Dzilth-Na-O-Dith-Hle

Community School + Site

99% CONSTRUCTION DOCUMENTS

OCTOBER 2ND, 2020

GENERAL

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G-011	ACCESSIBILITY GUIDELINES
G-021	BIA NET SQUARE FOOT ANALYSIS

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C104	GRADING PLAN
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C106	GRADING PLAN
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C109	GRADING PLAN
C110	GRADING PLAN
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C205	UTILITY PLAN
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A-404	ENLARGED PLANS AND ELEVATIONS
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KEF-1	EXHAUST FAN
MUA-1	MAKE-UP AIR
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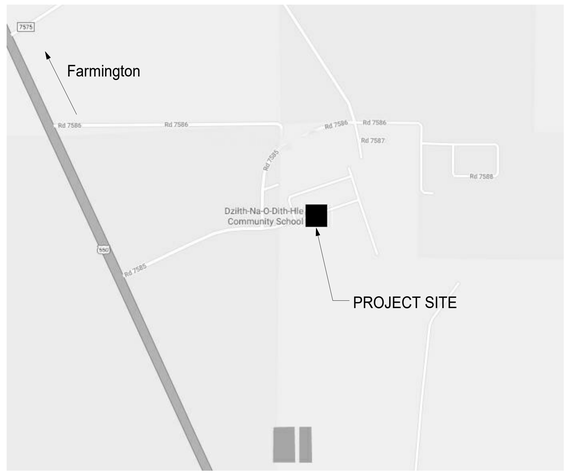

VICINITY MAP

35 Road 7585 #5003 - Bloomfield, NM 87413

BIM MODEL REQUIREMENTS

BIM MODEL SUBMITTAL & COORDINATION REQUIREMENTS

All requirements noted in individual specification sections for submittal of coordination drawings and shop drawings shall be strictly followed. Item or Equipment fabrications and installations that occur prior to the approval of these drawings shall be subject to removal and replacement at no additional cost to the owner.

In addition to the required drawings noted above, contractor shall prepare BIM (Building Information Model) for the systems noted below. The intent of this BIM model is to determine conflicts and coordinate solutions that will resolve final system installation. The contractor may use the overall BIM model to generate the coordination drawings and vice-versa.

1. HVAC
2. Plumbing
3. Electrical
4. Fire Protection
5. Special Systems
6. Structural

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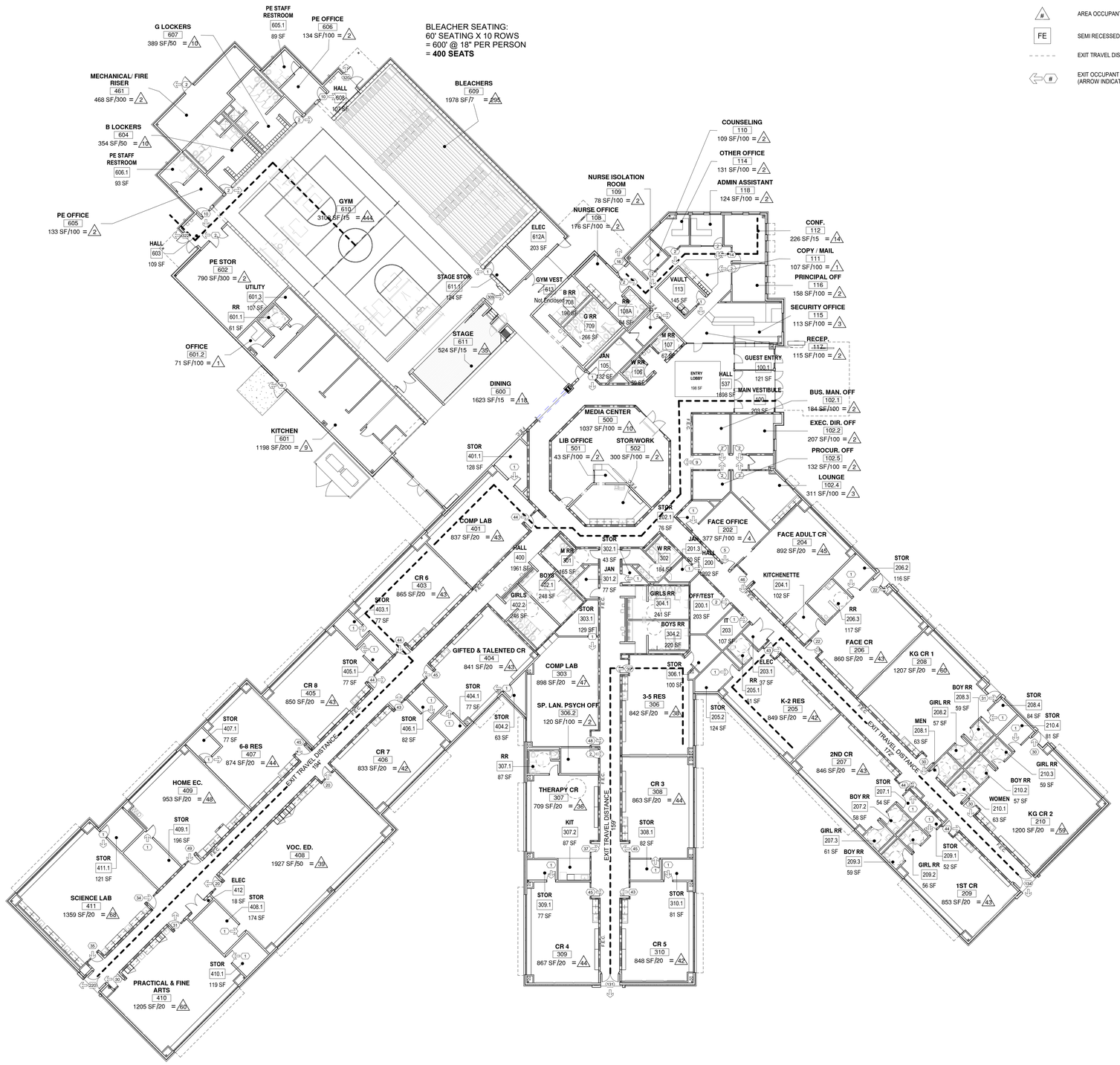
ARCHITECT SET NO.

Dzilth-Na-O-Dith-Hle - New School



CODE SYMBOL LEGEND

- SMOKE PARTITION
- # — AREA OCCUPANT LOAD
- FE — SEMI RECESSED FIRE EXTINGUISHER CABINET
- EXIT TRAVEL DISTANCE
- # — EXIT OCCUPANT LOAD (ARROW INDICATES DIRECTION TO EXIT)

CODE ANALYSIS

REFERENCES

BUILDING / LIFE SAFETY -	NFPA 5000 (CURRENT EDITION)
MECHANICAL -	UNIFORM MECHANICAL CODE (CURRENT EDITION)
PLUMBING -	UNIFORM PLUMBING CODE (CURRENT EDITION)
ACCESSIBILITY -	AMERICANS WITH DISABILITIES ACT (ADA), 2004 Ed ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES (ABAAG), 2004 Ed
FIRE PROTECTION -	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 13), 2018 Ed

ADDRESS
35 ROAD 7585
BLOOMFIELD, NM 87413

OCCUPANCY CLASSIFICATION NFPA 5000 CHAPTER 6, 2018 Ed
EDUCATIONAL SECTION 6.1.3

*GYMNASIUM AND CAFETERIA COMPLY WITH SECTION 6.2.1.5 (>25% OF TOTAL BUILDING AREA) AND ARE CONSIDERED ACCESSORY TO THE PRINCIPAL OCCUPACY. THESE SPACES WILL BE CONSIDERED ASSEMBLY OCCUPANCIES FOR EGRESS AND PLUBMING FIXTURE CALCULATIONS.

CONSTRUCTION TYPE NFPA 5000 7.2.3, 2018 Ed
NEW CONSTRUCTION: TYPE II (000), FULLY SPRINKLERED

ALLOWABLE BUILDING HEIGHT AND AREA NFPA 5000 TABLE 7.4.1, 2018 Ed

NUMBER OF STORIES:	ALLOWABLE -	3
	ACTUAL -	1
BUILDING HEIGHT:	ALLOWABLE -	75'-0"
	ACTUAL -	38'-6"
GROSS BUILDING AREA:	ALLOWABLE -	58,363 (SEE INCREASE CALCULATION BELOW)
	ACTUAL -	**58,306**

BUILDING AREA INCREASE (SECTION 7.6.2)

Aa = At [1 + (If/100) + (Is/100)]

At = 14,500 (TABLE 7.4.1)
If = 2.50 (SECTION 7.6.2.1)
Is = 300% (SECTION 7.6.2.2)

Aa = 14,500 [1 + (2.50/100) + (300/100)
= 14,500 [1 + 0.025 + 3]
= 14,500 [4.025]
= 58,363

FIRE RATED CONSTRUCTION NFPA 5000 TABLE 7.2.1.1, 2018 Ed
TYPE II (000) CONSTRUCTION:

EXTERIOR BEARING WALLS -	0	FLOOR/CEILING ASSEMBLES -	0
INTERIOR BEARING WALLS -	0	ROOF/CEILING ASSEMBLES -	0
COLUMNS -	0	INTERIOR NON BEARING WALLS -	0
BEAMS, GIRDERS, TRUSSES & ARCHES -	0	EXTERIOR NON BEARING WALLS -	0

**HEAVY TIMBER STRUCTURAL ELEMENTS ARE PERMITTED (7.2.3.2.10)

EXTERIOR WALLS NFPA 5000 TABLE 7.3.2.1, 2018 Ed
FIREE RESISTANCE RATING - 0

DEAD-END CORRIDORS NFPA 5000 17.2.5.2, 2018 Ed
50 FT. MAXIMUM EDUCATIONAL OCCUPANCY (SPRINKLERED)

COMMON PATH OF TRAVEL NFPA 5000 17.2.5.3, 2018 Ed
100 FT. MAXIMUM EDUCATIONAL OCCUPANCY (SPRINKLERED)

TRAVEL DISTANCE TO EXITS NFPA 5000 17.2.6.3, 2018 Ed
200 FT. MAXIMUM EDUCATIONAL OCCUPANCY (SPRINKLERED)

WINDOWS FOR RESCUE NFPA 5000 17.2.11.1, 2018 Ed
NOT REQUIRED (SPRINKLERED) (17.2.11.1.2 (1))

EXTINGUISHMENT REQUIREMENTS NFPA 5000 17.3.5.1, 2018 Ed
EQUIPPED THROUGHOUT WITH AN ELECTRICALLY SUPERVISED AUTOMATIC SPRINKLER SYSTEM

COORIDOR FIRE RESISTANCE RATING NFPA 5000 17.3.6, 2018 Ed
NOT REQUIRED (SPRINKLERED) (17.3.6 (2))
SMOKE PARTITIONS REQUIRED (17.3.6 (2)(a))

SMOKE PARTITIONS NFPA 5000 8.10, 2018 Ed
- DOORS SHALL BE SELF CLOSING (8.10.3.5) EXCEPT FOR IN CLASSROOMS (17.3.6 (2)(B))
- PENETRATION SHALL BE SMOKE SEALED (8.10.3.5)
- OPENING SHALL BE PROTECTED (8.10.5)

SUBDIVISION OF BUILDING SPACES NFPA 5000 17.3.7, 2018 Ed
NOT REQUIRED (SPRINKLERED) (17.3.7.1.2)

FIRE EXTINGUISHERS (FE) NFPA 5000 17.3.5.7, 2018 Ed

EDUCATIONAL OCCUPANCY	
MINIMUM RATED EXTINGUISHER:	4-A
MAXIMUM FLOOR AREA PER UNIT OF A:	11,250 SF
MAXIMUM ALLOWABLE DISTANCE BETWEEN:	75 LF
NUMBER REQUIRED:	6
NUMBER PROVIDED:	12
CLASS K FIRE EXTINGUISHER REQUIRED IN KITCHEN:	2

UNIFORM PLUMBING CODE, TABLE 422.1, 2018 Ed

MINIMUM PLUMBING FACILITIES - UPC TABLE

EDUCATIONAL - ELEMENTARY
TOTAL NUMBER OF OCCUPANTS - 551

	MALE OCC. LOAD 551 / 2 = 276				FEMALE OCC. LOAD 551 / 2 = 276			DRINKING FOUNTAIN
	FACTOR	REQUIRED	PROVIDED		FACTOR	REQUIRED	PROVIDED	1 PER 150
UR	1:75	4	4					
WC	1:30	10	10	WC	1:25	11	14	4 REQ.
LAV	1:35	8	10	LAV	1:35	8	10	6 PROV.

SCHOOL FOR STAFF USE
TOTAL GSF = 4,863 / 100 = 49
2 PER TEACHING SPACE = 48
TOTAL NUMBER OF OCCUPANTS - 97

	MALE OCC. LOAD 97 / 2 = 49				FEMALE OCC. LOAD 97 / 2 = 49			DRINKING FOUNTAIN
	FACTOR	REQUIRED	PROVIDED		FACTOR	REQUIRED	PROVIDED	N/A
UR	1:50	1	1					
WC	36-55	3	3	WC	36-55	3	4	
LAV	1:40	2	4	LAV	1:40	2	4	

ASSEMBLY FOR PUBLIC USE
FLOOR AREA GYM AND STAGE @ 1/15 = 243
BLEACHERS = 400
TOTAL NUMBER OF OCCUPANTS - 643

	MALE OCC. LOAD 643 / 2 = 322				FEMALE OCC. LOAD 643 / 2 = 322			DRINKING FOUNTAIN
	FACTOR	REQUIRED	PROVIDED		FACTOR	REQUIRED	PROVIDED	401-750
UR	201-400	3	3					
WC	201-400	3	4	WC	201-400	11	11	3 REQ.
LAV	201-400	2	7	LAV	201-400	2	11	7 PROV.

Total number of WCs for females are required to be equal to the total number of male WCs & URs

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NOT FOR CONSTRUCTION
ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

BUILDING CODE ANALYSIS

G-001

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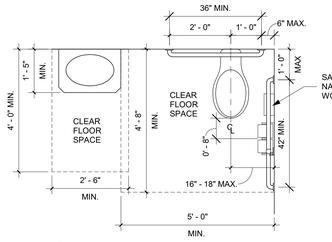
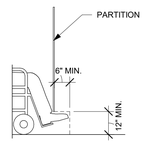
School Information



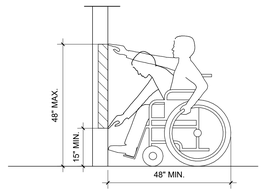
NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

E1 ACCESSIBLE RESTROOM
1/2" = 1'-0"



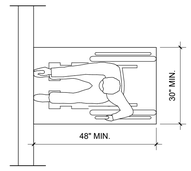
NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

E2 ACCESSIBLE STALL
1/2" = 1'-0"

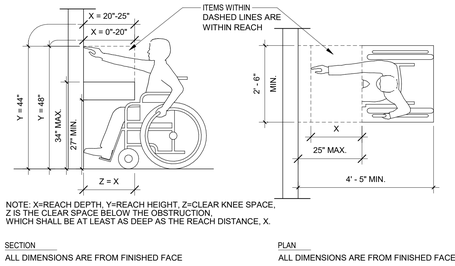


SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE

E3 UNOBSTRUCTED FORWARD REACH
1/2" = 1'-0"



PLAN
ALL DIMENSIONS ARE FROM FINISHED FACE



NOTE: X=REACH DEPTH, Y=REACH HEIGHT, Z=CLEAR KNEE SPACE,
Z IS THE CLEAR SPACE BELOW THE OBSTRUCTION,
WHICH SHALL BE AT LEAST AS DEEP AS THE REACH DISTANCE, X.

SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE

PLAN
ALL DIMENSIONS ARE FROM FINISHED FACE

E4 FORWARD REACH OVER AN OBSTRUCTION
1/2" = 1'-0"

GENERAL NOTES

ALL FIXTURES AND ACCESSORIES SHALL COMPLY WITH ADA, ANSI, UFAS, AND LOCAL AND STATE BUILDING CODE REQUIREMENTS. ALL HEIGHTS, DIMENSIONS AND CLEARANCES FOR PLUMBING FIXTURES, CASEWORK, COUNTERTOPS, ACCESSORIES, SIGNAGE, ACCESSIBLE ROUTES, ETC. SHALL BE STRICTLY HELD TO ADA, ANSI, AND LOCAL AND STATE REQUIREMENTS. IN THE EVENT OF CONFLICTING REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL APPLY.

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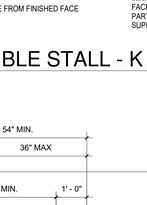
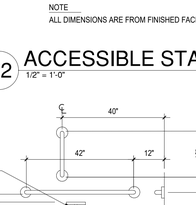


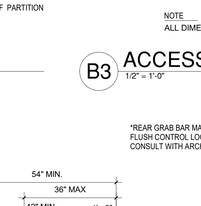
SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE

D1 ACCESSIBLE URINAL - ADULT
1/2" = 1'-0"

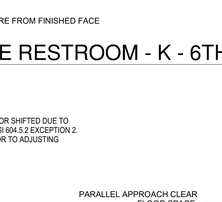


SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE

D2 ACCESSIBLE URINAL - CHILD
1/2" = 1'-0"

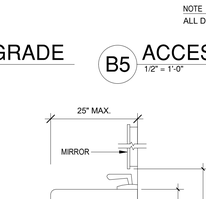


SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE

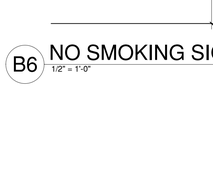


PLAN
ALL DIMENSIONS ARE FROM FINISHED FACE

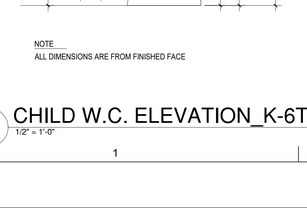
D3 OBSTRUCTED SIDE REACH - ADULT
1/2" = 1'-0"



D4 SIGNAGE MOUNTING HEIGHT/ LOCATION
1/2" = 1'-0"

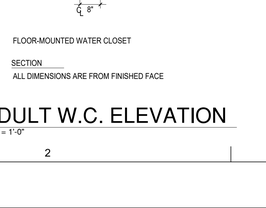


D6 FIRE EXTINGUISHER
1/2" = 1'-0"



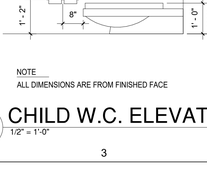
SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE.

C1 ACCESSIBLE SINK - K - 6TH GRADE
1/2" = 1'-0"



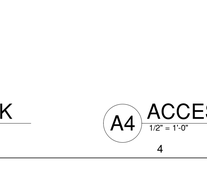
SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE.

C2 ACCESSIBLE SINK
1/2" = 1'-0"



SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE
SPOUT AND CONTROLS SHALL BE LOCATED AT FRONT.
CONTROLS SHALL BE PUSH BAR, ELECTRONIC TYPE & HAND OPERABLE

C3 DRINKING FOUNTAIN
1/2" = 1'-0"



SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE
SPOUT AND CONTROLS SHALL BE LOCATED AT FRONT.
CONTROLS SHALL BE PUSH BAR, ELECTRONIC TYPE & HAND OPERABLE

C4 DRINKING FOUNTAIN - PRE-K-6TH
1/2" = 1'-0"

C5 SIGNAGE MOUNTING HEIGHT/ LOCATION - PRE - K - 6TH
1/2" = 1'-0"

THE FRONT PARTITION & AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 12 " MIN. ABOVE THE FINISH FLOOR AND 6" DEEP MIN. BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

B1 ACCESSIBLE STALL - K - 6TH GRADE
1/2" = 1'-0"

THE FRONT PARTITION & AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 12 " MIN. ABOVE THE FINISH FLOOR AND 6" DEEP MIN. BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

B2 ACCESSIBLE STALL - ADULT
1/2" = 1'-0"

NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

B3 ACCESSIBLE RESTROOM - K - 6TH GRADE
1/2" = 1'-0"

NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

B5 ACCESSIBLE RESTROOM - PRE-K
1/2" = 1'-0"

B6 NO SMOKING SIGN
1/2" = 1'-0"

NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

A1 CHILD W.C. ELEVATION_K-6TH
1/2" = 1'-0"

FLOOR-MOUNTED WATER CLOSET

SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE

A2 ADULT W.C. ELEVATION
1/2" = 1'-0"

*REAR GRAB BAR MAY BE SPLIT OR SHIFTED DUE TO FLUSH CONTROL LOCATION. ANSI 604.5.2 EXCEPTION 2. CONSULT WITH ARCHITECT PRIOR TO ADJUSTING

NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE

A3 CHILD W.C. ELEVATION_PRE-K
1/2" = 1'-0"

SECTION
ALL DIMENSIONS ARE FROM FINISHED FACE.

A4 ACCESSIBLE SINK - PRE-K GRADE
1/2" = 1'-0"

A5 DRINKING FOUNTAIN FLOOR CLEARANCE
1/2" = 1'-0"

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

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CHECKED BY:	Checker

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ACCESSIBILITY GUIDELINES

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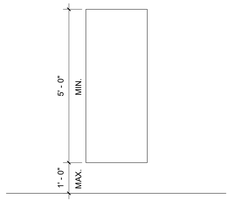
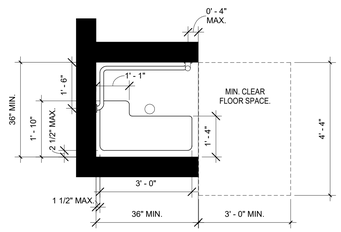


ELEVATION

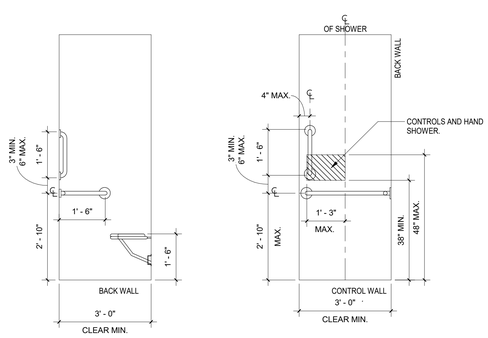
ALL DIMENSIONS ARE FROM FINISHED FACE

D1 FULL MIRROR
1/2" = 1'-0"



STANDARD TRANSFER TYPE SHOWER COMPARTMENT

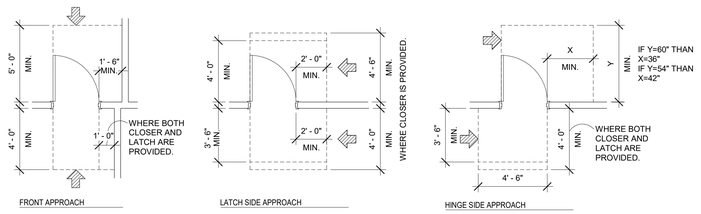
C1 ACCESSIBLE TRANSFER SHOWER PLAN
1/2" = 1'-0"



STANDARD TRANSFER TYPE SHOWER COMPARTMENT

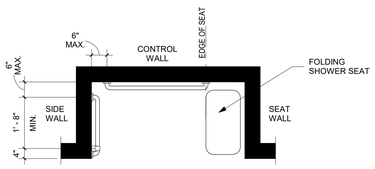
B1 ACCESSIBLE TRANSFER SHOWER ELEVATION
1/2" = 1'-0"

A1 OBSTRUCTED SIDE REACH - CHILD
1/2" = 1'-0"



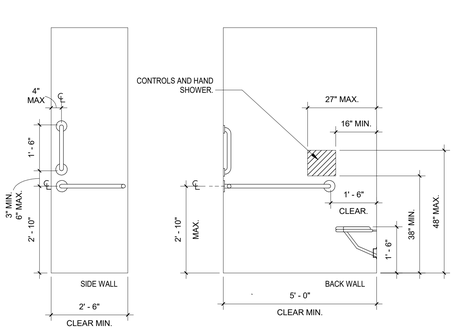
NOTE
ALL DIMENSIONS ARE FROM FINISHED FACE
ARROW INDICATES DIRECTION OF APPROACH

D3 DOOR MINIMUM CLEARANCES
1/4" = 1'-0"



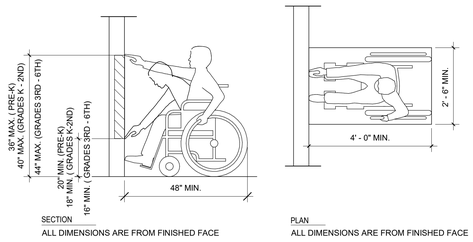
STANDARD ROLL-IN TYPE SHOWER COMPARTMENT

C3 ACCESSIBLE ROLL IN SHOWER PLAN
1/2" = 1'-0"



STANDARD ROLL-IN TYPE SHOWER COMPARTMENT

B3 ACCESSIBLE ROLL IN SHOWER ELEVATIONS
1/2" = 1'-0"



A3 UNOBSTRUCTED FORWARD REACH - ALL CHILDREN
1/2" = 1'-0"

GENERAL NOTES

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ARCHITECT

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ACCESSIBILITY GUIDELINES

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School Information

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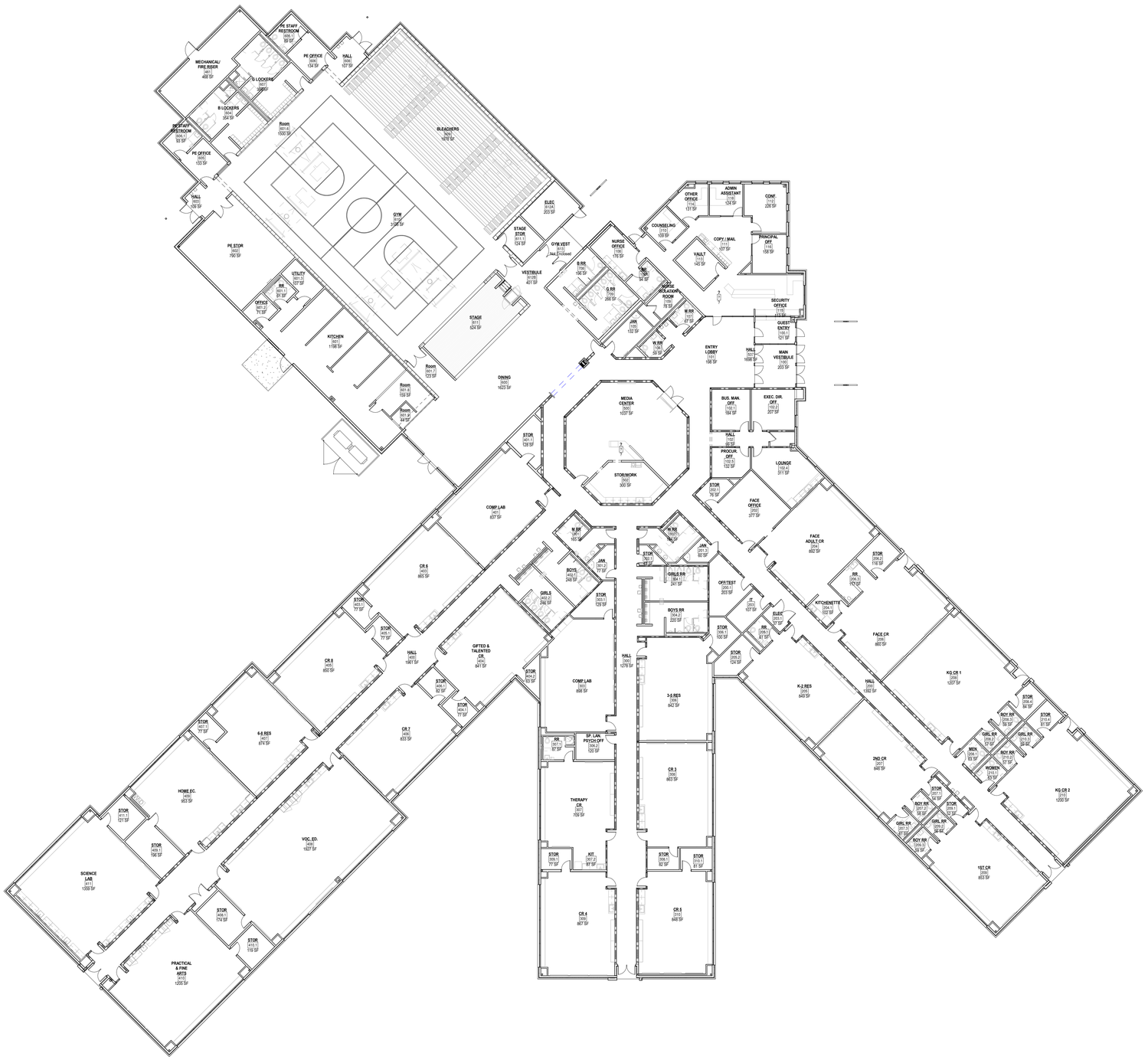
Dzilth-Na-O-Dith-Hle - New School



A1 SQUARE FOOTAGE ANALYSIS
1/16" = 1'-0"

Dzilth Na O Dith Hle School Building - Net Square Footage Analysis

Description	Room #	Net SF	Storage NSF	Restroom NSF	Kitchen NSF	70% NSF	Approved NSF	Delta
Business Manager	102.1	171				171	150	21
Executive Director	102.2	203				203	200	3
Faculity Lounge	102.3	300				300	400	(100)
Procurement	102.4	125				125	120	5
Nurses Office	106.0	147				147	150	(3)
Nurse RR	109.0	115				115	50	65
Counciling Office	110.0	115				115	120	(5)
Conference Room	112.0	211				211	200	11
Vault	113.0	151				151	100	51
Other Office	114.0	119				119	120	(1)
Receptionist/Sec.	115.0	239				239	250	(11)
Principal Office	116.0	148				148	150	(2)
S/O	117.0	133				133	100	33
Admin. Assistant	118.0	119				119	120	(1)
Face Office	202	368	72			440	360	80
Face Adult	204	892				892	900	(8)
K-2 Resource Room	205	839	121	58		1,018	960	58
Face Children	206	846	112	115	102	1,175	1,130	45
2nd	207	843	50	109		1,002	960	42
Kindergarden	208	1,163	77	110		1,350	1,480	(130)
1st	209	844	50	110		1,004	1,160	(156)
Off/Testing	209	194				194	200	(6)
Kindergarden	210	1,196	77	110		1,383	1,480	(97)
Computer Lab	303	921	163			1,084	1,008	76
3-5 Resource Room	304	838	110			948	960	(12)
3rd	306	863	80			943	960	(17)
Speech, Lang, Psych	306.2	127				127	150	(23)
Therepy	307	701	73	76	81	931	1,060	(129)
5th	308	827	74			901	955	(54)
4th	309	865	73			938	955	(17)
Computer Lab	401	856	126			982	1,008	(26)
6th	403	847	80			927	955	(28)
Gifted & Talented	404	834	133			967	960	7
8th	405	847	81			928	955	(27)
7th	406	831	80			911	955	(44)
6 - 8 Resource Room	407	862	74			936	960	(24)
Vocational Ed	408	1,928	172			2,100	2,120	(20)
Home Ec.	409	956	194			1,150	1,160	(10)
Practicle & Fine Arts	410.0	1,200	116			1,316	1,370	(54)
Science Lab	411	1,351	119			1,470	1,560	(90)
Reading/Pubs/Circ.	500.0	920				920	975	(55)
Librarian Office	501.0	103				103	120	(17)
Storage Workroom	502.0	193				193	200	(7)
Audio Visual	503.0	105				105	175	(70)
Entry	537.0	198				198	200	(2)
Dinning Room	600.0	1,765				1,765	1,653	112
Kitchen	601.0	1,668				1,668	1,518	150
Bleachers	609.0	2,053				2,053	2,132	(79)
Gymnasium	610.0	4,599				4,599	4,680	(81)
Stage	611.0	513				513	500	13
Stage Storage	611.1	125				125	100	25
PE Storage	602 - 612	900				900	900	-
Lockers	604 - 607	980				980	1,000	(20)
PE Offices	605 - 606	266				266	240	26
PE Office RR	605.1 - 606.1	200				200	200	-
Showers		-				-	600	(600)
TOTALS						42,901	44,104	(1,203)
						70% NSF	Approved NSF	Delta
School NSF Per FSAA						42,901	44,104	
Halls Allowance 13%							5,734	
Mech & Elect 2%							882	
Restrooms 2% + 800SF							882	
Walls 8%							3,528	
Total Gross up						15,405		4,379
							11,026	

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CHECKED BY:	Checker

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BIA NET SQUARE FOOT ANALYSIS

G-021

School Information

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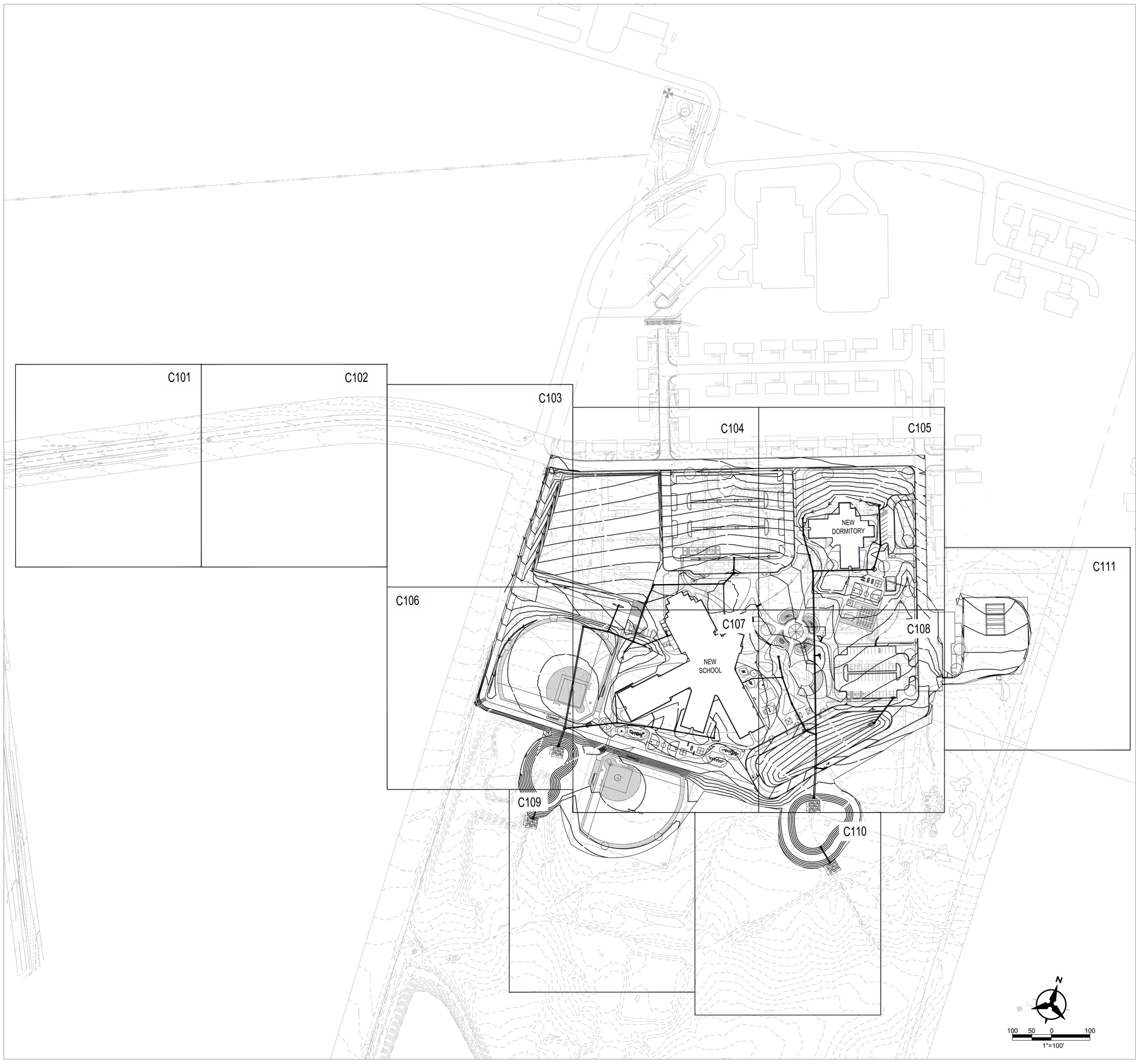
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



GENERAL PLAN NOTES

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT GEOTECHNICAL REPORT, PROJECT SPECIFICATIONS (1ST PRIORITY), AND AMERICAN PUBLIC WORKS (NMAPWA) STANDARD DETAILS AND SPECIFICATIONS (2ND PRIORITY).

2. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, NAVAJO NATION, STATE, AND FEDERAL LAWS/RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.

5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION INSPECTOR.

7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION.

10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE BIA TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS. WORK WITHIN THE NMDOT RIGHT-OF-WAY WILL REQUIRE APPLICABLE PERMITS THROUGH THE NMDOT DISTRICT 5 OFFICE.

12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING.

14. THE CONTRACTOR SHALL COMPLY WITH ALL NNEPA RULES AND REGULATIONS WHICH REGULATE THE DISCHARGE OF POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AS DEFINED IN THE NPDES STORM WATER REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR SWPPP IMPLEMENTATION, INSPECTION, AND MAINTENANCE. THE CONTRACTOR WILL POST THE SWPPP ON SITE AS REQUIRED, AS WELL AS SUBMIT COPIES OF SWPPP INSPECTION REPORTS TO OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ENSURE NOI'S. AND NOT'S. ARE COMPLETED IN A TIMELY FASHION.

15. CONTRACTOR TO PROVIDE LANDSCAPING OR OTHER MEASURES AS REQUIRED FOR FINAL STABILIZATION PER REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND NAVAJO NATION ENVIRONMENTAL PROTECTION AGENCY (NNEPA). PROVIDE DRAWINGS INDICATING PROPOSED APPROACH AND OBTAIN ARCHITECTS / ENGINEERS APPROVAL PRIOR TO INSTALLATION.

16. ALL EXISTING APPURTENANCES TO REMAIN INCLUDING, BUT NOT LIMITED TO, VALVES MANHOLES, TRANSFORMERS, & UTILITY POLES SHALL BE ADJUSTED TO FINISHED GRADE.

17. PIPE SLOPES PROVIDED ARE CALCULATED FROM CENTER OF MH/STRUCTURE TO CENTER OF MH/STRUCTURE. INVERTS SHOWN ARE ALSO AT CENTER OF MH/STRUCTURE.

GRADING PLAN NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST, AND INCLUDED IN THE GMP.

3. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

4. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

5. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.

6. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE INSPECTOR. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

7. PAVING AND ROADWAY GRADES SHALL BE +/-0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/-0.05' FROM BUILDING PLAN ELEVATION.

8. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.

9. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

10. THE CONTRACTOR SHALL PROVIDE AS-BUILTS SURVEY DATA TO ENSURE COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. THE SURVEY SHALL BE PERFORMED BY A PROFESSIONAL SURVEYOR LICENSED IN THE THE STATE OF NEW MEXICO, THE AS-BUILT DRAWING SHALL BE CERTIFIED BY THE SURVEYOR OF RECORD. THE AS-BUILT SHOULD INCLUDE, AT A MINIMUM, ALL TOP OF GRATES, INVERTS, DOORS, AND 75% OF SPOT ELEVATIONS. COORDINATE WITH ENGINEER PRIOR TO SURVEY.

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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

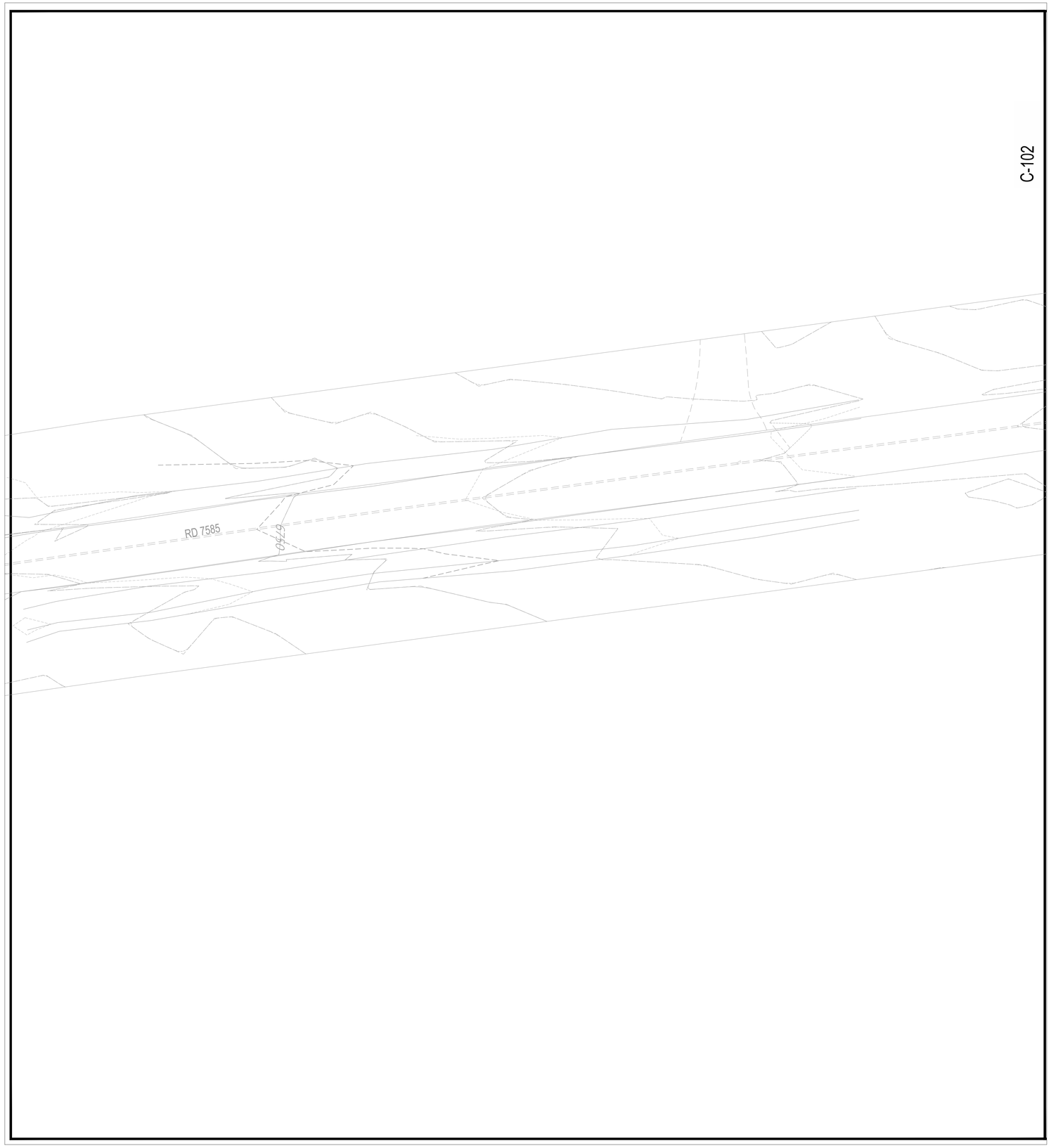
OVERALL GRADING PLAN

C100

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



N

20 10 0 20
1"=20'

GENERAL NOTES

1. ALL STORM DRAIN PIPE TO BE HDPE N-12, CLASS III RCP, OR APPROVED EQUAL.

GRADING KEYED NOTES

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2. CONSTRUCT 6' DIA TYPE "E" STORM DRAIN MANHOLE PER NMAPWA STD DWG 2102.
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5. CONSTRUCT TYPE "C" DOUBLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2205.
6. CONSTRUCT TYPE "D" SINGLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2206.
7. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
8. INSTALL STORM DRAIN PIPE TO WITHIN 5' OF BUILDING FOR ROOF DRAIN CONNECTION. SEE PLUMBING PLANS FOR CONTINUATION.
9. CONSTRUCT 4' DIA TYPE "C" STORM DRAIN MANHOLE PER NMAPWA STD DWG 2101.
10. CONSTRUCT TYPE "D" DOUBLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2206.
11. CONSTRUCT RETAINING WALL. SEE STRUCTURAL PLANS.
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13. CONSTRUCT BIO - SWALE PER DETAIL 1/C112.
14. INSTALL 12" WIDE CURB OPENING PER DETAIL 2/C112.
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21. EXISTING STORM DRAIN TO REMAIN. PROTECT IN PLACE.
22. MATCH EXISTING GRADE; NOTIFY ENGINEER OF ANY DISCREPANCIES.
23. INSTALL 8' WIDE VALLEY GUTTER PER NMAPWA STD DWG 2422.
24. INSTALL PREMANUFACTURED STORM DRAIN FITTING, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

LEGEND

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Dziłth-Na-O-Dith-Hle Community School

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35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

C101

School Information

08/27/2020

Thu, 1 Oct 2020 - 8:51pm, Plotted by: JMEAL
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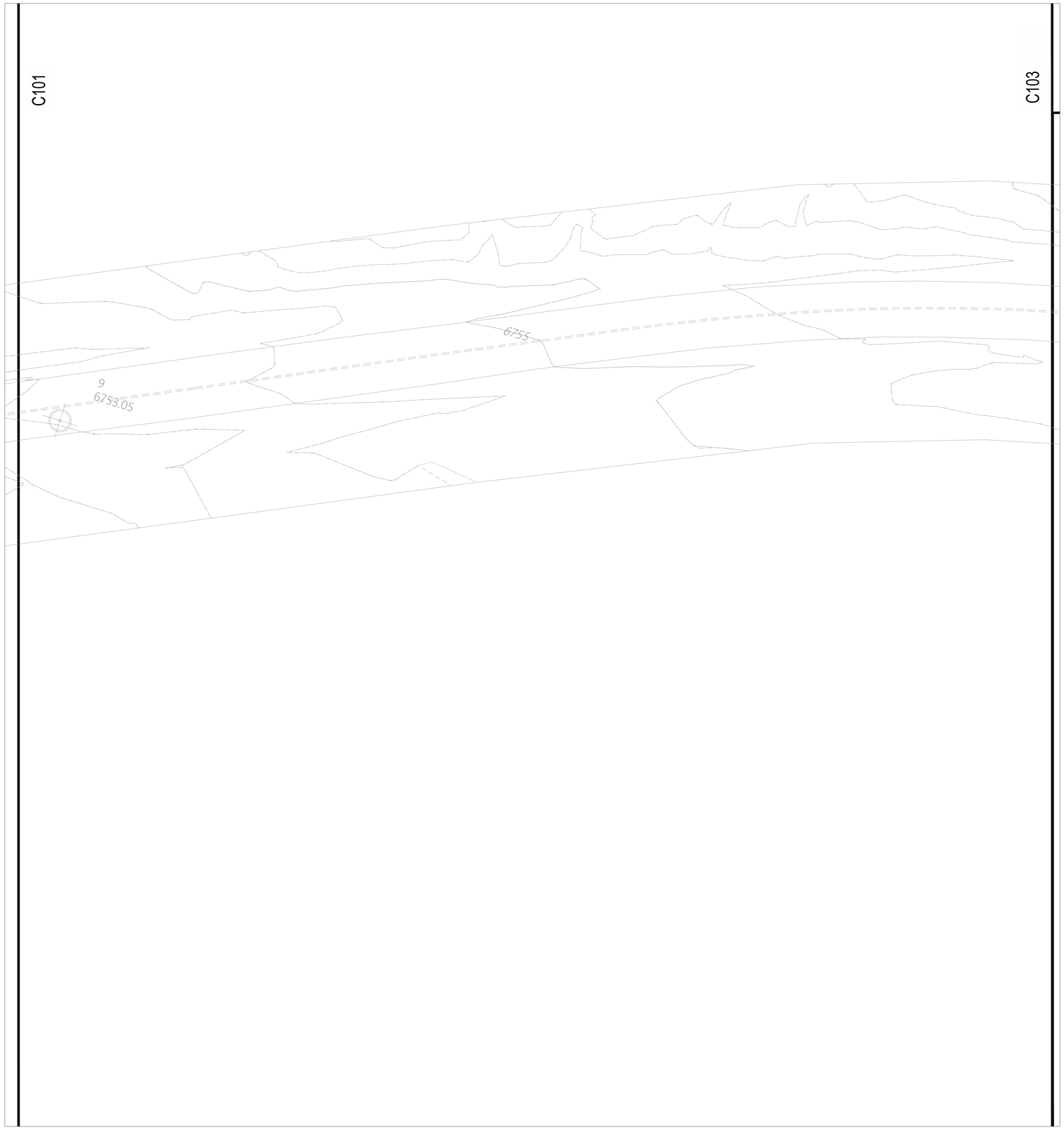
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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GRADING KEYED NOTES

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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

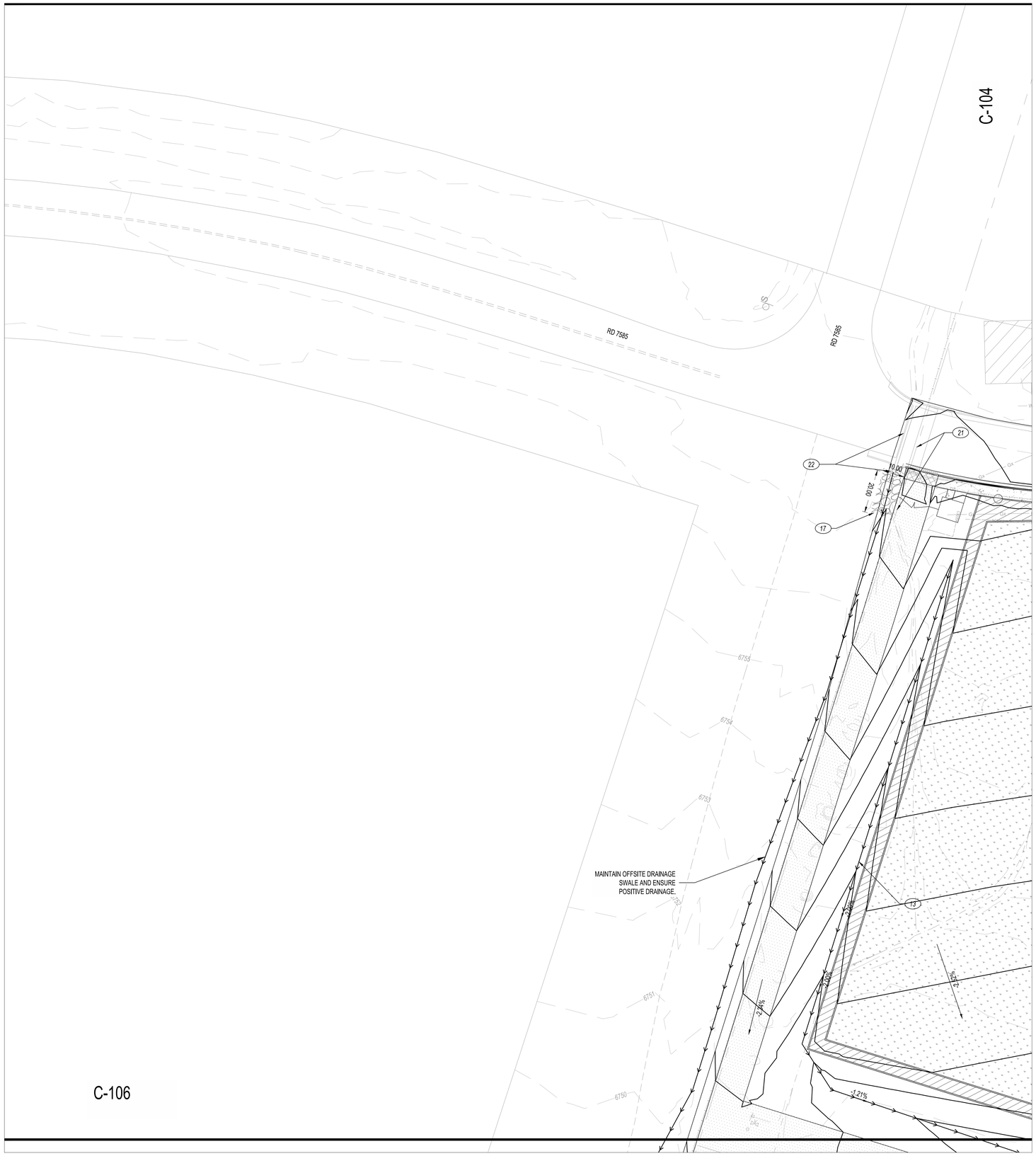
C102

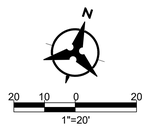
08/27/2020

School Information

TL-DA0001.100 - Plotted: 08/26
P:\2021\20210041\Plan\Arch\Arch Construction Plans\20210041_GP02.dwg

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL





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CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

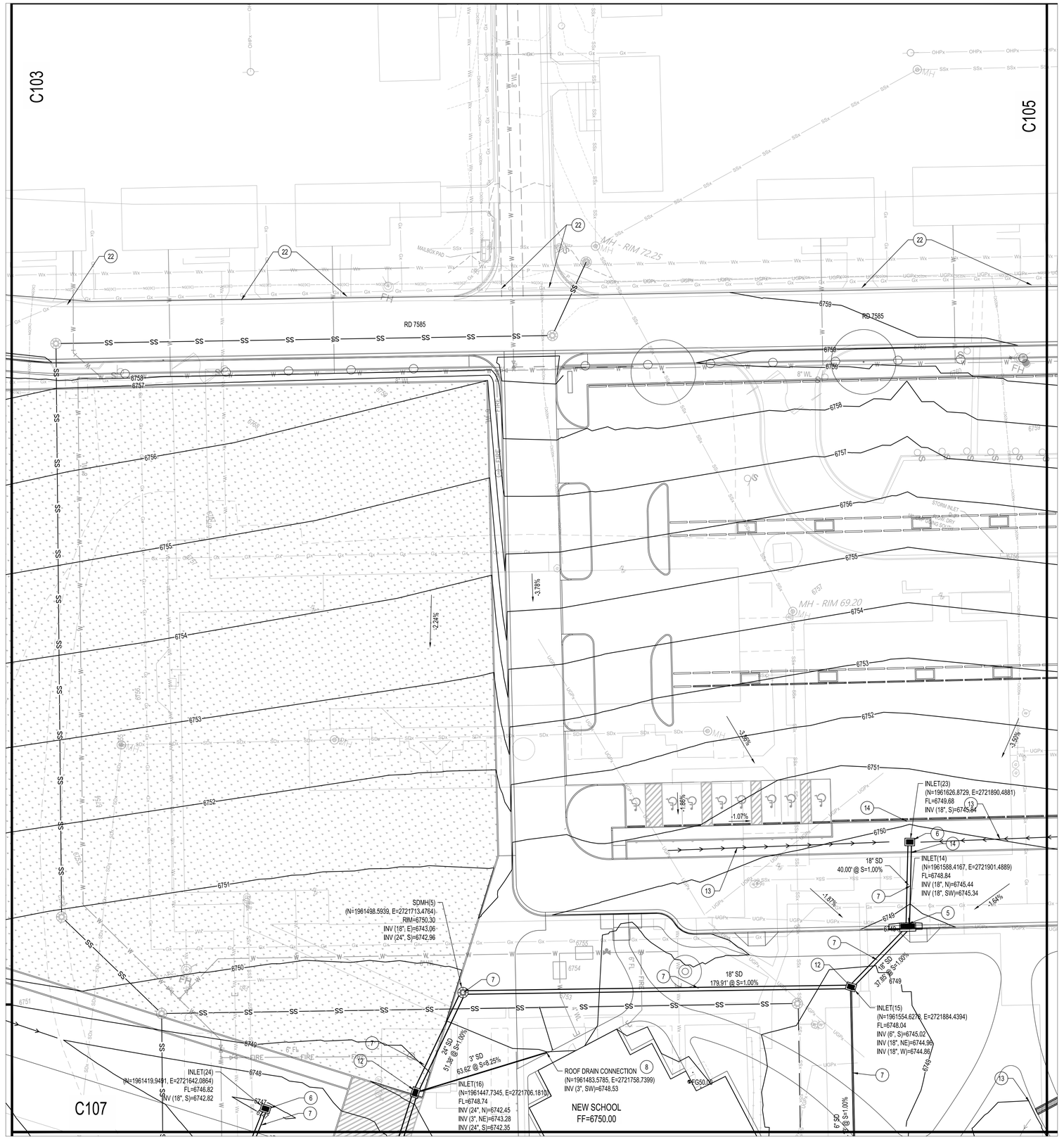
C103

08/27/2020

Thu, 1-Oct-2020, 4:45pm, Plotted by: OBROWN
P:\2021\041\CD\Plan\Grades&Drains_Construction Plans\20210041_GP01.dwg

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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- DIRECTION OF FLOW
- WATER BLOCK/GRADE BREAK
- PROPOSED STORM DRAIN MANHOLE
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M/E/P
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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	8/27/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

C104

School Information

08/27/2020

Thu, 8/26/2020 - 3:57pm, Rafael Ruiz, AICP
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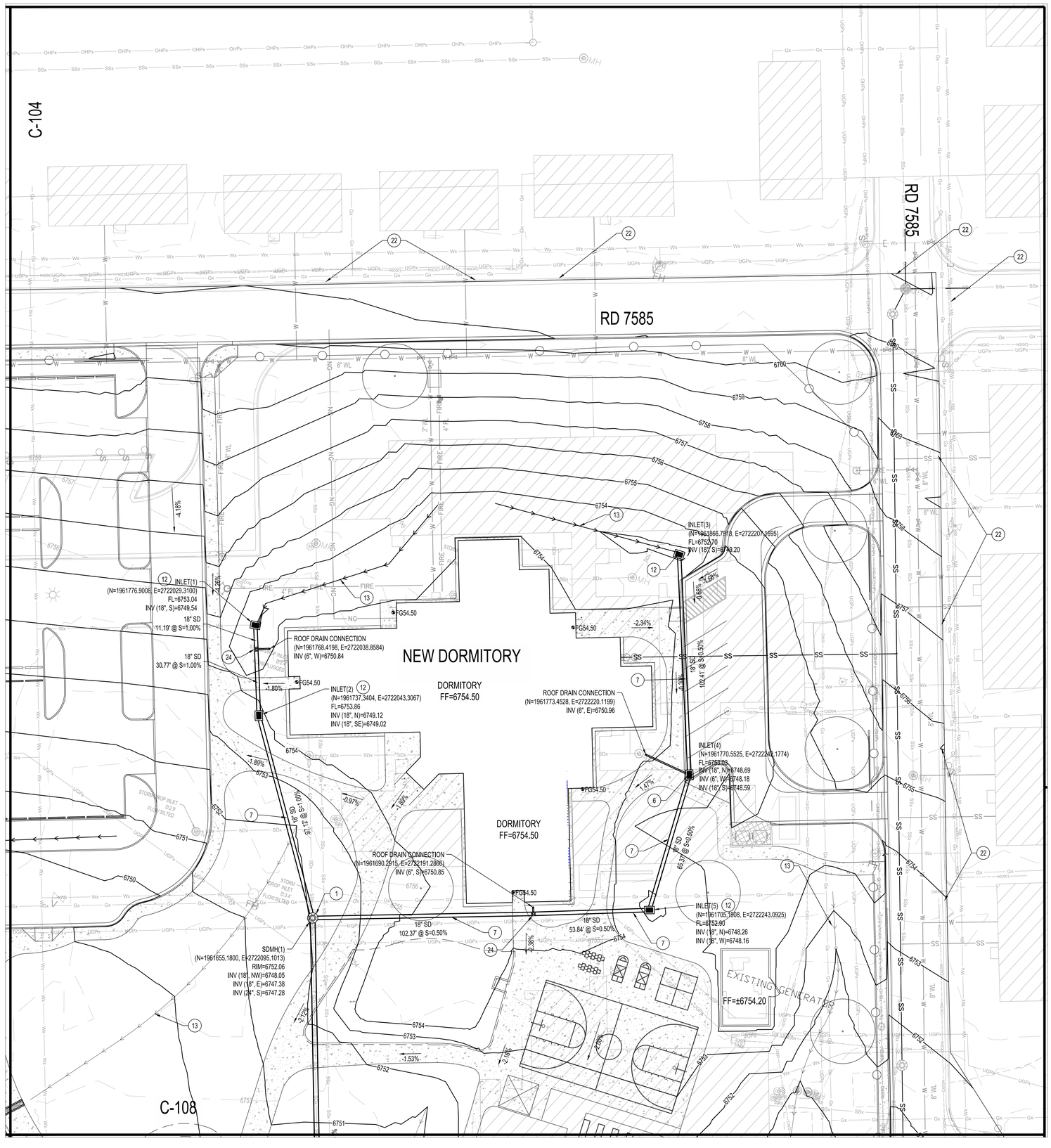
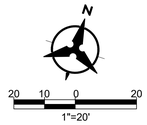
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL





GENERAL NOTES

1. ALL STORM DRAIN PIPE TO BE HDPE N-12, CLASS III RCP, OR APPROVED EQUAL.

GRADING KEYED NOTES

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OCTOBER 2020

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CHECKED BY:	OB

SHEET TITLE

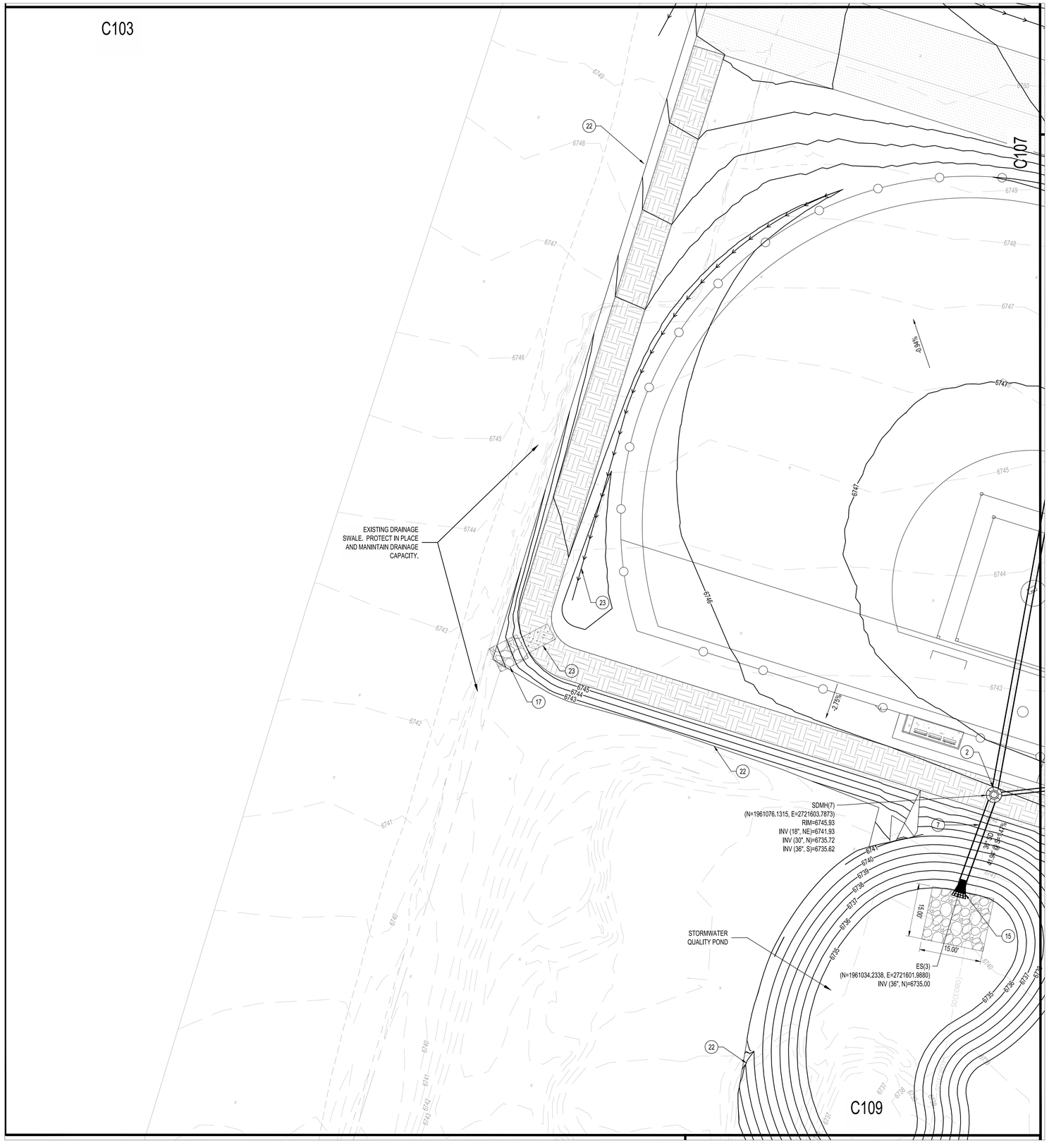
GRADING PLAN

C105

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

C106

08/27/2020

School Information

Thu, 1/Oct/2020 - 9:49pm, Plotted by: DBROWN
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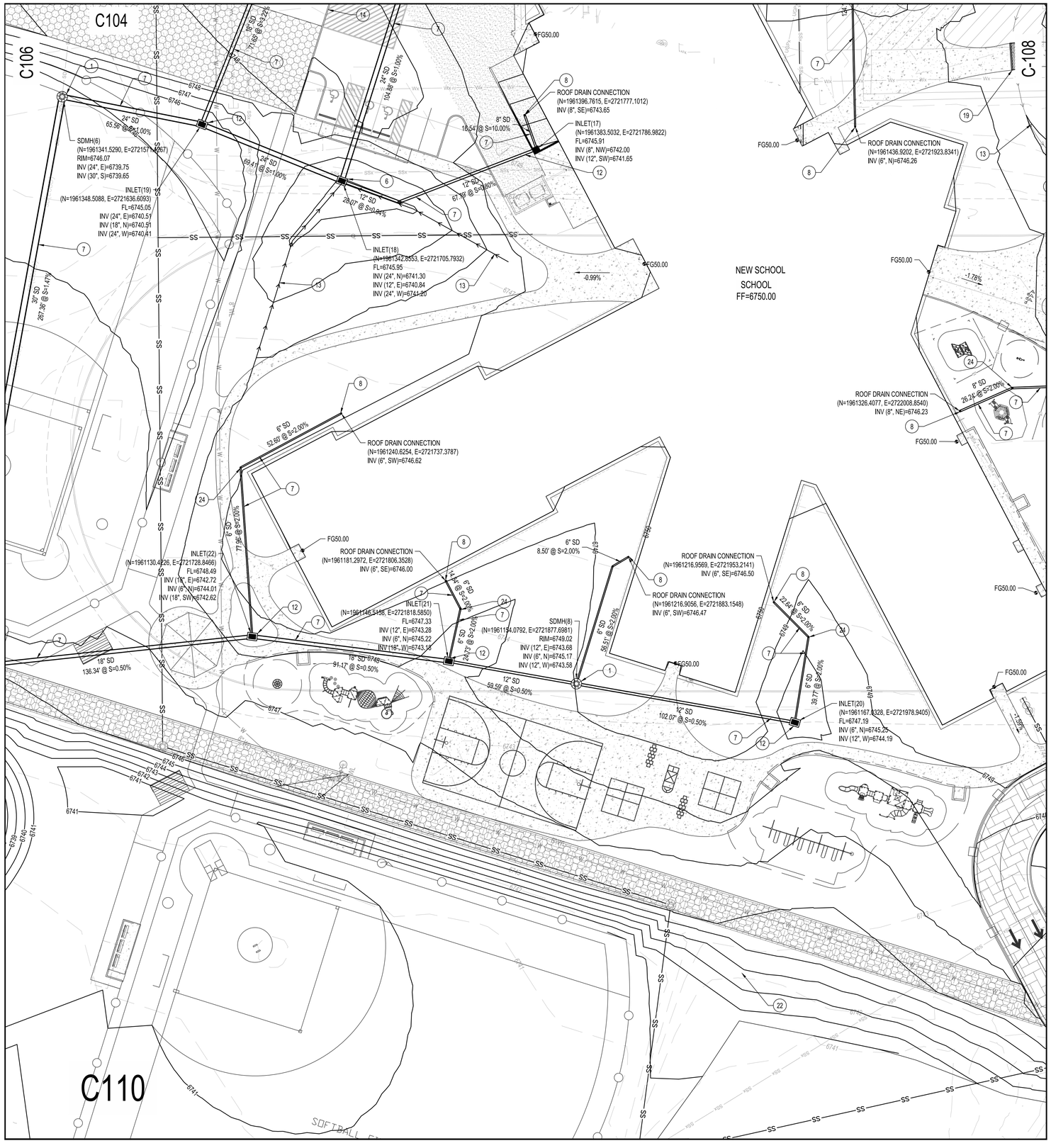
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



20 10 0 20
1"=20'

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35 Road 7585
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OCTOBER 2020

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DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

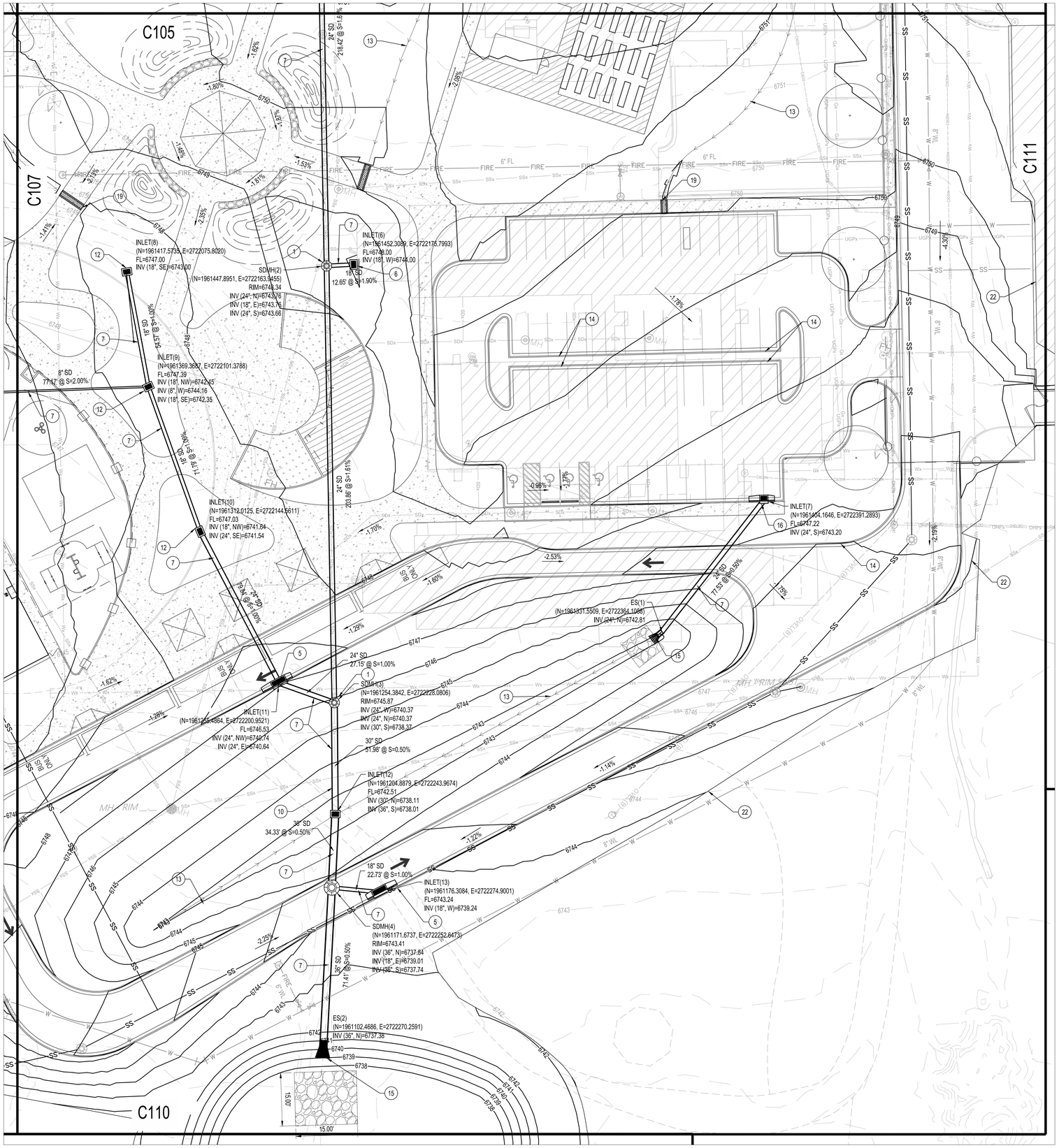
GRADING PLAN

C107

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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SHEET TITLE

GRADING PLAN

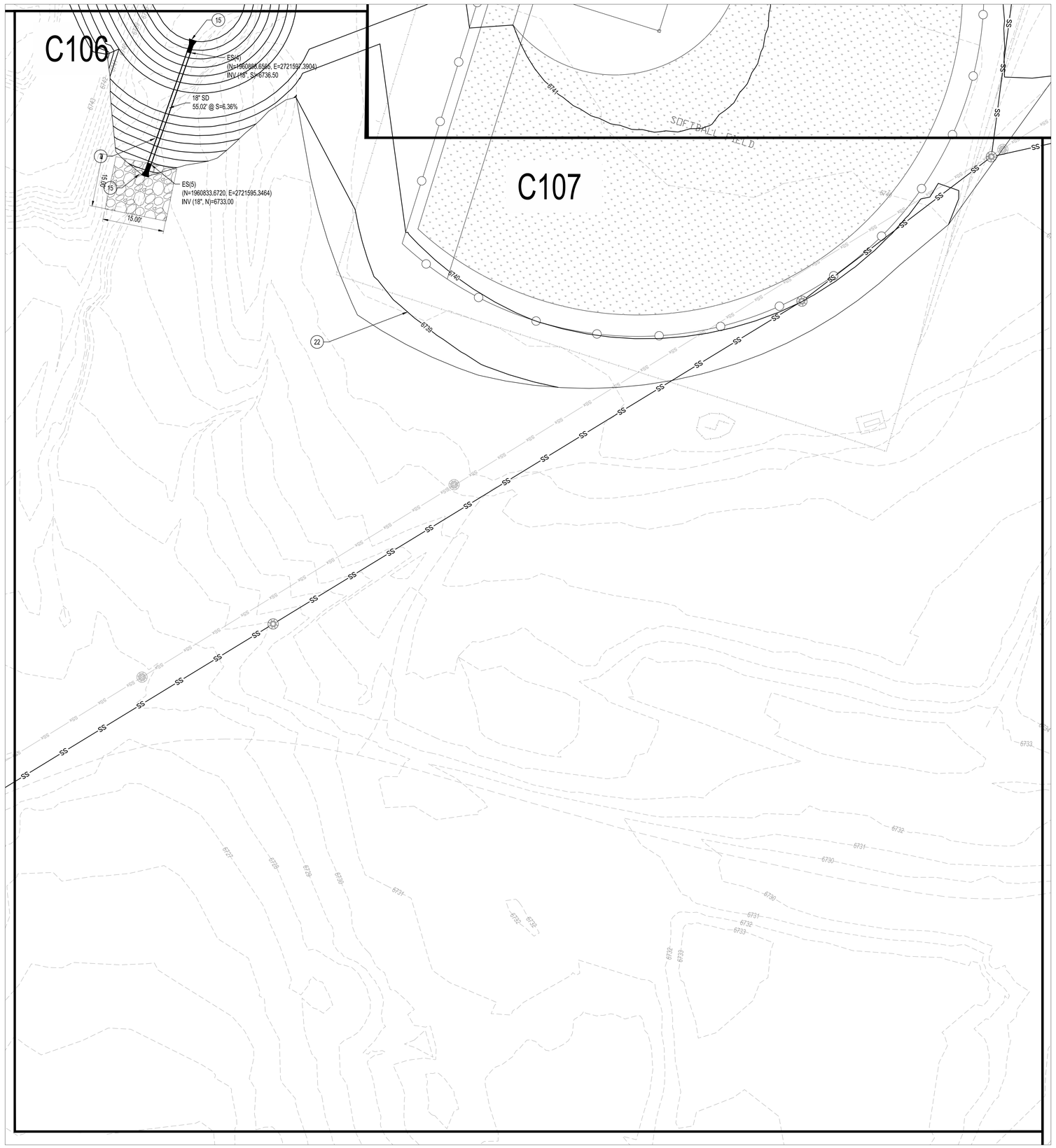
C108

08/27/2020

Th, 1/Oct/2020, 9:00pm, Robert A. JAEN, P:\2021\041\CD\Plans\General\Notes Conversion Rev\2021041_GP09.dwg

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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- 95.40 — PROPOSED SPOT ELEVATION
  - TC=TOP OF CURB
  - FL=FLOW LINE
  - TOC=TOP OF CONCRETE
  - TS=TOP OF SIDEWALK
  - TG=TOP OF GRATE
  - FG=FINISHED GRADE
  - FGH=FINISHED GRADE HIGH
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  - INV=INVERT
- 4960 — EXISTING INDEX CONTOUR
- 4959 — EXISTING INTERMEDIATE CONTOUR
- DIRECTION OF FLOW
- WATER BLOCK/GRADE BREAK
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLETS
- PROPOSED STORM DRAIN CAP

N

20 10 0 20
1"=20'

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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

C109

School Information

08/27/2020

Thu, 1 Oct 2020, 8:11pm, Plotted by JMEAL
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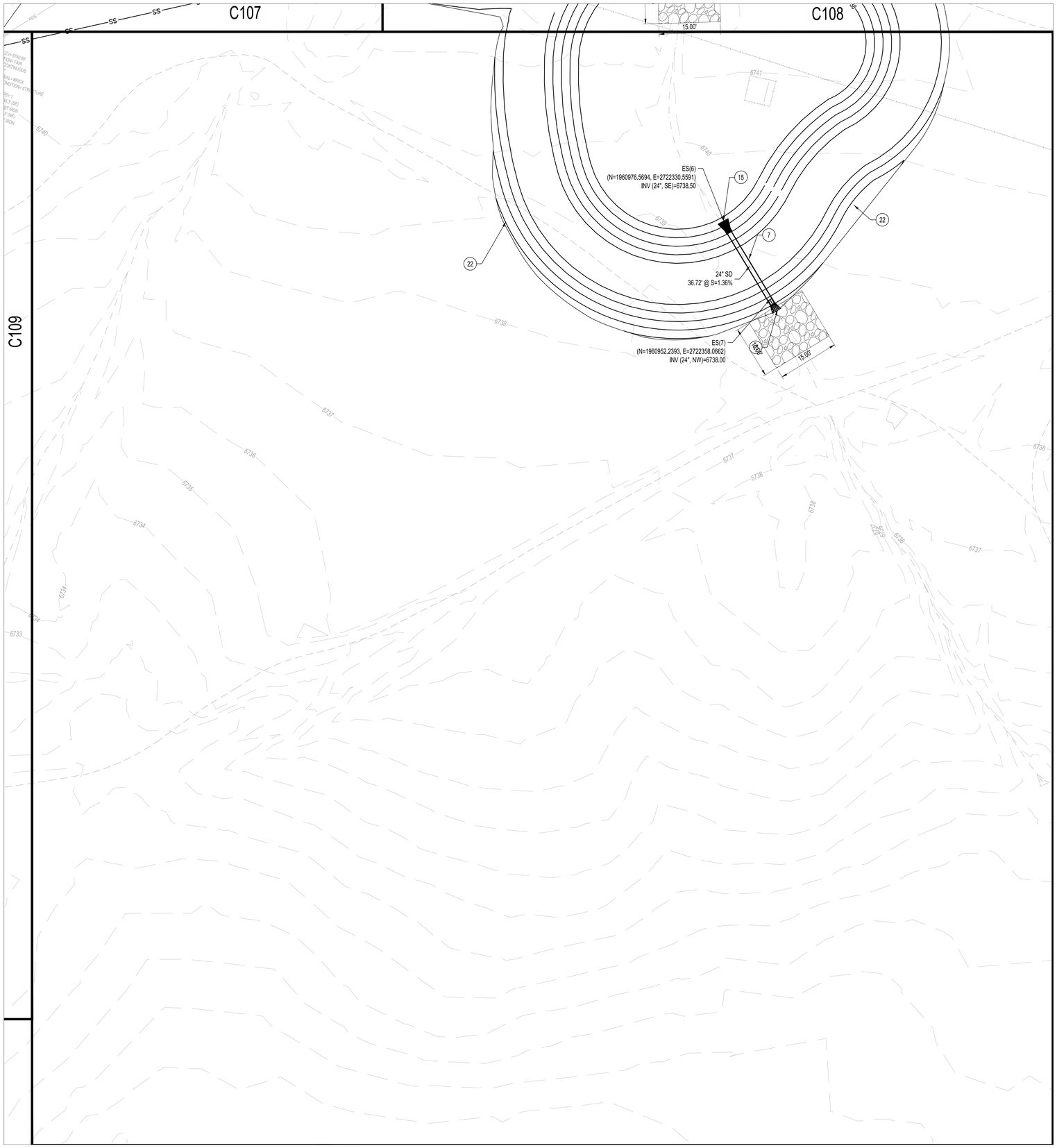
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



GENERAL NOTES

1. ALL STORM DRAIN PIPE TO BE HDPE N-12, CLASS III RCP, OR APPROVED EQUAL.

GRADING KEYED NOTES

1. CONSTRUCT 4' DIA TYPE "E" STORM DRAIN MANHOLE PER NMAPWA STD DWG 2102.
2. CONSTRUCT 6' DIA TYPE "E" STORM DRAIN MANHOLE PER NMAPWA STD DWG 2102.
3. CONSTRUCT TYPE "A" SINGLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2201.
4. CONSTRUCT TYPE "A" DOUBLE GRATE, STORM DRAIN INLET PER NMAPWA STD DWG 2201.
5. CONSTRUCT TYPE "C" DOUBLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2205.
6. CONSTRUCT TYPE "D" SINGLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2206.
7. INSTALL STORM DRAIN PIPE. SEE PLAN FOR SIZE & SLOPE.
8. INSTALL STORM DRAIN PIPE TO WITHIN 5' OF BUILDING FOR ROOF DRAIN CONNECTION. SEE PLUMBING PLANS FOR CONTINUATION.
9. CONSTRUCT 4' DIA TYPE "C" STORM DRAIN MANHOLE PER NMAPWA STD DWG 2101.
10. CONSTRUCT TYPE "D" DOUBLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2206.
11. CONSTRUCT RETAINING WALL. SEE STRUCTURAL PLANS.
12. INSTALL 24" * 24" INLET DRAIN (NYLOPLAST OR APPROVED EQUAL) WITH GRATE. GRATES WITHIN ROADWAY SURFACES SHALL HAVE SH-20 TRAFFIC RATED GRATES.
13. CONSTRUCT BIO - SWALE PER DETAIL 1/C112.
14. INSTALL 12" WIDE CURB OPENING PER DETAIL 2/C112.
15. INSTALL FLARED END SECTION (SIZE PER PLAN) AND 18" THICK TYPE L RIPRAP PAD.
16. CONSTRUCT TYPE "C" SINGLE GRATE STORM DRAIN INLET PER NMAPWA STD DWG 2205.
17. INSTALL 12" THICK TYPE VL RIP-RAP PER 3/C112.
18. CONSTRUCT 12" WIDE SIDEWALK CULVERT PER NMAPWA STD DWG 2236.
19. CONSTRUCT 24" WIDE SIDEWALK CULVERT PER NMAPWA STD DWG 2236.
20. CONNECT TO EXISTING STORM DRAIN SYSTEM.
21. EXISTING STORM DRAIN TO REMAIN. PROTECT IN PLACE.
22. MATCH EXISTING GRADE; NOTIFY ENGINEER OF ANY DISCREPANCIES.
23. INSTALL 8' WIDE VALLEY GUTTER PER NMAPWA STD DWG 2422.
24. INSTALL PREMANUFACTURED STORM DRAIN FITTING, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

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OCTOBER 2020

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CHECKED BY:	OB

SHEET TITLE

GRADING PLAN

C110

School Information

08/27/2020

Thu, 1 Oct 2020, 8:51pm, Plotted by: JMSA
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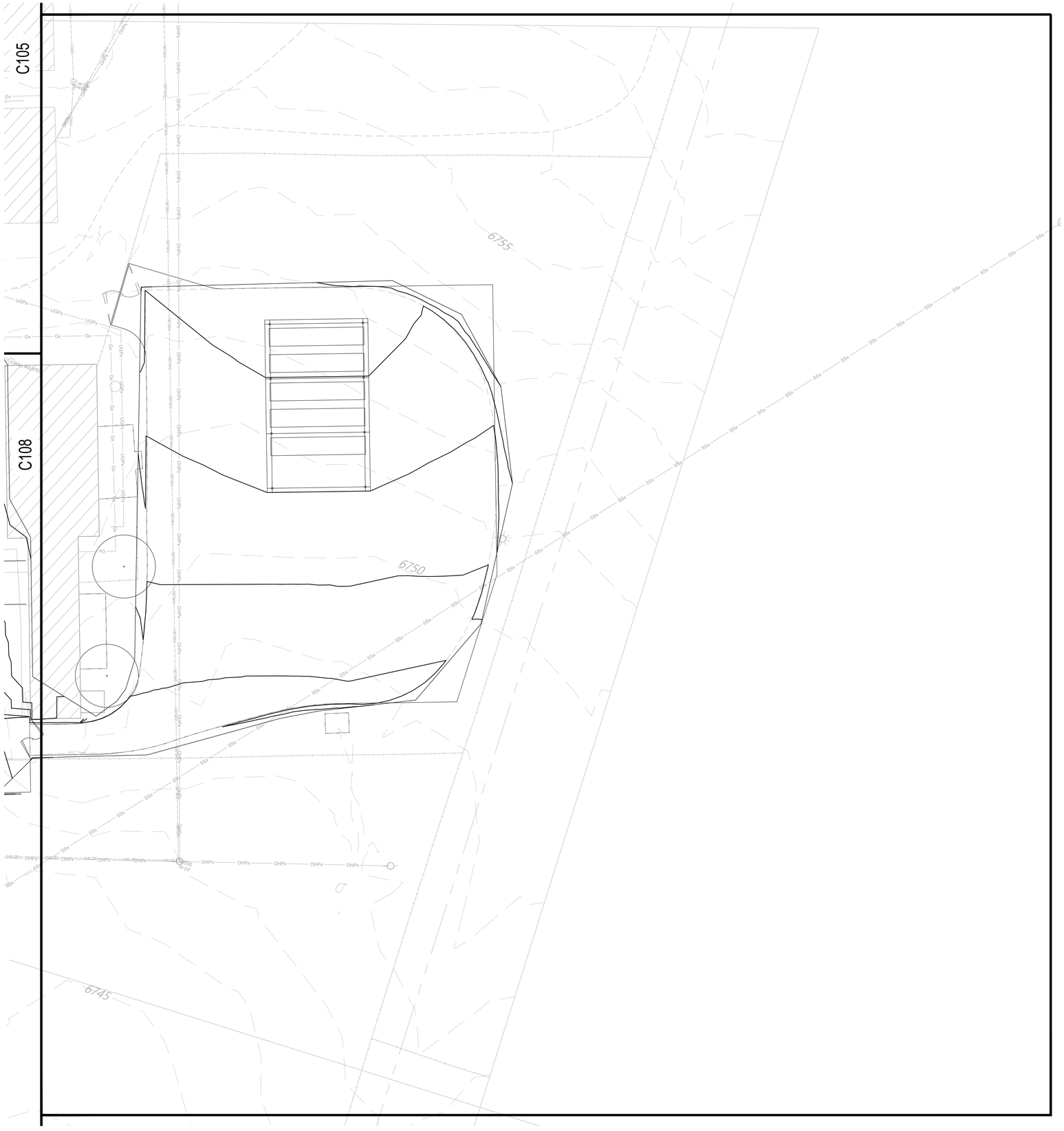
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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GENERAL NOTES

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Dził-Na-O-Dith-Hle Community Grant School
"FOR EACH CHILD IS SUCCESS"

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

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DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

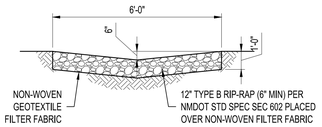
C111

School Information

08/27/2020

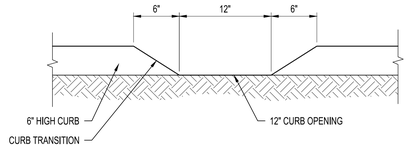
Thu, 1/Oct/2020 - 9:17pm - Plotted by: JMEK
P:\2021\41\CD\PlanSet\Grading\Grading Composite Plans20210041_GP111.dwg

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



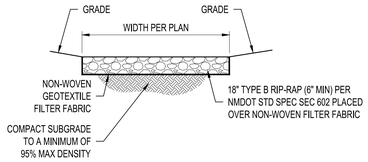
1 RIP-RAP SWALE

NTS



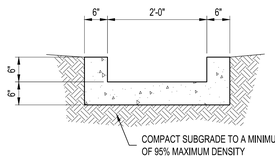
2 CURB OPENING

NTS



3 RIP-RAP BLANKET

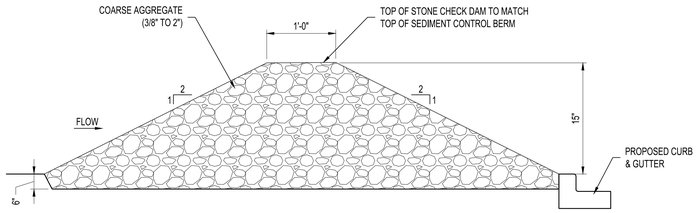
NTS



4 CONCRETE RIBBON CHANNEL

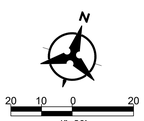
NTS

NOTES:
1. SEE PLANS FOR LOCATION OF DAMS.
2. CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.



5 STONE CHECK DAM CROSS SECTION

NTS



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DESIGN DEVELOPMENT

35 Road 7585
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OCTOBER 2020

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CHECKED BY:	OB

SHEET TITLE

GRADING DETAILS

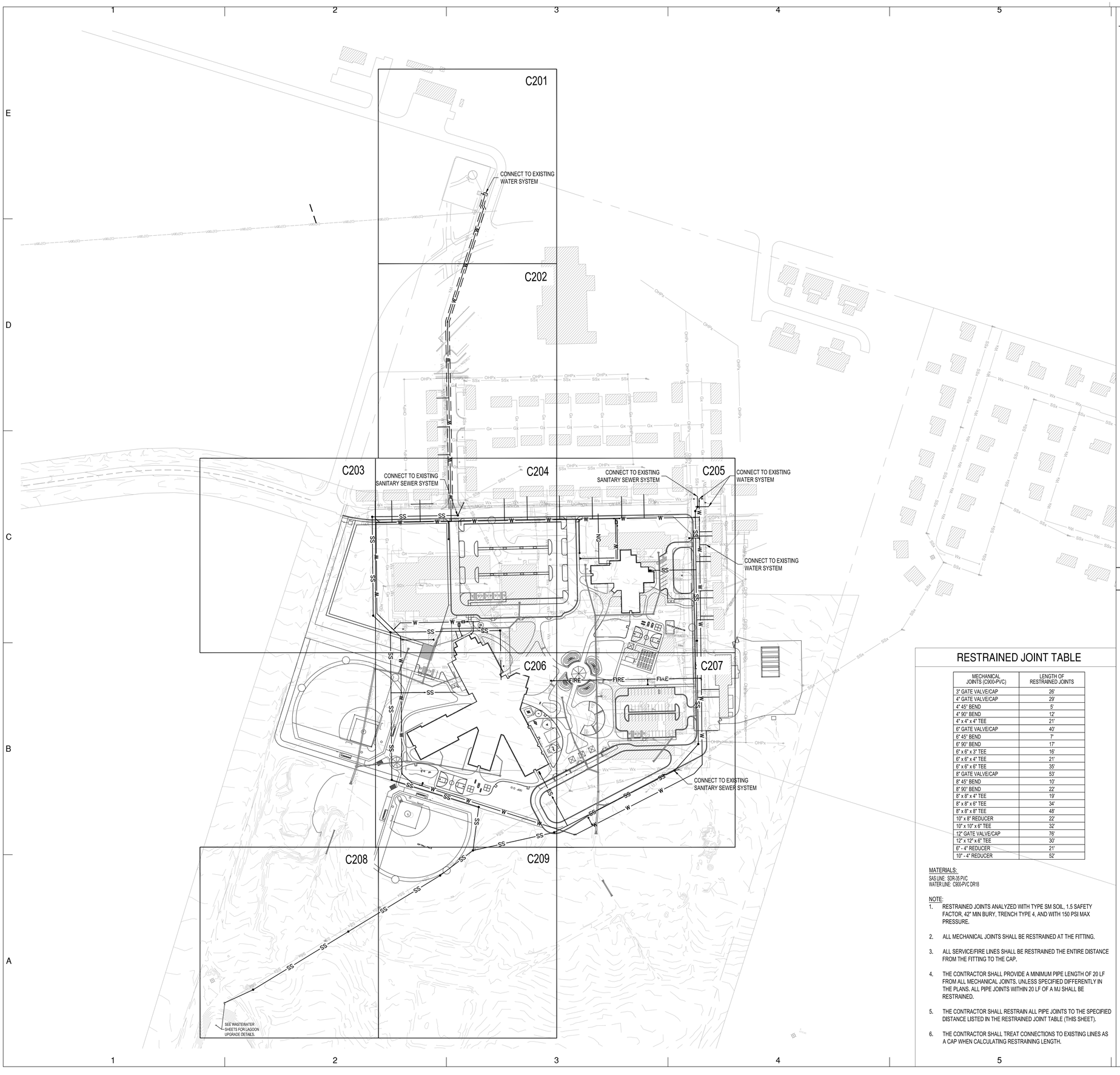
C112

School Information

08/27/2020

Thu, 1 Oct 2020, 9:55:cm, Plotted by: JMSA,
P:\2021\041\CDP\Plans\General\Civil Construction Plans\20210041_GD01.dwg

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



UTILITY NOTES

1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
2. MINIMUM DEPTHS OF COVER SHALL BE: 42" FOR WATER LINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION.
3. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE (2015 EDITION) & NFPA 24 (2018 EDITION).
4. UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
5. ROUGH GRADING OF SITE (±0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
6. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
7. ALL VALVES SHALL BE ANCHORED PER NMAPWA STANDARDS.
8. FIRE WATER LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WATER METER, FIRE WATER LINE, AND SEWER CONNECTIONS WITH THE OWNER.
10. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAS LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.
11. MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS PER NMAPWA STANDARDS.
12. ALL WATER AND SANITARY SEWER WORK DETAILED SHALL BE CONSTRUCTED PER NMAPWA STANDARDS AND SPECIFICATIONS.
13. UTILITIES WITHIN BIA RIGHT-OF-WAY SHALL REQUIRE A BIA PERMIT AND CONSTRUCTION SHALL ADHERE TO ALL APPLICABLE PERMIT REQUIREMENTS.
14. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION INSPECTOR.
15. CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION OF FIRE SERVICE LINES, AND PRIOR TO TESTING AND INSPECTION OF ALL WATER & WASTEWATER LINES. CONTRACTOR SHALL COMPLETE, SIGN, AND SUBMIT THE "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" IN ACCORDANCE WITH NFPA 24.
16. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION.
17. ALL MANHOLES, VALVES, AND OTHER APPURTENANCES SHALL BE ADJUSTED TO FINAL FINISHED GRADE. INTERIM GRADING ELEVATIONS MAY VARY.
18. CONTRACTOR RESPONSIBLE FOR PROVIDING UTILITY AS-BUILTS AND IDENTIFYING WHICH EXISTING UTILITIES HAVE BEEN REMOVED OR ABANDONED AND IDENTIFYING THEM ACCORDINGLY.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS (C900-PVC)	LENGTH OF RESTRAINED JOINTS
3" GATE VALVE/CAP	26'
4" GATE VALVE/CAP	29'
4" 45° BEND	5'
4" 90° BEND	12'
4" x 4" x 4" TEE	21'
6" GATE VALVE/CAP	40'
6" 45° BEND	7'
6" 90° BEND	17'
6" x 6" x 3" TEE	16'
6" x 6" x 4" TEE	21'
6" x 6" x 6" TEE	35'
8" GATE VALVE/CAP	53'
8" 45° BEND	10'
8" 90° BEND	22'
8" x 8" x 4" TEE	19'
8" x 8" x 6" TEE	34'
8" x 8" x 8" TEE	48'
10" x 8" REDUCER	22'
10" x 10" x 6" TEE	32'
12" GATE VALVE/CAP	76'
12" x 12" x 6" TEE	30'
6" - 4" REDUCER	21'
10" - 4" REDUCER	52'

MATERIALS:
SAS LINE: SDR-35 PVC
WATER LINE: C900-PVC DR18

NOTE:
1. RESTRAINED JOINTS ANALYZED WITH TYPE SM SOIL, 1.5 SAFETY FACTOR, 42" MIN BURY, TRENCH TYPE 4, AND WITH 150 PSI MAX PRESSURE.
2. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
3. ALL SERVICE/FIRE LINES SHALL BE RESTRAINED THE ENTIRE DISTANCE FROM THE FITTING TO THE CAP.
4. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS, UNLESS SPECIFIED DIFFERENTLY IN THE PLANS. ALL PIPE JOINTS WITHIN 20 LF OF A MJ SHALL BE RESTRAINED.
5. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS TO THE SPECIFIED DISTANCE LISTED IN THE RESTRAINED JOINT TABLE (THIS SHEET).
6. THE CONTRACTOR SHALL TREAT CONNECTIONS TO EXISTING LINES AS A CAP WHEN CALCULATING RESTRAINING LENGTH.

LEGEND

- PROPERTY BOUNDARY
- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- PROPOSED WATER LINE
- PROPOSED VALVE
- PROPOSED FIRE WATER LINE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
- PROPOSED PIV
- REMOTE FIRE DEPARTMENT CONNECTION
- GREASE INTERCEPTOR
- UTILITY LINE DEMOLITION

N

100 50 0 100
1"=100'

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"HOW EACH CHILD BELIEVES"

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SHEET TITLE

OVERALL UTILITY PLAN

C200

08/27/2020

TN: Dzil000_1700 - Plotted by: GBROWN
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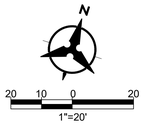
School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



WATERLINE KEYNOTES

1. CONNECT TO EXISTING 8" WATER LINE AT EXISTING GATE VALVE.
2. INSTALL 1 - 8"x8"x6" TEE.
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5. INSTALL 1- 8"X8"X8" MJ, DI, TEE. INSTALL 2 - MJ GATE VALVES; 1- 8" MJ GATE VALVE ON THE MAIN AND 1 - 8" MJ GATE VALVE ON THE BRANCH.
6. INSTALL WATERLINE CAP (MJ, DI), SIZE PER PLAN.
7. INSTALL FIRE PROTECTION LINE (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
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15. WATER SYSTEM WORK TO BE COMPLETED AS PART OF THE EARLY WORK PACKAGE.
16. INSTALL WATER SERVICE (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
17. INSTALL REDUCED PRESSURE BACKFLOW DEVICE WITH HEATED ENCLOSURE. PER CITY OF ALBUQUERQUE STANDARD DRAWING 2385 PER DETAIL 3/C210.
18. INSTALL FIRE PROTECTION POST INDICATOR VALVE (SIZE PER PLANS).
19. CONTRACTOR TO FIELD VERIFY EXISTING WATER SERVICE CONNECTIONS AND REPLACE IN KIND, CONNECTING TO NEW WATERLINE.
20. INSTALL WATER LINE VALVE, SIZE PER PLAN.
21. INSTALL REMOTE FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 4/C210

SANITARY SEWER KEYNOTES

1. INSTALL GREASE INTERCEPTOR PER PLUMBING PLANS.
2. INSTALL 4' SANITARY MANHOLE PER NMAPWA STD DWG 2101 OR 2102.
3. INSTALL 4" SANITARY SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
4. INSTALL 8" SAS LINE.
5. INSTALL 6" SANITARY SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
6. INSTALL 6" SANITARY DOUBLE CLEANOUT PER DETAIL 1/C210.
7. INSTALL SANITARY SEWER PLUG, SIZE PER PLANS.
8. SANITARY SEWER WORK TO BE COMPLETED IN EARLY WORK PACKAGE.
9. CONTRACTOR TO FIELD VERIFY EXISTING SAS SERVICE CONNECTIONS AND REPLACE IN KIND, CONNECTING TO NEW SAS LINE.

DEMOLITION KEYED NOTES

1. EXISTING UTILITY TO REMAIN. PROTECT IN PLACE.
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10. DEMOLITION LIMITS. REMOVE AND REPLACE PAVING, CONCRETE, WALLS, ETC. IN KIND.

UTILITY LEGEND

- PROPERTY BOUNDARY
- SS — PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- W — PROPOSED WATER LINE
- PROPOSED VALVE
- FIRE — PROPOSED FIRE WATER LINE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
- PROPOSED PIV
- REMOTE FIRE DEPARTMENT CONNECTION
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NOT FOR CONSTRUCTION

Dzilth-Na-O-Dith-Hle Community Grant School
"HOW EACH CHILD SUCCEEDS"

Dzilth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

UTILITY PLAN

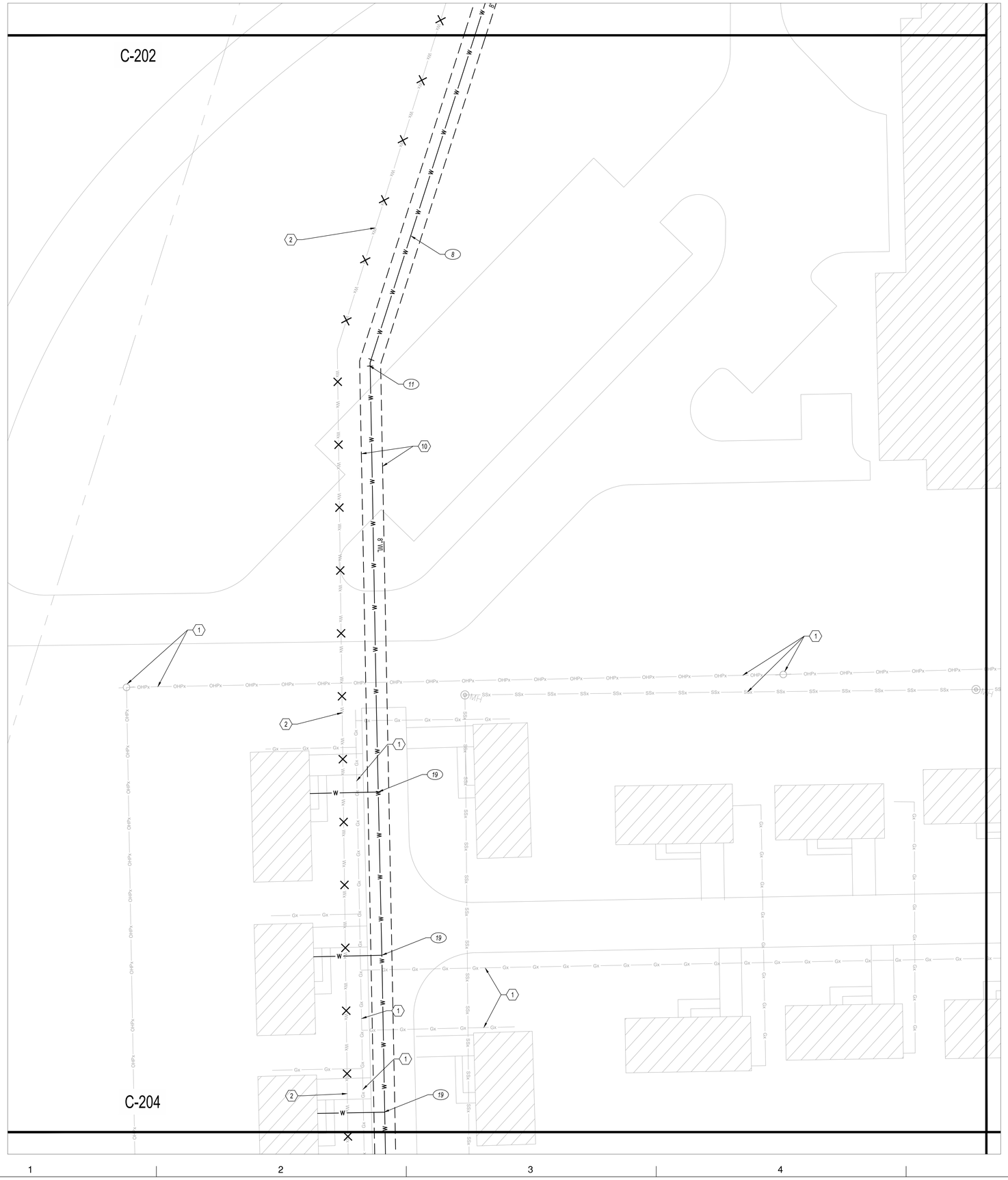
C201

School Information

08/27/2020

Thu, 1-Oct-2020, 8:55pm, Plotted by MBROWN
P:\2021\041\CD\Plans\Cover\Civil\Dzilth-Community-Revit2021\041_UP01.dwg

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



N

20 10 0 20

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NOT FOR CONSTRUCTION

Dzilth-Na-O-Dith-Hle Community School
"FOR EACH CHILD SUCCEEDS"

Dzilth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

UTILITY PLAN

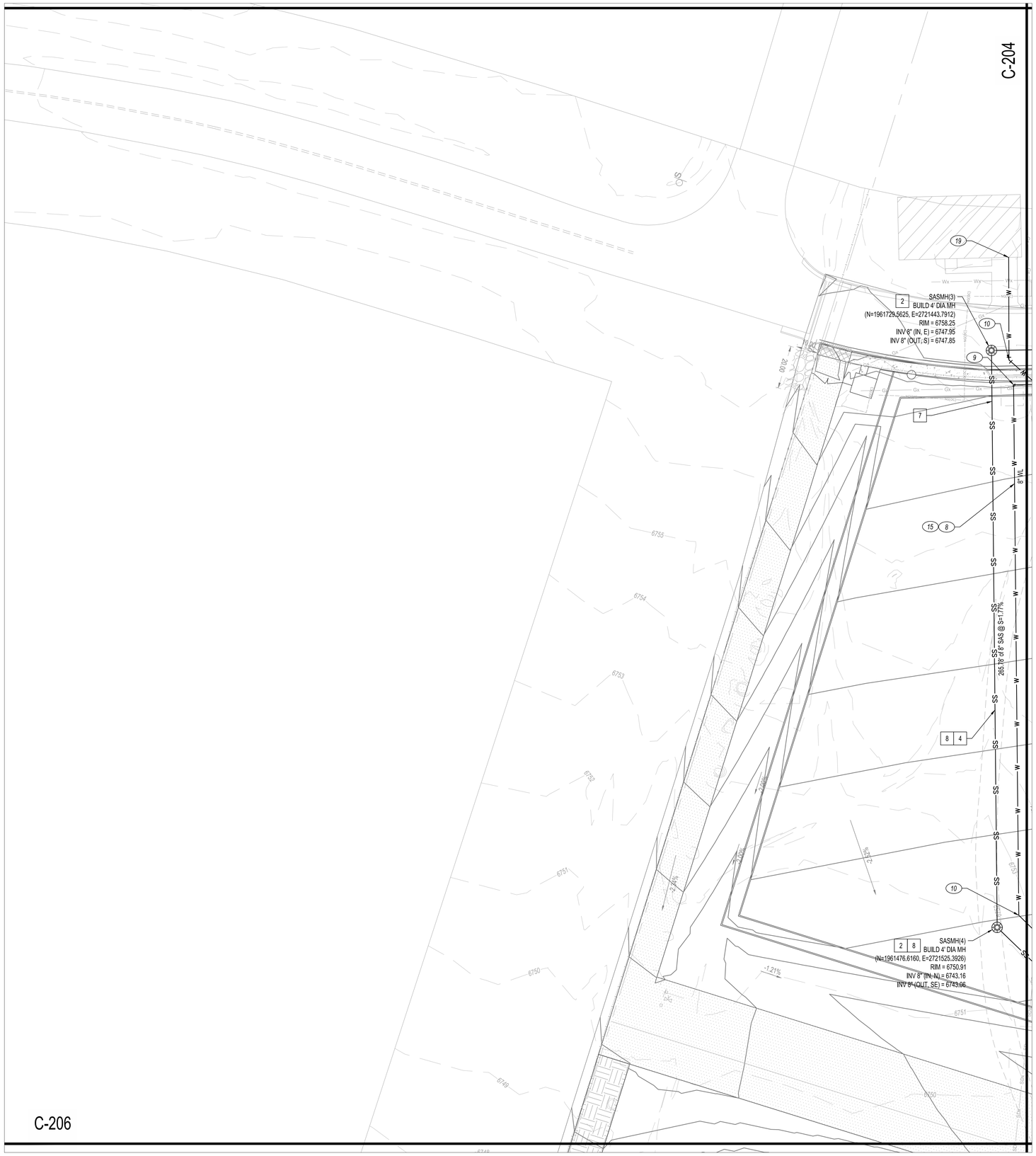
C202

School Information

08/27/2020

Thu, 1 Oct 2020, 8:51:pm, Plotted by: DBROWN
P:\2021\041\CAD\Plans\General\Cover Concept Plans\20210041_UP02.dwg

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



20 10 0 20
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UTILITY LEGEND

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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

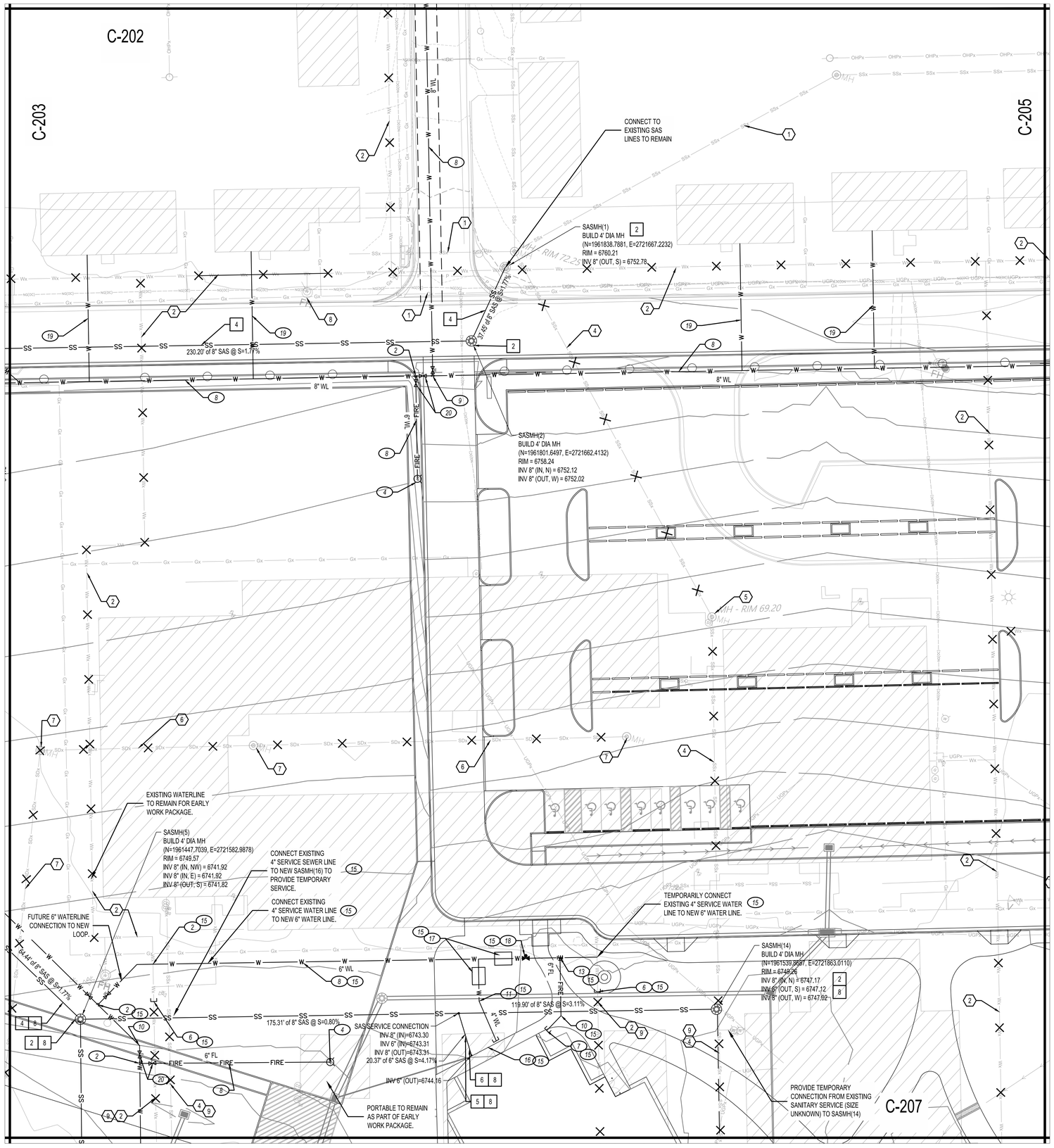
UTILITY PLAN

C203

School Information

08/27/2020
Thu, 1/Oct/2020, 1:07pm - Thomas Gilbertson
P:\2021\041\CDP\Revit\Central\Dziłth-Na-O-Dith-Hle Community School_Revit2021\041_UP20.rvt

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



N

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Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

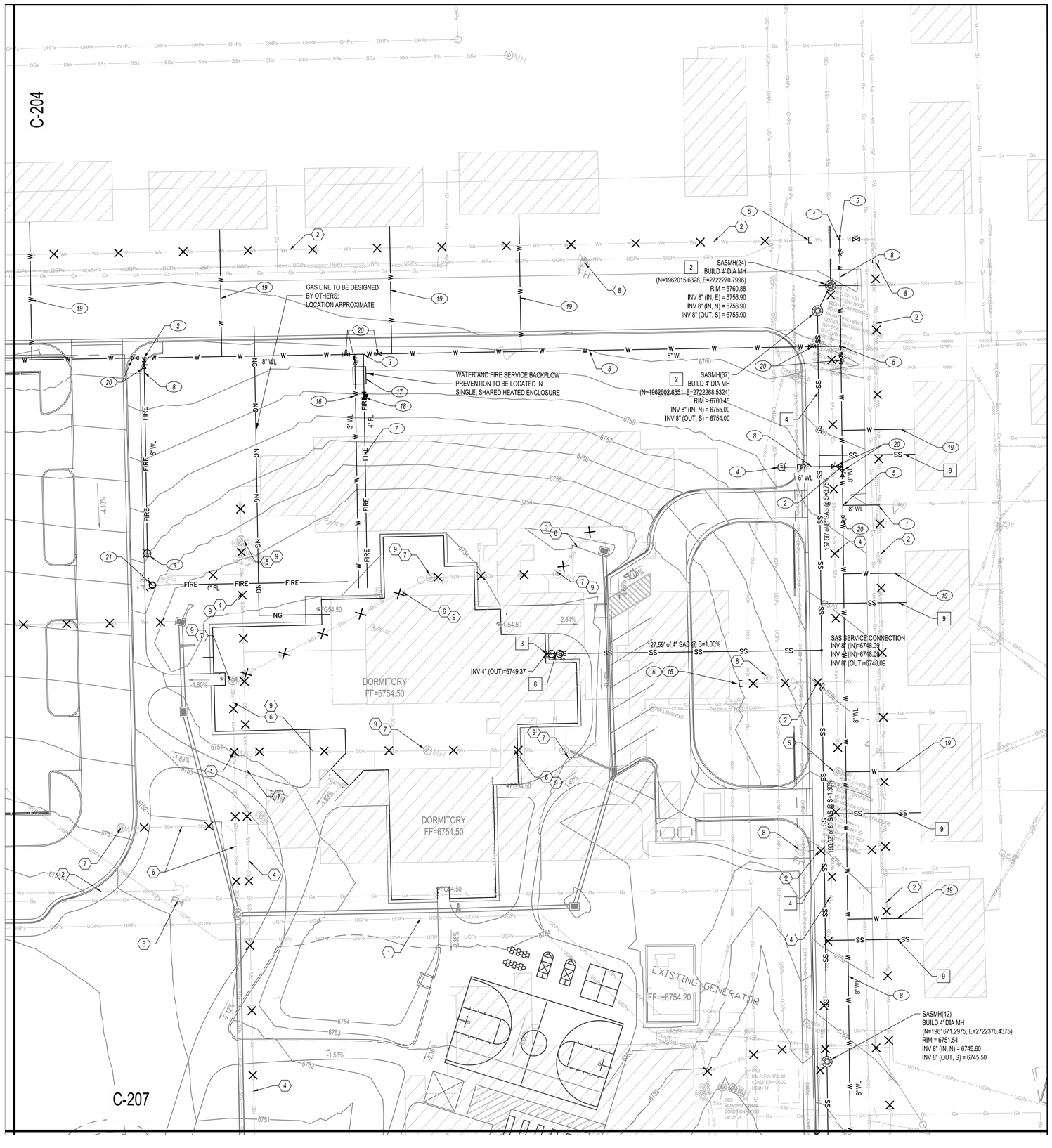
UTILITY PLAN

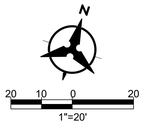
C204

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL





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9. INSTALL 90° MJ, DI. SIZE PER PLAN.
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15. WATER SYSTEM WORK TO BE COMPLETED AS PART OF THE EARLY WORK PACKAGE.
16. INSTALL WATER SERVICE (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
17. INSTALL REDUCED PRESSURE BACKFLOW DEVICE WITH HEATED ENCLOSURE. PER CITY OF ALBUQUERQUE STANDARD DRAWING 2385 PER DETAIL 3/C210.
18. INSTALL FIRE PROTECTION POST INDICATOR VALVE (SIZE PER PLANS).
19. CONTRACTOR TO FIELD VERIFY EXISTING WATER SERVICE CONNECTIONS AND REPLACE IN KIND, CONNECTING TO NEW WATERLINE.
20. INSTALL WATER LINE VALVE, SIZE PER PLAN.
21. INSTALL REMOTE FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 4/C210

SANITARY SEWER KEYNOTES

1. INSTALL GREASE INTERCEPTOR PER PLUMBING PLANS.
2. INSTALL 4' SANITARY MANHOLE PER NMAPWA STD DWG 2101 OR 2102.
3. INSTALL 4" SANITARY SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
4. INSTALL 8" SAS LINE.
5. INSTALL 6" SANITARY SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
6. INSTALL 6" SANITARY DOUBLE CLEANOUT PER DETAIL 1/C210.
7. INSTALL SANITARY SEWER PLUG, SIZE PER PLANS.
8. SANITARY SEWER WORK TO BE COMPLETED IN EARLY WORK PACKAGE.
9. CONTRACTOR TO FIELD VERIFY EXISTING SAS SERVICE CONNECTIONS AND REPLACE IN KIND, CONNECTING TO NEW SAS LINE.

DEMOLITION KEYED NOTES

1. EXISTING UTILITY TO REMAIN. PROTECT IN PLACE.
2. ABANDON OR REMOVE EXISTING WATERLINE AND APPURTENANCES.
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9. DEMOLITION WORK TO BE COMPLETED AS PART OF EARLY WORK PACKAGE.
10. DEMOLITION LIMITS. REMOVE AND REPLACE PAVING, CONCRETE, WALLS, ETC. IN KIND.

UTILITY LEGEND

- PROPERTY BOUNDARY
- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- PROPOSED WATER LINE
- PROPOSED VALVE
- PROPOSED FIRE WATER LINE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
- PROPOSED PIV
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NOT FOR CONSTRUCTION

Dzilth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

UTILITY PLAN

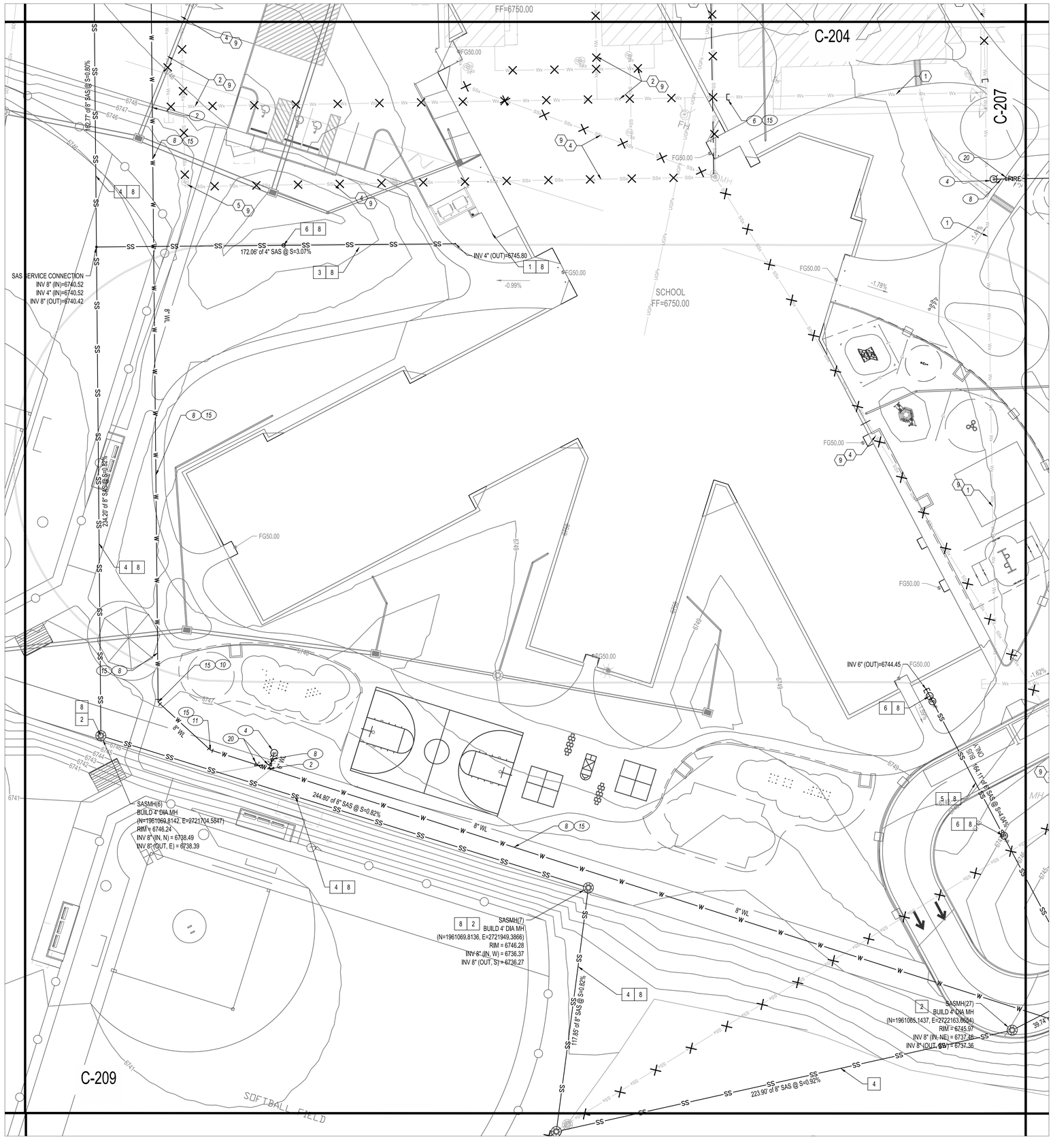
C205

08/27/2020

Thu, 10/01/2020 - 8:51pm, Phillip Ha, O:\Projects\20210041 Dzilth-Na-O-Dith-Hle Community School\Revit\20210041_UPR5.dwg

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



WATERLINE KEYNOTES

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UTILITY LEGEND

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- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- PROPOSED WATER LINE
- PROPOSED VALVE
- PROPOSED FIRE WATER LINE
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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

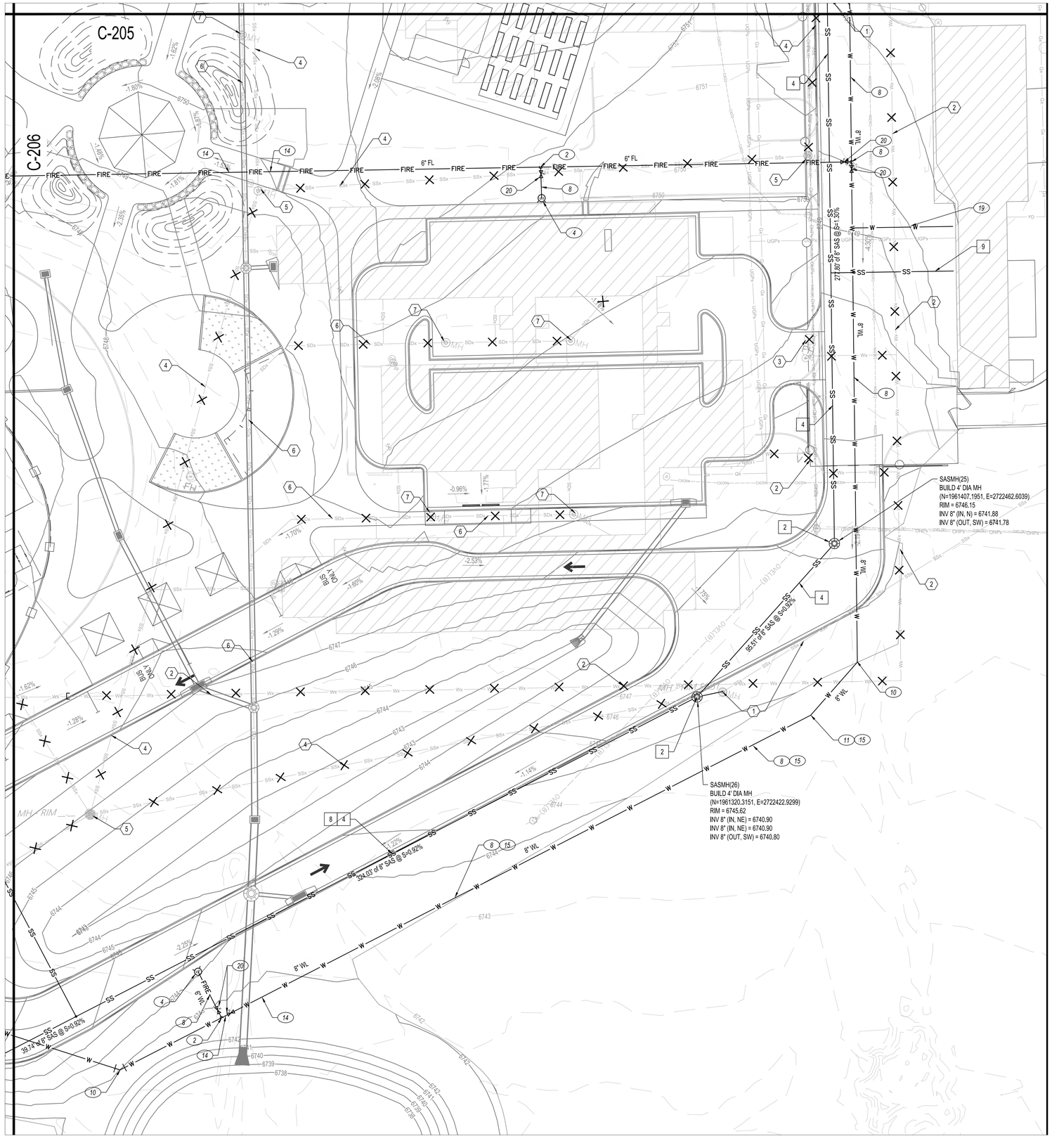
SHEET TITLE

C206

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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UTILITY LEGEND

- PROPERTY BOUNDARY
- SS — PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- W — PROPOSED WATER LINE
- PROPOSED VALVE
- FIRE — PROPOSED FIRE WATER LINE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
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- REMOTE FIRE DEPARTMENT CONNECTION
- GREASE INTERCEPTOR
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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

UTILITY PLAN

C207

08/27/2020

Plt, 10/2/2020 - 3:55 pm, Plotted by: OBROWN
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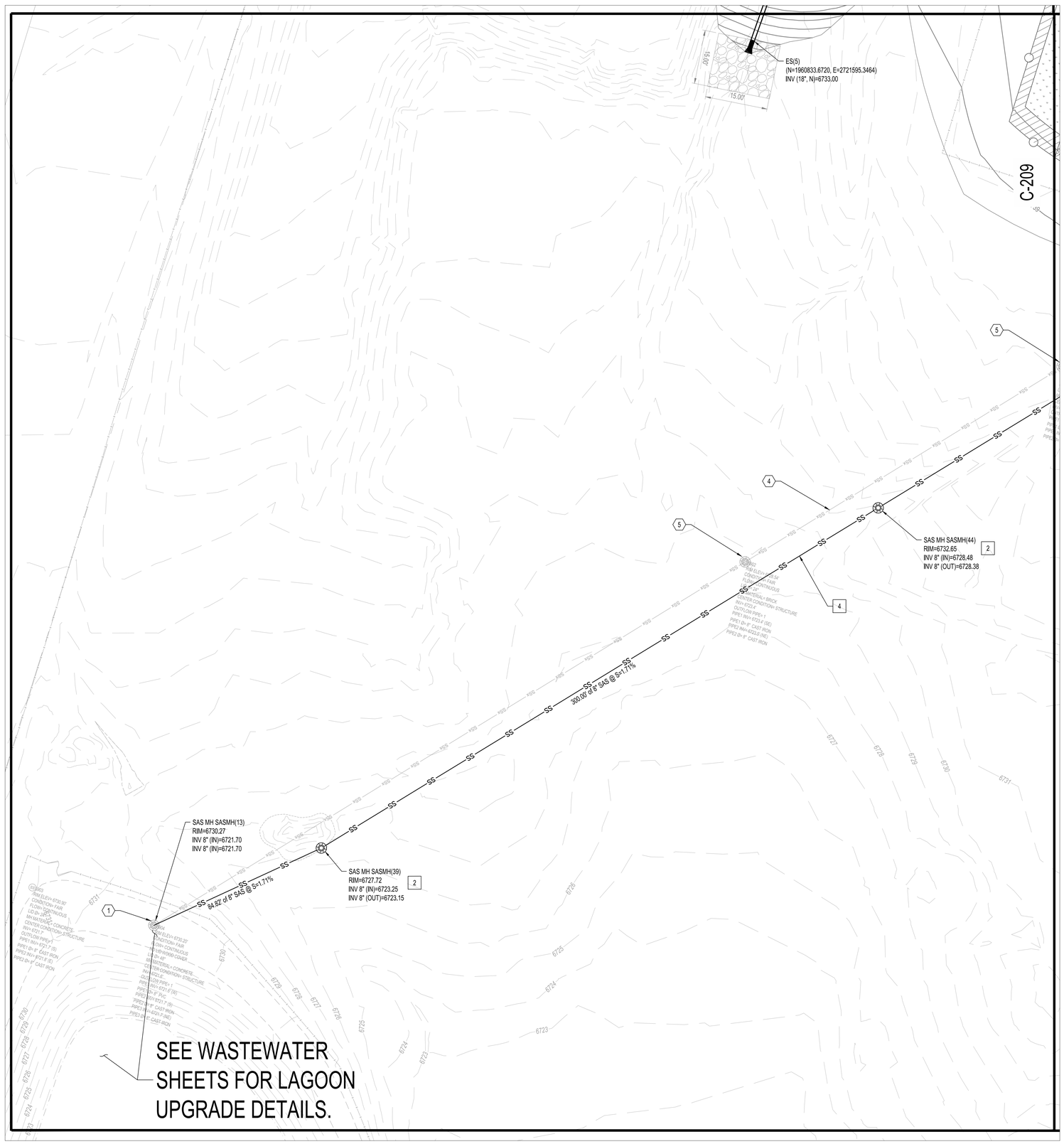
School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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Dzilth-Na-O-Dith-Hle Community School

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DESIGN DEVELOPMENT

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

UTILITY PLAN

C208

School Information

08/27/2020

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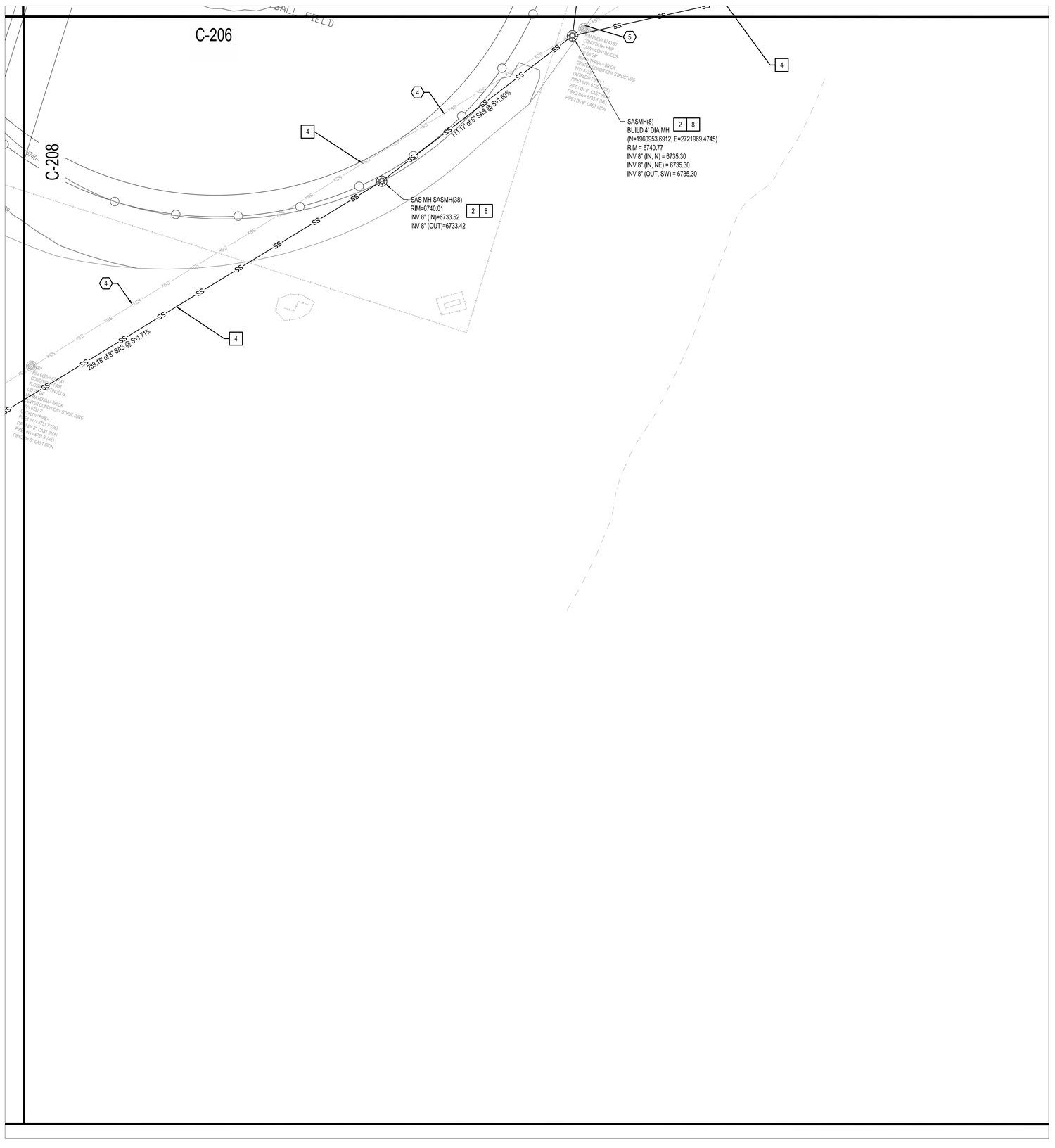

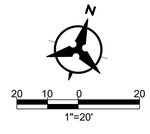

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15. WATER SYSTEM WORK TO BE COMPLETED AS PART OF THE EARLY WORK PACKAGE.
16. INSTALL WATER SERVICE (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
17. INSTALL REDUCED PRESSURE BACKFLOW DEVICE WITH HEATED ENCLOSURE. PER CITY OF ALBUQUERQUE STANDARD DRAWING 2385 PER DETAIL 3/C210.
18. INSTALL FIRE PROTECTION POST INDICATOR VALVE (SIZE PER PLANS).
19. CONTRACTOR TO FIELD VERIFY EXISTING WATER SERVICE CONNECTIONS AND REPLACE IN KIND, CONNECTING TO NEW WATERLINE.
20. INSTALL WATER LINE VALVE, SIZE PER PLAN.
21. INSTALL REMOTE FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 4/C210

SANITARY SEWER KEYNOTES

1. INSTALL GREASE INTERCEPTOR PER PLUMBING PLANS.
2. INSTALL 4' SANITARY MANHOLE PER NMAPWA STD DWG 2101 OR 2102.
3. INSTALL 4" SANITARY SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
4. INSTALL 8" SAS LINE.
5. INSTALL 6" SANITARY SERVICE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
6. INSTALL 6" SANITARY DOUBLE CLEANOUT PER DETAIL 1/C210.
7. INSTALL SANITARY SEWER PLUG, SIZE PER PLANS.
8. SANITARY SEWER WORK TO BE COMPLETED IN EARLY WORK PACKAGE.
9. CONTRACTOR TO FIELD VERIFY EXISTING SAS SERVICE CONNECTIONS AND REPLACE IN KIND, CONNECTING TO NEW SAS LINE.

DEMOLITION KEYED NOTES

1. EXISTING UTILITY TO REMAIN. PROTECT IN PLACE.
2. ABANDON OR REMOVE EXISTING WATERLINE AND APPURTENANCES.
3. REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT.
4. ABANDON OR REMOVE EXISTING SANITARY SEWER LINE.
5. ABANDON OR REMOVE EXISTING SANITARY SEWER MANHOLE.
6. ABANDON OR REMOVE EXISTING STORM DRAIN LINE.
7. ABANDON OR REMOVE EXISTING STORM DRAIN INLET/MANHOLE.
8. REMOVE AND SALVAGE EXISTING FIRE HYDRANT FOR FUTURE USE.
9. DEMOLITION WORK TO BE COMPLETED AS PART OF EARLY WORK PACKAGE.
10. DEMOLITION LIMITS. REMOVE AND REPLACE PAVING, CONCRETE, WALLS, ETC. IN KIND.

UTILITY LEGEND

- PROPERTY BOUNDARY
- SS — PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- W — PROPOSED WATER LINE
- PROPOSED VALVE
- FIRE — PROPOSED FIRE WATER LINE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
- PROPOSED PIV
- REMOTE FIRE DEPARTMENT CONNECTION
- GREASE INTERCEPTOR
- UTILITY LINE DEMOLITION

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Dzilth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/02/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

UTILITY PLAN

C209

School Information

DZILTH-NA-O-DITH-HLE COMMUNITY SCHOOL

08/27/2020

Thu, 1-Oct-2020 - 8:41 pm, Plotted by: OBROWN
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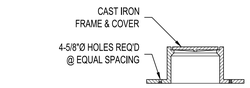
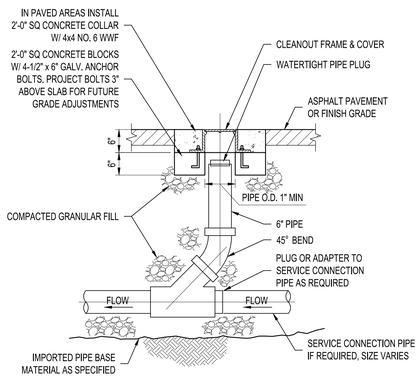
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

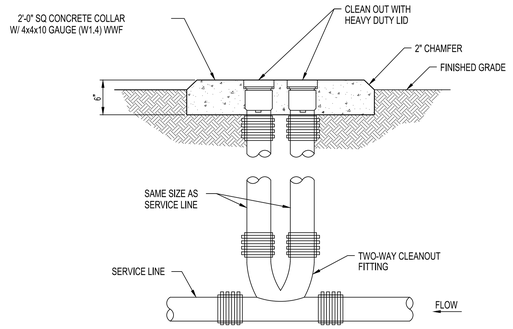


CLEANOUT FRAME & COVER



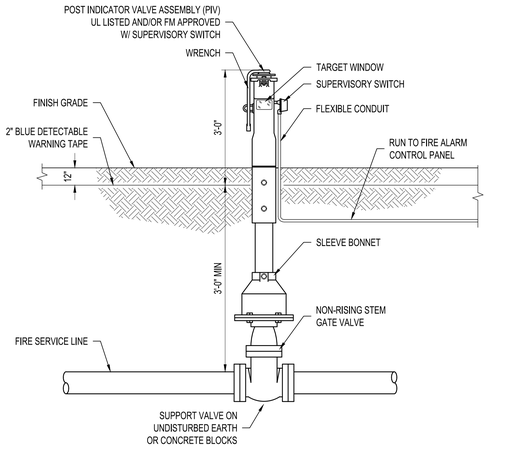
1 CLEANOUT DETAIL

NTS



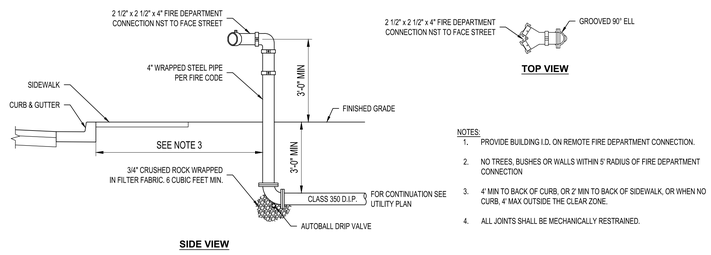
2 DOUBLE CLEANOUT DETAIL

NTS



3 POST INDICATOR VALVE

NTS



NOTES:

1. PROVIDE BUILDING I.D. ON REMOTE FIRE DEPARTMENT CONNECTION.
2. NO TREES, BUSHES OR WALLS WITHIN 5' RADIUS OF FIRE DEPARTMENT CONNECTION
3. 4' MIN TO BACK OF CURB, OR 2' MIN TO BACK OF SIDEWALK, OR WHEN NO CURB, 4' MAX OUTSIDE THE CLEAR ZONE.
4. ALL JOINTS SHALL BE MECHANICALLY RESTRAINED.

4 REMOTE FIRE DEPARTMENT CONNECTION (FDC)

NTS

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"FOR EACH CHILD SUCCESS"

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SHEET TITLE

UTILITY DETAILS

C210

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School Information

08/27/2020

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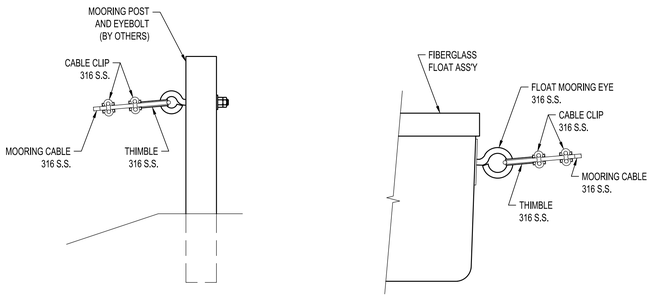
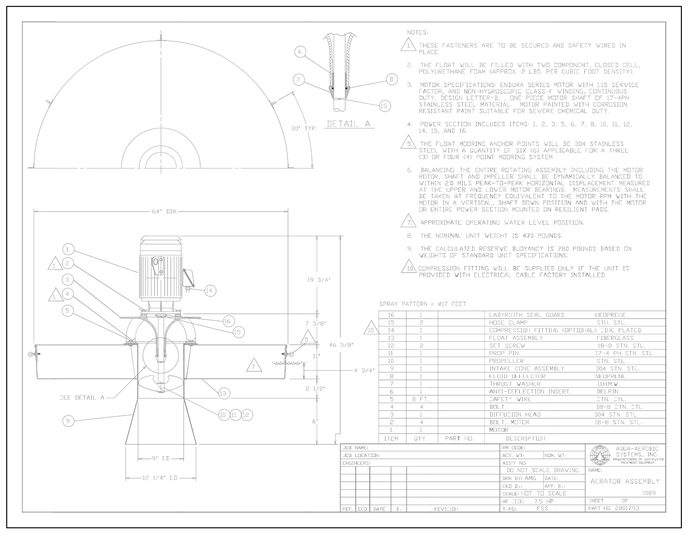
DZILTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A A00/A00 **SHORE MOORING DETAIL**
SCALE: NOT TO SCALE

B A00/A00 **FLOAT MOORING DETAIL**
SCALE: NOT TO SCALE



C **AERATOR ASSEMBLY DETAIL**
SCALE: NOT TO SCALE

1 **LAGOON AND AERATED CELL LAYOUT**
1"=30'

GENERAL NOTES:

1. EXISTING PRIMARY AND SECONDARY TREATMENT CELLS (LABELED) MUST BE COMPLETELY DREDGED. SOLIDS MUST BE DISPOSED OF BY EITHER HAULING TO A SEPTAGE HANDLING FACILITY OR BY DRYING THE SOLIDS OFF-SITE, PASSING A PAINT-FILTER TEST, AND HAULING THEM TO A LANDFILL. SOLIDS MUST BE DISPOSED OF PRIOR TO AERATOR INSTALLATION.
2. EXISTING TREATMENT CELL LINERS ARE CLAY. PRIMARY TREATMENT CELL CLAY LINER SHALL BE REPLACED WITH HDPE LINER AND ALL ROCKS ON SIDES OF LAGOON SHALL BE REMOVED. REPAIR TO SECONDARY CELL LINER SHALL BE DONE WITH A MATERIAL CONSISTENT WITH THE NAVAJO AREA INDIAN HEALTH SERVICES DESIGN CRITERIA MANUAL, LATEST EDITION OR AS APPROVED BY ENGINEER.
3. INLET AND OUTLET PIPE OF PRIMARY AND SECONDARY TREATMENT CELLS MUST BE INSPECTED AND CLEANED IF MORE THAN 20% BLOCKED. IF CLEANING CANNOT BE DONE, GUIDANCE FOR PIPE REPLACEMENT WILL BE PROVIDED BY ENGINEER. PIPES MUST BE CLEAN TO ENSURE THAT WASTEWATER FLOWS FIRST TO THE PRIMARY AND THEN TO THE SECONDARY CELL.
4. WASTEWATER LAGOON AERATORS SHALL BE 10 HP PER AERATOR. FLOATS MUST BE FIBER REINFORCED POLYESTER SKIN AND FILLED WITH CLOSED CELL POLYESTER FOAM. MOTOR SHALL BE TEFC, 460 V, 60 HZ, 1800 RPM. ALL OTHER MATERIALS SHALL BE 304 SS
5. AN ACCEPTABLE PROPOSAL WAS PROVIDED BY AQUA-AEROBIC SYSTEMS TO PROVIDE TWO (2) AERATORS, TWO (2) SETS OF ELECTRICAL CABLE AND APPURTENANCES, TWO (2) SETS OF MOORING CABLES AND APPURTENANCES, AND ONE (1) CONTROL PANEL. MOORING POSTS MUST BE OBTAINED SEPARATELY BY CONTRACTOR. TO ACCESS THE PROPOSAL, CONTACT:

   EMILY KULLBERG
   AQUA-AEROBIC SYSTEMS, INC
   PH: 815-639-4494
   E-MAIL: EKULLBERG@AQUA-AEROBIC.COM

   REFERENCE PROPOSAL NO. #57997 TO ACCESS THE ACCEPTABLE PROPOSAL.
6. MOORING POSTS SHALL CONSIST OF SCH. 40 STEEL PIPE AND SHALL BE ANCHORED AT A DEPTH OF 4 FEET WITH 24" OF 3,000 PSI PC CONCRETE.
7. MOORING CABLES MUST BE ADJUSTED PROPERLY SO THAT AERATORS ARE CENTERED OVER CONCRETE PAD. MOORING CABLES SHOULD BE SUFFICIENTLY TENSIONED TO ENSURE AERATORS DO NOT DRIFT OFF CONCRETE PADS.
8. AERATORS MAY BE TIED IN TO INDIVIDUAL CONTROL PANELS OR A SINGLE CONTROL PANEL. EACH AERATOR MUST HAVE A STARTER AND ALL NECESSARY SWITCHES HOUSED WITHIN THE CONTROL PANEL. IF A SINGLE CONTROL PANEL IS USED, IT SHOULD BE LOCATED NORTH OF THE PRIMARY TREATMENT CELL. CABLING SHOULD BE BURIED UNTIL IT REACHES THE DESIGNATED MOORING POST AND CABLE. IF A SINGLE CONTROL PANEL IS USED, EACH AERATOR MUST HAVE IT'S OWN DISCONNECT SWITCH.
9. INSTALLATION OF AERATORS IS BEING DONE AT THE REQUEST OF THE OWNER.

KEYED NOTES:

1. AERATOR, TO BE CENTERED OVER CONCRETE PAD, DIMENSIONS ARE APPROXIMATE.
2. MOORING POST (TO BE SUPPLIED BY CONTRACTOR), MUST INSTALLED SO THAT MOORING CABLE CLEARS TREATMENT CELL RIM/CREST, SEE DETAIL A.
3. FLOAT MOORING CONNECTION, SEE DETAIL B.
4. MOORING CABLE.
5. ELECTRICAL CABLE TO BE INSTALLED ALONG MOORING CABLE.
6. ACCESS ROAD NOT TO BE BLOCKED
7. LAGOON BOTTOM TO BE DREDGED.
8. 10' X 10' CONCRETE PAD, 6" THICK, #4 REBAR, 12" O.C. MUST HAVE AERATORS CENTERED ABOVE. SEE SHEET C253.
9. HDPE LINER TO BE INSTALLED PER SHEET C252 AND 253.
10. TOP ANCHOR TRENCH PER SHEET C252.
11. BOTTOM ANCHOR TRENCH PER SHEET C253.
12. EXISTING BENTONITE CLAY LINE TO BE REPLACED IF DAMAGED DURING DREDGING.
13. AERATOR CONTROL PANEL TO BE INSTALLED.
14. BURIED ELECTRICAL CABLE FROM CONTROL PANEL TO AERATORS

N

30 15 0 30
6 1"=30'

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Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

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ISSUE:	
DATE:	10/01/2020
PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	NEC
CHECKED BY:	CEM

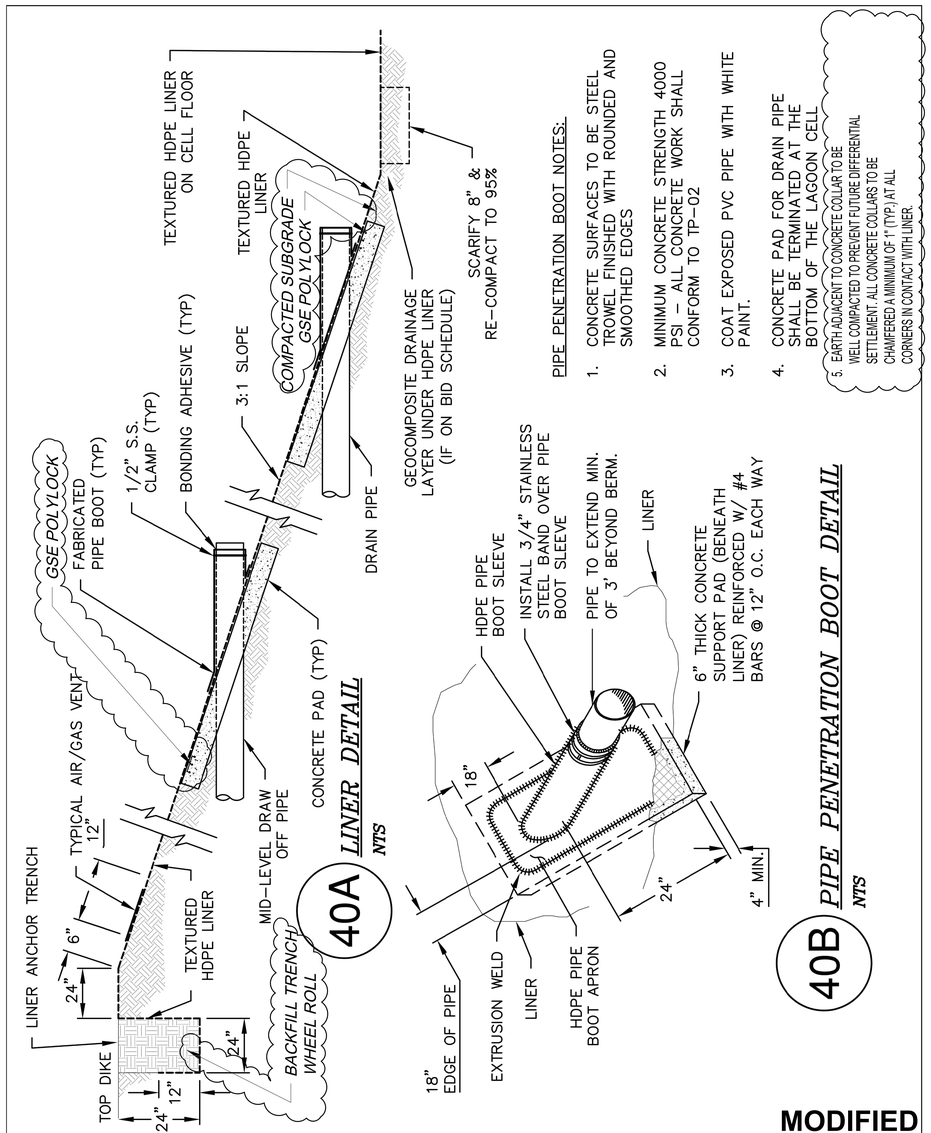
SHEET TITLE

WASTE WATER LAGOON AERATOR INSTALLATION

C251

08/27/2020

School Information



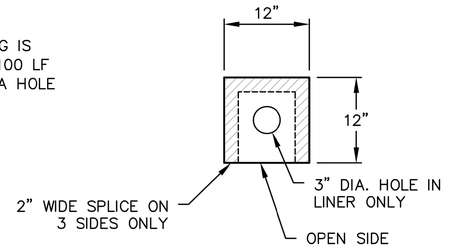
PIPE PENETRATION BOOT NOTES:

1. CONCRETE SURFACES TO BE STEEL TROWEL FINISHED WITH ROUNDED AND SMOOTHED EDGES
2. MINIMUM CONCRETE STRENGTH 4000 PSI – ALL CONCRETE WORK SHALL CONFORM TO TP-02
3. COAT EXPOSED PVC PIPE WITH WHITE PAINT.
4. CONCRETE PAD FOR DRAIN PIPE SHALL BE TERMINATED AT THE BOTTOM OF THE LAGOON CELL
5. EARTH ADJACENT TO CONCRETE COLLAR TO BE WELL COMPACTED TO PREVENT FUTURE DIFFERENTIAL SETTLEMENT. ALL CONCRETE COLLARS TO BE CHAMFERED A MINIMUM OF 1" (TYP.) AT ALL CORNERS IN CONTACT WITH LINER.

MODIFIED

DEPT. OF HEALTH & HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE ALBUQUERQUE AREA DSFC	DETAIL NAME: LINER DETAIL PIPE PENETRATION BOOT DETAIL	FILE NAME: IHS-STD-BLOCKS-2016 DETAIL NO. 40A, 40B

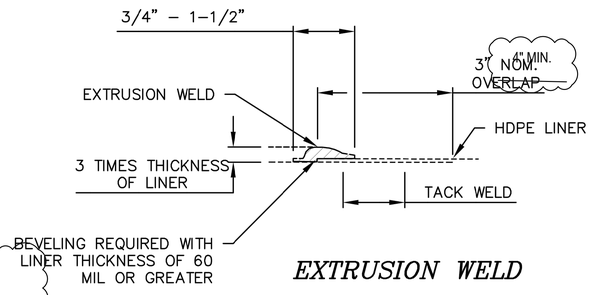
NOTE:
RECOMMENDED SPACING IS ONE (1) VENT EVERY 100 LF CENTERED OVER 3" DIA HOLE



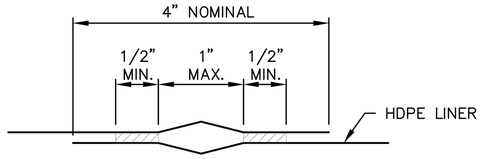
AIR/GAS DETAIL

EXTRUSION WELD DETAIL NOTES:

1. LINER SHEETS TACK WELDED TOGETHER AT OVERLAP TO FORM TEMPORARY BOND PRIOR TO WELDING.
2. GRINDING NOT TO EXCEED 1/4" PAST "SQUEEZE-OUT" ON EITHER SIDE. PRO- PER CARE SHOULD BE TAKEN IN NOT REMOVING TOO MUCH MATERIAL WHEN GRINDING.
3. VACUUM TESTING IS THE NON-DESTRUCTIVE SEAM TEST METHOD FOR EXTRUSION WELDS.
4. CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR SUBMITTAL AND APPROVAL BY ENGINEER ON THE PROPOSED SEAMING AND TESTING METHODS.



EXTRUSION WELD



HDPE FIELD SPLICE

40C *LINER DETAILS* NTS

MODIFIED

DEPT. OF HEALTH & HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE ALBUQUERQUE AREA DSFC	DETAIL NAME: LINER DETAILS	FILE NAME: IHS-STD-BLOCKS-2016 DETAIL NO. 40C

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OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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PROJECT NO:	20210041
CAD DWG FILE:	
DRAWN BY:	NEC
CHECKED BY:	CEM

SHEET TITLE

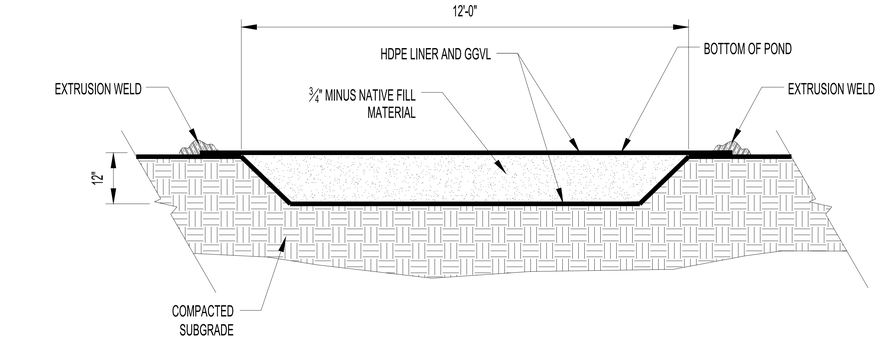
WASTE WATER LAGOON DETAILS 1 OF 2

C252

08/27/2020

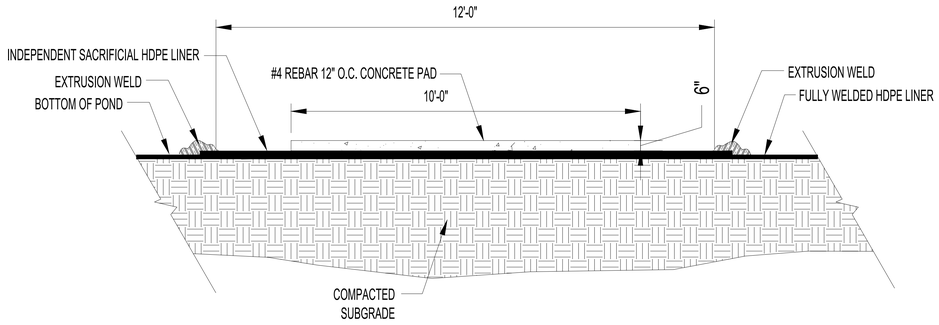
School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



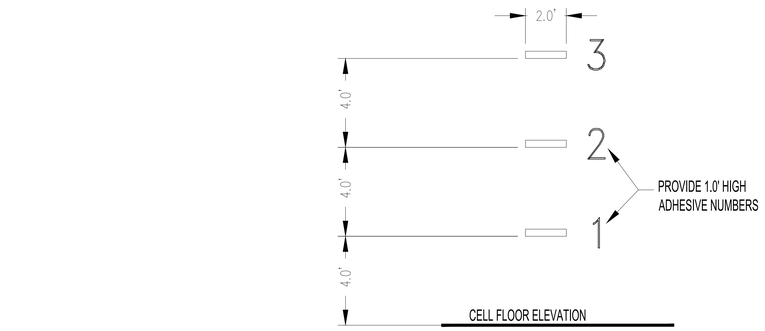
1 HDPE BOTTOM ANCHOR TRENCH DETAIL

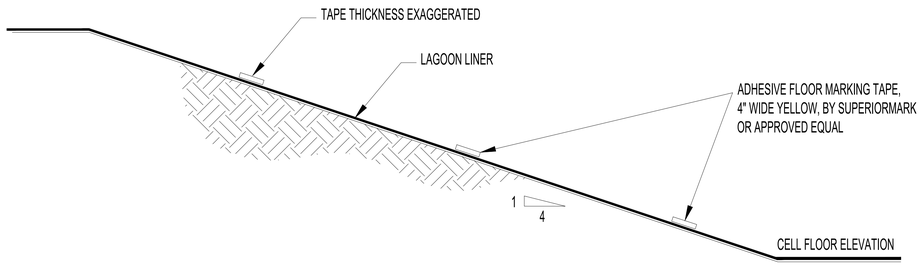
NOT TO SCALE



2 CONCRETE PAD DETAIL

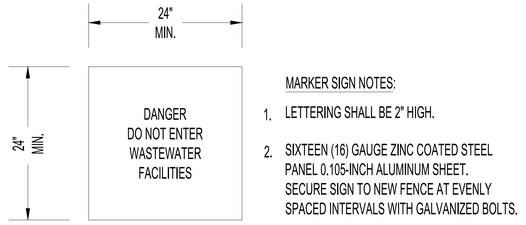
NOT TO SCALE





3 LAGOON LEVEL MARKING TAPE

NOT TO SCALE

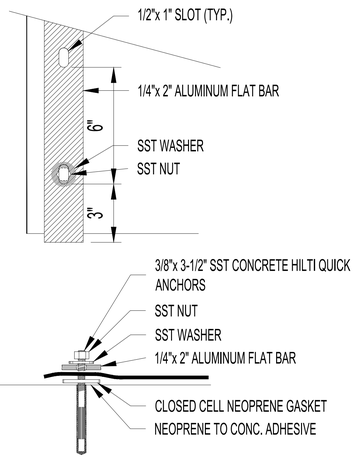


MARKER SIGN NOTES:

1. LETTERING SHALL BE 2" HIGH.
2. SIXTEEN (16) GAUGE ZINC COATED STEEL PANEL 0.105-INCH ALUMINUM SHEET. SECURE SIGN TO NEW FENCE AT EVENLY SPACED INTERVALS WITH GALVANIZED BOLTS.

4 LAGOON WARNING SIGN (2 PER SIDE)

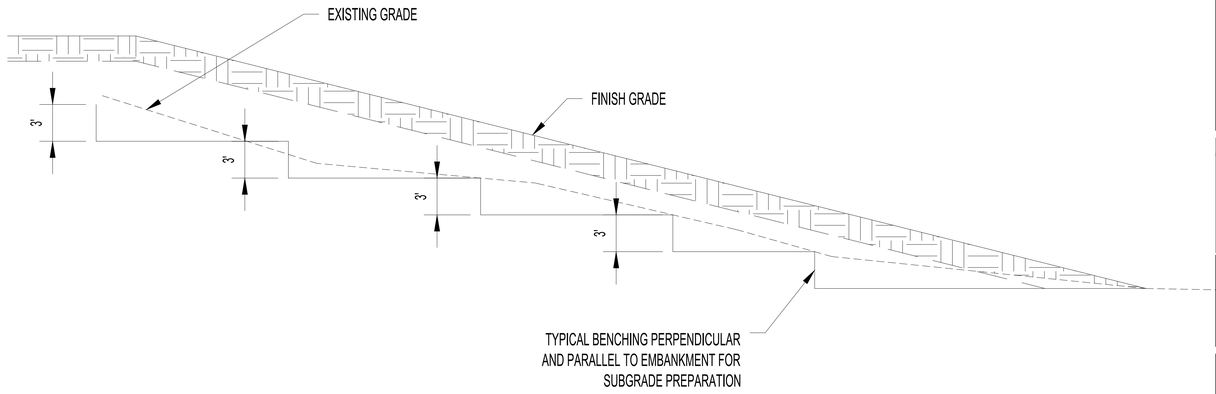
NOT TO SCALE



TYPICAL ANCHOR BOLT ASSEMBLY AT CONCRETE PADS

5

NOT TO SCALE



6 TYPICAL BERM FILL BENCHING

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CHECKED BY:	CEM

SHEET TITLE

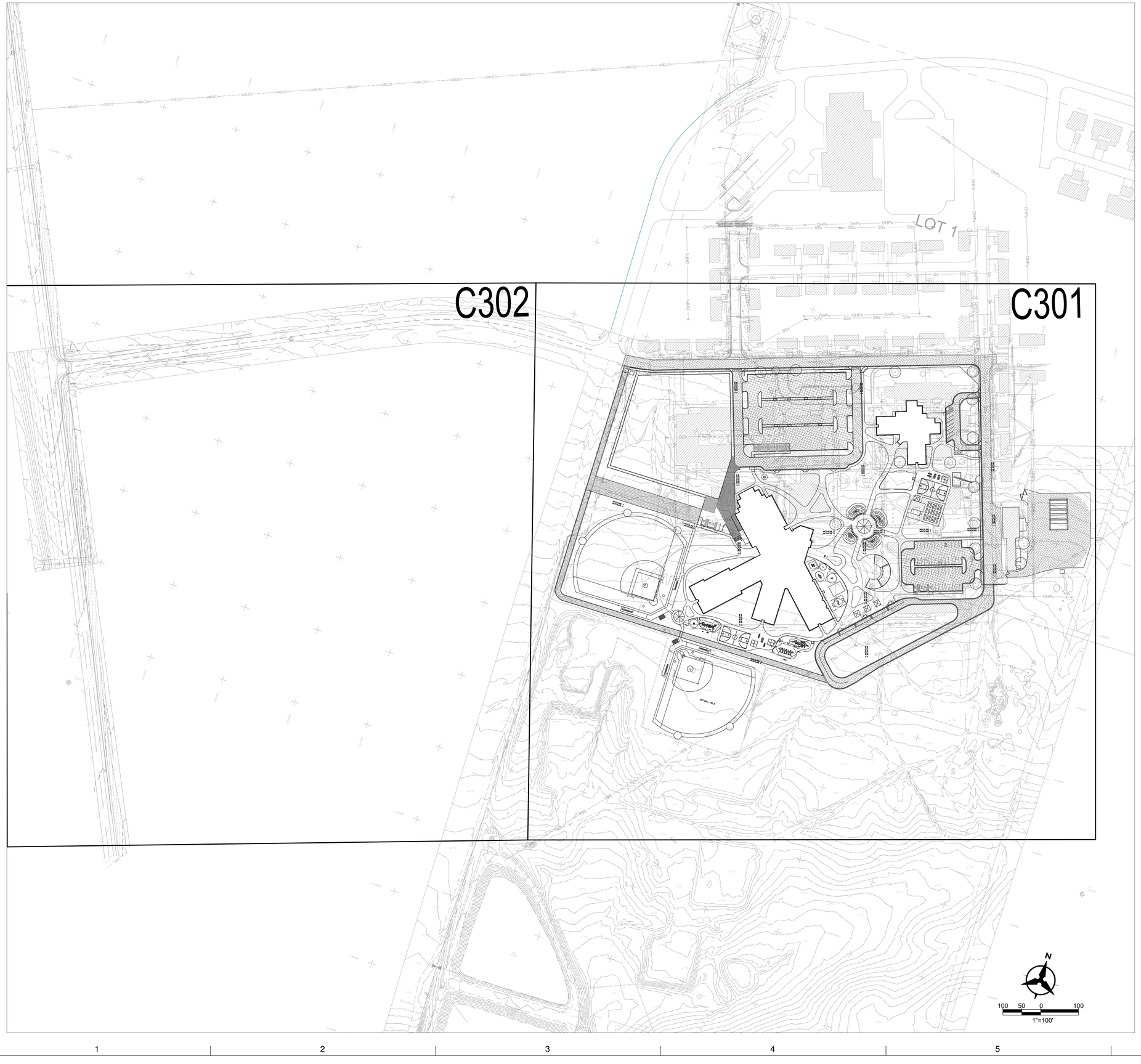
WASTE WATER LAGOON DETAILS 2 OF 2

C253

School Information

08/27/2020

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



#4 @ 18" O.C. EACH WAY
6" PORTLAND CEMENT CONCRETE PAVEMENT (4000 PSI)
8" AGGREGATE BASE COURSE, TYPE I OR TYPE II PER NMDOT STD SPEC SECTION 303
12" SUBGRADE PREPARATION @ 95% MAXIMUM DENSITY PER ASTM D-1557

CONCRETE PAVEMENT SECTION

4" ASPHALT CONCRETE, SP-IV IN TWO 2" LIFTS PER NMDOT STD SPEC SECTION 423
8" AGGREGATE BASE COURSE, TYPE I OR TYPE II PER NMDOT STD SPEC SECTION 303
12" SUBGRADE PREPARATION @ 95% MAXIMUM DENSITY PER ASTM D-1557

HEAVY DUTY (BUS LANES) PAVEMENT SECTION

3" ASPHALT CONCRETE, SP-IV IN ONE LIFT PER NMDOT STD SPEC SECTION 423
7" AGGREGATE BASE COURSE, TYPE I OR TYPE II PER NMDOT STD SPEC SECTION 303
12" SUBGRADE PREPARATION @ 95% MAXIMUM DENSITY PER ASTM D-1557

ACCESS DRIVE PAVEMENT SECTION

6" AGGREGATE BASE COURSE, TYPE I OR TYPE II PER NMDOT STD SPEC SECTION 303
12" SUBGRADE PREPARATION @ 95% MAXIMUM DENSITY PER ASTM D-1557

BASE COURSE SECTION

Bohannan Huston
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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	8/18/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	JTN
CHECKED BY:	OB

SHEET TITLE

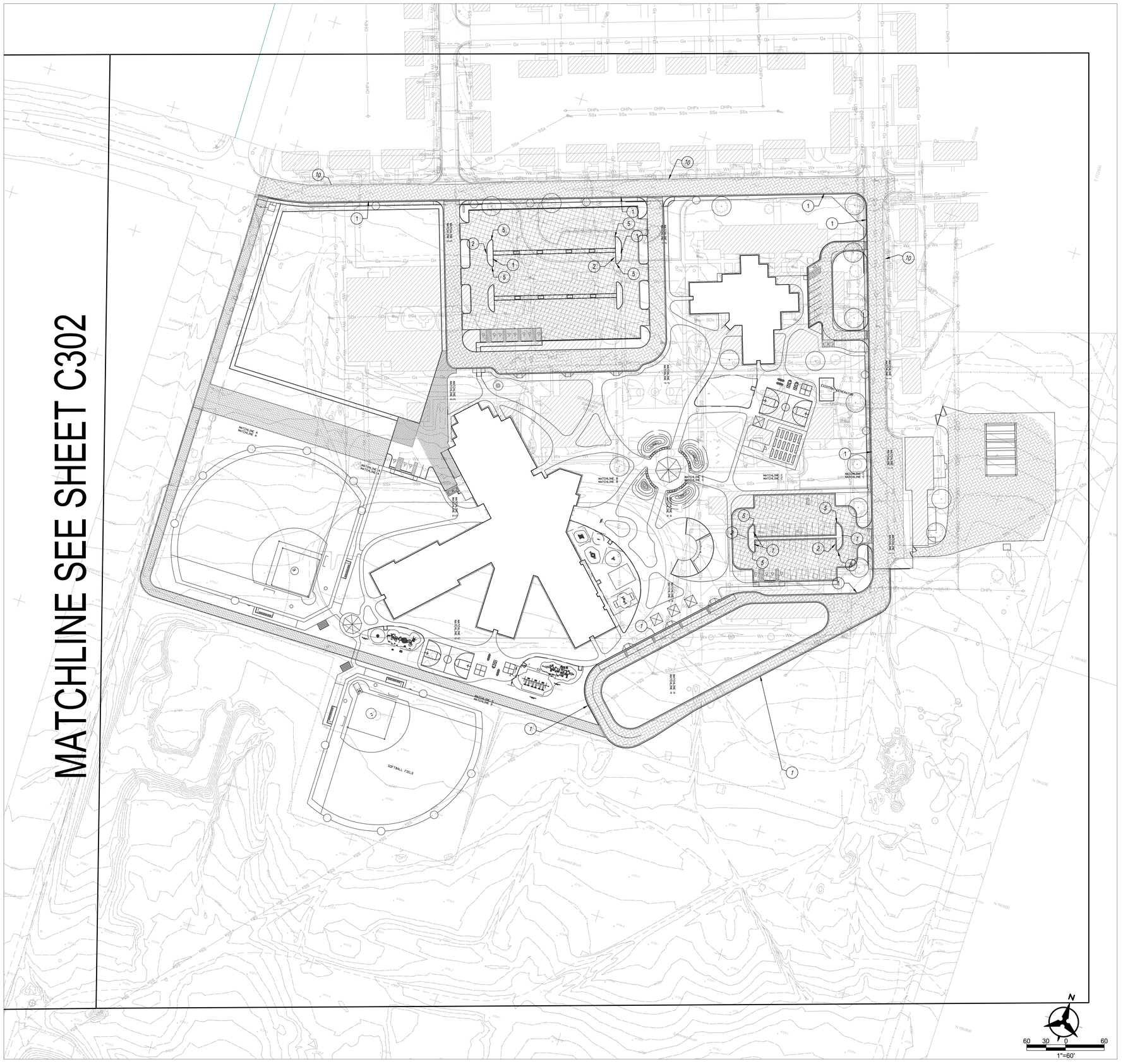
PAVING PLAN

C300

08/27/2020

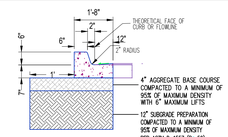
School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

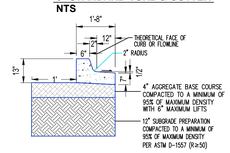


SHEET KEYNOTES

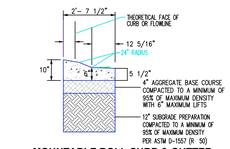
1. INSTALL 6" STANDARD CONCRETE CURB & GUTTER PER DETAIL ON THIS SHEET.
2. INSTALL 6" DEPRESSED CONCRETE CURB & GUTTER PER DETAIL ON THIS SHEET.
3. INSTALL CUT-OFF WALL PER NMAPWA STD DWG 2415B.
4. INSTALL ROLL CURB PER DETAIL ON THIS SHEET.
5. 5' TRANSITION FROM 6" STANDARD CURB & GUTTER TO 6" DEPRESSED CURB AND GUTTER.
6. 5' TRANSITION FOR 6" CURB & GUTTER TO OFFSITE PLANS DETAILS.
7. INSTALL HEADER CURB PER NMAPWA STD DWG 2415B.
8. 5' TRANSITION FROM ROLL CURB TO 6" CURB & GUTTER.
9. INSTALL CONCRETE PAVEMENT PER DETAIL ON SHEET 300..
10. EXISTING CURB & GUTTER. PROTECT IN PLACE.



6" STANDARD CURB & GUTTER
NTS



6" DEPRESSED CURB & GUTTER
NTS



MOUNTABLE ROLL CURB & GUTTER
NTS

GENERAL CURB & GUTTER NOTES:

1. CURBS, GUTTERS AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE.

2. FOR STANDARD AND MEDIAN C & G ADJACENT TO ASPHALT CONCRETE PAVEMENT, PROVIDE CONTRACTION JTS. 12' MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS & AT A MAXIMUM SPACING OF 120' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS., SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES.

3. FOR ALL OTHER C & G & CUT-OFF WALL PROVIDE CONTRACTION JTS. AT 10' MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS & AT A MAXIMUM SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS. SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.

4. FOR C & G CONSTRUCTED WITH PORTLAND CEMENT CONCRETE PAVEMENT, CONTRACTION JTS. AND EXPANSION JTS. SHALL BE THE SAME AS THE PAVEMENT JOINTS.

5. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.

6. REMOVE & REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING ASPHALT CONCRETE PAVEMENT.

7. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.

8. ADA = AMERICANS WITH DISABILITIES ACT.

ACCESS DRIVE PAVEMENT SECTION

HEAVY DUTY PAVEMENT SECTION

BASE COURSE

CONCRETE PAVEMENT

Bohannan Huston
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NOT FOR CONSTRUCTION

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

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CHECKED BY:	OB

SHEET TITLE

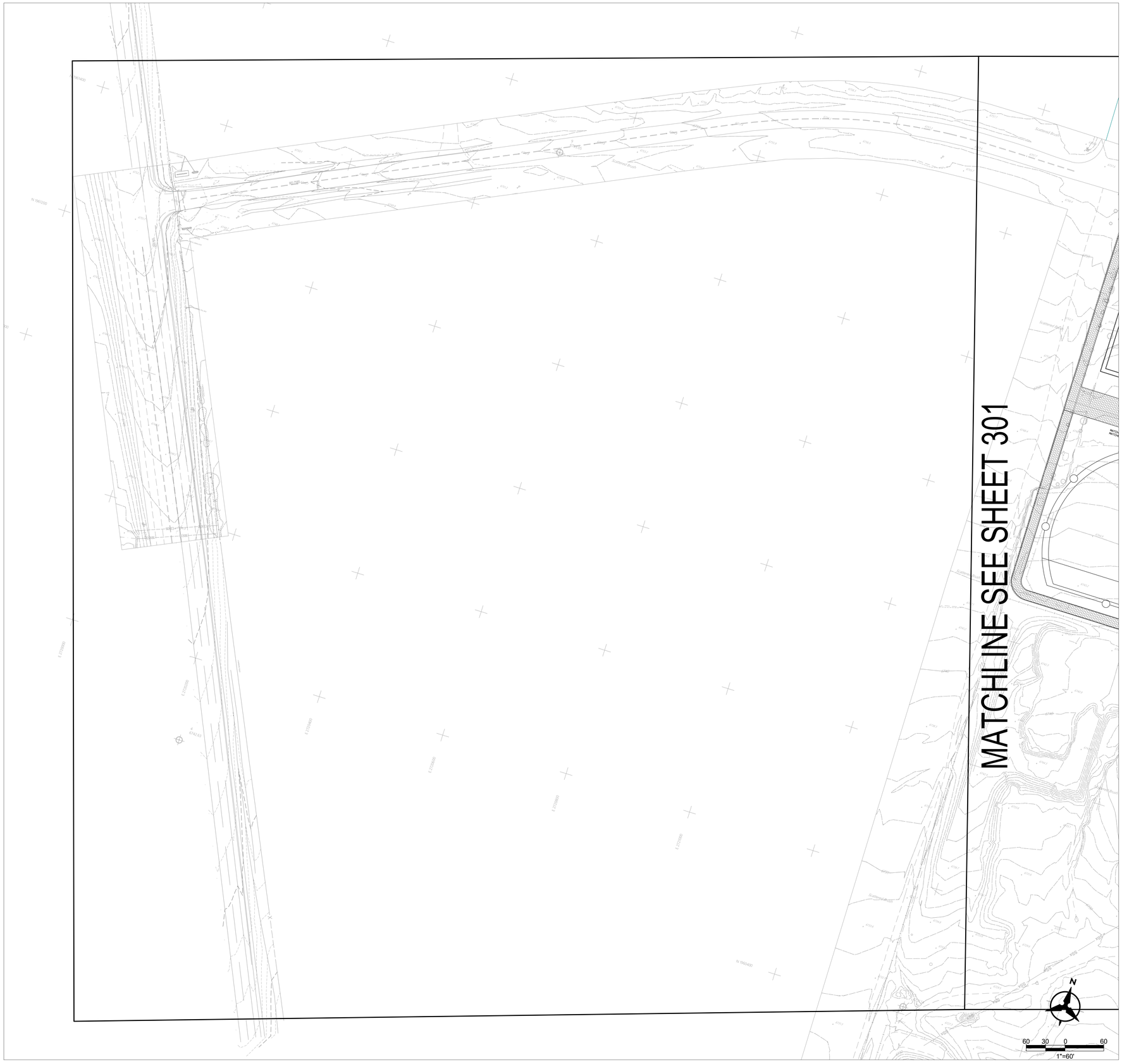
PAVING PLAN

C301

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



SHEET KEYNOTES

1. INSTALL 6" STANDARD CONCRETE CURB & GUTTER PER DETAIL ON SHEET 301 TYP.
2. INSTALL 6" DEPRESSED CONCRETE CURB & GUTTER PER DETAIL ON SHEET 301 TYP.
3. INSTALL CUT-OFF WALL PER NMAPWA STD DWG 2415B.
4. INSTALL ROLL CURB PER DETAIL ON SHEET 301 TYP.
5. 5' TRANSITION FROM 6" STANDARD CURB & GUTTER TO 6" DEPRESSED CURB AND GUTTER.
6. 5' TRANSITION FOR 6" CURB & GUTTER TO OFFSITE PLANS DETAILS.
7. INSTALL HEADER CURB PER NMAPWA STD DWG 2415B.
8. 5' TRANSITION FROM ROLL CURB TO 6" CURB & GUTTER.
9. INSTALL CONCRETE PAVEMENT PER DETAIL ON SHEET 301 TYP.

ACCESS DRIVE PAVEMENT SECTION
HEAVY DUTY PAVEMENT SECTION
BASE COURSE
CONCRETE PAVEMENT

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Bloomfield, NM 87413

OCTOBER 2020

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SHEET TITLE

PAVING PLAN

C302

Bohannan Huston
www.bhinc.com 800.877.5332

08/27/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

KEY MAP - N.T.S.

DEMOLITION HATCH AND SYMBOL LEGEND

- EXISTING CONCRETE PAVEMENT TO BE REMOVED. SEE KEYED NOTE 2.
- EXISTING ASPHALT PAVEMENT TO BE REMOVED. SEE KEYED NOTE 3.
- EXISTING SITE STAIRS AND RAMPS TO BE REMOVED. SEE KEYED NOTE 9.
- EXISTING BUILDING TO BE REMOVED. SEE KEYED NOTE 42.
- PROPOSED BUILDING FOOTPRINT. SEE ARCHITECTURAL.
- SALVAGE EXISTING PLAY EQUIPMENT. SEE EARLY WORK PACKAGE SHEET LEW-102 AND SITE CONSTRUCTION PLAN.
- EXISTING GRAVEL TO BE REMOVED. SEE KEYED NOTE 44.
- EXISTING TREE TO BE REMOVED. SEE KEYED NOTE 11.
- EXISTING TREE TO REMAIN. SEE KEYED NOTE 5.

DEMOLITION LINETYPE LEGEND

- EXISTING PLAYGROUND EDGING TO BE REMOVED. SEE KEYED NOTE 34.
- EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE KEYED NOTE 12.
- EXISTING PIPE RAIL FENCE TO BE REMOVED. SEE KEYED NOTE 35.

DEMOLITION GENERAL NOTES

A. CONTRACTOR SHALL MAINTAIN ALL AREAS ADJACENT TO THE SITE IN A CLEAN CONDITION - MUD, DUST, DEBRIS, AND GRAFFITI FREE AT ALL TIME.

B. CONTRACTOR SHALL FILL AND COMPACT ALL VOIDS CREATED BY DEMOLITION WORK WITH CLEAN BACKFILL MATERIAL. BACKFILL SHALL BE COMPACTED TO 85% MODIFIED PROCTOR IN LANDSCAPE AREAS AND 95% IN PAVED AREAS.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION VERIFICATION, SUPPORT, AND PROTECTION OF ALL ABOVEGROUND AND UNDERGROUND UTILITIES TO REMAIN IN PLACE INCLUDING ANY UTILITIES NOT INDICATED ON CONTRACT DRAWINGS. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO LOCATE UNDERGROUND UTILITIES PRIOR TO COMMENCING THE DEMOLITION WORK. ANY DAMAGE TO EXISTING UTILITIES, INCLUDING THOSE NOT INDICATED ON THE CONTRACT DRAWINGS, RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

D. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING TREES DESIGNATED AS TO REMAIN FROM DAMAGE BY CONSTRUCTION OPERATIONS. ANY TREE DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED WITH A TREE OF THE SAME SPECIES AND SIZE. IF SIZE OF EXISTING TREE IS NOT AVAILABLE CONTRACTOR SHALL REPLACE WITH A 2" CAL. TREE (DECIDUOUS) OF 6' HT. TREE (EVERGREEN) AND SHALL PROVIDE A CREDIT TO THE OWNER FOR THE MONETARY DIFFERENCE IN VALUE. ANY SHRUB DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED BY A SHRUB OF THE SAME SPECIES AND SIZE. IF SIZE OF EXISTING SHRUB IS NOT AVAILABLE CONTRACTOR SHALL REPLACE WITH A 5-GAL SHRUB AND SHALL PROVIDE A CREDIT TO THE OWNER FOR THE MONETARY DIFFERENCE IN VALUE. SEE DETAIL A4/LD-101.

E. CONTRACTOR SHALL COMPLY WITH NFPA 241, 2018 ED.

DEMOLITION KEYED NOTES

1. REMOVE AND DISPOSE OF CONCRETE CURB OR CURB AND GUTTER AS REQUIRED FOR NEW CONSTRUCTION. COORDINATE WITH NEW WORK. SEE SITE CONSTRUCTION PLANS AND GRADING PLANS.
2. REMOVE AND DISPOSE OF CONCRETE PAVEMENT.
3. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
4. REMOVE AND DISPOSE OF EXISTING CMU SITE WALL, INCLUDING FOOTINGS.
5. EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.
6. EXISTING UTILITY YARD AND TRANSFORMER TO REMAIN.
7. EXISTING UTILITY POLE TO REMAIN.
8. EXISTING CURB AND GUTTER TO REMAIN.
9. REMOVE AND DISPOSE OF EXISTING CONCRETE STAIRS, RAMP AND HANDRAILS, INCLUDING FOOTINGS.
10. SALVAGE AND STOCKPILE MUSTANG SCULPTURE. REMOVE AND DISPOSE OF CONCRETE BASE AND FOOTING. SALVAGE AND STOCKPILE EXISTING PLANTS. MAINTAIN IN GOOD HEALTH UNTIL RE-PLANTED. SEE PLANTING PLAN.
11. REMOVE AND DISPOSE OF EXISTING TREE. GRIND AND REMOVE STUMP AND ROOTS TO MIN. 18" DEPTH. BACKFILL VOID LEFT BY GRINDING WITH CLEAN FILL. FILL MATERIAL TO BE APPROVED BY OWNER'S REPRESENTATIVE.
12. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE INCLUDING FOOTINGS. LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.
13. EXISTING FIRE HYDRANT TO REMAIN.
14. REMOVE AND DISPOSE OF EXISTING LANDSCAPE, INCLUDING SHRUBS, MULCH, IRRIGATION EQUIPMENT AND OTHER MATERIAL.
15. EXISTING UTILITY TO REMAIN.
16. EXISTING LANDSCAPE TO REMAIN.
17. CLEAR AND GRUB EXISTING VEGETATION. REMOVE ROOTS TO A DEPTH OF 6", AS PART OF CLEARING AND GRUBBING OPERATIONS, CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY DEBRIS ENCOUNTERED.
18. REMOVE AND DISPOSE OF EXISTING CANOPY AND STRUCTURE INCLUDING FOOTINGS.
19. REMOVE AND DISPOSE OF EXISTING LIGHTPOLE AND FOOTING.
20. SALVAGE AND STOCKPILE EXISTING GREEN HOUSE FOR REUSE. SEE SITE CONSTRUCTION PLAN.
21. REMOVE AND DISPOSE OF CHAIN LINK GATE AND POSTS, INCLUDING FOOTINGS.
22. REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT. SEE UTILITY DEMOLITION PLANS.
23. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND FOOTING.
24. REMOVE AND DISPOSE OF EXISTING POST AND FOOTING.
25. REMOVE AND DISPOSE OF EXISTING BASKETBALL POST AND FOOTING.
26. EXISTING CHAIN LINK FENCE TO REMAIN.
27. REMOVE AND DISPOSE OF EXISTING CONCRETE LOADING DOCK STRUCTURE, PIPE RAIL FENCING AND FOOTINGS.
28. REMOVE AND DISPOSE OF EXISTING DUGOUT, INCLUDING WALLS, ROOF, SLAB AND FOOTINGS.
29. SALVAGE TO OWNER EXISTING STORAGE CONTAINER.
30. EXISTING P.I.V. TO BE RELOCATED. SEE UTILITY PLANS.
31. EXISTING PLAY EQUIPMENT TO REMAIN. CONTRACTOR SHALL PROTECT FROM DAMAGE FROM DEMOLITION AND CONSTRUCTION OPERATIONS. ANY DAMAGE SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO OWNER BY CONTRACTOR. SEE PLAY EQUIPMENT GENERAL NOTES, SHEET LS-504.
32. REMOVE AND DISPOSE OF EXISTING PLAY EQUIPMENT INCLUDING FOOTINGS.
33. REMOVE AND DISPOSE OF EXISTING SITE EQUIPMENT AND EDGING.
34. REMOVE AND DISPOSE OF EXISTING PLAYGROUND EDGING.
35. REMOVE AND DISPOSE OF EXISTING PIPE RAIL FENCE INCLUDING FOOTINGS.
36. REMOVE AND DISPOSE OF EXISTING RAISED PLANTER BED.
37. REMOVE AND DISPOSE OF EXISTING BENCH AND FOOTINGS.
38. SALVAGE EXISTING STORAGE SHED TO OWNER.
39. SALVAGE DUMPSTERS TO OWNER.
40. SALVAGE AND STOCKPILE EXISTING SECURITY STRUCTURE FOR REUSE. SEE SHEET LS-102.
41. REMOVE AND DISPOSE OF EXISTING YARD HYDRANT. CAP EXISTING WATER LINE AND ABANDON IN PLACE. SEE UTILITY PLAN.
42. REMOVE AND DISPOSE OF BUILDING IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO: WALLS, ROOF, STRUCTURE, MECHANICAL, ELECTRICAL, PLUMBING, SLAB AND FOOTINGS. CAP OFF ALL UTILITY LINES AS NECESSARY. SEE UTILITY DEMOLITION PLANS, SITE CONSTRUCTION PLANS AND ARCHITECTURAL PLANS.
43. REMOVE AND DISPOSE OF EXISTING EXERCISE EQUIPMENT INCLUDING SURFACING, FOOTINGS, ETC. FILL AND COMPACT ALL VOIDS. FILL MATERIAL TO BE APPROVED BY OWNER'S REPRESENTATIVE.
44. REMOVE AND DISPOSE OF EXISTING GRAVEL.
45. SALVAGE AND STOCKPILE EXISTING CONCRETE PARKING BUMPERS. SEE SITE CONSTRUCTION PLAN.
46. EXISTING LIGHT POLE TO REMAIN.
47. EXISTING CHAIN LINK GATE TO REMAIN.
48. REMOVE AND DISPOSE OF EXISTING AIR HANDLING UNIT.
49. SALVAGE AND RETURN EXISTING BLEACHERS TO OWNER.
50. EXISTING MAINTENANCE BUILDING TO REMAIN. SEE ARCHITECTURAL.
51. EXISTING MAINTENANCE SHED TO REMAIN.
52. EXISTING CONCRETE PAVEMENT TO REMAIN.
53. EXISTING SITE WALL TO REMAIN.
54. EXISTING TANK TO REMAIN.
55. EXISTING STRUCTURE TO REMAIN.

A1 SITE DEMOLITION PLAN

SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

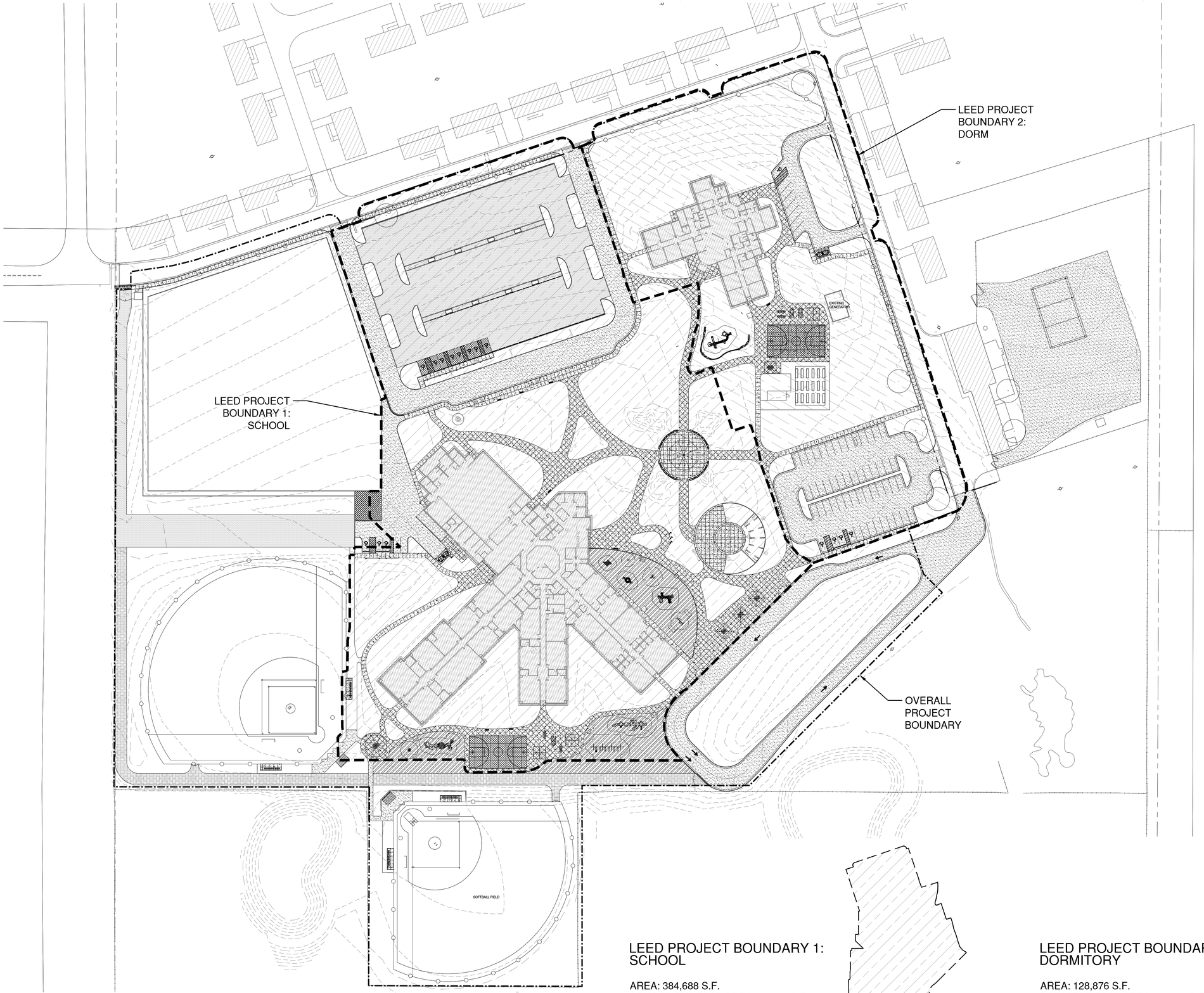
SHEET TITLE

SITE DEMOLITION PLAN

LD-101

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



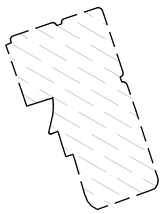
LEED PROJECT BOUNDARY 1: SCHOOL

AREA: 384,688 S.F.
SCHOOL BUILDING AREA: 59,192 S.F.

KEY MAP - N.T.S.

LEED PROJECT BOUNDARY 2: DORMITORY

AREA: 128,876 S.F.
DORM BUILDING AREA: 14,198 S.F.



KEY MAP - N.T.S.

A1 OVERALL SITE CONSTRUCTION PLAN

0 50' 100'

SCALE: 1" = 50'

5/14/2020

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CHECKED BY:	WM

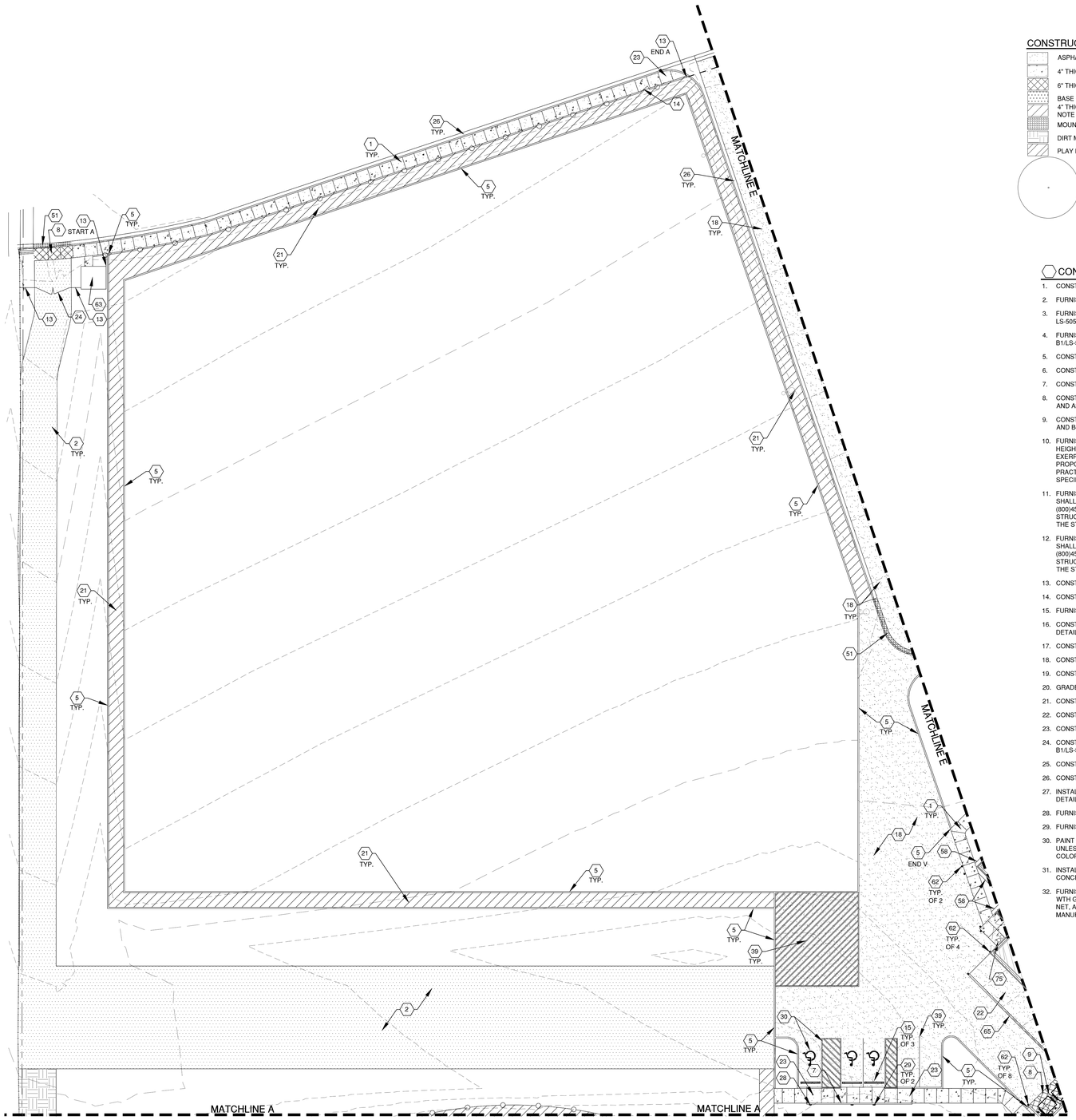
SHEET TITLE

OVERALL SITE CONSTRUCTION PLAN

LS-100

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

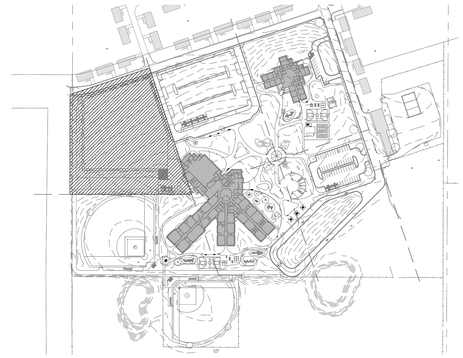


A1 SITE CONSTRUCTION PLAN

SCALE: 1" = 20'

CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2.
- 4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
- EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.



KEY MAP - N.T.S.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
5. CONSTRUCT 6"X6" CONCRETE MOW CURB. SEE DETAIL B4/LS-501
6. CONSTRUCT CONCRETE FLUSH HEADER CURB. SEE DETAIL E2/LS-501.
7. CONSTRUCT CONCRETE HEADER CURB. SEE DETAIL E5/LS-501.
8. CONSTRUCT 6" THICK REINFORCED CONCRETE PAVEMENT. SEE DETAILS D1/LS-501 AND A3/LS-502.
9. CONSTRUCT CMU DUMPSTER AND RECYCLING ENCLOSURE. SEE DETAILS D1/LS-503 AND B4/LS-503. DUMPSTERS BY OWNER, N.I.C.
10. FURNISH AND INSTALL 18'X18' FABRIC HIP ROOF SHADE STRUCTURE WITH 12' EAVE HEIGHT. STRUCTURE SHALL BE COOLTOPPERS MODEL #159881 AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
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13. CONSTRUCT 6' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
14. CONSTRUCT 4' WIDE BY 6' HEIGHT CHAIN LINK PERSON GATE. SEE DETAIL A2/LS-501.
15. FURNISH AND INSTALL CONCRETE PARKING BUMPER. SEE DETAIL B5/LS-501.
16. CONSTRUCT CHAIN LINK DUGOUT INCLUDING CONCRETE PAD AND BENCHES. SEE DETAIL A1/LS-507
17. CONSTRUCT 20' HEIGHT CHAIN LINK BACKSTOP. SEE STRUCTURAL.
18. CONSTRUCT ASPHALT PAVEMENT. SEE CIVIL.
19. CONSTRUCT 6' HT CHAIN LINK SLIDING VEHICULAR GATE. SEE DETAIL A1/LS-503.
20. GRADE AND COMPACT DIRT MAINTENANCE ROAD.
21. CONSTRUCT COMPACTED CRUSHER FINE PATH. SEE DETAIL A5/LS-502.
22. CONSTRUCT LOADING DOCK RAMP AND RETAINING WALL. SEE CIVIL.
23. CONSTRUCT ACCESSIBLE RAMP. SEE CIVIL.
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27. INSTALL PARKING BUMPER SALVAGED DURING SITE DEMOLITION OPERATIONS. SEE DETAIL B5/LS-501.
28. FURNISH AND INSTALL VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
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30. PAINT ACCESSIBLE PARKING SYMBOL AND STRIPING. STRIPING SHALL BE 4" IN WIDTH UNLESS SPECIFIED OTHERWISE. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. COLOR: BLUE. SEE DETAIL A4/LS-501
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32. FURNISH AND INSTALL BASKETBALL GOAL. GOAL SHALL BE MODEL 1572, 5' OFFSET WTH GALVANIZED POST, INCLUDING GOAL FOR METAL CHAIN NET AND METAL CHAIN NET, AS AVAILABLE FROM PW ATHLETIC, (800) 687-5768. EMBED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL A4/LS-502.
33. PAINT BASKETBALL COURT STRIPING. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. SEE DETAIL A1/LS-502.
34. PAINT FOUR SQUARE STRIPING. SEE DETAIL C5/LS-501.
35. PAINT HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
36. PAINT ENGLISH/ARCHED HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
37. CONSTRUCT 3'X12'X1' RAISED GARDEN BED. SEE DETAIL E5/LS-502.
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40. INSTALL PLAYGROUND EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS. SEE PLAYGROUND DRAWINGS, SHEET LS-504.
41. CONSTRUCT 4' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
42. FURNISH AND INSTALL FENCE CAP. CAP SHALL BE POLYCAP MODEL 1270-25 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. ATTACH TO FENCE WITH MODEL 1270-15 NYLON TIES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
43. FURNISH AND INSTALL 20' HEIGHT FOUL POLE WITH 18" FLAG. POLE SHALL BE MODEL 1273 3-1/2" DIAMETER POLE AS AVAILABLE FROM PW ATHLETIC (800)687-5768. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL C5/LS-507.
44. CONSTRUCT PITCHERS MOUND. SEE DETAIL A5/LS-507.
45. INSTALL 4" DEPTH INFIELD MIX OVER COMPACTED SUBGRADE.
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49. FURNISH AND INSTALL DOUBLE BASE. DOUBLE BASE SHALL BE MODEL 8505-00 DOUBLE FIRST BASE AND ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D2/LS-507.
50. FURNISH AND INSTALL BLEACHERS. BLEACHERS SHALL BE MODEL 1171-4156 - 4-ROW 15' GALVANIZED FRAME WITHOUT GUARDRAIL AS AVAILABLE FROM PW ATHLETIC (800)687-5768 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
51. CONSTRUCT MOUNTABLE CONCRETE CURB. SEE DETAIL E1/LS-501.
52. CONSTRUCT PLAYGROUND ACCESS RAMP. SEE DETAIL B2/LS-501.
53. FURNISH AND INSTALL DIGITAL LED SIGN. SIGN SHALL BE STEWART MODEL DAYSTAR DEFENDER AS AVAILABLE FROM STEWART SIGNS (800)237-3928 OR APPROVED EQUAL. PEDESTAL MOUNT PER MANUFACTURER'S SPECIFICATION. LOCATION SHOWN IS APPROXIMATE. VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. SEE ELECTRICAL AND DETAIL B2/LS-503.
54. FURNISH AND INSTALL 25' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR25C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800)527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
55. FURNISH AND INSTALL 30' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR30C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800) 527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
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65. CONSTRUCT CONCRETE RETAINING WALL. SEE CIVIL.
66. CONSTRUCT CRUSHER FINE WARNING TRACK.
67. BASE LINES SHOWN FOR REFERENCE ONLY. N.I.C.
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ARCHITECT

Dził-Na-O-Dith-Hle Community School "FOR EACH CHILD BECOME"

Dzilth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

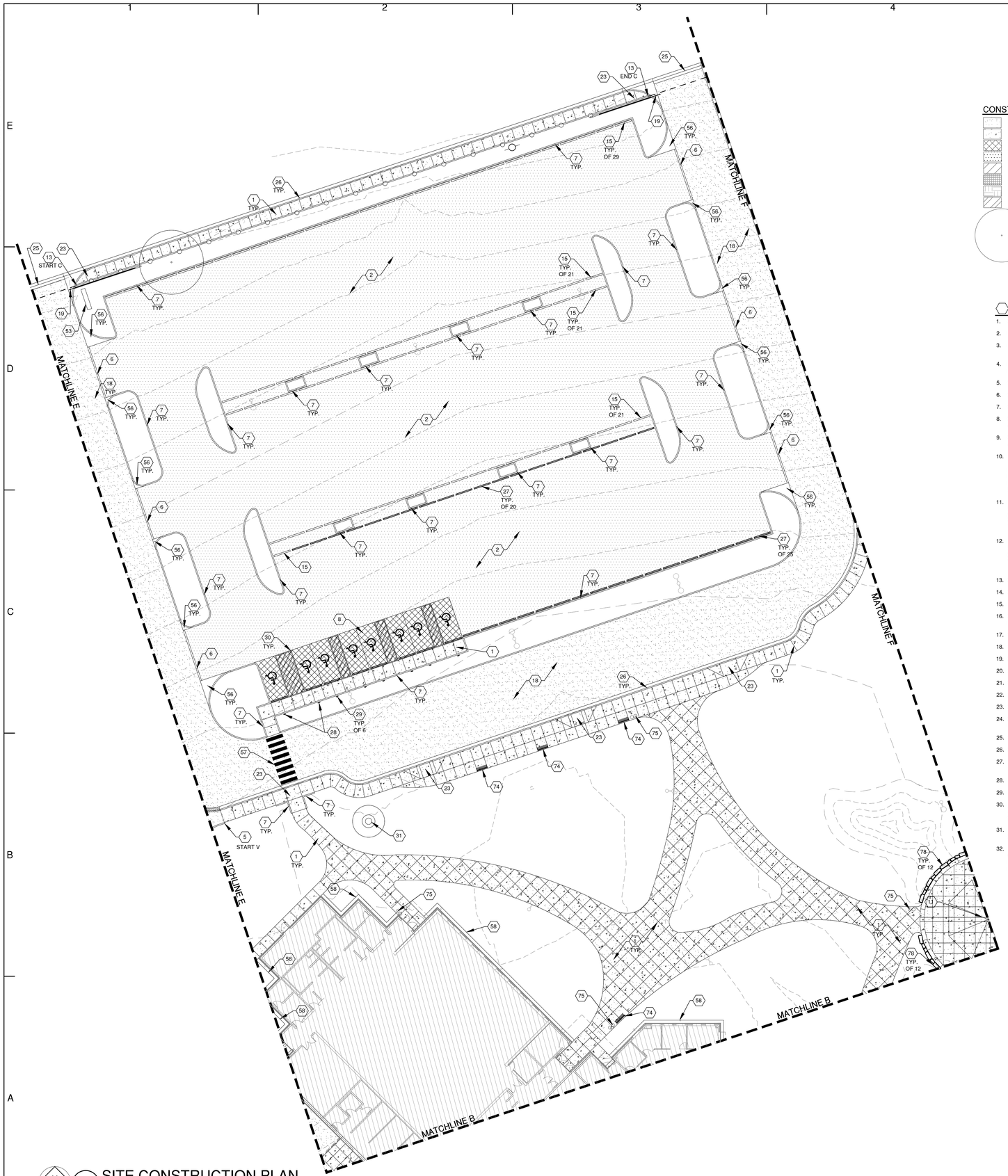
SITE CONSTRUCTION PLAN

LS-101

5/14/2020

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



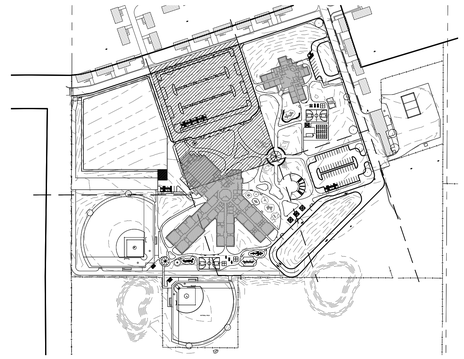
A1 SITE CONSTRUCTION PLAN

SCALE: 1" = 20'

5/14/2020

CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2.
  4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
- EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.



KEY MAP - N.T.S.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
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One Park Square
6501 Americas Pkwy NE, Ste. 350
Albuquerque, NM 87110
p_ 505.212.9126

Civil
Bohannan & Huston
7500 Jefferson Street NE
Albuquerque, NM, 87109
p_505.823.1000

M/E/P
Bridgers & Paxton
4600 C Montgomery Blvd. NE
Albuquerque, NM, 87109
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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

SITE CONSTRUCTION PLAN

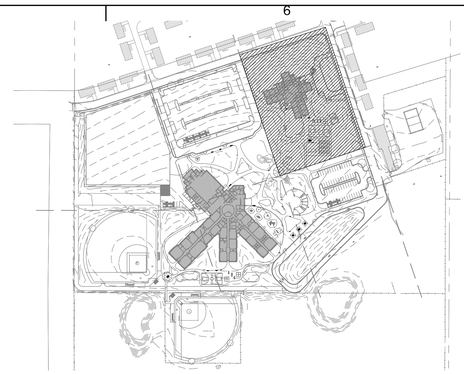
LS-102

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2. 4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
- EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.



KEY MAP - N.T.S.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
5. CONSTRUCT 6"X6" CONCRETE MOW CURB. SEE DETAIL B4/LS-501
6. CONSTRUCT CONCRETE FLUSH HEADER CURB. SEE DETAIL E2/LS-501.
7. CONSTRUCT CONCRETE HEADER CURB. SEE DETAIL E5/LS-501.
8. CONSTRUCT 6" THICK REINFORCED CONCRETE PAVEMENT. SEE DETAILS D1/LS-501 AND A3/LS-502.
9. CONSTRUCT CMU DUMPSTER AND RECYCLING ENCLOSURE. SEE DETAILS D1/LS-503 AND B4/LS-503. DUMPSTERS BY OWNER, N.I.C.
10. FURNISH AND INSTALL 18'X18' FABRIC HIP ROOF SHADE STRUCTURE WITH 12' EAVE HEIGHT. STRUCTURE SHALL BE COOLTOPPERS MODEL #159881 AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
11. FURNISH AND INSTALL 35' OCTAGONAL STEEL SHADE STRUCTURE. STRUCTURE SHALL BE 'OREGON' MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
12. FURNISH AND INSTALL 25' OCTAGONAL STEEL SHADE STRUCTURE. STRUCTURE SHALL BE 'OREGON' MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444.CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
13. CONSTRUCT 6' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
14. CONSTRUCT 4' WIDE BY 6' HEIGHT CHAIN LINK PERSON GATE. SEE DETAIL A2/LS-501.
15. FURNISH AND INSTALL CONCRETE PARKING BUMPER. SEE DETAIL B5/LS-501.
16. CONSTRUCT CHAIN LINK DUGOUT INCLUDING CONCRETE PAD AND BENCHES. SEE DETAIL A1/LS-507
17. CONSTRUCT 20' HEIGHT CHAIN LINK BACKSTOP. SEE STRUCTURAL.
18. CONSTRUCT ASPHALT PAVEMENT. SEE CIVIL.
19. CONSTRUCT 6' HT CHAIN LINK SLIDING VEHICULAR GATE. SEE DETAIL A1/LS-503.
20. GRADE AND COMPACT DIRT MAINTENANCE ROAD.
21. CONSTRUCT COMPACTED CRUSHER FINE PATH. SEE DETAIL A5/LS-502.
22. CONSTRUCT LOADING DOCK RAMP AND RETAINING WALL. SEE CIVIL.
23. CONSTRUCT ACCESSIBLE RAMP. SEE CIVIL.
24. CONSTRUCT 6' HT CHAIN LINK DOUBLE SWING VEHICULAR GATE. SEE DETAIL B1/LS-502.
25. CONSTRUCT CONCRETE VALLEY GUTTER. SEE CIVIL.
26. CONSTRUCT CONCRETE CURB AND GUTTER. SEE CIVIL.
27. INSTALL PARKING BUMPER SALVAGED DURING SITE DEMOLITION OPERATIONS. SEE DETAIL B5/LS-501.
28. FURNISH AND INSTALL VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
29. FURNISH AND INSTALL ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
30. PAINT ACCESSIBLE PARKING SYMBOL AND STRIPING. STRIPING SHALL BE 4" IN WIDTH UNLESS SPECIFIED OTHERWISE. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. COLOR: BLUE. SEE DETAIL A4/LS-501
31. INSTALL MUSTANG SCULPTURE SALVAGED DURING DEMOLITION OPERATIONS ON CONCRETE PLINTH. SEE DETAIL B4/LS-503.
32. FURNISH AND INSTALL BASKETBALL GOAL. GOAL SHALL BE MODEL 1572, 5' OFFSET WITH GALVANIZED POST, INCLUDING GOAL FOR METAL CHAIN NET AND METAL CHAIN NET, AS AVAILABLE FROM PW ATHLETIC, (800) 687-5768. EMBED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL A4/LS-502.
33. PAINT BASKETBALL COURT STRIPING. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. SEE DETAIL A1/LS-502.
34. PAINT FOUR SQUARE STRIPING. SEE DETAIL C5/LS-501.
35. PAINT HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
36. PAINT ENGLISH/ARCHED HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
37. CONSTRUCT 3'X12'X1' RAISED GARDEN BED. SEE DETAIL E5/LS-502.
38. INSTALL GREEN HOUSE SALVAGED DURING DEMOLITION OPERATIONS. SEE DETAIL E3/LS-502.
39. PAINT PARKING LOT STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
40. INSTALL PLAYGROUND EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS. SEE PLAYGROUND DRAWINGS, SHEET LS-504.
41. CONSTRUCT 4' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
42. FURNISH AND INSTALL FENCE CAP. CAP SHALL BE POLYCAP MODEL 1270-25 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. ATTACH TO FENCE WITH MODEL 1270-15 NYLON TIES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
43. FURNISH AND INSTALL 20' HEIGHT FOUL POLE WITH 18" FLAG. POLE SHALL BE MODEL 1273 3-1/2" DIAMETER POLE AS AVAILABLE FROM PW ATHLETIC (800)687-5768. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL C5/LS-507.
44. CONSTRUCT PITCHERS MOUND. SEE DETAIL A5/LS-507.
45. INSTALL 4" DEPTH INFIELD MIX OVER COMPACTED SUBGRADE.
46. FURNISH AND INSTALL HOME PLATE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. PLATE SHALL BE MODEL 8500-00 HOME PLATE WITH ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D5/LS-507.
47. FURNISH AND INSTALL BASE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. BASE SHALL BE MODEL 8503-00 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D1/LS-507.
48. FURNISH AND INSTALL PITCHING RUBBER. RUBBER SHALL BE MODEL 8510-00 FOUR-WAY PITCHING RUBBER AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL E1/LS-507.
49. FURNISH AND INSTALL DOUBLE BASE. DOUBLE BASE SHALL BE MODEL 8505-00 DOUBLE FIRST BASE AND ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D2/LS-507.
50. FURNISH AND INSTALL BLEACHERS. BLEACHERS SHALL BE MODEL 1171-4156 - 4-ROW 15' GALVANIZED FRAME WITHOUT GUARDRAIL AS AVAILABLE FROM PW ATHLETIC (800)687-5768 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
51. CONSTRUCT MOUNTABLE CONCRETE CURB. SEE DETAIL E1/LS-501.
52. CONSTRUCT PLAYGROUND ACCESS RAMP. SEE DETAIL B2/LS-501.
53. FURNISH AND INSTALL DIGITAL LED SIGN. SIGN SHALL BE STEWART MODEL DAYSTAR DEFENDER AS AVAILABLE FROM STEWART SIGNS (800)237-3928 OR APPROVED EQUAL. PEDESTAL MOUNT PER MANUFACTURER'S SPECIFICATION. LOCATION SHOWN IS APPROXIMATE. VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. SEE ELECTRICAL AND DETAIL B2/LS-503.
54. FURNISH AND INSTALL 25' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR25C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800)527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
55. FURNISH AND INSTALL 30' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR30C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800) 527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
56. CONSTRUCT CONCRETE CURB & GUTTER CORNER. SEE CIVIL.
57. PAINT 18" X 8' CROSSWALK STRIPES @ 36" O.C. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
58. CONSTRUCT 18" CONCRETE MOWSTRIP. SEE DETAIL A3/LS-502.
59. CONSTRUCT TURN DOWN EDGE AT PLAY AREA. SEE DETAIL B1/LS-501.
60. EXISTING PLAYGROUND EQUIPMENT TO REMAIN.
61. FURNISH AND INSTALL 4' HT SINGLE SWING GATE. SEE DETAIL B1/LS-503.
62. FURNISH AND INSTALL CONCRETE-FILLED STEEL BOLLARD. SEE DETAIL D1/LS-503.
63. INSTALL SECURITY SHED SALVAGED DURING DEMOLITION OPERATIONS. SEE FOOTING DETAIL E3/LS-502.
64. CONSTRUCT 8' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
65. CONSTRUCT CONCRETE RETAINING WALL. SEE CIVIL.
66. CONSTRUCT CRUSHER FINE WARNING TRACK.
67. BASE LINES SHOWN FOR REFERENCE ONLY. N.I.C.
68. OUTDOOR CAN WASH SINK. SEE PLUMBING.
69. BUS DROP OFF STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: YELLOW.
70. CONSTRUCT 4' HEIGHT VINYL-COATED CHAIN LINK FENCE. VINYL-COATED FENCE COLOR SHALL BE BLACK. SEE DETAIL A1/LS-501.
71. FURNISH AND INSTALL SEMI-CIRCULAR STEEL SHADE STRUCTURE. STRUCTURE SHALL BE A CUSTOM MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
72. FURNISH AND INSTALL COVERED STEEL BUS PARKING STRUCTURE. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE ARCHITECTURAL AND STRUCTURAL.
73. TABLE WITH BENCHES TO BE FURNISHED BY OWNER. N.I.C.
74. BENCH TO BE FURNISHED BY OWNER. N.I.C.
75. TRASH/RECYCLE RECEPTACLE TO BE FURNISHED BY OWNER. N.I.C.
76. CONSTRUCT 8' HT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
77. CONSTRUCT 4' HT CHAIN LINK DOUBLE SWING MAINTENANCE GATE. SEE DETAIL D1/LS-502.
78. FURNISH AND INSTALL TABULAR BOULDER. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

A1 SITE CONSTRUCTION PLAN

0 20' 40'

SCALE: 1" = 20'

5/14/2020

fbt | architects

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Albuquerque, NM 87110

PHO: 505.883.5200
FAX: 505.884.5390
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ARCHITECT

Dził-Na-O-Dith-Hle Community School
"Love Each Child's Success"

Dził-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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PROJECT NO:	
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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

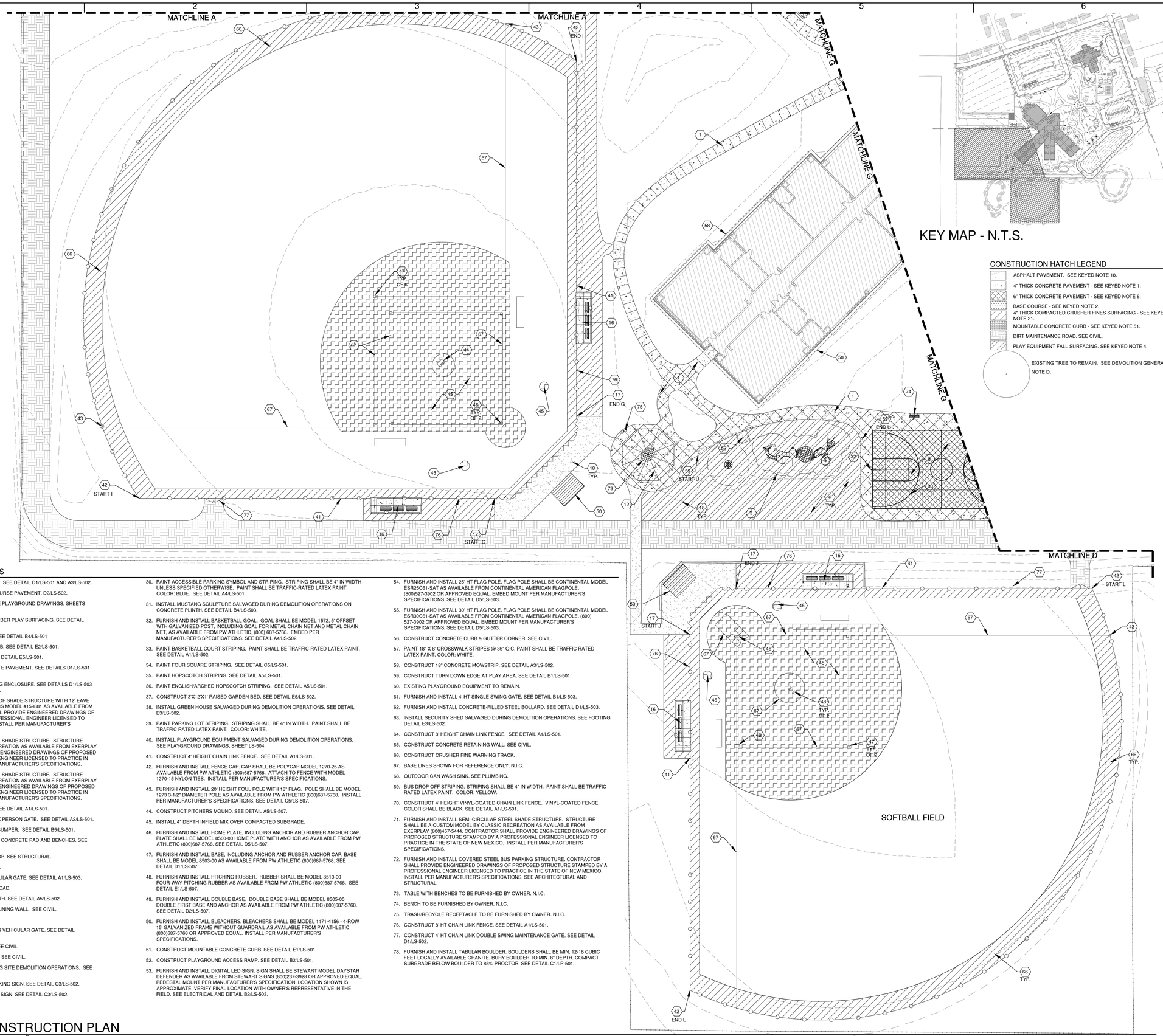
SHEET TITLE

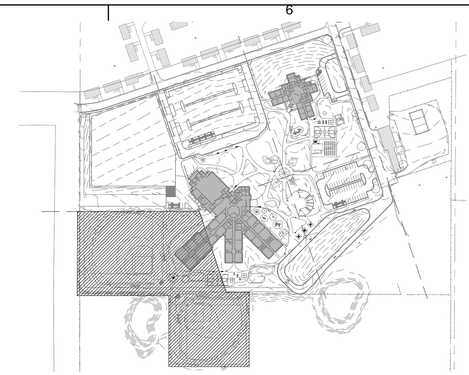
SITE CONSTRUCTION PLAN

LS-103

Dził-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL





KEY MAP - N.T.S.

CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2. 4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
- EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
5. CONSTRUCT 6"X6" CONCRETE MOW CURB. SEE DETAIL B4/LS-501
6. CONSTRUCT CONCRETE FLUSH HEADER CURB. SEE DETAIL E2/LS-501.
7. CONSTRUCT CONCRETE HEADER CURB. SEE DETAIL E5/LS-501.
8. CONSTRUCT 6" THICK REINFORCED CONCRETE PAVEMENT. SEE DETAILS D1/LS-501 AND A3/LS-502.
9. CONSTRUCT CMU DUMPSTER AND RECYCLING ENCLOSURE. SEE DETAILS D1/LS-503 AND B4/LS-503. DUMPSTERS BY OWNER, N.I.C.
10. FURNISH AND INSTALL 18'X18' FABRIC HIP ROOF SHADE STRUCTURE WITH 12' EAVE HEIGHT, STRUCTURE SHALL BE COOLTOPPERS MODEL #159881 AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
11. FURNISH AND INSTALL 35' OCTAGONAL STEEL SHADE STRUCTURE. STRUCTURE SHALL BE 'OREGON' MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
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13. CONSTRUCT 6' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
14. CONSTRUCT 4' WIDE BY 6' HEIGHT CHAIN LINK PERSON GATE. SEE DETAIL A2/LS-501.
15. FURNISH AND INSTALL CONCRETE PARKING BUMPER. SEE DETAIL B5/LS-501.
16. CONSTRUCT CHAIN LINK DUGOUT INCLUDING CONCRETE PAD AND BENCHES. SEE DETAIL A1/LS-507
17. CONSTRUCT 20' HEIGHT CHAIN LINK BACKSTOP. SEE STRUCTURAL.
18. CONSTRUCT ASPHALT PAVEMENT. SEE CIVIL.
19. CONSTRUCT 6' HT CHAIN LINK SLIDING VEHICULAR GATE. SEE DETAIL A1/LS-503.
20. GRADE AND COMPACT DIRT MAINTENANCE ROAD.
21. CONSTRUCT COMPACTED CRUSHER FINE PATH. SEE DETAIL A5/LS-502.
22. CONSTRUCT LOADING DOCK RAMP AND RETAINING WALL. SEE CIVIL.
23. CONSTRUCT ACCESSIBLE RAMP. SEE CIVIL.
24. CONSTRUCT 6' HT CHAIN LINK DOUBLE SWING VEHICULAR GATE. SEE DETAIL B1/LS-502.
25. CONSTRUCT CONCRETE VALLEY GUTTER. SEE CIVIL.
26. CONSTRUCT CONCRETE CURB AND GUTTER. SEE CIVIL.
27. INSTALL PARKING BUMPER SALVAGED DURING SITE DEMOLITION OPERATIONS. SEE DETAIL B5/LS-501.
28. FURNISH AND INSTALL VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
29. FURNISH AND INSTALL ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
30. PAINT ACCESSIBLE PARKING SYMBOL AND STRIPING. STRIPING SHALL BE 4" IN WIDTH UNLESS SPECIFIED OTHERWISE. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. COLOR: BLUE. SEE DETAIL A4/LS-501
31. INSTALL MUSTANG SCULPTURE SALVAGED DURING DEMOLITION OPERATIONS ON CONCRETE PLINTH. SEE DETAIL B4/LS-503.
32. FURNISH AND INSTALL BASKETBALL GOAL. GOAL SHALL BE MODEL 1572, 5' OFFSET WTH GALVANIZED POST, INCLUDING GOAL FOR METAL CHAIN NET AND METAL CHAIN NET, AS AVAILABLE FROM PW ATHLETIC, (800) 687-5768. EMBED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL A4/LS-502.
33. PAINT BASKETBALL COURT STRIPING. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. SEE DETAIL A1/LS-502.
34. PAINT FOUR SQUARE STRIPING. SEE DETAIL C5/LS-501.
35. PAINT HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
36. PAINT ENGLISH/ARCHED HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
37. CONSTRUCT 3'X12'X1' RAISED GARDEN BED. SEE DETAIL E5/LS-502.
38. INSTALL GREEN HOUSE SALVAGED DURING DEMOLITION OPERATIONS. SEE DETAIL E3/LS-502.
39. PAINT PARKING LOT STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
40. INSTALL PLAYGROUND EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS. SEE PLAYGROUND DRAWINGS, SHEET LS-504.
41. CONSTRUCT 4' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
42. FURNISH AND INSTALL FENCE CAP. CAP SHALL BE POLYCAP MODEL 1270-25 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. ATTACH TO FENCE WITH MODEL 1270-15 NYLON TIES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
43. FURNISH AND INSTALL 20' HEIGHT FOUL POLE WITH 18" FLAG. POLE SHALL BE MODEL 1273 3-1/2" DIAMETER POLE AS AVAILABLE FROM PW ATHLETIC (800)687-5768. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL C5/LS-507.
44. CONSTRUCT PITCHERS MOUND. SEE DETAIL A5/LS-507.
45. INSTALL 4" DEPTH INFIELD MIX OVER COMPACTED SUBGRADE.
46. FURNISH AND INSTALL HOME PLATE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. PLATE SHALL BE MODEL 8500-00 HOME PLATE WITH ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D5/LS-507.
47. FURNISH AND INSTALL BASE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. BASE SHALL BE MODEL 8503-00 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D1/LS-507.
48. FURNISH AND INSTALL PITCHING RUBBER. RUBBER SHALL BE MODEL 8510-00 FOUR-WAY PITCHING RUBBER AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL E1/LS-507.
49. FURNISH AND INSTALL DOUBLE BASE. DOUBLE BASE SHALL BE MODEL 8505-00 DOUBLE FIRST BASE AND ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D2/LS-507.
50. FURNISH AND INSTALL BLEACHERS. BLEACHERS SHALL BE MODEL 1171-4156 - 4-ROW 15' GALVANIZED FRAME WITHOUT GUARDRAIL AS AVAILABLE FROM PW ATHLETIC (800)687-5768 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
51. CONSTRUCT MOUNTABLE CONCRETE CURB. SEE DETAIL E1/LS-501.
52. CONSTRUCT PLAYGROUND ACCESS RAMP. SEE DETAIL B2/LS-501.
53. FURNISH AND INSTALL DIGITAL LED SIGN. SIGN SHALL BE STEWART MODEL DAYSTAR DEFENDER AS AVAILABLE FROM STEWART SIGNS (800)237-3928 OR APPROVED EQUAL. PEDESTAL MOUNT PER MANUFACTURER'S SPECIFICATION. LOCATION SHOWN IS APPROXIMATE. VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. SEE ELECTRICAL AND DETAIL B2/LS-503.
54. FURNISH AND INSTALL 25' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR25C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800)527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
55. FURNISH AND INSTALL 30' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR30C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800) 527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
56. CONSTRUCT CONCRETE CURB & GUTTER CORNER. SEE CIVIL.
57. PAINT 18" X 8' CROSSWALK STRIPES @ 36" O.C. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
58. CONSTRUCT 18" CONCRETE MOWSTRIP. SEE DETAIL A3/LS-502.
59. CONSTRUCT TURN DOWN EDGE AT PLAY AREA. SEE DETAIL B1/LS-501.
60. EXISTING PLAYGROUND EQUIPMENT TO REMAIN.
61. FURNISH AND INSTALL 4' HT SINGLE SWING GATE. SEE DETAIL B1/LS-503.
62. FURNISH AND INSTALL CONCRETE-FILLED STEEL BOLLARD. SEE DETAIL D1/LS-503.
63. INSTALL SECURITY SHED SALVAGED DURING DEMOLITION OPERATIONS. SEE FOOTING DETAIL E3/LS-502.
64. CONSTRUCT 8' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
65. CONSTRUCT CONCRETE RETAINING WALL. SEE CIVIL.
66. CONSTRUCT CRUSHER FINE WARNING TRACK.
67. BASE LINES SHOWN FOR REFERENCE ONLY. N.I.C.
68. OUTDOOR CAN WASH SINK. SEE PLUMBING.
69. BUS DROP OFF STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: YELLOW.
70. CONSTRUCT 4' HEIGHT VINYL-COATED CHAIN LINK FENCE. VINYL-COATED FENCE COLOR SHALL BE BLACK. SEE DETAIL A1/LS-501.
71. FURNISH AND INSTALL SEMI-CIRCULAR STEEL SHADE STRUCTURE. STRUCTURE SHALL BE A CUSTOM MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
72. FURNISH AND INSTALL COVERED STEEL BUS PARKING STRUCTURE. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE ARCHITECTURAL AND STRUCTURAL.
73. TABLE WITH BENCHES TO BE FURNISHED BY OWNER. N.I.C.
74. BENCH TO BE FURNISHED BY OWNER. N.I.C.
75. TRASH/RECYCLE RECEPTACLE TO BE FURNISHED BY OWNER. N.I.C.
76. CONSTRUCT 8' HT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
77. CONSTRUCT 4' HT CHAIN LINK DOUBLE SWING MAINTENANCE GATE. SEE DETAIL D1/LS-502.
78. FURNISH AND INSTALL TABULAR BOULDER. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

A1 SITE CONSTRUCTION PLAN

0 20' 40'

SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

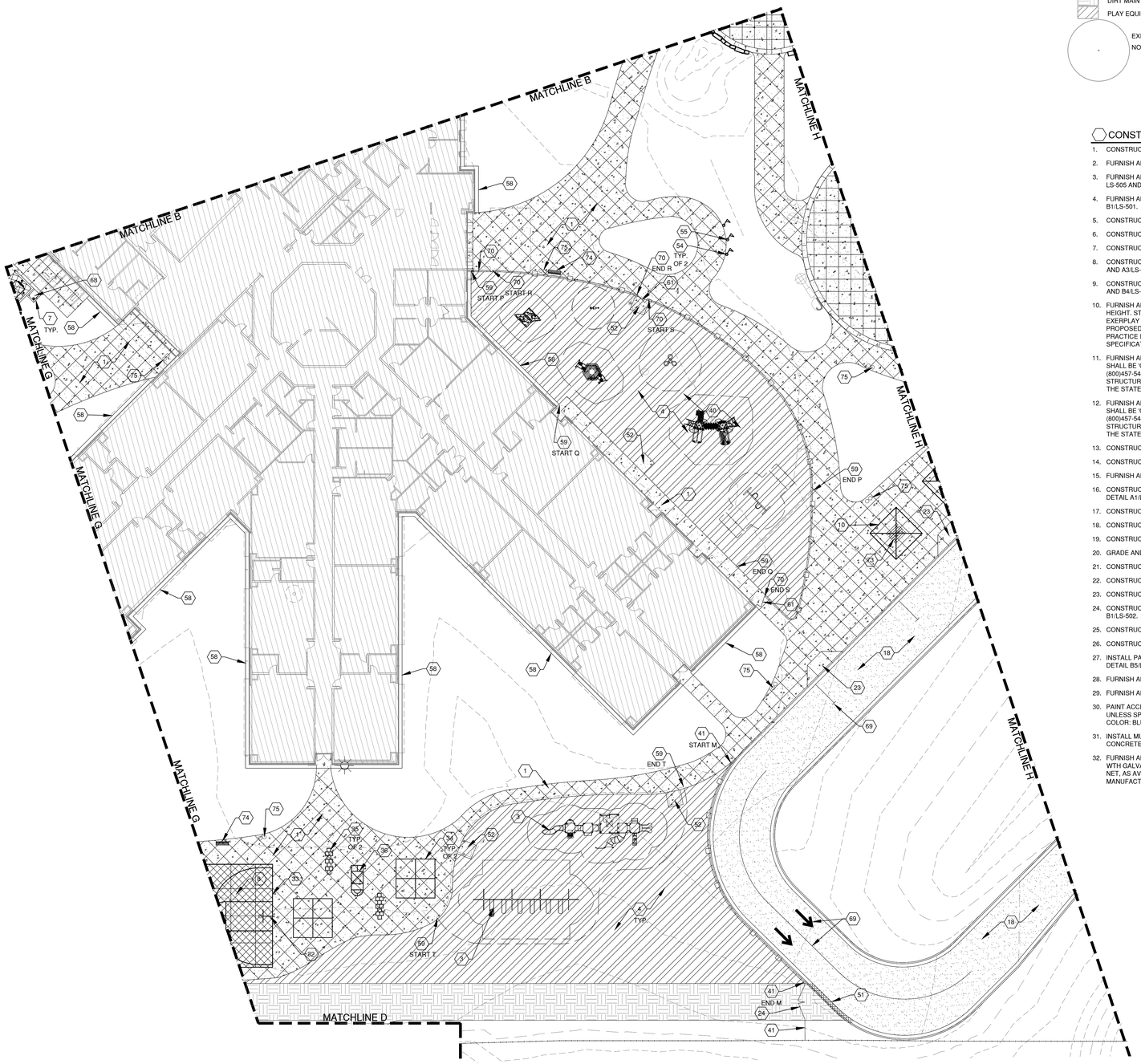
SHEET TITLE

SITE CONSTRUCTION PLAN

LS-104

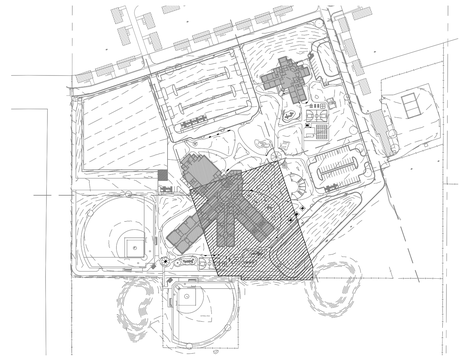
Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2.
  4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
- EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.



KEY MAP - N.T.S.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
5. CONSTRUCT 6"X6" CONCRETE MOW CURB. SEE DETAIL B4/LS-501
6. CONSTRUCT CONCRETE FLUSH HEADER CURB. SEE DETAIL E2/LS-501.
7. CONSTRUCT CONCRETE HEADER CURB. SEE DETAIL E5/LS-501.
8. CONSTRUCT 6" THICK REINFORCED CONCRETE PAVEMENT. SEE DETAILS D1/LS-501 AND A3/LS-502.
9. CONSTRUCT CMU DUMPSTER AND RECYCLING ENCLOSURE. SEE DETAILS D1/LS-503 AND B4/LS-503. DUMPSTERS BY OWNER, N.I.C.
10. FURNISH AND INSTALL 18'X18' FABRIC HIP ROOF SHADE STRUCTURE WITH 12' EAVE HEIGHT. STRUCTURE SHALL BE COOLTOPPERS MODEL #159881 AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
11. FURNISH AND INSTALL 35' OCTAGONAL STEEL SHADE STRUCTURE. STRUCTURE SHALL BE 'OREGON' MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
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13. CONSTRUCT 6' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
14. CONSTRUCT 4' WIDE BY 6' HEIGHT CHAIN LINK PERSON GATE. SEE DETAIL A2/LS-501.
15. FURNISH AND INSTALL CONCRETE PARKING BUMPER. SEE DETAIL B5/LS-501.
16. CONSTRUCT CHAIN LINK DUGOUT INCLUDING CONCRETE PAD AND BENCHES. SEE DETAIL A1/LS-507
17. CONSTRUCT 20' HEIGHT CHAIN LINK BACKSTOP. SEE STRUCTURAL.
18. CONSTRUCT ASPHALT PAVEMENT. SEE CIVIL.
19. CONSTRUCT 6' HT CHAIN LINK SLIDING VEHICULAR GATE. SEE DETAIL A1/LS-503.
20. GRADE AND COMPACT DIRT MAINTENANCE ROAD.
21. CONSTRUCT COMPACTED CRUSHER FINE PATH. SEE DETAIL A5/LS-502.
22. CONSTRUCT LOADING DOCK RAMP AND RETAINING WALL. SEE CIVIL.
23. CONSTRUCT ACCESSIBLE RAMP. SEE CIVIL.
24. CONSTRUCT 6' HT CHAIN LINK DOUBLE SWING VEHICULAR GATE. SEE DETAIL B1/LS-502.
25. CONSTRUCT CONCRETE VALLEY GUTTER. SEE CIVIL.
26. CONSTRUCT CONCRETE CURB AND GUTTER. SEE CIVIL.
27. INSTALL PARKING BUMPER SALVAGED DURING SITE DEMOLITION OPERATIONS. SEE DETAIL B5/LS-501.
28. FURNISH AND INSTALL VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
29. FURNISH AND INSTALL ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
30. PAINT ACCESSIBLE PARKING SYMBOL AND STRIPING. STRIPING SHALL BE 4" IN WIDTH UNLESS SPECIFIED OTHERWISE. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. COLOR: BLUE. SEE DETAIL A4/LS-501
31. INSTALL MUSTANG SCULPTURE SALVAGED DURING DEMOLITION OPERATIONS ON CONCRETE PLINTH. SEE DETAIL B4/LS-503.
32. FURNISH AND INSTALL BASKETBALL GOAL. GOAL SHALL BE MODEL 1572, 5' OFFSET WTH GALVANIZED POST, INCLUDING GOAL FOR METAL CHAIN NET AND METAL CHAIN NET, AS AVAILABLE FROM PW ATHLETIC, (800) 687-5768. EMBED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL A4/LS-502.
33. PAINT BASKETBALL COURT STRIPING. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. SEE DETAIL A1/LS-502.
34. PAINT FOUR SQUARE STRIPING. SEE DETAIL C5/LS-501.
35. PAINT HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
36. PAINT ENGLISH/ARCHED HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
37. CONSTRUCT 3'X12'X1' RAISED GARDEN BED. SEE DETAIL E5/LS-502.
38. INSTALL GREEN HOUSE SALVAGED DURING DEMOLITION OPERATIONS. SEE DETAIL E3/LS-502.
39. PAINT PARKING LOT STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
40. INSTALL PLAYGROUND EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS. SEE PLAYGROUND DRAWINGS, SHEET LS-504.
41. CONSTRUCT 4' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
42. FURNISH AND INSTALL FENCE CAP. CAP SHALL BE POLYCAP MODEL 1270-25 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. ATTACH TO FENCE WITH MODEL 1270-15 NYLON TIES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
43. FURNISH AND INSTALL 20' HEIGHT FOUL POLE WITH 18" FLAG. POLE SHALL BE MODEL 1273 3-1/2" DIAMETER POLE AS AVAILABLE FROM PW ATHLETIC (800)687-5768. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL C5/LS-507.
44. CONSTRUCT PITCHERS MOUND. SEE DETAIL A5/LS-507.
45. INSTALL 4" DEPTH INFIELD MIX OVER COMPACTED SUBGRADE.
46. FURNISH AND INSTALL HOME PLATE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. PLATE SHALL BE MODEL 8500-00 HOME PLATE WITH ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D5/LS-507.
47. FURNISH AND INSTALL BASE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. BASE SHALL BE MODEL 8503-00 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D1/LS-507.
48. FURNISH AND INSTALL PITCHING RUBBER. RUBBER SHALL BE MODEL 8510-00 FOUR-WAY PITCHING RUBBER AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL E1/LS-507.
49. FURNISH AND INSTALL DOUBLE BASE. DOUBLE BASE SHALL BE MODEL 8505-00 DOUBLE FIRST BASE AND ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D2/LS-507.
50. FURNISH AND INSTALL BLEACHERS. BLEACHERS SHALL BE MODEL 1171-4156 - 4-ROW 15' GALVANIZED FRAME WITHOUT GUARDRAIL AS AVAILABLE FROM PW ATHLETIC (800)687-5768 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
51. CONSTRUCT MOUNTABLE CONCRETE CURB. SEE DETAIL E1/LS-501.
52. CONSTRUCT PLAYGROUND ACCESS RAMP. SEE DETAIL B2/LS-501.
53. FURNISH AND INSTALL DIGITAL LED SIGN. SIGN SHALL BE STEWART MODEL DAYSTAR DEFENDER AS AVAILABLE FROM STEWART SIGNS (800)237-3928 OR APPROVED EQUAL. PEDESTAL MOUNT PER MANUFACTURER'S SPECIFICATION. LOCATION SHOWN IS APPROXIMATE. VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. SEE ELECTRICAL AND DETAIL B2/LS-503.
54. FURNISH AND INSTALL 25' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR25C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800)527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
55. FURNISH AND INSTALL 30' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR30C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800) 527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
56. CONSTRUCT CONCRETE CURB & GUTTER CORNER. SEE CIVIL.
57. PAINT 18" X 8' CROSSWALK STRIPES @ 36" O.C. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
58. CONSTRUCT 18" CONCRETE MOWSTRIP. SEE DETAIL A3/LS-502.
59. CONSTRUCT TURN DOWN EDGE AT PLAY AREA. SEE DETAIL B1/LS-501.
60. EXISTING PLAYGROUND EQUIPMENT TO REMAIN.
61. FURNISH AND INSTALL 4' HT SINGLE SWING GATE. SEE DETAIL B1/LS-503.
62. FURNISH AND INSTALL CONCRETE-FILLED STEEL BOLLARD. SEE DETAIL D1/LS-503.
63. INSTALL SECURITY SHED SALVAGED DURING DEMOLITION OPERATIONS. SEE FOOTING DETAIL E3/LS-502.
64. CONSTRUCT 8' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
65. CONSTRUCT CONCRETE RETAINING WALL. SEE CIVIL.
66. CONSTRUCT CRUSHER FINE WARNING TRACK.
67. BASE LINES SHOWN FOR REFERENCE ONLY. N.I.C.
68. OUTDOOR CAN WASH SINK. SEE PLUMBING.
69. BUS DROP OFF STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: YELLOW.
70. CONSTRUCT 4' HEIGHT VINYL-COATED CHAIN LINK FENCE. VINYL-COATED FENCE COLOR SHALL BE BLACK. SEE DETAIL A1/LS-501.
71. FURNISH AND INSTALL SEMI-CIRCULAR STEEL SHADE STRUCTURE. STRUCTURE SHALL BE A CUSTOM MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
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76. CONSTRUCT 8' HT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
77. CONSTRUCT 4' HT CHAIN LINK DOUBLE SWING MAINTENANCE GATE. SEE DETAIL D1/LS-502.
78. FURNISH AND INSTALL TABULAR BOULDER. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

A1 SITE CONSTRUCTION PLAN
0 20' 40'
SCALE: 1" = 20'

5/14/2020

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Bridgers & Paxton
4600 C Montgomery Blvd. NE
Albuquerque, NM, 87109
p_505.838.4111

ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

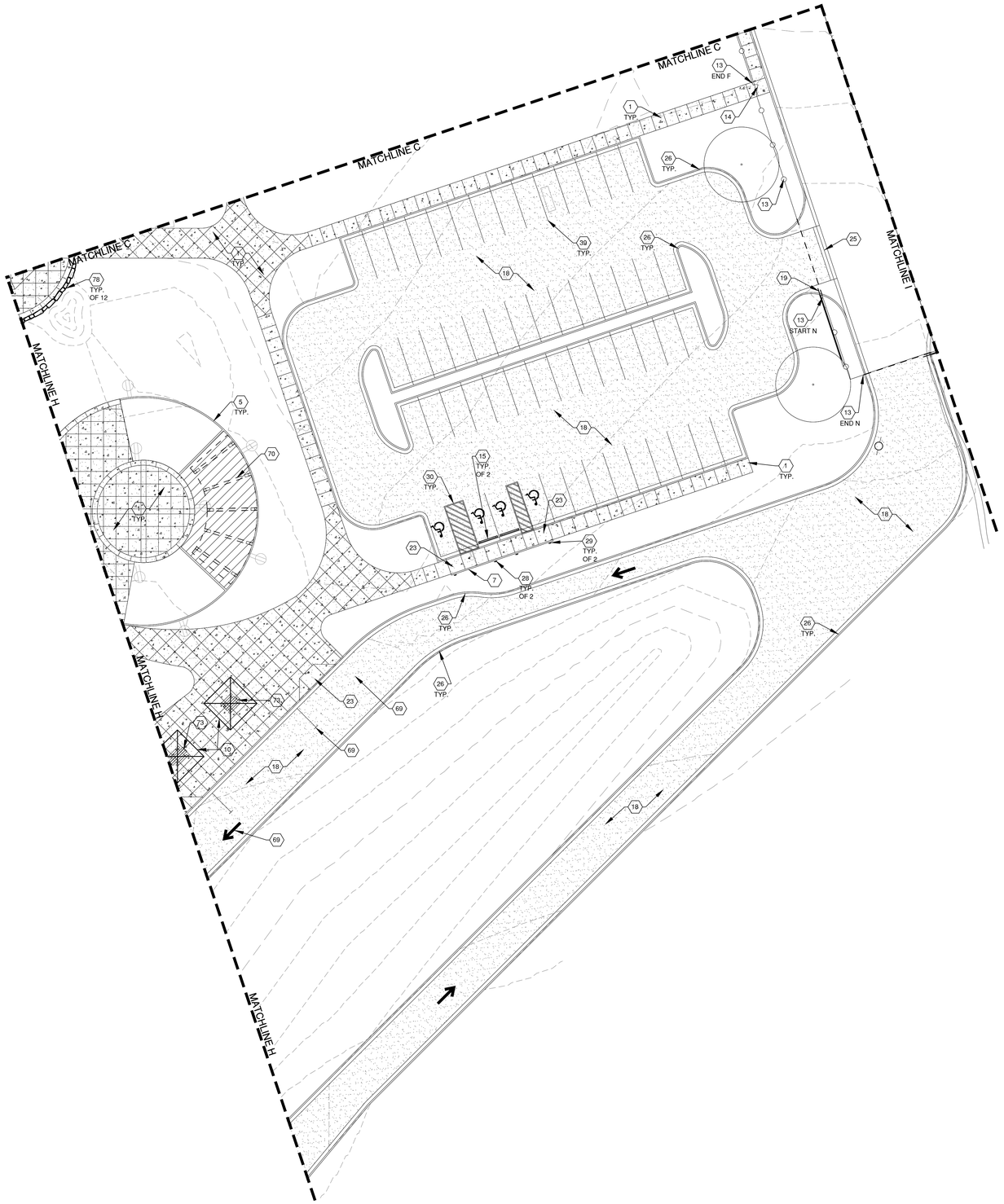
SHEET TITLE

SITE CONSTRUCTION PLAN

LS-105

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2.
- 4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
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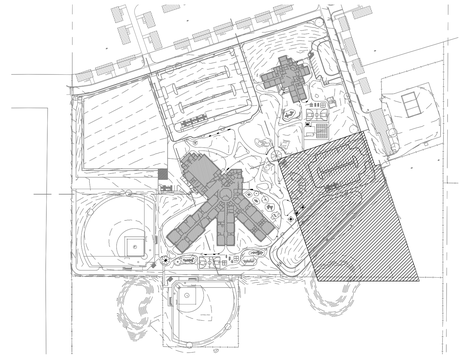

KEY MAP - N.T.S.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
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6. CONSTRUCT CONCRETE FLUSH HEADER CURB. SEE DETAIL E2/LS-501.
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13. CONSTRUCT 6' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
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15. FURNISH AND INSTALL CONCRETE PARKING BUMPER. SEE DETAIL B5/LS-501.
16. CONSTRUCT CHAIN LINK DUGOUT INCLUDING CONCRETE PAD AND BENCHES. SEE DETAIL A1/LS-507
17. CONSTRUCT 20' HEIGHT CHAIN LINK BACKSTOP. SEE STRUCTURAL.
18. CONSTRUCT ASPHALT PAVEMENT. SEE CIVIL.
19. CONSTRUCT 6' HT CHAIN LINK SLIDING VEHICULAR GATE. SEE DETAIL A1/LS-503.
20. GRADE AND COMPACT DIRT MAINTENANCE ROAD.
21. CONSTRUCT COMPACTED CRUSHER FINE PATH. SEE DETAIL A5/LS-502.
22. CONSTRUCT LOADING DOCK RAMP AND RETAINING WALL. SEE CIVIL.
23. CONSTRUCT ACCESSIBLE RAMP. SEE CIVIL.
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27. INSTALL PARKING BUMPER SALVAGED DURING SITE DEMOLITION OPERATIONS. SEE DETAIL B5/LS-501.
28. FURNISH AND INSTALL VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
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30. PAINT ACCESSIBLE PARKING SYMBOL AND STRIPING. STRIPING SHALL BE 4" IN WIDTH UNLESS SPECIFIED OTHERWISE. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. COLOR: BLUE. SEE DETAIL A4/LS-501
31. INSTALL MUSTANG SCULPTURE SALVAGED DURING DEMOLITION OPERATIONS ON CONCRETE PLINTH. SEE DETAIL B4/LS-503.
32. FURNISH AND INSTALL BASKETBALL GOAL. GOAL SHALL BE MODEL 1572, 5' OFFSET WTH GALVANIZED POST, INCLUDING GOAL FOR METAL CHAIN NET AND METAL CHAIN NET, AS AVAILABLE FROM PW athletic, (800) 687-5768. EMBED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL A4/LS-502.
33. PAINT BASKETBALL COURT STRIPING. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. SEE DETAIL A1/LS-502.
34. PAINT FOUR SQUARE STRIPING. SEE DETAIL C5/LS-501.
35. PAINT HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
36. PAINT ENGLISH/ARCHED HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
37. CONSTRUCT 3'X12'X1' RAISED GARDEN BED. SEE DETAIL E5/LS-502.
38. INSTALL GREEN HOUSE SALVAGED DURING DEMOLITION OPERATIONS. SEE DETAIL E3/LS-502.
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40. INSTALL PLAYGROUND EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS. SEE PLAYGROUND DRAWINGS, SHEET LS-504.
41. CONSTRUCT 4' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
42. FURNISH AND INSTALL FENCE CAP. CAP SHALL BE POLYCAP MODEL 1270-25 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. ATTACH TO FENCE WITH MODEL 1270-15 NYLON TIES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
43. FURNISH AND INSTALL 20' HEIGHT FOUL POLE WITH 18" FLAG. POLE SHALL BE MODEL 1273 3-1/2" DIAMETER POLE AS AVAILABLE FROM PW ATHLETIC (800)687-5768. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL C5/LS-507.
44. CONSTRUCT PITCHERS MOUND. SEE DETAIL A5/LS-507.
45. INSTALL 4" DEPTH INFIELD MIX OVER COMPACTED SUBGRADE.
46. FURNISH AND INSTALL HOME PLATE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. PLATE SHALL BE MODEL 8500-00 HOME PLATE WITH ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D5/LS-507.
47. FURNISH AND INSTALL BASE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. BASE SHALL BE MODEL 8503-00 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D1/LS-507.
48. FURNISH AND INSTALL PITCHING RUBBER. RUBBER SHALL BE MODEL 8510-00 FOUR-WAY PITCHING RUBBER AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL E1/LS-507.
49. FURNISH AND INSTALL DOUBLE BASE. DOUBLE BASE SHALL BE MODEL 8505-00 DOUBLE FIRST BASE AND ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D2/LS-507.
50. FURNISH AND INSTALL BLEACHERS. BLEACHERS SHALL BE MODEL 1171-4156 - 4-ROW 15' GALVANIZED FRAME WITHOUT GUARDRAIL AS AVAILABLE FROM PW ATHLETIC (800)687-5768 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
51. CONSTRUCT MOUNTABLE CONCRETE CURB. SEE DETAIL E1/LS-501.
52. CONSTRUCT PLAYGROUND ACCESS RAMP. SEE DETAIL B2/LS-501.
53. FURNISH AND INSTALL DIGITAL LED SIGN. SIGN SHALL BE STEWART MODEL DAYSTAR DEFENDER AS AVAILABLE FROM STEWART SIGNS (800)237-3928 OR APPROVED EQUAL. PEDESTAL MOUNT PER MANUFACTURER'S SPECIFICATION. LOCATION SHOWN IS APPROXIMATE. VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. SEE ELECTRICAL AND DETAIL B2/LS-503.
54. FURNISH AND INSTALL 25' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR25C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800)527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
55. FURNISH AND INSTALL 30' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR30C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800) 527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
56. CONSTRUCT CONCRETE CURB & GUTTER CORNER. SEE CIVIL.
57. PAINT 18" X 6' CROSSWALK STRIPES @ 36" O.C. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
58. CONSTRUCT 18" CONCRETE MOWSTRIP. SEE DETAIL A3/LS-502.
59. CONSTRUCT TURN DOWN EDGE AT PLAY AREA. SEE DETAIL B1/LS-501.
60. EXISTING PLAYGROUND EQUIPMENT TO REMAIN.
61. FURNISH AND INSTALL 4' HT SINGLE SWING GATE. SEE DETAIL B1/LS-503.
62. FURNISH AND INSTALL CONCRETE-FILLED STEEL BOLLARD. SEE DETAIL D1/LS-503.
63. INSTALL SECURITY SHED SALVAGED DURING DEMOLITION OPERATIONS. SEE FOOTING DETAIL E3/LS-502.
64. CONSTRUCT 8' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
65. CONSTRUCT CONCRETE RETAINING WALL. SEE CIVIL.
66. CONSTRUCT CRUSHER FINE WARNING TRACK.
67. BASE LINES SHOWN FOR REFERENCE ONLY. N.I.C.
68. OUTDOOR CAN WASH SINK. SEE PLUMBING.
69. BUS DROP OFF STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: YELLOW.
70. CONSTRUCT 4' HEIGHT VINYL-COATED CHAIN LINK FENCE. VINYL-COATED FENCE COLOR SHALL BE BLACK. SEE DETAIL A1/LS-501.
71. FURNISH AND INSTALL SEMI-CIRCULAR STEEL SHADE STRUCTURE. STRUCTURE SHALL BE A CUSTOM MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
72. FURNISH AND INSTALL COVERED STEEL BUS PARKING STRUCTURE. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE ARCHITECTURAL AND STRUCTURAL.
73. TABLE WITH BENCHES TO BE FURNISHED BY OWNER. N.I.C.
74. BENCH TO BE FURNISHED BY OWNER. N.I.C.
75. TRASH/RECYCLE RECEPTACLE TO BE FURNISHED BY OWNER. N.I.C.
76. CONSTRUCT 8' HT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
77. CONSTRUCT 4' HT CHAIN LINK DOUBLE SWING MAINTENANCE GATE. SEE DETAIL D1/LS-502.
78. FURNISH AND INSTALL TABULAR BOULDER. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

A1 SITE CONSTRUCTION PLAN
SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

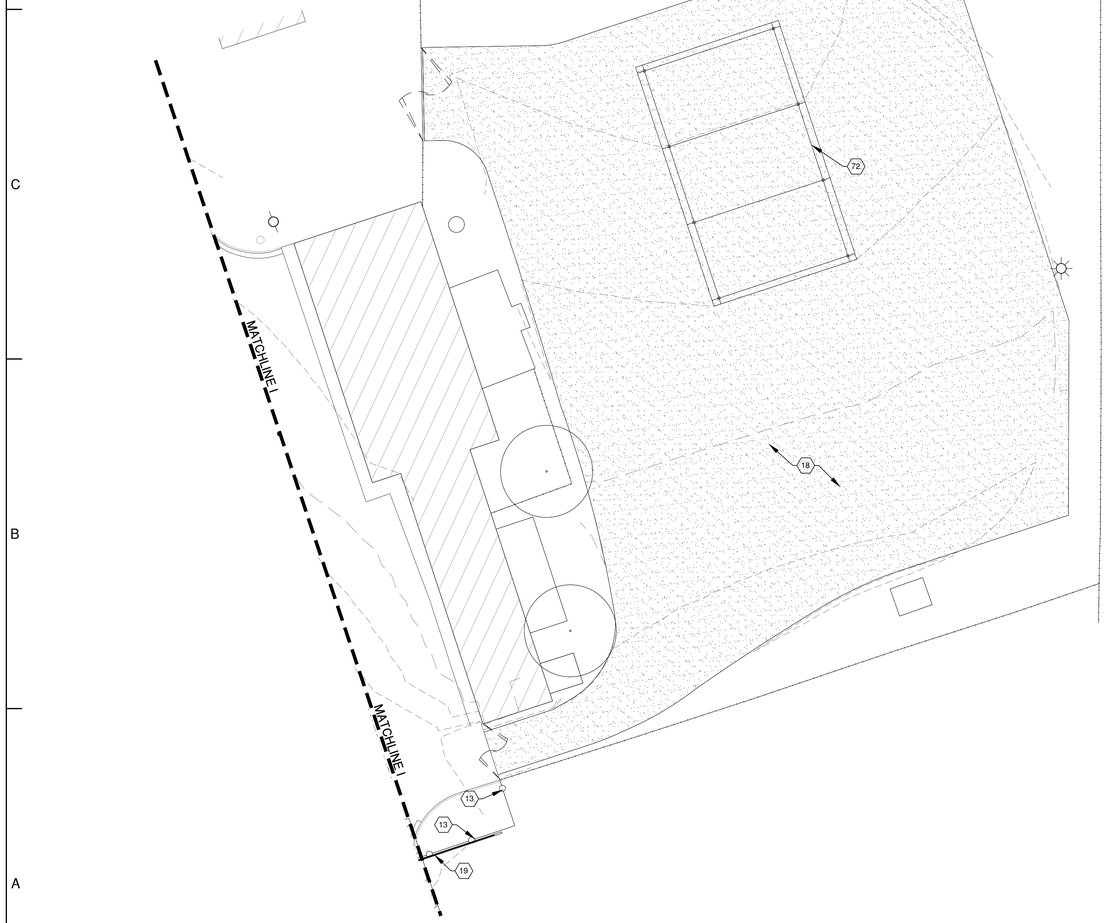
SHEET TITLE

SITE CONSTRUCTION PLAN

LS-106

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 SITE CONSTRUCTION PLAN

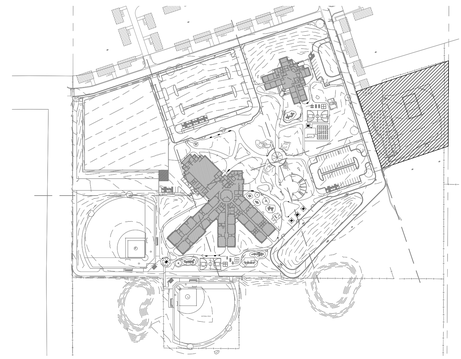
0 20' 40'

SCALE: 1" = 20'

5/14/2020

CONSTRUCTION HATCH LEGEND

- ASPHALT PAVEMENT. SEE KEYED NOTE 18.
- 4" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 1.
- 6" THICK CONCRETE PAVEMENT - SEE KEYED NOTE 8.
- BASE COURSE - SEE KEYED NOTE 2.
  4" THICK COMPACTED CRUSHER FINES SURFACING - SEE KEYED NOTE 21.
- MOUNTABLE CONCRETE CURB - SEE KEYED NOTE 51.
- DIRT MAINTENANCE ROAD. SEE CIVIL.
- PLAY EQUIPMENT FALL SURFACING. SEE KEYED NOTE 4.
- EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.



KEY MAP - N.T.S.

CONSTRUCTION KEYED NOTES

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT. SEE DETAIL D1/LS-501 AND A3/LS-502.
2. FURNISH AND INSTALL COMPACTED BASE COURSE PAVEMENT. D2/LS-502.
3. FURNISH AND INSTALL PLAY EQUIPMENT. SEE PLAYGROUND DRAWINGS, SHEETS LS-505 AND LS-506.
4. FURNISH AND INSTALL ENGINEERED WOOD FIBER PLAY SURFACING. SEE DETAIL B1/LS-501.
5. CONSTRUCT 6"X6" CONCRETE MOW CURB. SEE DETAIL B4/LS-501
6. CONSTRUCT CONCRETE FLUSH HEADER CURB. SEE DETAIL E2/LS-501.
7. CONSTRUCT CONCRETE HEADER CURB. SEE DETAIL E5/LS-501.
8. CONSTRUCT 6" THICK REINFORCED CONCRETE PAVEMENT. SEE DETAILS D1/LS-501 AND A3/LS-502.
9. CONSTRUCT CMU DUMPSTER AND RECYCLING ENCLOSURE. SEE DETAILS D1/LS-503 AND B4/LS-503. DUMPSTERS BY OWNER, N.I.C.
10. FURNISH AND INSTALL 18'X18' FABRIC HIP ROOF SHADE STRUCTURE WITH 12' EAVE HEIGHT, STRUCTURE SHALL BE COOLTOPPERS MODEL #159881 AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
11. FURNISH AND INSTALL 35' OCTAGONAL STEEL SHADE STRUCTURE. STRUCTURE SHALL BE 'OREGON' MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
12. FURNISH AND INSTALL 25' OCTAGONAL STEEL SHADE STRUCTURE. STRUCTURE SHALL BE 'OREGON' MODEL BY CLASSIC RECREATION AS AVAILABLE FROM EXERPLAY (800)457-5444.CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
13. CONSTRUCT 6' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
14. CONSTRUCT 4' WIDE BY 6' HEIGHT CHAIN LINK PERSON GATE. SEE DETAIL A2/LS-501.
15. FURNISH AND INSTALL CONCRETE PARKING BUMPER. SEE DETAIL B5/LS-501.
16. CONSTRUCT CHAIN LINK DUGOUT INCLUDING CONCRETE PAD AND BENCHES. SEE DETAIL A1/LS-507
17. CONSTRUCT 20' HEIGHT CHAIN LINK BACKSTOP. SEE STRUCTURAL.
18. CONSTRUCT ASPHALT PAVEMENT. SEE CIVIL.
19. CONSTRUCT 6' HT CHAIN LINK SLIDING VEHICULAR GATE. SEE DETAIL A1/LS-503.
20. GRADE AND COMPACT DIRT MAINTENANCE ROAD.
21. CONSTRUCT COMPACTED CRUSHER FINE PATH. SEE DETAIL A5/LS-502.
22. CONSTRUCT LOADING DOCK RAMP AND RETAINING WALL. SEE CIVIL.
23. CONSTRUCT ACCESSIBLE RAMP. SEE CIVIL.
24. CONSTRUCT 6' HT CHAIN LINK DOUBLE SWING VEHICULAR GATE. SEE DETAIL B1/LS-502.
25. CONSTRUCT CONCRETE VALLEY GUTTER. SEE CIVIL.
26. CONSTRUCT CONCRETE CURB AND GUTTER. SEE CIVIL.
27. INSTALL PARKING BUMPER SALVAGED DURING SITE DEMOLITION OPERATIONS. SEE DETAIL B5/LS-501.
28. FURNISH AND INSTALL VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
29. FURNISH AND INSTALL ACCESSIBLE PARKING SIGN. SEE DETAIL C3/LS-502.
30. PAINT ACCESSIBLE PARKING SYMBOL AND STRIPING. STRIPING SHALL BE 4" IN WIDTH UNLESS SPECIFIED OTHERWISE. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT, COLOR: BLUE. SEE DETAIL A4/LS-501
31. INSTALL MUSTANG SCULPTURE SALVAGED DURING DEMOLITION OPERATIONS ON CONCRETE PLINTH. SEE DETAIL B4/LS-503.
32. FURNISH AND INSTALL BASKETBALL GOAL. GOAL SHALL BE MODEL 1572, 5' OFFSET WTH GALVANIZED POST, INCLUDING GOAL FOR METAL CHAIN NET AND METAL CHAIN NET, AS AVAILABLE FROM PW ATHLETIC, (800) 687-5768. EMBED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL A4/LS-502.
33. PAINT BASKETBALL COURT STRIPING. PAINT SHALL BE TRAFFIC-RATED LATEX PAINT. SEE DETAIL A1/LS-502.
34. PAINT FOUR SQUARE STRIPING. SEE DETAIL C5/LS-501.
35. PAINT HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
36. PAINT ENGLISH/ARCHED HOPSCOTCH STRIPING. SEE DETAIL A5/LS-501.
37. CONSTRUCT 3'X12'X1' RAISED GARDEN BED. SEE DETAIL E5/LS-502.
38. INSTALL GREEN HOUSE SALVAGED DURING DEMOLITION OPERATIONS. SEE DETAIL E3/LS-502.
39. PAINT PARKING LOT STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
40. INSTALL PLAYGROUND EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS. SEE PLAYGROUND DRAWINGS, SHEET LS-504.
41. CONSTRUCT 4' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
42. FURNISH AND INSTALL FENCE CAP. CAP SHALL BE POLYCAP MODEL 1270-25 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. ATTACH TO FENCE WITH MODEL 1270-15 NYLON TIES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
43. FURNISH AND INSTALL 20' HEIGHT FOUL POLE WITH 18" FLAG. POLE SHALL BE MODEL 1273 3-1/2" DIAMETER POLE AS AVAILABLE FROM PW ATHLETIC (800)687-5768. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL C5/LS-507.
44. CONSTRUCT PITCHERS MOUND. SEE DETAIL A5/LS-507.
45. INSTALL 4" DEPTH INFIELD MIX OVER COMPACTED SUBGRADE.
46. FURNISH AND INSTALL HOME PLATE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. PLATE SHALL BE MODEL 8500-00 HOME PLATE WITH ANCHOR AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D5/LS-507.
47. FURNISH AND INSTALL BASE, INCLUDING ANCHOR AND RUBBER ANCHOR CAP. BASE SHALL BE MODEL 8503-00 AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL D1/LS-507.
48. FURNISH AND INSTALL PITCHING RUBBER. RUBBER SHALL BE MODEL 8510-00 FOUR-WAY PITCHING RUBBER AS AVAILABLE FROM PW ATHLETIC (800)687-5768. SEE DETAIL E1/LS-507.
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52. CONSTRUCT PLAYGROUND ACCESS RAMP. SEE DETAIL B2/LS-501.
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55. FURNISH AND INSTALL 30' HT FLAG POLE. FLAG POLE SHALL BE CONTINENTAL MODEL ESR30C61-SAT AS AVAILABLE FROM CONTINENTAL AMERICAN FLAGPOLE, (800) 527-3902 OR APPROVED EQUAL. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL D5/LS-503.
56. CONSTRUCT CONCRETE CURB & GUTTER CORNER. SEE CIVIL.
57. PAINT 18" X 8' CROSSWALK STRIPES @ 36" O.C. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: WHITE.
58. CONSTRUCT 18" CONCRETE MOWSTRIP. SEE DETAIL A3/LS-502.
59. CONSTRUCT TURN DOWN EDGE AT PLAY AREA. SEE DETAIL B1/LS-501.
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64. CONSTRUCT 8' HEIGHT CHAIN LINK FENCE. SEE DETAIL A1/LS-501.
65. CONSTRUCT CONCRETE RETAINING WALL. SEE CIVIL.
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67. BASE LINES SHOWN FOR REFERENCE ONLY. N.I.C.
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69. BUS DROP OFF STRIPING. STRIPING SHALL BE 4" IN WIDTH. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. COLOR: YELLOW.
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72. FURNISH AND INSTALL COVERED STEEL BUS PARKING STRUCTURE. CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS OF PROPOSED STRUCTURE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW MEXICO. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE ARCHITECTURAL AND STRUCTURAL.
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77. CONSTRUCT 4' HT CHAIN LINK DOUBLE SWING MAINTENANCE GATE. SEE DETAIL D1/LS-502.
78. FURNISH AND INSTALL TABULAR BOULDER. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH, COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

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ARCHITECT

Dzilth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

SITE CONSTRUCTION PLAN

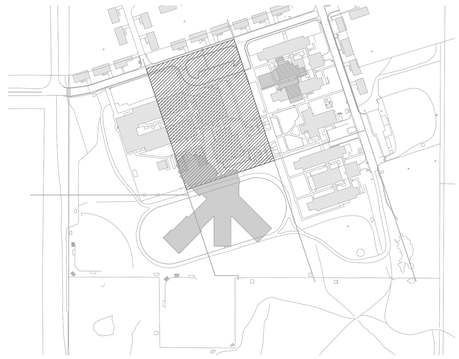
LS-107

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

A1 SITE DEMOLITION PLAN

SCALE: 1" = 20'



KEY MAP - N.T.S.

DEMOLITION HATCH AND SYMBOL LEGEND

- EXISTING CONCRETE PAVEMENT TO BE REMOVED. SEE KEYED NOTE 2.
- EXISTING ASPHALT PAVEMENT TO BE REMOVED. SEE KEYED NOTE 3.
- EXISTING SITE STAIRS AND RAMPS TO BE REMOVED. SEE KEYED NOTE 9.
- EXISTING BUILDING TO BE REMOVED. SEE KEYED NOTE 42.
- PROPOSED BUILDING FOOTPRINT. SEE ARCHITECTURAL.
- SALVAGE EXISTING PLAY EQUIPMENT. SEE EARLY WORK PACKAGE SHEET LEW-102 AND SITE CONSTRUCTION PLAN.
- EXISTING GRAVEL TO BE REMOVED. SEE KEYED NOTE 44.
- EXISTING TREE TO BE REMOVED. SEE KEYED NOTE 11.
- EXISTING TREE TO REMAIN. SEE KEYED NOTE 5.

DEMOLITION LINETYPE LEGEND

- EXISTING PLAYGROUND EDGING TO BE REMOVED. SEE KEYED NOTE 34.
- EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE KEYED NOTE 12.
- EXISTING PIPE RAIL FENCE TO BE REMOVED. SEE KEYED NOTE 35.

DEMOLITION GENERAL NOTES

A. CONTRACTOR SHALL MAINTAIN ALL AREAS ADJACENT TO THE SITE IN A CLEAN CONDITION - MUD, DUST, DEBRIS, AND GRAFFITI FREE AT ALL TIME.

B. CONTRACTOR SHALL FILL AND COMPACT ALL VOIDS CREATED BY DEMOLITION WORK WITH CLEAN BACKFILL MATERIAL. BACKFILL SHALL BE COMPACTED TO 85% MODIFIED PROCTOR IN LANDSCAPE AREAS AND 95% IN PAVED AREAS.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION VERIFICATION, SUPPORT, AND PROTECTION OF ALL ABOVEGROUND AND UNDERGROUND UTILITIES TO REMAIN IN PLACE INCLUDING ANY UTILITIES NOT INDICATED ON CONTRACT DRAWINGS. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO LOCATE UNDERGROUND UTILITIES PRIOR TO COMMENCING THE DEMOLITION WORK. ANY DAMAGE TO EXISTING UTILITIES, INCLUDING THOSE NOT INDICATED ON THE CONTRACT DRAWINGS, RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

D. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING TREES DESIGNATED AS TO REMAIN FROM DAMAGE BY CONSTRUCTION OPERATIONS. ANY TREE DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED WITH A TREE OF THE SAME SPECIES AND SIZE. IF SIZE OF EXISTING TREE IS NOT AVAILABLE CONTRACTOR SHALL REPLACE WITH A 2" CAL. TREE (DECIDUOUS) OF 6' HT. TREE (EVERGREEN) AND SHALL PROVIDE A CREDIT TO THE OWNER FOR THE MONETARY DIFFERENCE IN VALUE. ANY SHRUB DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED BY A SHRUB OF THE SAME SPECIES AND SIZE. IF SIZE OF EXISTING SHRUB IS NOT AVAILABLE CONTRACTOR SHALL REPLACE WITH A 5-GAL SHRUB AND SHALL PROVIDE A CREDIT TO THE OWNER FOR THE MONETARY DIFFERENCE IN VALUE. SEE DETAIL A4/LD-101.

E. CONTRACTOR SHALL COMPLY WITH NFPA 241, 2018 ED.

DEMOLITION KEYED NOTES

1. REMOVE AND DISPOSE OF CONCRETE CURB OR CURB AND GUTTER AS REQUIRED FOR NEW CONSTRUCTION. COORDINATE WITH NEW WORK. SEE SITE CONSTRUCTION PLANS AND GRADING PLANS.
2. REMOVE AND DISPOSE OF CONCRETE PAVEMENT.
3. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
4. REMOVE AND DISPOSE OF EXISTING CMU SITE WALL, INCLUDING FOOTINGS.
5. EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.
6. EXISTING UTILITY YARD AND TRANSFORMER TO REMAIN.
7. EXISTING UTILITY POLE TO REMAIN.
8. EXISTING CURB AND GUTTER TO REMAIN.
9. REMOVE AND DISPOSE OF EXISTING CONCRETE STAIRS, RAMP AND HANDRAILS, INCLUDING FOOTINGS.
10. SALVAGE AND STOCKPILE MUSTANG SCULPTURE. REMOVE AND DISPOSE OF CONCRETE BASE AND FOOTING. SALVAGE AND STOCKPILE EXISTING PLANTS. MAINTAIN IN GOOD HEALTH UNTIL RE-PLANTED. SEE PLANTING PLAN.
11. REMOVE AND DISPOSE OF EXISTING TREE. GRIND AND REMOVE STUMP AND ROOTS TO MIN. 18" DEPTH, BACKFILL VOID LEFT BY GRINDING WITH CLEAN FILL. FILL MATERIAL TO BE APPROVED BY OWNERS REPRESENTATIVE.
12. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE INCLUDING FOOTINGS. LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.
13. EXISTING FIRE HYDRANT TO REMAIN.
14. REMOVE AND DISPOSE OF EXISTING LANDSCAPE, INCLUDING SHRUBS, MULCH, IRRIGATION EQUIPMENT AND OTHER MATERIAL.
15. EXISTING UTILITY TO REMAIN.
16. EXISTING LANDSCAPE TO REMAIN.
17. CLEAR AND GRUB EXISTING VEGETATION. REMOVE ROOTS TO A DEPTH OF 6", AS PART OF CLEARING AND GRUBBING OPERATIONS, CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY DEBRIS ENCOUNTERED.
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19. REMOVE AND DISPOSE OF EXISTING LIGHTPOLE AND FOOTING.
20. SALVAGE AND STOCKPILE EXISTING GREEN HOUSE FOR REUSE. SEE SITE CONSTRUCTION PLAN.
21. REMOVE AND DISPOSE OF CHAIN LINK GATE AND POSTS, INCLUDING FOOTINGS.
22. REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT. SEE UTILITY DEMOLITION PLANS.
23. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND FOOTING.
24. REMOVE AND DISPOSE OF EXISTING POST AND FOOTING.
25. REMOVE AND DISPOSE OF EXISTING BASKETBALL POST AND FOOTING.
26. EXISTING CHAIN LINK FENCE TO REMAIN.
27. REMOVE AND DISPOSE OF EXISTING CONCRETE LOADING DOCK STRUCTURE, PIPE RAIL FENCING AND FOOTINGS.
28. REMOVE AND DISPOSE OF EXISTING DUGOUT, INCLUDING WALLS, ROOF, SLAB AND FOOTINGS.
29. SALVAGE TO OWNER EXISTING STORAGE CONTAINER.
30. EXISTING P.I.V. TO BE RELOCATED. SEE UTILITY PLANS.
31. EXISTING PLAY EQUIPMENT TO REMAIN. CONTRACTOR SHALL PROTECT FROM DAMAGE FROM DEMOLITION AND CONSTRUCTION OPERATIONS. ANY DAMAGE SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO OWNER BY CONTRACTOR. SEE PLAY EQUIPMENT GENERAL NOTES, SHEET LS-504.
32. REMOVE AND DISPOSE OF EXISTING PLAY EQUIPMENT INCLUDING FOOTINGS.
33. REMOVE AND DISPOSE OF EXISTING SITE EQUIPMENT AND EDGING.
34. REMOVE AND DISPOSE OF EXISTING PLAYGROUND EDGING.
35. REMOVE AND DISPOSE OF EXISTING PIPE RAIL FENCE INCLUDING FOOTINGS.
36. REMOVE AND DISPOSE OF EXISTING RAISED PLANTER BED.
37. REMOVE AND DISPOSE OF EXISTING BENCH AND FOOTINGS.
38. SALVAGE EXISTING STORAGE SHED TO OWNER.
39. SALVAGE DUMPSTERS TO OWNER.
40. SALVAGE AND STOCKPILE EXISTING SECURITY STRUCTURE FOR REUSE, SEE SHEET LS-102.
41. REMOVE AND DISPOSE OF EXISTING YARD HYDRANT. CAP EXISTING WATER LINE AND ABANDON IN PLACE. SEE UTILITY PLAN.
42. REMOVE AND DISPOSE OF BUILDING IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO: WALLS, ROOF, STRUCTURE, MECHANICAL, ELECTRICAL, PLUMBING, SLAB AND FOOTINGS. CAP OFF ALL UTILITY LINES AS NECESSARY. SEE UTILITY DEMOLITION PLANS, SITE CONSTRUCTION PLANS AND ARCHITECTURAL PLANS.
43. REMOVE AND DISPOSE OF EXISTING EXERCISE EQUIPMENT INCLUDING SURFACING, FOOTINGS, ETC. FILL AND COMPACT ALL VOIDS. FILL MATERIAL TO BE APPROVED BY OWNER'S REPRESENTATIVE.
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49. SALVAGE AND RETURN EXISTING BLEACHERS TO OWNER.
50. EXISTING MAINTENANCE BUILDING TO REMAIN. SEE ARCHITECTURAL.
51. EXISTING MAINTENANCE SHED TO REMAIN.
52. EXISTING CONCRETE PAVEMENT TO REMAIN.
53. EXISTING SITE WALL TO REMAIN.
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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

SITE DEMOLITION PLAN

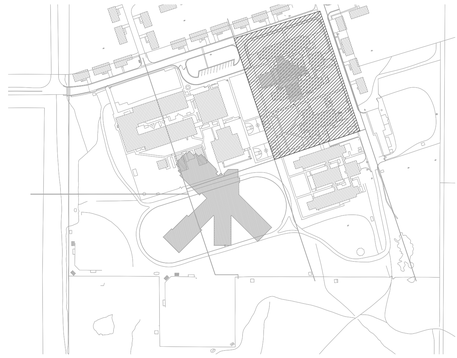
LD-102

5/14/2020

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

A1 SITE DEMOLITION PLAN
SCALE: 1" = 20'



KEY MAP - N.T.S.

DEMOLITION HATCH AND SYMBOL LEGEND

- EXISTING CONCRETE PAVEMENT TO BE REMOVED. SEE KEYED NOTE 2.
- EXISTING ASPHALT PAVEMENT TO BE REMOVED. SEE KEYED NOTE 3.
- EXISTING SITE STAIRS AND RAMPS TO BE REMOVED. SEE KEYED NOTE 9.
- EXISTING BUILDING TO BE REMOVED. SEE KEYED NOTE 42.
- PROPOSED BUILDING FOOTPRINT. SEE ARCHITECTURAL.
- SALVAGE EXISTING PLAY EQUIPMENT. SEE EARLY WORK PACKAGE SHEET LEW-102 AND SITE CONSTRUCTION PLAN.
- EXISTING GRAVEL TO BE REMOVED. SEE KEYED NOTE 44.
- EXISTING TREE TO BE REMOVED. SEE KEYED NOTE 11.
- EXISTING TREE TO REMAIN. SEE KEYED NOTE 5.

DEMOLITION LINETYPE LEGEND

- EXISTING PLAYGROUND EDGING TO BE REMOVED. SEE KEYED NOTE 34.
- EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE KEYED NOTE 12.
- EXISTING PIPE RAIL FENCE TO BE REMOVED. SEE KEYED NOTE 35.

DEMOLITION GENERAL NOTES

A. CONTRACTOR SHALL MAINTAIN ALL AREAS ADJACENT TO THE SITE IN A CLEAN CONDITION - MUD, DUST, DEBRIS, AND GRAFFITI FREE AT ALL TIME.

B. CONTRACTOR SHALL FILL AND COMPACT ALL VOIDS CREATED BY DEMOLITION WORK WITH CLEAN BACKFILL MATERIAL. BACKFILL SHALL BE COMPACTED TO 85% MODIFIED PROCTOR IN LANDSCAPE AREAS AND 95% IN PAVED AREAS.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION VERIFICATION, SUPPORT, AND PROTECTION OF ALL ABOVEGROUND AND UNDERGROUND UTILITIES TO REMAIN IN PLACE INCLUDING ANY UTILITIES NOT INDICATED ON CONTRACT DRAWINGS. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO LOCATE UNDERGROUND UTILITIES PRIOR TO COMMENCING THE DEMOLITION WORK. ANY DAMAGE TO EXISTING UTILITIES, INCLUDING THOSE NOT INDICATED ON THE CONTRACT DRAWINGS, RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

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E. CONTRACTOR SHALL COMPLY WITH NFPA 241, 2018 ED.

DEMOLITION KEYED NOTES

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2. REMOVE AND DISPOSE OF CONCRETE PAVEMENT.
3. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
4. REMOVE AND DISPOSE OF EXISTING CMU SITE WALL, INCLUDING FOOTINGS.
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6. EXISTING UTILITY YARD AND TRANSFORMER TO REMAIN.
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11. REMOVE AND DISPOSE OF EXISTING TREE. GRIND AND REMOVE STUMP AND ROOTS TO MIN. 18" DEPTH. BACKFILL VOID LEFT BY GRINDING WITH CLEAN FILL. FILL MATERIAL TO BE APPROVED BY OWNER'S REPRESENTATIVE.
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Dziłth-Na-O-Dith-Hle Community School

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OCTOBER 2020

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CHECKED BY:	WM

SHEET TITLE

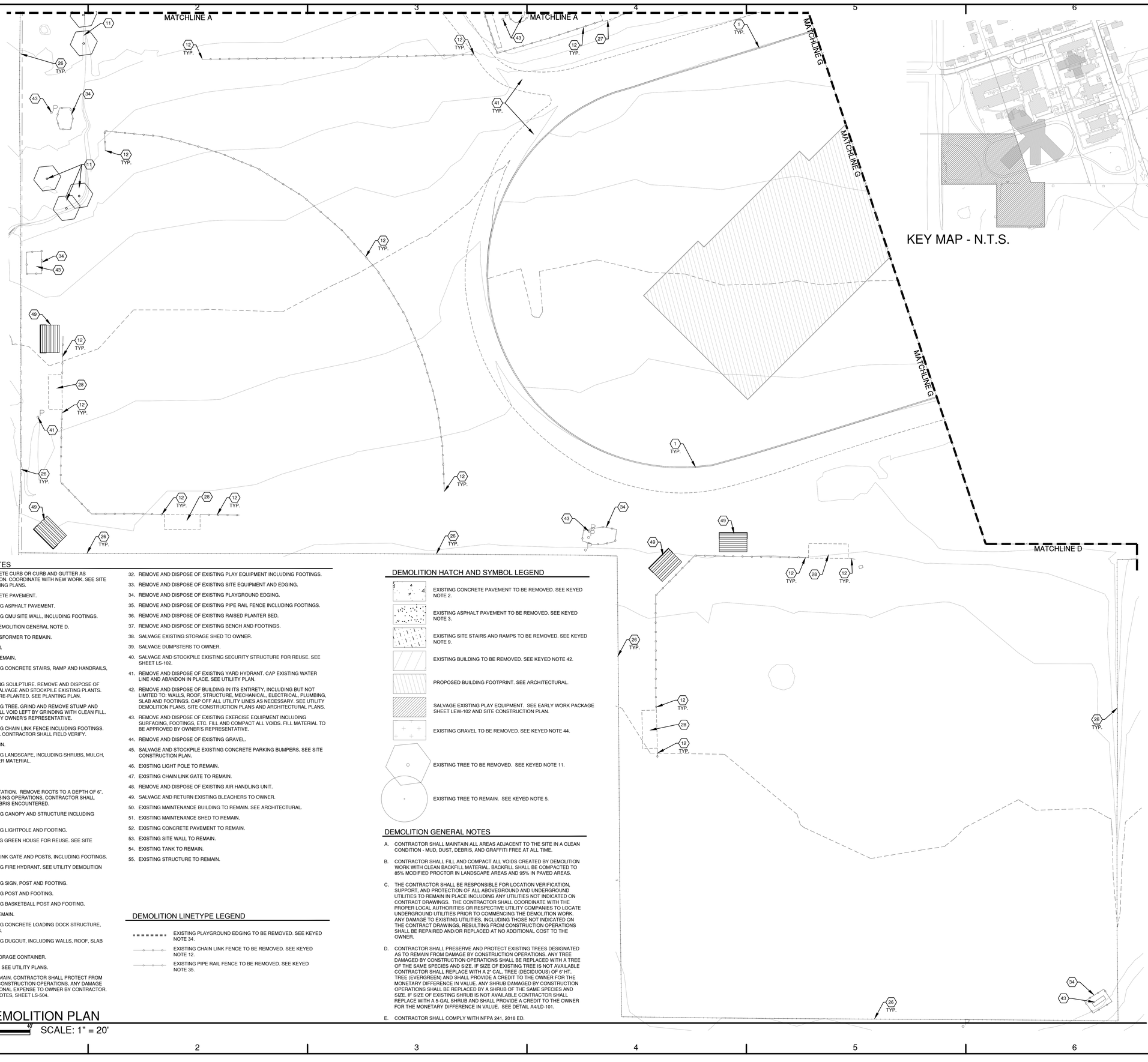
SITE DEMOLITION PLAN

LD-103

5/14/2020

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



KEY MAP - N.T.S.

DEMOLITION KEYED NOTES

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DEMOLITION LINETYPE LEGEND

- EXISTING PLAYGROUND EDGING TO BE REMOVED. SEE KEYED NOTE 34.
- EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE KEYED NOTE 12.
- EXISTING PIPE RAIL FENCE TO BE REMOVED. SEE KEYED NOTE 35.

DEMOLITION HATCH AND SYMBOL LEGEND

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E. CONTRACTOR SHALL COMPLY WITH NFPA 241, 2018 ED.

A1 SITE DEMOLITION PLAN

0 20' 40'

SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

"FOR EACH CHILD A SCHOOL"

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS

35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

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DATE:	10/2/2020
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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

SITE DEMOLITION PLAN

LD-104

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

A1 SITE DEMOLITION PLAN

SCALE: 1" = 20'

KEY MAP - N.T.S.

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E. CONTRACTOR SHALL COMPLY WITH NFPA 241, 2018 ED.

DEMOLITION HATCH AND SYMBOL LEGEND

- EXISTING CONCRETE PAVEMENT TO BE REMOVED. SEE KEYED NOTE 2.
- EXISTING ASPHALT PAVEMENT TO BE REMOVED. SEE KEYED NOTE 3.
- EXISTING SITE STAIRS AND RAMPS TO BE REMOVED. SEE KEYED NOTE 9.
- EXISTING BUILDING TO BE REMOVED. SEE KEYED NOTE 42.
- PROPOSED BUILDING FOOTPRINT. SEE ARCHITECTURAL.
- SALVAGE EXISTING PLAY EQUIPMENT. SEE EARLY WORK PACKAGE SHEET LEW-102 AND SITE CONSTRUCTION PLAN.
- EXISTING GRAVEL TO BE REMOVED. SEE KEYED NOTE 44.
- EXISTING TREE TO BE REMOVED. SEE KEYED NOTE 11.
- EXISTING TREE TO REMAIN. SEE KEYED NOTE 5.

DEMOLITION LINETYPE LEGEND

- EXISTING PLAYGROUND EDGING TO BE REMOVED. SEE KEYED NOTE 34.
- EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE KEYED NOTE 12.
- EXISTING PIPE RAIL FENCE TO BE REMOVED. SEE KEYED NOTE 35.

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3. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
4. REMOVE AND DISPOSE OF EXISTING CMU SITE WALL, INCLUDING FOOTINGS.
5. EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D.
6. EXISTING UTILITY YARD AND TRANSFORMER TO REMAIN.
7. EXISTING UTILITY POLE TO REMAIN.
8. EXISTING CURB AND GUTTER TO REMAIN.
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11. REMOVE AND DISPOSE OF EXISTING TREE. GRIND AND REMOVE STUMP AND ROOTS TO MIN. 18" DEPTH. BACKFILL VOID LEFT BY GRINDING WITH CLEAN FILL. FILL MATERIAL TO BE APPROVED BY OWNER'S REPRESENTATIVE.
12. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE INCLUDING FOOTINGS. LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.
13. EXISTING FIRE HYDRANT TO REMAIN.
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24. REMOVE AND DISPOSE OF EXISTING POST AND FOOTING.
25. REMOVE AND DISPOSE OF EXISTING BASKETBALL POST AND FOOTING.
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28. REMOVE AND DISPOSE OF EXISTING DUGOUT, INCLUDING WALLS, ROOF, SLAB AND FOOTINGS.
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30. EXISTING P.I.V. TO BE RELOCATED. SEE UTILITY PLANS.
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37. REMOVE AND DISPOSE OF EXISTING BENCH AND FOOTINGS.
38. SALVAGE EXISTING STORAGE SHED TO OWNER.
39. SALVAGE DUMPSTERS TO OWNER.
40. SALVAGE AND STOCKPILE EXISTING SECURITY STRUCTURE FOR REUSE. SEE SHEET LS-102.
41. REMOVE AND DISPOSE OF EXISTING YARD HYDRANT. CAP EXISTING WATER LINE AND ABANDON IN PLACE. SEE UTILITY PLAN.
42. REMOVE AND DISPOSE OF BUILDING IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO: WALLS, ROOF, STRUCTURE, MECHANICAL, ELECTRICAL, PLUMBING, SLAB AND FOOTINGS. CAP OFF ALL UTILITY LINES AS NECESSARY. SEE UTILITY DEMOLITION PLANS, SITE CONSTRUCTION PLANS AND ARCHITECTURAL PLANS.
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46. EXISTING LIGHT POLE TO REMAIN.
47. EXISTING CHAIN LINK GATE TO REMAIN.
48. REMOVE AND DISPOSE OF EXISTING AIR HANDLING UNIT.
49. SALVAGE AND RETURN EXISTING BLEACHERS TO OWNER.
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55. EXISTING STRUCTURE TO REMAIN.

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ARCHITECT

Dzilth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

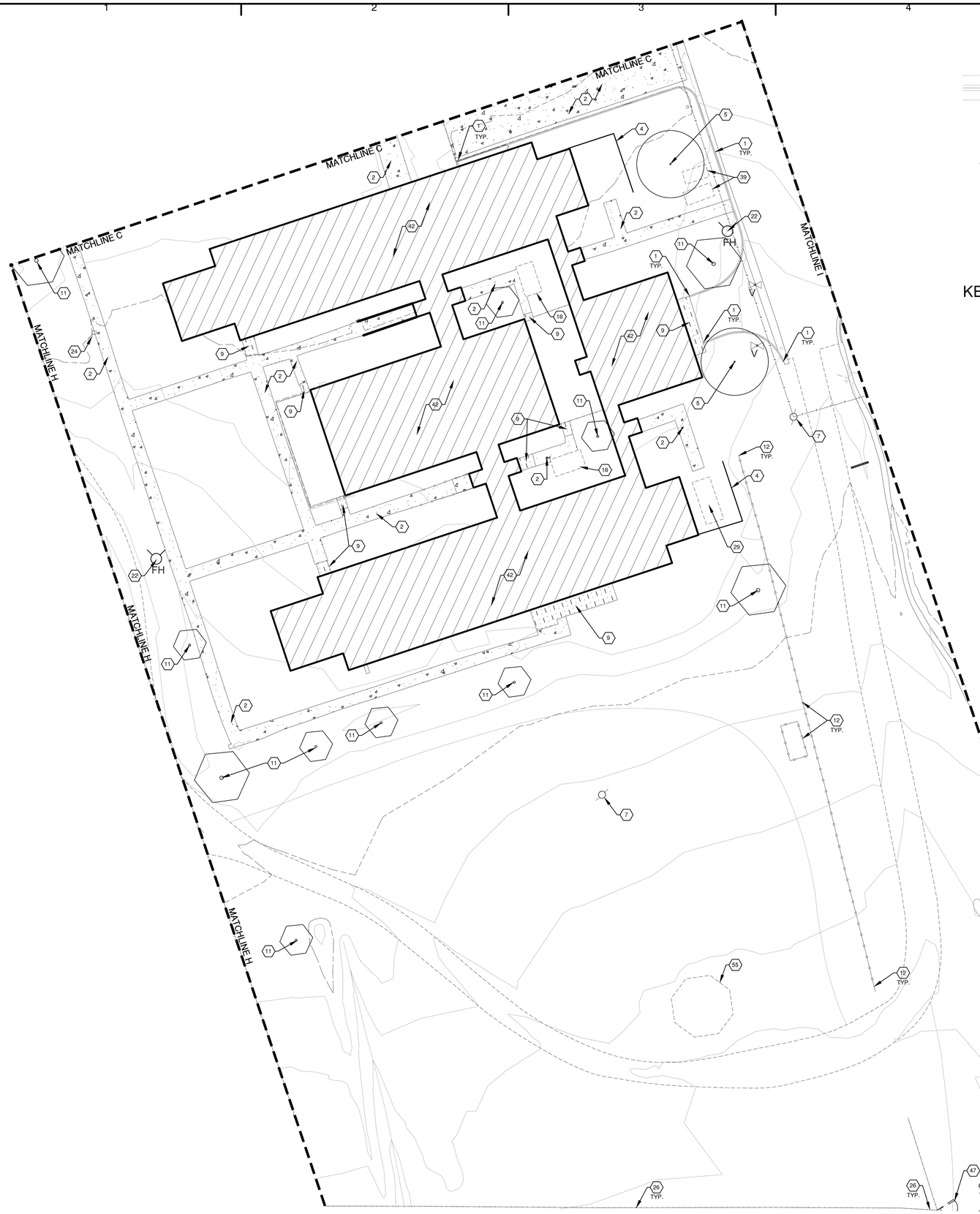
SITE DEMOLITION PLAN

LD-105

5/14/2020

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



KEY MAP - N.T.S.

DEMOLITION HATCH AND SYMBOL LEGEND

- EXISTING CONCRETE PAVEMENT TO BE REMOVED. SEE KEYED NOTE 2.
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- EXISTING BUILDING TO BE REMOVED. SEE KEYED NOTE 42.
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DEMOLITION GENERAL NOTES

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A1 SITE DEMOLITION PLAN
SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dzilth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

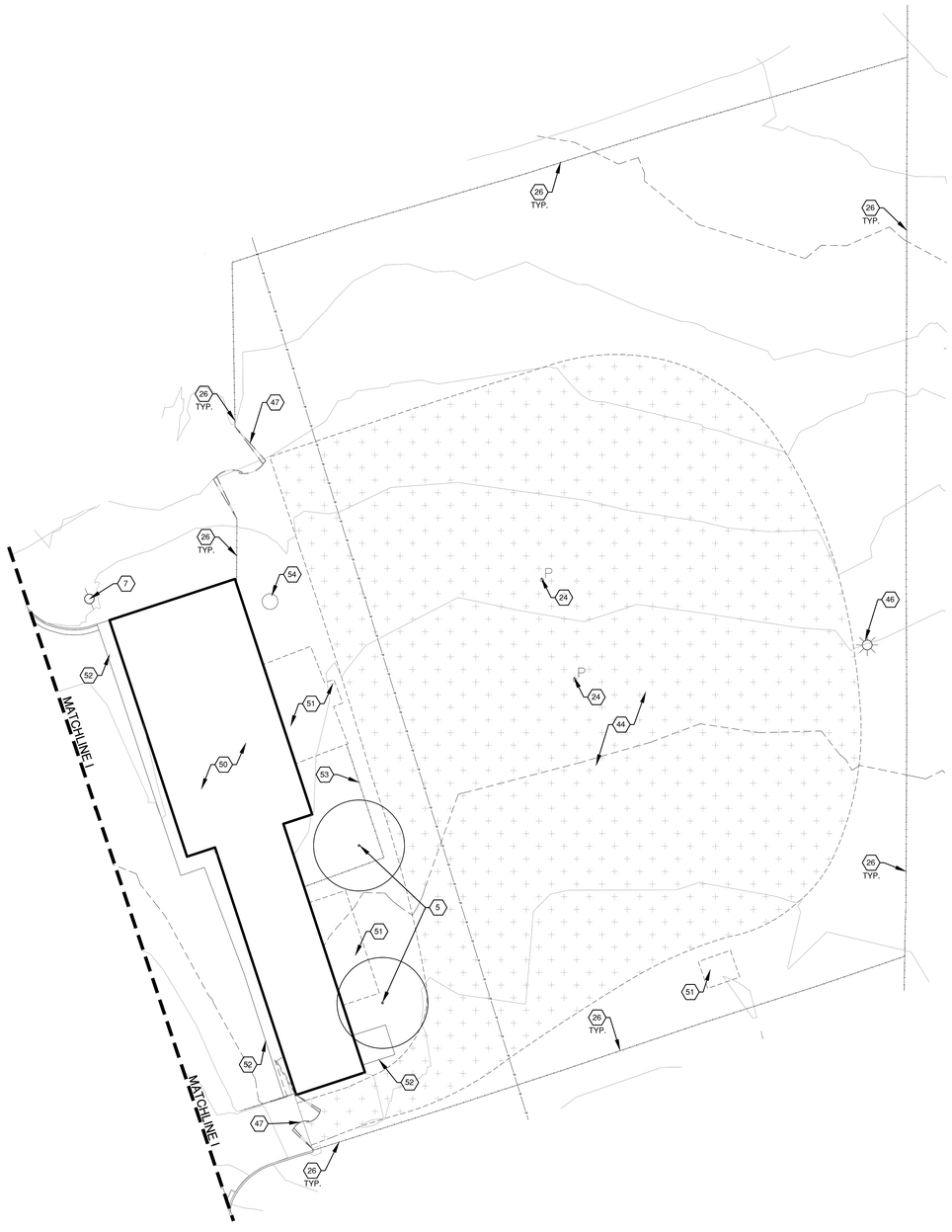
SHEET TITLE

SITE DEMOLITION PLAN

LD-106

Dzilth-Na-O-Dith-Hle Community School

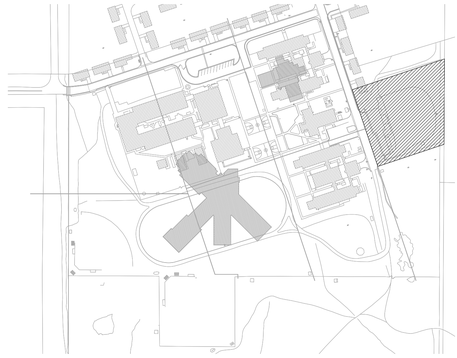
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 SITE DEMOLITION PLAN

0 20' 40'

SCALE: 1" = 20'



KEY MAP - N.T.S.

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- EXISTING CONCRETE PAVEMENT TO BE REMOVED. SEE KEYED NOTE 2.
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34. REMOVE AND DISPOSE OF EXISTING PLAYGROUND EDGING.
35. REMOVE AND DISPOSE OF EXISTING PIPE RAIL FENCE INCLUDING FOOTINGS.
36. REMOVE AND DISPOSE OF EXISTING RAISED PLANTER BED.
37. REMOVE AND DISPOSE OF EXISTING BENCH AND FOOTINGS.
38. SALVAGE EXISTING STORAGE SHED TO OWNER.
39. SALVAGE DUMPSTERS TO OWNER.
40. SALVAGE AND STOCKPILE EXISTING SECURITY STRUCTURE FOR REUSE. SEE SHEET LS-102.
41. REMOVE AND DISPOSE OF EXISTING YARD HYDRANT. CAP EXISTING WATER LINE AND ABANDON IN PLACE. SEE UTILIITY PLAN.
42. REMOVE AND DISPOSE OF BUILDING IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO: WALLS, ROOF, STRUCTURE, MECHANICAL, ELECTRICAL, PLUMBING, SLAB AND FOOTINGS. CAP OFF ALL UTILITY LINES AS NECESSARY. SEE UTILITY DEMOLITION PLANS, SITE CONSTRUCTION PLANS AND ARCHITECTURAL PLANS.
43. REMOVE AND DISPOSE OF EXISTING EXERCISE EQUIPMENT INCLUDING SURFACING, FOOTINGS, ETC. FILL AND COMPACT ALL VOIDS. FILL MATERIAL TO BE APPROVED BY OWNER'S REPRESENTATIVE.
44. REMOVE AND DISPOSE OF EXISTING GRAVEL.
45. SALVAGE AND STOCKPILE EXISTING CONCRETE PARKING BUMPERS. SEE SITE CONSTRUCTION PLAN.
46. EXISTING LIGHT POLE TO REMAIN.
47. EXISTING CHAIN LINK GATE TO REMAIN.
48. REMOVE AND DISPOSE OF EXISTING AIR HANDLING UNIT.
49. SALVAGE AND RETURN EXISTING BLEACHERS TO OWNER.
50. EXISTING MAINTENANCE BUILDING TO REMAIN. SEE ARCHITECTURAL.
51. EXISTING MAINTENANCE SHED TO REMAIN.
52. EXISTING CONCRETE PAVEMENT TO REMAIN.
53. EXISTING SITE WALL TO REMAIN.
54. EXISTING TANK TO REMAIN.
55. EXISTING STRUCTURE TO REMAIN.

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

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OCTOBER 2020

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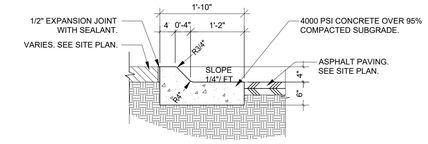
SITE DEMOLITION PLAN

LD-107

5/14/2020

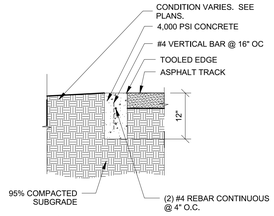
Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



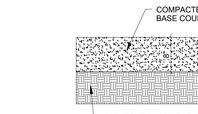
NOTES:
1. CONSTRUCT 1/2" EXPANSION JOINTS WITH SEALANT @ 20'-0" O.C. MAX AND WHERE CURB ABUTS ANOTHER HARD SURFACE.
2. CONSTRUCT 1 1/2" DEEP TOOLED CONTROL JOINTS @ 5'-0" O.C. MAX.
3. WHERE NEW CURB AND GUTTER ABUTS EXISTING, MATCH DIMENSIONS AND FLOW LINE OF EXISTING CURB AND GUTTER. CONTRACTOR SHALL FIELD VERIFY.

E1 MOUNTABLE CURB
SCALE: 3/4" = 1'-0"



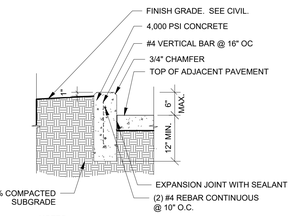
NOTES:
1. PLACE CONTROL JOINTS AT 5' O.C.
2. PLACE EXPANSION JOINTS AT 20' O.C. AND WHERE CURB ABUTS ANOTHER HARD SURFACE

E2 CONCRETE FLUSH HEADER CURB
SCALE: 3/4" = 1'-0"



NOTE:
1. SEE SPECIFICATIONS FOR GRANULAR BASE COURSE GRADATION, COMPACTION AND PLACEMENT REQUIREMENTS.
2. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

D2 COMPACTED BASE COURSE
SCALE: 3/4" = 1'-0"

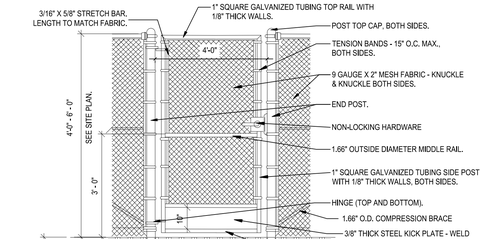


NOTES:
1. PLACE CONTROL JOINTS AT 5' O.C.
2. PLACE EXPANSION JOINTS AT 20' O.C. AND WHERE CURB ABUTS ANOTHER HARD SURFACE

E5 CONCRETE HEADER CURB
SCALE: 3/4" = 1'-0"

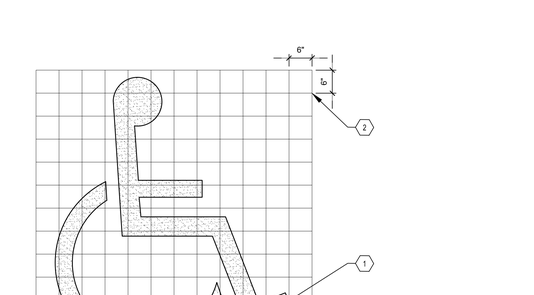
NOTE:
1. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY SIDEWALK LAYOUT WITH OWNER'S REPRESENTATIVE PRIOR TO FORMING AND POURING CONCRETE. NO EXCEPTIONS.
3. HEAVY DUTY CONCRETE SHALL BE 6" THICK WITH 6X6X10 GA. WELDED WIRE FABRIC IN CENTER OF SLAB.
4. STANDARD DUTY CONCRETE SHALL BE 4" THICK.
5. TURN DOWN EDGE AT ALL EXPOSED EDGES OF CONCRETE. SEE DETAIL A3/LS-502.

D1 CONCRETE PAVING
SCALE: 3/4" = 1'-0"

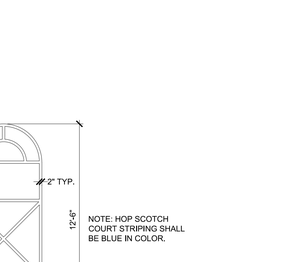


NOTES:
1. ROCK LINING TO BE INSTALLED TO FORM A STABLE STRUCTURE WITH A MINIMUM OF VOIDS AND EACH STONE PLACED IN CONTACT WITH ADJACENT ROCKS.
2. GRAVEL FILTER LAYER SHALL BE A MIXTURE OF CLEAN, WASHED SAND AND GRAVEL, COMPRISED OF MATERIAL LESS THAN 1 1/2" DIA. IN SIZE.

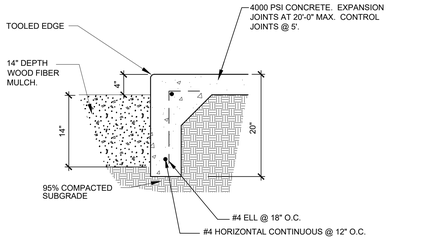
D2 ROCK SWALE
SCALE: 3/4" = 1'-0"



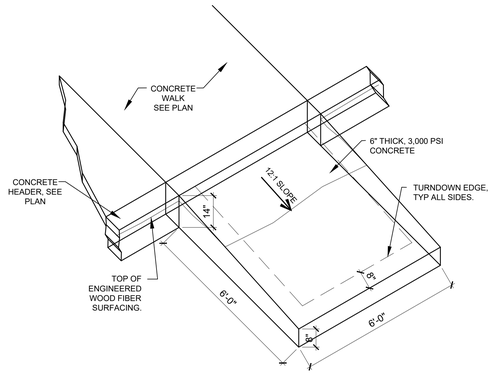
D4 VARIABLE DEPTH ENGINEERED WOOD FIBER
SCALE: NTS



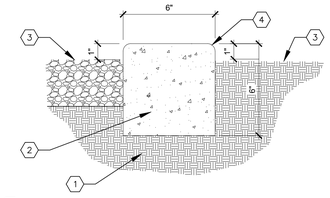
C5 FOUR SQUARE STRIPING
1/4" = 1'



B1 TURNDOWN EDGE AT PLAY AREA
SCALE: 1"=1'-0"



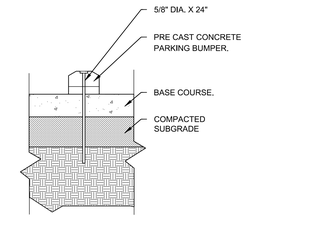
B2 PLAYGROUND ACCESS RAMP
SCALE: 1/2"=1'



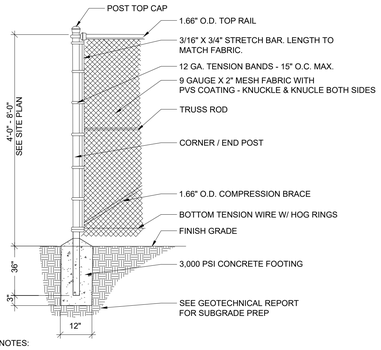
KEYED NOTES
1. SUBGRADE COMPACTED TO 95%.
2. 3500 PSI CONCRETE.
3. VARIES. SEE PLANS.
4. ¾" TOOLED EDGE.

GENERAL NOTES
A. PLACE CONTROL JOINTS @ 5'-0" O.C. with EXPANSION JOINTS @ 20'-0" O.C.

B4 6" CONCRETE MOWCURB
SCALE: 3"=1'-0"



B5 CONCRETE PARKING BUMPER
SCALE: 3/4" = 1'-0"



NOTES:
1. REFERENCE SPECIFICATIONS FOR TERMINAL/CORNER AND LINE POST SIZES.
2. REFERENCE SPECIFICATIONS FOR LINE POST SPACING.
3. SEE PLAN FOR GATES LOCATIONS AND TYPE.
4. WHENEVER POSSIBLE, ALL BOLTS AND FASTENERS SHALL BE PLACED SO THAT THE END PIECES PROJECT AWAY FROM PLAY AREAS, WALKWAYS, ETC. SO THERE ARE NO PROTRUDING ENDS.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

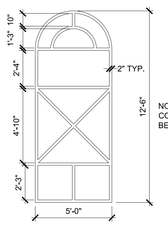
A1 4'-8' HT. CHAIN LINK FENCE
NTS

NOTE:
1. TERMINAL POSTS AT GATES SHALL BE SIZED PER THE SPECIFICATIONS, SEE PLAN FOR GATES LOCATIONS AND TYPE.
2. WHEN POSSIBLE, ALL BOLTS AND FASTENERS SHALL BE PLACED SO THAT THE END PIECES PROJECT AWAY FROM PLAY AREAS, WALKWAYS, ETC, SO THERE ARE NO PROTRUDING ENDS.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
4. WHERE FENCE IS LOCATED AT CONCRETE PAVEMENT, LOCATE POSTS AND FOOTINGS WITHIN LIMITS OF PAVEMENT.

A2 SINGLE CHAIN LINK GATE - 4' WIDE
NTS

KEYED NOTES
1 TRAFFIC RATED BLUE PAINT.
2 GRID SHOWN FOR PROPORTIONING ONLY.

A4 ACCESSIBLE PARKING SYMBOL
3/4" = 1'



A5 HOP SCOTCH STRIPING
1/4" = 1'

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ARCHITECT

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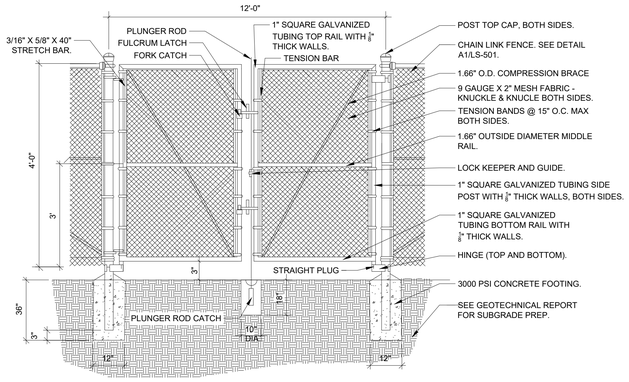
SHEET TITLE
SITE DETAILS

LS-501

5/14/2020

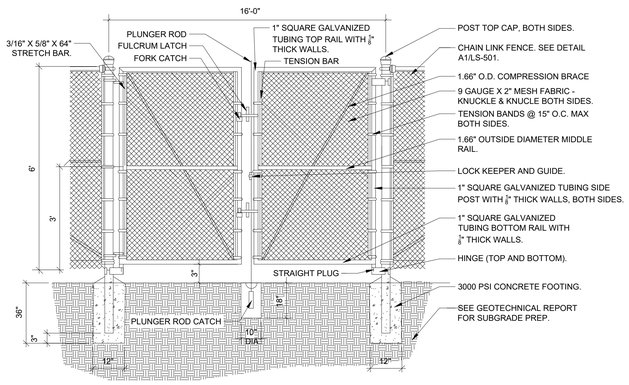
Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



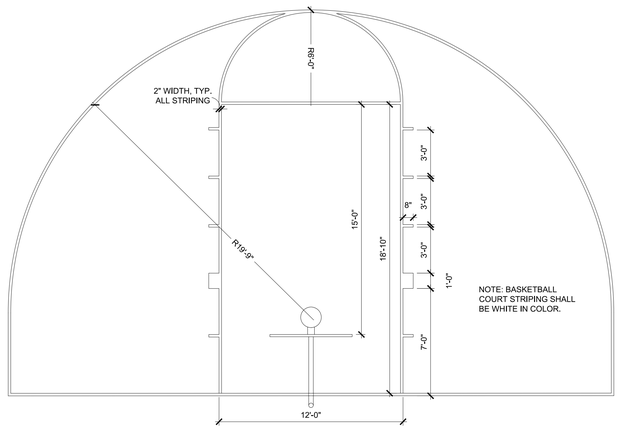
NOTES:
1. REFERENCE SPECIFICATIONS FOR POST SIZES.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

D1 4' HT. X 12' WIDE CHAIN LINK GATE
NTS

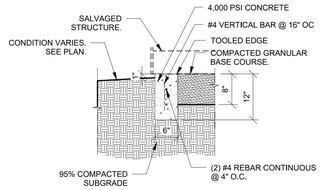


NOTES:
1. REFERENCE SPECIFICATIONS FOR POST SIZES.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

B1 6' HT. X 16' WIDE CHAIN LINK GATE
NTS

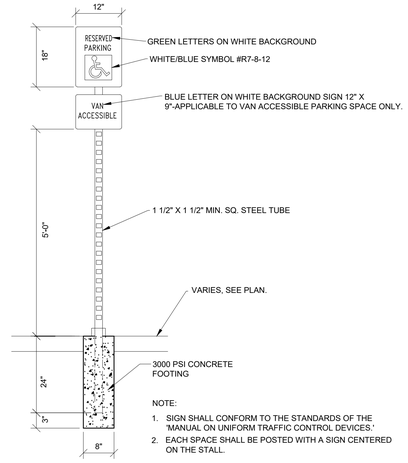


A1 BASKETBALL COURT STRIPING
1/4" = 1'



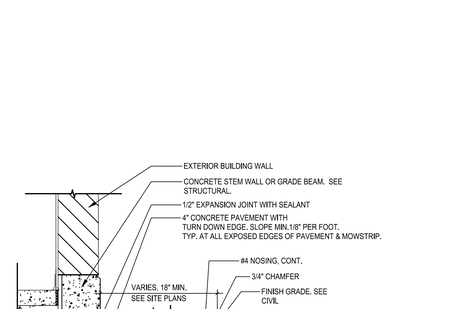
NOTES:
1. HEADER SHALL RUN PERPENDICULAR TO STRUCTURAL FOUNDATION BEAMS ON BOTH SIDES OF STRUCTURE. HEADER CURB SHALL RUN THE ENTIRETY OF STRUCTURE'S FOUNDATION.
1. PLACE CONTROL JOINTS AT 5' O.C.
2. PLACE EXPANSION JOINTS AT 20' O.C. AND WHERE CURB ABUTS ANOTHER HARD SURFACE. EMBED (2) 18" #4 STEEL DOWELS AT EACH EXPANSION JOINT.
3. SEE SPECIFICATIONS FOR GRANULAR BASE COURSE GRADATION, PLACEMENT AND COMPACTION REQUIREMENTS.

E3 CONCRETE HEADER CURB AT STRUCTURE
SCALE: 3/4" = 1'-0"



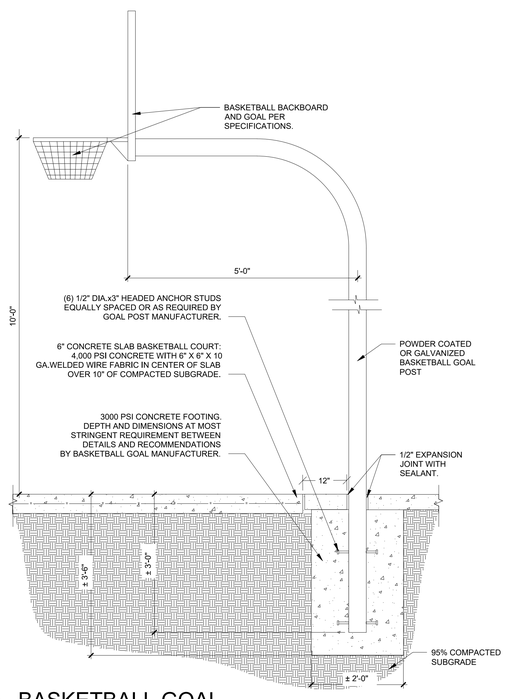
NOTE:
1. SIGN SHALL CONFORM TO THE STANDARDS OF THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.'
2. EACH SPACE SHALL BE POSTED WITH A SIGN CENTERED ON THE STALL.

C3 ACCESSIBLE PARKING SPACE SIGN
SCALE: 3/4" = 1'-0"

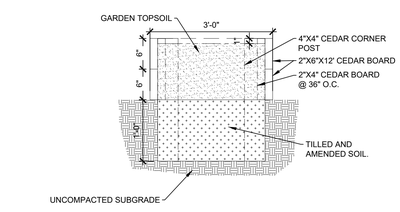


NOTES:
1. **TYPICAL @ ALL CONCRETE ADJACENT TO BUILDING**
2. **FOR HEAVY DUTY 6" CONCRETE PAVEMENT ONLY, EXTEND CONCRETE TURN DOWN EDGE TO 12" AT ALL EXPOSED EDGES.**

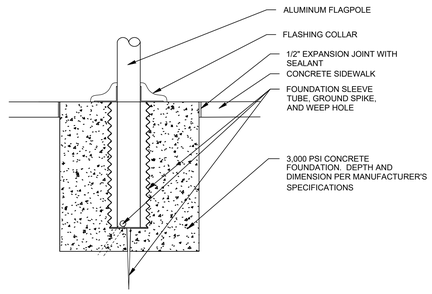
A3 MOWSTRIP & CONCRETE TURNDOWN
SCALE: N.T.S.



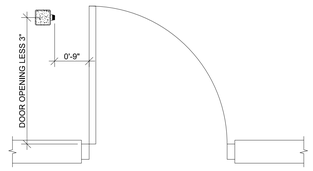
A4 BASKETBALL GOAL
SCALE: 3/4" = 1'-0"



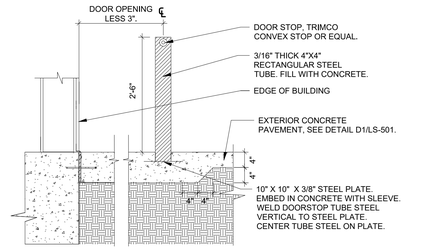
E5 RAISED PLANTER BED
N.T.S.



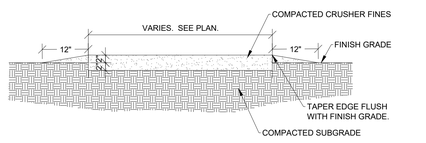
D5 FLAG POLE FOOTING
3/4" = 1'



C5 POST DOORSTOP PLAN
SCALE: 3/4" = 1'-0"



B5 POST DOORSTOP ELEVATION
SCALE: 3/4" = 1'-0"



NOTES:
1. ROLL CRUSHER FINES WITH WEIGHTED ROLLER IN BOTH DIRECTIONS TO COMPACT.

A5 COMPACTED CRUSHER FINE PATH
SCALE: 3/4" = 1'-0"

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LS-502

5/14/2020

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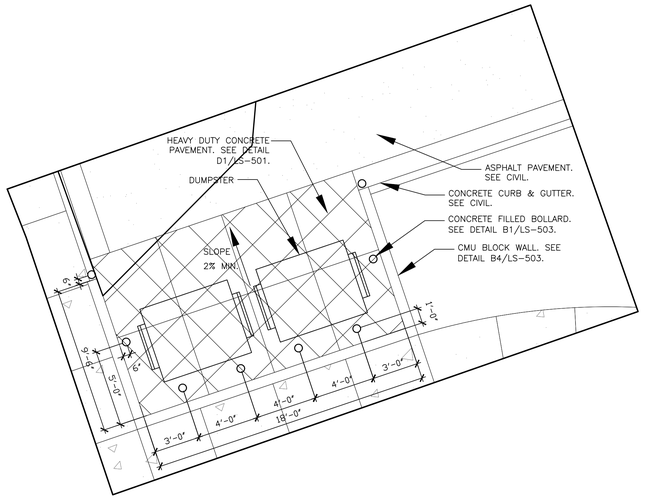
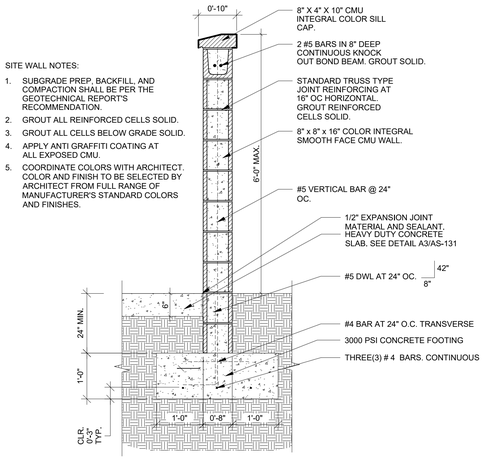
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



D1 ENLARGED SITE PLAN - DUMPSTER

0 20 40 SCALE: 1/4" = 1'-0"

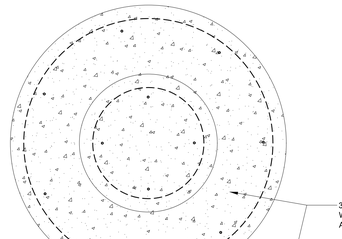


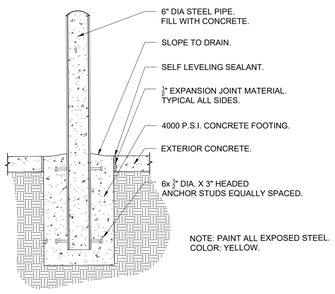
SITE WALL NOTES:

1. SUBGRADE PREP. BACKFILL, AND COMPACTION SHALL BE PER THE GEOTECHNICAL REPORT'S RECOMMENDATION.
2. GROUT ALL REINFORCED CELLS SOLID.
3. GROUT ALL CELLS BELOW GRADE SOLID.
4. APPLY ANTI GRAFFITI COATING AT ALL EXPOSED CMU.
5. COORDINATE COLORS WITH ARCHITECT. COLOR AND FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER'S STANDARD COLORS AND FINISHES.

D3 SITE MASONRY WALL

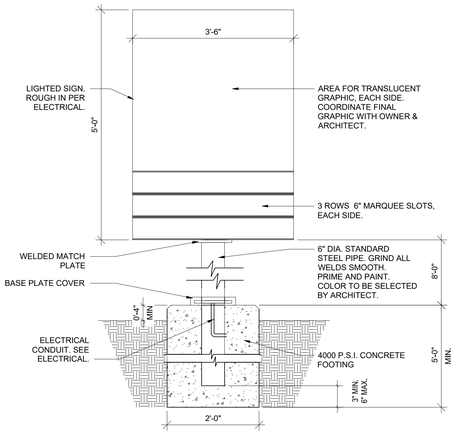
SCALE: 3/4" = 1' 0 1'-4" 2'-8"





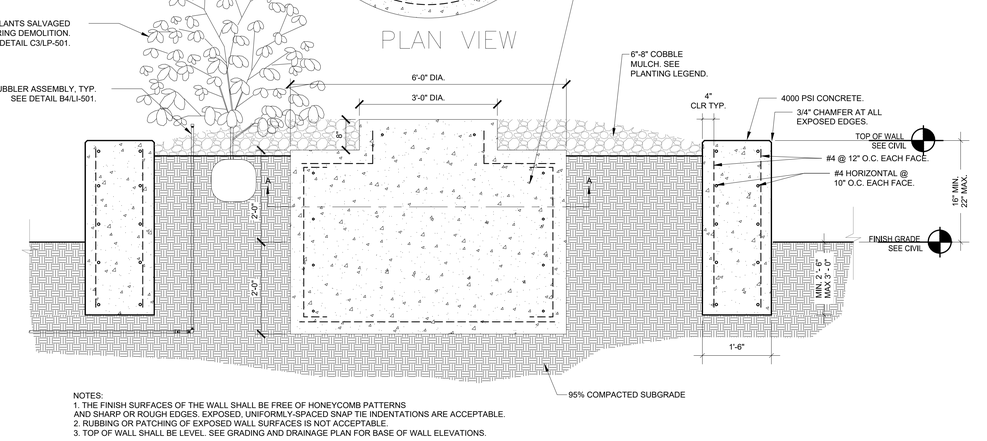
B1 CONCRETE FILLED BOLLARD

SCALE: N.T.S.



B2 POLE MOUNTED LED SIGN

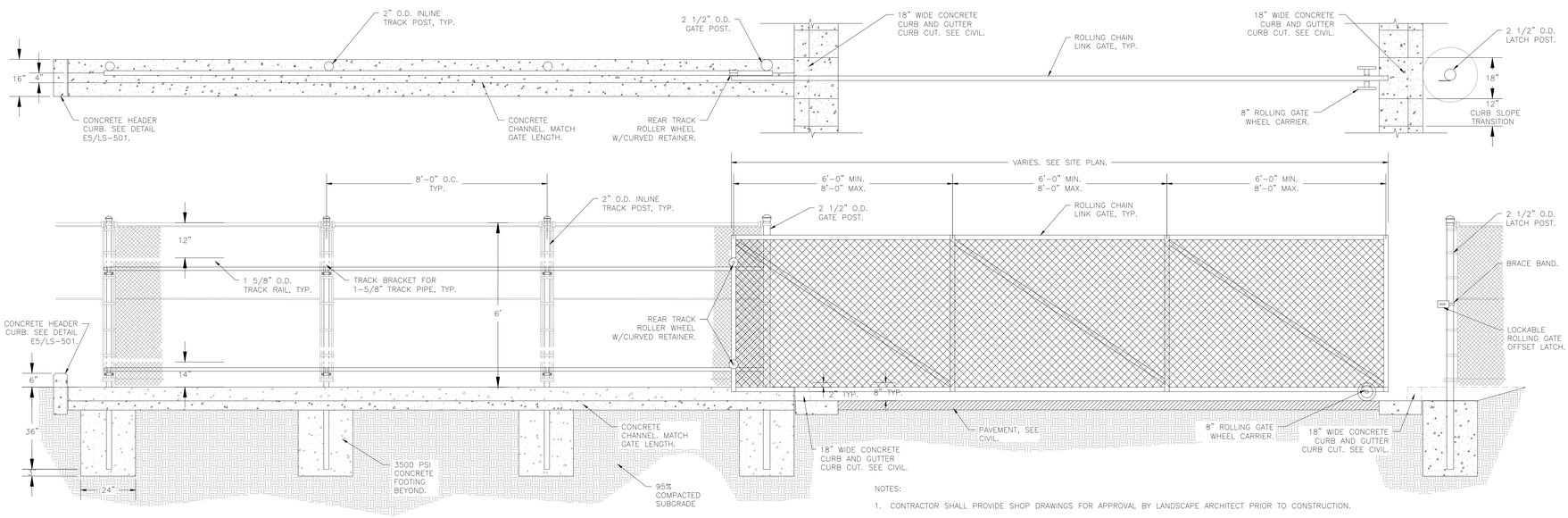
SCALE: 3/4" = 1' 0 1'-4" 2'-8"



NOTES:
1. THE FINISH SURFACES OF THE WALL SHALL BE FREE OF HONEYCOMB PATTERNS. AND SHARP OR ROUGH EDGES. EXPOSED, UNIFORMLY-SPACED SNAP TIE INDENTATIONS ARE ACCEPTABLE.
2. RUBBING OR PATCHING OF EXPOSED WALL SURFACES IS NOT ACCEPTABLE.
3. TOP OF WALL SHALL BE LEVEL. SEE GRADING AND DRAINAGE PLAN FOR BASE OF WALL ELEVATIONS.

B4 MUSTANG SCULPTURE BASE

SCALE: 3/4" = 1' 0 1'-4" 2'-8"



NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

A1 ROLLING CHAIN LINK GATE

SCALE: N.T.S.

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE
SITE DETAILS

LS-503

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

PLAY EQUIPMENT GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH ALL PLAY EQUIPMENT AND ASSOCIATED SITE IMPROVEMENTS AS SPECIFIED AND DESCRIBED ON THIS PLAN.

B. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO CONSTRUCT ALL PLAY EQUIPMENT, SHADE STRUCTURES, AND ASSOCIATED SITE IMPROVEMENTS AS SPECIFIED AND DESCRIBED ON THIS PLAN.

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D. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE AN "AS-BUILT" DRAWING WHICH DOCUMENTS THAT EACH PIECE OF PLAY EQUIPMENT IS CONSTRUCTED WITH THE REQUIRED USE ZONE AND THAT NO USE ZONES OVERLAP.

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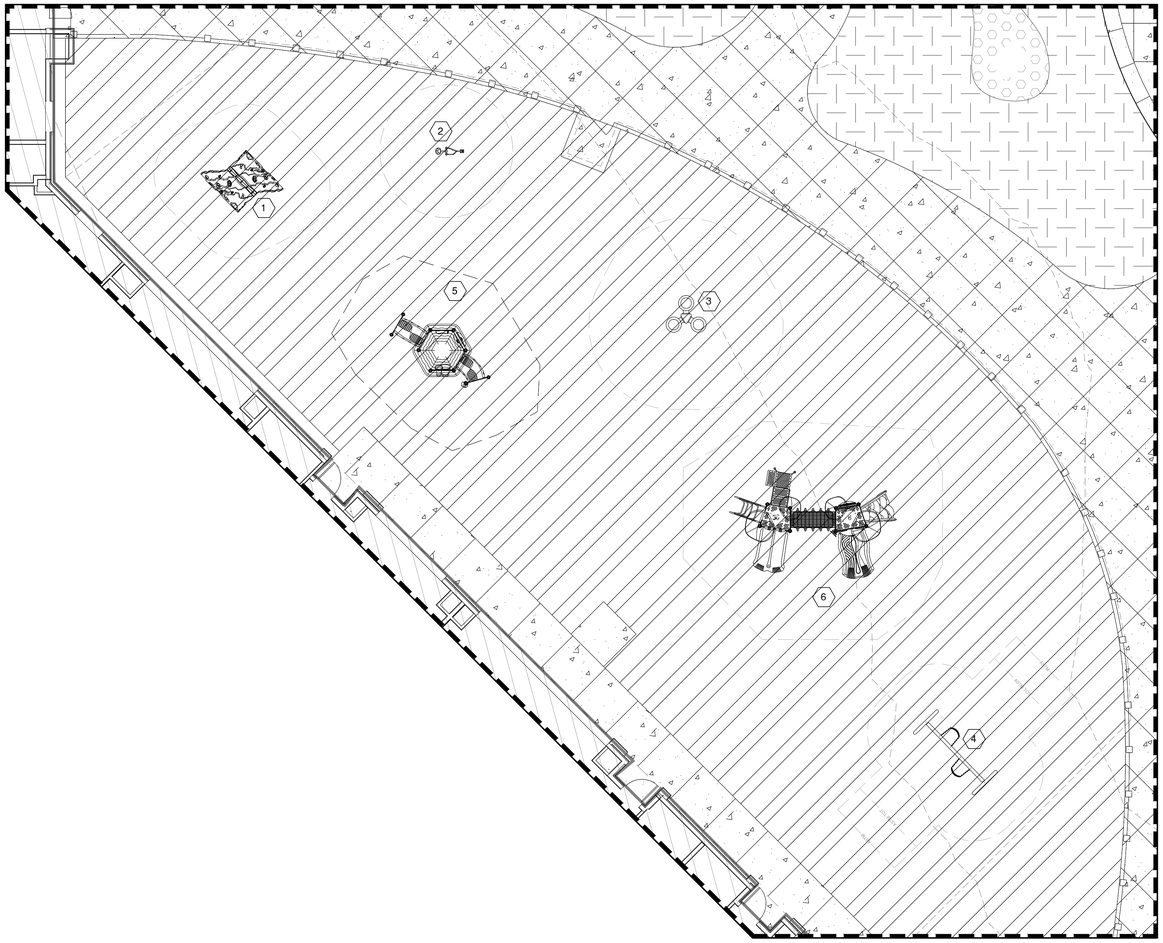
F. CONTRACTOR SHALL BE A MANUFACTURER CERTIFIED INSTALLER AND HAVE A NATIONAL RECREATION AND PARK ASSOCIATION CERTIFIED PLAYGROUND SAFETY INSPECTOR ON STAFF.

G. PLAYGROUND EQUIPMENT COLORS TO BE SELECTED BY OWNER.

HATCH LEGEND

- PLAYGROUND SURFACING.
- REVEGETATION SEEDING, 'NATIVE WONDER' BLEND.
- 4" THICK CONCRETE PAVEMENT. SEE CIVIL.
- 8" DEPTH 6-8" ANGULAR ROCK MULCH. SEE DETAIL D2/LS-501.
- ASPHALT PAVEMENT. SEE CIVIL.



A1 FACE PLAYGROUND ENLARGEMENT
0 8' 16'
SCALE: 1/8" = 1' - 0"

2 FACE PLAYGROUND - PLAYWORLD STANDARD EZ DIGGER MODEL XX0416

QUANTITY	MODEL NUMBER	DESCRIPTION
1	AAR0210	FRAME - DIGGER CENTER POST
1	BAD0070	1-1/2" GR200 BALL
1	BAE0661	BOLT - 3/8"-16x1/2" BUTTON HEAD - S.S.
2	BAE0922	TOOL - TT 45 L WRENCH
1	EZA___	EZ DIGGER - STANDARD
1	ALB0025	LABEL - AGE APPROPRIATE SHEET

1 FACE PLAYGROUND - PLAYWORLD ROCKBLOCKS CLIMBING TUNNEL MODEL XX0407

QUANTITY	MODEL NUMBER	DESCRIPTION
6	AAU0067	HANDLE - SMALL
6	AAU0068	HANDLE - MEDIUM
6	AAU0069	HANDLE - LARGE
1	ABC0304	BRACKET - 58.00" x 6.56" x 2.84" W/2 BENDS & 10 HOLES
2	AFR0371	FRAME - 82" X 27-11/32" x 2-27/32"
1	APT0406	POST - 1.90" x 58.75" W/PART. FLAT & INSERT
18	BAE0595	WASHER - 3/8" SAE FLAT
33	BAE0600	WASHER - 1" O.D. FLAT
18	BAE0632	NUT - 3/8"-16 x 1-1/4" BARREL W/PATCH
23	BAE0663	NUT - 3/8"-16 x 7/16" BUTTON HEAD
9	BAE06673	BOLT - 3/8"-16 x 2" BUTTON HEAD - S.S.
15	BAE06677	BOLT - 3/8"-16 x 2-3/4" BUTTON HEAD - S.S.
18	BAE06682	BOLT - 3/8"-16 x 3-1/4" BUTTON HEAD - S.S.
2	BAE0922	TOOL - TT 45 L WRENCH
1	BAE0906	TOOL - 5/16" SHORT HEX KEY WRENCH
1	BAE0910	TOOL - 1/4" SHORT HEX KEY WRENCH
6	BFC0734	SHEET - .50" x 4.61" x 3.01" SMALL FILLER
6	BFC0735	SHEET - .50" x 5.79" x 3.74" SMALL FILLER
6	BFC0736	SHEET - .50" x 6.83" x 3.92" SMALL FILLER
2	BPL0091	CLIMBER - 7' TO 5' CURVED WALL SECTION
1	ASY0589	LABEL KIT - 18 MTHS - 12 YRS ASTM, CSA, FRENCH

6 FACE PLAYGROUND - PLAYWORLD DESIGN #PFS-701

QUANTITY	MODEL NUMBER	DESCRIPTION
2	ZZCH0018	3.5IN OD X 124IN STEEL POST W/ RIVETED CAP
2	ZZCH0028	3.5IN OD X 136IN STEEL POST W/RIVETED CAP
2	ZZCH0039	3.5IN OD X 148IN STEEL POST W/O CAP
2	ZZCH0049	3.5IN OD X 160IN STEEL POST W/O CAP
2	ZZCH0636	DOUBLE SLIDE VINYL DECK ASSEMBLY
1	ZZCH2007	TRANSFER STATION W/TALL GUARDRAIL (36IN DECK)
1	ZZUN2019	APPROACH STEP FOR TRANSFER STATION
1	ZZCH2727	TWIST AND SHOUT (48IN DECK)
1	ZZCH3116	DOUBLE GLIDE SLIDE (36IN DECK)
1	ZZCH4290	POST MOUNTED STEERING WHEEL
1	ZZCH4646	STORE FRONT PANEL
1	ZZCH4807	OVAL INSERT PANEL (DECK MOUNT)
1	ZZCH4793	CONSTRUCTION PANEL INSERT
1	ZZCH7400	DEEP RUNG ARCH CLIMBER (36IN DECK)
1	ZZCH7439	ROCK CLIMBER
1	ZZCH6478	CRAZY BONES 6FT X 1FT RISE BRIDGE
2	ZZCH9848	MEDIUM LOLLITOPS
2	ZZCH9849	LARGE LOLLITOPS
1	ZZCHGUID	CHALLENGER GUIDELINES
1	ZZUN9910	SURFACING WARNING LABEL KIT
1	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL
1	ZZUN9990	TOOL AND ADDITIONAL PARTS W/ AEROSOL

3 FACE PLAYGROUND - PLAYWORLD TRIPLE SHOOTOUT MODEL XX1051

QUANTITY	MODEL NUMBER	DESCRIPTION
3	ABC0038	BRACKET - 12"x9-3/4"x11 GA. W/4 HOLES
1	APT0092	POST - SHOOTOUT FOOTING
12	BAE0595	WASHER - 3/8" SAE FLAT
36	BAE0600	WASHER - 1" O.D. FLAT
21	BAE0620	NUT - 3/8"-16 LOCK W/NYLON CAP
15	BAE0662	BOLT - 3/8"-16x1-1/4" TAMPER RESISTANT
12	BAE0668	BOLT - 3/8"-16x2-1/2" BUTTON HEAD - S.S.
6	BAE0679	BOLT - 1/2"-13x1-1/4" HEX HEAD
12	BAE0690	WASHER - 1/2" SAE FLAT
6	BAE0720	NUT - 1/2"-13 LOCK
1	BAE0915	BIT - 3/8" TAMPER RESISTANT
12	BPL0300	CAP - 3/8" BOLT
3	BPL4005	GOAL - SHOOTOUT NET
1	BPL4010	CAP - SHOOTOUT
3	BPM9050	POST - 120" COATED SIDE FOR SHOOTOUT
1	BAE0922	TOOL - TT 45 L WRENCH
1	ASY0590	LABEL KIT - 5 YRS - 12 YRS ASTM, CSA, FRENCH

4 FACE PLAYGROUND - PLAYWORLD 5" O.D. ALUMINUM ARCH SWING W/8' TOP RAIL MODEL XX0833

QUANTITY	MODEL NUMBER	DESCRIPTION
4	104467	BOLT - 7/16"-14x1-1/2" BUTTON HEAD PART THREADED
4	984429	CLEVIS - SWING HANGER
1	AFR2010	SWING TOP RAIL - 5" O.D. x 126"
2	APT0144	POST - 5" O.D. x 133-1/2" ALUMINUM ARCH SUPPORT
2	BAE0620	NUT - 3/8"-16 LOCK W/NYLON CAP
4	BAE0630	SCREW - 3/8"-16x1/2" SOCKET SET S.S.
4	BAE0667	BOLT - 3/8"x1-1/4" BUTTON HEAD W/NYLON PATCH
2	BAE06686	BOLT - 3/8"-16x5-1/2" BUTTON HEAD - S.S.
1	BAE0922	TOOL - TT 45 L WRENCH
1	BAE0905	WRENCH - 3/16" HEX KEY
1	ALB0025	LABEL - AGE APPROPRIATE SHEET
1	BAB0032	LABEL - TAMPER RESISTANT SURFACE WARNING

5 FACE PLAYGROUND - PLAYWORLD DESIGN #PFS-700

QUANTITY	MODEL NUMBER	DESCRIPTION
4	ZZCH0007	3.5IN OD X 100IN STEEL POST W/ RIVETED CAP
6	ZZCH0193	3.5IN OD X 112IN STEEL POST W/O CAP
1	ZZCH4646	STORE FRONT PANEL
1	ZZCH5656	PASSAGE ADVENTURE TUBE (GROUND LEVEL)
1	ZZCH5666	BEND ADVENTURE CRAWL TUBE (GROUND LEVEL)
1	ZZCH4556	7IN BELL (POST MOUNT)
1	ZZCH4558	9IN BELL (POST MOUNT)
1	ZZCH4587	DRUM PANEL (GROUND LEVEL)
1	ZZCH4611	HORN PANEL (GROUND LEVEL)
1	ZZCH9858	CH HEX CABANA ROOF
1	ZZCHGUID	CHALLENGER GUIDELINES
1	ZZUN9910	SURFACING WARNING LABEL KIT
1	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL
1	ZZUN9990	TOOL AND ADDITIONAL PARTS W/ AEROSOL

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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CHECKED BY:	WM

SHEET TITLE

FACE PLAYGROUND ENLARGEMENT

LS-504

5/14/2020

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

HATCH LEGEND

PLAYGROUND SURFACING.

REVEGETATION SEEDING, 'NATIVE WONDER' BLEND.

4" THICK CONCRETE PAVEMENT. SEE CIVIL.

8" DEPTH 6-8" ANGULAR ROCK MULCH. SEE DETAIL D2/LS-501.

ASPHALT PAVEMENT. SEE CIVIL.

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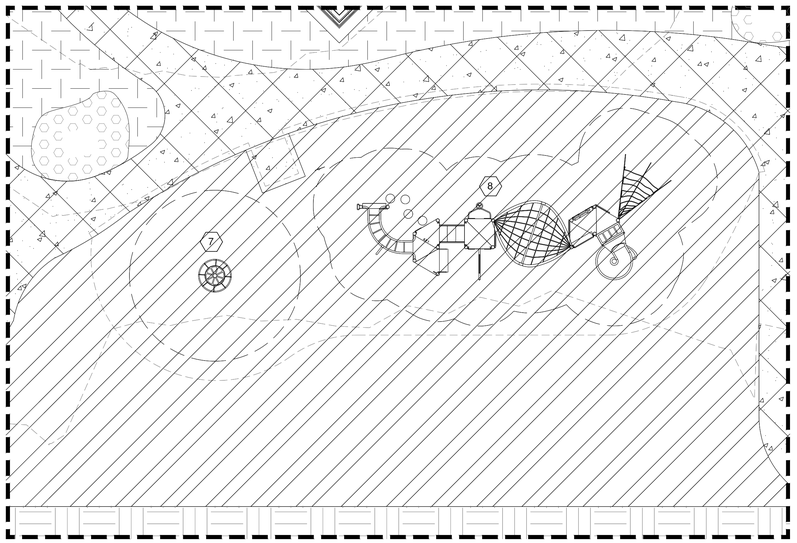

8	LSI PLAYBOOSTER DESIGN #6321	
QUANTITY	MODEL NUMBER	DESCRIPTION
1	219509B	GEOPLEX CLIMBER 72" DK
1	148432B	CORKSCREW PERM HANDHOLDS 64" DK DB
1	152907C	DECK LINK WITH BARRIERS STEEL END PANELS 3 STEPS
1	204176A	FLEX CLIMBER WITH PERMALENE HANDHOLD EQUAL DECKS 64" DK
1	176080A	LOGO CLIMBER 56" DK DB
1	156916A	POD CLIMBER NO HANDSUPPORTS 24" DK DB LEFT MOUNTED HANDHOLD
1	148039A	STAR SEEKER DB ONLY ATTACHED TO TRIANGULAR DECK
2	122197A	90° TRIANGULAR TENDERDECK
2	121948A	KICK PLATE 8" RISE
1	185852A	TRANSFER STEP WITH 2 HANDLOOPS DB
2	119646A	TRI-DECK EXTENSION
1	121949A	TRI-DECK KICK PLATE 8" RISE
4	111231A	TRIANGULAR TENDERDECK
1	116244A	PIPE BARRIER ABOVE DECK
1	120901A	GRAB BAR
1	120902A	HANDHOLD LEG LIFT
1	120818A	PLAYSTRUCTURE SEAT
1	142890A	2' 90° HORIZONTAL LADDER DB
1	141887B	ACCESS/LANDING ASSEMBLY SEAT BARRIER LEFT 16" DK
1	222708A	WHOOSHWINDER SLIDE 72" DK DB
2	111404F	108" ALUM POST DB
4	111404E	116" ALUM POST DB
1	111404C	132" ALUM POST DB
1	111404B	140" ALUM POST DB
1	111404N	140" STEEL POST DB
4	111404M	148" STEEL POST DB
2	111404W	156" STEEL POST DB
1	111404H	92" ALUM POST DB
1	158997A	POD CLIMBER 10" DB
1	120710A	POD CLIMBER 8" DB
1	182503C	WELCOME SIGN (LSI PROVIDED) AGES 5-12 YEARS DIRECT BURY

7	LSI TOPSY TURNY SPINNER DESIGN #6159	
QUANTITY	MODEL NUMBER	DESCRIPTION
1	205800A	TOPSYTURNY SPINNER 42" BURY DB ONLY

PLAYGROUND EQUIPMENT ALTERNATES

A. FOR PLAYBOOSTER DESIGN #6321:

1. FOREST RUNNER MODEL #11918 AS AVAILABLE FROM GAMETIME (800)-235-2440.
2. TOTS CHOICE EXPANSION STRUCTURE MODEL #704-S068J AS AVAILABLE FROM MIRACLE RECREATION (888)-458-2752.

B. FOR TOPSY TURNY SPINNER DESIGN #6159:

1. KIDNETIX AXIS MODEL #3147 AS AVAILABLE FROM GAMETIME (800)-235-2440.
2. CYCLO CONE BASE CLIMBER MODEL #306-1 AS AVAILABLE FROM MIRACLE RECREATION (888)-458-2752

A1 5-12 PLAYGROUND ENLARGEMENT

SCALE: 1/8" = 1' - 0"

5/14/2020

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ARCHITECT

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SHEET TITLE

5-12 PLAYGROUND ENLARGEMENT

LS-505

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

HATCH LEGEND

PLAYGROUND SURFACING.

REVEGETATION SEEDING, 'NATIVE WONDER' BLEND.

4" THICK CONCRETE PAVEMENT. SEE CIVIL.

8" DEPTH 6-8" ANGULAR ROCK MULCH. SEE DETAIL D2/LS-501.

ASPHALT PAVEMENT. SEE CIVIL.

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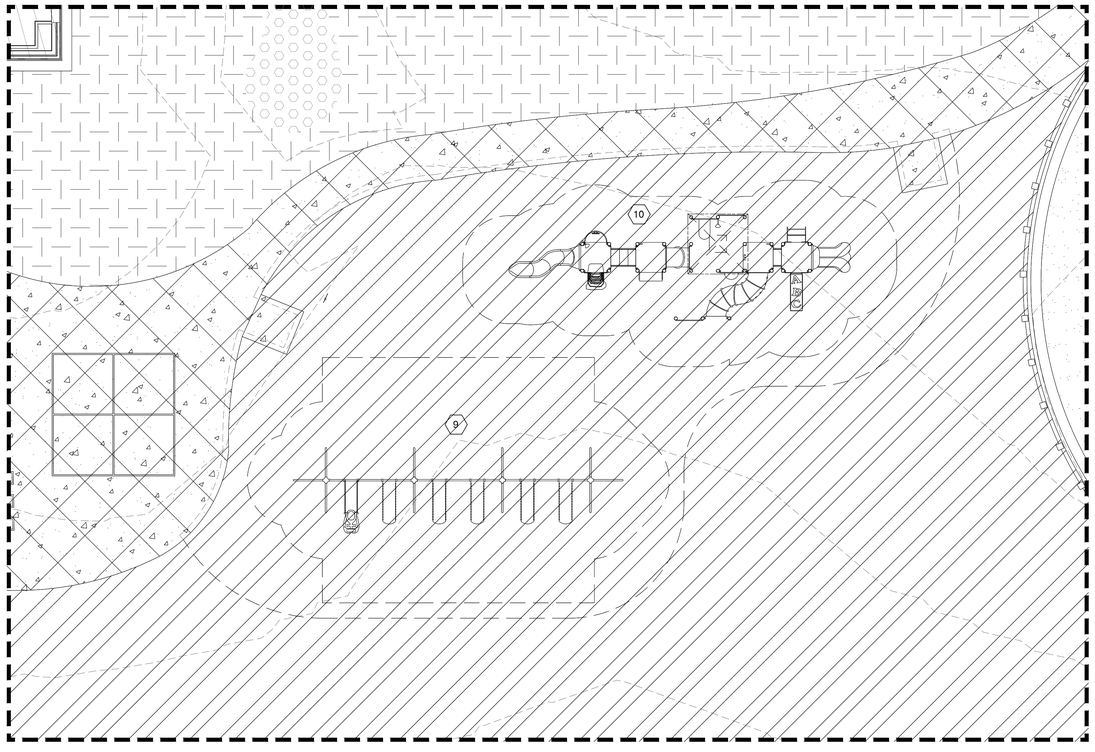
F. CONTRACTOR SHALL BE A MANUFACTURER CERTIFIED INSTALLER AND HAVE A NATIONAL RECREATION AND PARK ASSOCIATION CERTIFIED PLAYGROUND SAFETY INSPECTOR ON STAFF.

G. PLAYGROUND EQUIPMENT COLORS TO BE SELECTED BY OWNER.



A1 2-5 PLAYGROUND ENLARGEMENT
0 8' 16'
SCALE: 1/8" = 1' - 0"

10	LSI PLAYBOOSTER DESIGN #2489	
QUANTITY	MODEL NUMBER	DESCRIPTION
1	152431A	ABC CLIMBER 32" DK DB
1	152907A	DECK LINK WITH BARRIERS STEEL END PANELS 1 STEP
1	152907C	DECK LINK WITH BARRIERS STEEL END PANELS 3 STEPS
1	153076A	MINI SUMMIT CLIMBER 48" DK DB
1	123284A	WIGGLE LADDER 32" DK DB
1	122197A	90° TRIANGULAR TENDERDECK
1	121948A	KICK PLATE 8" RISE
4	111228A	SQUARE TENDERDECK
1	185852A	TRANSFER STEP WITH 2 HANDLOOPS DB
1	111240B	BALCONY DECK WITH WHEEL
1	115223A	BUBBLE PANEL ABOVE DECK
1	115253A	HOLE PANEL
1	130565A	TABLE PANEL DB
2	120901A	GRAB BAR
1	111362A	TALK TUBE 40' TUBING KIT PB
1	111362A	TALK TUBE AT GRADE MOUNTED DB ONLY
1	111363F	TALK TUBE DECK MOUNTED 48" DK DB ONLY
1	111357B	TURNING BAR ALUM DB
1	130102B	SUPER SQUARE SHINGLE ROOF POLY
1	145838A	LAVA RUN SLIDE DB
1	124863C	SLIDEWINDER2 48" DK DB 1 RIGHT 1 LEFT
1	122589B	OFFSET CRAWL TUNNEL 16" OFFSET DECK TO GROUND
1	117088B	S INCLINED TUNNEL DB 16" DK
4	111404G	100" ALUM POST DB
4	111404F	108" ALUM POST DB
4	111404D	124" ALUM POST DB
4	111403H	126" ALUM POST DB
4	111404I	84" ALUM POST DB
4	111404H	92" ALUM POST DB
1	182503A	WELCOME SIGN (LSI PROVIDED) AGES 2-5 YEARS DIRECT BURY

9	LSI 5000 SERIES SWING DESIGN #4192	
QUANTITY	MODEL NUMBER	DESCRIPTION
1	174011A	5000 SERIES SWING FRAME 8' BEAM HEIGHT GALVANIZED LEGS
2	177323A	5000 SERIES SWING FRAME ADDITIONAL BAY 8' BEAM HEIGHT GALVANIZED LEGS
5	174018A	BELT SEAT W/PROGUARD CHAINS FOR 8' BEAM HEIGHT
1	218671	MOLDED SEAT (2-5)/HARNESS W/PROGUARD CHAINS FOR 8' BEAM HEIGHT

PLAYGROUND EQUIPMENT ALTERNATES

A. FOR PLAYBOOSTER DESIGN #2489:
1. TIMBER CREEK MODEL #PT16024 AS AVAILABLE FROM GAMETIME (800)-235-2440.
2. CENTER STAGE STRUCTURE MODEL #714-S562 AS AVAILABLE FROM MIRACLE RECREATION (888)-458-2752.

B. FOR 5000 SERIES SWING DESIGN #4192:
1. POWERSCAPE SWING FRAME WITH 3-BAYS, 5 BELT SEATS & 1 INCLUSIVE SWING SEAT MODEL #10847 AS AVAILABLE FROM GAMETIME (800)-235-2440.
2. ARCH SWINGS WITH 3 BAYS, 5 BELT SEATS & 1 INCLUSIVE SWING SEAT MODEL #718-852-5SW-2740 AS AVAILABLE FROM MIRACLE RECREATION (888)-458-2752.

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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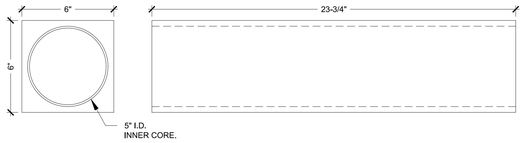
SHEET TITLE
2-5 PLAYGROUND ENLARGEMENT

LS-506

5/14/2020

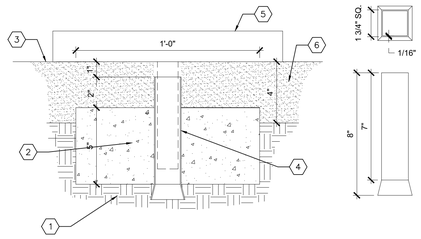
Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



E1 4-WAY PITCHING RUBBER - 6"X24"

SCALE: 3"=1'-0"

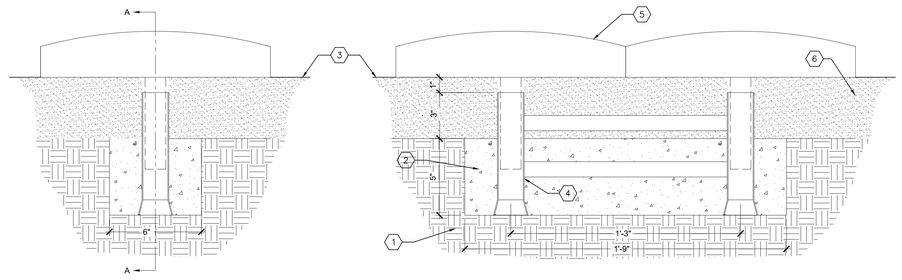


KEYED NOTES

1. SUBGRADE COMPACTED TO 95%.
2. 3500 PSI CONCRETE.
3. FINISH GRADE.
4. BASE ANCHOR.
5. DOUBLE BASE.
6. INFIELD MIX.

D1 BASEBALL BASE ANCHOR

SCALE: 3"=1'-0"

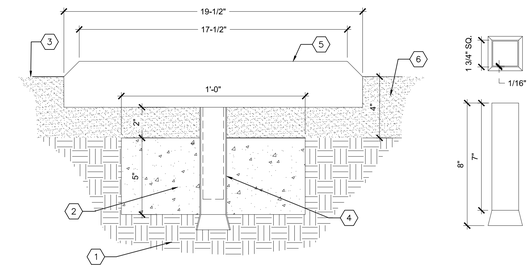


KEYED NOTES

1. SUBGRADE COMPACTED TO 95%.
2. 3500 PSI CONCRETE.
3. FINISH GRADE.
4. BASE ANCHOR.
5. DOUBLE BASE.
6. INFIELD MIX.

D2 BASEBALL DOUBLE BASE ANCHOR

SCALE: 3"=1'-0"

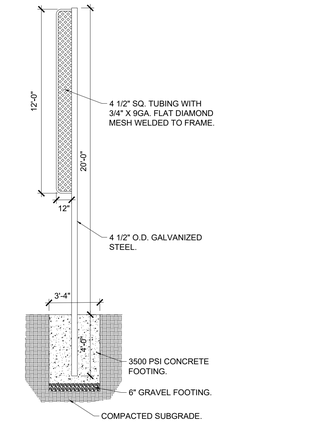


KEYED NOTES

1. SUBGRADE COMPACTED TO 95%.
2. 3500 PSI CONCRETE.
3. FINISH GRADE.
4. BASE ANCHOR.
5. HOME PLATE WITH BEVELED EDGE.
6. INFIELD MIX.

D5 BASEBALL HOME PLATE

SCALE: 3"=1'-0"

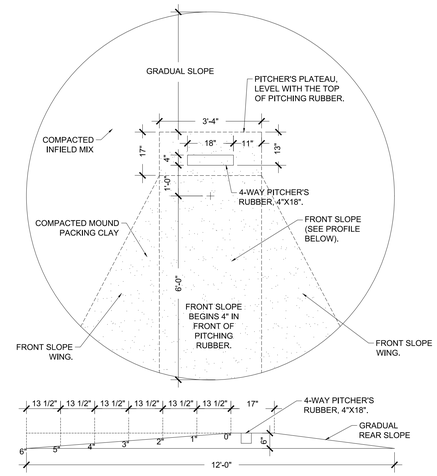


NOTE:

FINISH: POWDER COAT YELLOW. ALL WELDS GROUND SMOOTH. ALL HARDWARE SHALL BE ZINC COATED.

C5 FOUL BALL POLE

SCALE: 1/4" = 1'



NOTE:

1. TOP OF PITCHER'S MOUND SHALL BE 6" ABOVE HOME PLATE.
2. FOR 60' FIELD: CENTER OF MOUND SHALL BE 45' FROM THE APEX OF HOME PLATE, ALIGNED FROM THE APEX THROUGH THE CENTER OF 2ND BASE. FRONT, CENTER EDGE OF PITCHING RUBBER SHALL BE 46' FROM THE APEX OF HOME PLATE ALONG THE SAME LINE.
2. FOR 70' FIELD: CENTER OF MOUND SHALL BE 47' FROM THE APEX OF HOME PLATE, ALIGNED FROM THE APEX THROUGH THE CENTER OF 2ND BASE. FRONT, CENTER EDGE OF PITCHING RUBBER SHALL BE 48' FROM THE APEX OF HOME PLATE ALONG THE SAME LINE.

A5 PITCHER'S MOUND - 6" HT.

SCALE: 1/2" = 1'

NOTES:

1. REFERENCE SPECIFICATIONS FOR FENCE POST SIZES.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
3. POST AND ROOF COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT FROM FULL RANGE OF OPTIONS.
4. BENCHES SHALL BE 6' THERMO-PLASTIC COATED PERFORATED EXPANDED STEEL WITH BACK, MODEL 940S-EP6B, AS AVAILABLE FROM BELSON OUTDOORS, LLC (630) 897-8489, OR APPROVED EQUAL. COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT FROM A FULL RANGE OF COLOR OPTIONS. EMBED MOUNT PER MANUFACTURER'S SPECIFICATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

A1 CHAIN LINK DUGOUT

SCALE: N.T.S.

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

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SHEET TITLE

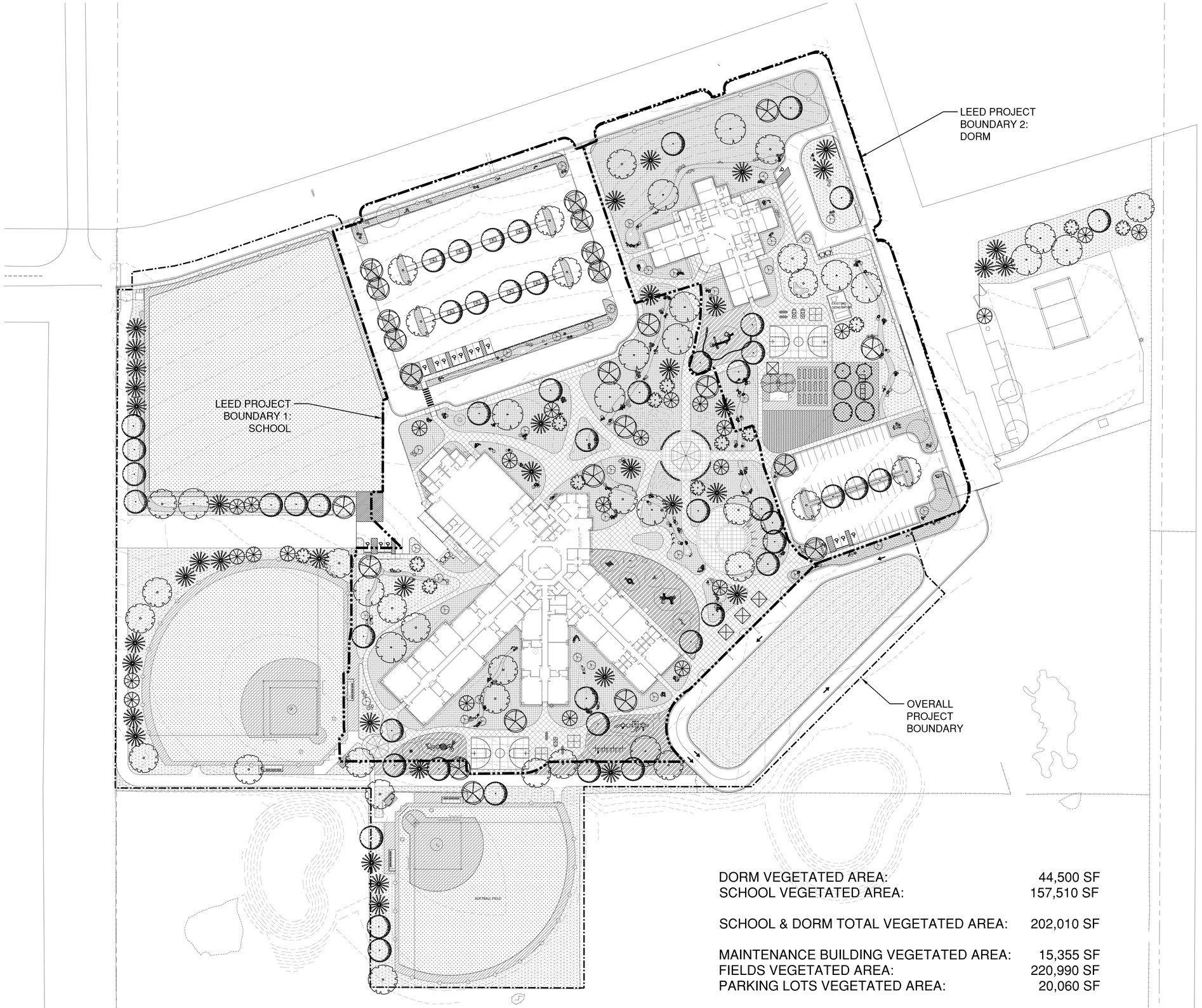
BALL FIELD DETAILS

LS-507

5/14/2020

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



DORM VEGETATED AREA:	44,500 SF
SCHOOL VEGETATED AREA:	157,510 SF
SCHOOL & DORM TOTAL VEGETATED AREA:	202,010 SF
MAINTENANCE BUILDING VEGETATED AREA:	15,355 SF
FIELDS VEGETATED AREA:	220,990 SF
PARKING LOTS VEGETATED AREA:	20,060 SF
TOTAL OVERALL VEGETATED AREA:	670,425 SF

A1 OVERALL PLANTING PLAN
0 50' 100'
SCALE: 1" = 50'

5/14/2020

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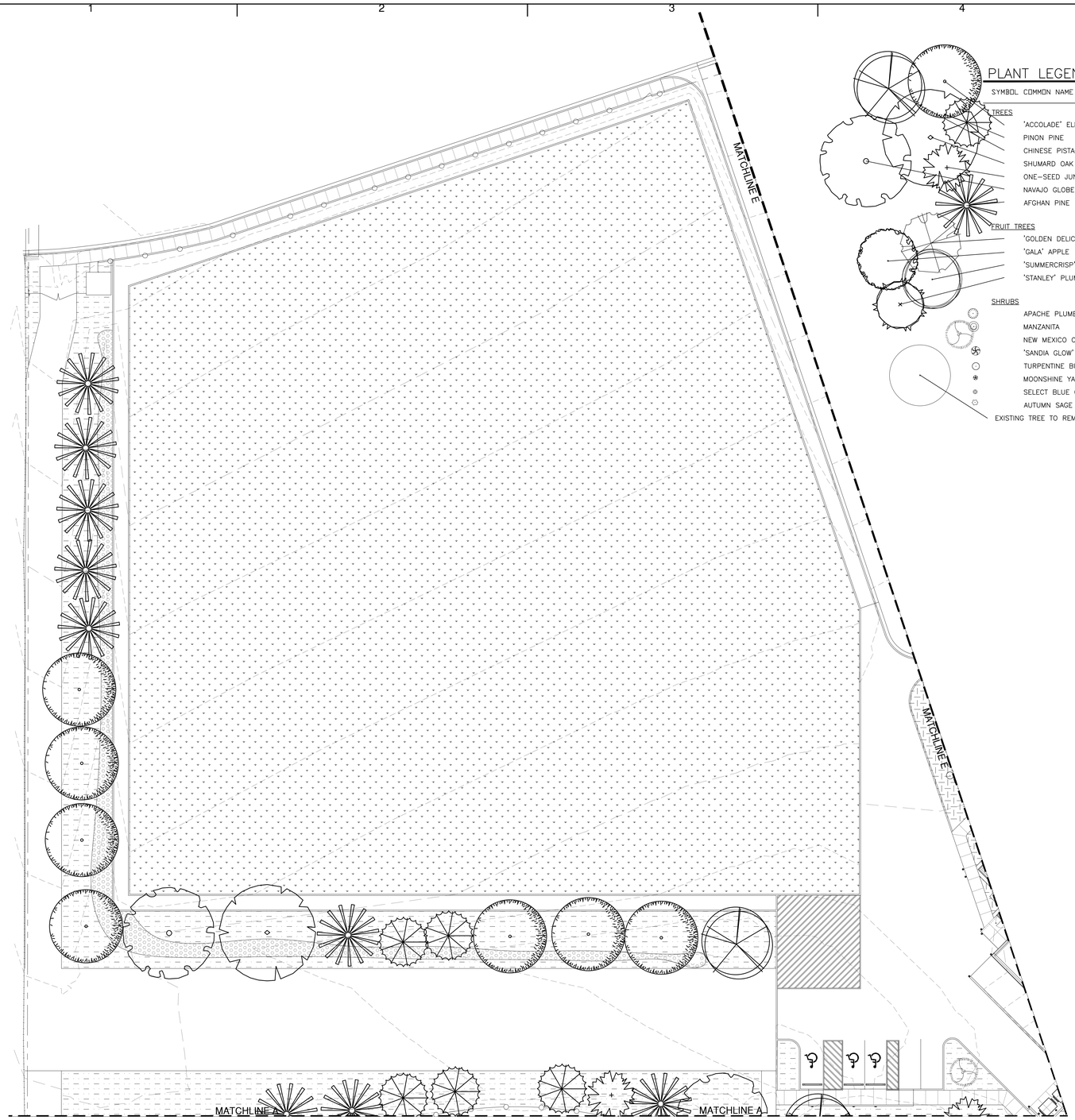
SHEET TITLE
OVERALL PLANTING PLAN

LP-100

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



PLANT LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	MIN. INSTALLED SIZE	CONTAINER	MATURE SIZE	NATIVE/ ADAPTIVE	DROUGHT-TOLERANT
TREES								
	'ACCOLADE' ELM	ULMUS X. 'ACCOLADE'	49	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	PINON PINE	PINUS EDULIS	24	MIN 5' HT	B&B	30' HT X 20' SPD	N	YES
	CHINESE PISTACHE	PISTACIA CHINENSIS	24	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	SHUMARD OAK	QUERCUS SHUMARDII	17	2" CAL, 12'-14' HT	B&B	50' HT X 40' SPD	A	YES
	ONE-SEED JUNIPER	JUNIPERUS MONOSPERMA	13	MIN 5' HT	B&B	25' HT & SPD	N	YES
	NAVAJO GLOBE WILLOW	SALIX MATSUDANA 'NAVAJO'	30	2" CAL, 12'-14' HT	B&B	40' HT & SPD	N	YES
	AFGHAN PINE	PINUS ELDARICA	40	MIN 5' HT	B&B	50' HT X 30' SPD	A	YES
FRUIT TREES								
	'GOLDEN DELICIOUS' APPLE	MALUS X DOMESTICA 'GOLDEN DELICIOUS'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'GALA' APPLE	MALUS X DOMESTICA 'GALA'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'SUMMERCRISP' PEAR	PYRUS COMMUNIS 'SUMMERCRISP'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'STANLEY' PLUM	PRUNUS DOMESTICA 'STANLEY'	2	2" CAL, 6'-8' HT	B&B	20' HT & SPD	A	NO
SHRUBS								
	APACHE PLUME	FALLUGIA PARADOXA	32	MIN 18" HT	5-GAL	4' HT & SPD	N	YES
	MANZANITA	ARCTOSTAPHYLOS PATULA	50	MIN 18" SPD	5-GAL	2' HT X 4' SPD	N	YES
	NEW MEXICO OLIVE	FORESTIERA NEOMEXICANA	34	MIN 4' HT	15-GAL	12' HT & SPD	N	YES
	'SANDIA GLOW' RED YUCCA	HESPERALOE PARVIFLORA 'SANDIA GLOW'	58	MIN 12" SPD	5-GAL	3' HT X 4' SPD	A	YES
	TURPENTINE BUSH	ERICAMERIA LARICIFOLIA	29	MIN 12" SPD	5-GAL	3' HT & SPD	N	YES
	MOONSHINE YARROW	ACHILLEA MOONSHINE	182	MIN 12" HT	1-GAL	18" HT X 24" SPD	N	YES
	SELECT BLUE CATMINT	NEPETA FAASSENII 'SELECT BLUE'	57	MIN 12" SPD	1-GAL	18" HT & SPD	A	YES
	AUTUMN SAGE	SALVIA GREGGII	62	MIN 12" HT	3-GAL	30" HT & SPD	A	YES

EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D, SHEETS LD-101 – LD-107.

HATCH LEGEND

- PLAYGROUND SURFACING.
- REVEGETATION SEEDING, 'NATIVE WONDER' BLEND. SEE GENERAL NOTE E.
- REVEGETATION SEEDING, 'PIONEER'S PRIDE' BLEND. SEE GENERAL NOTE H.
- TURF SOD. SEE GENERAL NOTE F.
- 8" DEPTH 6-8" ANGULAR GRAVEL MULCH OVER FILTER FABRIC. SEE GENERAL NOTE I.
- 3" DEPTH GRAVEL MULCH OVER FILTER FABRIC. SEE GENERAL NOTE B.
- 12" DEPTH TILLED AND AMENDED TOPSOIL.
- 3" DEPTH CEDAR WOOD MULCH.
- BOULDER. SEE GENERAL NOTE G. QTY: 100

GENERAL NOTES

A. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES LISTED IN THE PLANT SCHEDULE AND THOSE SHOWN ON THE PLANTING PLAN, QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID. ADDITIONAL PAYMENT WILL NOT BE MADE FOR ANY DISCREPANCY IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT SCHEDULE.

B. CONTRACTOR SHALL INSTALL A 3" DEPTH OF 1"-2" 'NATURAL GREY' GRAVEL MULCH AS AVAILABLE FROM FOUR CORNERS MATERIALS (970-247-2172). INSTALL MULCH OVER OVER FILTER FABRIC, MIN. 3 OZ/SY NONWOVEN NEEDLE PUNCHED POLYPROPLYENE (MIRAFI MSCAPE OR EQUIVALENT). OVERLAP FABRIC ENDS 3", TURN DOWN EDGES 6". TOP OF GRAVEL MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF GRAVEL MULCH FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

C. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE LISTED UNDER "CONTAINER" AND HEIGHT & SPREAD LISTED UNDER "INSTALLED SIZE", THE SPECIFIED PLANT SHALL MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "INSTALLED SIZE". IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, IT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

D. TREES AND SHRUBS SHALL BE PLANTED PER DETAILS A3/LP-501 AND C3/LP-501. TREES AND SHRUBS ON SLOPES SHALL BE PLANTED PER DETAILS A5/LP-501 AND C5/LP-501.

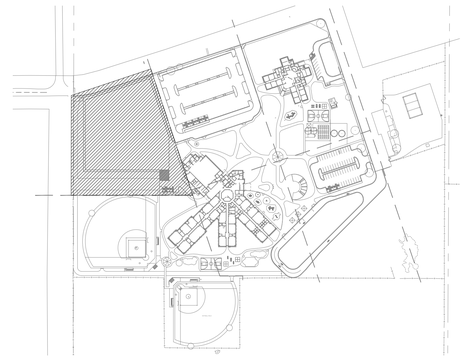
E. HYDROSEED PREPARED LANDSCAPE AREA WITH CURTIS AND CURTIS 'NATIVE WONDER' BLEND OR APPROVED EQUAL. SEED AT A RATE OF 2LBS. PER 1000 SQ FT.

F. TURF SOD TO BE 'KENTUCKY BLUEGRASS' AS AVAILABLE FROM SNOWCAP SOD FARM (970)-247-1055, OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE CUT SHEET OF THE SOD TO BE USED TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

G. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

H. HYDROSEED PREPARED LANDSCAPE AREA WITH CURTIS AND CURTIS 'PIONEER'S PRIDE' BLEND OR APPROVED EQUAL. SEED AT A RATE OF 2LBS. PER 1000 SQ FT.

I. CONTRACTOR SHALL INSTALL A 8" DEPTH OF 6"-8" 'NATURAL BROWN' ANGULAR GRAVEL MULCH AS AVAILABLE FROM FOUR CORNERS MATERIALS (970-247-2172) OR APPROVED EQUAL. INSTALL MULCH OVER OVER FILTER FABRIC, MIN. 3 OZ/SY NONWOVEN NEEDLE PUNCHED POLYPROPLYENE (MIRAFI MSCAPE OR EQUIVALENT). OVERLAP FABRIC ENDS 3", TURN DOWN EDGES 6". TOP OF GRAVEL MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF GRAVEL MULCH FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



KEY MAP - N.T.S.

A1 PLANTING PLAN

SCALE: 1" = 20'

5/14/2020

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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

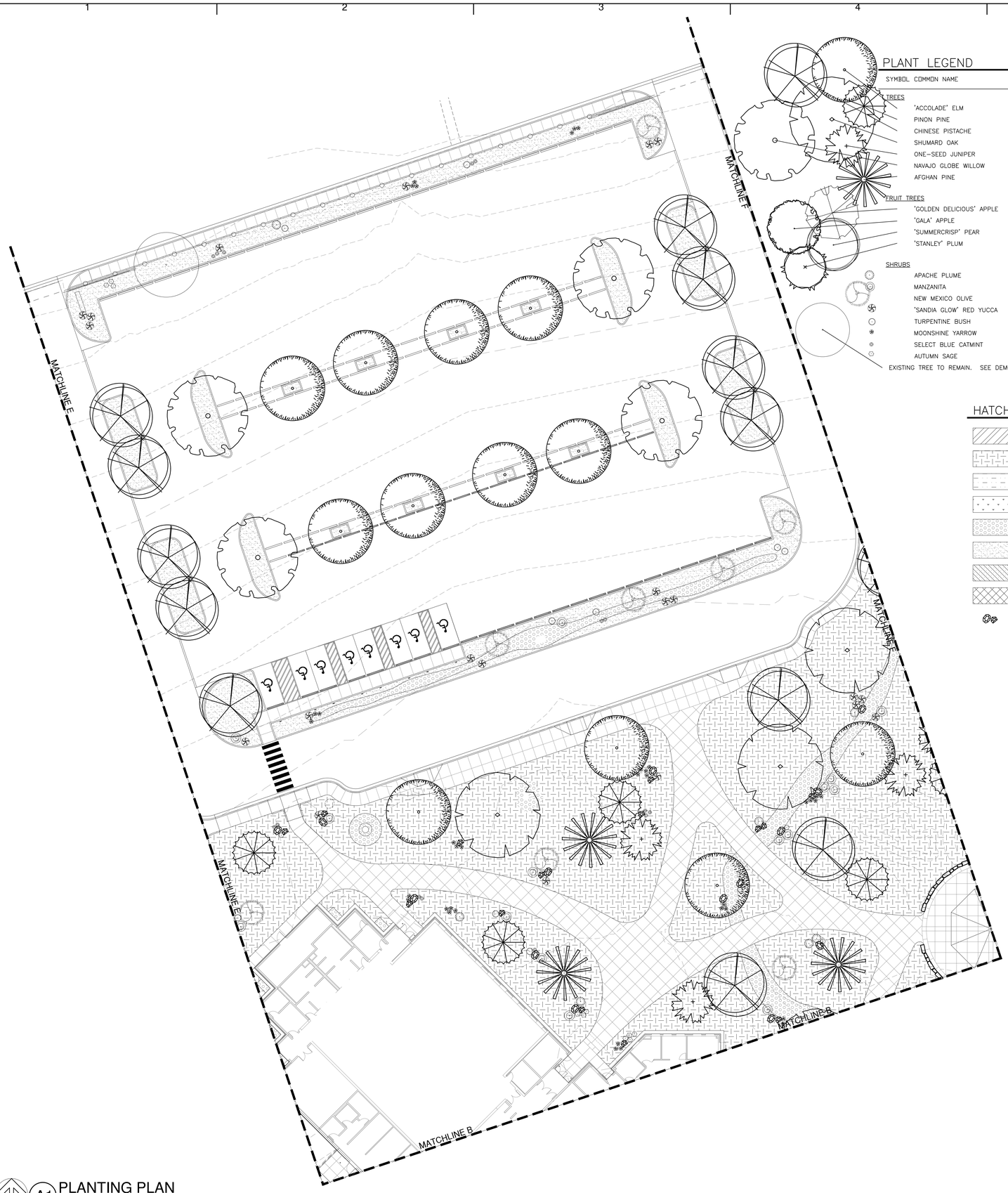
SHEET TITLE

PLANTING PLAN

LP-101

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



PLANT LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	MIN. INSTALLED SIZE	CONTAINER	MATURE SIZE	NATIVE/ ADAPTIVE	DROUGHT-TOLERANT
	TREES							
	'ACCOLADE' ELM	ULMUS X. 'ACCOLADE'	49	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	PINON PINE	PINUS EDULIS	24	MIN 5' HT	B&B	30' HT X 20' SPD	N	YES
	CHINESE PISTACHE	PISTACIA CHINENSIS	24	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	SHUMARD OAK	QUERCUS SHUMARDII	17	2" CAL, 12'-14' HT	B&B	50' HT X 40' SPD	A	YES
	ONE-SEED JUNIPER	JUNIPERUS MONOSPERMA	13	MIN 5' HT	B&B	25' HT & SPD	N	YES
	NAVAJO GLOBE WILLOW	SALIX MATSUDANA 'NAVAJO'	30	2" CAL, 12'-14' HT	B&B	40' HT & SPD	N	YES
	AFGHAN PINE	PINUS ELDARICA	40	MIN 5' HT	B&B	50' HT X 30' SPD	A	YES
	FRUIT TREES							
	'GOLDEN DELICIOUS' APPLE	MALUS X DOMESTICA 'GOLDEN DELICIOUS'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'GALA' APPLE	MALUS X DOMESTICA 'GALA'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'SUMMERCRISP' PEAR	PYRUS COMMUNIS 'SUMMERCRISP'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'STANLEY' PLUM	PRUNUS DOMESTICA 'STANLEY'	2	2" CAL, 6'-8' HT	B&B	20' HT & SPD	A	NO
	SHRUBS							
	APACHE PLUME	FALLUGIA PARADOXA	32	MIN 18" HT	5-GAL	4' HT & SPD	N	YES
	MANZANITA	ARCTOSTAPHYLOS PATULA	50	MIN 18" SPD	5-GAL	2' HT X 4' SPD	N	YES
	NEW MEXICO OLIVE	FORESTIERA NEOMEXICANA	34	MIN 4' HT	15-GAL	12' HT & SPD	N	YES
	'SANDIA GLOW' RED YUCCA	HESPERALOE PARVIFLORA 'SANDIA GLOW'	58	MIN 12" SPD	5-GAL	3' HT X 4' SPD	A	YES
	TURPENTINE BUSH	ERICAMERIA LARICIFOLIA	29	MIN 12" SPD	5-GAL	3' HT & SPD	N	YES
	MOONSHINE YARROW	ACHILLEA MOONSHINE	182	MIN 12" HT	1-GAL	18" HT X 24" SPD	N	YES
	SELECT BLUE CATMINT	NEPETA FAASSENII 'SELECT BLUE'	57	MIN 12" SPD	1-GAL	18" HT & SPD	A	YES
	AUTUMN SAGE	SALVIA GREGGII	62	MIN 12" HT	3-GAL	30" HT & SPD	A	YES

EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D, SHEETS LD-101 – LD-107.

HATCH LEGEND

- PLAYGROUND SURFACING.
- REVEGETATION SEEDING, 'NATIVE WONDER' BLEND. SEE GENERAL NOTE E.
- REVEGETATION SEEDING, 'PIONEER'S PRIDE' BLEND. SEE GENERAL NOTE H.
- TURF SOD. SEE GENERAL NOTE F.
- 8" DEPTH 6-8" ANGULAR GRAVEL MULCH OVER FILTER FABRIC. SEE GENERAL NOTE I.
- 3" DEPTH GRAVEL MULCH OVER FILTER FABRIC. SEE GENERAL NOTE B.
- 12" DEPTH TILLED AND AMENDED TOPSOIL.
- 3" DEPTH CEDAR WOOD MULCH.
- BOULDER. SEE GENERAL NOTE G. QTY: 100

GENERAL NOTES

A. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES LISTED IN THE PLANT SCHEDULE AND THOSE SHOWN ON THE PLANTING PLAN, QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID. ADDITIONAL PAYMENT WILL NOT BE MADE FOR ANY DISCREPANCY IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT SCHEDULE.

B. CONTRACTOR SHALL INSTALL A 3" DEPTH OF 1"-2" 'NATURAL GREY' GRAVEL MULCH AS AVAILABLE FROM FOUR CORNERS MATERIALS (970-247-2172). INSTALL MULCH OVER OVER FILTER FABRIC, MIN. 3 OZ/SY NONWOVEN NEEDLE PUNCHED POLYPROPLYENE (MIRAFI MSCAPE OR EQUIVALENT). OVERLAP FABRIC ENDS 3", TURN DOWN EDGES 6". TOP OF GRAVEL MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF GRAVEL MULCH FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

C. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE LISTED UNDER "CONTAINER" AND HEIGHT & SPREAD LISTED UNDER "INSTALLED SIZE", THE SPECIFIED PLANT SHALL MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "INSTALLED SIZE". IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, IT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

D. TREES AND SHRUBS SHALL BE PLANTED PER DETAILS A3/LP-501 AND C3/LP-501. TREES AND SHRUBS ON SLOPES SHALL BE PLANTED PER DETAILS A5/LP-501 AND C5/LP-501.

E. HYDROSEED PREPARED LANDSCAPE AREA WITH CURTIS AND CURTIS 'NATIVE WONDER' BLEND OR APPROVED EQUAL. SEED AT A RATE OF 2LBS. PER 1000 SQ FT.

F. TURF SOD TO BE "KENTUCKY BLUEGRASS' AS AVAILABLE FROM SNOWCAP SOD FARM (970)-247-1055, OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE CUT SHEET OF THE SOD TO BE USED TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

G. BOULDER'S SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

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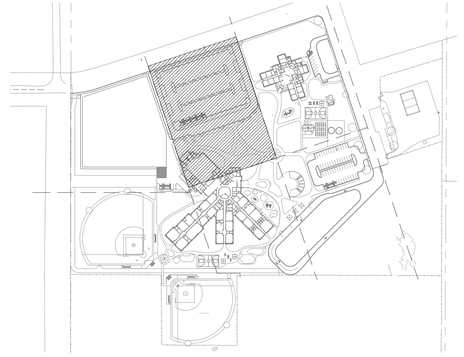

KEY MAP - N.T.S.

A1 PLANTING PLAN

0 20' 40'

SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

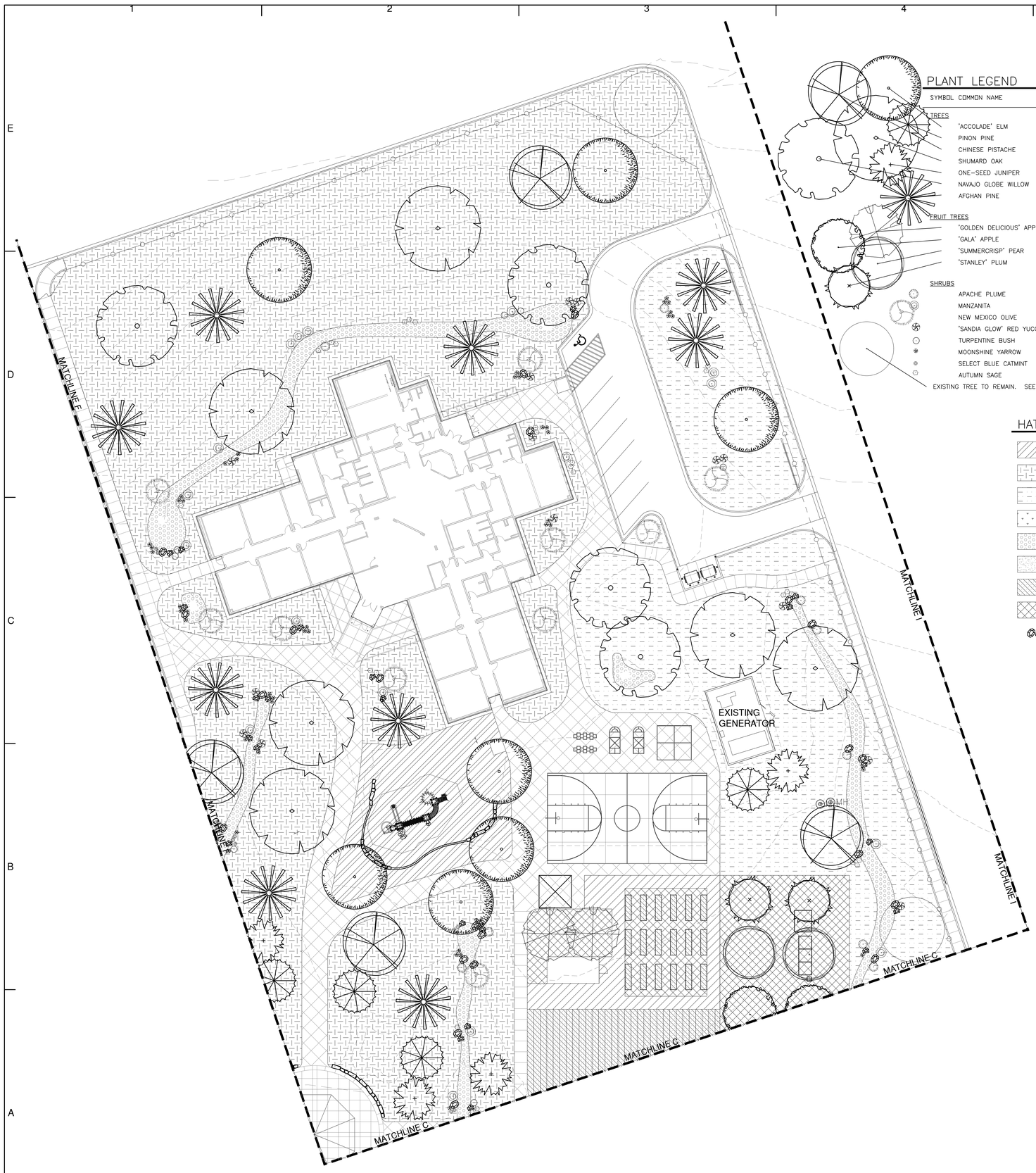
SHEET TITLE

PLANTING PLAN

LP-102

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



PLANT LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	MIN. INSTALLED SIZE	CONTAINER	MATURE SIZE	NATIVE/ ADAPTIVE	DROUGHT-TOLERANT
TREES								
	'ACCOLADE' ELM	ULMUS X. 'ACCOLADE'	49	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	PINON PINE	PINUS EDULIS	24	MIN 5' HT	B&B	30' HT X 20' SPD	N	YES
	CHINESE PISTACHE	PISTACIA CHINENSIS	24	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	SHUMARD OAK	QUERCUS SHUMARDII	17	2" CAL, 12'-14' HT	B&B	50' HT X 40' SPD	A	YES
	ONE-SEED JUNIPER	JUNIPERUS MONOSPERMA	13	MIN 5' HT	B&B	25' HT & SPD	N	YES
	NAVAJO GLOBE WILLOW	SALIX MATSUDANA 'NAVAJO'	30	2" CAL, 12'-14' HT	B&B	40' HT & SPD	N	YES
	AFGHAN PINE	PINUS ELDARICA	40	MIN 5' HT	B&B	50' HT X 30' SPD	A	YES
FRUIT TREES								
	'GOLDEN DELICIOUS' APPLE	MALUS X DOMESTICA 'GOLDEN DELICIOUS'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'GALA' APPLE	MALUS X DOMESTICA 'GALA'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'SUMMERCRISP' PEAR	PYRUS COMMUNIS 'SUMMERCRISP'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'STANLEY' PLUM	PRUNUS DOMESTICA 'STANLEY'	2	2" CAL, 6'-8' HT	B&B	20' HT & SPD	A	NO
SHRUBS								
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	'SANDIA GLOW' RED YUCCA	HESPERALOE PARVIFLORA 'SANDIA GLOW'	58	MIN 12" SPD	5-GAL	3' HT X 4' SPD	A	YES
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	MOONSHINE YARROW	ACHILLEA MOONSHINE	182	MIN 12" HT	1-GAL	18" HT X 24" SPD	N	YES
	SELECT BLUE CATMINT	NEPETA FAASSENNII 'SELECT BLUE'	57	MIN 12" SPD	1-GAL	18" HT & SPD	A	YES
	AUTUMN SAGE	SALVIA GREGGII	62	MIN 12" HT	3-GAL	30" HT & SPD	A	YES

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HATCH LEGEND

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- REVEGETATION SEEDING, 'NATIVE WONDER' BLEND. SEE GENERAL NOTE E.
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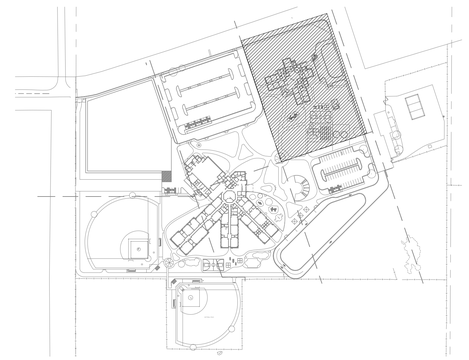

KEY MAP - N.T.S.

A1 PLANTING PLAN
0 20' 40'
SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

PLANTING PLAN

LP-103

Dziłth-Na-O-Dith-Hle Community School

DZILTH-NA-O-DITH-HLE COMMUNITY SCHOOL

MATCHLINE A

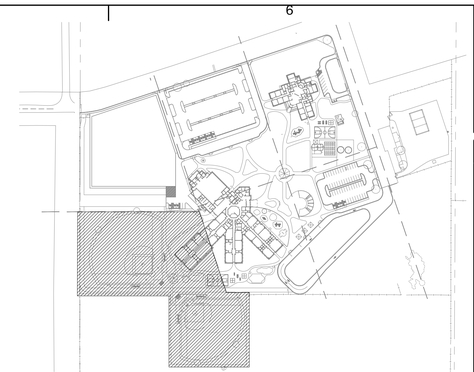
MATCHLINE A

MATCHLINE G

MATCHLINE G

MATCHLINE G

MATCHLINE D



KEY MAP - N.T.S.

SOFTBALL FIELD

PLANT LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	MIN. INSTALLED SIZE	CONTAINER	MATURE SIZE	NATIVE/ ADAPTIVE	DROUGHT-TOLERANT
TREES								
	'ACCOLADE' ELM	ULMUS X. 'ACCOLADE'	49	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
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	CHINESE PISTACHE	PISTACIA CHINENSIS	24	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	SHUMARD OAK	QUERCUS SHUMARDII	17	2" CAL, 12'-14' HT	B&B	50' HT X 40' SPD	A	YES
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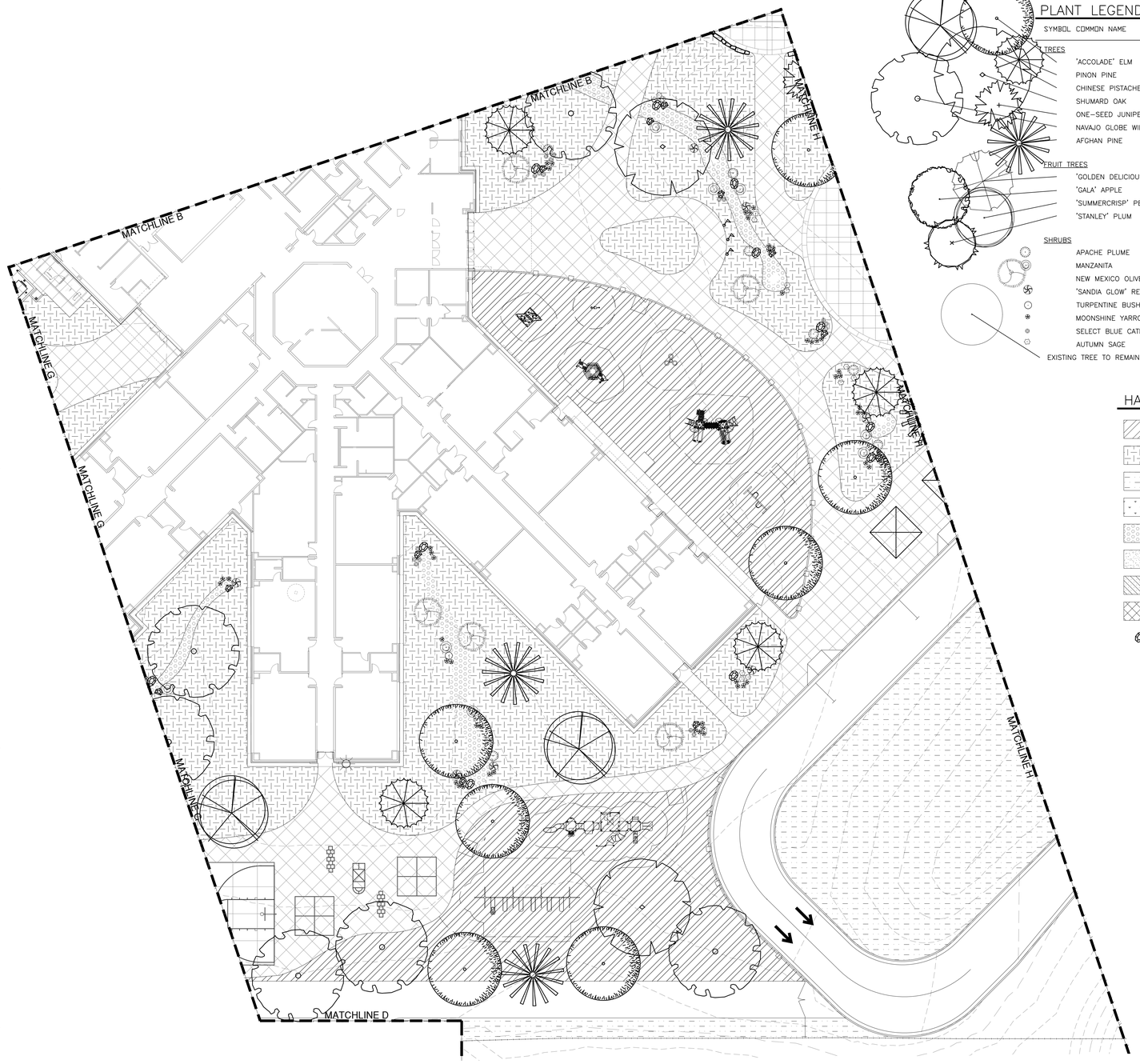
SHEET TITLE

PLANTING PLAN

LP-104

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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	CHINESE PISTACHE	PISTACIA CHINENSIS	24	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	SHUMARD OAK	QUERCUS SHUMARDII	17	2" CAL, 12'-14' HT	B&B	50' HT X 40' SPD	A	YES
	ONE-SEED JUNIPER	JUNIPERUS MONOSPERMA	13	MIN 5' HT	B&B	25' HT & SPD	N	YES
	NAVAJO GLOBE WILLOW	SALIX MATSUDANA 'NAVAJO'	30	2" CAL, 12'-14' HT	B&B	40' HT & SPD	N	YES
	AFGHAN PINE	PINUS ELDARICA	40	MIN 5' HT	B&B	50' HT X 30' SPD	A	YES
	FRUIT TREES							
	'GOLDEN DELICIOUS' APPLE	MALUS X DOMESTICA 'GOLDEN DELICIOUS'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'GALA' APPLE	MALUS X DOMESTICA 'GALA'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'SUMMERCRISP' PEAR	PYRUS COMMUNIS 'SUMMERCRISP'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
	'STANLEY' PLUM	PRUNUS DOMESTICA 'STANLEY'	2	2" CAL, 6'-8' HT	B&B	20' HT & SPD	A	NO
	SHRUBS							
	APACHE PLUME	FALLUGIA PARADOXA	32	MIN 18" HT	5-GAL	4' HT & SPD	N	YES
	MANZANITA	ARCTOSTAPHYLOS PATULA	50	MIN 18" SPD	5-GAL	2' HT X 4' SPD	N	YES
	NEW MEXICO OLIVE	FORESTIERA NEOMEXICANA	34	MIN 4' HT	15-GAL	12' HT & SPD	N	YES
	'SANDIA GLOW' RED YUCCA	HESPERALOE PARVIFLORA 'SANDIA GLOW'	58	MIN 12" SPD	5-GAL	3' HT X 4' SPD	A	YES
	TURPENTINE BUSH	ERICAMERIA LARICIFOLIA	29	MIN 12" SPD	5-GAL	3' HT & SPD	N	YES
	MOONSHINE YARROW	ACHILLEA MOONSHINE	182	MIN 12" HT	1-GAL	18" HT X 24" SPD	N	YES
	SELECT BLUE CATMINT	NEPETA FAASSENNII 'SELECT BLUE'	57	MIN 12" SPD	1-GAL	18" HT & SPD	A	YES
	AUTUMN SAGE	SALVIA GREGGII	62	MIN 12" HT	3-GAL	30" HT & SPD	A	YES

EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D, SHEETS LD-101 – LD-107.

HATCH LEGEND

- PLAYGROUND SURFACING.
- REVEGETATION SEEDING, 'NATIVE WONDER' BLEND. SEE GENERAL NOTE E.
- REVEGETATION SEEDING, 'PIONEER'S PRIDE' BLEND. SEE GENERAL NOTE H.
- TURF SOD. SEE GENERAL NOTE F.
- 8" DEPTH 6-8" ANGULAR GRAVEL MULCH OVER FILTER FABRIC. SEE GENERAL NOTE I.
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- 12" DEPTH TILLED AND AMENDED TOPSOIL.
- 3" DEPTH CEDAR WOOD MULCH.
- BOULDER. SEE GENERAL NOTE G. QTY: 100

GENERAL NOTES

A. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES LISTED IN THE PLANT SCHEDULE AND THOSE SHOWN ON THE PLANTING PLAN, QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID. ADDITIONAL PAYMENT WILL NOT BE MADE FOR ANY DISCREPANCY IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT SCHEDULE.

B. CONTRACTOR SHALL INSTALL A 3" DEPTH OF 1"-2" 'NATURAL GREY' GRAVEL MULCH AS AVAILABLE FROM FOUR CORNERS MATERIALS (970-247-2172). INSTALL MULCH OVER OVER FILTER FABRIC, MIN. 3 OZ/SY NONWOVEN NEEDLE PUNCHED POLYPROPLYENE (MIRAFI MSCAPE OR EQUIVALENT). OVERLAP FABRIC ENDS 3", TURN DOWN EDGES 6". TOP OF GRAVEL MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF GRAVEL MULCH FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

C. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE LISTED UNDER "CONTAINER" AND HEIGHT & SPREAD LISTED UNDER "INSTALLED SIZE", THE SPECIFIED PLANT SHALL MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "INSTALLED SIZE". IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, IT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

D. TREES AND SHRUBS SHALL BE PLANTED PER DETAILS A3/LP-501 AND C3/LP-501. TREES AND SHRUBS ON SLOPES SHALL BE PLANTED PER DETAILS A5/LP-501 AND C5/LP-501.

E. HYDROSEED PREPARED LANDSCAPE AREA WITH CURTIS AND CURTIS 'NATIVE WONDER' BLEND OR APPROVED EQUAL. SEED AT A RATE OF 2LBS. PER 1000 SQ FT.

F. TURF SOD TO BE "KENTUCKY BLUEGRASS" AS AVAILABLE FROM SNOWCAP SOD FARM (970)-247-1055, OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE CUT SHEET OF THE SOD TO BE USED TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

G. BOULDERS SHALL BE MIN. 12-18 CUBIC FEET LOCALLY AVAILABLE GRANITE. BURY BOULDER TO MIN. 8" DEPTH. COMPACT SUBGRADE BELOW BOULDER TO 85% PROCTOR. SEE DETAIL C1/LP-501.

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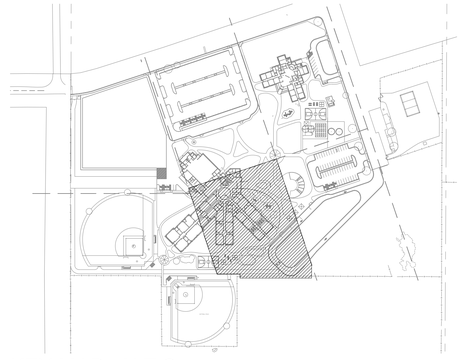

KEY MAP - N.T.S.

A1 PLANTING PLAN
0 20' 40'
SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

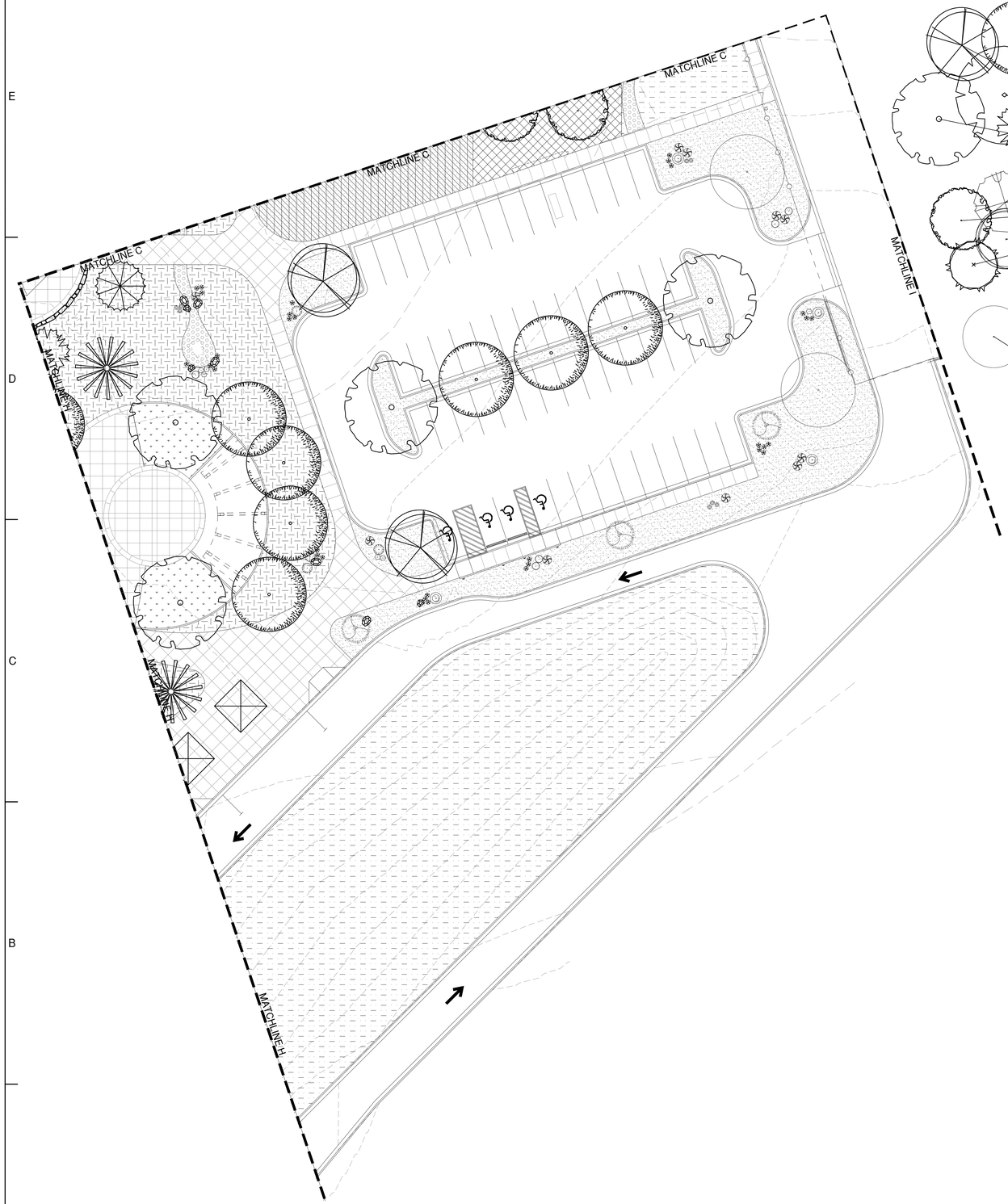
SHEET TITLE

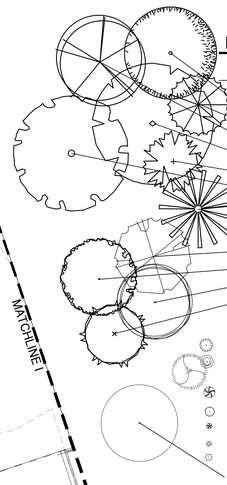
PLANTING PLAN

LP-105

Dziłth-Na-O-Dith-Hle Community School

DZILTH-NA-O-DITH-HLE COMMUNITY SCHOOL





PLANT LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	MIN. INSTALLED SIZE	CONTAINER	MATURE SIZE	NATIVE/ ADAPTIVE	DROUGHT-TOLERANT
	TREES							
	'ACCOLADE' ELM	ULMUS X. 'ACCOLADE'	49	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	PINON PINE	PINUS EDULIS	24	MIN 5' HT	B&B	30' HT X 20' SPD	N	YES
	CHINESE PISTACHE	PISTACIA CHINENSIS	24	2" CAL, 12'-14' HT	B&B	30' HT & SPD	A	YES
	SHUMARD OAK	QUERCUS SHUMARDII	17	2" CAL, 12'-14' HT	B&B	50' HT X 40' SPD	A	YES
	ONE-SEED JUNIPER	JUNIPERUS MONOSPERMA	13	MIN 5' HT	B&B	25' HT & SPD	N	YES
	NAVAJO GLOBE WILLOW	SALIX MATSUDANA 'NAVAJO'	30	2" CAL, 12'-14' HT	B&B	40' HT & SPD	N	YES
	AFGHAN PINE	PINUS ELDARICA	40	MIN 5' HT	B&B	50' HT X 30' SPD	A	YES
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	'GOLDEN DELICIOUS' APPLE	MALUS X DOMESTICA 'GOLDEN DELICIOUS'	2	2" CAL, 6'-8' HT	B&B	25' HT & SPD	A	NO
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	MOONSHINE YARROW	ACHILLEA MOONSHINE	182	MIN 12" HT	1-GAL	18" HT X 24" SPD	N	YES
	SELECT BLUE CATMINT	NEPETA FAASSENII 'SELECT BLUE'	57	MIN 12" SPD	1-GAL	18" HT & SPD	A	YES
	AUTUMN SAGE	SALVIA GREGGII	62	MIN 12" HT	3-GAL	30" HT & SPD	A	YES

EXISTING TREE TO REMAIN. SEE DEMOLITION GENERAL NOTE D, SHEETS LD-101 - LD-107.

HATCH LEGEND

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- REVEGETATION SEEDING, 'NATIVE WONDER' BLEND. SEE GENERAL NOTE E.
- REVEGETATION SEEDING, 'PIONEER'S PRIDE' BLEND. SEE GENERAL NOTE H.
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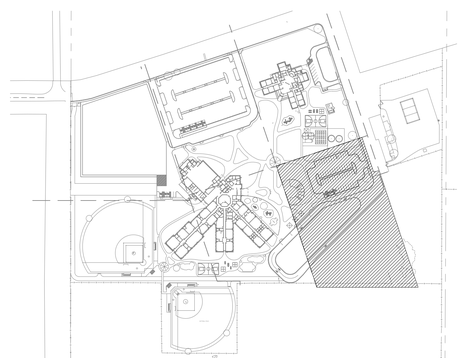

KEY MAP - N.T.S.

A1 PLANTING PLAN

0 20' 40' SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
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OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

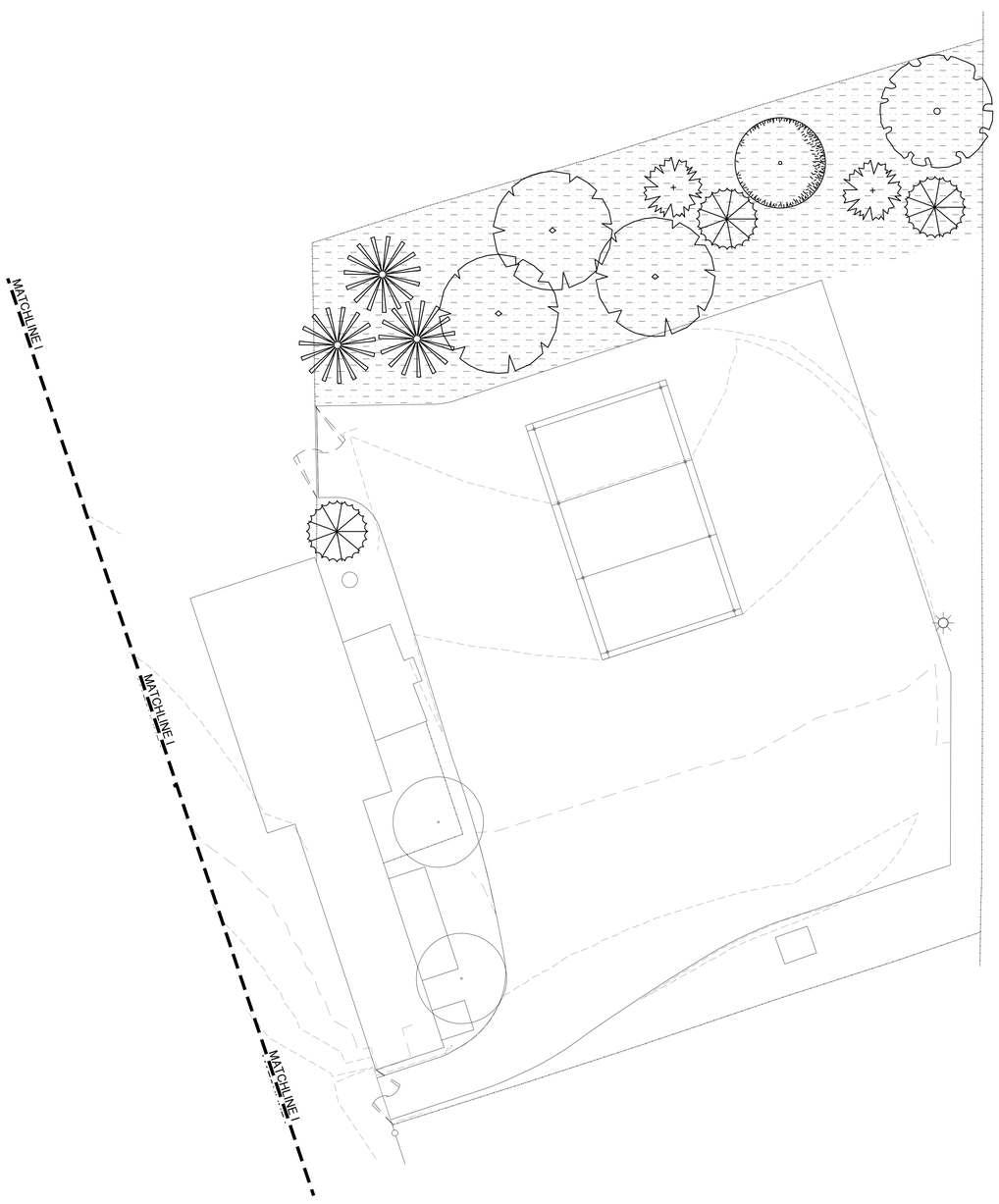
SHEET TITLE

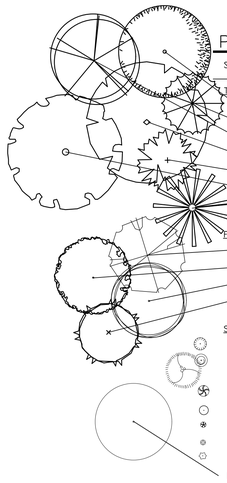
PLANTING PLAN

LP-106

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL





PLANT LEGEND

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TREES								
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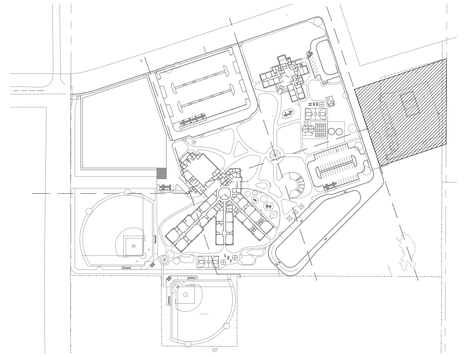

KEY MAP - N.T.S.

A1 PLANTING PLAN

0 20' 40'

SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

PLANTING PLAN

LP-107

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

NOTE:

1. SOIL BENEATH BOULDER SHALL BE EXCAVATED APPROXIMATELY 2" DEEP BEFORE PLACING BOULDER.

C1 LANDSCAPE BOULDER

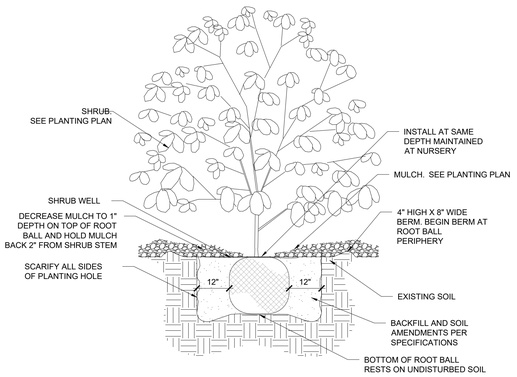
SCALE: 1/2" = 1'-0"

NOTES:

1. TREE PROTECTION FENCING SHALL BE INSTALLED IN A CONTINUOUS LOOP ALONG THE DRIPLINE OF THE EXISTING TREE.
2. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
3. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. NO EQUIPMENT OR MATERIALS SHALL BE STORED WITHIN THE TREE PROTECTION FENCE.

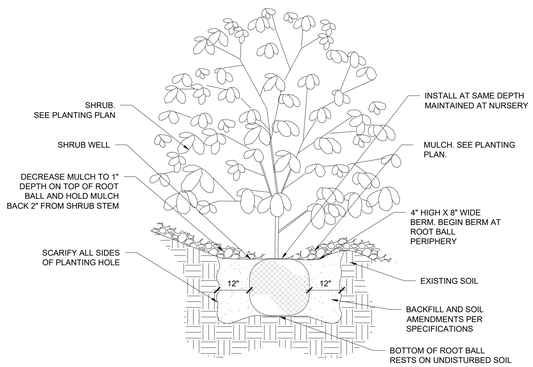
D4 TREE PROTECTION

SCALE: N.T.S.



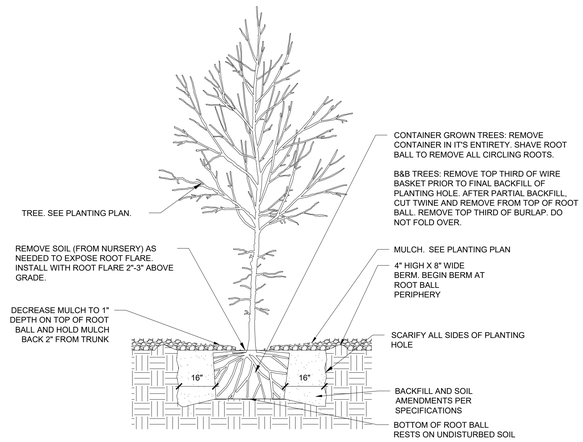
C3 SHRUB PLANTING

SCALE: N.T.S.



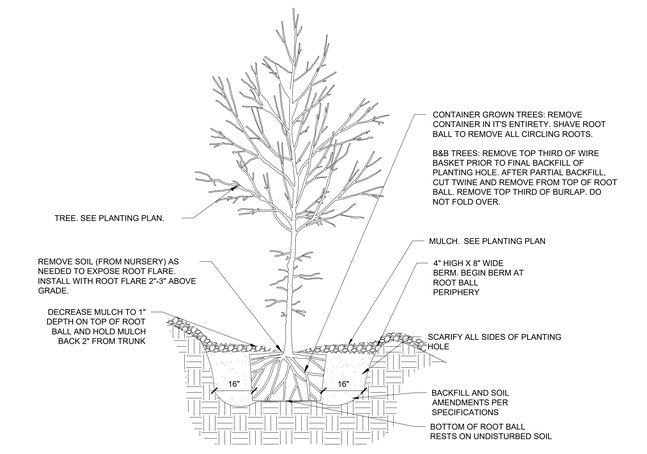
C5 SHRUB PLANTING ON SLOPE

SCALE: N.T.S.



A3 TREE PLANTING

SCALE: N.T.S.



A5 TREE PLANTING DETAIL - ON SLOPE

SCALE: N.T.S.

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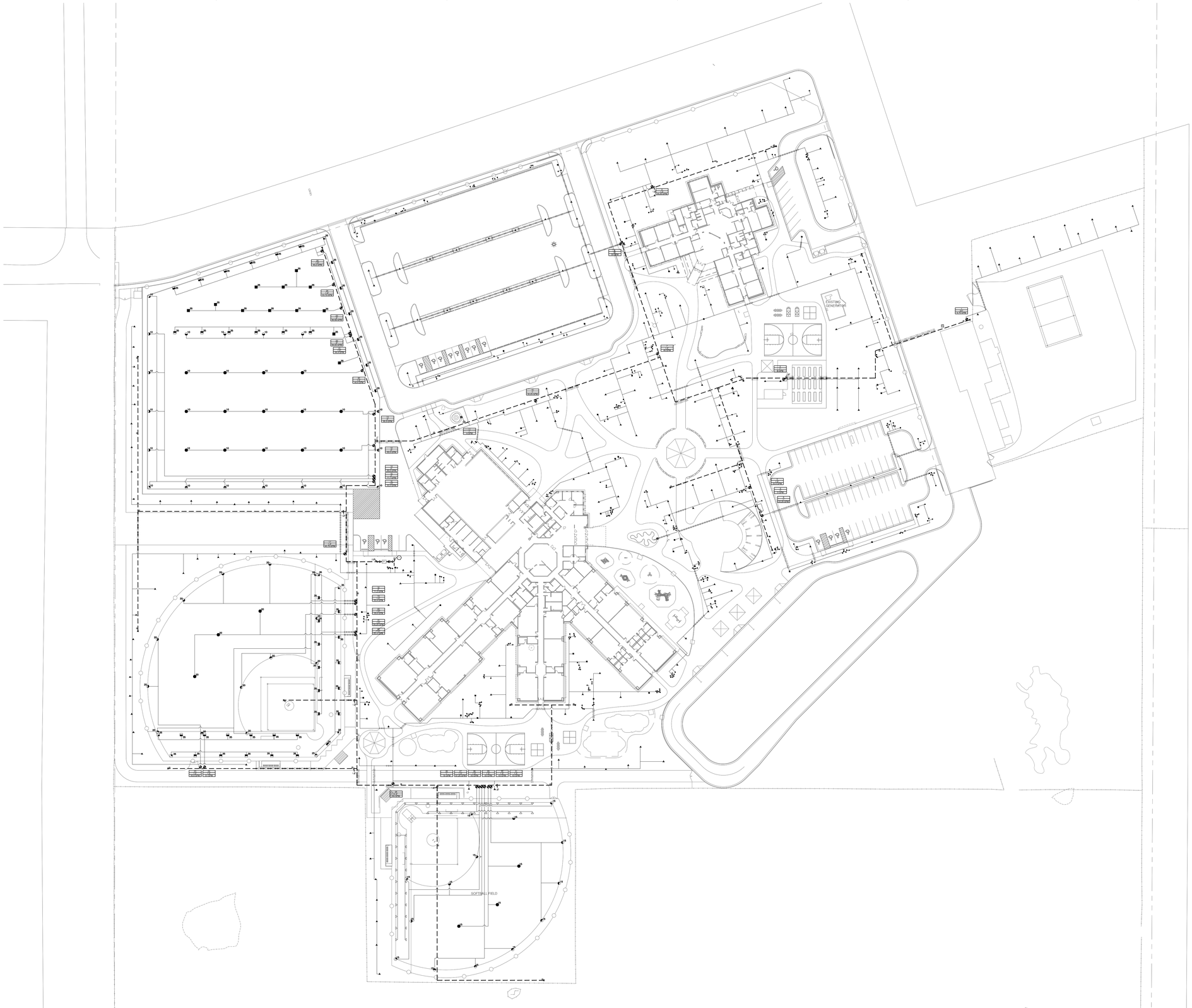
SHEET TITLE
PLANTING DETAILS

LP-501

5/14/2020

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 OVERALL IRRIGATION PLAN
0 50' 100'
SCALE: 1" = 50'

5/14/2020

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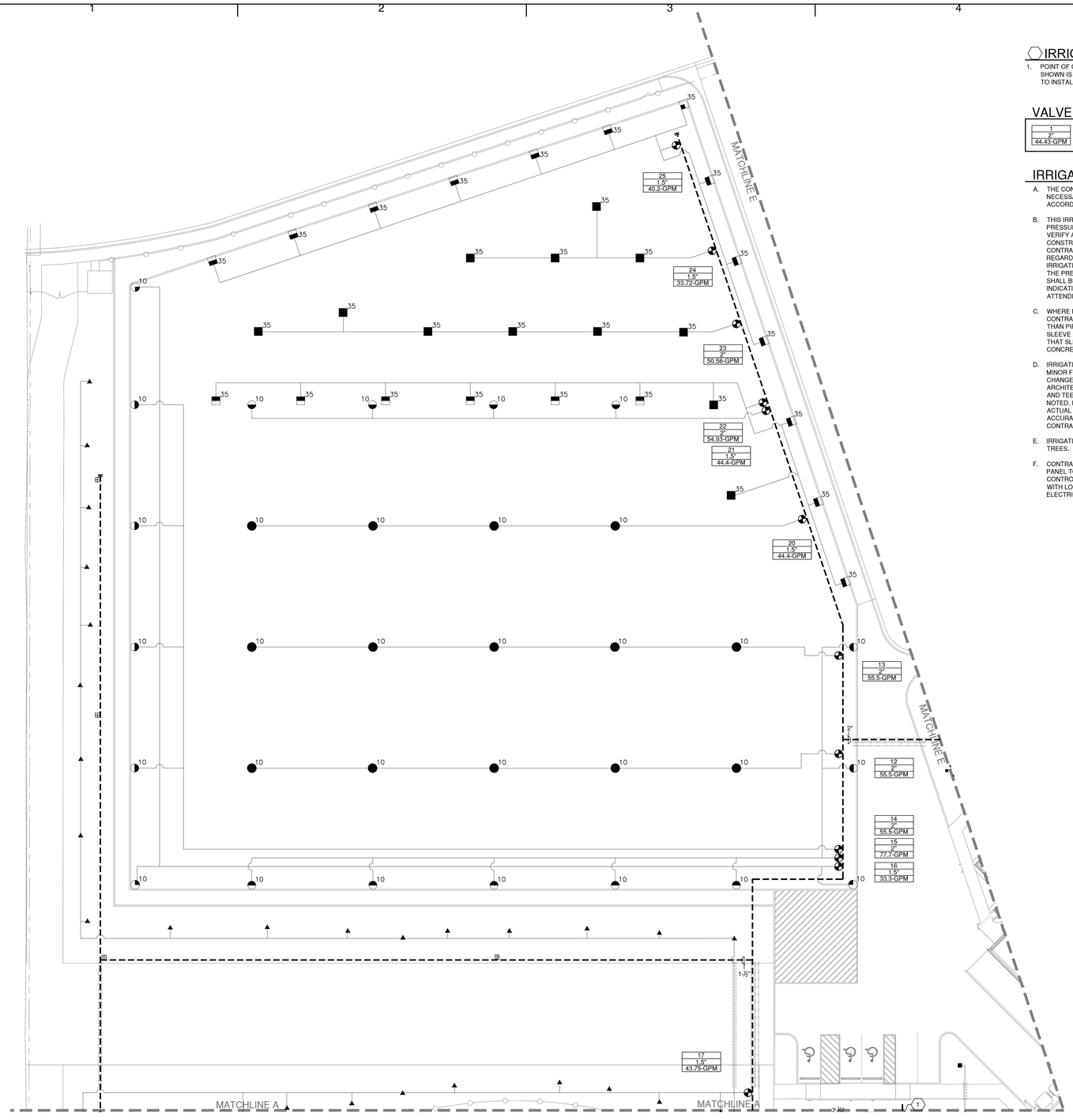
SHEET TITLE

OVERALL IRRIGATION PLAN

LI-100

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



IRRIGATION KEYED NOTES

1. POINT OF CONNECTION. CONNECT TO EXISTING WATER LINE. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.

VALVE TAG KEY

1	VALVE NUMBER
2"	VALVE SIZE
44.43-GPM	GALLONS PER MINUTE

IRRIGATION GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT THE PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS.

B. THIS IRRIGATION SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 56 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 56 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. WHERE PVC PIPE CROSSES UNDER PAVING OR OTHER HARD CONSTRUCTION, CONTRACTOR SHALL INSTALL IN PVC IRRIGATION SLEEVE TWO SIZES LARGER THAN PIPE TO BE CONTAINED, UNLESS OTHERWISE NOTED ON PLAN. IRRIGATION SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

D. IRRIGATION PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND MAY REQUIRE MINOR FIELD ADJUSTMENTS. IN THE CASE OF MAJOR ADJUSTMENTS OR CHANGES TO THE DESIGN, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. ALL ELBOWS AND TEES SHALL BE INSTALLED IN LANDSCAPE AREAS UNLESS OTHERWISE NOTED. IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS. ACTUAL PIPE ROUTING AND EQUIPMENT LOCATIONS SHALL BE COMPLETELY AND ACCURATELY NOTED IN THE PROJECT AS-BUILTS TO BE PROVIDED BY THE CONTRACTOR.

E. IRRIGATION PIPING SHALL NOT BE INSTALLED WITHIN THE DRIP LINE OF EXISTING TREES.

F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH). WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). SEE ELECTRICAL DRAWINGS.

IRRIGATION LEGEND

MAIN LINE AND LATERAL SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

WIRE SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

IRRIGATION MAIN LINE: SIZE AS SHOWN ON PLAN. MAIN LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200 SDR 21, O-RING GASKET PVC. MAIN LINE 2" AND SMALLER SHALL BE SCH. 40 BELL END SOLVENT WELD PVC. DEPTH OF BURY 42" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 24" FOR NON-CONTINUOUS.

IRRIGATION LATERAL: LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200, SDR 21 O-RING GASKET PVC. LINE 2" AND LESS IN SIZE SHALL BE SCH. 40, BELL-END, SOLVENT WELD PVC. DEPTH OF BURY 24". SIZE AS SHOWN ON PLAN. PIPE CONVEYING 5 GPM OR LESS SHALL BE 3/4".

3/4" POLYETHELENE DRIP LINE. DEPTH OF BURY 6", WITH NDS 2-GPH FLAG EMITTERS ON 1/4" DISTRIBUTION TUBING. INSTALL EMITTERS AT A RATE OF TWO (2) PER SMALL SHRUB, FOUR (4) PER VERTICAL SHRUB.

ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE. SIZE: SAME AS LINE. SEE DETAIL A4/LI-501

BACKFLOW PREVENTER, MASTER VALVE, AND FLOW SENSOR ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO MODEL LF886V, 3" DUCTILE IRON REDUCED PRESSURE BACKFLOW PREVENTER WITH RAIN BIRD 300-BPES GLOBE BODY BRASS 24-VOLT MASTER VALVE IN VALVE BOX WITH LID. FLOW SENSOR SHALL BE RAIN BIRD MODEL FS150B. SEE DETAILS A1/LI-501 AND A3/LI-501, SIM.

REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB SERIES, PLASTIC BODY 24-VOLT AUTOMATIC VALVE WITH PRS-D PRESSURE REGULATING MODULE, SIZE AS SHOWN ON PLAN. SEE DETAIL A3/LI-501.

REMOTE CONTROL DRIP VALVE ASSEMBLY, RAINBIRD XCZ-100-PRB-COM DRIP KIT WITH ISOLATION VALVE AND BASKET FILTER. SEE DETAIL B3/LI-501.

PVC LATERAL TO POLY PIPE CONNECTION, RAIN BIRD MDC75FPT. SEE DETAIL C6/LS-501.

AIR RELEASE VALVE, CRISPIN AL10. INSTALL AT HIGH POINT ON THE MAIN LINE. SEE DETAIL C4/LI-501.

SOLVENT WELD CAP: SCH. 40 PVC, LINE SIZE.

C IRRIGATION CONTROLLER. CONTROLLER SHALL BE RAIN BIRD MODEL ESP12LXMEF 12-STATION CONTROLLER WITH TWO ESPLXMSM12 12-STATION EXPANSION MODULES (36 STATIONS TOTAL) AND FACTORY INSTALLED FLOW SMART MODULE. INSTALL CONTROLLER IN LXMMSS STAINLESS STEEL LOCKABLE CABINET ON LXMMSSPED PEDESTAL. SEE DETAIL E1/LI-501.

QUICK COUPLER, RAIN BIRD 44RC. QUICK COUPLERS PROVIDED TO HAND WATER SEED DURING ESTABLISHMENT PERIOD AND FOR SUPPLEMENTAL IRRIGATION AS NEEDED AFTER ESTABLISHMENT.

P IRRIGATION PUMP STATION. STATION SHALL BE RAIN BIRD MODEL H1D003N0G00008SDF3-22BF1H9C0-3X480, QUOTE NUMBER CVC08202040 1A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI-501

	MODEL NO.	GPM	PSI	NOTE
●	1401	0.25	40	1 PER SHRUB
■	1401	0.50	40	2 PER SHRUB
▲	1401	0.75	40	3 PER TREE
●	1404	2.0	40	2 PER TREE

ROTOR ASSEMBLIES, HUNTER MODEL I-25-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

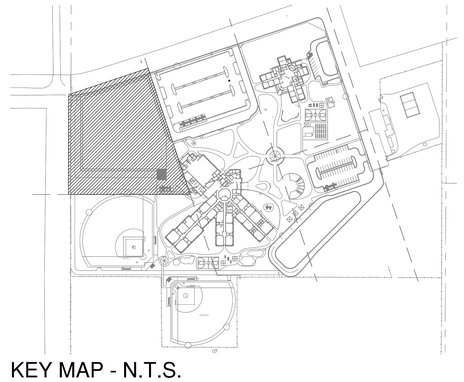
	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
20	I-25-06-SS-20	62'	17.8	60	1.78	2.06
20	I-25-06-SS-20	62'	17.8	60	0.89	1.03
20	I-25-06-SS-20	62'	17.8	60	0.45	0.52
10	I-25-06-SS-10	52'	11.1	60	1.58	1.82
10	I-25-06-SS-10	52'	11.1	60	0.79	0.91
10	I-25-06-SS-10	53'	11.1	60	0.40	0.46
15	I-25-06-SS-15	57'	14.3	60	1.70	1.96
15	I-25-06-SS-15	57'	14.3	60	0.85	0.98
15	I-25-06-SS-15	57'	14.3	60	0.43	0.49

ROTOR ASSEMBLIES, HUNTER MODEL I-20-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
25	I-20-06-SS-MPR-25	25'	1.11	55	0.68	0.79
25	I-20-06-SS-MPR-25	25'	2.21	55	0.68	0.79
35	I-20-06-SS-MPR-35	35'	2.13	55	0.67	0.77
35	I-20-06-SS-MPR-35	35'	4.23	55	0.65	0.77
35	I-20-06-SS-MPR-35	35'	8.43	55	0.66	0.76

POP-UP SPRAY ASSEMBLIES, HUNTER PRO-SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
▷	PROS-06-PRS40-CV-MP1000-90	15'	0.21	40	0.41	0.48
▷	PROS-06-PRS40-CV-MP1000-90	15'	0.42	40	0.41	0.48



KEY MAP - N.T.S.

A1 IRRIGATION PLAN
0 20' 40'
SCALE: 1" = 20'

5/14/2020

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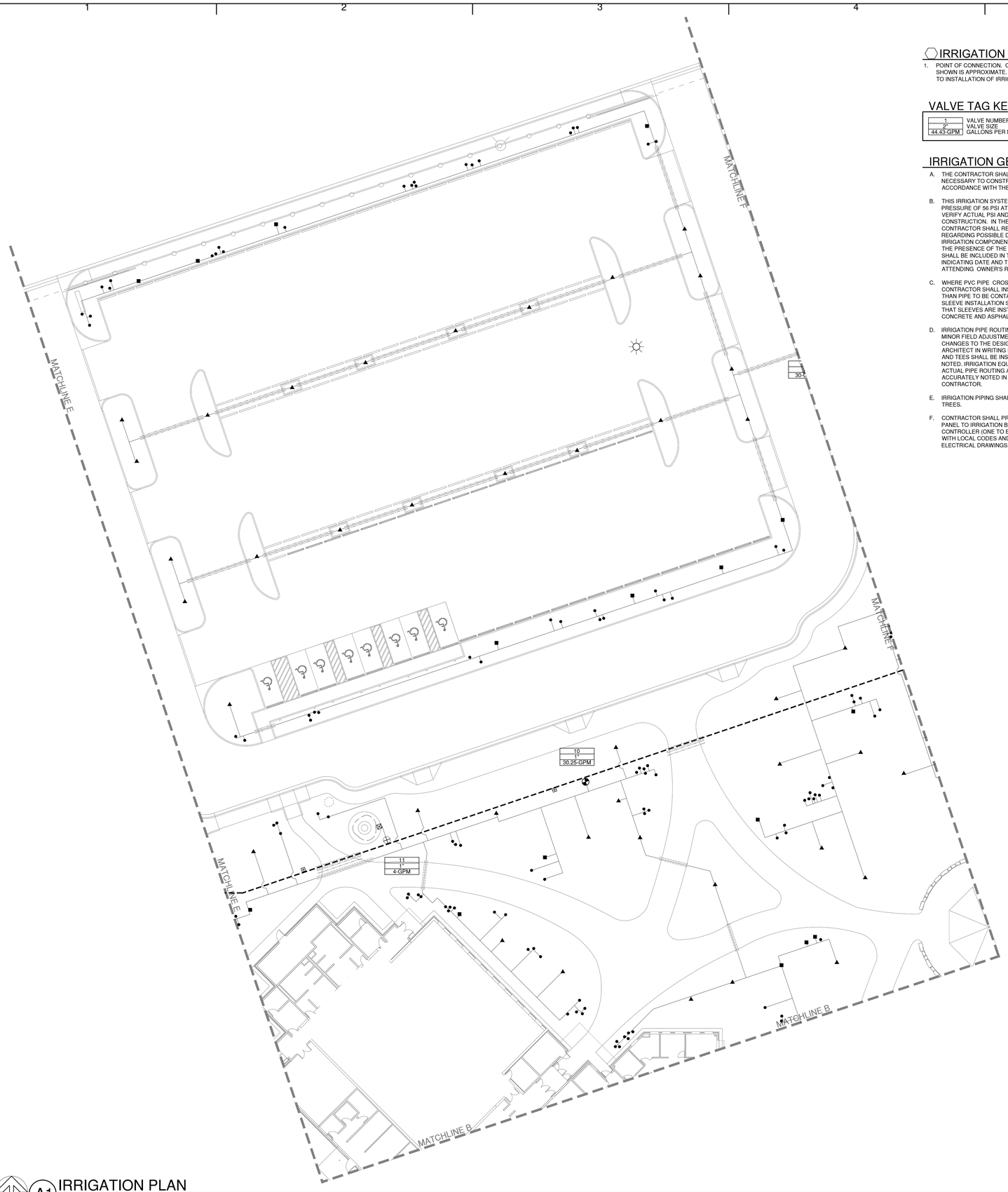
SHEET TITLE
IRRIGATION PLAN

LI-101

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 IRRIGATION PLAN
0 20' 40'
SCALE: 1" = 20'

IRRIGATION KEYED NOTES

1. POINT OF CONNECTION. CONNECT TO EXISTING WATER LINE. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.

VALVE TAG KEY

1	VALVE NUMBER
2"	VALVE SIZE
44.43-GPM	GALLONS PER MINUTE

IRRIGATION GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT THE PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS.

B. THIS IRRIGATION SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 56 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 56 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. WHERE PVC PIPE CROSSES UNDER PAVING OR OTHER HARD CONSTRUCTION, CONTRACTOR SHALL INSTALL IN PVC IRRIGATION SLEEVE TWO SIZES LARGER THAN PIPE TO BE CONTAINED, UNLESS OTHERWISE NOTED ON PLAN. IRRIGATION SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

D. IRRIGATION PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND MAY REQUIRE MINOR FIELD ADJUSTMENTS. IN THE CASE OF MAJOR ADJUSTMENTS OR CHANGES TO THE DESIGN, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. ALL ELBOWS AND TEES SHALL BE INSTALLED IN LANDSCAPE AREAS UNLESS OTHERWISE NOTED. IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS. ACTUAL PIPE ROUTING AND EQUIPMENT LOCATIONS SHALL BE COMPLETELY AND ACCURATELY NOTED IN THE PROJECT AS-BUILTS TO BE PROVIDED BY THE CONTRACTOR.

E. IRRIGATION PIPING SHALL NOT BE INSTALLED WITHIN THE DRIP LINE OF EXISTING TREES.

F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH). WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). SEE ELECTRICAL DRAWINGS.

IRRIGATION LEGEND

- MAIN LINE AND LATERAL SLEEVE PIPING: CLASS 200, SDR–21, BELL–END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.
- WIRE SLEEVE PIPING: CLASS 200, SDR–21, BELL–END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.
- IRRIGATION MAIN LINE: SIZE AS SHOWN ON PLAN. MAIN LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200 SDR 21, O–RING GASKET PVC. MAIN LINE 2" AND SMALLER SHALL BE SCH. 40 BELL END SOLVENT WELD PVC. DEPTH OF BURY 42" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 24" FOR NON–CONTINUOUS.
- IRRIGATION LATERAL: LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200, SDR 21 O–RING GASKET PVC. LINE 2" AND LESS IN SIZE SHALL BE SCH. 40, BELL–END, SOLVENT WELD PVC. DEPTH OF BURY 24". SIZE AS SHOWN ON PLAN. PIPE CONVEYING 5 GPM OR LESS SHALL BE 3/4".
- 3/4" POLYETHELENE DRIP LINE. DEPTH OF BURY 6", WITH NDS 2–GPH FLAG EMITTERS ON 1/4" DISTRIBUTION TUBING. INSTALL EMITTERS AT A RATE OF TWO (2) PER SMALL SHRUB, FOUR (4) PER VERTICAL SHRUB.
- ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE. SIZE: SAME AS LINE. SEE DETAIL A4/LI–501
- BACKFLOW PREVENTER, MASTER VALVE, AND FLOW SENSOR ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO MODEL LF886V, 3" DUCTILE IRON REDUCED PRESSURE BACKFLOW PREVENTER WITH RAIN BIRD 300–BPES GLOBE BODY BRASS 24–VOLT MASTER VALVE IN VALVE BOX WITH LID. FLOW SENSOR SHALL BE RAIN BIRD MODEL FS150B. SEE DETAILS A1/LI–501 AND A3/LI–501, SIM.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB SERIES, PLASTIC BODY 24–VOLT AUTOMATIC VALVE WITH PRS–D PRESSURE REGULATING MODULE, SIZE AS SHOWN ON PLAN. SEE DETAIL A3/LI–501.
- REMOTE CONTROL DRIP VALVE ASSEMBLY, RAINBIRD XCZ–100–PRB–COM DRIP KIT WITH ISOLATION VALVE AND BASKET FILTER. SEE DETAIL B3/LI–501.
- PVC LATERAL TO POLY PIPE CONNECTION, RAIN BIRD MDC75FPT. SEE DETAIL C6/LS–501.
- AIR RELEASE VALVE, CRISPIN AL10. INSTALL AT HIGH POINT ON THE MAIN LINE. SEE DETAIL C4/LI–501.
- SOLVENT WELD CAP: SCH. 40 PVC, LINE SIZE.
- C — IRRIGATION CONTROLLER. CONTROLLER SHALL BE RAIN BIRD MODEL ESP12LXMEF 12–STATION CONTROLLER WITH TWO ESPLXMSM12 12–STATION EXPANSION MODULES (36 STATIONS TOTAL) AND FACTORY INSTALLED FLOW SMART MODULE. INSTALL CONTROLLER IN LXMMSS STAINLESS STEEL LOCKABLE CABINET ON LXMMSSPED PEDESTAL. SEE DETAIL E1/LI–501.
- QUICK COUPLER, RAIN BIRD 44RC. QUICK COUPLERS PROVIDED TO HAND WATER SEED DURING ESTABLISHMENT PERIOD AND FOR SUPPLEMENTAL IRRIGATION AS NEEDED AFTER ESTABLISHMENT.
- P — IRRIGATION PUMP STATION. STATION SHALL BE RAIN BIRD MODEL H1D003N0G00008SDF3–22BF1H9C0–3X480, QUOTE NUMBER CVC082020401A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI–501

MODEL NO.	GPM	PSI	NOTE
1401	0.25	40	1 PER SHRUB
1401	0.50	40	2 PER SHRUB
1401	0.75	40	3 PER TREE
1404	2.0	40	2 PER TREE

ROTOR ASSEMBLIES, HUNTER MODEL I–25–06–SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI–501.

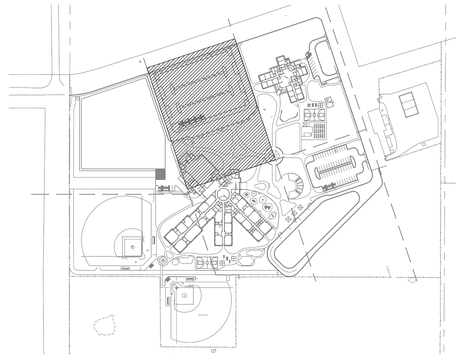
MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
I–25–06–SS–20	62'	17.8	60	1.78	2.06
I–25–06–SS–20	62'	17.8	60	0.89	1.03
I–25–06–SS–20	62'	17.8	60	0.45	0.52
I–25–06–SS–10	52'	11.1	60	1.58	1.82
I–25–06–SS–10	52'	11.1	60	0.79	0.91
I–25–06–SS–10	53'	11.1	60	0.40	0.46
I–25–06–SS–15	57'	14.3	60	1.70	1.96
I–25–06–SS–15	57'	14.3	60	0.85	0.98
I–25–06–SS–15	57'	14.3	60	0.43	0.49

ROTOR ASSEMBLIES, HUNTER MODEL I–20–06–SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI–501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
I–20–06–SS–MPR–25	25'	1.11	55	0.68	0.79
I–20–06–SS–MPR–25	25'	2.21	55	0.68	0.79
I–20–06–SS–MPR–35	35'	2.13	55	0.67	0.77
I–20–06–SS–MPR–35	35'	4.23	55	0.65	0.77
I–20–06–SS–MPR–35	35'	8.43	55	0.66	0.76

POP–UP SPRAY ASSEMBLIES, HUNTER PRO–SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI–501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
PROS–06–PRS40–CV–MP1000–90	15'	0.21	40	0.41	0.48
PROS–06–PRS40–CV–MP1000–90	15'	0.42	40	0.41	0.48



KEY MAP - N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

IRRIGATION PLAN

LI-102

5/14/2020

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

IRRIGATION KEYED NOTES

1. POINT OF CONNECTION. CONNECT TO EXISTING WATER LINE. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.

VALVE TAG KEY

1	VALVE NUMBER
2"	VALVE SIZE
44.43-GPM	GALLONS PER MINUTE

IRRIGATION GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT THE PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS.

B. THIS IRRIGATION SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 56 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 56 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. WHERE PVC PIPE CROSSES UNDER PAVING OR OTHER HARD CONSTRUCTION, CONTRACTOR SHALL INSTALL IN PVC IRRIGATION SLEEVE TWO SIZES LARGER THAN PIPE TO BE CONTAINED, UNLESS OTHERWISE NOTED ON PLAN. IRRIGATION SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

D. IRRIGATION PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND MAY REQUIRE MINOR FIELD ADJUSTMENTS. IN THE CASE OF MAJOR ADJUSTMENTS OR CHANGES TO THE DESIGN, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. ALL ELBOWS AND TEES SHALL BE INSTALLED IN LANDSCAPE AREAS UNLESS OTHERWISE NOTED. IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS. ACTUAL PIPE ROUTING AND EQUIPMENT LOCATIONS SHALL BE COMPLETELY AND ACCURATELY NOTED IN THE PROJECT AS-BUILTS TO BE PROVIDED BY THE CONTRACTOR.

E. IRRIGATION PIPING SHALL NOT BE INSTALLED WITHIN THE DRIP LINE OF EXISTING TREES.

F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH), WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). SEE ELECTRICAL DRAWINGS.

IRRIGATION LEGEND

MAIN LINE AND LATERAL SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

WIRE SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

IRRIGATION MAIN LINE: SIZE AS SHOWN ON PLAN. MAIN LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200 SDR 21, O-RING GASKET PVC. MAIN LINE 2" AND SMALLER SHALL BE SCH. 40 BELL END SOLVENT WELD PVC. DEPTH OF BURY 42" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 24" FOR NON-CONTINUOUS.

IRRIGATION LATERAL: LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200, SDR 21 O-RING GASKET PVC. LINE 2" AND LESS IN SIZE SHALL BE SCH. 40, BELL-END, SOLVENT WELD PVC, DEPTH OF BURY 24", SIZE AS SHOWN ON PLAN. PIPE CONVEYING 5 GPM OR LESS SHALL BE 3/4".

3/4" POLYETHELENE DRIP LINE. DEPTH OF BURY 6", WITH NDS 2-GPH FLAG EMITTERS ON 1/4" DISTRIBUTION TUBING. INSTALL EMITTERS AT A RATE OF TWO (2) PER SMALL SHRUB, FOUR (4) PER VERTICAL SHRUB.

ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE. SIZE: SAME AS LINE. SEE DETAIL A4/LI-501

BACKFLOW PREVENTER, MASTER VALVE, AND FLOW SENSOR ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO MODEL LF886V, 3" DUCTILE IRON REDUCED PRESSURE BACKFLOW PREVENTER WITH RAIN BIRD 300-BPES GLOBE BODY BRASS 24-VOLT MASTER VALVE IN VALVE BOX WITH LID. FLOW SENSOR SHALL BE RAIN BIRD MODEL FS150B. SEE DETAILS A1/LI-501 AND A3/LI-501, SIM.

REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB SERIES, PLASTIC BODY 24-VOLT AUTOMATIC VALVE WITH PRS-D PRESSURE REGULATING MODULE, SIZE AS SHOWN ON PLAN. SEE DETAIL A3/LI-501.

REMOTE CONTROL DRIP VALVE ASSEMBLY, RAINBIRD XCZ-100-PRB-COM DRIP KIT WITH ISOLATION VALVE AND BASKET FILTER. SEE DETAIL B3/LI-501.

PVC LATERAL TO POLY PIPE CONNECTION, RAIN BIRD MDC75FPT. SEE DETAIL C6/LS-501.

AIR RELEASE VALVE, CRISPIN AL10. INSTALL AT HIGH POINT ON THE MAIN LINE. SEE DETAIL C4/LI-501.

SOLVENT WELD CAP: SCH. 40 PVC, LINE SIZE.

C — IRRIGATION CONTROLLER. CONTROLLER SHALL BE RAIN BIRD MODEL ESP12LXMEF 12-STATION CONTROLLER WITH TWO ESPLXMSM12 12-STATION EXPANSION MODULES (36 STATIONS TOTAL) AND FACTORY INSTALLED FLOW SMART MODULE. INSTALL CONTROLLER IN LXMMSS STAINLESS STEEL LOCKABLE CABINET ON LXMMSSPED PEDESTAL. SEE DETAIL E1/LI-501.

QUICK COUPLER, RAIN BIRD 44RC. QUICK COUPLERS PROVIDED TO HAND WATER SEED DURING ESTABLISHMENT PERIOD AND FOR SUPPLEMENTAL IRRIGATION AS NEEDED AFTER ESTABLISHMENT.

P — IRRIGATION PUMP STATION. STATION SHALL BE RAIN BIRD MODEL H1D003N0G000008SDF3-22BF1H9C0-3X480, QUOTE NUMBER CVC082020401A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI-501

	MODEL NO.	GPM	PSI	NOTE
●	1401	0.25	40	1 PER SHRUB
■	1401	0.50	40	2 PER SHRUB
▲	1401	0.75	40	3 PER TREE
●	1404	2.0	40	2 PER TREE

ROTOR ASSEMBLIES, HUNTER MODEL I-25-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

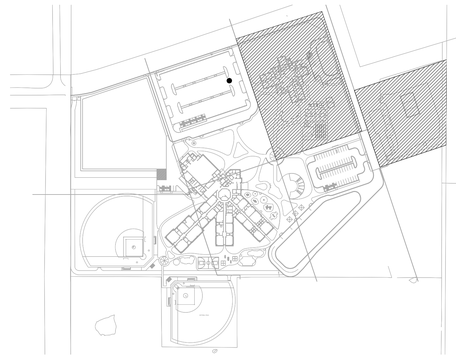
	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
20	I-25-06-SS-20	62'	17.8	60	1.78	2.06
20	I-25-06-SS-20	62'	17.8	60	0.89	1.03
20	I-25-06-SS-20	62'	17.8	60	0.45	0.52
10	I-25-06-SS-10	52'	11.1	60	1.58	1.82
10	I-25-06-SS-10	52'	11.1	60	0.79	0.91
10	I-25-06-SS-10	53'	11.1	60	0.40	0.46
15	I-25-06-SS-15	57'	14.3	60	1.70	1.96
15	I-25-06-SS-15	57'	14.3	60	0.85	0.98
15	I-25-06-SS-15	57'	14.3	60	0.43	0.49

ROTOR ASSEMBLIES, HUNTER MODEL I-20-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
25	I-20-06-SS-MPR-25	25'	1.11	55	0.68	0.79
25	I-20-06-SS-MPR-25	25'	2.21	55	0.68	0.79
35	I-20-06-SS-MPR-35	35'	2.13	55	0.67	0.77
35	I-20-06-SS-MPR-35	35'	4.23	55	0.65	0.77
35	I-20-06-SS-MPR-35	35'	8.43	55	0.66	0.76

POP-UP SPRAY ASSEMBLIES, HUNTER PRO-SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
▷	PROS-06-PRS40-CV-MP1000-90	15'	0.21	40	0.41	0.48
◁	PROS-06-PRS40-CV-MP1000-90	15'	0.42	40	0.41	0.48



KEY MAP - N.T.S.

A1 IRRIGATION PLAN
0 20 40
SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

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CHECKED BY:	WM

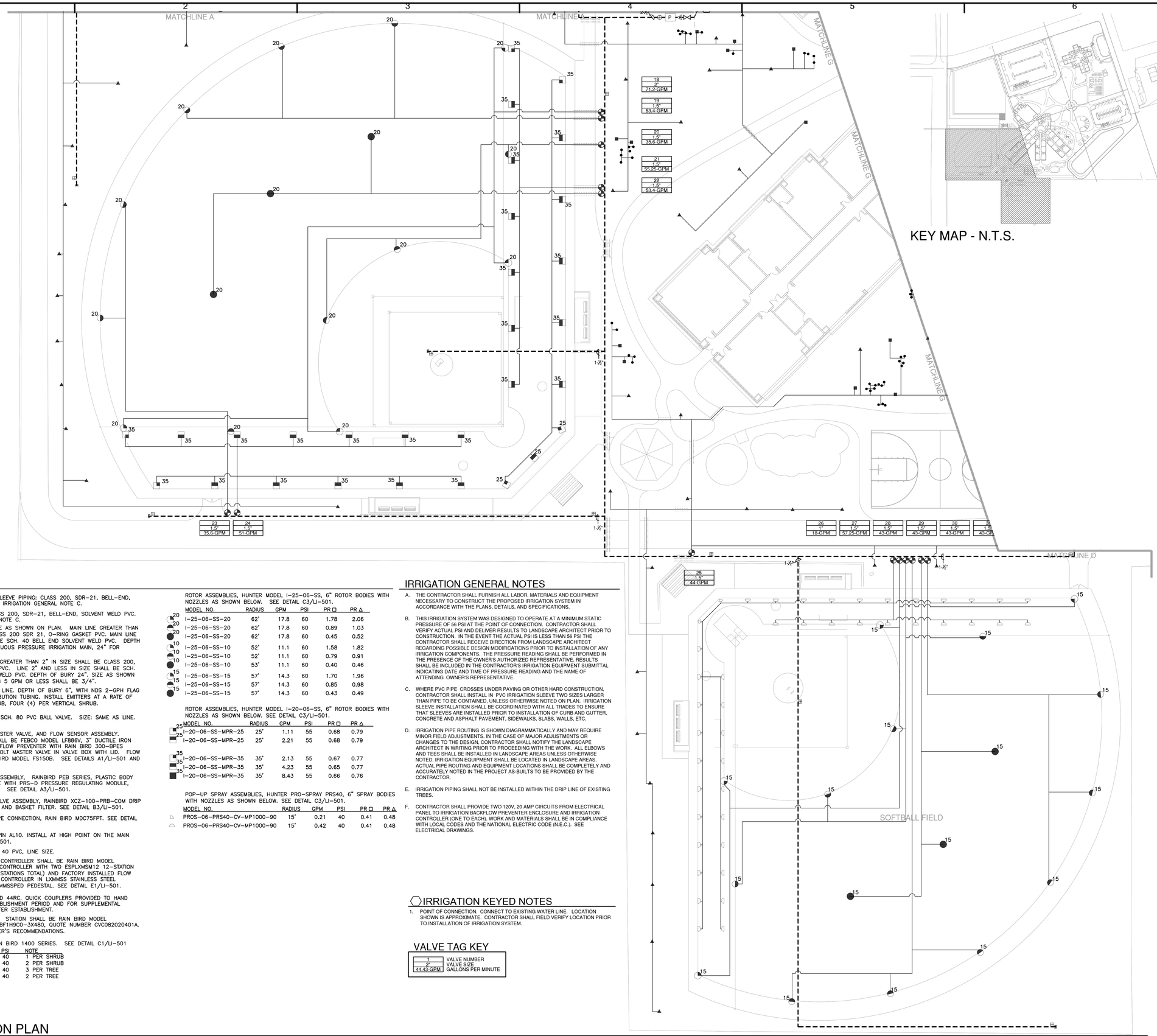
SHEET TITLE

IRRIGATION PLAN

LI-103

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



IRRIGATION LEGEND

MAIN LINE AND LATERAL SLEEVE PIPING: CLASS 200, SDR–21, BELL–END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

WIRE SLEEVE PIPING: CLASS 200, SDR–21, BELL–END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

IRRIGATION MAIN LINE: SIZE AS SHOWN ON PLAN. MAIN LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200 SDR 21, O–RING GASKET PVC. MAIN LINE 2" AND SMALLER SHALL BE SCH. 40 BELL END SOLVENT WELD PVC. DEPTH OF BURY 42" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 24" FOR NON–CONTINUOUS.

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3/4" POLYETHELENE DRIP LINE. DEPTH OF BURY 6", WITH NDS 2–GPH FLAG EMITTERS ON 1/4" DISTRIBUTION TUBING. INSTALL EMITTERS AT A RATE OF TWO (2) PER SMALL SHRUB, FOUR (4) PER VERTICAL SHRUB.

ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE. SIZE: SAME AS LINE. SEE DETAIL A4/LI–501

BACKFLOW PREVENTER, MASTER VALVE, AND FLOW SENSOR ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO MODEL LF886V, 3" DUCTILE IRON REDUCED PRESSURE BACKFLOW PREVENTER WITH RAIN BIRD 300–BPES GLOBE BODY BRASS 24–VOLT MASTER VALVE IN VALVE BOX WITH LID. FLOW SENSOR SHALL BE RAIN BIRD MODEL FS150B. SEE DETAILS A1/LI–501 AND A3/LI–501, SIM.

REMOTE CONTROL VALVE ASSEMBLY. RAINBIRD PEB SERIES, PLASTIC BODY 24–VOLT AUTOMATIC VALVE WITH PRS–D PRESSURE REGULATING MODULE, SIZE AS SHOWN ON PLAN. SEE DETAIL A3/LI–501.

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AIR RELEASE VALVE, CRISPIN AL10. INSTALL AT HIGH POINT ON THE MAIN LINE. SEE DETAIL C4/LI–501.

SOLVENT WELD CAP: SCH. 40 PVC, LINE SIZE.

C IRRIGATION CONTROLLER. CONTROLLER SHALL BE RAIN BIRD MODEL ESP12LXMEF 12–STATION CONTROLLER WITH TWO ESPLXMSM12 12–STATION EXPANSION MODULES (36 STATIONS TOTAL) AND FACTORY INSTALLED FLOW SMART MODULE. INSTALL CONTROLLER IN LXMMSS STAINLESS STEEL LOCKABLE CABINET ON LXMMSSPED PEDESTAL. SEE DETAIL E1/LI–501.

QUICK COUPLER, RAIN BIRD 44RC. QUICK COUPLERS PROVIDED TO HAND WATER SEED DURING ESTABLISHMENT PERIOD AND FOR SUPPLEMENTAL IRRIGATION AS NEEDED AFTER ESTABLISHMENT.

P IRRIGATION PUMP STATION. STATION SHALL BE RAIN BIRD MODEL H1D003N0G00008SDF3–22BF1H9C0–3X480, QUOTE NUMBER CVC08202040 1A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI–501

	MODEL NO.	GPM	PSI	NOTE
●	1401	0.25	40	1 PER SHRUB
■	1401	0.50	40	2 PER SHRUB
▲	1401	0.75	40	3 PER TREE
●	1404	2.0	40	2 PER TREE

ROTOR ASSEMBLIES, HUNTER MODEL I–25–06–SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI–501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
20 I–25–06–SS–20	62'	17.8	60	1.78	2.06
20 I–25–06–SS–20	62'	17.8	60	0.89	1.03
20 I–25–06–SS–20	62'	17.8	60	0.45	0.52
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10 I–25–06–SS–10	53'	11.1	60	0.40	0.46
15 I–25–06–SS–15	57'	14.3	60	1.70	1.96
15 I–25–06–SS–15	57'	14.3	60	0.85	0.98
15 I–25–06–SS–15	57'	14.3	60	0.43	0.49

ROTOR ASSEMBLIES, HUNTER MODEL I–20–06–SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI–501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
25 I–20–06–SS–MPR–25	25'	1.11	55	0.68	0.79
25 I–20–06–SS–MPR–25	25'	2.21	55	0.68	0.79
35 I–20–06–SS–MPR–35	35'	2.13	55	0.67	0.77
35 I–20–06–SS–MPR–35	35'	4.23	55	0.65	0.77
35 I–20–06–SS–MPR–35	35'	8.43	55	0.66	0.76

POP–UP SPRAY ASSEMBLIES, HUNTER PRO–SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI–501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
PROS–06–PRS40–CV–MP1000–90	15'	0.21	40	0.41	0.48
PROS–06–PRS40–CV–MP1000–90	15'	0.42	40	0.41	0.48

IRRIGATION GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT THE PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS.

B. THIS IRRIGATION SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 55 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 56 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. WHERE PVC PIPE CROSSES UNDER PAVING OR OTHER HARD CONSTRUCTION, CONTRACTOR SHALL INSTALL IN PVC IRRIGATION SLEEVE TWO SIZES LARGER THAN PIPE TO BE CONTAINED, UNLESS OTHERWISE NOTED ON PLAN. IRRIGATION SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

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E. IRRIGATION PIPING SHALL NOT BE INSTALLED WITHIN THE DRIP LINE OF EXISTING TREES.

F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH). WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). SEE ELECTRICAL DRAWINGS.

IRRIGATION KEYED NOTES

1. POINT OF CONNECTION. CONNECT TO EXISTING WATER LINE. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.

VALVE TAG KEY

1	VALVE NUMBER
2"	VALVE SIZE
44.43-GPM	GALLONS PER MINUTE

A1 IRRIGATION PLAN

SCALE: 1" = 20'

5/14/2020

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ARCHITECT

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OCTOBER 2020

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DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

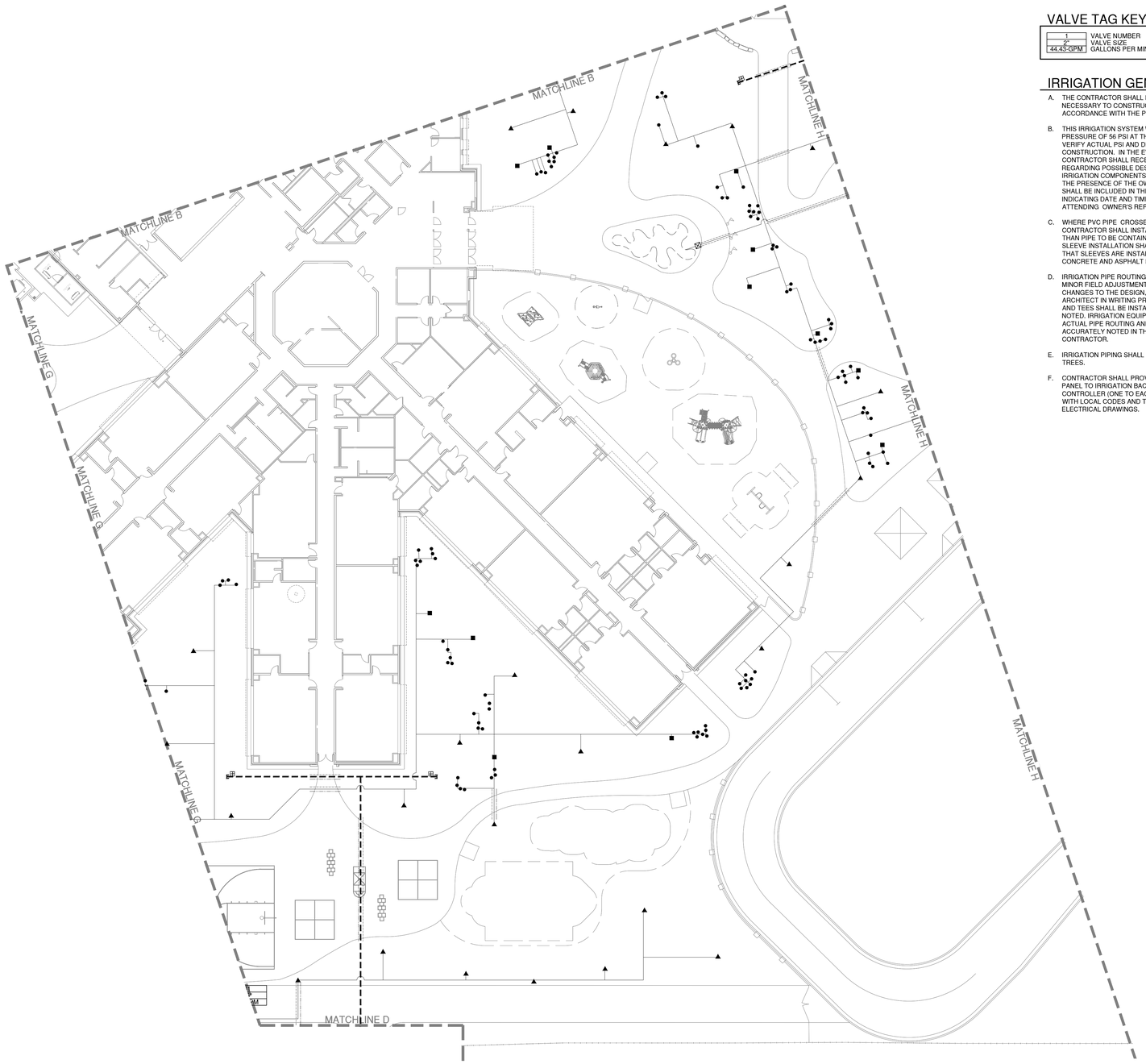
SHEET TITLE

IRRIGATION PLAN

LI-104

Dzilth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



IRRIGATION KEYED NOTES

1. POINT OF CONNECTION. CONNECT TO EXISTING WATER LINE. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.

VALVE TAG KEY

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2"	VALVE SIZE
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IRRIGATION GENERAL NOTES

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B. THIS IRRIGATION SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 56 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 56 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. WHERE PVC PIPE CROSSES UNDER PAVING OR OTHER HARD CONSTRUCTION, CONTRACTOR SHALL INSTALL IN PVC IRRIGATION SLEEVE TWO SIZES LARGER THAN PIPE TO BE CONTAINED, UNLESS OTHERWISE NOTED ON PLAN. IRRIGATION SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

D. IRRIGATION PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND MAY REQUIRE MINOR FIELD ADJUSTMENTS. IN THE CASE OF MAJOR ADJUSTMENTS OR CHANGES TO THE DESIGN, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. ALL ELBOWS AND TEES SHALL BE INSTALLED IN LANDSCAPE AREAS UNLESS OTHERWISE NOTED. IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS. ACTUAL PIPE ROUTING AND EQUIPMENT LOCATIONS SHALL BE COMPLETELY AND ACCURATELY NOTED IN THE PROJECT AS-BUILTS TO BE PROVIDED BY THE CONTRACTOR.

E. IRRIGATION PIPING SHALL NOT BE INSTALLED WITHIN THE DRIP LINE OF EXISTING TREES.

F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH). WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). SEE ELECTRICAL DRAWINGS.

IRRIGATION LEGEND

MAIN LINE AND LATERAL SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

WIRE SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC. SEE IRRIGATION GENERAL NOTE C.

IRRIGATION MAIN LINE: SIZE AS SHOWN ON PLAN. MAIN LINE GREATER THAN 2" IN SIZE SHALL BE CLASS 200 SDR 21, O-RING GASKET PVC. MAIN LINE 2" AND SMALLER SHALL BE SCH. 40 BELL END SOLVENT WELD PVC. DEPTH OF BURY 42" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 24" FOR NON-CONTINUOUS.

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3/4" POLYETHELENE DRIP LINE. DEPTH OF BURY 6", WITH NDS 2-GPH FLAG EMITTERS ON 1/4" DISTRIBUTION TUBING. INSTALL EMITTERS AT A RATE OF TWO (2) PER SMALL SHRUB, FOUR (4) PER VERTICAL SHRUB.

ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE. SIZE: SAME AS LINE. SEE DETAIL A4/LI-501

BACKFLOW PREVENTER, MASTER VALVE, AND FLOW SENSOR ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO MODEL LF886V, 3" DUCTILE IRON REDUCED PRESSURE BACKFLOW PREVENTER WITH RAIN BIRD 300-BPES GLOBE BODY BRASS 24-VOLT MASTER VALVE IN VALVE BOX WITH LID. FLOW SENSOR SHALL BE RAIN BIRD MODEL FS150B. SEE DETAILS A1/LI-501 AND A3/LI-501, SIM.

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PVC LATERAL TO POLY PIPE CONNECTION, RAIN BIRD MDC75FPT. SEE DETAIL C6/LS-501.

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P IRRIGATION PUMP STATION. STATION SHALL BE RAIN BIRD MODEL H1D003N0G00008SDF3-22BF1H9C0-3X480, QUOTE NUMBER CVC082020401A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI-501

MODEL NO.	GPM	PSI	NOTE
1401	0.25	40	1 PER SHRUB
1401	0.50	40	2 PER SHRUB
1401	0.75	40	3 PER TREE
1404	2.0	40	2 PER TREE

ROTOR ASSEMBLIES, HUNTER MODEL I-25-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

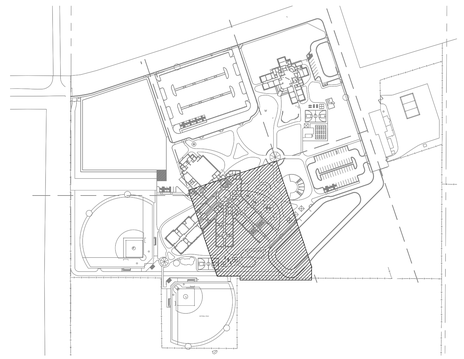
MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
I-25-06-SS-20	62'	17.8	60	1.78	2.06
I-25-06-SS-20	62'	17.8	60	0.89	1.03
I-25-06-SS-20	62'	17.8	60	0.45	0.52
I-25-06-SS-10	52'	11.1	60	1.58	1.82
I-25-06-SS-10	52'	11.1	60	0.79	0.91
I-25-06-SS-10	53'	11.1	60	0.40	0.46
I-25-06-SS-15	57'	14.3	60	1.70	1.96
I-25-06-SS-15	57'	14.3	60	0.85	0.98
I-25-06-SS-15	57'	14.3	60	0.43	0.49

ROTOR ASSEMBLIES, HUNTER MODEL I-20-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
I-20-06-SS-MPR-25	25'	1.11	55	0.68	0.79
I-20-06-SS-MPR-25	25'	2.21	55	0.68	0.79
I-20-06-SS-MPR-35	35'	2.13	55	0.67	0.77
I-20-06-SS-MPR-35	35'	4.23	55	0.65	0.77
I-20-06-SS-MPR-35	35'	8.43	55	0.66	0.76

POP-UP SPRAY ASSEMBLIES, HUNTER PRO-SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
PROS-06-PRS40-CV-MP1000-90	15'	0.21	40	0.41	0.48
PROS-06-PRS40-CV-MP1000-90	15'	0.42	40	0.41	0.48



KEY MAP - N.T.S.

A1 IRRIGATION PLAN
0 20' 40'
SCALE: 1" = 20'

5/14/2020

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

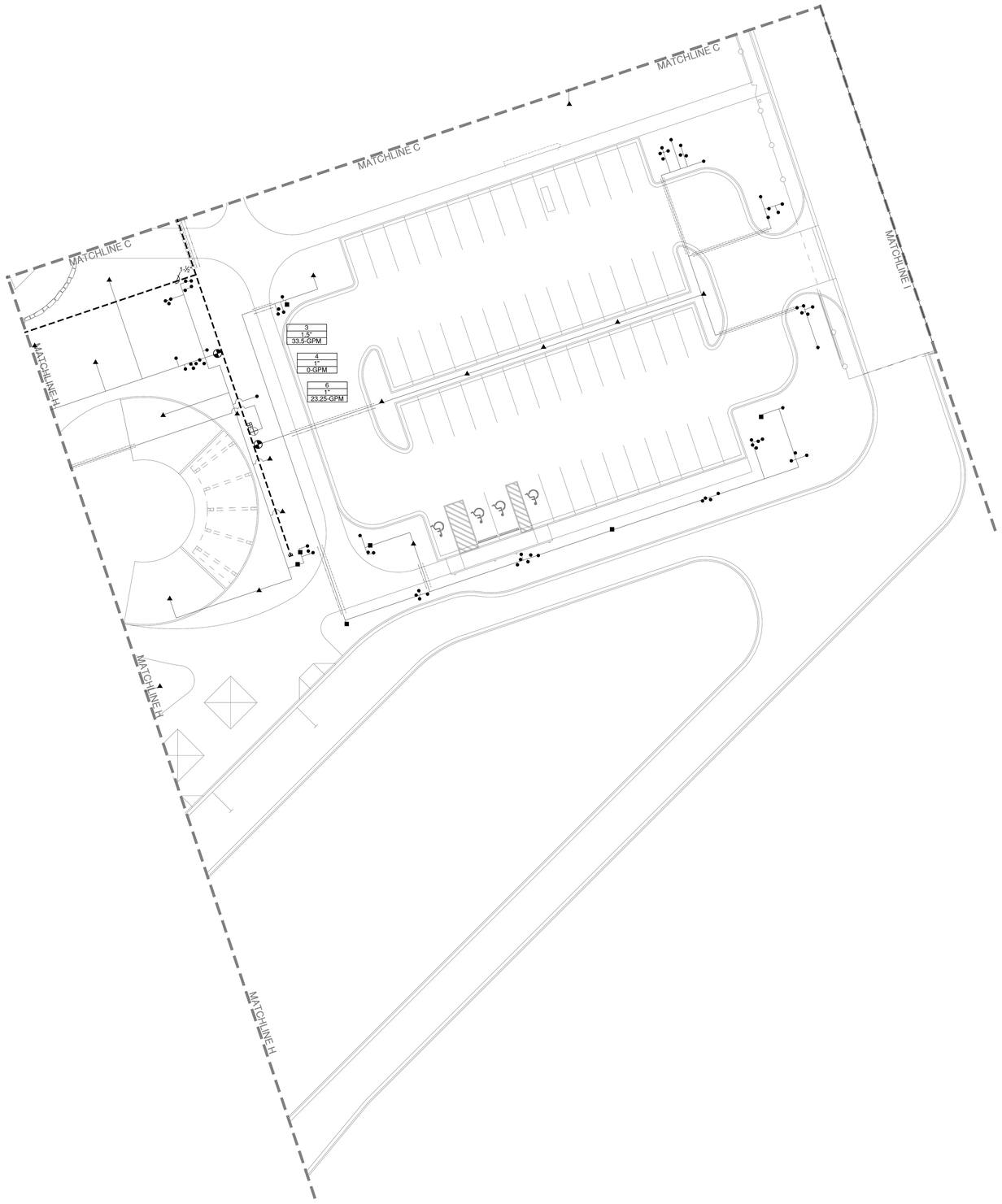
SHEET TITLE

IRRIGATION PLAN

LI-105

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



IRRIGATION KEYED NOTES

1. POINT OF CONNECTION. CONNECT TO EXISTING WATER LINE. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.

VALVE TAG KEY

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2"	VALVE SIZE
44.43-GPM	GALLONS PER MINUTE

IRRIGATION GENERAL NOTES

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BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI-501

MODEL NO.	GPM	PSI	NOTE
1401	0.25	40	1 PER SHRUB
1401	0.50	40	2 PER SHRUB
1401	0.75	40	3 PER TREE
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ROTOR ASSEMBLIES, HUNTER MODEL I-25-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
I-25-06-SS-20	62'	17.8	60	1.78	2.06
I-25-06-SS-20	62'	17.8	60	0.89	1.03
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MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
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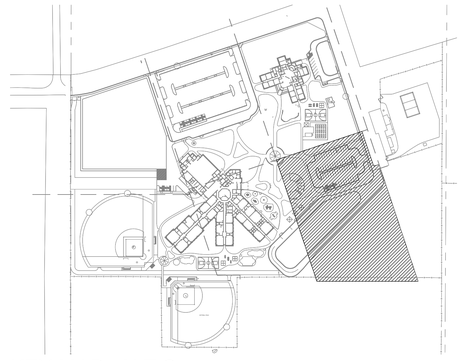
I-20-06-SS-MPR-35	35'	4.23	55	0.65	0.77
I-20-06-SS-MPR-35	35'	8.43	55	0.66	0.76

POP-UP SPRAY ASSEMBLIES, HUNTER PRO-SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
PROS-06-PRS40-CV-MP1000-90	15'	0.21	40	0.41	0.48
PROS-06-PRS40-CV-MP1000-90	15'	0.42	40	0.41	0.48



KEY MAP - N.T.S.

A1 IRRIGATION PLAN

0 20' 40' SCALE: 1" = 20'

5/14/2020

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p_505.838.4111

ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

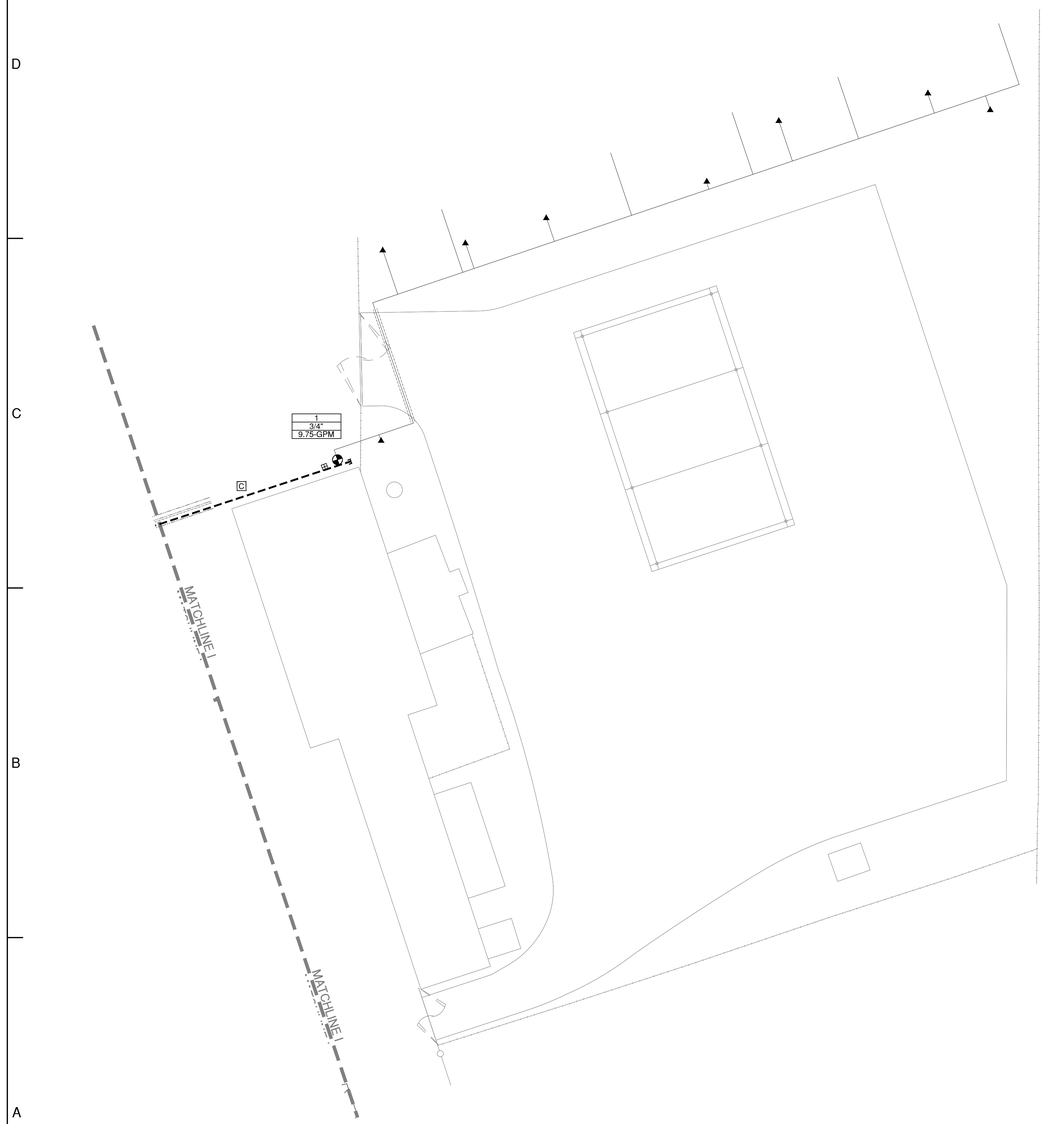
SHEET TITLE

IRRIGATION PLAN

LI-106

Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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0 20' 40'
SCALE: 1" = 20'

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VALVE TAG KEY

1 — VALVE NUMBER
3/4" — VALVE SIZE
44.43-GPM — GALLONS PER MINUTE

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ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE. SIZE: SAME AS LINE. SEE DETAIL A4/LI-501

BACKFLOW PREVENTER, MASTER VALVE, AND FLOW SENSOR ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO MODEL LF886V, 3" DUCTILE IRON REDUCED PRESSURE BACKFLOW PREVENTER WITH RAIN BIRD 300-BPES GLOBE BODY BRASS 24-VOLT MASTER VALVE IN VALVE BOX WITH LID. FLOW SENSOR SHALL BE RAIN BIRD MODEL FS150B. SEE DETAILS A1/LI-501 AND A3/LI-501, SIM.

REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB SERIES, PLASTIC BODY 24-VOLT AUTOMATIC VALVE WITH PRS-D PRESSURE REGULATING MODULE, SIZE AS SHOWN ON PLAN. SEE DETAIL A3/LI-501.

REMOTE CONTROL DRIP VALVE ASSEMBLY, RAINBIRD XCZ-100-PRB-COM DRIP KIT WITH ISOLATION VALVE AND BASKET FILTER. SEE DETAIL B3/LI-501.

PVC LATERAL TO POLY PIPE CONNECTION, RAIN BIRD MDC75FPT. SEE DETAIL C6/LS-501.

AIR RELEASE VALVE, CRISPIN AL10. INSTALL AT HIGH POINT ON THE MAIN LINE. SEE DETAIL C4/LI-501.

SOLVENT WELD CAP: SCH. 40 PVC, LINE SIZE.

C — IRRIGATION CONTROLLER. CONTROLLER SHALL BE RAIN BIRD MODEL ESP12LXMEF 12-STATION CONTROLLER WITH TWO ESPLXMSM12 12-STATION EXPANSION MODULES (36 STATIONS TOTAL) AND FACTORY INSTALLED FLOW SMART MODULE. INSTALL CONTROLLER IN LXMMSS STAINLESS STEEL LOCKABLE CABINET ON LXMMSSPED PEDESTAL. SEE DETAIL E1/LI-501.

QUICK COUPLER, RAIN BIRD 44RC. QUICK COUPLERS PROVIDED TO HAND WATER SEED DURING ESTABLISHMENT PERIOD AND FOR SUPPLEMENTAL IRRIGATION AS NEEDED AFTER ESTABLISHMENT.

P — IRRIGATION PUMP STATION. STATION SHALL BE RAIN BIRD MODEL H1D003N0G00008SDF3-22BF1H9C0-3X480, QUOTE NUMBER CVC082020401A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES. SEE DETAIL C1/LI-501

	MODEL NO.	GPM	PSI	NOTE
●	1401	0.25	40	1 PER SHRUB
■	1401	0.50	40	2 PER SHRUB
▲	1401	0.75	40	3 PER TREE
◆	1404	2.0	40	2 PER TREE

ROTOR ASSEMBLIES, HUNTER MODEL I-25-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

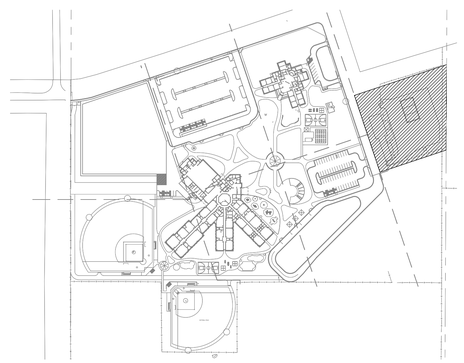
	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
20	I-25-06-SS-20	62'	17.8	60	1.78	2.06
20	I-25-06-SS-20	62'	17.8	60	0.89	1.03
20	I-25-06-SS-20	62'	17.8	60	0.45	0.52
10	I-25-06-SS-10	52'	11.1	60	1.58	1.82
10	I-25-06-SS-10	52'	11.1	60	0.79	0.91
10	I-25-06-SS-10	53'	11.1	60	0.40	0.46
15	I-25-06-SS-15	57'	14.3	60	1.70	1.96
15	I-25-06-SS-15	57'	14.3	60	0.85	0.98
15	I-25-06-SS-15	57'	14.3	60	0.43	0.49

ROTOR ASSEMBLIES, HUNTER MODEL I-20-06-SS, 6" ROTOR BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
25	I-20-06-SS-MPR-25	25'	1.11	55	0.68	0.79
25	I-20-06-SS-MPR-25	25'	2.21	55	0.68	0.79
35	I-20-06-SS-MPR-35	35'	2.13	55	0.67	0.77
35	I-20-06-SS-MPR-35	35'	4.23	55	0.65	0.77
35	I-20-06-SS-MPR-35	35'	8.43	55	0.66	0.76

POP-UP SPRAY ASSEMBLIES, HUNTER PRO-SPRAY PRS40, 6" SPRAY BODIES WITH NOZZLES AS SHOWN BELOW. SEE DETAIL C3/LI-501.

	MODEL NO.	RADIUS	GPM	PSI	PR □	PR △
▷	PROS-06-PRS40-CV-MP1000-90	15'	0.21	40	0.41	0.48
▷	PROS-06-PRS40-CV-MP1000-90	15'	0.42	40	0.41	0.48



KEY MAP - N.T.S.

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ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

99% CONSTRUCTION DOCUMENTS
35 Road 7585
Bloomfield, NM 87413

OCTOBER 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	10/2/2020
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CAD DWG FILE:	
DRAWN BY:	WM/MP/BS
CHECKED BY:	WM

SHEET TITLE

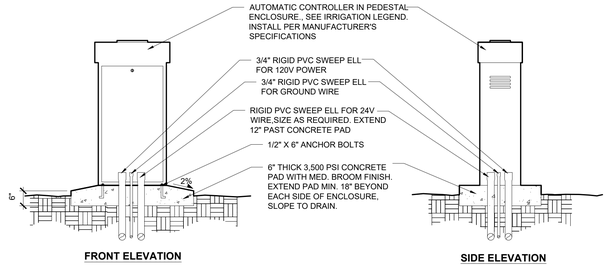
IRRIGATION PLAN

LI-107

5/14/2020

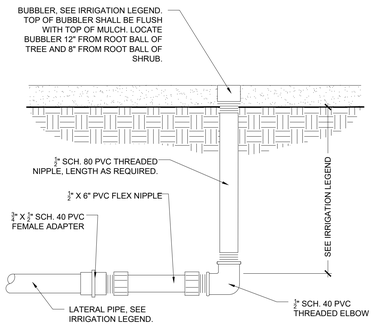
Dziłth-Na-O-Dith-Hle Community School

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



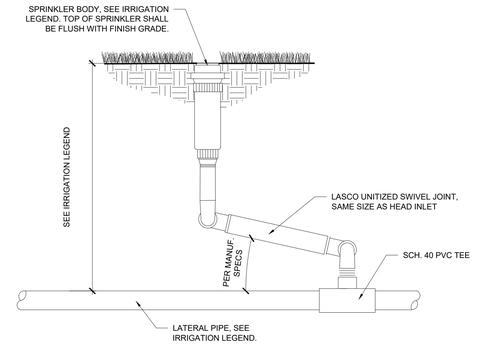
B1 PEDESTAL MOUNTED CONTROLLER

SCALE: N.T.S.



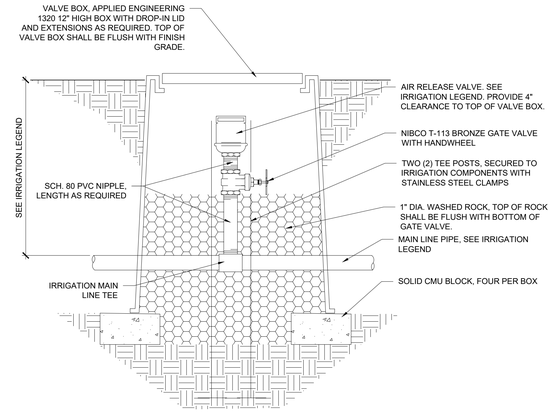
B4 BUBBLER ASSEMBLY

SCALE: N.T.S.



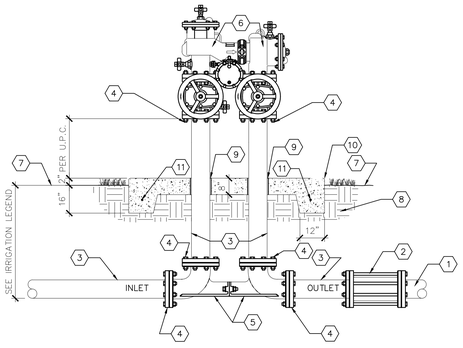
C3 SPRINKLER ASSEMBLY WITH SWING JOINT

SCALE: N.T.S.



C4 AIR RELEASE VALVE ASSEMBLY

SCALE: N.T.S.

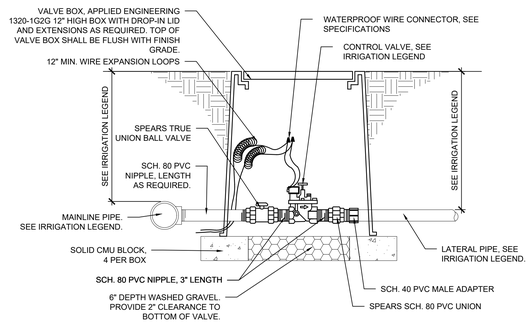


KEYED NOTES

1. CLASS 200 PVC MAINLINE PIPE, SIZE 2-1/2".
2. FLANGED TRANSITION COUPLING, SIZE 2-1/2".
3. DUCTILE IRON SPOOL PIECE WITH WELDED FLANGES, SIZE 2-1/2".
4. WELDED STEEL FLANGE, SIZE 2-1/2" WITH BOLT AND GASKET SET.
5. FEBCO MODEL 611 FLANGE X FLANGE VALVE SETTER, SIZE 2-1/2".
6. FEBCO 880/880V SERIES REDUCED PRESSURE BACKFLOW PREVENTER WITH NRS GATE VALVES, SIZE 2-1/2".
7. FINISH GRADE.
8. COMPACT SUB-GRADE TO 95% MODIFIED PROCTOR.
9. 1/2" FELT EXPANSION MATERIAL FORMED TO FIT PIPE.
10. 3000 PSI CONCRETE PAD, 8" THICK.
11. #4 REBAR, HORIZONTAL AND CONTINUOUS.

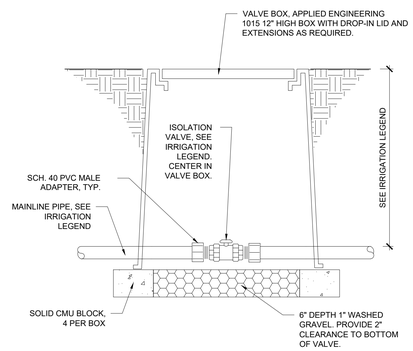
A1 BACKFLOW PREVENTER ASSEMBLY

SCALE: N.T.S.



A3 REMOTE CONTROL VALVE

SCALE: N.T.S.



A4 MANUAL ISOLATION VALVE

SCALE: N.T.S.

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SHEET TITLE
IRRIGATION DETAILS

LI-501

5/14/2020

Dziłth-Na-O-Dith-Hle Community School

GENERAL STRUCTURAL NOTES

1. CODES AND MANUALS:
NFPA 5000, 2018 EDITION
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-10,
AISC MANUAL OF STEEL CONSTRUCTION, 9TH EDITION
SJI STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS
SDI DIAPHRAGM DESIGN MANUAL, 2ND EDITION
AISI COLD FORMED STEEL MANUAL, CURRENT EDITION
ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318
AWS D1.1 AND D1.3

2. DESIGN CRITERIA:
A. VERTICAL:
LIVE LOAD
ROOF (SNOW) 25 PSF + DRIFTS

Is (IMPORTANCE FACTOR FOR SNOW) 1.1
* LOAD HAS NOT BEEN REDUCED

B. HORIZONTAL LOADS:
(1) WIND*
PROCEDURE PER SECTION 1609

P = WIND PRESSURE x λ x Iw

WIND SPEED	V3s=90 MPH
WIND PRESSURE : END ZONE	12.8 PSF
INTERIOR ZONE	8.5 PSF
HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENT FROM FIGURE 6-2 IN ASCE	
IMPORTANCE FACTOR	Iw = 1.15
HORIZONTAL WIND LOAD:	END INTERIOR
	19.6 PSF 13.0 PSF

(2) SEISMIC*	V = Sds Ie W/ R
SPECTRAL ACCELERATIONS	Ss=0.147
	S1=0.057
SITE CLASS	D
IMPORTANCE FACTOR	Ie = 1.25
DESIGN SPECTRAL RESPONSE	Sds = 0.157
ONE SECOND PERIOD RESPONSE ACCEL.	Sd1 = 0.091
RESPONSE MODIFICATION COEFFICIENT	R = 3.25
SEISMIC DESIGN CATEGORY	B
SEISMIC FORCE	V = 0.06 X W

* ALLOWABLE 1/3 STRESS INCREASE FOR SEISMIC LOADING
C. ALLOWABLE SOIL BEARING PRESSURE = 2500 PSF

3. GENERAL:
A. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LAYOUT OF BOTH SITE AND BUILDING ELEMENTS. COORDINATE FIELD INFORMATION WITH ARCHITECTURAL PRIOR TO ANY CONSTRUCTION ACTIVITY .
B. SHOP DRAWINGS, IN HARD COPY FORM, SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED.
C. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND REQUIRE RESUBMITTAL.
D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.
E. TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.
F. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, WALLS AND BEAMS WITH THE INDIVIDUAL TRADES.
G. NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.
H. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON STRUCTURAL DRAWINGS.
I. REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH ACI 347. WHERE CONCRETE MUST SUPPORT SUPERIMPOSED LOADS PRIOR TO ATTAINING THE SPECIFIED DESIGN STRENGTH, RESHORE CONCRETE IN ACCORDANCE WITH ACI 347. RESHORING SHALL NOT BE REMOVED SOONER THAN 28 DAYS FROM THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.

4. MATERIALS:
A. CAST-IN-PLACE CONCRETE:
(1) ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-10.
(2) ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.
(3) NORMALWEIGHT CONCRETE:
A. F'C = 4000 PSI @ 28 DAYS (AIR ENTRAINED) - ALL EXPOSED EXTERIOR CONCRETE FLAT WORK. (I.E. SLABS, EQUIPMENT PADS, ETC.).
B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (AIR ENTRAINED) IE. , FOOTINGS, PEDESTALS, STEM WALLS, ETC.)
C. F'C = 4000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE.
D. F'C = 4000 PSI @ 28 DAYS (AIR ENTRAINED) - ALL WALLS.
(4) THE CONTRACTOR SHALL NOT CAST FOUNDATIONS, STEM WALLS OR RETAINING WALLS AGAINST EXCAVATED VERTICAL SIDE SURFACES WITHOUT PRIOR WRITTEN APPROVAL FROM ARCHITECT AND STRUCTURAL ENGINEER.
(5) FLYASH ADDITIVES MAY NOT EXCEED 20% OF THE CEMENTITIOUS MATERIAL.
(6) THE MAXIMUM WATER TO CEMENTITIOUS MATERIAL RATIO, BY WEIGHT, MAY NOT EXCEED 50%.
(7) THE OWNER'S SPECIAL INSPECTOR SHALL MONITOR SAMPLING & TESTING PERFORMED BY THE CONTRACTOR'S TESTING AGENCY.
(8) MAXIMUM SLUMP FOR CONCRETE MIX DESIGN IS 4".
B. REINFORCING STEEL:
(1) ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND THE STANDARD MANUAL (ACI 315-99).
(2) ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 EXCEPT STIRRUPS, TIES AND FIELD-BENT BARS WHICH SHALL CONFORM TO ASTM A615 GRADE 40.
(3) ALL SLABS SHALL BE REINFORCED AS SHOWN ON THE DRAWINGS.
(4) WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:
A. VERTICAL REINFORCING:30 BAR DIA. (18" MINIMUM)
B. HORIZONTAL REINFORCING:30 BAR DIA. (18" MINIMUM)
(5) ALL HORIZONTAL REINFORCING IN FOOTINGS, BEAMS, AND WALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF 30 BAR DIAMETERS, (18 INCHES MINIMUM).
(6) CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH...3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER:
1. BARS LARGER THAN NO. 5.....2"
2. BARS NO. 5 OR SMALLER.....1 1/2"
(7) FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL.
(8) BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-99. CHAIRS WITH 22 GA. SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.
(9) REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS. IF DRAWINGS SHOW REBAR TO BE WELDED, USE ASTM A706 REBAR.

C. STRUCTURAL AND MISCELLANEOUS STEEL:
(1) ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
(2) ALL W-SHAPED MEMBERS SHALL CONFORM TO ASTM A992 (Fy=50KSI). ALL CHANNELS, ANGLES, & PLATES SHALL BE ASTM A36 (Fy=36KSI). ALL PIPE STEEL SHALL BE ASTM A501 (Fy=36KSI).
(3) ALL COLD FORMED STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B. FY = 46 KSI.
(4) BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325 BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
(5) ALL BOLTS SHALL BE TIGHTENED SO AS TO SHEAR THE SPLINE OFF THE BOLT.
(6) ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM A307 BOLTS OR A36 THREADED BARS. PROVIDE FLAT WASHERS BETWEEN ALL NUTS AND BASEPLATES.
(7) ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS STRUCTURAL WELDING CODE.
(8) ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF UNFAIR HOLES WILL NOT BE ALLOWED.
(9) HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE TYPE B, IN CONFORMANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTIONS SHALL BE FREE OF PAINT. WELDING PRE QUALIFICATION REQUIRED.

D. STEEL JOISTS:
(1) STEEL JOISTS SHALL BE MANUFACTURED BY A MEMBER OF SJI.
(2) STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE 2002 STEEL JOIST INSTITUTE SPECIFICATIONS.
(3) NO CONSTRUCTION LOADS OF ANY KIND SHALL BE PLACED ON UNBRIDGED JOISTS.
(4) WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS WITH STRUCTURAL STEEL MEMBERS, JOISTS AT OR CLOSEST TO COLUMN LINES SHALL BE FIELD BOLTED TO ADD LATERAL STABILITY DURING CONSTRUCTION.
(5) PROVIDE BRIDGING IN ACCORDANCE WITH THE 42ND EDITION OF SJI STANDARD SPECIFICATIONS.

E. STEEL DECK:
(1) ALL STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS.
(2) SEE PLAN FOR STEEL DECK GAGE, FINISH AND CONNECTIONS.
(3) PROVIDE A MINIMUM OF 1 1/2" BEARING FOR ALL STEEL DECKS.
(4) ALL SPLICES AND LAPS SHALL BE A MINIMUM OF 2" AND SHALL BE AT SUPPORTS.
(5) DECKING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS UNLESS NOTED OTHERWISE ON THE PLANS.
(6) POWER DRIVEN FASTENERS SHALL HAVE A MIN. 0.177 INCH SHAFT DIAMETER AND BE EQUIVALENT TO HILTI ENP DECK FASTENERS.
(7) CONDUIT PARALLEL TO FLOOR DECK IN CONCRETE TOPPING IS PROHIBITED.

F. LIGHTGAGE STRUCTURAL STEEL FRAMING (20 GAGE OR HEAVIER):
(1) ALL LIGHTGAGE METAL FRAMING SHALL CONFORM TO AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", 2007.
(2) WALLS TO BE PROVIDED WITH MANUFACTURER'S STANDARD BRIDGING: (EITHER WELDED 2 1/2" X 18 GA. STUD OR CLIPPED COLD-ROLLED CHANNEL 1 1/2" X 16 GA.). PROVIDE BRIDGING AT 4'-0" O.C. MAXIMUM.
(3) PROVIDE ALL MISCELLANEOUS ACCESSORIES AND FOLLOW ERECTION PROCEDURES AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
(4) LIGHTGAGE STEEL FRAMING SHALL MEET THE MINIMUM PROPERTIES AS SHOWN IN THE STEEL STUD SCHEDULE.
(5) ALL TRACK SHALL BE DEEP LEG (1 1/2" FLANGE), 18 GA. MINIMUM. TRACK SHALL BE ANCHORED TO SLAB WITH 1/2" DIA. X 3 1/2" EMBED EXPANSION SLEEVE OR EPOXY ANCHORS AT 4'-0" O.C. UNLESS SHOWN OTHERWISE ON PLANS.

G. MASONRY:
(1) ALL MASONRY UNITS SHALL BE TYPE I WITH A COMPRESSIVE STRENGTH OF 1900 PSI (NET AREA).
A. F'M = 1500 PSI
(2) MORTAR SHALL BE TYPE S, 1800 PSI.
(3) GROUT - F'C = 2000 PSI.
(4) ALL REINFORCED CELLS SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL IN ACCORDANCE WITH THE IBC.
(5) ALL VERTICAL REBAR SHALL BE IN PLACE AND SECURED WITH REBAR POSITIONERS PRIOR TO GROUTING.
(6) UNLESS OTHERWISE NOTED, MASONRY CELLS SHALL BE GROUTED IN ACCORDANCE WITH THE LOW-LIFT METHOD AS DESCRIBED IN THE INTERNATIONAL BUILDING CODE. (MAX. 4 FT. LIFTS)
(7) ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID UP TO GRADE.
(8) LAP ALL REBAR 48 BAR DIAMETERS (24 INCHES MINIMUM) UNLESS NOTED OTHERWISE.
(9) ALL HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND A LAP OF 48 BAR DIAMETERS (24 INCHES MINIMUM). VERTICAL STEEL SHALL CONTINUE THROUGH BOND BEAMS.

5. POST INSTALLED ANCHORS

POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURERE'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE. PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL ADHESIVES AND MECHANICAL ANCHORS PER THE PRODUCT'S APPLICABLE ICC-ES EVALUATION REPORT (ICC-ES-ESR). CONTACT MANUFACTURER'S REPRESENTATIVE FOR THE INITIAL TRAINING AND INSTALLATION OF ANCHORS AND FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY. CALL SIMPSON STRONG-TIE AT (800) 999-5099 OR HILTI AT (866) 445-8827.

A. CONCRETE ANCHORS:
1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 3552 AND ICC-ES ACI93 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
a. SIMPSON STRONG-TIE "TITEN HD" (ICC-ES ESR-2713)
b. SIMPSON STRONG-TIE "STRONG-BOLT" (ICC-ES ESR-1771) OR HILTI "KWIK BOLT TZ" (ICC-ES ESR-1917)
2. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
a. SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508) OR HILTI "HIT-RE 500-SD" (ICC-ES ESR-2322)

B. MASONRY ANCHORS:
1. ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:
a. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ACI06. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
1.SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056) OR HILTI "HUS-H" (ICC-ES ESR-2369)
2. SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES ESR-1396) OR HILTI "KWIK BOLT 3" (ICC-ES ESR-1385)
b. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
1.SIMPSON STRONG-TIE "SET" (ICC-ES ESR-1772) OR HILTI "HIT-HY 150" (ICC-ES ESR-2678
2.SIMPSON STRONG-TIE "ACRYLIC-TIE" (ICC-ES ESR-5791_ OR HILTI "HIT-HY 200 MAX" (ICC-ES ESR-1967)

6. QUALITY ASSURANCE TESTS AND INSPECTIONS ARE REQUIRED FOR THE FOLLOWING ITEMS:
A. CONCRETE:
(1) DURING THE TAKING ON TEST SPECIMENS.
(2) DURING THE PLACEMENT OF ALL REINFORCED CONCRETE.
B. BOLTS IN CONCRETE:
(1) DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
C. REINFORCING STEEL (PERIODIC):
(1) DURING THE PLACEMENT OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION NOTED ABOVE.
D. WELDING:
(1) VISUAL INSPECTION OF ALL FIELD WELDS.
(2) NON-DESTRUCTIVE TESTING OF ALL COMPLETE PENETRATION WELDS.
E. HIGH STRENGTH BOLTING:
(1) VERIFICATION OF SNUG TIGHT BOLT INSTALLATION FOR A325N BOLTS.
(2) VERIFICATION OF SLIP CRITICAL (SC) BOLTS AT ALL BRACED FRAMES.
F. EXPANSION AND EPOXY BOLTS:
(1) DURING THE PLACEMENT OF ALL EXPANSION AND EPOXY BOLTS, FOR VISUAL VERIFICATION OF HOLE DIAMETER AND DEPTH AND PLACEMENT OF BOLT AND/OR EPOXY.

G. STRUCTURAL MASONRY (PERIODIC):
(1) DURING PREPARATION OF PRISMS.
(2) DURING PLACEMENT OF REINFORCING AND GROUT.
(3) CLEANOUTS PRIOR TO CLOSING.

H. DUTIES AND RESPONSIBILITIES OF THE QUALITY ASSURANCE INSPECTOR:
(1) THE QUALITY ASSURANCE INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATION.
(2) THE QUALITY ASSURANCE INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE ENGINEER OF RECORD.
I. QUALITY ASSURANCE INSPECTOR IS TO BE HIRED BY OWNER, NOT CONTRACTOR.

GENERAL FOUNDATION NOTES

1. GENERAL:
A. A SUBSURFACE SOIL INVESTIGATION HAS BEEN MADE BY WESTERN TECHNOLOGIES. A REPORT OF THAT INVESTIGATION DATED MAY 18, 2020 IS AVAILABLE FOR VIEWING AT THE OFFICE OF THE ARCHITECT. SOILS INFORMATION PROVIDED ON THIS SHEET IS ONLY A SUMMARY OF THAT REPORT.
B. ADDITIONAL INFORMATION CONCERNING SPECIFIC SOIL CONDITIONS TO BE ENCOUNTERED IS AVAILABLE IN THE SOILS REPORT AND SHOULD BE REVIEWED.

2. FIELD OBSERVATION AND TESTS:
A. THE OWNER WILL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER TO OBSERVE ALL CONTROLLED EARTHWORK AND SHALL PROVIDE CONTINUOUS ON-SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK .
B. TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING RATES:
(1) ONE FIELD DENSITY TEST PER EACH 250 SQUARE YARDS OF COMPACTED SUBGRADE PRIOR TO PLACING STRUCTURAL FILL WITH A MINIMUM OF 3 TESTS.
(2) ONE FIELD DENSITY TEST PER EACH 150 CUBIC YARDS OF STRUCTURAL FILL PLACED OR EACH HORIZONTAL LAYER OF STRUCTURAL FILL, WHICHEVER IS GREATER.
(3) ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY SIEVE ANALYSIS AND PLASTICITY INDEX.
(4) FOUNDATION EXCAVATIONS SHALL BE OBSERVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING AND CONCRETE.
C. THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.

3. CLEARING AND GRUBBING:
A. REMOVE ALL BRUSH, RUBBISH, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AREA.
B REMOVE STUMPS, MATTED ROOTS AND ROOTS LARGER THAN 2 INCHES IN DIAMETER WITHIN 12 INCHES OF THE SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED
C REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL, BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.

4. SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:
A. A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL OR SOFT AREAS.
B. BUILDING PADS SHOULD BE OVEREXCAVATED TO ALLOW THE PLACEMENT OF A MINIMUM 30 INCHES OF NON-EXPANSIVE STRUCTURAL FILL BENEATH FOUNDATIONS. THE OVER-EXCAVATION SHALL NOT EXTEND LATERALLY BEYOND THE EDGE OF THE FOUNDATIONS.
C. ON-SITE SOILS ARE GENERALLY SUITABLE FOR USE AS STRUCTURAL FILL MATERIAL, SEE SOIL INVESTIGATION REPORT FOR RECOMMENDATIONS.
D. SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 8 INCHES, MOISTEN TO 0 TO 4% ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER PRIOR TO PLACEMENT OF STRUCTURAL FILL.
E. PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN EIGHT (8) INCHES IN THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (PLUS/MINUS 3%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.
5. STRUCTURAL FILL REQUIREMENTS:
A. GRADATION (ASTM C136):

SIEVE SIZE	PERCENT PASSING BY WEIGHT
3/4"	70-100
4"	85-100
6"	100
NO. 4	50-100
NO. 200	30 (MAX)

B. MAXIMUM EXPANSIVE POTENTIAL = 1.5%.
C. MATERIAL LARGER THAN 4 INCHES SHALL NOT BE PLACED IN THE STRUCTURAL FILL.
D. NO BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN A UNIFORMLY COMPACTED FILL.
E. PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN TEN (10) INCHES IN THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (PLUS/MINUS 3%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.
6. COMPACTION REQUIREMENTS:
A. STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE ASTM D1557 MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT (PLUS/MINUS 3%).

MATERIAL	MINIMUM PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUBBASE FOR SLAB SUPPORT	93 TO 97
SUBGRADE BELOW STRUCTURAL FILL	93 TO 97
MISCELLANEOUS BACKFILL	90

LIGHTGAGE SCHEDULE

DEPTH	GAGE	AREA IN	Ix IN4	Sx IN3	Fy KSI
C 4"	20	0.275	0.692	0.346	33
C 4"	18	0.357	0.892	0.446	33
C 6"	18	0.447	2.316	0.772	33
C 8"	18	0.537	4.634	1.159	33
T 4"	20	0.225	0.549	0.346	33
T 4"	18	0.315	0.811	0.390	33
T 6"	18	0.405	2.072	0.673	33
T 8"	18	0.496	4.144	1.015	33

"C" INDICATES STUD, 1 5/8" FLANGES
"T" INDICATES DEEP LEG TRACK, 1 1/2" FLANGES

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

GENERAL STRUCTURAL NOTES

S-001

Dzilth-Na-O-Dith-Hle - New School Building

10/8/2020 1:43:15 PM

School Information

SCHEDULE OF STRUCTURAL QUALITY ASSURANCE INSPECTIONS

1. QUALITY ASSURANCE INSPECTIONS / TESTING - "QUALITY ASSURANCE INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS REQUIRED BY SECTION 40 OF THE NFPA-5000.

2. REPORTING FOR QUALITY ASSURANCE INSPECTION - QUALITY ASSURANCE INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO: CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. QUALITY ASSURANCE INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.

3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL QUALITY ASSURANCE INSPECTION ITEMS.

IN ACCORDANCE WITH NFPA 5000 CHAPTER 40, THE FOLLOWING TYPES OF WORK REQUIRE QUALITY ASSURANCE INSPECTIONS AND TESTING:

QUALITY ASSURANCE INSPECTION AND VERIFICATION OF SOILS

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	NFPA-5000
Y	1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-----	X	40.3.5.2
Y	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-----	X	40.3.5.1
Y	3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	-----	X	40.3.5.2
Y	4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	-----	40.3.5.2
Y	5. PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-----	X	40.3.5.1

QUALITY ASSURANCE INSPECTION AND VERIFICATION OF CONCRETE CONSTRUCTION

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: NFPA-5000	REFERENCE FOR CRITERIA: REFERENCED STANDARD
Y	1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	-----	X	40.3.7	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3
N N N	2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706, b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM $\frac{5}{16}$", AND c. INSPECT ALL OTHER WELDS.	----- X	X X	40.3.7	AWS D1.4 ACI 318: 26.6.4
Y	3. INSPECT ANCHORS CAST IN CONCRETE.	-----	X	40.3.7	ACI 318: 17.8.2
Y	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X	X	-----	ACI 318: 17.8.2.4 ACI 318: 17.8.2
Y	5. VERIFYING USE OF REQUIRED DESIGN MIX.	-----	X	40.3.7	ACI 318: CH. 19, 26.4.3, 26.4.4
Y	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TEST, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-----	40.3.7	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12
Y	7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-----	40.3.7	ACI 318: 26.5
Y	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-----	X	40.3.7	ACI 318: 26.5.3 -26.5.5
N	9. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-----	X	-----	ACI 318: 26.8
N	10. VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-----	X	40.3.7	ACI 318: 26.11.2
Y	11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-----	X	40.3.7	ACI 318: 26.11.1.2(b)

QUALITY ASSURANCE INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: NFPA-5000 SECTION 40.3.10	REFERENCE FOR CRITERIA: REFERENCED STANDARD
	1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
Y	a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-----	X	-----	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360 SECTION A3.3
Y	b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-----	X	-----	-----
	2. INSPECTION OF HIGH-STRENGTH BOLTING:				
Y	a. SNUG-TIGHT JOINTS	-----	X	-----	AISC 360, SECTION M2.5
Y	b. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	-----	X		
Y	c. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION	X	-----		
	3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
Y	a. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	-----	X		AISC 360 SECTION M5.5
Y	b. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-----	X		APPLICABLE ASTM MATERIAL STANDARDS
Y	c. MANUFACTURERS CERTIFIED TEST REPORTS	-----	X		
	4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
Y	a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-----	-----	-----	AISC 360, SECTION A3.5
Y	b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-----	-----	-----	-----
	5. INSPECTION OF WELDING: a. STRUCTURAL STEEL :				
Y	1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	-----	-----	AWS D1.1
N	2) MULTIPASS FILLET WELDS.	X	-----		
N	3) SINGLE-PASS FILLET WELDS > 5/16"	X	-----		
Y	4) PLUG & SLOT WELDS	X	-----		
Y	5) SINGLE-PASS FILLET WELDS < 5/16"	-----	X		
N	6) ROOF DECK WELDS.	-----	X	-----	AWS D1.3
N	b. REINFORCING STEEL:	-----	-----	-----	AWS D1.4 ACI 318 3.5.2
N	1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	-----	X		
N	2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	X	-----		
Y	3) SHEAR REINFORCEMENT.	X	-----		
Y	4) OTHER REINFORCING STEEL.	-----	X		
	6. INSPECTION OF STEEL FRAME JOINT DETAIL FOR COMPLI-ANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
N	a. DETAILS SUCH AS BRACING AND STIFFENING.	-----	X	-----	-----
Y	b. MEMBER LOCATIONS.	-----	X		
Y	c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	-----	X		

QUALITY ASSURANCE INSPECTION AND VERIFICATION OF STEEL DECK CONSTRUCTION

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: NFPA-5000 SECTION 40.3.10
Y	VERIFY DECK MATERIALS AND MILL CERTIFICATIONS	-----	X	SDI-QA/QC
Y	VERIFY FIELD WELDING OF DECK	-----	X	AWS D1.3, SDI C, SDI NC, SDI RD
Y	VERIFY MECHANICAL FASTENERS	-----		SDI C, SDI NC, SDI RD
Y	VERIFY STEEL DECK INSTALLATION IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS			SDI C, SDI NC, SDI RD

REQUIRED QUALITY ASSURANCE INSPECTION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: NFPA-5000 TABLE
	1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.			
Y	a. END CONNECTIONS - WELDED OR BOLTED.	-----	X	40.3.10
	b. BRIDGING - HORIZONTAL OR DIAGONAL.	-----		40.3.10
Y	1. VISUALLY INSPECT ALL FIELD WELDS OF A MINIMUM OF 5 PERCENT OF THE JOISTS, RANDOMLY SELECTED.	-----	X	40.3.10

QUALITY ASSURANCE INSPECTION OF SEISMIC FORCE RESISTING SYSTEMS (REQUIRED WHEN SDC = C, D, E OR F) AND DESIGNATED SEISMIC SYSTEMS (REQUIRED WHEN SDC=D,E OR F)

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: NFPA-5000 SECTION
	1. STRUCTURAL STEEL:			
Y	a. STRUCTURAL WELDING REQUIRED BY AISC 341	X	-----	44.2.2
	2. STRUCTURAL WOOD:			
Y	a. FIELD GLUING OPERATIONS OF ELEMENTS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X	-----	40.3.11
Y	b. NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD DOWNS.	-----	X	40.3.11
	3. COLD - FORMED STEEL FRAMING:			
Y	a. WELDING OF ELEMENTS IN SEISMIC-FORCE RESISTANCE	-----	X	44.8.1
Y	b. SCREW ATTACHMENTS, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM.	-----	X	44.8.1
Y	4. ANCHORAGE.	-----	X	41.4

QUALITY ASSURANCE INSPECTION AND VERIFICATION OF COLD FORMED METAL FRAMING

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: AISI 240 SECTION
Y	1. SEATING OF STUDS IN TRACK.	-----	X	-----
Y	2. WELDING OF ELEMENTS.	-----	X	D6.6
Y	3. SCREW ATTACHMENTS, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS.	-----	X	D6.7
Y	4. STEEL STUD BRIDGING SPACING AND END ATTACHMENT.	-----	X	D6.5
Y	5. WELDED CONNECTIONS ARE TOUCHED UP WITH PAINT.	-----	X	D6.6
Y	6. VERIFY STRUCTURAL STUD SIZE, DEPTH, AND GAGE.	-----	X	D6.5

QUALITY ASSURANCE INSPECTION AND VERIFICATION OF MASONRY - LEVEL #1

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: NFPA-5000 SECTION 40.3.9	REFERENCE FOR CRITERIA: ACI 530/ASCE 5/TMS 402	REFERENCE FOR CRITERIA: ACI 530.1/ASCE 6/TMS 602
Y	1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED	-----	X	-----	-----	ART. 1.5
Y	2. VERIFICATION OF F'm AND F'AAC PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE	-----	X	-----	-----	ART. 1.4B
Y	3. VERIFICATION OF SLUMP FLOW AND VSI AS DELOVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT	X	-----	-----	-----	ART. 1.5B.1.b3
Y	4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
Y	a. PROPORTIONS OF SITE - PREPARED MORTAR.	-----	X	-----	-----	ART. 2.6A
Y	b. CONSTRUCTION OF MORTAR JOINTS.	-----	X	-----	-----	ART. 3.3B
Y	c. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	-----	X	-----	-----	ART. 3.4, 3.6A
Y	d. PRESTRESSING TECHNIQUE	-----	X	-----	-----	ART. 3.6B
Y	e. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	-----	X	-----	-----	ART. 2.4B, 2.4H
	5. THE INSPECTION PROGRAM SHALL VERIFY:					
Y	a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-----	X	-----	-----	ART. 3.F
Y	b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	-----	X	-----	SEC. 1.2.2(e), 1.16.1	-----
Y	c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES	-----	X	-----	SEC. 1.15	ART. 2.4, 3.4
Y	d. WELDING OF REINFORCING BARS.	X	-----	-----	SEC. 2.1.9.7.2, 3.3.3.4(b)	-----
Y	e. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	-----	X	-----	-----	ART. 1.8C, 1.8D
Y	f. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCES.	X	-----	-----	-----	ART. 3.6B
	6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
Y	a. GROUT SPACE IS CLEAN.	-----	X	-----	-----	ART. 3.2D
Y	b. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.	-----	X	-----	SEC. 1.13	ART. 3.4
Y	c. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	-----	X	-----	-----	ART. 2.6B
Y	d. CONSTRUCTION OF MORTAR JOINTS.	-----	X	-----	-----	ART. 3.3B
Y	7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	X	-----	-----	-----	ART. 3.5
Y	a. GROUTING OF PRESTRESSING BONDED TENDONS	X	-----	-----	-----	ART. 3.6C
Y	8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	-----	X	-----	-----	ART. 1.4

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION
5		

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

STRUCTURAL QUALITY ASSURANCE INSPECTIONS

S-002

School Information

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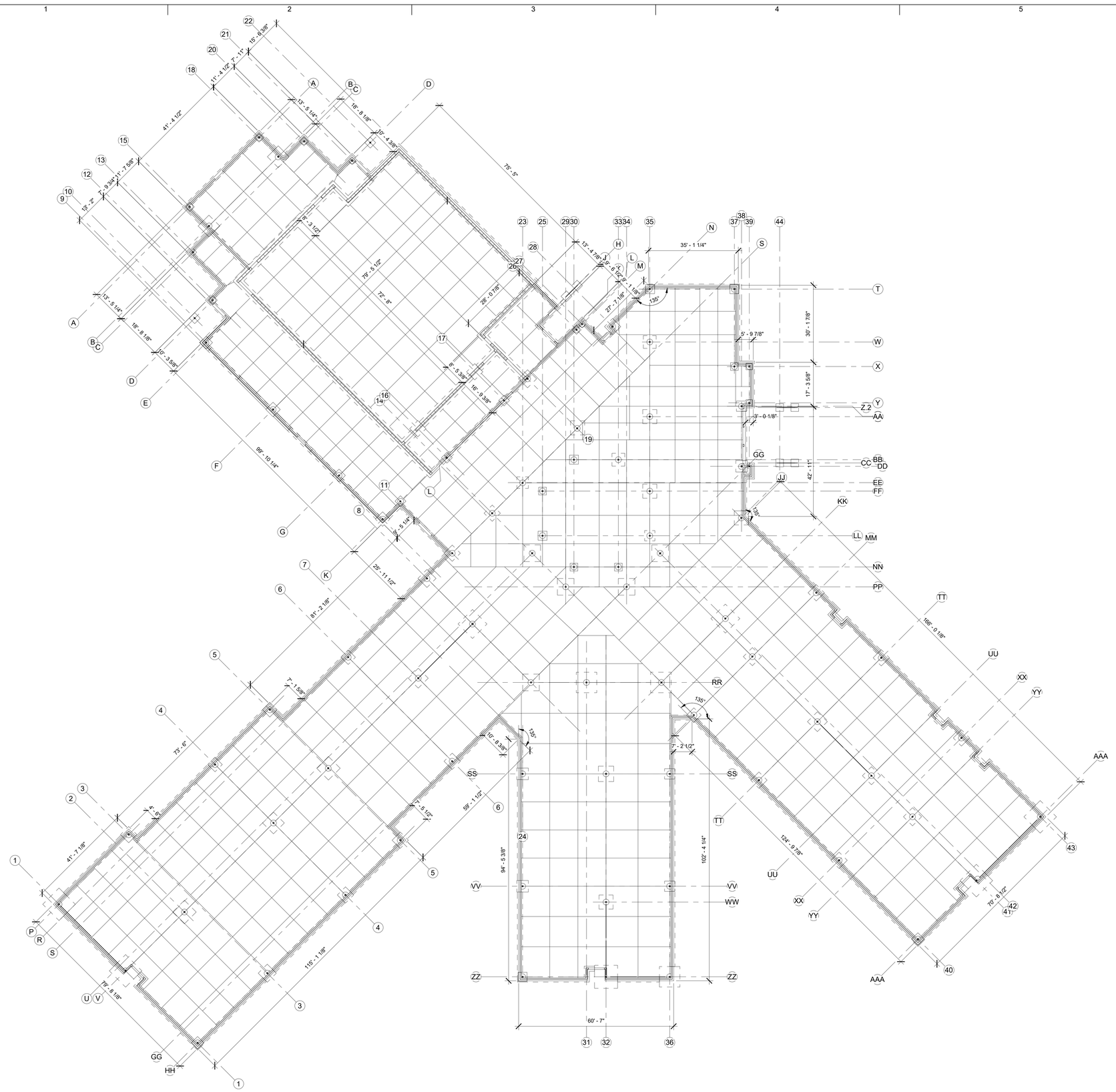
Dzilth-Na-O-Dith-Hle - New School Building

Dzilth-Na-O-Dith-Hle - New School Building



A1 OVERALL FOUNDATION PLAN
1/16" = 1'-0"

GENERAL NOTES

A. ALL PERIMETER DIMENSIONS ARE TO FACE OF CONCRETE STEM WALL UNLESS NOTED OTHERWISE.

B. REFER TO SHEETS S-101-A, S-101B, S-101C and S-101D FOR ENLARGED FOUNDATION PLANS.

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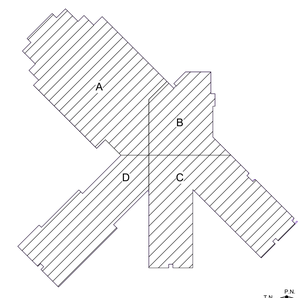
SHEET TITLE

OVERALL FOUNDATION PLAN

S-101



KEY PLAN

N.T.S.

T.N. P.N.

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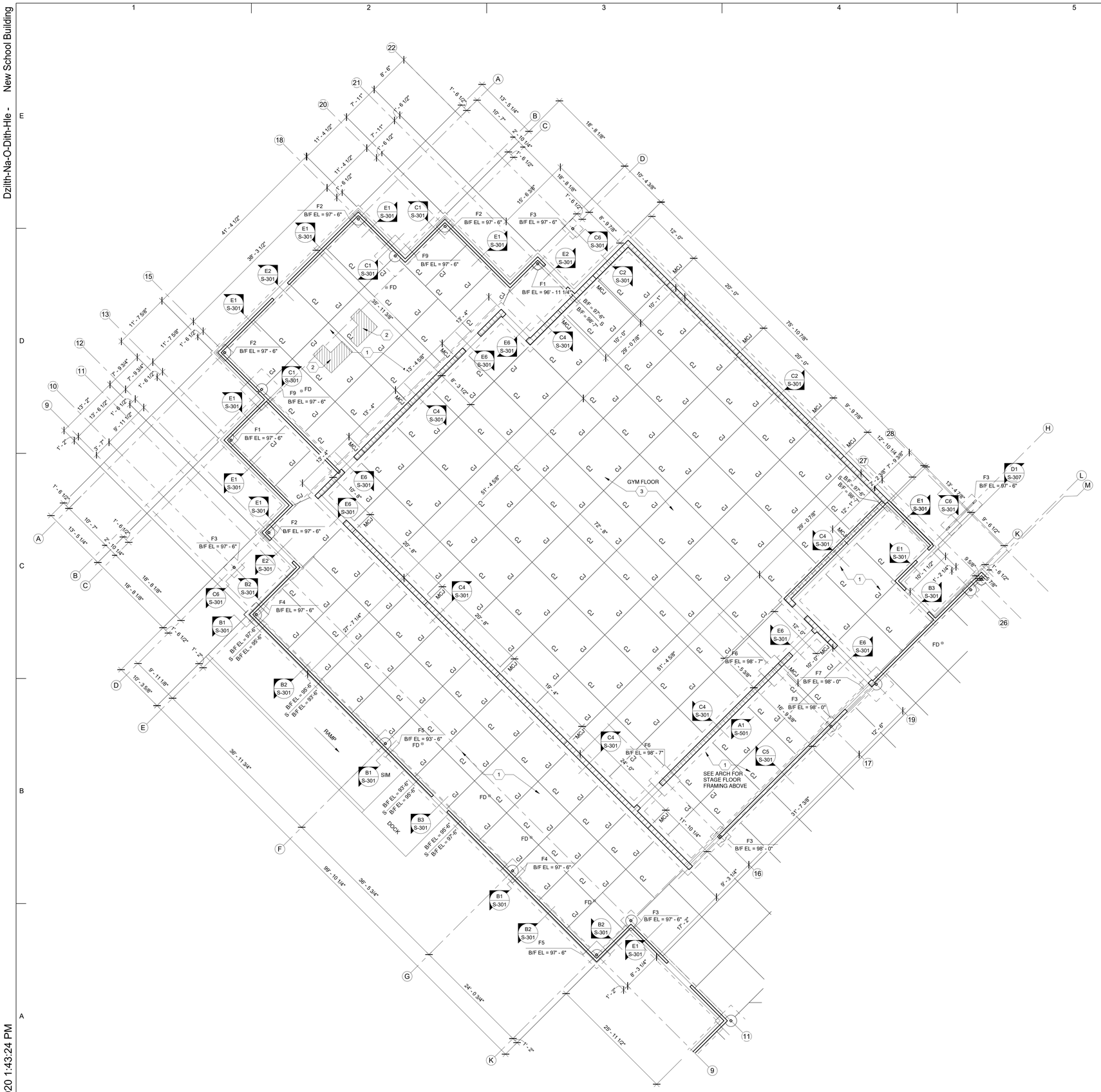
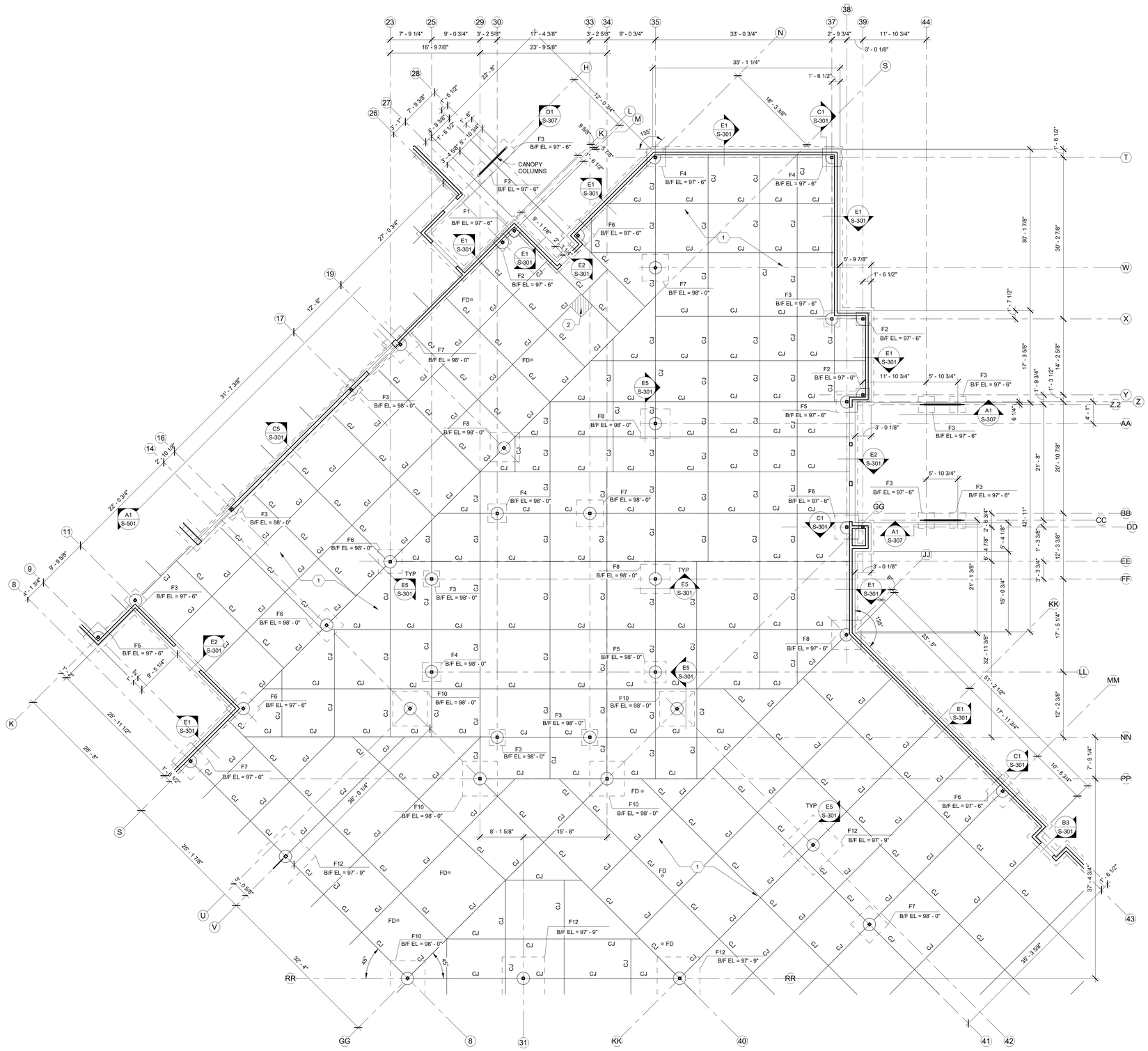
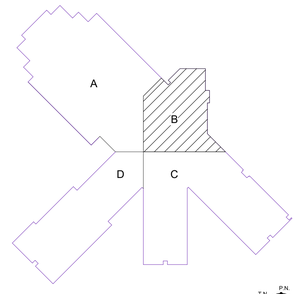
School Information


GYM FLOOR
3
RAMP
DOCK
SEE ARCH FOR STAGE FLOOR FRAMING ABOVE
SIM
F1 B/F EL = 97' - 6"
F2 B/F EL = 97' - 6"
F3 B/F EL = 97' - 6"
F4 B/F EL = 97' - 6"
F5 B/F EL = 93' - 6"
F6 B/F EL = 98' - 7"
F7 B/F EL = 98' - 0"
F9 B/F EL = 97' - 6"
F1 B/F EL = 96' - 11 1/4"
B/F = 97'-6"
B/F = 96'-7 5/8"
B/F = 98'-0"
B/F = 98'-10 5/8"
B/F = 98'-10 1/4"
B/F = 97'-6"
S. B/F = 95'-6"
B/F = 95'-6"
S. B/F = 93'-6"
B/F = 93'-6"
S. B/F = 95'-6"
B/F = 95'-6"
S. B/F = 97'-6"
FD
41' - 4 1/2"
36' - 3 1/2"
36' - 11 3/8"
15' - 4"
35' - 11 3/8"
13' - 4 5/8"
6' - 3 1/2"
51' - 4 5/8"
72' - 8"
20' - 8"
27' - 7 1/4"
19' - 4"
24' - 0"
11' - 10 1/4"
9' - 3 1/4"
17' - 2"
98' - 10 1/4"
36' - 5 3/4"
24' - 0 3/4"
25' - 11 1/2"
75' - 10 7/8"
20' - 0"
10' - 1"
29' - 0 7/8"
9' - 9 7/8"
12' - 10 1/4"
7' - 3 3/8"
9' - 6 1/2"
9' - 5 5/8"
12' - 1"
10' - 1 1/2"
1' - 2 1/4"
12' - 0"
31' - 7 3/8"
16' - 3 3/8"
5' - 3 3/8"
51' - 4 5/8"
10' - 0"
11' - 7 5/8"
7' - 9 3/4"
15' - 2"
15' - 6 1/2"
9' - 11 1/2"
5' - 7"
1' - 2"
13' - 5 1/4"
10' - 7"
2' - 10 1/4"
16' - 8 1/8"
7' - 0"
9' - 11 3/8"
10' - 3 3/8"
5' - 11 1/8"
1' - 6 1/2"
11' - 4 1/2"
7' - 11"
8' - 6"
10' - 4 3/8"
8' - 9 7/8"
16' - 8 1/16"
15' - 8 3/8"
1' - 6 1/16"
2' - 10 1/4"
10' - 7"
13' - 5 1/4"
1' - 6 1/2"
7' - 0"
11' - 7 5/8"
7' - 9 3/4"
9' - 11 1/2"
15' - 2"
15' - 6 1/2"
1' - 2"
5' - 7"
1' - 6 1/2"
11' - 4 1/2"
7' - 11"
8' - 6"
10' - 4 3/8"
8' - 9 7/8"
16' - 8 1/16"
15' - 8 3/8"
1' - 6 1/16"
2' - 10 1/4"
10' - 7"
13' - 5 1/4"
1' - 6 1/2"
7' - 0"
10' - 3 3/8"
5' - 11 1/8"
1' - 2



A1 ENLARGED FOUNDATION PLAN 'B'
1/8" = 1'-0"

KEY PLAN



N.T.S.

GENERAL NOTES

A. ALL PERIMETER DIMENSIONS ARE TO FACE OF CONCRETE STEMWALL UNLESS NOTED OTHERWISE.

B. CJ INDICATES CONCRETE SLAB CONTROL JOINT, SEE DETAIL E4/S-301.

C. B/F EL = ###'-#" INDICATES BOTTOM OF FOOTING ELEVATION.

D. FD ⊗ INDICATES FLOOR DRAIN, SEE ARCHITECTURAL AND PLUMBING FOR LOCATION. SLOPE TOP OF SLAB TO DRAIN.

KEYED NOTES

1 5" THICK CONCRETE SLAB W/ #4 AT 18" OC (CENTERED IN SLAB) OVER 4" AGGREGATE BASE COURSE OVER VAPOR BARRIER PER ARCH OVER COMPACTED SUBGRADE. FINISH FLOOR EL = 100'-0" U.N.O. - MSLE - SEE CIVIL.

2 RECESS TOP OF SLAB 2", SEE ARCHITECTURAL FOR EXTENTS. MAINTAIN MINIMUM 5" THICK SLAB PER D6/S-501.

ISOLATED FOOTING SCHEDULE

Mark	Length	Width	DEPTH	REINFORCING
F1	2' - 0"	2' - 0"	1' - 0"	(3) #4 EACH WAY
F2	2' - 6"	2' - 6"	1' - 0"	(4) #4 EACH WAY
F3	3' - 0"	3' - 0"	1' - 0"	(4) #4 EACH WAY
F4	3' - 6"	3' - 6"	1' - 0"	(5) #4 EACH WAY
F5	4' - 0"	4' - 0"	1' - 0"	(6) #4 EACH WAY
F6	4' - 6"	4' - 6"	1' - 0"	(6) #4 EACH WAY
F7	5' - 0"	5' - 0"	1' - 0"	(7) #4 EACH WAY
F8	5' - 6"	5' - 6"	1' - 0"	(8) #4 EACH WAY
F9	6' - 0"	6' - 0"	1' - 0"	(8) #4 EACH WAY
F10	6' - 6"	6' - 6"	1' - 0"	(6) #5 EACH WAY
F11	7' - 0"	7' - 0"	1' - 1"	(7) #5 EACH WAY
F12	8' - 0"	8' - 0"	1' - 3"	(9) #5 EACH WAY
F13	9' - 0"	9' - 0"	2' - 2"	(9) #5 EACH WAY TOP & BOTTOM

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building
PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

ENLARGED FOUNDATION PLAN 'B'

S-101B

School Information

10/8/2020 1:43:28 PM

KEYED NOTES

1 5" THICK CONCRETE SLAB W/ #4 AT 18" OC (CENTERED IN SLAB) OVER 4" AGGREGATE BASE COURSE OVER VAPOR BARRIER PER ARCH OVER COMPACTED SUBGRADE. FINISH FLOOR EL = 100'-0" - MSLE - SEE CIVIL.

2 RECESS TOP OF SLAB 2", SEE ARCHITECTURAL FOR EXTENTS. MAINTAIN 5" TOTAL SLAB THICKNESS PER D6/S-501.

GENERAL NOTES

A. ALL PERIMETER DIMENSIONS ARE TO FACE OF CONCRETE STEMWALL UNLESS NOTED OTHERWISE.

B. CJ INDICATES CONCRETE SLAB CONTROL JOINT, SEE DETAIL E4/S-301.

C. B/F EL = ###'-#" INDICATES BOTTOM OF FOOTING ELEVATION.

D. FD ⊗ INDICATES FLOOR DRAIN, SEE ARCHITECTURAL AND PLUMBING FOR LOCATION. SLOPE TOP OF SLAB TO DRAIN.

ISOLATED FOOTING SCHEDULE

Mark	Length	Width	DEPTH	REINFORCING
F1	2' - 0"	2' - 0"	1' - 0"	(3) #4 EACH WAY
F2	2' - 6"	2' - 6"	1' - 0"	(4) #4 EACH WAY
F3	3' - 0"	3' - 0"	1' - 0"	(4) #4 EACH WAY
F4	3' - 6"	3' - 6"	1' - 0"	(5) #4 EACH WAY
F5	4' - 0"	4' - 0"	1' - 0"	(6) #4 EACH WAY
F6	4' - 6"	4' - 6"	1' - 0"	(6) #4 EACH WAY
F7	5' - 0"	5' - 0"	1' - 0"	(7) #4 EACH WAY
F8	5' - 6"	5' - 6"	1' - 0"	(8) #4 EACH WAY
F9	6' - 0"	6' - 0"	1' - 0"	(8) #4 EACH WAY
F10	6' - 6"	6' - 6"	1' - 0"	(6) #5 EACH WAY
F11	7' - 0"	7' - 0"	1' - 1"	(7) #5 EACH WAY
F12	8' - 0"	8' - 0"	1' - 3"	(9) #5 EACH WAY
F13	9' - 0"	9' - 0"	2' - 2"	(9) #5 EACH WAY TOP & BOTTOM

A1 ENLARGED FOUNDATION PLAN 'C'
1/8" = 1'-0"

KEY PLAN N.T.S.

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SHEET TITLE

ENLARGED FOUNDATION PLAN 'C'

S-101C

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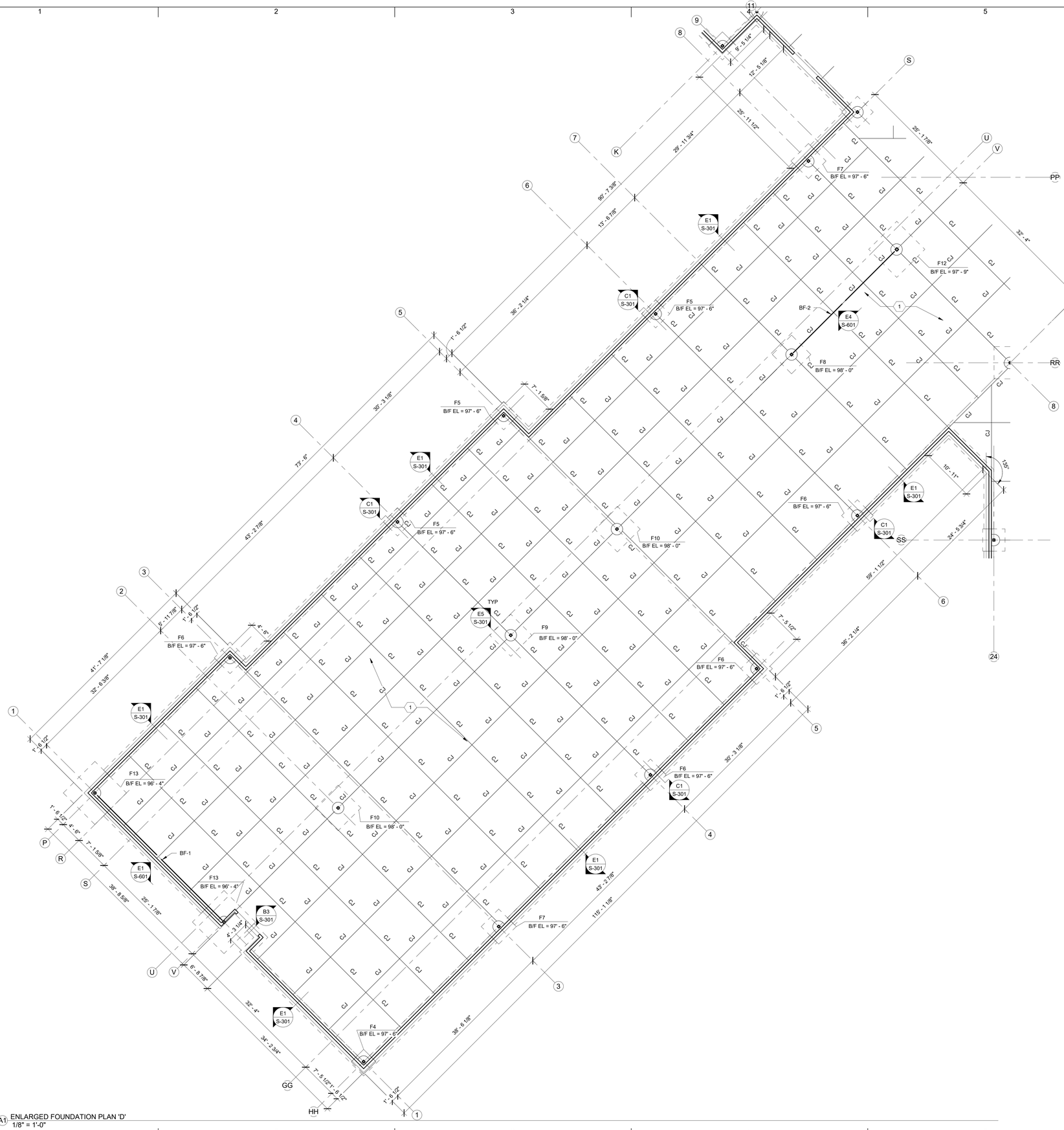
School Information



A1 ENLARGED FOUNDATION PLAN 'D'
1/8" = 1'-0"

GENERAL NOTES

A. ALL PERIMETER DIMENSIONS ARE TO FACE OF CONCRETE STEMWALL UNLESS NOTED OTHERWISE.

B. CJ INDICATES CONCRETE SLAB CONTROL JOINT, SEE DETAIL E4/S-301.

C. B/F EL = ##'-#" INDICATES BOTTOM OF FOOTING ELEVATION.

D. FD ⊗ INDICATES FLOOR DRAIN, SEE ARCHITECTURAL AND PLUMBING FOR LOCATION. SLOPE TOP OF SLAB TO DRAIN.

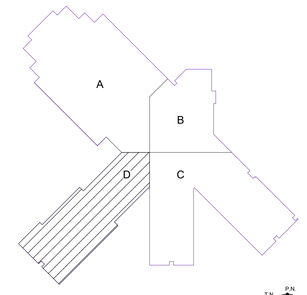
KEYED NOTES

1 5" THICK CONCRETE SLAB W/ #4 AT 18" OC (CENTERED IN SLAB) OVER 4" AGGREGATE BASE COURSE OVER VAPOR BARRIER PER ARCH OVER COMPACTED SUBGRADE. FINISH FLOOR EL = 100'-0" - MSLE - SEE CIVIL.

2 RECESS TOP OF SLAB 2", SEE ARCHITECTURAL FOR EXTENTS. MAINTAIN 5" TOTAL SLAB THICKNESS PER D6/S-501.

ISOLATED FOOTING SCHEDULE

Mark	Length	Width	DEPTH	REINFORCING
F1	2' - 0"	2' - 0"	1' - 0"	(3) #4 EACH WAY
F2	2' - 6"	2' - 6"	1' - 0"	(4) #4 EACH WAY
F3	3' - 0"	3' - 0"	1' - 0"	(4) #4 EACH WAY
F4	3' - 6"	3' - 6"	1' - 0"	(5) #4 EACH WAY
F5	4' - 0"	4' - 0"	1' - 0"	(6) #4 EACH WAY
F6	4' - 6"	4' - 6"	1' - 0"	(6) #4 EACH WAY
F7	5' - 0"	5' - 0"	1' - 0"	(7) #4 EACH WAY
F8	5' - 6"	5' - 6"	1' - 0"	(8) #4 EACH WAY
F9	6' - 0"	6' - 0"	1' - 0"	(8) #4 EACH WAY
F10	6' - 6"	6' - 6"	1' - 0"	(6) #5 EACH WAY
F11	7' - 0"	7' - 0"	1' - 1"	(7) #5 EACH WAY
F12	8' - 0"	8' - 0"	1' - 3"	(9) #5 EACH WAY
F13	9' - 0"	9' - 0"	2' - 2"	(9) #5 EACH WAY TOP & BOTTOM



KEY PLAN N.T.S.

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ENLARGED FOUNDATION PLAN 'D'

S-101D

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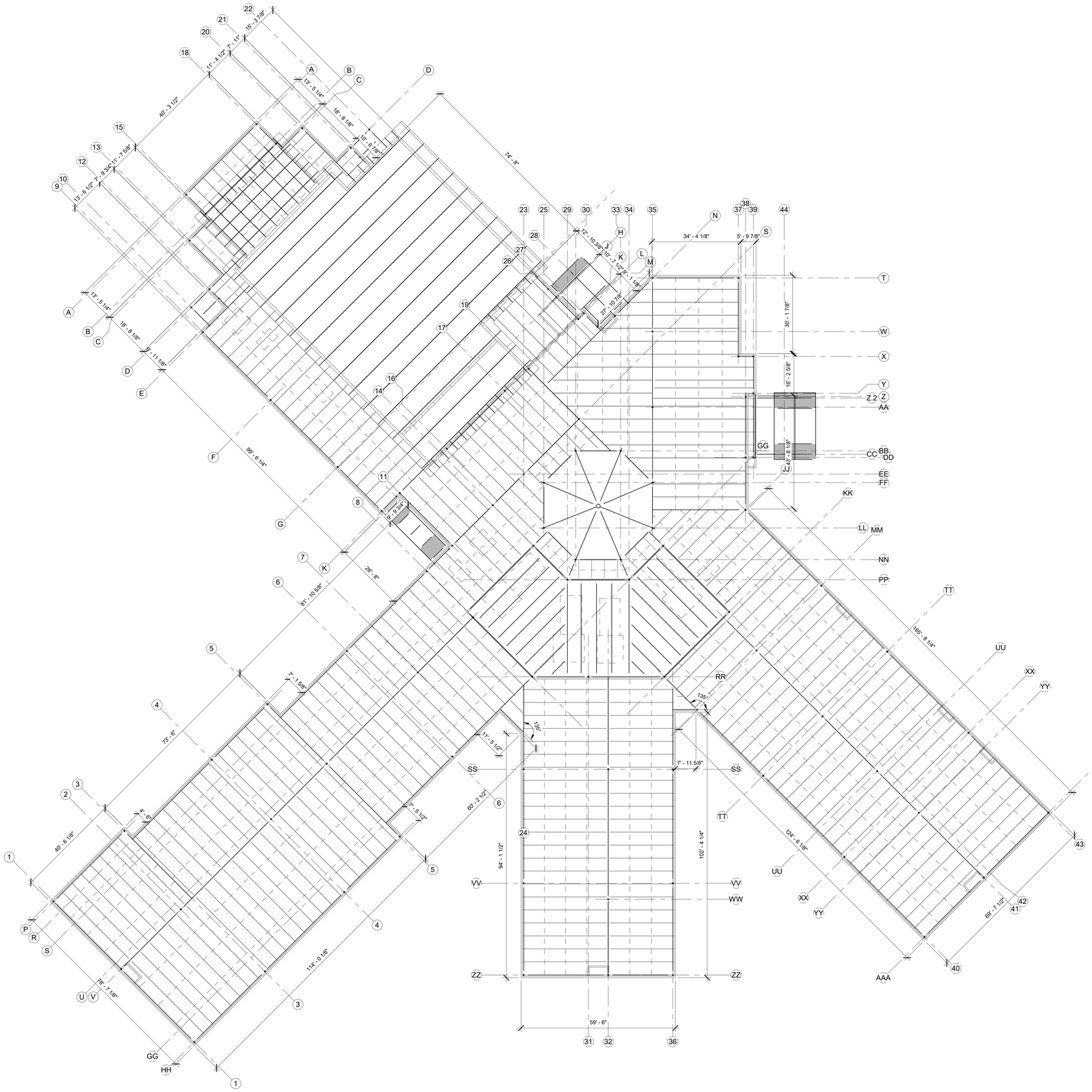
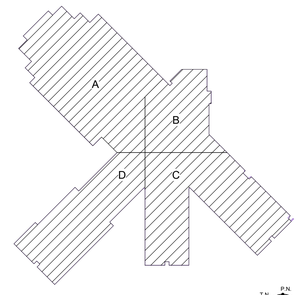
School Information



1 OVERALL ROOF FRAMING PLAN
1/16" = 1'-0"



KEY PLAN N.T.S.

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building
PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

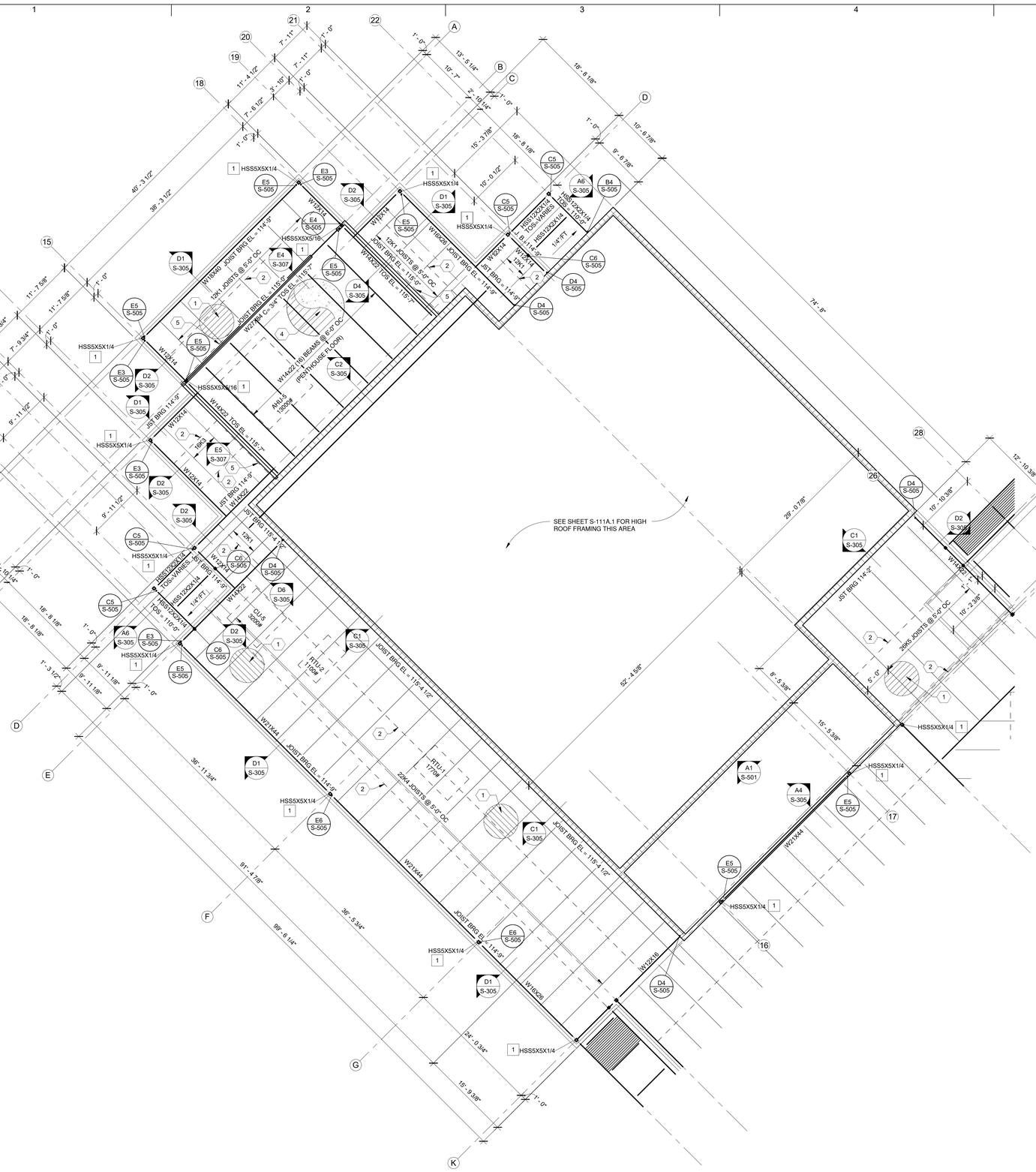
ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE
OVERALL ROOF FRAMING PLAN

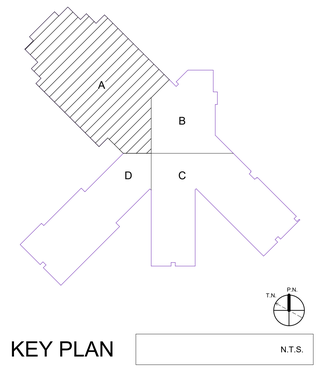
S-111

10/8/2020 1:43:37 PM

School Information



A1 ENLARGED ROOF FRAMING PLAN 'A'
1/8" = 1'-0"



KEY PLAN N.T.S.

GENERAL NOTES

A. PROVIDE JOIST BRIDGING PER LATEST SJI REQUIREMENTS.

B. DESIGN JOISTS FOR 10 PSF NET UPLIFT TYPICAL UNLESS NOTED OTHERWISE.

C. FRAME AROUND ROOF DECK OPENINGS PER DETAIL B3/S-505 UNO.

D. SEE C1/S-505 FOR LIGHTGAGE STEEL LINTEL SCHEDULE AND DETAILS AT ALL EXTERIOR OPENINGS AND INTERIOR BEARING WALLS.

E. DIMENSIONS ARE TO EXTERIOR FACE OF STUD WALL.

F. # INDICATES BASE PLATE TYPE PER D1/S-501.

G. (XX) INDICATES NUMBER OF 3/4" DIA x 4" LONG H.A.S. EQUALLY SPACED ON BEAM UNLESS NOTED OTHERWISE.

H. SEE SHEET S-111A.1 FOR HIGH ROOF FRAMING OVER GYM AND PENTHOUSE ROOF FRAMING AREA A.

I. FRAME AROUND FLOOR DECK OPENINGS PER DETAIL B1/S-505 UNO.

J. SEE C1/S-501 FOR CMU LINTEL SCHEDULE AND DETAILS.

KEYED NOTES

1 1 1/2" TYPE "B", 20 GA PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH (5) 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELDS @ 12" OC ATTACH SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

2 L1x1x7/64 HORIZONTAL BRIDGING EQUALLY SPACED AS SHOWN WELD TO TOP AND BOTTOM CHORDS OF JOISTS.

3 3" TYPE "N", 20 GA PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH (5) 5/8" DIA PUDDLE WELDS PER 24" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELDS @ 12" OC ATTACH SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

4 3" CONCRETE SLAB W/ 6x6-W2.1xW2.1 WWF OVER 2" TYPE 'VL' 20 GA GALVANIZED COMPOSITE DECK (5" TOTAL THICKNESS) - 2 SPAN MIN ATTACH DECK W/ (4) 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET TO EACH SUPPORT AND TO SUPPORTS PARALLEL TO RIBS W/ #10 TEK SCREWS @ 12" OC. FINISH FLOOR ELEVATION 116'-0" UNLESS NOTED OTHERWISE. MSLE = SEE CIVIL. SAWCUT 1/8" WIDE x 1" DEEP JOINTS AT 12'-0" OC MAX EACH WAY.

5 BRACED WALL LOCATION WITH 4"x14 GA X-STRAP EXTERIOR FACE OF WALL, SEE PENTHOUSE ROOF FRAMING PLAN FOR EXTENT OF BRACING. SEE A1/S-505 FOR DETAILS.

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ENGINEER

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OCTOBER 8, 2020

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DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

ENLARGED ROOF FRAMING PLAN 'A'

S-111A

Dzilth-Na-O-Dith-Hle - New School Building

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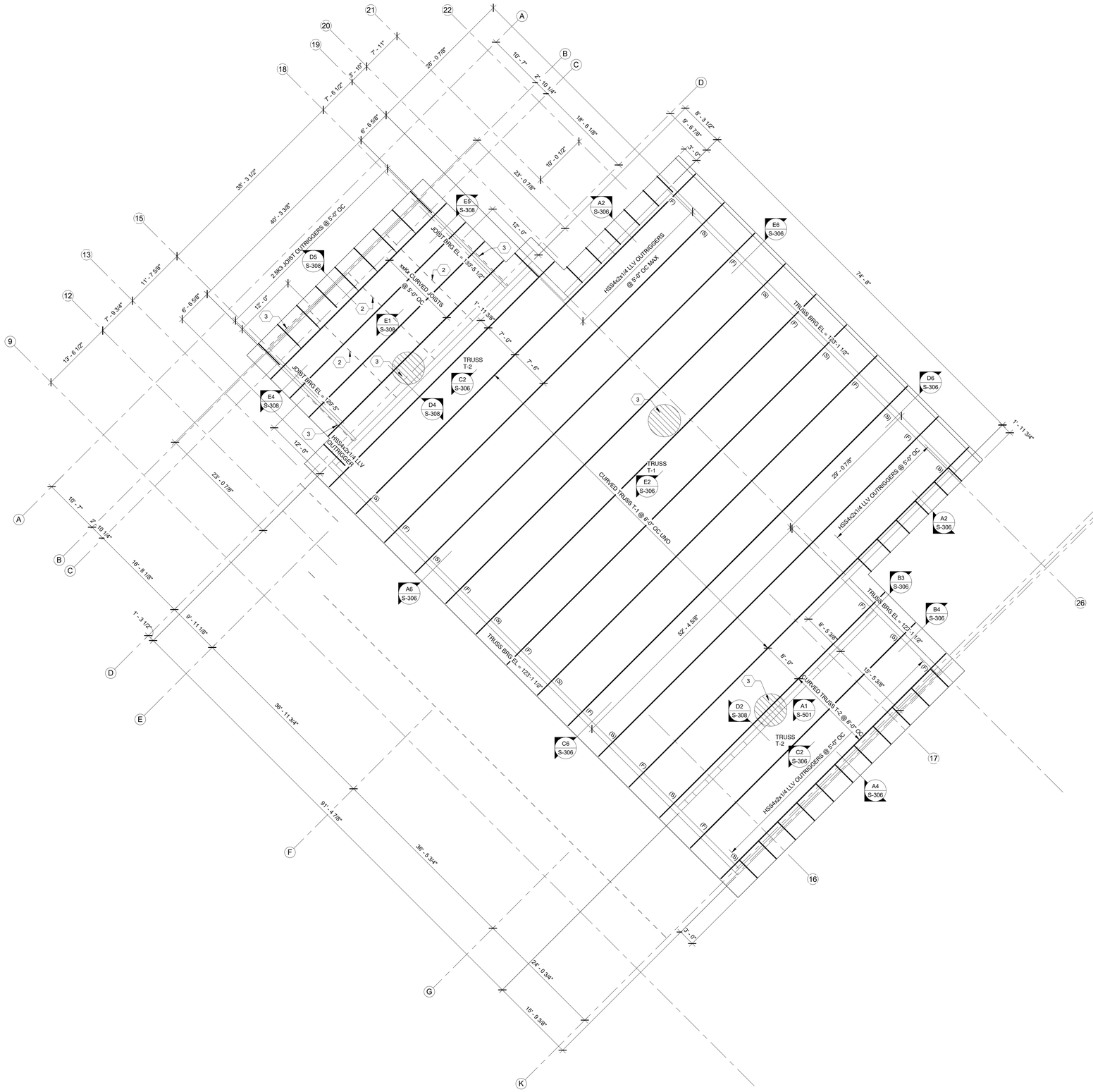
School Information



GENERAL NOTES

A. PROVIDE JOIST BRIDGING PER LATEST SJI REQUIREMENTS.

B. DESIGN JOISTS FOR 10 PSF NET UPLIFT TYPICAL UNLESS NOTED OTHERWISE.

C. FRAME AROUND ROOF DECK OPENINGS PER DETAIL B3/S-505 UNO.

D. SEE C1/S-505 FOR LIGHTGAGE STEEL LINTEL SCHEDULE AND DETAILS AT ALL EXTERIOR OPENINGS AND INTERIOR BEARING WALLS.

E. DIMENSIONS ARE TO EXTERIOR FACE OF WALL, UNLESS NOTED OTHERWISE.

F. # INDICATES BASE PLATE TYPE PER D1/S-501.

G. SEE C1/S-501 FOR CMU LINTEL SCHEDULE AND DETAILS.

H. (F) INDICATES FIXED TRUSS BEARING END, PER E6/S-306 AND C6/S-306.

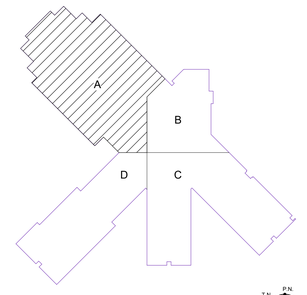
I. (S) INDICATES SLIP TRUSS BEARING END, PER D6/S-306 AND A6/S-306.

KEYED NOTES

1 3" TYPE "N", 20 GA PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH (5) 5/8" DIA PUDDLE WELDS PER 24" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELDS @ 12" OC ATTACH SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

2 L1x1x7/64 HORIZONTAL BRIDGING EQUALLY SPACED AS SHOWN WELD TO TOP AND BOTTOM CHORDS OF JOISTS.

3 BRACED WALL LOCATION WITH 4"x14 GA X-STRAP ON EXTERIOR FACE OF WALL. SEE A1/S-505 FOR DETAILS.



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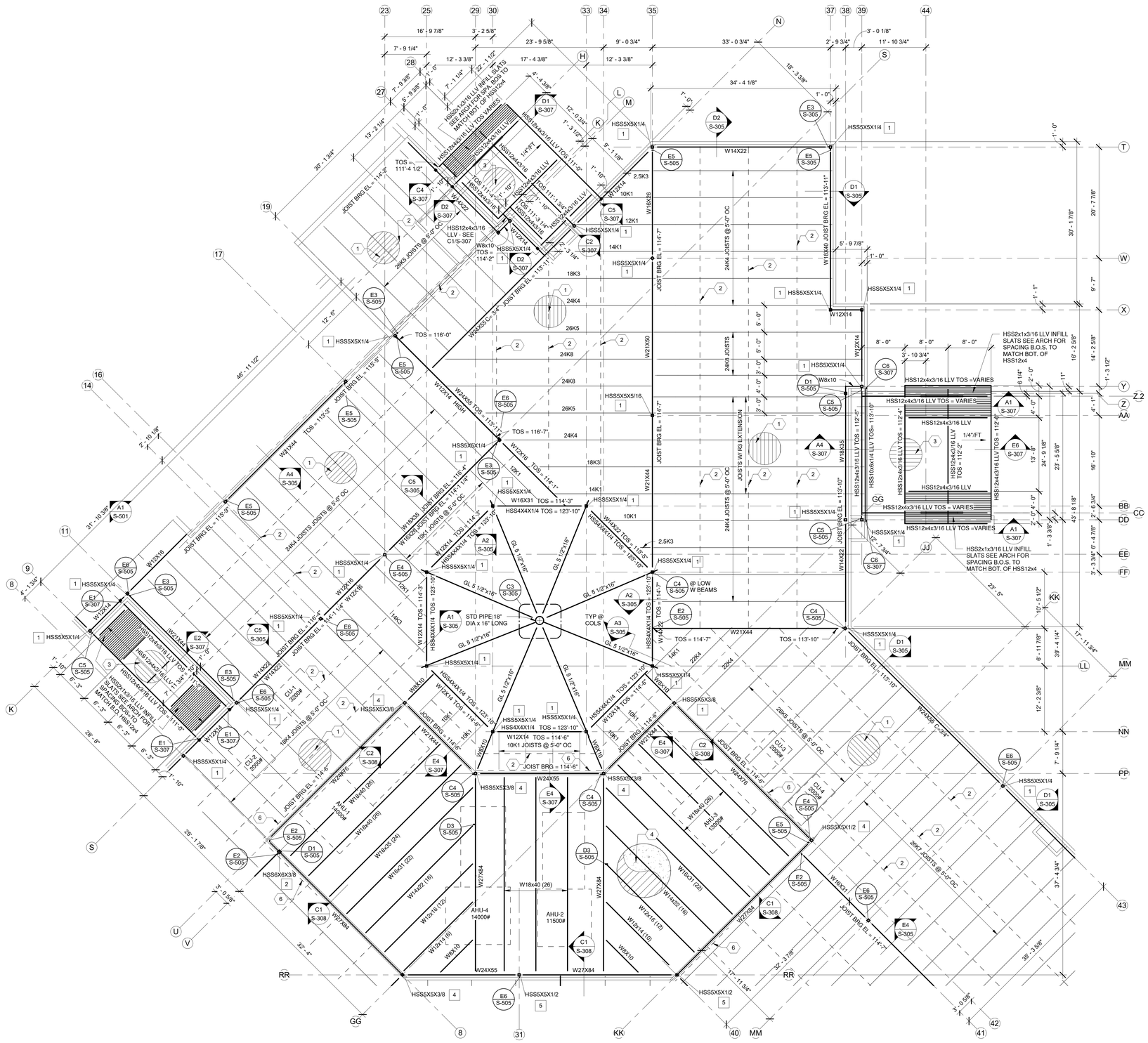
SHEET TITLE

ENLARGED HIGH ROOF FRAMING PLAN 'A'

S-111A.1

Dzilth-Na-O-Dith-Hle - New School Building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W16X40 CJ= 5-1/4" JOIST BRG EL = 114'-7"
W12X14 HIGH
W24X55 TOS = 113'-11"
W21X44 TOS = 113'-7"
W12X16 TOS = 114'-1"
W16X31 TOS = 114'-3"
HSS4X4X1/4 TOS = 123'-10"
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W12X14 TOS = 193'-3"
W12X14 TOS = 193'-4"
W12X14 TOS = 193'-5"
W12X14 TOS = 193'-6"
W12X14 TOS = 193'-7"
W12X14 TOS = 193'-8"
W12X14 TOS = 193'-9"
W12X14 TOS = 193'-10"
W12X14 TOS = 193'-11"
W12X14 TOS = 194'-0"
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W12X14 TOS = 194'-2"
W12X14 TOS = 194'-3"
W12X14 TOS = 194'-4"
W12X14 TOS = 194'-5"
W12X14 TOS = 194'-6"
W12X14 TOS = 194'-7"
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W12X14 TOS = 194'-9"
W12X14 TOS = 194'-10"
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W12X14 TOS = 195'-1"
W12X14 TOS = 195'-2"
W12X14 TOS = 195'-3"
W12X14 TOS = 195'-4"
W12X14 TOS = 195'-5"
W12X14 TOS = 195'-6"
W12X14 TOS = 195'-7"
W12X14 TOS = 195'-8"
W12X14 TOS = 195'-9"
W12X14 TOS = 195'-10"
W12X14 TOS = 195'-11"
W12X14 TOS = 196'-0"
W12X14 TOS = 196'-1"
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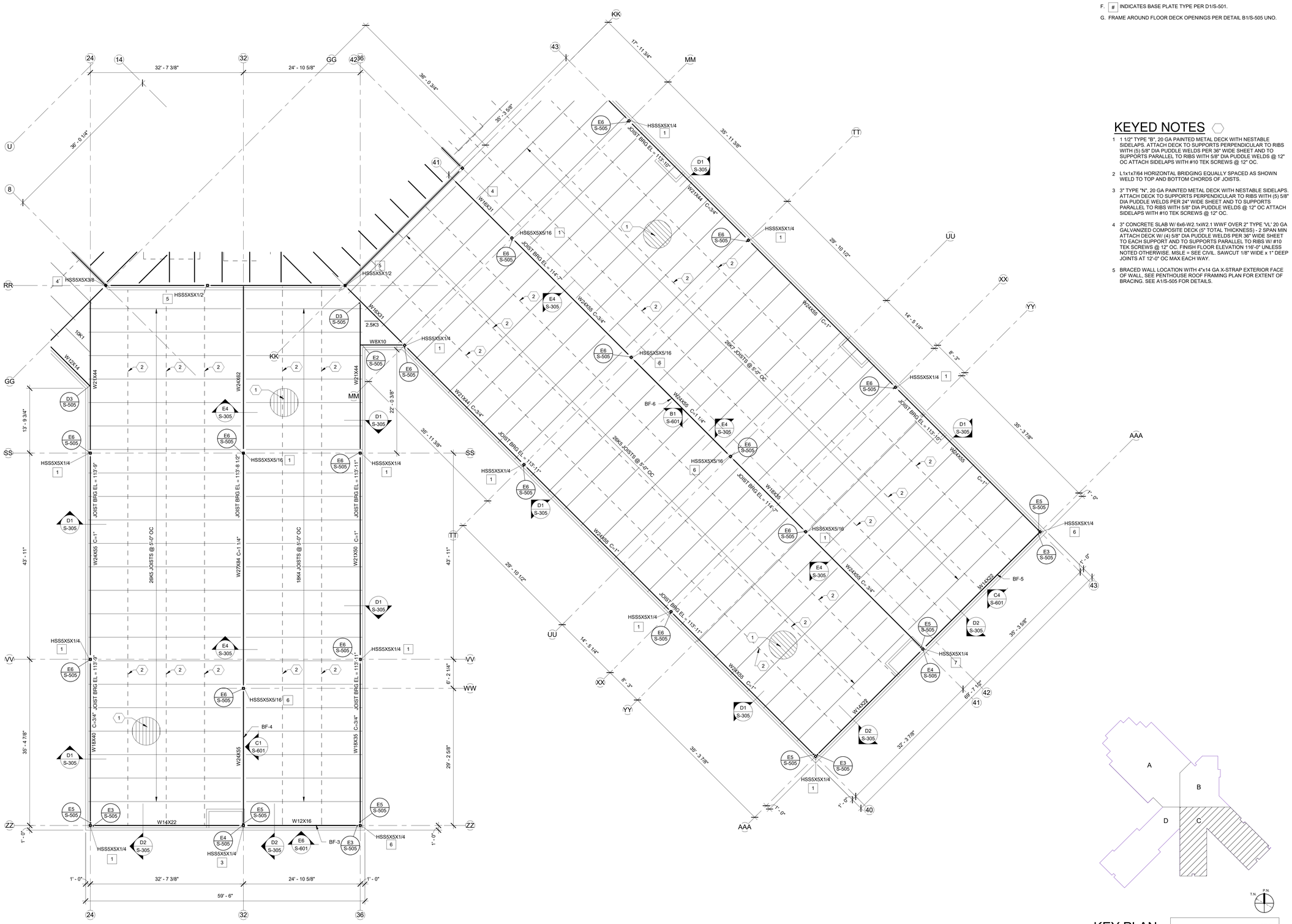
W12X14 TOS = 196'-3"

Dzilth-Na-O-Dith-Hle - New School Building



A1 ENLARGED ROOF FRAMING PLAN 'C'
1/8" = 1'-0"

GENERAL NOTES

A. PROVIDE JOIST BRIDGING PER LATEST SJI REQUIREMENTS.

B. DESIGN JOISTS FOR 10 PSF NET UPLIFT TYPICAL UNLESS NOTED OTHERWISE.

C. FRAME AROUND ROOF DECK OPENINGS PER DETAIL B3/S-505 UNO.

D. SEE C1/S-505 FOR LIGHTGAGE STEEL LINTEL SCHEDULE AND DETAILS AT ALL EXTERIOR OPENINGS AND INTERIOR BEARING WALLS.

E. DIMENSIONS ARE TO EXTERIOR FACE OF STUD WALL.

F. # INDICATES BASE PLATE TYPE PER D1/S-501.

G. FRAME AROUND FLOOR DECK OPENINGS PER DETAIL B1/S-505 UNO.

KEYED NOTES

1 1 1/2" TYPE "B", 20 GA PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH (5) 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELDS @ 12" OC ATTACH SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

2 L1x1x7/64 HORIZONTAL BRIDGING EQUALLY SPACED AS SHOWN WELD TO TOP AND BOTTOM CHORDS OF JOISTS.

3 3" TYPE "N", 20 GA PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH (5) 5/8" DIA PUDDLE WELDS PER 24" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELDS @ 12" OC ATTACH SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

4 3" CONCRETE SLAB W/ 6x6-W2.1xW2.1 WWF OVER 2" TYPE 'VL' 20 GA GALVANIZED COMPOSITE DECK (5" TOTAL THICKNESS) - 2 SPAN MIN ATTACH DECK W/ (4) 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET TO EACH SUPPORT AND TO SUPPORTS PARALLEL TO RIBS W/ #10 TEK SCREWS @ 12" OC. FINISH FLOOR ELEVATION 116'-0" UNLESS NOTED OTHERWISE. MSLE = SEE CIVIL. SAWCUT 1/8" WIDE x 1" DEEP JOINTS AT 12'-0" OC MAX EACH WAY.

5 BRACED WALL LOCATION WITH 4"x14 GA X-STRAP EXTERIOR FACE OF WALL, SEE PENTHOUSE ROOF FRAMING PLAN FOR EXTENT OF BRACING. SEE A1/S-505 FOR DETAILS.

KEY PLAN

N.T.S.

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

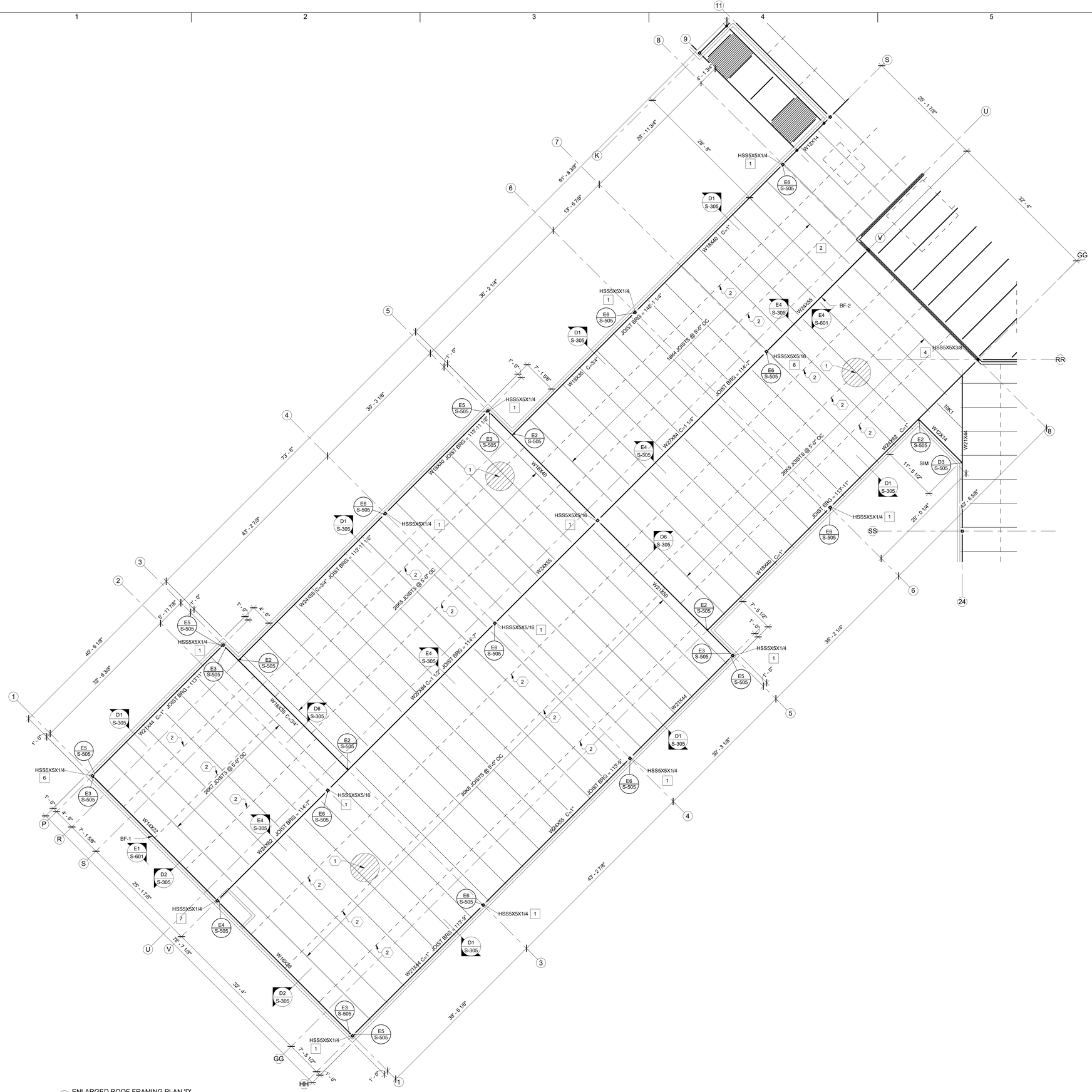
SHEET TITLE

ENLARGED ROOF FRAMING PLAN 'C'

S-111C

10/8/2020 1:43:40 PM

School Information


W18X40 JOIST BRG = 115'-11 1/2"
W24X55 C=3/4" JOIST BRG = 113'-1 1/2"
W21X44 C=1" JOIST BRG = 113'-9"
W21X44 JOIST BRG = 113'-9"
W18X40 C=1"
W24X55 C=1"
W24X55
W21X44
W18X35 C=3/4"
W18X40
W21X44 C=1"
W24X62 JOIST BRG = 114'-7"
W27X84 C=1 1/2" JOIST BRG = 114'-7"
W18X40 JOIST BRG = 114'-7"
W18X35 C=3/4"
W24X55 C=1"
W24X62 C=1"
W27X84 C=1 1/4"
W21X44 C=1"
W18X40 C=1"
W18X35
W21X44
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W18X40
W21X44
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W18X40
W21X44
W21X44

GENERAL NOTES

A. PROVIDE JOIST BRIDGING PER LATEST SJI REQUIREMENTS.

B. DESIGN JOISTS FOR 10 PSF NET UPLIFT TYPICAL UNLESS NOTED OTHERWISE.

C. FRAME AROUND ROOF DECK OPENINGS PER DETAIL B3/S-505 UNO.

D. SEE C1/S-505 FOR LIGHTGAGE STEEL LINTEL SCHEDULE AND DETAILS AT ALL EXTERIOR OPENINGS AND INTERIOR BEARING WALLS.

E. DIMENSIONS ARE TO EXTERIOR FACE OF STUD WALL OR GRID LINE TO GRID LINE.

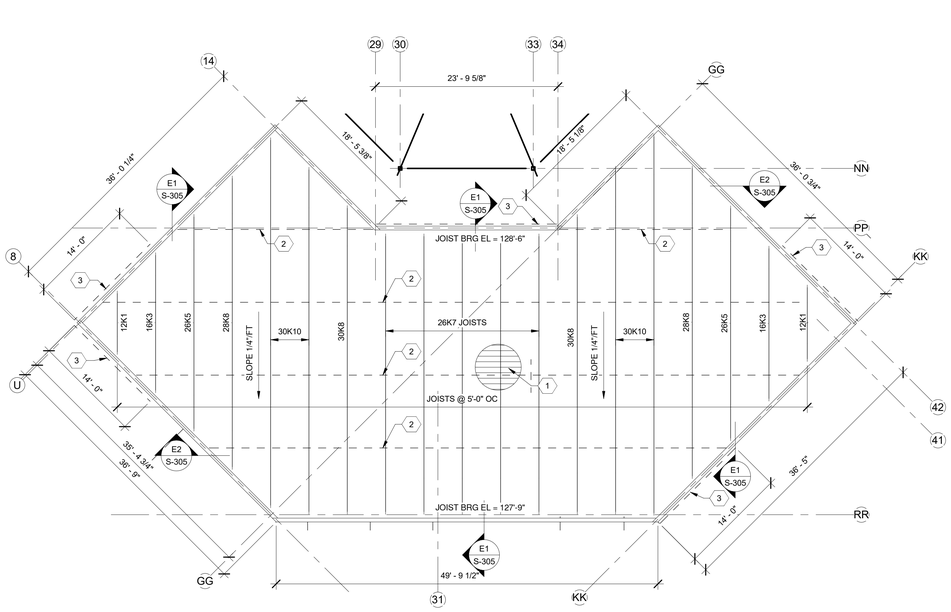
F. [#] INDICATES BASE PLATE TYPE PER D1/S-501.

KEYED NOTES

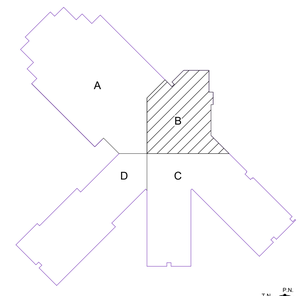
1 1 1/2" TYPE "B", 20 GA PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH (5) 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELDS @ 12" OC ATTACH SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

2 L1x1x7/64 HORIZONTAL BRIDGING EQUALLY SPACED AS SHOWN WELD TO TOP AND BOTTOM CHORDS OF JOISTS.

3 BRACED WALL LOCATION WITH 4"x14 GA X-STRAP EXTERIOR FACE OF WALL, SEE A1/S-505 FOR DETAILS.



A1 PENTHOUSE ROOF FRAMING PLAN 'B'
1/8" = 1'-0"



KEY PLAN N.T.S.

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building
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35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

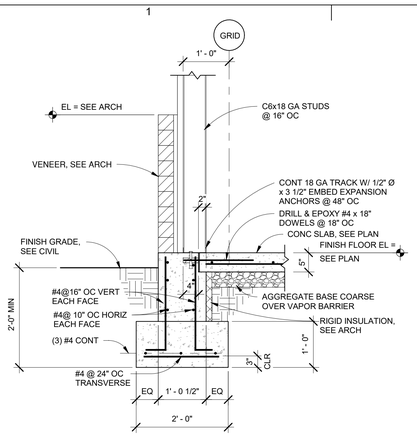
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

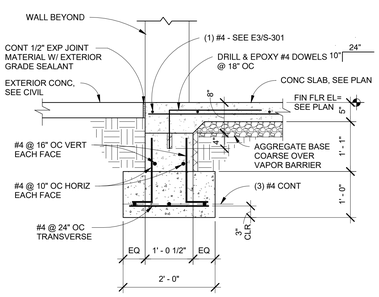
SHEET TITLE

PENTHOUSE ROOF FRAMING PLANS

S-112



E1 SECTION
3/4" = 1'-0"



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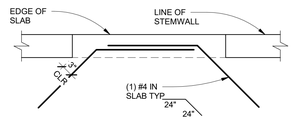
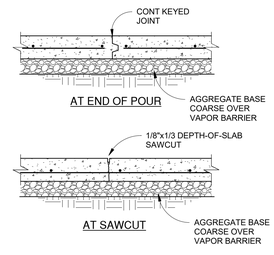
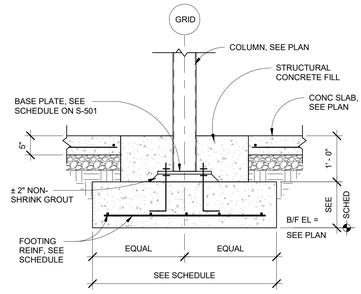


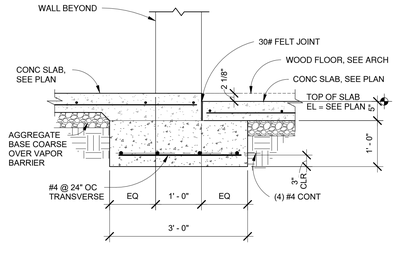
E3 TYP SLAB REINF AT DOOR OPENINGS
3/4" = 1'-0"



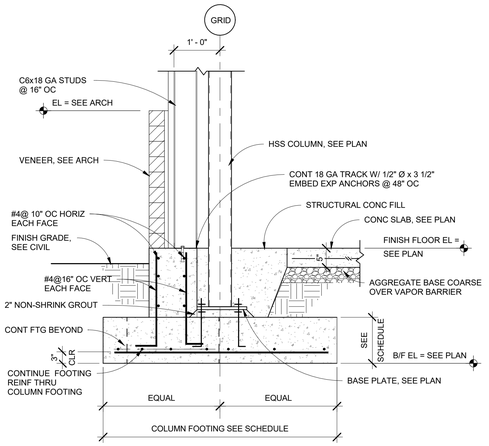
E4 TYP SLAB CONTROL JOINTS
3/4" = 1'-0"



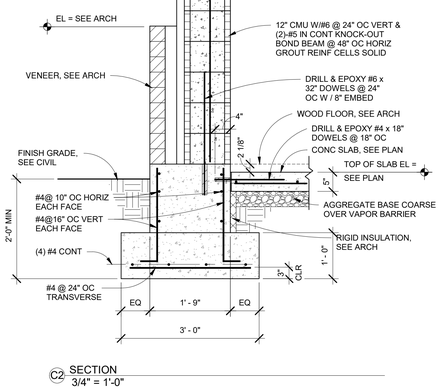
E5 TYPICAL INTERIOR COLUMN
3/4" = 1'-0"



E6 SECTION
3/4" = 1'-0"



C1 SECTION
3/4" = 1'-0"



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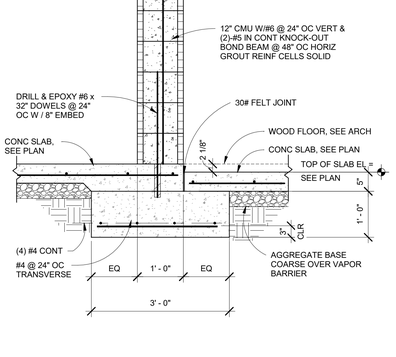

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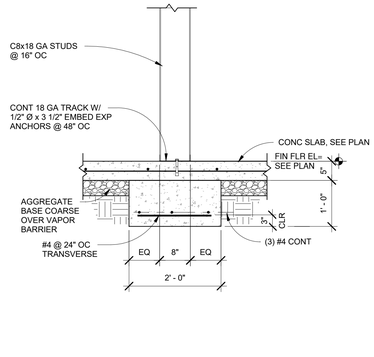

C5 SECTION
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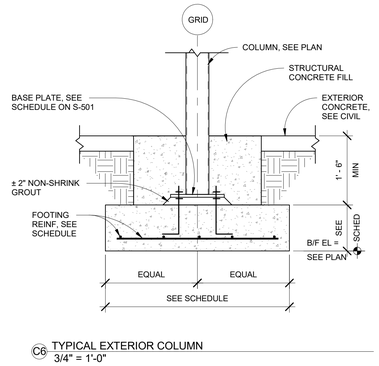

C6 TYPICAL EXTERIOR COLUMN
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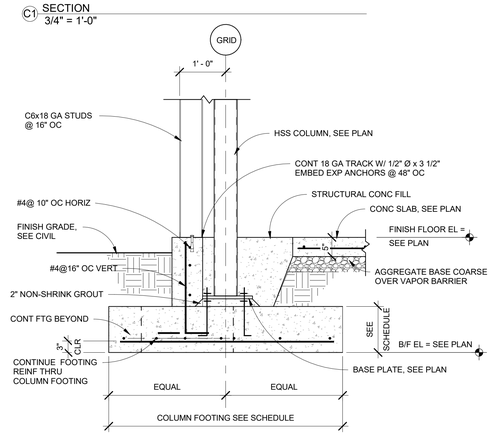
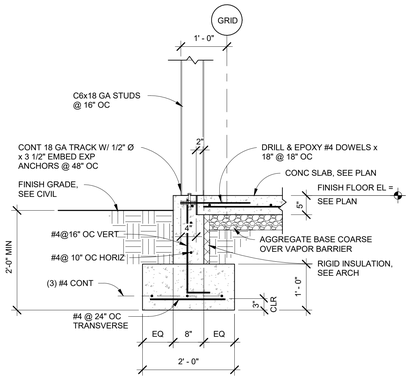


B1 SECTION
3/4" = 1'-0"



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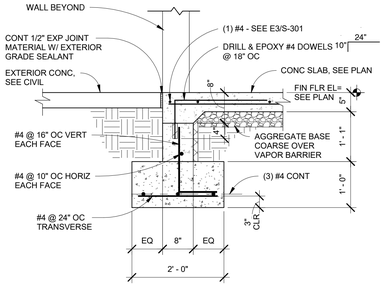

B3 SECTION
3/4" = 1'-0"

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ENGINEER

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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PROJECT NO:	751
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DRAWN BY:	KV
CHECKED BY:	MJW

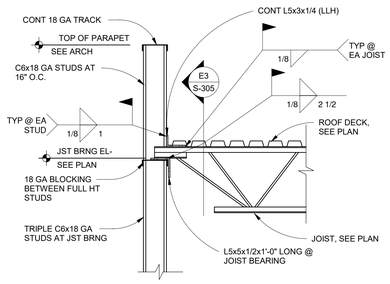
SHEET TITLE

FOUNDATION SECTIONS

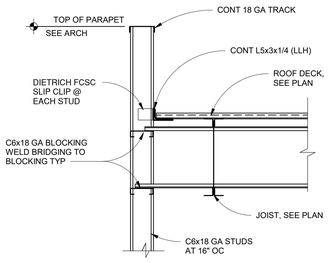
S-301

10/8/2020 1:43:45 PM

School Information



E1 SECTION
3/4" = 1'-0"



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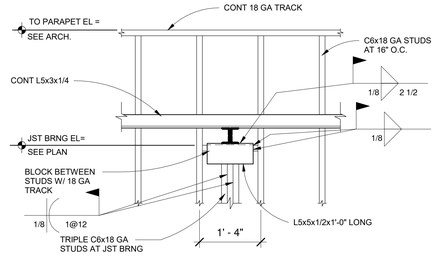

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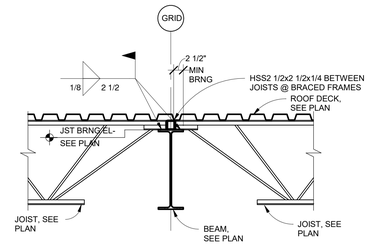

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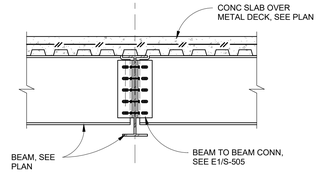

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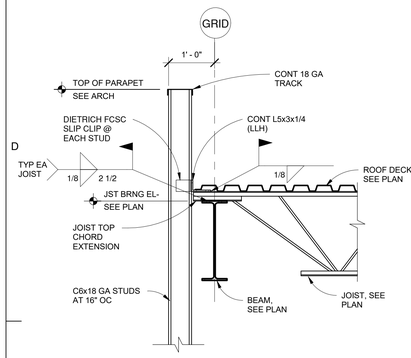

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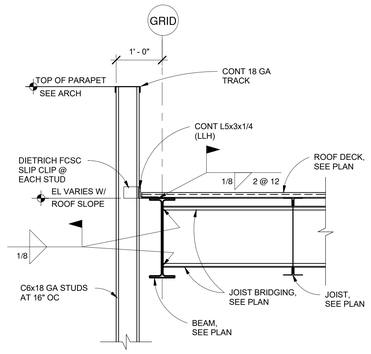

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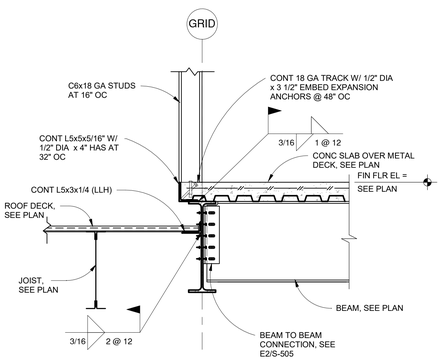

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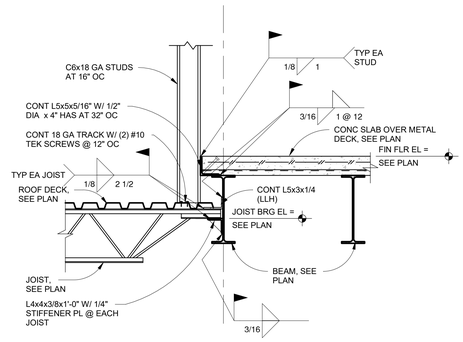

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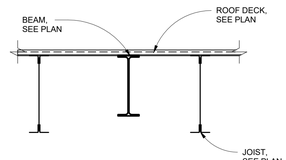

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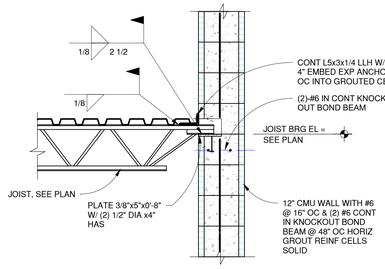
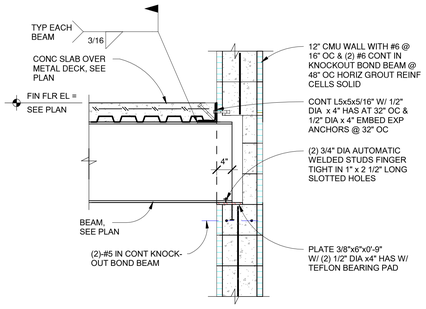


C1 SECTION
3/4" = 1'-0"



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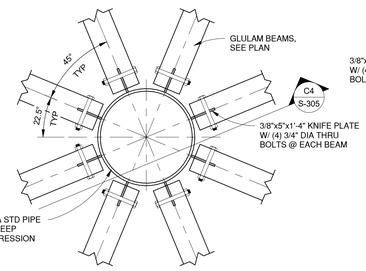
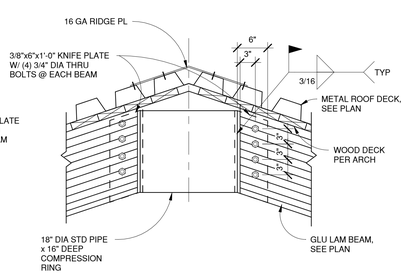


C3 DETAIL
1" = 1'-0"



C4 SECTION
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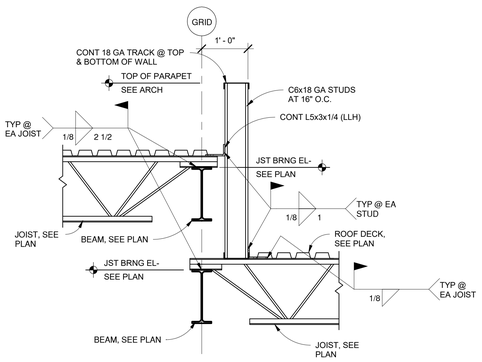
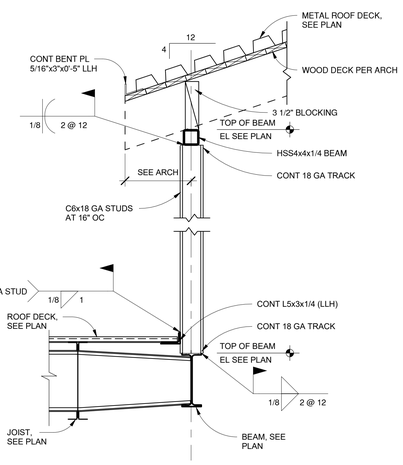
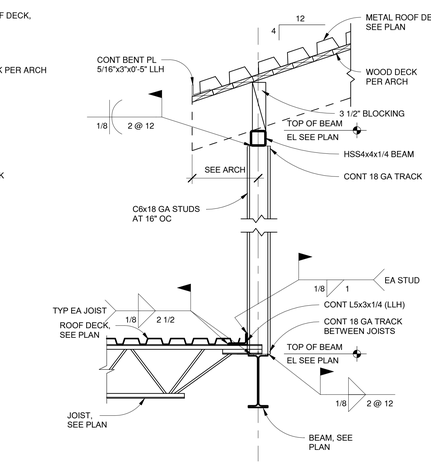


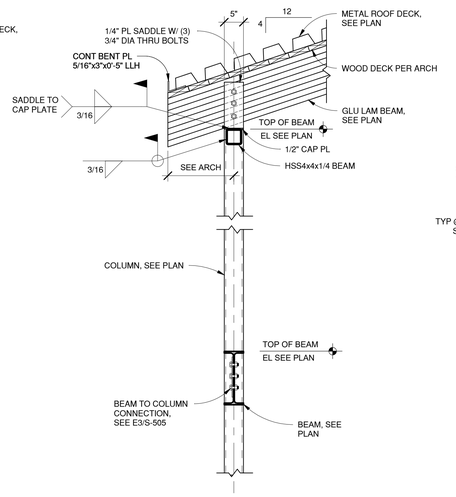
C5 SECTION
3/4" = 1'-0"



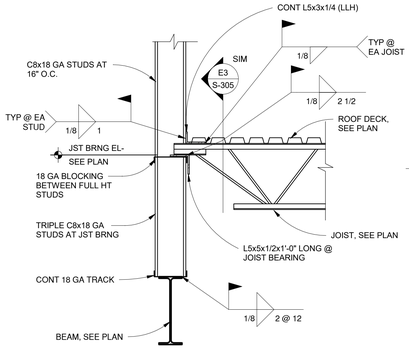
A1 SECTION
3/4" = 1'-0"



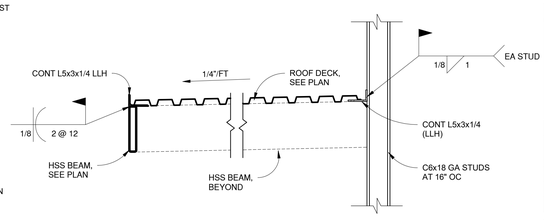
A2 SECTION
3/4" = 1'-0"



A3 SECTION
3/4" = 1'-0"



A4 SECTION
3/4" = 1'-0"



A6 SECTION
3/4" = 1'-0"

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

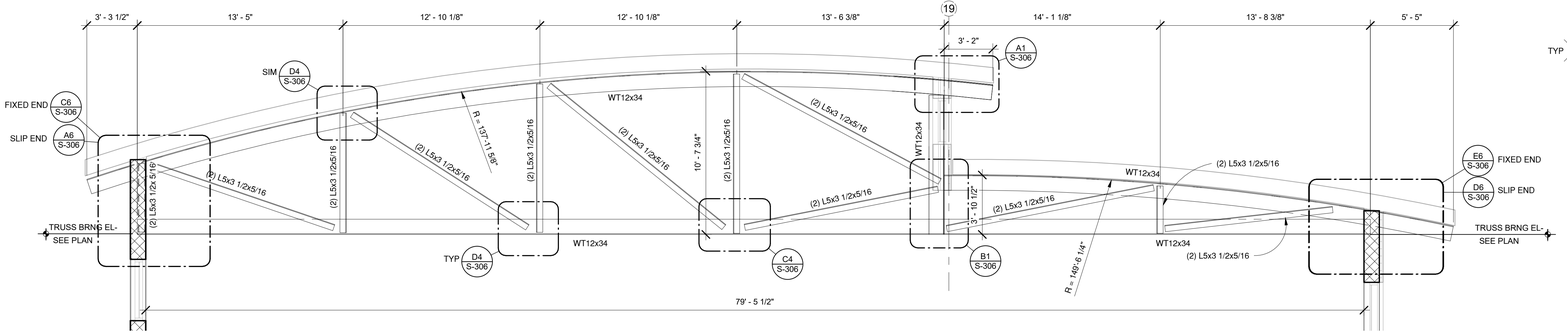
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

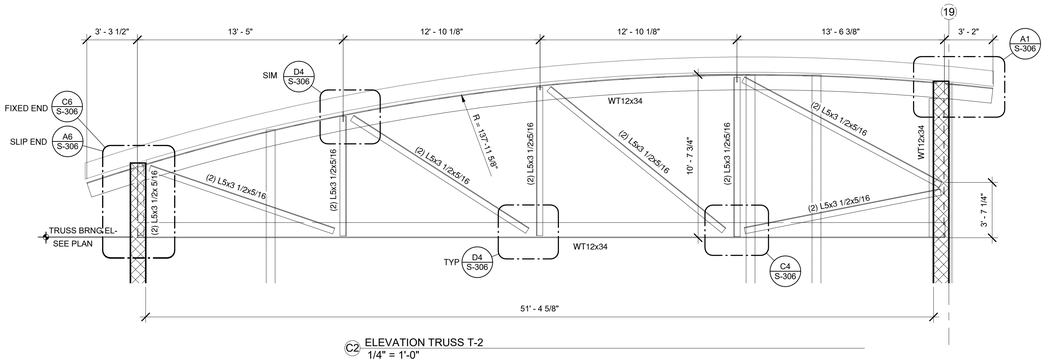
SHEET TITLE

FRAMING SECTIONS

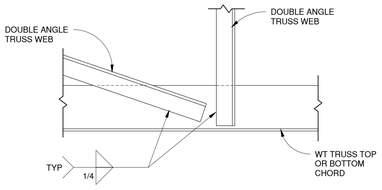
S-305



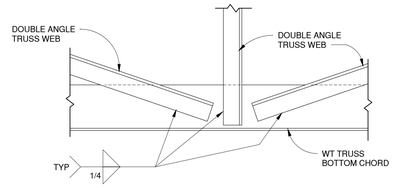
E2 ELEVATION TRUSS T-1
1/4" = 1'-0"



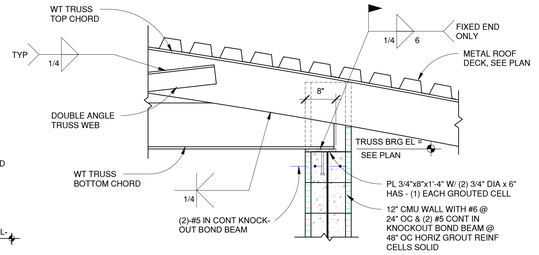
C2 ELEVATION TRUSS T-2
1/4" = 1'-0"



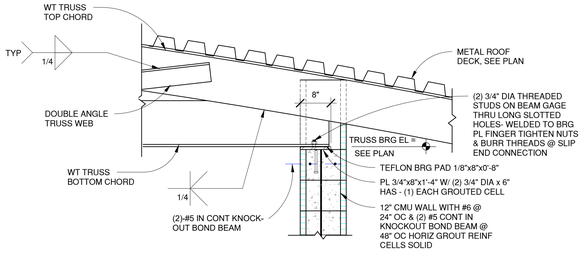
D4 SECTION
3/4" = 1'-0"



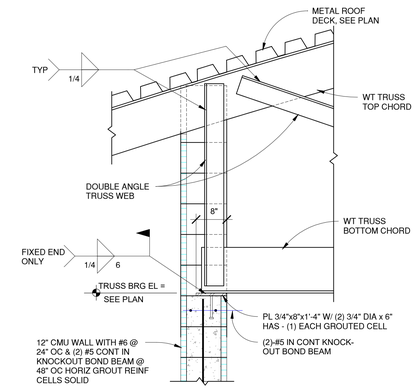
C4 SECTION
3/4" = 1'-0"



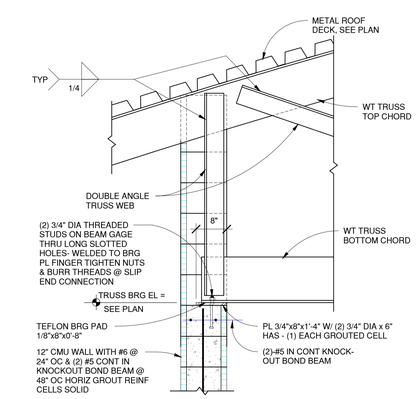
E6 FIXED END TRUSS BEARING @ LOW END OF TRUSS
3/4" = 1'-0"



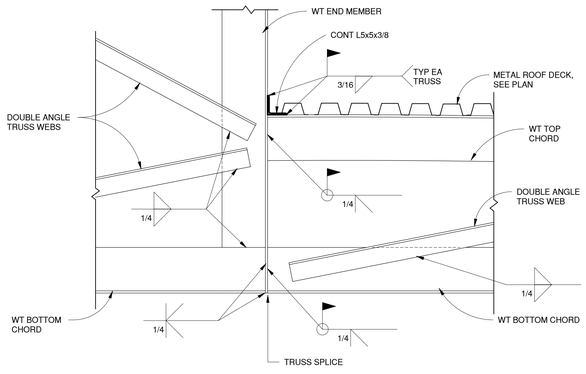
D6 SLIP END TRUSS BEARING @ LOW END OF TRUSS
3/4" = 1'-0"



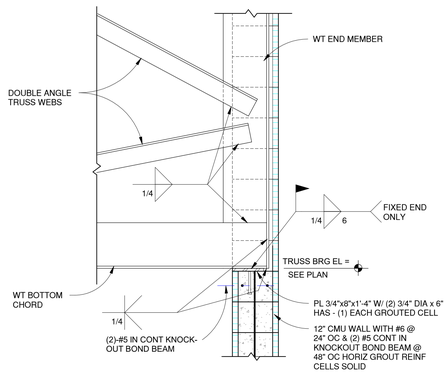
C6 FIXED END TRUSS BEARING @ HIGH END OF TRUSS
3/4" = 1'-0"



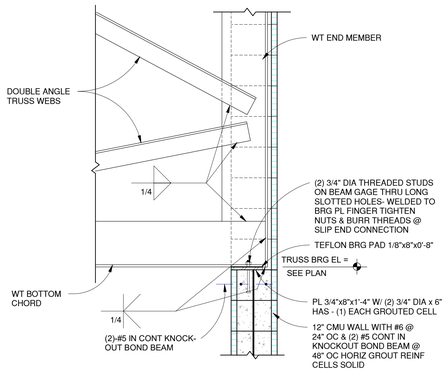
A6 SLIP END TRUSS BEARING @ HIGH END OF TRUSS
3/4" = 1'-0"



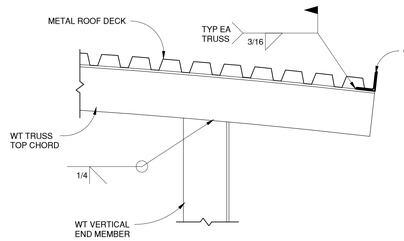
B1 SECTION @ TRUSS SPLICE
3/4" = 1'-0"



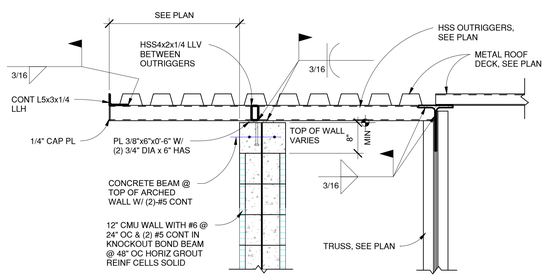
B3 SECTION @ TRUSS BEARING FIXED END
3/4" = 1'-0"



B4 SECTION @ TRUSS BEARING SLIP END
3/4" = 1'-0"



A1 SECTION
3/4" = 1'-0"



A2 SECTION
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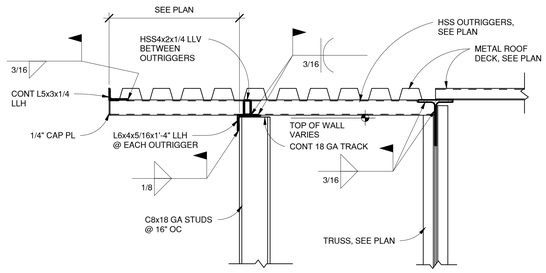

A4 SECTION
3/4" = 1'-0"

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ENGINEER

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OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

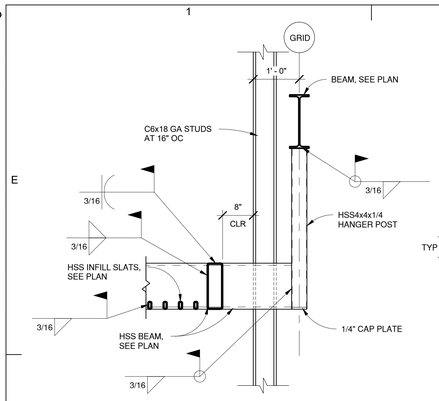
SHEET TITLE

FRAMING SECTIONS

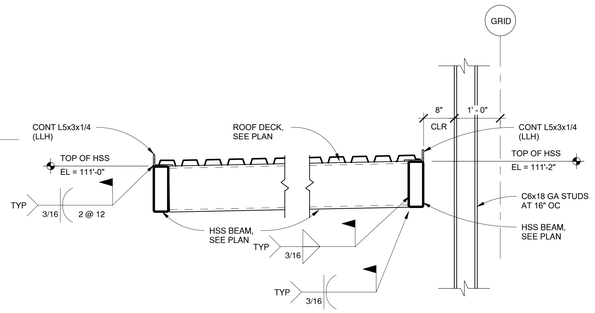
S-306

10/8/2020 1:43:55 PM

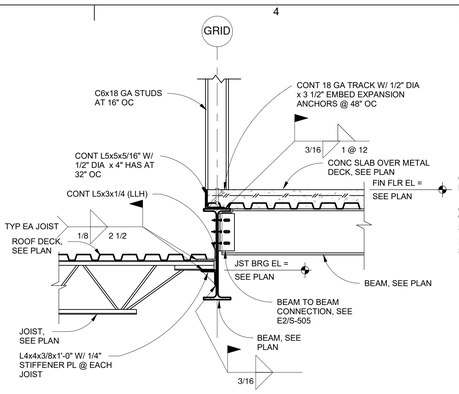
School Information



E1 SECTION
3/4" = 1'-0"



E2 SECTION @ CAFETERIA CANOPY
3/4" = 1'-0"



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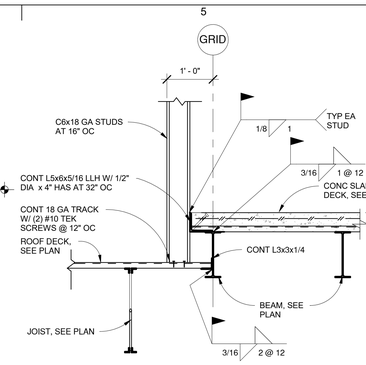
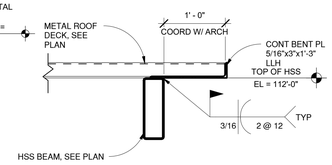
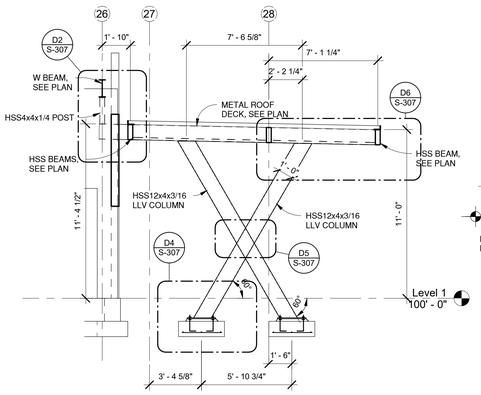
3/4" = 1'-0"



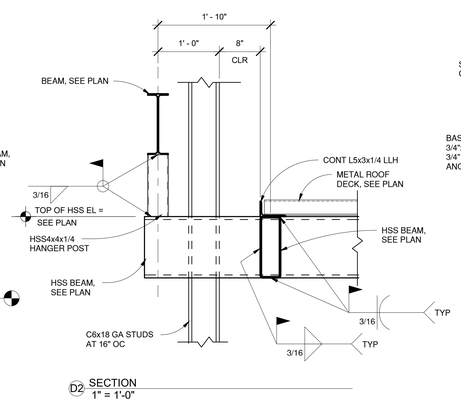
E5 SECTION
3/4" = 1'-0"



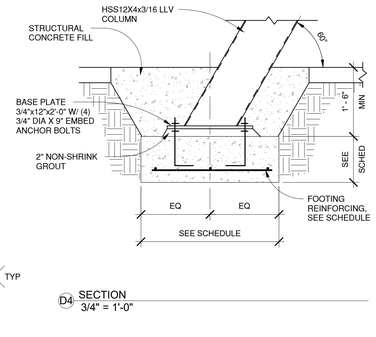
E6 SECTION
1" = 1'-0"



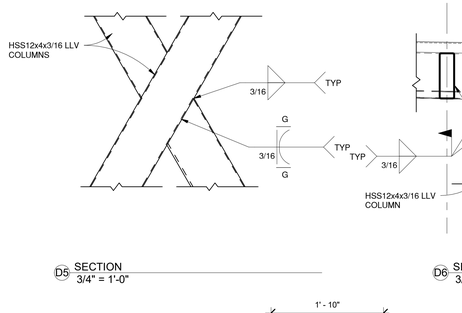
D1 SECTION @ GYM CANOPY
1/4" = 1'-0"



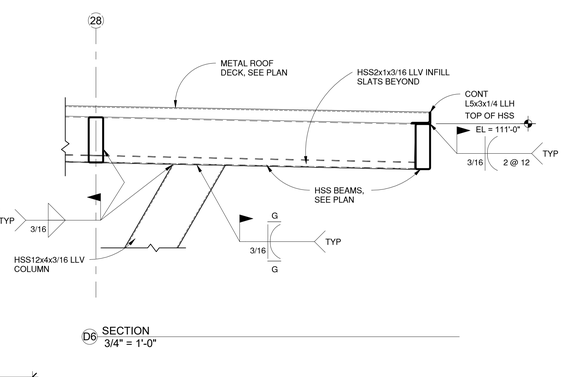
D2 SECTION
1" = 1'-0"



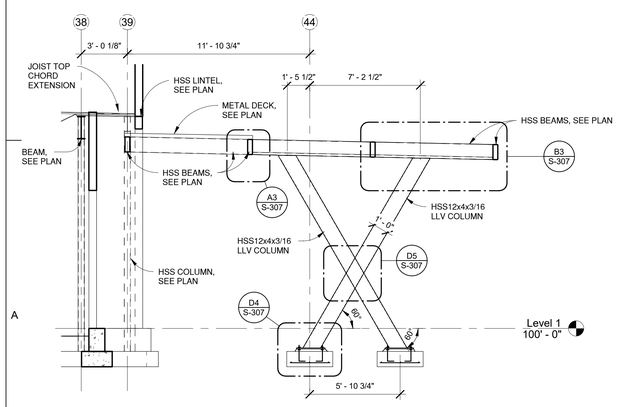
D4 SECTION
3/4" = 1'-0"



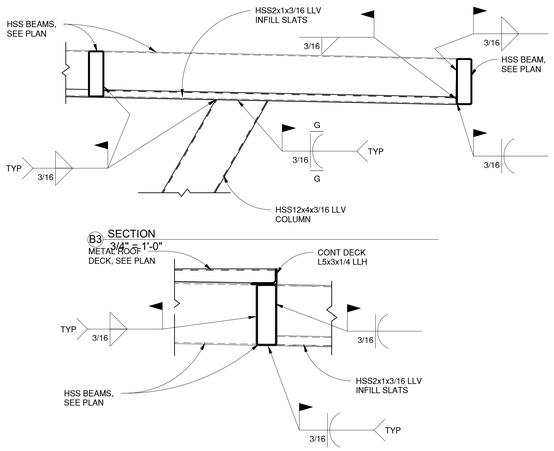
D5 SECTION
3/4" = 1'-0"



D6 SECTION
3/4" = 1'-0"

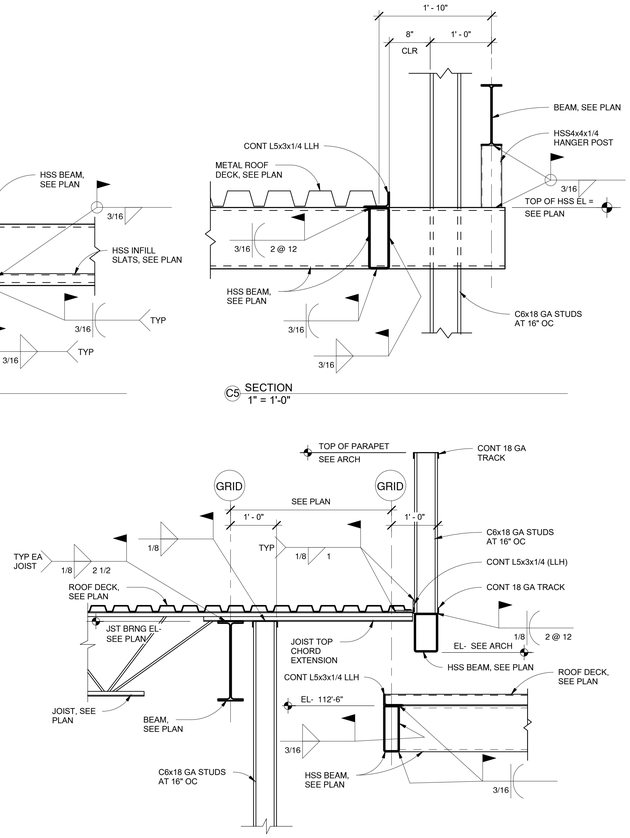


A1 SECTION @ MAIN ENTRY CANOPY
1/4" = 1'-0"

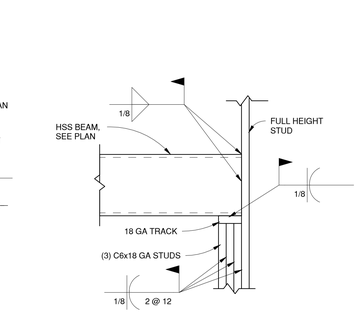


B3 SECTION
3/4" = 1'-0"

A3 SECTION
1" = 1'-0"

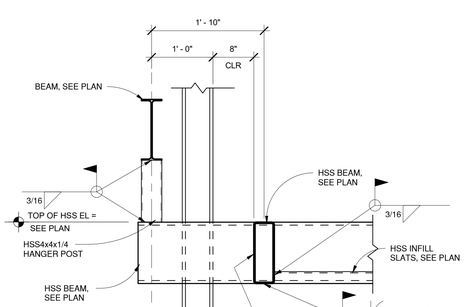


A4 SECTION
3/4" = 1'-0"



C5 SECTION
1" = 1'-0"

C6 SECTION
1" = 1'-0"



C4 SECTION
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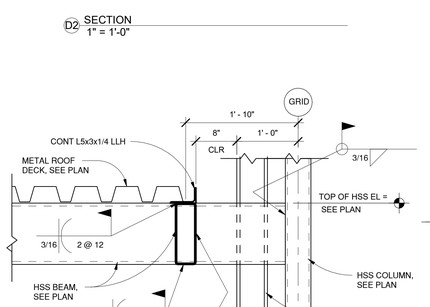

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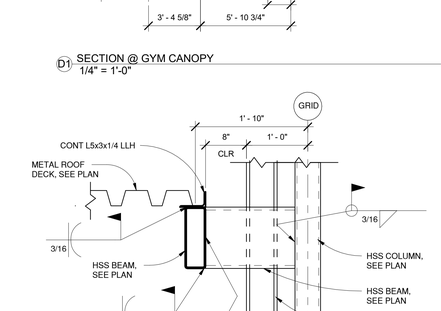
1" = 1'-0"



C1 SECTION
1" = 1'-0"

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CHECKED BY:	MJW

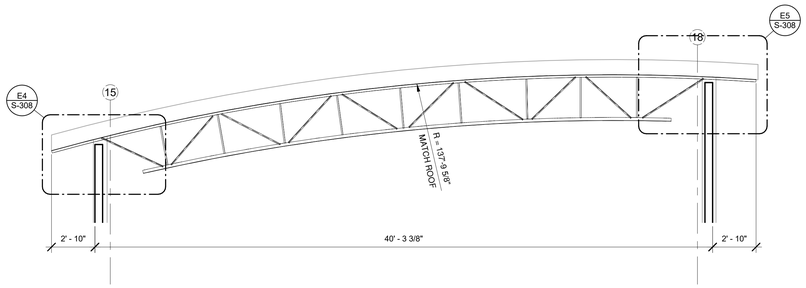
SHEET TITLE

FRAMING SECTIONS

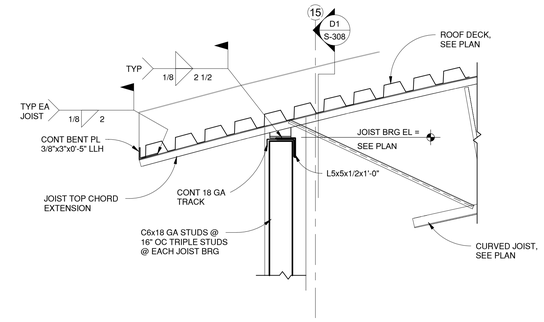
S-307

10/8/2020 1:44:09 PM

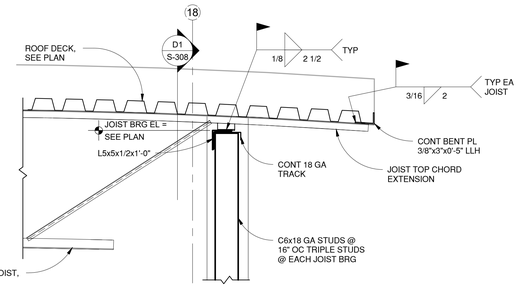
School Information



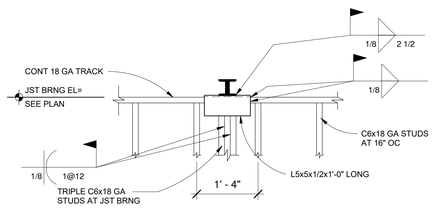
E1 ELEVATION CURVED JOISTS @ PENTHOUSE ROOF FRAMING 'A'
1/4" = 1'-0"



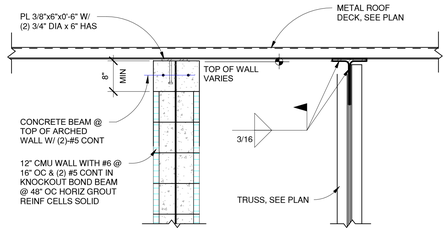
E4 SECTION
3/4" = 1'-0"



E5 SECTION
3/4" = 1'-0"



D1 SECTION
3/4" = 1'-0"



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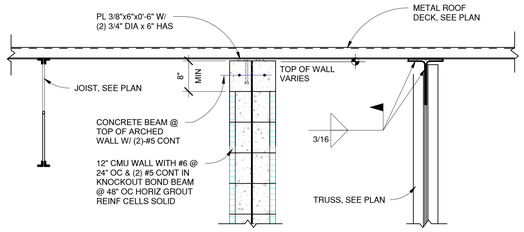
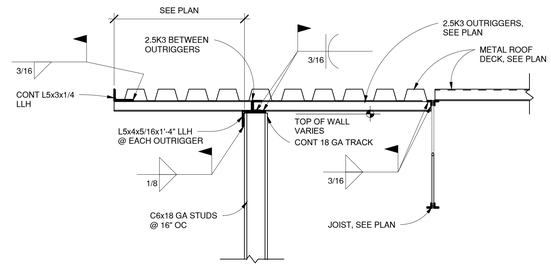
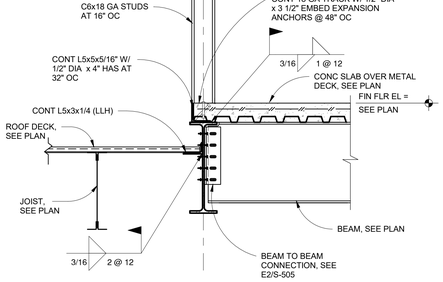
3/4" = 1'-0"



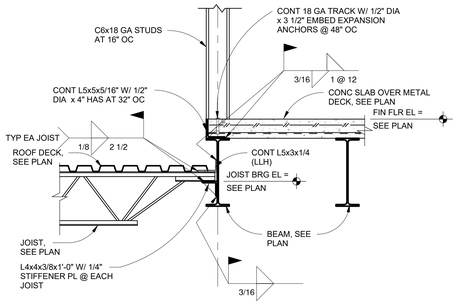
D4 SECTION
3/4" = 1'-0"



D5 SECTION
3/4" = 1'-0"



C1 SECTION
3/4" = 1'-0"



C2 SECTION
3/4" = 1'-0"

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FAX: 505.884.5390
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SITE
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p_505.212.9126

FOOD SERVICE
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Albuquerque, NM 87107
p_505.341.1054

ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

FRAMING SECTIONS

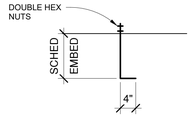
S-308

School Information

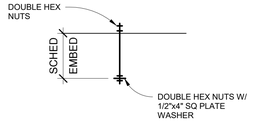
10/8/2020 1:44:14 PM

#	MARK	TYPE	SIZE "T"x"A"x"B"	A307 ANCHOR BOLTS	ANCHOR BOLT TYPE
	1	A	3/4"x13"x1'-1"	(4)- 3/4"Ø x9" EMBED	1
	2	B	1"x13"x1'-1"	(4)- 3/4"Ø x9" EMBED ALL THREADS	2
	3	D	3/4"x13"x1'-1"	(4)- 3/4"Ø x9" EMBED ALL THREADS	2
	4	A	7/8"x13"x1'-1"	(4)- 3/4"Ø x 9" EMBED	1
	5	A	1"x13"x1'-1"	(4)- 3/4"Ø x9" EMBED	1
	6	B	3/4"x13"x1'-1"	(4)- 3/4"Ø x9" EMBED ALL THREADS	2
	7	C	3/4"x13"x1'-1"	(4)- 3/4"Ø x9" EMBED ALL THREADS	2

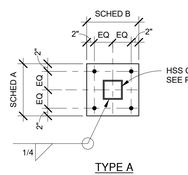
BASE PLATE SCHEDULE



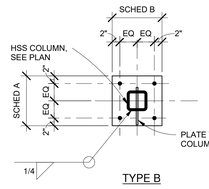
TYPE 1 ANCHOR BOLT



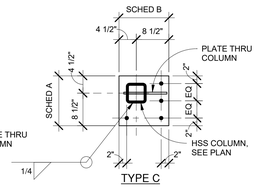
TYPE 2 ANCHOR BOLT



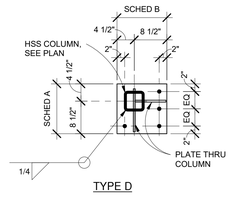
TYPE A



TYPE B

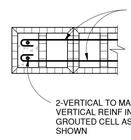


TYPE C

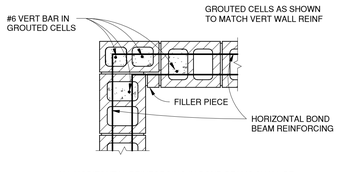


TYPE D

D1 BASE PLATE SCHEDULE
3/4" = 1'-0"

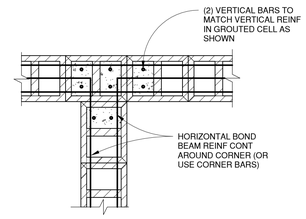


E4 PLAN @ 12" CMU END WALL
3/4" = 1'-0"

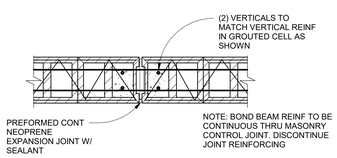


ALL HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS AROUND CORNER OR HAVE CORNER BARS OF THE SAME SIZE AND A LAP OF 48 BAR DIAMETERS & 24" MINIMUM.

E5 PLAN @ 12" CMU CORNER
3/4" = 1'-0"

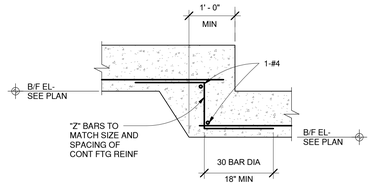


E6 PLAN @ 12" CMU INTERSECTION
3/4" = 1'-0"

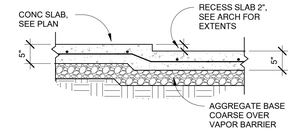


TYPICAL MASONRY CONTROL JOINT (MCJ)

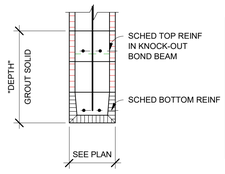
D4 MASONRY CONTROL JOINT @ 12" CMU
3/4" = 1'-0"



D5 TYPICAL STEP FOOTING
3/4" = 1'-0"



D6 RECESS SLAB
3/4" = 1'-0"



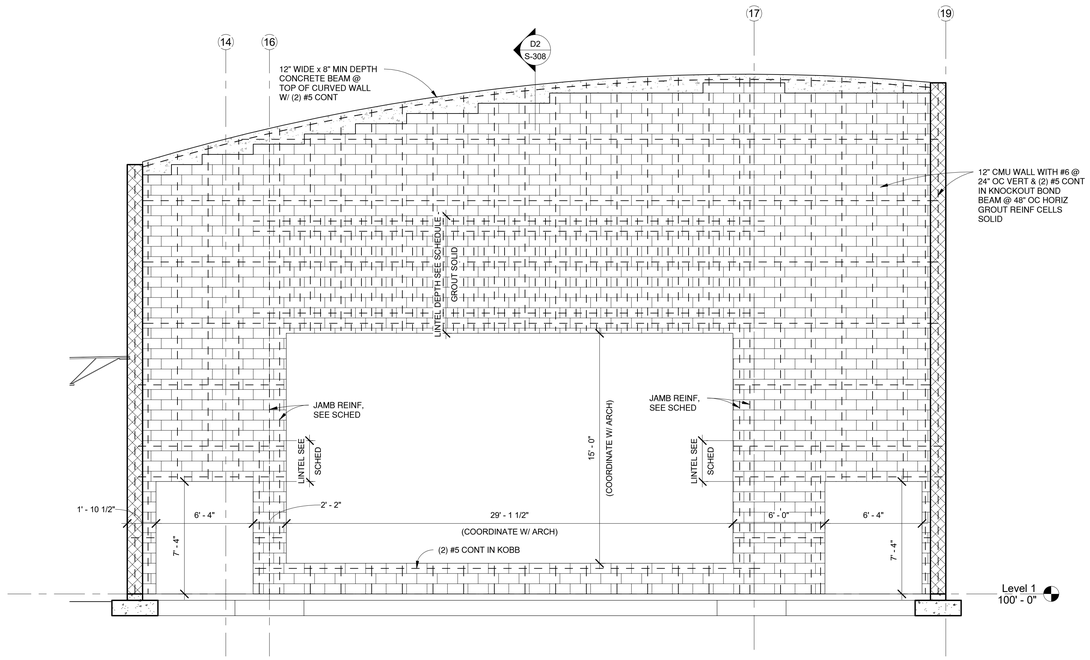
NOTE: @ LOCATIONS WHERE # OF JAMB CELLS TO BE REINFORCED & GROUTED EXCEEDS # OF CELLS PRESENT- USE (2)-#6 VERTICALS IN EACH CELL BETWEEN OPENINGS- FULL HEIGHT

CMU LINTEL SCHEDULE

OPENING WIDTH	DEPTH	REINFORCING	# OF REINFORCED JAMB CELLS
4'-0" TO 8'-0"	24"	(2) #5 TOP & BOTTOM	(1) W/ (1) #6 VERT
29'-6"	80"	(2) #7 @ TOP (2) CELLS & (2) #7 @ BOTTOM (2) CELLS W/ (1) # 6 VERTICAL @ 8" OC	(2) W/ (2) #6 VERT IN EACH CELL

NOTE: HORIZONTAL REINFORCING SHALL EXTEND 2'-0" BEYOND OPENING AT EACH END

C1 MASONRY LINTEL SCHEDULE
3/4" = 1'-0"



A1 12" CMU WALL REINFORCING ELEVATION
1/4" = 1'-0"

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

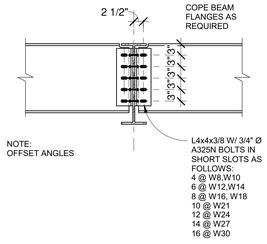
SHEET TITLE

FOUNDATION DETAILS

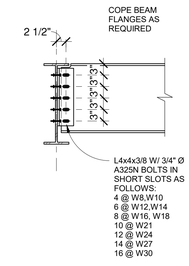
S-501

School Information

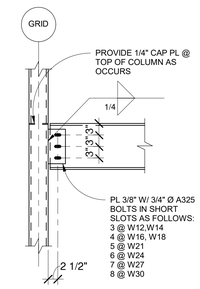
10/8/2020 1:44:17 PM



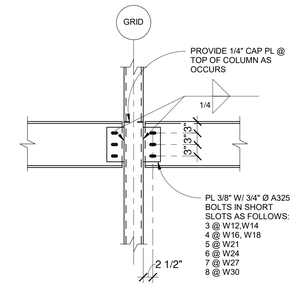
E1 BEAM TO BEAM ANGLE CONNECTION
3/4" = 1'-0"



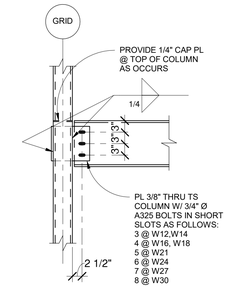
E2 BEAM TO BEAM CONN - ONE SIDED
3/4" = 1'-0"



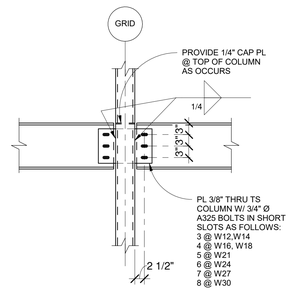
E3 BEAM TO HSS COLUMN CONN W - SHEAR TAB - 2 SIDED
3/4" = 1'-0"



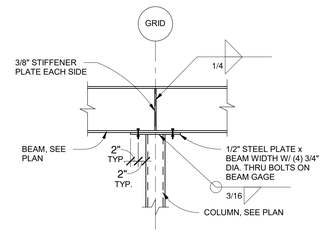
E4 BEAM TO HSS COLUMN W - SHEAR TAB
3/4" = 1'-0"



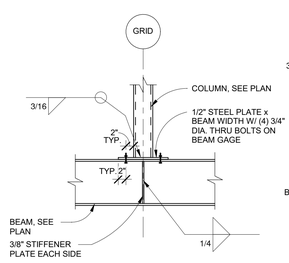
E5 BEAM TO HSS COLUMN CONN W - THRU PLATE
3/4" = 1'-0"



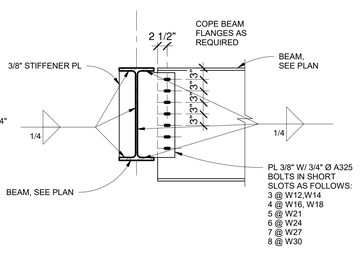
E6 BEAMS TO HSS COLUMN W - THRU PLATE
3/4" = 1'-0"



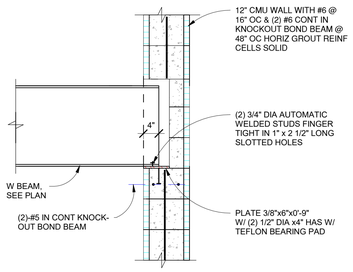
D1 BEAM OVER TOP OF COLUMN CONNECTION
3/4" = 1'-0"



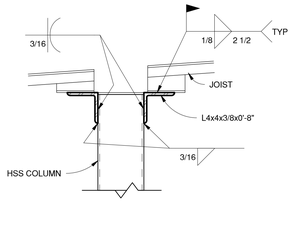
D2 COLUMN ON TOP OF BEAM CONNECTION
3/4" = 1'-0"



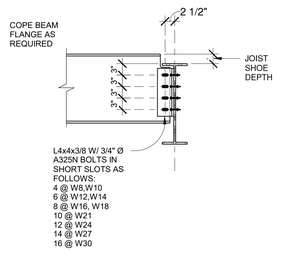
D3 SKEWED BEAM TO BEAM CONNECTION
3/4" = 1'-0"



D4 W BEAM TO CMU WALL CONNECTION
3/4" = 1'-0"



D5 JOIST BEARING ON COLUMN
1 1/2" = 1'-0"

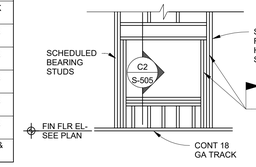


D6 BEAM TO BEAM CONNECTION
3/4" = 1'-0"

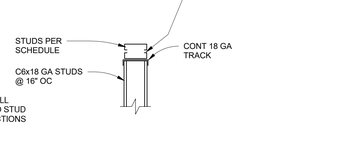
STEEL LINTEL SCHEDULE

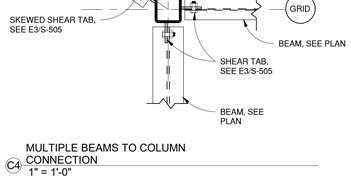
OPENING WIDTH	SIZE	NO. BEARING STUDS	NO. FULL HEIGHT STUDS	WINDOW SILL STUDS
0'-0" TO 4'-0"	2-C6x18 GA.	1	1	18 GA. TRACK
4'-1" TO 6'-4"	3-C6x18 GA.	1	2	18 GA. TRACK 1-C6x18 GA
6'-5" TO 8'-0"	TS6x6x3/16	2	2	18 GA. TRACK 1-C6x18 GA
8'-1" TO 10'-0"	TS6x6x1/4	2	2	18 GA TRACK 2-C6x18 GA
10'-1" TO 12'-0"	TS8x6x1/4 (LLV)	2	3	18 GA TRACK 3-C6x18 GA
12'-1" TO 14'-0"	TS10x6x1/4 (LLV)	3	3	18 GA TRACK 3-C6x18 GA
14'-1" TO 16'-0"	TS12x6x3/8 (LLV)	4	4	18 GA TRACK 4-C6x18 GA
16'-1" TO 18'-0"	TS12x6x1/2 (LLV)	5	5	18 GA TRACK 4-C6x18 GA
18'-1" TO 24'-0"	TS14x6x5/8 (LLV)	TS6x6x1/4	TS6x6x1/4	18 GA TRACK & TS6x6x1/4

C1 STEEL LINTEL SCHEDULE
3/4" = 1'-0"

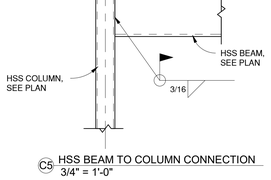


C2 3/4"=1'-0"

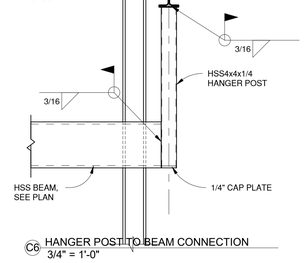




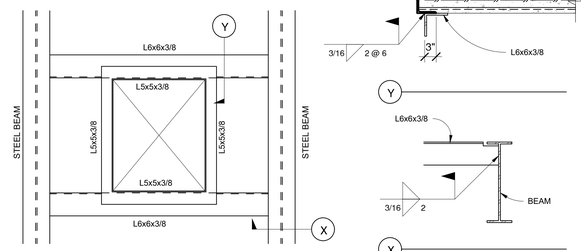
C4 MULTIPLE BEAMS TO COLUMN CONNECTION
1" = 1'-0"



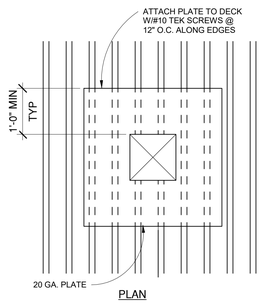
C5 HSS BEAM TO COLUMN CONNECTION
3/4" = 1'-0"



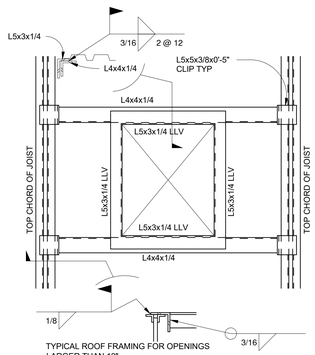
C6 HANGER POST TO BEAM CONNECTION
3/4" = 1'-0"

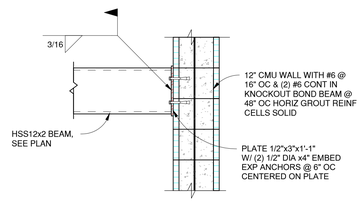


B1 FRAMING FOR OPENINGS IN FLOOR DECK
3/4" = 1'-0"

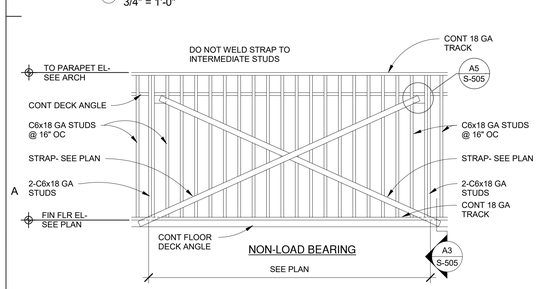


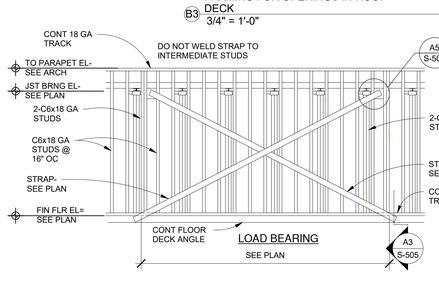
B3 FRAMING FOR OPENINGS IN ROOF DECK
3/4" = 1'-0"



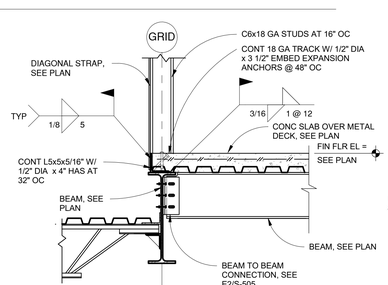


B4 HSS CANOPY BEAM TO CMU WALL CONNECTION
3/4" = 1'-0"

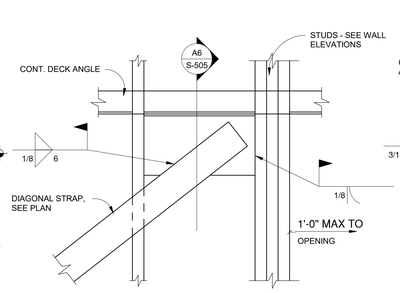




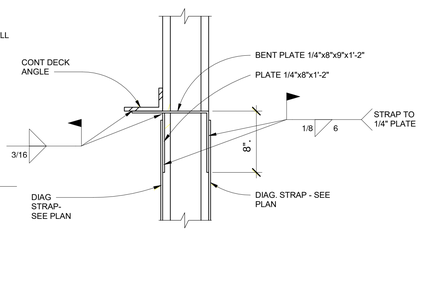
A1 STRAPPED WALL ELEVATIONS
3/4" = 1'-0"



A3 STRAPPED WALL DETAIL AT BASE
3/4" = 1'-0"



A5 STRAPPED WALL WALL DETAIL AT TOP
3/4" = 1'-0"



A6 STRAPPED WALL SECTION AT TOP
3/4" = 1'-0"

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ENGINEER

Dzilth-Na-O-Dith-Hle - New School Building

PROGRESS SET

35 Road 7585, Bloomfield, NM 87413

OCTOBER 8, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	KV
CHECKED BY:	MJW

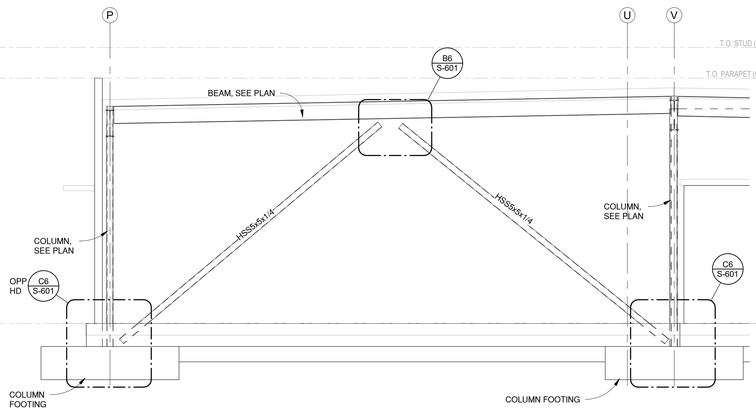
SHEET TITLE

FRAMING DETAILS

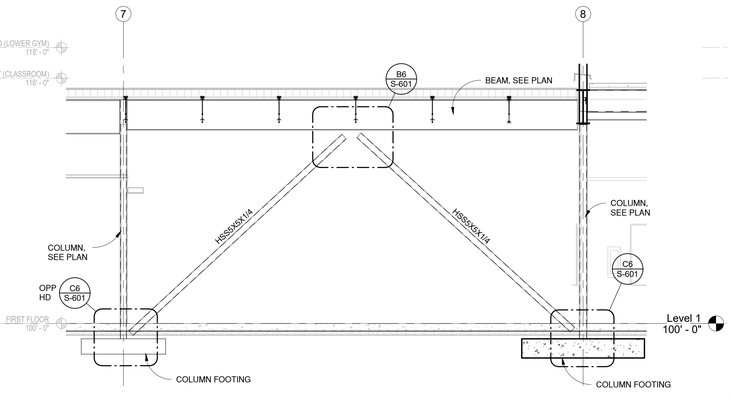
S-505

School Information

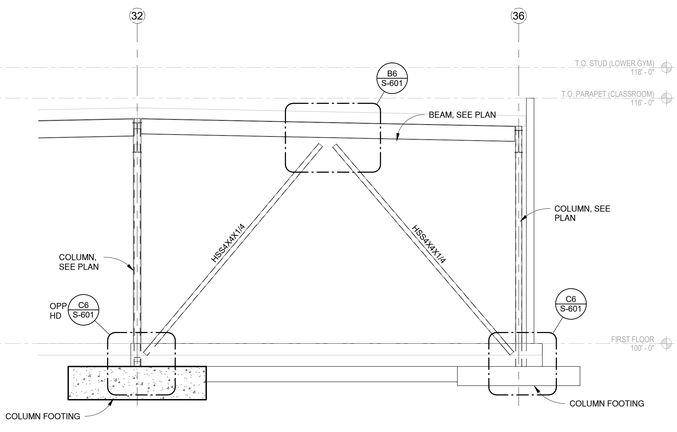
10/8/2020 1:44:22 PM



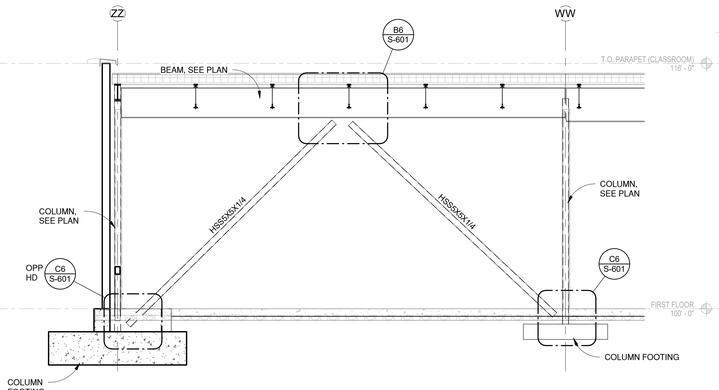
E1 BRACED FRAME 1
1/4" = 1'-0"



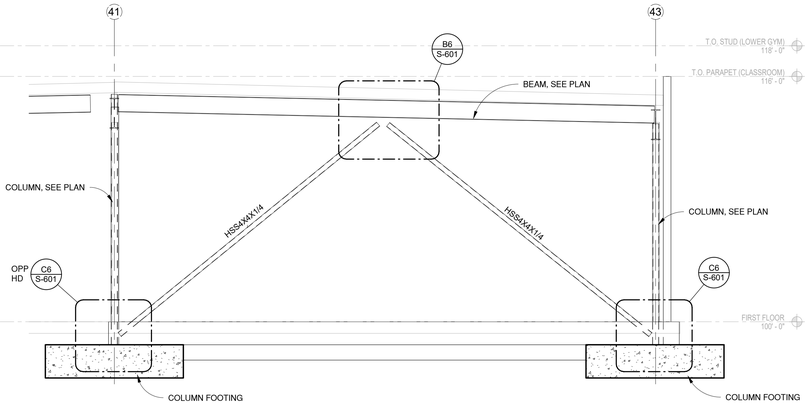
E4 BRACED FRAME 2
1/4" = 1'-0"



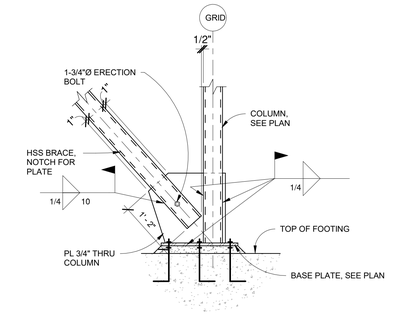
E6 BRACED FRAME 3
1/4" = 1'-0"



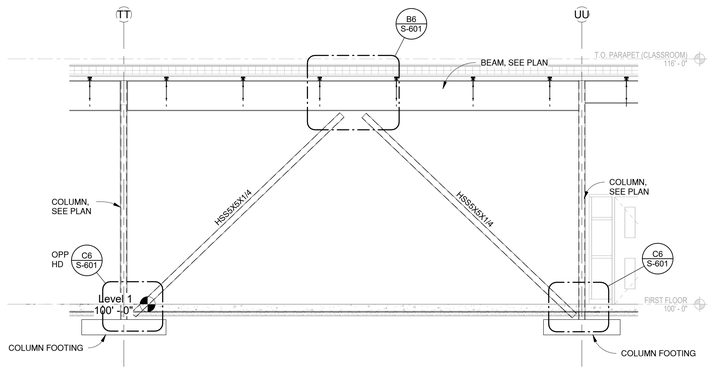
C1 BRACED FRAME 4
1/4" = 1'-0"



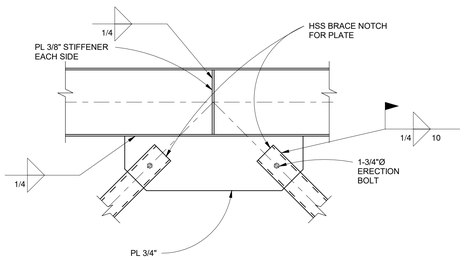
C4 BRACED FRAME 5
1/4" = 1'-0"



C6 BRACED FRAME DETAIL
3/4" = 1'-0"



B1 BRACED FRAME 6
1/4" = 1'-0"



B6 BRACED FRAME DETAIL
3/4" = 1'-0"

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OCTOBER 8, 2020

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ISSUE:	
DATE:	
PROJECT NO:	751
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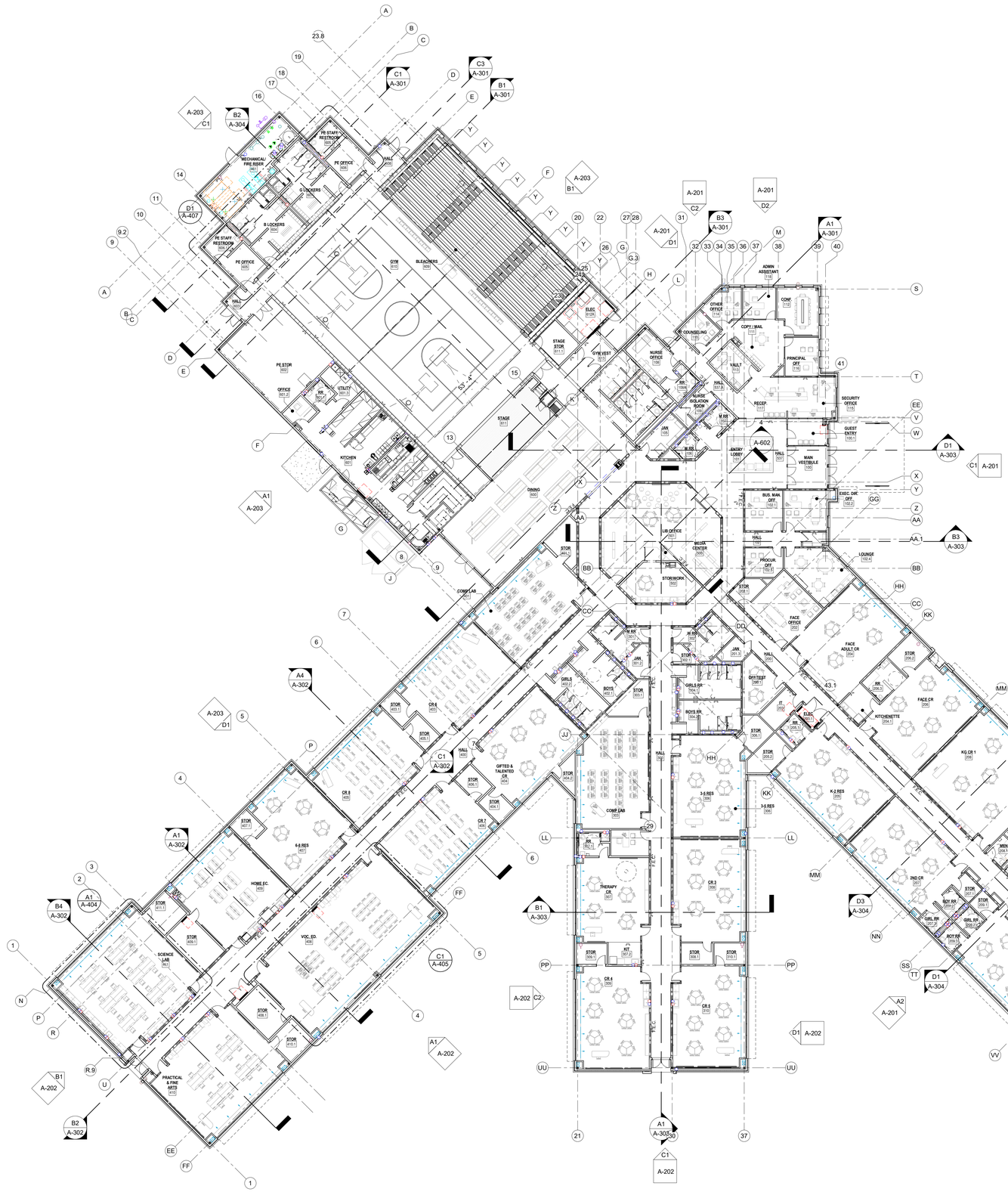
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

BRACED FRAME ELEVATIONS & DETAILS

S-601



WALL TYPE LEGEND

- EXTERIOR: 12" CONCRETE MASONRY WITH 1 1/2" RIGID INSULATION, STUCCO FINISH SYSTEM AND STONE VENEER WAINSCOT.
- EXTERIOR: 6" METAL STUDS WITH 1 1/2" RIGID INSULATION, STUCCO FINISH SYSTEM AND STONE VENEER WAINSCOT.
- EXTERIOR: 6" METAL STUDS WITH 1 1/2" RIGID INSULATION, STUCCO FINISH SYSTEM.

NOTE: SEE BUILDING AND WALL SECTIONS FOR DETAILED INFORMATION REGARDING EXTERIOR WALL ASSEMBLIES.

SEE PARTITION SCHEDULE FOR DETAILED INFORMATION REGARDING INTERIOR PARTITIONS.

GENERAL NOTES

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B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

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G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

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I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

SYMBOL LEGEND

- XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- Ref / 1 / A101 — BUILDING ELEVATION
- 1Ref / A101 — INTERIOR ELEVATION
- 1 / A101 SIM — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- X — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

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ARCHITECT

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35 Road 7585, Bloomfield, NM 87413

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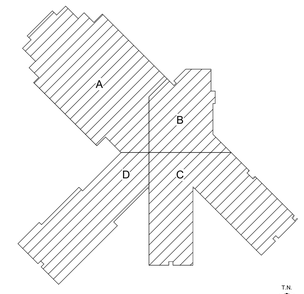
CHECKED BY:	JT

SHEET TITLE

OVERALL FLOOR PLAN

A-101



KEY PLAN N.T.S.

A1 OVERALL FLOOR PLAN - SHEETED
1/16" = 1'-0"

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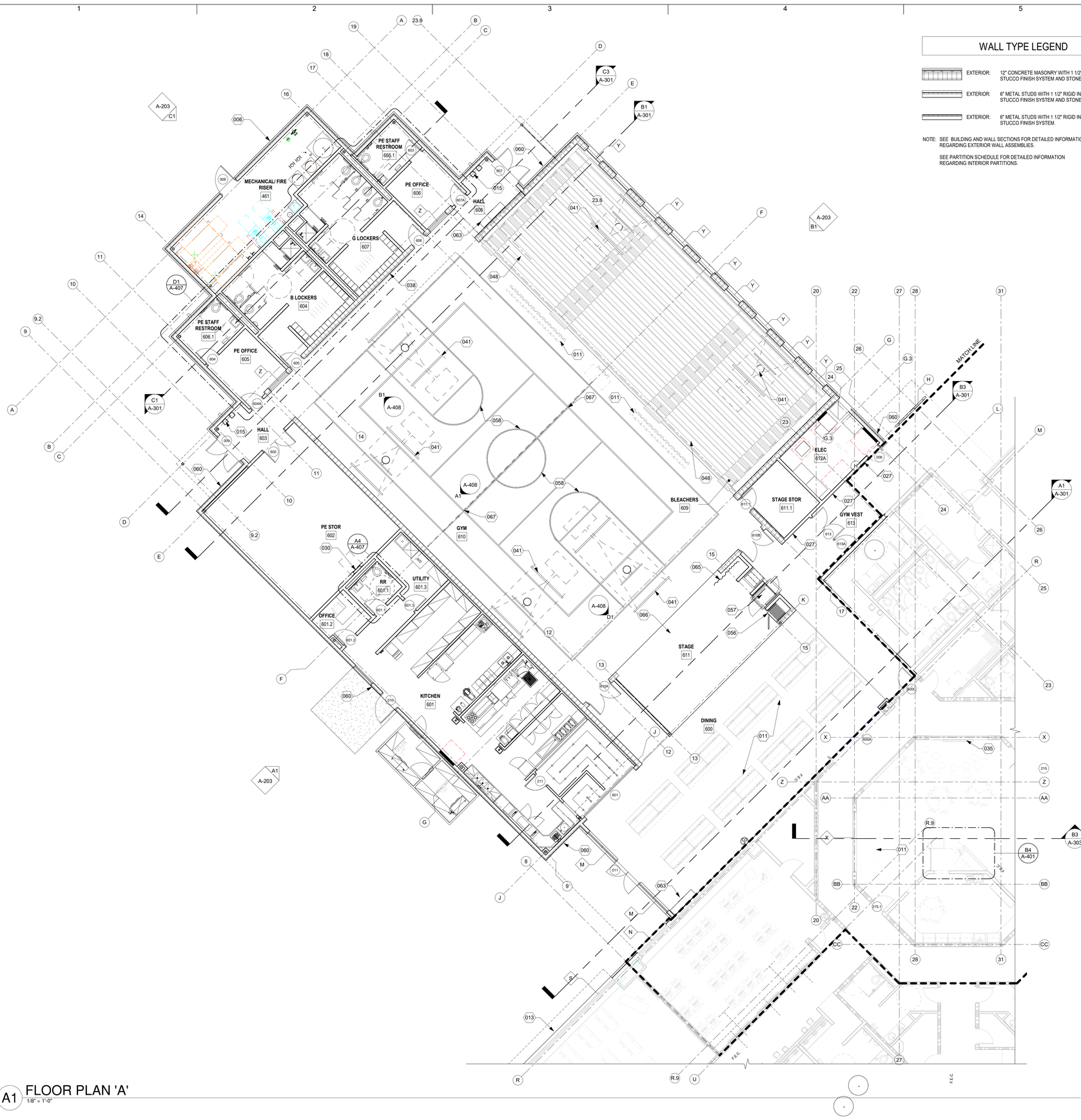
School Information



WALL TYPE LEGEND

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- EXTERIOR: 6" METAL STUDS WITH 1 1/2" RIGID INSULATION, STUCCO FINISH SYSTEM.

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GENERAL NOTES

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J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

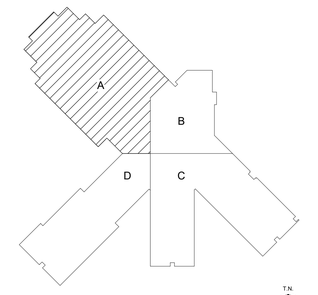
M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

SYMBOL LEGEND

- XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- Ref / 1 / 1 A101 1 / 1 / Ref — BUILDING ELEVATION
- 1Ref / 1Ref A101 1Ref / 1Ref — INTERIOR ELEVATION
- 1 SIM / A101 — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- x — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

KEYED NOTES

006 FIRE DEPARTMENT CONNECTION LOCATION.
011 DASHED FURNISHINGS NOT IN CONTRACT.
013 DASHED LINE INDICATES CANOPY / SUNSHADE ABOVE. SEE REFLECTED CEILING PLAN AND ROOF PLAN.
015 DUAL HEIGHT WATER COOLER STATION. SEE PLUMBING.
027 POWER ACTUATED DOOR OPENER SWITCH BUTTON. COORDINATE WIRING RUN THROUGH DOOR FRAME. SEE HARDWARE SCHEDULE AND COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS. INSTALL PNEUMATIC CONTROL BOX FOR DOOR OPERATOR ABOVE CEILING. MOUNT SWITCH PER ANSI STANDARDS.
030 ROOF ACCESS LADDER AND HATCH. SEE ROOF DETAILS A-141.
035 WALL MOUNTED SMART BOARD, PROVIDED BY OWNER. SEE ELECTRICAL AND SPECIAL SYSTEMS FOR POWER AND ROUGH-IN REQUIREMENTS. SEE INTERIOR ELEVATIONS.
038 DASHED LINE INDICATES EXTENT OF PROTECTIVE WALL PADDING TO 8'-0" A.F.F.
041 MOTORIZED RETRACTABLE CEILING MOUNTED BASKETBALL BACKSTOP. SEE RCP. SEE STRUCTURAL.
048 TELESCOPIC BLEACHER SYSTEM. SEE ELECTRICAL.
056 OPERABLE FOLDING STAGE PARTITION.
057 AUTOMATED STAGE WHEELCHAIR LIFT.
058 2" BASKETBALL COURT AND VOLLEYBALL COURT STRIPING. SEE ID SHEETS.
060 WALL MOUNTED SIGNAGE TO READ - NO SMOKING/ VAPING WITHIN 25 FEET.
063 RECYCLE/ TRASH COMBO CONTAINER.
065 STAGE CURTAIN AND HARDWARE.
066 RAISED STAGE PLATFORM. SEE BUILDING AND WALL SECTIONS.
067 VOLLEYBALL POST INSET LOCATION.



KEY PLAN N.T.S.

A1 FLOOR PLAN 'A'
1/8" = 1'-0"

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ISSUE:	
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DRAWN BY:	FBT
CHECKED BY:	JT

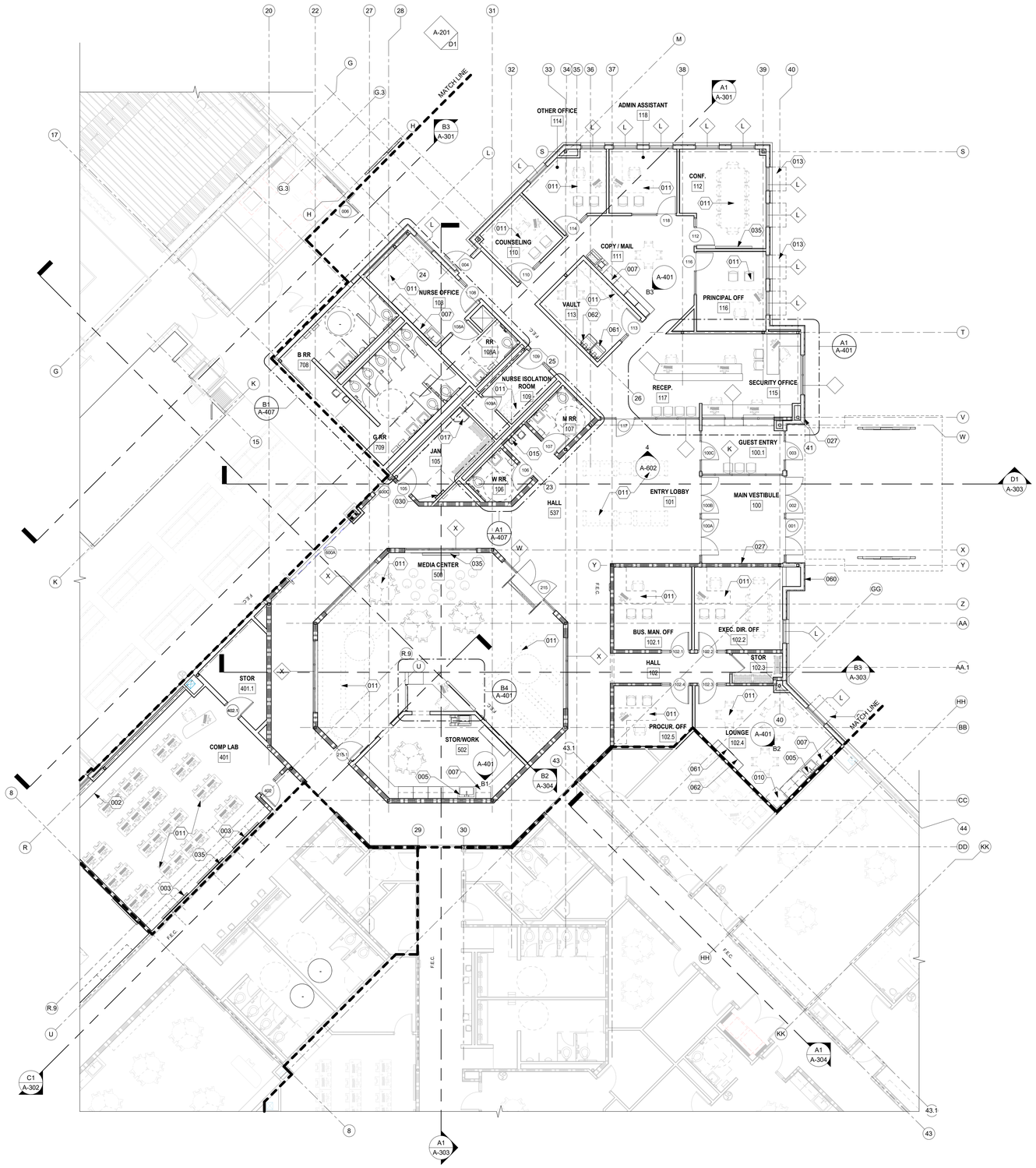
SHEET TITLE

FLOOR PLAN A

A-101A

10/8/2020 12:00:36 PM

School Information



A1 FLOOR PLAN 'B'
1/8" = 1'-0"

GENERAL NOTES

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K. SEE PARTITION TYPES A-501.

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M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

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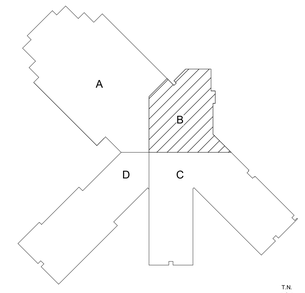
- 1Ref / 1Ref A101 1Ref / 1Ref — INTERIOR ELEVATION
- SIM 1 A101 — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- x — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

KEYED NOTES

002 AIR DISTRIBUTION SYSTEM ENCLOSED IN PLASTIC LAMINATE CASEWORK. SEE ENLARGED PLANS AND ELEVATIONS. SEE MECHANICAL.
003 4'-0" HIGH DRY ERASE MARKER BOARD. SEE ENLARGED PLANS AND ELEVATIONS FOR MOUNTING HEIGHTS AND BOARD WIDTHS. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED.
005 ACCESSIBLE SINK. SEE PLUMBING.
007 CASEWORK, UPPER AND LOWER CABINETS WHERE SHOWN. SEE ENLARGED PLANS AND ELEVATIONS. PROVIDE SOLID BLOCKING IN WALL AS REQUIRED.
010 DASHED EQUIPMENT NOT IN CONTRACT. FURNISH AND INSTALL ALL REQUIRED ROUGH INS. SEE MECHANICAL, ELECTRICAL AND PLUMBING.
011 DASHED FURNISHINGS NOT IN CONTRACT.
013 DASHED LINE INDICATES CANOPY / SUNSHADE ABOVE. SEE REFLECTED CEILING PLAN AND ROOF PLAN.
015 DUAL HEIGHT WATER COOLER STATION. SEE PLUMBING.
017 FLOOR DRAIN / FLOOR SINK. SEE PLUMBING.
027 POWER ACTUATED DOOR OPENER SWITCH BUTTON. COORDINATE WIRING RUN THROUGH DOOR FRAME. SEE HARDWARE SCHEDULE AND COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS. INSTALL PNEUMATIC CONTROL BOX FOR DOOR OPERATOR ABOVE CEILING. MOUNT SWITCH PER ANSI STANDARDS.
030 ROOF ACCESS LADDER AND HATCH. SEE ROOF DETAILS A-141.
035 WALL MOUNTED SMART BOARD, PROVIDED BY OWNER. SEE ELECTRICAL AND SPECIAL SYSTEMS FOR POWER AND ROUGH-IN REQUIREMENTS. SEE INTERIOR ELEVATIONS.
060 WALL MOUNTED SIGNAGE TO READ - NO SMOKING/ VAPING WITHIN 25 FEET.
061 RECYCLE PLASTIC BIN.
062 RECYCLE PAPER BIN.



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SHEET TITLE

FLOOR PLAN B

A-101B

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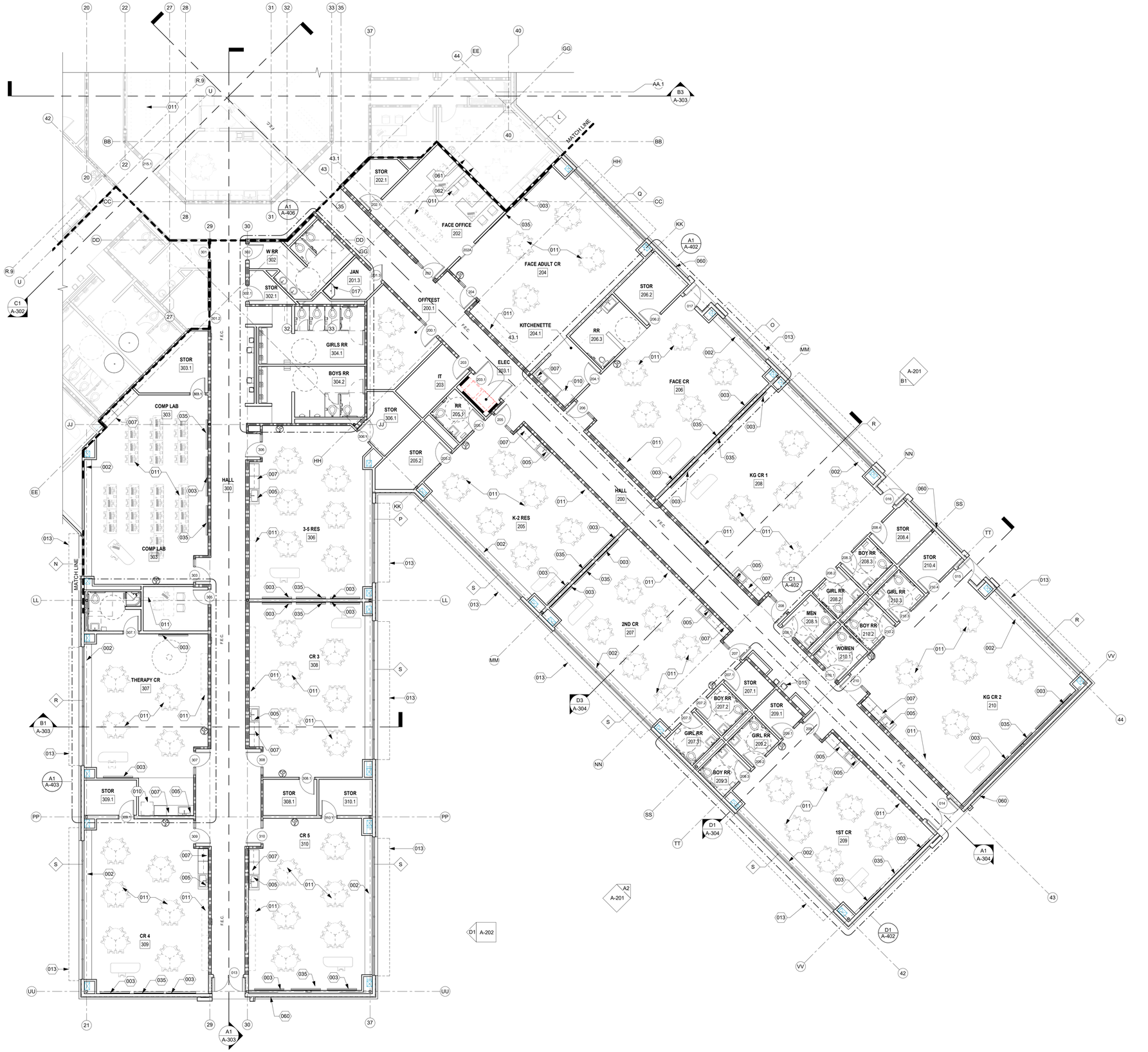
School Information

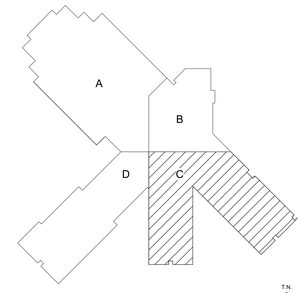


A1 FLOOR PLAN 'C'

1/8" = 1'-0"

KEY PLAN

N.T.S.



GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

SYMBOL LEGEND

- XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- Ref / 1 / A101 — BUILDING ELEVATION
- 1Ref / A101 — INTERIOR ELEVATION
- SIM / 1 / A101 — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- X — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

KEYED NOTES

002 AIR DISTRIBUTION SYSTEM ENCLOSED IN PLASTIC LAMINATE CASEWORK. SEE ENLARGED PLANS AND ELEVATIONS. SEE MECHANICAL.
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FLOOR PLAN C

A-101C

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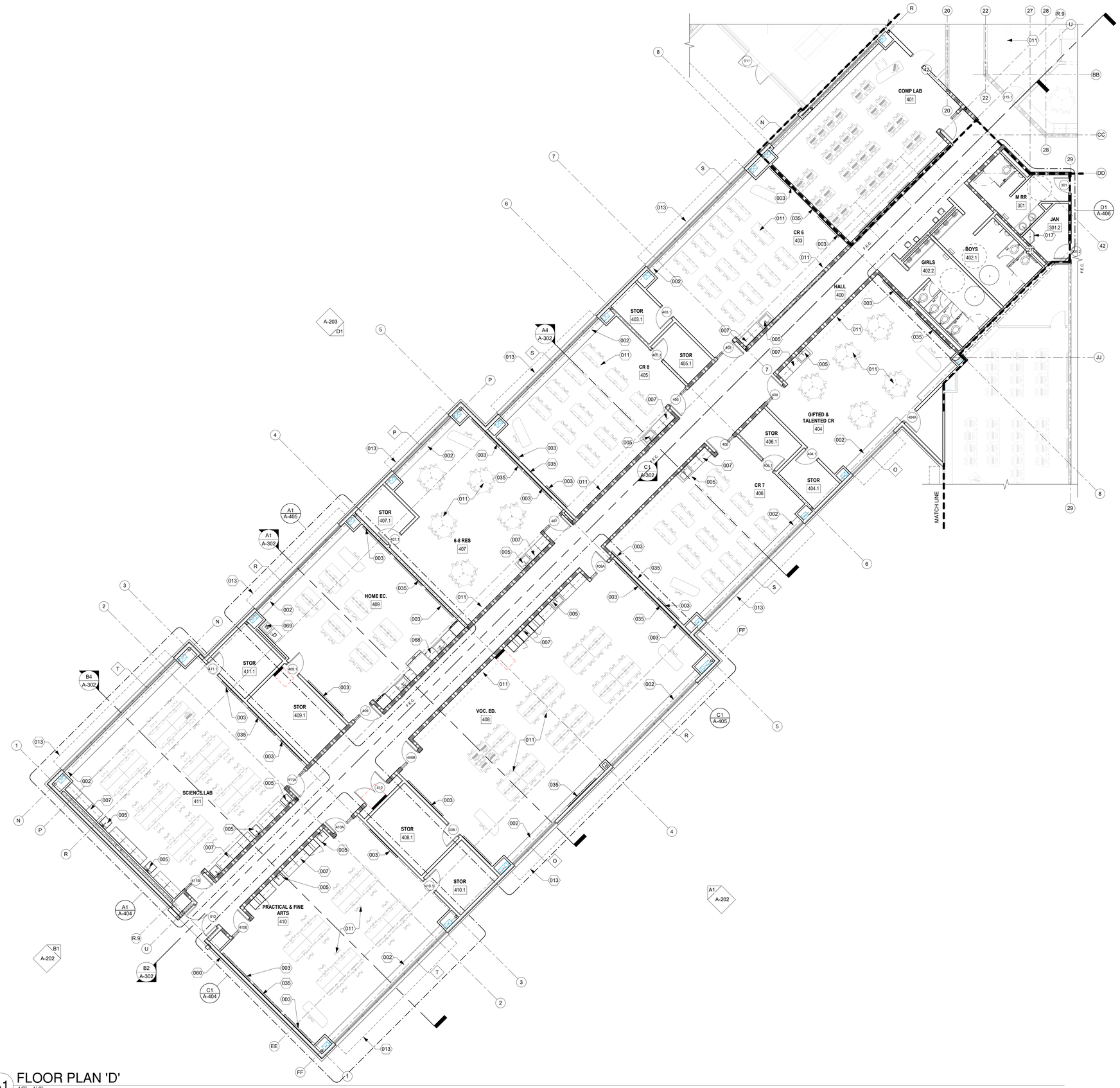

A1 FLOOR PLAN 'D'
1/8" = 1'-0"

GENERAL NOTES

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B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

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E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

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J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

SYMBOL LEGEND

- XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- Ref / 1 / A101 — BUILDING ELEVATION
- 1Ref / A101 — INTERIOR ELEVATION
- 1 / A101 SIM — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- X — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

KEYED NOTES

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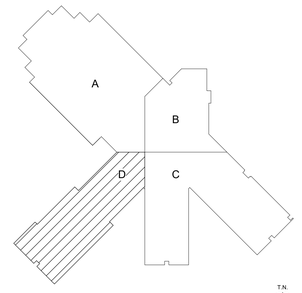
060 WALL MOUNTED SIGNAGE TO READ - NO SMOKING/ VAPING WITHIN 25 FEET.
068 DEMONSTRATION KITCHEN. SEE ENLARGED PLANS AND ELEVATIONS.
069 OWNER PROVIDED WASHER AND DRYER.



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FLOOR PLAN D

A-101D

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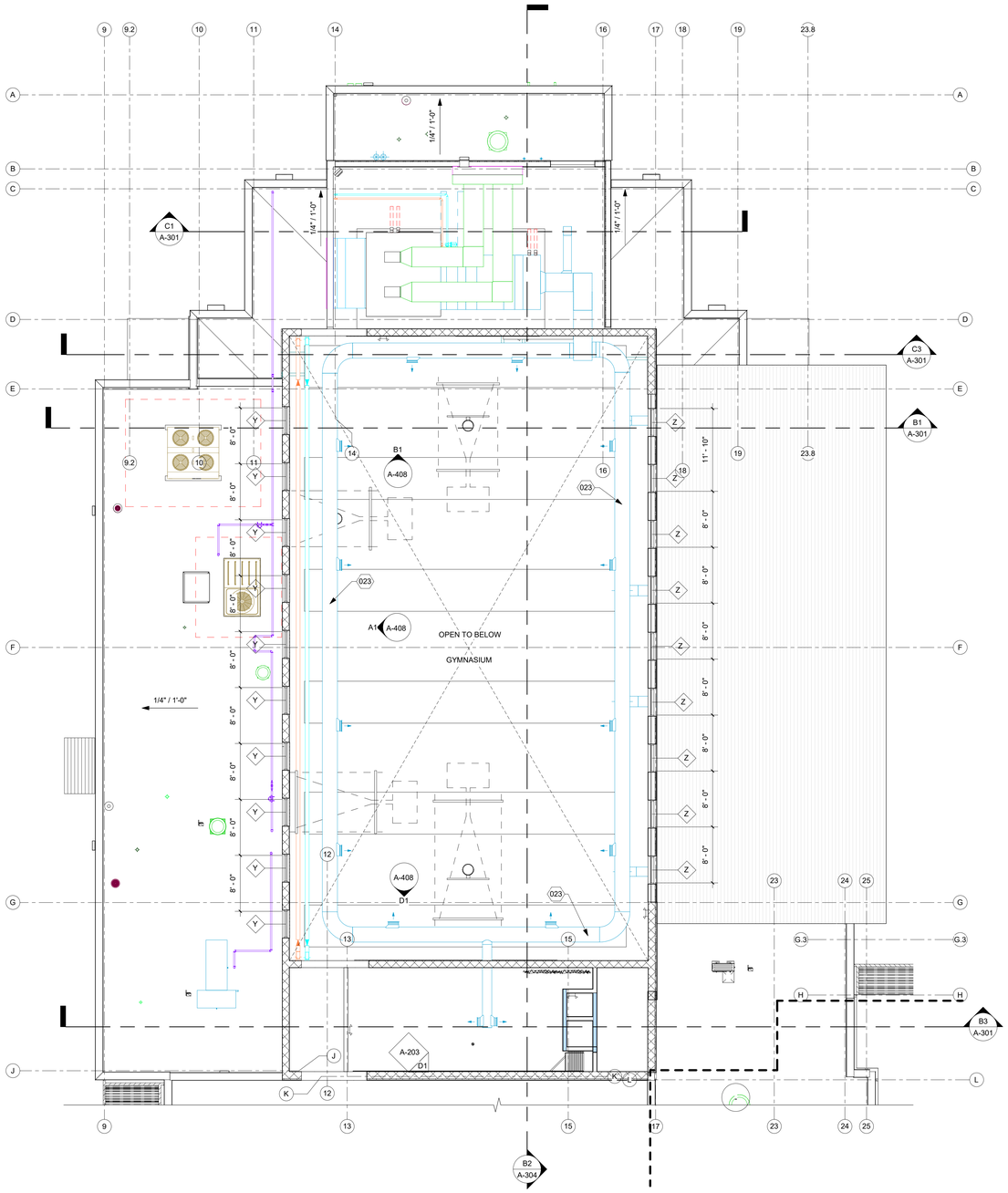
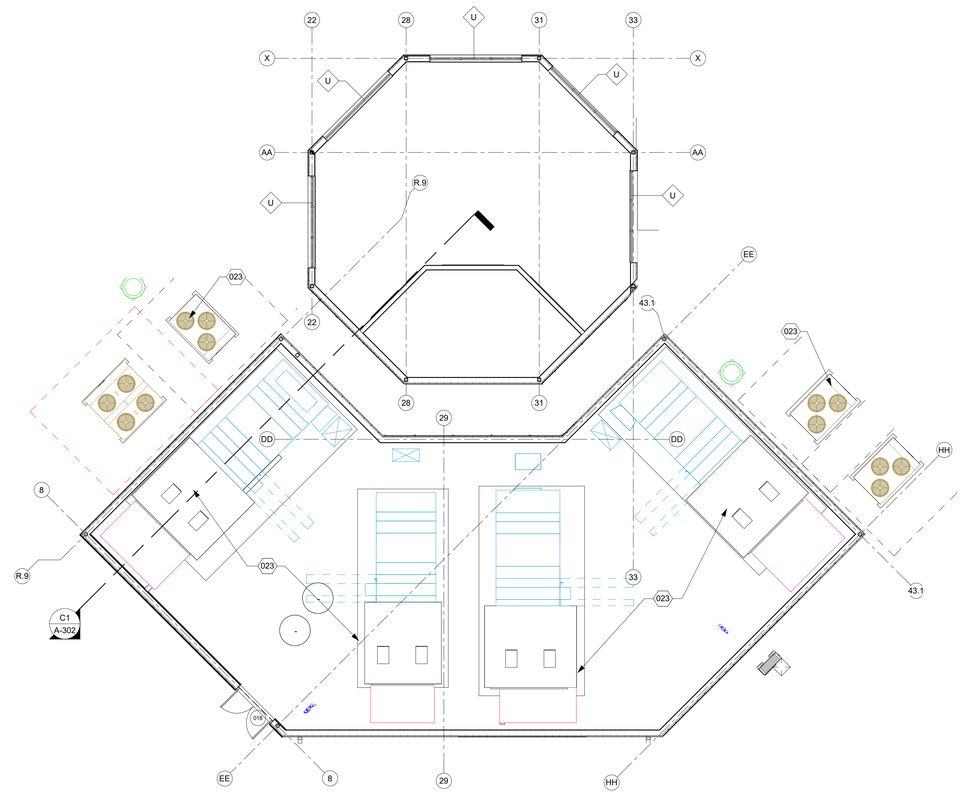
School Information



A1 FLOOR PLAN - CLERESTORY AND PENTHOUSE 'B'
1/8" = 1'-0"



E5 FLOOR PLAN - PENTHOUSE 'A'
1/8" = 1'-0"

SYMBOL LEGEND

- DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- BUILDING ELEVATION
- INTERIOR ELEVATION
- BUILDING/ WALL SECTION
- STRUCTURAL GRID
- WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

GENERAL NOTES

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FLOOR PLAN - CLERESTORY

A-102

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School Information

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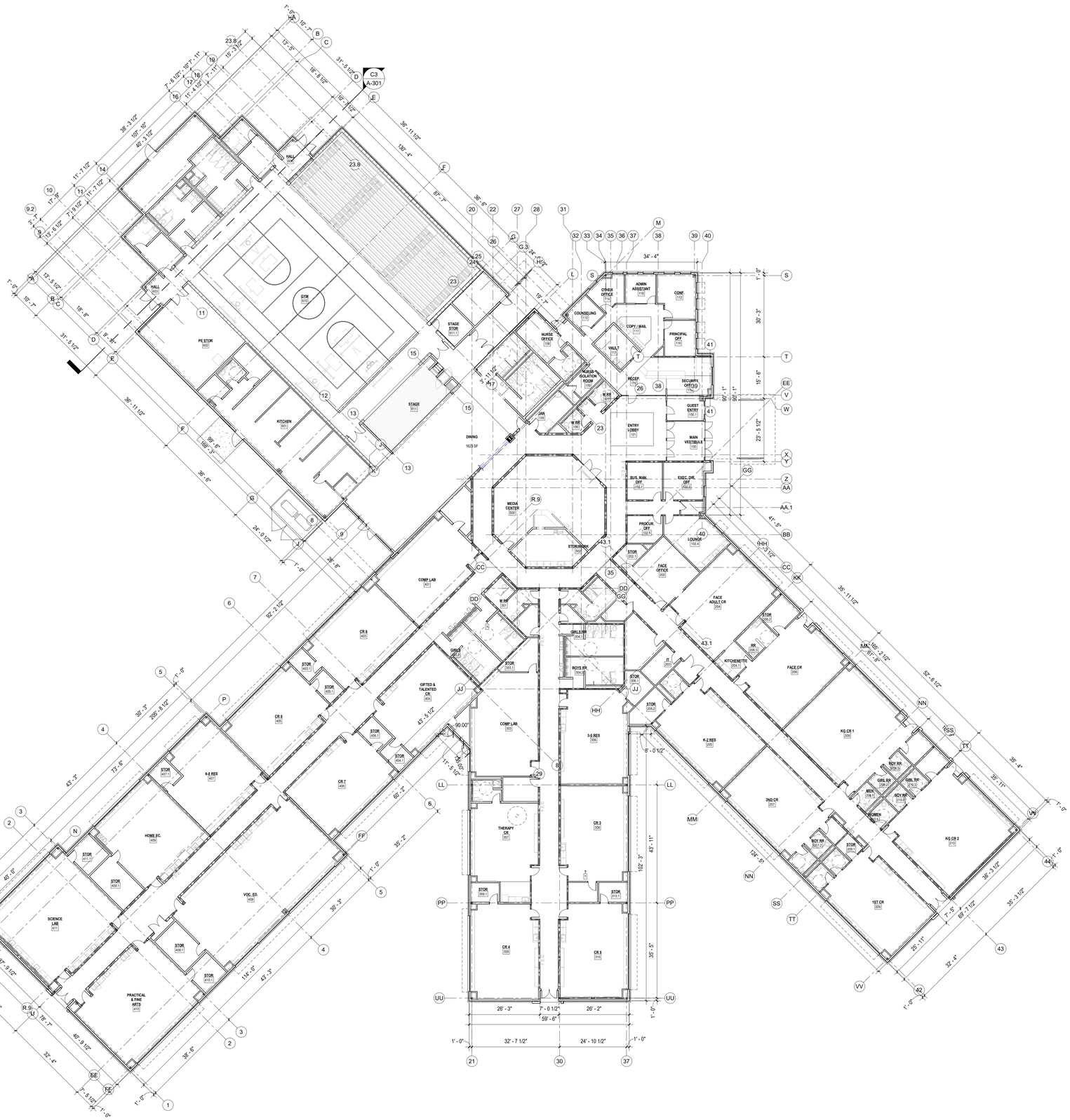
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CONF. 112
COUNSELING 110
COPY / MAIL 113
PRINCIPAL OFF. 118
VAULT 111
NURSE OFFICE 108
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RECEP. 103
SECURITY OFF. 117
W.RR 107
W.RR 109
JAN 105
GUEST ENTRY 100.1
ENTRY LOBBY 101
MAIN VESTIBULE 102
DINING 1623 SF
BUS. MAN. OFF. 218.1
EXEC. DIR. OFF. 218.2
MEDIA CENTER 500
STOR/WORK 502
PROCUR. OFF. 132.5
LOUNGE 132.4
STOR 202.1
FACE OFFICE 202
FACE ADULT CR 204
STOR 206.2
RR 206.3
KITCHENETTE 204.1
FACE CR 206
COMP. LAB 401
CR 6 405
STOR 403.1
STOR 404.1
GIFTED & TALENTED CR 404
STOR 406.1
STOR 407.1
4-5 RES 407
CR 7 406
HOME EC. 409
STOR 411.1
STOR 409.1
SCIENCE LAB 411
STOR 408.1
STOR 410.1
PRACTICAL & FINE ARTS 410
COMP. LAB 303
M RR 301
GIRLS RR 304.1
BOYS RR 304.2
STOR 303.1
STOR 305.1
STOR 304.1
IT 203
STOR 306.1
STOR 205.2
3-5 RES 306
K-2 RES 205
KG CR 1 206
BOY RR 206.1
GIRL RR 206.2
GIRL RR 216.2
MEN 216.1
BOY RR 216.3
WOMEN 216.3
2ND CR 207
BOY RR 207.1
STOR 208.1
KG CR 2 208
1ST CR 209
THERAPY CR 307
CR 3 308
CR 4 309
CR 5 310
STOR 309.1
STOR 310.1
PE STOR 402
GYM 400
HALL 403
HALL 404
STAGE 401
STAGE STOR 401.1
KITCHEN 501
STOR 503.1
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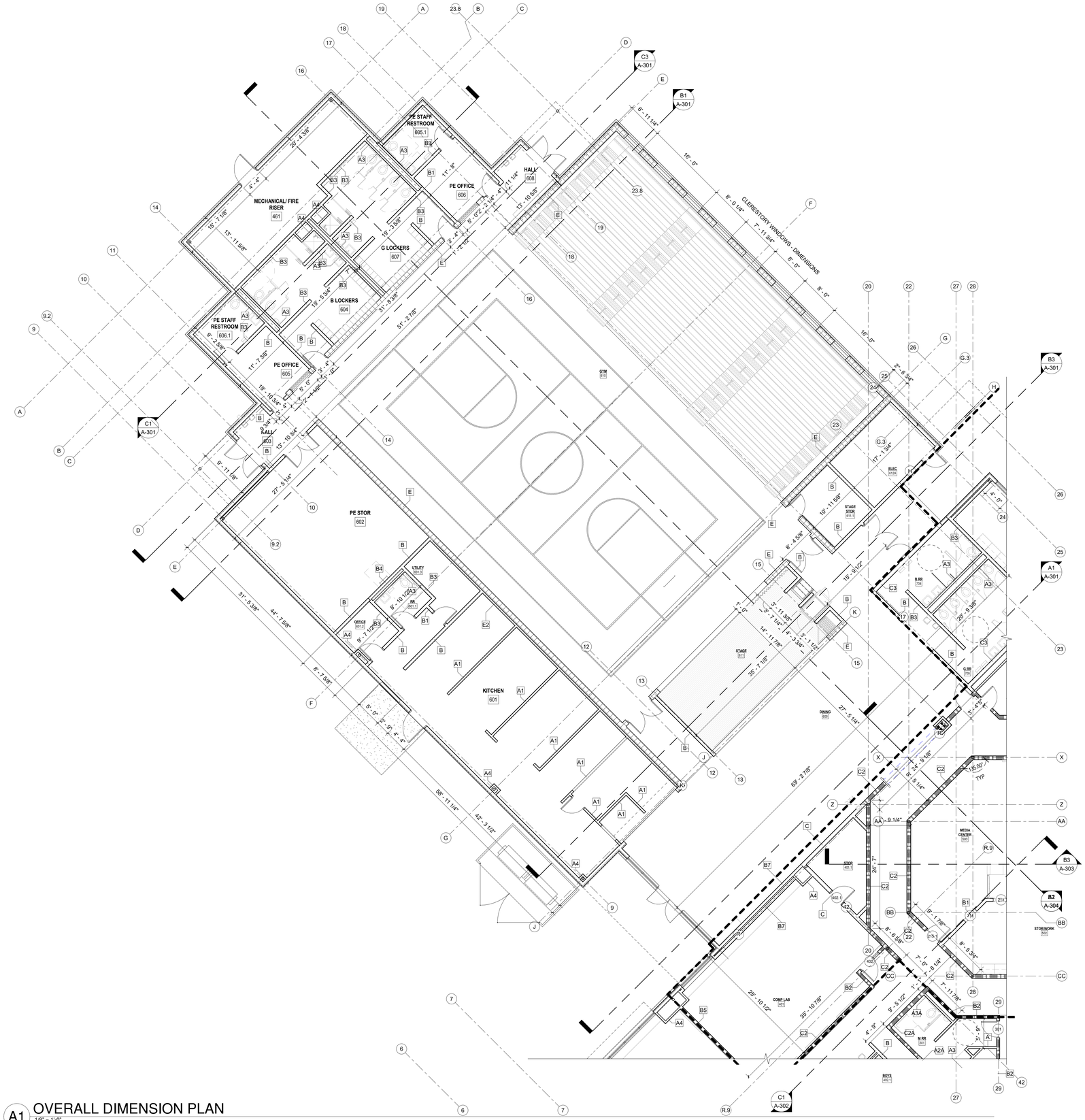

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF STEEL STUDS OR MASONRY, UNLESS NOTED OTHERWISE.

B. REFER TO ENLARGED PLAN FOR ADDITIONAL DIMENSIONS & DETAILED SPACE LAYOUTS.

C. SEE SITE PLAN FOR BUILDING LOCATION LAYOUT.

D. SEE PARTITION DETAILS SHEET A-501 FOR PARTITION INFORMATION.

E. SEE ANSI GUIDELINES FOR INFORMATION REGARDING ACCESSIBILITY REQUIREMENTS.

F. SEE FLOOR PLANS, REFLECTED CEILING PLANS, AND ID SHEETS FOR FLOOR, WALL AND CEILING INFORMATION.

G. COLUMN GRIDS "I" AND "O" ARE NOT USED.

H. FURNISH AND INSTALL 5/8" FIBERROCK VHI TYPE "X" GYP. BOARD TO 8'-0" F.F AT ALL CORRIDOR AND VESTIBULE WALL LOCATIONS.

I. FURNISH AND INSTALL LEVEL 4 DRYWALL FINISH AT ALL LOCATIONS OR ERASE-RITE AND TACK WALL COVERINGS.

SYMBOL LEGEND

- XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- Ref / 1 / A101 — BUILDING ELEVATION
- 1Ref / 1 / A101 — INTERIOR ELEVATION
- SIM / 1 / A101 — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- x — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

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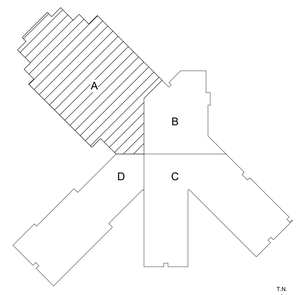
SHEET TITLE

DIMENSION PLAN 'A'

A-112

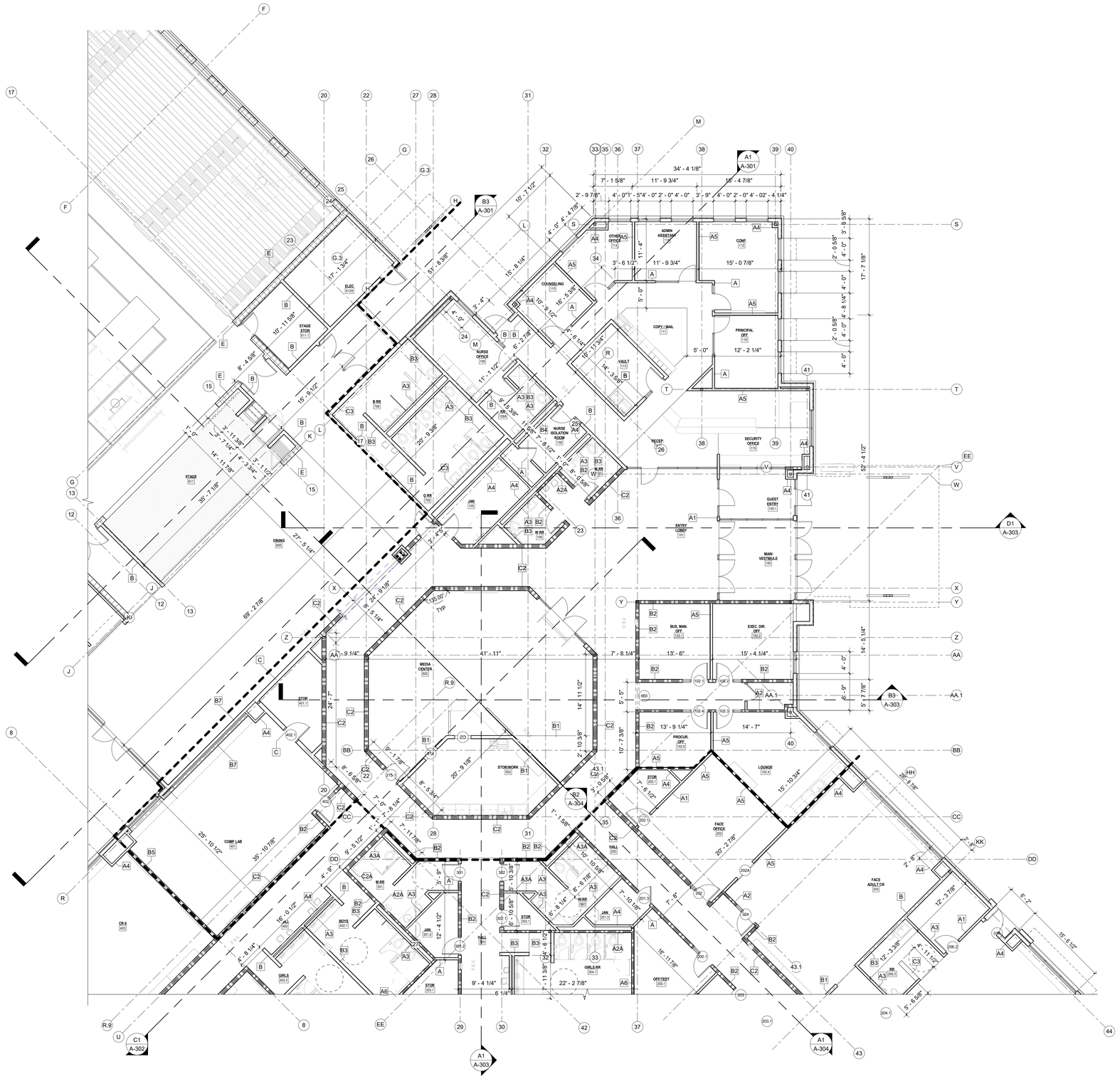


KEY PLAN N.T.S.

A1 OVERALL DIMENSION PLAN
1/8" = 1'-0"

10/8/2020 12:01:42 PM

School Information



A1 OVERALL DIMENSION PLAN
1/8" = 1'-0"

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF STEEL STUDS OR MASONRY, UNLESS NOTED OTHERWISE.

B. REFER TO ENLARGED PLAN FOR ADDITIONAL DIMENSIONS & DETAILED SPACE LAYOUTS.

C. SEE SITE PLAN FOR BUILDING LOCATION LAYOUT.

D. SEE PARTITION DETAILS SHEET A-501 FOR PARTITION INFORMATION.

E. SEE ANSI GUIDELINES FOR INFORMATION REGARDING ACCESSIBILITY REQUIREMENTS.

F. SEE FLOOR PLANS, REFLECTED CEILING PLANS, AND ID SHEETS FOR FLOOR, WALL AND CEILING INFORMATION.

G. COLUMN GRIDS "I" AND "O" ARE NOT USED.

H. FURNISH AND INSTALL 5/8" FIBERROCK VHI TYPE "X" GYP. BOARD TO 8'-0" F.F AT ALL CORRIDOR AND VESTIBULE WALL LOCATIONS.

I. FURNISH AND INSTALL LEVEL 4 DRYWALL FINISH AT ALL LOCATIONS OR ERASE-RITE AND TACK WALL COVERINGS.

SYMBOL LEGEND

XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)

Ref / Ref A101 Ref / Ref — BUILDING ELEVATION

1Ref / 1Ref A101 1Ref / 1Ref — INTERIOR ELEVATION

1 A101 SIM — BUILDING/ WALL SECTION

X — STRUCTURAL GRID

X — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)

X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)

F.E.C — FIRE EXTINGUISHER

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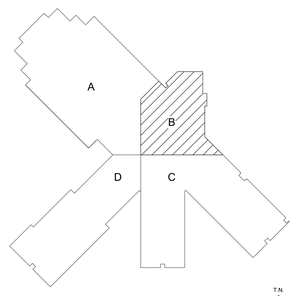
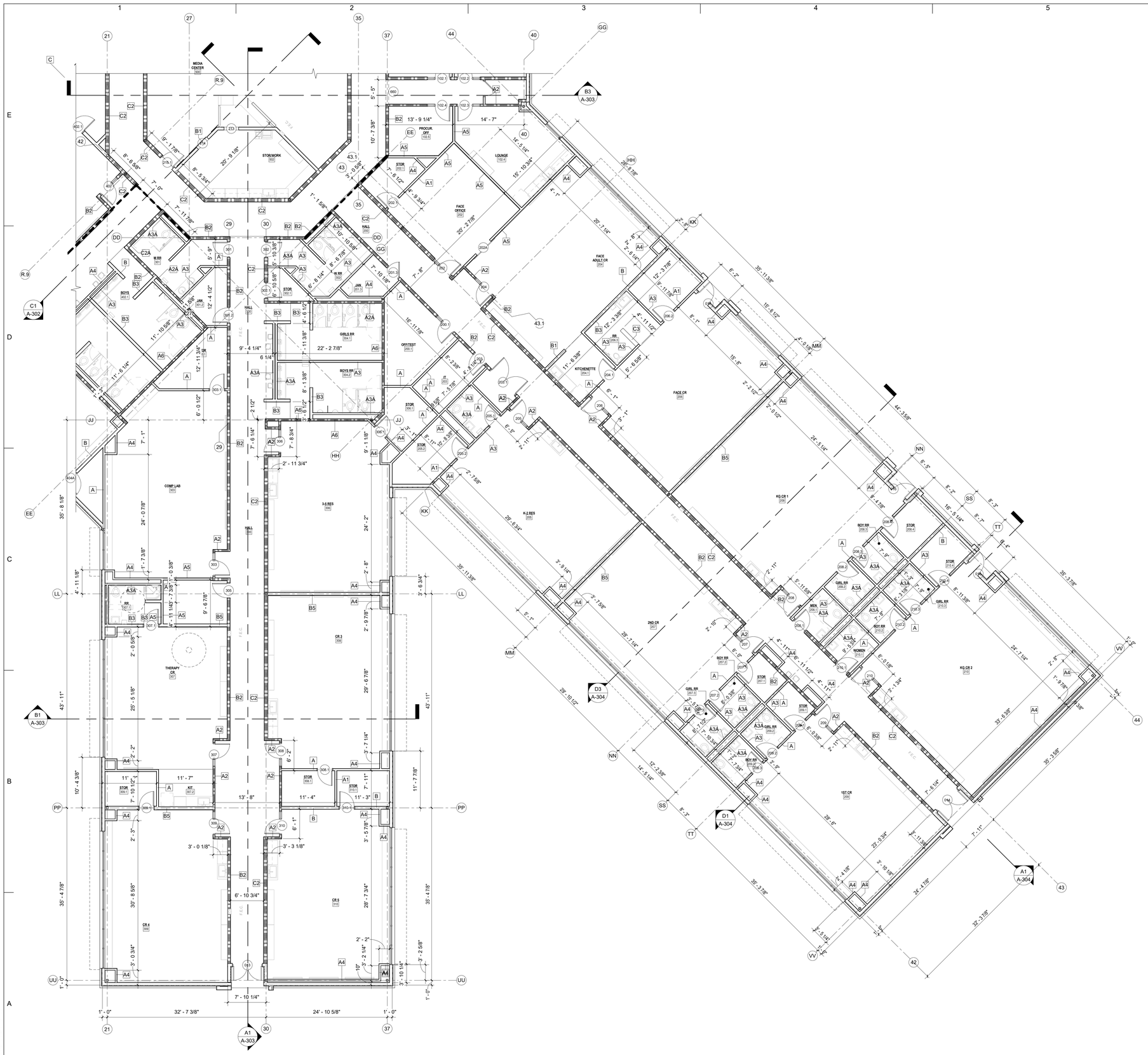
SHEET TITLE
DIMENSION PLAN 'B'



KEY PLAN N.T.S.

A-113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STOR/WORK 660
PROCUR. OFF 102.5
LOUNGE 102.4
FACE OFFICE 202
HALL 200
FACE ADULT CR 204.1
FACE CR 205
KITCHENETTE 204.2
OFF/TEST 200.1
GIRLS RR 204.3
BOYS RR 304.2
COMP LAB 303
3-5 RES 306
K-2 RES 205
HALL 305
CR 3 308
CR 5 310
CR 4 309
THERAPY CR 307
HALL 202
KG CR 1 209
BOY RR 208.3
STOR 208.4
GIRL RR 208.2
MEN 208.1
WOMEN 210.1
GIRL RR 210.2
BOY RR 210.3
STOR 210.4
KG CR 2 210
GIRL RR 207.3
BOY RR 207.2
STOR 207.1
GIRL RR 206.2
BOY RR 206.3
STOR 206.1
2ND CR 207
1ST CR 206
STOR 206.4
GIRL RR 206.5
STOR 206.6
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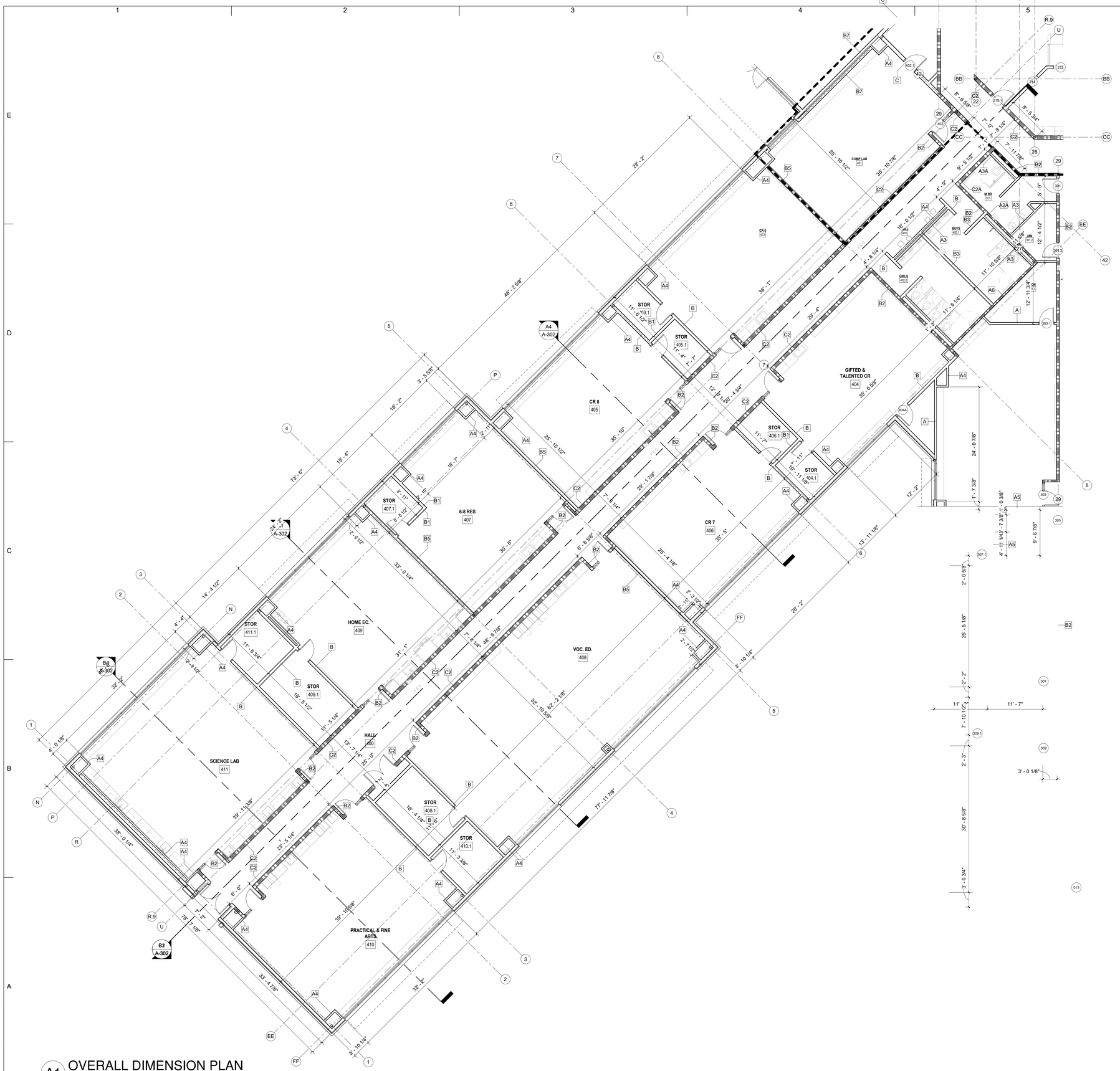
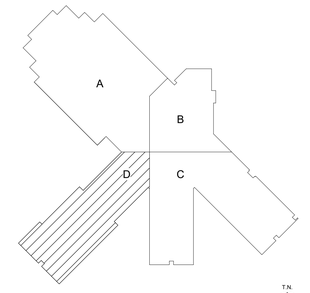


A1 OVERALL DIMENSION PLAN
1/8" = 1'-0"



KEY PLAN N.T.S.

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF STEEL STUDS OR MASONRY, UNLESS NOTED OTHERWISE.

B. REFER TO ENLARGED PLAN FOR ADDITIONAL DIMENSIONS & DETAILED SPACE LAYOUTS.

C. SEE SITE PLAN FOR BUILDING LOCATION LAYOUT.

D. SEE PARTITION DETAILS SHEET A-501 FOR PARTITION INFORMATION.

E. SEE ANSI GUIDELINES FOR INFORMATION REGARDING ACCESSIBILITY REQUIREMENTS.

F. SEE FLOOR PLANS, REFLECTED CEILING PLANS, AND ID SHEETS FOR FLOOR, WALL AND CEILING INFORMATION.

G. COLUMN GRIDS "I" AND "O" ARE NOT USED.

H. FURNISH AND INSTALL 5/8" FIBERROCK VHI TYPE "X" GYP. BOARD TO 8'-0" F.F AT ALL CORRIDOR AND VESTIBULE WALL LOCATIONS.

I. FURNISH AND INSTALL LEVEL 4 DRYWALL FINISH AT ALL LOCATIONS OR ERASE-RITE AND TACK WALL COVERINGS.

SYMBOL LEGEND

- XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)
- Ref / 1 / A101 — BUILDING ELEVATION
- 1Ref / A101 — INTERIOR ELEVATION
- SIM / 1 / A101 — BUILDING/ WALL SECTION
- X — STRUCTURAL GRID
- x — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)
- X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)
- F.E.C — FIRE EXTINGUISHER

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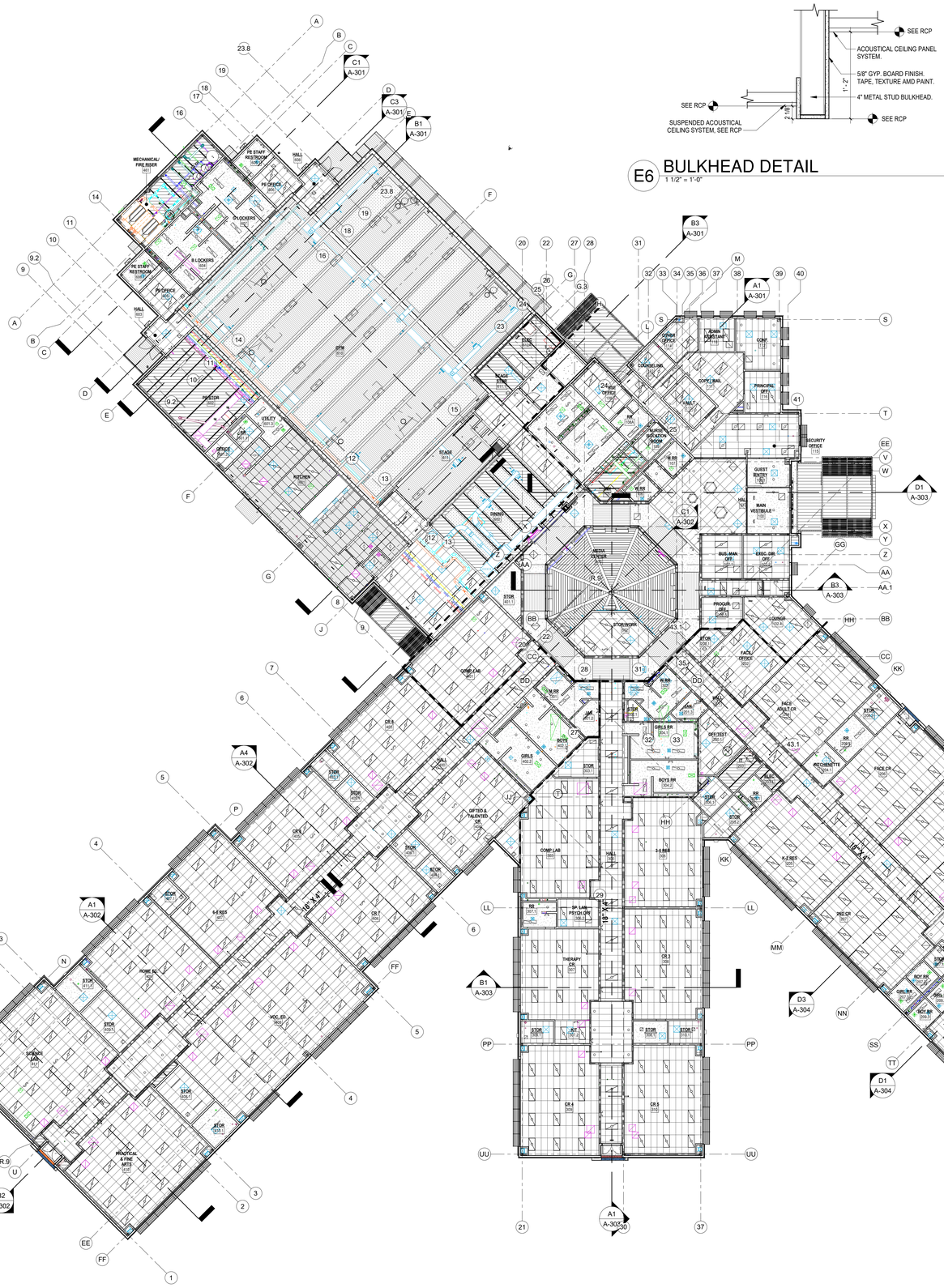
DIMENSION PLAN 'D'

A-115

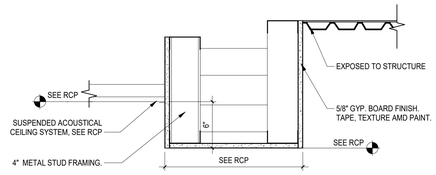
10/8/2020 12:02:03 PM

School Information

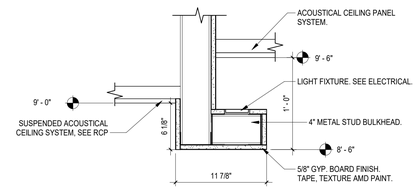


A1 OVERALL REFLECTED CEILING PLAN
1/16" = 1'-0"

E6 BULKHEAD DETAIL
1 1/2" = 1'-0"



E5 SOFFIT DETAIL
1 1/2" = 1'-0"



D5 LIGHTING @ SOFFIT
1 1/2" = 1'-0"

GENERAL NOTES

A. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

B. CONTROL DRYWALL TEXTURE OVER SPRAY AT ALL LOCATIONS OF EXPOSED CEILING. ENSURE NO OVER SPRAY ON STRUCTURE AND/OR BATT INSULATION.

C. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION WORK TO ACCOMPLISH CEILING HEIGHTS. NOTIFY ARCHITECTS OF ANY CONFLICTS PRIOR TO INSTALLATION.

D. EXACT LOCATION OF SPRINKLER HEADS AND ALL SPECIAL SYSTEMS EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT PRIOR TOSYSTEM INSTALLATION. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILE.

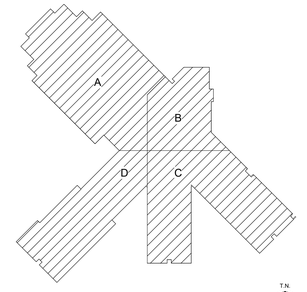
E. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH MECHANICAL AND PLUMBING.

F. ALL DIMENSIONS ARE TO FACE OF FINISH.

REFLECTED CEILING LEGEND

- 1 / A101 SIM — BUILDING /WALL SECTION
- SPOT ELEVATION
- GYPSUM BOARD CEILING, TAPE, TEXTURE AND PAINT.
- 2' X 4' ACOUSTIC. LAY-IN CEILING TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- 2' X 4' ACOUSTIC. LAY-IN CEILING VINYL FACED TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- EXPOSED TONGUE AND GROOVE WOOD DECKING AND GLULAM BEAMS. SEE DETAILS XX/A-XXX
- LAY-IN WOOD CEILING SYSTEM
- SUPPLY AIR DIFFUSER. SEE MECHANICAL.
- RETURN AIR DIFFUSER. SEE MECHANICAL.
- LIGHT FIXTURES. NOT ALL TYPES SHOWN IN THIS LEGEND. SEE ELECTRICAL FOR COMPLETE FIXTURE SCHEDULE

NOTE: REFER ALSO TO ELECTRICAL AND MECHANICAL DRAWINGS FOR REFLECTED CEILING PLAN ITEMS NOT SHOWN OR NOTED ON ARCHITECTURAL REFLECTED CEILING PLANS



KEY PLAN N.T.S.

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OVERALL REFLECTED CEILING PLAN

A-120

School information

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GENERAL NOTES

A. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

B. CONTROL DRYWALL TEXTURE OVER SPRAY AT ALL LOCATIONS OF EXPOSED CEILING. ENSURE NO OVER SPRAY ON STRUCTURE AND/OR BATT INSULATION.

C. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION WORK TO ACCOMPLISH CEILING HEIGHTS. NOTIFY ARCHITECTS OF ANY CONFLICTS PRIOR TO INSTALLATION.

D. EXACT LOCATION OF SPRINKLER HEADS AND ALL SPECIAL SYSTEMS EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT PRIOR TOSYSTEM INSTALLATION. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILE.

E. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH MECHANICAL AND PLUMBING.

F. ALL DIMENSIONS ARE TO FACE OF FINISH.

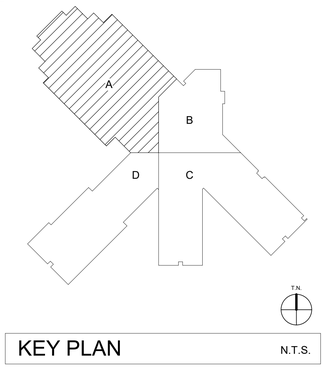
REFLECTED CEILING LEGEND

- 1 / A101 SIM — BUILDING /WALL SECTION
- SPOT ELEVATION
- GYPSUM BOARD CEILING, TAPE, TEXTURE AND PAINT.
- 2' X 4' ACOUSTIC. LAY-IN CEILING TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- 2' X 4' ACOUSTIC. LAY-IN CEILING VINYL FACED TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- EXPOSED TONGUE AND GROOVE WOOD DECKING AND GLULAM BEAMS. SEE DETAILS XX/A-XXX
- LAY-IN WOOD CEILING SYSTEM
- SUPPLY AIR DIFFUSER. SEE MECHANICAL.
- RETURN AIR DIFFUSER. SEE MECHANICAL.
- LIGHT FIXTURES. NOT ALL TYPES SHOWN IN THIS LEGEND. SEE ELECTRICAL FOR COMPLETE FIXTURE SCHEDULE

NOTE: REFER ALSO TO ELECTRICAL AND MECHANICAL DRAWINGS FOR REFLECTED CEILING PLAN ITEMS NOT SHOWN OR NOTED ON ARCHITECTURAL REFLECTED CEILING PLANS

KEYED NOTES

077 EXTERIOR STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS. COLOR TO BE SELECTED BY ARCHITECT.
078 ROUGH-IN FOR ELECTRONIC SCOREBOARD. SEE ELECTRICAL.
080 EXPOSED TO STRUCTURE. PAINT ALL STRUCTURAL ELEMENTS INCLUDING DECK AND, ELECTRICAL, MECHANICAL AND FIRE PROTECTION ITEMS, COLOR TO BE SELECTED BY ARCHITECT.
081 CURTAIN DIVIDER MOUNTED TO STRUCTURE.
086 METAL PANEL SOFFIT AT ROOF OVERHANG. SEE ROOF DETAILS.
087 ROOF ACCESS LADDER AND HATCH. PAINT ALL EXDPOSED STEEL. SEE ROOF DETAILS.
094 GYP BOARD SOFFIT. SEE DETAIL E5/A-121B.
095 SURFACE MOUNTED ACOUSTICAL TECTUM PANEL. SEE SPECIFICATIONS. FINAL COLORS TO BE SELECTED BY ARCHITECT.
104 EXTERIOR CANOPY. PAINT ALL EXPOSED STEEL. SEE BUILDING AND WALL SECTIONS. SEE STRUCTURAL.
105 MASONRY OPENING. SEE STRUCTURAL.
106 KITCHEN HOOD. SEE FOOD SERVICE DRAWINGS.



KEY PLAN N.T.S.

A1 REFLECTED CEILING PLAN 'A'
1/8" = 1'-0"

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REFLECTED CEILING PLAN 'A'

A-121A

School Information

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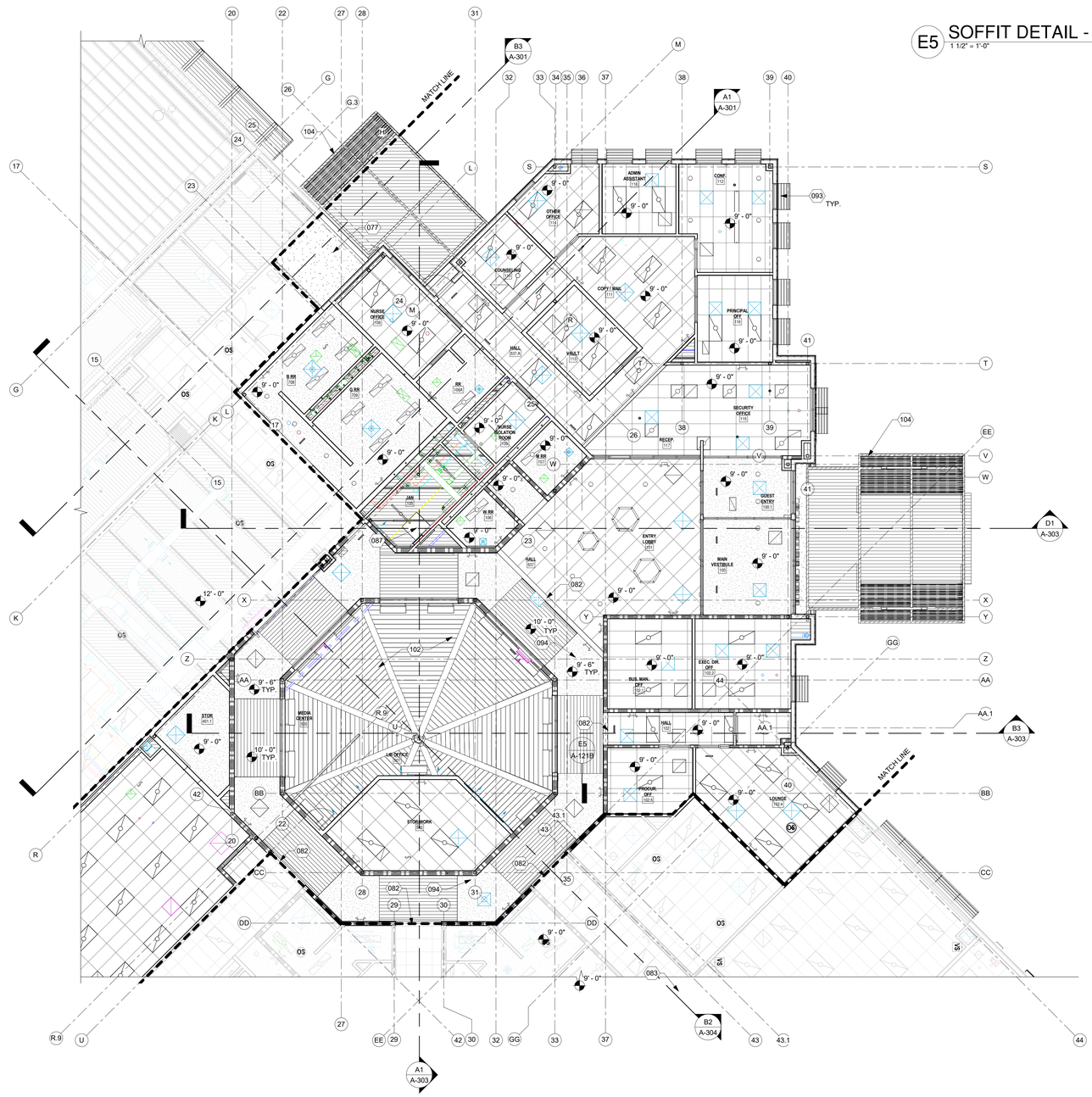
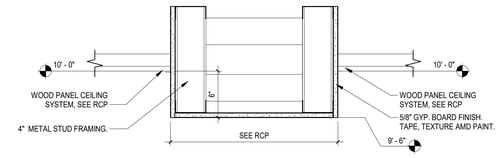


A1 REFLECTED CEILING PLAN 'B'
1/8" = 1'-0"



E5 SOFFIT DETAIL - WOOD CEILING
1 1/2" = 1'-0"

GENERAL NOTES

A. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

B. CONTROL DRYWALL TEXTURE OVER SPRAY AT ALL LOCATIONS OF EXPOSED CEILING. ENSURE NO OVER SPRAY ON STRUCTURE AND/OR BATT INSULATION.

C. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION WORK TO ACCOMPLISH CEILING HEIGHTS. NOTIFY ARCHITECTS OF ANY CONFLICTS PRIOR TO INSTALLATION.

D. EXACT LOCATION OF SPRINKLER HEADS AND ALL SPECIAL SYSTEMS EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT PRIOR TOSYSTEM INSTALLATION. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILE.

E. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH MECHANICAL AND PLUMBING.

F. ALL DIMENSIONS ARE TO FACE OF FINISH.

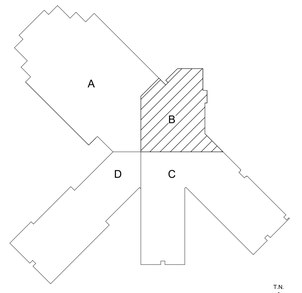
REFLECTED CEILING LEGEND

- 1 / A101 SIM — BUILDING /WALL SECTION
- SPOT ELEVATION
- GYPSUM BOARD CEILING, TAPE, TEXTURE AND PAINT.
- 2' X 4' ACOUSTIC. LAY-IN CEILING TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- 2' X 4' ACOUSTIC. LAY-IN CEILING VINYL FACED TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- EXPOSED TONGUE AND GROOVE WOOD DECKING AND GLULAM BEAMS. SEE DETAILS XX/A-XXX
- LAY-IN WOOD CEILING SYSTEM
- SUPPLY AIR DIFFUSER. SEE MECHANICAL.
- RETURN AIR DIFFUSER. SEE MECHANICAL.
- LIGHT FIXTURES. NOT ALL TYPES SHOWN IN THIS LEGEND. SEE ELECTRICAL FOR COMPLETE FIXTURE SCHEDULE

NOTE: REFER ALSO TO ELECTRICAL AND MECHANICAL DRAWINGS FOR REFLECTED CEILING PLAN ITEMS NOT SHOWN OR NOTED ON ARCHITECTURAL REFLECTED CEILING PLANS

KEYED NOTES

077 EXTERIOR STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS. COLOR TO BE SELECTED BY ARCHITECT.
082 GYP BOARD BULKHEAD. PAINT. SEE DETAIL E6/A-120 AND E5/A-120.
083 GYP BOARD SOFFIT WITH RECESSED LIGHT FIXTURE. PAINT. SEE DETAIL D5/A-120.
087 ROOF ACCESS LADDER AND HATCH. PAINT ALL EXDPOSED STEEL. SEE ROOF DETAILS.
093 EXTERIOR SUNSHADE. SEE WALL SECTIONS AND DETAILS.
094 GYP BOARD SOFFIT. SEE DETAIL E5/A-121B.
102 EXPOSED TONGUE AND GROOVE WOOD DECKING AND GLULAM BEAMS. STAINED. COLOR TO BE SELECTED BY ARCHITECT. SEE WALL SECTIONS AND DETAILS.
104 EXTERIOR CANOPY. PAINT ALL EXPOSED STEEL. SEE BUILDING AND WALL SECTIONS. SEE STRUCTURAL.



KEY PLAN N.T.S.

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FOOD SERVICE
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Dzilth-Na-O-Dith-Hle - New School

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

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SHEET TITLE
REFLECTED CEILING PLAN 'B'

A-121B

MATCH LINE
B1 A-303
D1 A-304
D3 A-304
A1 A-304
A1 A-303
C1 A-302
THERAPY GR 307
CR 4 309
CR 5 310
CR 3 308
K-2 RES 306
1ST GR 205
2ND GR 207
K/G GR 1 208
K/G GR 2 210
FACE ADULT GR 204
FACE OFFICE 203
FACE CR 206
OFF/TEST 205.1
KITCHENETTE 206.1
COMP LAB 303
KIT 307.2
GIRLS RR 304.1
BOYS RR 304.2
GIRL RR 207.1
BOY RR 207.2
GIRL RR 209.2
BOY RR 209.3
GIRL RR 210.1
BOY RR 210.2
MEN 208.1
WOMEN 210.1
GIRL RR 215.1
BOY RR 215.2
W RR 302
RR 305.1
RR 305.3
RR 307.1
ELEC 303.1
STOR 303.2
STOR 305.2
STOR 306.2
STOR 306.4
STOR 210.4
STOR 207.3
STOR 209.1
STOR 309.1
STOR 308.1
STOR 310.1
KIT 307.2
HALL 300
HALL 305
HALL 307
HALL 310
HALL 320
HALL 330
HALL 340
HALL 350
HALL 360
HALL 370
HALL 380
HALL 390
HALL 400
HALL 410
HALL 420
HALL 430
HALL 440
HALL 450
HALL 460
HALL 470
HALL 480
HALL 490
HALL 500
HALL

A1 REFLECTED CEILING PLAN 'D'
1/8" = 1'-0"

GENERAL NOTES

A. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

B. CONTROL DRYWALL TEXTURE OVER SPRAY AT ALL LOCATIONS OF EXPOSED CEILING. ENSURE NO OVER SPRAY ON STRUCTURE AND/OR BATT INSULATION.

C. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION WORK TO ACCOMPLISH CEILING HEIGHTS. NOTIFY ARCHITECTS OF ANY CONFLICTS PRIOR TO INSTALLATION.

D. EXACT LOCATION OF SPRINKLER HEADS AND ALL SPECIAL SYSTEMS EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT PRIOR TOSYSTEM INSTALLATION. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILE.

E. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH MECHANICAL AND PLUMBING.

F. ALL DIMENSIONS ARE TO FACE OF FINISH.

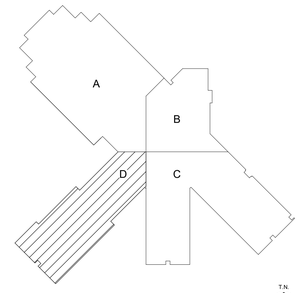
REFLECTED CEILING LEGEND

- 1 / A101 SIM — BUILDING /WALL SECTION
- SPOT ELEVATION
- GYPSUM BOARD CEILING, TAPE, TEXTURE AND PAINT.
- 2' X 4' ACOUSTIC, LAY-IN CEILING TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- 2' X 4' ACOUSTIC, LAY-IN CEILING VINYL FACED TILE. SEE SEISMIC BRACING DETAIL X/A-XXX. TYPE X, UNLESS NOTED OTHERWISE
- EXPOSED TONGUE AND GROOVE WOOD DECKING AND GLULAM BEAMS. SEE DETAILS XX/A-XXX
- LAY-IN WOOD CEILING SYSTEM
- SUPPLY AIR DIFFUSER. SEE MECHANICAL.
- RETURN AIR DIFFUSER. SEE MECHANICAL.
- LIGHT FIXTURES. NOT ALL TYPES SHOWN IN THIS LEGEND. SEE ELECTRICAL FOR COMPLETE FIXTURE SCHEDULE

NOTE: REFER ALSO TO ELECTRICAL AND MECHANICAL DRAWINGS FOR REFLECTED CEILING PLAN ITEMS NOT SHOWN OR NOTED ON ARCHITECTURAL REFLECTED CEILING PLANS

KEYED NOTES

077 EXTERIOR STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS. COLOR TO BE SELECTED BY ARCHITECT.
082 GYP BOARD BULKHEAD. PAINT. SEE DETAIL E6/A-120 AND E5/A-120.
083 GYP BOARD SOFFIT WITH RECESSED LIGHT FIXTURE. PAINT. SEE DETAIL D5/A-120.
104 EXTERIOR CANOPY. PAINT ALL EXPOSED STEEL. SEE BUILDING AND WALL SECTIONS. SEE STRUCTURAL.



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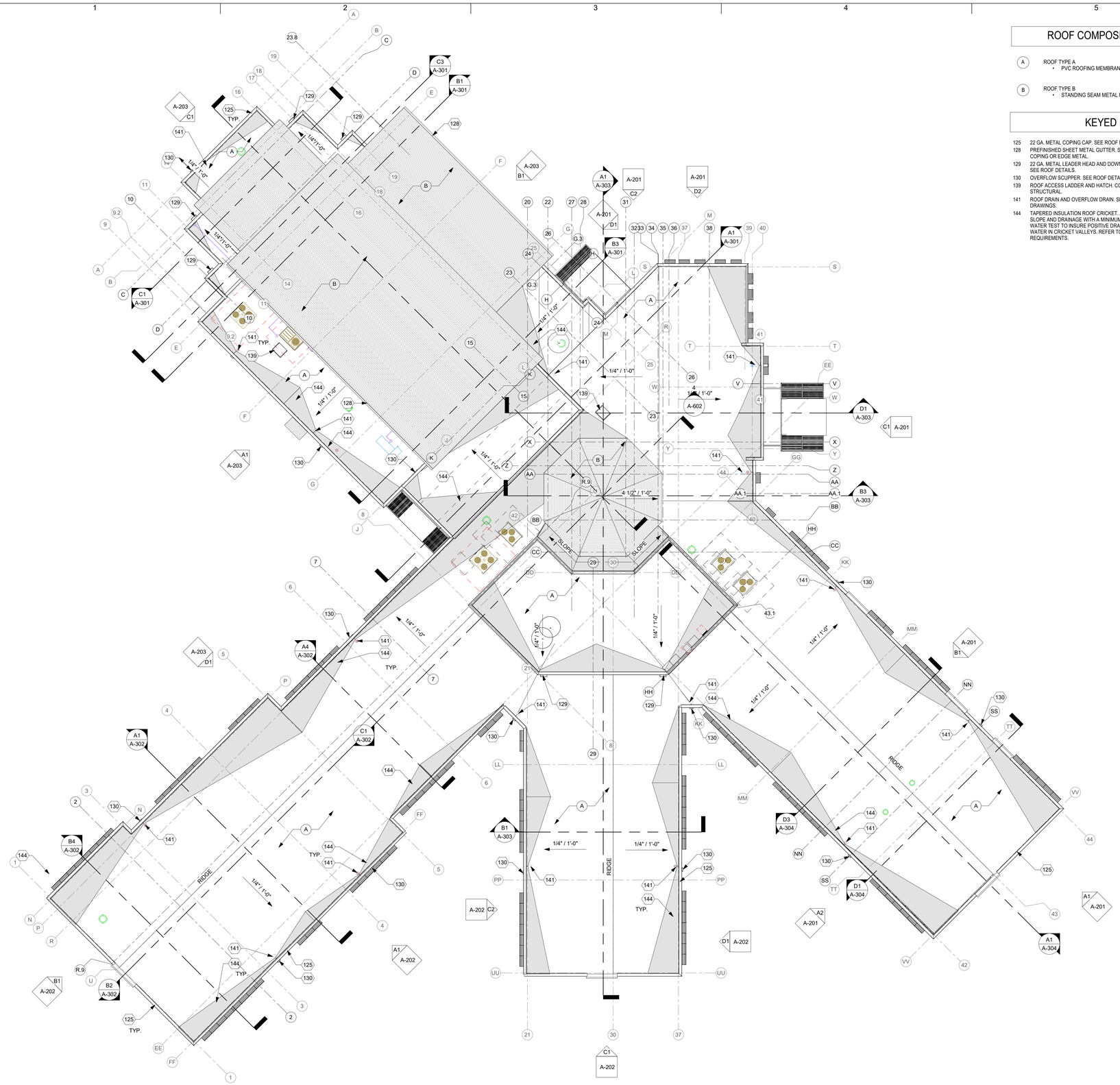
A-121D



A1 OVERALL ROOF PLAN
1/16" = 1'-0"

ROOF COMPOSITION LEGEND

(A) ROOF TYPE A
- PVC ROOFING MEMBRANE SYSTEM

(B) ROOF TYPE B
- STANDING SEAM METAL ROOFING

KEYED NOTES

125 22 GA. METAL COPING CAP. SEE ROOF DETAILS A-141.
128 PREFINISHED SHEET METAL GUTTER. SEE ROOF DETAILS. COLOR TO MATCH COPING OR EDGE METAL.
129 22 GA. METAL LEADER HEAD AND DOWNSPOUT. TERMINATE AT SPLASH BLOCK. SEE ROOF DETAILS.
130 OVERFLOW SCUPPER. SEE ROOF DETAILS.
139 ROOF ACCESS LADDER AND HATCH. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL.
141 ROOF DRAIN AND OVERFLOW DRAIN. SEE ROOF DETAILS A1/A-141. SEE PLUMBING DRAWINGS.
144 TAPERED INSULATION ROOF CRICKET. ALL CRICKETS MUST PROVIDE POSITIVE SLOPE AND DRAINAGE WITH A MINIMUM THREE TO ONE LENGTH TO WIDTH RATIO. WATER TEST TO INSURE POSITIVE DRAINAGE. THERE IS TO BE NO STANDING WATER IN CRICKET VALLEYS. REFER TO GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

A. THE ROOFING SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR A 20 YEAR WARRANTY. INSTALL PER MOST STRINGENT REQUIREMENT BETWEEN PLANS, SPECIFICATIONS, MANUFACTURER'S REQUIREMENTS, AND IN ACCORDANCE WITH THE NRCA ROOFING & WATERPROOFING MANUAL, CURRENT EDITION.

B. ROOFING AND FLASHING SYSTEM REQUIRED TO CONFORM TO ES-1 WIND DESIGN STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS.

C. FABRICATE AND INSTALL ALL METAL FLASHING AND ACCESSORIES PER RECOMMENDATIONS OF SMACNA ARCHITECTURAL SHEET METAL MANUAL CURRENT EDITION, AND NRCA ROOFING AND WATERPROOFING MANUAL CURRENT EDITION.

D. PROVIDE SHOP DRAWINGS FOR ALL ROOF ACCESSORIES, SHEET METAL, TAPERED INSULATION LAYOUT. ETC

E. PROVIDE CRICKETS ON THE UPHILL SIDE OF ALL EQUIPMENT, OPENINGS, CURBS, ETC. GREATER THAN 12" IN WIDTH.

F. SLOPE ALL CRICKETS 1/4" MINIMUM GREATER THAN THE SLOPE OF THE DECK, WITH A MINIMUM 3 TO 1 LENGTH TO WIDTH RATIO. MAINTAIN POSITIVE DRAINAGE UNLESS NOTED OTHERWISE.

G. PRE-DRILL ALL METAL FLASHING / COUNTER FLASHING MATERIAL PRIOR TO INSTALLING FASTENERS.

H. ALL PLUMBING VENTS MUST MAINTAIN AN 18" MINIMUM DISTANCE ABOVE ROOF. TYPICAL.

I. PROVIDE A MINIMUM 12" HIGH VERTICAL DISTANCE BETWEEN TOP OF ROOFING FIELD MEMBRANES AND TERMINATION OF ALL FLASHINGS / COUNTER FLASHINGS AND FLASHING MEMBRANES. SEE DETAILS AND ROOFING MANUFACTURERS REQUIREMENTS.

J. PRIME AND PAINT ALL EXPOSED FERROUS METAL UNLESS OTHERWISE NOTED.

K. PROVIDE PRE-MANUFACTURED STANDS, MIRO INDUSTRIES, OR APPROVED EQUIVALENT, FOR ALL ROOFTOP PIPING AND CONDUITS ACROSS ROOF. DO NOT EXCEED MAXIMUM LOAD WEIGHT. INSTALL PER MANUFACTURES REQUIREMENTS. PIPES 1-1/2" AND SMALLER SHALL BE SUPPORTED AT 8'-0" O.C. MAX. AND PIPES 2" AND LARGER SHALL BE SUPPORTED AT 10'-0" O.C. MAX. SEE ROOF DETAILS A-141.

L. LOCATIONS OF ROOF TOP EQUIPMENT, DUCTWORK, ROOF PENETRATIONS, FLASHINGS, CURBS, ETC. THAT ARE INDICATED ON THE ROOF PLAN DRAWINGS NEED TO BE COORDINATED IN THE FIELD.

M. IMMEDIATELY NOTIFY ARCHITECT OF ANY CONFLICT BETWEEN ROOFING MANUFACTURERS RECOMMENDATION FOR ANY GIVEN CONDITION AND ARCHITECT'S DETAILS.

N. SLOPE DIRECTION INDICATED BY ARROW ON ROOF PLAN. MAINTAIN DRAINAGE AND SLOPES LISTED.

O. EXTEND GAS LINES, CONDUITS, VENTS ETC. PENETRATING THRU ROOF PER DETAILS ON SHEET A-141. SLEEVE WIRE AND CABLE PENETRATIONS THRU ROOF WITH GOOSE NECK PIPE OR CONDUIT.

P. FURNISH AND INSTALL TREATED 1/2" OR THICKNESS AS DETAILED CDX PLYWOOD ON INSIDE FACE OF ALL PARAPETS.

Q. FURNISH AND INSTALL TREATED WOOD BLOCKING AT ROOF MEMBRANE TERMINATION FASTENING LOCATIONS.

R. FURNISH AND INSTALL INSULATION AT ALL MECHANICAL CURBS IF NOT PROVIDED BY MANUFACTURER.

S. TURN FLASHING 90 DEGREES VERTICALLY INTO FASCIA WITH MITERED CORNER AT ALL EXPOSED FLASHING CORNERS.

T. PRIOR TO INSTALLATION OF INTERIOR DRYWALL FINISH CONTRACTOR SHALL TEST ROOF DRAINS FOR LEAKS AS FOLLOWS:
a. FIRST FILL DRAIN BOWL ONLY TO CHECK PLUMBING SEAL
b. THEN PLUG ROOF DRAIN AND FLOOD AREA OF ROOF AROUND DRAIN WITH 2" OF WATER.
c. TEST ROOF DRAIN CONNECTION TO VERTICAL AND HORIZONTAL PLUMBING LEADERS. SEAL ALL LEAK AREAS.
d. CHECK ROOFING SECUREMENT TO DRAIN
e. INSTALL RUBBERIZED BOOT AROUND CONNECTIONS OF ROOF DRAIN TO VERTICAL LEADER. CLAMP TIGHTLY TO PROVIDE SUPPORT AND WEATHER TIGHT SEAL.

U. THE ROOFING CONTRACTOR SHALL PROVIDE FASTENERS AS REQUIRED FOR CORROSIVE AGENTS ADDED TO TREATED WOOD NAILERS AND AS RECOMMENDED BY THE ROOFING MANUFACTURER REQUIRED FOR THE WARRANTY.

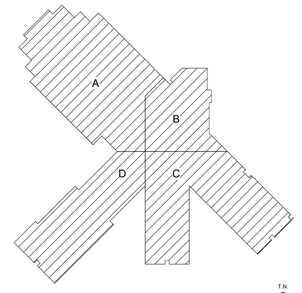
V. FURNISH AND INSTALL MANUFACTURERS WALK PAD. INSTALL AT THE FOLLOWING LOCATIONS : (1) AT ALL POINTS OF ROOF LANDING AT ACCESS LADDERS, DOORWAYS, HATCHES ETC. (2) ALONG DIRECT PATH TO ROOF TOP UNITS FROM POINTS OF LANDING. (3) TWO ROW WIDTH AROUND ROOF TOP UNITS. DO NOT COVER WELDED TPO SEAMS WITH WALK PAD. PROVIDE FOR A GAP OVER SEAM SPACED AS RECOMMENDED BY MANUFACTURER BUT NOT LESS THAN 8". MAXIMUM LENGTH OF ANY SINGLE RUN OF WALK PAD TO BE NO MORE THAN 10'-0". PROVIDE 3" GAP BETWEEN ROWS OF WALK PADS FOR POSITIVE DRAINAGE.

W. COORDINATE ALL ROOF PENETRATIONS BETWEEN ARCHITECTURAL, PLUMBING, AND MECHANICAL WORK. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO PERFORMING WORK.

X. PAINT ALL EXPOSED DUCTS, ELECTRICAL CONDUITS, GAS LINES ETC. RUNNING VERTICAL ON WALLS AND HORIZONTALLY ON ROOF. COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING. PAINT COLOR TO BE SELECTED BY ARCHITECT.

Y. FURNISH AND INSTALL PRECAST CONCRETE SPLASHBLOCK AT TERMINATION OF ALL DOWNSPOUTS AND OR SCUPPER OVERFLOWS THAT DO NOT TERMINATE INTO CATCHBASINS. PROVIDE AT BOTH 'AT GRADE' TERMINATIONS, AND ON DOWNSPOUTS & SCUPPERS THAT TERMINATE ONTO A LOWER ROOF.

Z. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LAYOUT OF BOTH THE SITE AND BUILDING ELEMENTS. COORDINATE FIELD INFORMATION WITH THE ARCHITECT PRIOR TO ANY CONSTRUCTION ACTIVITY.



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ROOF PLAN

A-131

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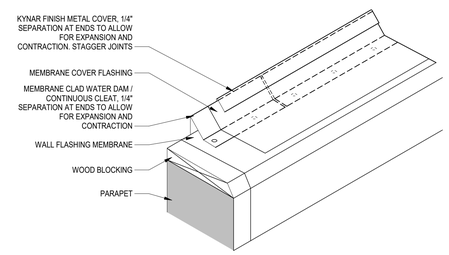
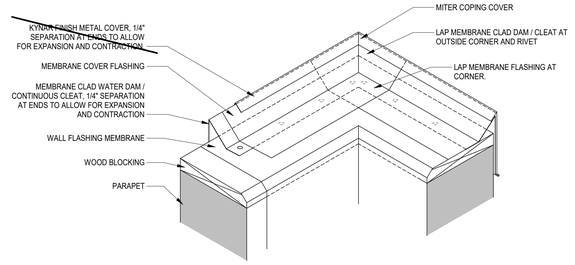
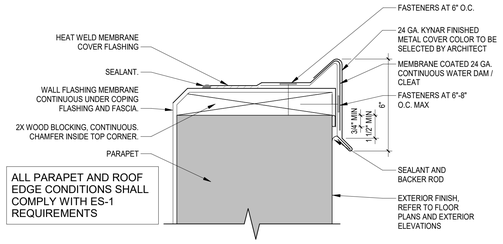
School Information



E1 COPING CAP BUTT JOINT
1 1/2" = 1'-0"

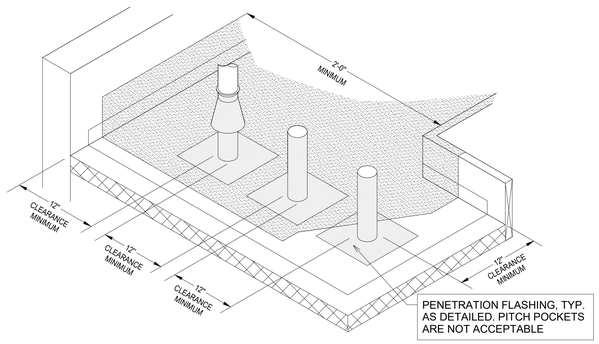


E2 COPING CAP CORNER JOINT
1 1/2" = 1'-0"

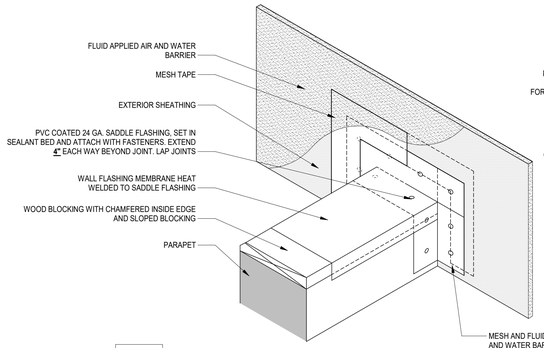


ALL PARAPET AND ROOF EDGE CONDITIONS SHALL COMPLY WITH ES-1 REQUIREMENTS

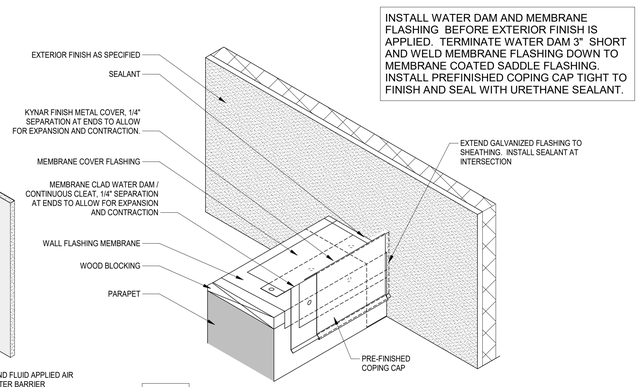
E4 PARAPET DETAIL
3" = 1'-0"



C1 PENETRATION SPACING
1" = 1'-0"



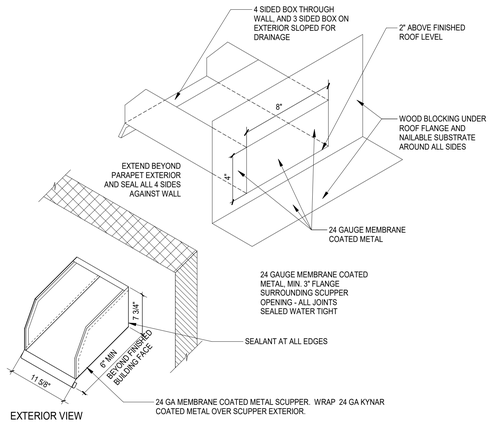
STEP 1



INSTALL WATER DAM AND MEMBRANE FLASHING BEFORE EXTERIOR FINISH IS APPLIED. TERMINATE WATER DAM 3" SHORT AND WELD MEMBRANE FLASHING DOWN TO MEMBRANE COATED SADDLE FLASHING. INSTALL PREFINISHED COPING CAP TIGHT TO FINISH AND SEAL WITH URETHANE SEALANT.

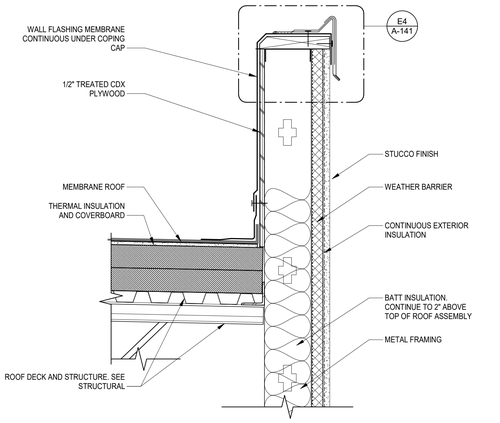
STEP 2

C3 COPING CAP WALL ABUTEMENT
1 1/2" = 1'-0"

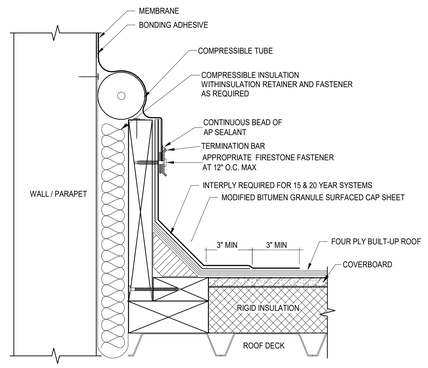


EXTERIOR VIEW

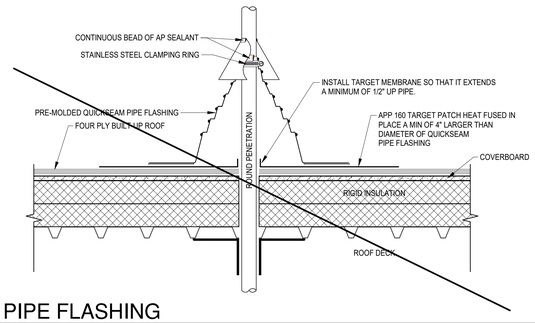
B1 SCUPPER DETAIL
1" = 1'-0"



B2 STEEL STUD PARAPET
1 1/2" = 1'-0"



B4 EXPANSION JOINT
3" = 1'-0"



A1 PIPE FLASHING
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ROOF DETAILS

A-141

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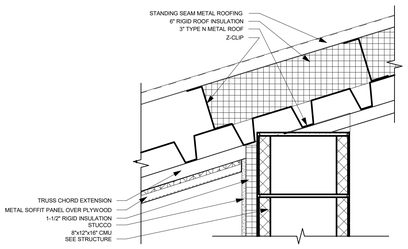
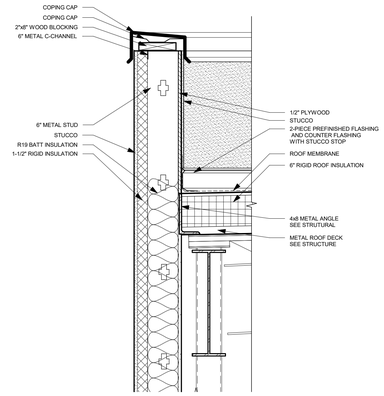
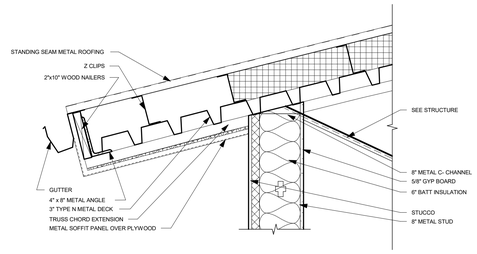


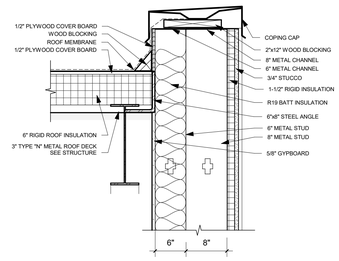
D1 GYMNASIUM ROOF DETAIL
1 1/2" = 1'-0"



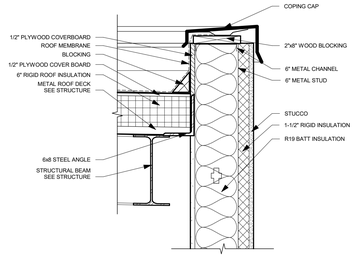
D2 ROOF DETAIL - P.E. STORAGE
1" = 1'-0"



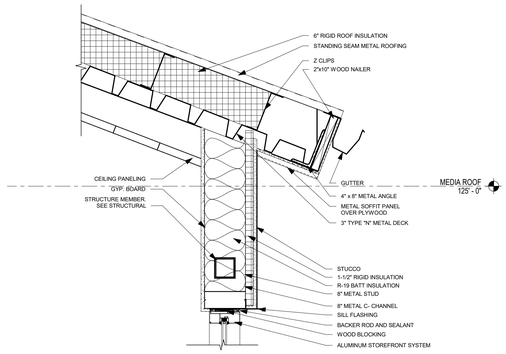
D4 ROOF DETAIL PENTHOUSE
1" = 1'-0"



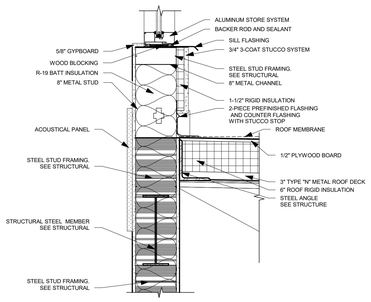
C1 CLASSROON EXTERIOR EXIT - ROOF DETAIL
1" = 1'-0"



C3 RECEP. ROOF DETAIL
1" = 1'-0"



C4 HOGAN ROOF DETAIL
1" = 1'-0"



B1 HOGAN/ HALLWALL ROOF DETAIL
1" = 1'-0"

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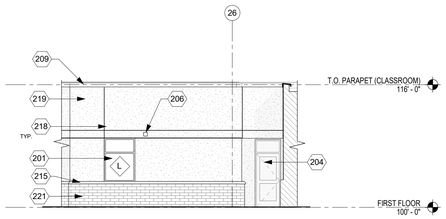
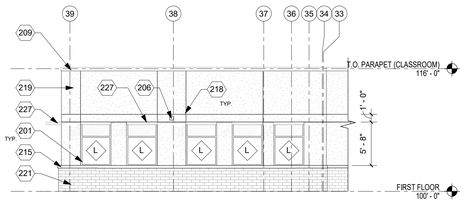
SHEET TITLE

ROOF DETAILS

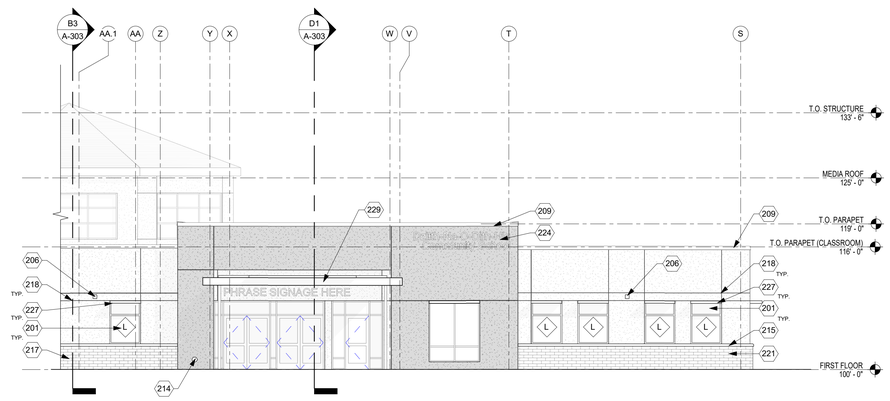
A-142



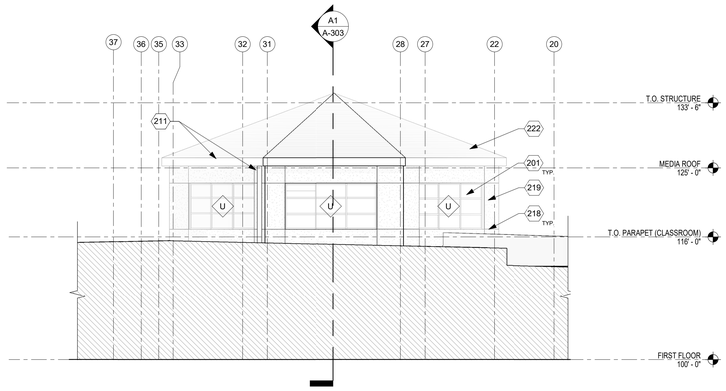
D1 ELEVATION - NORTHWEST ENTRY
1/8" = 1'-0"



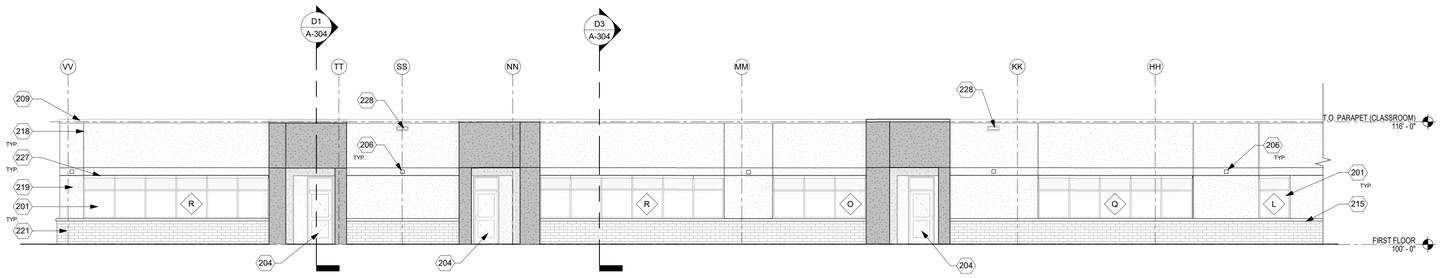
D2 ELEVATION - NORTH MAIN ENTRY
1/8" = 1'-0"



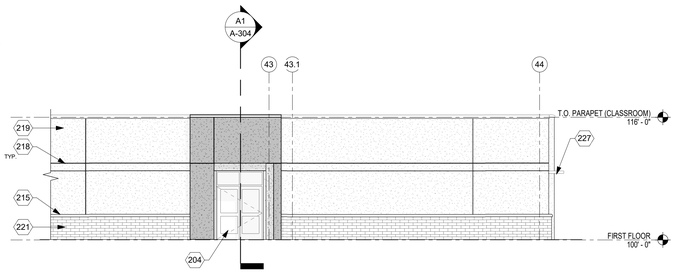
C1 ELEVATION - WEST MAIN ENTRY
1/8" = 1'-0"



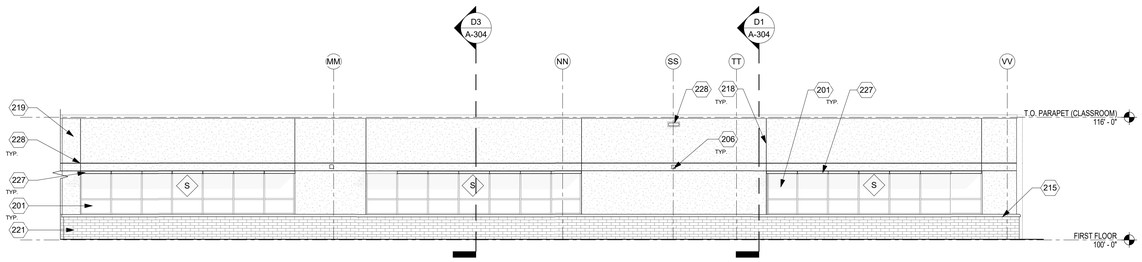
C2 ELEVATION - NORTH HOGAN
1/8" = 1'-0"



B1 ELEVATION - EAST KINDERGARTEN WING
1/8" = 1'-0"



A1 ELEVATION - SOUTH KINDERGARTEN WING
1/8" = 1'-0"



A2 ELEVATION - WEST KINDERGARTEN WING
1/8" = 1'-0"

GENERAL NOTES

A. CIVIL ELEVATIONS OF XXXX = 100' - 0" ON ARCHITECTURAL SHEETS. BEARING HEIGHTS ARE SHOWN FOR REFERENCE TO 100'-0" AND NOT INVIDUAL HEIGHTS ABOVE FINISHED FLOORS. COORDINATED WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

B. ANY EXPOSED PENETRATIONS, FLASHINGS, VENTS, MECHANICAL EQUIPTMENT, UTILITY LINES, ETC. SHALL BE PAINTED TO COLOR AS SELECTED BY THE ARCHITECT. DO NOT PAINT PRE FINISHED ITEMS.

C. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.

D. MASONRY JOINTS IN MASONRY WALL SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. REFER TO CIVIL FOR ALL GRADING INFORMATION AROUND THE BUILDING.

EXTERIOR FINISH LEGEND

- 3 COAT STUCCO SYSTEM WITH ANTI-GRAFFITI COATING. FIELD COLOR, COLOR TO BE SELECTED BY ARCHITECT.
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- 3 COAT STUCCO SYSTEM WITH ANTI-GRAFFITI COATING. ACCENT COLOR, COLOR TO BE SELECTED BY ARCHITECT.
- 3'-0" HIGH MASONRY WITH ANTI-GRAFFITI COATING. FIELD COLOR, COLOR TO BE SELECTED BY ARCHITECT.

KEYED NOTES

201 ALUMINUM STOREFRONT / WINDOW ASSEMBLY. SEE WINDOW & FRAME ELEVATIONS.
204 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
206 LIGHT FIXTURE. SEE ELECTRICAL.
209 METAL COPING CAP. SEE ROOF DETAILS A-141.
211 SHEET METAL GUTTER. SEE ROOF DETAILS AND SITE PLAN. FIELD COORDINATE LOCATION OF DOWNSPOUT WITH ARCHITECT PRIOR TO FABRICATION.
214 LAMBS TONGUE. SEE ROOF PLAN AND ROOF DETAILS.
215 CAST MASONRY CAP.
217 STEEL STRUCTURE. SEE STRUCTURAL.
218 STUCCO CONTROL JOINT.
219 STUCCO FINISH SYSTEM. SEE EXTERIOR FINISH LEGEND, BUILDING AND WALL SECTIONS. COLORS TO BE SELECTED BY ARCHITECT.
221 MASONRY VENEER SYSTEM. SEE WALL SECTIONS AND DETAILS.
222 PREFINISHED STANDING SEAM METAL ROOFING.
224 24" CAST ALUMINUM LETTERS. PROVIDE BACKING IN WALL. FINAL LETTERING TO BE CONFIRMED BY ARCHITECT.
227 EXTERIOR SUNSHADE. SEE WALL SECTIONS AND DETAILS.
228 OVERFLOW SCUPPER. SEE ROOF PLAN AND DETAILS, A-131 & A-141.
229 EXTERIOR CANOPY. SEE WALL SECTIONS AND DETAILS..

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SHEET TITLE

BUILDING ELEVATIONS

A-201

School Information

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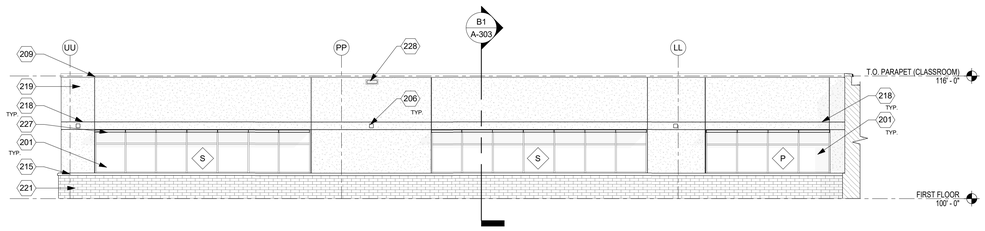
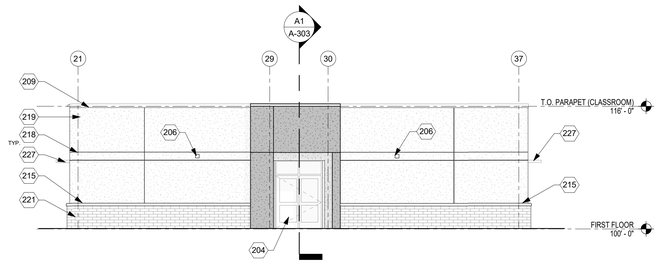
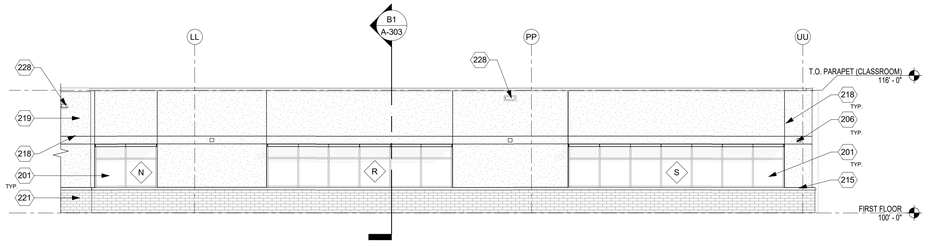


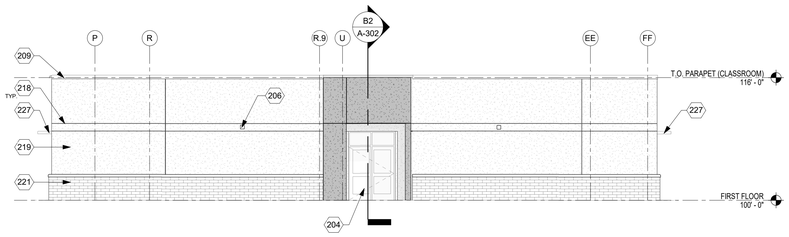
D1 ELEVATION - EAST 3-5 GRADE WING
1/8" = 1'-0"



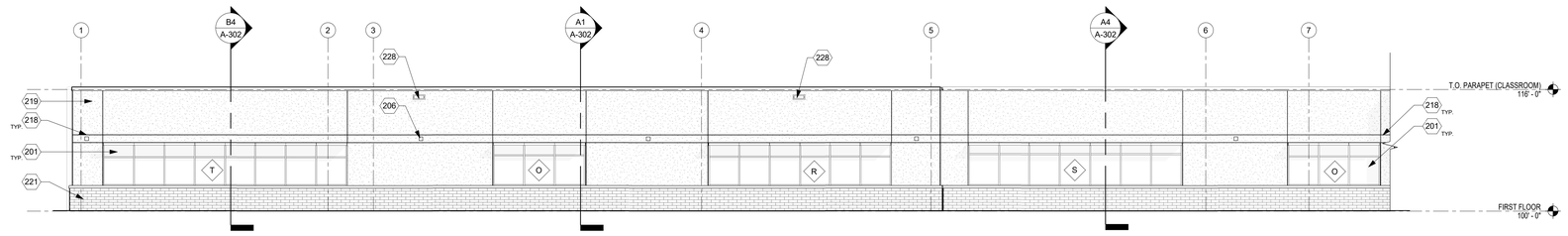
C1 ELEVATION - SOUTH 3-5 GRADE WING
1/8" = 1'-0"



C2 ELEVATION - WEST 3-5 GRADE WING
1/8" = 1'-0"



B1 ELEVATION - WEST 6-8 GRADE WING
1/8" = 1'-0"



A1 ELEVATION - SOUTH 6-8 GRADE WING
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GENERAL NOTES

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KEYED NOTES

201	ALUMINUM STOREFRONT / WINDOW ASSEMBLY. SEE WINDOW & FRAME ELEVATIONS.
204	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
206	LIGHT FIXTURE. SEE ELECTRICAL.
209	METAL COPING CAP. SEE ROOF DETAILS A-141.
215	CAST MASONRY CAP.
218	STUCCO CONTROL JOINT.
219	STUCCO FINISH SYSTEM. SEE EXTERIOR FINISH LEGEND, BUILDING AND WALL SECTIONS. COLORS TO BE SELECTED BY ARCHITECT.
221	MASONRY VENEER SYSTEM. SEE WALL SECTIONS AND DETAILS.
227	EXTERIOR SUNSHADE. SEE WALL SECTIONS AND DETAILS.
228	OVERFLOW SCUPPER. SEE ROOF PLAN AND DETAILS, A-131 & A-141.

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Dzilth-Na-O-Dith-Hle - New School

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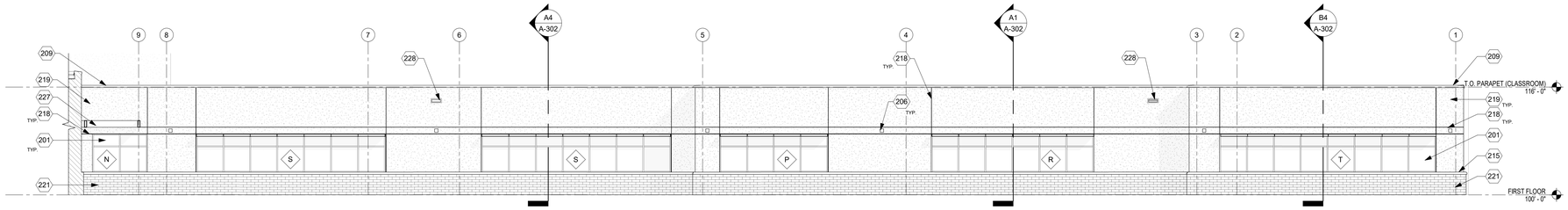
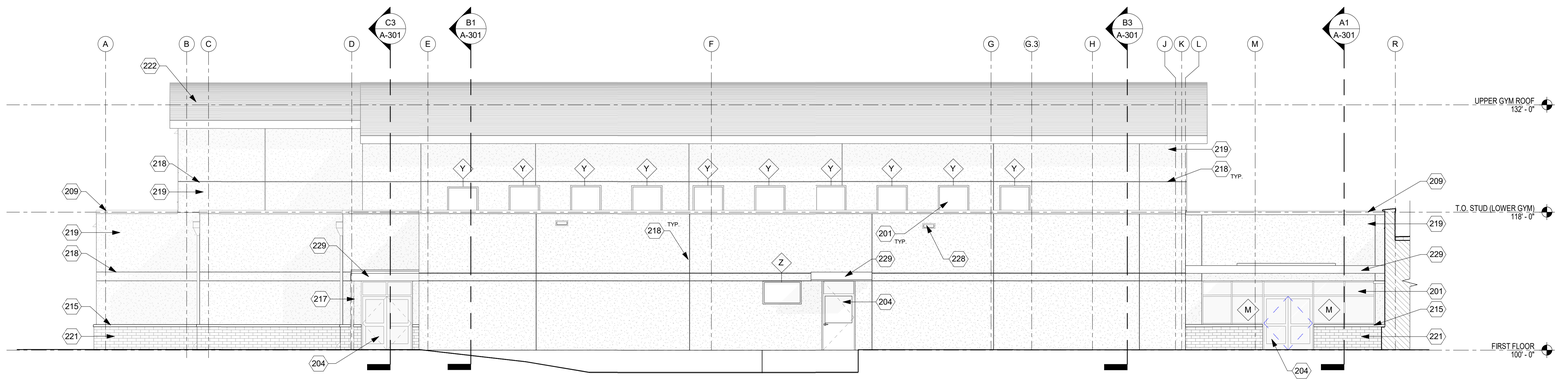
SHEET TITLE
BUILDING ELEVATIONS

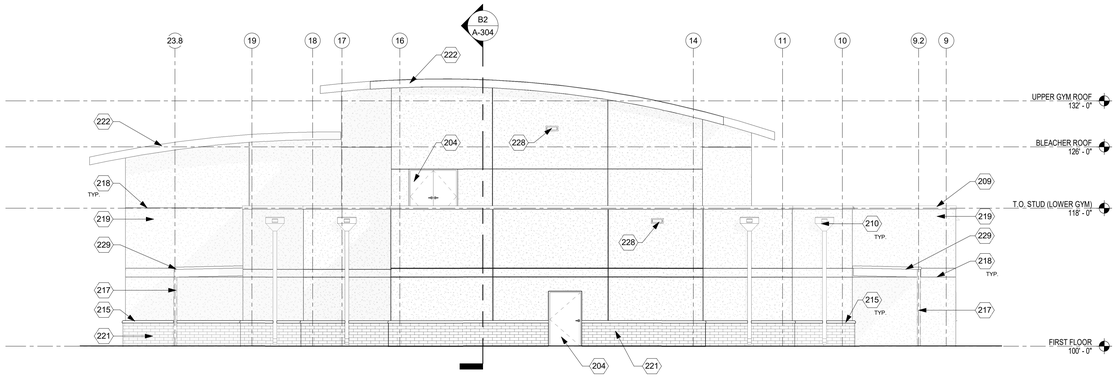
A-202



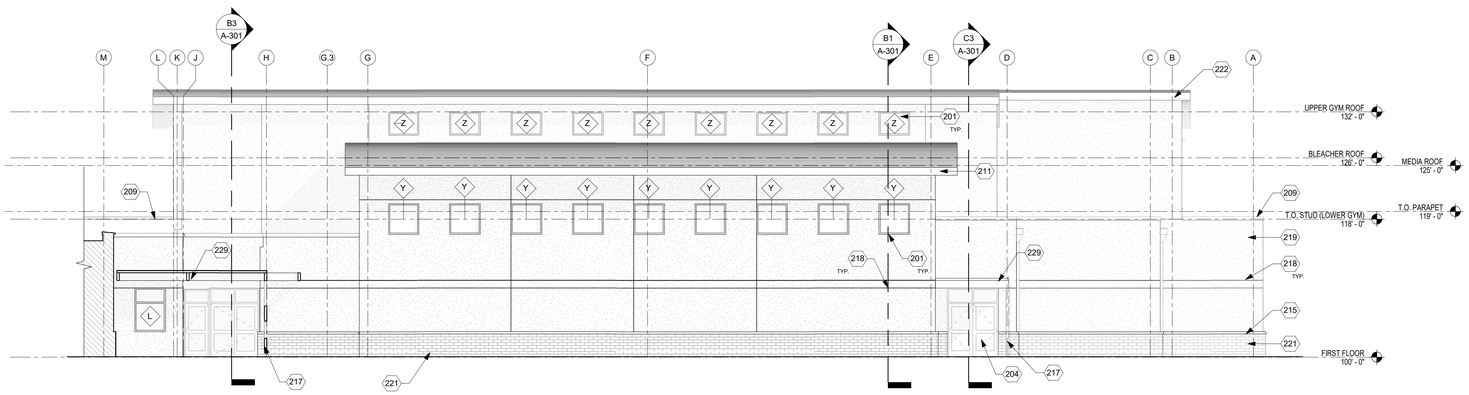
D1 ELEVATION - NORTH 6-8 GRADE WING
1/8" = 1'-0"



A1 ELEVATION - SOUTH GYMNASIUM
1/8" = 1'-0"



C1 ELEVATION - WEST GYMNASIUM
1/8" = 1'-0"



B1 ELEVATION - NORTH GYMNASIUM
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- 3 COAT STUCCO SYSTEM WITH ANTI-GRAFFITI COATING. ACCENT COLOR, COLOR TO BE SELECTED BY ARCHITECT.
- 3'-0" HIGH MASONRY WITH ANTI-GRAFFITI COATING. FIELD COLOR, COLOR TO BE SELECTED BY ARCHITECT.

KEYED NOTES

201	ALUMINUM STOREFRONT / WINDOW ASSEMBLY. SEE WINDOW & FRAME ELEVATIONS.
204	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
206	LIGHT FIXTURE. SEE ELECTRICAL.
209	METAL COPING CAP. SEE ROOF DETAILS A-141.
210	METAL LEADERHEAD AND DOWNSPOUT. SEE ROOF DETAILS AND SITE PLAN. FIELD COORDINATE LOCATION OF DOWNSPOUT WITH ARCHITECT PRIOR TO FABRICATION.
211	SHEET METAL GUTTER. SEE ROOF DETAILS AND SITE PLAN. FIELD COORDINATE LOCATION OF DOWNSPOUT WITH ARCHITECT PRIOR TO FABRICATION.
215	CAST MASONRY CAP.
217	STEEL STRUCTURE. SEE STRUCTURAL.
218	STUCCO CONTROL JOINT.
219	STUCCO FINISH SYSTEM. SEE EXTERIOR FINISH LEGEND, BUILDING AND WALL SECTIONS. COLORS TO BE SELECTED BY ARCHITECT.
221	MASONRY VENEER SYSTEM. SEE WALL SECTIONS AND DETAILS.
222	PREFINISHED STANDING SEAM METAL ROOFING.
227	EXTERIOR SUNSHADE. SEE WALL SECTIONS AND DETAILS.
228	OVERFLOW SCUPPER. SEE ROOF PLAN AND DETAILS, A-131 & A-141.
229	EXTERIOR CANOPY. SEE WALL SECTIONS AND DETAILS..

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SHEET TITLE

BUILDING ELEVATIONS

A-203

School Information

10/8/2020 12:05:40 PM

Dzilth-Na-O-Dith-Hle - New School

KEYED NOTES

301 ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
304 3 COAT STUCCO SYSTEM OVER FLUID APPLIED WATER & AIR BARRIER OVER 2 1/2" EXTERIOR CONTINUOUS INSULATION ON METAL FRAMING. SEE ELEVATIONS FOR COLOR AND FINISH.
312 HOLLOW METAL WINDOW AND/OR STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
315 CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316 CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
318 CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
321 FINISH CEILING. SEE RCP.
324 MECHANICAL DUCTWORK. SEE MECHANICAL.
325 EXPOSED MECHANICAL EQUIPMENT OR DUCTWORK, PAINT ALL EXPOSED ELEMENTS, COLOR TO BE SELECTED BY ARCHITECT. DO NOT PAINT PREFINISHED ELEMENTS.
326 MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327 PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
332 4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
344 STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
345 STEEL STUD PARTITION. SEE PARTITION SCHEDULE.
346 STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS.
357 3 COAT STUCCO SYSTEM.
361 SCORE BOARD.
379 EXTERIOR CANOPY / SUNSHADE. SEE WALL SECTIONS AND DETAILS.
380 12" CMU WALL. SEE STRUCTURAL. WALL SECTION AND DETAILS.
381 STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

GENERAL NOTES

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SYMBOL LEGEND

XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)

Ref / 1 / A101 — BUILDING ELEVATION

1Ref / A101 — INTERIOR ELEVATION

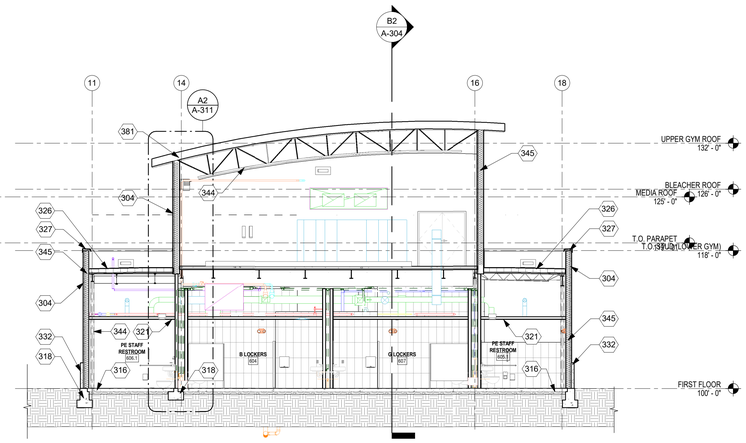
1 / A101 SIM — BUILDING/ WALL SECTION

X — STRUCTURAL GRID

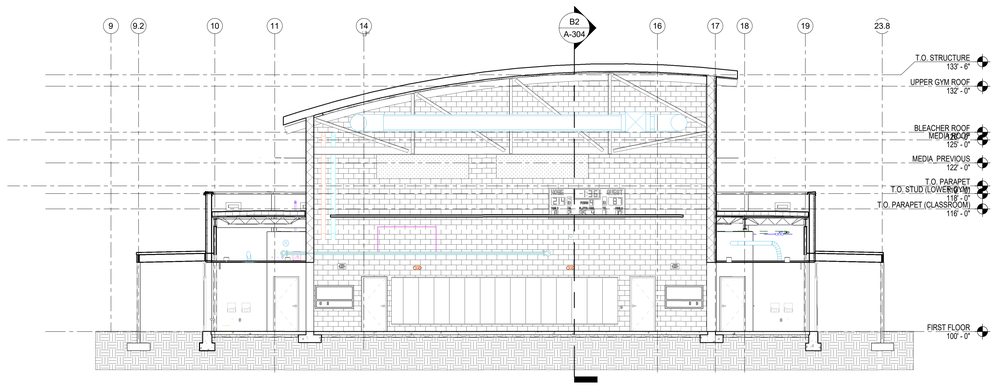
X — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)

X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)

F.E.C — FIRE EXTINGUISHER



C1 BUILDING SECTION - LOCKER ROOMS
1/8" = 1'-0"



C3 BUILDING SECTION - GYMNASIUM1
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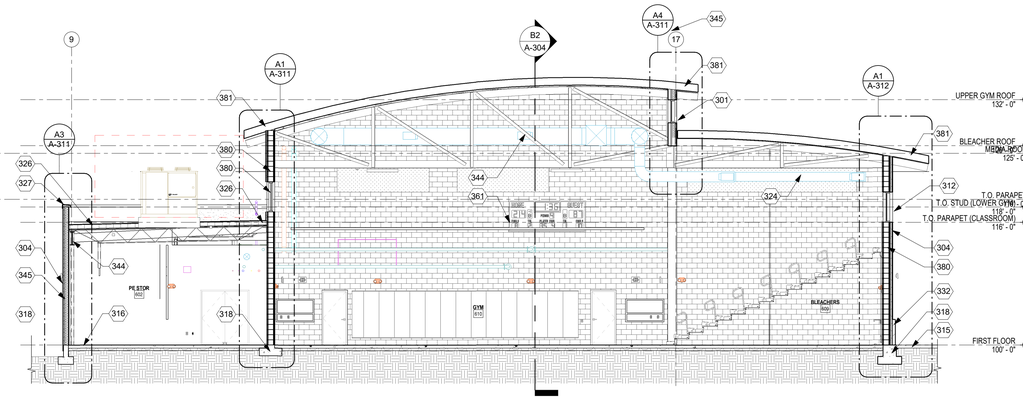
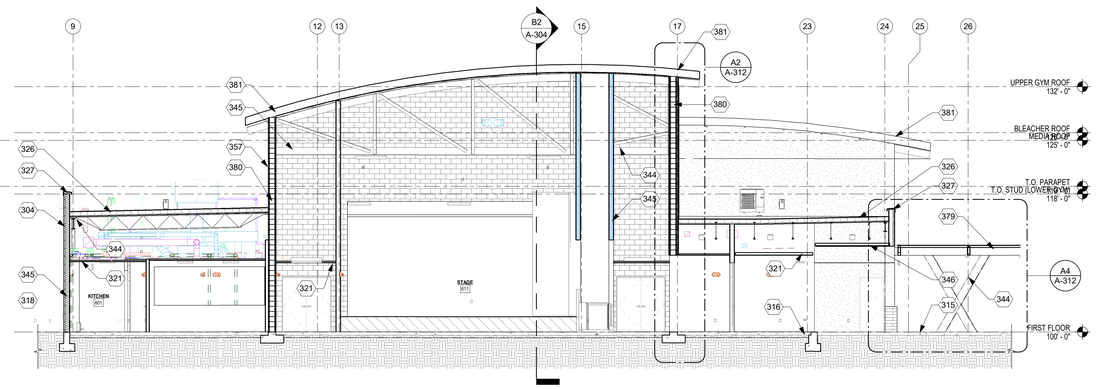
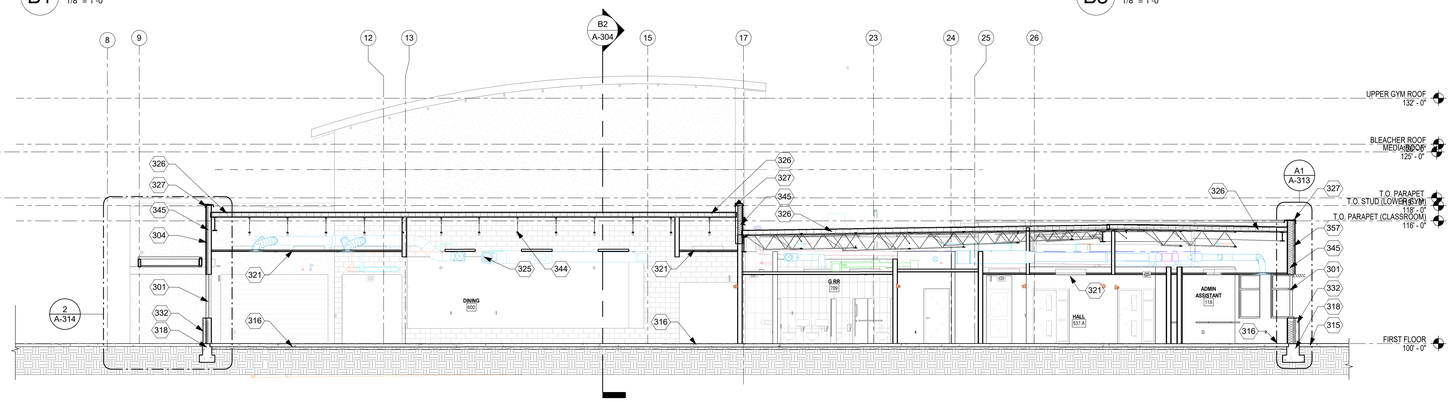


B1 BUILDING SECTION - GYMNASIUM
1/8" = 1'-0"



B3 BUILDING SECTION - STAGE
1/8" = 1'-0"



A1 BUILDING SECTION - K-8 DINING
1/8" = 1'-0"

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ARCHITECT

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OCTOBER 2ND, 2020

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DRAWN BY:	FBT
CHECKED BY:	JT

SHEET TITLE
BUILDING SECTIONS

A-301

School Information

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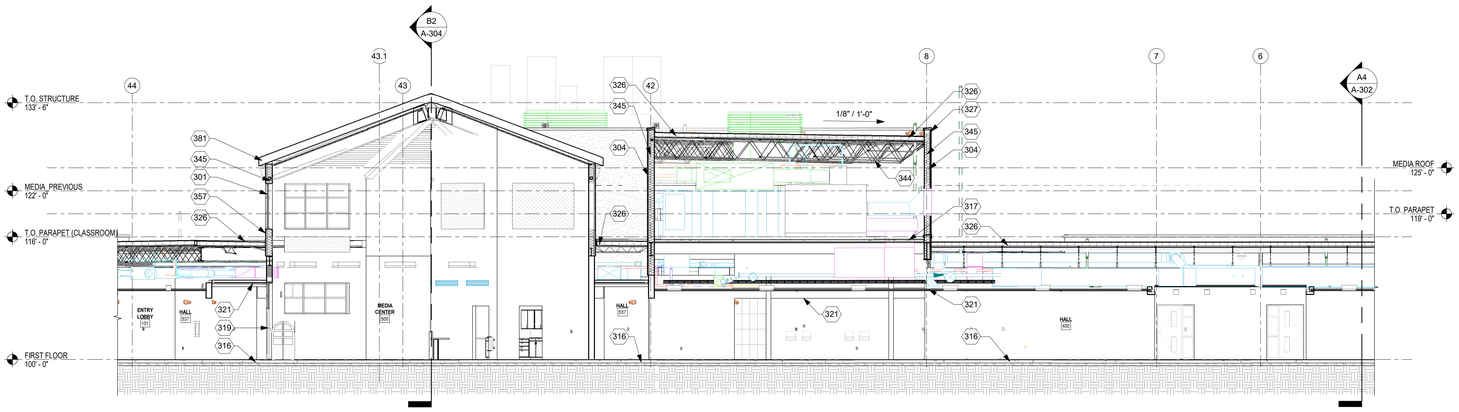
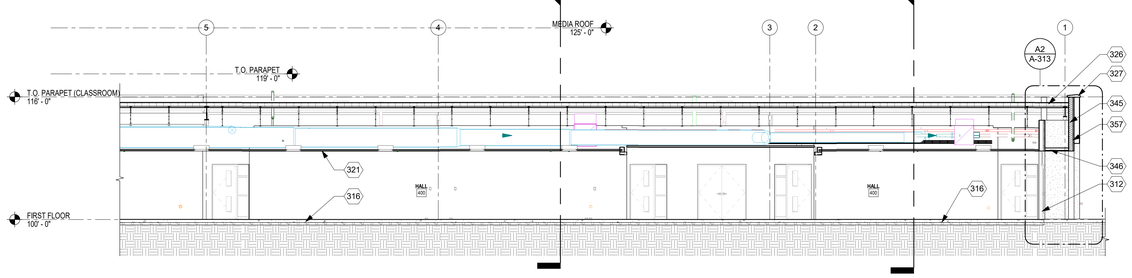
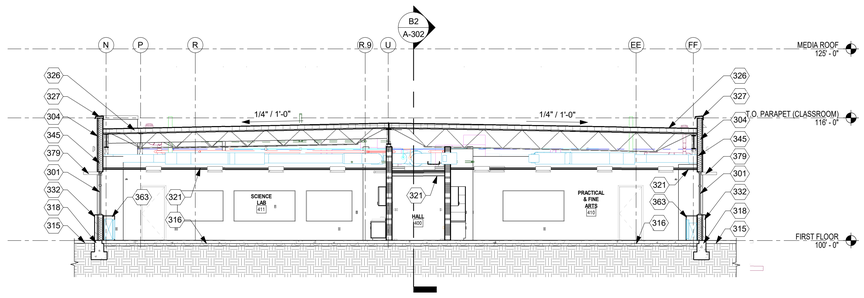


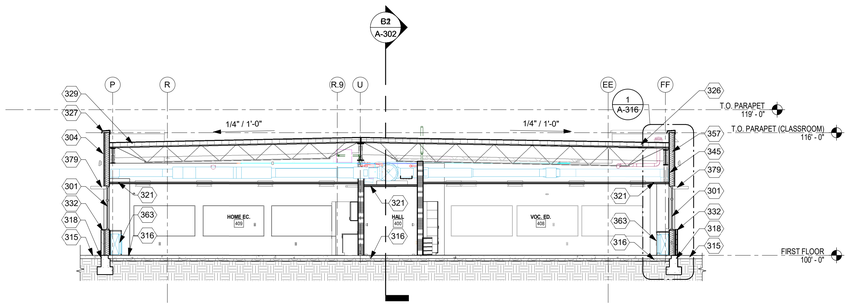
C1 BUILDING SECTION - 6-8TH WING - NORTH
1/8" = 1'-0"



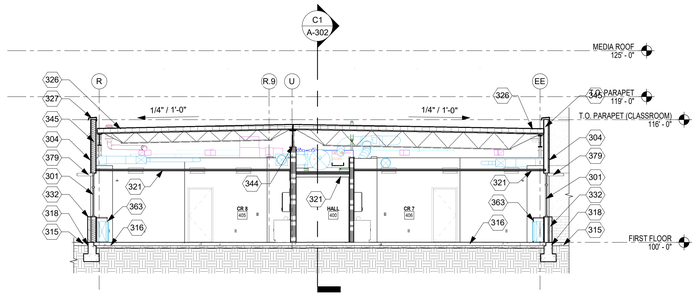
B2 BUILDING SECTION - 6-8TH WING - SOUTH
1/8" = 1'-0"



B4 BUILDING SECTION - 6-8TH WING- A-B
1/8" = 1'-0"



A1 BUILDING SECTION - 6-8TH WING- C-E
1/8" = 1'-0"



A4 BUILDING SECTION - 6-8TH WING
1/8" = 1'-0"

KEYED NOTES

301 ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
304 3 COAT STUCCO SYSTEM OVER FLUID APPLIED WATER & AIR BARRIER OVER 2 1/2" EXTERIOR CONTINUOUS INSULATION ON METAL FRAMING. SEE ELEVATIONS FOR COLOR AND FINISH.
312 HOLLOW METAL WINDOW AND/OR STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
315 CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316 CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
317 CONCRETE SLAB OVER METAL DECK. SEE STRUCTURAL.
318 CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
319 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
321 FINISH CEILING. SEE RCP.
326 MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327 PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
329 MEMBRANE ROOFING SYSTEM OVER COVER BOARD AND R-30 RIGID INSULATION. SEE ROOF DETAILS.
332 4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
344 STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
345 STEEL STUD PARTITION. SEE PARTITION SCHEDULE.
346 STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS.
357 3 COAT STUCCO SYSTEM.
363 DISPLACEMENT AIR VENTILATION CHASE.
379 EXTERIOR CANOPY / SUNSHADE. SEE WALL SECTIONS AND DETAILS.
381 STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

GENERAL NOTES

A. CIVIL ELEVATIONS OF XXXX = 100' - 0" ON ARCHITECTURAL SHEETS. BEARING HEIGHTS ARE SHOWN FOR REFERENCE TO 100'-0" AND NOT INVIDUAL HEIGHTS ABOVE FINISHED FLOORS. COORDINATED WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

B. ANY EXPOSED PENETRATIONS, FLASHINGS, VENTS, MECHANICAL EQUIPTMENT, UTILITY LINES, ETC. SHALL BE PAINTED TO COLOR AS SELECTED BY THE ARCHITECT. DO NOT PAINT PRE FINISHED ITEMS.

C. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.

D. MASONRY JOINTS IN MASONRY WALL SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. REFER TO CIVIL FOR ALL GRADING INFORMATION AROUND THE BUILDING.

SYMBOL LEGEND

XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)

Ref / Ref A101 Ref / Ref — BUILDING ELEVATION

1Ref / 1Ref A101 1Ref / 1Ref — INTERIOR ELEVATION

SIM / 1 A101 — BUILDING/ WALL SECTION

X — STRUCTURAL GRID

X — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)

X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)

F.E.C — FIRE EXTINGUISHER

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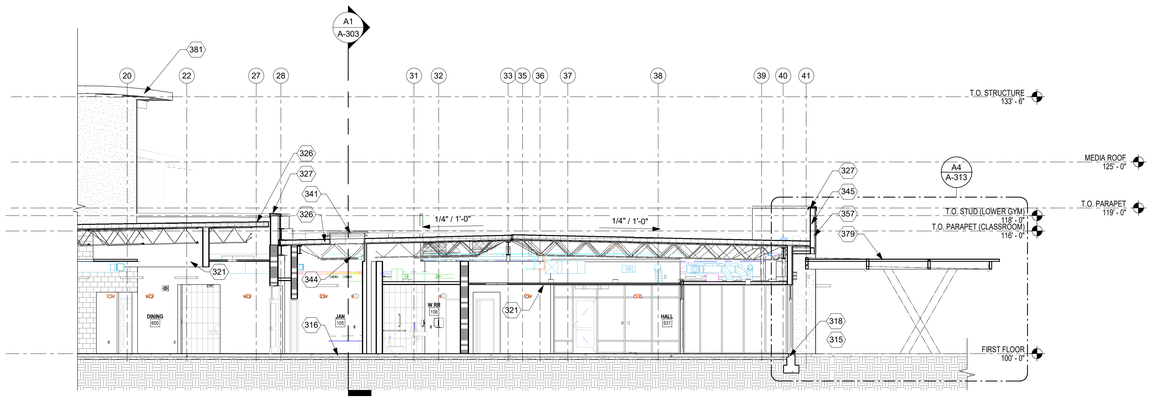
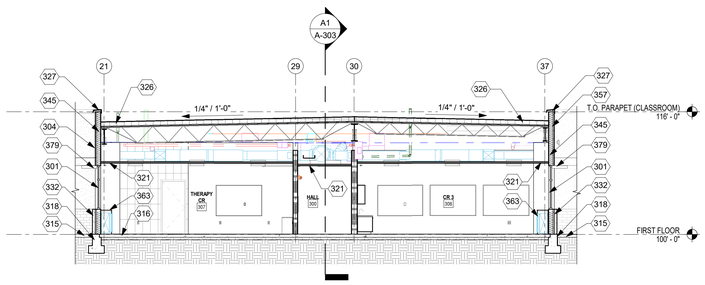
SHEET TITLE
BUILDING SECTIONS

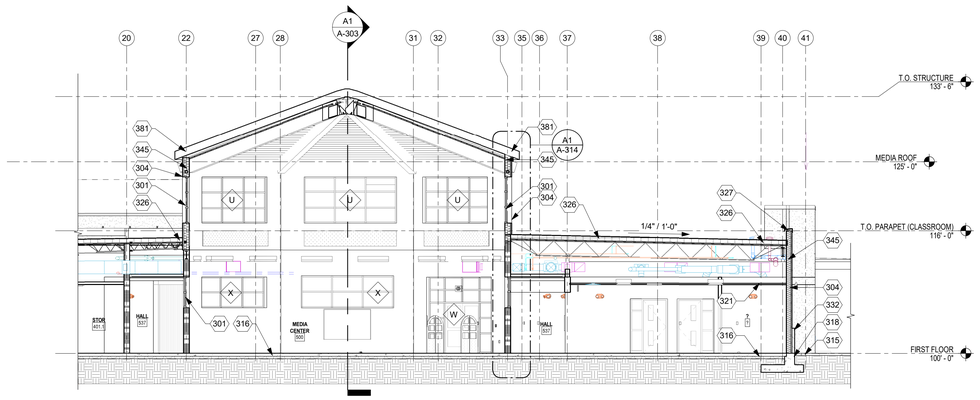
A-302



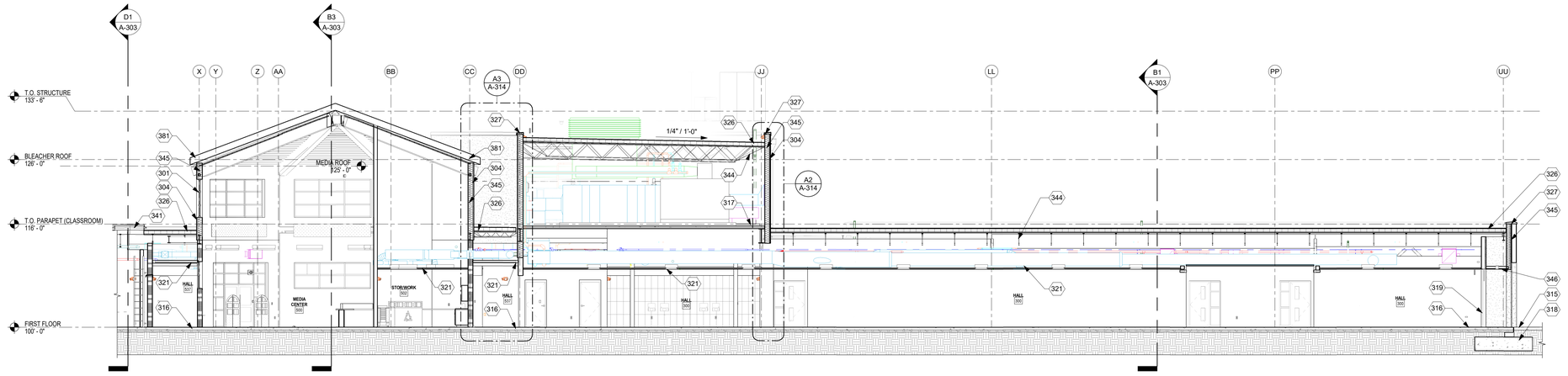
D1 BUILDING SECTION - ENTRANCE
1/8" = 1'-0"



B1 BUILDING SECTION - 5TH GRADE WING -
1/8" = 1'-0"



B3 BUILDING SECTION - HOGAN
1/8" = 1'-0"



A1 BUILDING SECTION - 5TH GRADE WING
1/8" = 1'-0"

KEYED NOTES

301	ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
304	3 COAT STUCCO SYSTEM OVER FLUID APPLIED WATER & AIR BARRIER OVER 2 1/2" EXTERIOR CONTINUOUS INSULATION ON METAL FRAMING. SEE ELEVATIONS FOR COLOR AND FINISH.
315	CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316	CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
317	CONCRETE SLAB OVER METAL DECK. SEE STRUCTURAL.
318	CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
319	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
321	FINISH CEILING. SEE RCP.
326	MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327	PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
332	4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
341	ROOF ACCESS LADDER AND HATCH. SEE ROOF DETAILS.
344	STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
345	STEEL STUD PARTITION. SEE PARTITION SCHEDULE.
346	STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS.
357	3 COAT STUCCO SYSTEM.
363	DISPLACEMENT AIR VENTILATION CHASE.
379	EXTERIOR CANOPY / SUNSHADE. SEE WALL SECTIONS AND DETAILS.
381	STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

GENERAL NOTES

A. CIVIL ELEVATIONS OF XXXX = 100'-0" ON ARCHITECTURAL SHEETS. BEARING HEIGHTS ARE SHOWN FOR REFERENCE TO 100'-0" AND NOT INVIDUAL HEIGHTS ABOVE FINISHED FLOORS. COORDINATED WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

B. ANY EXPOSED PENETRATIONS, FLASHINGS, VENTS, MECHANICAL EQUIPTMENT, UTILITY LINES, ETC. SHALL BE PAINTED TO COLOR AS SELECTED BY THE ARCHITECT. DO NOT PAINT PRE FINISHED ITEMS.

C. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.

D. MASONRY JOINTS IN MASONRY WALL SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. REFER TO CIVIL FOR ALL GRADING INFORMATION AROUND THE BUILDING.

SYMBOL LEGEND

XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)

Ref / 1 / A101 — BUILDING ELEVATION

1Ref / A101 — INTERIOR ELEVATION

1 / A101 SIM — BUILDING/ WALL SECTION

X — STRUCTURAL GRID

x — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)

X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)

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SHEET TITLE
BUILDING SECTIONS

A-303

School Information

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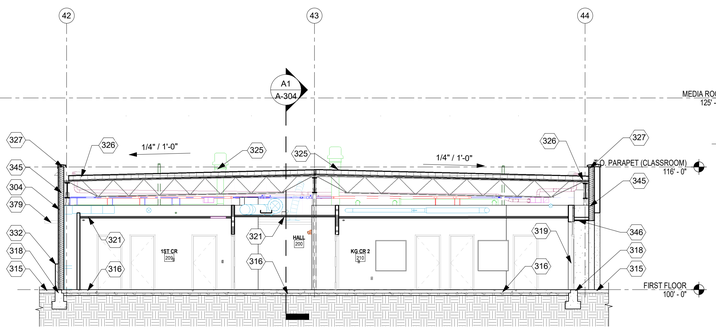
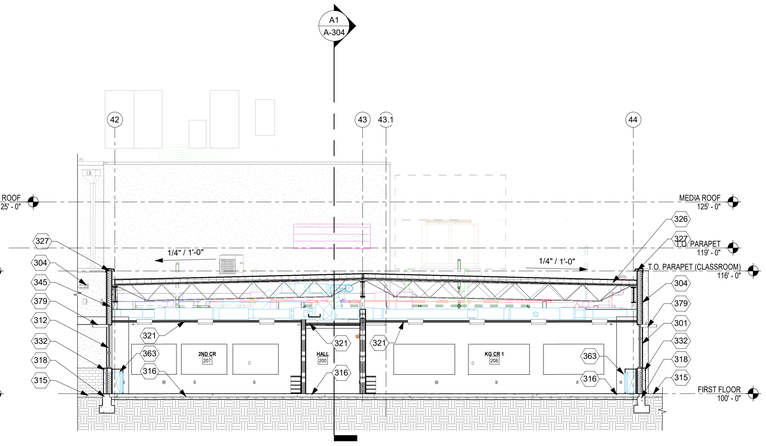
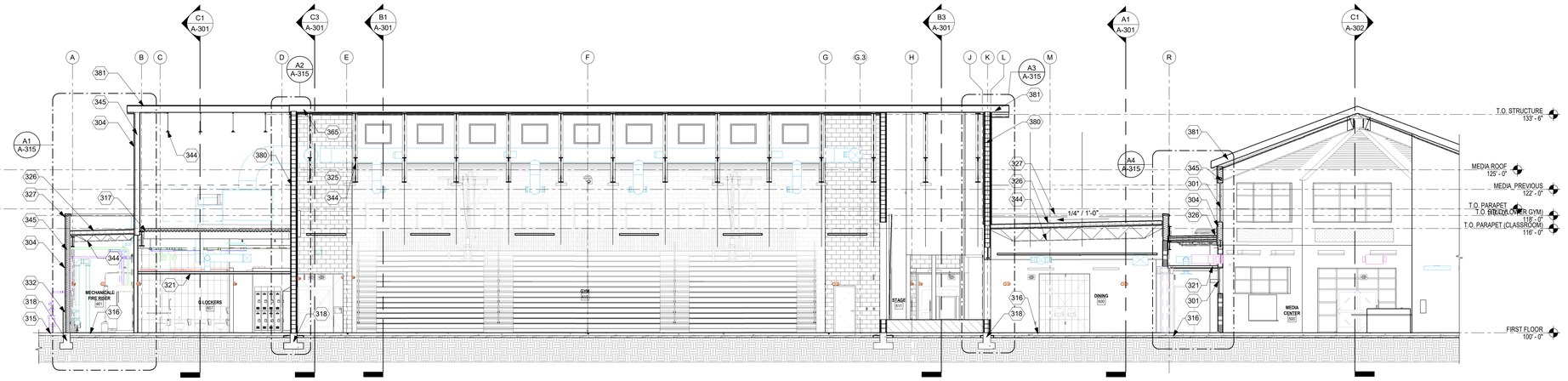


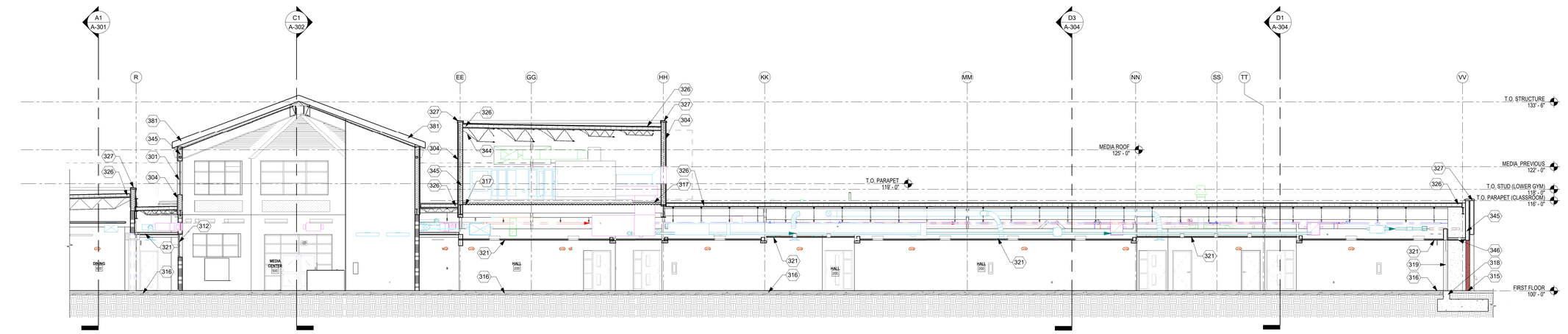
D1 BUILDING SECTION - K- 2ND WING - SOUTH
1/8" = 1'-0"



D3 BUILDING SECTION - K- 2ND WING - NORTH
1/8" = 1'-0"



B2 BUILDING SECTION - LOCKERS TO HOGAN
1/8" = 1'-0"



A1 BUILDING SECTION - HOGAN TO K- 2ND WING
1/8" = 1'-0"

KEYED NOTES

301 ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
304 3 COAT STUCCO SYSTEM OVER FLUID APPLIED WATER & AIR BARRIER OVER 2 1/2" EXTERIOR CONTINUOUS INSULATION ON METAL FRAMING. SEE ELEVATIONS FOR COLOR AND FINISH.
312 HOLLOW METAL WINDOW AND/OR STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
315 CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316 CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
317 CONCRETE SLAB OVER METAL DECK. SEE STRUCTURAL.
318 CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
319 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
321 FINISH CEILING. SEE RCP.
325 EXPOSED MECHANICAL EQUIPMENT OR DUCTWORK. PAINT ALL EXPOSED ELEMENTS, COLOR TO BE SELECTED BY ARCHITECT. DO NOT PAINT PREFINISHED ELEMENTS.
326 MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327 PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
329 MEMBRANE ROOFING SYSTEM OVER COVER BOARD AND R-30 RIGID INSULATION. SEE ROOF DETAILS.
332 4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
344 STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
345 STEEL STUD PARTITION. SEE PARTITION SCHEDULE.
346 STUCCO SOFFIT. SEE WALL SECTIONS AND DETAILS.
363 DISPLACEMENT AIR VENTILATION CHASE.
365 LONG SPAN ROOF DECK CEILING SYSTEMS.
379 EXTERIOR CANOPY / SUNSHADE. SEE WALL SECTIONS AND DETAILS.
380 12" CMU WALL. SEE STRUCTURAL, WALL SECTION AND DETAILS.
381 STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

GENERAL NOTES

A. CIVIL ELEVATIONS OF XXXX = 100' - 0" ON ARCHITECTURAL SHEETS. BEARING HEIGHTS ARE SHOWN FOR REFERENCE TO 100'-0" AND NOT INVIDUAL HEIGHTS ABOVE FINISHED FLOORS. COORDINATED WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

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D. MASONRY JOINTS IN MASONRY WALL SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. REFER TO CIVIL FOR ALL GRADING INFORMATION AROUND THE BUILDING.

SYMBOL LEGEND

XX — DOOR TYPE (FOR INFORMATION SEE SHEET A-601)

Ref / 1 / A101 / 1 / Ref / Ref — BUILDING ELEVATION

1Ref / 1Ref / A101 / 1Ref / 1Ref — INTERIOR ELEVATION

1 / A101 SIM — BUILDING/ WALL SECTION

x — STRUCTURAL GRID

x — WINDOW TYPE (FOR INFORMATION SEE SHEET A-603)

X — PARTITION TYPE (FOR INFORMATION SEE SHEET A-501)

F.E.C — FIRE EXTINGUISHER

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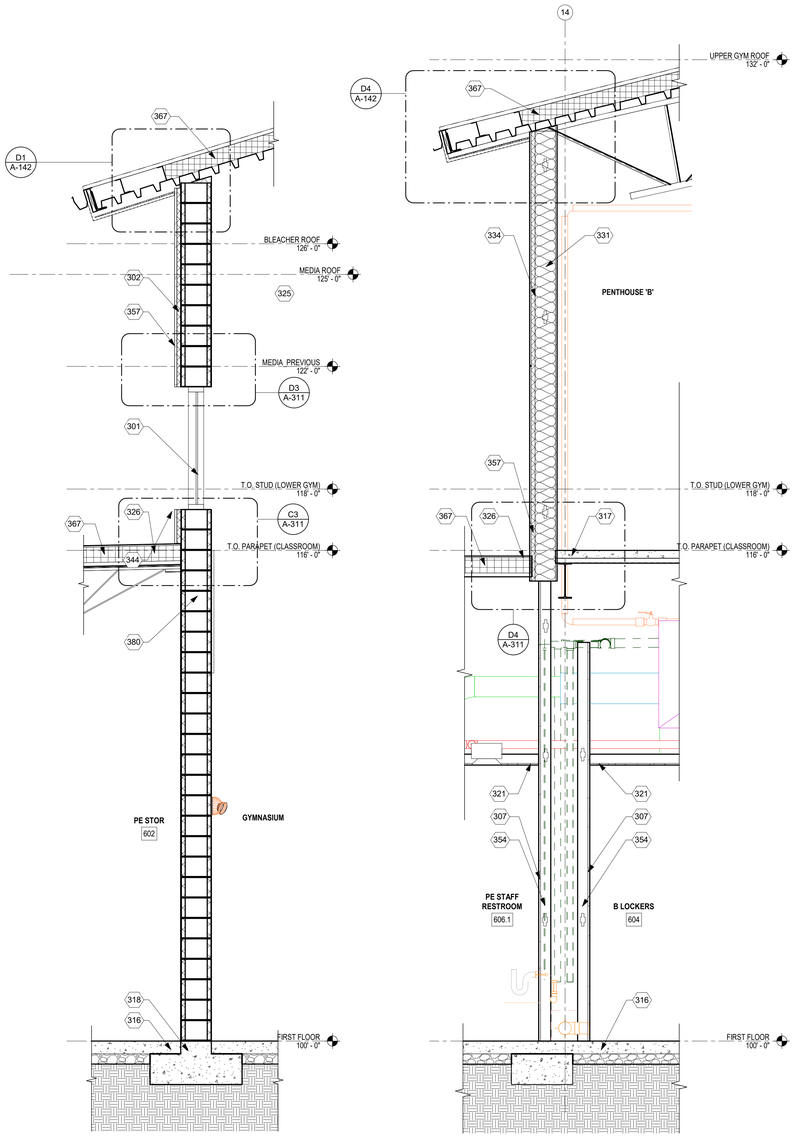
SHEET TITLE

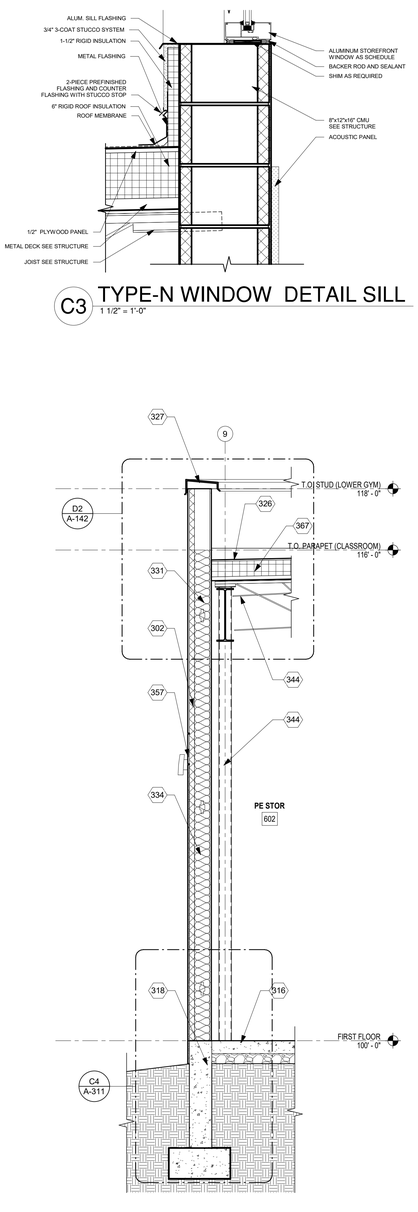
BUILDING SECTIONS

A-304

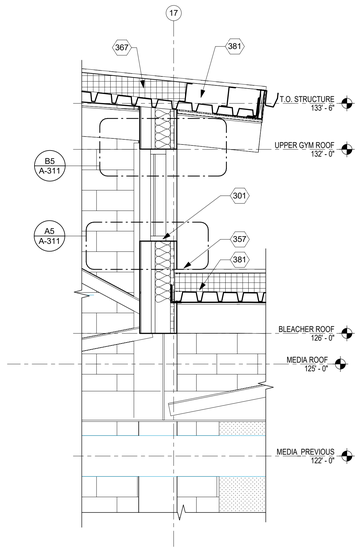


A1 WALL SECTION - GYMNASIUM
1/2" = 1'-0"

A2 WALL SECTION - LOCKERS
1/2" = 1'-0"

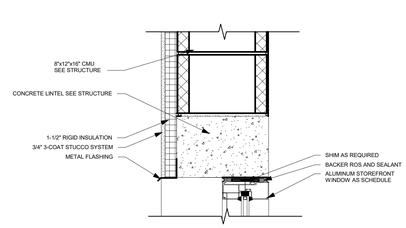


A3 WALL SECTION - P.E. STORAGE
1/2" = 1'-0"

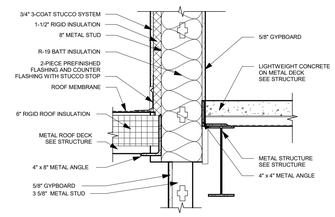


A4 WALL SECTION - GYM CLERESTORY
1/2" = 1'-0"

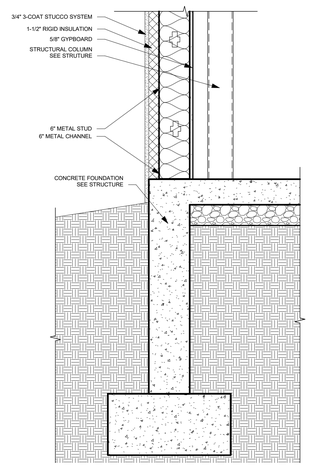
C3 TYPE-N WINDOW DETAIL SILL
1 1/2" = 1'-0"



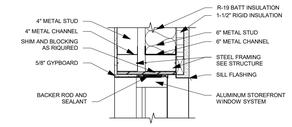
D3 TYPE-N WINDOW DETAIL HEAD
1 1/2" = 1'-0"



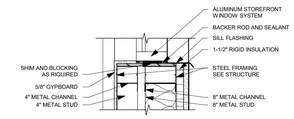
D4 DETAIL LOCKERS / PENTHOUSE
1" = 1'-0"



C4 WALL DETAIL - P.E. STORAGE
1" = 1'-0"



B5 GYM CLERESTORY WINDOW - HEAD
1" = 1'-0"



A5 GYM CLERESTORY WINDOWS - SILL
1" = 1'-0"

GENERAL NOTES

A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL SIMILAR MATERIALS.

B. BEARING / T.O. WALL AND T.O.S ELEVATIONS ARE SHOWN REFERENCED TO 100'-0" (0'-0" F.F.) AND ARE NOT INDIVIDUAL HEIGHTS ABOVE FINISHED FLOORS.

C. COORDINATE WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

D. EXPANSION JOINTS SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. FOR INTERIOR INFORMATION IN SPACES. SEE ENLARGED PLANS, ELEVATIONS AND ID SHEETS.

F. COORDINATE ALL OPENINGS WITH DOOR AND WINDOW DETAILS. SEE DOOR AND WINDOW SHEETS FOR INFORMATION.

G. FINISH AND INSTALL ANTI-GRAFFITI COATING AT ALL EXTERIOR STUCCO FINISH.

H. APPLY DAMPPROOFING AT ALL BUILDING WALL FOOTING/FOUNDATIONS, PLANTERS AND OPPOSITE SIDE OF RETAINING WALL.

KEYED NOTES

301	ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
302	1-1/2" CONTINUOUS RIGID INSULATION.
307	5/8" TYPE 'X' GYPSUM BOARD. TAPE, TEXTURE.
316	CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
317	CONCRETE SLAB OVER METAL DECK. SEE STRUCTURAL.
318	CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
321	FINISH CEILING. SEE RCP.
325	EXPOSED MECHANICAL EQUIPMENT OR DUCTWORK, PAINT ALL EXPOSED ELEMENTS, COLOR TO BE SELECTED BY ARCHITECT. DO NOT PAINT PREFINISHED ELEMENTS.
326	MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327	PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
331	R-13 BATT INSULATION.
334	8" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
344	STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
354	3 5/8" METAL FRAMING.
357	3 COAT STUCCO SYSTEM.
367	6" RIGID ROOF INSULATION.
380	12" CMU WALL. SEE STRUCTURAL, WALL SECTION AND DETAILS.
381	STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

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ARCHITECT

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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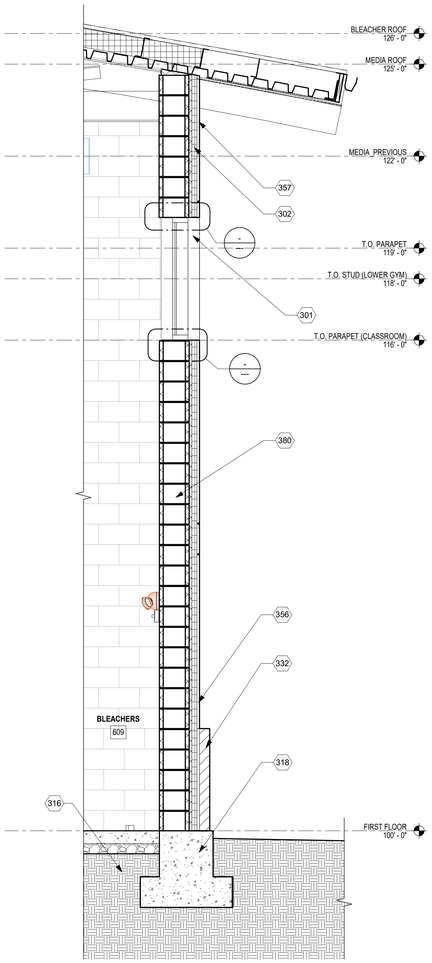
DRAWN BY:	FBT
CHECKED BY:	JT

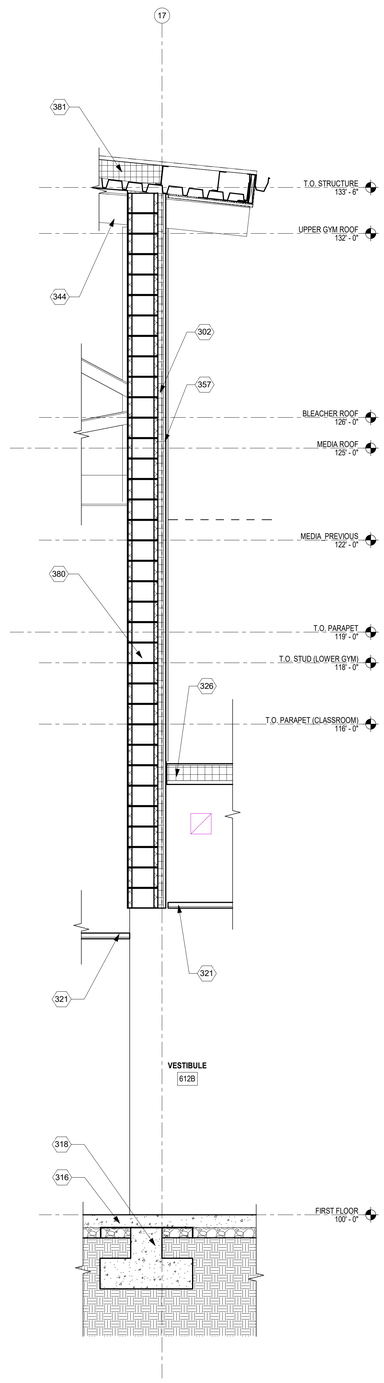
SHEET TITLE

WALL SECTIONS

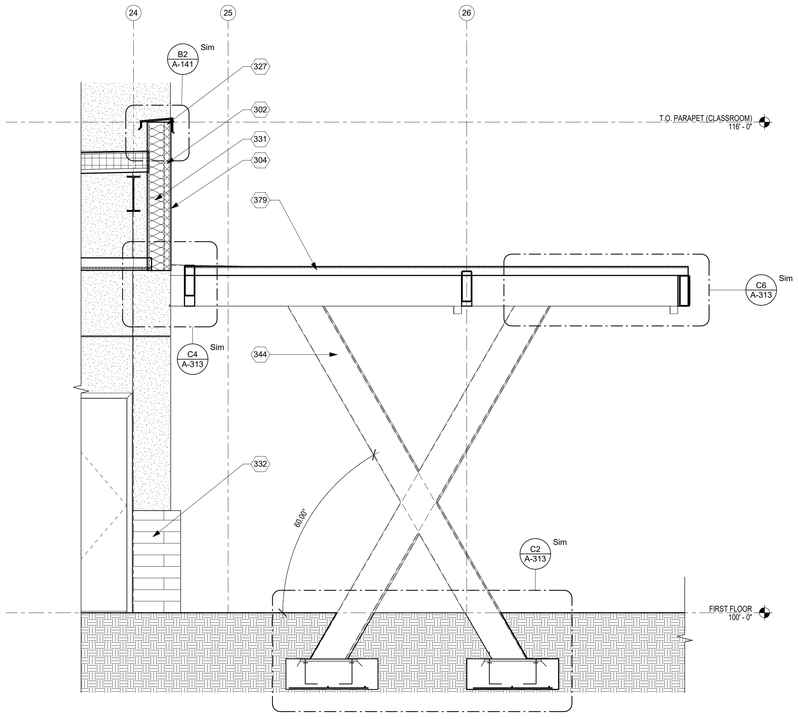
A-311



A1 WALL SECTION - GYM BLEACHERS
1/2" = 1'-0"



A2 WALL SECTION - DINING VESTIBULE
1/2" = 1'-0"



A4 SECTION - GYM CANOPY
1/2" = 1'-0"

GENERAL NOTES

A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL SIMILAR MATERIALS.

B. BEARING / T.O. WALL AND T.O.S ELEVATIONS ARE SHOWN REFERENCED TO 100'-0" (0'-0" F.F.) AND ARE NOT INDIVIDUAL HEIGHTS ABOVE FINISHED FLOORS.

C. COORDINATE WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

D. EXPANSION JOINTS SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. FOR INTERIOR INFORMATION IN SPACES. SEE ENLARGED PLANS, ELEVATIONS AND ID SHEETS.

F. COORDINATE ALL OPENINGS WITH DOOR AND WINDOW DETAILS. SEE DOOR AND WINDOW SHEETS FOR INFORMATION.

G. FINISH AND INSTALL ANTI-GRAFFITI COATING AT ALL EXTERIOR STUCCO FINISH.

H. APPLY DAMPPROOFING AT ALL BUILDING WALL FOOTING/FOUNDATIONS, PLANTERS AND OPPOSITE SIDE OF RETAINING WALL.

KEYED NOTES

301	ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
302	1-1/2" CONTINUOUS RIGID INSULATION.
304	3 COAT STUCCO SYSTEM OVER FLUID APPLIED WATER & AIR BARRIER OVER 2 1/2" EXTERIOR CONTINUOUS INSULATION ON METAL FRAMING. SEE ELEVATIONS FOR COLOR AND FINISH.
316	CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
318	CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
321	FINISH CEILING. SEE RCP.
326	MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327	PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
331	R-13 BATT INSULATION.
332	4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
344	STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
356	1" AIR GAP.
357	3 COAT STUCCO SYSTEM.
379	EXTERIOR CANOPY / SUNSHADE. SEE WALL SECTIONS AND DETAILS.
380	12" CMU WALL. SEE STRUCTURAL, WALL SECTION AND DETAILS.
381	STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

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SHEET TITLE
WALL SECTIONS

A-312

School Information

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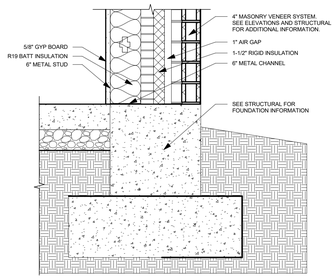
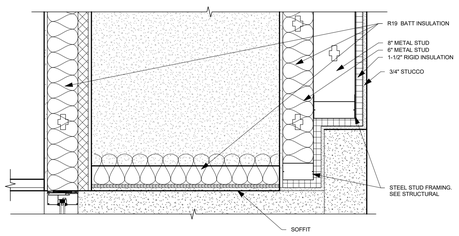
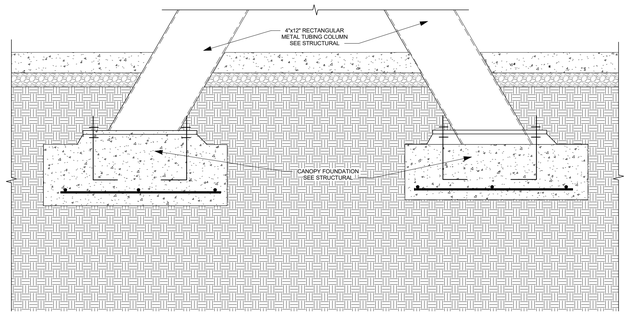


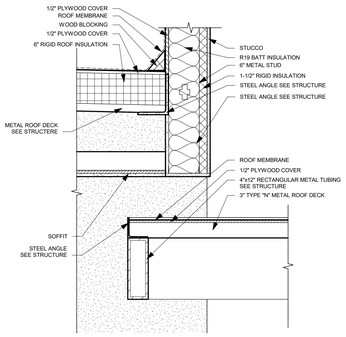
D2 FOUNDATION DETAIL - RECEP.
1" = 1'-0"



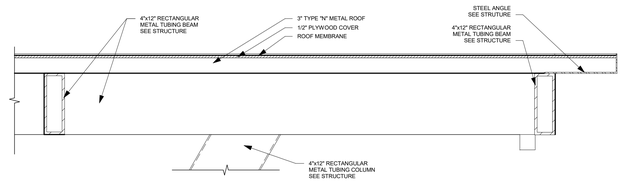
D4 DETAIL - SOFFIT @ ENTRANCE
1" = 1'-0"



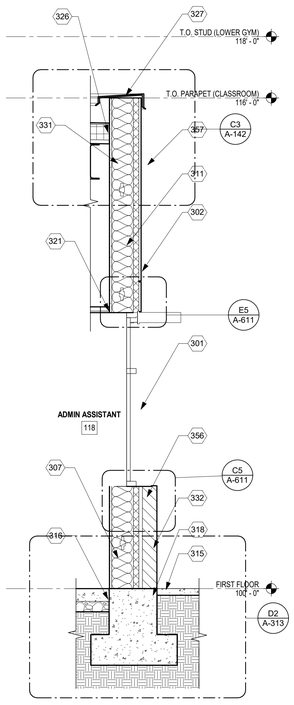
C2 CANOPY FOUNDATION DETAIL
1" = 1'-0"



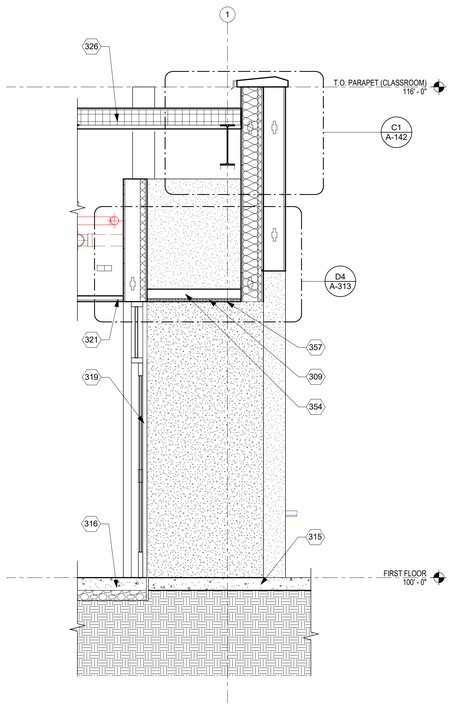
C4 CANOPY CONECTION DETAIL
1" = 1'-0"



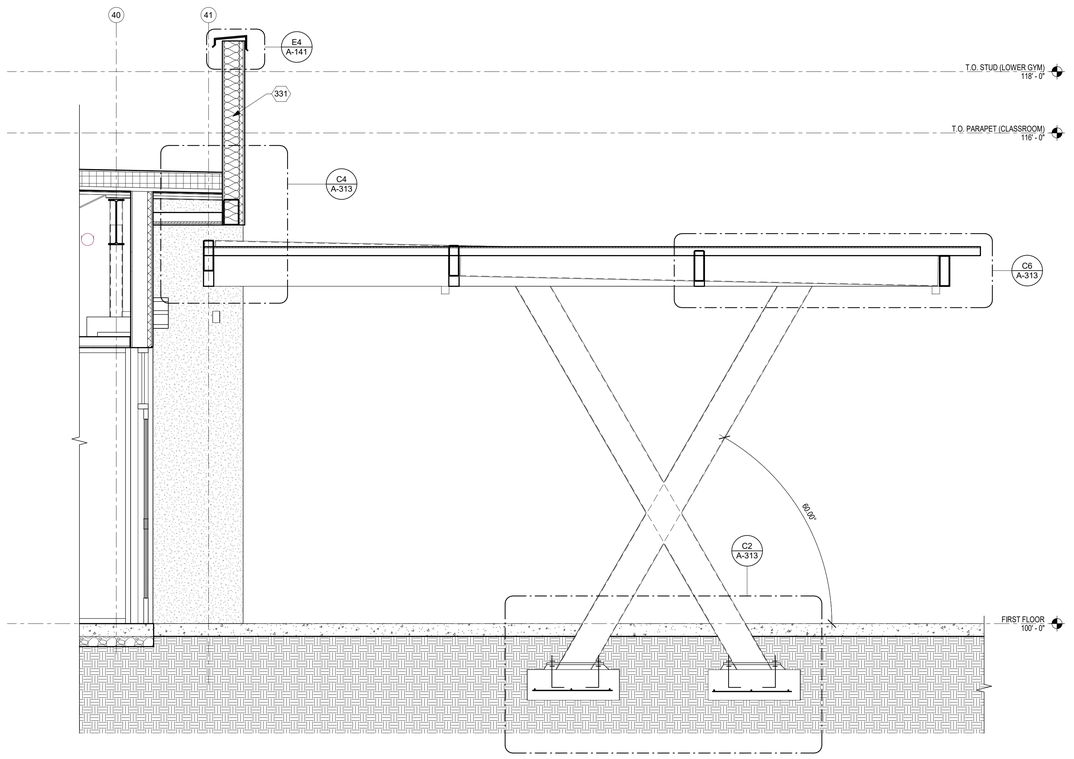
C6 ENTRANCE CANOPY DETAIL
1" = 1'-0"



A1 WALL SECTION - RECEP.
1/2" = 1'-0"



A2 WALL SECTION - ENTRANCE
1/2" = 1'-0"



A4 BUILDING SECTION - ENTRANCE - Callout 1
1/2" = 1'-0"

GENERAL NOTES

A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL SIMILAR MATERIALS.

B. BEARING / T.O. WALL AND T.O.S ELEVATIONS ARE SHOWN REFERENCED TO 100'-0" (0'-0" F.F.) AND ARE NOT INDIVIDUAL HEIGHTS ABOVE FINISHED FLOORS.

C. COORDINATE WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

D. EXPANSION JOINTS SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. FOR INTERIOR INFORMATION IN SPACES. SEE ENLARGED PLANS, ELEVATIONS AND ID SHEETS.

F. COORDINATE ALL OPENINGS WITH DOOR AND WINDOW DETAILS. SEE DOOR AND WINDOW SHEETS FOR INFORMATION.

G. FINISH AND INSTALL ANTI-GRAFFITI COATING AT ALL EXTERIOR STUCCO FINISH.

H. APPLY DAMPPROOFING AT ALL BUILDING WALL FOOTING/FOUNDATIONS, PLANTERS AND OPPOSITE SIDE OF RETAINING WALL.

KEYED NOTES

301	ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
302	1-1/2" CONTINUOUS RIGID INSULATION.
307	5/8" TYPE 'X' GYPSUM BOARD. TAPE, TEXTURE.
309	5/8" CDX PLYWOOD.
311	6" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
315	CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316	CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
318	CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
319	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
321	FINISH CEILING. SEE RCP.
326	MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327	PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
331	R-13 BATT INSULATION.
332	4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
354	3 5/8" METAL FRAMING.
356	1" AIR GAP.
357	3 COAT STUCCO SYSTEM.

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SHEET TITLE

WALL SECTIONS

A-313

School Information

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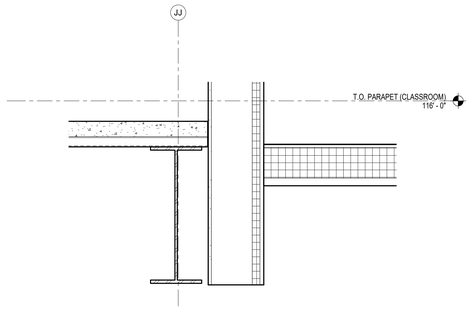

E5 GYM'S PENTHOUSE DETAIL
1" = 1'-0"

GENERAL NOTES

A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL SIMILAR MATERIALS.

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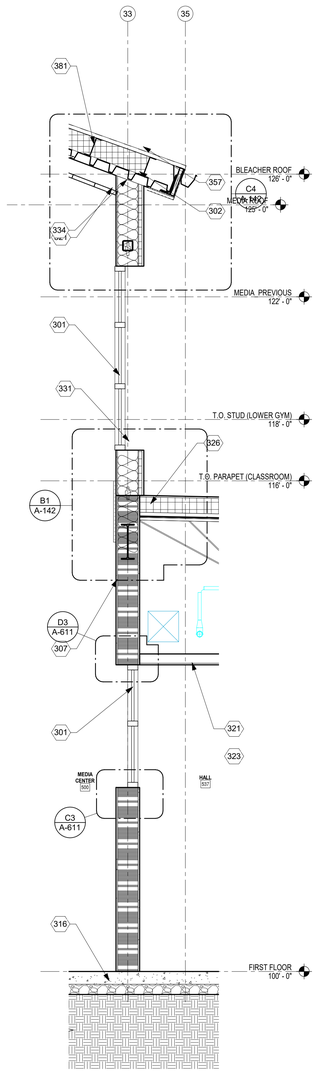
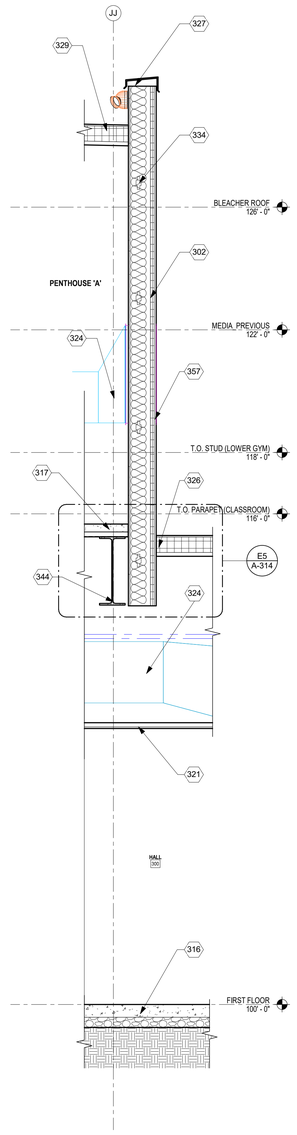
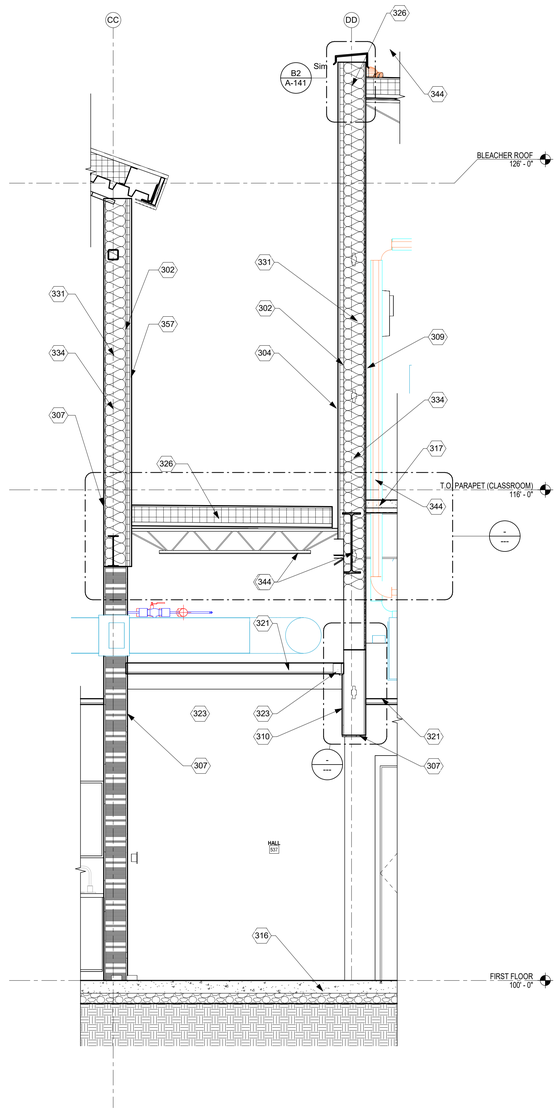
307 5/8" TYPE 'X' GYPSUM BOARD. TAPE, TEXTURE.
309 5/8" CDX PLYWOOD.
310 5/8" TYPE 'X' GYPSUM BOARD ON 2 1/2" METAL FRAMING. TAPE, TEXTURE, PAINT. INFILL CAVITY WITH R-19 THERMAL INSULATION.
311 6" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
315 CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316 CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
317 CONCRETE SLAB OVER METAL DECK. SEE STRUCTURAL.
318 CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
321 FINISH CEILING. SEE RCP.
323 LIGHT FIXTURE. SEE RCP AND ELECTRICAL.
324 MECHANICAL DUCTWORK. SEE MECHANICAL.
326 MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327 PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
329 MEMBRANE ROOFING SYSTEM OVER COVER BOARD AND R-30 RIGID INSULATION. SEE ROOF DETAILS.
331 R-13 BATT INSULATION.
332 4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
334 8" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
344 STEEL STRUCTURE. SEE STRUCTURAL, PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
357 3 COAT STUCCO SYSTEM.
381 STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.



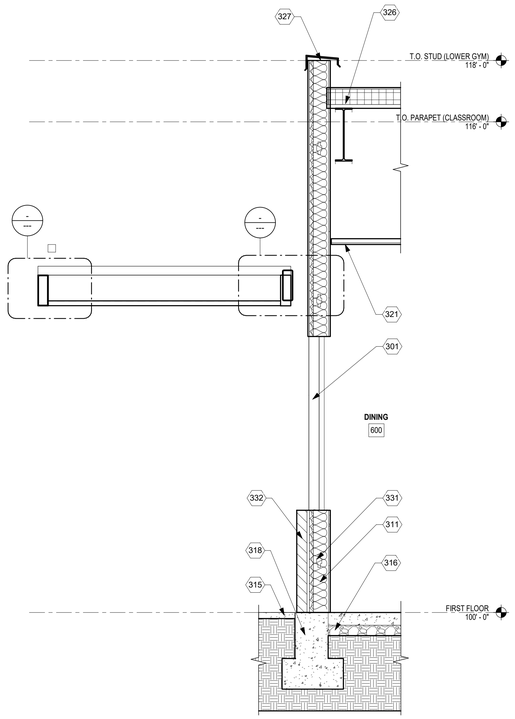
A1 WALL SECTION - HOGAN
1/2" = 1'-0"



A2 WALL SECTION - PENTHOUSE
1/2" = 1'-0"



A3 WALL SECTION - PENTHOUSE @ HOGAN
1/2" = 1'-0"



A5 WALL SECTION - DINING
1/2" = 1'-0"

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99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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CHECKED BY:	JT

SHEET TITLE
WALL SECTIONS

A-314

School Information

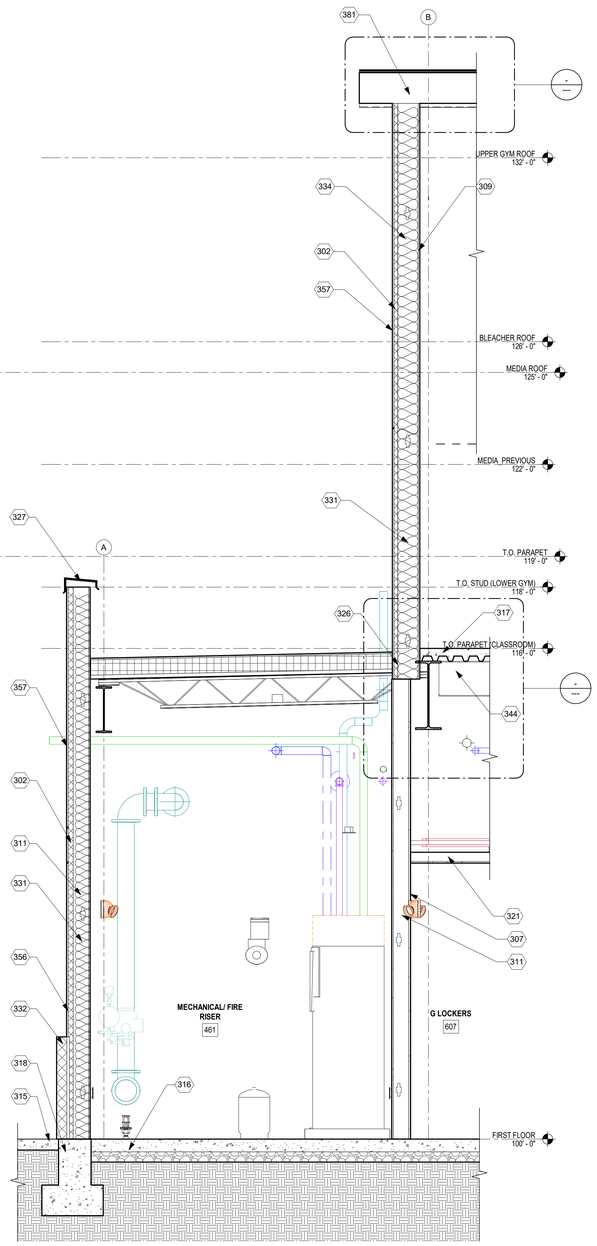
10/8/2020 3:02:54 PM

KEYED NOTES

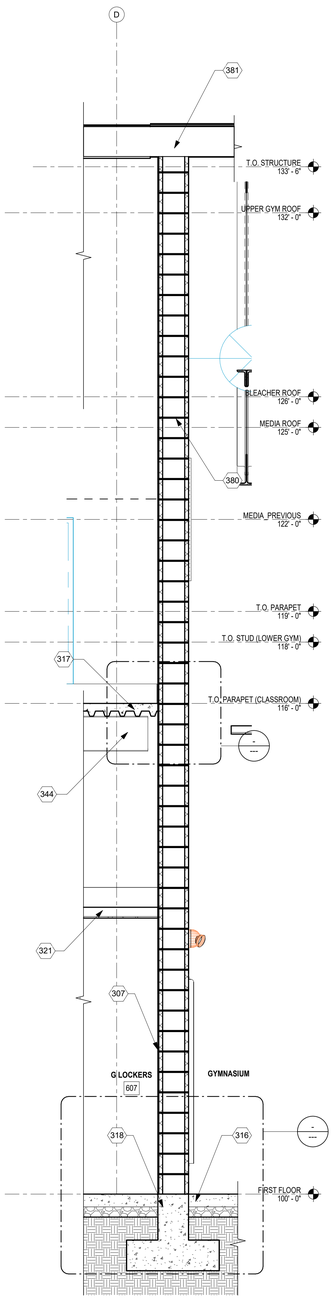
301 ALUMINUM STOREFRONT SYSTEM. SEE WINDOW FRAME ELEVATIONS.
302 1-1/2" CONTINUOUS RIGID INSULATION.
307 5/8" TYPE 'X' GYPSUM BOARD. TAPE, TEXTURE.
309 5/8" CDX PLYWOOD.
311 6" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
315 CONCRETE SIDEWALK OR MOWSTRIP. SEE SITE PLAN.
316 CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND AGGREGATE BASE COURSE ON PREPARED SUBGRADE. SEE STRUCTURAL AND GEOTECHNICAL REPORT.
317 CONCRETE SLAB OVER METAL DECK. SEE STRUCTURAL.
318 CONCRETE STEM WALL AND FOOTING. SEE STRUCTURAL.
321 FINISH CEILING. SEE RCP.
323 LIGHT FIXTURE. SEE RCP AND ELECTRICAL.
324 MECHANICAL DUCTWORK. SEE MECHANICAL.
325 EXPOSED MECHANICAL EQUIPMENT OR DUCTWORK. PAINT ALL EXPOSED ELEMENTS, COLOR TO BE SELECTED BY ARCHITECT. DO NOT PAINT PREFINISHED ELEMENTS.
326 MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
327 PREFINISHED METAL COPING CAP. SEE ROOF DETAILS A-141.
329 MEMBRANE ROOFING SYSTEM OVER COVER BOARD AND R-30 RIGID INSULATION. SEE ROOF DETAILS.
331 R-13 BATT INSULATION.
332 4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
334 8" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
344 STEEL STRUCTURE. SEE STRUCTURAL. PAINT ALL EXPOSED SECTIONS, INCLUDING STRUCTURAL DECK. COLOR TO BE SELECTED BY ARCHITECT.
345 STEEL STUD PARTITION. SEE PARTITION SCHEDULE.
356 1" AIR GAP.
357 3 COAT STUCCO SYSTEM.
380 12" CMU WALL. SEE STRUCTURAL, WALL SECTION AND DETAILS.
381 STANDING SEAM METAL ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.

GENERAL NOTES

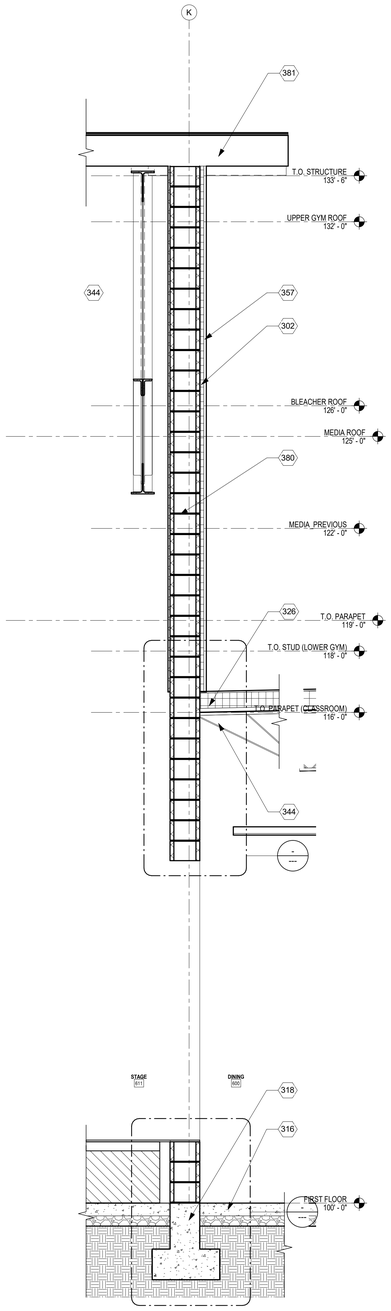
A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL SIMILAR MATERIALS.
B. BEARING / T.O. WALL AND T.O.S ELEVATIONS ARE SHOWN REFERENCED TO 100'-0" (0'-0" F.F.) AND ARE NOT INDIVIDUAL HEIGHTS ABOVE FINISHED FLOORS.
C. COORDINATE WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.
D. EXPANSION JOINTS SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.
E. FOR INTERIOR INFORMATION IN SPACES. SEE ENLARGED PLANS, ELEVATIONS AND ID SHEETS.
F. COORDINATE ALL OPENINGS WITH DOOR AND WINDOW DETAILS. SEE DOOR AND WINDOW SHEETS FOR INFORMATION.
G. FINISH AND INSTALL ANTI-GRAFFITI COATING AT ALL EXTERIOR STUCCO FINISH.
H. APPLY DAMPPROOFING AT ALL BUILDING WALL FOOTING/FOUNDATIONS, PLANTERS AND OPPOSITE SIDE OF RETAINING WALL.



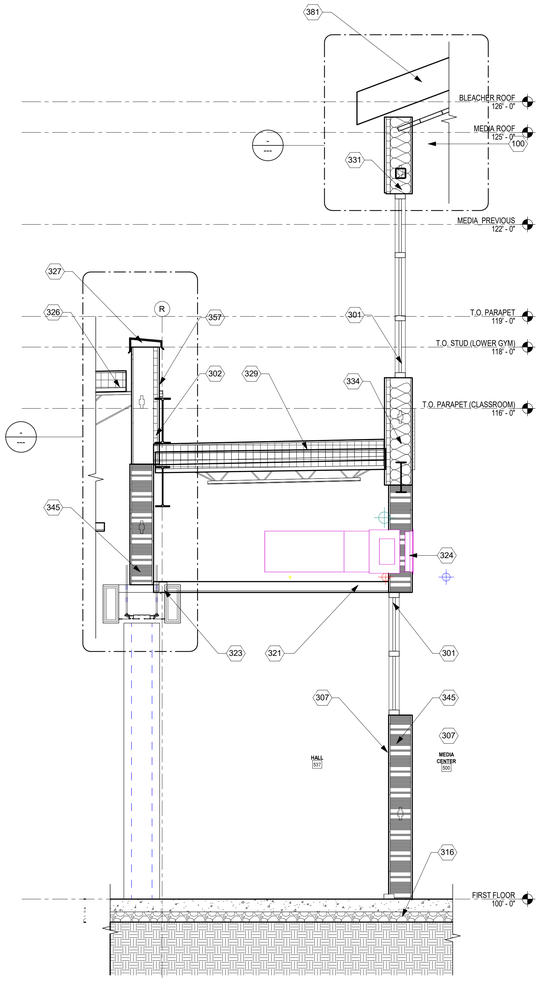
A1 WALL SECTION LOCKERS @ MECH
1/2" = 1'-0"



A2 WALL SECTION - LOCKER @ GYM
1/2" = 1'-0"



A3 WALL SECTION - DINING STAGE
1/2" = 1'-0"



A4 BUILDING SECTION - HALL AND HOGAN
1/2" = 1'-0"

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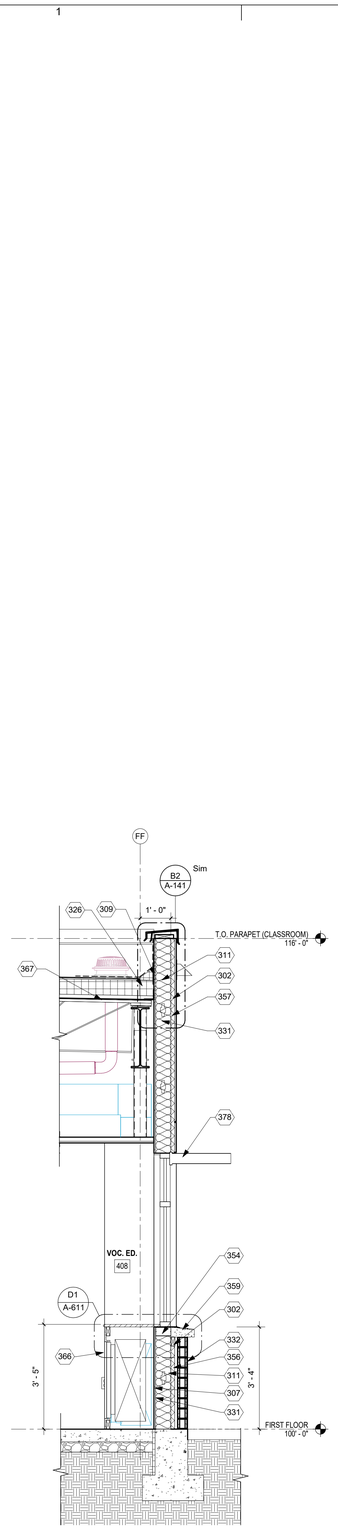
A-315



A1 CLASSROOM WALL SECTION TYP.
1/2" = 1'-0"

GENERAL NOTES

A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL SIMILAR MATERIALS.

B. BEARING / T.O. WALL AND T.O.S ELEVATIONS ARE SHOWN REFERENCED TO 100'-0" (0'-0" F.F.) AND ARE NOT INDIVIDUAL HEIGHTS ABOVE FINISHED FLOORS.

C. COORDINATE WITH FLOOR PLAN DRAWINGS AND STRUCTURAL.

D. EXPANSION JOINTS SHALL BE COORDINATED WITH STRUCTURAL REQUIREMENTS.

E. FOR INTERIOR INFORMATION IN SPACES. SEE ENLARGED PLANS, ELEVATIONS AND ID SHEETS.

F. COORDINATE ALL OPENINGS WITH DOOR AND WINDOW DETAILS. SEE DOOR AND WINDOW SHEETS FOR INFORMATION.

G. FINISH AND INSTALL ANTI-GRAFFITI COATING AT ALL EXTERIOR STUCCO FINISH.

H. APPLY DAMPPROOFING AT ALL BUILDING WALL FOOTING/FOUNDATIONS, PLANTERS AND OPPOSITE SIDE OF RETAINING WALL.

KEYED NOTES

302	1-1/2" CONTINUOUS RIGID INSULATION.
307	5/8" TYPE 'X' GYPSUM BOARD. TAPE, TEXTURE.
309	5/8" CDX PLYWOOD.
311	6" METAL FRAMING. FOR EXTERIOR WALLS SEE STRUCTURAL.
326	MEMBRANE ROOFING SYSTEM. SEE ROOF PLAN AND DETAILS.
331	R-13 BATT INSULATION.
332	4" MASONRY VENEER SYSTEM OVER STEEL STUD FRAMING, SEE WALL SECTIONS AND DETAILS. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.
354	3 5/8" METAL FRAMING.
356	1" AIR GAP.
357	3 COAT STUCCO SYSTEM.
359	VENEER CAP SILL.
366	PLASTIC LAMINATE PANEL FACE.
367	6" RIGID ROOF INSULATION.
378	ALUMINUM SUNSHADE BY WINDOW MANUFACTURER. HORIZONTAL TYPE. ATTACH TO WINDOW FRAM PER WINDOW MANUFACTURER'S RECOMMENDATION. SEE WINDOW DETAILS.

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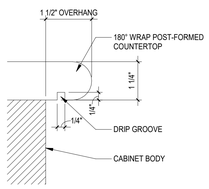
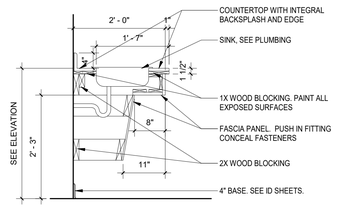
A-316

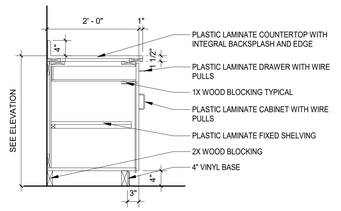


E1 COUNTER EDGE
6" = 1'-0"

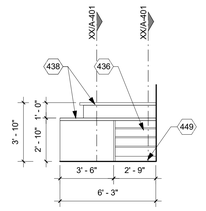
NOTE:
PROVIDE TREATED PLYWOOD AT CASEWORK WITH SINK.
SEE SPECIFICATIONS FOR DETAILS.



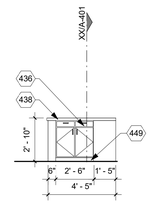
E2 IN COUNTER SINK
3/4" = 1'-0"



E3 LOWER CASEWORK
3/4" = 1'-0"



E4 MEDIA - INT FRONT
1/4" = 1'-0"



E5 MEDIA - INT SIDE
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

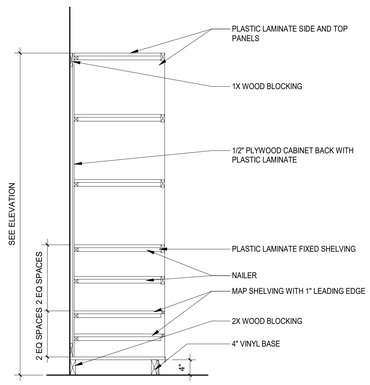
K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

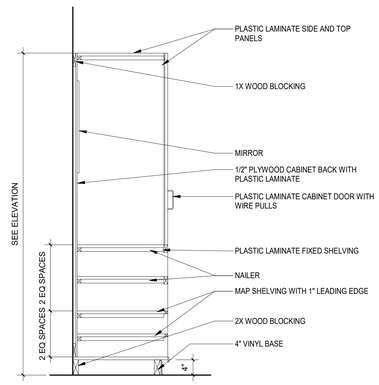
M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF...

KEYED NOTES

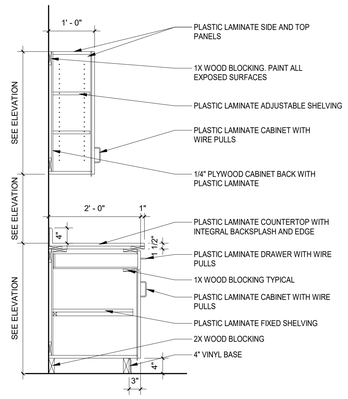
408	ALUMINUM STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
411	DASHED FURNISHINGS NOT IN CONTRACT.
413	DASHED EQUIPMENT NOT IN CONTRACT. PROVIDE ROUGH-INS AS REQUIRED. SEE MECHANICAL, ELECTRICAL, AND PLUMBING.
423	FINISH CEILING. SEE RCP.
426	GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
427	IN-COUNTER SINK. SEE PLUMBING.
436	PLASTIC LAMINATE CASEWORK.
438	PLASTIC LAMINATE COUNTER TOP.
449	WALL BASE. SEE FINISH SCHEDULE ID-100.
457	MANUAL SECURITY GATE.



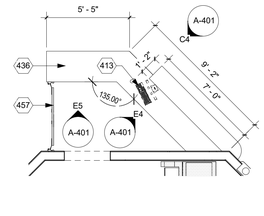
C1 WARDROBE SHELVES
3/4" = 1'-0"



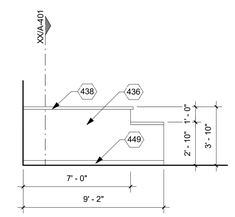
C2 WARDROBE DETAIL
3/4" = 1'-0"



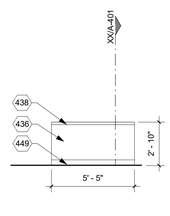
C3 CASEWORK DETAIL UPPER
3/4" = 1'-0"



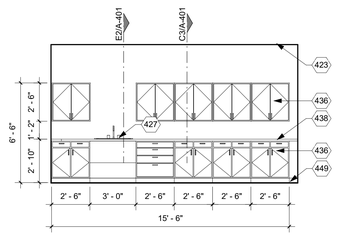
B4 MEDIA CENTER DESK
1/4" = 1'-0"



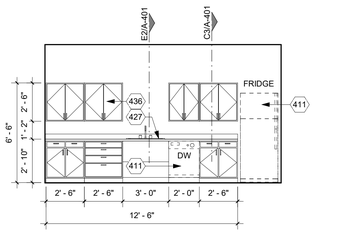
C4 MEDIA CENTER - FRONT
1/4" = 1'-0"



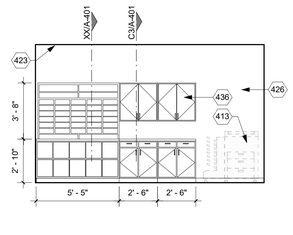
C5 MEDIA CENTER - SIDE
1/4" = 1'-0"



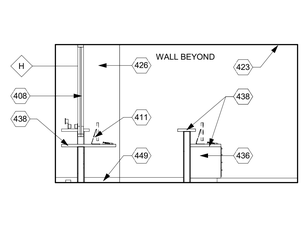
B1 MEDIA WORKROOM - CASEWORK
1/4" = 1'-0"



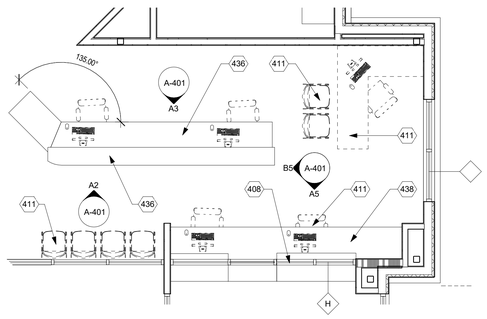
B2 LOUNGE - CASEWORK
1/4" = 1'-0"



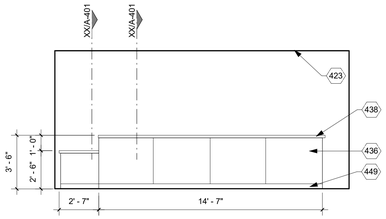
B3 COPY ROOM - CASEWORK
1/4" = 1'-0"



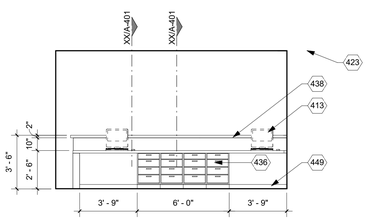
B5 RECEP - FRONT SECURITY
1/4" = 1'-0"



A1 ENLARGED PLAN - RECEPTION
1/4" = 1'-0"



A2 RECEP DESK - FRONT
1/4" = 1'-0"



A3 RECEP DESK - BACK
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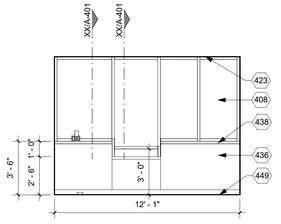
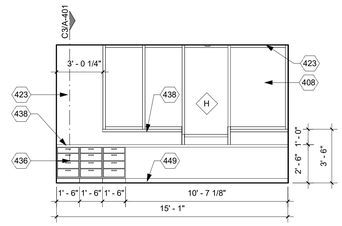


A4 SECURITY DESK - FRONT
1/4" = 1'-0"



A5 SECURITY DESK - BACK
1/4" = 1'-0"

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SITE
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FOOD SERVICE
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Albuquerque, NM 87107
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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

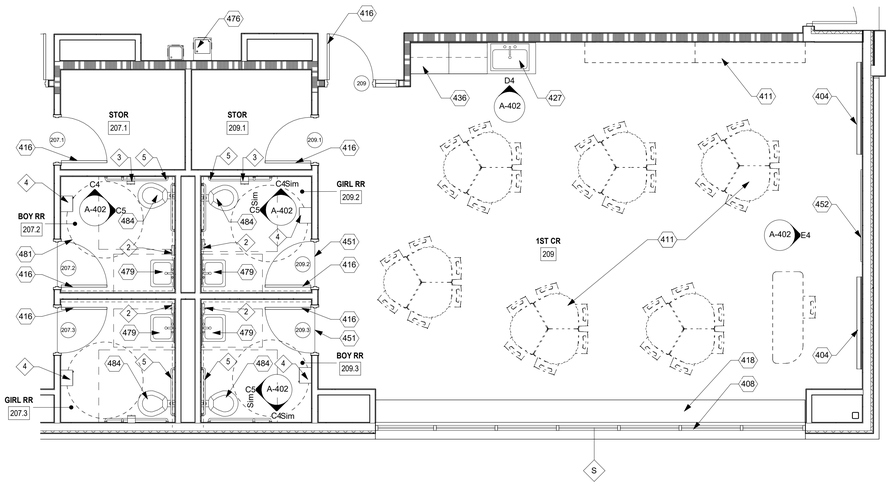
ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	FBT
CHECKED BY:	JT

SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

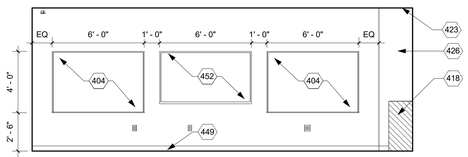
A-401

School Information

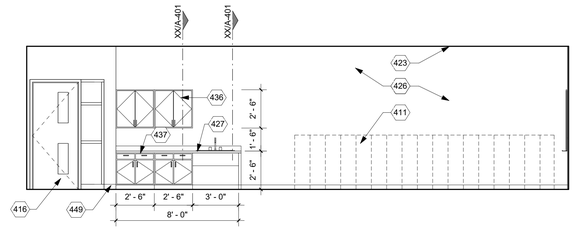


D1 1ST GRADE - ENLARGED PLAN
1/4" = 1'-0"

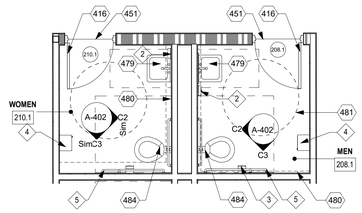
RR 210.2, 210.3, 208.2,208.3 SIMILAR



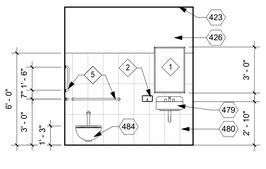
E4 TYP. CLASSROOM INSTRUCTION WALL
1/4" = 1'-0"



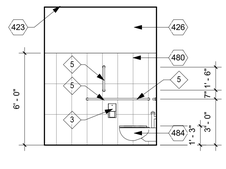
D4 TYP. CLASSROOM CASEWORK
1/4" = 1'-0"



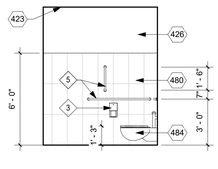
C1 RR 210.1 & 208.1
1/4" = 1'-0"



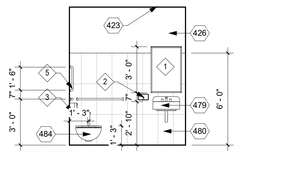
C2 RR 208.1 FIXTURE
1/4" = 1'-0"



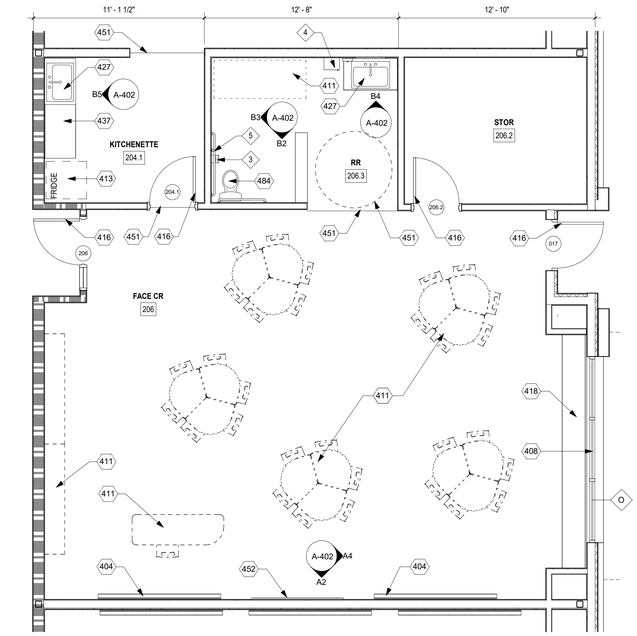
C3 RR 208.1 SIDE
1/4" = 1'-0"



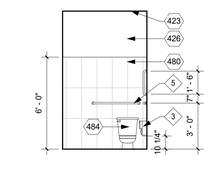
C4 BOYS RR 207.2 SIDE
1/4" = 1'-0"



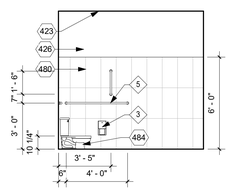
C5 BOYS RR 207.2 FIXTURE
1/4" = 1'-0"



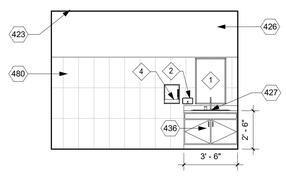
A1 FACE CLASSROOM - ENLARGED PLAN
1/4" = 1'-0"



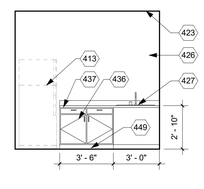
B2 FACE RR - FIXTURE
1/4" = 1'-0"



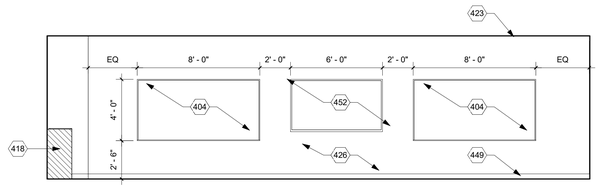
B3 FACE RR - SIDE
1/4" = 1'-0"



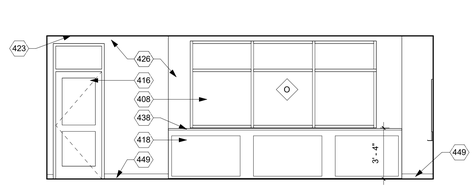
B4 FACE RR - SINK
1/4" = 1'-0"



B5 KITCHENETTE
1/4" = 1'-0"



A2 FACE - INSTRUCTION WALL
1/4" = 1'-0"



A4 AIR DISTRIBUTION @ FACE CLASSROOM
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

TOILET ACCESSORY LEGEND

MARK	ACCESSORIES
1	30" X 36" (UNLESS OTHERWISE NOTED) MIRROR.
2	LIQUID SOAP DISPENSER, MOUNT 5" ABOVE SINK. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
3	TOILET PAPER DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
4	MANUAL PAPER TOWEL DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
5	GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
6	SANITARY NAPKIN DISPOSAL. MOUNT 28" A.F.F.
7	FOLDING SHOWER SEAT. MOUNT TOP OF SEAT AT 15" HIGH IN CHILD SHOWER AND 17" IN ADULT SHOWER.
8	SHOWER CURTAIN ROD AND SHOWER CURTAIN.
9	ADA SHOWER GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).

KEYED NOTES

404	4'-0" HIGH DRY ERASE MARKER BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
408	ALUMINUM STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
411	DASHED FURNISHINGS NOT IN CONTRACT.
413	DASHED EQUIPMENT NOT IN CONTRACT. PROVIDE ROUGH-INS AS REQUIRED. SEE MECHANICAL, ELECTRICAL, AND PLUMBING.
416	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
418	AIR DISTRIBUTION SYSTEM ENCLOSED IN PLASTIC LAMINATE CASEWORK. SEE ENLARGED PLANS AND ELEVATIONS. SEE MECHANICAL.
423	FINISH CEILING. SEE RCP.
426	GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
427	IN-COUNTER SINK. SEE PLUMBING.
436	PLASTIC LAMINATE CASEWORK.
437	PLASTIC LAMINATE COUNTER WITH 4" BACK SPLASH.
438	PLASTIC LAMINATE COUNTER TOP.
449	WALL BASE. SEE FINISH SCHEDULE ID-100.
451	TRANSITION STRIP. SEE ID FINISH LEGEND. ID-100
452	WALL MOUNTED SMART BOARD, PROVIDED BY OWNER. SEE ELECTRICAL FOR POWER AND ROUGH-IN REQUIREMENTS.
476	ELECTRIC WATER COOLER. SEE PLUMBING.
479	LAVATORY FIXTURE. MOUNT ALL LAVATORIES TO AN ACCESSIBLE HEIGHT. SEE SHEET G-010.
480	CERAMIC WALL TILE. DASHED LINE ON FLOOR PLAN INDICATES EXTENT OF WALL TILE. SEE ELEVATIONS FOR TILE HEIGHT AND ID SHEETS FOR PATTERN.
481	5'-0" ADA WHEEL CHAIR TURNING SPACE.
484	WATER CLOSET. SEE PLUMBING.

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OCTOBER 2ND, 2020

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DRAWN BY:	FBT
CHECKED BY:	JT

SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

A-402

School Information

10/8/2020 3:04:25 PM

KEYED NOTES

405	4'-0" HIGH TACK BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
408	ALUMINUM STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
411	DASHED FURNISHINGS NOT IN CONTRACT.
413	DASHED EQUIPMENT NOT IN CONTRACT. PROVIDE ROUGH-INS AS REQUIRED. SEE MECHANICAL, ELECTRICAL, AND PLUMBING.
416	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
418	AIR DISTRIBUTION SYSTEM ENCLOSED IN PLASTIC LAMINATE CASEWORK. SEE ENLARGED PLANS AND ELEVATIONS. SEE MECHANICAL.
423	FINISH CEILING. SEE RCP.
426	GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
427	IN-COUNTER SINK. SEE PLUMBING.
434	ROUGH IN FOR CEILING MOUNTED THEREPY SWING.
436	PLASTIC LAMINATE CASEWORK.
438	PLASTIC LAMINATE COUNTER TOP.
449	WALL BASE. SEE FINISH SCHEDULE ID-100.
451	TRANSITION STRIP. SEE ID FINISH LEGEND. ID-100
452	WALL MOUNTED SMART BOARD, PROVIDED BY OWNER. SEE ELECTRICAL FOR POWER AND ROUGH-IN REQUIREMENTS.
478	SHOWER FIXTURE. COMPLY WITH ADAABAAG, 608.6, 2004 Ed. SEE PLUMBING.
479	LAVATORY FIXTURE. MOUNT ALL LAVATORIES TO AN ACCESSIBLE HEIGHT. SEE SHEET G-010.
480	CERAMIC WALL TILE. DASHED LINE ON FLOOR PLAN INDICATES EXTENT OF WALL TILE. SEE ELEVATIONS FOR TILE HEIGHT AND ID SHEETS FOR PATTERN.
484	WATER CLOSET. SEE PLUMBING.

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

TOILET ACCESSORY LEGEND

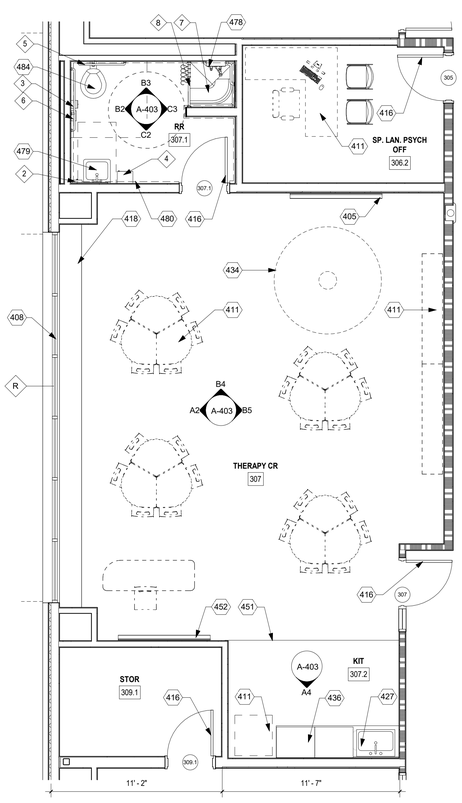
MARK	ACCESSORIES
1	30" X 36" (UNLESS OTHERWISE NOTED) MIRROR.
2	LIQUID SOAP DISPENSER, MOUNT 5" ABOVE SINK. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
3	TOILET PAPER DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
4	MANUAL PAPER TOWEL DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
5	GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
6	SANITARY NAPKIN DISPOSAL. MOUNT 28" A.F.F.
7	FOLDING SHOWER SEAT. MOUNT TOP OF SEAT AT 15" HIGH IN CHILD SHOWER AND 17" IN ADULT SHOWER.
8	SHOWER CURTAIN ROD AND SHOWER CURTAIN.
9	ADA SHOWER GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).

ADAABAAG, 604.9 2004 Ed

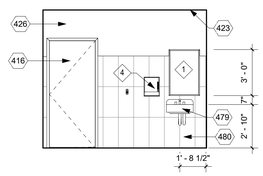
Advisory 604.9 Water Closets and Toilet Compartments for Children's Use. The requirements in 604.9 are to be followed where the exception for children's water closets in 604.1 is used. The following table provides additional guidance in applying the specifications for water closets for children according to the age group served and reflects the differences in the size, stature, and reach ranges of children ages 3 through 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements.

Advisory Specifications for Water Closets Serving Children Ages 3 through 12

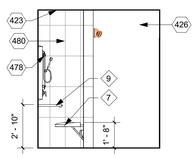
	Ages 3 and 4	Ages 5 through 8	Ages 9 through 12
Water Closet Centerline	12 inches (305 mm)	12 to 15 inches (305 to 380 mm)	15 to 18 inches (380 to 455 mm)
Toilet Seat Height	11 to 12 inches (280 to 305 mm)	12 to 15 inches (305 to 380 mm)	15 to 17 inches (380 to 430 mm)
Grab Bar Height	18 to 20 inches (455 to 510 mm)	20 to 25 inches (510 to 635 mm)	25 to 27 inches (635 to 685 mm)
Dispenser Height	14 inches (355 mm)	14 to 17 inches (355 to 430 mm)	17 to 19 inches (430 to 485 mm)



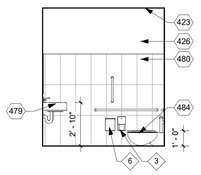
A1 ENLARGED PLAN - SPECIAL EDUCATION
1/4" = 1'-0"



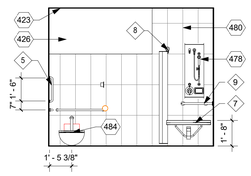
C2 RR 306.1 ENTRANCE
1/4" = 1'-0"



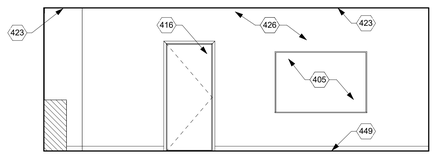
C3 RR 306.1 SIDE
1/4" = 1'-0"



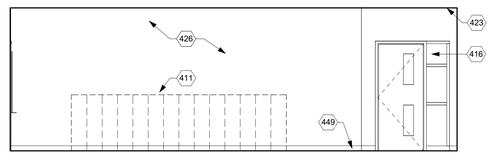
B2 RR 306.1 FIXTURE
1/4" = 1'-0"



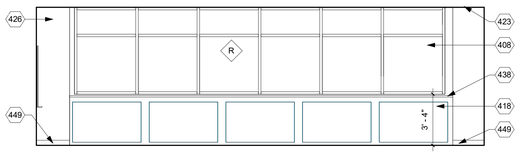
B3 RR 306.1 SHOWER
1/4" = 1'-0"



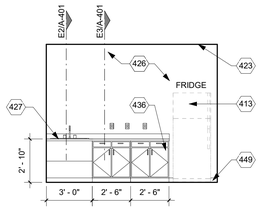
B4 SPECIAL EDUCATION - SIDE
1/4" = 1'-0"



B5 SPECIAL EDUCATION - ENTRANCE
1/4" = 1'-0"



A2 SPECIAL EDUCATION - CASEWORK
1/4" = 1'-0"



A4 S.E. KITCHENETTE
1/4" = 1'-0"

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SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

A-403

School Information

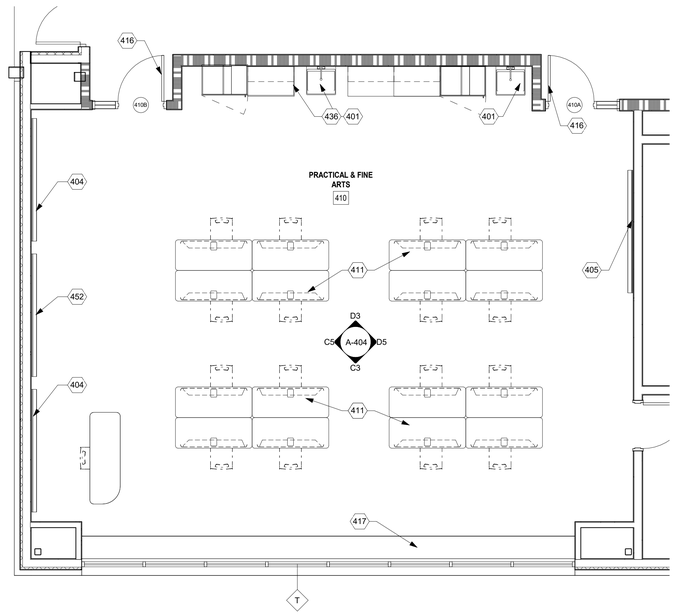
10/8/2020 3:04:33 PM

KEYED NOTES

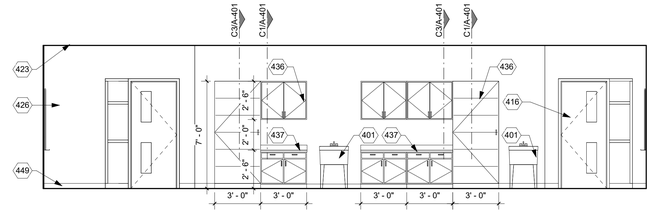
401 STAINLESS STEEL ART SINK. SEE PLUMBING.
404 4'-0" HIGH DRY ERASE MARKER BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
405 4'-0" HIGH TACK BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
408 ALUMINUM STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
411 DASHED FURNISHINGS NOT IN CONTRACT.
416 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
417 DOOR OPENER SWITCH FOR ACCESSIBILITY ACCESS.
418 AIR DISTRIBUTION SYSTEM ENCLOSED IN PLASTIC LAMINATE CASEWORK. SEE ENLARGED PLANS AND ELEVATIONS. SEE MECHANICAL.
423 FINISH CEILING. SEE RCP.
426 GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
428 RESIN TOP TABLE.
436 PLASTIC LAMINATE CASEWORK.
437 PLASTIC LAMINATE COUNTER WITH 4" BACK SPLASH.
438 PLASTIC LAMINATE COUNTER TOP.
449 WALL BASE. SEE FINISH SCHEDULE ID-100.
452 WALL MOUNTED SMART BOARD, PROVIDED BY OWNER. SEE ELECTRICAL FOR POWER AND ROUGH-IN REQUIREMENTS.
459 RESIN COUNTER WITH 4" BACK SPLASH.

GENERAL NOTES

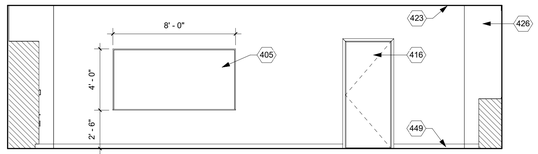
A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.
B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.
C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.
D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.
E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.
F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.
G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.
H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.
I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.
J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.
K. SEE PARTITION TYPES A-501.
L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.
M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.



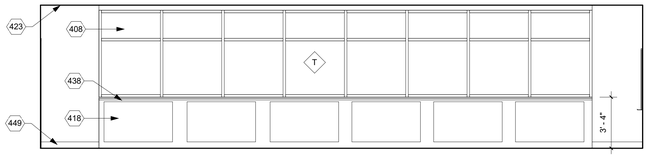
C1 PRACTICAL & FINE ARTS - ENLARGED PLAN
1/4" = 1'-0"



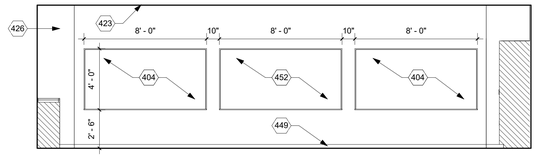
D3 ART - ENTRANCE
1/4" = 1'-0"



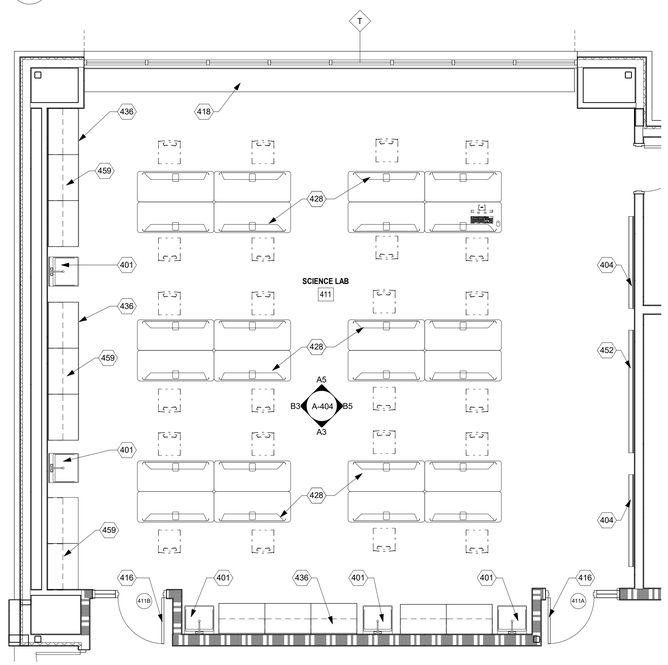
D5 ART - SIDE
1/4" = 1'-0"



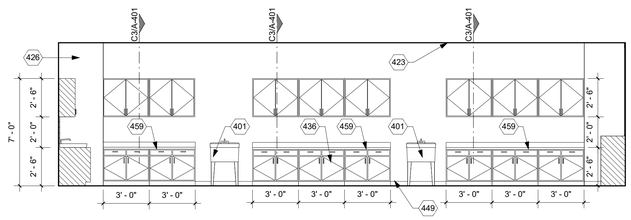
C3 ART - WINDOW
1/4" = 1'-0"



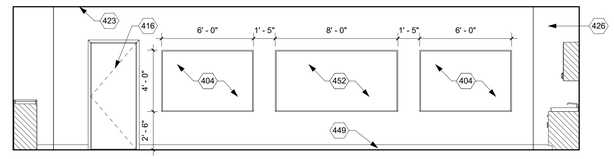
C5 ART - INSTRUCTION
1/4" = 1'-0"



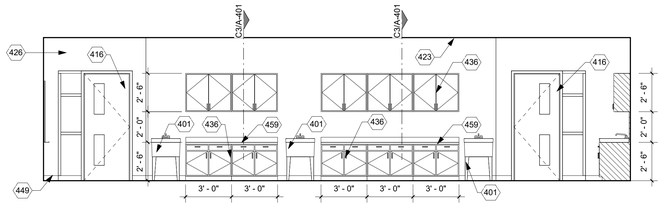
A1 SCIENCE LAB - ENLARGED PLAN
1/4" = 1'-0"



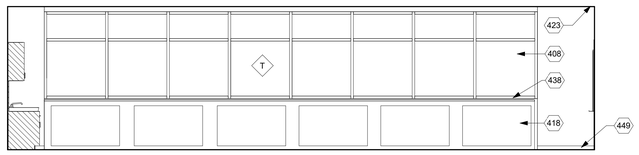
B3 SCIENCE LAB - CASEWORK
1/4" = 1'-0"



B5 SCIENCE LAB - INSTRUCTION
1/4" = 1'-0"



A3 SCIENCE LAB - ENTRANCE
1/4" = 1'-0"



A5 SCIENCE LAB - WINDOW
1/4" = 1'-0"

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NOT FOR CONSTRUCTION
ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

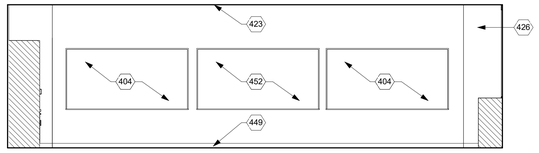
ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	FBT
CHECKED BY:	JT

SHEET TITLE
ENLARGED PLANS AND ELEVATIONS

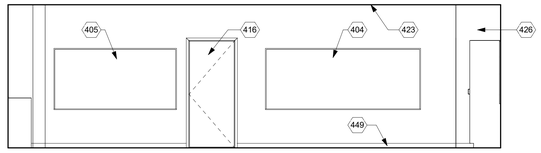
A-404

School Information

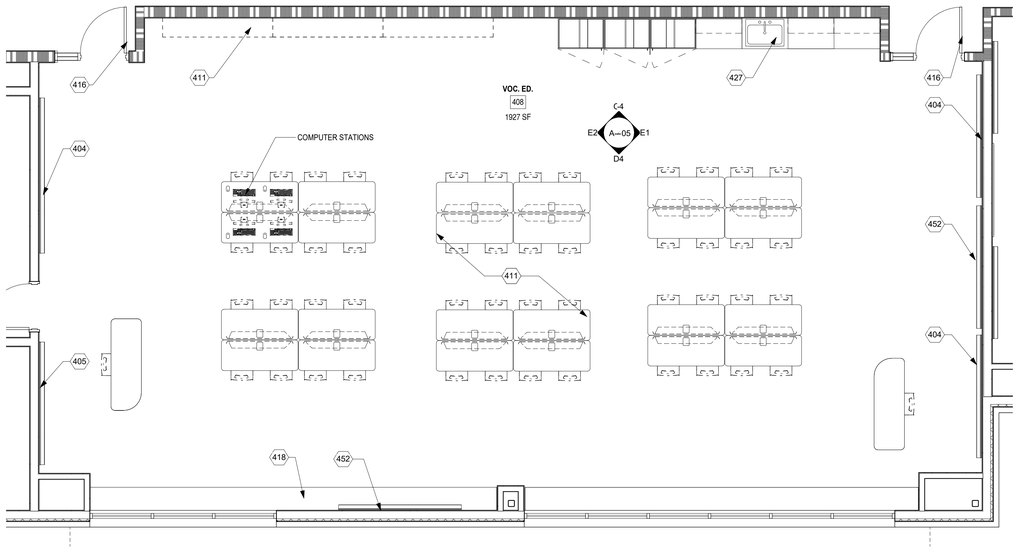
10/8/2020 3:04:39 PM



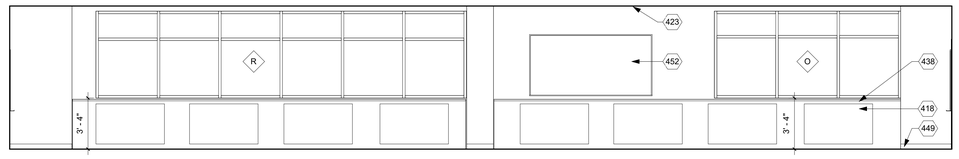
E1 VOCATIONAL - INSTRUCTION
1/4" = 1'-0"



E2 VOCATIONAL - SIDE
1/4" = 1'-0"

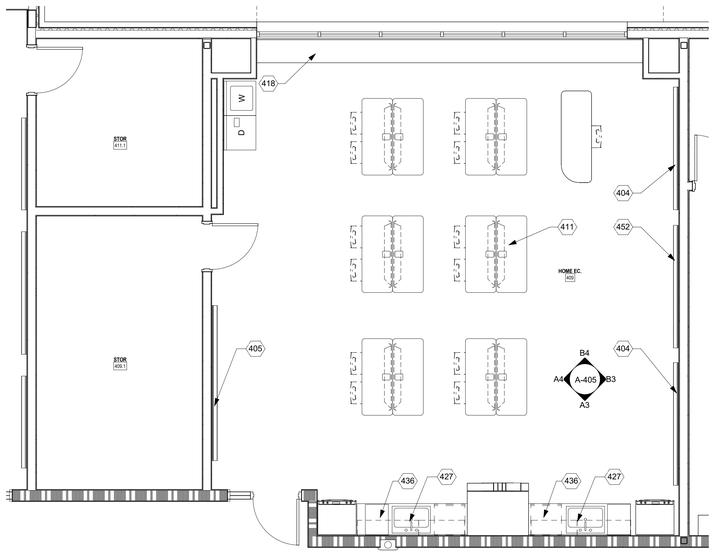


C1 VOCATIONAL
1/4" = 1'-0"

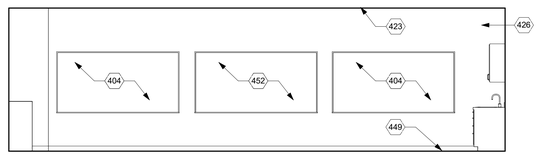


D4 VOCATIONAL - WINDOW
1/4" = 1'-0"

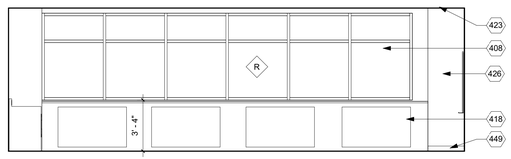
C4 VOCATIONAL - CASEWORK
1/4" = 1'-0"



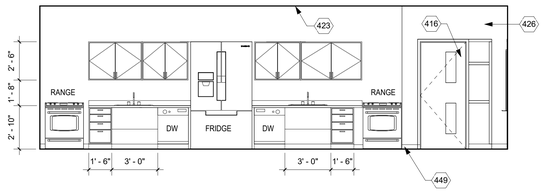
A1 HOME ECONOMICS
1/4" = 1'-0"



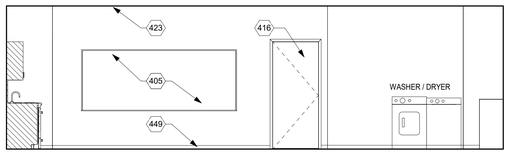
B3 HOME EC - INSTRUCTION
1/4" = 1'-0"



B4 HOME EC - WINDOW
1/4" = 1'-0"



A3 HOME EC - CASWEORK
1/4" = 1'-0"



A4 HOME EC - SIDE
1/4" = 1'-0"

KEYED NOTES

404 4'-0" HIGH DRY ERASE MARKER BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
405 4'-0" HIGH TACK BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
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416 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
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423 FINISH CEILING. SEE RCP.
426 GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
427 IN-COUNTER SINK. SEE PLUMBING.
436 PLASTIC LAMINATE CASEWORK.
438 PLASTIC LAMINATE COUNTER TOP.
449 WALL BASE. SEE FINISH SCHEDULE ID-100.
452 WALL MOUNTED SMART BOARD, PROVIDED BY OWNER. SEE ELECTRICAL FOR POWER AND ROUGH-IN REQUIREMENTS.

GENERAL NOTES

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K. SEE PARTITION TYPES A-501.
L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.
M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

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OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

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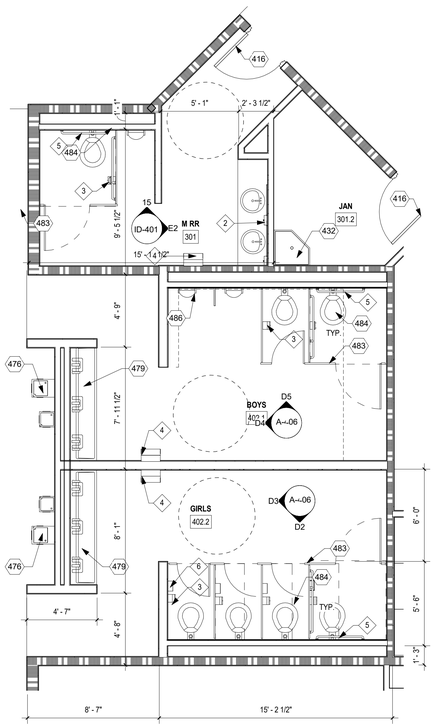
SHEET TITLE
ENLARGED PLANS AND ELEVATIONS

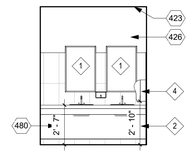
A-405

School Information

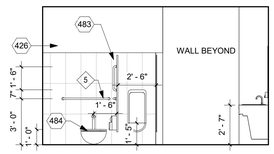
10/8/2020 3:04:46 PM



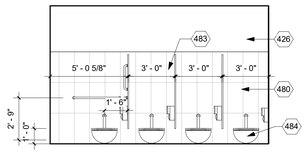
D1 ENLARGED PLAN - 402.1 & 402.2
1/4" = 1'-0"



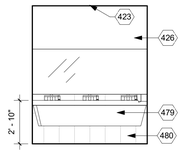
E2 MEN 301 - LAVATORY
1/4" = 1'-0"



E3 MEN 301 - FIXTURE
1/4" = 1'-0"



D2 401.5 FIXTURE
1/4" = 1'-0"



D3 401.5 ENTRANCE
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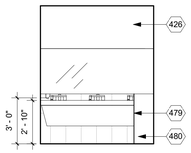

D4 401.4 ENTRANCE
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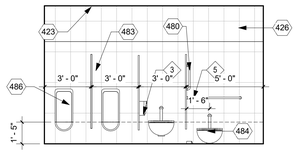
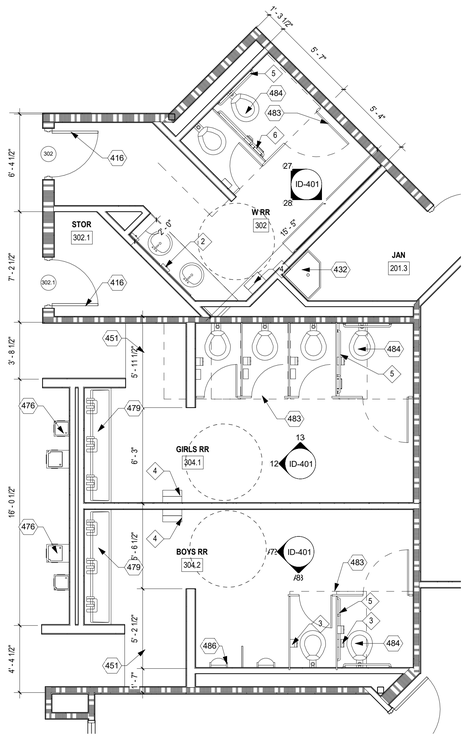


D5 401.4 FIXTURE
1/4" = 1'-0"



A1 ENLARGED PLAN - RR 304.1 & 304.2
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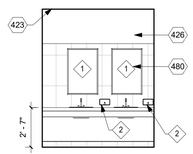
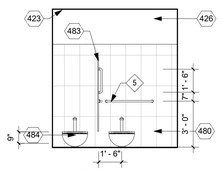
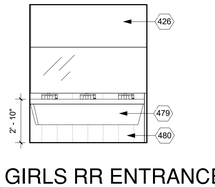


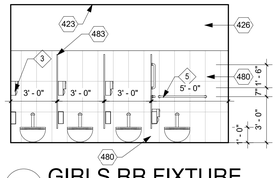
C2 W RR - LAVATORY
1/4" = 1'-0"



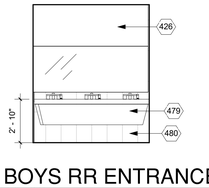
C3 W RR - FIXTURE
1/4" = 1'-0"



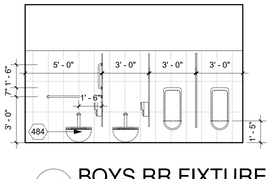
B2 GIRLS RR ENTRANCE
1/4" = 1'-0"



B3 GIRLS RR FIXTURE
1/4" = 1'-0"



A2 BOYS RR ENTRANCE
1/4" = 1'-0"



A3 BOYS RR FIXTURE
1/4" = 1'-0"

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F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

TOILET ACCESSORY LEGEND

MARK	ACCESSORIES
1	30" X 36" (UNLESS OTHERWISE NOTED) MIRROR.
2	LIQUID SOAP DISPENSER, MOUNT 5" ABOVE SINK. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
3	TOILET PAPER DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
4	MANUAL PAPER TOWEL DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
5	GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
6	SANITARY NAPKIN DISPOSAL. MOUNT 28" A.F.F.
7	FOLDING SHOWER SEAT. MOUNT TOP OF SEAT AT 15" HIGH IN CHILD SHOWER AND 17" IN ADULT SHOWER.
8	SHOWER CURTAIN ROD AND SHOWER CURTAIN.
9	ADA SHOWER GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).

KEYED NOTES

416 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
423 FINISH CEILING. SEE RCP.
426 GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
432 MOP SINK AND MOP RACK. SEE PLUMBING.
451 TRANSITION STRIP. SEE ID FINISH LEGEND, ID-100
476 ELECTRIC WATER COOLER. SEE PLUMBING.
479 LAVATORY FIXTURE. MOUNT ALL LAVATORIES TO AN ACCESSIBLE HEIGHT. SEE SHEET G-010.
480 CERAMIC WALL TILE. DASHED LINE ON FLOOR PLAN INDICATES EXTENT OF WALL TILE. SEE ELEVATIONS FOR TILE HEIGHT AND ID SHEETS FOR PATTERN.
483 TOILET PARTITION.
484 WATER CLOSET. SEE PLUMBING.
486 WALL MOUNTED URINAL. SEE PLUMBING.

ADAABAAG, 604.9 2004 Ed

Advisory 604.9 Water Closets and Toilet Compartments for Children's Use. The requirements in 604.9 are to be followed where the exception for children's water closets in 604.1 is used. The following table provides additional guidance in applying the specifications for water closets for children according to the age group served and reflects the differences in the size, stature, and reach ranges of children ages 3 through 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements.

Advisory Specifications for Water Closets Serving Children Ages 3 through 12

	Ages 3 and 4	Ages 5 through 8	Ages 9 through 12
Water Closet Centerline	12 inches (305 mm)	12 to 15 inches (305 to 380 mm)	15 to 18 inches (380 to 455 mm)
Toilet Seat Height	11 to 12 inches (280 to 305 mm)	12 to 15 inches (305 to 380 mm)	15 to 17 inches (380 to 430 mm)
Grab Bar Height	18 to 20 inches (455 to 510 mm)	20 to 25 inches (510 to 635 mm)	25 to 27 inches (635 to 685 mm)
Dispenser Height	14 inches (355 mm)	14 to 17 inches (355 to 430 mm)	17 to 19 inches (430 to 485 mm)

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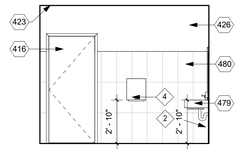
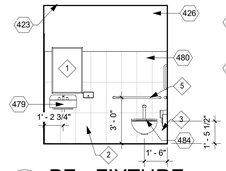
SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

A-406



E1 PE - ENTRANCE
1/4" = 1'-0"



E2 PE - FIXTURE
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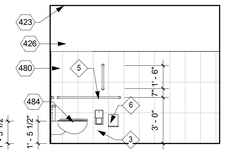

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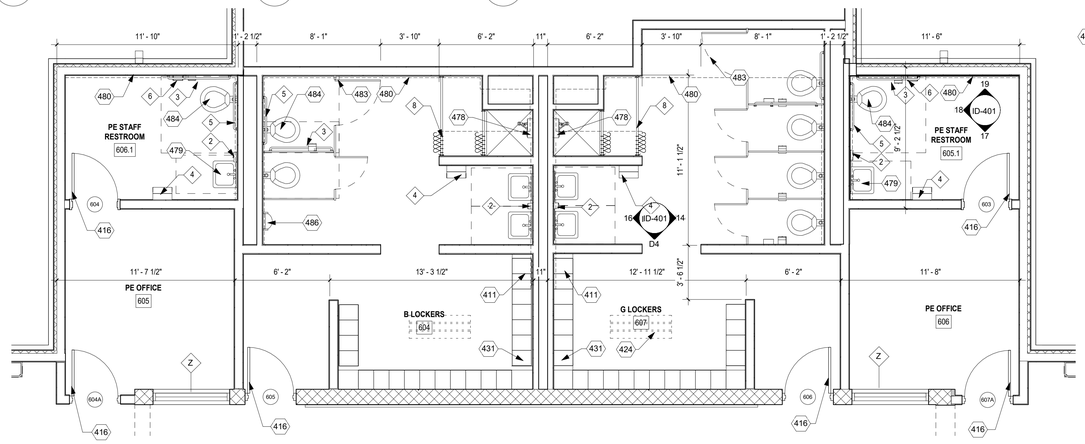

D1 ENLARGED PLAN - LOCKER ROOMS
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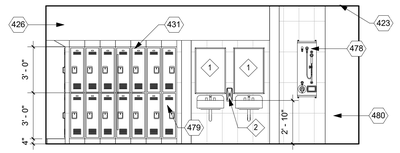

E4 LOCKER ROOM LAVATORY
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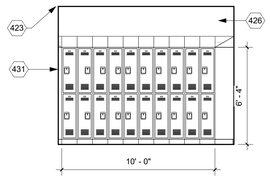

D4 LOCKER FRONT TYP
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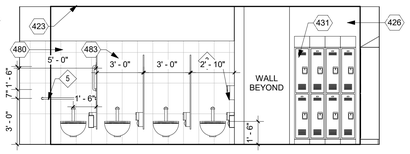

D5 LOCKER FIXTURE
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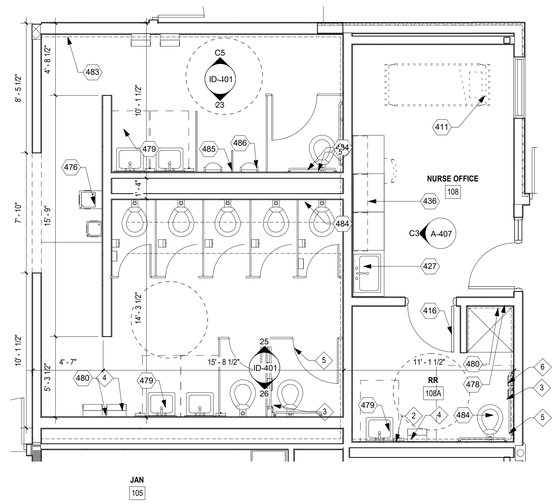
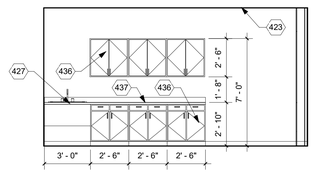


B1 ENLARGED PLAN - NURSE GANG RR
1/4" = 1'-0"



C3 NURSE - CASEWORK
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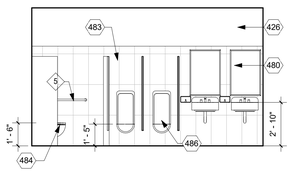

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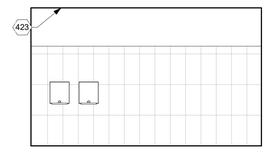

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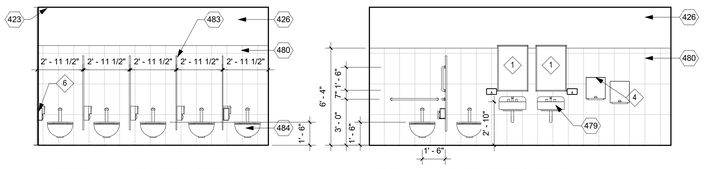

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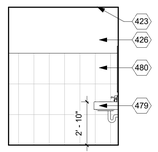
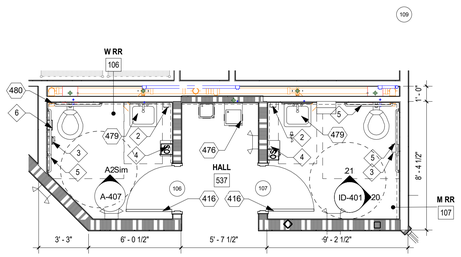
1/4" = 1'-0"

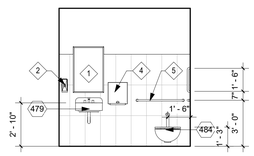
B3 RR 615 LAVATORY
1/4" = 1'-0"



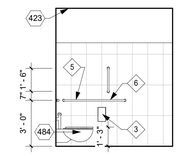
B5 601.1 - SIDE WALL
1/4" = 1'-0"



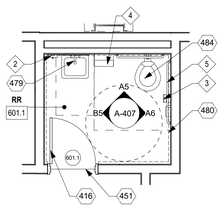
A1 ADMINISTRATION RESTROOMS
1/4" = 1'-0"



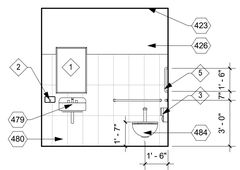
A2 RR 107 FIXTURE
1/4" = 1'-0"



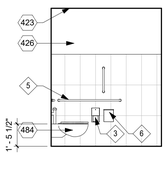
A3 RR 107 - SIDE
1/4" = 1'-0"



A4 FLOOR PLAN - KITCHEN RR
1/4" = 1'-0"



A5 601.1 - FIXTURE
1/4" = 1'-0"



A6 601.1 - END WALL
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR ROOFTOP EQUIPMENT SCREENING.

TOILET ACCESSORY LEGEND

MARK	ACCESSORIES
1	30" X 36" (UNLESS OTHERWISE NOTED) MIRROR.
2	LIQUID SOAP DISPENSER. MOUNT 5" ABOVE SINK. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
3	TOILET PAPER DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
4	MANUAL PAPER TOWEL DISPENSER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
5	GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
6	SANITARY NAPKIN DISPOSAL. MOUNT 28" A.F.F.
7	FOLDING SHOWER SEAT. MOUNT TOP OF SEAT AT 15" HIGH IN CHILD SHOWER AND 17" IN ADULT SHOWER.
8	SHOWER CURTAIN ROD AND SHOWER CURTAIN.
9	ADA SHOWER GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).

KEYED NOTES

411 DASHED FURNISHINGS NOT IN CONTRACT.
416 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
423 FINISH CEILING. SEE RCP.
424 LOCKER ROOM BENCHES NOT IN CONTRACT. PROVIDE ACCESSIBLE BENCHES AS REQUIRED PER CODE.
426 GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
427 IN-COUNTER SINK. SEE PLUMBING.
431 ATHLETIC METAL LOCKERS.
436 PLASTIC LAMINATE CASEWORK.
437 PLASTIC LAMINATE COUNTER WITH 4" BACK SPLASH.
451 TRANSITION STRIP. SEE ID FINISH LEGEND. ID-100
476 ELECTRIC WATER COOLER. SEE PLUMBING.
478 SHOWER FIXTURE. COMPLY WITH ADAABAAG, 608.6, 2004 Ed. SEE PLUMBING.
479 LAVATORY FIXTURE. MOUNT ALL LAVATORIES TO AN ACCESSIBLE HEIGHT. SEE SHEET G-010.
480 CERAMIC WALL TILE. DASHED LINE ON FLOOR PLAN INDICATES EXTENT OF WALL TILE. SEE ELEVATIONS FOR TILE HEIGHT AND ID SHEETS FOR PATTERN.
483 TOILET PARTITION.
484 WATER CLOSET. SEE PLUMBING.
485 URINAL PARTITION.
486 WALL MOUNTED URINAL. SEE PLUMBING.

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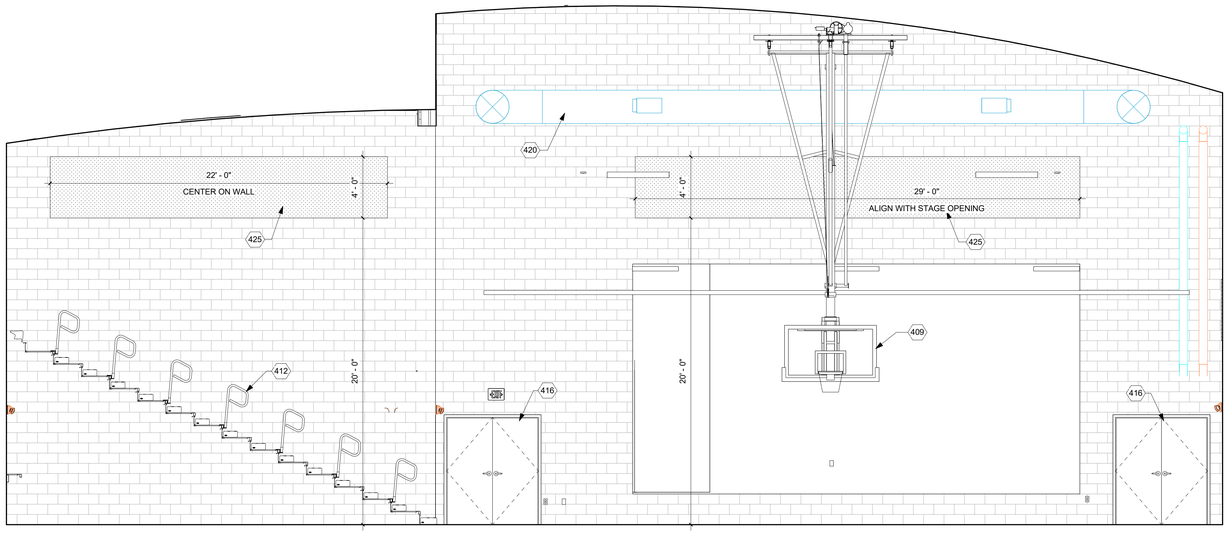
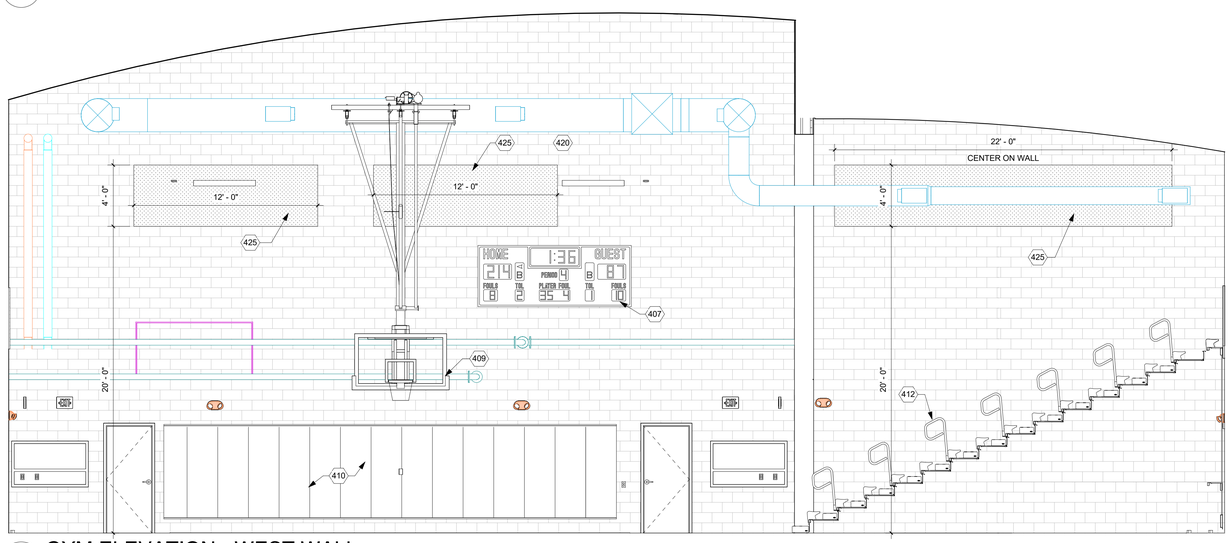
ENLARGED PLANS AND ELEVATIONS

A-407



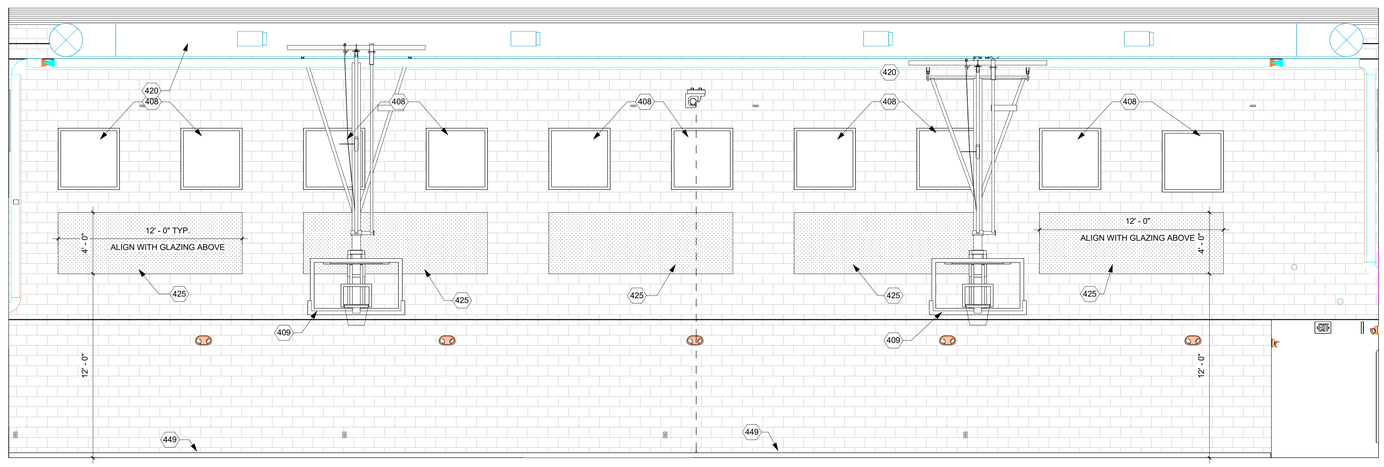
D1 GYM ELEVATION - EAST WALL / STAGE

1/4" = 1'-0"



B1 GYM ELEVATION - WEST WALL

1/4" = 1'-0"



A1 GYM ELEVATION - SOUTH WALL

1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

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C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

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K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

KEYED NOTES

407 SCOREBOARD.
408 ALUMINUM STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
409 MOTORIZED RETRACTABLE CEILING MOUNTED BASKETBALL BACKSTOP. SEE ROP. SEE STRUCTURAL.
410 PROTECTIVE GYM WALL PADDING AS REQUIRED.
412 TELESCOPIC BLEACHERS.
416 DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
420 EXPOSED MECHANICAL DUCT. PAINT. COLOR TO BE SELECTED BY ARCHITECT.
425 2" ACOUSTICAL TREATMENT SOUND ABSORBING WALL PANEL.
449 WALL BASE. SEE FINISH SCHEDULE ID-100.

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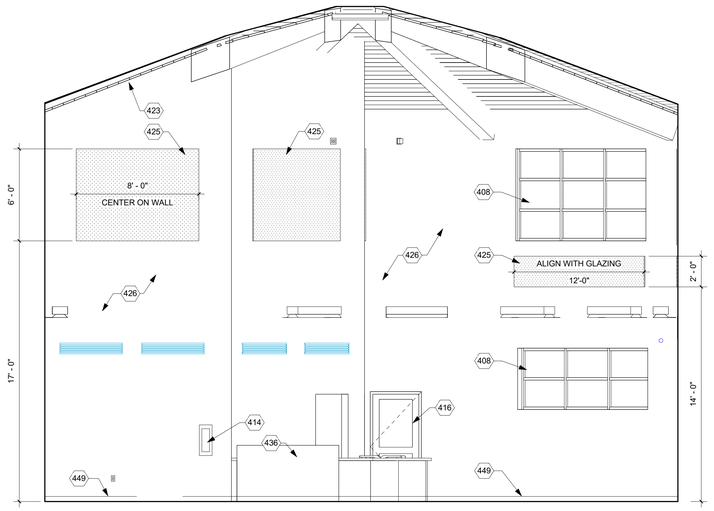
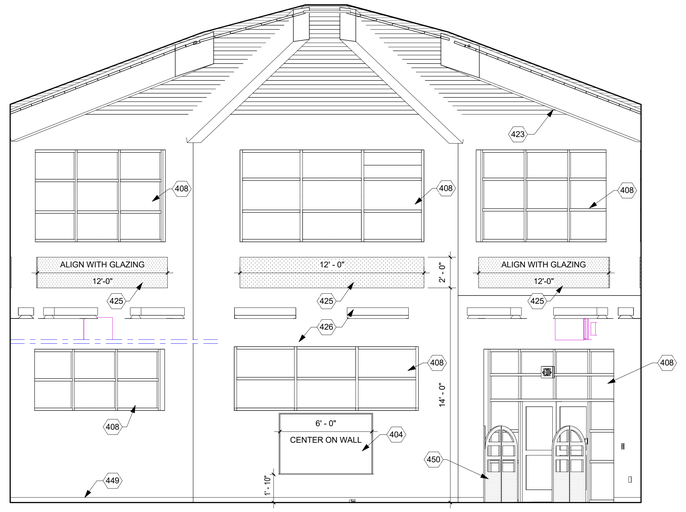
SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

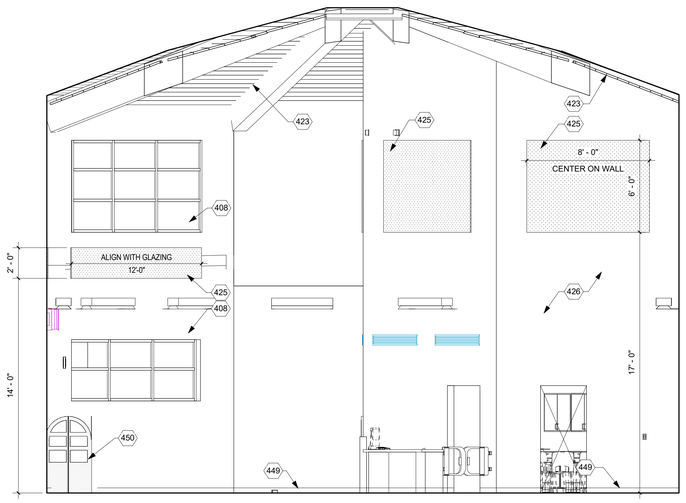
A-408



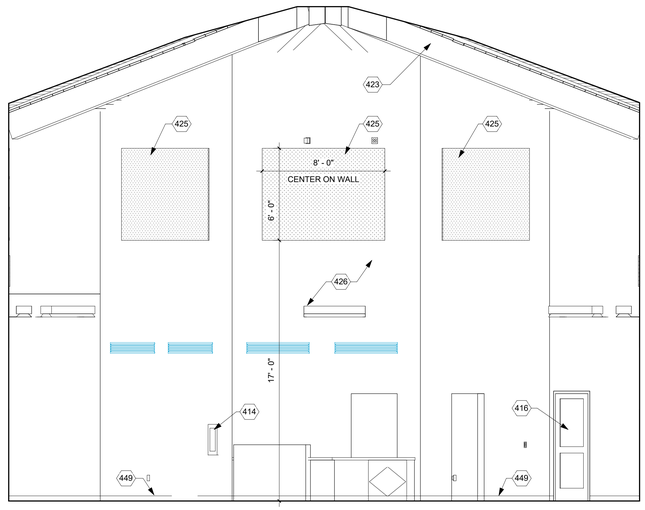
C1 MEDIA CENTER
1/4" = 1'-0"



C4 MEDIA CENTER
1/4" = 1'-0"



A1 MEDIA CENTER
1/4" = 1'-0"



A3 MEDIA CENTER
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. COMPLY WITH ADAABAAG, 2004 Ed INCLUDING BOTH ADULT AND CHILD REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR, HALLWAY, AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEE FS SHEETS FOR DETAILED KITCHEN DRAWINGS.

M. SEE ROOF PLAN FOR NOTES PERTAINING TO ROOF.

KEYED NOTES

404	4'-0" HIGH DRY ERASE MARKER BOARD. PROVIDE BACKING IN WALL FOR MOUNTING. WIDTH AND MOUNTING HEIGHT AS INDICATED.
408	ALUMINUM STOREFRONT SYSTEM. SEE FRAME TYPES, DOOR AND WINDOW SCHEDULES.
414	SEMI-RECESSED FIRE EXTINGUISHER CABINET, RATED AS REQUIRED. SEE PARTITION TYPES. COORDINATE FINAL LOCATION WITH FIRE MARSHAL.
416	DOOR AND FRAME. SEE FLOOR PLAN AND DOOR SCHEDULE.
423	FINISH CEILING. SEE RCP.
425	2" ACOUSTICAL TREATMENT SOUND ABSORBING WALL PANEL.
426	GYPSUM BOARD FINISH. TAPE, TEXTURE, AND PAINT.
436	PLASTIC LAMINATE CASEWORK.
449	WALL BASE. SEE FINISH SCHEDULE ID-100.
450	LIBRARY SECURITY GATE.

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NOT FOR CONSTRUCTION

ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	FBT
CHECKED BY:	JT

SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

A-409

School Information

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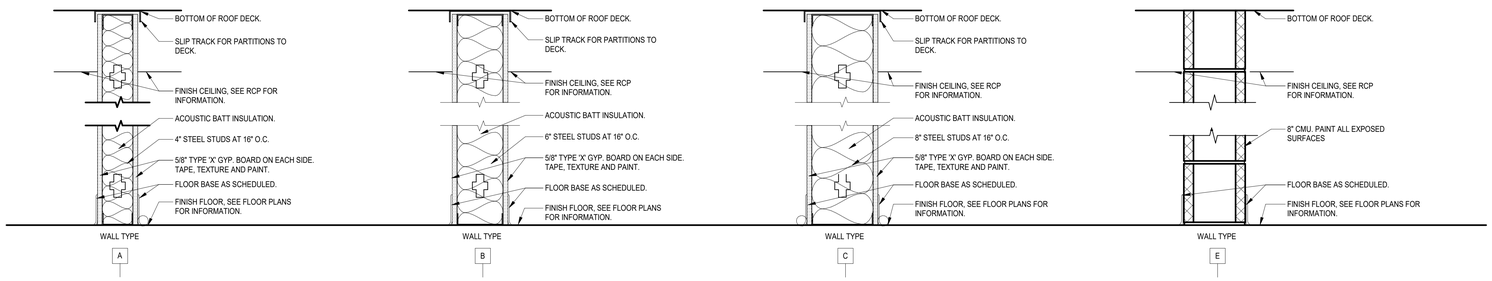

A	WALL TYPE AS SHOWN IN DETAIL ABOVE • ACOUSTICAL PARTITION STC RATING OF 45 MINIMUM
A1	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • EXTEND ASSEMBLY TO 6" ABOVE FINISH CEILING
A2	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • ACOUSTICAL PARTITION - STC RATING 45 • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL
A2A	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • ACOUSTICAL PARTITION - STC RATING 45 • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT.
A3	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT. • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
A3A	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • ON EXPOSED SIDE - 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT. • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
A4	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' GYPSUM BOARD ON EXPOSED SIDE TAPE, TEXTURE, PAINT. • EXTEND STUDS & GYPSUM BOARD TO 6" ABOVE FINISH CEILING.
A5	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: (CLASSROOM TO ADJACENT OCCUPIED SPACE) • ACOUSTICAL PARTITION STC RATING OF 50 MINIMUM • ON CLASSROOM SIDE - TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD, TAPE, TEXTURE, AND PAINT.
A6	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: (TYPICAL CLASSROOM TO ADJACENT RESTROOM) • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL • ACOUSTICAL PARTITION STC RATING OF 53 MINIMUM • TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE. TAPE, TEXTURE, AND PAINT. • ON RESTROOM SIDE - 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
A7	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • DOUBLE WYTHE STUD WALL • ACOUSTICAL PARTITION STC RATING OF 60 MINIMUM • TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE. TAPE, TEXTURE, AND PAINT. • AT TILE LOCATIONS: 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.

B	WALL TYPE AS SHOWN IN DETAIL ABOVE • ACOUSTICAL PARTITION STC RATING OF 45 MINIMUM
B1	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • EXTEND ASSEMBLY TO 6" ABOVE FINISH CEILING
B2	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • ACOUSTICAL PARTITION - STC RATING 45 • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL
B2A	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • ACOUSTICAL PARTITION - STC RATING 45 • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT.
B3	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT. • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
B3A	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • ON EXPOSED SIDE - 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT. • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
B4	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' GYPSUM BOARD ON EXPOSED SIDE TAPE, TEXTURE, PAINT. • EXTEND STUDS & GYPSUM BOARD TO 6" ABOVE FINISH CEILING.
B5	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: (CLASSROOM TO ADJACENT OCCUPIED SPACE) • ACOUSTICAL PARTITION STC RATING OF 50 MINIMUM • ON CLASSROOM SIDE - TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD, TAPE, TEXTURE, AND PAINT.
B6	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: (TYPICAL CLASSROOM TO ADJACENT RESTROOM) • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL • ACOUSTICAL PARTITION STC RATING OF 53 MINIMUM • TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE. TAPE, TEXTURE, AND PAINT. • ON RESTROOM SIDE - 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
B7	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • DOUBLE WYTHE STUD WALL • ACOUSTICAL PARTITION STC RATING OF 60 MINIMUM • TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE. TAPE, TEXTURE, AND PAINT. • AT TILE LOCATIONS: 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.

C	WALL TYPE AS SHOWN IN DETAIL ABOVE • ACOUSTICAL PARTITION STC RATING OF 45 MINIMUM
C1	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • EXTEND ASSEMBLY TO 6" ABOVE FINISH CEILING
C2	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • ACOUSTICAL PARTITION - STC RATING 45 • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL
C2A	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • ACOUSTICAL PARTITION - STC RATING 45 • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT.
C3	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT. • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
C3A	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • ON EXPOSED SIDE - 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT. • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
C4	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' GYPSUM BOARD ON EXPOSED SIDE TAPE, TEXTURE, PAINT. • EXTEND STUDS & GYPSUM BOARD TO 6" ABOVE FINISH CEILING.
C5	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: (CLASSROOM TO ADJACENT OCCUPIED SPACE) • ACOUSTICAL PARTITION STC RATING OF 50 MINIMUM • ON CLASSROOM SIDE - TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD, TAPE, TEXTURE, AND PAINT.
C6	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: (TYPICAL CLASSROOM TO ADJACENT RESTROOM) • SMOKE BARRIER WALL (NFPA 5000 SECTION 810) • SEAL ALL PENETRATIONS & JOINTS TO MAINTAIN SMOKE SEAL • ACOUSTICAL PARTITION STC RATING OF 53 MINIMUM • TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE. TAPE, TEXTURE, AND PAINT. • ON RESTROOM SIDE - 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
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E	WALL TYPE AS SHOWN IN DETAIL ABOVE
E1	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SHEDULE FOR HEIGHT AND EXTEND
E2	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 2 1/2" METAL STUD FURRING • 5/8" TYPE 'X' GYP. BOARD ON EXPOSED SIDE. TAPE TEXTURE AND PAINT. • EXTEND STUDS & GYPSUM BOARD 6" ABOVE FINISH CEILING
E3	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 5/8" TYPE 'X' CEMENTITIOUS BACKER BOARD AT WALL TILE. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR HEIGHT AND EXTENT • 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ABOVE WALL TILE. TAPE, TEXTURE, PAINT.
E4	AS SHOWN IN DETAIL ABOVE WITH THE FOLLOWING EXCEPTIONS: • 4" METAL STUD FURRING • 5/8" TYPE 'X' GYPSUM BOARD ON EXPOSED SIDE TAPE, TEXTURE, PAINT. • EXTEND STUDS & GYPSUM BOARD TO 6" ABOVE FINISH CEILING.

NOTE: NOT ALL PARTITION TYPES ARE USED IN THIS PROJECT

ACOUSTICAL PARTITION NOTES

A. BACK TO BACK OUTLETS WILL NOT BE ALLOWED.

B. FURNISH AND INSTALL SMOKE AND ACOUSTIC SEALANT AT TOP AND BOTTOM OF WALL AT PARTITION CONNECTIONS. SEE PLAN AND SCHEDULE FOR STC RATED PARTITIONS.

C. FURNISH AND INSTALL SMOKE AND ACOUSTIC SEALANT AT ALL PENETRATIONS FOR UTILITIES, HVAC, SPRINKLERS, CONDUITS, ETC. AS THEY PENETRATE STC RATED PARTITIONS. SUPPORT PENETRATIONS ON EACH SIDE OF PARTITION TO AVOID MECHANICAL CONTACT WITH STUDS OR GYPSUM BOARD.

D. SPACES BETWEEN ITEMS PENETRATING STC RATED PARTITIONS AND THE PARTITION ITSELF SHALL BE SEALED USING ACOUSTIC SEALANT AND BACKER MATERIAL (GLASS FIBER INSULATION OR ROCK WOOL).

GENERAL NOTES

A. FURNISH AND INSTALL SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.

B. FURNISH AND INSTALL WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF TOILET PARTITIONS, SIGNAGE, ACCESSORIES OR OTHER WALL SUPPORTED ITEMS AS REQUIRED.

C. FURNISH AND INSTALL WATER RESISTANT GYPSUM BOARD IN KITCHEN, RESTROOMS, CUSTODIAL ROOMS AND ALL WET AREAS.

D. SEE FLOOR PLANS FOR EXTENT OF RATED ASSEMBLIES.

E. SEE BUILDING AND WALL SECTIONS FOR ADDITIONAL INFORMATION OF INTERIOR WALLS THAT EXTEND ABOVE THE ROOF PLANE AND EXTERIOR WALLS. COORDINATE WITH STRUCTURAL.

F. SEE REFLECTED CEILING PLAN FOR ALL CEILING INFORMATION.

G. AT ALL LOCATIONS OF EXPOSED CEILING STRUCTURE ALL CMU WALLS SHALL BE PAINTED TO ROOF DECK AND ALL STEEL STUD WALLS SHALL BE TAPED, TEXTURED AND PAINTED TO UNDERSIDE OF ROOF DECK. CONTROL ALL PAINT AND TEXTURE OVERSPRAY AT THESE LOCATIONS, OVERSPRAY ON EXPOSED ROOF DECK WILL NOT BE ACCEPTED.

H. SEE STRUCTURAL DRAWINGS FOR LOCATIONS AND DETAIL OF LOAD BEARING STEEL STUDS OR CMU WALLS.

I. PARTITION GAUGE SHALL COMPLY WITH DEFLECTION AND LOADING CRITERIA INDICATED IN THE SPECIFICATIONS.

J. FURNISH AND INSTALL WALL TILE ON 5/8" TYPE X CEMENTITIOUS BACKER BOARD TO HEIGHT INDICATED ON INTERIOR ELEVATIONS IN ALL RESTROOMS AND AT ALL DRINKING FOUNTAINS.

K. SEE FLOOR PLANS AND ID SHEETS FOR INTERIOR FINISH INFORMATION.

L. NO RIGID INSULATION SHALL BE EXPOSED INSIDE THE BUILDING ENVELOPE. COVER ALL INSULATION WITH GYPSUM BOARD. TAPE BED AND SEAL ALL GAPS AT DECK WITH FIRE/SMOKE SEALANT.

M. FURNISH AND INSTALL SLIP TYPE HEAD JOINTS AT ALL STEEL STUD PARTITIONS THAT EXTEND TO DECK.

N. FURNISH AND INSTALL FIRE STOP TRACKS AT ALL FIRE RATED STEEL STUD PARTITIONS.

O. PARTITIONS THAT HAVE MULTIPLE LAYERS OF GYP BOARD SHALL BE CONTINUOUS ALONG WALL SURFACE. STAGGERED OR STEPPED WALL SURFACES WILL NOT BE ACCEPTED.

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OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	
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SHEET TITLE

PARTITION SCHEDULE

A-501

Door & Frame Schedule

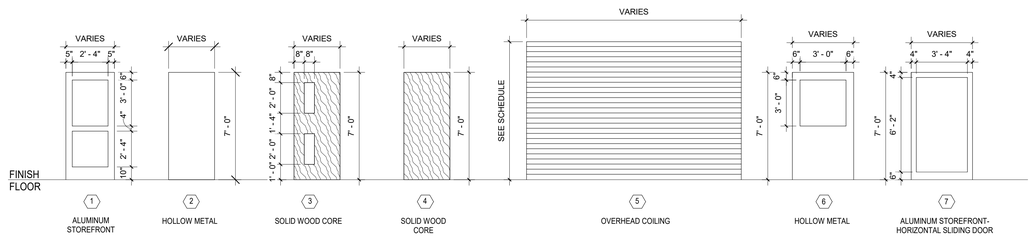
DOOR NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR TYPE	FACING/F INISH	FRAME TYPE	GLAZING	FIRE RATING	DETAIL REFERENCE HEAD	DETAIL REFERENCE JAMB	DETAIL REFERENCE SILL	SIGNAGE	REMARKS
001	6' - 0"	7' - 0"	1 PAIR	ALUM		1/4" G	-	B1/A-611	C1/A-611	A1/A-611		NO REMOVABLE CENTER MULLION
002	6' - 0"	7' - 0"	1 PAIR	ALUM	Q	1/4" G	-	B1/A-611	C1/A-611	A1/A-611	-	NO REMOVABLE CENTER MULLION
003	3' - 0"	7' - 0"					-					
004	3' - 0"	7' - 0"	1	ALUM	B	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
006	3' - 0"	7' - 0"	2	HM/P	E	-	-	A4/A-611	A5/A-611	-	ELECTRICAL	
007	3' - 2"	7' - 0"	1 PAIR	ALUM	A	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
008	4' - 0"	7' - 0"	2	HM/P	E	-	-	A4/A-611	A5/A-611		ELECTRICAL	
009	3' - 2"	7' - 0"	1 PAIR	ALUM	A	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
010	4' - 0"	7' - 0"	6	HM/P	R	1" IG		A4/A-611	A5/A-611		EXIT	ACCESS CONTROLS
011	6' - 4"	7' - 0"	1 PAIR	ALUM	A	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
012	6' - 0"	7' - 0"	1 PAIR	ALUM	A	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
013	6' - 0"	7' - 0"	1 PAIR	ALUM	A	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
014	6' - 0"	7' - 0"	1 PAIR	ALUM	A	1" IG	-	B5/A-611	C4/A-611	-	EXIT	ACCESS CONTROLS
015	3' - 0"	7' - 0"	1	ALUM	B	1" IG	-	B5/A-611	C4/A-611	-	-	
016	3' - 0"	7' - 0"	1	ALUM	B	1" IG	-	B5/A-611	C4/A-611	-	-	
017	3' - 0"	7' - 0"	1	ALUM	B	1" IG	-	B5/A-611	C4/A-611	-	-	
018	6' - 0"	7' - 0"	2 PAIR	HM/P	C	-	-	A4/A-611	A5/A-611	-	-	PENTHOUSE
100A	6' - 0"	7' - 0"	1 PAIR	ALUM		1/4" G	-	B1/A-611	C1/A-611	A1/A-611		NO REMOVABLE CENTER MULLION
100B	6' - 0"	7' - 0"	1 PAIR	ALUM	Q	1/4" G	-	B1/A-611	C1/A-611	A1/A-611	-	NO REMOVABLE CENTER MULLION
100C	3' - 0"	7' - 0"					-					
102.1	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	
102.2	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	
102.3	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	
102.4	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	
102.5	3' - 0"	7' - 0"	2	W/SV	E	-	-				STORAGE	
105	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	JANITOR	
106	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	WOMEN	
107	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	MEN	
108	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611	-	NURSE	STC 30 - SOUND SEAL
108A	3' - 0"	7' - 0"	4	W/SV	E	-		A2/A-611	A2/A-611	-	RESTROOM	
109	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611	-	NURSE ISOLATION	STC 30 - SOUND SEAL
109A	3' - 0"	7' - 0"	4	W/SV	E		-	A2/A-611	A2/A-611			
110	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	COUNSELING	STC 30 - SOUND SEAL
112	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CONFERENCE	STC 30 - SOUND SEAL
113	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611	-	VAULT	
114	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	STC 30 - SOUND SEAL
116	2' - 11 3/4"	7' - 0"	3	W/SV	G	1/4" G	-	B1/A-611	C1/A-611	A1/A-611	PRINCIPAL	STC 30 - SOUND SEAL
117	3' - 0"	7' - 3"	1	ALUM	V	1/4" G	-				ADMINISTRATION	
118	3' - 0 3/8"	7' - 0"	3	W/SV	G	1/4" G	-	B1/A-611	C1/A-611	A1/A-611	ADMIN. ASSISTANT	STC 30 - SOUND SEAL
200.1	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	TESTING	
201.3	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	JANITOR	
202	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	FACE OFFICE	
202.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
202A	4' - 0"	7' - 0"	7	ALUM	S	1/4" G		A2/A-611	A2/A-611	-	-	
203	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	IT	
203.1	7' - 0"	7' - 0"	4 PAIR	W/SV	E	-		A2/A-611	A2/A-611	-	ELECTRICAL	
204	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	FACE CLASSROOM	STC 30 - SOUND SEAL
204.1	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611	-	KITCHEN	
205	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	RESOURCE CLASSROOM	STC 30 - SOUND SEAL
205.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	RESTROOM	
205.2	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
206	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	FACE CLASSROOM	STC 30 - SOUND SEAL
206.2	3' - 0"	7' - 0"	4	W/SV	E	-		A2/A-611	A2/A-611	-	STORAGE	
207	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
207.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
207.2	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	BOYS	
207.3	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	GIRLS	
208	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
208.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	MEN	
208.2	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	GIRLS	
208.3	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	BOYS	
208.4	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
209	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
209.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
209.2	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	GIRLS	
209.3	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	BOYS	
210	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
210.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	WOMEN	
210.2	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	BOYS	
210.3	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	GIRLS	
210.4	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
301	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	MEN	
301.2	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	JANITOR	
302	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	WOMEN	
302.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	JANITOR	
303	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	COMPUTER LAB	STC 30 - SOUND SEAL
303.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
305	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611		OFFICE	
306	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	RESOURCE CLASSROOM	STC 30 - SOUND SEAL
306.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
307	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
307.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	RESTROOM	
308	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
308.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
309	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
309.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
310	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
310.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
402	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	COMPUTER LAB	STC 30 - SOUND SEAL
402.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
403	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
403.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
404	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
404.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
404A	3' - 0"	7' - 0"	4	W/SV	E	-		A2/A-611	A2/A-611		STORAGE	
405	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
405.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
406	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
406.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
407	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	RESOURCE CLASSROOM	
407.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
408.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
408A	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
408B	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
409	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
409.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
410.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
410A	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
410B	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
411.1	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	STORAGE	
411A	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
411B	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	CLASSROOM	STC 30 - SOUND SEAL
412	6' - 0"	7' - 0"	4 PAIR	W/SV	E	-	-	A2/A-611	A2/A-611	-	ELECTRICAL	NO REMOVABLE CENTER MULLION
500.1	6' - 3"	6' - 7"	1 PAIR	ALUM	C	1/4" G	-					
500.2	3' - 0"	7' - 0"	1	ALUM	E	1/4" G	-					
600A	14' - 0"	9' - 0"					90 Minute Fire Rating					
600C	3' - 0"	7' - 0"	1	ALUM	B	1/4" G	-	B1/A-611	C1/A-611	A1/A-611	CAFETERIA	
601	14' - 0"	9' - 0"	5	-	-	-	-					OVERHEAD COILING GRILL
601.1	3' - 0"	7' - 0"	3	W/SV	D	1/4" G	-	A2/A-611	A2/A-611	-	OFFICE	
601.2	3' - 0"	7' - 0"	2	W/SV			-					
601.3	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	UTILITY	
601.4	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	RESTROOM	
602	6' - 0"	7' - 0"	2 PAIR	HM/P	C	-	-	A2/A-611	A2/A-611	-	P.E. STORAGE	NO REMOVABLE CENTER MULLION
603	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	RESTROOM	
604	3' - 0"	7' - 0"	4	W/SV	E	-	-	A2/A-611	A2/A-611	-	RESTROOM	
604A	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	
605	3' - 0"	7' - 0"	4	W/SV	F	-	-			-	BOYS LOCKERS	
606	3' - 0"	7' - 0"	4	W/SV	F	-	-			-	GIRLS LOCKERS	
607A	3' - 0"	7' - 0"	3	W/SV	E	1/4" G	-	A2/A-611	A2/A-611	A2/A-611	OFFICE	
610A	6' - 0"	7' - 0"	4 PAIR	W/SV	F	1/4" G	-			-		MAGNETIC HOLD OPEN
610B	6' - 0"	7' - 0"	4 PAIR	W/SV	F	1/4" G	-					MAGNETIC HOLD OPEN
611.1	3' - 0"	7' - 0"	4	W/SV	F	-	-			-	STAGE STORAGE	
613	6' - 4"	7' - 0"	1 PAIR	ALUM	A	1/4" G	-				-	NO REMOVABLE CENTER MULLION / ADA ACTUATOR
613A	3' - 0"	7' - 0"					-					
700	6' - 0"	7' - 0"	2 PAIR	HM/P	C	-	-	A4/A-611	A5/A-611	-		PENTHOUSE

GENERAL NOTES

A. GROUT ALL HOLLOW METAL DOOR FRAMES SOLID.
B. FINISH AND INSTALL PAINTABLE SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.
C. PAINT ALL VISIBLE SURFACES OF HOLLOW METAL GLASS STOPS.
D. ALL FRAME DIMENSIONS AND PROFILES ARE TO BE FIELD VERIFIED BEFORE FABRICATION.
E. METAL INSERTS FOR GLASS SHALL BE 1-1/4" MAX. PAINT ALL VISIBLE SURFACES OF INSERTS.
F. PAINT ALL HOLLOW METAL DOORS AND FRAMES. COLOR TO BE SELECTED BY ARCHITECT.
G. LOCATE ROOM IDENTIFICATION SIGNS AT ALL DOORS AS INDICATED ON THE DOOR SCHEDULE. SEE SPECIFICATIONS FOR SIZE AND TYPE OF SIGN. LOCATE EVACUATION SIGNS AT EACH END OF ALL CORRIDORS. LOCATE EXIT SIGNS AT ALL VESTIBULE DOORS. COORDINATE FINAL LOCATION OF ALL BUILDING SINGS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
H. GLASS IN ALL EXTERIOR DOORS AND/OR DOOR FRAMES SHALL BE 1" INSULATED GLAZING.
I. SEE SPECIFICATIONS FOR HARDWARE SCHEDULE AND INFORMATION.
J. CENTER MULLION TYPICAL ON ALL DOUBLE-LEAF DOORS UNLESS NOTED ON SHEET A-601 DOOR SCHEDULES.
K. FURNISH AND INSTALL RESTROOM IDENTIFICATION SIGNS AT ALL RESTROOMS THAT DO NOT HAVE DOORS.

LEGEND

HM/P - HOLLOW METAL/PAINT
ALUM - ALUMINUM SYSTEM FINISH TO BE SELECTED BY ARCHITECT
W/SV - WOOD SOLID CORE / STAIN & VARNISH
1" SG - 1" INSULATED SCHOOL GUARD SAFETY GLASS
1/4" SG - 1/4" SCHOOL GUARD SAFETY GLASS
1" IG - 1" INSULATED GLASS
1/4" G - 1/4" GLASS
SS - STAINLESS STEEL



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NOT FOR CONSTRUCTION
ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

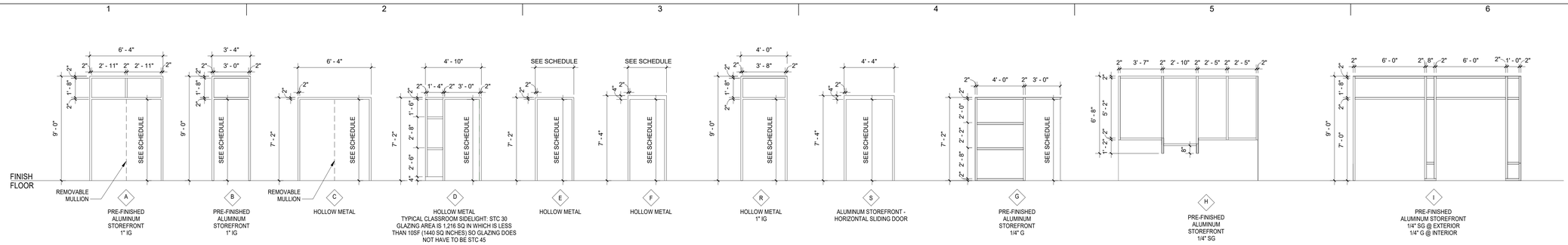
OCTOBER 2ND, 2020

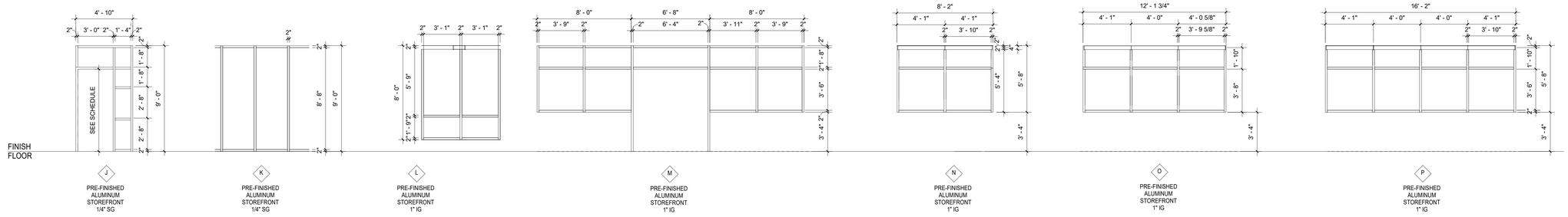
MARK	DATE	DESCRIPTION

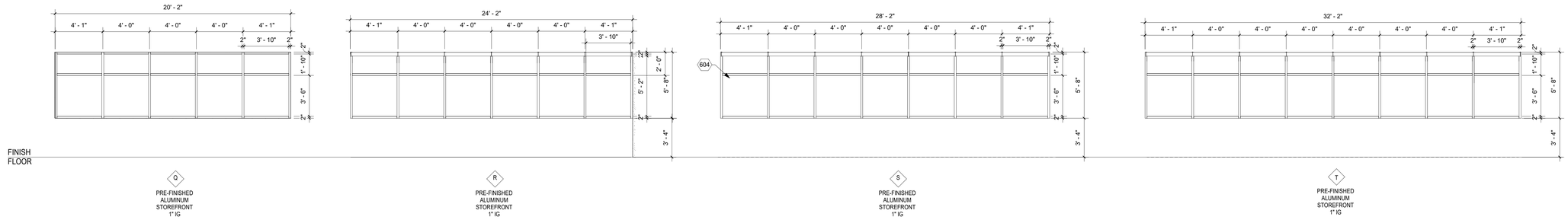
ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	FBT
CHECKED BY:	JT

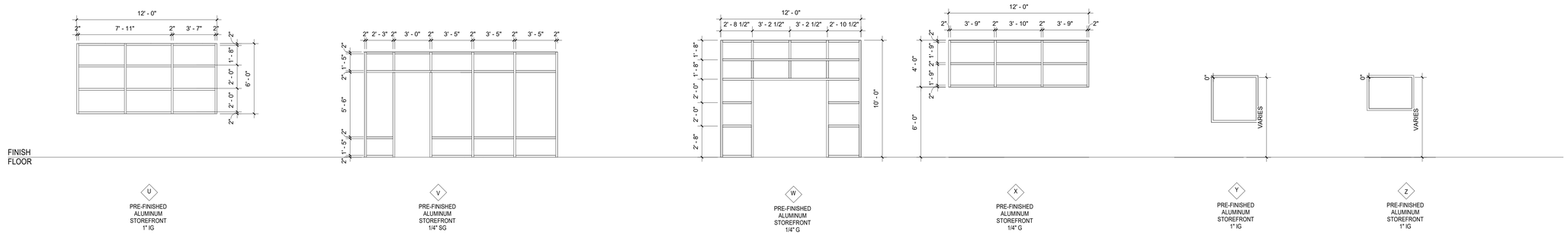
SHEET TITLE
DOOR-WINDOW SCHEDULE

A-601









KEYED NOTES

604 PROVIDE ROLLER SHADES AT WINDOW PORTION OF THIS FRAME.

GENERAL NOTES

A. **GROUT ALL HOLLOW METAL DOOR FRAMES SOLID, OR PACK ALL HOLLOW METAL DOR FRAMES SOLID WITH MINERAL FIBER.**
B. FINISH AND INSTALL PAINTABLE SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.
C. PAINT ALL VISIBLE SURFACES OF HOLLOW METAL GLASS STOPS.
D. ALL FRAME DIMENSIONS AND PROFILES ARE TO BE FIELD VERIFIED BEFORE FABRICATION.
E. METAL INSERTS FOR GLASS SHALL BE 1-1/4" MAX. PAINT ALL VISIBLE SURFACES OF INSERTS.
F. PAINT ALL HOLLOW METAL DOORS AND FRAMES. COLOR TO BE SELECTED BY ARCHITECT.
G. LOCATE ROOM IDENTIFICATION SIGNS AT ALL DOORS AS INDICATED ON THE DOOR SCHEDULE. SEE SPECIFICATIONS FOR SIZE AND TYPE OF SIGN. LOCATE EVACUATION SIGNS AT EACH END OF ALL CORRIDORS. LOCATE EXIT SIGNS AT ALL VESTIBULE DOORS. COORDINATE FINAL LOCATION OF ALL BUILDING SIGNS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
H. GLASS IN ALL EXTERIOR DOORS AND/OR DOOR FRAMES SHALL BE 1" INSULATED GLAZING.
I. SEE SPECIFICATIONS FOR HARDWARE SCHEDULE AND INFORMATION.
J. CENTER MULLION TYPICAL ON ALL DOUBLE-LEAF DOORS UNLESS NOTED ON SHEET A-601 DOOR SCHEDULES.
K. FURNISH AND INSTALL RESTROOM IDENTIFICATION SIGNS AT ALL RESTROOMS THAT DO NOT HAVE DOORS.

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NOT FOR CONSTRUCTION

ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

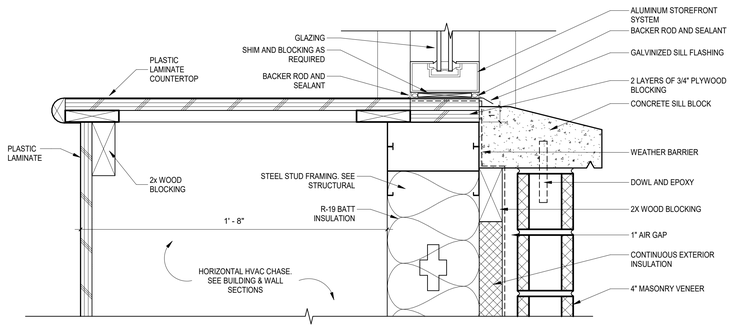
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	FBT
CHECKED BY:	JT

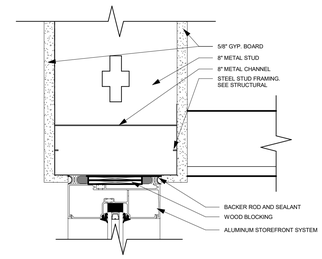
SHEET TITLE

DOOR & WINDOW FRAME ELEVATIONS

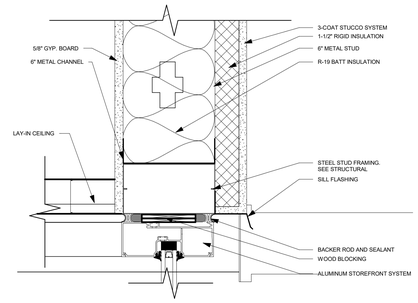
A-602



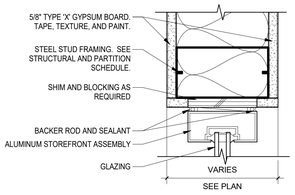
D1 STOREFRONT SILL - DISPLACEMENT CHASE
3" = 1'-0"



D3 HOGAN HIGH WINDOW HEAD
3" = 1'-0"

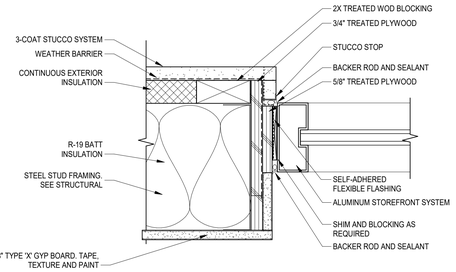


E5 WINDOW HEAD RECEP.
3" = 1'-0"

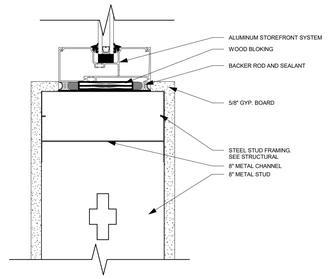


SILL SIMILAR

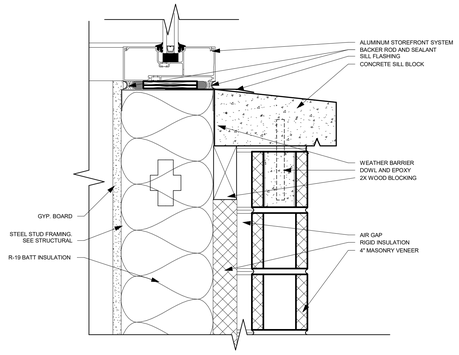
C1 INT. STOREFRONT JAMB
3" = 1'-0"



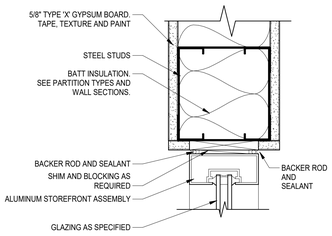
C2 STOREFRONT JAMB - STUCCO
3" = 1'-0"



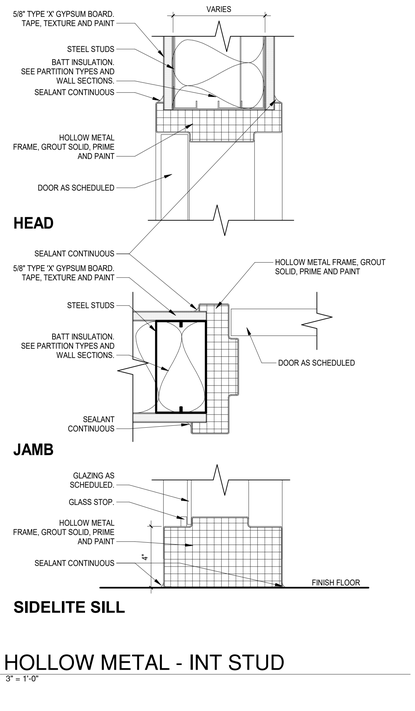
C3 HOGAN HIGH WINDOW SILL
3" = 1'-0"



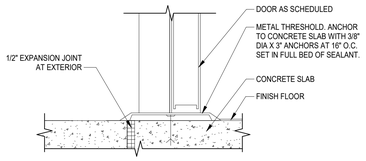
C5 WINDOW SILL RECEP.
3" = 1'-0"



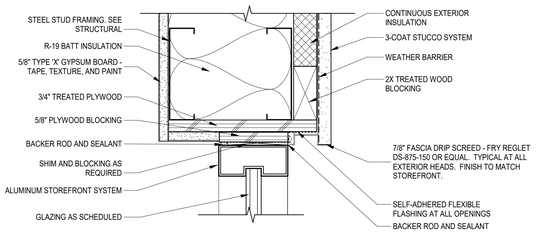
B1 INT. STOREFRONT HEAD
3" = 1'-0"



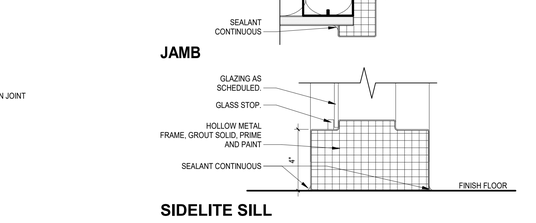
B2 STOREFRONT JAMB - STUCCO
3" = 1'-0"



B3 DOOR THRESHOLD
3" = 1'-0"



B5 STOREFRONT HEAD - STUCCO
3" = 1'-0"



A1 STOREFRONT SILL
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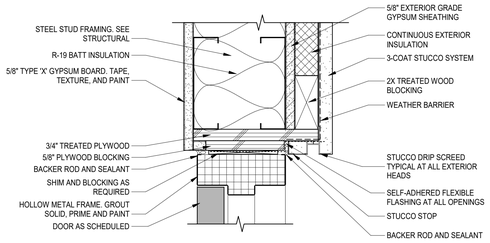
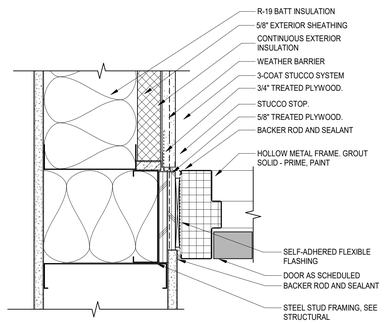


A2 HOLLOW METAL - INT STUD
3" = 1'-0"



A3 HOLLOW METAL HEAD - STUCCO
3" = 1'-0"

A5 HOLLOW METAL JAMB - STUCCO
3" = 1'-0"

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

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OCTOBER 2ND, 2020

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SHEET TITLE

WINDOW / STOREFRONT DETAILS

A-611

School Information

10/8/2020 12:09:25 PM

ROOM FINISH LEGEND			DZ - DORMATORY & SCHOOL
CARPET TILES - 12" X 24"			
	CPT1	MANUFACTURER:	SHAW CONTRACT FLOORING
		STYLE/ COLLECTION:	THINK/ MINDFUL PLAY
		COLOR:	TBD
NOTE:		INSTALLATION METHOD:	(CONFIRM @ TIME OF INSTALL.)
CARPET TILES - 18" X 36"			
	CPT2	MANUFACTURER:	SHAW CONTRACT FLOORING
		STYLE/ COLLECTION:	ENCLAVE / SHIFTING FIELDS
		COLOR:	TBD
NOTE:		INSTALLATION METHOD:	(CONFIRM @ TIME OF INSTALL.)
WALK-OFF MODULAR TILE - 24" X 24" - 10'-0" IN THE DIRECTION OF TRAVEL			
	CPT3	MANUFACTURER:	INTERFACE COMMERCIAL
		STYLE:	SUPER FLOR
		COLOR:	TBD
NOTE:		INSTALLATION METHOD:	1/4 TURNED INSTALLATION
VINYL COMPOSITION TILE 12" X 12"			
BASE BID		MANUFACTURER:	ARMSTRONG COMMERICAL TILE
		STYLE/ COLLECTION:	PREMIUM EXCELON/ CROWN TEXTURE
FIELD 40%	VCT1	COLOR:	TBD
FIELD 30%	VCT2	COLOR:	TBD
ACCENT 10%	VCT3	COLOR:	TBD
ACCENT 10%	VCT4	COLOR:	TBD
ACCENT 10%	VCT5	COLOR:	TBD
LUXURY VINYL TILE - 12" X 24"			
ADD ALT. #1		MANUFACTURER:	MANNINGTON COMMERICAL
		STYLE/ COLLECTION:	STRIDE & GROOVE/ COLOR ANCHOR
FIELD 40%	LVT1	COLOR:	TBD
FIELD 30%	LVT2	COLOR:	TBD
ACCENT 10%	LVT3	COLOR:	TBD
ACCENT 10%	LVT4	COLOR:	TBD
ACCENT 10%	LVT5	COLOR:	TBD
PORCELAIN FLOOR TILE - 24" X 24"			
RESTROOMS		MANUFACTURER:	DALTILE
	FT1	SERIES:	TBD
		COLOR:	TBD
NOTE:		INSTALLATION METHOD:	RUNNING BOND
PORCELAIN WALL TILE BASE - 12" X 24" (CUT IN FIELD FOR 6" APPLICATION			
	PWB	MANUFACTURER:	DALTILE
		SERIES:	
		COLOR:	
NOTE:		EPOXY FLOOR GROUT: MFG: LATICRETE - COLOR: TBD	
PORCELAIN STONE TILE - 6" X 6" (PTG) & WALL BASE (PTGB)			
KITCHEN		MANUFACTURER:	DALTILE
	PTG/ PTGB	SERIES:	SURETREAD
		COLOR:	TBD
NOTE:		EPOXY FLOOR GROUT: MFG: LATICRETE - COLOR: TBD	
SPORTS FLOORING - MULTI-USE GYM			
		MANUFACTURER:	TARKETT SPORTS FLOORING
	SPF	SERIES:	OMNISPORTS - CLASS 2
		COLOR:	TBD
SEALED CONCRETE			
		MANUFACTURER:	REFER TO PROJECT SPECIFICATION MANUAL
4" VINYL WALL COVE BASE			
	VB1	MANUFACTURER:	JOHNSONITE
		COLOR:	TBD

WOOD ATHLETIC FLOORING			
		MANUFACTURER:	AACER SPORTS FLOORING
		SERIES:	AACER CRUSH II
		WOOD SPECIES:	TBD
FLOOR TRANSITION			
		MANUFACTURER:	SCHLUTER SYSTEMS
LVT/ CARPET		SERIES:	CONTRACTOR TO PROVIDE
LVT/ PORCELAIN TILE		FINISH:	SATIN ANODIZED ALUMINUM
WALLS			
WALL TILE - GLAZED TILE - 8" X 24"			
		MANUFACTURER:	DALTILE
		COLLECTION:	COLOR WHEEL - LINEAR
FIELD 50%	WT 1	COLOR:	TBD
ACCENT 30%	WT 2	COLOR:	TBD
ACCENT 10%	WT 3	COLOR:	TBD
ACCENT 10%	WT 3	COLOR:	TBD
NOTE:		WALL GROUT: MFG: LATICRETE - COLOR: TBD	
CORNER BEAD - EDGE PROTECTION AT 90 DEGREE OUTSIDE CORNER			
		MANUFACTURER:	SCHLUTER SYSTEMS
		SERIES:	ED/RO 100E
		FINISH:	SATIN ANODIZED ALUMINUM
		SIZE:	3/8" X 10'-0" CUT TO LENGTH
PAINT			
		MANUFACTURER:	DUNN EDWARDS
FIELD	PT1	COLOR:	
HMDF	PT2	COLOR:	
ACCENT	PT3	COLOR:	
ACCENT	PT4	COLOR:	
ACCENT	PT5	COLOR:	
FRP PANEL			
JANITOR		MANUFACTURER:	MARLITE PANEL SYSTEMS
	FRP1	FINISH:	PEBBLED SURFACE
		COLOR :	# P100 WHITE
PLASTIC LAMINATE			
		MANUFACTURER:	TBD
	PL1	COLOR:	TBD
LOCATION:		HORIZONTAL/ UPPER CASEWORK IN BREAKROOM	
		MANUFACTURER:	TBD
	PL2	COLOR:	TBD
LOCATION:		LOWER CASEWORK IN BREAKROOM	
		MANUFACTURER:	TBD
	PL3	COLOR:	TBD
		MANUFACTURER:	TBD
	PL4	COLOR:	TBD

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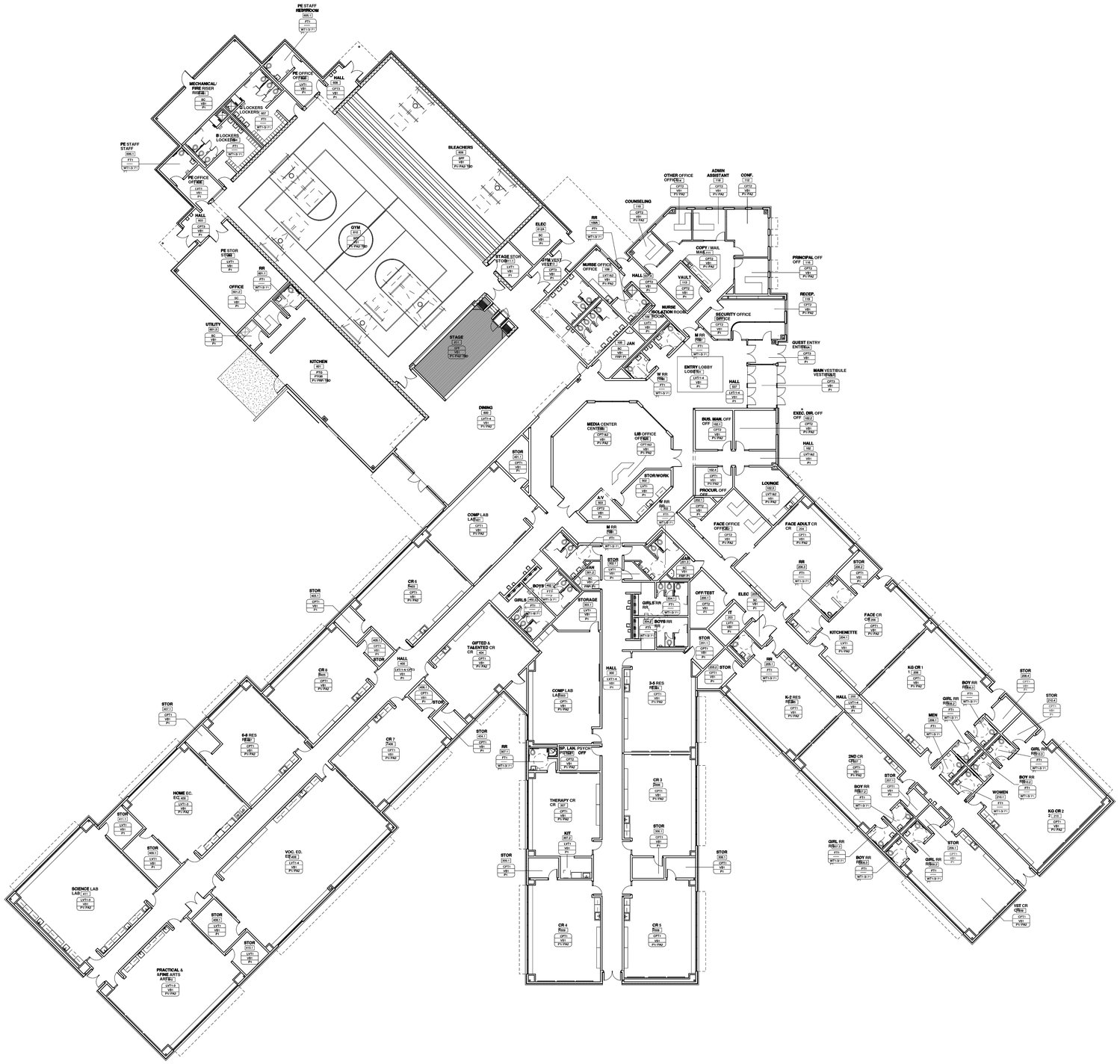
INTERIOR FINISH LEGEND

ID-101

School Information



A1 INTERIOR FINISH PLAN
1/16" = 1'-0"

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CHECKED BY:	JT

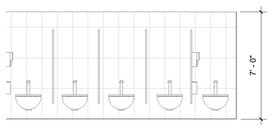
SHEET TITLE

FLOOR FINISH PLANS

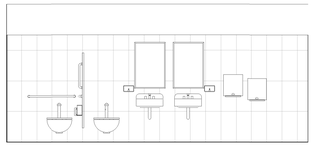
ID-102

10/5/2020 3:42:50 PM

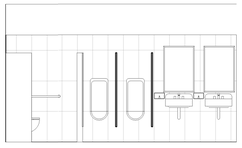
School Information



25 RR 615 FIXTURE ID
1/4" = 1'-0"



26 RR 615 LAVATORY ID
1/4" = 1'-0"



23 RR 614 FIXTURE ID
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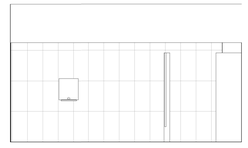
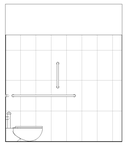
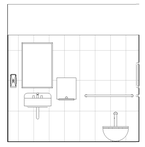


24 RR 614 LAVATORY ID
1/4" = 1'-0"

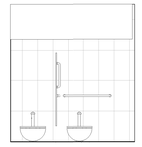


20 RR 107 - SIDE ID
1/4" = 1'-0"

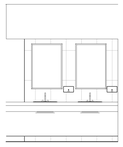


21 RR 107 FIXTURE ID
1/4" = 1'-0"

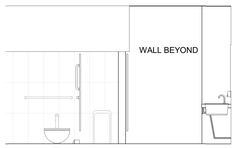
22 RR 208.1 FIXTURE ID
1/4" = 1'-0"



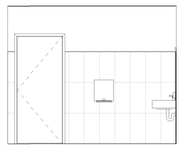
27 W RR - FIXTURE ID
1/4" = 1'-0"



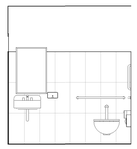
28 W RR - LAVATORY ID
1/4" = 1'-0"



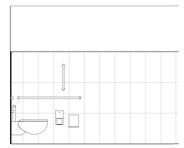
15 MEN 301 - FIXTURE ID
1/4" = 1'-0"



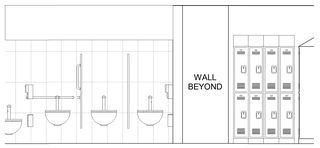
17 PE - ENTRANCE ID
1/4" = 1'-0"



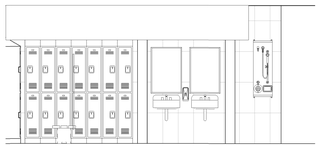
18 PE - FIXTURE ID
1/4" = 1'-0"



19 PE - SIDE ID
1/4" = 1'-0"

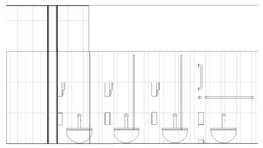


14 LOCKER FIXTURE ID
1/4" = 1'-0"



16 LOCKER ROOM LAVATORY ID
1/4" = 1'-0"

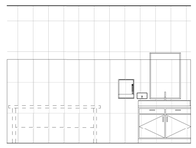
12 GIRLS RR ENTRANCE ID
1/4" = 1'-0"



13 GIRLS RR FIXTURE ID
1/4" = 1'-0"

9 FACE RR - FIXTURE ID
1/4" = 1'-0"

10 FACE RR - SIDE ID
1/4" = 1'-0"



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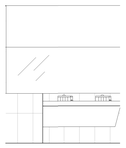

7 BOYS RR ENTRANCE ID
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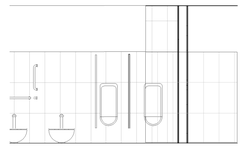

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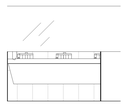

1 401.4 ENTRANCE ID
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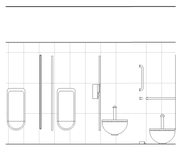

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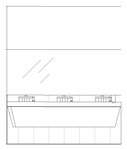

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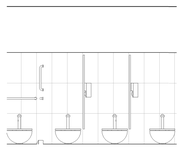

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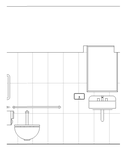

5 BOYS RR 207.2 FIXTURE ID
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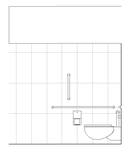

6 BOYS RR 207.2 SIDE ID
1/4" = 1'-0"

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FOOD SERVICE
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NOT FOR CONSTRUCTION

ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 2ND, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

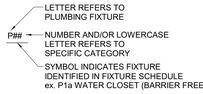
INTERIOR ELEVATION FINISHES

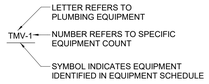
ID-401

School Information

PLUMBING SYMBOL LEGEND

PLUMBING FIXTURE & EQUIPMENT SYMBOL





P1	WATER CLOSETS
P2	URINALS
P3	LAVATORIES
P4	SINKS
P5	SERVICE SINKS
P6	WATER COOLERS/DRINKING FOUNTAINS
P7	SHOWERS/BATHTUBS
P8	WATER HAMMERS/SHOCK ABSORBERS
P9	HOSE BIBBS
P10	HYDRANTS
P11	SUPPLY BOXES
P12	WASHER BOXES
P13	EYEWASH/EYEWASH SHOWERS
P14	CLINIC SINKS
P15	TRAP PRIMER

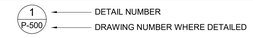
TMV-1	THERMOSTATIC MIXING VALVE
DWH-1	DOMESTIC WATER HEATER
EWH-1	ELECTRIC WATER HEATER
IWH-1	INSTANTANEOUS WATER HEATER
RCP-1	RECIRCULATION PUMP
EXP-1	EXPANSION TANK
RPZ-1	REDUCED PRESSURE ZONE BACKFLOW
BFP-1	DOUBLE CHECK BACKFLOW
GI-1	GREASE INTERCEPTOR
OI-1	OIL INTERCEPTOR
OS-1	OIL/SAND INTERCEPTOR
AN-1	ACID NEUTRALIZER
LI-1	LINT INTERCEPTOR
GM-1	GAS METER
REG-1	REGULATOR
PRV-1	PRESSURE REDUCING VALVE

FD1	FLOOR DRAINS
FS1	FLOOR SINKS
RD1	ROOF DRAINS
ORD1	OVERFLOW DRAINS
DSN1	DOWNSPOUT NOZZLES
AD1	AREA DRAINS
DD1	DECK DRAINS

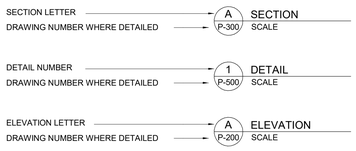
NOTE: NOT ALL FIXTURE & EQUIPMENT SYMBOLS APPLY TO THIS PROJECT

SECTION SYMBOL

DETAIL SYMBOL



SECTION, ELEVATION, AND DETAIL TITLES



PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
AV	AV	ACID VENT
AW	AW	ACID WASTE
CA	CA	COMPRESSED AIR
CD	CD	CONDENSATE DRAIN
DCW	DCW	DOMESTIC COLD WATER
DHW	DHW	DOMESTIC HOT WATER
DHWR	DHWR	DOMESTIC HOT WATER RETURN
DHW 140ºF	DHW 140ºF	140° DOMESTIC HOT WATER
DHWR 140ºF	DHWR 140ºF	140° DOMESTIC HOT WATER RETURN
ROS	ROS	REVERSE OSMOSIS SUPPLY
ROR	ROR	REVERSE OSMOSIS RETURN
MU	MU	MAKE-UP WATER
NPW	NPW	NON-POTABLE WATER
V	V	VENT
DIS	DIS	DEIONIZED WATER SUPPLY
DIR	DIR	DEIONIZED WATER RETURN
SAN	SAN	SANITARY SEWER
GW	GW	GREASE WASTE
GV	GV	GREASE VENT
RD	RD	STORM/ROOF DRAIN
ORD	ORD	OVERFLOW ROOF DRAIN
LPG	LPG	LIQUEFIED PETROLEUM GAS
G	G	NATURAL GAS-LOW PRESSURE
NGM	NGM	NATURAL GAS-MEDIUM PRESSURE
NGH	NGH	NATURAL GAS-HIGH PRESSURE
IRR	IRR	IRRIGATION
SCW	SCW	SOFT COLD WATER
SHW	SHW	SOFT HOT WATER
TWR (___)	TWR	TEMPERED WATER RETURN (TEMP °F)
TW (___)	TW	TEMPERED WATER (TEMP °F)
PD	PD	PUMPED DISCHARGE LINE
ICW	ICW	INDUSTRIAL COLD WATER
IHW	IHW	INDUSTRIAL HOT WATER
IHWR	IHWR	INDUSTRIAL HOT WATER RETURN
INW	INW	INDUSTRIAL WASTE
IA	IA	INSTRUMENT COMPRESSED AIR
IW	IW	INDIRECT WASTE
LA	LA	LAB COMPRESSED AIR

VALVE SYMBOLS

SYMBOL	DESCRIPTION
	GATE VALVE
	GLOBE VALVE
S	SOLENOID VALVE
	OS&Y VALVE
	BUTTERFLY VALVE
OR OR	BALL VALVE
OR	CHECK VALVE
OR	PLUG VALVE
	BALANCING VALVE/CIRCUIT SETTER DEVICE
	PRESSURE REDUCING VALVE
	REGULATING/SUSTAINING VALVE
	2-WAY CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	FUEL GAS PRESSURE REGULATOR
	PRESSURE RELIEF VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	DRAIN VALVE
	VALVE IN VERTICAL
	FLOW SWITCH
	DIAPHRAGM (PROCESS SYSTEMS)
	REDUCED PRESSURE BACKFLOW PREVENTER (RPZ)
	ATMOSPHERIC VACUUM BREAKER
	PRESSURE STYLE VACUUM BREAKER

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
AVTR	ACID RESISTANT VENT THROUGH ROOF
B.C.	BALANCING COCK
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CWB	CLOTHES WASHER BOX
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CP	CIRCULATION PUMP
CWV	COMBINATION WASTE AND VENT
DCO	DOUBLE CLEANOUT
DCOTG	DOUBLE CLEANOUT TO GRADE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
EL	ELEVATION
EWH	ELECTRIC WATER HEATER
EWC	ELECTRIC WATER COOLER
EEW	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESEW	EMERGENCY SHOWER EYE WASH
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FFE	FINISHED FLOOR ELEVATION
FT	FEET
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FV	FLUSH VALVE
GD	GUTTER DRAIN
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INV	INVERT
kW	KILOWATT
MBh	1,000 BTUH
MV	MIXING VALVE
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
Ph	POWERS OF HARDNESS
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT
WCO	WALL CLEANOUT
WC	WATER CLOSET

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
XX		KEYED NOTE
		POINT OF CONNECTION TO EXISTING
XXXXX		EXISTING PIPE TO BE REMOVED
		NEW PIPING
		EXISTING PIPING TO REMAIN
		NEW PIPE CONNECTION TO EXISTING PIPING
		SLOPE OF PIPE
		DIRECTION OF FLOW
		DROP IN PIPE
		RISE IN PIPE
		TOP CONNECTION, 45° OR 90°
		BOTTOM CONNECTION, 45° OR 90°
		CAPPED OUTLET
		SIDE CONNECTION
		UNION
		FLANGED UNION
		ORIFICE UNION
		REDUCER OR INCREASER
		ECCENTRIC REDUCER
		PIPE GUIDE
		FLEXIBLE CONNECTION
		UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG)
		STRAINER WITH BLOWDOWN VALVE & HOSE BIBB
		THERMOMETER
		PRESSURE GAUGE AND GAUGE COCK
		AQUASTAT
OR		WATER HAMMER ARRESTOR
		TEST PLUG (PRESS/TEMP)
		PENETRATION
	MAV	MANUAL AIR VENT (MAV)
A	AAV	AUTOMATIC AIR VENT (AAV)
	FS/FD/AD	FLOOR SINK , FLOOR DRAIN , AREA DRAIN
	FCO/COTG	FLOOR CLEANOUT/CLEANOUT TO GRADE
	DCOTG	TWO WAY OR DOUBLE CLEANOUT TO GRADE
	RD/OD/DD	ROOF DRAIN/OVERFLOW DRAIN/DECK DRAIN
	TP	TRAP PRIMER WITH ACCESS PANEL
	VTR	VENT THROUGH ROOF
	AG	AIR GAP FITTING
	(WH) (HB)	WALL HYDRANT, HOSE BIBB
	WCO	WALL CLEANOUT

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

PLUMBING LEGEND

P-001

Dzilth-Na-O-Dith-Hle - New School
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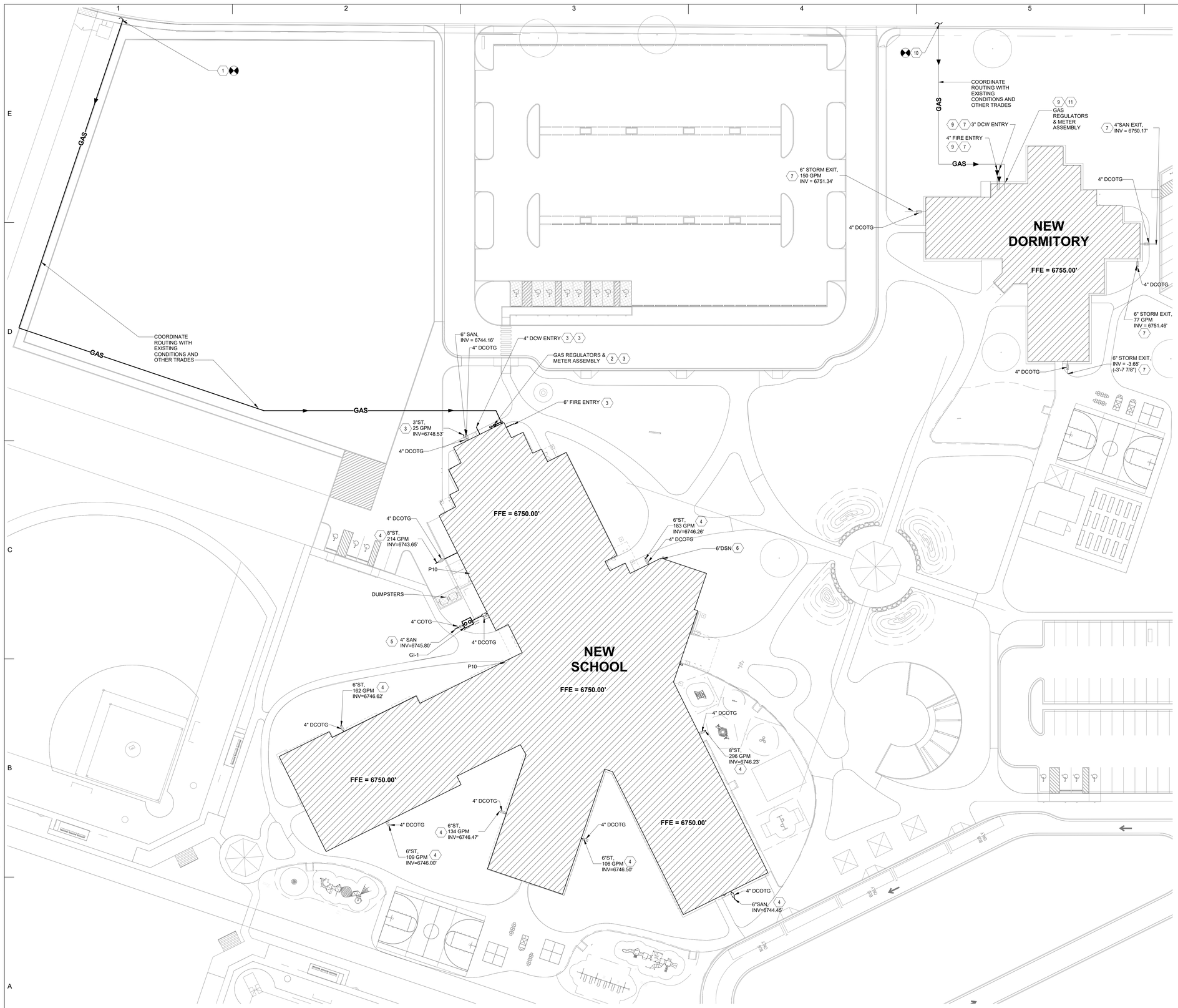
Bridgers & Paxton Project No: 8226
School Information



A1 PLUMBING SITE PLAN

SCALE: 1" = 30'-0"

0' 15' 30' 60'

GENERAL NOTES

A. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE CITY UTILITY DEPARTMENT AS TO LOCATION AND SCHEDULING OF TIE-INS / CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
B. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
C. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO BACKFILLING.
D. DRAWINGS MAY NOT SHOW ALL EXISTING UTILITIES.
E. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
F. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
G. CONTRACTOR SHALL REFER TO ARCHITECTURAL & PLUMBING PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE: SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, AND GAS SERVICE BEFORE COMMENCING ANY UTILITY WORK.
H. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF EXISTING SLOPED PAVING, RAMPS, SIDEWALKS AND BUILDING ENTRANCE LOCATIONS WITH LOCATION AND SIZE OF DOWNSPOUTS.
I. ALL SANITARY SEWER AND WATER LINES SHALL COMPLY WITH
J. THE REQUIREMENTS AS SPECIFIED IN THE SITE WORK SPECIFICATIONS.
K. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF THE SITE.

KEYNOTES

1. CONNECT NEW GAS LINE SERVING NEW CLASSROOM TO EXISTING GAS LINE. COORDINATE WITH NEW MEXICO GAS COMPANY PRIOR TO INSTALLATION. TEST EXISTING GAS LINES AND REPLACE SECTIONS THAT FAIL. REFER TO NATURAL GAS SIZING CRITERIA ON CLASSROOM DRAWING P-702 FOR NEW CLASSROOM BUILDING CFH LOAD.
2. GAS METER PROVIDED BY UTILITY COMPANY. PROVIDE REGULATORS AND REGULATE INCOMING HIGH PRESSURE GAS DOWN TO 2 PSI. REFER TO NATURAL GAS SIZING CRITERIA ON CLASSROOM DRAWING P-702 FOR NEW CLASSROOM BUILDING CFH LOAD AND DETAIL XX/P-502.
3. REFER TO CIVIL DRAWING C204 FOR CONTINUATION.
4. REFER TO CIVIL DRAWING C207 FOR CONTINUATION.
5. GREASE INTERCEPTOR WITH SAMPLING PORT. REFER TO DETAIL XXP-501.
6. DOWNSPOUT NOZZLE. DISCHARGE ONTO SPLASH BLOCK.
7. REFER TO CIVIL DRAWING C205 FOR CONTINUATION.
8. REFER TO ENLARGED CLASSROOM DRAWING C3/P-402 FOR PIPE CONTINUATION INTO CLASSROOM BUILDING.
9. REFER TO ENLARGED DORM DRAWING D1/P-402 FOR PIPE CONTINUATION INTO DORM BUILDING.
10. CONNECT NEW GAS LINE SERVING NEW DORM TO EXISTING GAS LINE. COORDINATE WITH NEW MEXICO GAS COMPANY PRIOR TO INSTALLATION. TEST EXISTING GAS LINES AND REPLACE SECTIONS THAT FAIL. REFER TO NATURAL GAS SIZING CRITERIA ON DORM DRAWING P-702 FOR NEW DORM BUILDING CFH LOAD.
11. GAS METER PROVIDED BY UTILITY COMPANY. PROVIDE REGULATORS AND REGULATE INCOMING HIGH PRESSURE GAS DOWN TO 2 PSI. REFER TO NATURAL GAS SIZING CRITERIA ON DORM DRAWING P-702 FOR NEW DORM BUILDING CFH LOAD AND DETAIL XX/P-502.

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Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

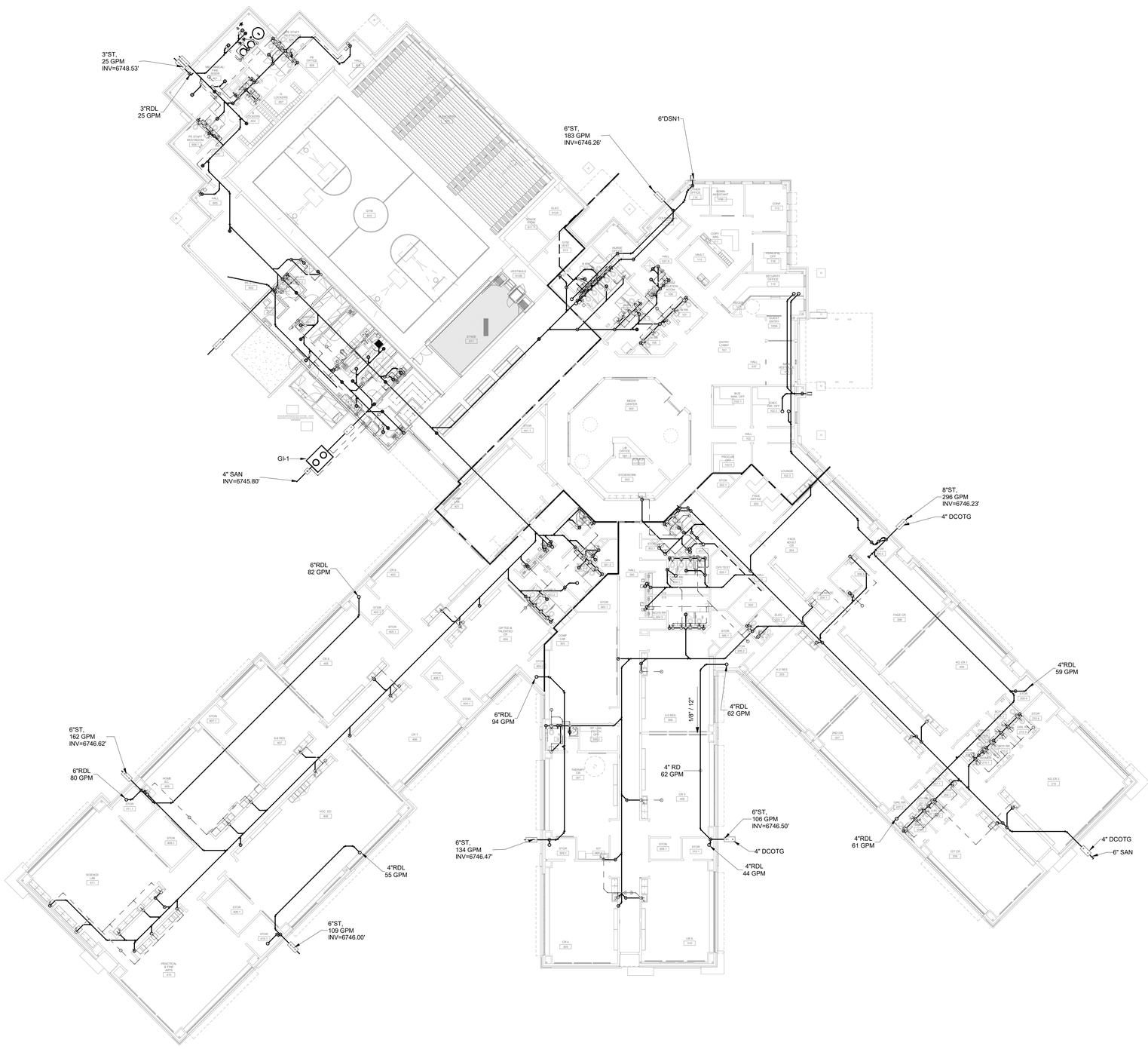
ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

PLUMBING SITE PLAN

PS101

Bridges & Paxton Project No: 8226 10/1/2020 3:35:21 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_SNBurford.rvt
School Information

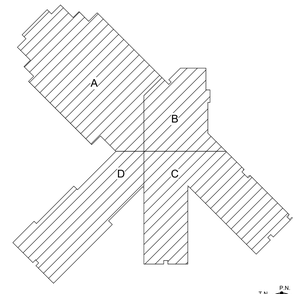


NOTE:

A. THIS PLAN IS INTENDED TO SHOW OVERALL ROUTING OF SANITARY, STORM, AND VENT SYSTEMS ONLY. SEE PARTIAL PLANS FOR COMPLETE INFORMATION.

A1 WASTE & VENT FLOOR PLAN
1/16" = 1'-0"

0' 8' 16' 32'



KEY PLAN

N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

WASTE & VENT FLOOR PLAN

PL-101

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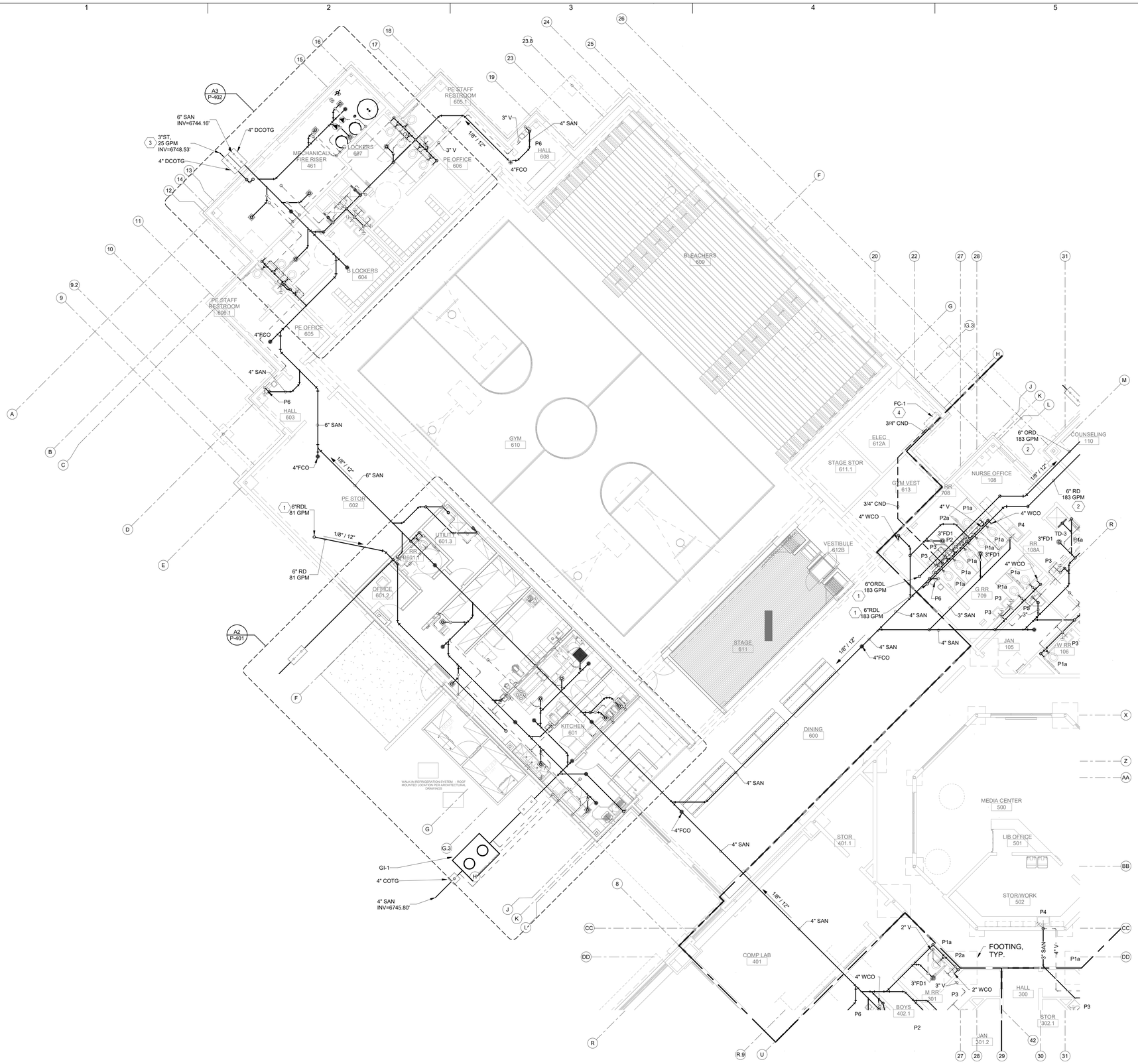
School Information



GENERAL NOTES

A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
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I. ALL P-TRAPS TO FLOOR SINKS AND FLOOR DRAINS SHALL BE SUPPLIED WITH A TRAP SEAL GUARD.
J. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
K. REFER TO DRAWING P-702 FOR PLUMBING EQUIPMENT SCHEDULES.
L. ALL STORM, SANITARY AND WASTE PIPING IS BELOW THIS SLAB UNLESS OTHERWISE NOTED.

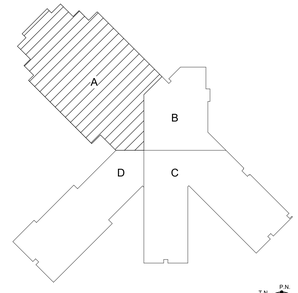
KEYNOTES

1. ROOF DRAIN DOWN FROM ROOF ABOVE.
2. ROOF DRAIN PIPING ROUTED TIGHT TO STRUCTURE.
3. ROOF DRAIN LEADER DOWN TO BELOW FOOTING AND OUT TO DOUBLE CLEANOUT, REFER TO CIVIL DRAWING FOR STORM CONTINUATION.
4. 3/4" CONDENSATE FROM HVAC UNIT, CONNECT TO LAVATORY TAIL PEICE IN RESTROOM, REFER TO DETAIL BS/P-503.

A1 WASTE & VENT FLOOR PLAN A
1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN



N.T.S.

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Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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CHECKED BY:	IM

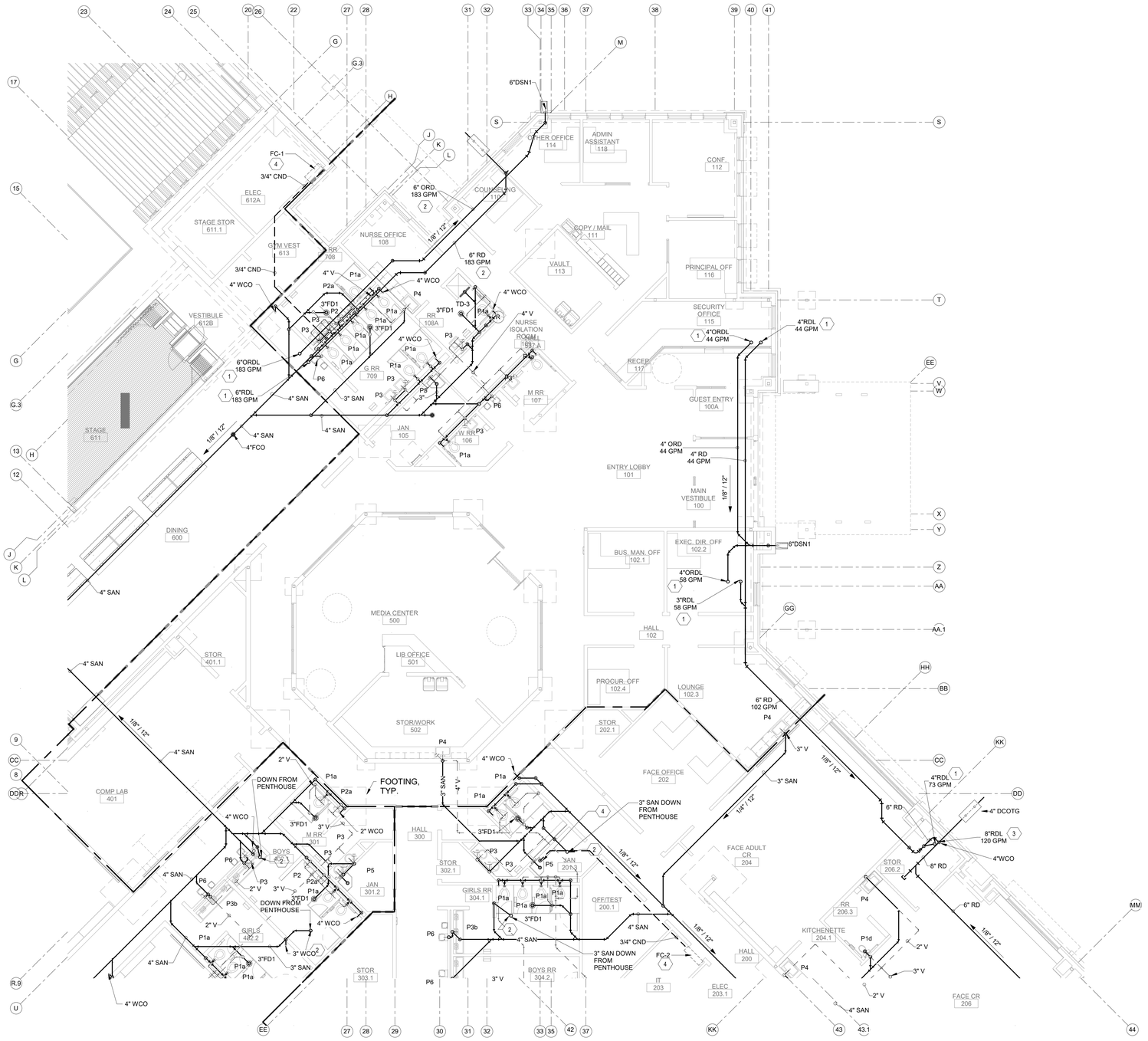
SHEET TITLE

WASTE & VENT FLOOR PLAN A

PL-101A

Bridgers & Paxton Project No: 8226 10/1/2020 3:33:59 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_SNBurford.rvt

School Information



A1 WASTE & VENT FLOOR PLAN B

1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

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KEYNOTES

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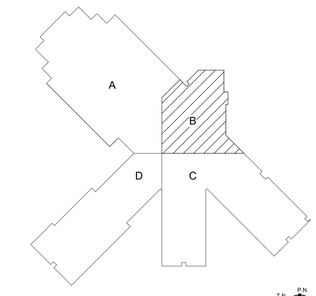

KEY PLAN N.T.S.

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Dzilth-Na-O-Dith-Hle - New School

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CHECKED BY:	IM

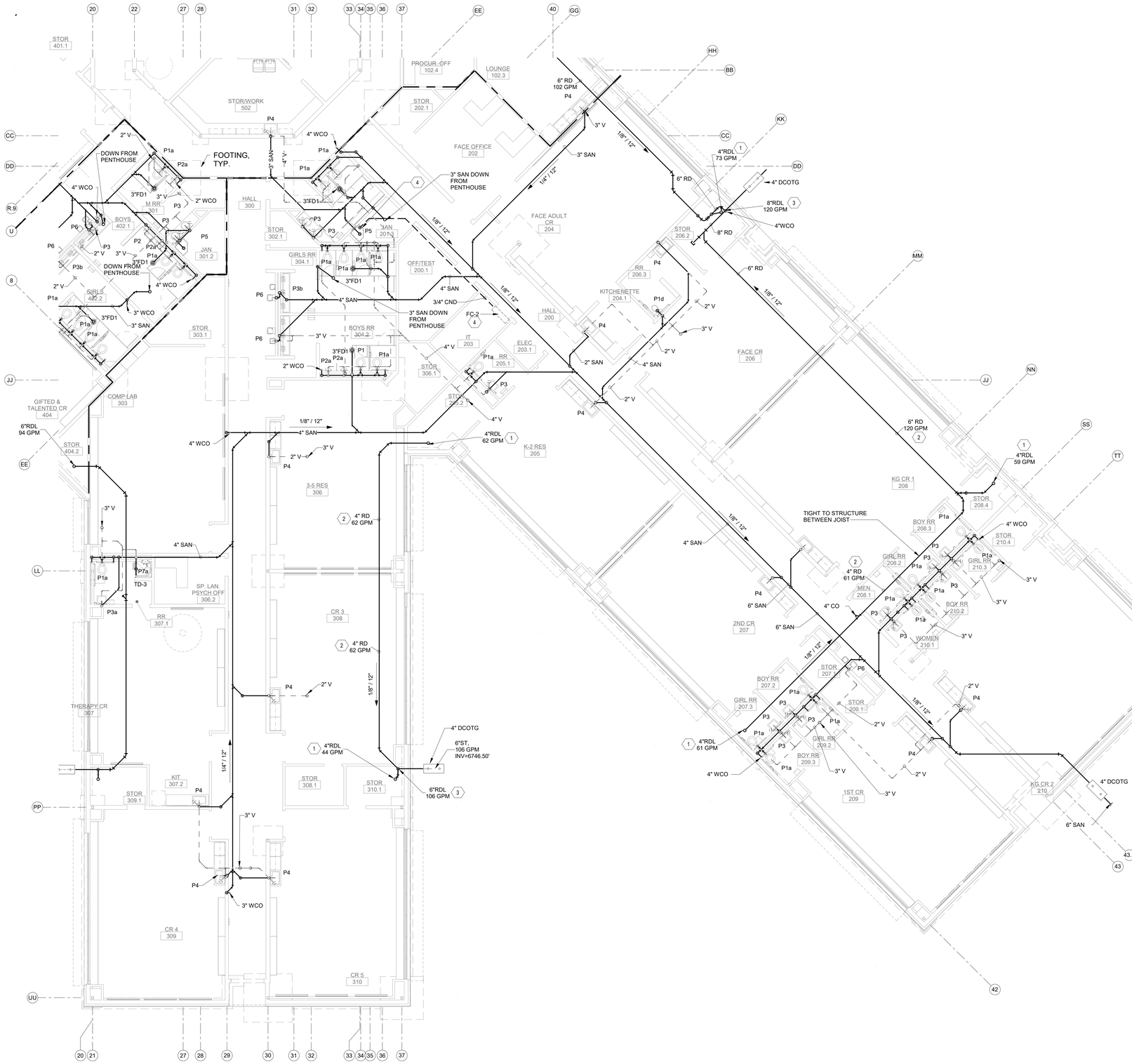
SHEET TITLE

WASTE & VENT FLOOR PLAN B

PL-101B

Bridges & Paxton Project No: 8226 10/1/2020 3:34:04 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_SNBurford.rvt

School Information



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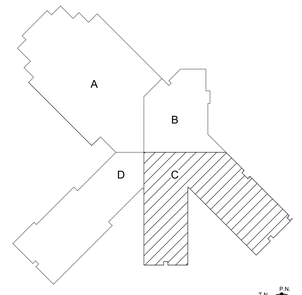
4. 3/4" CONDENSATE FROM HVAC UNIT, INDIRECT DISCHARGE TO SERVICE SINK.

A1 WASTE & VENT FLOOR PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN



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Dzilth-Na-O-Dith-Hle - New School

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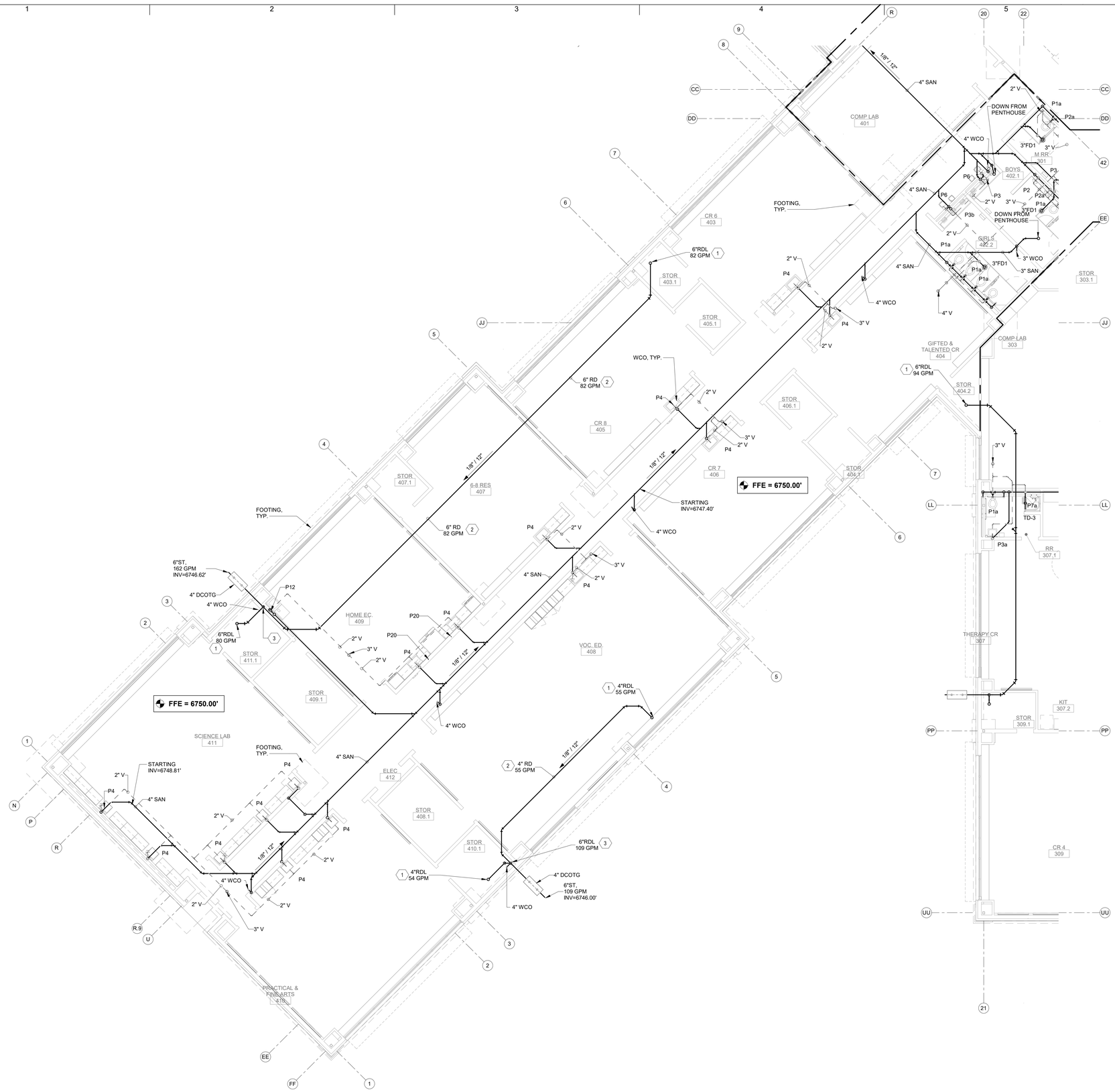
SHEET TITLE

WASTE & VENT FLOOR PLAN C

PL-101C

Bridgers & Paxton Project No: 8226 10/1/2020 3:34:09 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_SNBuford.rvt

School Information



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KEYNOTES

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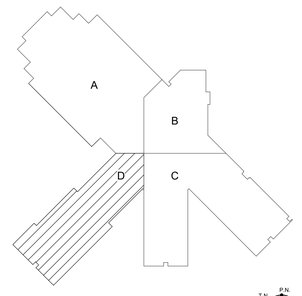
A1 WASTE & VENT FLOOR PLAN D
1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN



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Dzilth-Na-O-Dith-Hle - New School

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SHEET TITLE

WASTE & VENT FLOOR PLAN D

PL-101D

School Information

Bridgers & Paxton Project No. 8226
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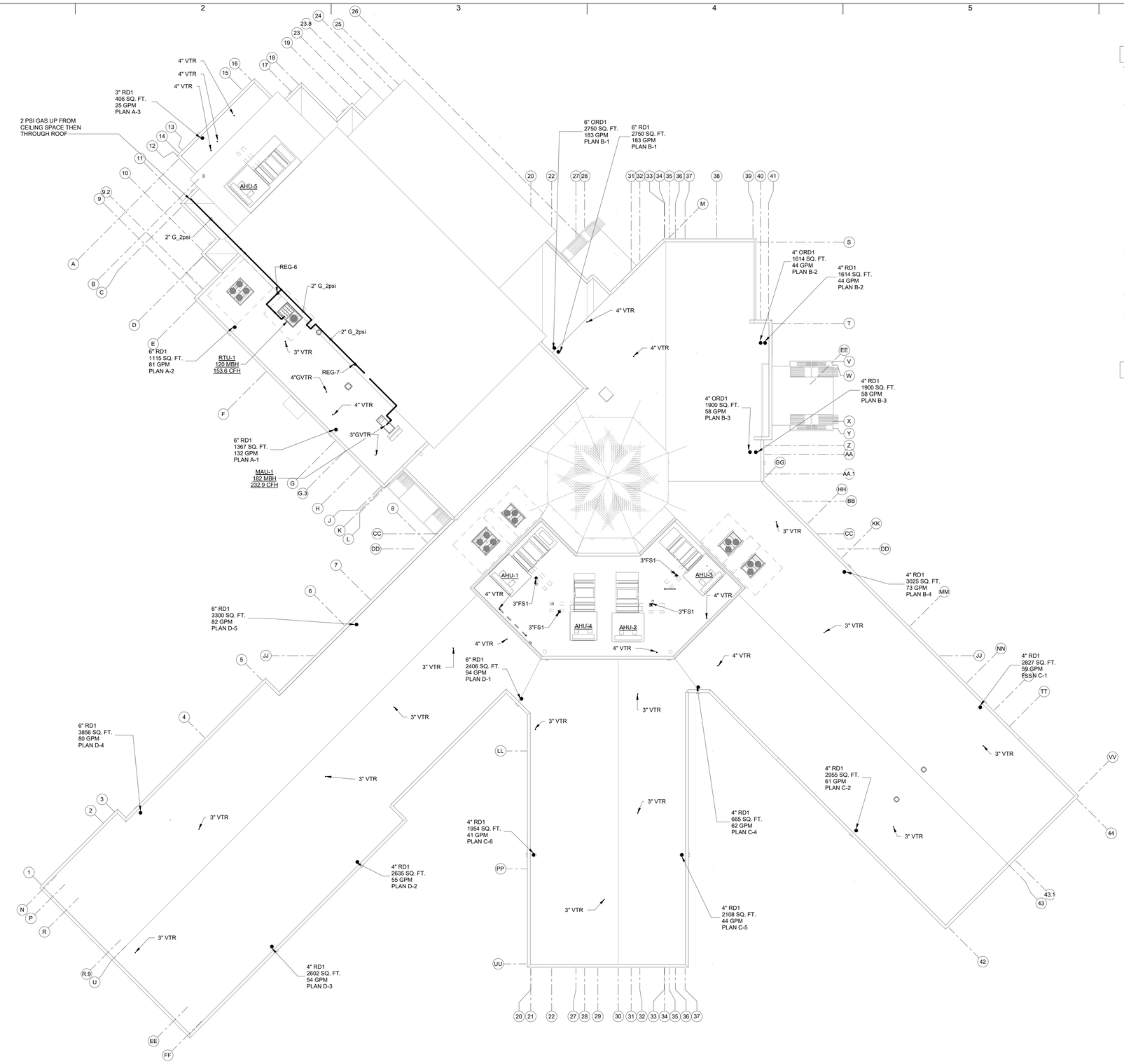
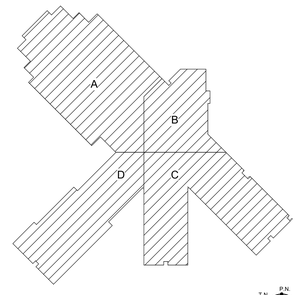


A1 PLUMBING ROOF PLAN

1/16" = 1'-0"

0' 8' 16' 32'



KEY PLAN

T.N. P.N.

N.T.S.

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KEYNOTES

1. XXXX.

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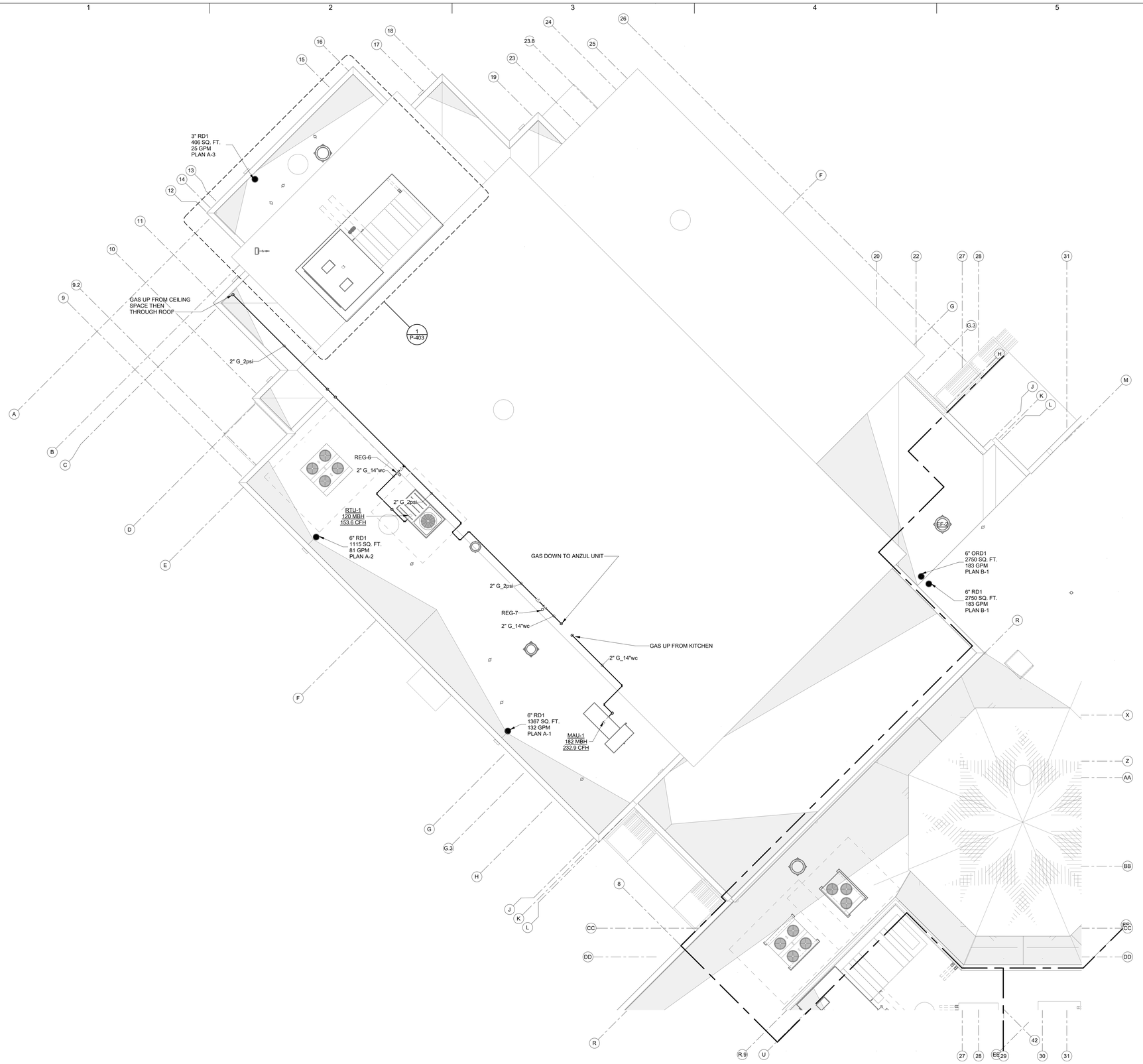
SHEET TITLE

PLUMBING ROOF PLAN

PL-131



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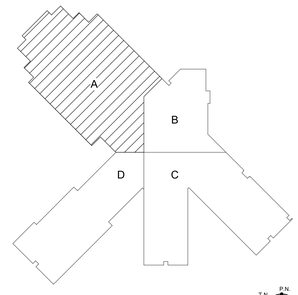

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DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

PLUMBING ROOF PLAN A

PL-131A

Dzilth-Na-O-Dith-Hle - New School

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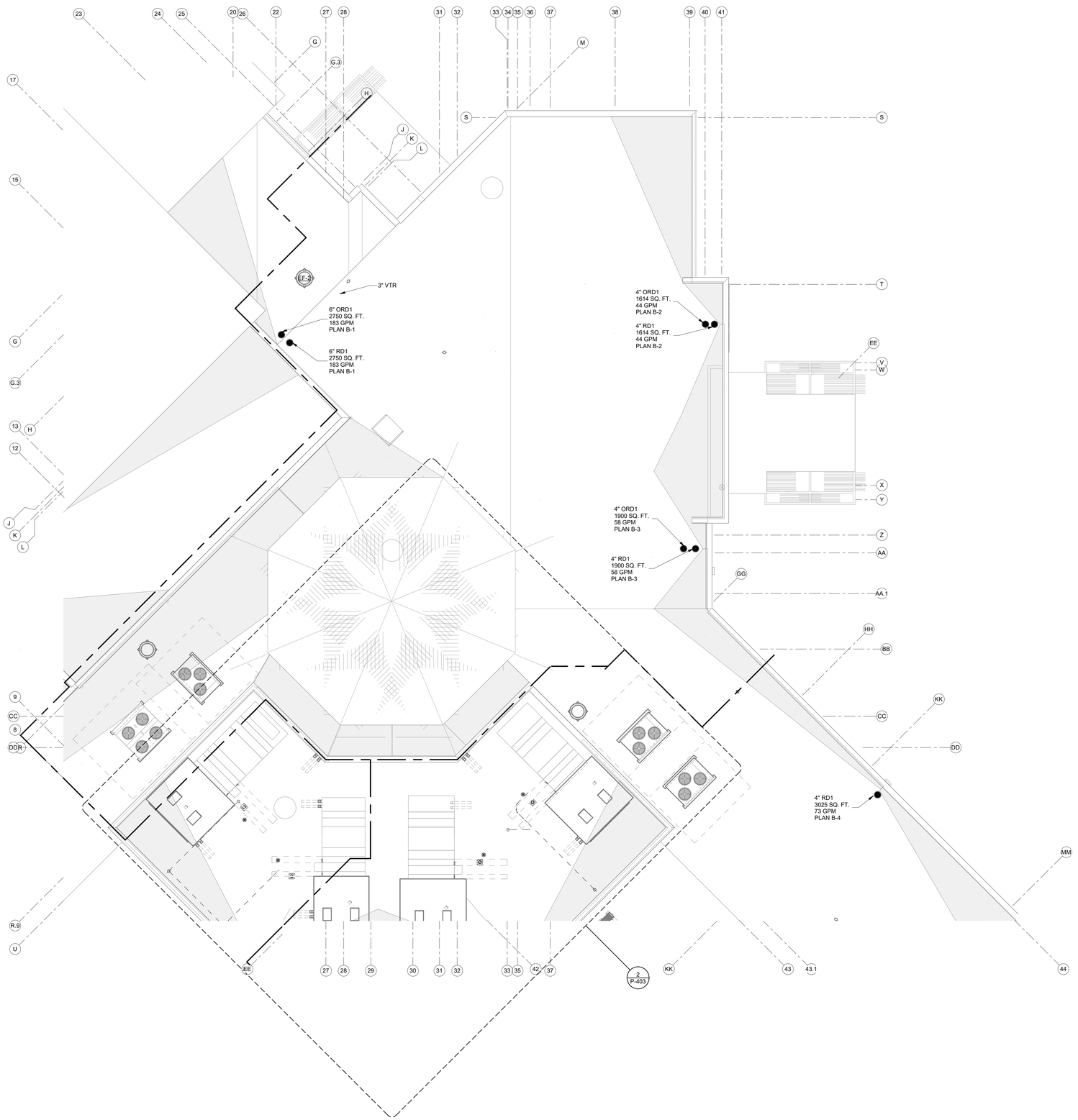
Bridgers & Paxton Project No: 8226

School Information



A1 PLUMBING ROOF PLAN B

1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

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B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
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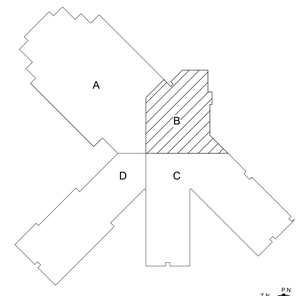
H. ALL PLUMBING FIXTURES SHALL HAVE WALL CLEANOUTS.
I. ALL P-TRAPS TO FLOOR SINKS AND FLOOR DRAINS SHALL BE SUPPLIED WITH A TRAP SEAL GUARD.
J. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
K. REFER TO DRAWING P-702 FOR PLUMBING EQUIPMENT SCHEDULES.
L. ALL STORM, SANITARY AND WASTE PIPING IS BELOW THIS SLAB UNLESS OTHERWISE NOTED.

KEYNOTES

1. XXXX.



KEY PLAN N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

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SHEET TITLE

PLUMBING ROOF PLAN B

PL-131B

Dzilth-Na-O-Dith-Hle - New School
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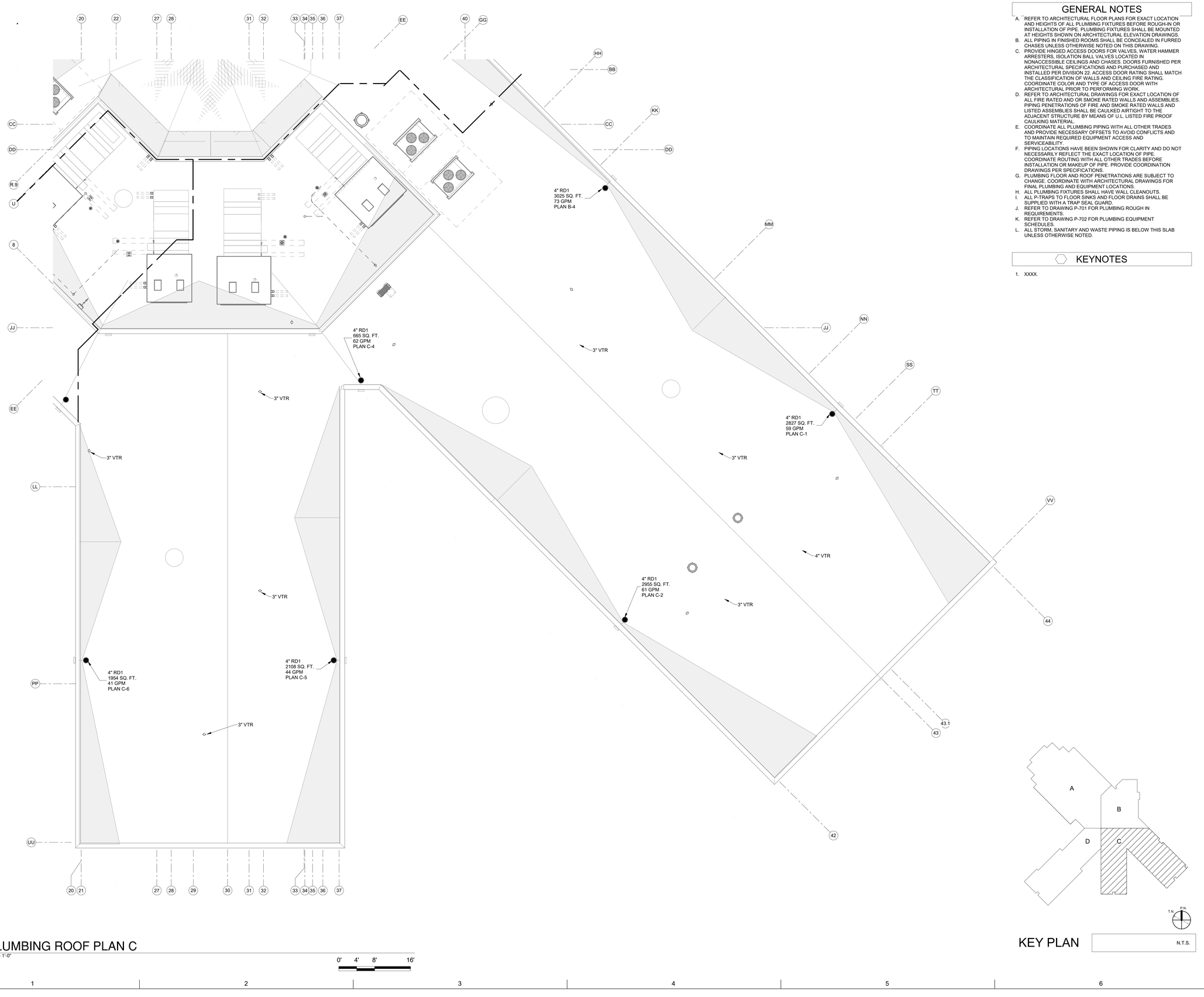

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KEYNOTES

1. XXXX.

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0' 4' 8' 16'

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Dzilth-Na-O-Dith-Hle - New School

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PLUMBING ROOF PLAN C

PL-131C

Bridgers & Paxton Project No: 8226
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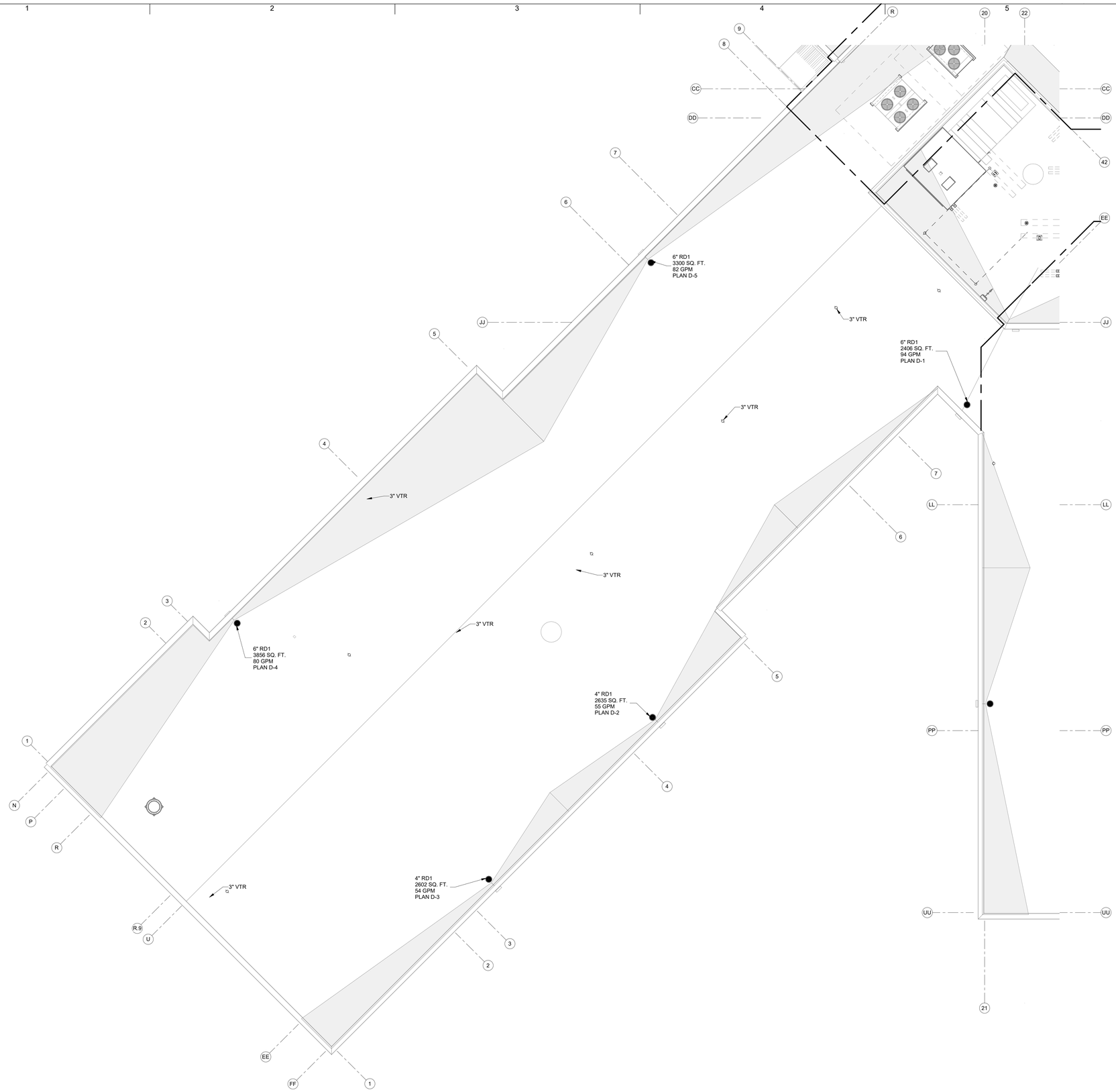

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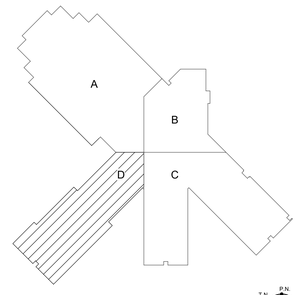

KEY PLAN N.T.S.

A1 PLUMBING ROOF PLAN D
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0' 4' 8' 16'

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Dzilth-Na-O-Dith-Hle - New School

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PLUMBING ROOF PLAN D

PL-131D

Dzilth-Na-O-Dith-Hle - New School
Bridgers & Paxton Project No: 8226
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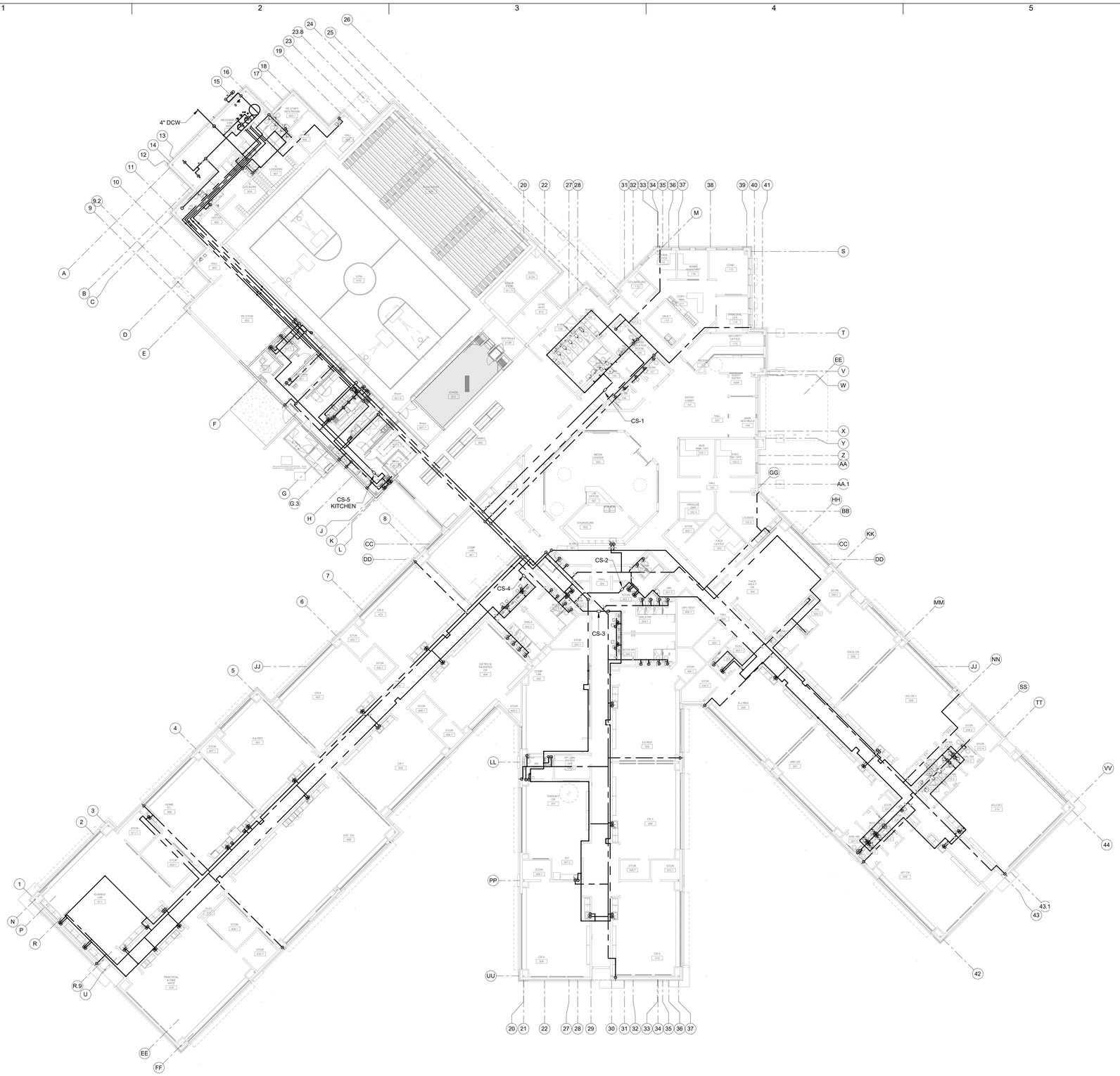
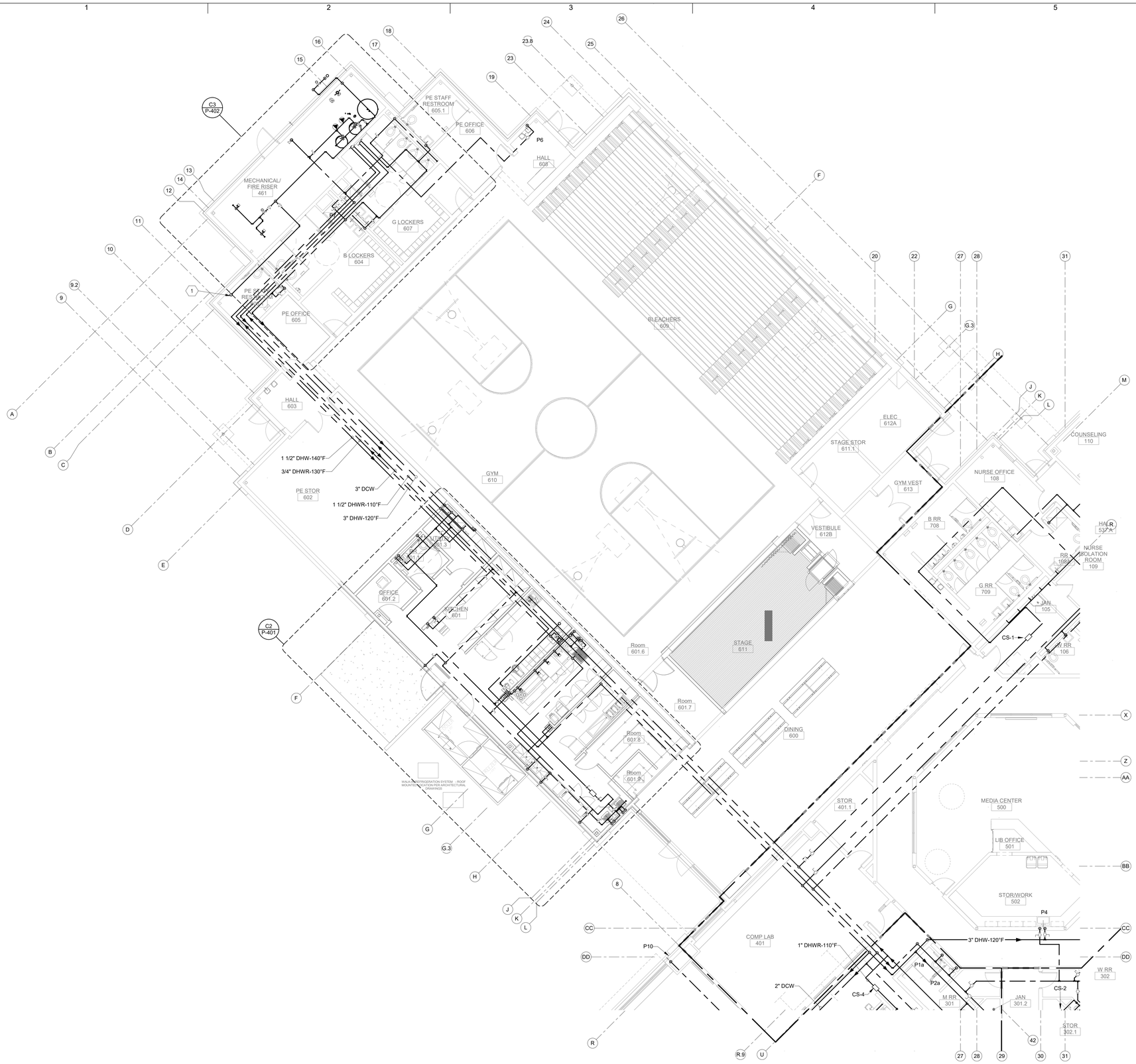
School Information


4" DCW
CS-1
CS-2
CS-3
CS-4
CS-5
KITCHEN
GYM
STAGE
MEDIA CTR
LOUNGE
FACE OFFICE
PRINCIPAL OFF.
CONF.
SECURITY OFF.
ENTRY LOBBY
MAIN VESTIBULE
HALL
OR 1
OR 2
OR 3
OR 4
OR 5
THERAPY OR
SP. SERV. OFFICE
PE STOR.
PE START RESTROOM
VOLUNTEER RESTROOM
GIRLS RR
BOYS RR
GIRLS RR
BOYS RR
GIRLS RR
BOYS RR
HOME EC.
PRACTICAL & FINE ARTS
VIOLENCE LAB
VOC. ED.
ELEC.
ELEC.
ELEC



A1 PRESSURE PIPING FLOOR PLAN A
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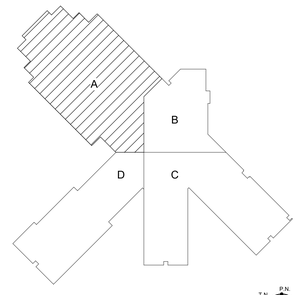
L. THE DOMESTIC HOT WATER SYSTEM AS INSTALLED SHALL NOT HAVE ANY DEAD LEGS IN EXCESS OF 1.5 X THE DIAMETER OF THE PIPE IN QUESTION.

KEYNOTES

1. 2 PSI GAS ROUTED IN 1ST LEVEL CEILING SPACE, THEN UP TO ROOF.
2.



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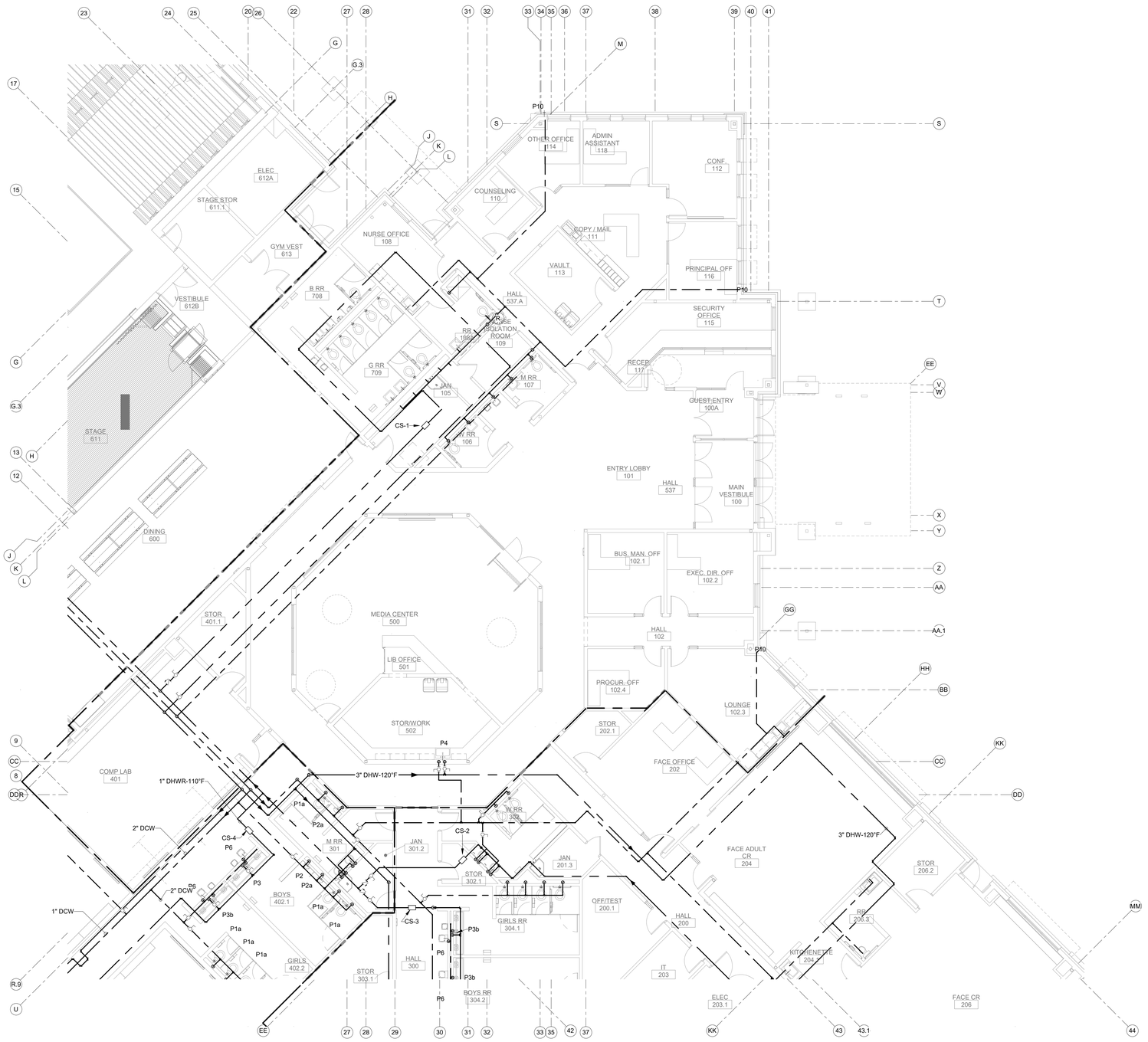
SHEET TITLE
PRESSURE PIPING FLOOR PLAN A

PP-101A



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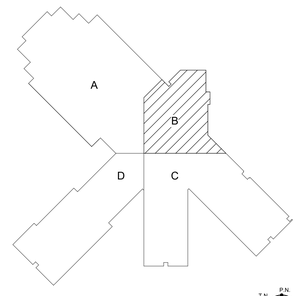

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PRESSURE PIPING FLOOR PLAN B

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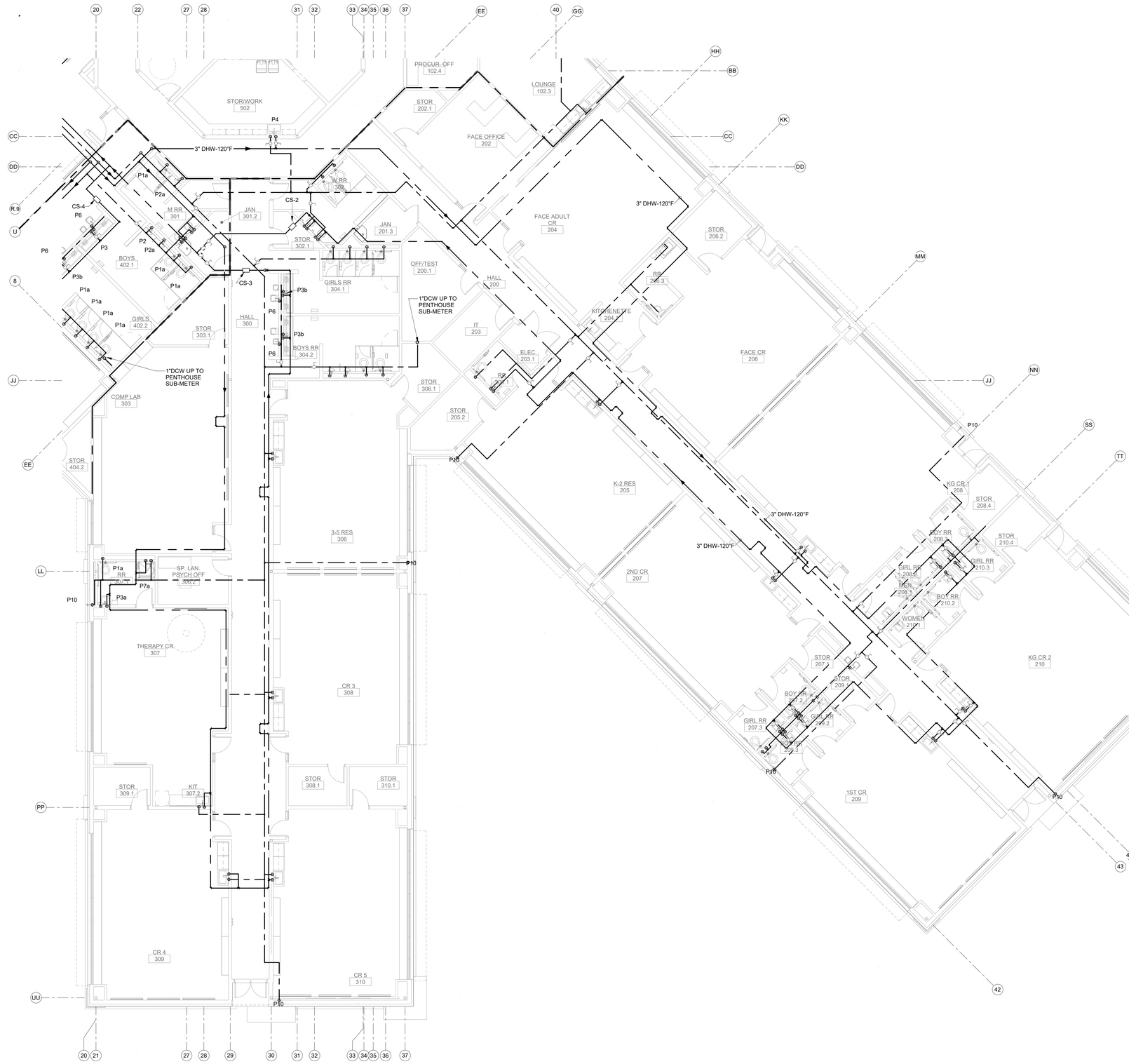

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KEYNOTES

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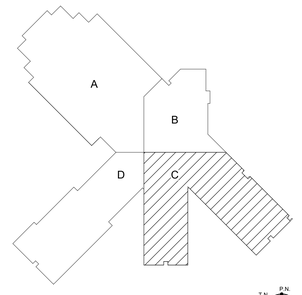

KEY PLAN N.T.S.

A1 PRESSURE PIPING FLOOR PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

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Dzilth-Na-O-Dith-Hle - New School

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35 Road 7585, Bloomfield, NM 87413

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CHECKED BY:	IM

SHEET TITLE

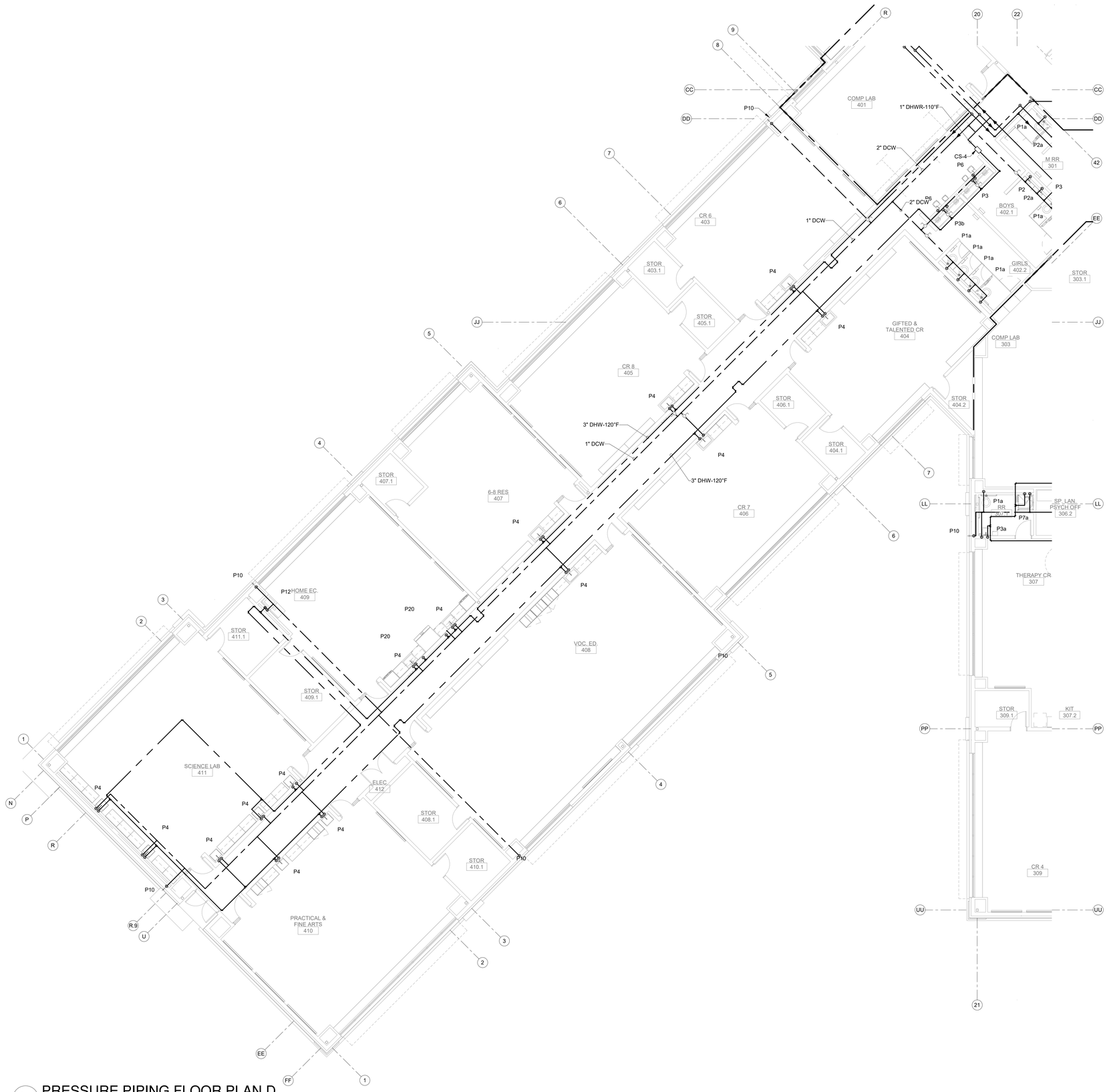
PRESSURE PIPING FLOOR PLAN C

PP-101C

Dzilth-Na-O-Dith-Hle - New School

Bridges & Paxton Project No: 8226 10/1/2020 4:40:10 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_SNBuford.rvt

School Information

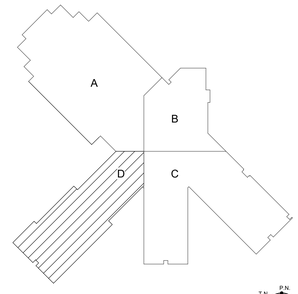


A1 PRESSURE PIPING FLOOR PLAN D

1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN



N.T.S.

GENERAL NOTES

A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN INACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
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G. PLUMBING FLOOR AND ROOF PENETRATIONS ARE SUBJECT TO CHANGE. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL PLUMBING AND EQUIPMENT LOCATIONS.
H. ALL PLUMBING FIXTURES SHALL HAVE WALL CLEANOUTS.
I. ALL P-TRAPS TO FLOOR SINKS AND FLOOR DRAINS SHALL BE SUPPLIED WITH A TRAP SEAL GUARD.
J. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
K. DUE TO THE SMALL SCALE OF THE DRAWINGS IT IS IMPOSSIBLE TO SHOW ALL VALVES AND APPURTENANCES ON THE PLANS. THE PLUMBING CONTRACTOR SHALL PROVIDE A FULL PORT LINE-SIZED ISOLATION VALVE ON EACH DOMESTIC HOT AND COLD WATER LINE TO A PLUMBING FIXTURE WHETHER SHOWN OR NOT.
L. THE DOMESTIC HOT WATER SYSTEM AS INSTALLED SHALL NOT HAVE ANY DEAD LEGS IN EXCESS OF 1.5 X THE DIAMETER OF THE PIPE IN QUESTION.

KEYNOTES

1. XXXX.

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Dzilth-Na-O-Dith-Hle - New School

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SHEET TITLE

PRESSURE PIPING FLOOR PLAN D

PP-101D

School Information

Dzilth-Na-O-Dith-Hle - New School

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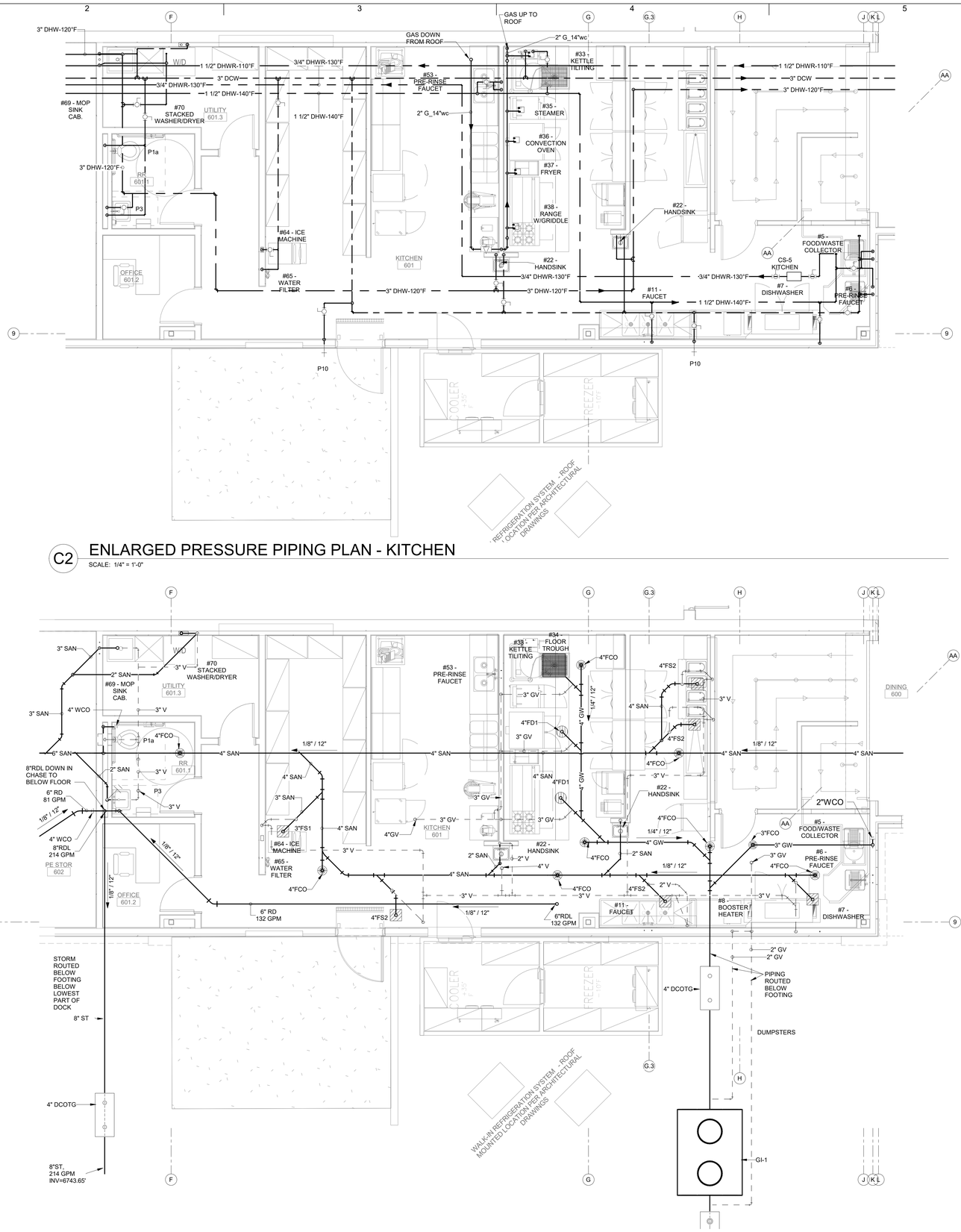
Bridgers & Paxton Project No: 8226



C2 ENLARGED PRESSURE PIPING PLAN - KITCHEN

SCALE: 1/4" = 1'-0"

A2 ENLARGED WASTE & VENT PLAN - KITCHEN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
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G. PLUMBING FLOOR AND ROOF PENETRATIONS ARE SUBJECT TO CHANGE. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL PLUMBING AND EQUIPMENT LOCATIONS.
H. ALL PLUMBING FIXTURES SHALL HAVE WALL CLEANOUTS.
I. ALL P-TRAPS TO FLOOR SINKS AND FLOOR DRAINS SHALL BE SUPPLIED WITH A TRAP SEAL GUARD.
J. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
K. REFER TO DRAWING P-702 FOR PLUMBING EQUIPMENT SCHEDULES.
L. ALL STORM, SANITARY AND WASTE PIPING IS BELOW THIS SLAB UNLESS OTHERWISE NOTED.

KEYNOTES

1. XXXX.

PLUMBING KITCHEN FIXTURE SCHEDULE FOR REFERENCE ONLY

REFER TO FOOD SERVICE DRAWING FS101

SYMBOL	FIXTURE	
	MANUFACTURER	MODEL
#5 - FOOD/WASTE COLLECTOR	---	---
#6 - PRE-RINSE FAUCET	---	---
#7 - DISHWASHER	---	---
#11 - FAUCET	---	---
#22 - HANDSINK	---	---
#33 - KETTLE TILITING	---	---
#34 - FLOOR TROUGH	---	---
#35 - STEAMER	---	---
#36 - CONVECTION OVEN	---	---
#37 - FRYER	---	---
#38 - RANGE W/GRIDDLE	---	---
#53 - PRE-RINSE FAUCET	---	---
#64 - ICE MACHINE	GUY GRAY	MIB1AB
#65 - WATER FILTER	---	---
#69 - MOP SINK CAB.	---	---
#70 STACKED WASHER/DRYER	GUY GRAY	NO. WB200HA
P12	GUY GRAY	NO. WB200HA

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Dzilth-Na-O-Dith-Hle - New School

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SHEET TITLE

ENLARGED PLUMBING PLANS

P-401

School Information

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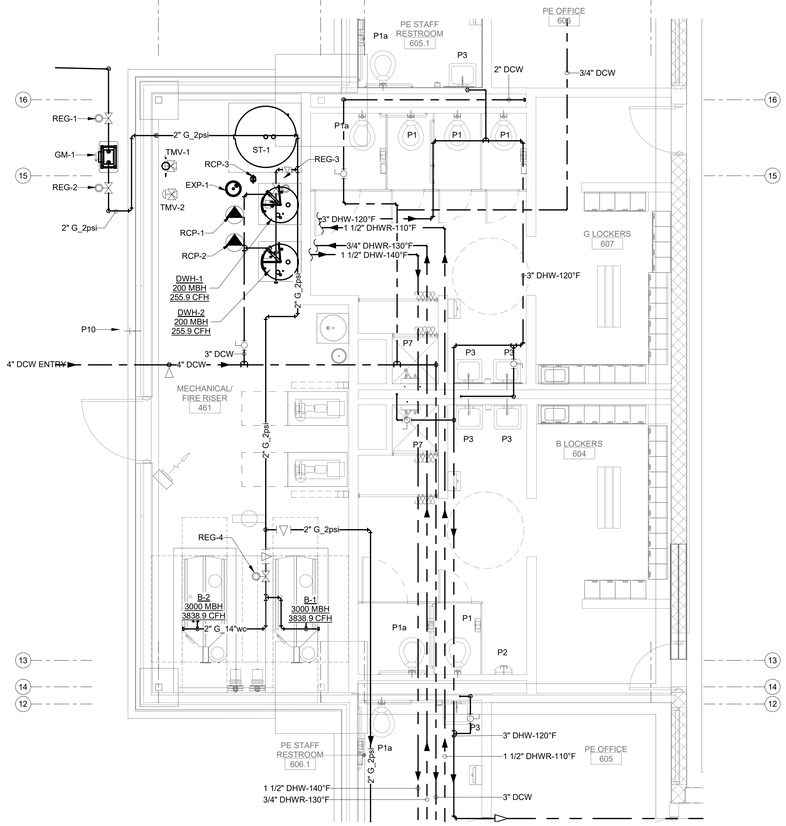
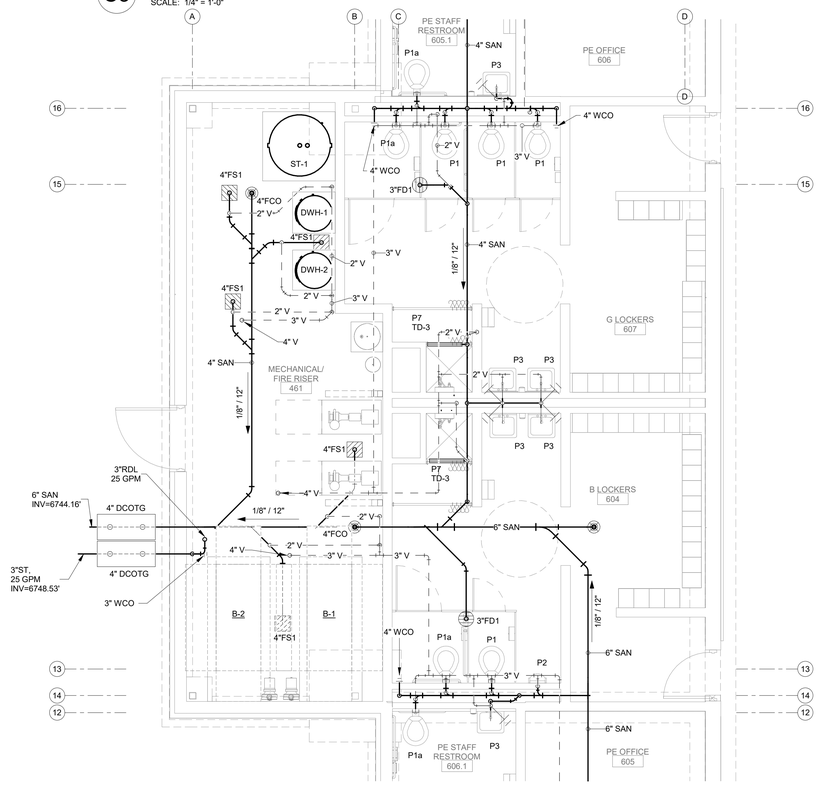


C3 ENLARGED PRESSURE PIPING PLAN - MECH ROOM

SCALE: 1/4" = 1'-0"



A3 ENLARGED WASTE & VENT PLAN - MECH ROOM

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
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J. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
K. REFER TO DRAWING P-702 FOR PLUMBING EQUIPMENT SCHEDULES.
L. ALL STORM, SANITARY AND WASTE PIPING IS BELOW THIS SLAB UNLESS OTHERWISE NOTED.

KEYNOTES

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Dzilth-Na-O-Dith-Hle - New School

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SHEET TITLE

ENLARGED PLUMBING PLANS

P-402

School Information

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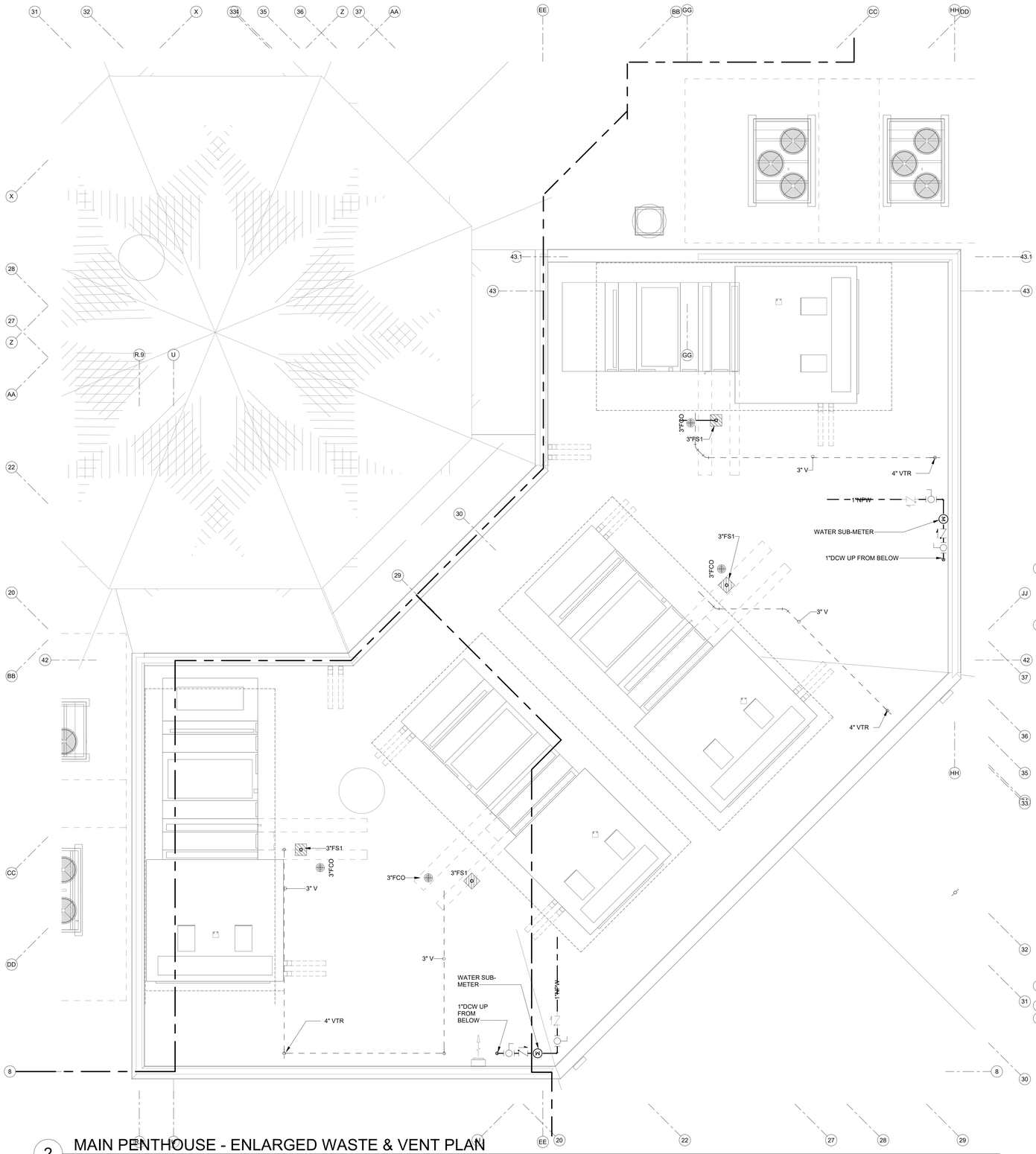
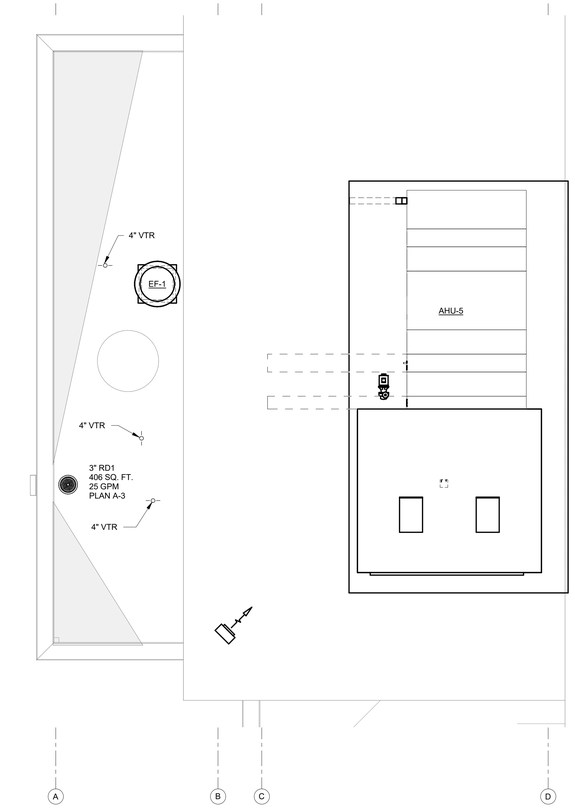


2 MAIN PENTHOUSE - ENLARGED WASTE & VENT PLAN

SCALE: 1/4" = 1'-0"



1 GYM PENTHOUSE - ENLARGED WASTE & VENT PLAN

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SHEET TITLE

ENLARGED PLUMBING PLANS

P-403

Bridgers & Paxton Project No: 8226
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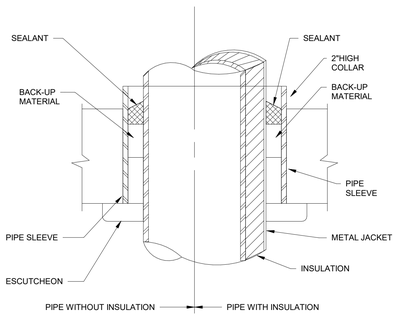

D1 PIPE SLEEVE THRU FLOOR

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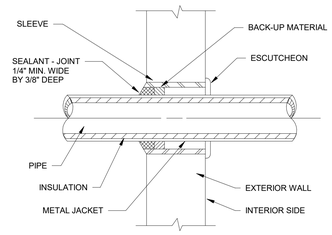
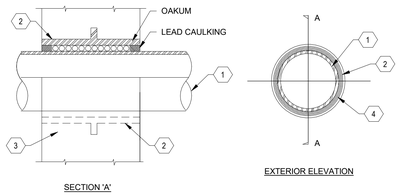


D2 PIPE SLEEVE FOR INSULATED PIPE THRU WALL - ABOVE GRADE

SCALE: NOT TO SCALE

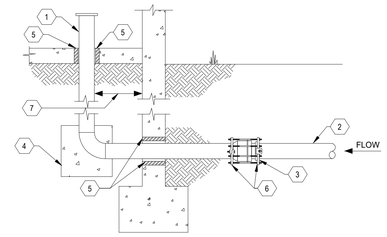


1. FOR PIPE MATERIAL, SEE SPECIFICATIONS.
2. PIPE SLEEVE, SEE SPECIFICATIONS FOR MATERIALS, LENGTH OF SLEEVE AS REQUIRED.
3. SEE STRUCTURAL DRAWINGS FOR CONSTRUCTION OF WALL.

PIPE SIZE	MIN. PIPE SLEEVE (ID)
1/2"	1 1/4"
3/4" - 1"	1 1/2"
1 1/4"	2"
1 1/2"	2 1/2"
2" - 2 1/2"	4"
3" - 4"	6"
6"	10"

D4 EXTERIOR WALL PENETRATION DETAIL

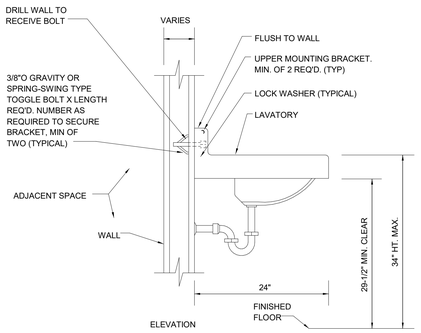
SCALE: NOT TO SCALE



1. AMES IN-BUILDING RISER, STAINLESS STEEL TYPE 304. SEE PLANS FOR SIZE AND SERVICE
2. DUCTILE IRON OR PVC WATER SERVICE.
3. MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL, CONTINUE INTO BUILDING WITH STAINLESS STEEL.
4. CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH IBC IF REQUIRED BY AHJ
5. PIPE SLEEVE, SEE SPECIFICATIONS
6. MEGALUG PIPE RESTRAINT HARNESS
7. VERTICAL SECTION OF RISER LOCATED AS CLOSE AS POSSIBLE TO WALL

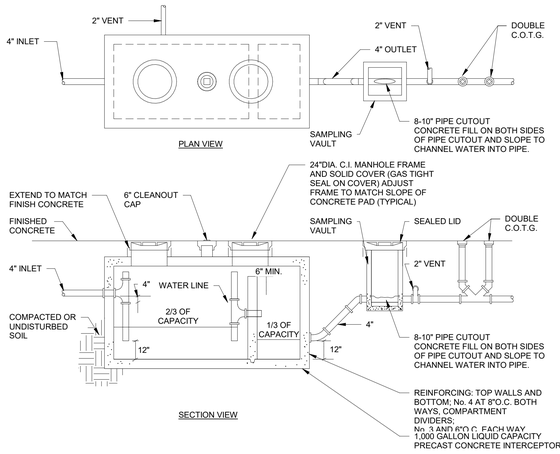
D5 WATER ENTRY THRU FOOTING DETAIL

SCALE: NOT TO SCALE



C1 LAVATORY MOUNTING DETAIL

SCALE: NOT TO SCALE



C2 GREASE INTERCEPTOR DETAIL

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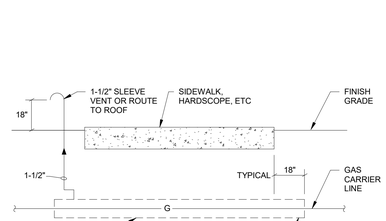

C4 TYPICAL GAS SLEEVE DETAIL

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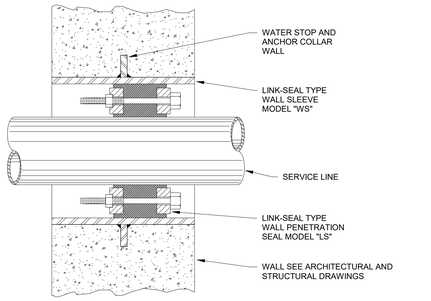
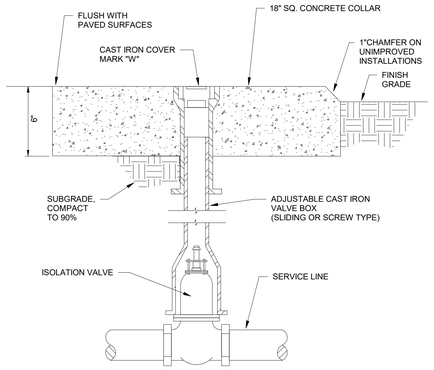


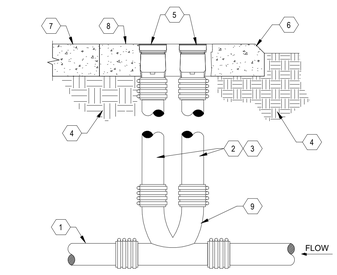
C5 WATERPROOF WALL PENETRATION DETAIL

SCALE: NOT TO SCALE



A1 VALVE BOX DETAIL

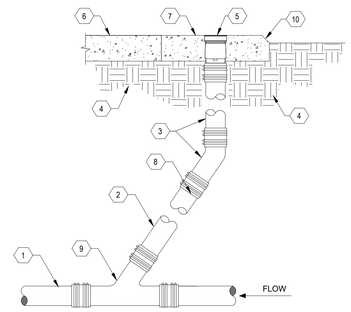
SCALE: NOT TO SCALE



1. SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS
2. SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4"
3. SIZE REQUIRED CAST IRON SOIL PIPE RISER AND FITTINGS
4. COMPACTED EARTH, SEE SPECIFICATIONS
5. CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP
6. 2" CHAMFER ON ALL COLLARS IN EARTH
7. FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATIONS
8. 4"THICK CONCRETE PAD
9. TWO-WAY CLEANOUT FITTING

A2 DOUBLE CLEANOUT TO GRADE DETAIL

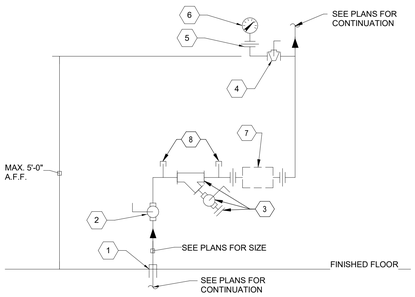
SCALE: NOT TO SCALE



1. SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS.
2. SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED.
3. CAST IRON SOIL PIPE RISER AND FITTINGS.
4. COMPACTED EARTH, SEE SPECIFICATIONS.
5. CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP .
6. FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATION.
7. 18"X18"X4" THICK CONCRETE COLLAR.
8. 1/8TH BEND.
9. WYE FITTING.
10. 2" CHAMFER ON ALL COLLARS IN EARTH.

A4 CLEANOUT TO GRADE DETAIL

SCALE: NOT TO SCALE



1. SLEEVE, MIN. 1" ABOVE FINISHED FLOOR AND SEAL WATER TIGHT
2. LINE SIZE BALL VALVE
3. WYE STRAINER WITH BLOWDOWN VALVE AND HOSE THREAD
4. GAUGE COCK
5. UNION (TYP.)
6. PRESSURE GAUGE
7. SUB-METER AND UNIONS (IF REQUIRED)
8. PT PORT

A5 DOMESTIC WATER ENTRY ASSEMBLY DETAIL

SCALE: NOT TO SCALE

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

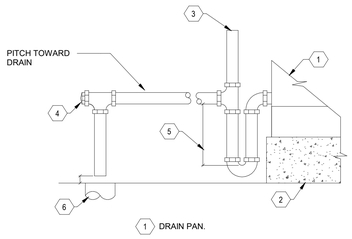
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

PLUMBING DETAILS

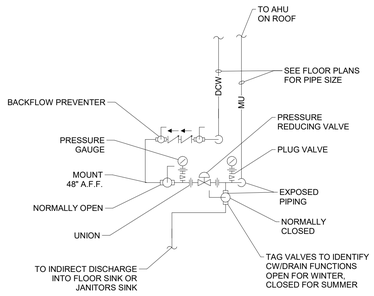
P-501



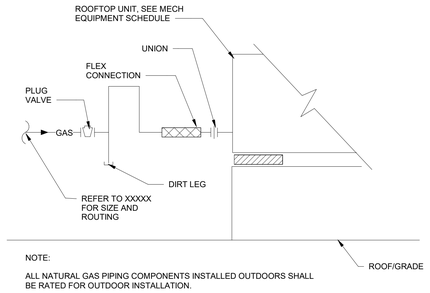
1. DRAIN PAN.
2. CONCRETE HOUSEKEEPING PAD.
3. EXTEND VENT TO TOP OF DRAIN PAN.
4. CLEANOUT PLUG.
5. TRAP SEAL FOR BOTH DEPTH SEE SCHEDULE BELOW.
6. OPEN DRAIN.

CONDENSATE DRAIN TRAP SCHEDULE			
SYMBOL	MIN. DEPTH OF SEAL	DRAIN SIZE	HEIGHT OF CONCRETE PAD

5 COIL DRAIN DETAIL
SCALE: NOT TO SCALE



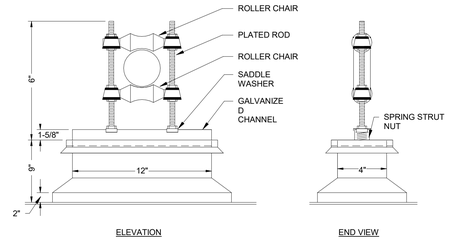
6 MAKEUP AIR UNIT COLD WEATHER DRAIN DOWN DETAIL
SCALE: NOT TO SCALE



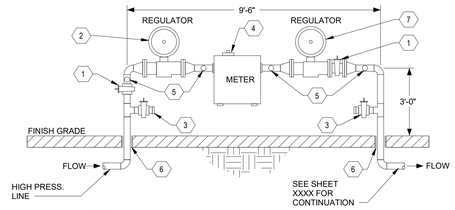
NOTE:

ALL NATURAL GAS PIPING COMPONENTS INSTALLED OUTDOORS SHALL BE RATED FOR OUTDOOR INSTALLATION.

3 GAS ROOFTOP UNIT CONNECTION DETAIL
SCALE: NOT TO SCALE



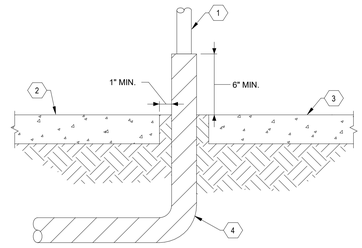
1 ROOF TOP PIPE GUIDE DETAIL
SCALE: NOT TO SCALE



NOTE:
COORDINATE INSTALLATION WITH LOCAL GAS UTILITY OFFICIALS AND CONFORM TO THEIR REQUIREMENTS. ANY VARIATION FOR METERING REQUIREMENTS SHALL BE AT THE GAS COMPANY'S DIRECTION.

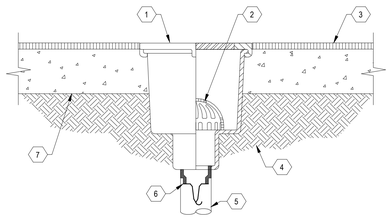
1. PLUG VALVE
2. REGULATOR TO REDUCE IN-COMING HIGH PRESSURE TO XX PSIG
3. TEST TEE
4. METER, SEE PLANS FOR SIZE
5. PETES PLUG
6. SEE HARDSCAPE PENETRATION DETAIL XX ON THIS SHEET
7. REGULATOR TO REDUCE GAS TO XX" W.C.

4 GAS METER REGULATOR - LARGE
SCALE: NOT TO SCALE



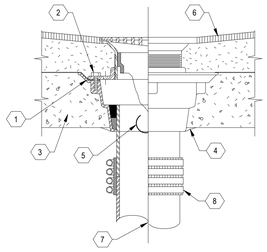
1. NATURAL GAS CARRIER LINE
2. FINISH GRADE
3. CONCRETE SLAB OR PAVING
4. SCOTCHRAP TAPE #51 (20 MIL.)

2 HARDSCAPE PENETRATION DETAIL
SCALE: NOT TO SCALE



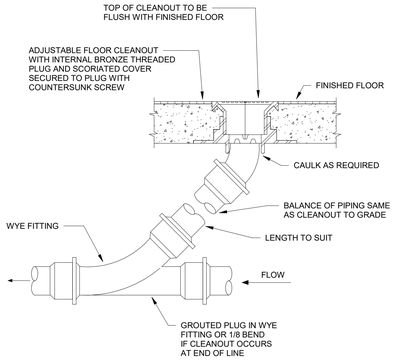
1. FLOOR SINK GRATING, SEE FLOOR SINK SPECIFICATIONS
2. DOME STRAINER
3. FINISHED FLOOR
4. COMPACTED EARTH
5. SEE PLUMBING FLOOR PLANS FOR SIZING AND P-TRAP REQUIREMENTS
6. TRAP GUARD WATER SAVING DEVICE (SPECIFIED)
7. STRUCTURAL SLAB

11 FLOOR SINK DETAIL
SCALE: NOT TO SCALE

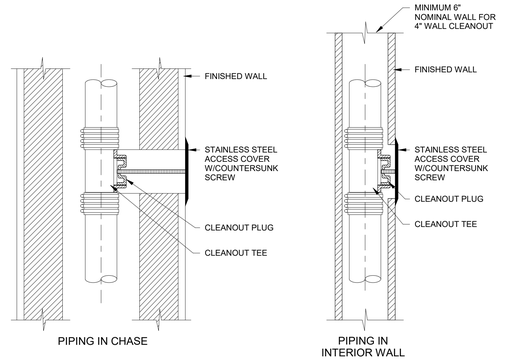


1. FLOOR DRAIN WITH ADJUSTABLE STRAINER, DOUBLE DRAINAGE FLANGE AND WEEP HOLES. SEE FLOOR DRAIN SPECIFICATIONS
2. CLAMP TO 24"x24" 4# LEAD SHEET AND WATERPROOFING MEMBRANE (NOT REQUIRED FOR SINGLE POUR CONSTRUCTION)
3. CONCRETE FLOOR OF TWO POUR CONSTRUCTION
4. CAULK AS REQUIRED ON INSTALLATION ABOVE GRADE
5. TRAP GUARD WATER SAVING DEVICE SIZED PER DRAIN (IF SPECIFIED)
6. FINISHED FLOOR SLOPED IN ACCORDANCE WITH ARCH. DRAWINGS. COORDINATE WITH STRUCTURAL
7. SEE PLUMBING FLOOR PLANS FOR SIZING AND P-TRAP REQUIREMENTS
8. FOUR BAND HEAVY DUTY CLAMP, SEE SPECIFICATIONS

10 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



9 FLOOR CLEANOUT
SCALE: NOT TO SCALE



8 WALL CLEANOUT DETAIL
SCALE: NOT TO SCALE

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Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

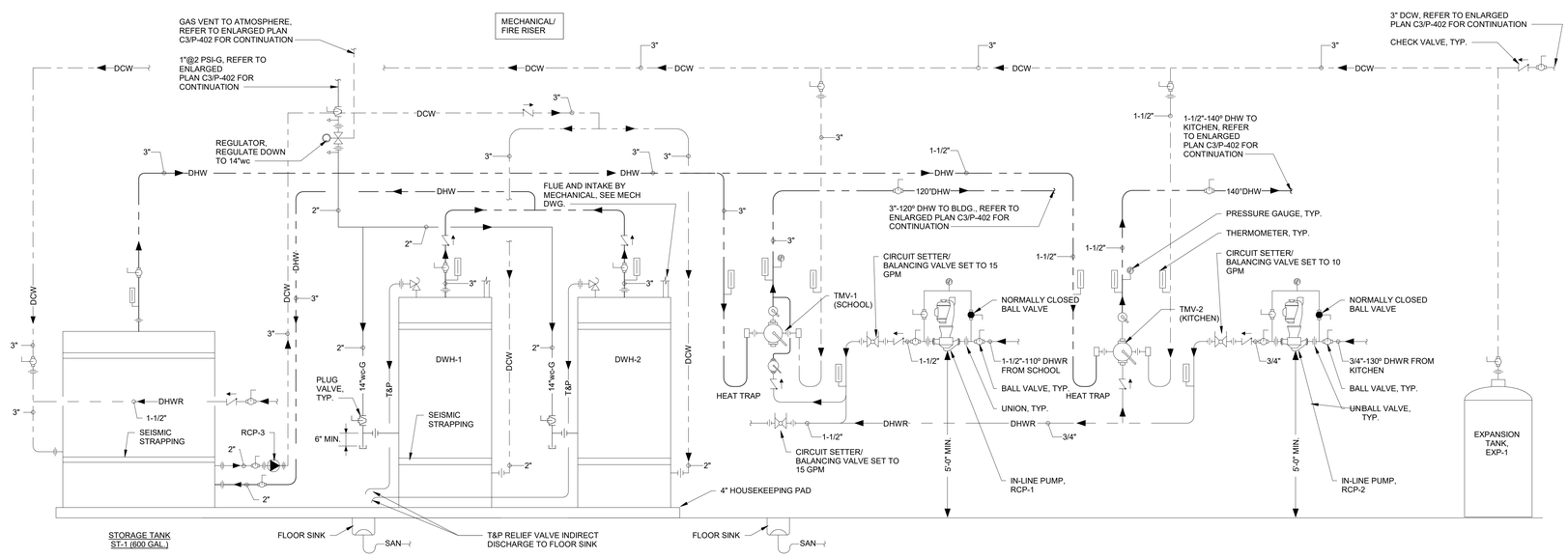
SHEET TITLE

PLUMBING DETAILS

P-502

School Information

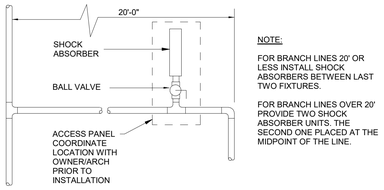
Bridgers & Paxton Project No: 8226 10/1/2020 3:33:20 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_SNBurford.rvt



NOTE: INSTALL THERMOSTATIC MIXING ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION, PROVIDE AND INSTALL SEISMIC STRAPPING IN ACCORDANCE WITH 2015 UPC SECTION 507.2 AND 507.3. INSTALL GAS VENT IN ACCORDANCE TO MANUFACTURERS RECOMMENDATION FOR THE GAS REGULATOR SUPPLIED, PROVIDE POSITIVE LOCK-UP GAS REGULATOR

C2 CLASSROOM 2 DHW WITH STORAGE AND MIXING VALVES DETAIL

SCALE: NOT TO SCALE



SHOCK ABSORBER SCHEDULE						
* PDI CROSS REFERENCE	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"

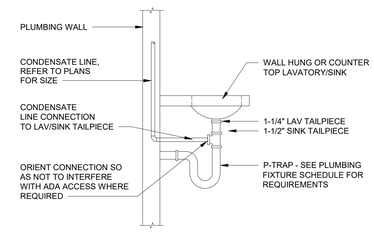
* PDI - PLUMBING AND DRAINAGE INSTITUTE.

A1 SHOCK ABSORBER INSTALLATION

SCALE = NONE

B4 SHOCK ABSORBER INSTALLATION

SCALE: NOT TO SCALE



NOTE: WHERE PERMITTED BY THE AHJ, CONDENSATE "POINT OF DISCHARGE" SHALL BE PERMITTED TO DISCHARGE INTO THE TAIL PIECE OF PLUMBING FIXTURES IN THE EVENT THAT A SUITABLE FIXTURE IS NOT AVAILABLE TO RECEIVE SUCH DISCHARGE.

B5 LAV-SINK CONDENSATE DRAIN CONNECTION

SCALE: NOT TO SCALE

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

PLUMBING DETAILS

P-503

Dzilth-Na-O-Dith-Hle - New School
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Bridgers & Paxton Project No: 8226
School Information

PLUMBING FIXTURE SCHEDULE

REFER TO DIVISION 22 4000 FOR ADDITIONAL INFORMATION

SYMBOL	FIXTURE: TYPE	FIXTURE: MANUFACTURER	FIXTURE: MODEL	TRIM/FAUCET: MANUFACTURER	TRIM/FAUCET: MODEL	TRIM/FAUCET: FLOW RATE	ELECTRICAL: V	ELECTRICAL: PH	ELECTRICAL: HZ	REMARKS:
P1	WATER CLOSET - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	AMERICAN STANDARD	3351.101	SLOAN	ROYAL 111-1.28	1.28 GPF	-	-	-	EXPOSED, CHROME PLATED, LOW FLOW. SEAT: HEAVY DUTY, OPEN FRONT LESS COVER, SOLID PLASTIC, WHITE, MFG: CHURCH 9500SSC OR EQUAL
P1a	WATER CLOSET (BARRIER FREE) - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	AMERICAN STANDARD	3461.001 "MADERA"	SLOAN	ROYAL 111-1.28	1.28 GPF	-	-	-	MANUAL, EXPOSED, CHROME PLATED, LOW FLOW. SEAT: HEAVY DUTY, OPEN FRONT LESS COVER, SOLID PLASTIC, WHITE, MFG: CHURCH 9500SSC OR EQUAL
P1d	WATER CLOSET - FLOOR MTD. - FLUSH TANK	AMERICAN STANDARD	2315.228	-	-	1.28 GPF	-	-	-	CHROME LEVER TRIP, LOW FLOW. SEAT: #5001G.055 BABY DEVORO SEAT OPEN FRONT, LESS COVER
P2	URINAL - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	AMERICAN STANDARD	6590.001 "WASHBROOK"	SLOAN	ROYAL 186-0.125	0.125 GPF	-	-	-	EXPOSED, CHROME PLATED, LOW FLOW, WHITE VITREOUS CHINA, 3/4" TOP SPUD.
P2a	URINAL (BARRIER FREE) - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	AMERICAN STANDARD	6590.001 "WASHBROOK"	SLOAN	ROYAL 186-0.125	0.125 GPF				EXPOSED, CHROME PLATED, LOW FLOW, WHITE VITREOUS CHINA, 3/4" TOP SPUD.
P3	LAVATORY - WALL MOUNT - MANUAL	AMERICAN STANDARD	0355.012	CHICAGO FAUCETS	802-317CP	0.35 GPM				DECK MOUNT, CHROME, LEVER HANDLES, VANDAL PROOF, 4" CENTERS. PROVIDE ANGLE STOPS, FLEXIBLE RISERS, ADJUSTABLE P-TRAP. MIXING VALVE: WATTS MODEL LFUSG-B UNDER SINK.
P3a	LAVATORY (BARRIER FREE) - WALL MOUNT - MANUAL	AMERICAN STANDARD	0355.012	CHICAGO FAUCETS	802-317CP	0.35 GPM	-	-	-	DECK MOUNT, CHROME, LEVER HANDLES, VANDAL PROOF, 4" CENTERS. PROVIDE ANGLE STOPS, FLEXIBLE RISERS, ADJUSTABLE P-TRAP. MIXING VALVE: WATTS MODEL LFUSG-B UNDER SINK.
P3b	LAVATORY (BARRIER FREE) -WASH STATION - MANUAL	BRADLEY	LVLD3-4"SET-NONE	-	-	0.35 GPM				DECK MOUNT, CHROME, LEVER HANDLES, VANDAL PROOF, 4" CENTERS. PROVIDE ANGLE STOPS, FLEXIBLE RISERS, ADJUSTABLE P-TRAP. MIXING VALVE: WATTS MODEL LFUSG-B UNDER SINK.
P4	SINK	ELKAY	LRAD191865	CHICAGO FAUCETS	895-317GN2AE72ABCP	0.5 GPM				DOUBLE COMPARTMENT, 22" X 19-1/2" X 6"DEEP, 3-HOLE, 18 GA. TYPE 304 STAINLESS STEEL. FAUCET: 8"CENTERS, CONVERTIBLE RIGID/SWING SPOUT, POLISHED CHROME, LAMINAR FLOW CONTROL, ANTIMICROBIAL METAL WRIST BLADE HANDLES. AREATOR: ELKAY E72JKABCP.
P5	SERVICE SINK	MUSTEE	No: 63M	CHICAGO FAUCETS	897-CCP	8 GPH	-	-	-	ONE PIECE MOLDED HIGH IMPACT FIBERGLASS, INTEGRAL MOLDED DRAIN, WHITE FINISH, 24" X 24" X 10"D.
P6	DRINKING FOUNTAIN W/BOTTLE FILLER (BARRIER FREE)	HALSEY TAYLOR	HTHB-HRFSEBP-I	-	-	1.5 GPM	115	1	60	WALL HUNG, ADA COMPLIANT, HYDRO-BOOST BOTTLE FILLING STATION WITH TWO FACE MOUNTED FOUNTAINS, ONE PIECE, STAINLESS STEEL, BRUSHED SATIN FINISHED, SENSOR ACTIVATED BOTTLE FILLING STATION, AUTOMATIC 20 SECOND SHUT OFF TIMER, INTERFACE GRAPHICS.
P7	SHOWER	BUILT-UP ENCLOSURE PER ARCHITECT'S SPECIFICATIONS, SHOWER TRIM AS SPECIFIED	-	DELTA	8375EP15	1.5 GPM	-	-	-	NON-ADA
P7a	SHOWER (BARRIER FREE)	BUILT-UP ENCLOSURE PER ARCHITECT'S SPECIFICATIONS, SHOWER TRIM AS SPECIFIED	-	DELTA	8342EP15	1.5 GPM	-	-	-	ADA WITH GRAB BARS
P8	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS	-	-	-	-	-	-	-	0 TO 200 PSIG MAX. OPERATING PRESSURE, 1-11 FIXTURE UNITS
P10	WALL HYDRANT	ZURN	Z1320-EZ	-	-	-				FREEZE-PROOF, INTEGRAL VACUUM BREAKER, WITH LOOSE-KEY, LOCKABLE DOOR, 3/4" INLET AND 3/4" GARDEN HOSE OUTLET, CHROME PLATED FINISH
P12	WASHER ROUGH-IN BOX	GUY GRAY	NO. WB200HA	-	-	-				RECESSED, 1/2" COMBINATION NPT BRASS SWEAT SUPPLIES WITH HAMMER ARRESTER AND SINGLE LEVER CONTROL
P20	DISH WASHER HOT ONLY	---	---	---	---	---				OWNER FURNISHED CONTRACTOR INSTALLED

PLUMBING ROUGH-IN SCHEDULE

REFER TO DIVISION 22 4000 FOR ADDITIONAL INFORMATION

SYMBOL	FIXTURE	ROUGH-IN SIZE: CW	ROUGH-IN SIZE: HW	ROUGH-IN SIZE: WASTE	VENT	TRAP	REMARKS:
P1	WATER CLOSET - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	1"	-	4"	2"	INTEGRAL	ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P1a	WATER CLOSET (BARRIER FREE) - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	1"	-	4"	2"	INTEGRAL	ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P1d	WATER CLOSET - FLOOR MTD. - FLUSH TANK	1/2"	-	4"	2"	INTEGRAL	ROUND FRONT BOWL, VITREOUS CHINA, FLUSH TANK. FLOOR TO RIM HEIGHT: 10-1/4"
P2	URINAL - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	3/4"	-	2"	2"	INTEGRAL	NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P2a	URINAL (BARRIER FREE) - WALL MTD. - FLUSH VALVE MANUAL - WATERSENSE	3/4"	-	2"	2"	INTEGRAL	NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P3	LAVATORY - WALL MOUNT - MANUAL	1/2"	1/2"	2"	2"	1-1/4" X 1-1/2"	SUPPLIES: 1/2" SWEAT WHEEL HANDLE ANGLE STOPS WITH 3/8" O.D. FLEXIBLE RISERS, CHROME PLATED FINISH. TRAP: 1-1/4" IN X 1-1/2" OUT, 17 GA, CHROME PLATED, ADJUSTABLE, CLEANOUT PLUG, SEMI-CAST P-TRAP. MFG: MCGUIRE NO. 8902. MTD HEIGHT: SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. NOTE: INSULATE SUPPLY AND WASTE PIPING PER SPECIFICATIONS & FIXTURE CARRIER REQUIREMENTS. COORDINATE COLOR REQUIREMENTS WITH ARCHITECT.
P3a	LAVATORY (BARRIER FREE) - WALL MOUNT - MANUAL	1/2"	1/2"	2"	2"	1-1/4" X 1-1/2"	THREE HOLE, WHITE VITREOUS CHINA, 21-1/4" X 18-1/8", 4" CENTERS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
P3b	LAVATORY (BARRIER FREE) -WASH STATION - MANUAL	1/2"	1/2"	2"	1-1/2"	1-1/4" X 1-1/2"	COUNTER TOP, THREE HOLE, VITREOUS CHINA, SQUARE, 21-1/4" x 17-3/4" x 6-1/2"DEEP
P4	SINK	1/2"	1/2"	2"	2"	1-1/4" X 1-1/2"	SUPPLIES: 1/2" X 3/8"WHEEL HANDLE ANGLE STOPS WITH 3/8"O.D. FLEX RISERS DRAIN: BASKET STRAINER, ELKAY NO. LK-35 TRAP: 1-1/2" 17 GA. POLISHED CHROME TUBULAR P-TRAP INSULATE P-TRAP AND SUPPLIES WITH RIGID INSULATION, PROVIDE CONTINOUS WASTE FITTING. MIXING VALVE: WATTS MODEL LFUSG-B UNDER SINK.
P5	SERVICE SINK	1/2"	1/2"	3"	2"	3"	DRAIN: INTEGRAL WITH STAINLESS STEEL STRAINER. TRAP: 3" CAST IRON "P" TRAP. ACCESSORIES: HOSE AND HOSE BRACKET 65.700, STAINLESS STEEL, 24" X 3" MOP HANGER NO. 65.60, VINYL BUMPER GUARD 63.401, WALL GUARDS 67.2424
P6	DRINKING FOUNTAIN W/BOTTLE FILLER (BARRIER FREE)	1/2"	-	2"	2"	1-1/4" X 1-1/2"	PROVIDE OPTIONAL ACCESS PANEL. SUPPLIES: 1/2" X 3/8" WHEEL ANGLE STOPS WITH 3/8" O.D. FLEX RISERS. TRAP: 1-1/4" 17 GA. POLISHED CHROME TUBULAR P-TRAP. CARRIER: CONCEALED BY ZURN, WADE, JOSAM, OR SMITH. MTD HEIGHT: SEE ARCHITECTURAL DRAWINGS.
P7	SHOWER	1/2"	1/2"	2"	2"	2"	PROVIDE: PAN LINER SHALL BE FURNISHED BY PLUMBING CONTRACTOR. 2" SHOWER DRAIN (SEE DRAIN SCHEDULE), 2" CAST IRON P-TRAP.
P7a	SHOWER (BARRIER FREE)	1/2"	1/2"	2"	2"	2"	PROVIDE: PAN LINER SHALL BE FURNISHED BY PLUMBING CONTRACTOR. 2" SHOWER DRAIN (SEE DRAIN SCHEDULE), 2" CAST IRON P-TRAP.
P8	WATER HAMMER ARRESTOR	1/2"	-	-	-	-	IN-LINE, PISTON TYPE, TYPE "L" COPPER BARREL WITH CAP ATTACHED WITH 95-5 SOLDER, LOW LEAD BRASS, EPDM "O" RINGS
P10	WALL HYDRANT	3/4"	-	-	-	-	FREEZE-PROOF, VERIFY WALL THICKNESS BEFORE ORDERING.
P12	WASHER ROUGH-IN BOX	1/2"	1/2"	2"	2"	2"	9-1/2"x11-1/2" OUTSIDE AREA, FABRICATED WITH 20 GAUGE GALVANIZED METAL, 2" DRAIN PIPE CONNECTION.
P20	DISH WASHER HOT ONLY	-	3/4"	-	-	---	OWNER FURNISHED CONTRACTOR INSTALLED

FLOOR/ROOF DRAIN SCHEDULE

REFER TO DIVISION 22 4000 FOR ADDITIONAL INFORMATION

SYMBOL	MANUFACTURER	MODEL	VENT	REMARKS:
FD1	ZURN	Z-415-B-VP-Z1000.	2"	7" DIAMETER, ROUND TYPE "B" STRAINER. POLISHED BRONZE, CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTABLE MEMBRANE CLAMP, DEEP SEAL P-TRAP, VANDAL-PROOF SECURED TOP. DIAMETER OF OUTLET AS SHOWN ON DRAWINGS. PROVIDE WITH SURE SEAL IN-LINE TRAP SEAL. SIZE AND TYPE TO FIT DRAIN.
FS1	ZURN	Z-1900	2"	CAST IRON BODY WITH WHITE ACID RESISTING ENAMEL BODY INTERIOR, SLOTTED 3/4 LOOSE SET GRATE , ALUMINUM ANTI-SPASH DOME STRAINER, (DEEP SEAL P-TRAP MFG: ZURN Z1000). DIAMETER OF OUTLET AS SHOWN ON DRAWINGS. PROVIDE WITH SURE SEAL IN-LINE TRAP SEAL. SIZE AND TYPE TO FIT DRAIN.
FS2	ZURN	Z-1900	2"	CAST IRON BODY WITH WHITE ACID RESISTING ENAMEL BODY INTERIOR, SLOTTED 3/4 LOOSE SET GRATE , ALUMINUM ANTI-SPASH DOME STRAINER, (DEEP SEAL P-TRAP MFG: ZURN Z1000). DIAMETER OF OUTLET AS SHOWN ON DRAWINGS. PROVIDE WITH SURE SEAL IN-LINE TRAP SEAL. SIZE AND TYPE TO FIT DRAIN.
TD-3	ACO DRAIN USA	143150	2"	LINEAR SHOWER CHANNEL AND GRATE SYSTEM, STAINLESS STEEL GRADE 304. GRATE SHALL BE SQUARE DESIGN. SHOWER CHANNELS SHALL BE 2.75" WIDE AND 27.0" LENGTH. OUTLET SPIGOT DIAMETER 2.0". WATERPROOFNG AND PLUMBING CONNECTION THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
RD1	ZURN	Z100	-	NO-HUB OUTLETS, SIZE AS INDICATED ON PLANS
ORD1	ZURN	Z100	-	NO-HUB OUTLETS, SIZE AS INDICATED ON PLANS
DSN1	JAY R. SMITH	1771		WALL MOUNT, CAST BRONZE AND FLANGE, MACHINED NOZZLE, NICKEL BRONZE, SET SCREW. SIZE AS INDICATED ON PLANS.
KTD	---	---	2"	CAST IRON BODY WITH WHITE ACID RESISTING ENAMEL BODY INTERIOR, SLOTTED 3/4 LOOSE SET GRATE , ALUMINUM ANTI-SPASH DOME STRAINER, (DEEP SEAL P-TRAP MFG: ZURN Z1000). DIAMETER OF OUTLET AS SHOWN ON DRAWINGS. PROVIDE WITH SURE SEAL IN-LINE TRAP SEAL. SIZE AND TYPE TO FIT DRAIN.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	SNB/AJM
CHECKED BY:	IM

SHEET TITLE

PLUMBING SCHEDULES

P-701

School Information

WATER HEATER SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	TYPE	SET POINT (DEGREES)	FUEL	EFFICIENCY	STORAGE VOLUME (GAL.)	INPUT (BTUH)	ELEVATION	OPERATION WEIGHT	ELECTRICAL				HOT WATER RECOVERY		REMARKS:
													V	PH	HZ	FLA	RATE (GPH)	Δ T ºF	
DWH-1	LOCHINVAR	SNR201-100	MECHANICAL/ FIRE RISER 461	DOMESTIC WATER	TANK	160°F	NATURAL GAS	96%	90	199,999	5,463	1480	120	1	60	15	233	100	NEUTRALIZATION KIT
DWH-2	LOCHINVAR	SNR201-100	MECHANICAL/ FIRE RISER 461	DOMESTIC WATER	TANK	160°F	NATURAL GAS	96%	90	199,999	5,463	1480	120	1	60	15	233	100	NEUTRALIZATION KIT

HOT WATER GPH COUNT ASHRAE 2015 HVAC Applications - 50.20 - Table 10

DEMAND = SCHOOL

FIXTURE	# OF FIXTURES	GPH	TOTAL (# OF FIXTURES X GPH)
CLOTHES WASHER	2	40	80
DISH WASHER	2	60	120
LAVATORY	34	15	510
SERVICE SINK	4	20	80
SHOWER (# X GPM X MINS)	3	0	0
SINK	32	10	320
TOTAL GPH:			1110

2ND HOT WATER GPH COUNT ASHRAE 2015 HVAC Applications - 50.20 - Table 10

DEMAND = SCHOOL (KITCHEN)

FIXTURE	# OF FIXTURES	GPH	TOTAL (# OF FIXTURES X GPH)
DISH WASHER	1	60	60
SINK FAUCET ONLY	5	15	75
TOTAL GPH:			135

NATURAL GAS - WATER HEATER SIZING - ASHRAE 2015 HVAC Applications - Chapter 50.20 - SCHOOL

School Probable Max Demand (PMD) x TOTAL GPH = Sch. Recovery Rate (GPH)			NOTE: showers calculated separate (Amount x GPM Per Shower Head x Minutes) = Shower Demand GPH				School Recovery Rate + SHW (GPH)	EMERGENCY SHOWER DEMAND (GALS) 20 gpm x 15 mins = 300 gph x 50% ratio	*Sch. Recovery Rate (GPH) + Shower Demand (GPH) = TOTAL RECOVERY RATE (GPH)*	Storage Factor X TOTAL RECOVERY RATE		TOTAL RECOVERY RATE (GPH) x Δ T x (H2O/Eff) = btuh Recovery Rate (no elevation)				EQUIPMENT DERATED OVER 4000 FT.			***Recovery Rate (BTUH) + ELEVATION (BTUH) = TOTAL BTUH REQUIRED***
School DEMAND	TOTAL GPH	*Sch. Recovery Rate (GPH)*	AMOUNT OF SHOWERS	GPM PER SHOWER HEAD	MINUTES	SHOWER DEMAND (GPH)				School STORAGE FACTOR	*STORAGE (GALS.)*	*Δ T Rise (ºF)*	H2O Weight (lb.)	Water Heater Efficiency	Recovery Rate (BTUH)	*ELEV (FT.)*	DERATION (Elev/1000) x 0.04%	ELEVATION (BTUH)	
0.40	1245	498	3	1.5	10	45	543	0	543	1	543	90	8.33	0.95	428,513	5,312	0.212	91,050	519,563

PLUMBING PUMP SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	TYPE	CAPACITY		PUMP (RPM)	MOTOR (HP)	ELECTRICAL				REMARKS:
					GPM	TOTAL FT. HD.			V	PH	HZ	FLA	
RCP-1	BELL & GOSSETT	ecocirc XL N 55-45	MECHANICAL/ FIRE RISER 461	IN-LINE	15	22	3718	1/2	208	1	60	2	HORIZONTAL IN-LINE, STAINLESS STEEL BODY, LUBRICATED, STAINLESS STEEL IMPELLER, AISI 420 STAINLESS STEEL SHAFT, CARBON SLEEVE BEARING, 175 PSIG WORKING PRESSURE, BUILT-IN VFD.
RCP-2	BELL & GOSSETT	ecocirc XL N 55-45	MECHANICAL/ FIRE RISER 461	IN-LINE	10	7	3718	1/2	208	1	60	2	HORIZONTAL IN-LINE, STAINLESS STEEL BODY, LUBRICATED, STAINLESS STEEL IMPELLER, AISI 420 STAINLESS STEEL SHAFT, CARBON SLEEVE BEARING, 175 PSIG WORKING PRESSURE, BUILT-IN VFD.
RCP-3	BELL & GOSSETT	-	MECHANICAL/ FIRE RISER 461	IN-LINE	5	2	3718	1/2	208	1	60	2	HORIZONTAL IN-LINE, STAINLESS STEEL BODY, LUBRICATED, STAINLESS STEEL IMPELLER, AISI 420 STAINLESS STEEL SHAFT, CARBON SLEEVE BEARING, 175 PSIG WORKING PRESSURE, BUILT-IN VFD.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	OUTLET TEMPERATURE	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	ELECTRICAL				SYSTEM FLOW & PRESSURE DROP	REMARKS:
									V	PH	HZ	FLA		
TMV-1	LEONARD	NV-200-LF-IF	MECHANICAL/ FIRE RISER 461	SCHOOL DHW	120°F	3"	3"	1-1/2"	120	1	60	2	35 GPM @ 6 PSI	LEAD FREE, UL LISTED 120V PLUG IN POWER SUPPLY 6 FOOT CORD.
TMV-2	LEONARD	PNV-125-LF-IF	MECHANICAL/ FIRE RISER 461	KITCHEN DHW	140°F	1-1/2"	1-1/2"	3/4"	120	1	60	2	17 GPM @ 2 PSI	LEAD FREE, UL LISTED 120V PLUG IN POWER SUPPLY 6 FOOT CORD.

PLUMBING MISC. EQUIPMENT SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	PIPE SIZE	PSI	REMARKS:
GM-1			SITE				
REG-1			SITE				
REG-2			SITE				
REG-3			MECH/FIRE 461				
REG-4			MECH/FIRE 461				
REG-6			KITCHEN ROOF				
REG-7			KITCHEN ROOF				

EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	SERVICE	DESIGN DEG ºF	TANK VOLUME (GAL.)	TANK ACCEPTANCE (GAL.)	PSIG	WEIGHT (LBS.)	REMARKS:
EXP-1	AMTROL	ST-20V	DOMESTIC WATER	160	8	0.40	150	41	FLOOR MOUNTED, 12" DIAMETER X 19" H, 3/4" CONNECTION, COORDINATE LOCATION WITH WATER HEATER AND STORAGE TANK.

WATER HEATER STORAGE TANK SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	SERVICE	PSI	TANK VOLUME (GAL.)	TANK DIMENSIONS	REMARKS:
ST-1	A.O. SMITH	TV-600A (VERTICAL)	DOMESTIC HOT WATER	125	600	48" DIAMETER X 88" HIGH	UNINSULATED BARE STORAGE TANK, CATHODIC PROTECTION, 5 YEAR TANK WARRANTY.

DOMESTIC HW BALANCING VALVES SCHEDULE

SYMBOL	MANUFACTURER	MODEL	BLDG	FLOOR	AREA SERVED	ASSOCIATED TMV	DESIGN FLOW (GPM)	CIRCUIT SOLVER CV			BALANCE VALVE SIZE (in)	PIPE AND OTHER COMPONENTS (in)	SET POINT TEMP (ºF)
								OPEN	CLOSED	SIZE (in)			
CS-1	THERM-OMEGA-TECH	CSUA-3/4-110-CV1	CLASSROOM	1ST	B ENTRY	TMV-1							
CS-2	THERM-OMEGA-TECH	CSUA-1-110-CV1	CLASSROOM	1ST	C EAST	TMV-1							
CS-3	THERM-OMEGA-TECH	CSUA-1-110-CV1	CLASSROOM	1ST	C SOUTH	TMV-1							
CS-4	THERM-OMEGA-TECH	CSUA-1-110-CV1	CLASSROOM	1ST	D	TMV-1							
CS-5 KITCHEN	THERM-OMEGA-TECH	CSUA-3/4-130-CV1	CLASSROOM	1ST	KITCHEN	TMV-2							

SCHOOL DHW PIPE SIZE @ 4FPS

TOTAL DHWFU	*GPM*	*PIPE SIZE (INCH)*
78.92	38	2

KITCHEN DHW PIPE SIZE @ 4FPS

TOTAL DHWFU	*GPM*	*PIPE SIZE (INCH)*
7.15	12.8	1

SANITARY EXIT SOUTH - (UPC) PIPE SIZE

TOTAL DFU	*PIPE SIZE @ 1/8" SLOPE (INCH)*
181	6

SANITARY EXIT NORTH - (UPC) PIPE SIZE

TOTAL DFU	*PIPE SIZE @ 1/8" SLOPE (INCH)*
328	6

ROOF DRAIN CALCULATION

SYMBOL	Instance Name	AREA SERVED	***Rain Fall Rate Per Hr (INCHES)***	***SLOPE***	***Roof Sq. Ft.***	*Parapet Or Vertical Wall Sq. Ft. divided by 2*	UPPER ROOF Sq. Ft.	**TOTAL ROOF Sq. Ft.**	**GPM**	**LEADER OUTLET SIZE (INCHES)**
RD1	PLAN A-1	AREA A	2	1/8" / 12"	1367	0	5000	6367	132	6
RD1	PLAN A-2	AREA A	2	1/8" / 12"	1115	300	2500	3915	81	6
RD1	PLAN A-3	AREA A	2	1/8" / 12"	406	0	800	1206	25	3
RD1	PLAN B-1	AREA B	2	1/8" / 12"	2750	500	5563	8813	183	6
ORD1	PLAN B-1	AREA B	2	1/8" / 12"	2750	500	5563	8813	183	6
RD1	PLAN B-2	AREA B	2	1/8" / 12"	1614	500	0	2114	44	4
ORD1	PLAN B-2	AREA B	2	1/8" / 12"	1614	500	0	2114	44	4
RD1	PLAN B-3	AREA B	2	1/8" / 12"	1900	500	400	2800	58	4
ORD1	PLAN B-3	AREA B	2	1/8" / 12"	1900	500	400	2800	58	4
RD1	PLAN B-4	AREA B	2	1/8" / 12"	3025	500	0	3525	73	4
RD1	PLAN C-1	AREA C	2	1/8" / 12"	2827	0	0	2827	59	4
RD1	PLAN C-2	AREA C	2	1/8" / 12"	2955	0	0	2955	61	4
RD1	PLAN C-4	AREA C	2	1/8" / 12"	665	500	1800	2965	62	4
RD1	PLAN C-5	AREA C	2	1/8" / 12"	2108	0	0	2108	44	4
RD1	PLAN C-6	AREA C	2	1/8" / 12"	1954	0	0	1954	41	4
RD1	PLAN D-1	AREA D	2	1/8" / 12"	2406	500	1600	4506	94	6
RD1	PLAN D-2	AREA D	2	1/8" / 12"	2635	0	0	2635	55	4
RD1	PLAN D-3	AREA D	2	1/8" / 12"	2602	0	0	2602	54	4
RD1	PLAN D-4	AREA D	2	1/8" / 12"	3856	0	0	3856	80	6
RD1	PLAN D-5	AREA D	2	1/8" / 12"	3300	0	632	3932	82	6

SCHOOL HW FIXTURE UNITS (2015 UPC)

FIXTURE	QUANTITY	DHWFU	TOTAL DHWFU
LAVATORY	34	0.75	25.5
SINK	30	1.13	33.9
HAND SINK	2	0.75	1.5
SERVICE SINK	4	1.13	4.52
SHOWER	3	1.5	4.5
WASHER ROUGH-IN BOX	2	3	6
DISH WASHER	2	1.5	3
Fixture Unit Totals:			78.92

KITCHEN HW FIXTURE UNITS (2015 UPC)

FIXTURE	QUANTITY	DHWFU	TOTAL DHWFU
SINK FAUCET	5	1.13	5.65
DISH WASHER	1	1.5	1.5
Fixture Unit Totals:			7.15

SANITARY EXIT SOUTH - FIXTURE UNITS (2015 UPC)

FIXTURE	QUANTITY	SANITARY DFU	TOTAL DFU
WATER CLOSET	20	4	80
WATER CLOSET - TANK TYPE	1	4	4
URINAL	2	2	4
LAVATORY	16	1	16
SINK	14	2	28
SERVICE SINK	1	3	3
DRINKING FOUNTAIN	3	1	2
SHOWER	1	0	0
WALL HYDRANT	18	0	0
FLOOR DRAIN (3" TRAP)	3	6	18
FLOOR SINK (3" TRAP)	4	6	24
TRENCH DRAN (2" TRAP)	1	2	2
Fixture Unit Totals:			181

SANITARY EXIT NORTH - FIXTURE UNITS (2015 UPC)

FIXTURE	QUANTITY	SANITARY DFU	TOTAL DFU
WATER CLOSET	27	4	108
URINAL	6	2	12
LAVATORY	18	1	18
SINK	16	2	32
SERVICE SINK	3	3	9
DRINKING FOUNTAIN	6	1	3
SHOWER	2	0	0
WASHER ROUGH-IN BOX	2	3	6
DISH WASHER	2	0	0
FLOOR DRAIN (3" TRAP)	8	6	48
FLOOR SINK (3" TRAP)	1	6	6
FLOOR SINK (4" TRAP)	5	8	40
FLOOR SINK (4" TRAP)	5	8	40
TRENCH DRAN (2" TRAP)	3	2	6
Fixture Unit Totals:			328

ENTIRE DCW FLUSH VALVE DEMAND (UPC @ 5 FPS)

DCWFU TOTAL	*DCWFU TO (GPM)*	*DCW PIPE SIZE (INCH)*	*WSFU TOTAL*	*WSFU TO (GPM)*	*ENTRY PIPE SIZE (INCH)*
368.18	127	3	406.00	130	4

NATURAL GAS SIZING CRITERIA

TOTAL LENGTH = 233 FEET X 1.3 (FOR MISC. FITTINGS) = "TDL"
TOTAL DEVELOPED LENGTH (TDL) = 350 FEET

PIPING SIZED PER CHAPTER 4 OF THE 2015 INTERNATIONAL FUEL GAS CODE

GAS PRESSURE LEAVING REGULATOR AFTER GAS METER ON SITE = 2 PSI (ALL OTHER EQUIPMENT REGULATORS SET TO 14"w.c.)

NATURAL GAS DEMAND LOAD

SYMBOL	INPUT BTU/H	ELEVATION	MBH	MBH PER CFH	CFH
DWH-1	199,999	5,463	200	0.781	256
DWH-2	199,999	5,463	200	0.781	256
B-1	3,000,000	5,463	3,000	0.781	3,839
B-2	3,000,000	5,463	3,000	0.781	3,839
#33 - KETTLE TILITING	140,000	5,463	140	0.781	179
#35 - STEAMER	125,000	5,463	125	0.781	160
#36 - CONVECTION OVEN	100,000	5,463	100	0.781	128
#37 - FRYER	70,000	5,463	70	0.781	90
#38 - RANGE W/GRIDDLE	278,000	5,463	278	0.781	356
RTU-1	120,000	5,463	120	0.781	154
MAU-1	182,000	5,463	182	0.781	233
Total DESIGN LOAD:	7,414,998		7,415		9,488

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35 Road 7585, Bloomfield, NM 87413

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ISSUE:	
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SHEET TITLE

PLUMBING SCHEDULES

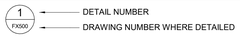
P-702

School Information

FIRE PROTECTION SYMBOL LEGEND

SECTION SYMBOL

DETAIL SYMBOL



SECTION, ELEVATION, AND DETAIL TITLES

SITE UTILITY SYMBOLS

DESCRIPTION	NEW	EXISTING
FIRE PROTECTION	F	EX. F
POST INDICATOR VALVE	PIV	PIV
REDUCED PRESSURE BACKFLOW PREVENTER		
FIRE HYDRANT	F.H.	F.H.(E)
FIRE DEPARTMENT INLET CONNECTION	F.D.C.	F.D.C.
VALVE WITH VALVE BOX		
CONSTRUCTION		
FENCING		

SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
XX		KEYED NOTE
		POINT OF CONNECTION TO EXISTING
XXXXX		EXISTING PIPE TO BE REMOVED
		NEW PIPING
		EXISTING PIPING TO REMAIN
		NEW PIPE CONNECTION TO EXISTING PIPING
		DIRECTION OF FLOW
		DROP IN PIPE
		RISE IN PIPE
		TOP CONNECTION, 45° OR 90° BOTTOM CONNECTION, 45° OR 90°
		CAPPED OUTLET
		SIDE CONNECTION
		UNION
		FLANGED UNION
		ORIFICE UNION
		REDUCER OR INCREASER
		ECCENTRIC REDUCER
		PIPE GUIDE
		FLEXIBLE CONNECTION
		UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG) STRAINER WITH BLOWDOWN VALVE & HOSE BIBB
		PRESSURE GAUGE AND GAUGE COCK
		TEST PLUG (PRESS/TEMP)
		PENETRATION
	MAV	MANUAL AIR VENT (MAV)
A	AAV	AUTOMATIC AIR VENT (AAV)
	FS/FD/AD	FLOOR SINK , FLOOR DRAIN , AREA DRAIN
		SLOPE OF PIPE
	AG	AIR GAP FITTING
	(WH) (HB)	WALL HYDRANT, HOSE BIBB
	TP	TRAP PRIMER WITH ACCESS PANEL
		WATER MOTOR GONG
		ALARM BELL
		FIRE HOSE CABINET
		FIRE HOSE VALVE CABINET
		CLEAN AGENT FIRE SUPPRESSION
		DISCHARGE NOZZLE
		AUDIO/VISUAL ALARM
C.P.		CONTROL PANEL

PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
CA	CA	COMPRESSED AIR
FP	FP	FIRE PROTECTION; WET PIPE
DFP	DFP	FIRE PROTECTION; DRY PIPE
SP	SP	STANDPIPE; WET
DSP	DSP	STANDPIPE; DRY
DP	DP	DRY PIPE/PRE-ACTION FIRE PROTECTION

FIRE PROTECTION-INTERIOR

SYMBOL	DESCRIPTION
●	PENDANT STYLE HEAD/DRY TYPE AS NOTED
○	UPRIGHT STYLE HEAD/DRY TYPE AS NOTED
◁	SIDEWALL STYLE HEAD/DRY TYPE AS NOTED

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
BOP	BOTTOM OF PIPE
DN	DOWN
EL	ELEVATION
FFE	FINISHED FLOOR ELEVATION
FT	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INV	INVERT
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT

VALVE SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
FP		ROOF MANIFOLD
FDC	FDC	FIRE DEPARTMENT INLET CONNECTION
FDC (E)	(E)FDC	EXISTING FIRE DEPARTMENT INLET CONNECTION
FP	FP	WET PIPE FIRE RISER
FP DFP	DFP	DRY PIPE FIRE RISER
FP DP		DELUGE/PREACTION FIRE RISER
FP D		INSPECTOR'S TEST CONNECTION (HORIZONTAL)
FP D		INSPECTOR'S TEST CONNECTION (VERTICAL)
		STANDPIPE VALVE
		FLOW CONTROL VALVE
		FLOW SWITCH
		GATE VALVE
		GLOBE VALVE
		OS&Y VALVE
		BUTTERFLY VALVE
OR OR		BALL VALVE
OR		CHECK VALVE
		WATER PRESSURE REDUCING VALVE
		AUTO BALL DRIP VALVE
		PRESSURE RELIEF VALVE
		TEMPERATURE AND PRESSURE RELIEF VALVE
		DRAIN VALVE
		VALVE IN VERTICAL
		FLOW SWITCH
		DIAPHRAGM (PROCESS SYSTEMS)
		REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
		ATMOSPHERIC VACUUM BREAKER
		PRESSURE STYLE VACUUM BREAKER

FIRE FLOW DATA

TEST DATE:	04/28/2020
TEST LOCATION:	Residential at Main Entrance
WATER PRESSURE ZONE:	XX - XXXX
TEST ELEVATION:	5463' MSL
REQUESTED LOADING:	500 GPM
(IF MODELED BY THE MUNICIPALITY)	
PEAK STATIC PRESSURE:	56 PSI
RESIDUAL PRESSURE:	51 PSI
FLOWING GPM:	2860 GPM @ 20 psi
(IF NOT MODELED BY THE MUNICIPALITY)	

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FIRE PROTECTION LEGEND

FX001

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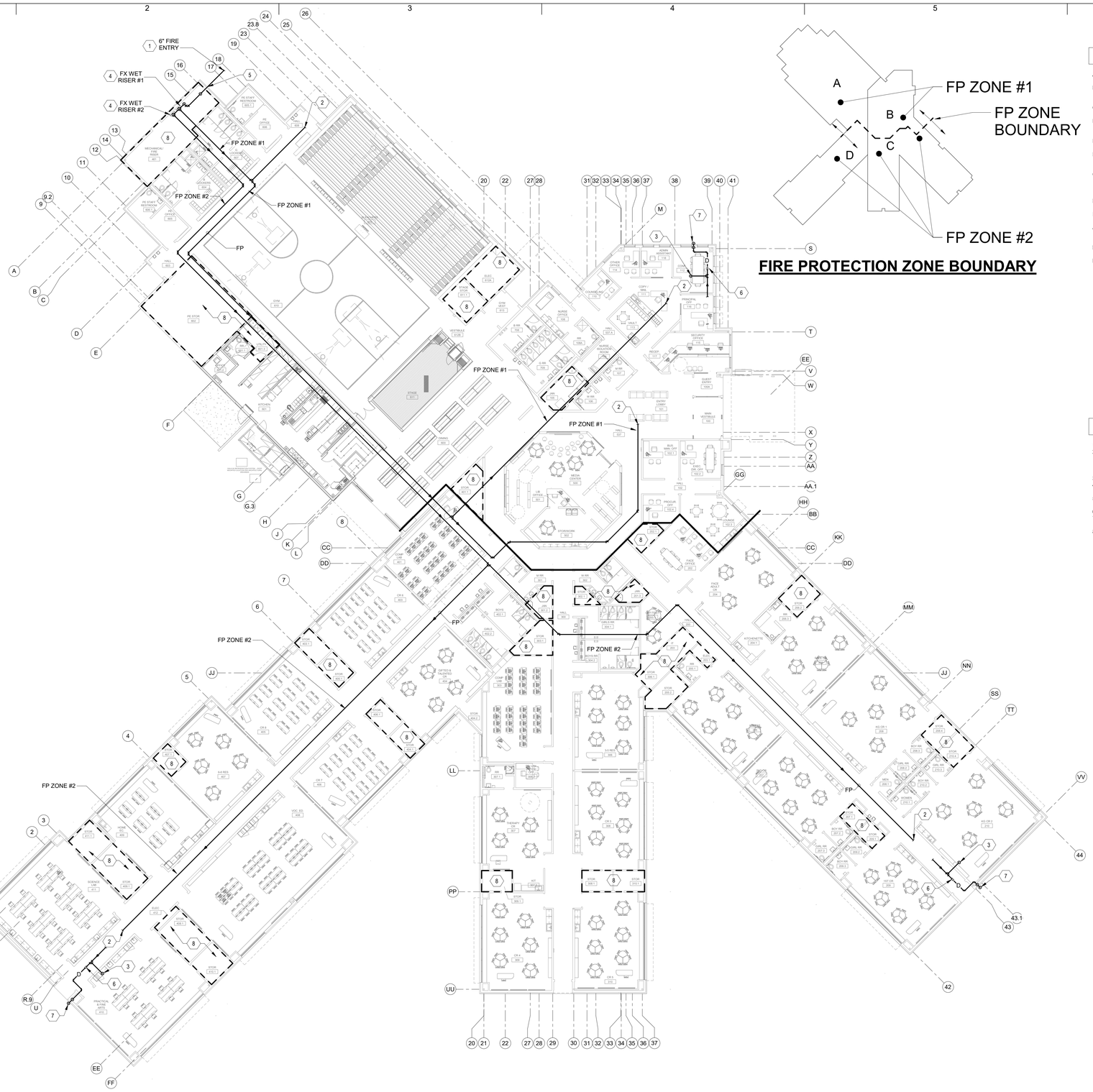


FIRE PROTECTION ZONE BOUNDARY

GENERAL NOTES

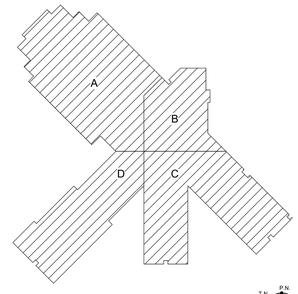
A. THE CONTRACTOR SHALL COMPLY WITH NFPA-13 AND REQUIREMENTS OF THE AHJ.
B. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
C. ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO NFPA STANDARDS AND BE UL LISTED.
D. SPRINKLER SYSTEMS SHALL BE DESIGNED FOR LIGHT HAZARD WITH DESIGN DENSITY OF 0.10 GPM / 1500 SQ.FT. THROUGHOUT ENTIRE BUILDING UNLESS NOTED OTHERWISE.
E. MAXIMUM SPRINKLER HEAD COVERAGE SHALL BE 225 SQ.FT. PER HEAD IN LIGHT HAZARD AREAS.
F. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO FABRICATION AND DURING INSTALLATION.
G. THE CONTRACTOR SHALL SUPPLY AND INSTALL AN INSPECTORS TEST CONNECTION (ITC) FOR EACH SPRINKLER SYSTEM. RUN THROUGH EXTERIOR WALLS WHERE APPROVED BY ARCHITECT / ENGINEER.
H. THE ARCHITECT SHALL APPROVE THE AESTHETICS OF THE SPRINKLER HEADS AND EXPOSED PIPING LAYOUT.
I. PROVIDE PENDANT AND UPRIGHT SPRINKLERS IN ALL CONCEALED COMBUSTIBLE SPACES.
J. USE FLUSH CONCEALED HEADS IN ALL TOILET ROOMS. PROVIDE SPRINKLERS UNDER EXPOSED DUCT OR OBSTRUCTIONS 48" WIDE AND LARGER.
K. REFER TO CEILING TILE DETAIL D4/FX-501 FOR SPRINKLER HEAD LOCATIONS IN CEILING TILES.
L. PROVIDE SIDEWALL SPRINKLER HEADS AT TOP OF SKYLIGHTS.

KEYNOTES

1. REFER TO CIVIL FOR CONTINUATION OF SERVICES.
2. LOCATIONS AND SIZING BY FIRE PROTECTION CONTRACTOR. SYSTEM SHALL BE HYDRAULICALLY CALCULATED AND DESIGNED TO LATEST APPLICABLE NFPA & IBC. ALL ROOMS SHALL BE PROTECTED.
3. MOST REMOTE HEAD.
4. REFER TO FIRE RISER DETAIL A5/FX501 FOR ADDITIONAL INFORMATION.
5. REFER TO FIRE ENTRY DETAIL D4/FX501 FOR ADDITIONAL INFORMATION.
6. INSPECTOR'S TEST VALVE.
7. TERMINATE IN ACCORDANCE WITH NFPA-13. REFER TO DETAIL C5/P-501.
8. PROVIDE ORDINARY HAZARD GROUP I COVERAGE AT DESIGN DENSITY 0.15 GPM / 1500 SQ. FT.

A1 FIRE PROTECTION FLOOR PLAN
1/16" = 1'-0"

0' 8' 16' 32'



KEY PLAN

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FIRE PROTECTION FLOOR PLAN

FX-101

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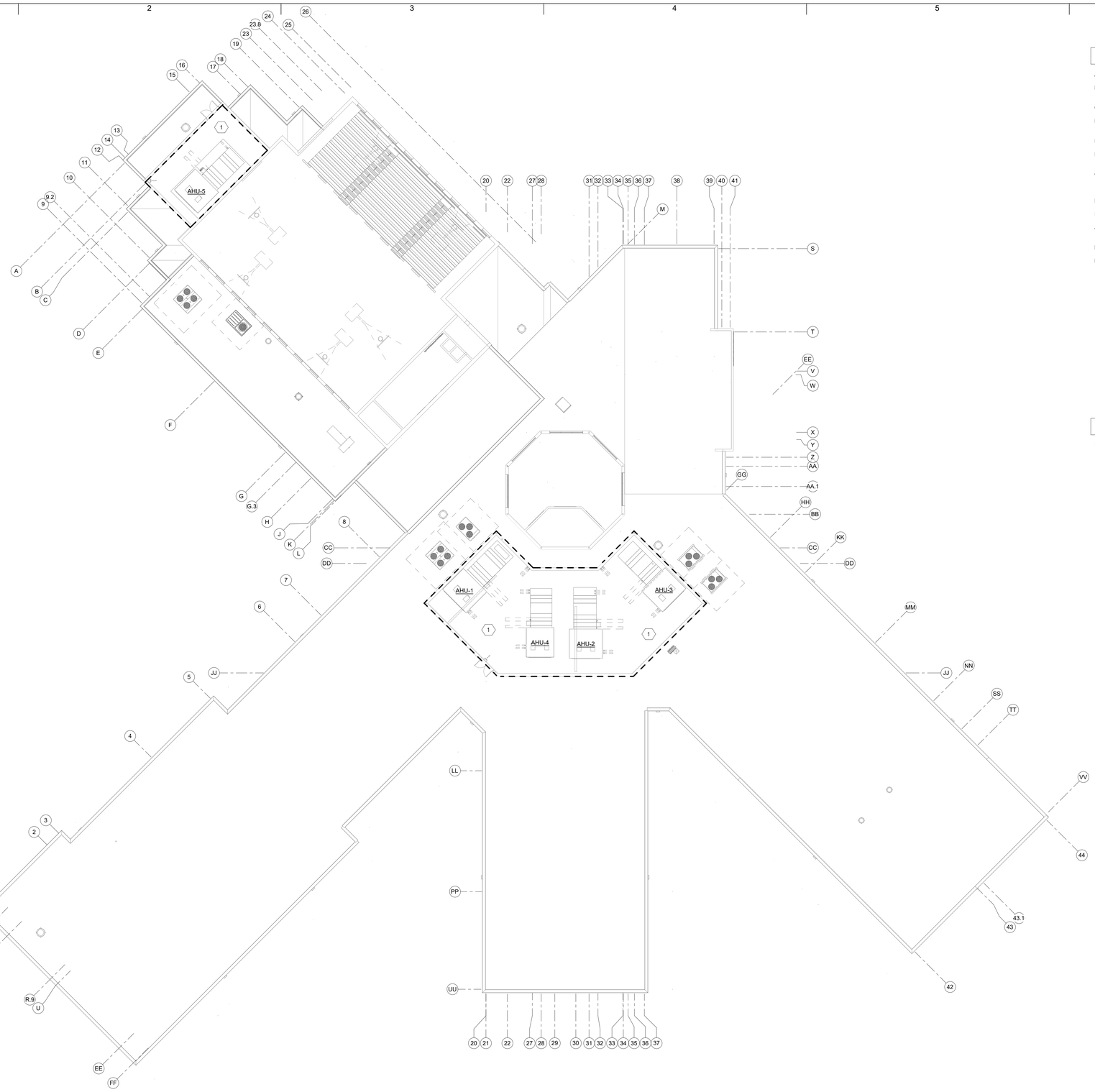

GENERAL NOTES

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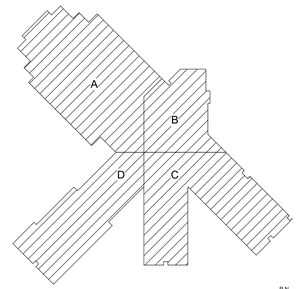
K. REFER TO CEILING TILE DETAIL D4/FX-501 FOR SPRINKLER HEAD LOCATIONS IN CEILING TILES.
L. PROVIDE SIDEWALL SPRINKLER HEADS AT TOP OF SKYLIGHTS.

KEYNOTES

1. PROVIDE ORDINARY HAZARD GROUP I COVERAGE AT DESIGN DENSITY 0.15 GPM / 1500 SQ. FT.

A1 FIRE PROTECTION ROOF PLAN
1/16" = 1'-0"

0' 8' 16' 32'



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FIRE PROTECTION ROOF PLAN

FX-131

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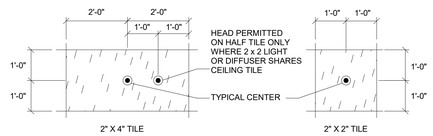
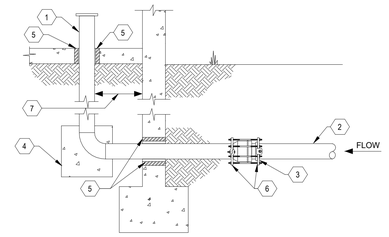
NOTE:
ON CEILING TILES THAT ARE LESS THAN FULL
HEAD SHALL BE CENTERED IN ALL DIRECTIONS



D2 FIRE SPRINKLER CEILING TILE DETAIL

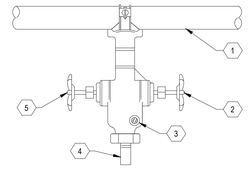
SCALE: NOT TO SCALE



1. AMES IN-BUILDING RISER. STAINLESS STEEL TYPE 304. SEE PLANS FOR SIZE AND SERVICE
2. DUCTILE IRON OR PVC WATER SERVICE.
3. MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL, CONTINUE INTO BUILDING WITH STAINLESS STEEL.
4. CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH IBC IF REQUIRED BY AHJ
5. PIPE SLEEVE, SEE SPECIFICATIONS
6. MEGALUG PIPE RESTRAINT HARNESS
7. VERTICAL SECTION OF RISER LOCATED AS CLOSE AS POSSIBLE TO WALL

D4 WATER ENTRY THRU FOOTING DETAIL

SCALE: NOT TO SCALE

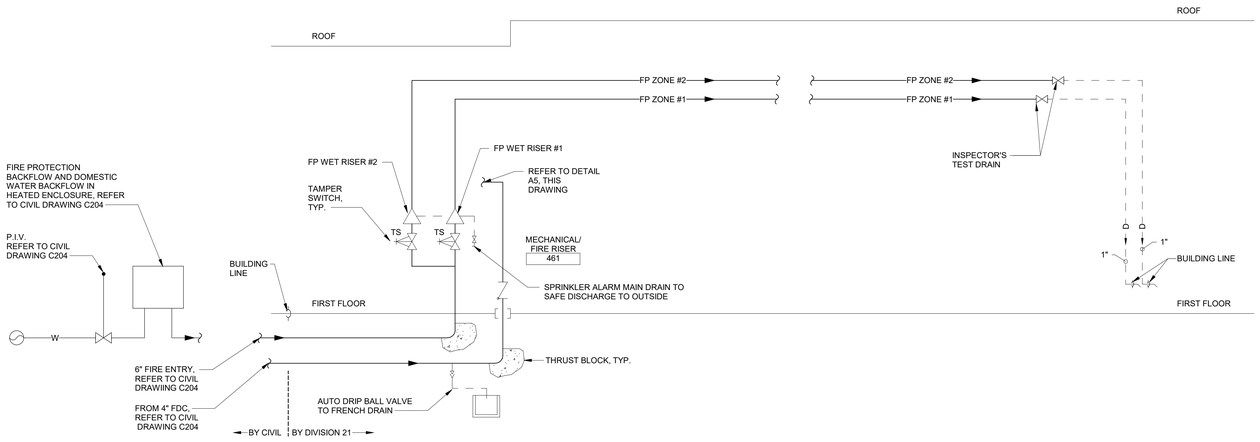


1. SPRINKLER MAIN (FOR SIZES, SEE FLOOR PLANS).
2. TEST VALVE.
3. SIGHT GLASS.
4. DISCHARGE DRAIN LINE, FOR SIZES AND CONTINUATION, SEE FLOOR PLANS.
5. DRAIN VALVE.

D5 INSPECTORS TEST CONNECTION

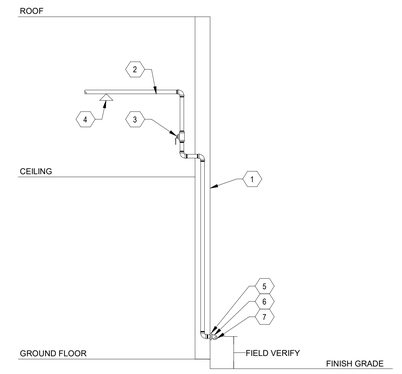
SCALE: NOT TO SCALE

FIRE PROTECTION ZONE BOUNDARY



A1 FIRE PROTECTION DIAGRAM

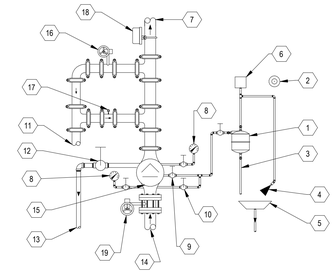
SCALE: NOT TO SCALE



1. EXTERIOR WALL
2. 1" SUPPLY FROM SPRINKLER SYSTEM ZONE
3. 1" TEST & DRAIN VALVE WITH SIGNAGE (NORMALLY CLOSED) AT 9'-0" AFF.
4. MOST REMOTE HEAD
5. 1" GALVANIZED WALL PLATE TO COVER EXISTING OPENING
6. 1" GALVANIZED 45 DEGREE ELBOW
7. SMOOTH BORE CORROSION RESISTANT OUTLET WITH FLOW EQUAL TO ONE SPRINKLER WITH SMALLEST ORIFICE

C5 INSPECTORS TEST DRAIN VALVE

SCALE: NOT TO SCALE



1. RETARDING CHAMBER
2. ELECTRIC ALARM LOCATED 8'-0" AFG & ADJACENT TO SIAMESE FIRE DEPARTMENT INLET CONNECTION
3. AUTOMATIC DRIP
4. RESTRICTED VENT
5. DRIP CUP W/DRAIN LINE TO EXTERIOR DISCHARGE
6. ALARM SWITCH
7. TO SPRINKLER SYSTEM
8. WATER PRESSURE GAUGE
9. ALARM SHUT-OFF VALVE & CHECK VALVE (NORMALLY OPEN)
10. ALARM TEST VALVE (NORMALLY CLOSED)
11. FROM FIRE DEPT. CONNECTION
12. FULL SIZED MAIN DRAIN VALVE
13. TO EXTERIOR DISCHARGE
14. FROM FIRE PROTECTION MAIN SUPPLY LINE
15. ALARM CHECK VALVE
16. INDICATING BUTTERFLY VALVE, USED FOR FORWARD FLOW TEST (NORMALLY CLOSED)
17. WAFER CHECK VALVE
18. FLOW SWITCH
19. INDICATING BUTTERFLY VALVE

A5 SPRINKLER ALARM VALVE

SCALE: NOT TO SCALE

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FIRE PROTECTION DETAILS

FX501

School Information

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MECHANICAL SYMBOL LEGEND

ABBREVIATIONS

ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTIC LINING
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CONT.	CONTINUATION
D	DRAIN
DX	DIRECT EXPANSION
ENT	ENTERING
EXH	EXHAUST
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
°F	DEGREES FAHRENHEIT
FB	FLAT BOTTOM
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
F.G.	FILTER GAUGE
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FLAT TOP
FT.	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HAND DAMPER (VOLUME DAMPER)
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
IN	INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
MA	MAIN AIR (CONTROLS)
MCC	MOTOR CONTROL CENTER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY)
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
QTY	QUANTITY
QUAD	QUADRANT
R.A.	RETURN AIR
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SCD	SMOKE CONTROL DAMPER
SP	STATIC PRESSURE (INCHES OF WATER)
SDVV	SINGLE DUCT VARIABLE VOLUME
ST	SOUND TRAP
TOPT	TOP OF PIPE TRAPEZE
TP	TOTAL PRESSURE (INCHES OF WATER)
TYP.	TYPICAL
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VTR	VENT THRU ROOF

DUCTWORK SYMBOLS

- FLEXIBLE DUCT
- ACOUSTICAL DUCT LINING
- MANUAL BALANCING DAMPER (HD)
- FIRE DAMPER (FRD)
- SMOKE DAMPER (SMD)
- COMBINATION FIRE/SMOKE DAMPER (FSD)
- 1 HR. FIRE BARRIER
- 2HR. FIRE BARRIER
- SMOKE BARRIER
- 2HR. SMOKE BARRIER

(VERIFY WITH ARCHITECTURAL DRAWINGS)

- CONNECT NEW DUCT TO EXISTING DUCT
- EXISTING DUCT TO BE REMOVED
- FLEXIBLE CONNECTION
- RISE IN DUCT
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EXCEPT TRANSFER AIR SOUND ELBOW)
- SHORT RADIUS ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EXCEPT TRANSFER AIR SOUND ELBOW)
- STANDARD LONG RADIUS ELBOW
- SUPPLY DUCT
- RETURN DUCT
- EXHAUST DUCT
- STAMPED FACE CEILING DIFFUSERS
- PERFORATED FACE CEILING DIFFUSERS
- CEILING EXHAUST REGISTER
- CEILING RETURN AIR REGISTER OR GRILLE
- SIDEWALL EXHAUST OR RETURN AIR GRILLE OR REGISTER
- SIDEWALL SUPPLY REGISTER
- DUCT TRANSITION
- DUCT TRANSITION FROM RECTANGULAR TO ROUND
- 24"x12" / 24x12 — INDICATES A 24"x12" RECTANGULAR DUCT (WIDTH x DEPTH)
- 12"Ø / 12"Ø — INDICATES A 12" ROUND DUCT
- 24"/12" / 24x12Ø — INDICATES A 24"x12" FLAT OVAL DUCT (WIDTH x DEPTH)
- DUCT MOUNTED SMOKE DETECTOR
- DUCT MOUNTED STATIC PRESSURE PROBE
- ACCESS DOOR
- (T) ROOM THERMOSTAT/TEMP. TRANSMITTER LOCATION ONLY SEE CONTROL DRAWINGS FOR TYPE
- (H) ROOM HUMIDISTAT/HUMIDITY TRANSMITTER LOCATION ONLY SEE CONTROL DRAWINGS FOR TYPE
- (CO2) ROOM CARBON DIOXIDE TRANSMITTER LOCATION ONLY SEE CONTROL DRAWINGS FOR TYPE

VALVE SYMBOLS

- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE
- 3-WAY MODULATING CONTROL VALVE
- 2-WAY CONTROL VALVE
- SAFETY VALVE OR PRESSURE RELIEF VALVE
- SOLENOID VALVE
- 3/4" BALL VALVE WITH ADAPTER TO 3/4" HOSE THREAD
- DIAPHRAGM VALVE
- BUTTERFLY VALVE
- BALL VALVE
- VALVE IN RISE
- WATER FLOW MEASURING DEVICE
- CIRCUIT SETTER

FITTING SYMBOLS

- ELBOW - DOWN
- ELBOW - UP
- PIPE RISE-DROP
- ELBOW - DROP TO TEE
- TEE - DROP FROM TEE
- END CAP
- FLEX CONNECTION
- PIPE REDUCER - CONCENTRIC
- PIPE REDUCER - ECCENTRIC
- PIPE STRAINER
- UNION - SCREWED
- AIR VENT - AUTOMATIC
- AIR VENT - MANUAL
- GAUGE - DIFFERENTIAL
- GAUGE - PRESSURE
- GAUGE - PRESSURE WITH COCK
- GAUGE - TEMPERATURE
- PIPE ANCHOR
- PIPE EXPANSION JOINT
- PIPE GUIDE
- SENSOR - FLOW
- SWITCH - FLOW
- SWITCH HUMIDITY
- SWITCH - PRESSURE
- SWITCH - TEMPERATURE
- TEMPERATURE - PRESSURE TEST FITTING
- THERMOMETER
- THERMOMETER WELL
- BASKET STRAINER
- STEAM TRAP INVERTED BUCKET
- METER - TOTALIZING BTU
- METER - TOTALIZING FLOW

PIPING SYMBOLS

MECHANICAL PIPING

HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
D	DRAIN
CD	CONDENSATE DRAIN
V	VENT
MU	MAKE-UP WATER
RS	REFRIGERATION SUCTION
RL	REFRIGERATION LIQUID
R	REFRIGERATION
DOWN	DIRECTION PITCH
	DIRECTION OF FLOW
	EXISTING
	DEMO

SECTION SYMBOL

SECTION LOCATION — A1 / DRAWING NUMBER WHERE DETAILED — M301

DETAIL SYMBOL

DETAIL LOCATION — X#/X###

DRAWING NUMBER WHERE DETAILED

SECTION AND DETAIL TITLES

SECTION LETTER LOCATION — A1 SECTION / SCALE

DETAIL NUMBER LOCATION — A1 DETAIL / SCALE

EQUIPMENT SYMBOLS

XX-## — LETTERS REFER TO THE EQUIPMENT TYPE; NUMBERS REFER TO SPECIFIC EQUIPMENT; SYMBOL INDICATES EQUIPMENT IDENTIFIED IN EQUIPMENT SCHEDULE

###x## — SIDEWALL GRILLE DIMENSION WHERE SHOWN ON PLANS

XX-# — SYMBOL INDICATES GRILLE OR DIFFUSER IDENTIFIED IN EQUIPMENT SCHEDULE

— CFM

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

GENERAL NOTES

A. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS, UNLESS OTHERWISE NOTED.

B. PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FANS, CONTROLS, ETC. THEY SHALL BE FURNISHED UNDER DIVISION 23 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. ACCESS DOOR RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.

C. WATER PIPE CONNECTIONS TO WATER COILS SHALL BE MADE SO THERE WILL BE COUNTER FLOW BETWEEN WATER AND AIR.

D. COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, REGISTERS, ACCESS DOORS, ETC., WITH THE ARCHITECTURAL REFLECTED CEILING PLAN(S).

E. ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE.

F. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. ALL DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS.

G. PROVIDE 1/2" MANUAL AIR VENTS AT ALL HIGH POINTS OF CLOSED SYSTEM PIPING AND 1/2" MANUAL DRAIN VALVES WITH HOSE CONNECTION AT LOW POINTS AS REQUIRED TO PROVIDE COMPLETE SYSTEM DRAINAGE. WHERE DRAIN VALVES OCCUR ABOVE CEILING AREAS AND IN AREAS OUTSIDE MECHANICAL RANGE PROVIDE HOSE CONNECTION ON VALVE.

H. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS, EXCEPT TRANSFER AIR SOUND ELBOWS.

I. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. PROVIDE APPROVED FIRE DAMPERS IN ALL REQUIRED PENETRATIONS FOR DUCTWORK, GRILLES, REGISTERS AND DIFFUSERS. ALL PIPE AND DUCTWORK PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. APPROVED FIRE PROOF CAULKING MATERIAL.

J. CONTRACTOR SHALL COORDINATE ALL DUCTWORK, PIPING, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.

K. CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.

L. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT, ETC., AS MAY BE REQUIRED TO ADEQUATELY SUPPORT THE MECHANICAL PIPING, DUCTWORK, AND EQUIPMENT IN A MANNER APPROVED BY THE ARCHITECT, WHICH WILL NOT OVERLOAD THE BUILDING STRUCTURAL SYSTEM.

M. CONTRACTOR SHALL PROVIDE RETURN AIR OR TRANSFER AIR OPENINGS IN FULL HEIGHT WALLS SIZED AT 350 FPM (UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE DRAWINGS) TO CREATE AND/OR MAINTAIN A RETURN AIR PATH AS REQUIRED. FIRE DAMPERS AND/OR SMOKE DAMPERS SHALL BE PROVIDED IN SUCH OPENINGS WHERE REQUIRED BY NOTE "J".

N. SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, DUCT WALL PENETRATIONS AND FITTING CONNECTIONS ON ALL DUCT SYSTEMS.

O. MECHANICAL ITEMS SUCH AS ROOF DRAINS, FLOOR DRAINS, PLUMBING FIXTURES, ETC. SHOWN ON THE ARCHITECTURAL DRAWINGS BUT NOT SHOWN ON THE MECHANICAL DRAWINGS SHALL BE INCLUDED IN THE PROJECT. THESE ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR INCLUSION IN ADDENDUM.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

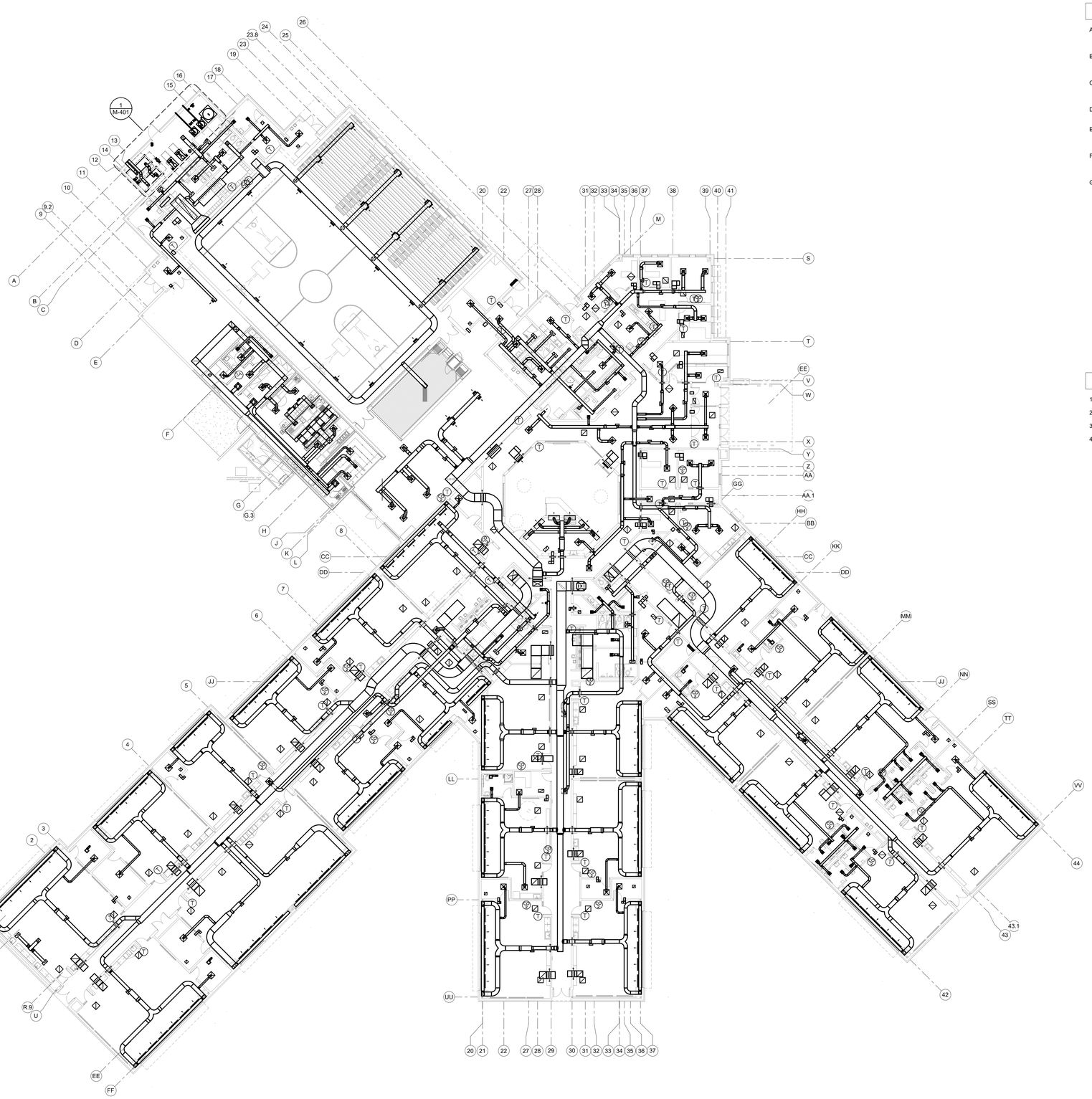
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

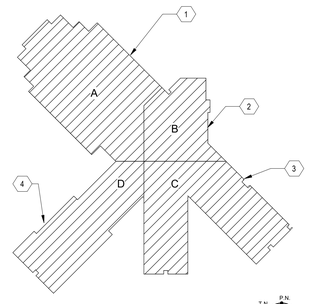
MECHANICAL LEGEND

M-001



A1 HVAC FLOOR PLAN
1/16" = 1'-0"

0' 8' 16' 32'



KEY PLAN

N.T.S.

GENERAL NOTES

A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1, SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-70X.

C. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.

D. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

E. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

F. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.

G. INSTALL T-STAT ON WALL 48" A.F.F.. COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. USE METAL LOCKING COVER IN STUDENT AREAS.

KEYNOTES

1. SEE SHEET MH101A FOR ENLARGED HVAC FLOOR PLAN IN AREA A.
2. SEE SHEET MH101B FOR ENLARGED HVAC FLOOR PLAN IN AREA B.
3. SEE SHEET MH101C FOR ENLARGED HVAC FLOOR PLAN IN AREA C.
4. SEE SHEET MH101D FOR ENLARGED HVAC FLOOR PLAN IN AREA D.

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

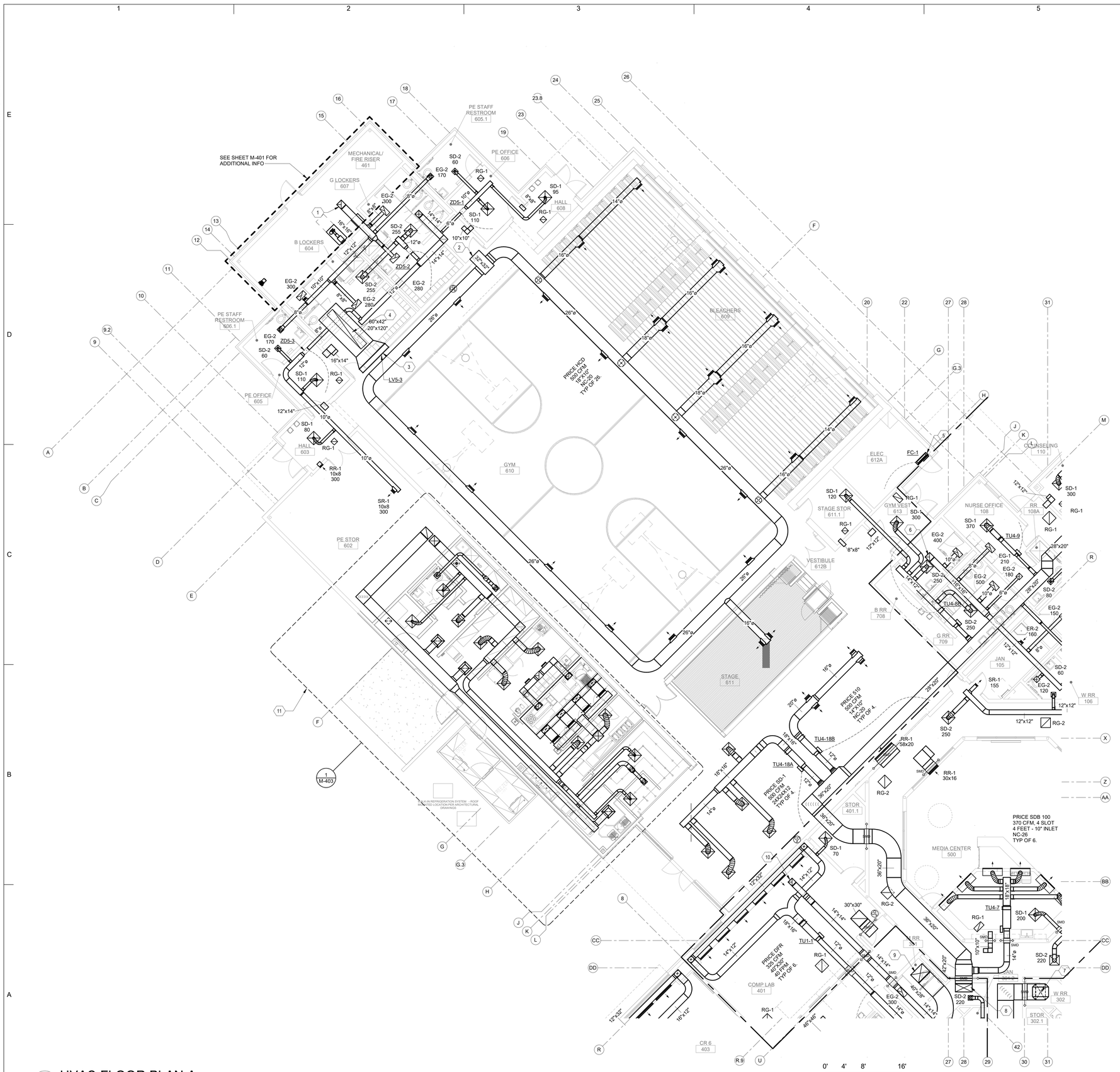
ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

HVAC FLOOR PLAN

MH-101

Bridgers & Paxton Project No: 8226 10/1/2020 4:05:49 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_ravid2003zh.rvt
School Information



GENERAL NOTES

A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1, SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-703.

C. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.

D. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

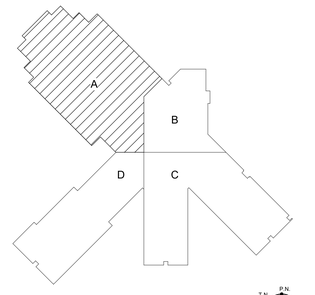
E. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

F. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.

G. INSTALL T-STAT ON WALL 48" A.F.F., COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. USE METAL LOCKING COVER IN STUDENT AREAS.

KEYNOTES

1. 16"X16" EXHAUST DUCT UP TO EF-1 ON THE ROOF.
2. 32"X32" SUPPLY DUCT FROM AHU-5 IN PENTHOUSE. SEE SHEET M-401 FOR CONTINUATION. APPROXIMATELY 26'-0" F.F.F.
3. 90"X42" RETURN LOUVER, APPROXIMATELY 10'-2" F.F.F. TRANSITION TO 60"X42" RA DUCT. PROVIDE 1" LINER ON THE RA DUCT. SEE MECH SCHEDULE FOR ADDITIONAL INFO.
4. 120"X20" RETURN DUCT UP TO AHU-5 IN PENTHOUSE. SEE SHEET M-401 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT
5. PROVIDE A/C UNIT WITH WALL MOUNTED T-STAT. INSTALL UNIT LEVEL ON WALL ABOVE DOOR FOR PROPER CONDENSATE DRAINAGE. DRAIN SIZED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE CONDENSATE DRAIN WITH PLUMBING CONTRACTOR. PROVIDE LIQUID AND VAPOR PIPING. SIZE PIPING, TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO COORDINATE SHORTEST CONCEALED ROUTING TO ASSOCIATED REMOTE CONDENSING UNIT. PROVIDE ALL VALVES AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO DETAILS AND EQUIPMENT SCHEDULE FOR
6. 16"X16" EXHAUST DUCT UP TO EF-2 ON THE ROOF.
7. 40"X24" SUPPLY DUCT UP TO AHU-2 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
8. 42"X20" SUPPLY DUCT UP TO AHU-4 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
9. 40"X28" SUPPLY DUCT UP TO AHU-1 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
10. 14"X14" EXHAUST DUCT UP TO EF-3 ON THE ROOF.
11. SEE SHEET M-403 FOR KITCHEN ENLARGED PLAN.



KEY PLAN N.T.S.

A1 HVAC FLOOR PLAN A
1/8" = 1'-0"

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

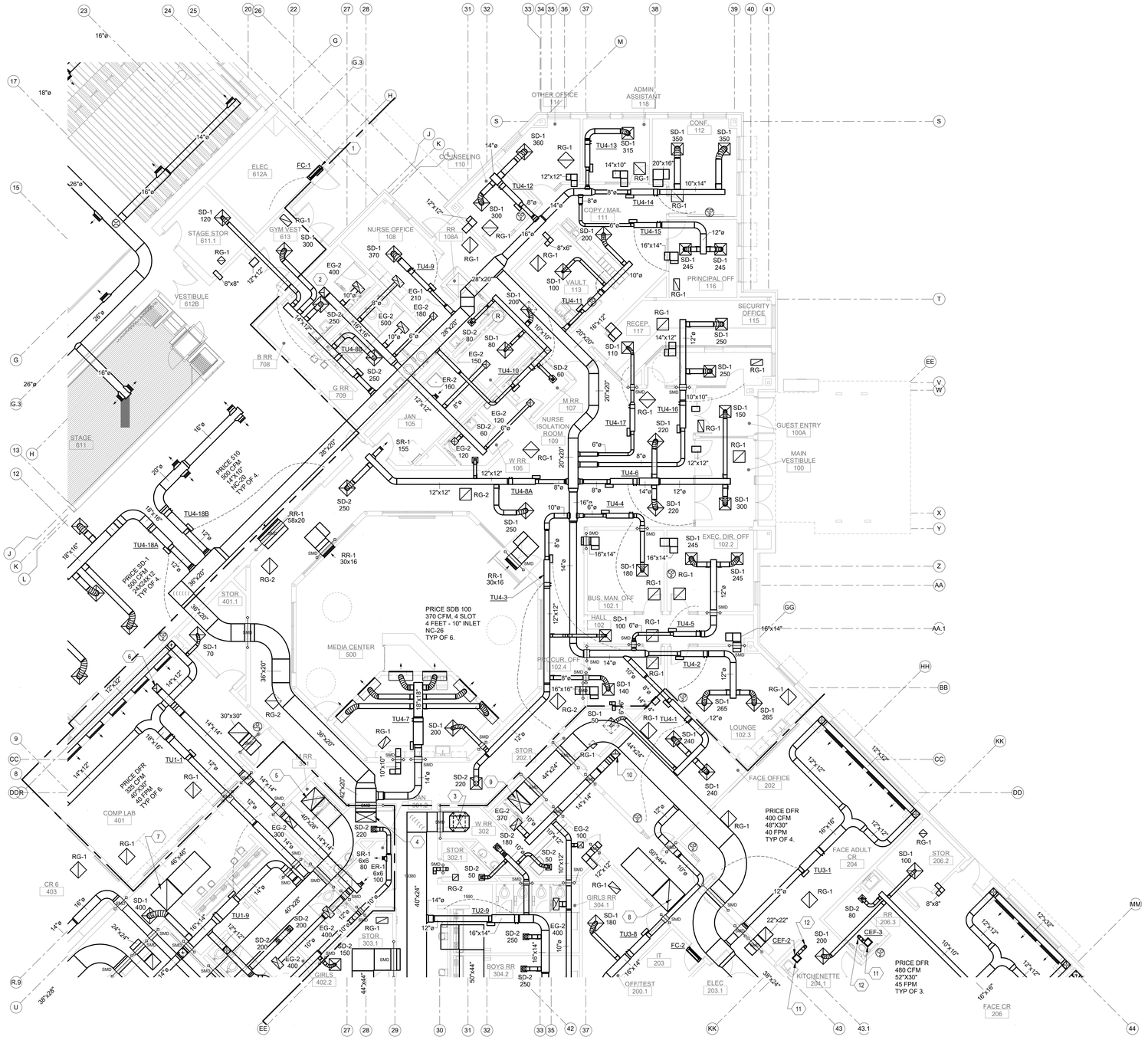
SHEET TITLE

HVAC FLOOR PLAN A

MH-101A

Bridgers & Paxton Project No: 8226 10/1/2020 4:05:56 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_nasvid2003ah.rvt

School Information



A1 HVAC FLOOR PLAN B

1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1, SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-703.

C. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.

D. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

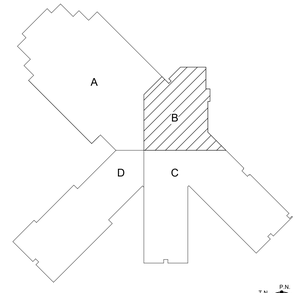
E. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

F. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.

G. INSTALL T-STAT ON WALL 48" A.F.F., COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. USE METAL LOCKING COVER IN STUDENT AREAS.

KEYNOTES

1. PROVIDE A/C UNIT WITH WALL MOUNTED T-STAT. INSTALL UNIT LEVEL ON WALL ABOVE DOOR FOR PROPER CONDENSATE DRAINAGE. DRAIN SIZED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE CONDENSATE DRAIN WITH PLUMBING CONTRACTOR. PROVIDE LIQUID AND VAPOR PIPING. SIZE PIPING, TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO COORDINATE SHORTEST CONCEALED ROUTING TO ASSOCIATED REMOTE CONDENSING UNIT. PROVIDE ALL VALVES AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO DETAILS AND EQUIPMENT SCHEDULE FOR
2. 16"X16" EXHAUST DUCT UP TO EF-2 ON THE ROOF.
3. 40"X24" SUPPLY DUCT UP TO AHU-2 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
4. 42"X20" SUPPLY DUCT UP TO AHU-4 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
5. 40"X28" SUPPLY DUCT UP TO AHU-1 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
6. 14"X14" EXHAUST DUCT UP TO EF-3 ON THE ROOF.
7. 46"X46" RETURN DUCT UP TO AHU-1 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT.
8. 50"X44" RETURN DUCT UP TO AHU-3 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT.
9. 44"X24" SUPPLY DUCT UP TO AHU-3 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
10. 14"X14" EXHAUST DUCT UP TO EF-4 ON THE ROOF.
11. PROVIDE CEILING MOUNTED EXHAUST FAN. SUPPORT FAN FROM STRUCTURE WITH 1" x 18 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
12. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.



KEY PLAN

N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

HVAC FLOOR PLAN B

MH-101B

Bridgers & Paxton Project No: 8226
10/1/2020 4:06:03 PM
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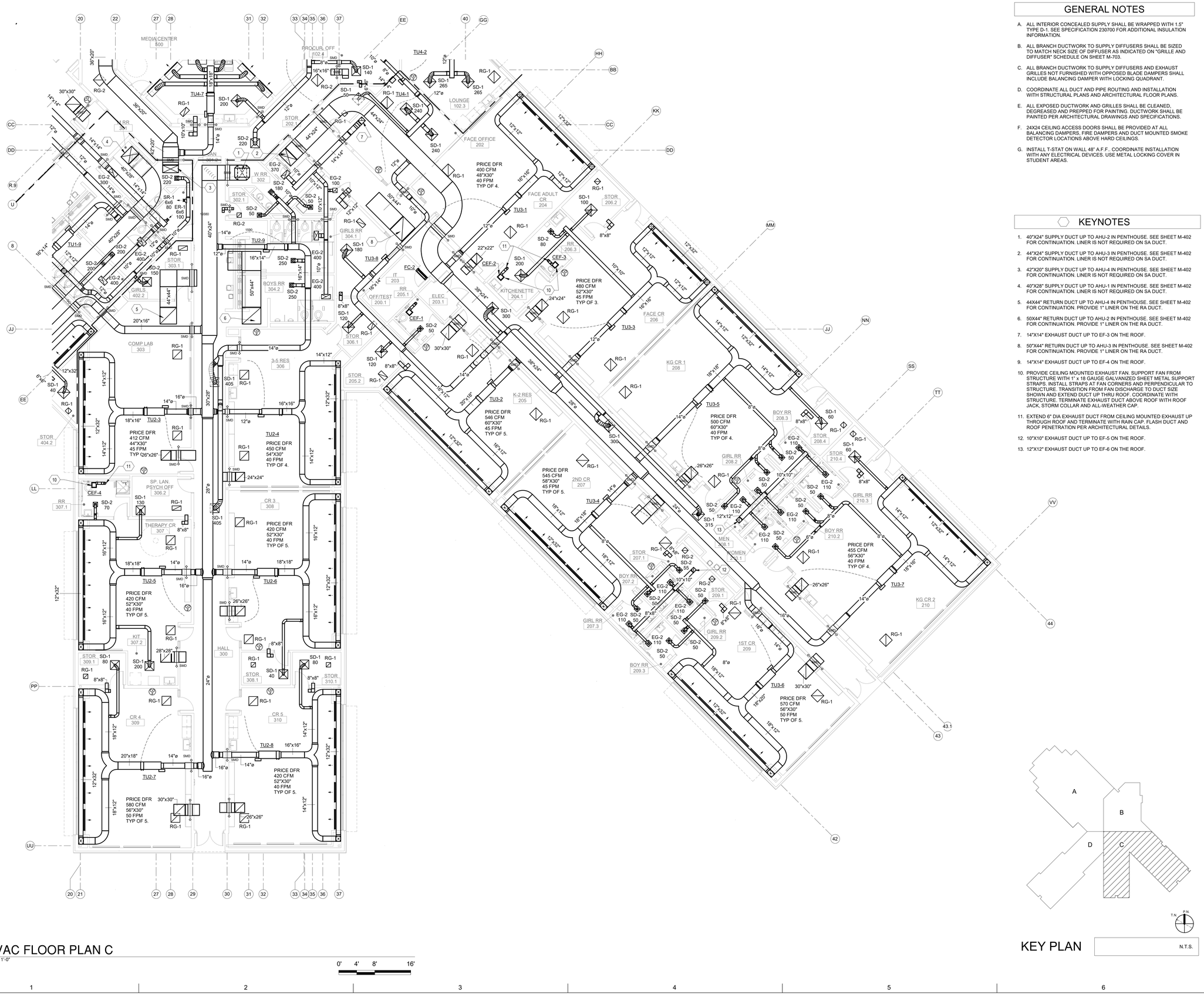
School Information



GENERAL NOTES

A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1, SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-703.

C. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.

D. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

E. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

F. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.

G. INSTALL T-STAT ON WALL 48" A.F.F., COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. USE METAL LOCKING COVER IN STUDENT AREAS.

KEYNOTES

1. 40"X24" SUPPLY DUCT UP TO AHU-2 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
2. 44"X24" SUPPLY DUCT UP TO AHU-3 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
3. 42"X20" SUPPLY DUCT UP TO AHU-4 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
4. 40"X28" SUPPLY DUCT UP TO AHU-1 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
5. 44X44" RETURN DUCT UP TO AHU-4 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT.
6. 50X44" RETURN DUCT UP TO AHU-2 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT.
7. 14"X14" EXHAUST DUCT UP TO EF-3 ON THE ROOF.
8. 50"X44" RETURN DUCT UP TO AHU-3 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT.
9. 14"X14" EXHAUST DUCT UP TO EF-4 ON THE ROOF.
10. PROVIDE CEILING MOUNTED EXHAUST FAN. SUPPORT FAN FROM STRUCTURE WITH 1" x 18 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
11. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.
12. 10"X10" EXHAUST DUCT UP TO EF-5 ON THE ROOF.
13. 12"X12" EXHAUST DUCT UP TO EF-6 ON THE ROOF.

A1 HVAC FLOOR PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN

N.T.S.

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ARCHITECT

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OCTOBER 01, 2020

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ISSUE:	
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PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

HVAC FLOOR PLAN C

MH-101C

Bridgers & Paxton Project No: 8226
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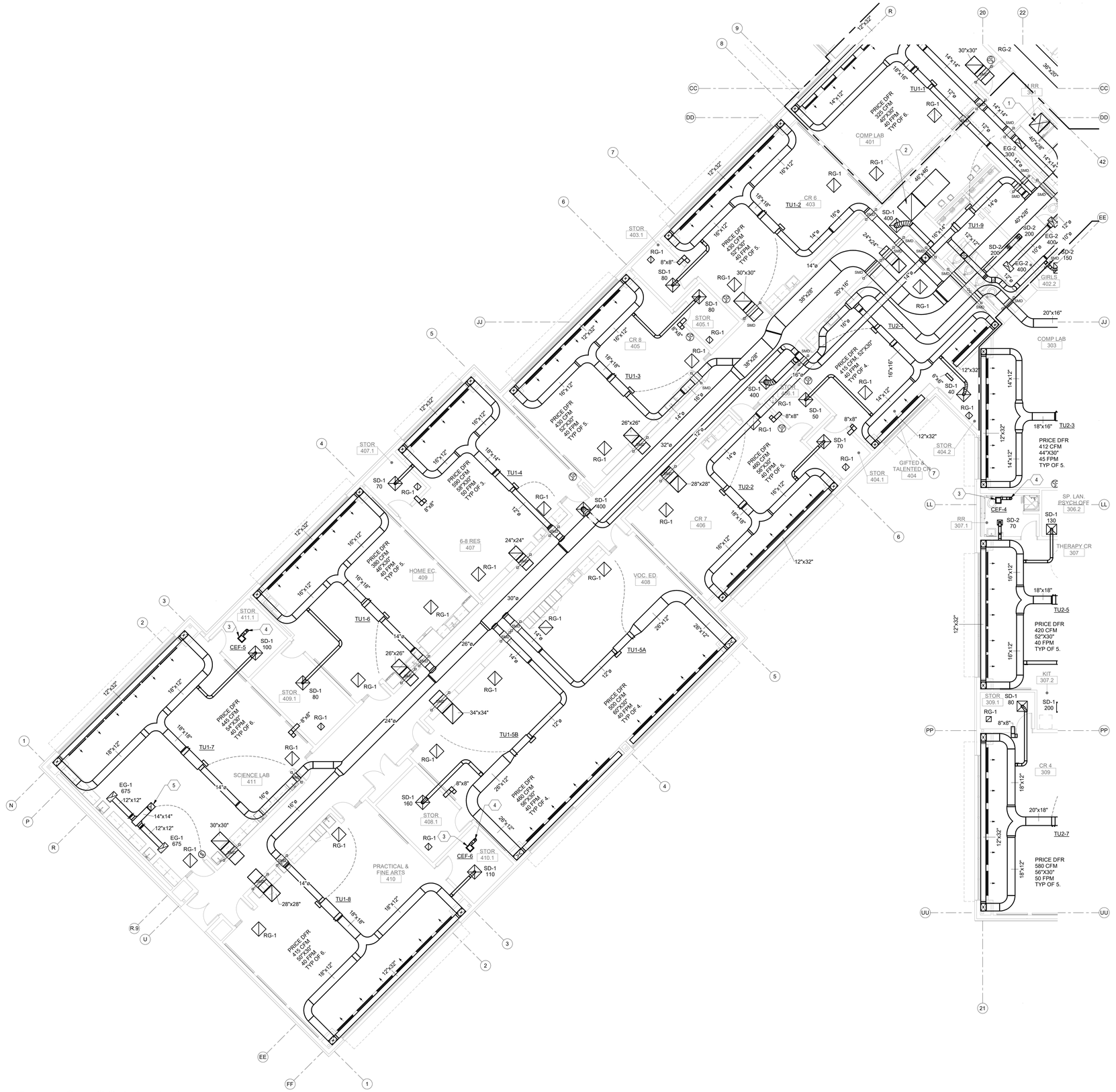
School Information



A1 HVAC FLOOR PLAN D
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-703.

C. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.

D. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

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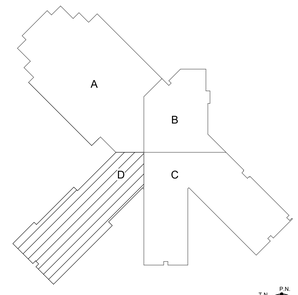
F. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.

G. INSTALL T-STAT ON WALL 48" A.F.F., COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. USE METAL LOCKING COVER IN STUDENT AREAS.

KEYNOTES

1. 40"X28" SUPPLY DUCT UP TO AHU-1 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. LINER IS NOT REQUIRED ON SA DUCT.
2. 46"X46" RETURN DUCT UP TO AHU-1 IN PENTHOUSE. SEE SHEET M-402 FOR CONTINUATION. PROVIDE 1" LINER ON THE RA DUCT.
3. PROVIDE CEILING MOUNTED EXHAUST FAN. SUPPORT FAN FROM STRUCTURE WITH 1" x 18 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
4. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.
5. 14"X14" EXHAUST DUCT UP TO EF-8 ON THE ROOF.



KEY PLAN N.T.S.

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Dzilth-Na-O-Dith-Hle - New School

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

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ISSUE:	
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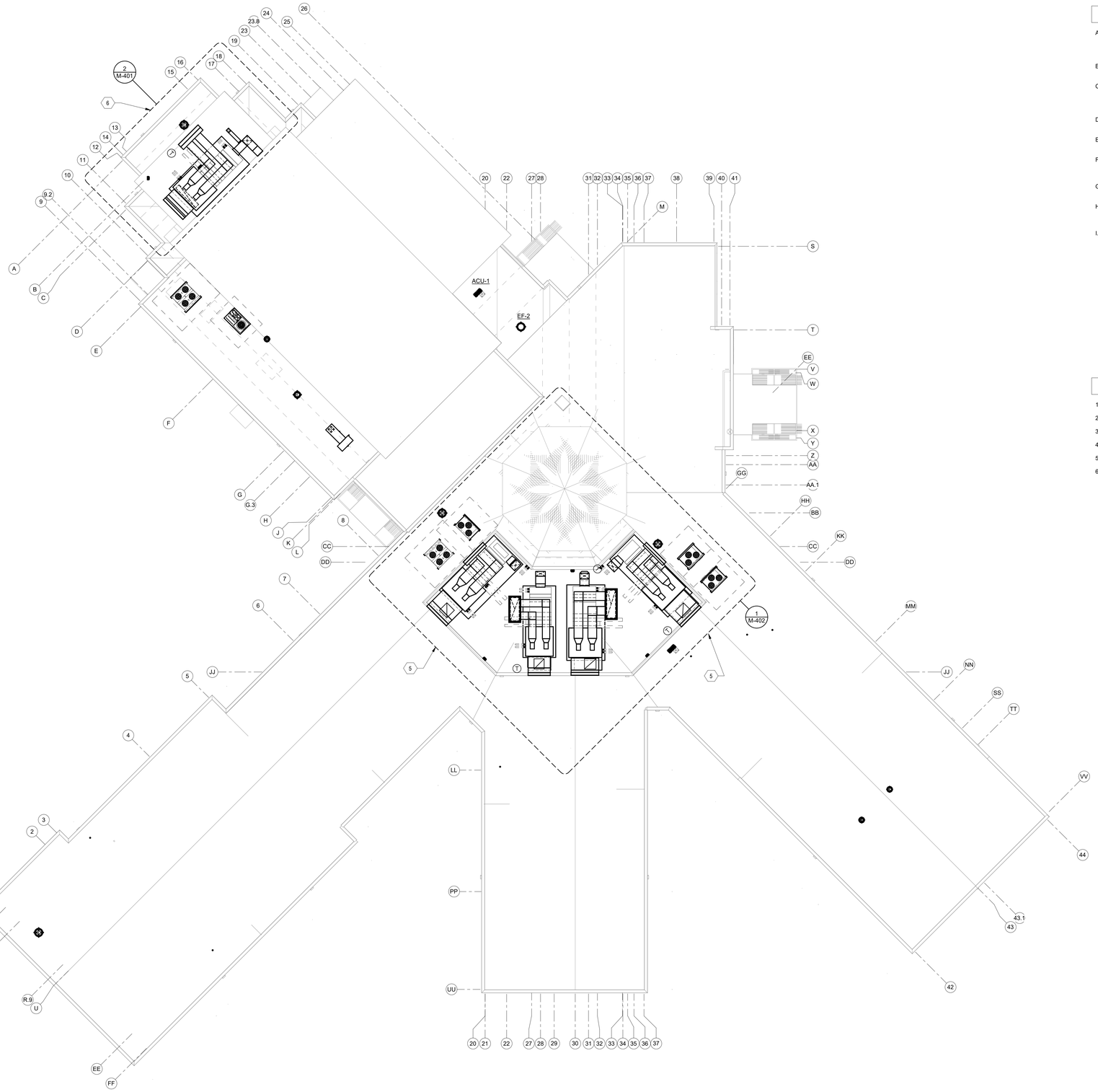
SHEET TITLE

HVAC FLOOR PLAN D

MH-101D

Bridges & Paxton Project No: 8226 10/1/2020 4:06:16 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_navid2003zh.rvt

School Information



A1 MECHANICAL ROOF PLAN
1/16" = 1'-0"

0' 8' 16' 32'

GENERAL NOTES

A. SUPPLY AND RETURN AIR DUCTWORK LOCATED OUTSIDE BUILDING AND ABOVE ROOF SHALL BE INSULATED WITH 2" TYPE D-8 INSULATION AND JACKETED WITH TYPE J-1 METAL JACKETING. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

C. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, THE CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.

D. ALL LOW VOLTAGE WIRING (LESS THAN 50 VOLTS) SHALL BE PROVIDED DIV. 23. ALL WIRING (GREATER THAN 50 VOLTS) SHALL BE PROVIDED BY DIV. 26 OR OTHER WHERE NOTED.

E. MAINTAIN MINIMUM 10 FT CLEARANCE BETWEEN PLUMBING VENTS, EXHAUST FANS AND OUTSIDE AIR INTAKES.

F. COORDINATE DUCT PENETRATIONS THROUGH ROOF WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE BETWEEN STRUCTURAL BEAMS AND JOISTS.

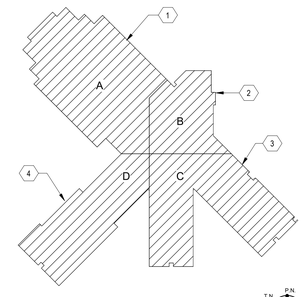
G. COORDINATE INSTALLATION OF HVAC EQUIPMENT WITH ELECTRICAL AND PLUMBING DISCIPLINES.

H. All AIR HANDLING UNITS AND CONDENSING UNITS SHALL BE INSTALLED TO MANUFACTURER'S SHOP DRAWING AND APPROPRIATE DETAILS.

I. ALL AHUs & CUs SHALL BE LABELED WITH 2" HIGH STENCIL LETTERS IN BLACK PAINT AND SHALL INCLUDE UNIT NUMBER.

KEYNOTES

1. SEE SHEET MH131A FOR ENLARGED HVAC ROOF PLAN IN AREA A.
2. SEE SHEET MH131B FOR ENLARGED HVAC ROOF PLAN IN AREA B.
3. SEE SHEET MH131C FOR ENLARGED HVAC ROOF PLAN IN AREA C.
4. SEE SHEET MH131D FOR ENLARGED HVAC ROOF PLAN IN AREA D.
5. SEE SHEET M-402 FOR PENTHOUSE ENLARGED PLAN.
6. SEE SHEET M-401 FOR PENTHOUSE ENLARGED PLAN.



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MECHANICAL ROOF PLAN

MH-131

Dzilth-Na-O-Dith-Hle - New School

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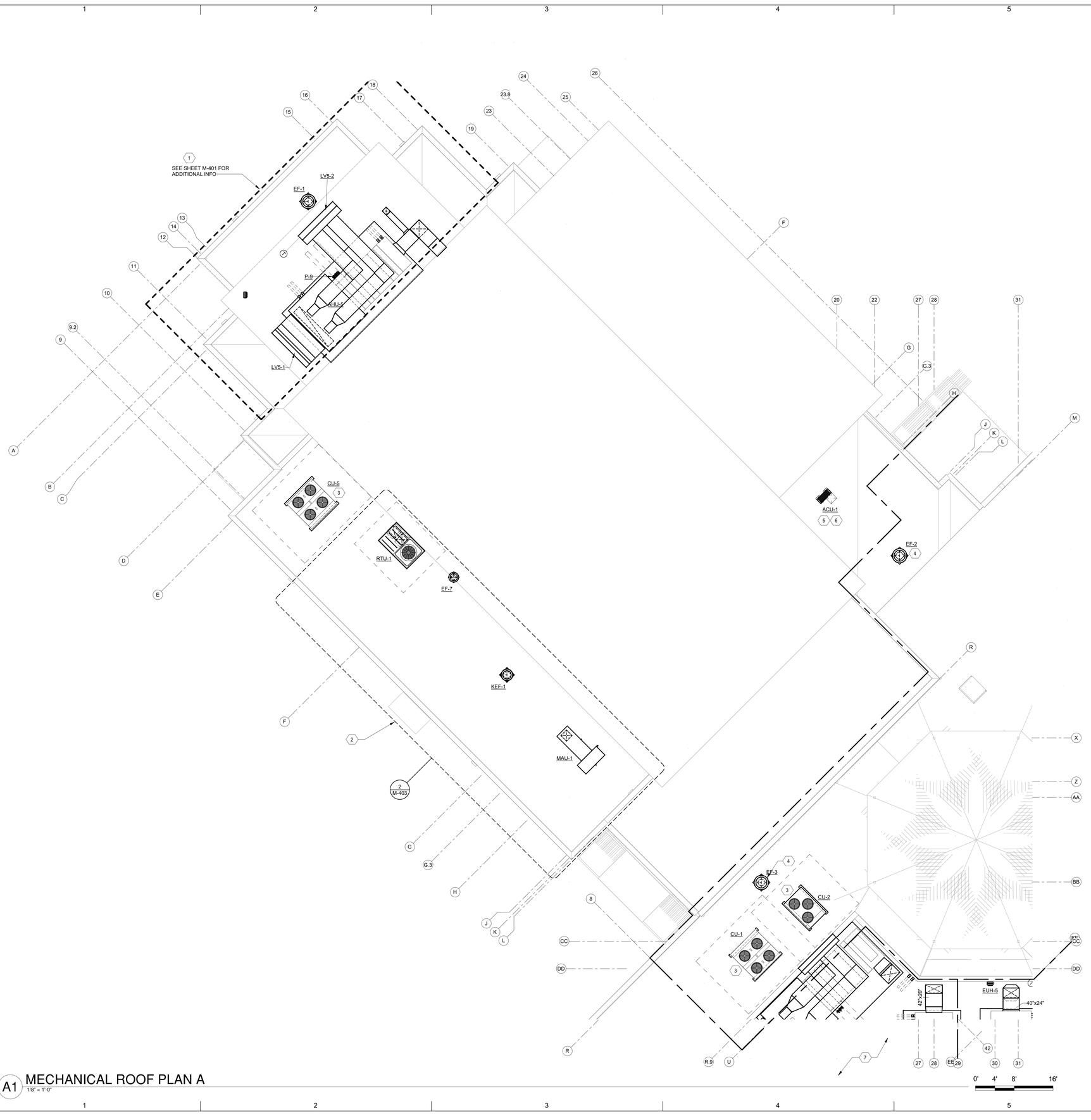
Bridgers & Paxton Project No. 8226

School Information



A1 MECHANICAL ROOF PLAN A
1/8" = 1'-0"

GENERAL NOTES

A. SUPPLY AND RETURN AIR DUCTWORK LOCATED OUTSIDE BUILDING AND ABOVE ROOF SHALL BE INSULATED WITH 2" TYPE D-8 INSULATION AND JACKETED WITH TYPE J-1 METAL JACKETING. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

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E. MAINTAIN MINIMUM 10 FT CLEARANCE BETWEEN PLUMBING VENTS, EXHAUST FANS AND OUTSIDE AIR INTAKES.

F. COORDINATE DUCT PENETRATIONS THROUGH ROOF WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE BETWEEN STRUCTURAL BEAMS AND JOISTS.

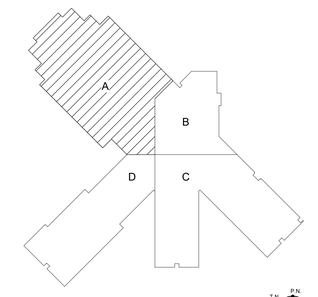
G. COORDINATE INSTALLATION OF HVAC EQUIPMENT WITH ELECTRICAL AND PLUMBING DISCIPLINES.

H. All AIR HANDLING UNITS AND CONDENSING UNITS SHALL BE INSTALLED TO MANUFACTURER'S SHOP DRAWING AND APPROPRIATE DETAILS.

I. ALL AHUs & CUs SHALL BE LABELED WITH 2" HIGH STENCIL LETTERS IN BLACK PAINT AND SHALL INCLUDE UNIT NUMBER.

KEYNOTES

1. SEE SHEET M-401 FOR PENTHOUSE ENLARGED PLAN.
2. SEE SHEET M-403 FOR KITCHEN ENLARGED PLAN.
3. INSTALL AIR COOLED CONDENSING UNIT ON THYBAR CURB, TEMS-3. SEE MECH SCHEDULE (M-701) FOR ADDITIONAL INFO.
4. INSTALL ROOF MOUNTED EXHAUST FAN ON 14" TALL ROOF CURB. PROVIDE BACKDRAFT DAMPER TRAY AND DAMPER INSIDE ROOF CURB. INSTALL EXHAUST FAN LEVEL. PROVIDE DUCT TRANSITION FROM OPENING TO DUCT SIZE SHOWN ON PLAN. TRANSITION DUCT IN CURB AND EXTEND DUCT DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO DETAIL 3/M-501 AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
5. INSTALL AND ANCHOR CONDENSING UNIT ON TWO ROOF SKIDS WITH RAILS INSIDE ROOF CURB. PIPING ABOVE ROOF SHALL BE INDIVIDUALLY INSULATED WITH FIBERGLASS WRAP, TAPED AT 1FT INTERVALS AND ALUMINUM JACKETED. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, THE CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.
6. REFRIGERATION PIPING AND ELECTRICAL CONDUIT FOR CONDENSING UNIT SHALL PENETRATE ROOF THROUGH VAULT PER DETAIL 10/M-502.
7. SEE SHEET M-402 FOR PENTHOUSE ENLARGED PLAN.



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MECHANICAL ROOF PLAN A

MH-131A

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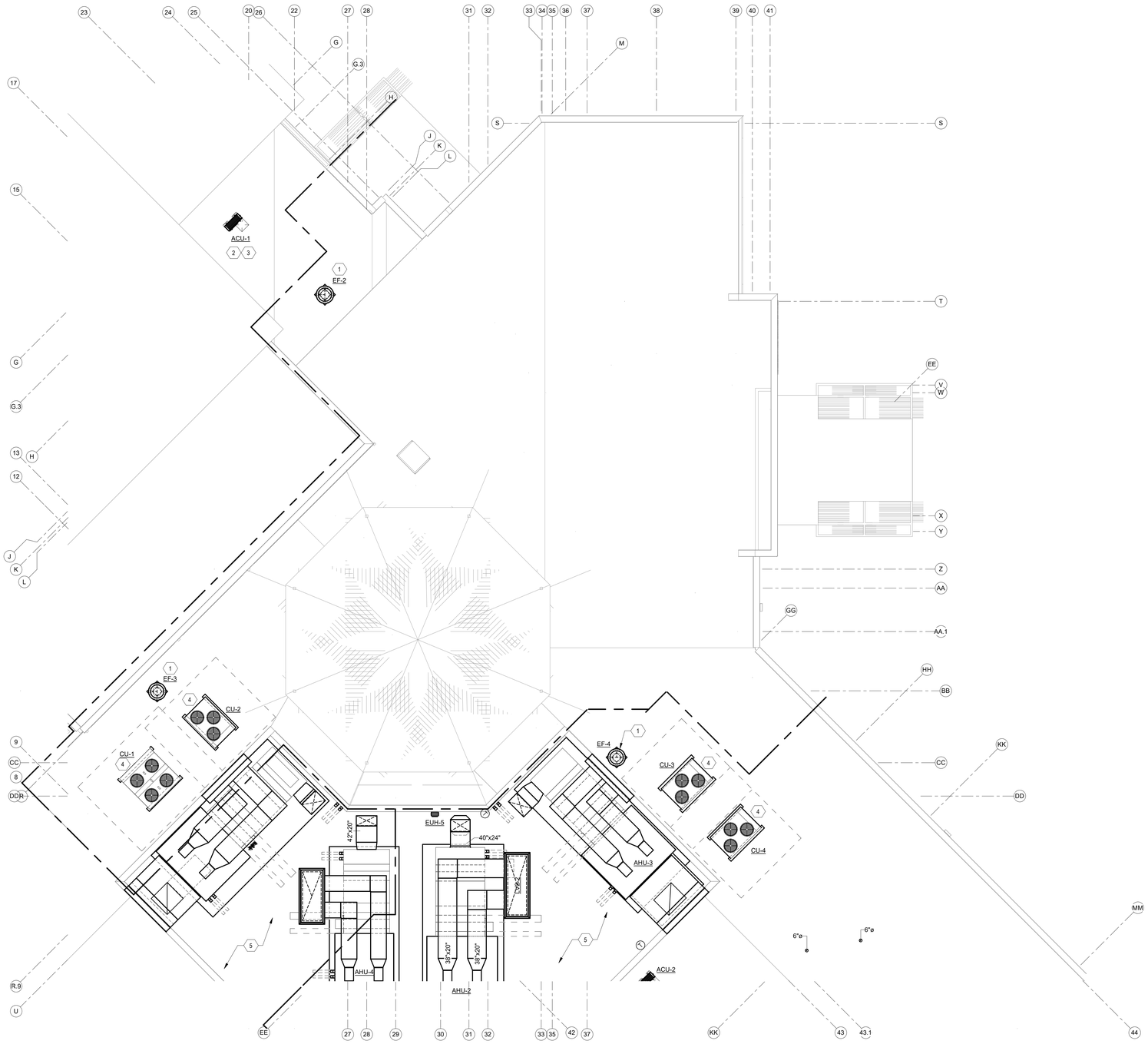
Bridgers & Paxton Project No: 8226
School Information



A1 MECHANICAL ROOF PLAN B

1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. SUPPLY AND RETURN AIR DUCTWORK LOCATED OUTSIDE BUILDING AND ABOVE ROOF SHALL BE INSULATED WITH 2" TYPE D-8 INSULATION AND JACKETED WITH TYPE J-1 METAL JACKETING. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.

B. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.

C. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, THE CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.

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E. MAINTAIN MINIMUM 10 FT CLEARANCE BETWEEN PLUMBING VENTS, EXHAUST FANS AND OUTSIDE AIR INTAKES.

F. COORDINATE DUCT PENETRATIONS THROUGH ROOF WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE BETWEEN STRUCTURAL BEAMS AND JOISTS.

G. COORDINATE INSTALLATION OF HVAC EQUIPMENT WITH ELECTRICAL AND PLUMBING DISCIPLINES.

H. All AIR HANDLING UNITS AND CONDENSING UNITS SHALL BE INSTALLED TO MANUFACTURER'S SHOP DRAWING AND APPROPRIATE DETAILS.

I. ALL AHUs & CUs SHALL BE LABELED WITH 2" HIGH STENCIL LETTERS IN BLACK PAINT AND SHALL INCLUDE UNIT NUMBER.

KEYNOTES

1. INSTALL ROOF MOUNTED EXHAUST FAN ON 14" TALL ROOF CURB. PROVIDE BACKDRAFT DAMPER TRAY AND DAMPER INSIDE ROOF CURB. INSTALL EXHAUST FAN LEVEL. PROVIDE DUCT TRANSITION FROM OPENING TO DUCT SIZE SHOWN ON PLAN. TRANSITION DUCT IN CURB AND EXTEND DUCT DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO DETAIL 3/M-501 AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
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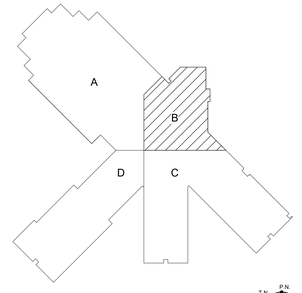
5. SEE SHEET M-402 FOR PENTHOUSE ENLARGED PLAN.



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MECHANICAL ROOF PLAN B

MH-131B

School Information

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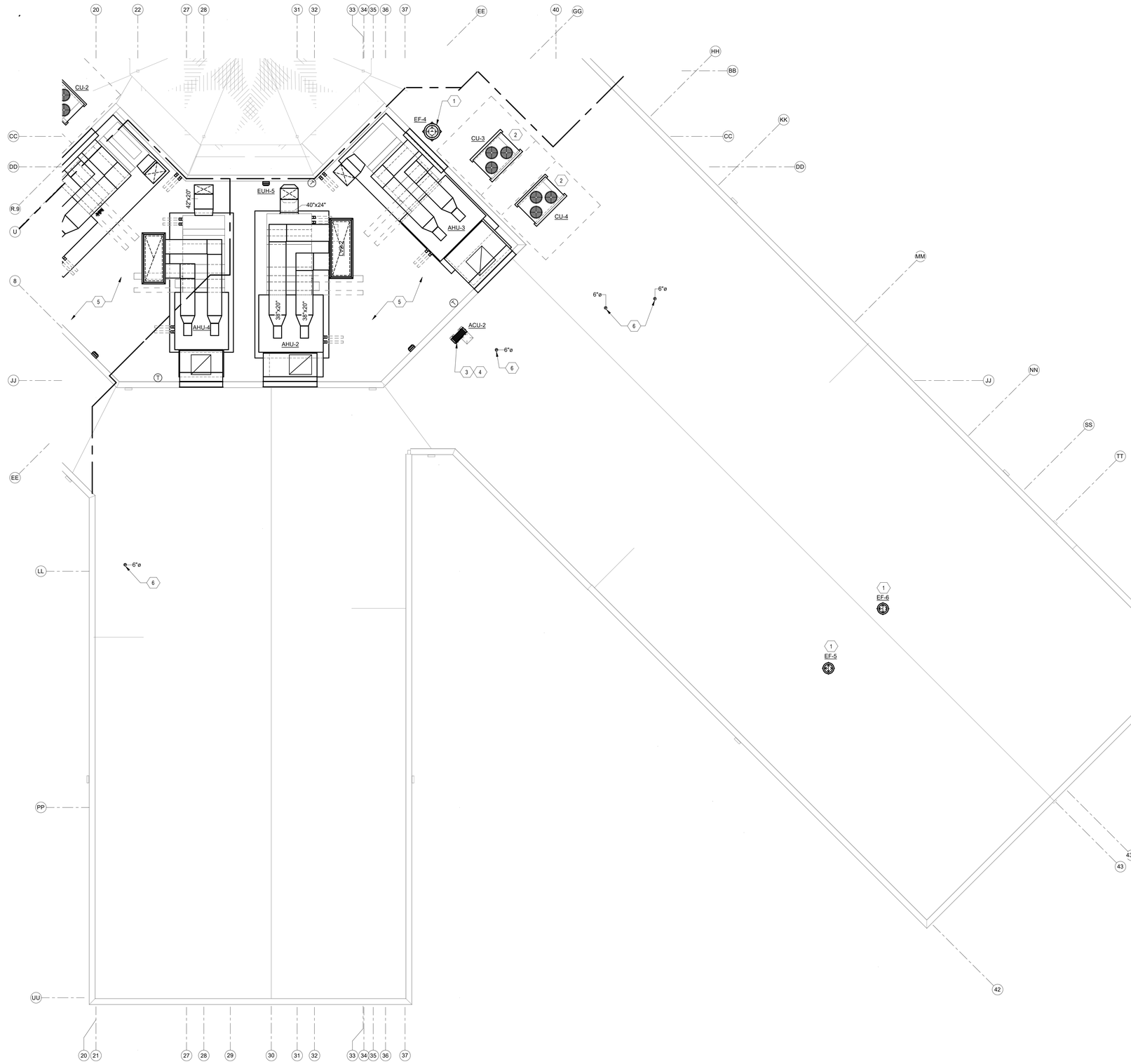

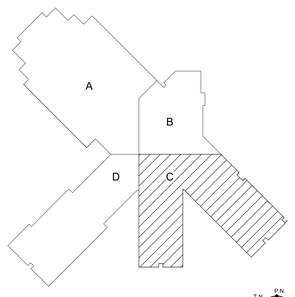

KEY PLAN N.T.S.

GENERAL NOTES

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5. SEE SHEET M-402 FOR PENTHOUSE ENLARGED PLAN.
6. 6" DIA EXHAUST DUCT FROM CEILING FAN IN THE FIRST FLOOR.

A1 MECHANICAL ROOF PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

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MECHANICAL ROOF PLAN C

MH-131C

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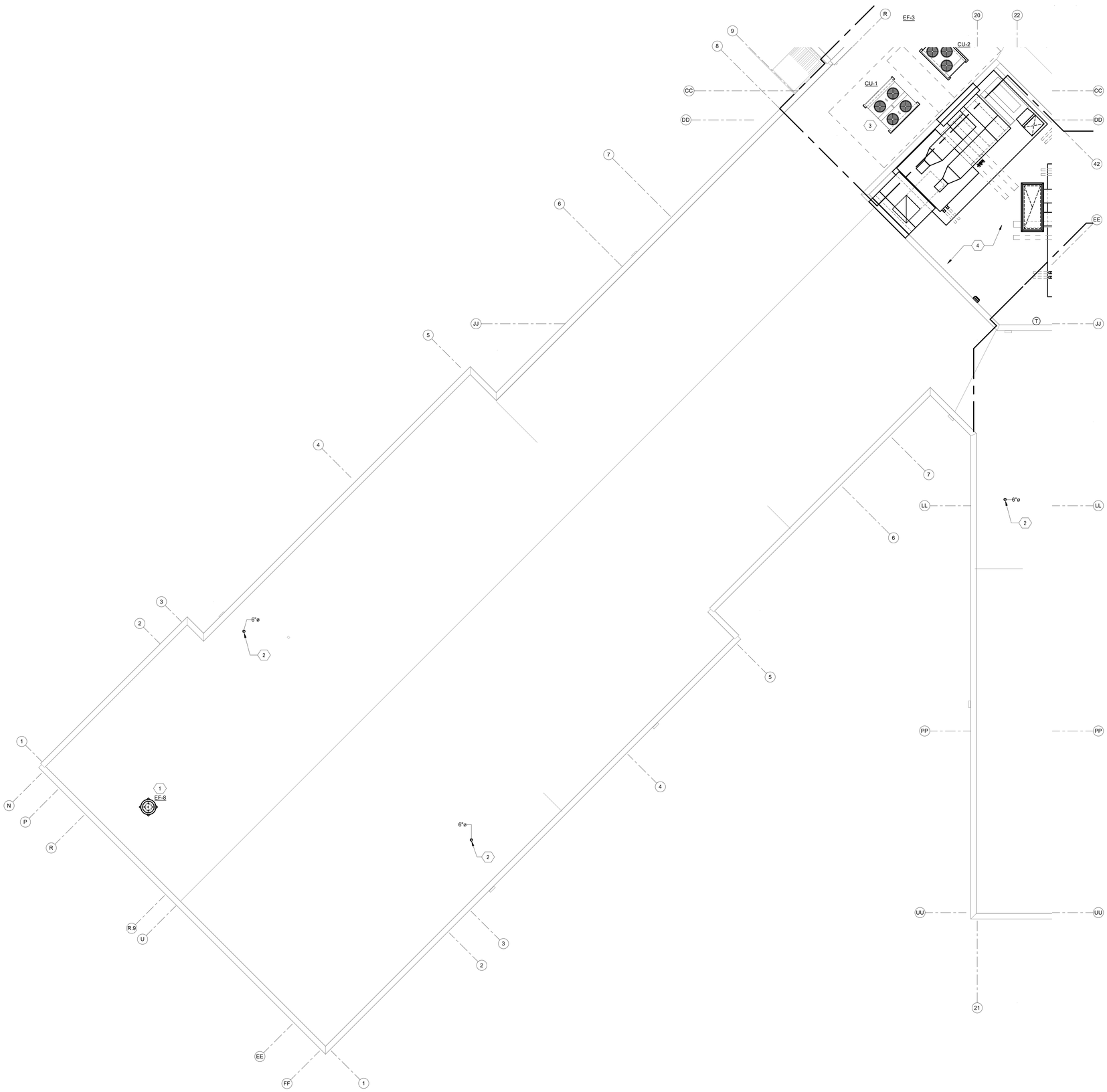

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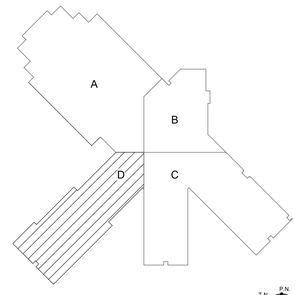

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MECHANICAL ROOF PLAN D

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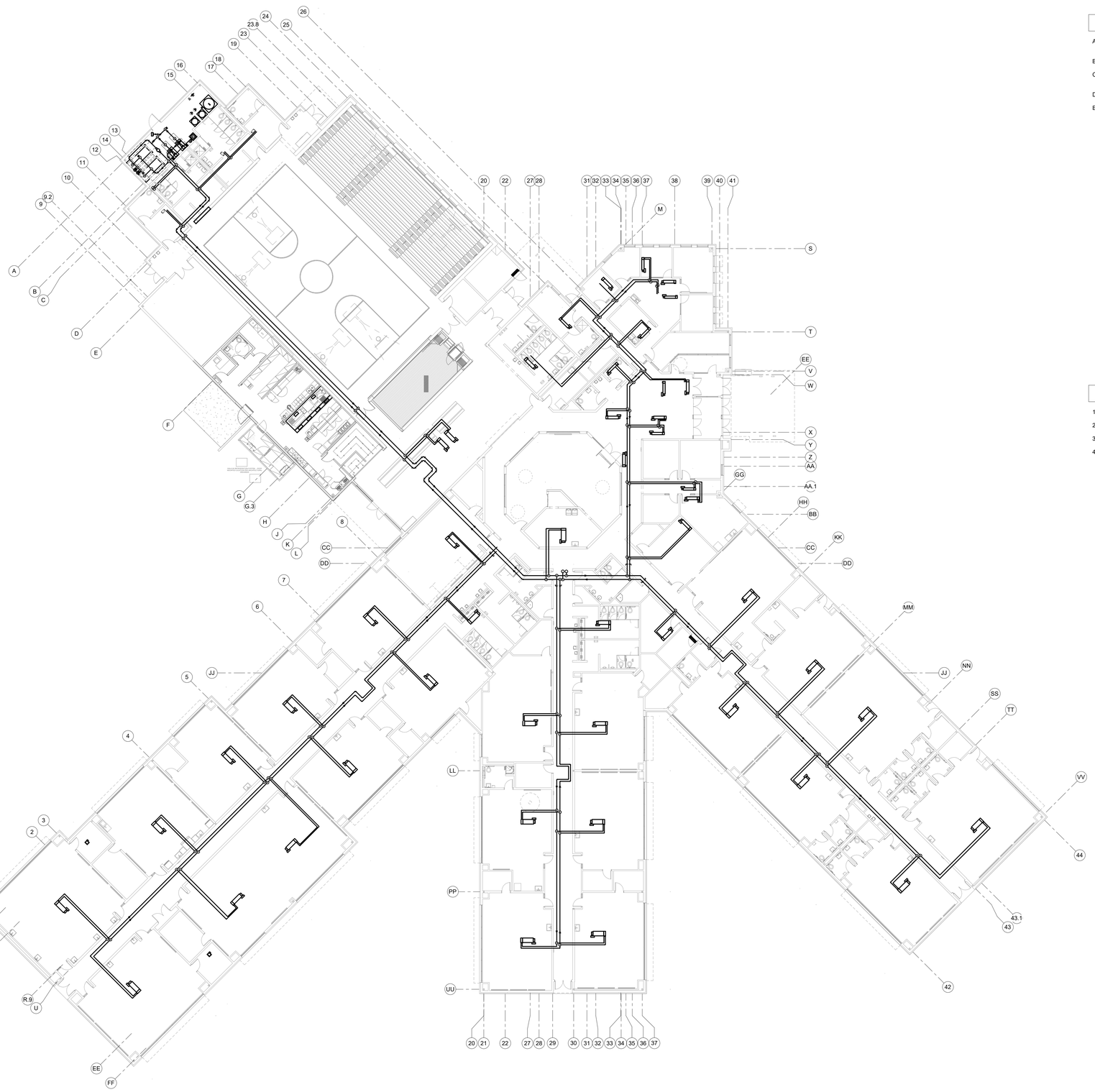

GENERAL NOTES

A. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HOT WATER SYSTEM.

B. PROVIDE DRAINS AT ALL LOW POINTS IN HOT WATER SYSTEM.

C. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR CONTROL VALVE REQUIREMENTS.

D. SEE PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.

E. PROVIDE 2-WAY CONTROL VALVE FOR ALL HOT WATER REHEAT COIL AT TERMINAL UNITS UNLESS OTHERWISE NOTED ON DRAWINGS. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (2-WAY VALVE) DETAIL 10/M-503 FOR PIPING CONFIGURATION.

KEYNOTES

1. SEE SHEET MH101A FOR MECH PIPING FLOOR PLAN IN AREA A.
2. SEE SHEET MH101B FOR MECH PIPING FLOOR PLAN IN AREA B.
3. SEE SHEET MH101C FOR MECH PIPING FLOOR PLAN IN AREA C.
4. SEE SHEET MH101D FOR MECH PIPING FLOOR PLAN IN AREA D.

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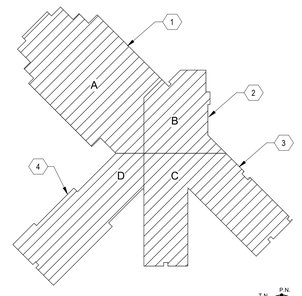

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Dzilth-Na-O-Dith-Hle - New School

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

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SHEET TITLE

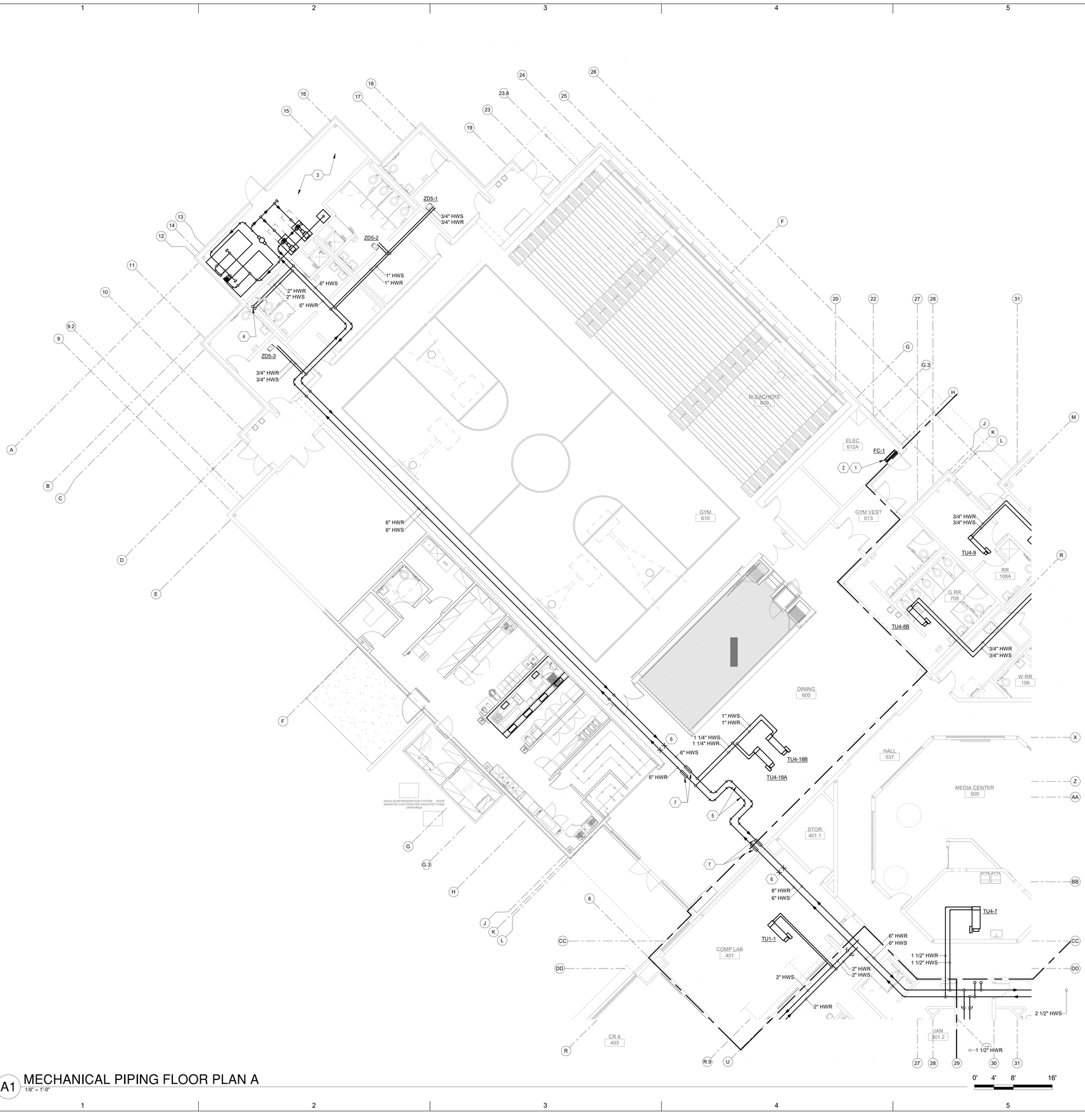
MECHANICAL PIPING FLOOR PLAN

MP-101

Dzilth-Na-O-Dith-Hle - New School

Bridgers & Paxton Project No: 8226 10/1/2020 4:12:10 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_nasvl20003zh.rvt

School Information



A1 MECHANICAL PIPING FLOOR PLAN A

1/8" = 1'-0"

GENERAL NOTES

A. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HOT WATER SYSTEM.

B. PROVIDE DRAINS AT ALL LOW POINTS IN HOT WATER SYSTEM.

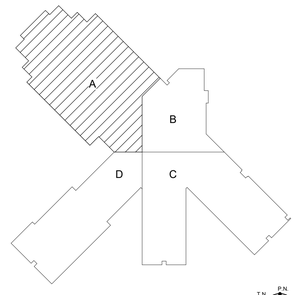
C. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR CONTROL VALVE REQUIREMENTS.

D. SEE PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.

E. PROVIDE 2-WAY CONTROL VALVE FOR ALL HOT WATER REHEAT COIL AT TERMINAL UNITS. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (2-WAY VALVE) DETAIL X/M50X FOR PIPING CONFIGURATION.

KEYNOTES

1. ROUTE REFRIGERANT SUCTION AND LIQUID LINES FROM FAN COIL UNIT UP TO CONDENSING UNIT ON THE ROOF. REFER TO SPLIT SYSTEM SCHEDULE ON SHEET M-702 FOR REFRIGERANT PIPE SIZES. REFER TO PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.
2. INDOOR FAN COIL UNIT FURNISHED WITH CONDENSATE PUMP. REFER TO PLUMBING SHEETS FOR ROUTING OF CONDENSATE PIPING.
3. SEE SHEET M-401 FOR ENLARGED MECHANICAL PLAN.
4. 2" HWS & HWR PIPING UP TO AHU-5 IN THE PENTHOUSE.
5. PROVIDE (X FT X X FT MIN DIMENSIONS) U-BEND FOR THERMAL EXPANSION IN 6" HWS/R PIPING AT THIS LOCATION.
6. ANCHOR 6" HWS/R PIPE AT THIS LOCATION.
7. PROVIDE ROLLER GUIDES AT EACH SIDE OF U-BEND. SPACE ROLLER GUIDE MIN X FT FROM EACH SIDE OF U-BEND.



KEY PLAN

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MECHANICAL PIPING FLOOR PLAN A

MP-101A

Bridgers & Paxton Project No: 8226
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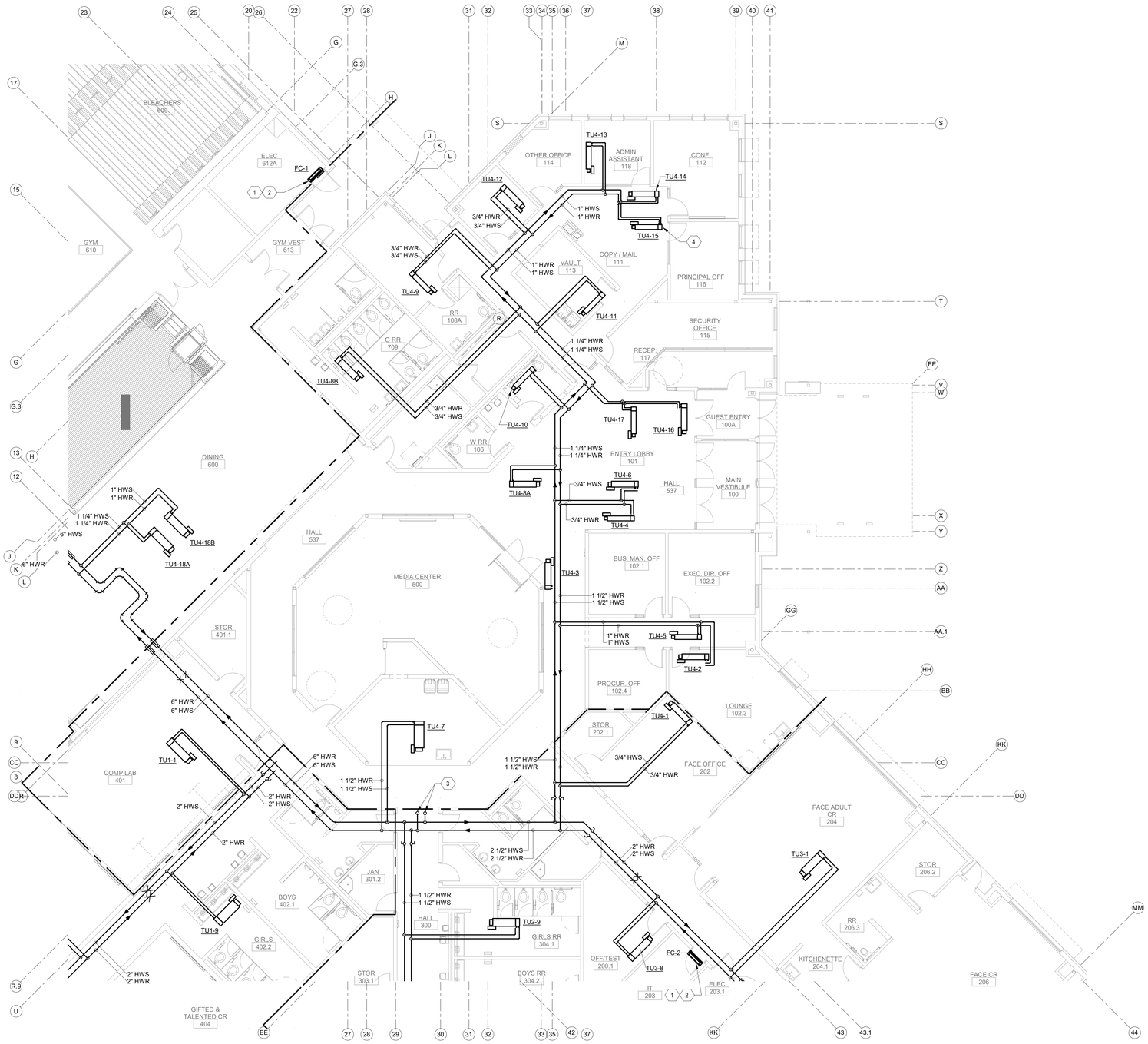
School Information



A1 MECHANICAL PIPING FLOOR PLAN B

1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HOT WATER SYSTEM.

B. PROVIDE DRAINS AT ALL LOW POINTS IN HOT WATER SYSTEM.

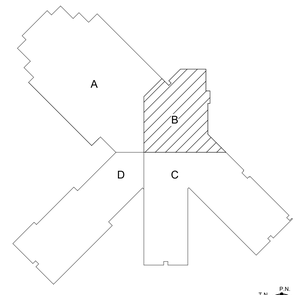
C. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR CONTROL VALVE REQUIREMENTS.

D. SEE PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.

E. PROVIDE 2-WAY CONTROL VALVE FOR ALL HOT WATER REHEAT COIL AT TERMINAL UNITS. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (2-WAY VALVE) DETAIL X/M50X FOR PIPING CONFIGURATION.

KEYNOTES

1. ROUTE REFRIGERANT SUCTION AND LIQUID LINES FROM FAN COIL UNIT UP TO CONDENSING UNIT ON THE ROOF. REFER TO SPLIT SYSTEM SCHEDULE ON SHEET M-702 FOR REFRIGERANT PIPE SIZES. REFER TO PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.
2. INDOOR FAN COIL UNIT FURNISHED WITH CONDENSATE PUMP. REFER TO PLUMBING SHEETS FOR ROUTING OF CONDENSATE PIPING.
3. 4" HWS PIPES TO / FROM PENTHOUSE.
4. PROVIDE 3-WAY CONTROL VALVE FOR HOT WATER REHEAT COIL AT TERMINAL UNIT. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (3-WAY VALVE) DETAIL 5/M-503 FOR PIPING CONFIGURATION.



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MECHANICAL PIPING FLOOR PLAN B

MP-101B

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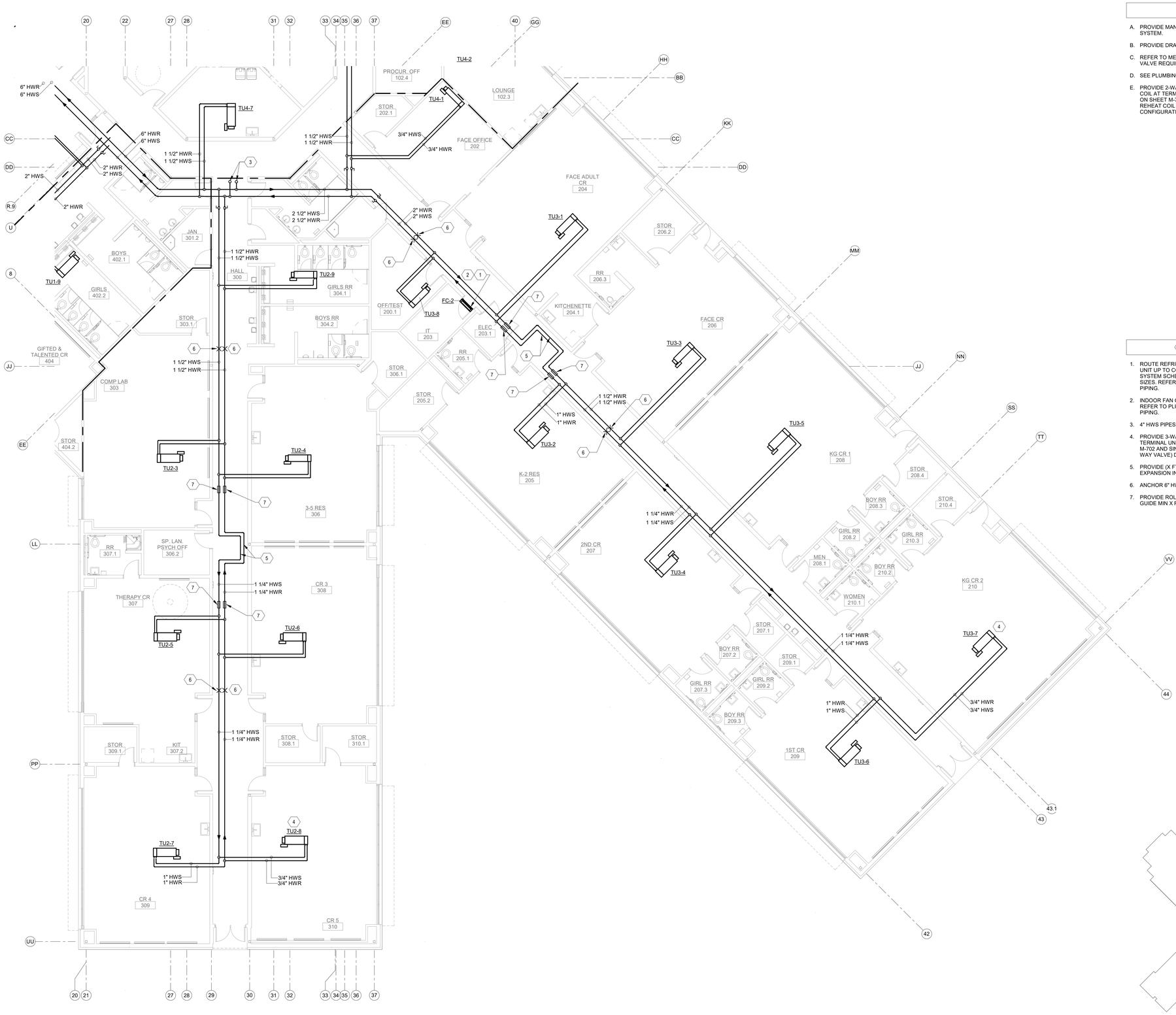
School Information



GENERAL NOTES

A. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HOT WATER SYSTEM.

B. PROVIDE DRAINS AT ALL LOW POINTS IN HOT WATER SYSTEM.

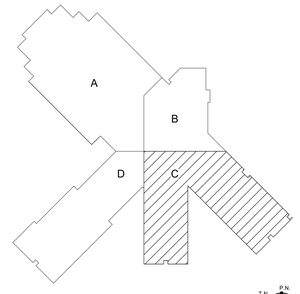
C. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR CONTROL VALVE REQUIREMENTS.

D. SEE PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.

E. PROVIDE 2-WAY CONTROL VALVE FOR ALL HOT WATER REHEAT COIL AT TERMINAL UNITS. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (2-WAY VALVE) DETAIL X/M50X FOR PIPING CONFIGURATION.

KEYNOTES

1. ROUTE REFRIGERANT SUCTION AND LIQUID LINES FROM FAN COIL UNIT UP TO CONDENSING UNIT ON THE ROOF. REFER TO SPLIT SYSTEM SCHEDULE ON SHEET M-702 FOR REFRIGERANT PIPE SIZES. REFER TO PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.
2. INDOOR FAN COIL UNIT FURNISHED WITH CONDENSATE PUMP. REFER TO PLUMBING SHEETS FOR ROUTING OF CONDENSATE PIPING.
3. 4" HWS PIPES TO / FROM PENTHOUSE.
4. PROVIDE 3-WAY CONTROL VALVE FOR HOT WATER REHEAT COIL AT TERMINAL UNIT. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (3-WAY VALVE) DETAIL 5/M-503 FOR PIPING CONFIGURATION.
5. PROVIDE (X FT X X FT MIN DIMENSIONS) U-BEND FOR THERMAL EXPANSION IN 6" HWS/R PIPING AT THIS LOCATION.
6. ANCHOR 6" HWS/R PIPE AT THIS LOCATION.
7. PROVIDE ROLLER GUIDES AT EACH SIDE OF U-BEND. SPACE ROLLER GUIDE MIN X FT FROM EACH SIDE OF U-BEND.



KEY PLAN N.T.S.

A1 MECHANICAL PIPING FLOOR PLAN B
1/8" = 1'-0"

0' 4' 8' 16'

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MECHANICAL PIPING FLOOR PLAN C

MP-101C

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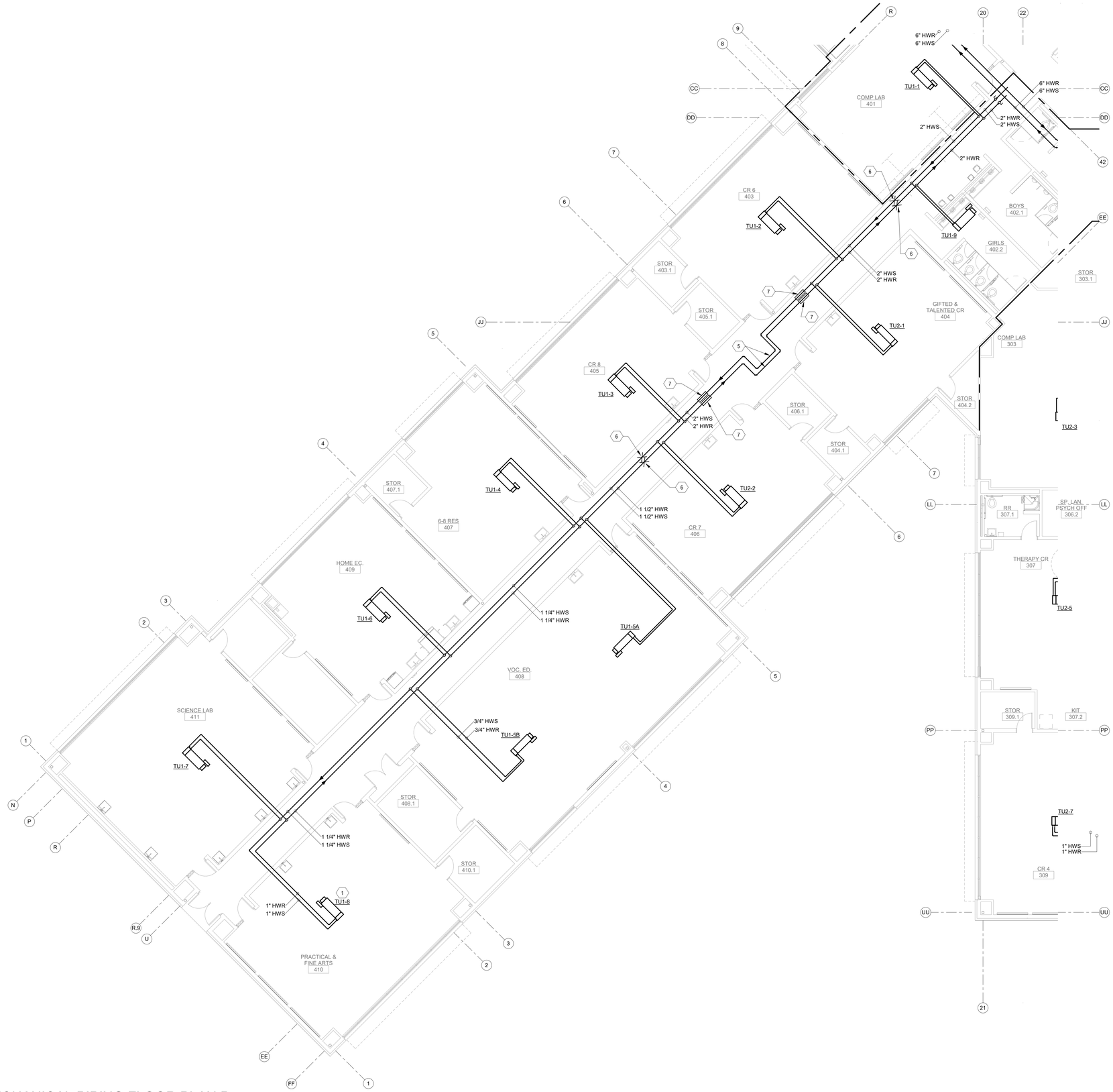
School Information



A1 MECHANICAL PIPING FLOOR PLAN B
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HOT WATER SYSTEM.

B. PROVIDE DRAINS AT ALL LOW POINTS IN HOT WATER SYSTEM.

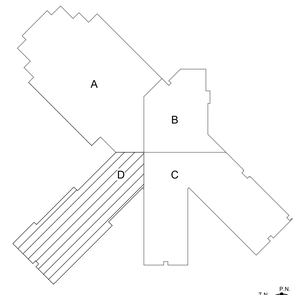
C. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR CONTROL VALVE REQUIREMENTS.

D. SEE PLUMBING SHEETS FOR CONDENSATE DRAIN PIPING.

E. PROVIDE 2-WAY CONTROL VALVE FOR ALL HOT WATER REHEAT COIL AT TERMINAL UNITS. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (2-WAY VALVE) DETAIL X/M50X FOR PIPING CONFIGURATION.

KEYNOTES

1. PROVIDE 3-WAY CONTROL VALVE FOR HOT WATER REHEAT COIL AT TERMINAL UNIT. SEE TERMINAL EQUIPMENT SCHEDULE ON SHEET M-702 AND SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (3-WAY VALVE) DETAIL S/M-503 FOR PIPING CONFIGURATION.
2. PROVIDE (X FT X X FT MIN DIMENSIONS) U-BEND FOR THERMAL EXPANSION IN 6" HWS/R PIPING AT THIS LOCATION.
3. ANCHOR 6" HWS/R PIPE AT THIS LOCATION.
4. PROVIDE ROLLER GUIDES AT EACH SIDE OF U-BEND. SPACE ROLLER GUIDE MIN X FT FROM EACH SIDE OF U-BEND.



KEY PLAN

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MECHANICAL PIPING FLOOR PLAN D

MP-101D

School Information

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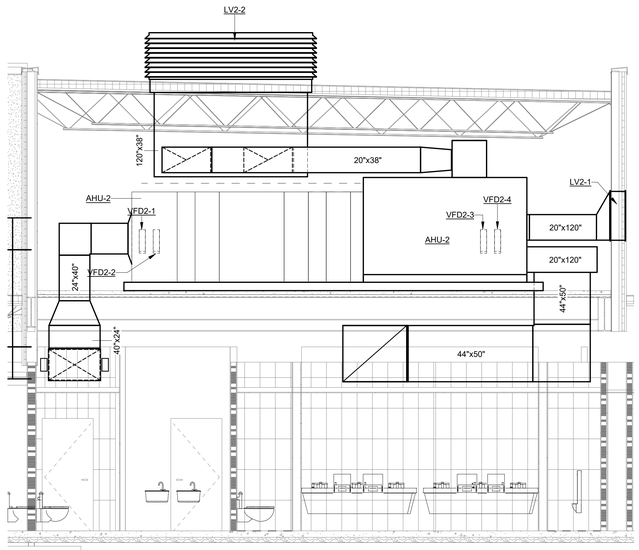
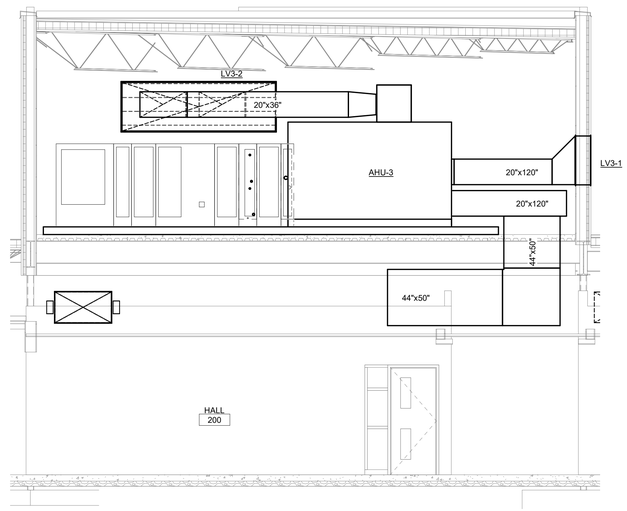
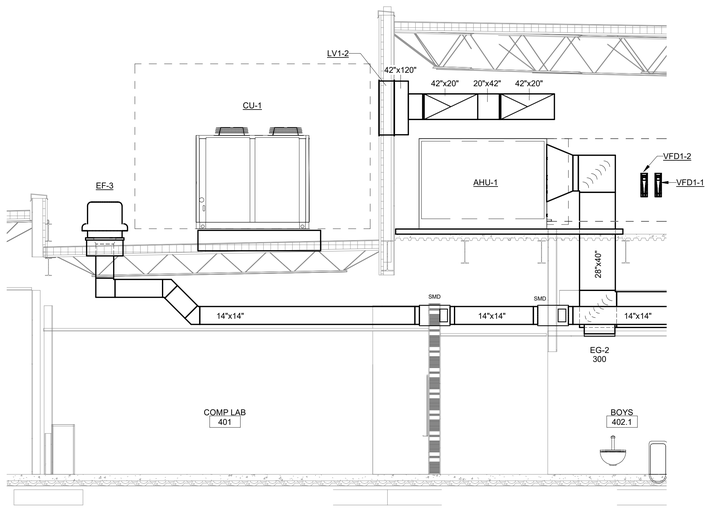


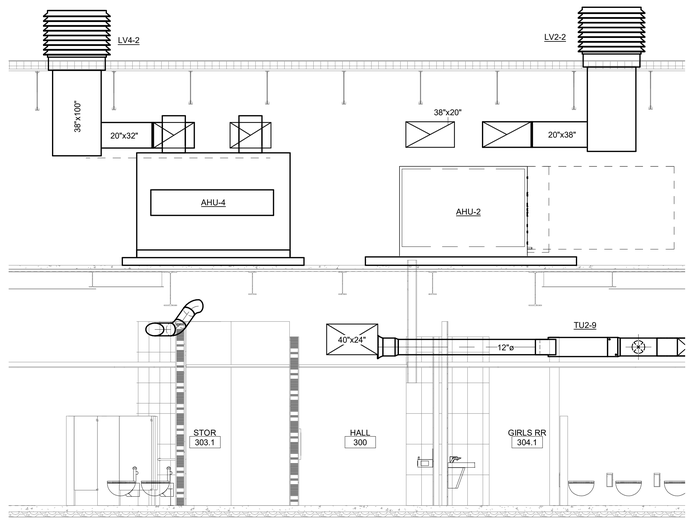
1 MAIN PENTHOUSE - SEC #1
1/4" = 1'-0"



3 MAIN PENTHOUSE - SEC #3
1/4" = 1'-0"



2 MAIN PENTHOUSE - SEC #2
1/4" = 1'-0"



4 MAIN PENTHOUSE - SEC #4
1/4" = 1'-0"

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MECHANICAL SECTIONS

M-301

School Information

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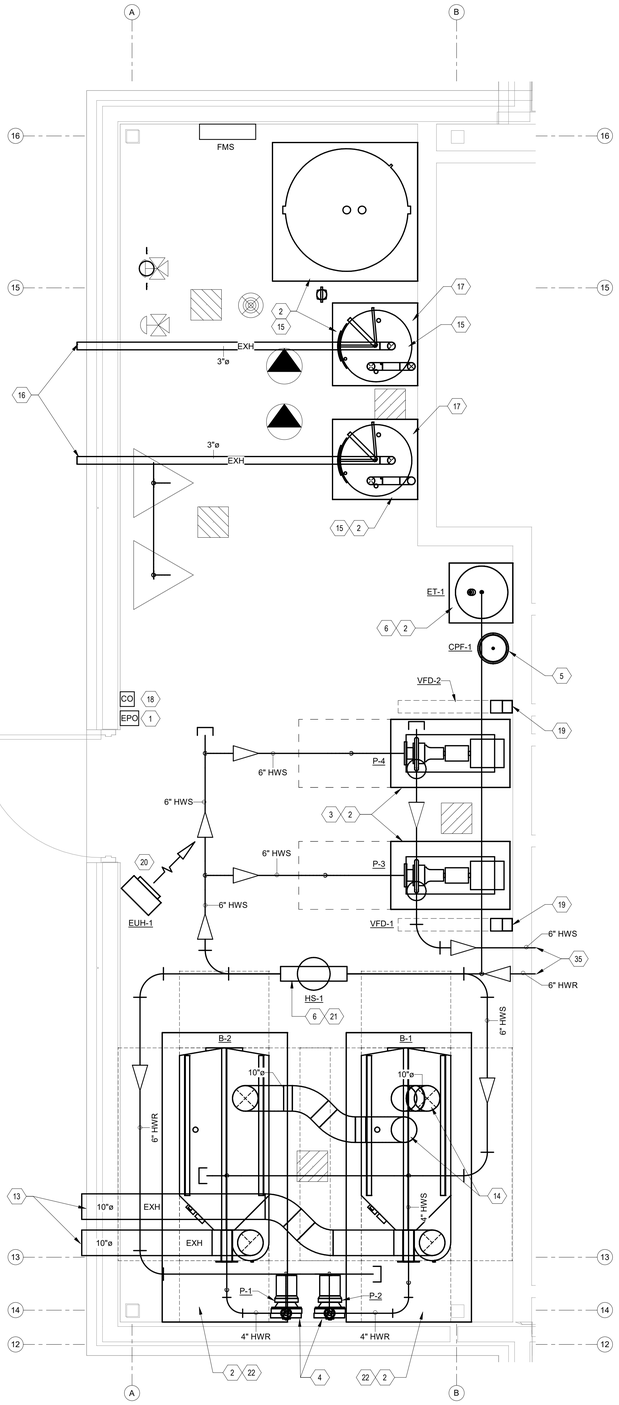
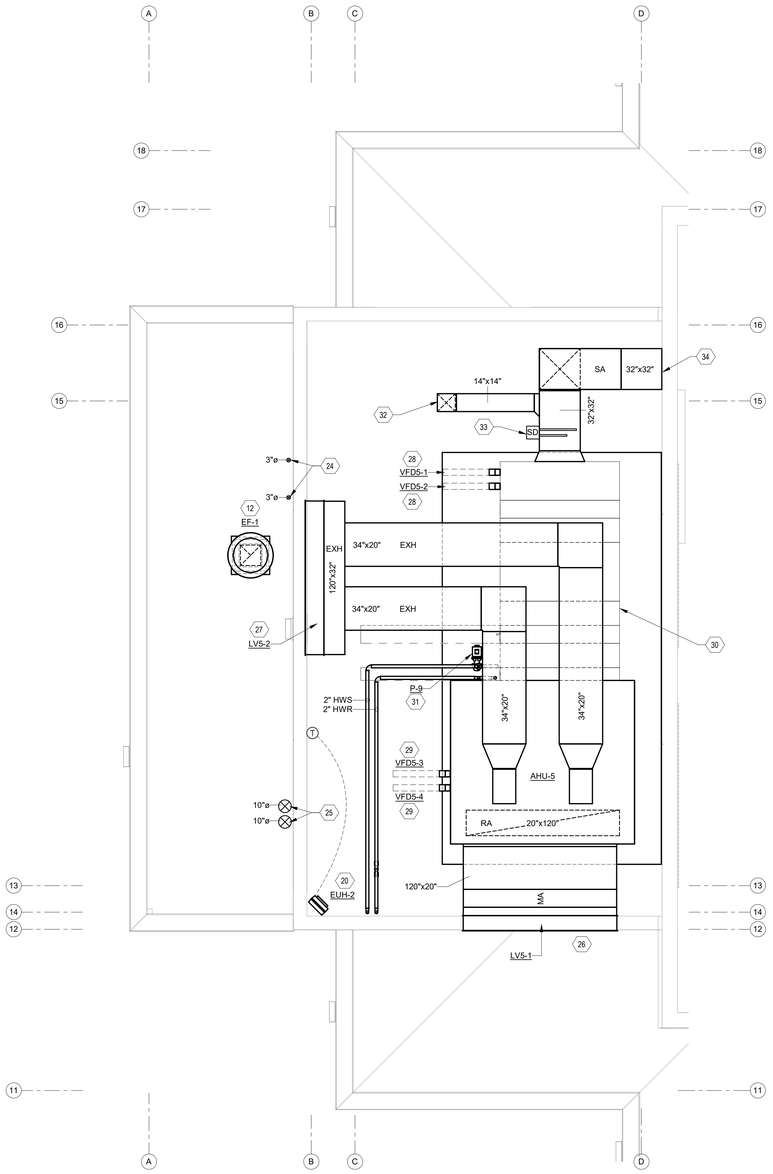


1 ENLARGED MECH ROOM
1/2" = 1'-0"



2 GYM PENTHOUSE - ENLARGED MECH PLAN
1/4" = 1'-0"

KEYNOTES

1. EMERGENCY POWER OFF (EPO) SWITCH REQUIRED AT BOILER EXIST DOOR. COORDINATE WITH DIV. 26. THE EPO SWITCH SHALL DISCONNECT LINE VOLTAGE POWER TO BOILERS. SEE M-701 FOR BOILER INFORMATION.
2. PROVIDE 4" HOUSEKEEPING PAD BELOW EQUIPMENT.
3. ANCHOR SECONDARY (BLDG LOOP) HOT WATER PUMP TO HOUSEKEEPING PAD.
4. PRIMARY HOT WATER PUMP (P-1 & P-2) INSTALLED IN VERTICAL SECTION OF HOT WATER RETURN PIPING.
5. CHEMICAL POT FEEDER PIPE ACROSS HWS & HWR PIPING OF SYSTEM. REFER TO DETAIL 11/M-503 AND SHEET M-601 & M-703.
6. EXPANSION TANK AND HYDRAULIC SEPARATOR INSTALLED AT LOWEST PRESSURE POINT IN SYSTEM. EXPANSION TANK SHALL BE PRECHARGED WITH 17.3 PSIG AIR PRESSURE (ADJUSTABLE). CONNECT MAKEUP WATER PIPING AND EXPANSION PIPING TO HOT WATER SUPPLY AT THIS LOCATION. REFER TO HEATING WATER PIPING SCHEMATIC ON SHEET M-601. REFER TO PLUMBING SHEETS FOR MAKEUP WATER AND ASSOCIATED REDUCED PRESSURE BACKFLOW PREVENTER.
7. VARIABLE FREQUENCY DRIVES FOR SECONDARY HW PUMPS (P-3 & P-4). REFER TO M-702 FOR ADDITIONAL INFO.
8. PROVIDE NEW AIR SEPARATOR AT THIS APPROX LOCATION. PROVIDE AUTOMATIC AIR VENT AT TOP OF AIR SEPARATOR. SEE PIPING SCHEMATIC M-601.
9. PROVIDE DRAIN IN BOTTOM OF FLUE RISER. PIPE DRAIN TO ACID NEUTRALIZATION BOX AND THEN FLOOR DRAIN.
10. INSTALL EACH PUMP ON INERTIA BASE. SEE DETAIL C4/M-503.
11. 6" DIA. FLUE AND 6" DIA COMBUSTION AIR UP THROUGH THE ROOF. PROVIDE CAT IV AL29-4C VENTING PER MANUFACTURERS REQUIREMENTS FOR MATERIAL & INSTALLATION.
12. PROVIDE A/C UNIT WITH WALL MOUNTED T-STAT. INSTALL UNIT LEVEL ON WALL ABOVE DOOR FOR PROPER CONDENSATE DRAINAGE. DRAIN SIZED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE CONDENSATE DRAIN WITH PLUMBING CONTRACTOR. PROVIDE LIQUID AND VAPOR PIPING. SIZE PIPING, TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO COORDINATE SHORTEST CONCEALED ROUTING TO ASSOCIATED REMOTE CONDENSING UNIT. PROVIDE ALL VALVES AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO DETAILS AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
13. EXTEND 10" DIA STAINLESS FLUE TO EXTERIOR WALL. INSTALL PER MANUFACTURER'S INSTRUCTION. TERMINATE WITH MANUFACTURERS APPROVED VENT CAP.
14. 10" DIA COMBUSTION AIR DUCT UP THROUGH ROOF. TERMINATE WITH GOOSENECK.
15. SEE PLUMBING DRAWINGS FOR DOMESTIC WATER HEATER INFO. COORDINATE VENTING AND PIPING INSTALLATION WITH OTHER TRADES.
16. EXTEND 3" DIA STAINLESS FLUE TO EXTERIOR WALL. INSTALL PER MANUFACTURER'S INSTRUCTION. TERMINATE WITH MANUFACTURERS APPROVED VENT CAP.
17. 3" DIA COMBUSTION AIR DUCT UP THROUGH ROOF. TERMINATE WITH GOOSENECK.
18. CARBON MONOXIDE SENSOR WITH CO PPM LEVEL DISPLAY, ALARM BUZZER, ALARM CONTACTS, AND 4-20 mA OUTPUT. MOUNT SENSOR ON WALL APPROXIMATELY 48" AFF. CONNECT TO NEAREST DDC CONTROLLER. SENSOR SHALL PROVIDE CO LEVEL AND ALARM TO FMS SYSTEM. MACURCO MODEL CM-6 OR EQUAL.
19. VARIABLE FREQUENCY DRIVES FOR SECONDARY HW PUMPS (P-3 & P-4). REFER TO M-702 FOR ADDITIONAL INFO.
20. MOUNT ELEC UNIT HEATER AT 8'-0" AFF. SET THERMOSTAT TO ENERGIZE HEATER AT 60F (ADJUSTABLE).
21. PROVIDE HYDRAULIC SEPARATOR (HS-1) IN HWR PIPING AT THIS APPROX LOCATION. PROVIDE AUTOMATIC AIR VENT AT TOP OF AIR SEPARATOR. SEE PIPING SCHEMATIC M-601.
22. PROVIDE DRAIN IN BOTTOM OF FLUE RISER. PIPE DRAIN TO ACID NEUTRALIZATION BOX AND THEN FLOOR DRAIN.
23. INSTALL ROOF MOUNTED EXHAUST FAN ON 14" TALL ROOF CURB. PROVIDE BACKDRAFT DAMPER TRAY AND DAMPER INSIDE ROOF CURB. INSTALL EXHAUST FAN LEVEL. PROVIDE DUCT TRANSITION FROM OPENING TO DUCT SIZE SHOWN ON PLAN. TRANSITION DUCT IN CURB AND EXTEND DUCT DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO DETAIL 3/M-501 AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
24. 3" DIA COMBUSTION AIR DUCT FROM WATER HEATER IN BOILER ROOM. TERMINATE WITH GOOSENECK.
25. 10" DIA COMBUSTION AIR DUCT FROM HOT WATER BOILER IN BOILER ROOM. TERMINATE WITH GOOSENECK.
26. 120"34" OUTSIDE AIR LOUVER.
27. 120"X32" RELIEF AIR LOUVER.
28. VARIABLE FREQUENCY DRIVES FOR AHU SA FANS. REFER TO M-702 FOR ADDITIONAL INFO.
29. VARIABLE FREQUENCY DRIVES FOR AHU EA FANS. REFER TO M-702 FOR ADDITIONAL INFO.
30. INDOOR CUSTOM AIR HANDLING UNIT ON 4" HOUSEKEEPING PAD IN PENTHOUSE. SEE SHEET M-603 & MECH SCHEDULE M-701 FOR ADDITIONAL INFO.
31. PROVIDE AND INSTALL 3-WAY HOT WATER CONTROL VALVE AND HOT WATER CIRCULATING PUMP AT AHU HEATING COIL PER DETAIL 9/M-503.
32. 14"X14" SA DUCT DOWN TO FIRST FLOOR & SERVE LOCKERS / OFFICES.
33. INSTALL SMOKE DETECTOR AND SAMPLING TUBES FURNISHED BY DIVISION 28 IN DUCTWORK. POWER AND WIRING BY DIVISION 26 AND DIVISION 28.
34. 32"X32" SA DUCT TO GYM. SEE SHEET MH-101A FOR CONTINUATION.
35. 6" HWS & HWR TO / FROM BUILDING.

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SHEET TITLE

ENLARGED MECHANICAL PLANS-1

M-401

School Information

Bridgers & Paxton Project No: 8226
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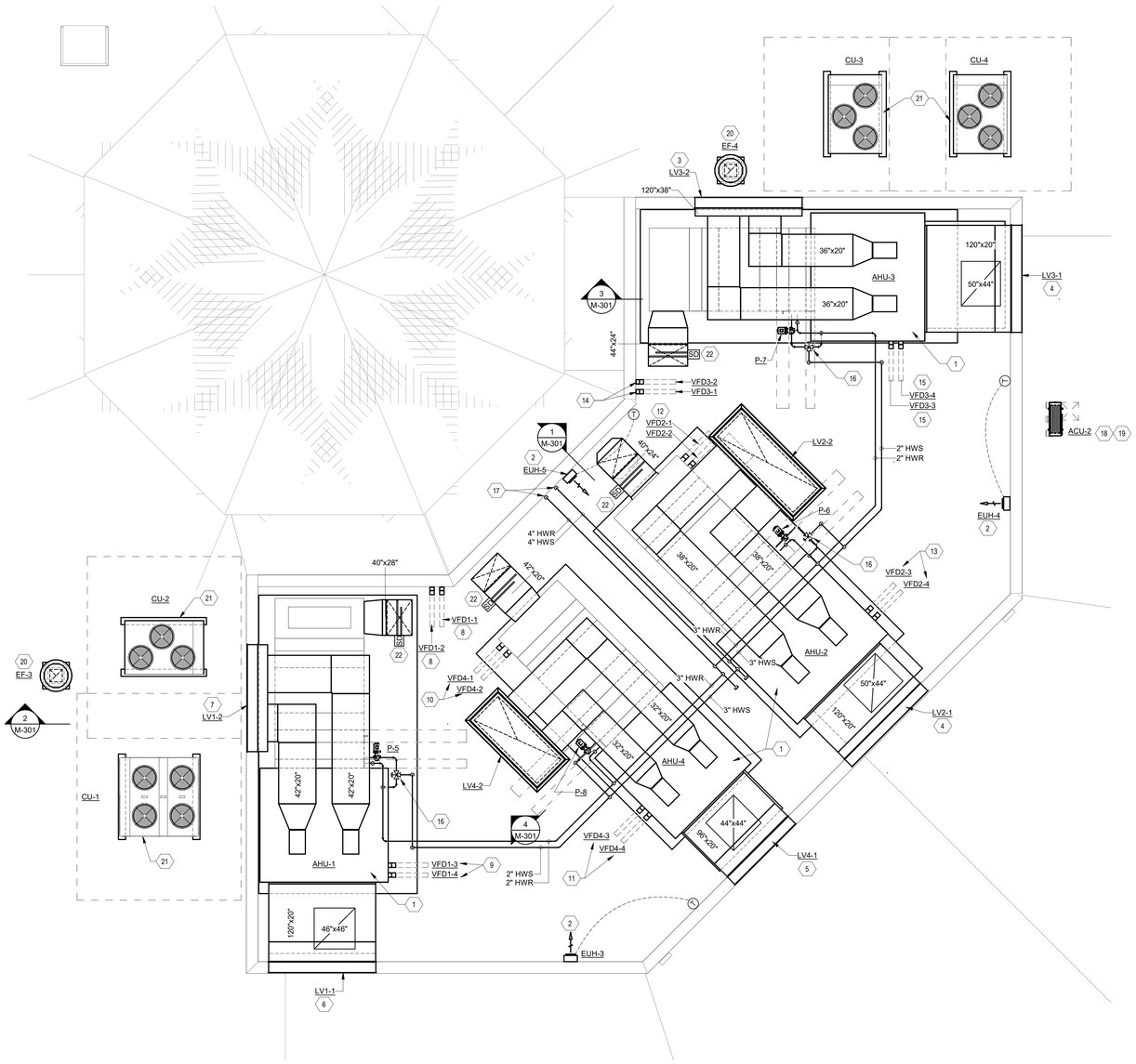

1 MAIN PENTHOUSE - ENLARGED MECH PLAN
3/16" = 1'-0"

KEYNOTES

1. INDOOR CUSTOM AIR HANDLING UNIT ON 4" HOUSEKEEPING PAD IN PENTHOUSE. SEE SHEET M-802, M-603 AND MECH SCHEDULE M-701 FOR ADDITIONAL INFO.
2. MOUNT ELEC UNIT HEATER AT 8'-0" AFF. SET THERMOSTAT TO ENERGIZE HEATER AT 60F (ADJUSTABLE).
3. 120"X38" RELIEF AIR LOUVER.
4. 120"X38" OSA LOUVER.
5. 96"X40" OSA LOUVER.
6. 120"X42" OSA LOUVER.
7. 120"X42" RELIEF AIR LOUVER.
8. VARIABLE FREQUENCY DRIVES FOR AHU-1 SUPPLY FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
9. VARIABLE FREQUENCY DRIVES FOR AHU-1 EXHAUST FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
10. VARIABLE FREQUENCY DRIVES FOR AHU-4 SUPPLY FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
11. VARIABLE FREQUENCY DRIVES FOR AHU-4 EXHAUST FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
12. VARIABLE FREQUENCY DRIVES FOR AHU-2 SUPPLY FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
13. VARIABLE FREQUENCY DRIVES FOR AHU-2 EXHAUST FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
14. VARIABLE FREQUENCY DRIVES FOR AHU-3 SUPPLY FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
15. VARIABLE FREQUENCY DRIVES FOR AHU-3 EXHAUST FANS. REFER MECH SCHEDULE FOR ADDITIONAL INFO.
16. PROVIDE AND INSTALL 3-WAY HOT WATER CONTROL VALVE AND HOT WATER CIRCULATING PUMP AT AHU HEATING COIL PER DETAIL 9/M-503.
17. 4" HWS & HWR PIPING FROM FIRST FLOOR.
18. INSTALL AND ANCHOR CONDENSING UNIT ON TWO ROOF SKIDS WITH RAILS INSIDE ROOF CURB. PIPING ABOVE ROOF SHALL BE INDIVIDUALLY INSULATED WITH FIBERGLASS WRAP, TAPED AT 1FT INTERVALS AND ALUMINUM JACKETED. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, THE CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.
19. REFRIGERATION PIPING AND ELECTRICAL CONDUIT FOR CONDENSING UNIT SHALL PENETRATE ROOF THROUGH VAULT PER DETAIL 10/M-502.
20. INSTALL ROOF MOUNTED EXHAUST FAN ON 14" TALL ROOF CURB. PROVIDE BACKDRAFT DAMPER TRAY AND DAMPER INSIDE ROOF CURB. INSTALL EXHAUST FAN LEVEL. PROVIDE DUCT TRANSITION FROM OPENING TO DUCT SIZE SHOWN ON PLAN. TRANSITION DUCT IN CURB AND EXTEND DUCT DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO DETAIL 3/M-501 AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
21. INSTALL AIR COOLED CONDENSING UNIT ON THYBAR CURB, TEMS-3. SEE MECH SCHEDULE (M-701) FOR ADDITIONAL INFO.
22. INSTALL SMOKE DETECTOR AND SAMPLING TUBES FURNISHED BY DIVISION 28 IN DUCTWORK. POWER AND WIRING BY DIVISION 26 AND DIVISION 28.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

ENLARGED MECHANICAL PLANS-2

M-402

Bridgers & Paxton Project No: 8226
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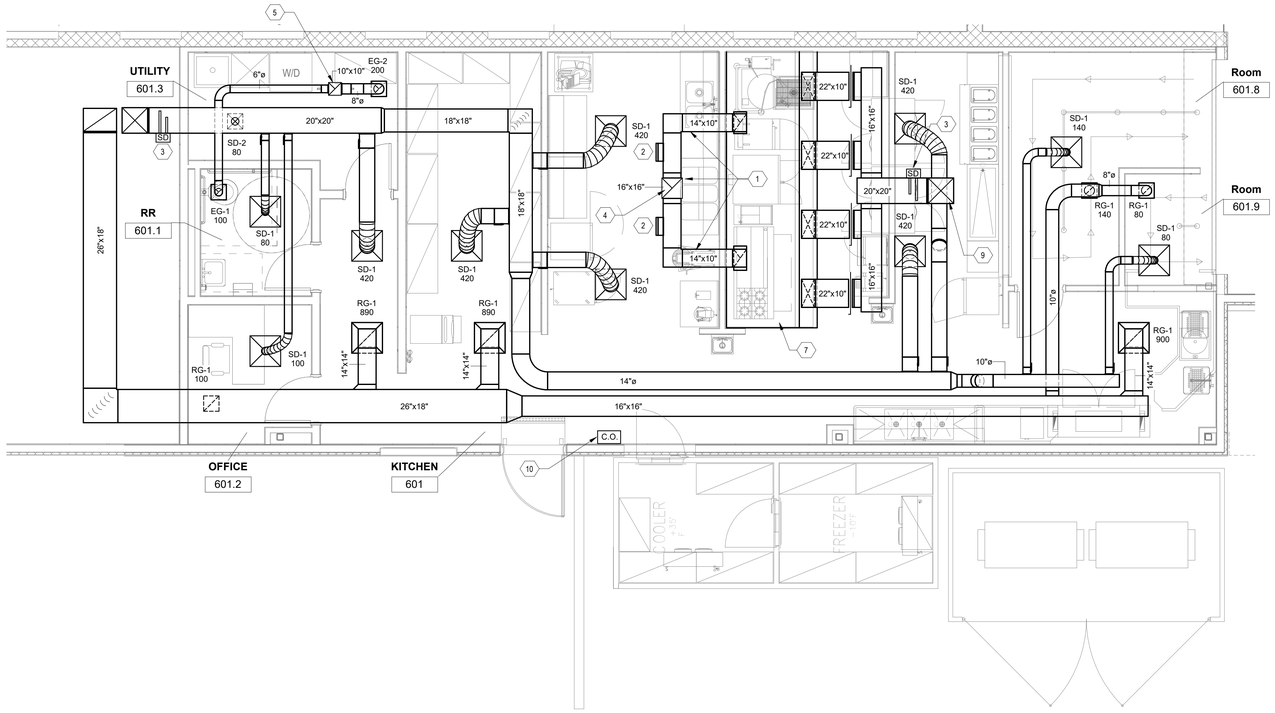
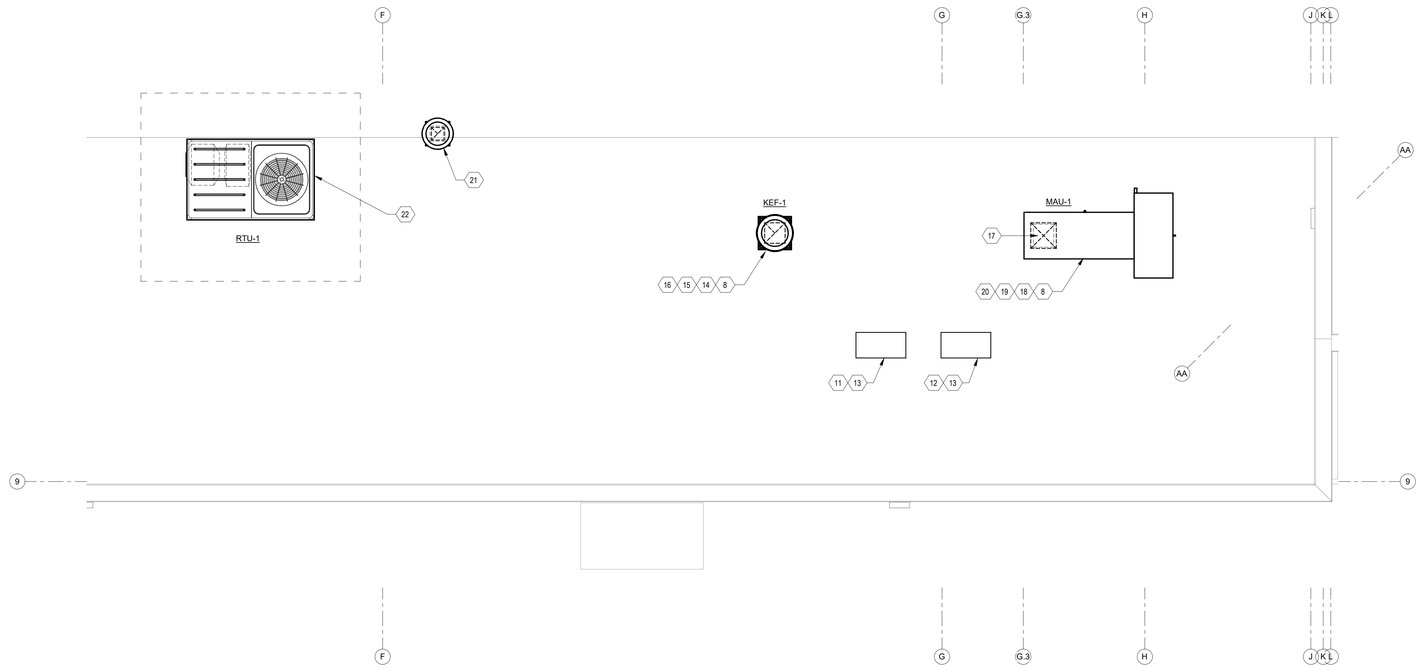
School Information



1 KITCHEN - MECH FP ENLARGED PLAN
1/4" = 1'-0"



2 KITCHEN - MECH RP ENLARGED PLAN
1/4" = 1'-0"

KEYNOTES

1. 16 GA. WELDED CARBON STEEL GREASE EXHAUST DUCT WITH TYPE D-5 1 HR FIRE WRAP. SEE SPECIFICATION 23 0700. GREASE EXHAUST DUCTWORK SYSTEM AND INSTALLATION SHALL COMPLY WITH 2015 UMC CHAPTER- 510.
2. 14"X10" CLEANOUT FOR GREASE DUCT CLEANING.
3. INSTALL SMOKE DETECTOR AND SAMPLING TUBES FURNISHED BY DIVISION 28 IN DUCTWORK. POWER AND WIRING BY DIVISION 26 AND DIVISION 28.
4. 18"X18" GREASE EXHAUST DUCT UP THROUGH ROOF TO KEF-1.
5. 10"X10" EXHAUST DUCT UP TO EF-7 ON THE ROOF.
6. NOT USED.
7. COORDINATE WITH DIV. 11 AND FOOD SERVICE DRAWINGS FOR KITCHEN HOOD REQUIREMENTS AND INSTALLATION. INSTALLATION OF KITCHEN HOODS, FIRE SUPPRESSION SYSTEM BY DIVISION 23. POWER AND FIRE ALARM WIRING BY DIV 26 AND 28.
8. THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL KITCHEN EXHAUST FANS AND MAKEUP AIR UNIT AS INDICATED ON M-701 & M-702. NOTE THE EQUIPMENT MANUFACTURERS FOR EXHAUST FANS, AND MAKEUP AIR UNIT SHALL BE THE SAME.
9. 20"X20" SUPPLY AIR DUCT UP THROUGH ROOF TO MAU-1.
10. CARBON MONOXIDE SENSOR WITH CO PPM LEVEL DISPLAY, ALARM BUZZER, ALARM CONTACTS, AND 4-20 mA OUTUT. MOUNT SENSOR ON WALL APPROXIMATELY 48" AFF. CONNECT TO NEAREST DDC CONTROLLER. SENSOR SHALL PROVIDE CO LEVEL AND ALARM TO FMS SYSTEM. MACURCO MODEL CM-6 OR EQUAL.
11. INSTALL FREEZER CONDENSING UNIT FURNISHED BY DIV 11 PER FOOD SERVICE FS SHEETS. PROVIDE AND INSTALL REFRIGERANT PIPING BETWEEN CONDENSING UNIT AND INDOOR UNIT INSIDE FREEZER BELOW. WIRING BY DIV. 26.
12. INSTALL COOLER CONDENSING UNIT FURNISHED BY DIV 11 PER FOOD SERVICE FS SHEETS. PROVIDE AND INSTALL REFRIGERANT PIPING BETWEEN CONDENSING UNIT AND INDOOR UNIT INSIDE COOLER BELOW. WIRING BY DIV. 26.
13. PROVIDE ROOF SKID SUPPORTS PER FOOD SERVICE FS SHEET DETAIL. NOTE SKID SHALL ANCHOR TO ROOF DECK AND EXTEND MINIMUM 10" ABOVE RIGID ROOFING INSULATION.
14. INSTALL KITCHEN GREASE EXHAUST FAN ON 20" TALL ROOF CURB WITH VENTILATED CURB EXTENSION. SIZE CURB AND ROOF OPENING TO ACCOUNT FOR FIRE WRAP MATERIAL AND 1" CLEARANCE AROUND DUCT INSULATION AT ROOF OPENING. SEE DETAIL CS/M502 FOR MORE INFORMATION.
15. PROVIDE GREASE CUP AND DRAIN TUBE AT KEF-1.
16. PROVIDE HINGED ACCESS AND FLEXIBLE ELECTRICAL CONDUIT AT EXHAUST FAN AND CURB SO THAT EXHAUST DUCT CAN BE ACCESSED FOR CLEANING. DISCHARGE OF FAN SHALL BE MINIMUM OF 40" ABOVE ROOF DECK.
17. MOISTURE LADEN SUPPLY DUCTWORK ASSOCIATED WITH MAKEUP AIR UNIT SHALL BE STAINLESS STEEL MATERIAL. DO NOT PROVIDE ACOUSTICAL LINER FOR MAU-1 DUCTWORK.
18. INSTALL MAU-1 ON 14" TALL CURB. PROVIDE ADDITIONAL THYCURB-SKID SUPPORT UNDER EVAP COOLING SECTION OF UNIT.
19. FURNISH MAU-1 WITH SERVICE RECEPTACLE AND LOCATION FOR MOUNTING ON UNIT. INSTALLATION AND WIRING BY DIV 26.
20. COORDINATE PIPING UTILITY CONNECTIONS AT MAU-1 WITH DIV 22. FOR NATURAL GAS, DOMESTIC COLD WATER, OVERFLOW AND DRAIN SIZE REFER TO MANUFACTURER'S INSTRUCTION. SEE PLUMBING SHEETS FOR ADDITIONAL INFORMATION. DOMESTIC WATER LINE AT MAU-1 SHALL BE PIPED WITH A BLOCK AND BLEED VALVING ARRANGEMENT BELOW ROOF FOR WINTERIZATION.
21. INSTALL ROOF MOUNTED EXHAUST FAN ON 14" TALL ROOF CURB. PROVIDE BACKDRAFT DAMPER TRAY AND DAMPER INSIDE ROOF CURB. INSTALL EXHAUST FAN LEVEL. PROVIDE DUCT TRANSITION FROM OPENING TO DUCT SIZE SHOWN ON PLAN. TRANSITION DUCT IN CURB AND EXTEND DUCT DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO DETAIL 3/M-501 AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
22. INSTALL ROOFTOP UNIT ON 14" TALL FACTORY ROOF CURB. ENSURE CURB AND UNIT IS INSTALLED LEVEL FOR PROPER CONDENSATE DRAINAGE FROM UNIT. PROVIDE FLEXIBLE CONNECTORS ON THE SUPPLY AND RETURN AIR DUCT CONNECTIONS AND TRANSITION TO DUCT SIZES SHOWN ON PLANS. EXTEND DUCTS DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO MECHANICAL DETAILS AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

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OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

KITCHEN - MECH ENLARGED PLAN

M-403

School Information

Dzilth-Na-O-Dith-Hle - New School
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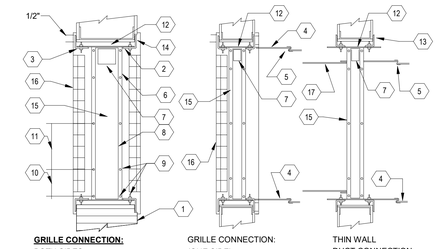
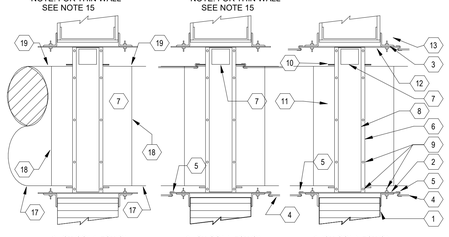


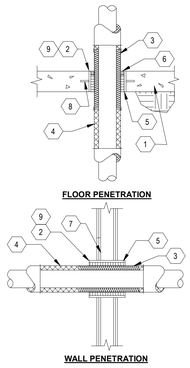


1. WALL (OR FLOOR)
2. SLEEVE - SEE INSTALLATION NOTES THIS SHEET
3. MOUNTING ANGLES CONTINUOUS AROUND SLEEVE WITH WELDED JOINTS
4. SQUARE OR RECTANGULAR DUCT
5. BREAKAWAY DUCT CONNECTION
6. FIRE DAMPER FRAME
7. FIRE DAMPER CURTAIN TYPE SQUARE OF RECTANGULAR
8. CURTAIN TRACT
9. BOLT, SCREW, RIVET, OR TACK WELDED CONNECTION
10. CORNER SPACING PER INSTALLATION INSTRUCTION
11. INTERMEDIATE SPACING PER INSTALLATION INSTRUCTION
12. 1/8" PER LINEAR FOOT BOTH DIMENSIONS, AND 1/4" MINIMUM
13. 1" MINIMUM OVERLAP OF STRUCTURAL OPENING
14. ALTERNATE MOUNTING ANGLE METHOD AS REQUIRED BY GRILLE
15. MAXIMUM WIDTH 1-7/8" RUSKIN MODEL IBDT OR APPROVED EQUAL

    GRILLE OR REGISTER WITH A MIN. 1/2" OVERLAP. GRILLE OR REGISTER SHALL BE STEEL MINIMUM 26 GAGE FRAME THICKNESS AND SHALL NOT BE ATTACHED DIRECTLY TO WALL
16. ROUND OR OVAL DUCT

    ROUND OR OVAL DUCT COLLAR FURNISHED WITH RECTANGULAR DAMPER ASSEMBLY
17. ROUND OR OVAL DUCT BREAKAWAY CONNECTION WITH EITHER DRAWBAND OR SHEET METAL SCREWS IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.

2 FIRE DAMPER DETAIL - CURTAIN TYPE
SCALE = NONE

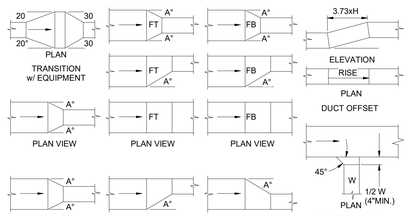


1. FLOOR STRUCTURE, SEE ARCH. DRAWINGS FOR RATING
2. PIPE SLEEVES, SEE SECTION 15060. PROVIDE WATERSTOP FOR BELOW GRADE PENETRATIONS
3. ROCKWOOL OR APPROVED FIRE SAVING PIPE INSULATION THRU PENETRATION, MIN. 6" BOTH SIDES OF WALL OR FLOOR (FOR INSULATED PIPING ONLY)
4. PIPE INSULATION (WHERE REQUIRED)
5. U.L. LISTED SILICONE FOAM OR OTHER FIRE SAFE MATERIAL BETWEEN PIPE AND PIPE SLEEVES OR PIPE SLEEVE AND ROCKWOOL INSULATION FOR INSULATED PIPING
6. IF SILICONE FOAM IS NOT USED AS FIRE SAFING MATERIAL, SEAL WATER-PROOF WITH SILICONE SEALANT
7. PARTITIONI OR WALL, SEE ARCH. DWGS FOR RATING
8. ANCHOR ONE PIPE DIAMETER LONG 90° APART
9. PIPE SLEEVES NOT REQUIRED IN GYP-BOARD WALLS

1 PIPE PENETRATION THRU FIRE RATED BARRIER
SCALE = NONE

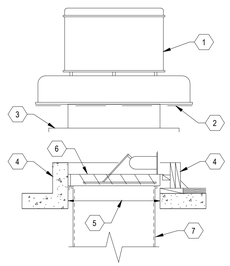
1. OPENINGS IN FLOOR OR WALLS SHALL BE LARGER THAN THE DAMPER BY 1/8" FOR EACH LINEAR FOOT IN HEIGHT AND WIDTH OF THE DAMPER TO ALLOW FOR THERMAL EXPANSION, BUT THE OPENING SHALL NOT BE LESS THAN REQUIRED TO MAINTAIN A MINIMUM OF 1/4" CLEARANCE BETWEEN THE SLEEVE AND WALL ON ALL SIDES. IN INSTALLATIONS WHERE THE OPENING BETWEEN THE WALL AND SLEEVE REQUIRES FILLER MATERIAL (SEE NFPA 90A) THE FILLER MATERIAL SHALL BE OF FLEXIBLE CONSISTENCY TO ALLOW FOR EXPANSION OF THE FIRE DAMPER-ASSEMBLY.
2. THE FOLDED BLADE ASSEMBLY SHALL ALWAYS BE POSITIONED AT THE TOP WHEN THE DAMPER IS PLACED IN A WALL OPENING.
3. THE DAMPER SHALL BE POSITIONED IN THE OPENING SO THE HORIZONTAL CLEARANCE ALLOWED FOR EXPANSION IS EQUALLY DIVIDED AT BOTH SWIDES OF THE DAMPER.
4. THE DAMPER SHALL BE POSITIONED IN THE OPENING SO THAT NO PART OVERLAPS THE PLANE FORMED BY EITHER SIDE OF THE WALL OF THE FIRE RATED FLOOR ASSEMBLY.
5. THE DUCT SHALL NOT BE CONTINUOUS THROUGH THE WALL OPENING, BUT SHALL BE CONNECTED TO THE DAMPER (OR SLEEVE DEPENDING UPON THE STYLE OF DAMPER) ON EITHER SIDE OF THE WALL.
6. APPROVED RECTANGULAR DUCT BREAKAWAY CONNECTIONS ARE: PLAIN 'S' SLIP-HEMMED 'S' SLIP; DOUBLE 'S' SLIP, INSIDE SLIP JOINT; STANDING 'S'; STANDING 'S' ANGLE OR BAR REINFORCED; STANDING 'S' ALTERNATE; AND DRIVE SLIP JOINT. FLANGED CONNECTION SYSTEMS MANUFACTURED BY DUCTMATE, NEXUS, WARD TDC (LOCK FORMER) AND TDF (ENGLE) MAY BE USED FOR BREAKAWAY CONNECTIONS WHERE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. APPROVED ROUND AND FLAT OVAL BREAKAWAY CONNECTIONS SHALL BE EITHER 4" WIDE DRAW BAND OR #10 SHEET METAL SCREWS, SPACED EQUALLY AROUND THE CIRCUMFERENCE OF THE DUCT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. DO NOT BOLT, SCREW, RIVET, TACK WELD, ETC., DUCT CONNECTIONS TO THE DUCT-SLEEVE. SEAL DUCT CONNECTIONS WITH HARDCAST INC.,
7. DAMPER FRAME MAY BE OF DESIGN AND LENGTH AS TO FUNCTION AS THE SLEEVE IF SO TESTED AND LABELED BY UL. OTHERWISE, THE SLEEVE SHALL BE CONTINUOUS THROUGH THE WALL WITH ALL WELDED SEAMS AND SHALL EXTEND A MINIMUM DISTANCE BEYOND THE PLANES FORMED BY BOTH WALLS OR FLOOR ASSEMBLY. EQUAL TO THE WIDTH OF THE RETAINING ANGLES, BUT SHALL NOT BE GREATER THAN WALL WIDTH PLUS MOUNTING ANGLE DIMENSIONS PLUS 8".
8. THE SLEEVE GAUGE SHALL BE EQUAL TO OR HEAVIER THAN THE GAUGE OF THE DUCT AS DEFINED BY THE APPROPRIATE SMAGNA DUCT CONSTRUCTION STANDARD. BUT THE SLEEVE SHALL BE NOT LESS THAN REQUIRED TO PROVIDE INSTALLATION EQUIVALENT TO THE DAMPER MANUFACTURER'S UL TEST AND INSTALLATION INSTRUCTIONS.
9. THE FIRE DAMPER SHALL BE BOLTED, SCREWED, RIVETED, OR TACK WELDED TO THE SLEEVE AND THE SPACING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
10. THE SLEEVE-FIRE DAMPER ASSEMBLY SHALL BE THEN HELD IN PLACE IN THE WALL (OR FLOOR BY MOUNTING ANGLES, (MINIMUM OF 1-1/2" X 16 GAUGE. BUT NOT LESS THAN REQUIRED SLEEVE GAUGE AND MANUFACTURER'S INSTALLATION INSTRUCTIONS) ON BOTH SIDES OF WALL OR FLOOR ASSEMBLY. THESE MOUNTING ANGLES SHALL BE WELDED TO THE SLEEVE AT A SPACING IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. MOUNTING ANGLES SHALL OVERLAP THE WALL A MINIMUM OF ONE (1) INCH ON ALL SIDES AND SHALL NOT BE ATTACHED TO THE WALL.
11. WHEN MULTIPLE SECTIONS OF STEEL DAMPERS ARE JOINTED, THE CONNECTIONS SHALL BE ON BOTH SIDES OF DAMPER CURTAIN, AT A MAXIMUM DISTANCE OF 2" FROM ANY OF THE FOUR CORNERS AND A MAXIMUM SPACING OF 12" 0.C. WITH A MINIMUM OF TWO CONNECTIONS IN EACH SIDE, TOP AND BOTTOM.
12. PROVIDE DUCT ACCESS DOORS AT ALL FIRE DAMPER LOCATIONS OF SUFFICIENT SIZE TO ALLOW EASY INSPECTION AND RESETTING OF DAMPER LINKAGES. PROVIDE CEILING ACCESS DOORS IN ALL GYP. BOARD, PLASTER, OF CONCEALED SPLINE CEILINGS TO SERVICE ALL REQUIRED DUCT ACCESS DOORS. PROVIDE ACCESS DOORS IN ALL WALLS OR FLOORS THAT BLOCK ACCESS TO DUCT DOOR PROVIDING ACCESS TO THE FIRE DAMPER. DUCT ACCESS FOR SMALL FIRE DAMPERS 6" SQUARE DIAMTER AND LESS, MAY BE PROVIDED BY MEANS OF REMOVABLE FLEXIBLE DUCT SUBJECT TO THE APPROVAL OF THE BUILDING CODE AUTHORITY HAVING JURISDICTION.
13. ALL FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND IN ACCORDANCE WITH THE FOLLOWING: UL STANDARD 555 FIRE DAMPERS; UL STANDARD 555S SMOKE DAMPERS AND LABELED AS UL LEAKAGE CLASS 1; NFPA STANDARD 90A AND 90B; INTERNATIONAL BUILDING CODE, 2003 EDITION, AND THE INTERNATIONAL MECHANICAL CODE, 2003 EDITION.
13. COMBINATION FIRE AND SMOKE DAMPERS SHALL BE MULTIBLADE TYPE DAMPER CERTIFIED AND LABELED IN ACCORDANCE WITH UL 555 CLASSIFICATION AND UL 555S CLASSIFICATION AS LEAKAGE CLASS 15. DAMPER ASSEMBLY INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH MANUFACTURER'S APPROVED INSTALLATION INSTRUCTIONS. DAMPERS SHALL BE FURNISHED BY THE MANUFACTURER WITH UL APPROVED DAMPER ACTUATOR AND FUSE LINK IN ACCORDANCE WITH SPECIFICATION SECTION 15800.
14. COMBINATION FIRE AND SMOKE DAMPERS SHALL BE MULTIBLADE TYPE DAMPER CERTIFIED AND LABELED IN ACCORDANCE WITH UL 555 CLASSIFICATION AND UL 555S CLASSIFICATION AS LEAKAGE CLASS 15. DAMPER ASSEMBLY INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH MANUFACTURER'S APPROVED INSTALLATION INSTRUCTIONS. DAMPERS SHALL BE FURNISHED BY THE MANUFACTURER WITH UL APPROVED DAMPER ACTUATOR AND FUSE LINK IN ACCORDANCE WITH SPECIFICATION SECTION 15800.

5 FIRE DAMPER INSTALLATION NOTES
SCALE = NONE



NOTES
1. ANGLE A=30 MAXIMUM WHEN AIR FLOWS IN DIRECTION OF ARROS. (SUPPLY AIR)
2. ANGLE A=15 WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROS (R.A. OR EXHAUST)

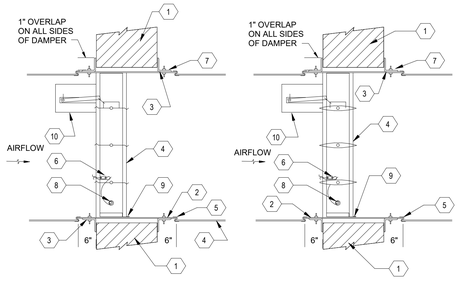
4 LOW PRESSURE DUCT FITTING DETAIL
SCALE = NONE



1. POWER ROOF EXHAUSTER
2. BIRDSCREEN
3. INTEGRAL CURB CAP. SECURE AND CAULK TO CURB
4. FACTORY CURB SECURELY ANCHORED TO ROOF OR AS SHOWN ON ARCHITECTURAL DRAWINGS. FLASH AND COUNTERFLASH
5. ROOF OPENING - MIN. 1" LARGER THAN DUCT SIZE AS SHOWN ON PLANS
6. MOTORIZED DAMPER

   ACOUSTICALLY LINED DUCT. UNLESS EXHAUSTING MOIST AIR

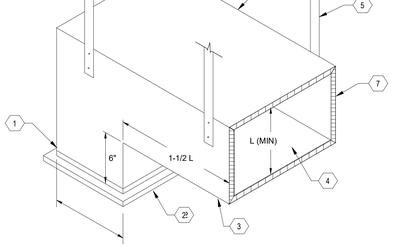
3 POWER ROOF EXHAUSTER DETAIL
SCALE = NONE



1. WALL OR FLOOR
2. SLEEVE - SEE INSTALLATION NOTES, THIS SHEET
3. MOUNTING ANGLES CONTINUOUS AROUND SLEEVE WITH MINIMUM 1" OVERLAP
4. SQUARE OR RECTANGULAR DAMPER FRAME FOR ROUND OR OVAL DUCTS, PROVIDE DUCT TRANSITION
5. BREAKAWAY DUCT CONNECTION - SEE INSTALLATION NOTES
6. FIRE DAMPER FUSIBLE LINK (NOT REQUIRED FOR COMBINATION FIRE/SMOKE DAMPERS OR SMOKE DAMPERS)
7. 1/4" MINIMUM EXPANSION CLEARANCE - SEE INSTALLATION NOTES
8. NEGATIVE SPRING (NOT REQUIRED FOR COMBINATION FIRE/SMOKE DAMPER OR SMOKE DAMPERS)
9. APPROVED CAULKING MATERIAL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS
10. U.L. APPROVED DAMPER ACTUATOR ASSEMBLY WITH MOUNTING BRACKET, ELECTRIC FUSE LINK, AND OPERATING JACK SHAFT LINKAGE. DAMPER ACTUATOR SHALL BE MOUNTED ON DUCT OUTSIDE AIR STREAM

* FUSIBLE ROD IS NOT REQUIRED FOR SMOKE DAMPER APPLICATION

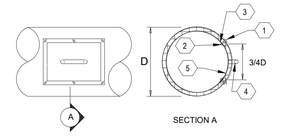
8 FIRE DAMPER, SMOKE DAMPER, AND COMBINATION FIRE SMOKE DAMPER DETAILS
SCALE = NONE



1. SECURE SOUND ELBOW TO RETURN GRILLE.
2. RETURN AIR GRILLE IN CEILING. SEE PLANS AND SCHEDULE FOR SIZE AND TYPE.
3. COORDINATE SOUND ELBOW INSTALLATION WITH STRUCTURE, LIGHTS, AND OTHER OBSTRUCTIONS. POINT OPENING AWAY FROM EQUIPMENT.
4. MAINTAIN SAME FREE AREA AS GRILLE. (MINIMUM).
5. SUPPORT FROM STRUCTURE SIMILAR TO DUCTWORK.
6. CONSTRUCT SOUND ELBOW OF 1" THICK RIGID ACOUSTIC INSULATION.
7. FURNISH AND INSTALL SOUND ELBOWS FOR EACH RETURN GRILLE UNLESS NOTED OTHERWISE ON DRAWINGS.

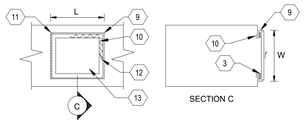
7 SOUND ELBOW DETAIL FOR RETURN GRILLE
SCALE = NONE

6 EXHAUST GRILLLE DETAIL
SCALE = NONE



W X L	ROUND DUCT DIAMETER	FLAT OVAL DUCT	
		MAJOR AXIS WHEN MOUNTED ON MAJOR AXIS	MINOR AXIS WHEN MOUNTED ON MAJOR AXIS
8" X 12"	8" - 12"	8" - 16"	8" - 11"
12" X 12"	13" X 18"	17" - 24"	12" - 13"
14" X 20"	19" +	25" +	14" +

ROUND OR FLAT OVAL DUCT, 8" +



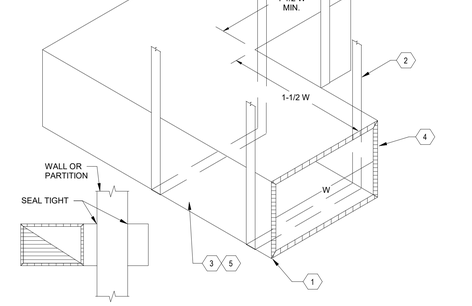
DUCT DIMENSION ON WHICH ACCESS DOOR IS PLACED	OUTSIDE FRAME W X L
6" - 8"	5" X 12"
9" - 12"	8" X 8"
13" - 15"	12" X 12"
16" - 33"	14" X 14"
34" - 66"	(2) 14" X 14"
67" +	(3) 14" X 14"

RECTANGULAR DUCTS

NOTE:
DUCT ACCESS DOORS SHALL BE PROVIDED AT EACH FIRE DAMPER, SMOKE DAMPER, DUCT MOUNTED EQUIPMENT, AND AS REQUIRED FOR DUCT CLEANING AND INSPECTION

1. BOLT AND WING NUT AT MAX. 3" O.C.
2. TACK WELD BOLT TO DUCT
3. PROVIDE GASKET BETWEEN DUCT AND ACCESS DOOR
4. HANDLE
5. INSULATE COVER AS REQUIRED BY DUCT INSULATION SPEC.
6. MIN. 20 GA FRAME WELDED TO DUCT
7. PRESSURE SENSITIVE LATCH FOR VACUUM RELEASE
8. RETAINER CHAIN
9. MIN. 22 GA GALV. STEEL FRAME
10. FRAME SECURED TO DUCT WITH 5/8" NOTCHED KNOCK-OVER EDGES ON ALL SIDES
11. CONTINUOUS HINGE
12. CAM LATCH
13. MIN. 22 GA DOOR

10 DUCT ACCESS DOOR DETAIL
SCALE = NONE



1. COORDINATE SOUND ELBOW INSTALLATION WITH STRUCTURE, LIGHTS, AND OTHER OBSTRUCTIONS
2. SUPPORT FROM STRUCTURE SIMILAR TO DUCTWORK
3. CONSTRUCT SOUND ELBOW OF 1" THICK RIGID ACOUSTIC INSULATION OR AS SHOWN ON DRAWINGS
4. FURNISH AND INSTALL SOUND ELBOWS AS SHOWN ON DRAWINGS
5. WHEN FIRE DAMPER OR SMOKE DAMPER IS NEEDED AT THE WALL, INSTALL SOUND ELBOW ATTACHED AND SEALED TO WALL.

9 SOUND ELBOW DETAIL FOR TRANSFER OPENINGS
SCALE = NONE

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL DETAILS

M-501

Bridgers & Paxton Project No: 8226
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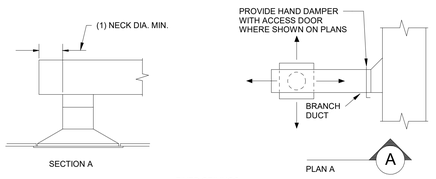
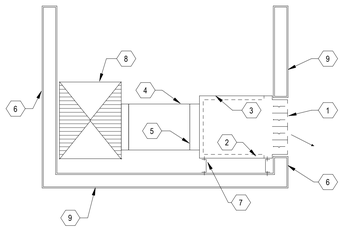
School Information



3 DIFFUSER AND REGISTER CONNECTION DETAIL
SCALE = NONE

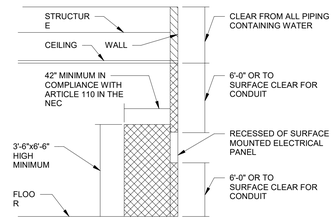


1. SLOT DIFFUSER, SEE PLANS FOR NUMBER OF SLOTS AND LENGTH
2. INTERNAL INSULATION
3. FACTORY PLENUM
4. BRANCH RUNOUT, SEE PLANS FOR SIZE
5. INLET SIZE, PER SCHEDULE
6. SOFFIT, SEE ARCH. DWGS. FOR CONSTRUCTION
7. PLENUM SUPPORT MOUNTED PLENUM AND ARCH. FRAMING
8. SUPPLY DUCT, SEE PLANS FOR SIZE
9. ARCHITECTURAL ENCLOSURE, SEE ARCH DWGS.

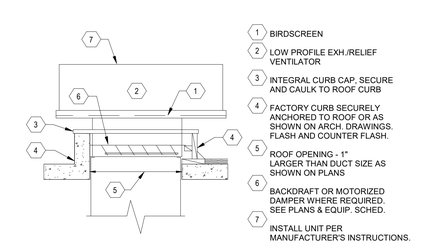
NOTE:

R.A. SLOTS SIMILAR, EXCEPT NO FLEX DUCT CONNECTION OR PLENUM REQUIRED

2 SIDEWALL LINEAR DIFFUSER DETAIL
SCALE = NONE

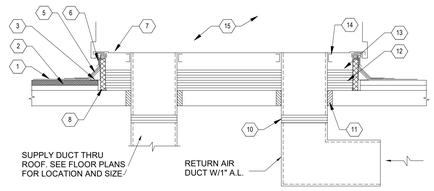


1 CLEARANCE REQUIREMENTS AT ELECTRICAL PANELS
SCALE = NONE



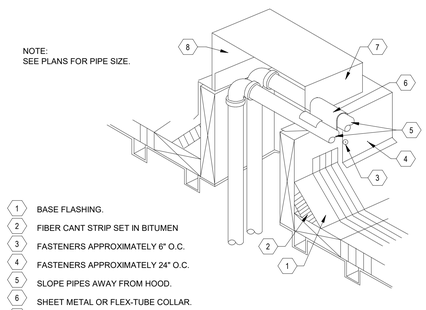
1. BIRDSCREEN
2. LOW PROFILE EXH./RELIEF VENTILATOR
3. INTEGRAL CURB CAP, SECURE AND CAULK TO ROOF CURB
4. FACTORY CURB SECURELY ANCHORED TO ROOF OR AS SHOWN ON ARCH. DRAWINGS. FLASH AND COUNTER FLASH.
5. ROOF OPENING - 1" LARGER THAN DUCT SIZE AS SHOWN ON PLANS
6. BACKDRAFT OR MOTORIZED DAMPER WHERE REQUIRED. SEE PLANS & EQUIP. SCHED.
7. INSTALL UNIT PER MANUFACTURER'S INSTRUCTIONS.

7 RELIEF VENTILATOR DETAIL
SCALE = NONE



1. EXISTING LIGHTWEIGHT PUMICE CONCRETE CRICKET
2. EXISTING RIGID INSULATION, VERIFY THICKNESS
3. NEW FIBROUS CANT STRIP
4. REPLACE ROOFING BENEATH UNIT WITH LIKE MATERIAL
5. FLASHING
6. COUNTERFLASHING
7. SEAL STRIP
8. ROOF CURB FOR EQUIPMENT
9. EQUIPMENT SUPPORT CURB AS REQUIRED
10. FLEX DUCT CONNECTOR
11. SEAL SPACE BETWEEN DUCT AND ROOF OPENING WITH 3 LB DENSITY FIBERGLASS
12. 4 LAYERS OF 1/2" GYPBOARD BELOW UNIT ON ROOF DECK (CONTINUOUS)
13. INSTALL 4 LAYERS OF 1", 3 LB DENSITY FIBERGLASS DUCT BOARD BETWEEN UNIT AND GYPBOARD (CONTINUOUS)
14. INSTALL RUBBER GASKETS BETWEEN DUCT FLANGE AND UNIT
15. WHERE COMPRESSOR SECTION IS OUTSIDE OF CURB, A SIMILAR SOUND ATTENUATION ENCLOSURE BELOW COMPRESSORS SHALL BE PROVIDED. THE CONTRACTOR SHALL SUBMIT DRAWINGS FOR PROPOSED METHOD, FOR APPROVAL, PRIOR TO INSTALLATION

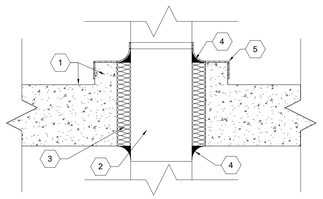
6 ROOF CURB DETAIL
SCALE = NONE



NOTE:
SEE PLANS FOR PIPE SIZE.

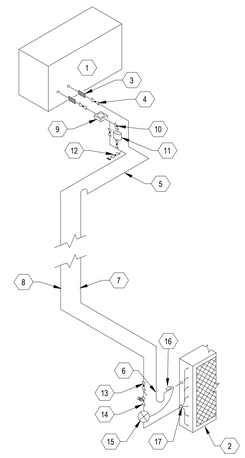
1. BASE FLASHING.
2. FIBER CANT STRIP SET IN BITUMEN
3. FASTENERS APPROXIMATELY 6" O.C.
4. FASTENERS APPROXIMATELY 24" O.C.
5. SLOPE PIPES AWAY FROM HOOD.
6. SHEET METAL OR FLEX-TUBE COLLAR.
7. SHEET METAL HOOD.
8. INSULATE INSIDE OF METALWORK IN COLD CLIMATES.

5 PIPING THRU ROOF DETAIL
SCALE = NONE



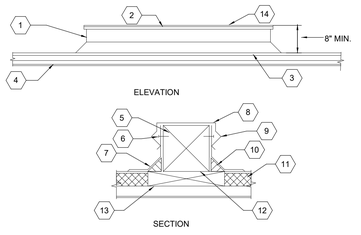
1. CONCRETE PENTHOUSE FLOOR AND 4" CONCRETE CURB AROUND DUCT PENETRATION.
2. DUCT - POSITIONED SUCH THAT THERE IS NO PHYSICAL CONTACT BETWEEN THE DUCT AND THE FLOOR. ENSURE GAP OF 1/2" TO 5/8" ON ALL SIDES.
3. FIBERGLASS OR MINERAL WOOL TYPE INSULATION.
4. NON-HARDENING RESILIENT CAULK - CONTINUOUS.
5. MASS LOADED VINYL SIMILAR TO KINETICS KNM 100RB WITH A SURFACE DENSITY OF NO LESS THAN 1.0 LB/SQ-FT. ADHERE TO THE DUCT AND ADJACENT CONCRETE WITH AN ADHESIVE RECOMMENDED BY THE VINYL MANUFACTURER.

4 PENTHOUSE FLOOR DUCT PENETRATION DETAIL
SCALE = NONE



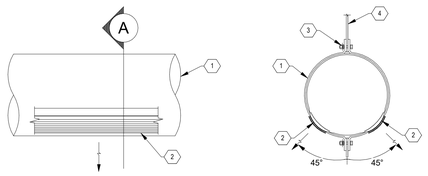
1. ROOF MOUNTED CONDENSING UNIT
2. DIRECT EXPANSION (DX) COIL
3. FLEXIBLE CONNECTION
4. GLOBE VALVE
5. SWING JOINT
6. TRAP, 6" MIN. 12" MAX.
7. INSULATED SUCTION LINE, SEE FLOOR PLAN FOR SIZE
8. INSULATED LIQUID LINE, SEE FLOOR PLAN FOR SIZE
9. SIGHT GLASS
10. ANGLE VALVE
11. FILTER
12. LIQUID CHARGING VALVE
13. STRAINER
14. SOLENOID VALVE TO BE LOCATED AS CLOSE TO EXPANSION VALVE AS POSSIBLE
15. EXPANSION VALVE
16. REMOTE BULB
17. DISTRIBUTION NOZZLE

10 DX COIL PIPING SCHEMATIC
SCALE = NONE



1. LOCATE SKIDS FOR SECURE EQUIPMENT SUPPORT.
2. SKID SHALL SPAN TWO BEAMS MINIMUM.
3. INSTALL SKIDS PERPENDICULAR TO ROOF BEAMS.
4. ROOF. SEE ARCHITECTURAL DWGS.
5. 8"x8" TREATED REDWOOD SKID
6. FASTENERS AT 8" O.C.
7. BASE FLASHING
8. 20 GAUGE GALVANIZED SHEET METAL CAP
9. COUNTERFLASHING WITH FASTENERS 24" O.C.
10. FIBER CANT STRIP. SET IN BITUMEN
11. ROOF INSULATION. SEE ARCH. DWGS.
12. MOP SKID IN PLACE WITH HOT ASPHALT TAR OR AS DIRECTED BY ARCH.
13. BLOCKING. ANCHOR SECURELY TO ROOF DECK, SAME THICKNESS AS ROOF INSULATION.
14. SET SKIDS TO BE LEVEL WHEN INSTALLED ON SLOPING ROOF.

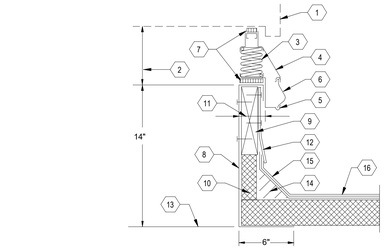
9 ROOF SKID DETAIL
SCALE = NONE



SECTION A

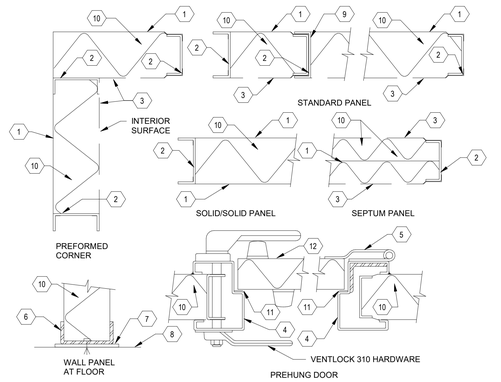
1. ROUND SUPPLY DUCT. SIZE PER PLAN.
2. PRICE MODEL SDS LINEAR SUPPLY DIFFUSER WITH FRAME TYPE 16 FOR MOUNTING DIRECTLY TO SPIRAL DUCT. MOUNT 45 DEGREES FROM CENTER, ANGLED DOWN. DIFFUSER SHALL BE BRUSHED METAL FINISH.
3. LOAD-RATED FASTENERS
4. THREADED ROD HANGER

8 EXPOSED DUCT SUPPORT WITH LINEAR DIFFUSERS
SCALE = NONE



1. ROOFTOP UNIT, SEE EQUIPMENT 8 SCHEDULE. VERIFY UNIT BASE DIMENSIONS AND WEIGHT PRIOR TO FABRICATING MOUNTING CURB OR VIBRATION ISOLATOR BASE
2. SPRING VIBRATION ISOLATOR BASE, SEE EQUIPMENT SCHEDULE. ISOLATOR BASE SHALL MATCH ROOFTOP UNIT AND TO INCLUDE ITEMS LISTED IN KEYED NOTES 3, 4, 5, 6, AND 7 BELOW
3. STEEL SPRING ISOLATORS WITH RETAINERS
4. UPPER ALUMINUM SUPPORT MEMBER, CONTINUOUS
5. LOWER ALUMINUM MOUNTING MEMBER, CONTINUOUS
6. NEOPRENE WEATHER SEAL, CONTINUOUS
7. WEATHERPROOF SEAL, CONTINUOUS
8. 14 GA. GALV. STEEL ROOF MOUNTING FRAME CONTINUOUS AROUND PERIMETER OF ROOFTOP UNIT WITH MITERED CORNERS AND WELDED FOR WATERTIGHT SEAL
9. 2x6 NAILER STRIP, CONTINUOUS
10. 2" THICK RIGID INSULATION
11. 2-3/16", VERIFY TO SUIT VIBRATION BASE
12. 20 GA. GALV. STEEL COUNTERFLASH, CONTINUOUS
13. ROOF DECK, SEE ARCHITECTURAL AND STRUCTURAL FOR ROOF TYPE
14. FIBER CANT STRIP, BY OTHERS
15. FLASHING, BY OTHERS
16. ROOFING, SEE ARCHITECTURAL FOR TYPE

10 SPRING ISOLATED CURB DETAIL
SCALE = NONE



1. 18 GAUGE GALVANIZED SHEET METAL (MIN. GA.)
2. 16 GAUGE GALVANIZED SHEET METAL REINFORCING (MIN. GA.)
3. 22 GAUGE GALVANIZED PERFORATED SHEET METAL (MIN. GA.)
4. 16 GAUGE ALL WELDED FRAME (MIN. GA.)
5. 20 GAUGE GALVANIZED OFFSET HINGE.
6. CHANNEL ANCHORED SECURELY TO FINISH FLOOR.
7. GASKET MATERIAL FOR TIGHT SEAL, PER MFR. RECOMMENDATIONS.
8. FINISH FLOOR.
9. SEALING BEAD AT ALL LAP JOINTS FOR AIR TIGHT SEAL, (TYP.).
10. INSULATED PANELS, THICKNESS AS NOTED ON DRAWINGS.
11. GASKET, CONTINUOUS AROUND DOOR PERIMETER.
12. 20 GAUGE GALVANIZED SHEET METAL (MIN. GA.).

GENERAL NOTES:

* SEPTUM PANELS SHALL BE INSTALLED AT INTERIOR PARTITIONS, AROUND COILS, AIR WASHERS, FILTERS, FAN DISCHARGE (INTERIOR) PLENUM PARTY WALLS.
* PIPING AND DUCT PENETRATIONS THRU WALLS AND CEILINGS OF PLENUM SHALL BE SEALED AIRTIGHT. FOLLOW MFR'S RECOMMENDATIONS.
* PANELS SHALL BE MFR'D BY SEMCO OR EQUIVALENT, UNITS HAVING CERTIFIED TEST DATA ON SOUND & THERMAL TRANSMISSION.
* ALL ACCESS DOORS SHALL BE 24" x 60" MIN. SIZE, UNLESS OTHERWISE NOTED

11 DOUBLE WALL PLENUM DETAIL
SCALE = NONE

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

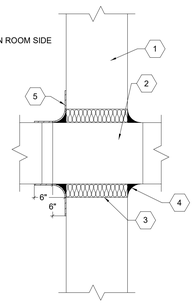
ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL DETAILS

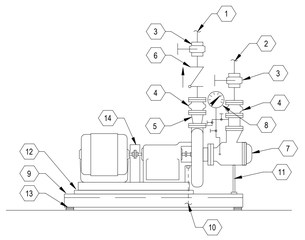
M-502

School Information



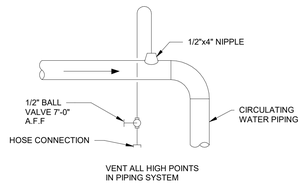
1. FAN ROOM WALL - REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION TYPE.
2. DUCT POSITIONED SUCH THAT THERE IS NO PHYSICAL CONTACT BETWEEN THE DUCT AND THE WALL. ENSURE A GAP OI1/2" TO 5/8" ON ALL SIDES.
3. FIBERGLASS OR MINERAL WOOL TYPE INSULATION.
4. NON-HARDENING RESILIENT CAULK - CONTINUOUS.
5. MASS LOADED VINYL SIMILAR TO KINETICS KNM 100RB WITH A SURFACE DENSITY OF NO LESS THAN 1.0 LB/SQ-FT. ADHERE TO THE DUCT AND ADJACENT WALL WITH AN ADHESIVE RECOMMENDED BY THE VINYL MANUFACTURER.

4 FAN ROOM WALL PENETRATION DETAIL
SCALE = NONE

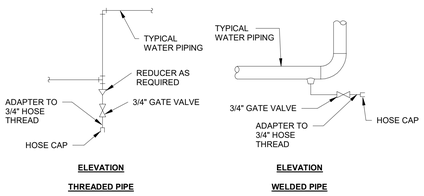


1. DISCHARGE PIPING
2. SUCTION PIPING
3. BUTTERFLY VALVE, 2-1/2" AND LARGER BALL VALVE, 2" AND SMALLER
4. FLEXIBLE COUPLING
5. INCREASER
6. SILENT CHECK VALVE
7. SUCTION DIFFUSER WITH STRAINER
8. COMPOUND PRESSURE GAUGE WITH GAUGE COCKS
9. 4" THICK CONCRETE PAD
10. 1/2" DRAIN LINE FROM MECHANICAL SEAL PUMPS WHICH HAVE A DRAIN FITTING AND ALL PUMPS WITH STUFFING BOXES TO NEAREST F.D.
11. ADJUSTABLE SUPPORT LEG
12. ANCHOR PUMP BASE TO CONCRETE PAD WITH HILTI OR REDHEAD ANCHORS. WHEN REQUIRED. THE MOTOR FOUNDATION SHOULD BE ELEVATED TO AVOID INTERFERENCE BETWEEN THE PUMP CASING AND THE CONCRETE BASE
13. 1" THICK RUBBER AND CORK PADS SIZED AT 50 LBS/SQ.IN. SEE EQUIPMENT SCHEDULE FOR VIBRATION ISOLATOR REQUIREMENTS.
14. FLEXIBLE COUPLING GUARD.

3 PUMP AND BASE DETAIL
SCALE = NONE



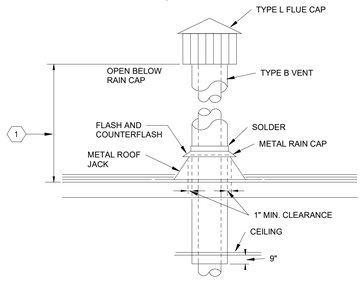
2 MANUAL AIR VENT DETAIL
SCALE = NONE



NOTES:

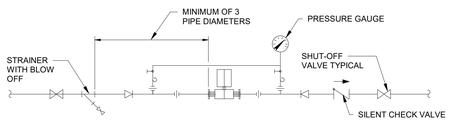
1. DRAIN ALL LOW POINTS OF PIPING
2. DRAIN ALL SCALE POCKETS AS SHOWN ON PLANS AND/OR PIPING DIAGRAMS

1 DRAIN VALVE DETAIL
SCALE = NONE



1. FLUE HEIGHT SHALL BE NO LESS THAN 3'-0" ABOVE THE HORIZONTAL ROOF PLANE. SHOULD ANY OBSTRUCTION WITHIN A 10 FOOT RADIUS OF THE FLUE PROJECT ABOVE THE HORIZONTAL ROOF PLANE, THE FLUE SHALL EXTEND TO 3'-0" ABOVE THE OBSTRUCTION. OBSTRUCTIONS INCLUDE BUT ARE NOT LIMITED TO ITEMS SUCH AS PARAPETS, WALLS, AIR INTAKES, AND ROOF SLOPES.

8 FLUE THRU ROOF DETAIL
SCALE = NONE



7 IN-LINE PUMP DETAIL
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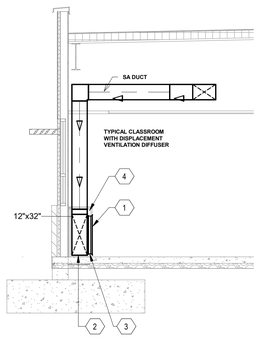
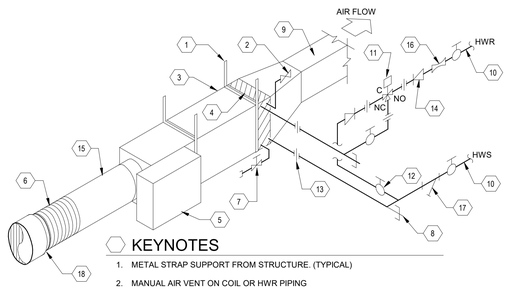


1. DISPLACEMENT VENTILATION DIFFUSER (DVD). SEE PLANS FOR SIZES.
2. SUPPLY AIR DUCT WITH NO ACOUSTICAL LINING. DIMENSIONS SHOWN ON PLANS ARE NET INSIDE DIMENSIONS.
3. SUPPLY AIR DUCT WITH NO ACOUSTICAL LINING. DUCT SHALL BE THE SAME SIZE AS THE DISPLACEMENT VENTILATION DIFFUSER (DVD).
4. ARCHITECTURAL CASEWORK SHOWN FOR REFERNECE ONLY.

6 DISPLACEMENT VENTILATION DIFFUSER INSTALLATION DETAIL
SCALE = NONE



KEYNOTES

1. METAL STRAP SUPPORT FROM STRUCTURE. (TYPICAL)
2. MANUAL AIR VENT ON COIL OR HWR PIPING
3. FACTORY FABRICATED SOUND ATTENUATOR
4. HOT WATER COIL
5. CONTROLS ENCLOSURE
6. HIGH VELOCITY FLEXIBLE SUPPLY DUCT 12" MIN., 24" MAX.
7. DRAIN
8. TEMPERATURE-PRESSURE FITTING (TYP.)
9. LOW VELOCITY DUCTWORK TO DISTRIBUTION
10. REFER TO PLANS FOR PIPE SIZES
11. 3-WAY CONTROL VALVE
12. BALL VALVE (TYP)
13. UNION (TYP)
14. REDUCER (TYP)
15. HIGH VELOCITY RIGID SUPPLY DUCT, 3 FT. MINIMUM STRAIGHT RUN PRIOR TO TERMINAL UNIT CONNECTION. SEE SCHEDULE FOR VALVE AND DUCT SIZE
16. FLOW BALANCING VALVE, SEE SPEC. SECTION 15080
17. STRAINER
18. TRANSITION FROM 2" LARGER DUCT DIAMETER THAN VALVE CONNECTION

5 SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (3 WAY VALVE)
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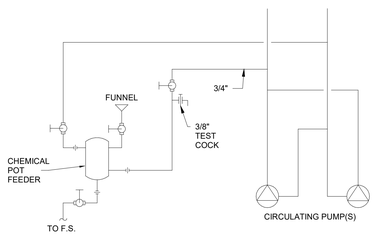
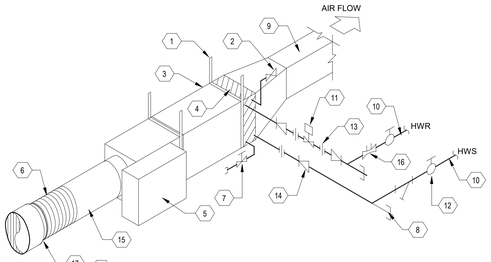


NOTE:

1. INSTALL TOP OF CHEMICAL POT FEEDER NOT MORE THAN 3'-0" ABOVE FLOOR.
2. MOUNT FEEDER(S) ON STEEL SUPPORT BRACKET ADJACENT TO PUMP(S).
3. REFER TO PIPING SCHEMATIC FOR EQUIPMENT NUMBER.

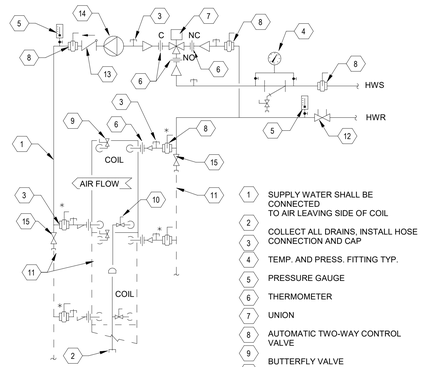
11 CHEMICAL POT FEEDER DETAIL
SCALE = NONE



KEYNOTES

1. METAL STRAP SUPPORT FROM STRUCTURE (TYPICAL)
2. MANUAL AIR VENT ON COIL OR HWR PIPING
3. FACTORY FABRICATED SOUND ATTENUATOR
4. HOT WATER COIL
5. CONTROLS ENCLOSURE
6. HIGH VELOCITY FLEXIBLE SUPPLY DUCT 12" MIN., 24" MAX.
7. DRAIN
8. TEMPERATURE-PRESSURE FITTING (TYP.)
9. LOW VELOCITY DUCTWORK TO DISTRIBUTION
10. REFER TO PLANS FOR PIPE SIZES
11. 2-WAY CONTROL VALVE, NORMALLY CLOSED. FAIL TO COOL
12. BALL VALVE (TYP)
13. UNION (TYP)
14. REDUCER (TYP)
15. HIGH VELOCITY RIGID SUPPLY DUCT, 3 FT. MINIMUM STRAIGHT RUN PRIOR TO TERMINAL UNIT CONNECTION. SEE SCHEDULE FOR VALVE AND DUCT SIZES
16. FLOW BALANCING VALVE, OR FLOW LIMITING VALVE, SEE SPECIFICATIONS
17. TRANSITION FROM 2" LARGER DUCT DIAMETER THAN VALVE CONNECTION SIZE

10 SINGLE DUCT VAV TERMINAL UNIT WITH REHEAT COIL (2 WAY VALVE)
SCALE = NONE



GENERAL NOTES

1 PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN SYSTEM.

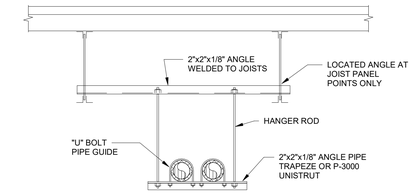
2 SEE PLANS AND/OR PIPING SCHEMATIC FOR PIPE SIZES.

3 TEMP./PRESS. FITTINGS INSTALLED IN PIPING 2" AND SMALLER SHALL BE INSTALLED IN ELBOW OR IN THE BRANCH SIDE OF A 2" TEE.

* THIS VALVE NOT REQUIRED FOR COILS HAVING SINGLE SUPPLY & RETURN CONNECTIONS

1. SUPPLY WATER SHALL BE CONNECTED TO AIR LEAVING SIDE OF COIL
2. COLLECT ALL DRAINS, INSTALL HOSE CONNECTION AND CAP
3. TEMP. AND PRESS. FITTING TYP.
4. PRESSURE GAUGE
5. THERMOMETER
6. UNION
7. AUTOMATIC TWO-WAY CONTROL VALVE
8. BUTTERFLY VALVE
9. MANUAL AIR VENT
10. 1/2" GATE VALVE AND DRAIN
11. DASHED PIPING AND COILS INDICATE TYPICAL PIPING REQUIREMENTS FOR MULTIPLE COILS
12. FLOW CONTROL VALVE, SEE SPECIFICATIONS SECT. 15080
13. CHECK VALVE
14. IN-LINE PUMP, SEE DETAIL
15. DRAIN VALVE IN BOTTOM OF PIPE DROP. SEE DRAIN VALVE DETAIL

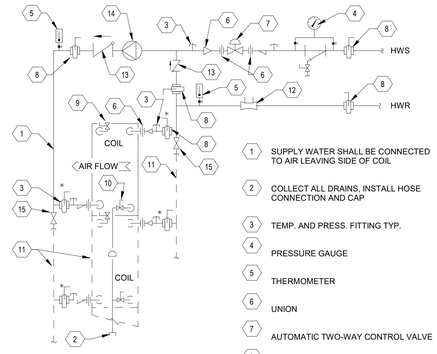
9 HOT WATER COIL PIPING SCHEMATIC (3-WAY)
SCALE = NONE



NOTES:

1. 5 PROVIDE SHEET METAL SLEEVE AROUND PIPE INSULATION AT ALL PIPE HANGERS. SEE SPECS. FOR INSULATION
2. "U" BOLTS SHALL BE USED AS GUIDES ONLY, NOT ANCHORS.
3. "U" BOLTS SHALL BE ON EVERY THIRD TRAPEZE (MIN.)
4. DO NOT TIGHTEN "U" BOLTS ON PIPING OR INSULATION, LEAVE LOOSE AS PIPE GUIDE.

13 PIPE HANGER DETAIL
SCALE = NONE



GENERAL NOTES

1 PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN SYSTEM.

2 SEE PLANS AND/OR PIPING SCHEMATIC FOR PIPE SIZES.

3 TEMP./PRESS. FITTINGS INSTALLED IN PIPING 2" AND SMALLER SHALL BE INSTALLED IN ELBOW OR IN THE BRANCH SIDE OF A 2" TEE.

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1. SUPPLY WATER SHALL BE CONNECTED TO AIR LEAVING SIDE OF COIL
2. COLLECT ALL DRAINS, INSTALL HOSE CONNECTION AND CAP
3. TEMP. AND PRESS. FITTING TYP.
4. PRESSURE GAUGE
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7. AUTOMATIC TWO-WAY CONTROL VALVE
8. BUTTERFLY VALVE
9. MANUAL AIR VENT
10. 1/2" GATE VALVE AND DRAIN
11. DASHED PIPING AND COILS INDICATE TYPICAL PIPING REQUIREMENTS FOR MULTIPLE COILS
12. FLOW CONTROL VALVE, SEE SPECIFICATIONS
13. CHECK VALVE
14. IN-LINE PUMP, SEE DETAIL
15. DRAIN VALVE IN BOTTOM OF PIPE DROP. SEE DRAIN VALVE DETAIL

12 HOT WATER COIL PIPING SCHEMATIC (2-WAY)
SCALE = NONE

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Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

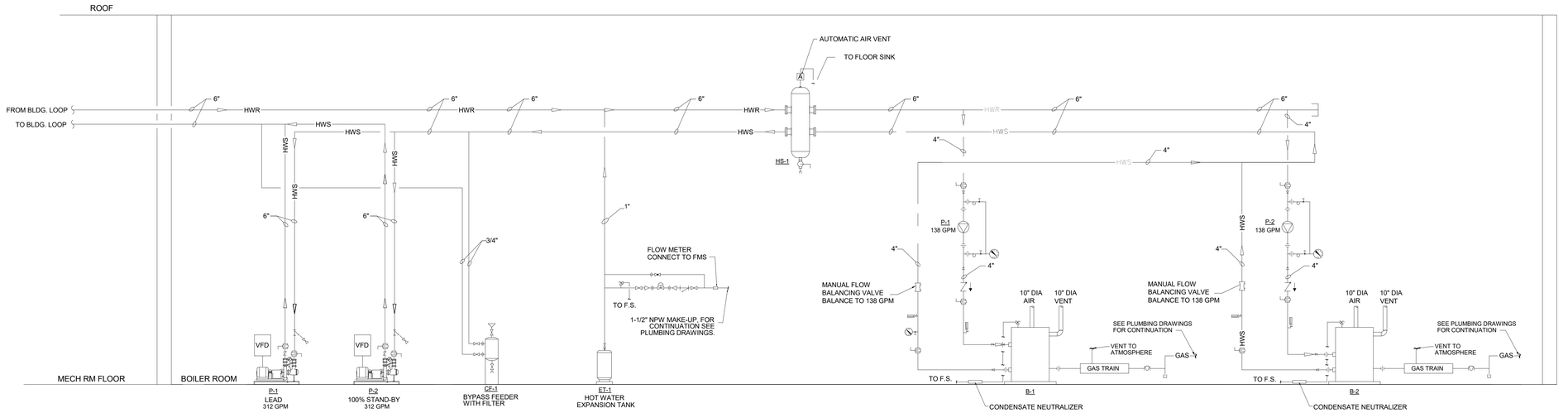
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL DETAILS

M-503



1 MECH PIPING DIAGRAM

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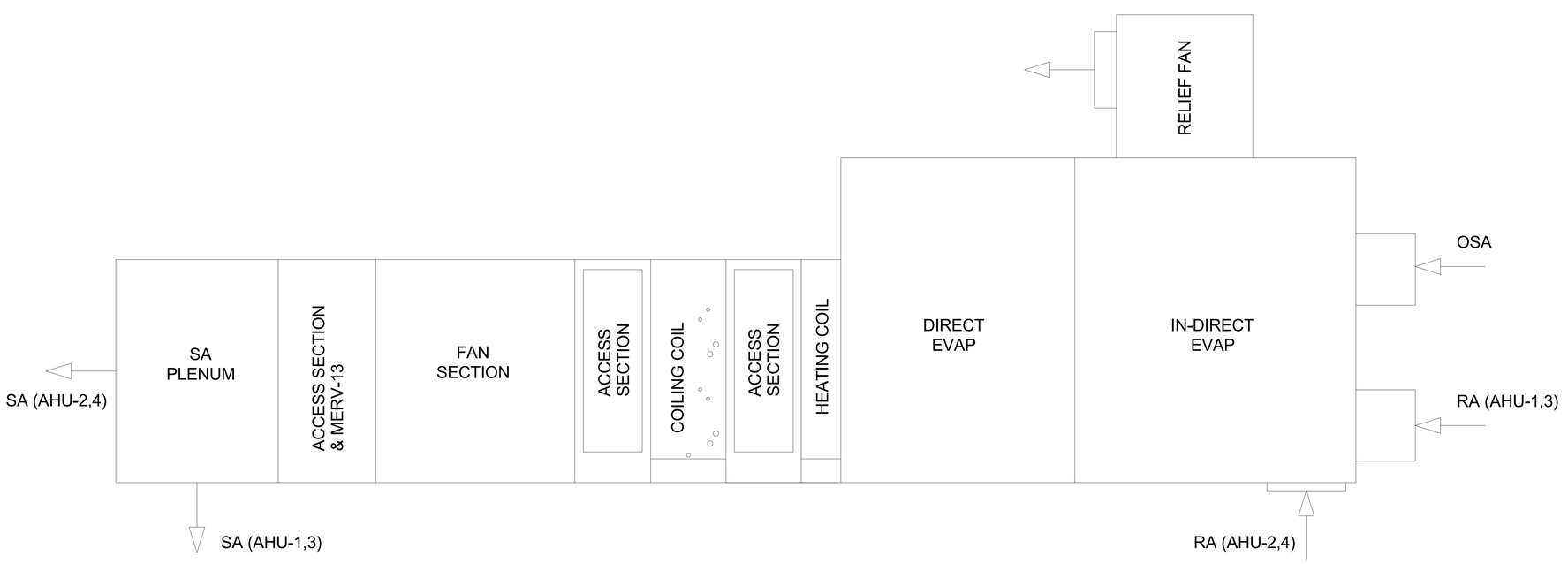

2 AIR HANDLING UNIT SECTIONS (TYP)

NO SCALE

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SHEET TITLE

MECHANICAL DIAGRAMS

M-601

Bridgers & Paxton Project No: 8226
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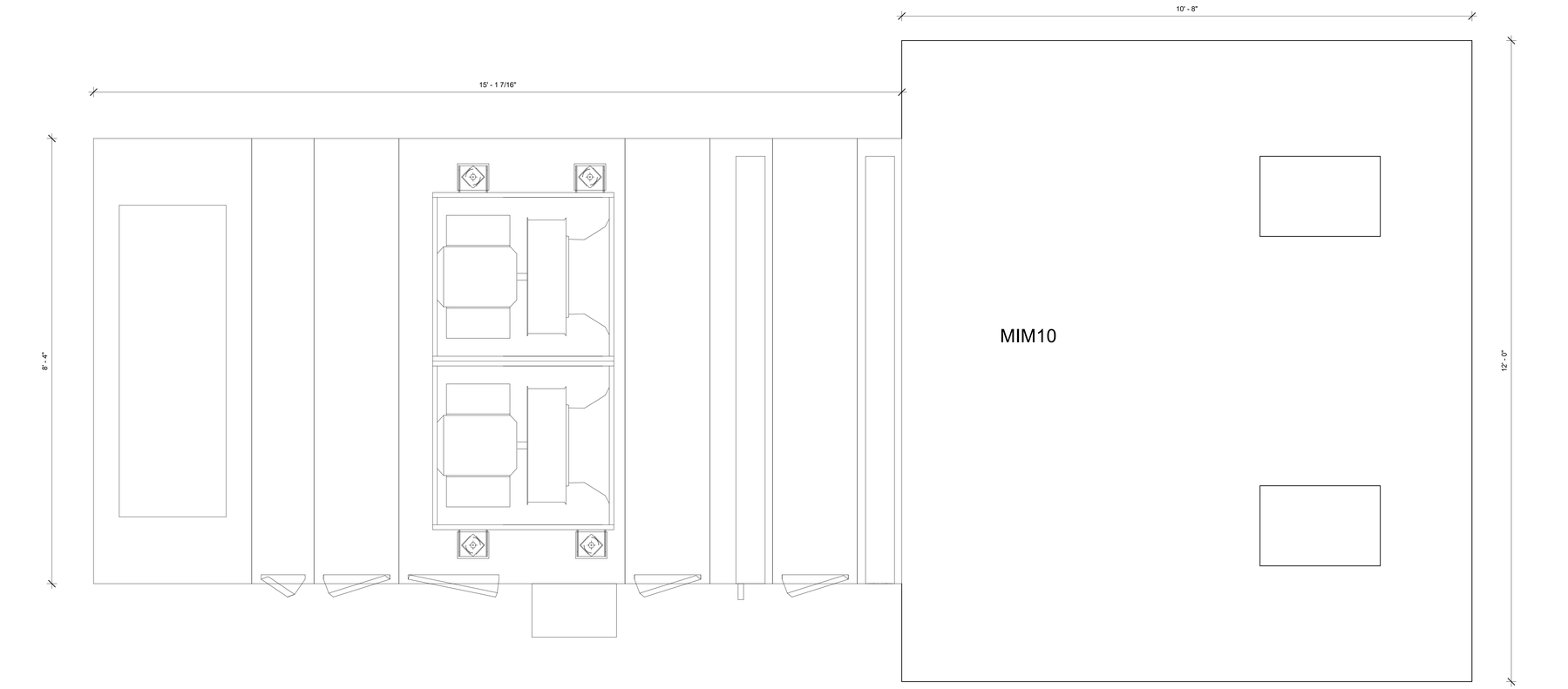
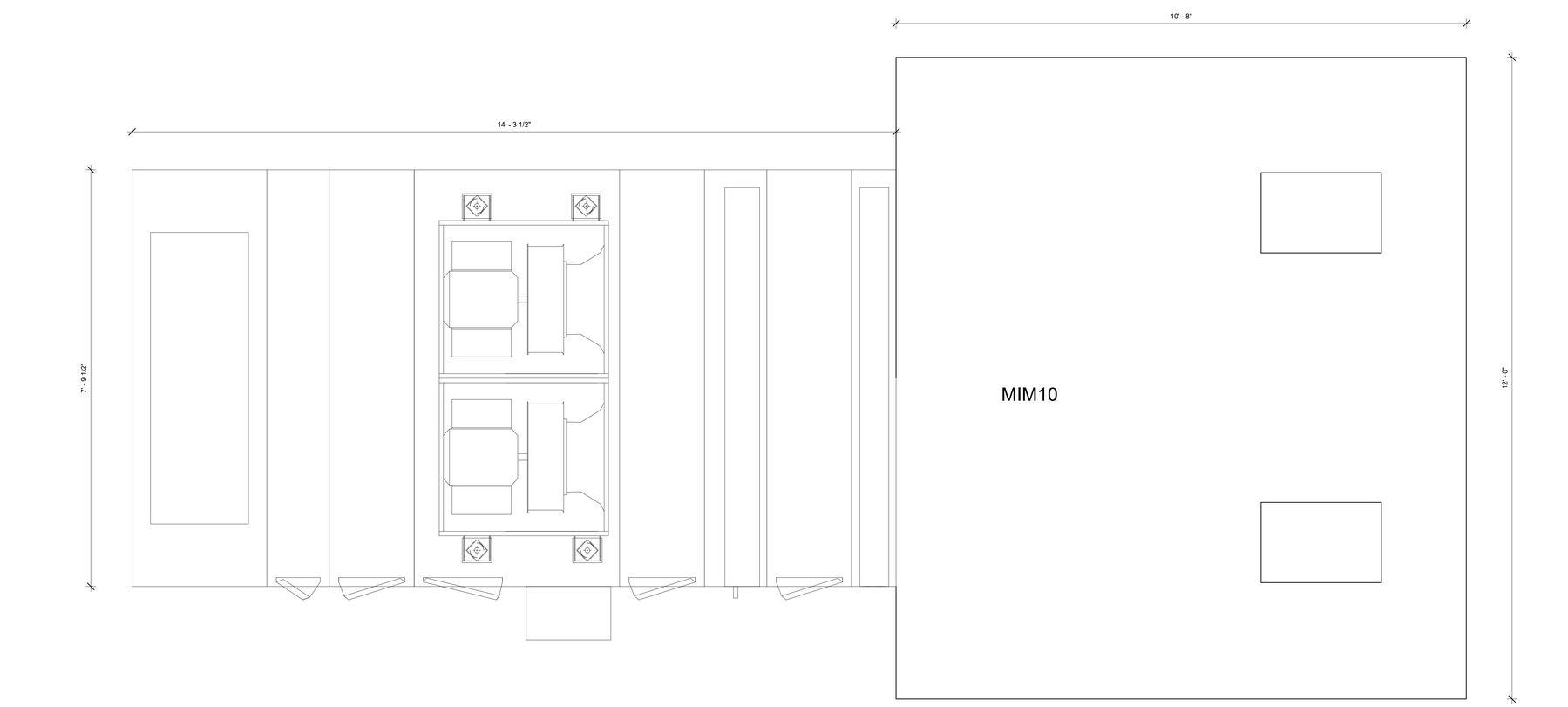
School Information



1 AHU-1 & 2 SECTIONS (TRANE CSAA 35 - TOP VIEW)
1" = 1'-0"



2 AHU-3 SECTIONS (TRANE CSAA 30 - TOP VIEW)
1" = 1'-0"

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DATE:	
PROJECT NO:	751
CAD DWG FILE:	
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CHECKED BY:	Checker

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MECHANICAL DIAGRAMS

M-602

Bridgers & Paxton Project No: 8226
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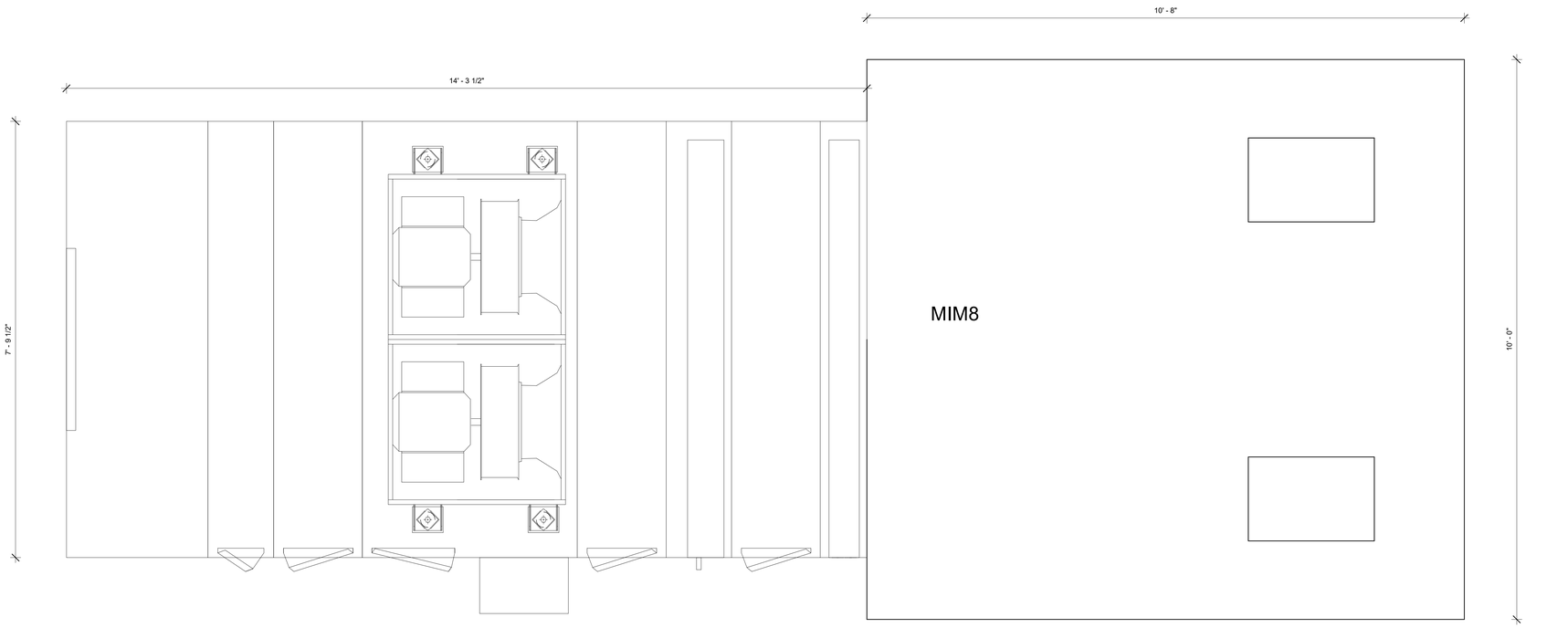
School Information



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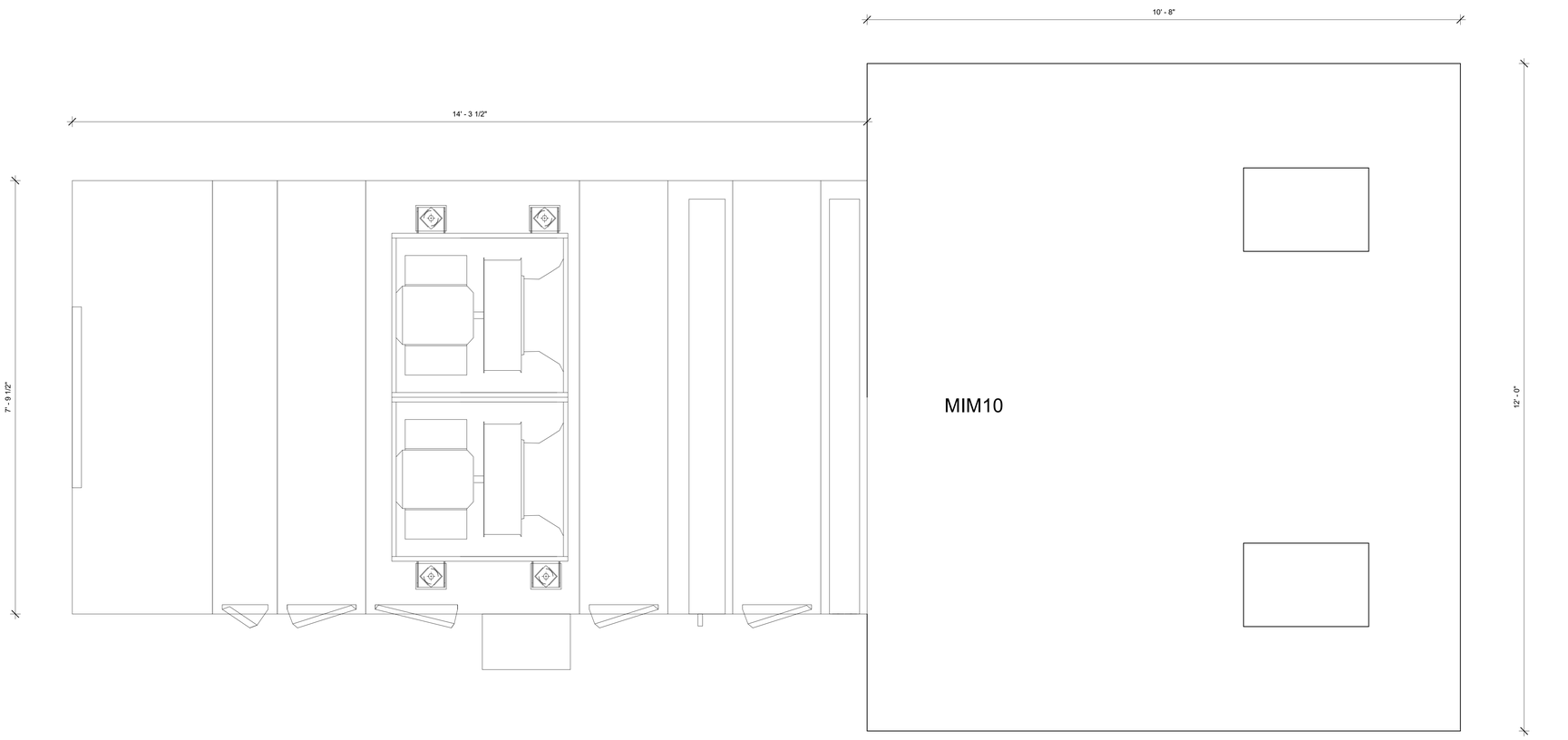

2 AHU-5 SECTIONS (TRANE CSAA 30 - TOP VIEW)
1" = 1'-0"

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PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL DIAGRAMS

M-603

Dzilth-Na-O-Dith-Hle - New School
Bridgers & Paxton Project No: 8226
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School Information

INSTRUMENTATION SOCIETY OF AMERICA TABLE

	FIRST LETTER		SUCCEEDING LETTERS		
	MEASURING OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER FLAME		USER CHOICE	USER CHOICE	USER CHOICE
C	CONDUCTIVITY			CONTROL (13)	
D	DENSITY	DIFFERENTIAL			
E	VOLTAGE		SENSOR PRIMARY ELEMENT		
F	FLOW RATE	RATIO FRACTION			
G	GAUGE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT		INDICATE		
J	POWER	SCAN			
K	TIME	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	MOTION	MOMENTARY			MIDDLE INTERMEDIATE
N	HUMIDITY		USER DEFINED	USER DEFINED	USER DEFINED
O	USER CHOICE		ORIFICE RESTRICTION		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTI-VARIABLE		MULTI-FUNCTION	MULTI-FUNCTION	MULTI-FUNCTION
V	VIBRATION, MECHANICAL ANALYSIS		VALVE, DAMPER LOUVER		
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X-AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y-AXIS		RELAY, COMPUTE CONVERT	
Z	POSITION DIMENSION	Z-AXIS		DRIVER, ACTUATOR UNCLASSIFIED FINAL CONTROL ELEMENT	

INSTRUMENTATION TYPE ABBREVIATION LIST

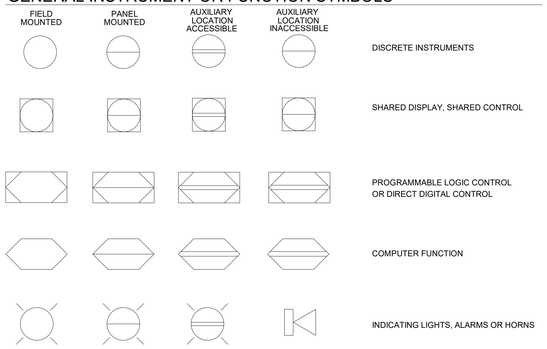
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
AA	ANALYTICAL ALARM	LA	LEVEL ALARM	VA	VIBRATION ALARM
AE	ANALYTICAL ELEMENT	LC	LEVEL CONTROLLER (STAND ALONE)	VS	VIBRATION SWITCH
AET	ANALYTICAL ELEMENT TRANSMITTER	LCV	LEVEL CONTROL VALVE		
AI	ANALYTICAL INDICATOR	LE	LEVEL ELEMENT	XV	SOLENOID VALVE
AC	ANALYTICAL CONTROLLER	LIC	LEVEL INDICATING CONTROLLER		
AIC	ANALYTICAL INDICATING CONTROLLER	LIT	LEVEL INDICATING TRANSMITTER	YA	EQUIPMENT ALARM
AT	ANALYTICAL TRANSMITTER	LS	LEVEL SWITCH	YI	EQUIPMENT STATUS
AIT	ANALYTICAL INDICATING CONTROLLER	LT	LEVEL TRANSMITTER	YCD	SMOKE DAMPER
ACV	ANALYTICAL CONTROL VALVE	LY	LEVEL SIGNAL CONVERTER	YS	SMOKE DETECTOR
AY	ANALYTICAL SIGNAL CONVERTER				
		MV	MANUAL HAND VALVE	ZC	POSITION CONTROL
EI	VOLTAGE INDICATOR			ZI	POSITION INDICATOR
EA	VOLTAGE ALARM	NT	HUMIDITY TRANSMITTER	ZS	POSITION SWITCH
ES	VOLTAGE SWITCH (CONTROL RELAY)				
ESL	VOLTAGE SWITCH LOW (24 VAC OR LESS)	PA	PRESSURE ALARM		
ET	VOLTAGE TRANSMITTER	PCV	PRESSURE CONTROL VALVE	VA	VIBRATION ALARM
EY	VOLTAGE SIGNAL CONVERTER	PDI	PRESSURE DIFFERENTIAL INDICATOR	VS	VIBRATION SWITCH
		PDS	PRESSURE DIFFERENTIAL SWITCH		
FA	FLOW ALARM	PDT	PRESSURE DIFFERENTIAL TRANSMITTER		
FCV	FLOW CONTROL VALVE	PI	PRESSURE INDICATOR		
FE	FLOW ELEMENT	PIS	PRESSURE INDICATING SWITCH		
FET	FLOW ELEMENTTRANSMITTER	PIT	PRESSURE INDICATING TRANSMITTER		
FI	FLOW INDICATOR	PS	PRESSURE SWITCH		
FIT	FLOW INDICATING TRANSMITTER	PT	PRESSURE TRANSMITTER		
FS	FLOW SWITCH	PY	PRESSURE SIGNAL CONVERTER		
FT	FLOW TRANSMITTER				
FY	FLOW SIGNAL CONVERTER	SC	SPEED CONTROL		
		SCM	SPEED CONTROL MANUAL		
HK	MANUAL VARIABLE CONTROL				
HS	HAND SWITCH	TA	TEMPERATURE ALARM		
HSI	HAND SWITCH INDICATOR	TC	TEMPERATURE CONTROLLER		
		TCV	TEMPERATURE CONTROL VALVE		
II	CURRENT INDICATOR	TE	TEMPERATURE ELEMENT		
IA	CURRENT ALARM	TET	TEMPERATURE ELEMENT TRANSMITTER		
IS	CURRENT SWITCH	TI	TEMPERATURE INDICATOR		
IT	CURRENT TRANSMITTER	TIT	TEMPERATURE INDICATING TRANSMITTER		
IY	CURRENT SIGNAL CONVERTER	TIC	TEMPERATURE INDICATING CONTROLLER		
		TS	TEMPERATURE SWITCH		
JIT	POWER INDICATING TRANSMITTER	TSL	FREEZE STAT		
JY	POWER SIGNAL CONVERTER	TT	TEMPERATURE TRANSMITTER		
KC	TIME CLOCK				

FMS SYSTEM OPERATING CONSTRAINTS

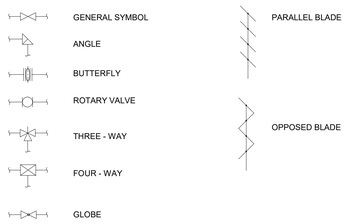
THE FMS CONTROL SYSTEM SHALL OPERATE WITHIN THE FOLLOWING SYSTEM CONSTRAINTS FOR CONTROL:

SUPPLY AIR DRYBULB TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
MIXED AIR DRYBULB TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
DUCT STATIC PRESSURE	+/- 0.1" W.C. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
SUPPLY/ RETURN AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
OUTSIDE AIR/ RELIEF AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
BUILDING PRESSURE	+/- 0.01" W.C. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
ROOM TEMPERATURE	+/- 1.0°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
ROOM AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
HUMIDITY LEVEL	+/- 2.5% R.H. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER TEMPERATURE	+/- 1.0°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER DIFFERENTIAL PRESSURE	+/- 1.0 PSI OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL

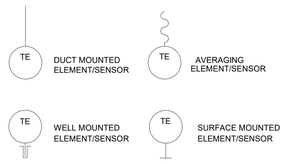
GENERAL INSTRUMENT OR FUNCTION SYMBOLS



CONTROL VALVE BODY/ DAMPER SYMBOLS

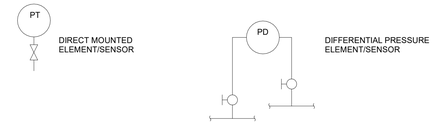


TEMPERATURE

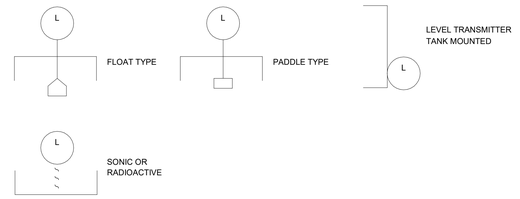


CURRENT

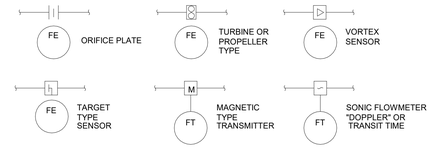
PRESSURE



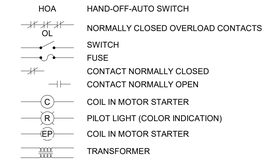
LEVEL



FLOW



LADDER DIAGRAM SYMBOLS



ABBREVIATIONS

IA	INSTRUMENTATION AIR
DDC	DIRECT DIGITAL CONTROL
C	COMMON VALVE PORT
F.O	FAIL OPEN
F.C	FAIL CLOSED
SR	SPRING RANGE
TR	THROTTLING RANGE
PH	PREHEAT
HR	HEAT RECOVERY
CPA	CONTROL POINT ADJUSTMENT
SPDT	SINGLE POLE DOUBLE THROW
DPDT	DOUBLE THROW DOUBLE POLE
DA	DIRECT ACTING
RA	REVERSE ACTING

PROCESS CODES

TW	COOLING TOWER OR CONDENSER WATER
CHW	CHILLED WATER
SCHW	SECONDARY CHILLED WATER
HW	HOT WATER
SHW	SECONDARY HOT WATER
STM	STEAM

LINE LEGEND

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ARCHITECT

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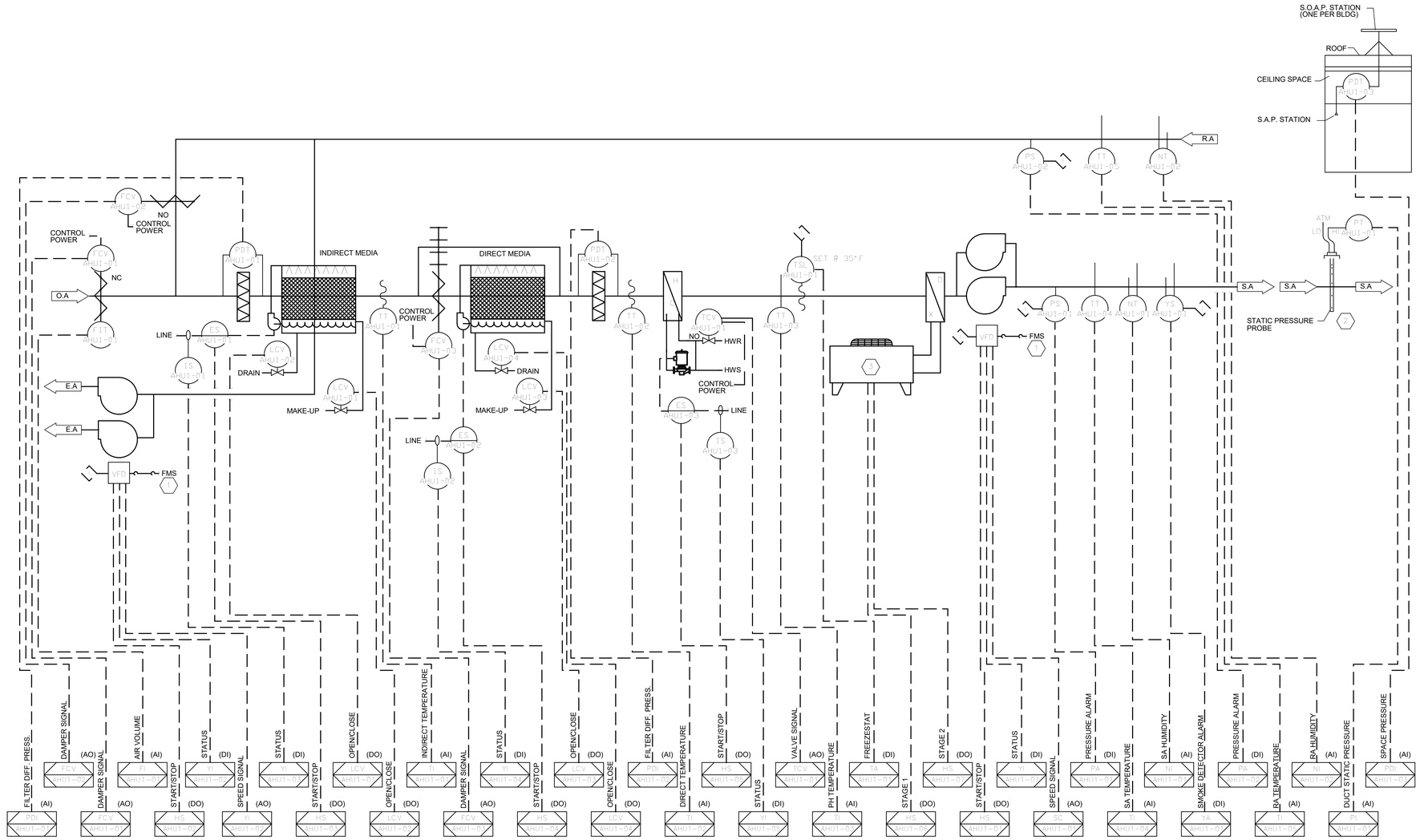
MECHANICAL CONTROLS LEGEND

MI001

School Information



AIR HANDLING UNIT AHU-1 CONTROL DIAGRAM
(TYPICAL FOR AHU-2, AHU-3, & AHU-4)

KEYED NOTES

1. VFD'S SHALL BE CONNECTED TO THE FMS NETWORK THROUGH A DIRECT NETWORK CONNECTION AS WELL AS THROUGH THE HARDWIRED POINTS INDICATED. IT IS THE RESPONSIBILITY OF THE FMS CONTRACTOR TO COORDINATE AND ADAPT THE FMS NETWORK TO THE COMMUNICATIONS PROTOCOLS AVAILABLE FROM THE VFD MANUFACTURER. THE FOLLOWING POINTS SHALL BE INTEGRATED INTO THE FMS:
   - A. SPEED FEEDBACK
   - B. FREQUENCY OUTPUT
   - C. CURRENT
   - D. TORQUE
   - E. POWER
   - F. DC BUS VOLTAGE
   - G. OUTPUT VOLTAGE
   - H. KWH COUNTER
   - I. DRIVE TEMPERATURE
   - J. ALARMS
   - K. STATUSES
2. PROVIDE A MINIMUM OF ONE STATIC PRESSURE PROBE PER FLOOR FOR EACH AIR HANDLING UNIT. LOCATE THE STATIC PRESSURE PROBES ⅔ THE LENGTH OF THE MAIN DUCT RUNS.
3. PROVIDE FIELD INSTALLATION OF ALL SENSORS, SAFETIES, AND VALVES FURNISHED WITH THE CONDENSING UNIT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE AN FMS START/STOP POINT FOR EACH COOLING STAGE IN THE CONDENSING UNIT.

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OCTOBER 01, 2020

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MECHANICAL CONTROLS DIAGRAMS

MI601

School Information

Bridgers & Paxton Project No. 8226
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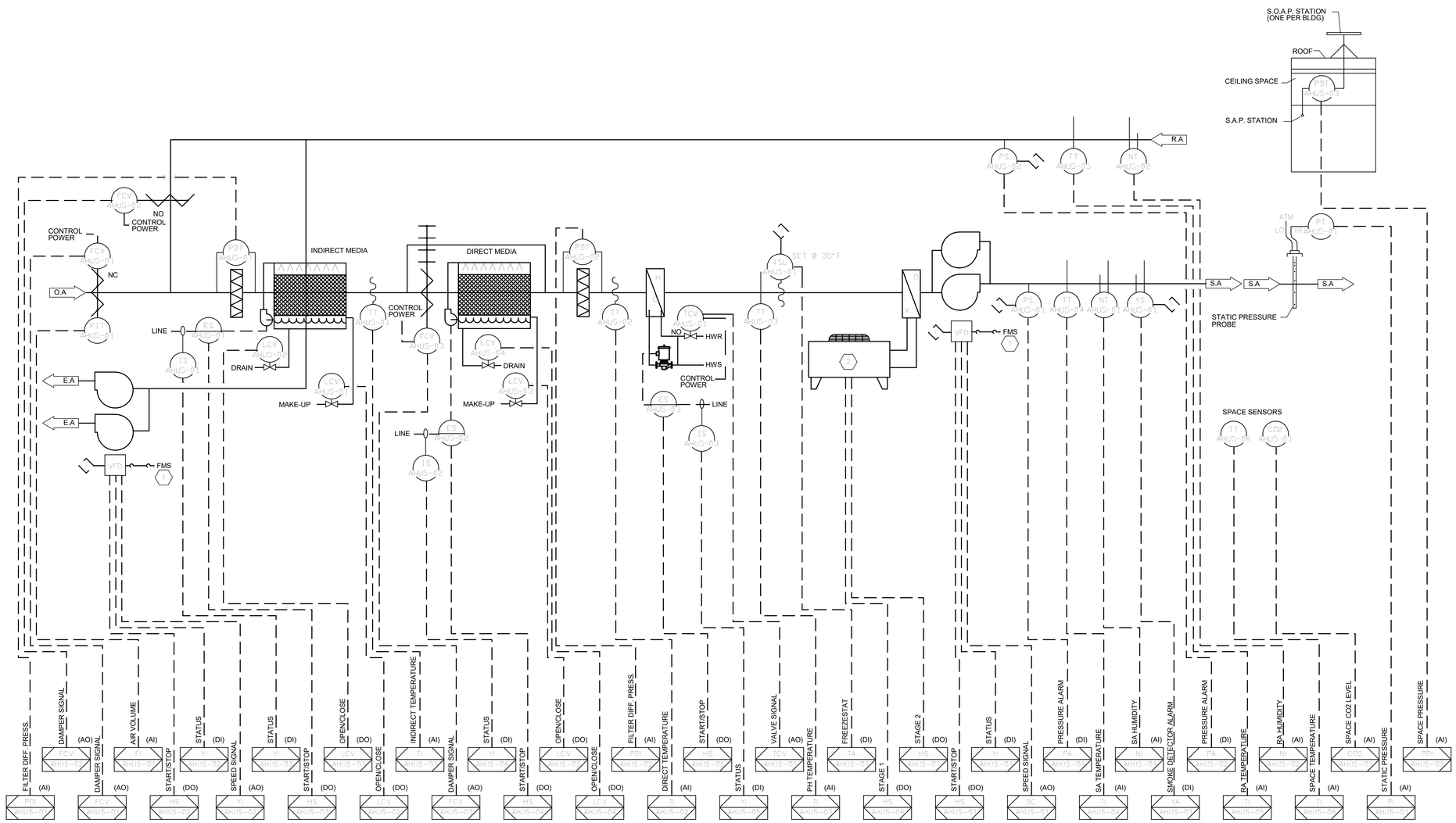
KEYED NOTES

1. VFD'S SHALL BE CONNECTED TO THE FMS NETWORK THROUGH A DIRECT NETWORK CONNECTION AS WELL AS THROUGH THE HARDWIRED POINTS INDICATED. IT IS THE RESPONSIBILITY OF THE FMS CONTRACTOR TO COORDINATE AND ADAPT THE FMS NETWORK TO THE COMMUNICATIONS PROTOCOLS AVAILABLE FROM THE VFD MANUFACTURER. THE FOLLOWING POINTS SHALL BE INTEGRATED INTO THE FMS:

   A. SPEED FEEDBACK
   B. FREQUENCY OUTPUT
   C. CURRENT
   D. TORQUE
   E. POWER
   F. DC BUS VOLTAGE
   G. OUTPUT VOLTAGE
   H. KWH COUNTER
   I. DRIVE TEMPERATURE
   J. ALARMS
   K. STATUSES

2. PROVIDE FIELD INSTALLATION OF ALL SENSORS, SAFETIES, AND VALVES FURNISHED WITH THE CONDENSING UNIT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE AN FMS START/STOP POINT FOR EACH COOLING STAGE IN THE CONDENSING UNIT.



GYM AIR HANDLING UNIT AHU-5 CONTROL DIAGRAM

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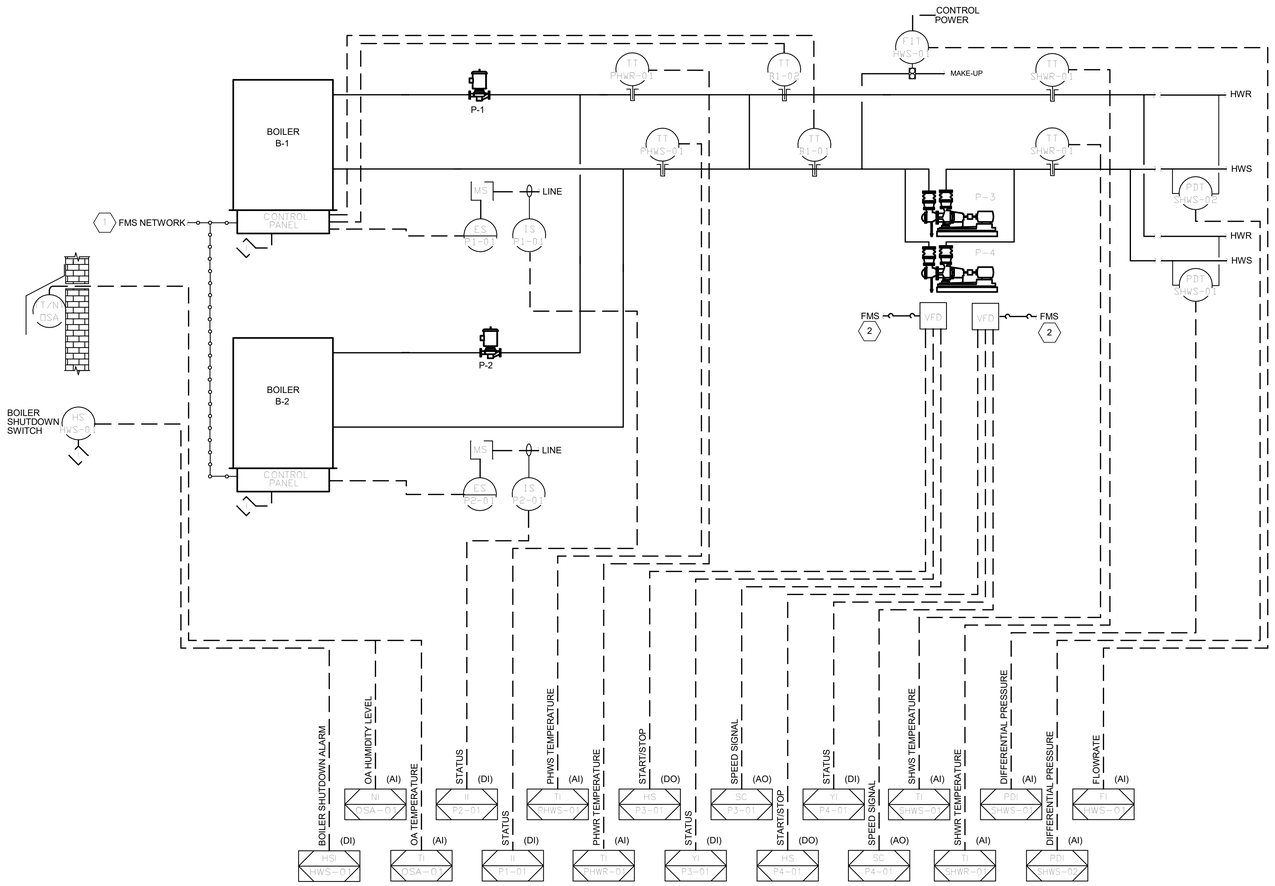
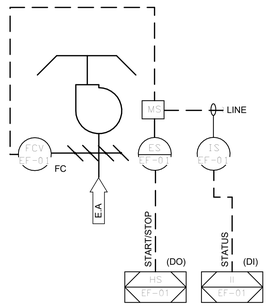
MECHANICAL CONTROLS DIAGRAMS

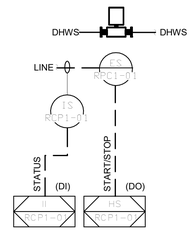
MI602



TYPICAL HOT WATER SYSTEM CONTROL DIAGRAM



TYPICAL GENERAL EXHAUST FAN CONTROL DIAGRAM



TYPICAL DOMESTIC HW PUMP CONTROL DIAGRAM
(TYPICAL FOR RCP-1, RCP-2, & RCP-3)

KEYED NOTES

1. THE BOILER SYSTEM SHALL BE CONNECTED TO THE FMS NETWORK THROUGH A DIRECT MODBUS OR BACNET NETWORK CONNECTION AS INDICATED. THE FOLLOWING POINTS SHALL BE INTEGRATED INTO AND MONITORED BY THE FMS IF AVAILABLE FROM THE MANUFACTURER:
   - A. SYSTEM ENABLE/DISABLE COMMAND
   - B. OPERATING FIRING RATE
   - C. RUNTIME STATUS
   - D. SYSTEM ALARMS
   - E. PUMP ON/OFF COMMANDED STATUSES
   - F. BOILER OUTLET TEMPERATURE SETPOINT
   - G. BOILER OUTLET TEMPERATURE
   - H. BOILER INLET TEMPERATURE
   - I. SYSTEM HOT WATER SUPPLY SETPOINT COMMAND
   - J. SYSTEM HOT WATER SUPPLY TEMPERATURE
   - K. SYSTEM HOT WATER RETURN TEMPERATURE
2. VFD'S SHALL BE CONNECTED TO THE FMS NETWORK THROUGH A DIRECT NETWORK CONNECTION AS WELL AS THROUGH THE HARDWIRED POINTS INDICATED. IT IS THE RESPONSIBILITY OF THE FMS CONTRACTOR TO COORDINATE AND ADAPT THE FMS NETWORK TO THE COMMUNICATIONS PROTOCOLS AVAILABLE FROM THE VFD MANUFACTURER. THE FOLLOWING POINTS SHALL BE INTEGRATED INTO THE FMS:
   - A. SPEED FEEDBACK
   - B. FREQUENCY OUTPUT
   - C. CURRENT
   - D. TORQUE
   - E. POWER
   - F. DC BUS VOLTAGE
   - G. OUTPUT VOLTAGE
   - H. KWH COUNTER
   - I. DRIVE TEMPERATURE
   - J. ALARMS
   - K. STATUSES

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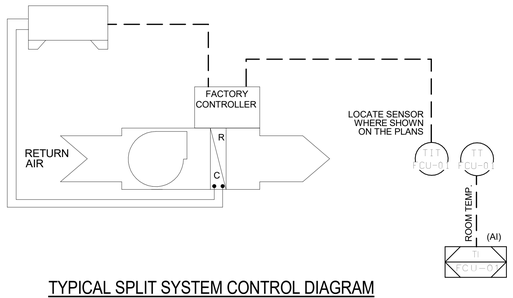
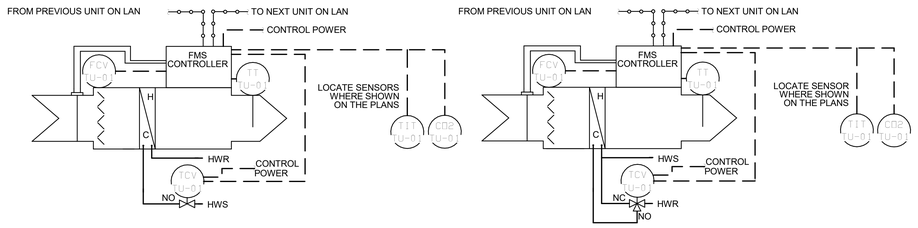
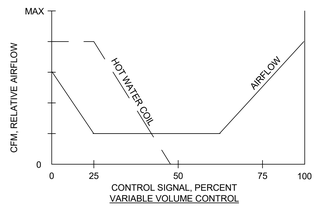
MECHANICAL CONTROLS DIAGRAMS

MI603



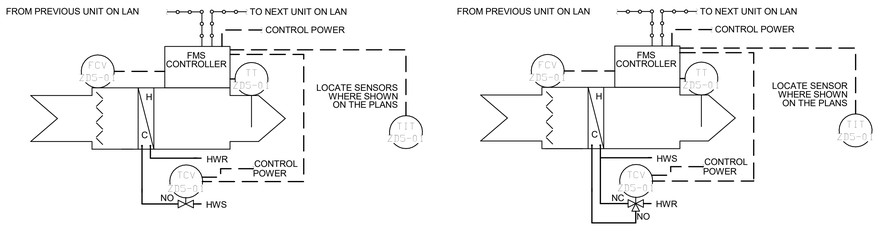
TYPICAL SPLIT SYSTEM CONTROL DIAGRAM

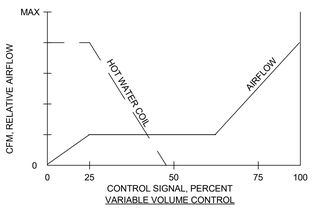




THE TERMINAL UNIT SHALL PROVIDE THE FLOW CHARISTICS SHOWN ON THE GRAPH. EACH TERMINAL UNIT SHALL BE EQUIPPED WITH ITS OWN STAND ALONE CONTROLLER WHICH SHALL HAVE THE CAPABILITIES DESCRIBED IN THE SPECIFICATION. THE WIRING SHOWN IS PROVIDED AS A GENERAL DESCRIPTION AND IS NOT AS A DETAILED WIRING DIAGRAM WHICH VARIES WITH THE MANUFACTURER.

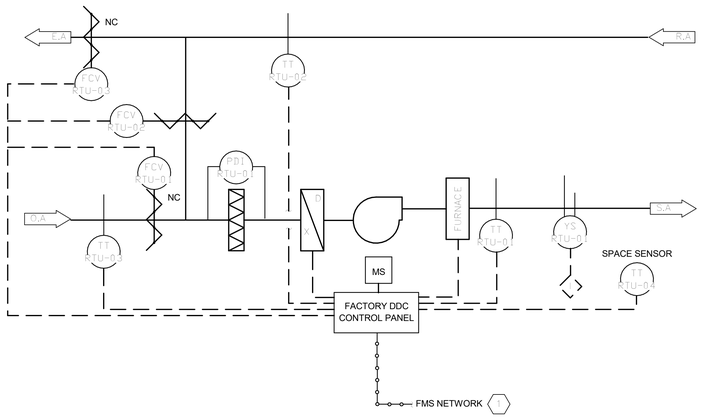
TYPICAL VAV TERMINAL UNIT WITH HW REHEAT CONTROL DIAGRAM





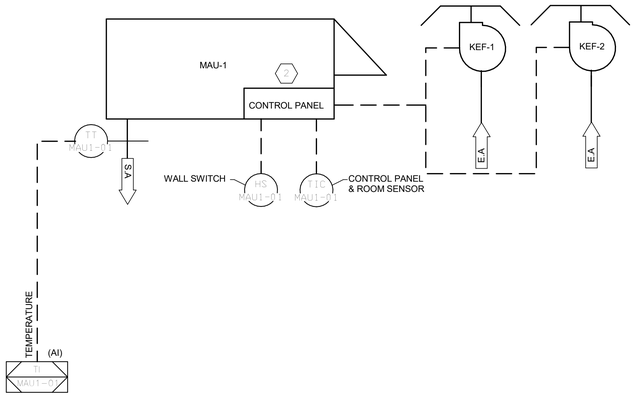
THE TERMINAL UNIT SHALL PROVIDE THE FLOW CHARISTICS SHOWN ON THE GRAPH. EACH TERMINAL UNIT SHALL BE EQUIPPED WITH ITS OWN STAND ALONE CONTROLLER WHICH SHALL HAVE THE CAPABILITIES DESCRIBED IN THE SPECIFICATION. THE WIRING SHOWN IS PROVIDED AS A GENERAL DESCRIPTION AND IS NOT AS A DETAILED WIRING DIAGRAM WHICH VARIES WITH THE MANUFACTURER.

TYPICAL ZONE DAMPER WITH HW REHEAT CONTROL DIAGRAM

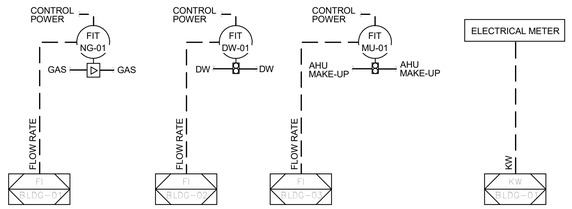


EACH AIR HANDLING UNIT SHALL BE FURNISHED WITH FACTORY DDC CONTROLS FOR THE AIR HANDLING UNIT. THE AIR HANDLING UNIT SHALL BE CONNECTED TO THE FMS THROUGH A FMS COMMUNICATIONS TRUNK USING A BACNET COMMUNICATIONS CONNECTION. THE CONTRACTOR SHALL PROVIDE INSTALLATION FOR ALL FIELD INSTALLED DEVICES FURNISHED WITH THE MECHANICAL EQUIPMENT. REFER TO SPECIFICATIONS FOR MORE INFORMATION. REFER TO SEQUENCE OF OPERATIONS FOR CONTROL FUNCTIONALITY.

PACKAGED ROOFTOP AIR HANDLING UNIT CONTROL DIAGRAM



KITCHEN SYSTEMS CONTROL DIAGRAM



TYPICAL BUILDING METERING CONTROL DIAGRAM

KEYED NOTES

1. THE PACKAGED ROOFTOP UNITS SHALL BE CONNECTED TO THE FMS NETWORK THROUGH A BACNET NETWORK CONNECTION AS INDICATED. THE CONTRACTOR SHALL COORDINATE WITH THE UNIT MANUFACTURER AND SUBMIT A PROPOSED LIST OF POINTS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. THE FOLLOWING POINTS SHALL BE INTEGRATED INTO AND MONITORED BY THE FMS IF AVAILABLE IN THE UNIT CONTROLLER.

   A. SYSTEM SETPOINTS
   B. SYSTEM DIAGNOSTICS
   C. SYSTEM SENSOR INPUTS
   D. SUPPLY FAN MODE STATUS
   E. SUPPLY FAN STATUS
   F. UNIT HEAT/COOL MODE
   G. ZONE TEMPERATURE
   H. EXHAUST DAMPER POSITION
   I. ECONOMIZER POSITION
   J. ECONOMIZER MINIMUM POSITION SETPOINT,
   K. ECONOMIZER SETPOINT
   L. ON/OFF STATUS OF COMPRESSORS
   M. HEATING OUTPUT
   N. REFRIGERANT EVAPORATOR TEMPERATURE
   O. SATURATED CONDENSER TEMPERATURE
   P. VENTILATION OVERRIDE MODE STATUS
   Q. OUTSIDE AIR TEMPERATURE
   R. RETURN AIR TEMPERATURE
   S. SUPPLY AIR TEMPERATURE

   THE FOLLOWING POINTS SHALL BE INTEGRATED INTO AND CONTROLLED BY THE FMS:

   A. COOLING SETPOINT
   B. HEATING SETPOINT
   C. ZONE TEMPERATURE SETPOINT
   D. ZONE VALUES
   E. HEATING ENABLE/DISABLE
   F. COOLING ENABLE/DISABLE
   G. ENONOMIZER ENABLE/DISABLE
   H. ECONOMIZER SETPOINT
   I. ECONOMIZER MINIMUM POSITION SETPOINT
   J. ACTIVATION OF VENTILATION OVERRIDE
   K. DIAGNOSTICS RESET
   L. UNIT PRIORITY SHUTDOWN
   M. SUPPLY FAN MODE

2. PROVIDE INTERLOCK WIRING BETWEEN MAKE-UP UNIT, EXHAUST FAN, AND HOODS AS REQUIRED BY MANUFACTURER.

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MECHANICAL CONTROLS DIAGRAMS

MI604

SEQUENCE OF OPERATION

General

Programming
The FMS shall be programmed according to the following sequence of operations including all energy reduction operations described in this sequence and in the project specifications.

System Status Display
The FMS shall provide operating status for all systems controlled by the FMS. The displays shall include all points indicated on the drawings and any others required to achieve the sequence of operations. The FMS shall be able to integrate system diagnostics into control action decisions. This shall also include the ability to designate individual units as being in maintenance mode to avoid generating alarms. All system control and status events shall be recorded, at the operator's selection, in the FMS event log to facilitate troubleshooting. All detected alarms or failures shall initiate an alarm within the FMS.

Power Failure Recovery
The FMS shall contain a power failure recovery mode (operator adjustable). The power failure recovery capability shall return the system to its last state (before the building lost power). Refer to power system recovery sequence for more details.

Occupancy Control
The FMS shall be setup with an occupancy schedule for different areas of the building. The owner shall be interviewed by the contractor at start-up to establish these schedules. Some areas of the building shall be setup to be continuously occupied.

Emergency Outdoor Air Override
The FMS shall have an emergency outdoor air override switch on the main graphic at the operator workstation which will allow the operator to shutdown the outside air intake dampers and relief dampers for all air handling units in the event that toxic odors are detected outside. When the outside air and relief dampers fully close, the return air damper shall fully open. The outside air intake dampers for all units shall remain closed until the operator resets the override

Air Handling Units AHU-1, AHU-2, AHU-3 & AHU-4

Minimum Outside Air Setpoint Control
The FMS shall monitor the CO2 level in the spaces throughout the building in locations indicated on the mechanical floor plans. The time based average for each CO2 sensor shall be calculated in an interval of 20 minutes (adjustable). The calculated value shall be used for control. In the event any of the CO2 levels rise above setpoint in accordance with ASHRAE 62.1 guidelines, the FMS shall first gradually increase the flowrate of the terminal unit to induce additional outside air into the space. If the terminal unit reaches its maximum airflow setpoint and the CO2 level is still not below setpoint, the FMS shall reset the minimum outside air volume setpoint for the associated unit to induce more outside air into the air handling unit. The minimum outside air volume setpoint shall be reset between the scheduled minimum and maximum setpoints. The FMS shall initiate an alarm if the concentration levels rise 20% (adjustable) above setpoint. The FMS shall trend all carbon dioxide levels measured.

Minimum Outside Air Control
The minimum outside air volume shall be controlled by the FMS through the outside air flow measuring damper which measures the outside air volume. The FMS shall not modulate the outside air damper below minimum outside air volume setpoint. If the air handling unit is stopped, the FMS shall close the damper. The FMS shall trend and log the outside air volume being brought in by the air handling unit. If the outside air volume falls below 85% of the setpoint for a period of 10 minutes, the FMS shall initiate an alarm.

Mixed Air Damper Interlocks
Control signals from the FMS system shall modulate the mixed air dampers. Upon initial start-up, the FMS system shall not begin modulation of the mixing dampers for five minutes (adjustable) to allow the control loops to stabilize.

Supply Air Temperature Setpoint Control
The FMS shall control the air handling unit to maintain an adjustable supply air temperature setpoint. The temperature setpoint shall be reset based on the demand of the terminal units served by it so that at least one terminal unit is 90% open and still maintaining the room temperature setpoint. The reset range shall be between 55°F and 85°F (adjustable) drybulb. The setpoint for the direct/indirect (DI) section of the air handling unit shall be 2°F (adjustable) less than the supply air temperature setpoint. Wet bulb temperatures shall be calculated using dry bulb temperature and relative humidity levels.

Supply Air Temperature Control - Cooling
If the system requires cooling to maintain the supply air temperature at setpoint, the FMS shall control the unit through the following four stages.

Stage 1: If the outside air temperature is less than the supply air temperature the FMS shall modulate the outside air and return air dampers to maintain the DI section supply temperature at setpoint. The direct and indirect cooling pumps shall be off.

Stage 2: If the DI section setpoint cannot be maintained at setpoint with Stage 1, the FMS shall start Stage 2. The FMS shall start the indirect cooling pump and modulate the outside air and return air dampers to maintain the DI section supply temperature at setpoint. As more cooling is required, the FMS shall increase the amount of outside air being brought into the unit. If the cooling demand decreases and the outside air temperature falls below the return air temperature such that Stage 1 can meet the demand, the FMS shall stop Stage 2. The FMS shall monitor the status of the indirect pump through a current switch installed on the motor. If a pump failure occurs, the FMS shall initiate an alarm and remove Stage 2 from the staging control sequence. Once the pump is fixed and the alarm condition is cleared, Stage 2 control shall be reinserted into the staging control sequence.

Stage 3: If the DI section setpoint cannot be maintained at setpoint with Stage 2, the FMS shall start Stage 3. If the outside air wetbulb temperature is less than the supply air temperature setpoint minus a 4°F (adjustable) offset, the FMS shall start the direct cooling pump. The FMS shall fully open the outside air dampers and close the return air dampers. If the cooling demand decreases such that Stage 2 can meet the demand, or if the return humidity level rises above 60% RH (adjustable), the FMS shall stop Stage 3. The FMS shall monitor the status of the direct pump through a current switch installed on the motor. If a pump failure occurs, the FMS shall initiate an alarm and remove Stage 3 from the staging control sequence. Once the pump is fixed and the alarm condition is cleared, Stage 3 control shall be reinserted into the staging control sequence. The indirect section shall continue to operate during Stage 3 operation.

Stage 4: If the DI section setpoint cannot be maintained at setpoint with Stage 3 or if the outside air wetbulb temperature is not within the range specified, the FMS shall start stage 4. The FMS shall stop the direct cooling pump. The indirect section shall continue to operate during Stage 4 operation. The FMS shall stage the condensing unit to maintain the supply air temperature at setpoint. As the cooling demand decreases and the condensing unit is staged off, the FMS shall return to Stage 3 if the conditions of Stage 3 can be reached. Once Stage 4 is started, it shall operate for a minimum of one hour (adjustable) before the system can switch back to Stage 3 to prevent short cycling of the system.

Supply Air Temperature Control - Heating
If the system requires heating to maintain the supply air temperature at setpoint, the FMS shall position the outside air and return air dampers to the minimum outside air setpoint. The FMS shall modulate the hot water coil valve to maintain the supply air temperature setpoint. The direct and indirect pumps shall be off and chilled water coil valve shall be closed.

Hot Water Coil Pump
The FMS shall operate the hot water coil pump anytime the outside air temperature is below 35°F (adjustable) when the unit is operating. The FMS shall monitor the status of the pump through a current switch installed on the motor. If a pump failure is detected, the FMS shall initiate an alarm.

Supply Air Static Setpoint Control
The FMS shall reset the static pressure setpoint using a trim and respond logic within the range of 0.5" w.g. to 1.5" w.g. When the fan is off, the setpoint shall be 1.0" w.g. Once the fan is started, the setpoint shall be trimmed by 0.04" w.g. every two minutes if there are two or fewer zone pressure requests. If there are more than two zone pressure requests, respond by increasing the setpoint by 0.06" w.g. A zone pressure request is generated when a VAV damper is greater than 95% open until it drops to 80% open. All setpoints shall be adjustable through the operator workstation.

Supply Fan Control
The supply fan VFD shall be started and stopped by the FMS system based on an occupancy schedule for the building programmed into the FMS. The fan shall operate continuously during occupied periods. If during unoccupied periods, any of the space temperatures rise above the unoccupied cooling setpoint or fall below the unoccupied heating setpoint, the air handling unit shall start and operate to raise the space temperature 2°F (adjustable) before stopping. If during unoccupied periods, any of the space occupancy switches are activated, the air handling unit shall start and operate for a period of two hours before stopping.

Supply Fan VFD Control
The VFD shall be modulated to maintain the supply duct static pressure at a set point. The ramp of the VFD shall be adjusted to restrict the rate of change of the VFD output to sixty seconds for a zero to one hundred percent control signal change.

Supply Fan Monitoring
The VFD operation shall be indicated to the FMS through a set of contacts in the VFD. If an alarm condition is detected, the FMS shall initiate an alarm.

Relief Fan VFD Control
The FMS shall modulate the relief fans to maintain the building differential pressure measured in the space and the outside air pressure at a positive space pressure of 0.05" w.c. (adjustable) anytime the air handling unit is operating. The ramp of the VFD shall be adjusted to restrict the rate of change of the VFD output to sixty seconds for a zero to one hundred percent control signal change.

Relief Fan Monitoring
The VFD operation shall be indicated to the FMS through a set of contacts in the VFD. If an alarm condition is detected, the FMS shall initiate an alarm.

Filter Monitoring
The differential pressure across the filter shall be monitored by the FMS through a differential pressure transmitter. If the differential pressure exceeds set point, the FMS shall initiate an alarm.

Freezestat
A freezestat set at 35°F located downstream of the hot water coil shall initiate an alarm at the FMS and stop the supply fan, start the hot water coil pump, and open the hot water valve if an alarm condition is detected.

Smoke Detectors
Smoke detectors located in the supply air and return air streams, shall stop the fans through the fire alarm system if an alarm condition is detected. When the fans are stopped, the FMS shall position the dampers to their normal state.

Duct Pressure Safety Switches
Safety switches installed in the supply and return air ducts for each unit shall alarm the FMS if the duct pressure is above the high alarm setpoint. The high alarm setpoint shall be 150% of the normal operating static of the system. If the FMS senses an alarm condition, the FMS shall stop the supply and return fans.

Sump Make-up and Dump Valves
The FMS shall open the make-up valves anytime the system is not winterized. FMS shall open the dump valves based on an operator adjustable time schedule programmed into the FMS to remove solids from the water. Anytime a dump valve is open, the FMS prevent the associated make-up valve from opening and the pumps from operating. The operator shall have the ability to remotely winterize the sump system through the operator workstation. When the system is place in a winterized mode, the FMS shall open the dump valve for a period of one hour, close the make-up valve. The system shall remain in the winterized mode until released by the operator.

Start/Stop Optimization and Morning Warm-Up
The FMS shall be programmed with a self-adjusting start/stop optimization sequence which shall provide the optimum start time for the unit in order to have the space temperature at the occupied setpoint when scheduled occupancy is to occur each day. If the spaces require heating to reach the occupied space temperature setpoints, the FMS shall operate the unit using a morning warm-up cycle. During the morning warm-up cycle, the unit shall operate with the outside air damper closed with the return air damper fully open. The FMS shall raise supply air temperature setpoint to the heating maximum temperature and operate the hot valve to maintain the supply air temperature at setpoint. Once the space temperature occupied setpoints are reached, the unit shall return to normal occupied control. Terminal units which do not require heating or have reached their occupied setpoints, shall operate with their dampers closed.

Gym Air Handling Units AHU-5

Minimum Outside Air Setpoint Control
The FMS shall monitor the CO2 level in the space at locations indicated on the mechanical floor plans. The time based average for each CO2 sensor shall be calculated in an interval of 20 minutes (adjustable). The calculated value shall be used for control. In the event any of the CO2 levels rise above setpoint in accordance with ASHRAE 62.1 guidelines, the FMS shall reset the minimum outside air volume setpoint for the associated unit to induce more outside air into the air handling unit. The minimum outside air volume setpoint shall be reset between the scheduled minimum and maximum setpoints. The FMS shall initiate an alarm if the concentration levels rise 20% (adjustable) above setpoint. The FMS shall trend all carbon dioxide levels measured.

Minimum Outside Air Control
The minimum outside air volume shall be controlled by the FMS through the outside air flow measuring damper which measures the outside air volume. The FMS shall not modulate the outside air damper below minimum outside air volume setpoint. If the air handling unit is stopped, the FMS shall close the damper. The FMS shall trend and log the outside air volume being brought in by the air handling unit. If the outside air volume falls below 90% of the setpoint for a period of 10 minutes, the FMS shall initiate an alarm.

Mixed Air Damper Interlocks
Control signals from the FMS system shall modulate the mixed air dampers. Upon initial start-up, the FMS system shall not begin modulation of the mixing dampers for five minutes (adjustable) to allow the control loops to stabilize.

Supply Air Temperature Setpoint Control
The FMS shall control the air handling unit to maintain an adjustable supply air temperature setpoint. The temperature setpoint shall be reset from 55°F (adjustable) to 95°F (adjustable) based on the demand of the spaces to maintain the space temperature at setpoints. The cooling setpoints shall be 76 °F (adjustable) for occupied periods and 85°F (adjustable) during unoccupied periods. The heating setpoints shall be 72°F (adjustable) for occupied periods and 55°F (adjustable) for unoccupied periods. The main Gym temperature shall normally control the unit unless overriden by the operator.

Supply Air Temperature Control - Cooling
If the system requires cooling to maintain the supply air temperature at setpoint, the FMS shall control the unit through the following four stages.

Stage 1: If the outside air temperature is less than the supply air temperature the FMS shall modulate the outside air and return air dampers to maintain the DI section supply temperature at setpoint. The direct and indirect cooling pumps shall be off.

Stage 2: If the DI section setpoint cannot be maintained at setpoint with Stage 1, the FMS shall start Stage 2. The FMS shall start the indirect cooling pump and modulate the outside air and return air dampers to maintain the DI section supply temperature at setpoint. As more cooling is required, the FMS shall increase the amount of outside air being brought into the unit. If the cooling demand decreases and the outside air temperature falls below the return air temperature such that Stage 1 can meet the demand, the FMS shall stop Stage 2. The FMS shall monitor the status of the indirect pump through a current switch installed on the motor. If a pump failure occurs, the FMS shall initiate an alarm and remove Stage 2 from the staging control sequence. Once the pump is fixed and the alarm condition is cleared, Stage 2 control shall be reinserted into the staging control sequence.

Stage 3: If the DI section setpoint cannot be maintained at setpoint with Stage 2, the FMS shall start Stage 3. If the outside air wetbulb temperature is less than the supply air temperature setpoint minus a 4°F (adjustable) offset, the FMS shall start the direct cooling pump. The FMS shall fully open the outside air dampers and close the return air dampers. If the cooling demand decreases such that Stage 2 can meet the demand, or if the return humidity level rises above 60% RH (adjustable), the FMS shall stop Stage 3. The FMS shall monitor the status of the direct pump through a current switch installed on the motor. If a pump failure occurs, the FMS shall initiate an alarm and remove Stage 3 from the staging control sequence. Once the pump is fixed and the alarm condition is cleared, Stage 3 control shall be reinserted into the staging control sequence. The indirect section shall continue to operate during Stage 3 operation.

Stage 4: If the DI section setpoint cannot be maintained at setpoint with Stage 3 or if the outside air wetbulb temperature is not within the range specified, the FMS shall start stage 4. The FMS shall stop the direct cooling pump. The indirect section shall continue to operate during Stage 4 operation. The FMS shall stage the condensing unit to maintain the supply air temperature at setpoint. As the cooling demand decreases and the condensing unit is staged off, the FMS shall return to Stage 3 if the conditions of Stage 3 can be reached. Once Stage 4 is started, it shall operate for a minimum of one hour (adjustable) before the system can switch back to Stage 3 to prevent short cycling of the system.

Supply Air Temperature Control - Heating
If the system requires heating to maintain the supply air temperature at setpoint, the FMS shall position the outside air and return air dampers to the minimum outside air setpoint. The FMS shall modulate the hot water coil valve to maintain the supply air temperature setpoint. The direct and indirect pumps shall be off and chilled water coil valve shall be closed.

Hot Water Coil Pump
The FMS shall operate the hot water coil pump anytime the outside air temperature is below 35°F (adjustable) when the unit is operating. The FMS shall monitor the status of the pump through a current switch installed on the motor. If a pump failure is detected, the FMS shall initiate an alarm.

Supply Fan Control
The supply fan VFD shall be started and stopped by the FMS system based on an occupancy schedule for the building programmed into the FMS. The fan shall operate continuously during occupied periods. If during unoccupied periods, the space temperatures rises above the unoccupied cooling setpoint or falls below the unoccupied heating setpoint, the air handling unit shall start and operate to raise the space temperature 2°F (adjustable) before stopping. If during unoccupied periods, any of the space occupancy switches are activated, the air handling unit shall start and operate for a period of two hours before stopping.

Supply Fan VFD Control
The VFD shall as an additional stage of heating or cooling. If the air handling unit is operating at it minimum supply air temperature setpoint in a cooling mode or at its maximum supply air temperature setpoint in a heating mode and the space temperature is not meeting setpoint, the FMS shall modulate up the speed of the fan from the minimum setpoint to maintain the space temperature at setpoint. As heating or cooling demand decreases the fan shall modulate back down. The ramp of the VFD shall be adjusted to restrict the rate of change of the VFD output to sixty seconds for a zero to one hundred percent control signal change.

Supply Fan Monitoring
The VFD operation shall be indicated to the FMS through a set of contacts in the VFD. If an alarm condition is detected, the FMS shall initiate an alarm.

Relief Fan VFD Control
The FMS shall modulate the relief fans to maintain the building differential pressure measured in the space and the outside air pressure at a positive space pressure of 0.05" w.c. (adjustable) anytime the air handling unit is operating. The ramp of the VFD shall be adjusted to restrict the rate of change of the VFD output to sixty seconds for a zero to one hundred percent control signal change.

Relief Fan Monitoring
The VFD operation shall be indicated to the FMS through a set of contacts in the VFD. If an alarm condition is detected, the FMS shall initiate an alarm.

Filter Monitoring
The differential pressure across the filter shall be monitored by the FMS through a differential pressure transmitter. If the differential pressure exceeds set point, the FMS shall initiate an alarm.

Freezestat
A freezestat set at 35°F located downstream of the hot water coil shall initiate an alarm at the FMS and stop the supply fan, start the hot water coil pump, and open the hot water valve if an alarm condition is detected.

Smoke Detectors
Smoke detectors located in the supply air and return air streams, shall stop the fans through the fire alarm system if an alarm condition is detected. When the fans are stopped, the FMS shall position the dampers to their normal state.

Duct Pressure Safety Switches
Safety switches installed in the supply and return air ducts for each unit shall alarm the FMS if the duct pressure is above the high alarm setpoint. The high alarm setpoint shall be 150% of the normal operating static of the system. If the FMS senses an alarm condition, the FMS shall stop the supply and return fans.

Sump Make-up and Dump Valves
The FMS shall open the make-up valves anytime the system is not winterized. FMS shall open the dump valves based on an operator adjustable time schedule programmed into the FMS to remove solids from the water. Anytime a dump valve is open, the FMS prevent the associated make-up valve from opening and the pumps from operating. The operator shall have the ability to remotely winterize the sump system through the operator workstation. When the system is place in a winterized mode, the FMS shall open the dump valve for a period of one hour, close the make-up valve. The system shall remain in the winterized mode until released by the operator.

Start/Stop Optimization and Morning Warm-Up
The FMS shall be programmed with a self-adjusting start/stop optimization sequence which shall provide the optimum start time for the unit in order to have the space temperature at the occupied setpoint when scheduled occupancy is to occur each day. If the spaces require heating to reach the occupied space temperature setpoints, the FMS shall operate the unit using a morning warm-up cycle. During the morning warm-up cycle, the unit shall operate with the outside air damper closed with the return air damper fully open. The FMS shall raise supply air temperature setpoint to the heating maximum temperature and operate the hot valve to maintain the supply air temperature at setpoint. Once the space temperature occupied setpoint is reached, the unit shall return to normal occupied control.

Zone Dampers with Hot Water Reheat
Each zone damper shall modulate the supply air damper to maintain the space temperature conditions. If the zone requires cooling, the supply air damper shall be modulated between the minimum and maximum damper position setpoints to maintain the space temperature at the cooling setpoint of 76 °F (adjustable) for occupied periods and 85°F (adjustable) during unoccupied periods if the air handling unit supply air temperature is less than the space temperature. If the zone calls for heating, the supply air damper shall be modulated to a minimum damper position setpoint and the heating valve shall be modulated open to maintain the space temperature at the heating setpoint of 72°F (adjustable) for occupied periods and 55°F for unoccupied periods. If additional heating is required when the valve is fully open, the supply air damper shall be modulated to meet the room temperature requirements. If during an unoccupied period the space occupancy switch is activated, the space shall return to the occupied setpoints for a period of two hours before switch back to the unoccupied state.

Rooftop Air Handling Unit RTU-1

General
The air handling unit shall be furnished with a complete factory packaged DDC control system. The FMS shall integrate the air handling unit controls into the FMS using a BACnet communication network connection between the two systems. The following sequence of operations shall be used as a design basis guideline for control of the unit however the exact sequence of operations shall be in accordance with the manufacturer's standard factory sequence of control for the specified unit. Refer to the air handling unit manufacturer's submittal and O&M manual for exact sequence details.

Mixed Air Damper Control
The air handling unit control system shall modulate the mixed air dampers to maintain the supply air temperature at set point. Whenever the outside air temperature is greater than the return air temperature and mechanical cooling is required, the mixed air dampers shall be in their normal position (full return air with minimum outside air). When the air handling unit is stopped, the control system shall close all outside air dampers and the relief damper and open the return air damper.

Minimum Outside Air Control
The minimum outside air volume shall be controlled by the air handling unit control system through the minimum outside air damper position setpoint set by the test and balance contractor. The control system shall not modulate the outside air damper below minimum outside air damper position setpoint when the unit is operating in an occupied mode. If the air handling unit is stopped, the control system shall close the damper.

Supply Air Temperature Control
The air handling unit control system shall modulate the gas fired furnace and stage the condensing unit to maintain the space temperature setpoint. The air handling unit control system shall prevent simultaneous heating and cooling. The cooling setpoints shall be 76 °F (adjustable) for occupied periods and 85°F (adjustable) during unoccupied periods. The heating setpoints shall be 72°F (adjustable) for occupied periods and 55°F (adjustable) for unoccupied periods.

Supply Fan Control
The supply fan shall be started and stopped by the FMS system based on an occupancy schedule for the space programmed into the FMS. The fan shall operate continuously during occupied periods. If during unoccupied periods, the space temperature rises above the unoccupied cooling setpoint or falls below the unoccupied heating setpoint, the air handling unit shall start and operate to change the space temperature 2°F (adjustable) before stopping. If during unoccupied periods, the space occupancy switch is activated, the air handling unit shall start and operate for a period of two hours before stopping.

Supply Fan Monitoring
The fan operation shall be indicated to the air handling unit control system through a current switch or other flow indicator. If an alarm condition is detected, the FMS shall initiate an alarm.

Supply Air Low Limit Lockout
If the supply air temperature leaving the unit falls below 35°F, the air handling unit control system shall shutdown the unit and an alarm shall be generated by the FMS.

Smoke Detector
A smoke detector located in the supply air stream, shall stop the fans if an alarm condition is detected. When the fans are stopped, the air handling unit control system shall position the dampers to their normal state.

Start/Stop Optimization and Morning Warm-Up
The FMS shall be programmed with a self-adjusting start/stop optimization sequence which shall provide the optimum start time for the unit in order to have the space temperature at the occupied setpoint when scheduled occupancy is to occur each day. If the space requires heating to reach the occupied space temperature setpoint, the FMS shall operate the unit using a morning warm-up cycle. During the morning warm-up cycle, the unit shall operate with the outside air and relief air damper closed with the return air damper fully open. The FMS shall raise supply air temperature setpoint to the heating maximum temperature and operate the hot valve to maintain the supply air temperature at setpoint. Once the space temperature occupied setpoint is reached, the unit shall return to normal occupied control.

Variable Air Volume Terminal Units w/ Hot Water Reheat

Each terminal unit shall modulate the supply air damper to maintain the space temperature conditions. If the zone requires cooling, the supply air damper shall be modulated between the minimum and maximum cooling air flows to maintain the space temperature at the cooling setpoint of 76 °F (adjustable) for occupied periods and 85°F (adjustable) during unoccupied periods. If the zone calls for heating, the supply air damper shall be modulated to a minimum and the heating valve shall be modulated open to maintain the space temperature at the heating setpoint of 72°F (adjustable) for occupied periods and 55°F for unoccupied periods. If additional heating is required when the valve is fully open, the supply air damper shall be modulated to meet the room temperature requirements. If during an unoccupied period the space occupancy switch is activated, the space shall return to the occupied setpoints for a period of two hours before switch back to the unoccupied state.

General Exhaust Fans

Exhaust Fan Control
Each fan shall operate based on the occupancy schedule in the FMS. The fan shall operate continuously during occupied periods.

Exhaust Fan Monitoring
The fan operation shall be indicated to the FMS through a current switch installed in the motor starter. If a fan failure is detected, the FMS shall stop the fan and initiate an alarm

Exhaust Fan Isolation Damper Control
Each exhaust fan damper shall be open anytime the fan is operating. If the fan is stopped, the damper shall close.

Typical Split System

Each unit shall be provided with a factory packaged control system which shall control the unit to maintain the space temperature at setpoint. The FMS shall monitor the space temperature through a separate space temperature sensor and shall initiate an alarm if the space temperature rises above the space high temperature alarm setpoint.

Domestic Hot Water Pump

Pump Control
Each pump shall operate based on the occupancy schedule in the FMS. The pump shall operate continuously during occupied periods.

Pump Monitoring
The pump operation shall be indicated to the FMS through a current switch installed in the motor starter. If a pump failure is detected, the FMS shall stop the pump and initiate an alarm.

Hot Water Plant Control

Boiler Plant Enable
The FMS shall enable the boiler plant through a user input from the operator workstation or anytime the building requires heat . The lead boiler shall operate whenever the boiler water plant is enabled.

Hot Water Temperature Control
The FMS control system shall reset the secondary hot water temperature setpoint based on the outside air temperature conditions. At an outside air temperature of 70 °F (adjustable), the hot water temperature setpoint shall be 140 °F (adjustable). At an outside air temperature of 40 °F (adjustable), the hot water temperature setpoint shall be 180 °F (adjustable). The FMS shall monitor and trend the temperatures and pressures of the system as indicated on the control diagrams.

Boiler Control
The boiler control system shall control individual stages of each boiler to maintain the secondary hot water supply temperature at setpoint based on the factory recommended staging configuration.

Boiler Rotation
Automatic rotation of the boilers sequence shall be allowed based on the manufacturer's standard rotation sequence. The boiler control panel shall start the associated boiler pump anytime the boiler is operating.

Boiler Failure Detection and Recovery
The FMS shall monitor the alarm and status conditions of each boiler through the BACnet network connection. Upon sensing a boiler failure, the FMS shall initiate an alarm. The next boiler in the sequence shall be enabled (if the boiler fails while running or trying to start). The failed boiler shall be disabled.

Primary Pump Failure Detection and Recovery
The FMS shall monitor the status of each primary pump through a current switch installed in the motor starter and the commanded status of the pump through the Modbus network connection. Upon sensing a primary pump failure, the FMS shall initiate an alarm.

Secondary Hot Water Differential Pressure Setpoint Control
The FMS shall reset the system differential pressure setpoint using a trim and respond logic within the range of 5 psig to 15 psig once the minimum hot water temperature setpoint is reached. Once the temperature setpoint is reached, the differential pressure setpoint for the controlling zone shall be trimmed by 0.1 psig every two minutes until a valve in the system is 50% open. When a valve in the system rises to 80% open, the differential pressure setpoint for the controlling zone shall be increased by 0.1 psig every two minutes. All setpoints shall be adjustable through the operator workstation for each differential pressure sensor.

Secondary Hot Water Pump Control
Each set of secondary hot water pumps shall operate in a lead/lag configuration. The lead pump shall operate anytime the hot water system is enabled. The FMS shall modulate the pumps to maintain the system differential pressure at setpoint as measured by differential pressure sensors. With just the lead pump operating, if the speed of the pump reaches 100%, the FMS shall start the lag pump and operate both pumps at the same speed to maintain the differential pressure setpoint. With both pumps operating, if the speed of the pumps falls below 40%, the FMS shall stop the lag pump and operate the lead pump to maintain the differential pressure setpoint.

Secondary Hot Water Pump Rotation
Manual or automatic rotation of the secondary pump sequence shall be allowed. Rotation time interval shall be 30 days (adjustable), and be through a time and date, operator intervention, or external communicated input. The application shall also provide a setting (operator selectable) to allow a forced rotation which shall cause the secondary pumps in the sequence to be immediately enabled /disabled to comply with the new sequence or a normal rotation which shall takes advantage of the load variations in the system to adjust the sequence of secondary pumps enabling and disabling.

Secondary Pump Failure Detection and Recovery
The FMS shall monitor the VFD status through a set of contacts in the VFD. Upon sensing a secondary pump failure, the FMS shall lockout that pump and immediately initiate the start of the next pump in the rotation sequence. When a pump is marked as having failed, the failed pump shall be taken out of the sequence. The next pump in the sequence shall be enabled (if the pump fails while running or trying to start). The failed pump shall be disabled.

Secondary Pump Failure Reset
When an individual pumps failure is reset at the operator workstation, the FMS shall re-insert that pump into the sequence of pumps. When a system failure reset is performed, all pumps that were marked as failed shall be re-inserted into the sequence. An operator configured setting shall determine whether the FMS shall enforce the sequence immediately or if normal plant changes (adds and subtracts) synchronize the plant with the new sequence. All failures shall be resettable through the FMS operator workstation.

Boiler System Shutdown Switch
Boiler shutdown switches shall be installed at the boiler room door and shall kill power to the boilers when activated. The FMS shall stop the secondary pumps when the switch is activated and initiate an alarm.

Make-Up Meter Monitoring
The FMS shall monitor the make-up flowrate for the system. If the flowrate exceeds the alarm level, the FMS shall initiate an alarm.

Building Metering

The FMS shall continuously monitor and trend the building electrical, gas, domestic water, and AHU make-up water consumption.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL CONTROLS DIAGRAMS

MI605

ALL SELECTIONS ARE BASED ON 5,450 FT. ABOVE SEA LEVEL.

INDOOR VAV AIR HANDLING UNIT

SYMBOL	MANUFACTURER & MODEL NO.	TYPE	LOCATION	SUPPLY FAN SECTION									EXHAUST FAN SECTION							DIRECT EXPANSION COOLING COIL						
				TOTAL AIRFLOW (CFM)	FAN SIZE AND TYPE	FAN QTY.	PER FAN				MOTOR			TOTAL AIRFLOW (CFM)	FAN SIZE AND TYPE	FAN QTY	PER FAN		MOTOR			REFR. TYPE	MAX. FACE VEL. (FPM)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT (°F)	LAT (°F)	AIR MAX. PD (IN. WC)
							AIRFLOW (CFM)	EXT. SP. (IN. WC)	BHP	RPM	QTY	HP EACH	V/PH/H				AIRFLOW (CFM)	TSP (IN. WC)	QTY	HP EACH	V/PH/H					DB/WB	DB/WB	
AHU-1	TRANE CSAA 35	PERFORMANCE CLIMATE CHANGER	MAIN PENTHOUSE	17,500	DIRECT DRIVE PLENUM	2	8,750	2.0	7.95	1,878	2	10	460/3/60	17,500	DIRECT DRIVE PLENUM	2	8,750	2.0"	2	7.5	460/3/60	R-410A	501	378	378	84.0/56.7	59.7/46.7	0.193
AHU-2	TRANE CSAA 35	PERFORMANCE CLIMATE CHANGER	MAIN PENTHOUSE	15,600	DIRECT DRIVE PLENUM	2	7,800	1.8	6.34	1,735	2	7.5	460/3/60	15,600	DIRECT DRIVE PLENUM	2	7,800	2.0"	2	5.0	460/3/60	R-410A	446	350	350	83.9/56.8	58.8/47.4	0.157
AHU-3	TRANE CSAA 30	PERFORMANCE CLIMATE CHANGER	MAIN PENTHOUSE	15,000	DIRECT DRIVE PLENUM	2	7,500	1.8	7.33	2,130	2	7.5	460/3/60	15,000	DIRECT DRIVE PLENUM	2	7,500	2.0"	2	5.0	460/3/60	R-410A	507	338	338	83.9/57.6	58.7/48.3	0.334
AHU-4	TRANE CSAA 30	PERFORMANCE CLIMATE CHANGER	MAIN PENTHOUSE	13,000	DIRECT DRIVE PLENUM	2	6,500	1.5	5.47	1,929	2	7.5	460/3/60	13,000	DIRECT DRIVE PLENUM	2	6,500	2.0"	2	5.0	460/3/60	R-410A	439	301	301	82.5/60.1	56.7/61.0	0.41
AHU-5	TRANE CSAA 30	PERFORMANCE CLIMATE CHANGER	GYM PENTHOUSE	14,000	DIRECT DRIVE PLENUM	2	7,000	1.5	6.02	2,001	2	7.5	460/3/60	14,000	DIRECT DRIVE PLENUM	2	7,000	2.0"	2	5.0	460/3/60	R-410A	473	445	445	88.7/60.1	53.2/47.2	0.297

CONTINUED - INDOOR VAV AIR HANDLING UNIT

SYMBOL	MAIN HOT WATER HEATING COIL								INDIRECT/DIRECT EVAPORATIVE COOLING SECTION																FILTER	MIN OUTSIDE AIR (CFM)	TOTAL OPERATING WEIGHT (LBS.)	OVERALL UNIT DIMENSIONS
					WATER TEMP (°F)		MAX PRESSURE LOSS		INDIRECT								DIRECT											
	TOTAL CAPACITY (MBH)	MAX. FACE VELOCITY (FPM)	LAT (°F)	GPM	ENT.	LVG.	AIR (IN. WC)	WATER (FT. WC)	AIRFLOW RATE (CFM)	SENSIBLE CAPACITY (MBH)	EAT DB/WB (°F)	LAT DB/WB (°F)	STATIC PRESSURE DROP (IN H20)	COOLING EFFICIENCY (%)	QTY	PUMP			AIRFLOW RATE (CFM)	ADIABATIC COOLING CAPACITY (MBH)	EAT DB/WB (°F)	LAT DB/WB (°F)	STATIC PRESSURE DROP (IN H20)	COOLING EFFICIENCY (%)	COOLING MEDIA	QTY	PUMP					
																PER PUMP										PER PUMP				
																HP	GPM	V/PH/H								HP	GPM	VOLT/PH/H			
AHU-1	650	536	65	44	130	100	0.184	0.8	17,500	428.4	94/61	71.6/53.4	0.8	72	2	0.125	16	120/1/60	17,500	308	71.6/53.4	55.6/53.4	0.2	80	12" CELDEK	1	0.125	16	120/1/60	MERV 13	7,000	14,000	318"L X 111"W X 144"H
AHU-2	596	478	65	40	130	100	0.14	0.67	15,600	392	94/61	71/53.2	0.8	72	2	0.125	16	120/1/60	15,600	268	71/53.2	55.4/53.2	0.2	80	12" CELDEK	1	0.125	16	120/1/60	MERV 13	6,500	14,000	309"L X 111"W X 144"H
AHU-3	576	523	65	39	130	100	0.189	0.62	15,000	405	94/61	69.3/52.6	0.8	72	2	0.125	16	120/1/60	15,000	242.5	69.3/52.6	54.6/52.6	0.2	80	12" CELDEK	1	0.125	16	120/1/60	MERV 13	6,300	13,000	299"L X 111"W X 144"H
AHU-4	439.4	453	55	30	130	100	0.129	0.37	13,000	338	94/61	70.2/52.9	0.8	72	1	0.125	16	120/1/60	13,000	217.4	70.2/52.9	55/52.9	0.2	80	12" CELDEK	1	0.125	16	120/1/60	MERV 13	4,200	11,500	299"L X 111"W X 144"H
AHU-5	729	488	90	49	130	100	0.181	1.96	14,000	364	94/61	70.2/52.9	0.8	72	2	0.125	16	120/1/60	14,000	234	70.2/52.9	55/52.9	0.2.	80	12" CELDEK	1	0.125	16	120/1/60	MERV 13	8,400	13,000	299"L X 111"W X 144"H

CONTINUED - INDOOR VAV AIR HANDLING UNIT (SOUND DATA)

ZONE	DISCHARGE SOUND POWER BY OCTIVE BAND							
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
AHU-1	86	85	88	88	85	92	87	71
AHU-2	84	83	86	85	83	91	82	68
AHU-3	79	80	83	87	81	82	78	69
AHU-4	76	81	88	90	77	76	72	67
AHU-5	76	82	88	87	80	75	70	66

BOILERS

SYMBOL	LOCHINVAR MODEL NO.	LOCATION	SERVICE	SEA LEVEL INPUT (MBH)	SITE LEVEL OUTPUT (MBH)	WATER FLOW (GPM)	LWT (F)	TURNDOWN	ELECTRICAL DATA				THERMAL EFFICIENCY (%)	FLUE / CA SIZE (IN)	GAS INLET SIZE	OPERATING WEIGHT (LBS.)	DIMENSION HXWXD (in)	GAS PRESSURE (W.C.)	NOTES
									VOLT	PHASE	HZ	FLA							
B-1	LOCHINVAR -FB 3001	BOILER ROOM	HEATING WATER SYSTEM	3,000	2,760	138	130	20:1	208	3	60	6.5	92	10"/10"	2"	3,900	84"X35"X78"	4" TO 14" WC	HEATING SYS BOILER MOUNTED ON 4" CONCRETE HOUSEKEEPING PAD
B-2	LOCHINVAR -FB 3001	BOILER ROOM	HEATING WATER SYSTEM	3,000	2,760	138	130	20:1	208	3	60	6.5	92	10"/10"	2"	3,900	84"X35"X78"	4" TO 14" WC	HEATING SYS BOILER MOUNTED ON 4" CONCRETE HOUSEKEEPING PAD

CONDENSING UNIT SCHEDULE

SYMBOL	TRANE MODEL NO.	LOCATION	CORRESPONDING INDOOR UNIT	TON	NET TOTAL CAPACITY (MBH)	EER @ AHRI	AMBIENT DB (DEG F)	SATURATED SUCTION TEMP	ELECTRICAL DATA					COMPRESSORS							CONDENSERS (MICROCHANNEL)							WEIGHT (LBS.)	LENGTH/ WIDTH/ HEIGHT (IN)
									VOLT	PH	HZ	MCA	MOCP	COMPRESSOR TYPE	CIRCUITS	MANIFOLD COMPRESSOR SIZES	UNIT CAPACITY STEPS	REFR. TYPE	LIQUID LINE	SUCTION LINE	FAN QTY.	DIAMATER (IN)	AIR FLOW (CFM)	SIZE (IN)	FACE AREA (SF)	ROWS/FIN PER FT	REFR. STORAGE CAPACITY(LB)		
CU-1	TRANE - RAUJC4	ROOF	AHU-1	40	490	11.7 (COND ONLY)	95	40	460	3	60	87	100	SCROLL	2	10-10	100-75-50-25	R-410A	5/8"	1-5/8"	4	26	26,790	59x71	58.2	1/240	23.5	3,200	85-5/16"(L)X85-5/8"(W)X79-1/4"(H)
CU-2	TRANE - RAUJC3	ROOF	AHU-2	30	389	11.4 (COND ONLY)	95	45	460	3	60	63	80	SCROLL	1	15-15	100-50	R-410A	7/8"	2-1/8"	3	26	20,700	42X71	41.4	1/240	18.7	2,000	88-1/2"(L)X57-5/8"(W)X74-1/4"(H)
CU-3	TRANE - RAUJC3	ROOF	AHU-3	30	359	11.4 (COND ONLY)	95	40	460	3	60	63	80	SCROLL	1	15-15	100-50	R-410A	7/8"	2-1/8"	3	26	20,700	42X71	41.4	1/240	18.7	2,000	88-1/2"(L)X57-5/8"(W)X74-1/4"(H)
CU-4	TRANE - RAUJC2	ROOF	AHU-4	25	318	12.1 (COND ONLY)	95	45	460	3	60	52	70	SCROLL	1	10-13.5	100-42	R-410A	7/8"	2-1/8"	3	26	20,700	42X71	41.4	1/240	18.7	2,000	88-1/2"(L)X57-5/8"(W)X74-1/4"(H)
CU-5	TRANE - RAUJC4	ROOF	AHU-5	40	490	11.7 (COND ONLY)	95	40	460	3	60	87	100	SCROLL	2	10-10	100-75-50-25	R-410A	5/8"	1-5/8"	4	26	26,790	59x71	58.2	1/240	23.5	3,200	85-5/16"(L)X85-5/8"(W)X79-1/4"(H)

KITCHEN - MAKE UP AIR UNIT

SYMBOL	GREENHECK MODEL NO.	SERVICE	SUPPLY FAN			ELECTRICAL DATA						COOLING MEDIA (EVAP)			HEAT EXCHANGER				WEIGHT (LBS.)	NOTE
			CFM	EXT. SP (IN. WC)	RPM	BHP	HP	V	PH	HZ	MCA / MOP	MEDIA	EAT DB (°F)	LAT DB (°F)	NATURAL GAS INPUT (MBH)	HEATING OUTPUT (MBH)	EAT DB (°F)	LAT DB (°F)		
MAU-1	ACCUREX - XDG-112-H20	KITCHEN	3,032	0.5	1065	1.28	1.5	208	3	60	12.2 / 15	GLASDEK	94.9	65.3	181.5	167.5	7.5	70	1,400	FURNISH WITH MOTOR STARTERS FOR SUPPLY FAN & KEF-1 INSIDE UNIT, ELEC DISCONNECT, AIRWASHER PUMP, FAN ON/OFF, HEAT/COOL/VENT & HEAT DISCHARGE AIR TEMP REHOSTAT

PACKAGED ROOFTOP UNIT (DX/GAS)

SYMBOL	MANUFACTURER & MODEL NO.	CAPACITY (TONS)	SEER/EER	TYPE	OA (CFM)	SUPPLY FAN				COOLING PERFORMANCE						GAS HEAT EXCHANGER				OPERATING WEIGHT (LBS.)	ELECTRICAL					NOTES
						CFM	FAN RPM	EXT. SP (IN. WC)	FAN BHP	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	HEATING INPUT AT SEA LEVEL (MBH)	HEATING OUTPUT AT ALTITUDE (MBH)	EAT DB (°F)	LAT DB (°F)		V	PH	HZ	MCA	MOCP	
RTU-1	TRANE - YHC092	7.5	14.5	FC	300	3,000	1149	0.85	0.84	79.0	79.0	80.1	54.9	52.2	43.8	120	75.0	62.2	92.1	1,500	460	3	60	20	25	14" ROOF CURB, ECONOMIZER, BAROMETRIC RELIEF, FACTORY MOUNTED NON-FUSED KNIFE BLADE DISCONNECT, NON-POWERED 120 VOLT RECEPTACLE, STANDARD 2" FILTER, HAIL GUARDS

SPLIT SYSTEM INDOOR UNITS

SYMBOL	MANUFACTURER	MODEL NO.	NOMINAL TON	AREA SERVED	COOLING						HEATING			PIPING SIZE			ELEC		PHYSICAL DIMENSIONS				NOTES
					AIR FLOW CFM	OUTSIDE TEMP	INDOOR DB TEMP	INDOOR WB TEMP	TOTAL (BTUH)	SITE SENSIBLE (BTUH)	OUTSIDE TEMP	INDOOR DB TEMP	TOTAL BTUH	RS DIA	RL DIA	DRAIN DIA	V/PH/HZ	POWER CONSUMPTION	WEIGHT (LB)	WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	
FC-1	MITSUBISHI	PKA-A24HA4	2.0	ELEC 612A	775	95	80	67	24,000	16,000	15	59	18,000	5/8"	3/8"	5/8"	208/1/60	FROM ACU-3	48	12"	47"	15"	FURNISH W/ WIRED 7-DAY PROG T'STAT, CONDENSATE PUMP - SAUERMANN MODEL SI3100, CONNECT TO ACU-1, R-410A REFRIGERANT, ELEC DISCONNECT BY DIV 26
FC-2	MITSUBISHI	PKA-A18HA4	1.5	IT 203	425	95	80	67	18,000	12,000	15	59	13,000	1/2"	1/4"	5/8"	208/1/60	FROM ACU-4	30	10"	36"	12"	FURNISH W/ WIRED 7-DAY PROG T'STAT, CONDENSATE PUMP - SAUERMANN MODEL SI3100, CONNECT TO ACU-2, R-410A REFRIGERANT, ELEC DISCONNECT BY DIV 26

SPLIT SYSTEM OUTDOOR UNITS

SYMBOL	MANUFACTURER	MODEL NO.	NOMINAL TON	COOLING		HEATING		ELEC			PHYSICAL DIMENSION				PIPE SIZES		NOTES
				OUTDOOR TEMP	TOTAL BTUH	OUTDOOR TEMP	TOTAL BTUH	V/PH/HZ	MCA	MOCP	WEIGHT (LB)	WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	RS DIA	RL DIA	
ACU-1	MITSUBISHI	PUZ-A24NHA4	2.0	95	24,000	15	18,000	208/1/60	18	30	165	14	38	37	5/8"	3/8"	FURNISH W/ LO AMBIENT KIT (HEATING TO 5°F AMBIENT) AND WIND BAFFLE, INTERLOCK W/ FC-1
ACU-2	MITSUBISHI	PUZ-A18NHA4	1.5	95	18,000	15	13,000	208/1/60	13	20	91	12	32	24	5/8"	3/8"	FURNISH W/ LO AMBIENT KIT (HEATING TO 5°F AMBIENT) AND WIND BAFFLE, INTERLOCK W/ FC-2

HYDRAULIC SEPARATOR

SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	HEATING WATER SYSTEM	MAX WATER FLOW (GPM)	DESIGN FLOW RATE (GPM)	WATER TEMP. (DEG F)	PIPE CONNECTION (IN)	WEIGHT (LBS)
HS-1	SPIROVENT QUAD VDX500	BOILER RM	HEATING WATER SYSTEM	370	312	140	6"	280

ZONE DAMPER

SYMBOL	MANUFACTURER & MODEL NO.	TYPE	AREA SERVED	HEATING COIL (HW)				MAX CFM	MIN CFM	INLET DUCT SIZE (IN.)	ELEC		
				EWT / LWT (F)	CAPACITY (MBH)	GPM	PIPE SIZE				VOLT	PHASE	HZ
ZD5-1	TRANE - VADA6	ROUND	HALL 608, PE OFFICE 606, PE STAFF RR 605.1	120 / 100	4.0	0.4	3/4"	265	130	6"	50VAC	1	60
ZD5-2	TRANE - VADA8	ROUND	G LOCKERS 607, B LOCKERS 604	120 / 100	7.9	0.8	3/4"	510	255	8"	50VAC	1	60
ZD5-3	TRANE - VADA8	ROUND	PE STAFF RR 606.1, PE STORAGE 602, HALL 603, PE OFFICE 605	120 / 100	8.7	0.9	3/4"	570	285	8"	50VAC	1	60

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL SCHEDULES

M-701

School Information

Dzilth-Na-O-Dith-Hle - New School
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PUMP SCHEDULE

ALL SELECTIONS ARE BASED ON 5,450 FT. ABOVE SEA LEVEL.

SYMBOL	BELL & GOSSETT & MODEL NO.	LOCATION	SERVICE	TYPE	CAPACITY (GPM)	TOTAL HEAD (FT. WG)	PUMP RPM	MOTOR HP	ELECTRICAL DATA			OPERATING WEIGHT (LBS.)	NOTES
									VOLT	PH	HZ		
P-1	BG - E80-2.5X2.5X7B	MECH RM	HEATING WATER SYSTEM - PRIMARY	INLINE	138	20	1800	1.5	460	3	60	200	-
P-2	BG - E80-2.5X2.5X7B	MECH RM	HEATING WATER SYSTEM - PRIMARY	INLINE	138	20	1800	1.5	460	3	60	200	-
P-3	BG - E1531-2.5BB	MECH RM	HEATING WATER SYSTEM - SECONDARY	BASE MOUNTED	310	70	1800	10	460	3	60	255	FURNISH WITH SUCTION DIFFUSER AND RATED MOTOR, ONE PUMP IS BACK UP
P-4	BG - E1531-2.5BB	MECH RM	HEATING WATER SYSTEM - SECONDARY	BASE MOUNTED	310	70	1800	10	460	3	60	255	FURNISH WITH SUCTION DIFFUSER AND RATED MOTOR, ONE PUMP IS BACK UP
P-5	BG - E60-1.25X1.25X5.25	MECH PENTHOUSE	AHU-1 HW COIL	INLINE	44	20	1,800	1/2	115	1	60	60	-
P-6	BG - E60-1.25X1.25X5.25	MECH PENTHOUSE	AHU-1 HW COIL	INLINE	40	20	1,800	1/2	115	1	60	60	-
P-7	BG - E60-1.25X1.25X5.25	MECH PENTHOUSE	AHU-1 HW COIL	INLINE	39	20	1,800	1/2	115	1	60	60	-
P-8	BG - E60-1X1X5.25	MECH PENTHOUSE	AHU-1 HW COIL	INLINE	30	20	1,800	1/2	115	1	60	60	-
P-9	BG - E60-1.25X1.25X5.25	GYM PENTHOUSE	AHU-5 HW COIL CIRCULATION	INLINE	45	20	1800	1/2	115	1	60	60	-

VARIABLE FREQUENCY DRIVES

SYMBOL	MANUFACTURER & MODEL NO.	SERVICE	ELECTRICAL					NOTES
			VOLT	PHASE	HZ	MOTOR HP	MAX INPUT AMP	
VFD1-1	ABB - 015A4	AHU-1 SA FAN	460	3	60	10	15.4	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD1-2	ABB - 015A4	AHU-1 SA FAN	460	3	60	10	15.4	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD1-3	ABB - 012A4	AHU-1 EX FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD1-4	ABB - 012A4	AHU-1 EX FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD2-1	ABB - 012A4	AHU-2 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD2-2	ABB - 012A4	AHU-2 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD2-3	ABB - 08A8A4	AHU-2 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD2-4	ABB - 08A8A4	AHU-2 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD3-1	ABB - 012A4	AHU-3 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD3-2	ABB - 012A4	AHU-3 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD3-3	ABB - 08A8A4	AHU-3 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD3-4	ABB - 08A8A4	AHU-3 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD4-1	ABB - 012A4	AHU-4 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD4-2	ABB - 012A4	AHU-4 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD4-3	ABB - 08A8A4	AHU-4 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD4-4	ABB - 08A8A4	AHU-4 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD5-1	ABB - 012A4	AHU-5 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD5-2	ABB - 012A4	AHU-5 SA FAN	460	3	60	7.5	11.9	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD5-3	ABB - 08A8A4	AHU-5 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD5-4	ABB - 08A8A4	AHU-5 EX FAN	460	3	60	5	8.8	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD-1	ABB - 015A4	BOILER ROOM - PUMP-3	460	3	60	10	15.4	FURNISH WITH BYPASS AND FUSED DISCONNECT
VFD-2	ABB - 015A4	BOILER ROOM - PUMP-4	460	3	60	10	15.4	FURNISH WITH BYPASS AND FUSED DISCONNECT

LOUVERS

SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	APPLICATION	AIR FLOW (CFM)	LOUVER DIMENSIONS (INCH)		PRE DROP (IN)	FREE AREA VELOCITY (FPM)	FREE AREA
					WIDTH	HEIGHT			
LV1-1	RUSKIN ELF6350DMP	MAIN PENTHOUSE	AHU-1 INTAKE	17,500	120	42	0.09	814	61%
LV1-2	RUSKIN ELF811DD	MAIN PENTHOUSE	AHU-1 EXHAUST	17,500	120	42	0.1	866	58%
LV2-1	RUSKIN ELF6375X	MAIN PENTHOUSE	AHU-2 INTAKE	15,600	120	38	0.1	810	61%
LV2-2	GREENHECK WRH	MAIN PENTHOUSE - ROOF	AHU-2 EXHAUST	15,600	120	38	0.037	493	33.2 SF
LV3-1	RUSKIN ELF6350DMP	MAIN PENTHOUSE	AHU-3 INTAKE	15,000	120	38	0.09	779	61%
LV3-2	RUSKIN ELF811DD	MAIN PENTHOUSE	AHU-3 EXHAUST	15,000	120	32	0.09	805	61%
LV4-1	RUSKIN ELF6375X	MAIN PENTHOUSE	AHU-4 INTAKE	13,000	96	40	0.09	742	66%
LV4-2	GREENHECK WRH	MAIN PENTHOUSE - ROOF	AHU-4 INTAKE	13,000	120	32	0.037	493	29.2 SF
LV5-1	RUSKIN ELF6375X	GYM PENTHOUSE	AHU-5 INTAKE	14,000	120	34	0.09	741	67%
LV5-2	RUSKIN ELF6375X	GYM PENTHOUSE	AHU-5 EXHAUST	14,000	120	34	0.08	741	67%
LV5-3	RUSKIN ELF6350DMP	GYM	RA LOUVER	13,000	90	42	0.09	811	61%

EXHAUST FANS

SYMBOL	MANUFACTURER & MODEL NO.	AREA SERVED	TYPE	CFM	S.P. (IN. WC)	FAN RPM	BHP	MOTOR DATA					OPERATING WEIGHT (LBS.)	DAMPER	NOTES
								HP	VOLT	PHASE	HZ	FLA			
CEF-1	GREENHECK SP-A125	RR 205.1	CEILING EXHAUST FAN	120	0.15	1,100	76W	76W	277	1	60	-	30	BACKDRAFT	ELEC DISCONNECT, INTERLOCK WITH LIGHT SWITCH
CEF-2	GREENHECK SP-A125	KITCHENETTE 204.1	CEILING EXHAUST FAN	120	0.15	1,100	76W	76W	277	1	60	-	30	BACKDRAFT	ELEC DISCONNECT, INTERLOCK WITH LIGHT SWITCH
CEF-3	GREENHECK SP-A125	RR 206.3	CEILING EXHAUST FAN	120	0.15	1,100	76W	76W	277	1	60	-	30	BACKDRAFT	ELEC DISCONNECT, INTERLOCK WITH LIGHT SWITCH
CEF-4	GREENHECK SP-A125	RR 307.1	CEILING EXHAUST FAN	120	0.15	1,100	76W	76W	277	1	60	-	30	BACKDRAFT	ELEC DISCONNECT, INTERLOCK WITH LIGHT SWITCH
CEF-5	GREENHECK SP-A125	STR 411.1	CEILING EXHAUST FAN	120	0.15	1,100	76W	76W	277	1	60	-	30	BACKDRAFT	ELEC DISCONNECT, INTERLOCK WITH LIGHT SWITCH
CEF-6	GREENHECK SP-A125	STR 410.1	CEILING EXHAUST FAN	120	0.15	1,100	76W	76W	277	1	60	-	30	BACKDRAFT	ELEC DISCONNECT, INTERLOCK WITH LIGHT SWITCH
EF-1	GREENHECK - GB-141-3	PE STAFF RR 606.1, LOCKERS 604, PE STAFF RR 605.1, LOCKERS 607	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	1,500	0.5	1,138	0.28	1/3	115	1	60	7.2	60	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-2	GREENHECK - GB-161-5	B RR 708, NURSE OFFICE 108, RR 109A, G RR 709, JAN 105, M RR 107, W RR 106, SPACE 614	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	1,840	0.6	1,026	0.37	1/2	115	1	60	9.8	70	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-3	GREENHECK - GB-121-3	MENS RR 301, GIRLS 402.2, BOYS 402.1, JAN 400.1	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	1,200	0.5	1,318	0.21	1/4	115	1	60	5.8	60	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-4	GREENHECK - GB-131-3	W RR 302, SPACE 614, GIRLS RR 304.1, BOYS RR 304.2	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	1,270	0.5	1,229	0.21	1/4	115	1	60	5.8	60	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-5	GREENHECK - GB-081-6	GIRLS RR 209.2, BOYS RR 209.3, GIRLS RR 207.3, BOYS RR 207.2	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	440	0.5	1,375	0.1	1/6	115	1	60	4.4	55	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-6	GREENHECK - GB-091-4	BOYS RR 210.2, WOMEN 210.1, MEN 208.1GIRLS RR 208.2, BOYS RR 208.3, GIRLS RR 210.3	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	660	0.5	1,373	0.13	1/4	115	1	60	5.8	60	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-7	GREENHECK - GB-81-6	UTILITY 601.3 & RR 601.1	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	330	0.5	1,348	0.09	1/6	115	1	60	4.4	55	BACKDRAFT	DISCONNECT, 14" ROOF CURB
EF-8	GREENHECK - GB-131	SCIENCE LAB 411	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	1,350	0.5	1,266	0.22	1/4	115	1	60	5.8	60	BACKDRAFT	DISCONNECT, 14" ROOF CURB
KEF-1	ACCUREX - XRUD-161-A	KITCHEN	BELT DRIVE CENTRIFUGAL ROOF EXHAUST FAN	3,789	1.2	1,725	1.62	2.0	208	3	60	7.5	115	NONE	FURNISH W/ 20" ROOF CURB, VENT CURB EXT., HINGED CURB CAP, GREASE RESERVOIR, STARTER (INSIDE MAU-1), ELEC DISCONNECT (COMBINE WITH MAU-1)

TERMINAL UNITS

SYMBOL	GENERAL UNIT DATA			AIRFLOW DATA			EAT(F)	LAT (F)	COIL (GPM)	EWT(F)	LWT(F)	CAPACITY (MBH)	NO. OF ROWS	PIPE SIZE (IN DIA)	CONTROL VALVE	NOTES
	MANUFACTURER	MODEL NO.	INLET CONNECTION SIZE	COOLING MAX (CFM)	COOLING MIN (CFM)	HEATING MAX (CFM)										
TU1-1	TRANE	VCWF-14	14	2020	905	1212	65	90	2.7	130	110	26,365	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-2	TRANE	VCWF-14	14	2230	895	1338	65	90	3	130	110	29,423	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-3	TRANE	VCWF-14	14	2230	895	1338	65	90	3	130	110	29,423	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-4	TRANE	VCWF-12	12	1840	1050	1104	65	90	2.5	130	110	24,887	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-5A	TRANE	VCWF-12	12	2000	905	1200	65	90	2.7	130	110	26,312	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-5B	TRANE	VCWF-12	12	2000	905	1200	65	90	2.7	130	110	26,312	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-6	TRANE	VCWF-14	14	2080	815	1248	65	90	2.8	130	110	27,525	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-7	TRANE	VCWF-14	14	2770	1055	1662	65	90	3.7	130	110	36,357	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-8	TRANE	VCWF-14	14	2600	815	1560	65	90	3.6	130	110	34,906	2	1	3-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU1-9	TRANE	VCWF-14	14	2050	620	1230	65	90	2.8	130	110	27,445	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-1	TRANE	VCWF-12	12	1750	1050	1050	65	90	2.4	130	110	23,148	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-2	TRANE	VCWF-14	14	2370	890	1422	65	90	3.2	130	110	31,295	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-3	TRANE	VCWF-14	14	2060	890	1236	65	90	2.8	130	110	27,471	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-4	TRANE	VCWF-12	12	1800	990	1080	65	90	2.4	130	110	23,781	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-5	TRANE	VCWF-14	14	2500	1080	1500	65	90	3.3	130	110	32,640	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-6	TRANE	VCWF-14	14	2140	1020	1284	65	90	2.9	130	110	28,684	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-7	TRANE	VCWF-14	14	2980	1020	1788	65	90	4	130	110	38,915	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-8	TRANE	VCWF-14	14	2190	1185	1314	65	90	2.9	130	110	28,817	2	3/4	3-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU2-9	TRANE	VCWF-12	12	1590	480	954	65	90	2.1	130	110	20,723	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-1	TRANE	VCWF-12	12	1600	885	960	65	90	2.2	130	110	21,250	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-2	TRANE	VCWF-14	14	2730	1170	1638	65	90	3.6	130	110	35,751	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-3	TRANE	VCWF-12	12	1820	1020	1092	65	90	2.4	130	110	23,834	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-4	TRANE	VCWF-14	14	2880	1215	1728	65	90	3.8	130	110	37,649	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-5	TRANE	VCWF-14	14	2210	1050	1326	65	90	2.9	130	110	28,870	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-6	TRANE	VCWF-14	14	3000	1220	1800	65	90	4	130	110	39,468	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-7	TRANE	VCWF-14	14	2030	1190	1218	65	90	2.8	130	110	27,392	2	3/4	3-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU3-8	TRANE	VCWF-12	12	1815	545	1089	65	90	2.4	130	110	23,821	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-1	TRANE	VCWF-08	8	530	318	318	55	90	1	130	110	9723	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-2	TRANE	VCWF-08	8	530	210	318	55	90	1	130	110	9723	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-3	TRANE	VCWF-08	8	660	215	396	55	90	1.2	130	110	12,259	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-4	TRANE	VCWF-06	6	180	55	108	55	90	0.3	130	110	3334	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-5	TRANE	VCWF-06	6	490	145	294	55	90	0.9	130	110	9204	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-6	TRANE	VCWF-08	8	890	350	534	55	90	1.7	130	110	16,592	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-7	TRANE	VCWF-14	14	2220	715	1332	55	90	4.2	130	110	41,689	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-8A	TRANE	VCWF-08	8	715	225	429	55	90	1.3	130	110	13,197	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-8B	TRANE	VCWF-10	10	920	285	552	55	90	1.7	130	110	16,931	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-9	TRANE	VCWF-06	6	370	110	222	55	90	0.7	130	110	6948	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-10	TRANE	VCWF-06	6	420	125	252	55	90	0.8	130	110	7747	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-11	TRANE	VCWF-06	6	300	100	180	55	90	0.6	130	110	5590	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-12	TRANE	VCWF-08	8	660	200	396	55	90	1.2	130	110	12,259	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-13	TRANE	VCWF-06	6	315	100	189	55	90	0.6	130	110	5910	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-14	TRANE	VCWF-08	8	700	210	420	55	90	1.3	130	110	13,078	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-15	TRANE	VCWF-06	6	490	150	294	55	90	0.9	130	110	9204	2	3/4	3-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-16	TRANE	VCWF-08	8	530	160	318	55	90	1	130	110	9723	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-17	TRANE	VCWF-06	6	110	35	66	55	90	0.2	130	110	2026	2	3/4	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-18A	TRANE	VCWF-12	12	2000	1000	1200	55	90	3.8	130	110	36,936	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER
TU4-18B	TRANE	VCWF-12	12	2000	1000	1200	55	90	3.8	130	110	36,936	2	1	2-WAY	PROVIDE 120/24 VOLT (50VA) TRANSFORMER

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL SCHEDULES

M-702

ALL SELECTIONS ARE BASED ON 5,450 FT. ABOVE SEA LEVEL.

GRILLES AND DIFFUSERS - SPECIFICATION SECTION 23 3713

SYMBOL	MANUFACTURER & MODEL NO.	TYPE	FRAME STYLE	FACE DIMENSIONS (INCH)	NECK DIMENSIONS (INCH)	CFM RANGE	T.P. (IN. W.G.)	MAX NC	NOTES
SD-1	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	12x12, 24x24	6	91-130	0.02-0.06	24	
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	12x12, 24x24	8	131-210	0.02-0.06	28	
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24x24	10	211-330	0.03-0.06	30	
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24x24	12	331-430	0.03-0.06	30	
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24x24	14	431-530	0.04-0.06	30	
	PRICE SCDA, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24x24	15	531-630	0.03-0.06	30	
SD-2	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	12x12, 24x24	6	91-130	0.02-0.09	30	
	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	12x12, 24x24	8	131-210	0.02-0.09	30	
	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24x24	10	211-330	0.02-0.08	30	
	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24x24	12	331-430	0.02-0.08	30	
	PRICE SCDA, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24x24	14	431-530	0.03-0.08	30	
SR-1	PRICE 520	SIDEWALL SUPPLY	FLAT MARGIN	SEE PLAN	SEE PLANS	SEE PLANS	0.03-0.06	26	
RG-1	PRICE 80	RETURN GRILLE	LAY-IN CEILING	24x24, 24x12, 12x12	SEE PLANS	-	N/A	N/A	
RG-2	PRICE 80	RETURN GRILLE	FIXED CEILING	24x24, 24x12, 12x12	SEE PLANS	-	N/A	N/A	
RR-1	PRICE 530	RETURN GRILLE	SIDEWALL	SEE PLAN	SEE PLANS	SEE PLANS	N/A	N/A	
EG-1	PRICE 80	EXHAUST GRILLE	LAY-IN CEILING	24x24, 24x12, 12x12	SEE PLANS	SEE PLANS	0.01-0.08	25	
EG-2	PRICE 80	EXHAUST GRILLE	FIXED CEILING	24x24, 24x12, 12x12	SEE PLANS	SEE PLANS	0.01-0.08	25	
ER-1	PRICE 80	EXHAUST GRILLE	SIDEWALL	SEE PLAN	SEE PLANS	-	N/A	N/A	

EXPANSION TANK

SYMBOL	GREENHECK MODEL NO.	LOCATION	SERVICE	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	APPROX. WEIGHT 100% FULL (LBS.)	NOTES
ET-1	AMTROL - AX-100V	BOILER RM	HOT WATER SYS	55.7	22.6	550	CHARGE BLADDER TO 15 PSIG, 1" NPT CONNECTION

CHEMICAL POT FEED SYSTEM

SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	RECEIVER NET CAPACITY (GAL)	TEMP RATING (F)	PIPE CONNECTIONS (IN)	NOTES
CPF-1	GRISWOLD DB-12-SB-CS-Z-250	BOILER ROOM	12	250	2 EA - 3/4"	FURNISH WITH 3/4" VALVE PACKAGE, FUNNEL PACKAGE WITH ISOLATION VALVE. ALL COMPONENTS RATED FOR 250°F WATER TEMPERATURE

ELEC UNIT HEATER

SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	ELECTRICAL DATA									WEIGHT (LBS.)	NOTES
			CAPACITY (KW)	AIR FLOW (CFM)	VOLT	PHASE	HZ	MOTOR HP	FUSE SIZE	MAX AMP	MOTOR RPM		
EUH-1	TRANE UHE07	BOILER ROOM	7.5	700	208	1	60	1/50	50	36.1	1550	120	PROVIDE WALL MOUNTED T-STAT
EUH-2	TRANE UHE07	GYM PENTHOUSE	5.0	400	208	1	60	1/125	35	24.1	1550	120	PROVIDE WALL MOUNTED T-STAT
EUH-3	TRANE UHE07	MAIN PENTHOUSE	7.5	700	208	1	60	1/50	50	36.1	1550	120	PROVIDE WALL MOUNTED T-STAT
EUH-4	TRANE UHE07	MAIN PENTHOUSE	7.5	700	208	1	60	1/50	50	36.1	1550	120	PROVIDE WALL MOUNTED T-STAT
EUH-5	TRANE UHE07	MAIN PENTHOUSE	7.5	700	208	1	60	1/50	50	36.1	1550	120	PROVIDE WALL MOUNTED T-STAT

HYDRAULIC SEPARATOR

SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	HEATING WATER SYSTEM	MAX WATER FLOW (GPM)	DESIGN FLOW RATE (GPM)	WATER TEMP. (DEG F)	PIPE CONNECTION (IN)	WEIGHT (LBS)
HS-1	SPIROVENT QUAD VDX500	BOILER RM	HEATING WATER SYSTEM	370	312	140	6"	280

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

MECHANICAL SCHEDULES

M-703

Dzilth-Na-O-Dith-Hle - New School
Bridgers & Paxton Project No: 8226
10/1/2020 4:05:38 PM
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School Information

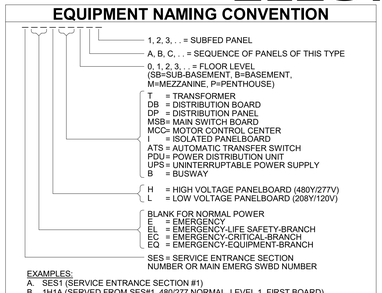
ELECTRICAL SYMBOL LEGEND (NOT ALL SYMBOLS APPLY TO THIS PROJECT)

UPDATED: 09/07/2016

ABBREVIATIONS

ABBREV.	DEFINITION
A	AMPS, AMPERE, AMPERAGE
AC	ABOVE COUNTER
A/C	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATSC	AUTOMATIC TRANSFER SWITCH CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CLOCK
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CU	COPPER
D	DIMMING
DC	DIRECT CURRENT
DL	DAY-LIGHTING
DIA	DIAMETER
E	EMERGENCY
EC	EMERGENCY, CRITICAL
EG	ENGINE GENERATOR
EL	EMERGENCY, LIFE SAFETY
EQ	EMERGENCY, EQUIPMENT
EX	EXISTING
FUT	FUTURE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FDR	FEEDER
FMS	FACILITY MANAGEMENT SYSTEM
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
G OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFP	GROUND FAULT PROTECTION
GND	GROUND.
HOA	HAND-OFF-AUTOMATIC.
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR.
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MIN	MINIMUM
MM	MIXED MEDIA
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT AMPS
N	NEW
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NORMAL
NM	NEW MEXICO
NO	NORMALLY OPEN
O/H	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
PMCS	POWER MONITORING AND CONTROL SYSTEM
R	REMOVED/REMOVAL
RC	ROOM CONTROLLER
RSC	RIGID STEEL CONDUIT
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TEMP	TEMPORARY
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP.	TYPICAL
UC	UNDER COUNTER
U/G	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WALL MOUNTED
WG	WEATHERPROOF AND GFCI
WP	WEATHERPROOF
XFER	TRANSFER
XFMR (TRANSF)	TRANSFORMER

EQUIPMENT NAMING CONVENTION



EXAMPLES:
A. SES1 (SERVICE ENTRANCE SECTION #1)
B. 1H1A (SERVED FROM SES#1, 480/277 NORMAL, LEVEL 1, FIRST BOARD)
C. 1EQH1A (SERVED FROM MAIN EMER SWBD #1, 480/277 EQUIP POWER, LEVEL 1, FIRST BOARD)

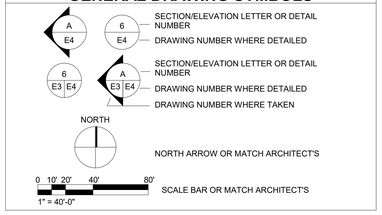
RACEWAY & CONDUCTORS

BRANCH CIRCUIT GENERAL INFORMATION:

BRANCH CIRCUITS FROM OVERCURRENT PROTECTION (20A) TO FURTHEST DEVICE SHALL NOT EXCEED 75 FEET FOR #12AWG COPPER AND 150 FEET FOR #10AWG COPPER; MEASURED ALONG CONDUCTORS ROUTING PATH. BRANCH CIRCUITS EXCEEDING 150 FEET WILL BE SIZED SO THAT VOLTAGE DROP DOES NOT EXCEED 5%.

SYMBOL	DESCRIPTION
= GROUND = HOT/PHASE = NEUTRAL = SWITCH LEG	CONDUCTOR IDENTIFICATION SYMBOLS. REFER TO PLANS FOR COMBINATION USE. CONDUCTOR IDENTIFICATION MOSTLY USED IN HOMERUN LOCATION. BUT CAN ALSO BE USED IN BRANCH CIRCUITING WHERE APPLIED. GROUND CONDUCTORS WILL BE INSTALLED IN ALL RACEWAYS WHETHER SHOWN OR NOT.
LA-1	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL SINGLE POLE CIRCUIT BREAKER(S). CONDUCTOR IDENTIFICATION SYMBOL INDICATES NUMBER OF CONDUCTORS IN HOMERUN. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-1,3 LA-5,7,9	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL SINGLE POLE CIRCUIT BREAKER(S). SYMBOL REPRESENTS A MULTI-BRANCH CIRCUIT. NUMBER OF CONDUCTORS IN HOMERUN WILL INCLUDE A SEPARATE NEUTRAL FOR EACH CIRCUIT. PHASE CONDUCTOR. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-1,3 LA-5,7,9	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL TWO OR THREE POLE CIRCUIT BREAKERS. CONDUCTOR IDENTIFICATION SYMBOL INDICATES NUMBER OF CONDUCTORS IN HOMERUN. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. NEUTRAL MAY BE USED WHERE INDICATED ON PLAN. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
	CONCEALED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT IN WALLS OR IN CEILING SPACE
	UNDERGROUND RACEWAY BETWEEN DEVICES AND OR EQUIPMENT
	EXPOSED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT ON WALLS OR CEILINGS
DOWN UP	CONDUIT TURNS
	CONDUIT STUBBED AND CAPPED
B	BUSWAY
G	GROUNDING CONDUCTOR
	CABLE TRAY - POWER AND TELECOMMUNICATIONS
T	TELECOMMUNICATIONS RACEWAY
D	DATA RACEWAY
V/D	VOICE/DATA COMBINATION RACEWAY
FA	FIRE ALARM RACEWAY

GENERAL DRAWING SYMBOLS



REFERENCE TAGS

SYMBOL	DEFINITION
	KEYED NOTE REFERENCE
VAV-9	MECHANICAL EQUIPMENT REFERENCE
+44"	DENOTES MOUNTING HEIGHT AFF
	KITCHEN EQUIPMENT REFERENCE
	MEDICAL EQUIPMENT REFERENCE

DEMOLITION

SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
R	REMOVE EXISTING RACEWAY IN ALL ACCESSIBLE AREAS. CAPPED AND ABANDONED IF IN UNACCESSIBLE AREA	
S	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN	
EX	EXISTING CONDUIT TO BE REUSED	

DEVICES

DEVICE INDICATOR LETTER. "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST RECEPTACLE TYPES):

BLANK FOR NORMAL POWER
G = GFCI RATED
IG = ISOLATED GROUND
T = TAMPERPROOF
WG = WEATHERPROOF AND GFCI
WP = WEATHERPROOF (IN-USE COVER)
CL = CLOCK
TV = TELEVISION

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
X	IN FLOOR DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
X	IN FLOOR DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	IN FLOOR EMERGENCY DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	IN FLOOR EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	COMBINATION DUPLEX RECEPTACLE AND COMMUNICATIONS FLOORBOX. DEVICE CONFIGURATION AS INDICATED ON PLANS.		
X	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING	FLUSH
X	CEILING MOUNTED DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	CEILING MOUNTED EMERGENCY DUPLEX RECEPTACLE		
X	CEILING MOUNTED EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	COMBINATION POWER/COMMUNICATION IN CEILING OUTLET. CONFIGURATION AS INDICATED ON PLANS		
X	SIMPLEX RECEPTACLE	WALL, UON	+18", UON
X	DUPLEX RECEPTACLE		
X	DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	EMERGENCY DUPLEX RECEPTACLE		
X	EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AND AMPERAGE AS NOTED ON PLANS		
	MULTI-OUTLET ASSEMBLY (SURFACE MOUNTED RACEWAY)	VARIES SEE PLANS	VARIES SEE PLANS
	COMBINATION POWER/COMMUNICATION POLE. CONFIGURATION AS NOTED ON PLANS		
J	WALL MOUNTED CODE SIZE J-BOX	VARIES SEE PLANS	VARIES SEE PLANS
J	CODE SIZE JUNCTION BOX		
P	CODE SIZE PULLBOX (OR AS SIZED ON PLAN)		
•	PUSHBUTTON (EMERGENCY POWER OFF - EPO)		
PC	PHOTOCELL		
•	LIGHTNING PROTECTION AIR TERMINAL	ROOF	VARIES
T	THERMOSTAT	WALL	+44" UON
CB 30/3R	ENCLOSED CIRCUIT BREAKER. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
30/1	NON-FUSED DISCONNECT SWITCH. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
30/3R	FUSED DISCONNECT SWITCH. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
0/1	MOTOR STARTER. STARTER SIZE INDICATED BY NUMBER/NEMA ENCLOSURE RATING, SINGLE SPEED UON		
1/30/3R	COMBINATION FUSIBLE DISCONNECT SWITCH AND MOTOR STARTER. NEMA STARTER SIZE/AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
5	MOTOR. NUMBER INDICATES HORSEPOWER RATING FOR 1HP AND LARGER	N/A	N/A
F	MOTOR. "F" INDICATES FRACTIONAL HORSEPOWER		

EQUIPMENT

SYMBOL	DESCRIPTION
MSB	MAIN SWITCHBOARD. DASHED LINES INDICATE CLEARANCES.
DB	DISTRIBUTION BOARD OR PANEL. DASHED LINES INDICATE CLEARANCES.
H1A	FLUSH MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
L1A	SURFACE MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
MCC	MOTOR CONTROL CENTER. DASHED LINES INDICATE CLEARANCES.
T1A	DRY TYPE TRANSFORMER (15kVA OR ABOVE). WITH EQUIPMENT TAG (TAG INSIDE OR OUTSIDE, DEPENDING ON SIZE). IN MOST CASES, ACTUAL SIZE SHOWN ON PLANS (ELECTRICAL ROOMS).
T	DRY TYPE TRANSFORMER (LESS THAN 15kVA), WITH NO EQUIPMENT TAG. SIZE, TYPE AND LOCATION NOTED ON PLANS.
VFD	VARIABLE FREQUENCY DRIVE
UPS-A	UNINTERRUPTABLE POWER SUPPLY. DASHED LINES INDICATE CLEARANCES.
ATS-1	AUTOMATIC TRANSFER SWITCH. DASHED LINES INDICATE CLEARANCES.
G	GROUND BAR

LIGHTING

REFER TO LUMINAIRE SCHEDULE FOR ALL LUMINAIRE TYPES WHETHER WALL MOUNTED OR CEILING MOUNTED.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	HATCHING INDICATES EMERGENCY LIGHTING. HATCH WILL BE MODIFIED FOR EACH LUMINAIRE TYPE. EMERGENCY LUMINAIRE DESIGNATED WITH "E" IN TYPE DESIGNATION.	VARIES	REFER TO LIGHTING SCHEDULE
3 A a	RECESSED MOUNTED LUMINAIRE. SMALL CASE "a" DENOTES SWITCHING, NUMBER "3" DENOTES BRANCH CIRCUITING. SYMBOL "A" DENOTES LUMINAIRE TYPE	CEILING	
	SURFACE MOUNTED LUMINAIRE. LUMINAIRE TYPE AS INDICATED ON PLANS		
	LINEAR DIRECT/INDIRECT LUMINAIRE. CABLE OR STEM MOUNTED		
	DOWN LIGHT LUMINAIRE; CEILING MOUNTED		
	WALL MOUNTED LUMINAIRES	WALL	
	TRACK MOUNTED LUMINAIRES	SURFACE	
	STRIP LUMINAIRE		
WALL CEILING	EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS	VARIES	
WALL CEILING	DOUBLE FACE EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS		
	EMERGENCY BATTERY PACK LUMINAIRE (BUG-EYE/FROG-EYE)		
	SINGLE HEAD, POLE MOUNTED LUMINAIRE	EXTERIOR	AS DETAILED
	DOUBLE HEAD, POLE MOUNTED LUMINAIRE		
$ X	DEVICE INDICATOR LETTER. "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST SWITCH TYPES): a = SMALL CASE LETTER DENOTES SWITCHING CONTROL; 2 = DOUBLE POLE TOGGLE SWITCH; 3 = THREE-WAY TOGGLE SWITCH; 4 = FOUR-WAY TOGGLE SWITCH; P = PILOT LIGHT TOGGLE SWITCH; M = MOMENTARY CONTACT SWITCH; K = KEY OPERATED SWITCH; WP = WEATHERPROOF TOGGLE SWITCH; T = MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION; D = DIMMER SWITCH; TW= TWIST TIMER SWITCH	WALL	+44" UON
OS	WALL MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS		
VS	WALL MOUNTED VACANCY SENSOR; TYPE AS INDICATED ON PLANS		
VS	CEILING MOUNTED VACANCY SENSOR; TYPE AS INDICATED ON PLANS	CEILING	SURFACE
OS	CEILING MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS		
DL	DAY-LIGHTING SENSOR; TYPE AS INDICATED ON PLANS		
RC	ROOM CONTROLLER; TYPE AS INDICATED ON PLANS		

UTILITIES

SYMBOL	DESCRIPTION
•	DISTRIBUTION POLE FOR OVERHEAD ELECTRICAL OR COMMUNICATIONS AS INDICATED ON PLAN.
X X X	OVERHEAD UTILITY AND OR SYSTEM DISTRIBUTION. 3PH = THREE PHASE; 1PH = SINGLE PHASE; P = ELECTRICAL PRIMARY; S = ELECTRICAL SECONDARY; T = TELECOMMUNICATION; TV = TELEVISION; E = EMERGENCY POWER; ATSC = AUTOMATIC TRANSFER SWITCH CONTROL; N = NEW; EX = EXISTING
X X X	UNDERGROUND UTILITY AND OR SYSTEM DISTRIBUTION.
UT	UTILITY OR FACILITY TRANSFORMER
S	PAD MOUNTED SWITCH
CC	CONNECTION CABINET (UTILITY METER MOUNT)
PM	PRIMARY SITE METER ENCLOSURE
ME	METER ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
CT	CT ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
MH	MANHOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
HH	HAND HOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
EG	ENGINE GENERATOR
TP	TELECOMMUNICATION PEDESTAL
TVP	TELEVISION PEDESTAL

FIRE ALARM

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
FACP	FIRE ALARM CONTROL PANEL	WALL	-
FATC	FIRE ALARM TERMINAL CABINET (EQUIPMENT NAMING CONVENTION PER PLANS)		
FAA	FIRE ALARM ANNUNCIATOR PANEL	WALL	+44"
F	PULL STATION		
F	FIREMAN'S TELEPHONE OUTLET		
F	HORN NOTIFICATION	WALL	+80" UON
S	SPEAKER NOTIFICATION		
C	CHIME NOTIFICATION		
	COMBINATION SPEAKER AND CHIME NOTIFICATION		
	SPEAKER/HORN WITH STROBE LIGHT		
	STROBE LIGHT ONLY		
B	BELL (GONG)		
P	PHOTOELECTRIC SMOKE DETECTOR	CEILING	SURFACE
I	IONIZATION SMOKE DETECTOR		
R/F	COMBINATION RATE OF RISE / FIXED TEMPERATURE		
F	FIXED TEMPERATURE; TEMPERATURE AS NOTED ON PLANS OR SPECIFICATIONS		
R	RATE OF RISE ONLY		
BT	BEAM TRANSMITTER	CEILING OR WALL	VARIES
BR	BEAM RECEIVER		
U	UNDER FLOOR SMOKE DETECTOR	UNDER FLOOR	SEE PLANS
	DUCT DETECTOR	AT DUCT	SEE PLANS
	FIRE/SMOKE DAMPER		
PS	PRESSURE SWITCH	PIPE	VARIES
TS	TAMPER SWITCH		
FS	FLOW SWITCH		
PIV	POST INDICATOR VALVE		
M	MAGNETIC DOOR HOLDER	VARIES	SEE PLANS
R	CONTROL RELAY		
MM	MONITOR MODULE		
	REMOTE ALARM INDICATING LIGHT		
R	ADDRESSABLE/SUPERVISED RELAY		

ONE-LINE DIAGRAM

SYMBOL	DESCRIPTION
300 / 400	CIRCUIT BREAKER; TRIP SETTING/FRAME SIZE OR NO. OF POLES. SETTINGS AND PROTECTION AS NOTED ON PLANS
300 / 400	DRAWOUT CIRCUIT BREAKER (TRIP SETTING / FRAME SIZE)
300 / 400	MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER (TRIP SETTING / FRAME SIZE)
T1A 75kVA K-4 208Y/120V Δ 480V	TRANSFORMER. TRANSFORMER NAME, TRANSFORMER kVA RATING, PRIMARY VOLTAGE AND WIRING CONFIGURATION, SECONDARY VOLTAGE, K RATING (IF APPLICABLE)
3000/5	CURRENT TRANSFORMER, NUMBER "3000/5" DENOTES RATIO.
	POTENTIAL TRANSFORMER.
300A	DISCONNECT SWITCH. "300A" DENOTES AMPERAGE RATING
300A	FUSE. "300A" DENOTES AMPERAGE RATING
G	GROUND FAULT PROTECTION
ST	SHUNT TRIP OPERATOR
	GROUND CONNECTION
	TRANSFER SWITCH. SEE PLANS FOR TYPE OF SWITCH
	SURGE ARRESTOR
SPD	SURGE PROTECTIVE DEVICE
KW	KILOWATT METER
M	ELECTRONIC METER
K1	KIRK KEY INTERLOCK No.1
R1	RELAY No.1
AS	AMMETER SWITCH
A	AMMETER
VS	VOLTMETER SWITCH
V	VOLTMETER
	DELTA CONNECTED
	WYE CONNECTED
	GENERATOR
VFD	VFD CONNECTION
5	MOTOR CONNECTION
UPS	UPS

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OCTOBER 01, 2020

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CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL LEGEND

E-001

PLAN

PLAN

PLAN

SECTION

OBSTRUCTED SIDE REACH

SECTION

OBSTRUCTED FORWARD REACH

SECTION

SECTION

UNOBSTRUCTED FORWARD AND SIDE REACH

ELEVATION

DEVICE OUTLET MOUNTING

A1 DEVICE MOUNTING DETAILS

SCALE: 1/2" = 1'-0"

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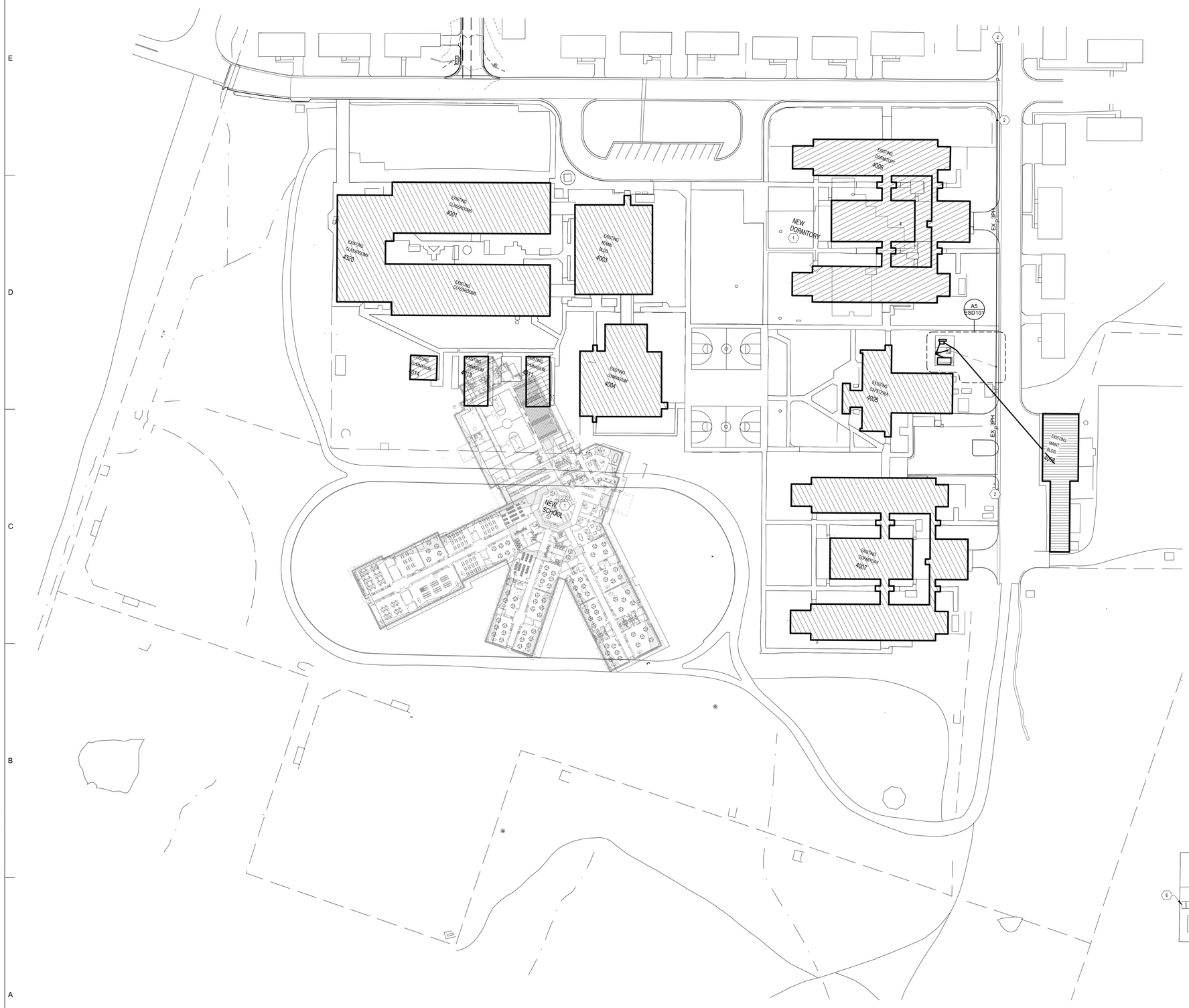
DEVICE MOUNTING DETAIL

E-002



GENERAL NOTES

A. REFER TO SHEET ED101S DEMOLITION DIAGRAM FOR ADDITIONAL ELECTRICAL DISTRIBUTION INFORMATION.
B. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT THAT REQUIRE ELECTRICAL REMOVAL.
C. COMPLY WITH NFPA 70, 2004 ED.

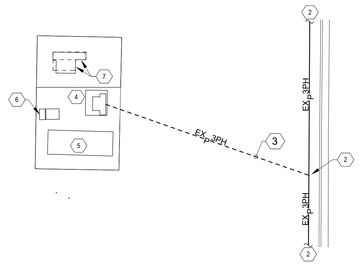
MAINTENANCE SHOP DEMOLITION - CONTRACTOR WILL REMOVE ALL ELECTRICAL, FIRE ALARM, AND TECHNOLOGY SYSTEMS FROM BUILDING BACK TO EQUIPMENT SOURCE. SYSTEMS TO BE REMOVED ARE, BUT NOT LIMITED TO THE FOLLOWING:
1. LIGHTING AND LIGHTING CONTROL; RACEWAYS AND CONDUCTORS.
2. GENERAL POWER/RECEPTACLES; RACEWAY AND CONDUCTORS.
3. MECHANICAL / PLUMBING POWER; EQUIPMENT, RACEWAYS, AND CONDUCTORS.
4. FIRE ALARM; RACEWAY AND CONDUCTORS.
5. ALL TECHNOLOGIES AS DIRECTED BY OWNERS CONTRACTED VENDOR.

PHASE 1 DEMOLITION - CONTRACTOR WILL REMOVE ALL ELECTRICAL, FIRE ALARM, AND TECHNOLOGY SYSTEMS FROM BUILDING BACK TO EQUIPMENT SOURCE. SYSTEMS TO BE REMOVED ARE, BUT NOT LIMITED TO THE FOLLOWING:
1. LIGHTING AND LIGHTING CONTROL; RACEWAYS AND CONDUCTORS.
2. GENERAL POWER/RECEPTACLES; RACEWAY AND CONDUCTORS.
3. MECHANICAL / PLUMBING POWER; EQUIPMENT, RACEWAYS, AND CONDUCTORS.
4. FIRE ALARM; RACEWAY AND CONDUCTORS.
5. ALL TECHNOLOGIES AS DIRECTED BY OWNERS CONTRACTED VENDOR.

PHASE 2 AND 3 DEMOLITION - CONTRACTOR WILL REMOVE ALL ELECTRICAL, FIRE ALARM, AND TECHNOLOGY SYSTEMS FROM BUILDING BACK TO EQUIPMENT SOURCE. SYSTEMS TO BE REMOVED ARE, BUT NOT LIMITED TO THE FOLLOWING:
1. LIGHTING AND LIGHTING CONTROL; RACEWAYS AND CONDUCTORS.
2. GENERAL POWER/RECEPTACLES; RACEWAY AND CONDUCTORS.
3. MECHANICAL / PLUMBING POWER; EQUIPMENT, RACEWAYS, AND CONDUCTORS.
4. FIRE ALARM; RACEWAY AND CONDUCTORS.
5. ALL TECHNOLOGIES AS DIRECTED BY OWNERS CONTRACTED VENDOR.

KEYNOTES

1. NEW BUILDING OUTLINE SHOWN HERE FOR REFERENCE ONLY.
2. EXISTING (EX) JMEC OVERHEAD DISTRIBUTION POWER POLE AND CONTINUATION ON SITE.
3. EXISTING (EX) JMEC UNDERGROUND DISTRIBUTION.
4. EXISTING JMEC UTILITY TRANSFORMER AND SIDE MOUNTED METER WILL REMAIN.
5. EXISTING GENERATOR WILL REMAIN.
6. EXISTING 600A AUTOMATIC TRANSFER SWITCH (ATS) WILL BE REMOVED AND MODIFIED. REFER TO ED-601,E-601, AND ES-101 FOR ADDITIONAL INFORMATION.
7. REMOVE EXISTING SWITCHBOARD AND PULL BOX. REFER TO SHEET ED-601 FOR ADDITIONAL INFORMATION.



A1 ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1" = 50'-0"

0' 25' 50' 100'

A5 ENLARGED UTILITY YARD
1 : 200

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SHEET TITLE

ELECTRICAL DEMOLITION SITE PLAN

ESD101

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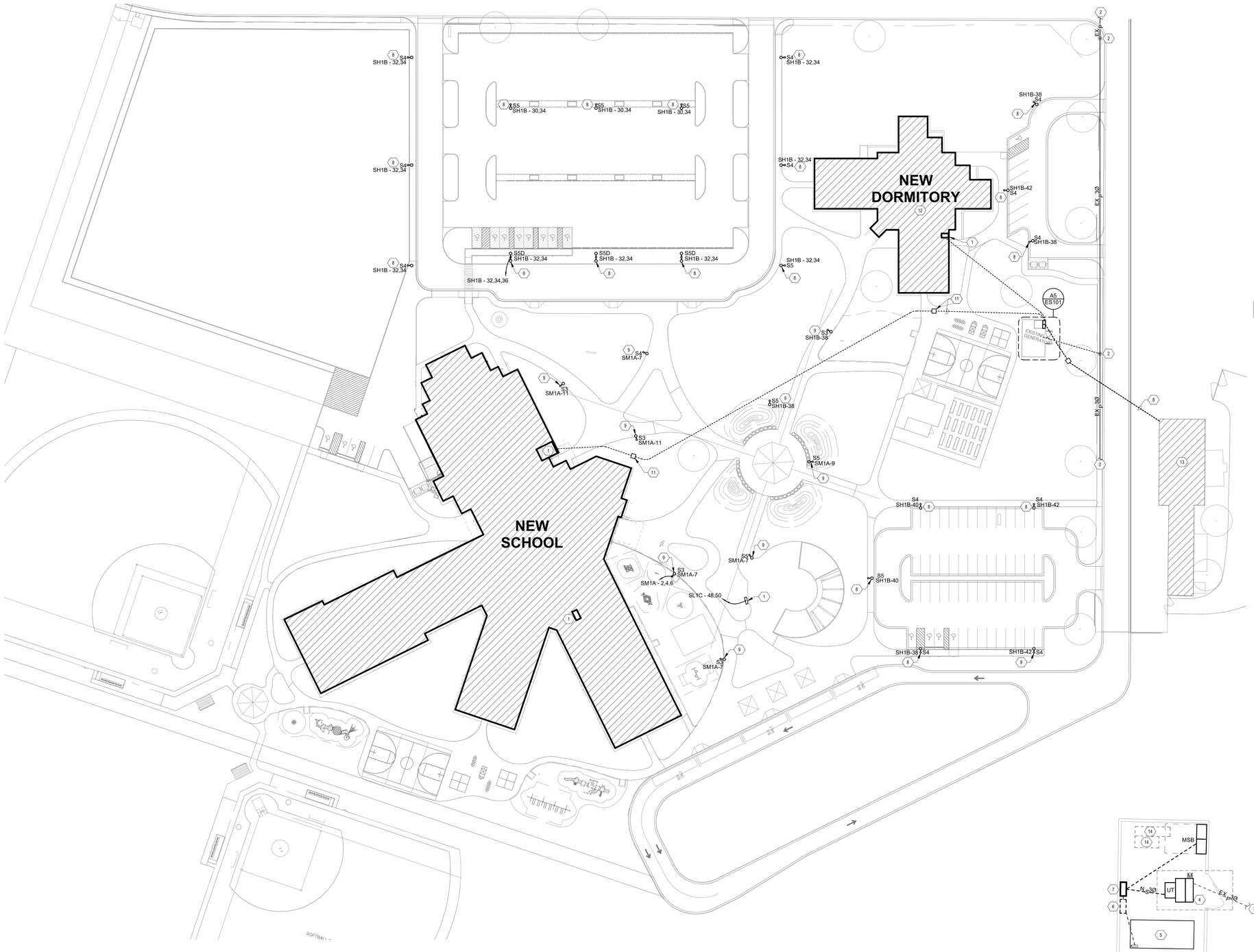
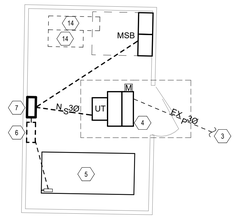


GENERAL NOTES

A. SEE SHEET E-603 FOR FIRE ALARM RISER DIAGRAM AND ADDITIONAL INFORMATION.
B. REFER TO SHEET SERIES "C", "AS", "M", "T" AND "P" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS.
C. REFER TO SHEET E-601 FOR ONE-LINE DIAGRAM AND ADDITIONAL ELECTRICAL DISTRIBUTION INFORMATION.
D. REFER TO SHEET SERIES "T" FOR TELECOMMUNICATION ROOMS, EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
E. ALL EXTERIOR BUILDING LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE ELECTRICAL ROOM WHERE PANEL CIRCUITING THOSE LUMINAIRES IS LOCATED. THE EXTERIOR BUILDING LUMINAIRES AND SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
F. REFER TO SHEET E-701 FOR LUMINAIRE SCHEDULE.
G. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ARCHITECT FOR CLARIFICATION, PRIOR TO COMMENCING SUCH WORK.
H. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS.
I. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

1. ELECTRICAL ROOM. REFER TO SHEET SERIES "EP" FOR ROOM LOCATION AND LAYOUTS.
2. EXISTING (EX) JMEC OVERHEAD DISTRIBUTION POWER AND CONTINUATION ON SITE.
3. EXISTING (EX) JMEC UNDERGROUND DISTRIBUTION.
4. EXISTING (EX) JMEC UTILITY TRANSFORMER AND SIDE MOUNTED METER WILL REMAIN. CONTRACTOR WILL COORDINATE WITH JMEC REPRESENTATIVE AND INSTALLATION GUIDE FOR INSTALLATION OF SECONDARY FEEDERS. REFER TO SHEET E-601 FOR ADDITIONAL INFORMATION.
5. EXISTING GENERATOR WILL REMAIN. CONTRACTOR WILL REMOVE EXISTING CONDUCTORS AND PROVIDE NEW TO NEW ATS. EXISTING RACEWAY WILL BE REVISED. REFER TO SHEET ED-601 AND E-601 FOR ADDITIONAL INFORMATION.
6. REMOVE EXISTING 600A ATS. EXISTING HOUSING CAN BE REVISED AS A PULLBOX FOR REUSE IN EXTENDING NEW CONDUCTORS TO NEW ATS. REFER TO SHEET E-601 FOR ADDITIONAL INFORMATION.
7. PROVIDE NEW ATS. REFER TO SHEET E-601 FOR ADDITIONAL INFORMATION.
8. POLE MOUNTED LUMINAIRE. REFER TO POLE BASE DETAIL 2 ON SHEET E-501. METAL POLE TO BE PROVIDED WITH AN EQUIPMENT GROUND WIRE AND GROUND ROD AT EACH POLE LOCATION.
9. POLE MOUNTED LUMINAIRE. REFER TO POLE BASE DETAIL 6 ON SHEET E-501. METAL POLE TO BE PROVIDED WITH AN EQUIPMENT GROUND WIRE AND GROUND ROD AT EACH POLE LOCATION.
10. PROVIDE 12"X12"X6" LOCKABLE (KEY) NEMA 3R ENCLOSURE. THIS ENCLOSURE WILL HOUSE TWO QUADPLEX DEVICES FOR AMPHITHEATER USE. ENCLOSURE WILL HAVE A HINGED COVER.
11. PROVIDE 4'X4'X4' IN-GROUND HAND HOLE; QUAZITE OR APPROVED EQUAL. HAND HOLE WILL BE RATED FOR 15K LBS. LABEL COVER "ELECTRICAL".
12. REFER TO DORMITORY PACKAGE FOR ELECTRICAL INFORMATION.
13. REFER TO MAINTENANCE SHOP PACKAGE FOR ELECTRICAL INFORMATION.
14. EXISTING SWITCHBOARD AND OLD SWITCHBOARD (PULLBOX) WILL BE REMOVED AT SUCH TIME IN CONSTRUCTION SCHEDULE.



A5 ENLARGED UTILITY YARD
3/32" = 1'-0"

A1 ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"

0' 30' 60' 120'

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SHEET TITLE

ELECTRICAL SITE PLAN

ES101

School Information

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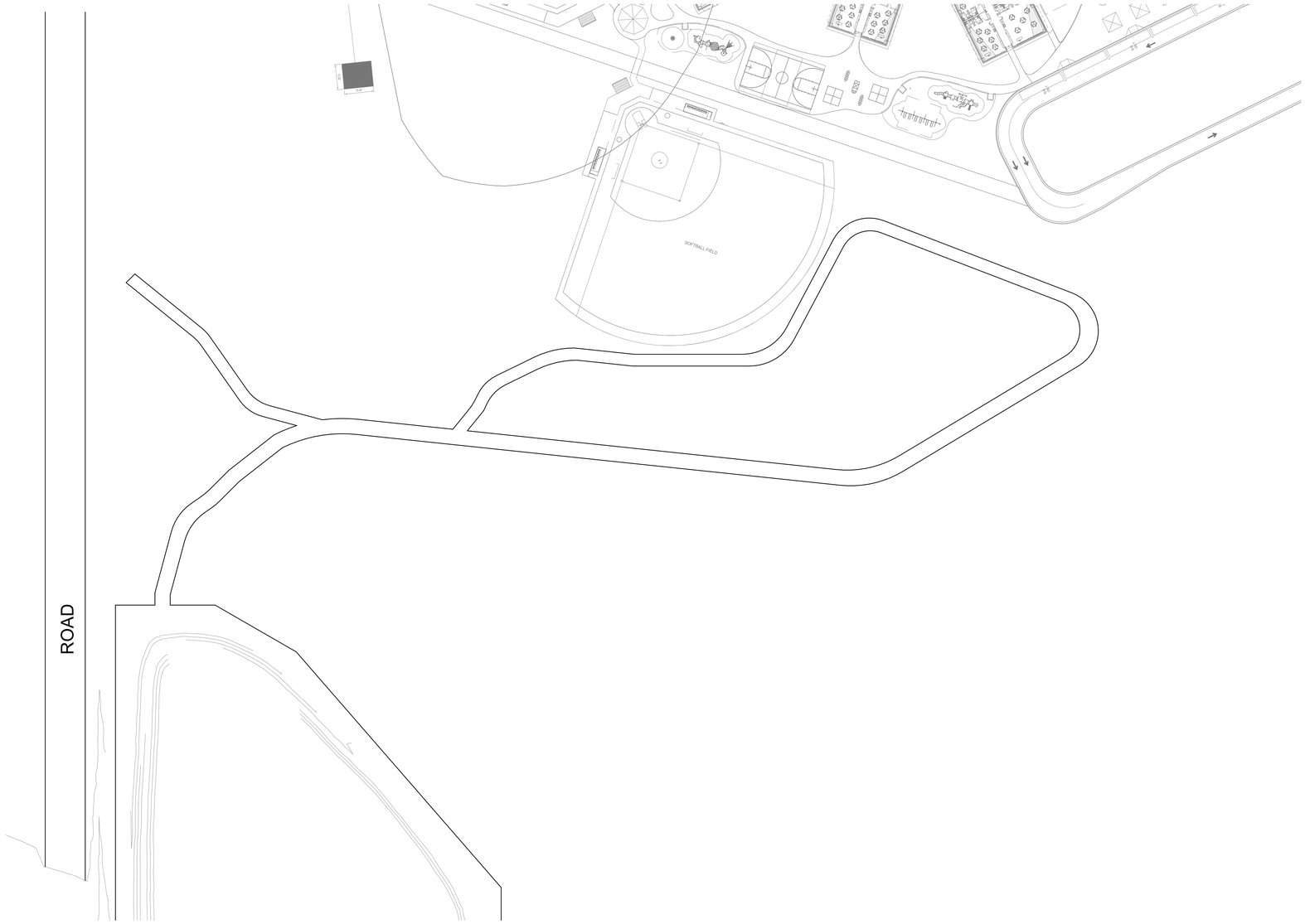

A1 ELECTRICAL SITE PLAN - LAGOON
SCALE: 1" = 50'-0"

0' 30' 60' 120'

GENERAL NOTES

A. SEE SHEET E-603 FOR FIRE ALARM RISER DIAGRAM AND ADDITIONAL INFORMATION.
B. REFER TO SHEET SERIES "C", "AS", "M", "T" AND "P" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS.
C. REFER TO SHEET E-601 FOR ONE-LINE DIAGRAM AND ADDITIONAL ELECTRICAL DISTRIBUTION INFORMATION.
D. REFER TO SHEET SERIES "T" FOR TELECOMMUNICATION ROOMS, EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
E. ALL EXTERIOR BUILDING LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE ELECTRICAL ROOM WHERE PANEL CIRCUITING THOSE LUMINAIRES IS LOCATED. THE EXTERIOR BUILDING LUMINAIRES AND SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
F. REFER TO SHEET E-701 FOR LUMINAIRE SCHEDULE.
G. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ARCHITECT FOR CLARIFICATION, PRIOR TO COMMENCING SUCH WORK.
H. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS.
I. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

1. ELECTRICAL ROOM. REFER TO SHEET SERIES "EP" FOR ROOM LOCATION AND LAYOUTS.
2. EXISTING (EX) JMEC OVERHEAD DISTRIBUTION POWER AND CONTINUATION ON SITE.
3. EXISTING (EX) JMEC UNDERGROUND DISTRIBUTION.
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9. POLE MOUNTED LUMINAIRE. REFER TO POLE BASE DETAIL 6 ON SHEET E-501. METAL POLE TO BE PROVIDED WITH AN EQUIPMENT GROUND WIRE AND GROUND ROD AT EACH POLE LOCATION.
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11. PROVIDE 4'X4'X4' IN-GROUND HAND HOLE; QUAZITE OR APPROVED EQUAL. HAND HOLE WILL BE RATED FOR 15K LBS. LABEL COVER "ELECTRICAL".
12. REFER TO DORMITORY PACKAGE FOR ELECTRICAL INFORMATION.
13. REFER TO MAINTENANCE SHOP PACKAGE FOR ELECTRICAL INFORMATION.
14. EXISTING SWITCHBOARD AND OLD SWITCHBOARD (PULLBOX) WILL BE REMOVED AT SUCH TIME IN CONSTRUCTION SCHEDULE.

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ELECTRICAL SITE PLAN LAGOONS

ES102

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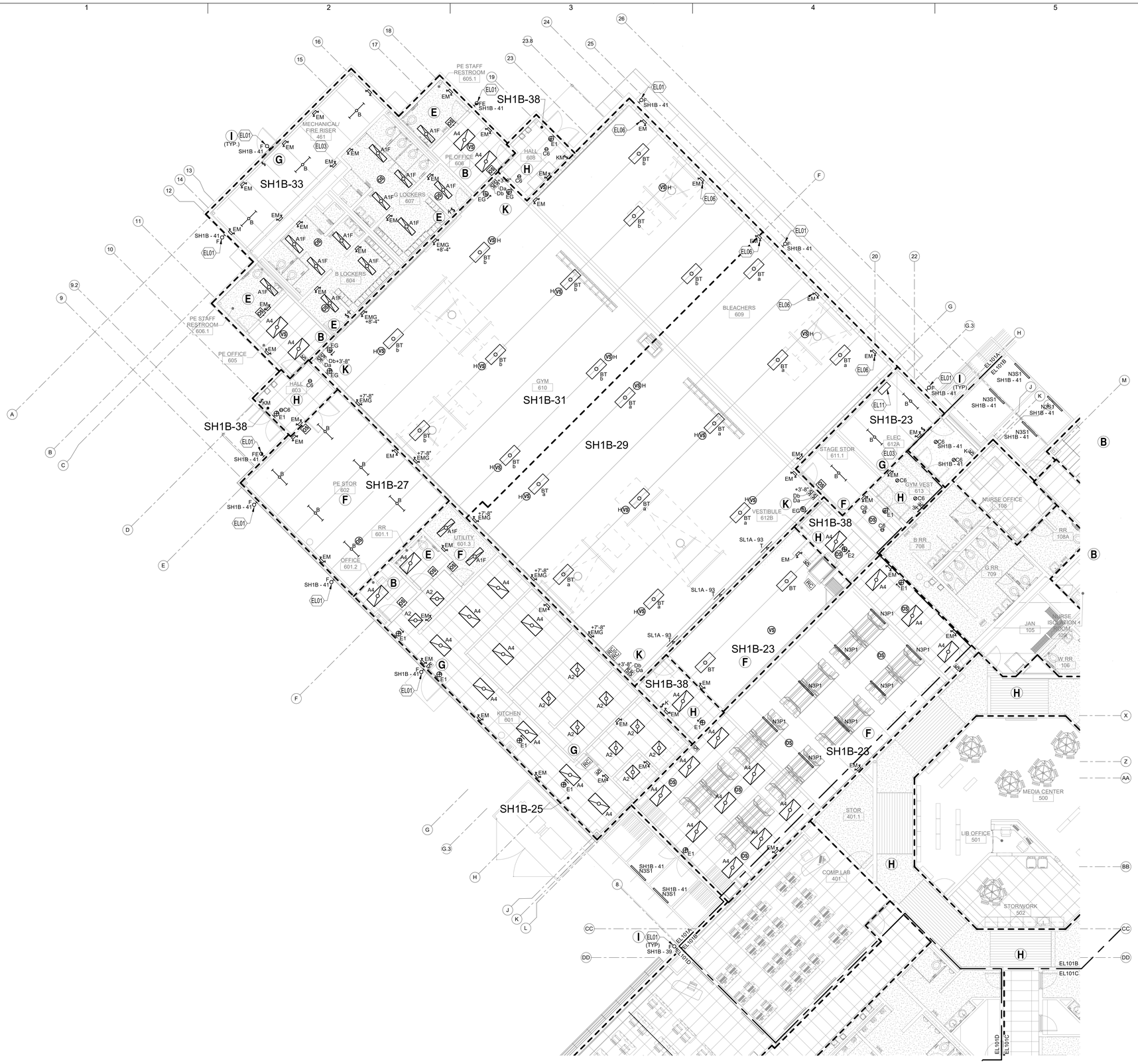
School Information



A1 LIGHTING FLOOR PLAN A

1/8" = 1'-0"

0' 4' 8' 16'

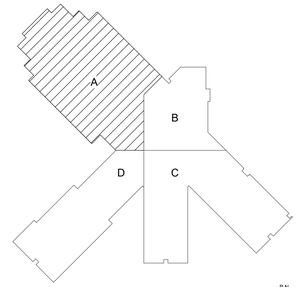
GENERAL NOTES

A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) ,"E2" (DOUBLE FACE) OR "EG" UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EG" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
B. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
C. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
D. FOR LUMINAIRE MOUNTING, REFER TO DETAILS B3 AND E3 ON SHEET E-501.
E. REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
F. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES AE200.
G. ALL CORRIDOR AND LOBBY LUMINAIRES WILL BE ROUTED THROUGH A RELAY PANEL LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES.
H. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES. THE EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
I. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
J. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
K. COMPLY WITH NFPA 70, 2004 ED.

REFER TO SHEET E-702 FOR LIGHTING SEQUENCE OF OPERATION.
(A) INDICATES SEQUENCE IN EACH ROOM.

KEYNOTES

EL01	ALL EXTERIOR BUILDING MOUNTED LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK PANEL LOCATED IN THE MAIN ELECTRICAL ROOM . RELAY PANEL WILL HAVE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING.
EL03	REFER TO SHEET SERIES "EP" FOR ELECTRICAL EQUIPMENT LAYOUT IN THIS ROOM. CONTRACTOR TO STEM MOUNT LIGHTING AND UTILIZE UNISTRUT SO THAT LOCATION IS CENTERED AND AWAY FROM OBSTRUCTION.
EL06	MOUNT LUMINAIRES 8'-0" ABOVE HIGHEST SEAT ON BLEACHERS.
EL11	ALL CORRIDOR AND COMMON SPACE LUMINAIRES WILL BE ROUTED THROUGH A RELAY PANEL LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES.



KEY PLAN

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

LIGHTING FLOOR PLAN A

EL-101A

Bridgers & Paxton Project No: 8226
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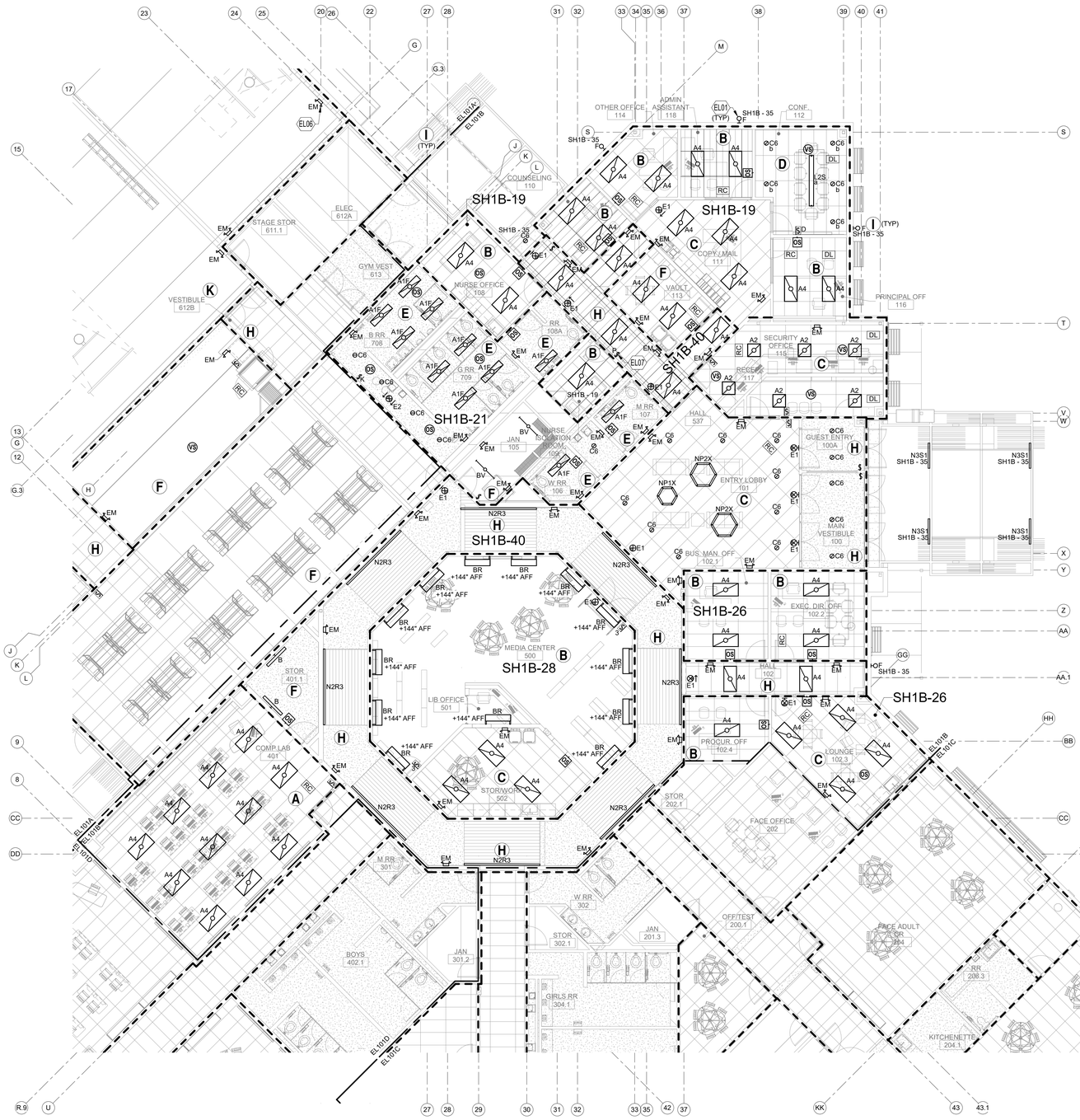
School Information



GENERAL NOTES

A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) ,"E2" (DOUBLE FACE) OR "EG" UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EG" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
B. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
C. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
D. FOR LUMINAIRE MOUNTING, REFER TO DETAILS B3 AND E3 ON SHEET E-501.
E. REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
F. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES AE200.
G. ALL CORRIDOR AND LOBBY LUMINAIRES WILL BE ROUTED THROUGH A RELAY PANEL LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES.
H. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES. THE EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
I. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
J. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
K. COMPLY WITH NFPA 70, 2004 ED.

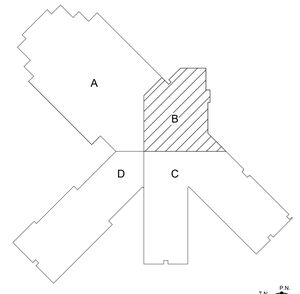
REFER TO SHEET E-702 FOR LIGHTING SEQUENCE OF OPERATION.
(A) INDICATES SEQUENCE IN EACH ROOM.

KEYNOTES

EL01	ALL EXTERIOR BUILDING MOUNTED LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK PANEL LOCATED IN THE MAIN ELECTRICAL ROOM . RELAY PANEL WILL HAVE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING.
EL06	MOUNT LUMINAIRES 8'-0" ABOVE HIGHEST SEAT ON BLEACHERS.
EL07	PROVIDE PILOT TOGGLE SWITCH OUTSIDE OF ROOM TO CONTROL LIGHTING IN ROOM. SIMILAR CONTROL TO LIGHTING SEQUENCE NOTE "G".

A1 LIGHTING FLOOR PLAN B
1/8" = 1'-0"

0' 4' 8' 16'



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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

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ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE
LIGHTING FLOOR PLAN B

EL-101B

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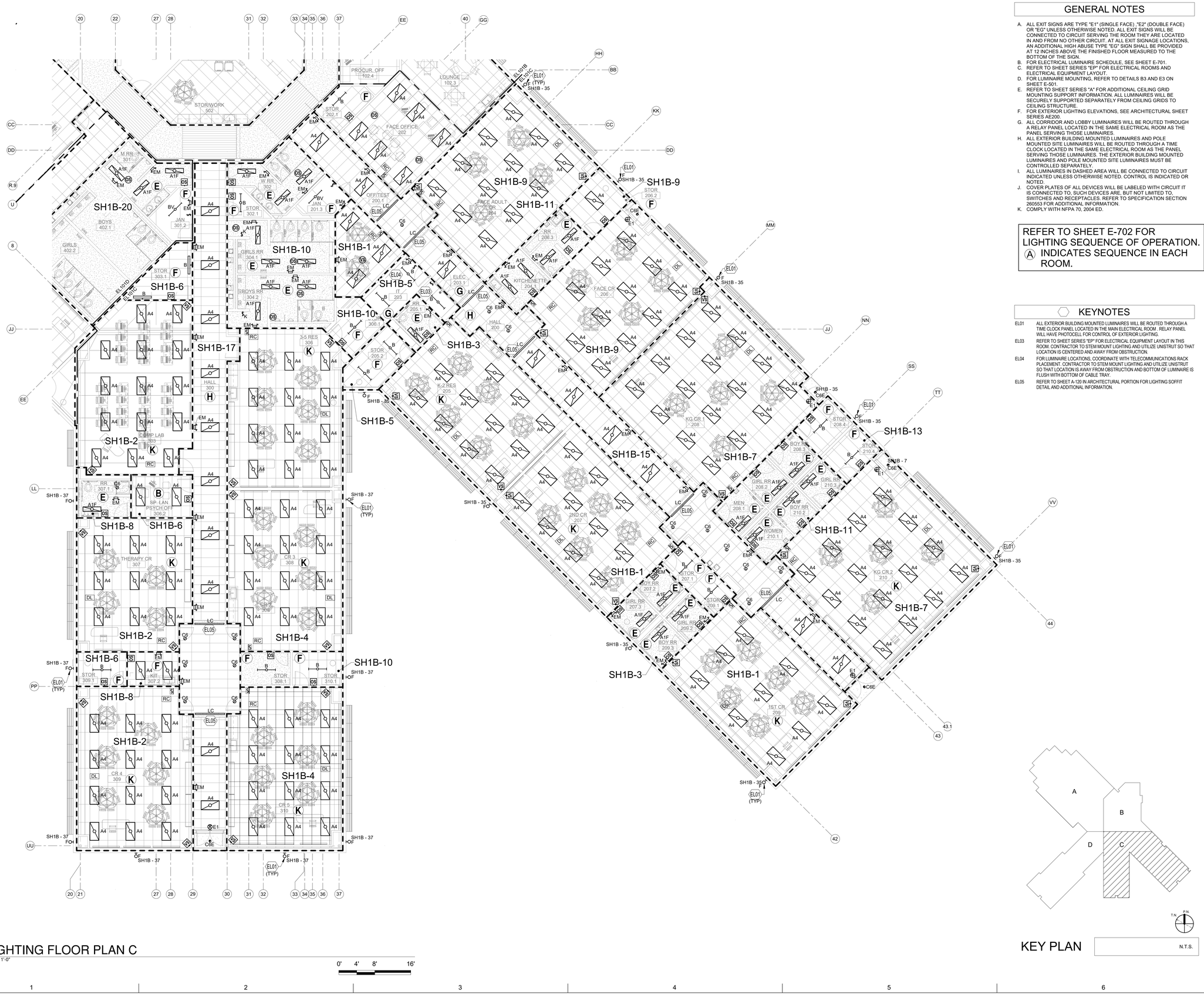
School Information



A1 LIGHTING FLOOR PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) ,"E2" (DOUBLE FACE) OR "EC" UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EC" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
B. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
C. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
D. FOR LUMINAIRE MOUNTING, REFER TO DETAILS B3 AND E3 ON SHEET E-501.
E. REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
F. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES AE200.
G. ALL CORRIDOR AND LOBBY LUMINAIRES WILL BE ROUTED THROUGH A RELAY PANEL LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES.
H. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES. THE EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
I. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
J. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
K. COMPLY WITH NFPA 70, 2004 ED.

REFER TO SHEET E-702 FOR LIGHTING SEQUENCE OF OPERATION.
(A) INDICATES SEQUENCE IN EACH ROOM.

KEYNOTES

EL01 ALL EXTERIOR BUILDING MOUNTED LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK PANEL LOCATED IN THE MAIN ELECTRICAL ROOM . RELAY PANEL WILL HAVE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING.
EL03 REFER TO SHEET SERIES "EP" FOR ELECTRICAL EQUIPMENT LAYOUT IN THIS ROOM. CONTRACTOR TO STEM MOUNT LIGHTING AND UTILIZE UNISTRUT SO THAT LOCATION IS CENTERED AND AWAY FROM OBSTRUCTION.
EL04 FOR LUMINAIRE LOCATIONS, COORDINATE WITH TELECOMMUNICATIONS RACK PLACEMENT. CONTRACTOR TO STEM MOUNT LIGHTING AND UTILIZE UNISTRUT SO THAT LOCATION IS AWAY FROM OBSTRUCTION AND BOTTOM OF LUMINAIRE IS FLUSH WITH BOTTOM OF CABLE TRAY.
EL05 REFER TO SHEET A-120 IN ARCHITECTURAL PORTION FOR LIGHTING SOFFIT DETAIL AND ADDITIONAL INFORMATION.

KEY PLAN

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35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

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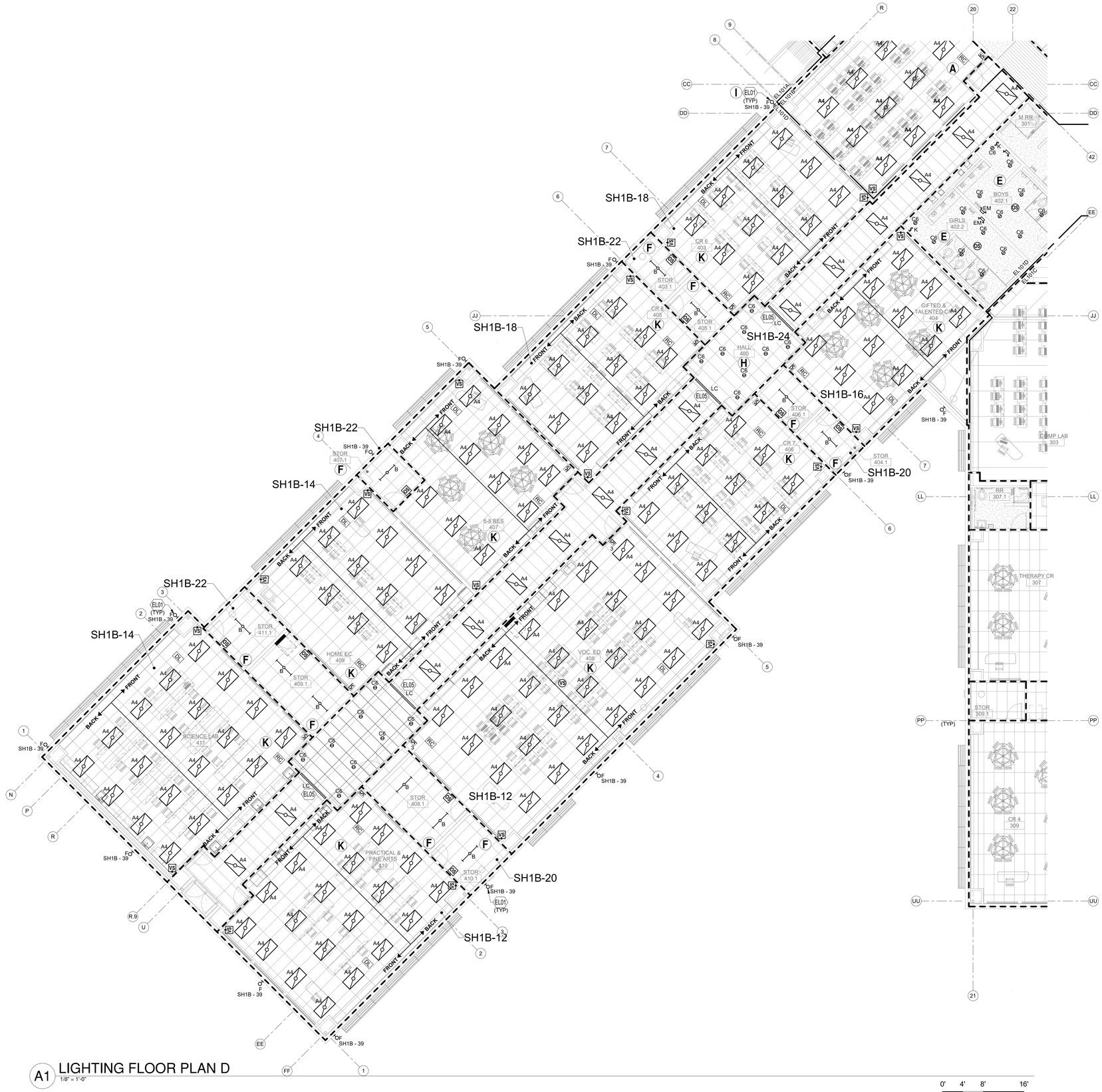
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

LIGHTING FLOOR PLAN C

EL-101C

Bridgers & Paxton Project No: 8226 10/1/2020 3:51:52 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerrera5SZ2MC.rvt School Information



A1 LIGHTING FLOOR PLAN D
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) ,"E2" (DOUBLE FACE) OR "EC" UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EC" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
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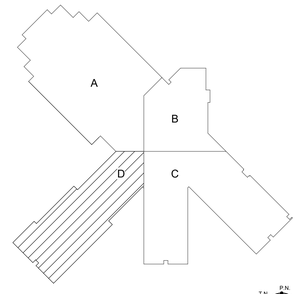
D. FOR LUMINAIRE MOUNTING, REFER TO DETAILS B3 AND E3 ON SHEET E-501.
E. REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
F. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES AE200.
G. ALL CORRIDOR AND LOBBY LUMINAIRES WILL BE ROUTED THROUGH A RELAY PANEL LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES.
H. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES. THE EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
I. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
J. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
K. COMPLY WITH NFPA 70, 2004 ED.

REFER TO SHEET E-702 FOR LIGHTING SEQUENCE OF OPERATION.
(A) INDICATES SEQUENCE IN EACH ROOM.

KEYNOTES

EL01 ALL EXTERIOR BUILDING MOUNTED LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK PANEL LOCATED IN THE MAIN ELECTRICAL ROOM . RELAY PANEL WILL HAVE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING.
EL05 REFER TO SHEET A-120 IN ARCHITECTURAL PORTION FOR LIGHTING SOFFIT DETAIL AND ADDITIONAL INFORMATION.

KEY PLAN



T.N. P.N.

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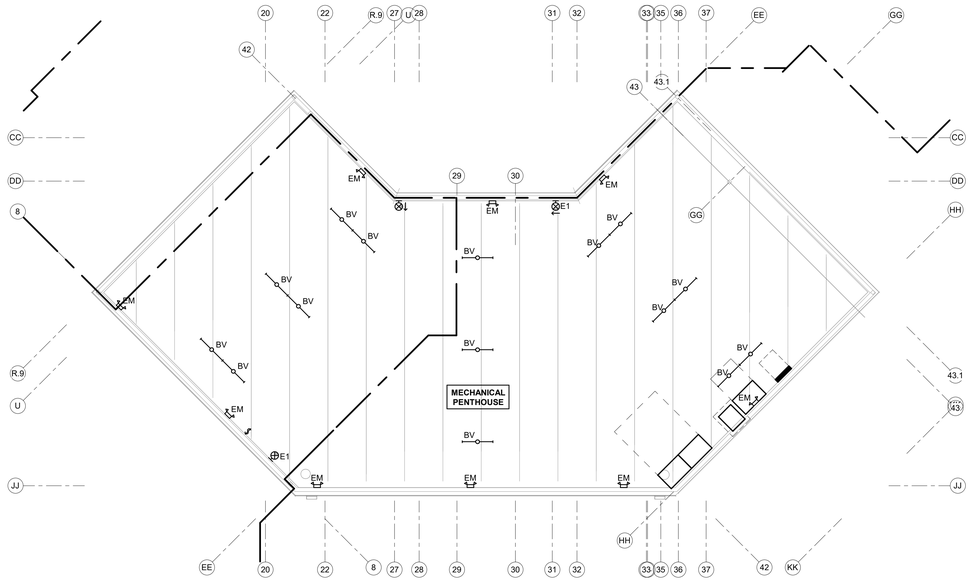
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

LIGHTING FLOOR PLAN D

EL-101D

Bridgers & Paxton Project No: 8226 10/1/2020 3:54:20 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerrera\SSZMC.rvt School Information



D3 LIGHTING PENTHOUSE PLAN
1/8" = 1'-0"

GENERAL NOTES

A. ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) ,"E2" (DOUBLE FACE) OR "EC" UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT. AT ALL EXIT SIGNAGE LOCATIONS, AN ADDITIONAL HIGH ABUSE TYPE "EC" SIGN SHALL BE PROVIDED AT 12 INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE SIGN.
B. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
C. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
D. FOR LUMINAIRE MOUNTING, REFER TO DETAILS B3 AND E3 ON SHEET E-501.
E. REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
F. FOR EXTERIOR LIGHTING ELEVATIONS, SEE ARCHITECTURAL SHEET SERIES AE200.
G. ALL CORRIDOR AND LOBBY LUMINAIRES WILL BE ROUTED THROUGH A RELAY PANEL LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES.
H. ALL EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE SAME ELECTRICAL ROOM AS THE PANEL SERVING THOSE LUMINAIRES. THE EXTERIOR BUILDING MOUNTED LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY.
I. ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
J. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
K. COMPLY WITH NFPA 70, 2004 ED.

REFER TO SHEET E-702 FOR LIGHTING SEQUENCE OF OPERATION.
(A) INDICATES SEQUENCE IN EACH ROOM.

KEYNOTES

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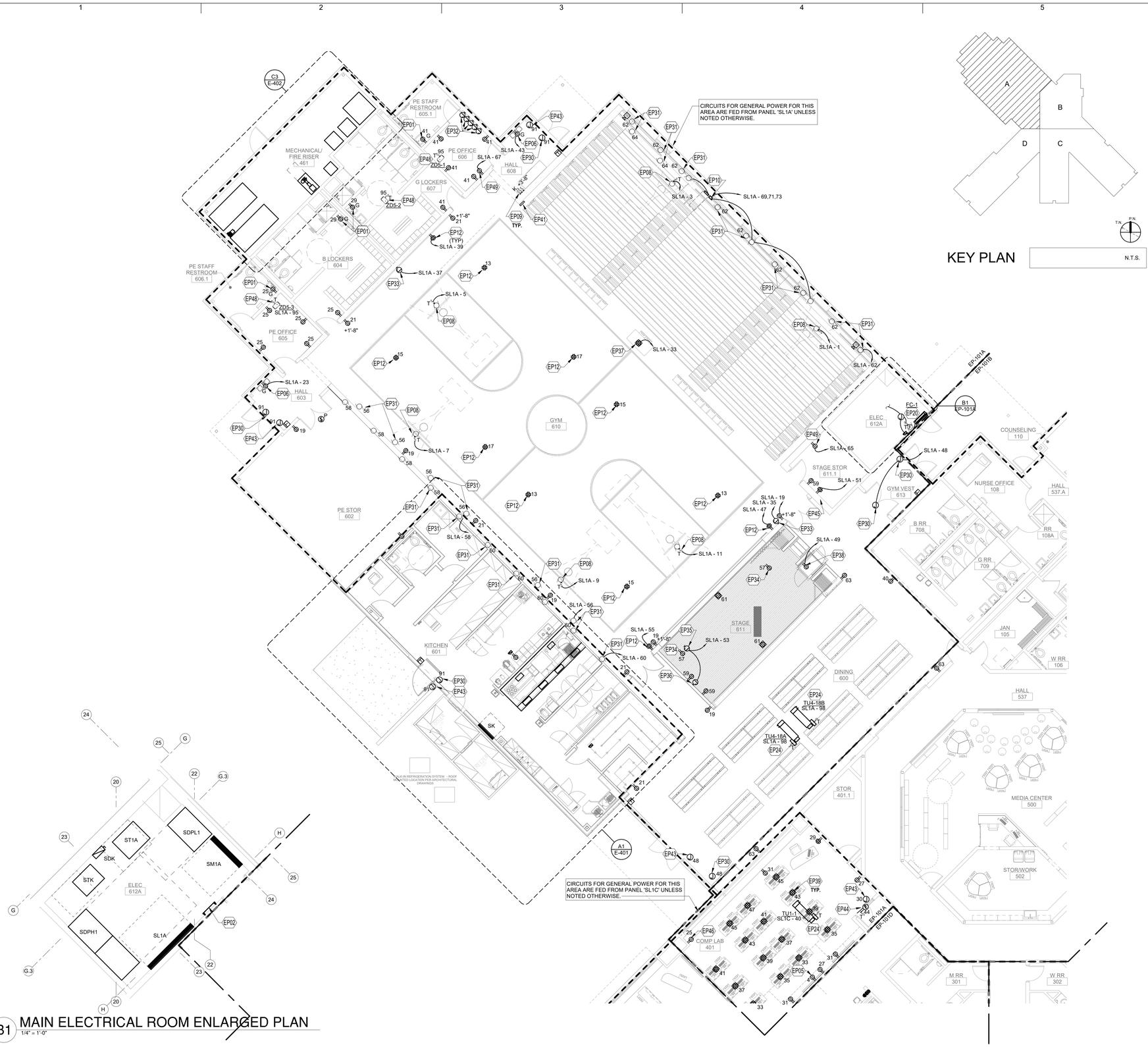
CHECKED BY:	JMM

SHEET TITLE
LIGHTING PENTHOUSE PLANS

EL-141

Bridgers & Paxton Project No: 8226 10/1/2020 3:54:22 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerreraSSZMC.rvt

School Information



B1 MAIN ELECTRICAL ROOM ENLARGED PLAN
1/4" = 1'-0"

A1 POWER FLOOR PLAN A
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED IN 'M' SHEET SERIES. RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY 'M' SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
C. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
F. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.
G. ALL CIRCUITS FOR GENERAL POWER WITH-IN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
H. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
I. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
J. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

EP01 MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
EP02 GROUNDING ELECTRODE GROUND BAR. REFER TO MAIN GROUNDING ELECTRODE BUS BAR DETAIL A5 ON SHEET E-501 AND ELECTRICAL GROUNDING DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION.
EP05 RECEPTACLE FOR WALL MOUNTED DISPLAY. MOUNT ADJACENT TO DATA/AV OUTLETS. COORDINATE WITH SHEET SERIES "T" FOR ADDITIONAL INFORMATION.
EP06 PROVIDE DEVICE FOR ELECTRIC WATER COOLER/BOTTLE FILLER. PROVIDE GFCI CIRCUIT BREAKER IN PANEL, NOT AT RECEPTACLE. MOUNT DEVICE SO IT IS CONCEALED BEHIND UNIT ALONG WITH CORD. COORDINATE WITH MANUFACTURER'S FOR ALL REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY WORK.
EP08 BASKETBALL GOAL HOIST MOTORS. PROVIDE A 3/4" CONDUIT, CONCEALED IN WALL, DOWN TO OUTLET FOR CONTROL LOCATION.
EP09 BASKETBALL GOAL RAISE/LOWER CONTROL DEVICES. PROVIDE CONDUCTORS BETWEEN CONTROL DEVICES AND BASKETBALL GOAL HOIST MOTORS PER ARCHITECTURAL SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
EP10 DISCONNECT FOR POWER TO BLEACHERS. CONTROL PANEL BY SYSTEM INSTALLER. ADDITIONAL MOTORS WILL BE CONNECTED TO CONTROL PANEL. VERIFY REQUIRED CIRCUIT CONDUCTOR AMPACITY AND BREAKER AMPACITY/POLE-CONFIGURATION WITH SUPPLIER AND ADJUST WIRING AND BREAKER SIZES AS NEEDED. COORDINATE LOCATION OF SYSTEM CONTROL UNIT AND ALL CONNECTIONS OF SYSTEM WITH SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ALL CONTROL AND OUTLET ROUGH-INS AND ASSOCIATED WIREWAYS. PROVIDE BRANCH CIRCUIT WIRING AND ALL OTHER CONDUCTORS PER MANUFACTURER'S REQUIREMENTS FOR A COMPLETE AND OPERATIONAL SYSTEM.
EP12 DEVICE FOR SPEAKER. COORDINATE EXACT MOUNTING HEIGHT AND ALL REQUIREMENTS WITH CONTRACTED VENDOR PRIOR TO ROUGH-IN.
EP20 SPLIT SYSTEM INDOOR UNIT. PROVIDE A KNIFE BLADE DISCONNECT SWITCH ADJACENT TO UNIT. RACEWAY AND CONDUCTORS WILL BE EXTENDED TO ASSOCIATED ROOF UNIT FOR THIS SPLIT SYSTEM. UNIT WILL BE PACKAGED WITH CONTROLS. PROVIDE JUNCTION BOX FOR SEPARATION OF POWER TO CONDENSATE PUMP AND FC UNIT. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP24 FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP30 PROVIDE POWER FOR CONNECTION TO DOOR HARDWARE. 3/4" CONDUIT BETWEEN EACH JUNCTION BOX AND PERMANENT CONDUCTORS PER DOOR HARDWARE INSTALLER'S INSTRUCTIONS.
EP31 POWER FOR SHADES. EXTEND A 1" CONDUIT TO JUNCTION BOX LOCATION IN PE 606. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO COMMENCEMENT OF ANY WORK.
EP32 JUNCTION BOXES WILL BE FOR SHADE CONTROL. PROVIDE A 1" CONDUIT TO SHADES. ONE WILL CONTROL SHADES ON SOUTH UPPER WALL. ONE WILL CONTROL SHADES ON EAST UPPER WALL. ONE WILL CONTROL SHADES ON THE WEST LOWER WALL. ONE WILL CONTROL SHADES ON THE WEST UPPER WALL AND ONE WILL CONTROL SHADES ON EAST LOWER WALL.
EP33 DEVICE FOR SCOREBOARD. LOCATE ADJACENT TO LOW-VOLTAGE SIGNAL PULL BOX FOR CONTROL. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR MOUNTING BEHIND SCOREBOARD. PROVIDE ALL NECESSARY RACEWAY AND CONDUITS FOR A COMPLETE AND OPERABLE SYSTEM.
EP34 RECEPTACLE MOUNTED ON SOFFIT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK.
EP35 DEVICE FOR PROJECTION SCREEN. COORDINATE WITH MANUFACTURER FOR ALL REQUIREMENTS.
EP36 JUNCTION BOX WILL BE FOR PROJECTION SCREEN CONTROL. PROVIDE A 3/4" CONDUIT WITH PULLROPE TO PROJECTION SCREEN.
EP37 CONTROL LOCATION FOR SCOREBOARDS. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO COMMENCEMENT OF WORK AND PROVIDE ALL NECESSARY RACEWAY AND CONDUITS FOR A COMPLETE AND OPERABLE SYSTEM.
EP38 DEDICATED CIRCUIT FOR WHEELCHAIR LIFT. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO COMMENCEMENT OF WORK FOR A COMPLETE AND OPERABLE SYSTEM.
EP39 FLOORBOX. PROVIDE A 3/4" CONDUIT BETWEEN EACH DEVICE AND FOR HOMERUN. REFER TO SHEET SERIES "T" FOR FLOORBOX DETAILS AND ADDITIONAL INFORMATION. CIRCUIT INDICATED WILL SERVE ALL DEVICES IN FLOORBOX. CONTRACTOR TO COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
EP41 PROVIDE PENDANT MOUNTED KEY SWITCH FOR CONTROL OF MOTORIZED BLEACHERS. COORDINATE REQUIREMENTS WITH VENDOR.
EP43 PROVIDE JUNCTION BOX WITH POWER FOR TECHNOLOGIES SUCH AS ADA ACCESS, CARD ACCESS AND ANY OTHER SUCH SYSTEMS FOR DOORS INDICATED BY ARCHITECTS DOOR SCHEDULE. COORDINATE ALL TERMINATIONS WITH TECHNOLOGY AND HARDWARE PROVIDER OR INSTALLER PRIOR TO ROUGH-IN FOR COMPLETE INSTALLATION REQUIREMENTS.
EP44 POWER FOR FIRE SMOKE DAMPERS AND SMOKE DAMPERS. REFER TO SHEET SERIES "FA" FOR FIRE ALARM CONNECTION INFORMATION. COORDINATE POWER LOCATION AND REQUIREMENTS WITH SHEET SERIES "M" PRIOR TO COMMENCEMENT OF ANY WORK.
EP45 PROVIDE RECEPTACLE FOR TECHNOLOGY CONTRACTOR. COORDINATE LOCATION WITH SHEET SERIES "T" PRIOR TO COMMENCEMENT OF ANY WORK.
EP46 DEVICE FOR PRINTER. MOUNT DEVICE 6" ABOVE COUNTER TOP. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
EP48 PROVIDE 120V TO 50V TRANSFORM FOR CONTROL OF ZONE DAMPER. SIZE AS RECOMMENDED BY MECHANICAL EQUIPMENT MANUFACTURER. REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS.FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP49 RECEPTACLES FOR FUTURE CONCESSIONS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

POWER FLOOR PLAN A

EP-101A

Dzilth-Na-O-Dith-Hle - New School
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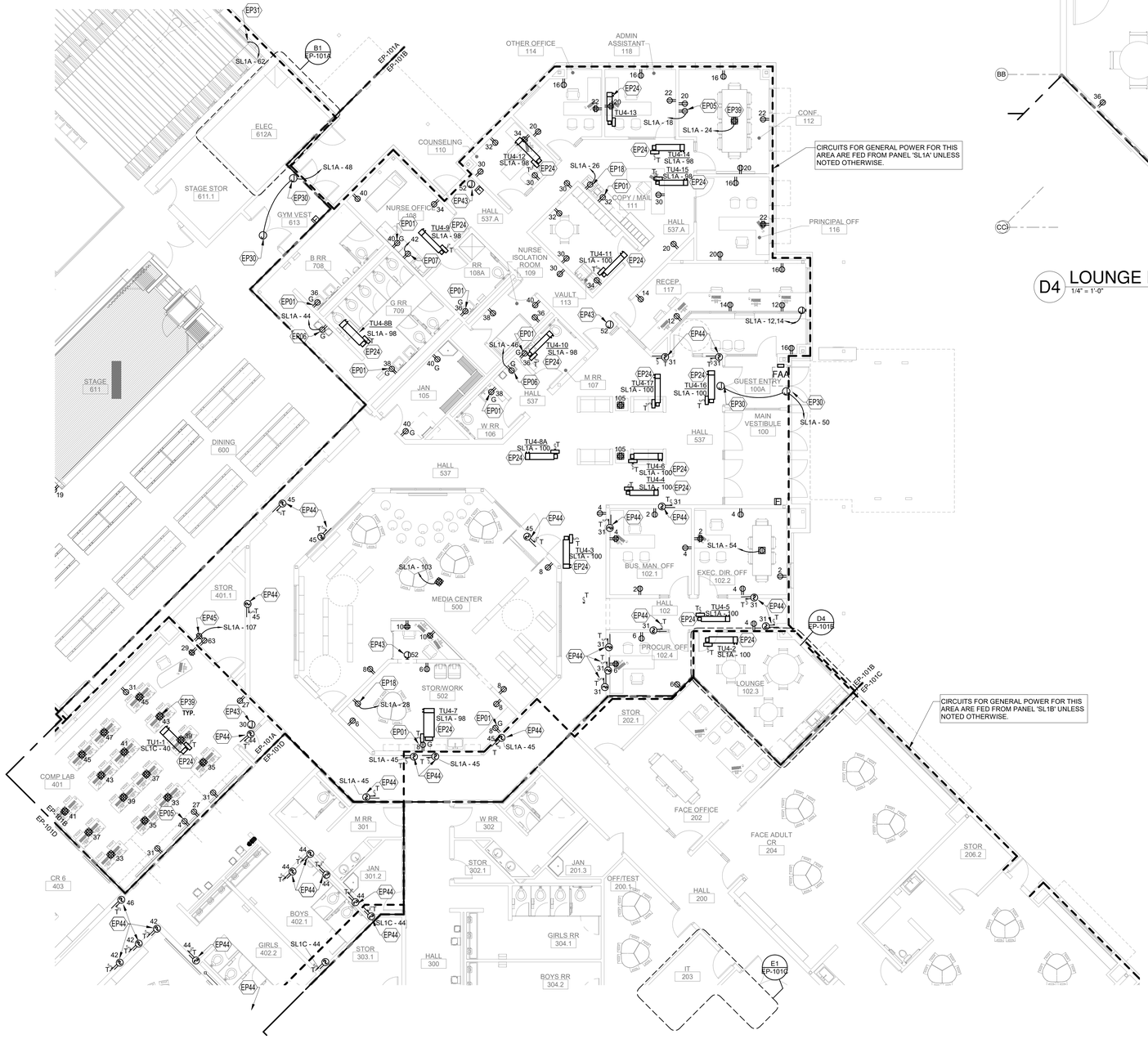
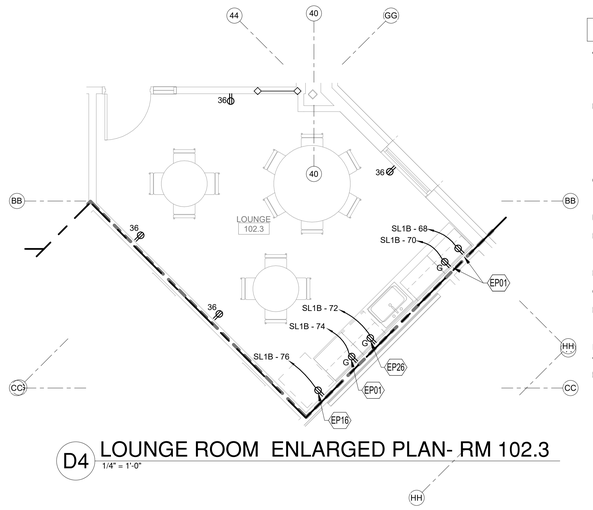
Bridgers & Paxton Project No: 8226
School Information



A1 POWER FLOOR PLAN B

1/8" = 1'-0"

0' 4' 8' 16'



D4 LOUNGE ROOM ENLARGED PLAN- RM 102.3

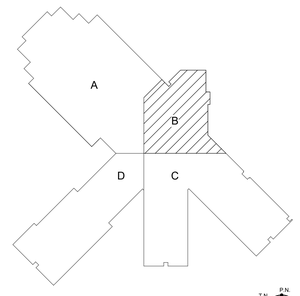
1/4" = 1'-0"

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED IN 'M' SHEET SERIES. RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY 'M' SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
C. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
F. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.
G. ALL CIRCUITS FOR GENERAL POWER WITH-IN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
H. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
I. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
J. ALL DEVICES DESIGNATED TO BE CONNECTED TO STAND-BY POWER WILL BE GREY IN COLOR, BOTH DEVICE AND COVER PLATE.
K. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

EP01 MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
EP05 RECEPTACLE FOR WALL MOUNTED DISPLAY. MOUNT ADJACENT TO DATA/AV OUTLETS. COORDINATE WITH SHEET SERIES "T" FOR ADDITIONAL INFORMATION.
EP06 PROVIDE DEVICE FOR ELECTRIC WATER COOLER/BOTTLE FILLER. PROVIDE GFCI CIRCUIT BREAKER IN PANEL, NOT AT RECEPTACLE. MOUNT DEVICE SO IT IS CONCEALED BEHIND UNIT ALONG WITH CORD. COORDINATE WITH MANUFACTURER'S FOR ALL REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY WORK.
EP07 UNDER COUNTER REFRIGERATOR. INSTALL OUTLET WITHIN BASE CABINETRY AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.
EP16 MOUNT DEVICE 42" AFF BEHIND REFRIGERATOR. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
EP18 DEVICE IS FOR COPIER. PROVIDE DEDICATED CIRCUIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
EP24 FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP26 DISHWASHER. INSTALL OUTLET WITHIN BASE CABINETRY AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.
EP30 PROVIDE POWER FOR CONNECTION TO DOOR HARDWARE. 3/4" CONDUIT BETWEEN EACH JUNCTION BOX AND PERMANENT CONDUCTORS PER DOOR HARDWARE INSTALLER'S INSTRUCTIONS.
EP31 POWER FOR SHADES. EXTEND A 1" CONDUIT TO JUNCTION BOX LOCATION IN PE 606. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO COMMENCEMENT OF ANY WORK.
EP39 FLOORBOX. PROVIDE A 3/4" CONDUIT BETWEEN EACH DEVICE AND FOR HOMERUN. REFER TO SHEET SERIES "T" FOR FLOORBOX DETAILS AND ADDITIONAL INFORMATION. CIRCUIT INDICATED WILL SERVE ALL DEVICES IN FLOORBOX. CONTRACTOR TO COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
EP43 PROVIDE JUNCTION BOX WITH POWER FOR TECHNOLOGIES SUCH AS ADA ACCESS, CARD ACCESS AND ANY OTHER SUCH SYSTEMS FOR DOORS INDICATED BY ARCHITECTS DOOR SCHEDULE. COORDINATE ALL TERMINATIONS WITH TECHNOLOGY AND HARDWARE PROVIDER OR INSTALLER PRIOR TO ROUGH-IN FOR COMPLETE INSTALLATION REQUIREMENTS.
EP44 POWER FOR FIRE SMOKE DAMPERS AND SMOKE DAMPERS. REFER TO SHEET SERIES "FA" FOR FIRE ALARM CONNECTION INFORMATION. COORDINATE POWER LOCATION AND REQUIREMENTS WITH SHEET SERIES "M" PRIOR TO COMMENCEMENT OF ANY WORK.
EP45 PROVIDE RECEPTACLE FOR TECHNOLOGY CONTRACTOR. COORDINATE LOCATION WITH SHEET SERIES "T" PRIOR TO COMMENCEMENT OF ANY WORK.



KEY PLAN N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

POWER FLOOR PLAN B

EP-101B

School Information

Dzilth-Na-O-Dith-Hle - New School
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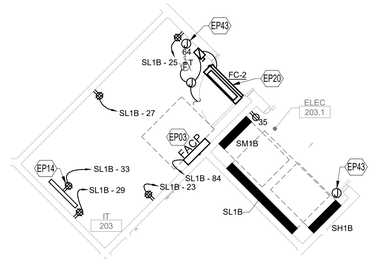
Bridgers & Paxton Project No: 8226

CIRCUITS FOR GENERAL POWER FOR THIS AREA ARE FED FROM PANEL 'SL1A' UNLESS NOTED OTHERWISE.

CIRCUITS FOR GENERAL POWER FOR THIS AREA ARE FED FROM PANEL 'SL1B' UNLESS NOTED OTHERWISE.

CIRCUITS FOR GENERAL POWER FOR THIS AREA ARE FED FROM PANEL 'SL1C' UNLESS NOTED OTHERWISE.

CIRCUITS FOR GENERAL POWER FOR THIS AREA ARE FED FROM PANEL 'SL1B' UNLESS NOTED OTHERWISE.



E1 ENLARGED ELEC & IT ROOMS
1/4" = 1'-0"

GENERAL NOTES

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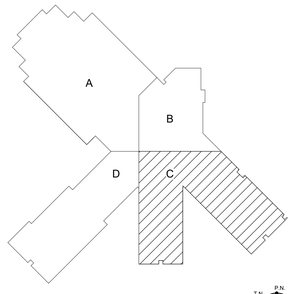
C. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
F. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.
G. ALL CIRCUITS FOR GENERAL POWER WITH-IN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
H. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
I. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
J. ALL DEVICES DESIGNATED TO BE CONNECTED TO STAND-BY POWER WILL BE GREY IN COLOR, BOTH DEVICE AND COVER PLATE.
K. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

EP01	MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
EP03	FIRE ALARM CONTROL PANEL (FACP) OR FIRE ALARM TERMINAL CABINET (FATC). REFER TO SHEET E-603 FOR ADDITIONAL INFORMATION. PROVIDE 120V POWER.
EP04	MOUNT DEVICE 6" ABOVE MILLWORK. CONDUIT WILL STUB THROUGH WALL OR FLOOR AND INTO DEVICE.
EP05	RECEPTACLE FOR WALL MOUNTED DISPLAY. MOUNT ADJACENT TO DATA/AV OUTLETS. COORDINATE WITH SHEET SERIES "T" FOR ADDITIONAL INFORMATION.
EP06	PROVIDE DEVICE FOR ELECTRIC WATER COOLER/BOTTLE FILLER. PROVIDE GFCI CIRCUIT BREAKER IN PANEL, NOT AT RECEPTACLE. MOUNT DEVICE SO IT IS CONCEALED BEHIND UNIT ALONG WITH CORD. COORDINATE WITH MANUFACTURERS FOR ALL REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY WORK.
EP14	DEVICES IN IT ROOM WILL BE SURGE-PROTECTED RECEPTACLES. ONE (1) 20A (120V) DUPLEX WILL BE MOUNTED TO TOP OF RACK MOUNTED TO CABLE TRAY AT EACH RACK LOCATION UTILIZING UNISTRUT. VERIFY CONNECTOR TYPE AND LOCATION WITH SHEET SERIES "T".
EP16	MOUNT DEVICE 42" AFF BEHIND REFRIGERATOR. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
EP19	EXTEND POWER TO ROOM LUMINAIRE CIRCUIT. REFER TO SHEET SERIES "EL" FOR CIRCUIT INFORMATION. EXHAUST FAN TO BE CONTROLLED BY ROOM WALL MOUNTED OCCUPANCY SENSOR.
EP20	SPLIT SYSTEM INDOOR UNIT. PROVIDE A KNIFE BLADE DISCONNECT SWITCH ADJACENT TO UNIT. RACEWAY AND CONDUCTORS WILL BE EXTENDED TO ASSOCIATED ROOF UNIT FOR THIS SPLIT SYSTEM. UNIT WILL BE PACKAGED WITH CONTROLS. PROVIDE JUNCTION BOX FOR SEPARATION OF POWER TO CONDENSATE PUMP AND FC UNIT. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP24	FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP39	FLOORBOX. PROVIDE A 3/4" CONDUIT BETWEEN EACH DEVICE AND FOR HOMERUN. REFER TO SHEET SERIES "T" FOR FLOORBOX DETAILS AND ADDITIONAL INFORMATION. CIRCUIT INDICATED WILL SERVE ALL DEVICES IN FLOORBOX. CONTRACTOR TO COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
EP43	PROVIDE JUNCTION BOX WITH POWER FOR TECHNOLOGIES SUCH AS ADA ACCESS, CARD ACCESS AND ANY OTHER SUCH SYSTEMS FOR DOORS INDICATED BY ARCHTECTS DOOR SCHEDULE. COORDINATE ALL TERMINATIONS WITH TECHNOLOGY AND HARDWARE PROVIDER OR INSTALLER PRIOR TO ROUGH-IN FOR COMPLETE INSTALLATION REQUIREMENTS.
EP44	POWER FOR FIRE SMOKE DAMPERS AND SMOKE DAMPERS. REFER TO SHEET SERIES "FA" FOR FIRE ALARM CONNECTION INFORMATION. COORDINATE POWER LOCATION AND REQUIREMENTS WITH SHEET SERIES "M" PRIOR TO COMMENCEMENT OF ANY WORK.
EP45	PROVIDE RECEPTACLE FOR TECHNOLOGY CONTRACTOR. COORDINATE LOCATION WITH SHEET SERIES "T" PRIOR TO COMMENCEMENT OF ANY WORK.
EP46	DEVICE FOR PRINTER. MOUNT DEVICE 6" ABOVE COUNTER TOP. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
EP47	ELECTRIC HAND DRYER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.

A1 POWER FLOOR PLAN C
1/8" = 1'-0"

0' 4' 8' 16'



KEY PLAN

N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

POWER FLOOR PLAN C

EP-101C

Bridgers & Paxton Project No: 8226 10/1/2020 3:54:47 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AAHerreraSSZMC.rvt

School Information

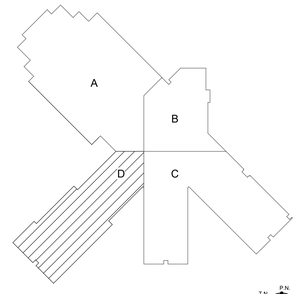
C1 POWER - L1 (Anno) - HOME EC RM 409

1/4" = 1'-0"

A1 POWER FLOOR PLAN D

1/8" = 1'-0"

0' 4' 8' 16'



KEY PLAN

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I. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
J. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

EP01 MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH. TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
EP04 MOUNT DEVICE 6" ABOVE MILLWORK. CONDUIT WILL STUB THROUGH WALL OR FLOOR AND INTO DEVICE.
EP05 RECEPTACLE FOR WALL MOUNTED DISPLAY. MOUNT ADJACENT TO DATA/AV OUTLETS. COORDINATE WITH SHEET SERIES "T" FOR ADDITIONAL INFORMATION.
EP06 PROVIDE DEVICE FOR ELECTRIC WATER COOLER/BOTTLE FILLER. PROVIDE GFCI CIRCUIT BREAKER IN PANEL, NOT AT RECEPTACLE. MOUNT DEVICE SO IT IS CONCEALED BEHIND UNIT ALONG WITH CORD. COORDINATE WITH MANUFACTURER'S FOR ALL REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY WORK.
EP16 MOUNT DEVICE 42" AFF BEHIND REFRIGERATOR. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
EP24 FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP25 RESIDENTIAL-TYPE SINK DISPOSAL UNIT. OUTLET TO BE SWITCHED BY TOGGLE SWITCH ABOVE COUNTER. COORDINATE WITH SHEET SERIES "A" FOR EXACT LOCATION.
EP26 DISHWASHER. INSTALL OUTLET WITHIN BASE CABINETRY AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.
EP27 ELECTRIC RANGE/STOVE. MOUNT DEVICE BEHIND UNIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
EP28 DEVICE TO SERVE RESIDENTIAL-TYPE EXHAUST HOOD (ABOVE COOKING RANGE). COORDINATE ROUGH-IN LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER AND CASEWORK INSTALLER.
EP39 FLOORBOX. PROVIDE A 3/4" CONDUIT BETWEEN EACH DEVICE AND FOR HOMERUN REFER TO SHEET SERIES "T" FOR FLOORBOX DETAILS AND ADDITIONAL INFORMATION. CIRCUIT INDICATED WILL SERVE ALL DEVICES IN FLOORBOX. CONTRACTOR TO COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
EP40 DEVICE FOR WASHER/DRYER. PROVIDE DEDICATED CIRCUIT. MOUNT DEVICE AT 42" AFF.
EP43 PROVIDE JUNCTION BOX WITH POWER FOR TECHNOLOGIES SUCH AS ADA ACCESS, CARD ACCESS AND ANY OTHER SUCH SYSTEMS FOR DOORS INDICATED BY ARCHITECTS DOOR SCHEDULE. COORDINATE ALL TERMINATIONS WITH TECHNOLOGY AND HARDWARE PROVIDER OR INSTALLER PRIOR TO ROUGH-IN FOR COMPLETE INSTALLATION REQUIREMENTS.
EP44 POWER FOR FIRE SMOKE DAMPERS AND SMOKE DAMPERS. REFER TO SHEET SERIES "FA" FOR FIRE ALARM CONNECTION INFORMATION. COORDINATE POWER LOCATION AND REQUIREMENTS WITH SHEET SERIES "M" PRIOR TO COMMENCEMENT OF ANY WORK.
EP46 DEVICE FOR PRINTER. MOUNT DEVICE 6" ABOVE COUNTER TOP. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
EP47 ELECTRIC HAND DRYER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.

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POWER FLOOR PLAN D

EP-101D

School Information

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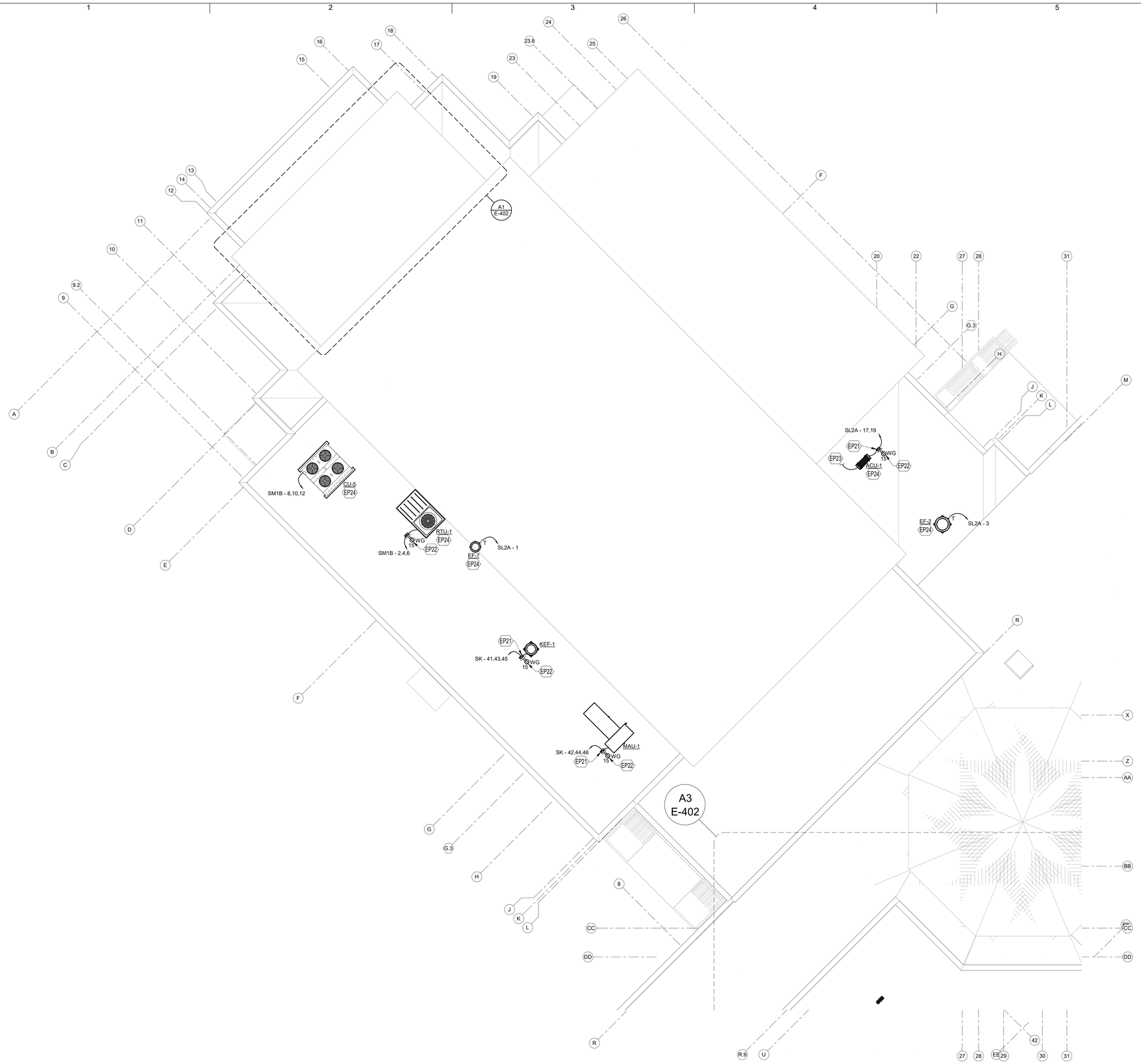


GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED IN 'M' SHEET SERIES. RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY 'M' SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
C. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
F. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
G. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
H. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

EP21 PROVIDE DISCONNECT ON UNISTRUT NEAR MECHANICAL UNIT. REFER TO DETAIL A4 ON SHEET E-501 FOR ADDITIONAL INFORMATION.

EP22 ROOF MOUNTED RECEPTACLE. PROVIDE 2#10 & 1#10 GROUND IN 3/4" CONDUIT. REFER TO DETAIL A2 ON SHEET E-501 FOR ADDITIONAL INFORMATION.

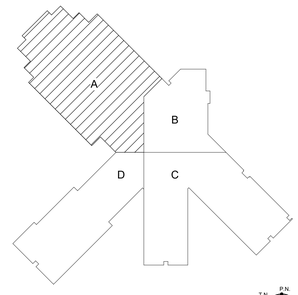
EP23 EXTEND RACEWAY AND CONDUCTORS TO INDOOR UNIT THAT IS ASSOCIATED WITH THIS UNIT.

EP24 FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.

A1 ELECTRICAL ROOF PLAN A
1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN



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ELECTRICAL ROOF PLAN A

EP-141A

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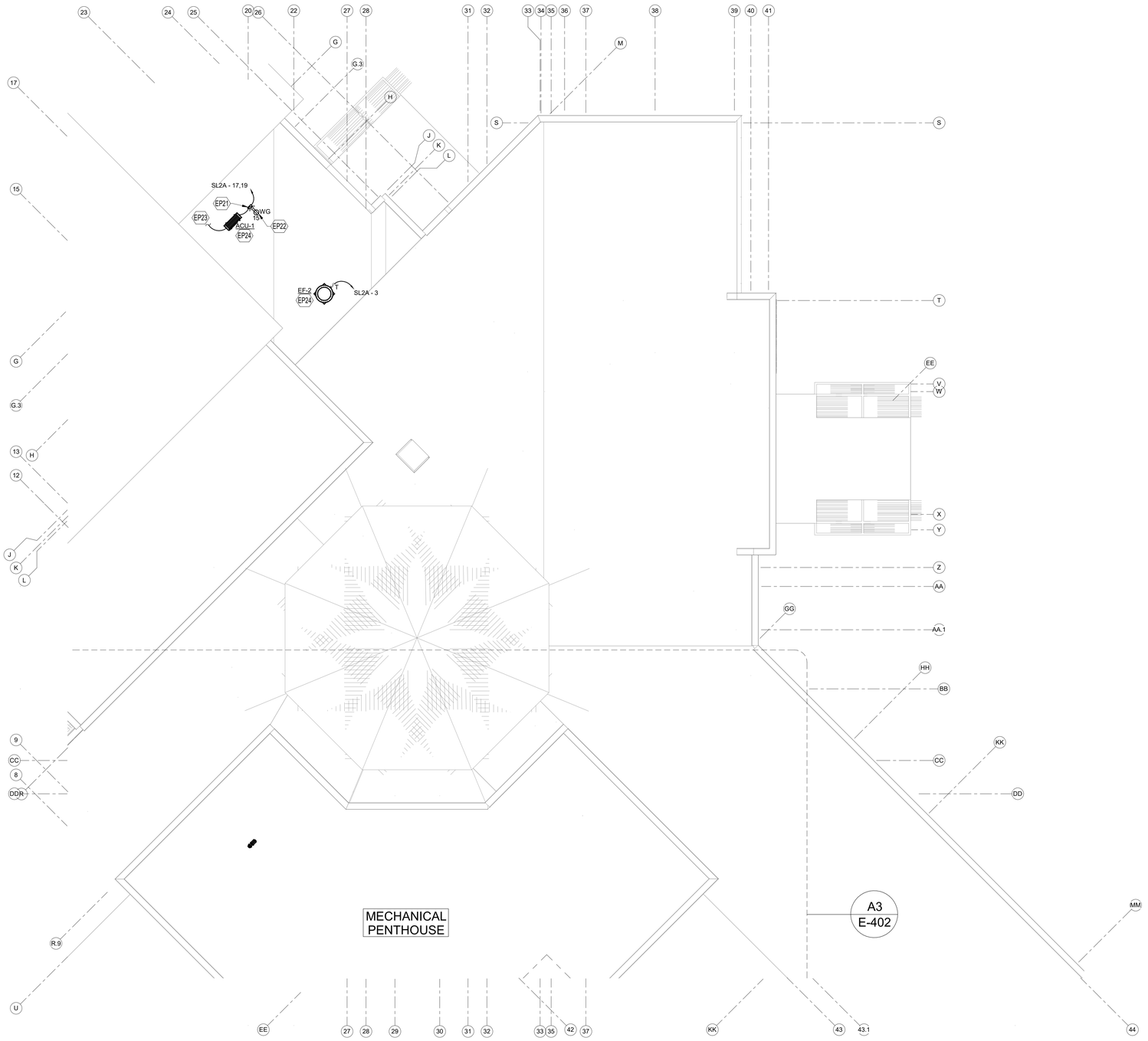


A1 ELECTRICAL ROOF PLAN B

1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED IN 'M' SHEET SERIES. RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY 'M' SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
C. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
F. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
G. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
H. COMPLY WITH NFPA 70, 2004 ED.

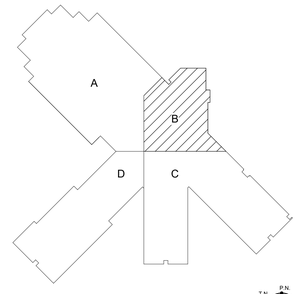
KEYNOTES

EP21 PROVIDE DISCONNECT ON UNISTRUT NEAR MECHANICAL UNIT. REFER TO DETAIL A4 ON SHEET E-501 FOR ADDITIONAL INFORMATION.

EP22 ROOF MOUNTED RECEPTACLE. PROVIDE 2#10 & 1#10 GROUND IN 3/4" CONDUIT. REFER TO DETAIL A2 ON SHEET E-501 FOR ADDITIONAL INFORMATION.

EP23 EXTEND RACEWAY AND CONDUCTORS TO INDOOR UNIT THAT IS ASSOCIATED WITH THIS UNIT.

EP24 FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.



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ELECTRICAL ROOF PLAN B

EP-141B

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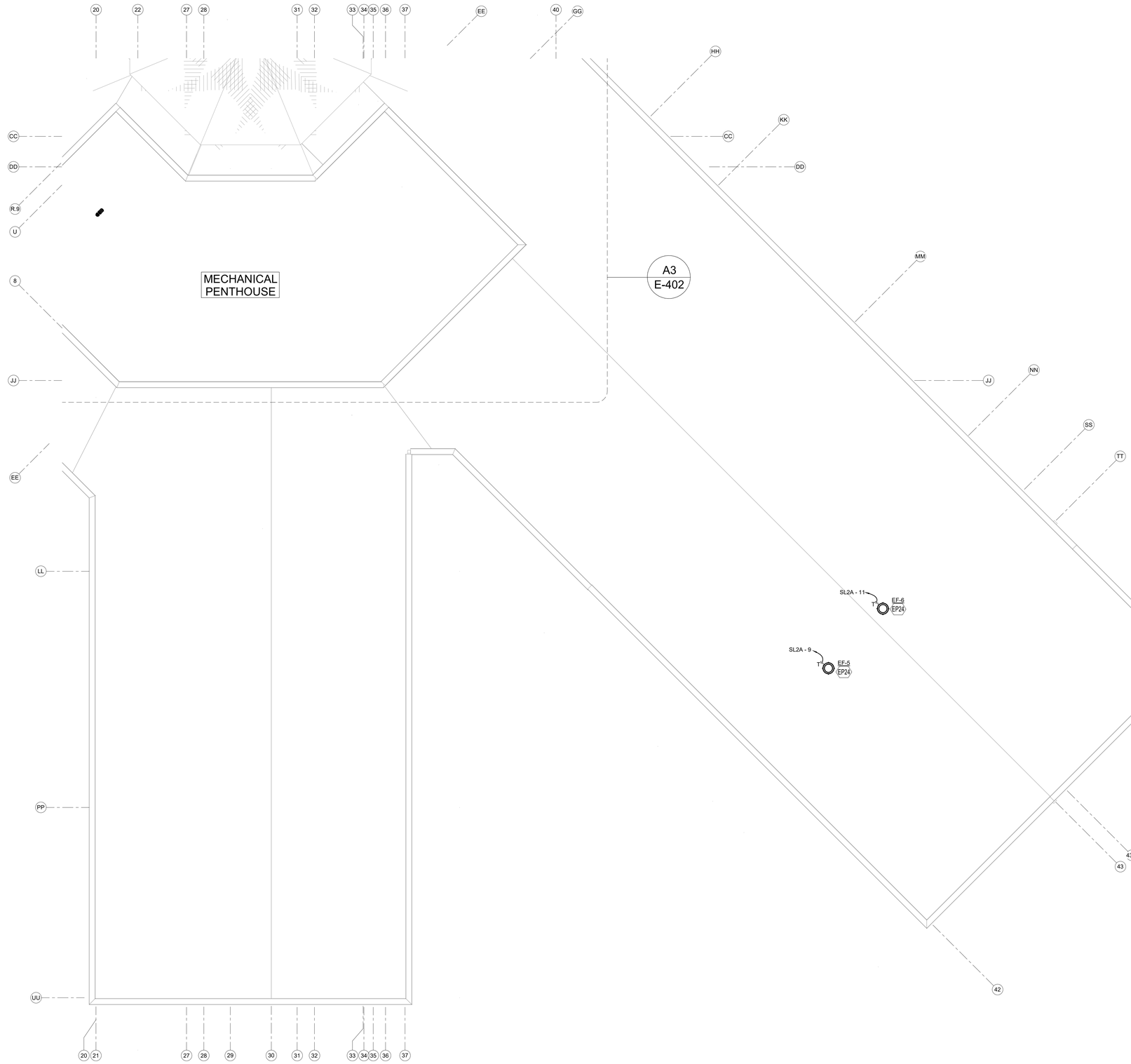

A1 ELECTRICAL ROOF PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
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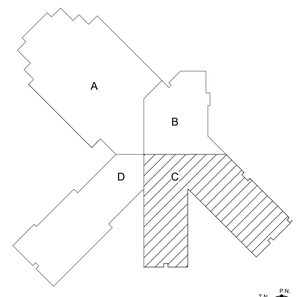
F. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
G. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
H. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

1. XXXX.



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ELECTRICAL ROOF PLAN C

EP-141C

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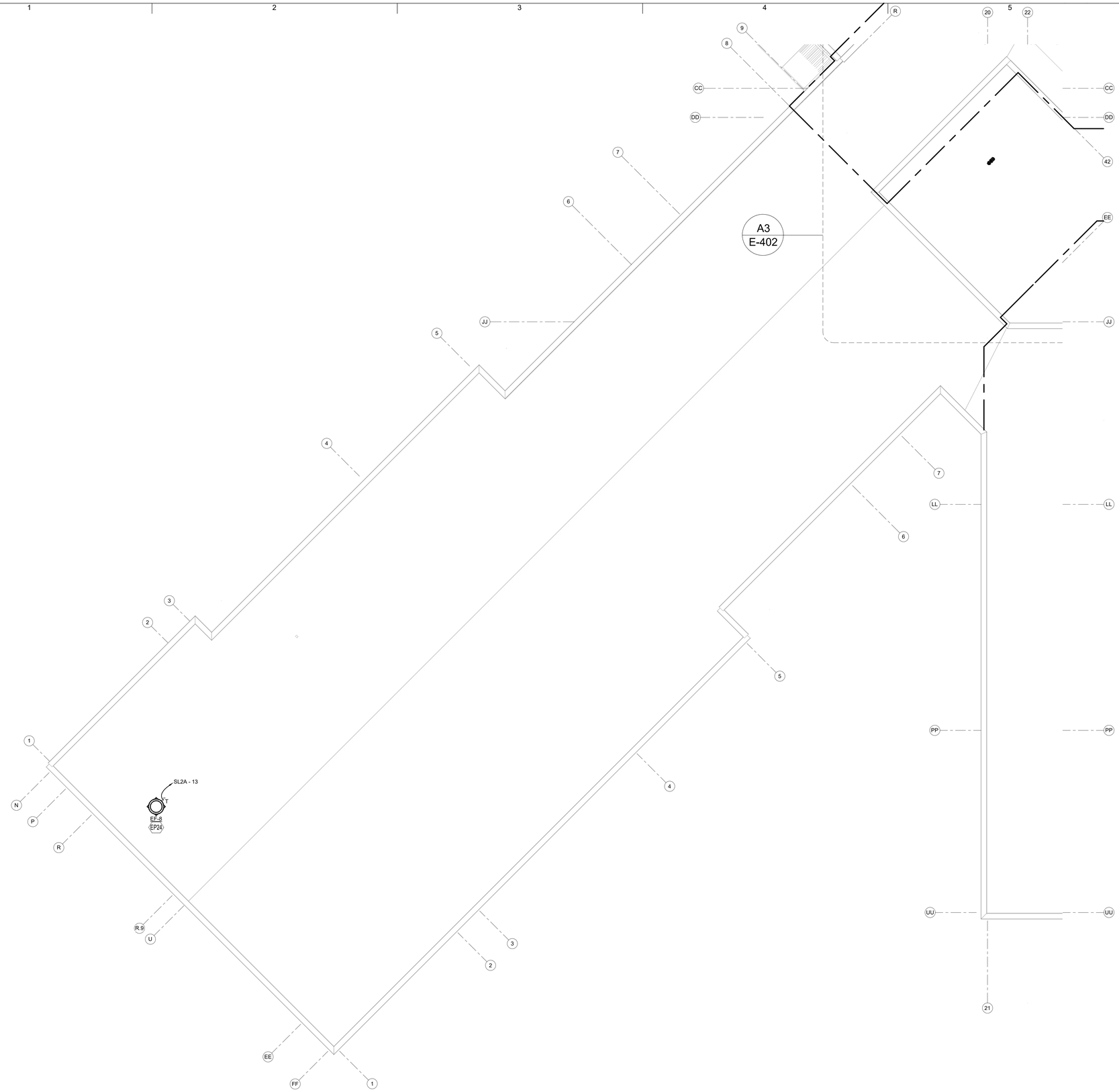

A1 ELECTRICAL ROOF PLAN D
1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
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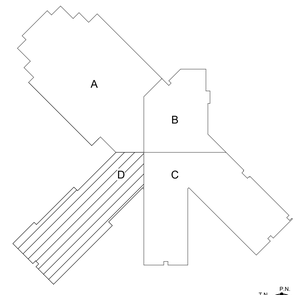
G. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
H. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

1. XXXX.



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ELECTRICAL ROOF PLAN D

EP-141D

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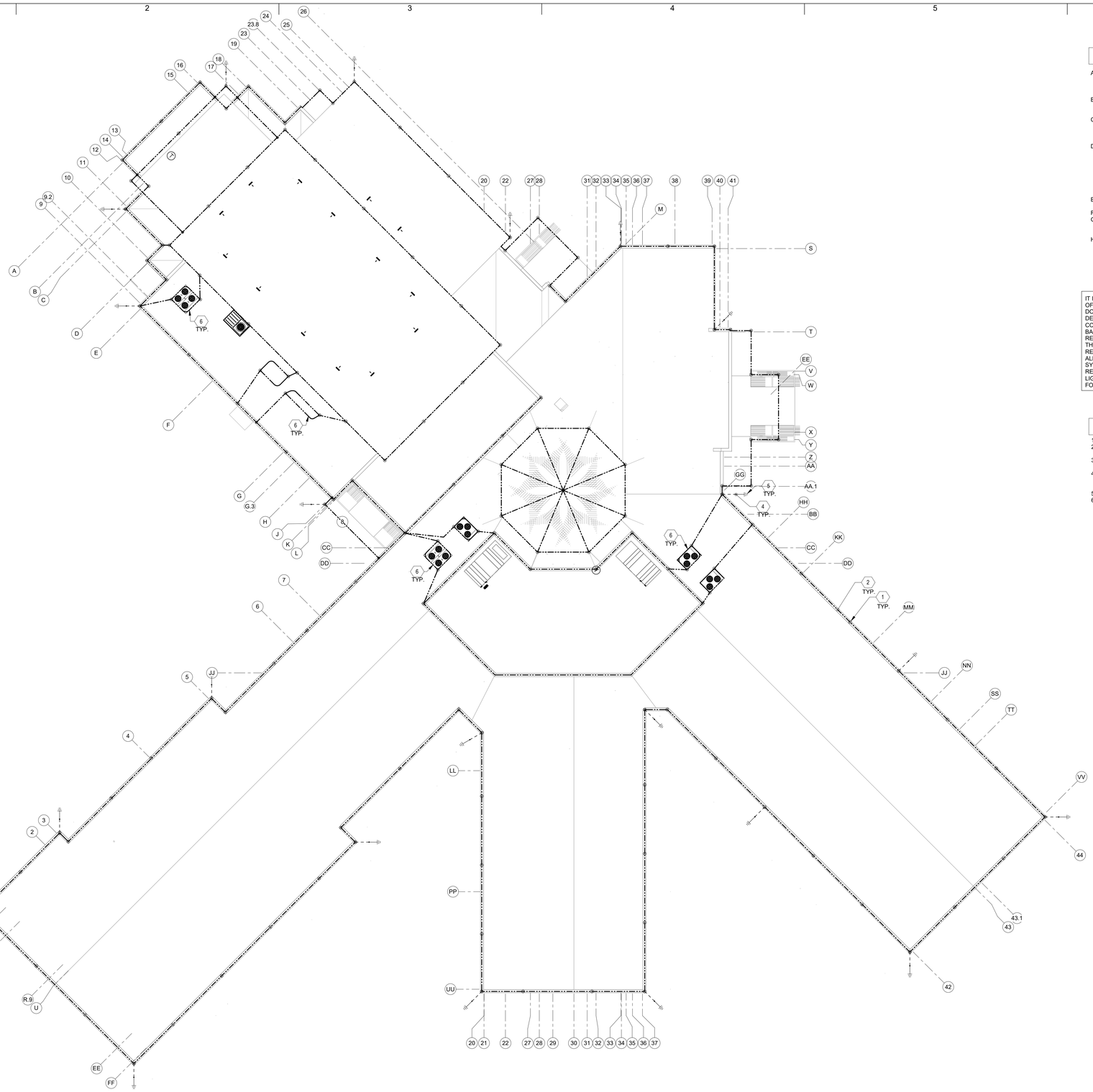
School Information



A1 LIGHTNING PROTECTION ROOF PLAN - OVERALL
1/16" = 1'-0"

0' 8' 16' 32'

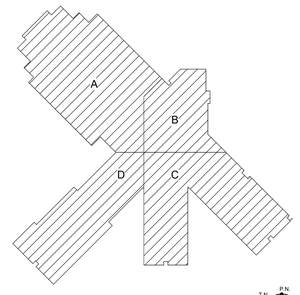
GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
B. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD.
C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON 'M' SHEET SERIES. RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT MINIMUM FOR CONTROL WIRING AS REQUIRED BY 'M' SHEET SERIES. CONTROL WILL BE BY EITHER A FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCH WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.E-701
E. REFER TO MECHANICAL EQUIPMENT SCHEDULE IN 'M' SHEET SERIES FOR ADDITIONAL INFORMATION.
F. REFER TO DETAIL XX ON SHEET E-501 FOR EQUIPMENT MOUNTING.
G. LIGHTNING PROTECTION SYSTEM IS DIAGRAMATICAL. CONTRACTOR SHALL INSTALL PER NFPA 780 AND SPECIFICATION 26 4113 TO ACHIEVE A MASTER LABEL.
H. REFER TO SHEET E-502 FOR LIGHTNING PROTECTION SYSTEM AND ADDITIONAL INFORMATION.

IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE LIGHTNING PROTECTION SYSTEM. DEVICES INDICATED ON THESES DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR TO PROVIDE A DESIGN/BUILD LIGHTNING PROTECTION SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR TO ENSURE THAT THE LIGHTNING PROTECTION SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE LIGHTNING PROTECTION SYSTEM. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACHIEVE A MASTER LABEL FOR THE LIGHTNING PROTECTION SYSTEM. NO CHANGE ORDERS WILL BE APPROVED FOR THE BASE SCOPE OF WORK.

KEYNOTES

1. 24" TALL LIGHTNING ARRESTORS.
2. LIGHTNING CONDUCTOR EXPOSED AND MOUNTED TO TOP OR SIDE OF PARAPET.
3. LIGHTNING COUNTERPOISE UNDERGROUND NO MORE THAN 5'-0" FROM BUILDING AND 36" BELOW GRADE.
4. DOWN CONDUCTOR FROM ROOF TOP LIGHTNING ARRESTORS TO COUNTERPOISE AND GROUND RODS. ROUTING OF DOWN CONDUCTOR TO COUNTERPOISE WILL BE INTERIOR TO WALL STRUCTURE.
5. GROUND RODS.
6. ATTACH LIGHTNING PROTECTION TO MECHANICAL EQUIPMENT.



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LIGHTNING PROTECTION ROOF PLAN - OVERALL

LP-141

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School Information

IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE FIRE ALARM SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A DESIGN/BUILD FIRE ALARM SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO ENSURE THAT THE FIRE ALARM SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE FIRE ALARM SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

ENTIRE FIRE ALARM SYSTEM WILL BE IN RACEWAYS; NO EXCEPTIONS!

GENERAL NOTES

N. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS. PROVIDE SURGE PROTECTOR AT EACH FIRE ALARM PANEL OR POWER SUPPLY.

O. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE 10.18.2.1.1. 22) CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".

P. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

Q. ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND / OR TESTING.

R. UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN ACCORDANCE WITH THE SPECIFICATIONS.

S. COORDINATE WITH OWNER FOR NEW FIBER OPTIC STRANDS NEEDED FOR CONNECTIONS TO NEW FIRE ALARM PANEL.

T. REFER TO SHEET E-603 FOR FIRE ALARM RISER DIAGRAM.

U. ALL STROBES IN CORRIDORS AND COMMON AREAS WILL FLASH AT THE SAME TIME.

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M. FIRE ALARM PANEL, REMOTE ANNUNCIATOR, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURER'S SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS WITHOUT SPECIAL MOUNTING DETAILS.

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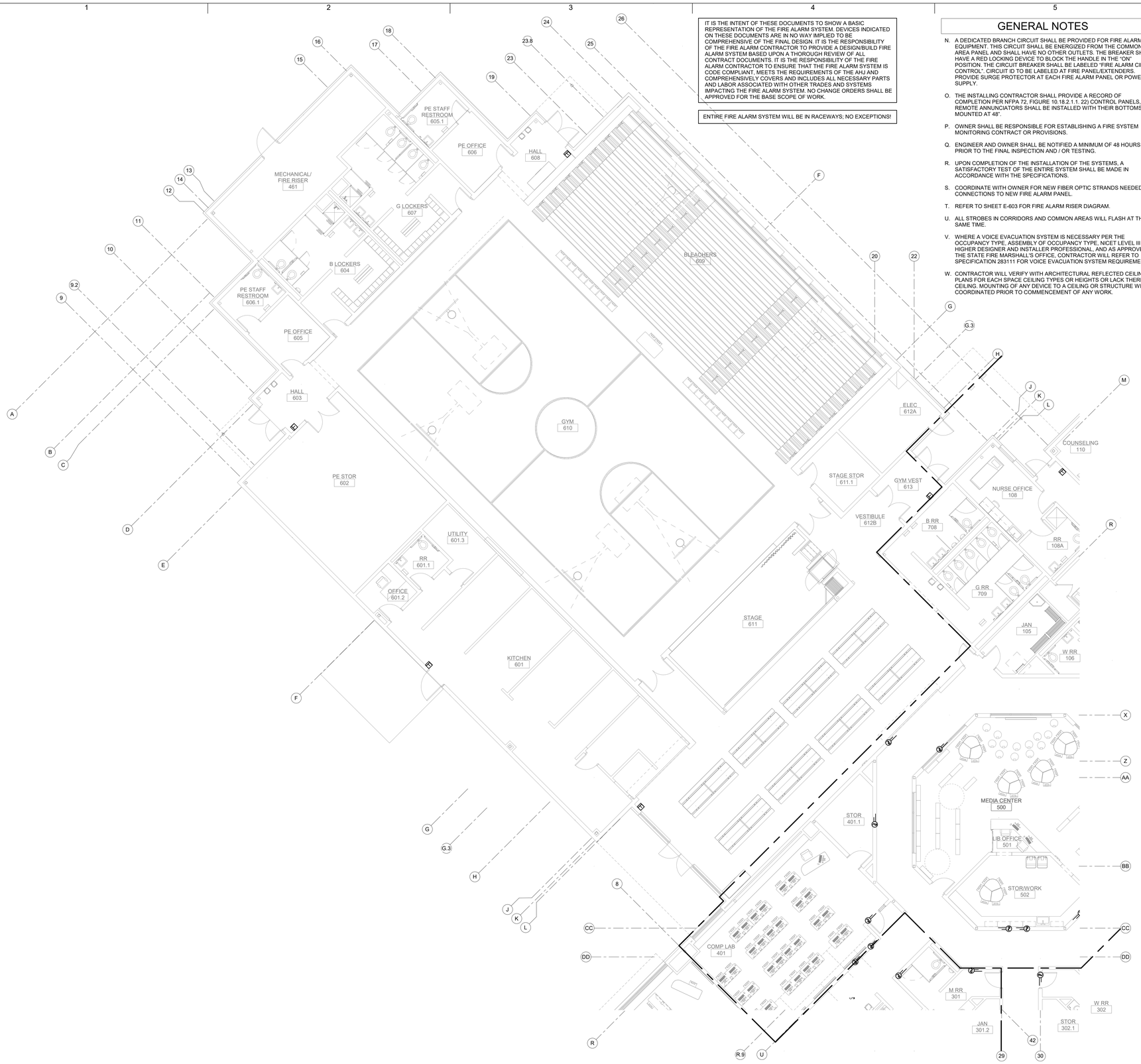
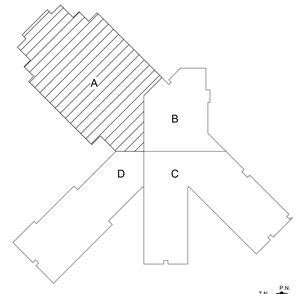
1. XXXX.



A1 FIRE ALARM FLOOR PLAN A
1/8" = 1'-0"

0' 4' 8' 16'



KEY PLAN N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

FIRE ALARM FLOOR PLAN A

FA-101A

Bridgers & Paxton Project No: 8226
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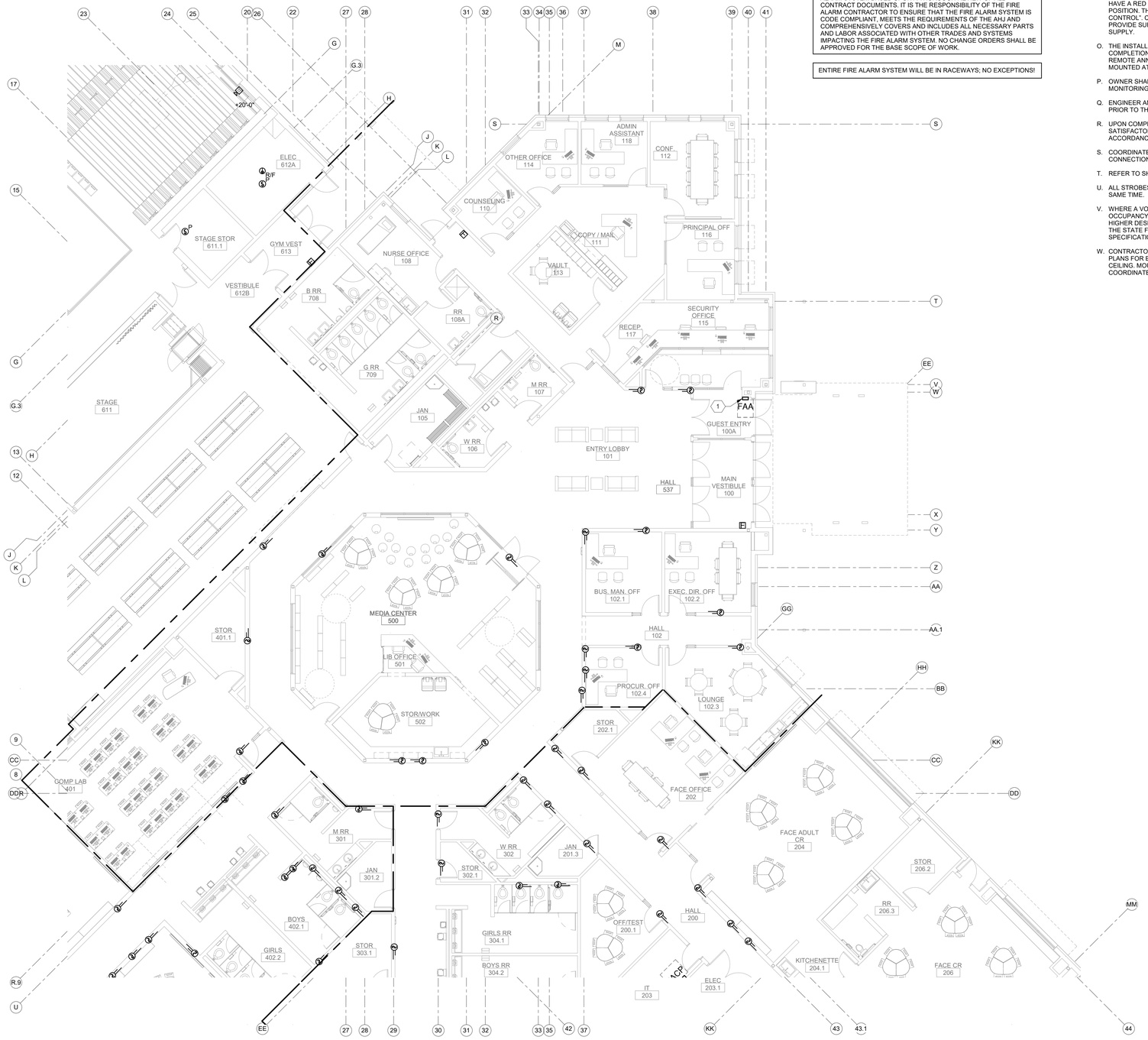
School Information



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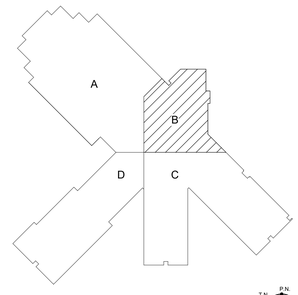

KEY PLAN N.T.S.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

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OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

FIRE ALARM FLOOR PLAN B

FA-101B

Bridges & Paxton Project No: 8226
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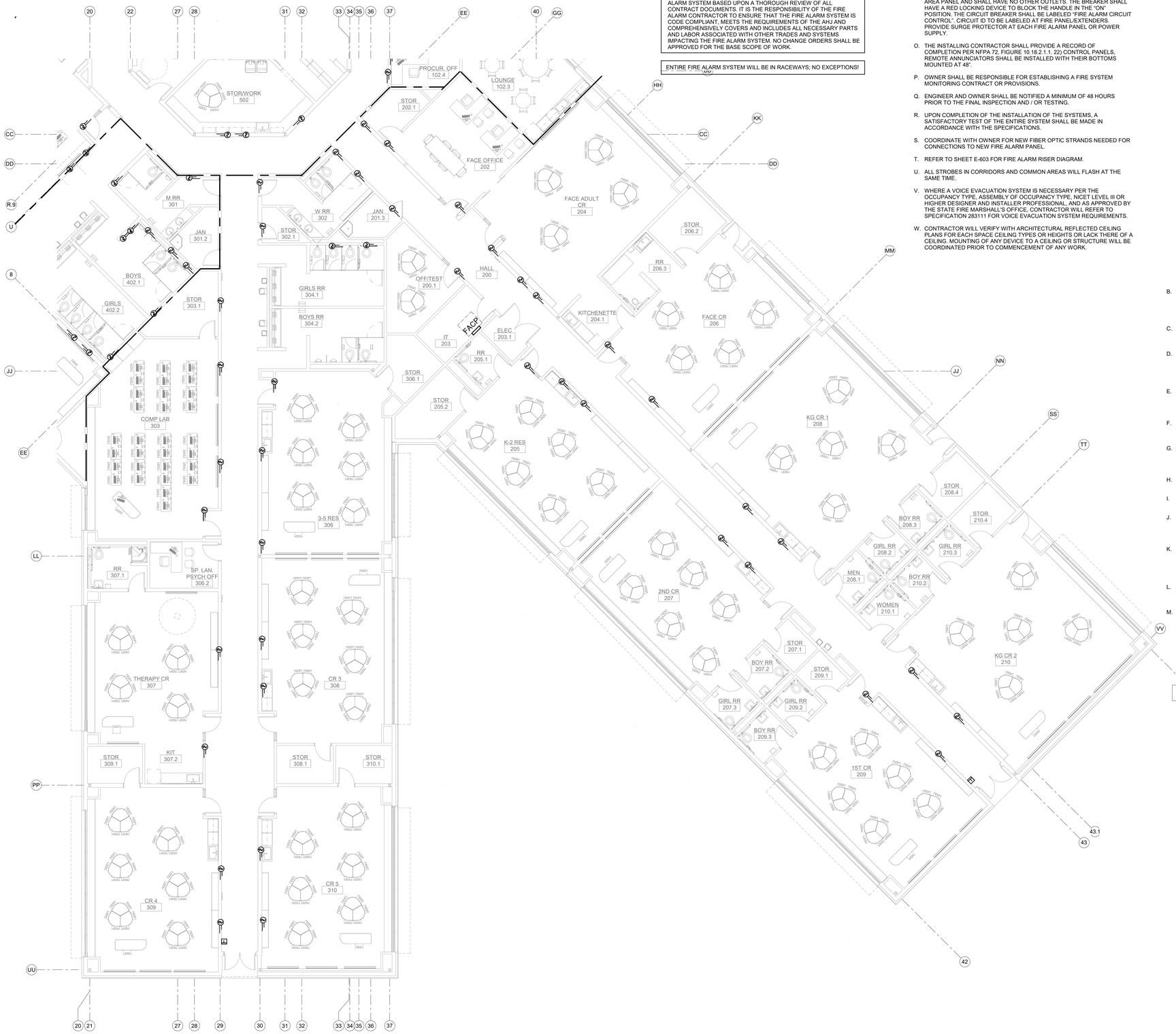
School Information



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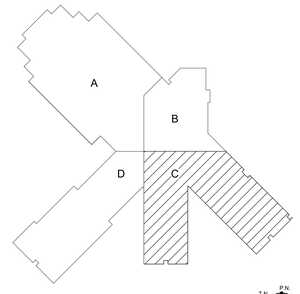
K. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER, IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.

L. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS.

M. FIRE ALARM PANEL, REMOTE ANNUNCIATOR, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURER'S SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS WITHOUT SPECIAL MOUNTING DETAILS.

KEYNOTES

1. FIRE ALARM CONTROL PANEL (FACP). REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-603 FOR ADDITIONAL INFORMATION.



KEY PLAN N.T.S.

A1 FIRE ALARM FLOOR PLAN C
1/8" = 1'-0"

0' 4' 8' 16'

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

FIRE ALARM FLOOR PLAN C

FA-101C

Bridgers & Paxton Project No: 8226
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School Information

GENERAL NOTES

N. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS. PROVIDE SURGE PROTECTOR AT EACH FIRE ALARM PANEL OR POWER SUPPLY.

O. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE 10.18.2.1.1. 22) CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".

P. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

Q. ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND / OR TESTING.

R. UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN ACCORDANCE WITH THE SPECIFICATIONS.

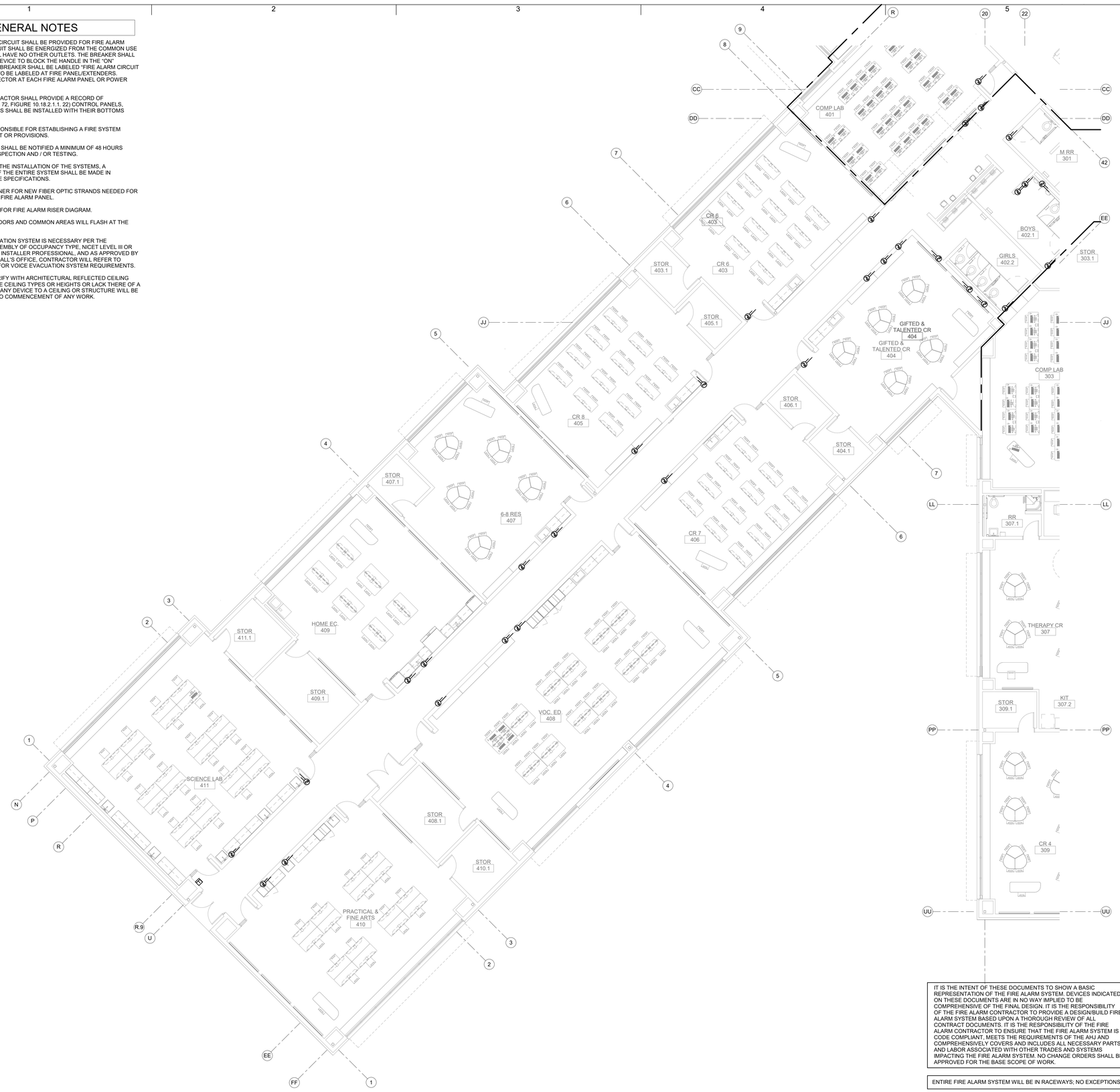
S. COORDINATE WITH OWNER FOR NEW FIBER OPTIC STRANDS NEEDED FOR CONNECTIONS TO NEW FIRE ALARM PANEL.

T. REFER TO SHEET E-603 FOR FIRE ALARM RISER DIAGRAM.

U. ALL STROBES IN CORRIDORS AND COMMON AREAS WILL FLASH AT THE SAME TIME.

V. WHERE A VOICE EVACUATION SYSTEM IS NECESSARY PER THE OCCUPANCY TYPE, ASSEMBLY OF OCCUPANCY TYPE, NICET LEVEL III OR HIGHER DESIGNER AND INSTALLER PROFESSIONAL, AND AS APPROVED BY THE STATE FIRE MARSHALL'S OFFICE, CONTRACTOR WILL REFER TO SPECIFICATION 283111 FOR VOICE EVACUATION SYSTEM REQUIREMENTS.

W. CONTRACTOR WILL VERIFY WITH ARCHITECTURAL REFLECTED CEILING PLANS FOR EACH SPACE CEILING TYPES OR HEIGHTS OR LACK THERE OF A CEILING. MOUNTING OF ANY DEVICE TO A CEILING FOR STRUCTURE WILL BE COORDINATED PRIOR TO COMMENCEMENT OF ANY WORK.



GENERAL NOTES

A. GROUP EDUCATIONAL. REFER TO SHEET SERIES "G" FOR OCCUPANCY LOCATIONS AND ADDITIONAL INFORMATION.

1) CONTRACTOR WILL COORDINATE SIGNALING DEVICES AT EGRESS PATH OR DOORS WITH ARCHITECTURAL SHEET SERIES "G".
2) SIGNAL TYPE DETECTORS MAY BE OMITTED FROM NON-COMBUSTIBLE SPACES AND FROM CONCEALED COMBUSTIBLE SPACES PROVIDED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM.
3) PROVIDE DETECTION DEVICES IN ALL UNOCCUPIED SPACES INCLUDING ELECTRICAL ROOMS, MECHANICAL ROOMS, STORAGE ROOMS, JANITOR'S CLOSETS, ETC.
4) PROVIDE VOICE EVACUATION SPEAKER/STROBE NOTIFICATION DEVICES IN ALL OCCUPIED AREAS PER THE REQUIREMENTS OF THE NFPA, AND LOCAL CODES AND OCCUPANCY TYPE.
5) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE. CMU BLOCK WALL AND CELLS OF BLOCK WILL VARY THE DIMENSION HEIGHTS. COORDINATE PRIOR TO COMMENCEMENT OF ANY WORK.
6) PROVIDE DUCT DETECTORS IN ALL SUPPLY AND RETURN AIR DUCTS FOR HVAC UNITS 2000 CFM AND OVER AND FOR ALL MECHANICAL DUCTS, UNITS, FIRE SMOKE DAMPERS AND OTHER EQUIPMENT REQUIRING FIRE ALARM SIGNAL AND NOTIFICATION. CONTRACTOR TO FIELD VERIFY THESE UNITS IN EACH BUILDING. REFER TO SHEET SERIES "M" FOR ALL MECHANICAL REQUIREMENTS AND EQUIPMENT LOCATIONS.
7) PROVIDE ADDRESSABLE DEVICES FOR FIRE SMOKE DAMPER AND/OR SMOKE DAMPERS. QUANTITY TO BE VERIFIED BY CONTRACTOR. COORDINATE FIRE SMOKE DAMPERS AND/OR SMOKE DAMPERS LOCATIONS WITH SHEET SERIES "M" PRIOR TO ROUGH-IN. INTERCONNECT TO FACP AND POWER AS REQUIRED. PROVIDE 120V POWER AND ADDRESSABLE MODULES AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION FOR BOTH TYPES OF DAMPERS.
8) HEAT DETECTORS MAY BE USED IN LIEU OF SMOKE DETECTORS IN THE FOLLOWING AREAS:
   a) MECHANICAL, ELECTRICAL AND STORAGE ROOMS.
   b) CLOSETS AND SMALL STORAGE ROOMS (100 SQUARE FEET IN AREA OR LESS), OR OTHER SMALL UNCONDITIONED SPACES.
9) FIRE ALARM SUPERVISION IS REQUIRED FOR ALL FIRE ALARM AND FIRE SPRINKLER FLOW ALARMS AND TAMPER SWITCHES PER NFPA 72 BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH CBC CHAPTER 9.
10) WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR. CMU BLOCK WALL AND CELLS OF BLOCK WILL VARY THE DIMENSION HEIGHTS. COORDINATE PRIOR TO COMMENCEMENT OF ANY WORK.

B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A CODE COMPLIANT, NICET LEVEL III DESIGN TO BE APPROVED BY THE STATE OR BIA FIRE MARSHAL. ADD DEVICES AS REQUIRED TO MEET ALL NATIONAL AND LOCAL CODE REQUIREMENTS. COORDINATE IN FIELD ALL INSTALLATIONS.

C. INFORMATION ON CONTRACT DOCUMENTS IS FOR GENERAL INFORMATION AND BID PURPOSES ONLY. PERFORM REQUIRED CALCULATIONS AND FIELD COORDINATION AND PROVIDE ADDITIONAL DEVICES AS REQUIRED.

D. ADDITIONAL MATERIALS AND LABOR REQUIRED TO SUPPORT CHANGES REQUESTED BY THE AUTHORITY HAVING JURISDICTION SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. PROVIDE UNIT COST IN BID FOR INSTALL OF ALL SYSTEM DEVICES, WIRING, AND PLACEMENT ON WALLS AND CEILINGS.

E. ALL NEW NOTIFICATION AND SIGNALING DEVICES SHALL BE RECESSED INTO THE WALLS WHERE INDICATED TO BE REQUIRED ON PLAN OR CEILINGS. PROVIDE A RACEWAY PATH ABOVE THE ACCESSIBLE CEILING AS NECESSARY.

F. WHERE APPLICABLE DO NOT INSTALL SMOKE DETECTORS IN A DIRECT AIR FLOW OR CLOSER THAN 3 FEET FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.

G. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE OR BIA FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY THE ENGINEER

H. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.

I. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.

J. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN. ALL WIRING WILL BE IN RACEWAY PATH UNLESS INSTALL DICTATES THE NEED TO DO OTHERWISE.

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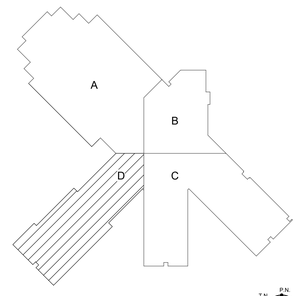
KEYNOTES

1. XXXX.

IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE FIRE ALARM SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A DESIGN/BUILD FIRE ALARM SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO ENSURE THAT THE FIRE ALARM SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE FIRE ALARM SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

ENTIRE FIRE ALARM SYSTEM WILL BE IN RACEWAYS; NO EXCEPTIONS!



KEY PLAN

N.T.S.

A1 FIRE ALARM FLOOR PLAN D
1/8" = 1'-0"

0' 4' 8' 16'

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

FIRE ALARM FLOOR PLAN D

FA-101D

Bridgers & Paxton Project No: 8226
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School Information

Dzilth-Na-O-Dith-Hle - New School

Branch Panel: SK

Location: KITCHEN 601
Supply From: SDK
Mounting: Recessed
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 84

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	KIT KITCHEN 601 DOOR BELL SYSTEM		20 A	1	200 VA	540 VA		1	20 A		REC KITCHEN 601	2
3	KIT ITEM #58 SLICER		20 A	1		324 VA	612 VA	1	20 A		KIT ITEM #72 AIR CURTAIN	4
5							780 VA	1	20 A		KIT ITEM #27 REFRIG PASS	6
7	REC RR 200.3/ KITCHEN		20 A	1	900 VA	960 VA		1	20 A		KIT ITEM #46,47 MIXER, CAN OPENER	8
9	REC ITEM #64 ICE MACHINE		20 A	1		1356...	1080...	1	20 A		REC OFFICE 200.2	10
11	REC ITEM #15 POS		20 A	1			1380...	1200...	1	20 A		KIT ITEM #62 REACH IN REFRIG.	12
13	KIT ITEM #74A COOLER EVAPORATOR		20 A	1	480 VA	1600...		1	20 A		KIT ITEM #26 MICROWAVE	14
15	KIT ITEM #73 LIGHTS/ALARMS		20 A	1		1920...						16
17	KIT ITEM #75A FREEZER...		20 A	2			1425...	1560...	1	20 A		KIT ITEM #16,16A,17A COLD...	18
19	--		--	--	1425...	1040...			2	20 A		KIT ITEM #74B COOLER CONDENSIN...	20
21	KIT ITEM #17 HOT FOOD WELL		25 A	2		1831...	1040...					22
23	--		--	--			1831...	1500...	2	20 A		KIT ITEM #28 HEATED CABINET	24
25	REC ITEM #70 WASHER/DRYER		40 A	2	3120...	1500...		--	--		--	26
27	--		--	--		3120...	2080...	2	25 A		KIT ITEM #75B FREEZER CONDENSING	28
29	KIT ITEM #24 TOASTER		30 A	2			2330...	2080...	--	--		30
31	--		--	--	2330...	360 VA		1	20 A		KIT ITEM #14 REFRIG. MERCH.	32
33	KIT ITEM #48 MIXER, FLOOR		20 A	3		840 VA	360 VA	1	20 A		REC EQP CONDENSING UNITS	34
35	--		--	--			840 VA	384 VA	3	20 A		KIT ITEM #5 FOOD WASTE...	36
37	--		--	--	840 VA	384 VA			--	--		--	38
39	KIT ITEM #61 HEATED CABINET		20 A	1		1500...	384 VA		--	--		--	40
41	MTR EQP KEF-1		20 A	3			901 VA	1381...	3	15 A		KIT EQP MAU-1	42
43	--		--	--	901 VA	1381...			--	--		--	44
45	--		--	--		901 VA	1381...		--	--		--	46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61						1200...			1	20 A		KIT ITEM #39 EXHAUST HOOD	62
63							0 VA		1	20 A		SHUNT TRIP- EXHAUST HOOD	64
65								1200...	1	20 A		MTR ITEM #40 FSS	66
67						0 VA			1	20 A		SHUNT TRIP- FSS	68
69							924 VA		1	20 A		KIT ITEM #36 CONVECTION OVEN (UP)	70
71								0 VA	1	20 A		SHUNT TRIP- CONVECTION OVE (UP)	72
73						924 VA			1	20 A		KIT ITEM #36B CONVECTION OVEN...	74
75							0 VA		1	20 A		SHUNT TRIP- CONVECTION OVEN...	76
77								1200...	1	20 A		KIT ITEM #33 KETTLE, TILTING	78
79						0 VA			1	20 A		SHUNT TRIP- KETTLE, TILTING	80
81							360 VA		1	20 A		KIT ITEM #35 STEAMER	82
83								0 VA	1	20 A		SHUNT TRIP- STEAMER	84
			Total Load:		20084 VA		20012 VA	19991 VA					
			Total Amps:		167 A		167 A	167 A					

Legend:

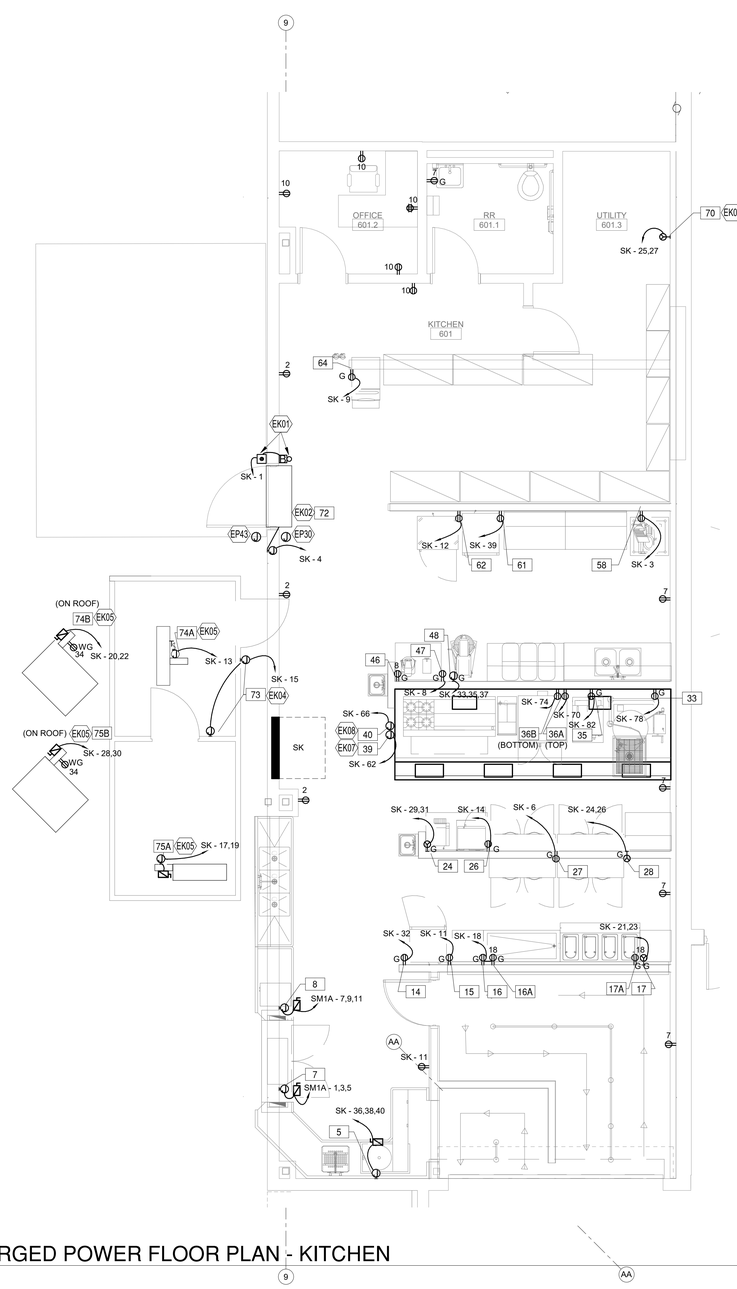
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	200 VA	100.00%	200 VA		
MTR	8045 VA	100.00%	8045 VA	**Total Conn. Load:**	60087 VA
REC	5616 VA	100.00%	5616 VA	**Total Est. Demand:**	43908 VA
KIT	46226 VA	65.00%	30047 VA	**Total Conn. Current:**	167 A
				Total Est. Demand Current:	122 A

Notes:

ELECTRICAL KITCHEN EQUIPMENT SCHEDULE NOTES:
1. UNIT WILL BE HARD-WIRE CONNECTED WITH WATER-TIGHT FLEX CONDUIT. PROVIDE 6'-0" OF FLEX FOR MOVEMENT FOR UNITS CLEANING. CIRCUIT BREAKER IN PANEL WILL ACT AS UNIT DISCONNECTING MEANS WHERE POSSIBLE.
2. UNIT WILL INCORPORATE A FACTORY PLUG AND CORD. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNITS PLUG PER "FS" SPECIFICATIONS/DRAWINGS OR MANUFACTURER'S RECOMMENDATIONS. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
3. SIZE FUSES PER MANUFACTURERES RECOMMENDATIONS.
4. EQUIPMENT IS EXISTING AND PROVIDED BY OWNER. CONTRACTOR WILL VERIFY EXISTING CONDITIONS PRIOR TO INSTALLING IN THIS KITCHEN.
5. MOUNT DISCONNECTING DEVICE AT 18 INCHES ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH OWNER.
6. MOUNT DISCONNECTING DEVICE AT 24 INCHES ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH OWNER.
7. MOUNT DISCONNECTING DEVICE AT 42 INCHES ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH OWNER.
8. MOUNT DISCONNECTING DEVICE AT 48 INCHES ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH OWNER.
9. MOUNT DISCONNECTING DEVICE AT 96 INCHES ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH OWNER.

ELECTRICAL KITCHEN EQUIPMENT SCHEDULE

EQUIPMENT NUMBER	EQUIPMENT DESCRIPTION	VOLTAGE	PHASE	EQUIPMENT LOAD CHARACTERISTICS KW	HP	FLA	M O.C.P.	BRANCH CIRCUIT CONDUCTOR	CONDUIT SIZE	EQUIPMENT TERMINATION REQUIREMENTS	OVER CURRENT PROTECTION DISCONNECT	NEMA RATING	KEYED NOTES
5	FOOD WASTE COLLECTOR	208	3		.75	3.2		4#10 & 1#10 GND	3/4"	DISC-FUSED	30	4X	1,3
7	DISHWASHER	480	3			40		4#8 & 1#10 GND	1- 1"	DISC-FUSED	60	4X	1,3,4
8	DISH BOOSTER HEATER	480	3	24		28.9		4#10 & 1#10 GND	1- 1"	DISC-FUSED	60	4X	1,3,4
14	REFRIGERATED MERCHANDISER	120	1			3		2#10 & 1#10 GND	3/4"	RECEPTACLE			2,6
15	POS STATION	120	1			10		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,6
16	COLD FOOD WELL UNIT	120	1			6		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,6
16A	COLD FOOD WELL UNIT (SNEEZE GUARD)	120	1			1		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,6
17	HOT FOOD WELL UNIT	208	1	3.6		17.6		2#10 & 1#10 GND	3/4"	RECEPTACLE			2,6
17A	HOT FOOD WELL UNIT (SNEEZE GUARD)	120	1			6		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,6
24	CONVEYOR TOASTER	208	1	4.65		22.4		3#10 & 1#10 GND	3/4"	RECEPTACLE			2
26	MICROWAVE	120	1	1.6		13		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4
27	REFRIGERATOR, PASS-THRU	120	1		.3	6.5		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,9
28	HEATED CABINET, PASS-THRU	208	1	3		20		3#10 & 1#10 GND	3/4"	RECEPTACLE			2,9
33	KETTLE, TILTING	120	1			10		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,6
35	STEAMER	120	1	.3		2		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,6
36A	CONVECTION OVEN (TOP)	120	1			7.7		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,8
36B	CONVECTION OVEN (BOTTOM)	120	1			7.7		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,6
39	EXHAUST HOOD	120	1			10		2#12 & 1#12 GND	3/4"	JBOX			
40	FIRE SUPPRESSION SYSTEM	120	1			10		2#12 & 1#12 GND	3/4"	JBOX			
46	MIXER, COUNTERTOP	120	1		.25	5		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,8
47	CAN OPENER	120	1			3		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,8
48	MIXER, FLOOR	208	3			12		4#10 & 1#10 GND	3/4"	RECEPTACLE			2,8
58	SLICER	120	1		.33	2.7		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,7
61	HEATED CABINET, MOBILE	120	1	1.5		12		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,9
62	REACH-IN REFRIGERATOR	120	1			10		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,7
64	ICE MACHINE WITH BIN	120	1			11.3		2#12 & 1#12 GND	3/4"	RECEPTACLE			2,4,7
70	WASHER/DRYER COMBO	208	2			30		3#10 & 1#10 GND	1- 1"	RECEPTACLE			2,8
72	AIR CURTAIN	120	1		.5	5.1		2#12 & 1#12 GND	3/4"	SINGLE PT CONN			
73	WALK-IN COOLER/FREEZER COMBO (ALARMS/LIGHTING)	120	1			16		2#12 & 1#12 GND	3/4"	JBOX			1
74A	COOLER EVAPORATOR	120	1			4		2#12 & 1#12 GND	3/4"	DISC-FUSED	30	4	
74B	COOLER CONDENSING UNIT	208	1		.75	10		3#10 & 1#10 GND	3/4"	DISC-FUSED	30	3R	
75A	FREEZER EVAPORATOR	208	1			13.7		3#10 & 1#10 GND	3/4"	DISC-FUSED	30	4	
75B	FREEZER CONDENSING UNIT	208	1			20		3#10 & 1#10 GND	3/4"	DISC-FUSED	30	3R	



A1 ENLARGED POWER FLOOR PLAN - KITCHEN
1/4" = 1'-0"

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
B. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED IN 'M' SHEET SERIES. RACEWAY PATHS FOR CONTROLS AND WIRING AS INDICATED ON CONTROL DIAGRAMS. REFER ALSO TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY 'M' SHEET SERIES. CONTROL WILL BE BY LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
C. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. ALL CIRCUITS FOR GENERAL POWER WITH-IN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
F. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
G. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
H. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING THE KITCHEN EQUIPMENT SHOP DRAWINGS FOR ELECTRICAL CHARACTERISTICS AS WELL AS ROUGH-INS, LOCATION, AND SIZE. CONTRACTOR WILL NOTIFY THE ARCHITECT AND KITCHEN CONSULTANT IN WRITING PRIOR TO COMMENCEMENT OF ANY WORK IF ANY DISCREPANCY ARISE.
I. INFORMATION PROVIDED HEREIN (E-402) IS FOR BIDDING PURPOSES AND DOES NOT REPRESENT EXACT INFORMATION AS DELIVERED TO THE PROJECT SITE. KITCHEN EQUIPMENT DOCUMENTS ("FS" SERIES) WILL GOVERN. CONTRACTOR WILL VERIFY EXACT REQUIREMENTS OF ALL EQUIPMENT AS DELIVERED TO PROJECT SITE AND WILL PROVIDE AND INSTALL ALL NECESSARY ATTACHMENTS AND ADJUSTMENTS THAT MAY BE REQUIRED. COORDINATE PRIOR TO COMMENCEMENT OF ANY WORK.
J. REFER TO KITCHEN EQUIPMENT SPECIFICATIONS AND "FS" SHEET SERIES FOR ADDITIONAL EQUIPMENT CHARACTERISTICS AND INFORMATION FOR PROPER INSTALLATION OF KITCHEN AND ELECTRICAL EQUIPMENT AND ROUGH-IN.
K. COORDINATE WITH FIRE SUPPRESSION INSTALLER FOR ALL REQUIRED CONNECTIONS. PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT, RACEWAY AND CONDUCTORS AS DIRECTED. COORDINATE ALL TERMINATION TO SHUNT TRIP CIRCUIT BREAKERS, FIRE ALARM PANEL AND HOOD PRIOR TO ROUGH-IN. LEAVE FIRE SUPPRESSION SYSTEM IN A COMPLETE AND OPERABLE CONDITION.
L. THROUGHOUT KITCHEN, ALL 15 AND 20 AMP, 120 VOLT RECEPTACLES, WHETHER OR NOT THE RECEPTACLE SERVES COUNTERTOP APPLIANCES, WILL BE 1 HP MOTOR RATED GFCI AND INSTALLED PER NEC 2014, ARTICLE 210.8B2. ALL DEVICES WILL BE MOUNTED SO EASY ACCESS TO DEVICE IS POSSIBLE. IF THEY ARE INSTALLED BEHIND LARGE EQUIPMENT, THEN BRANCH CIRCUIT WILL BE PROTECTED USING A GFCI TYPE OVERCURRENT PROTECTIVE DEVICE.
M. COORDINATE WITH "FS" SHEETS FOR ALL MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
N. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

EK01 PROVIDE A TURN-KEY DOOR BELL SYSTEM INCLUDING OUTSIDE SWITCH, INDOOR CHIME/BUZZER, AND POWER SUPPLY. CONNECT BRANCH CIRCUIT TO POWER SUPPLY AND WIRE ALL COMPONENTS COMPLETE FOR OPERATION ACCORDING TO MANUFACTURER'S REQUIREMENTS.

EK02 AIR CURTAIN BLOWER, DOOR POSITION SWITCH, AND CONTROL UNIT. CONNECT BRANCH CIRCUIT TO CONTROL UNIT AND WIRE ALL COMPONENTS COMPLETE FOR OPERATION ACCORDING TO MANUFACTURER'S REQUIREMENTS.

EK03 DEVICE FOR WASHER/DRYER. PROVIDE DEDICATED CIRCUIT.

EK04 COOLER/FREEZER LIGHTS, ALARMS, PRESSURE RELIEF VENT AND DOORS WILL BE WIRED BY CONTRACTOR IN EACH UNIT. CONTRACTOR WILL EXTEND ELECTRICAL SERVICE AND TERMINATE PER KEC DIRECTION. REFER TO SHEET "FS" SERIES DRAWINGS FOR DIAGRAMS. LUMINAIRES AND SWITCH WILL BE FURNISHED BY KEC AND INSTALLED BY CONTRACTOR.

EK05 WALK-IN COOLER AND FREEZER UNITS WILL BE CONNECTED PER KEC AND MANUFACTURERS RECOMMENDATIONS. REFER TO "FS" SERIES DRAWINGS FOR CONNECTION DIAGRAMS AND ADDITIONAL REQUIREMENTS. COORDINATE WITH KEC FOR LOCATION OF ALL EQUIPMENT PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR WILL EXTEND CONDUIT AND CONDUCTORS BETWEEN CONDENSING UNIT AND EVAPORATIVE COOLER AS DIRECTED BY KEC. COORDINATE ALL REQUIRED TERMINATIONS AND REQUIRED ELECTRICAL EQUIPMENT PRIOR TO COMMENCEMENT OF ANY WORK SO AS TO LEAVE UNITS COMPLETE AND OPERABLE.

EK07 JUNCTION BOX FOR HOOD LIGHTS. MAKE ALL CONNECTIONS TO EXHAUST AND HOOD LUMINAIRES PER MANUFACTURER'S RECOMMENDATIONS. HOOD LUMINAIRES WILL BE PART OF HOOD PACKAGE. LOCATE SWITCH CONTROL PER ARCHITECT'S RECOMMENDATIONS.

EK08 THIS PIECE OF EQUIPMENT WILL AUTOMATICALLY SHUT OFF WHEN FIRE SUPPRESSION SYSTEM DETECTS A PROBLEM. CIRCUIT BREAKER WILL BE SHUNT TRIP TYPE. JUNCTION BOX WILL BE FOR FIRE SUPPRESSION CONNECTION TO FIRE ALARM PANEL AND SHUNT TRIP CIRCUIT BREAKERS. KITCHEN EQUIPMENT UNDER HOOD WILL AUTOMATICALLY SHUT DOWN IN THE EVENT OF AN EMERGENCY. ALL ELECTRICAL CIRCUIT BREAKERS WILL BE SHUNT TRIP TYPE AND CONNECTED TO SUPPRESSION AND FIRE ALARM SIGNAL. THE KEC WILL PROVIDE FIRE SUPPRESSION WITH HOOD AND HOOD SHOP DRAWINGS. THIS WILL ALSO INCLUDE DIAGRAMS AND TERMINATION REQUIREMENTS. REFER TO "FS" DRAWINGS. COORDINATE WITH KEC FOR REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY WORK. REFER TO SHEET E-602 FOR MORE FIRE ALARM INFORMATION. POWER WILL ALSO SERVE CONTROL PANEL AT ITS FINAL INSTALLED LOCATION. COORDINATE GAS SOLENOID VALVE REQUIREMENTS WITH PLUMBING AND PROVIDE ADEQUATE TERMINATION TO FIRE ALARM SYSTEM.

EP30 PROVIDE POWER FOR CONNECTION TO DOOR HARDWARE. 3/4" CONDUIT BETWEEN EACH JUNCTION BOX AND PERMANENT CONDUCTORS PER DOOR HARDWARE INSTALLER'S INSTRUCTIONS.

EP43 PROVIDE JUNCTION BOX WITH POWER FOR TECHNOLOGIES SUCH AS ADA ACCESS, CARD ACCESS AND ANY OTHER SUCH SYSTEMS FOR DOORS INDICATED BY ARCHITECTS DOOR SCHEDULE. COORDINATE ALL TERMINATIONS WITH TECHNOLOGY AND HARDWARE PROVIDER OR INSTALLER PRIOR TO ROUGH-IN FOR COMPLETE INSTALLATION REQUIREMENTS.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

ENLARGED ELECTRICAL PLAN- KITCHEN

E-401

Bridgers & Paxton Project No: 8226
10/1/2020 3:45:26 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AAHerreraSSZMC.rvt
School Information

GENERAL NOTES

A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
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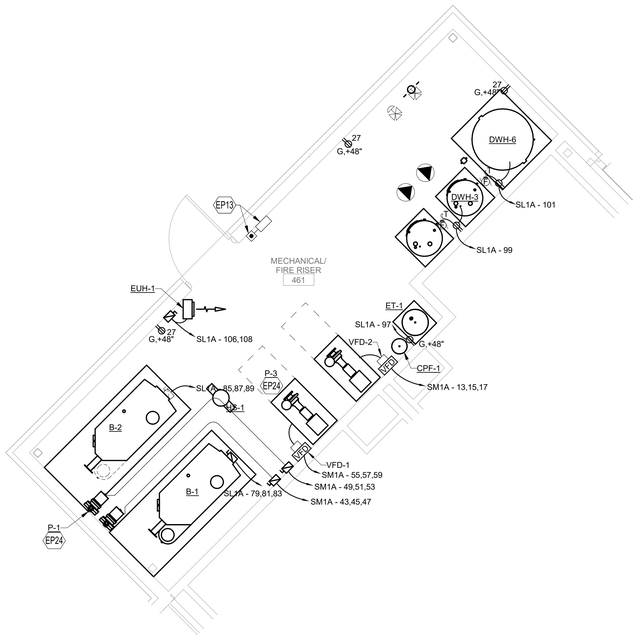
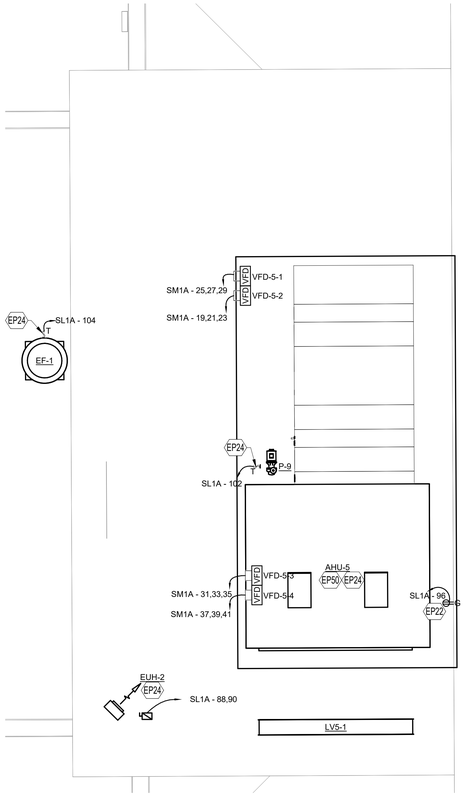
D. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
F. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.
G. ALL CIRCUITS FOR GENERAL POWER WITH-IN DASHED AREA WILL BE CONNECTED TO PANEL INDICATED UNLESS OTHERWISE NOTED.
H. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
I. ALL THERMAL RATED SWITCHES SHALL BE RATED FOR 1HP MINIMUM.
J. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

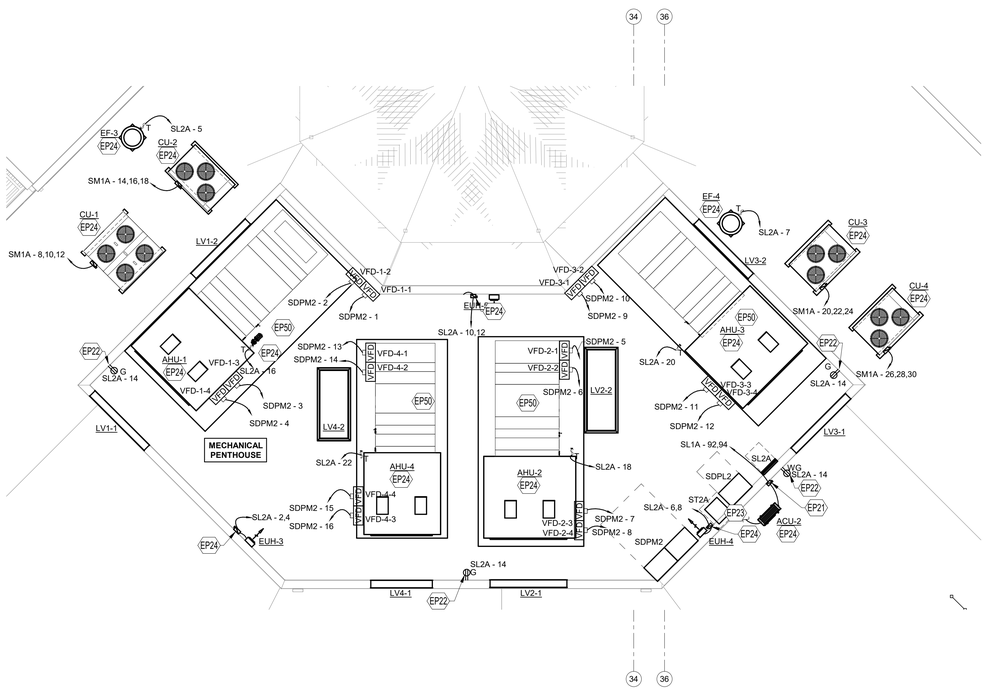
EP13	EMERGENCY POWER OFF (EPO) RED MUSHROOM HEAD PUSH BUTTON FOR BOILER AND WATER HEATER SHUT OFF. TERMINATE CONDUCTORS TO EACH BOILER AND WATER HEATER PER MANUFACTURER'S DIRECTION. EACH BOILER AND WATER HEATER'S CIRCUIT WILL BE ROUTED THROUGH A CONTACTOR (8 POLE) WHICH WILL BE MOUNTED FOR EASY ACCESS TO THE CONTACTOR WITHOUT A LADDER. REFER TO DETAIL C3 ON SHEET E-501 FOR ADDITIONAL INFORMATION.
EP21	PROVIDE DISCONNECT ON UNISTRUT NEAR MECHANICAL UNIT. REFER TO DETAIL A4 ON SHEET E-501 FOR ADDITIONAL INFORMATION.
EP22	ROOF MOUNTED RECEPTACLE. PROVIDE 2#10 & 1#10 GROUND IN 3/4" CONDUIT. REFER TO DETAIL A2 ON SHEET E-501 FOR ADDITIONAL INFORMATION.
EP23	EXTEND RACEWAY AND CONDUCTORS TO INDOOR UNIT THAT IS ASSOCIATED WITH THIS UNIT.
EP24	FOR EACH UNIT, REFER TO SHEET SERIES "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-702 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP50	REFER TO ONE-LINE SHEET SERIES "E-600" FOR ADDITIONAL INFORMATION.



C3 MECHANICAL/FIRE RISER ROOM 461 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



A1 ENLARGED ROOF PLAN WEST
SCALE: 1/4" = 1'-0"



A3 MECHANICAL PENTHOUSE ON ROOF
SCALE: 1/8" = 1'-0"

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99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

ENLARGED ELECTRICAL PLAN

E-402

School Information

Bridgers & Paxton Project No: 8226
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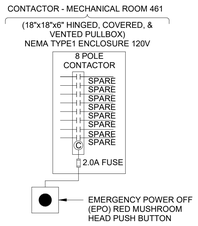
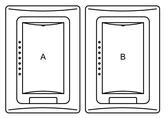


14 EPO CONTACTOR DETAIL
SCALE: NOT TO SCALE



DIGITAL DIMMING WALL SWITCHES

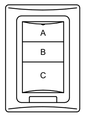
A = DIMMING CONTROL

B = COLOR TEMPERATURE CONTROL

LIGHTING CONTROL DESCRIPTION PLACARD
MOUNT ADJACENT TO SWITCH(ES)

REFER TO SHEET SERIES "EL" FOR ADDITIONAL INFORMATION

E2 2-DIMMER SWITCH DETAIL
SCALE: NOT TO SCALE



THREE BUTTON DLM WALL SWITCH

A = 50% LIGHT LEVEL

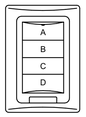
B = 100% LIGHT LEVEL

C = ALL OFF

LIGHTING CONTROL DESCRIPTION PLACARD
MOUNT ADJACENT TO SWITCH(ES)

REFER TO SHEET SERIES "EL" FOR ADDITIONAL INFORMATION

D2 WATT STOPPER 3-BUTTON DETAIL
SCALE: NOT TO SCALE



FOUR BUTTON DLM WALL SWITCH

A = 50% LIGHT LEVEL

B = 100% LIGHT LEVEL

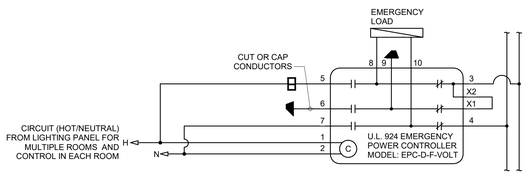
C = A/V: FRONT OFF/ BACK 50%

D = ALL OFF

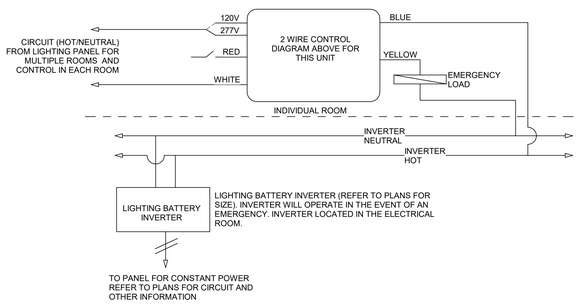
LIGHTING CONTROL DESCRIPTION PLACARD
MOUNT ADJACENT TO SWITCH(ES)

REFER TO SHEET SERIES "EL" FOR ADDITIONAL INFORMATION

C2 WATT STOPPER 4-BUTTON DETAIL
SCALE: NOT TO SCALE



2-WIRE CONTROL DEVICES



B1 EMERGENCY BATTERY INVERTER DIAGRAM
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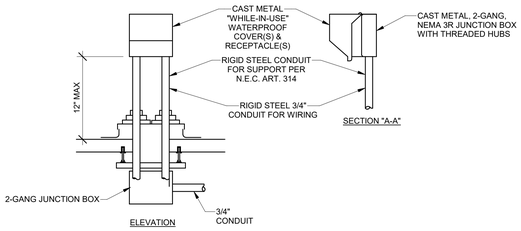
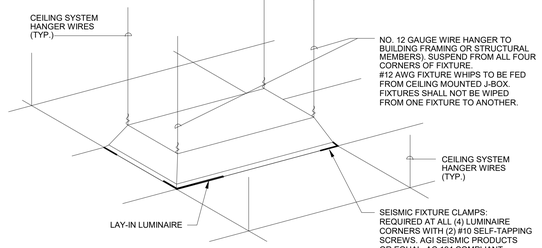
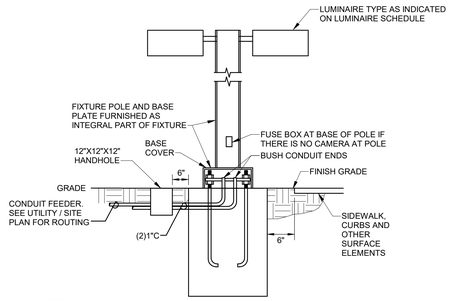


NOTE: REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR SECURELY ATTACHING TO ROOF STRUCTURE AND FLASHING

A2 RECEPTACLE ROOF MOUNTING DETAIL
SCALE: NOT TO SCALE

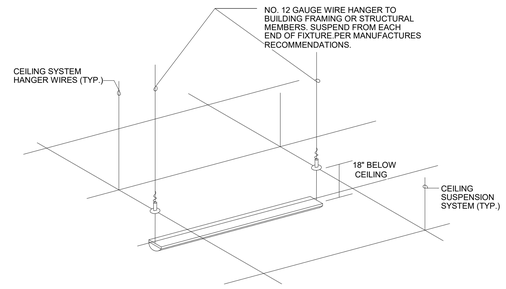


E3 LUMINAIRE SUPPORT DETAIL
SCALE: NOT TO SCALE

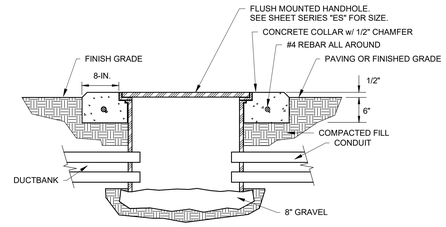


NOTE:
1. POLE BASE DETAILS SHOWS INSTALLATION OF RACEWAY PATHS FOR POLE POWER AND GROUNDING ONLY. CONCRETE, REBAR AND MOUNTING SHALL BE SPECIFIED/APPROVED BY THE STRUCTURAL ENGINEER. REFER TO D1/AS501 FOR BASE CONSTRUCTION.
2. HAND HOLE NEAR POLE BASE WILL BE A 12"x12"x12" VEHICULAR RATED FOR 15k LBS. WITH A TAMPER PROOF COVER LABELED "LIGHTING". QUAZITE OR APPROVED EQUAL.
3. PROVIDE GROUND FOR POLE AND STRUCTURE TO GROUND POLE AND LUMINAIRE.
4. CONDUIT FOR CAMERAS WILL BE ROUTED THROUGH HAND HOLE FOR SEPARATION OF SYSTEMS AND VOLTAGES OR PROVIDE A DIVIDER.

C3 POLE BASE DETAIL
SCALE: NOT TO SCALE

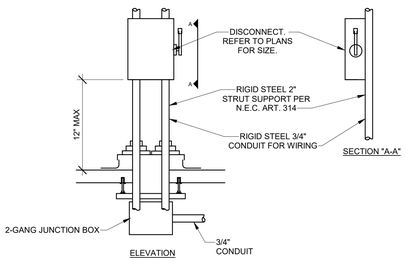


B3 LINEAR DIRECT-INDIRECT SUPPORT DETAIL
SCALE: NOT TO SCALE



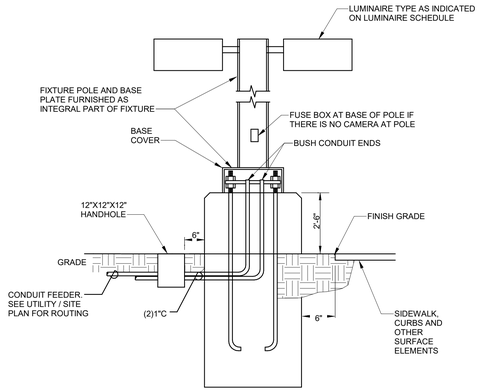
- HANDHOLE WILL BE VEHICULAR RATED AND INCORPORATE TAMPERPROOF COVERS.

A3 IN-GROUND HAND HOLE DETAIL
SCALE: NOT TO SCALE



NOTE: REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR SECURELY ATTATCHING TO ROOF STRUCTURE AND FLASHING

E5 UNISTRUT MOUNTED DISCONNECT DETAIL
SCALE: NOT TO SCALE



NOTE:
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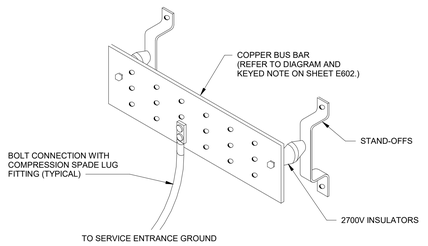
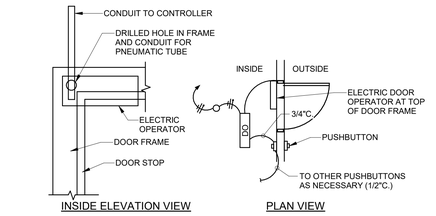
C5 POLE BASE DETAIL
SCALE: NOT TO SCALE



B5 MAIN GROUNDING ELECTRODE BUS BAR
SCALE: NOT TO SCALE



DO=ADA DOOR OPERATOR ABOVE ACCESSIBLE CEILING OR IN SERVICE ROOM. ALL CONDUIT NOT IN SERVICE
ROOM SHALL BE CONCEALED. REFER TO PLAN DRAWINGS FOR OUTLET BOX LOCATIONS OR COORDINATE CONTROL DEVICE REQUIREMENTS WITH SYSTEM SUPPLIER IF NOT SHOWN. ALL OUTLETS TO BE 1-GANG VERTICAL AND +46" UNLESS OTHERWISE NOTED. COORDINATE OUTLET LOCATIONS AND CONDUCTOR TYPES
PRIOR TO COMMENCEMENT OF ANY WORK WITH ARCHITECT AND HARDWARE MANUFACTURER.

A5 HANDICAP DOOR SYSTEM DETAIL
SCALE: NOT TO SCALE

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL DETAIL SHEET

E-501

School Information

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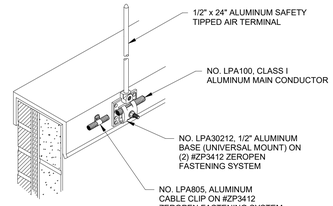
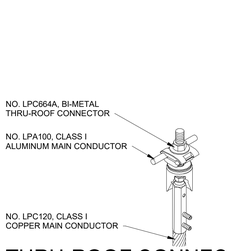
Bridgers & Paxton Project No: 8226



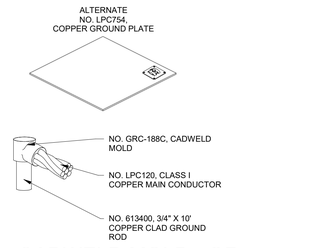
D5 AIR TERMINAL
NO SCALE

GENERAL NOTES

A. LOCATE AIR TERMINALS AS SHOWN. TAKE CARE TO INSURE THAT ALL POINTS ARE WITHIN 2'-0" OF OUTSIDE BUILDING EDGE, OUTSIDE CORNERS, RIDGE ENDS, AND THAT MAX SPACING DOES NOT EXTEND 20'-0" AND THAT MINIMUM PROJECTION ABOVE OBJECT PROTECTED IS 10". POINTS PROJECTING 24" MAY BE SPACED @ 25'-0" MAXIMUM.
B. MAINTAIN HORIZONTAL OR DOWNWARD COURSING OF MAIN CONDUCTOR. INSURE THAT ALL BENDS HAVE AT LEAST AN 8" RADIUS AND DO NOT EXCEED 90 DEGREES.
C. ATTACH ALL EXPOSED ROOF, DOWN LEAD AND BONDING CABLES AT 3'-0" ON CENTER MAXIMUM. VERIFY COMPATIBILITY OF ADHESIVE ON MEMBRANE ROOF APPLICATION PRIOR TO INSTALLATION.
D. GROUND ELECTRODES SHALL BE INSTALLED AS SHOWN, BUT IN NO INSTANCE SHALL THEY BE LESS THAN 1'-0" BELOW GRADE AND 2'-0" FROM THE FOUNDATION WALL. DRIVEN RODS SHALL PENETRATE THE EARTH AT LEAST 10'-0".
E. BOND TO WATER SERVICE AND OTHER PIPING SYSTEMS AS SHOWN AND AS REQUIRED BY CODE.
F. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE, AND OTHER BUILDING GROUND SYSTEMS AS SHOWN OR AS REQUIRED BY CODE.
G. SYSTEM SHALL BE INSTALLED AS SHOWN TO INSURE PROPER CODE COMPLIANCE AND SYSTEM CERTIFICATION. ANY MAJOR VARIANCE SHALL BE RESUBMITTED FOR APPROVAL.
H. "AS-BUILT" DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH CERTIFICATION PROCEDURES.
I. ALL MATERIALS ARE TO BE UNDERWRITER'S LABORATORIES APPROVED WITH "A" LABELS ON CONDUCTORS @ 10'-0" INTERVALS AND "B" LABELS ON ALL AIR TERMINALS.
J. COMPLETED INSTALLATION AS SHOWN SHALL BEAR U.L. MASTER LABEL "C" TO BE SECURED BY SYSTEM INSTALLER PER UL96A.
K. INSTALLATION SHALL COMPLY IN ALL RESPECTS TO L.P.I. CODE 175. INSTALLATION SHALL BE MADE UNDER THE SUPERVISION OF AN L.P.I. CERTIFIED MASTER INSTALLER.
L. REFER TO SPECIFICATION SECTIONS 264112 FOR ADDITIONAL INFORMATION AND APPROVED MANUFACTURERS. ALL MATERIALS SHOWN AND INTENDED FOR USE ARE BY:
VFC LIGHTNING PROTECTION
90 NORTH CUTLER DRIVE
NORTH SALT LAKE, UTAH 84054
PHONE: (801) 292-2956
FAX: (801) 292-4164
EMAIL: cad@vfcinc.com
INTERNET: www.vfcinc.com



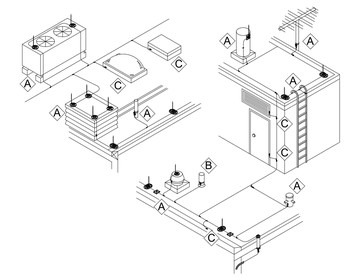
C4 THRU-ROOF CONNECTION
NO SCALE

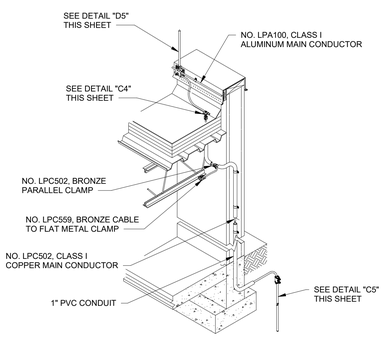


C5 CADWELD MOLD - GR
NO SCALE

GENERAL BONDING NOTES

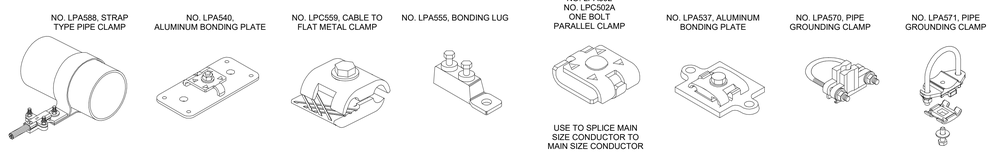
A. TYPICAL BODIES OF CONDUCTANCE AS NOTED BELOW. USE FULL SIZE CONDUCTOR AND APPROPRIATE FITTING SHOWN FOR CONNECTION.
B. (PLUMBING STACK) REQUIRES BONDING WITH MAIN SIZE CABLE ONLY IF WITHIN 6'-0" (1,828mm) OF LIGHTNING PROTECTION SYSTEM.
C. TYPICAL BODIES OF INDUCTANCE AS NOTED BELOW. USE SECONDARY SIZE (SMALLER) CONDUCTOR AND APPROPRIATE FITTING SHOWN FOR CONNECTION.
D. BONDING CONNECTIONS AND FITTINGS SHOWN ARE TYPICAL EXAMPLES. MAKE ALL CONNECTIONS REQUIRED TO MEET CODES AS NOTED BELOW. ADJUST FITTING TYPE AS REQUIRED TO SUIT FIELD CONDITIONS.



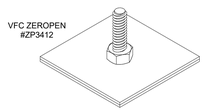


NOTE: INSTALLATION OF DOWNLEAD CABLE WILL VARY AT EACH LOCATION SHOWN ON SHEET "EP141". REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL INFORMATION FOR THE VARIOUS INSTALLATIONS. COORDINATE INSTALLATION PRIOR TO COMMENCEMENT OF ANY WORK.

B4 TYPICAL DOWNLEAD DETAIL
NO SCALE



A2 MISCELLANEOUS
NO SCALE



All fasteners to be VFC ZEROPEN #ZP3412 with appropriate loop supports. No support penetrations shall be made in any sheet metal flashing or roof top equipment. Sheet metal screws shall not be used. Appropriate adhesive supports and construction mastic may be used on Membrane roof surfaces only. Adhesive supports and construction mastic shall not be used on any sheet metal surfaces.

The contractor shall furnish 10 Year Adhesion Warranty on the VFC ZEROPEN fastener system.

IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE LIGHTNING PROTECTION SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR TO PROVIDE A DESIGN/BUILD LIGHTNING PROTECTION SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR TO ENSURE THAT THE LIGHTNING PROTECTION SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE LIGHTNING PROTECTION SYSTEM. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACHIEVE A MASTER LABEL FOR THE LIGHTNING PROTECTION SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

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Albuquerque, NM 87109 | 505.883.4111 | www.bpce.com

ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

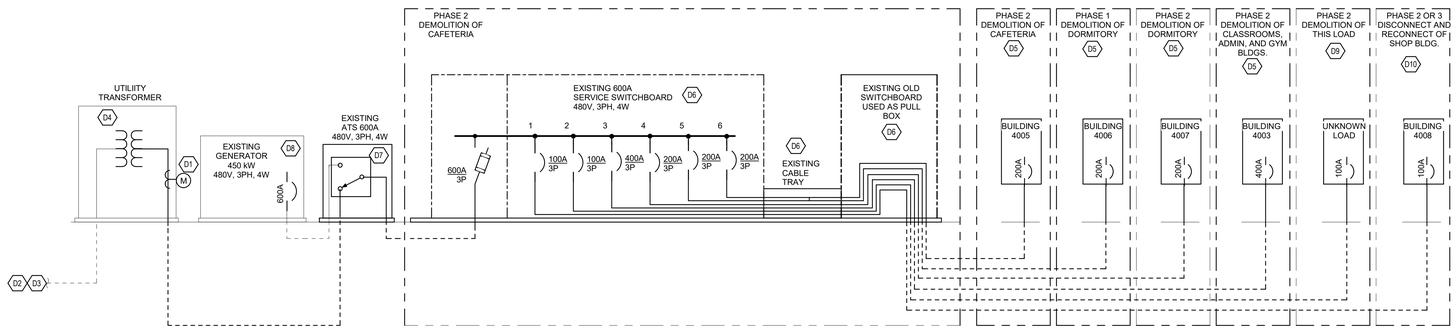
ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

LIGHTNING PROTECTION DETAILS

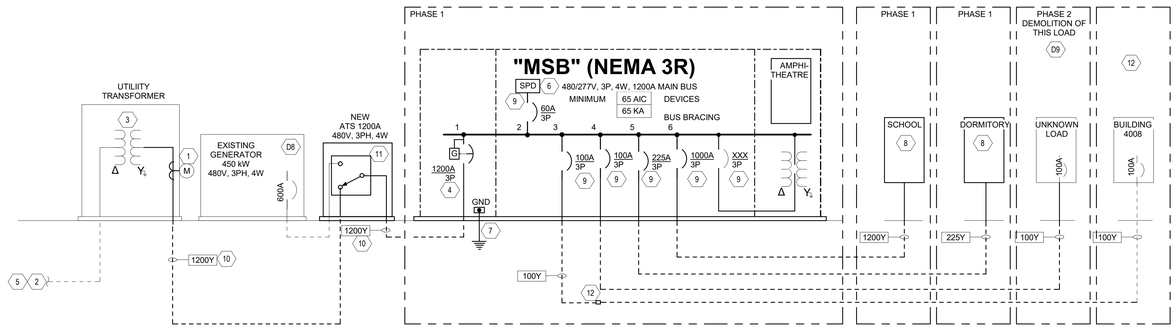
E-502

Bridgers & Paxton Project No: 8226
10/1/2020 3:45:35 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerrera\SSZMC.rvt
School Information



D1 ELECTRICAL DEMOLITION ONE LINE DIAGRAM

1/8" = 1'-0"



C1 ELECTRICAL ONE LINE DIAGRAM- SITE

1/8" = 1'-0"

GENERAL NOTES

A. PANELBOARD AIC RATINGS ARE INDICATED ON THE PANEL SCHEDULES.
B. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS.
C. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING EQUIPMENT AND INSTALLATION. NOT ALL INFORMATION IS SOWN ON THIS DIAGRM.
D. ALL PANELS WILL HAVE DOOR-INDOOR, EACH DOOR KEY LOCKABLE ACCESSIBILITY FOR EACH PANEL.
E. CONTRACTOR WILL MEASURE AND TORQUE ALL PANEL FEEDERS. MEASURE RESISTANCE TO GROUND AT SERVICE GROUND AND PROVIDE WRITTEN DOCUMENTAION OF TEST RESULTS. CONTRACTOR WILL COORDINATE TIME SO THAT SCHOOL REPRESENTATIVE IS PRESENT DURING TEST.
F. CONTRACTOR WILL LABEL ALL DISTRIBUTION EQUIPMENT PRIOR TO FINAL OBERVATION WALK THROUGH.
G. REFER TO GROUNDING DIAGRAM ON SHEET E-602.
H. ALL ELECTRICAL EQUIPMENT DIRECTORIES WILL BE TYPED.
I. COMPLY WITH NFPA 70, 2004 ED.

SITE KEYNOTES

1. EXISTING METER AND METER ENCLOSURE MOUNTED AS DIRECTED BY JMEC.
2. JMEC ELECTRICAL OVERHEAD DISTRIBUTION.
3. UTILITY TRANSFORMER IS EXPECTED TO REMAIN. JMEC WILL DETERMINE AND REPLACE AS NECESSARY. COORDINATE CONNECTIONS AND CONCRETE PAD REQUIREMENTS WITH JMEC.
4. SOLID STATE, ELECTRONIC TRIP CIRCUIT BREAKER WITH LONGTIME, SHORT-TIME, INSTANTANEOUS FUNCTIONS. 100% RATED WITH ADJUSTABLE AND GROUND FAULT PROTECTION SETTINGS. PROVIDE WITH ENERGY REDUCTION MAINTENANCE SWITCH.
5. UNDERGROUND PRIMARY DISTRIBUTION BY JMEC SHOULD REMAIN AS PRESENTLY INSTALLED. JMEC WILL CHANGE AS REQUIRED AND DICTATE TO CONTRACTOR ANY ADDITIONAL WORK REQUIRED. CONTRACTOR WILL COORDINATE WITH JMEC REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK AND INSTALLATION REQUIREMENTS.
6. SPD MOUNTED INTERNALLY TO SWITCHBOARD/PANELBOARD. REFERENCE SECTION 264313 FOR ADDITIONAL INFORMATION.
7. REFER TO SHEET E-602 FOR GROUNDING INFORMATION FOR THIS EQUIPMENT.
8. REFER TO SHEETS E-601 FOR BOTH CLASSROOM AND DORM FOR ADDITIONAL ELECTRICAL DISTRIBUTION EQUIPMENT REQUIREMENTS.
9. MOLDED CASE, THERMAL-MAGNETIC CIRCUIT BREAKERS WITH LOCKABLE CAPABILITIES.
10. DO NOT PROVIDE GROUND CONDUCTOR WITH FEEDER CONDUCTORS.
11. NEW ATS WILL BE PROVIDED AND ALL NEW AND EXISTING CONDUCTORS WILL BE RECONNECTED.
12. EXISTING SHOP BUILDING WILL REMAIN CONNECTED TO EXISTING AND/OR NEW ELECTRICAL EQUIPMENT SO THAT POWER OUTAGE TO THIS BUILDING IS KEPT TO A MINIMUM. PROVIDE NEW FEEDER CONDUCTORS IN EXISTING CONDUIT BETWEEN NEW MSB AND EXISTING MAIN PANEL IN THE SHOP BUILDING. NEW CONDUCTORS WILL BE INSTALLED IN EXISTING AND NEW CONDUIT. PROVIDE A 2' X 2' X 3' HAND HOLE FOR INTERCEPTING CONDUIT. HAND HOLE WILL BE VEHICULAR RATED FOR 22K LBS. PROVIDE TAMPERPROOF COVERS AND LABEL "SHOP ELECTRICAL".

DEMOLITION GENERAL NOTES

A. INFORMATION SHOWN IS DIAGRMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. EXISTING PHYSICAL LAYOUTS ARE TO BE PER EXISTING FIELD CONDITIONS.
B. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING DEMOLITION EQUIPMENT AND REMOVAL OF EXISTING INSTALLATIONS.
C. CONTRACTOR WILL LABEL ALL EXISTING AND NEW ELECTRICAL DISTRIBUTION EQUIPMENT PRIOR TO FINAL OBSERVATION WALK THROUGH. ESPECIALLY AFTER ALL EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND RECONNECTED INTO NEW ELECTRICAL EQUIPMENT.
D. ALL EXISTING AND OR NEW ELECTRICAL EQUIPMENT DIRECTORIES WILL BE TYPED. ESPECIALLY AFTER ALL EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND RECONNECTED INTO NEW ELECTRICAL EQUIPMENT.

DEMOLITION KEYNOTES

D1. EXISTING METER AND METER ENCLOSURE WILL REMAIN AS PRESENTLY INSTALLED UNLESS JMEC REQUIRES AS UPGRADE TO THE EXISTING CONDITION.
D2. EXISTING JMEC ELECTRICAL PRIMARY OVERHEAD DISTRIBUTION. ANY MODIFICATIONS TO THIS EXISTING INSTALLATION WILL BE BY JMEC.
D3. EXISTING JMEC ELECTRICAL PRIMARY UNDERGROUND DISTRIBUTION. ANY MODIFICATIONS TO THIS EXISTING INSTALLATION WILL BE DIRECTED BY JMEC. CONTRACTOR WILL PROVIDE ALL NECESSARY MODIFICATION PER JMEC DIRECTION.
D4. EXISTING UTILITY TRANSFORMER (20kVA) WILL REMAIN AS PRESENTLY INSTALLED UNLESS JMEC REQUIRES A MODIFICATION TO THE EXISTING CONDITION. ALL PRIMARY WORK AND REPLACEMENT OF EQUIPMENT BY JMEC. COORDINATE CONNECTIONS AND CONCRETE PAD AND OTHER REQUIREMENTS WITH JMEC.
D5. EXISTING ELECTRICAL EQUIPMENT INDICATED IN THIS PHASE WILL BE REMOVED ALONG WITH THE BUILDING DEMOLITION AS WELL AS ALL ELECTRICAL DISTRIBUTION EQUIPMENT IN THE BUILDING. REMOVE ALL SERVICE FEEDERS OVERHEAD OR UNDERGROUND BACK TO ELECTRICAL EQUIPMENT SOURCE.
D6. EXISTING 600A SWITCHBOARD, ASSOCIATED PULL BOX, AND CABLE TRAY WILL REMAIN UNTIL SUCH TIME IN THE CONSTRUCTION SCHEDULE THAT IT CAN BE REMOVED.
D7. REMOVE AND REPLACE 600A ATS. MODIFY EXISTING CONDUCTORS FROM BOTH GENERATOR AND UTILITY TRANSFORMER AS REQUIRED. REFER TO NEW ONE-LINE DIAGRAM THIS SHEET FOR ADDITIONAL INFORMATION.
D8. EXISTING 450kW GENERATOR WILL REMAIN AND RECONNECTED. REFER TO NEW ONE-LINE DIAGRAM THIS SHEET FOR ADDITIONAL INFORMATION.
D9. EXISTING UNKNOWN LOAD, IF IT NEEDS TO REMAIN ON SITE, WILL BE DISCONNECTED AND RECONNECTED INTO NEW MSB. REFER TO THIS SHEET FOR ADDITIONAL INFORMATION. EXISTING FEEDER CONDUCTORS WILL BE DISCONNECTED FROM EXISTING MSB AND REMOVED BETWEEN CONNECTION POINTS. NEW CONDUCTORS WILL BE INSTALLED.
D10. EXISTING SHOP BUILDING WILL REMAIN CONNECTED TO EXISTING AND OR NEW ELECTRICAL EQUIPMENT SO THAT POWER OUTAGE TO THIS BUILDING IS KEPT TO A MINIMUM. EXISTING FEEDER CONDUCTORS WILL BE DISCONNECTED FROM EXISTING MSB AND REMOVED BETWEEN CONNECTION POINTS. NEW CONDUCTORS WILL BE INSTALLED.

COPPER FEEDER SCHEDULE

NOTE: ALL CONDUCTORS ARE COPPER, TYPE THWN/THHN UNLESS OTHERWISE NOTED.

DESIGNATION	CONDUCTORS	GROUND	CONDUIT	NOTES
THREE PHASE THREE WIRE & GROUND FEEDER				
20Δ	3#12	12	3/4"	
25Δ	3#10	10	3/4"	
30Δ	3#10	10	3/4"	
35Δ	3#8	10	3/4"	
40Δ	3#8	10	3/4"	
45Δ	3#8	10	3/4"	
50Δ	3#8	10	3/4"	
60Δ	3#6	10	1"	
70Δ	3#4	8	1 1/4"	
80Δ	3#4	8	1 1/4"	
90Δ	3#2	8	1 1/4"	
100Δ	3#2	8	1 1/4"	
125Δ	3#1	6	1 1/2"	
150Δ	3#1/0	6	1 1/2"	
175Δ	3#2/0	6	2"	
200Δ	3#3/0	6	2"	
THREE PHASE FOUR WIRE & GROUND FEEDER				
20Y	4#12	12	3/4"	
25Y	4#10	10	3/4"	
30Y	4#10	10	3/4"	
35Y	4#8	10	3/4"	
40Y	4#8	10	3/4"	
45Y	4#8	10	3/4"	
50Y	4#8	10	3/4"	
60Y	4#6	10	1"	
70Y	4#4	8	1 1/4"	
80Y	4#4	8	1 1/4"	
90Y	4#2	8	1 1/4"	
100Y	4#2	8	1 1/4"	
125Y	4#1	6	1 1/2"	
150Y	4#1/0	6	2"	
175Y	4#2/0	6	2"	
200Y	4#3/0	6	2"	

EQUIPMENT BONDING JUMPER FOR SEPARATELY DERIVED SYSTEMS PER NEC 250.66 (PROVIDE CONDUCTOR GROUND BELOW INSTEAD OF FEEDER GROUND FOR THREE PHASE, 4-WIRE SYSTEMS INDICATED ABOVE)

DESIGNATION	GROUND
20YS THRU 100YS	8
125YS THRU 150YS	6
175YS THRU 200YS	4
225YS THRU 300YS	2
350YS THRU 500YS	1/0
600YS THRU 700YS	2/0
800YS THRU 5000YS	3/0

THREE PHASE FOUR WIRE 200% NEUTRAL & GROUND FEEDER			
100Y-E	3#2, 1#4/0 NEUTRAL	8	2"
150Y-E	3#2/0, 2#2/0 NEUT.	6	2"
225Y-E	3-250 KCMIL, 2-250 KCMIL NEUT.	4	2 1/2"
350Y-E	(2) 3#3/0, (2) 2#3/0 NEUT.	(2) 2	(2) 2 1/2"
400Y-E	(2) 3#4/0 (2) 2#4/0 NEUT.	(2) 2	(2) 2 1/2"
500Y-E	(2) 3-350 KCMIL, (2) 2-350KCMIL NEUT.	(2) 2	(2) 3"

A1 COPPER FEEDER SCHEDULE
NONE

ALUMINUM FEEDER SCHEDULE

NOTE: ALL CONDUCTORS ARE ALUMINUM, TYPE THWN/THHN UNLESS OTHERWISE NOTED.

DESIGNATION	CONDUCTORS	GROUNDING CONDUCTOR(S)	CONDUIT	NOTES
THREE PHASE THREE WIRE & GROUND FEEDER				
50Δ	3#6	6	1"	
60Δ	3#4	6	1 1/4"	
70Δ	3#3	6	1 1/4"	
80Δ	3#2	2	1 1/4"	
90Δ	3#2	2	1 1/4"	
100Δ	3#1	2	1 1/2"	
125Δ	3#2/0	2	2"	
150Δ	3#3/0	2	2"	
175Δ	3#4/0	2	2 1/2"	
200Δ	3-250 KCMIL	2	2 1/2"	
THREE PHASE FOUR WIRE & GROUND FEEDER				
50Y	4#6	6	1"	
60Y	4#4	6	1 1/4"	
70Y	4#3	6	1 1/4"	
80Y	4#2	2	1 1/4"	
90Y	4#2	2	1 1/4"	
100Y	4#1	2	1 1/2"	
125Y	4#2/0	2	2"	
150Y	4#3/0	2	2"	
175Y	4#4/0	2	2 1/2"	
200Y	4-250 KCMIL	2	3"	
THREE PHASE FOUR WIRE 200% NEUTRAL & GROUND FEEDER				
100Y-E	3#1, 2#1 NEUTRAL	2	2"	
150Y-E	3#3/0, 2#3/0 NEUTRAL	2	2 1/2"	
225Y-E	3-300 KCMIL, 2-300 KCMIL NEUTRAL	2	3"	
350Y-E	(2) 3#4/0, (2) 2#4/0 NEUTRAL	(2) 1	(2) 2 1/2"	
400Y-E	(2) 3-250 KCMIL, (2) 2-250 KCMIL NEUTRAL	(2) 1	(2) 2 1/2"	
500Y-E	(2) 3-350 KCMIL, (2) 2-350 KCMIL NEUTRAL	(2) 1/0	(2) 3"	

A2 ALUMINUM FEEDER SCHEDULE
NONE

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CONSULTANT

BRIDGERS & PAXTON
4600 C Montgomery Blvd. NE
Albuquerque, NM 87109 | 505.883.4111 | www.bpce.com

ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM-SITE

ES-601

Bridgers & Paxton Project No: 8226 10/1/2020 3:55:24 PM D:\Revit 2019\Projects\8226_DCS Classroom, MEP_AMherrera\SSZMC.rvt
School Information

VOLTAGE DROP CALCULATIONS

Project: Dzilth-Na-O-Dith-Hle CS
Project No: 8226
Estimator: Joseph Montano
Calc by: Tacy Austin
Date: 8-Jun-20

Maximum voltage drop for a Branch Circuit shall be less than 3% (NEC 210.19.A. FPN 4).
Maximum voltage drop for a Feeder shall be less than 3% (NEC 215.2. FPN 2).
Maximum combined voltage drop for a Feeder and Branch shall be less than 5%

start 480 | end 471.18 | % drop 1.84% | Source: 2017 NEC

Run	Feeder or Branch Circuit Run:	Type of Circuit	Voltage	Phase	Conductor Material	Length (ft)	Size	Load Current (Amps)	qty Parrallel Runs	Load on feeder	Resistance	Voltage Drop	End Voltage	% Voltage Drop Feeder	% Voltage Drop Branch
1	UT1 TO MSB	Feeder	480.0	3	C	72	600	1200	3	400	0.021	**1.07**	**478.93**	**0.22%**	
2	MSB TO SDPH1	Feeder	480.0	3	C	530	600	1200	3	400	0.021	**7.86**	**472.14**	**1.64%**	
3	MSB TO SHOP BLDG	Feeder	480.0	3	C	242	600	225	3	75	0.021	**0.67**	**479.33**	**0.14%**	
4															
5	SDPH1 TO SM1A	Feeder	480.0	3	C	30	4/0	225		225	0.061	**0.71**	**479.29**	**0.15%**	
6	SDPH1 TO SM1B	Feeder	480.0	3	C	200	4/0	225		225	0.061	**4.74**	**475.26**	**0.99%**	
7	SDPH1 TO SH1B	Feeder	480.0	3	C	200	4/0	225		225	0.061	**4.74**	**475.26**	**0.99%**	
8	SDPH1 TO ST1A	Feeder	480.0	3	C	30	4	80		80	0.308	**1.28**	**478.72**	**0.27%**	
9	ST1A TO SK	Feeder	208.0	3	C	181	250	225		225	0.052	**3.63**	**204.37**	**1.75%**	
10	SDPH1 TO ST1B	Feeder	480.0	3	C	30	600	400		400	0.021	**0.44**	**479.56**	**0.09%**	
11	ST1B TO SDPL1	Feeder	208.0	3	C	30	600	800	2	400	0.021	**0.44**	**207.56**	**0.21%**	
12	SDPL1 TO SL1A	Feeder	208.0	3	C	200	250	225		225	0.052	**4.01**	**203.99**	**1.93%**	
13	SDPL1 TO SL1B	Feeder	208.0	3	C	200	250	225		225	0.052	**4.01**	**203.99**	**1.93%**	
14	SDPL1 TO SL1C	Feeder	208.0	3	C	343	500	225		225	0.026	**3.45**	**204.55**	**1.66%**	
15	SDPL1 TO SL1D	Feeder	208.0	3	C	338	500	225		225	0.026	**3.40**	**204.60**	**1.63%**	
16															
17	MSB TO DDPH1	Feeder	480.0	3	C	142	600	225	3	75	0.021	**0.39**	**479.61**	**0.08%**	
18	DDPH1 TO DT1A	Feeder	480.0	3	C	30	3/0	200		200	0.077	**0.80**	**479.20**	**0.17%**	
19	DT1A TO DL1A	Feeder	208.0	3	C	30	600	400		400	0.021	**0.44**	**207.56**	**0.21%**	

(5) VOLTAGE DROP CALCULATIONS
NONE

FAULT CURRENT CALCULATIONS

Source DESCRIPTION

Fault Point	Equipment	SES Size (Amps):	XFMR Size (kVA):	XFMR mounting:	Primary Voltage:	Secondary Voltage:	Phase	Xfmr FLA (Amps):	Xfmr Impedence (Ohms):	Xfmr Impedence adjusted value:	Let-Thru Short Curcuit Current:	Manual input Let-Thru Short Curcuit Current
SF	MSB	1200	500	PAD	12470	480	3	601		5.75		**65000**

Assumptions: 1) 600 Volt rated conductors/cables only.
Value based on JMEZ available Fault

KNOWN FAULT INFORMATION						SECOND TRANSFORMER IN SYSTEM (DRY-TYPE)						FEEDER/BRANCH CIRCUIT CALCULATION								RESULT
Fault Point	Equipment	Source of Fault	Available Fault Current	Voltage:	PHASE:	XFMR Size (kVA):	Secondary Voltage:	Xfmr Impedence (Ohms):	Xfmr Impedence (user input):	"I" factor	"M" factor	Conductor Type	Conductor Size	3 single conductor e?	Conduit Type	Number of sets	Length to fault	"C" value	"I" factor	"M" factor	Available Short Circuit Current at Fault:
F1	MSB	UT1	65000	480	3							C	600	Y	P	3	72	28033	0.201	0.833	**54141**
F2	SDPH1	MSB	54141	480	3							C	600	Y	P	3	530	28033	1.230	0.448	**24281**
F3																					
F4	PRI-ST1A	SDPH1	24281	480	3							C	4	Y	S	1	30	3806	0.690	0.592	**14369**
F5	SEC-ST1A	PRI-ST1A	14369	480	3	75	208	1.00		1.59	0.386										**12789**
F6	SK	SEC-ST1A	12789	208	3							C	4/0	Y	P	1	200	16673	1.276	0.439	**5619**
F7	PRI-ST1B	SDPH1	24281	480	3							C	600	Y	S	1	30	22965	0.114	0.897	**21790**
F8	SEC-ST1B	PRI-ST1B	21790	480	3	225	208	1.12		0.90	0.526										**26441**
F9	SDPL1	SEC-ST1B	26441	208	3							C	600	Y	S	2	30	22965	0.144	0.874	**23120**
F10	SM1A	SDPH1	24281	480	3							C	4/0	Y	S	1	30	15082	0.174	0.852	**20681**
F11	SM1B	SDPH1	24281	480	3							C	4/0	Y	P	1	200	16673	1.050	0.488	**11846**
F12	SH1B	SDPH1	24281	480	3							C	4/0	Y	P	1	200	16673	1.050	0.488	**11846**
F13	SL1A	SDPL1	23120	208	3							C	250	Y	S	1	200	16443	2.333	0.300	**6936**
F14	SL1B	SDPL1	23120	208	3							C	250	Y	P	1	200	18594	2.068	0.326	**7535**
F15	SL1B	SDPL1	23120	208	3							C	250	Y	P	1	200	18594	2.068	0.326	**7535**
F16	SL1C	SDPL1	23120	208	3							C	500	Y	P	1	343	26706	2.470	0.288	**6663**
F17	SL1D	SDPL1	23120	208	3							C	500	Y	P	1	338	26706	2.434	0.291	**6733**
F18																					
F19	DDPH1	MSB	54141	480	3							C	600	Y	P	3	142	28033	0.329	0.752	**40723**
F20	PRI-DT1A	DDPH1	40723	480	3							C	3/0	Y	P	1	30	13923	0.316	0.760	**30939**
F21	SEC-DT1A	PRI-DT1A	30939	480	3	112.5	208	1.07		2.45	0.290										**20716**
F22	DL1A	SEC-DT1A	20716	208	3							C	600	Y	P	1	30	28033	0.184	0.844	**17491**
F23																					

(4) FAULT CURRENT CALCULATIONS
NONE

Electrical Utility Calc.-DCS - *Project #8226.*

Description of Load		Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
School		672	100%	672	100%	672	
Dormitory		129	100%	129	100%	129	
Existing Shop Building		58	100%	58	100%	58	
Subtotal of loads KVA		859		859		859	
				Future Capacity	0%	0	
					Total Service load KVA	859	
					Voltage of Service (480-3PH)	0.831	
					Total Service Ampacity	1033	

(7) ELECTRICAL UTILITY CALCULATIONS
NONE

Electrical Service Calc.-DCS Shop Building - *Project #8226.*

Description of Load		Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting		6	100%	6	125%	7	1,2,3
Lighting Exterior		1	100%	1	125%	1	3
Receptacle		17	First 10KVA @ 100% Remnder over 10KVA @ 50%	14	100%	14	
Motor loads		29	100%	29	100%	29	
Non-continuous loads		6	100%	6	100%	6	
Kitchen Equipment		0	6 and more @ 65%	0	100%	0	
Subtotal of loads KVA		58		54		56	
				Future Capacity	25%	14	
					Total Service load KVA	70	
					Voltage of Service (480-3PH)	0.831	
					Total Service Ampacity	84	

5,719 Sq. Ft.	1 watts per square foot for lighting loads	=	5,719 **VA**
5,719 Sq. Ft.	.1 watts/square foot for Ext. LTG loads	=	572 **VA**
5,719 Sq. Ft.	3 watts per square foot for receptacle loads	=	17,157 **VA**
5,719 Sq. Ft.	5 watts per square foot for mechanical loads	=	28,595 **VA**
5,719 Sq. Ft.	1 watts/square foot for non-continuous loads	=	5,719 **VA**
5,719 Sq. Ft.	0 watts/square foot for kitchen loads	=	0 **VA**

NOTES
1. Meets required New Mexico State energy requirement. IECC required educational space watts/sq.ft. of 1.2.
2. Occupancy sensors were utilized through building for control to meet requirements of IECC.
3. A programmable system is also used for automatic control for energy savings.

(6) ELECTRICAL SERVICE CALCULATIONS
NONE

GENERAL NOTES

A. COMPLY WITH NFPA 70, 2004 ED.

SITE KEYNOTES

fbt | architects
MAIL: 6501 Americas Pkwy NE , Ste. 300 Albuquerque, NM 87110
PHO: 505.883.5200
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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL CALCULATIONS-SITE

ES-602

COPPER FEEDER SCHEDULE

NOTE: ALL CONDUCTORS ARE COPPER, TYPE THWN/THHN UNLESS OTHERWISE NOTED.

DESIGNATION	CONDUCTORS	GROUND	CONDUIT	NOTES
THREE PHASE THREE WIRE & GROUND FEEDER				
20Δ	3#12	12	3/4"	
25Δ	3#10	10	3/4"	
30Δ	3#10	10	3/4"	
35Δ	3#8	10	3/4"	
40Δ	3#8	10	3/4"	
45Δ	3#8	10	3/4"	
50Δ	3#8	10	3/4"	
60Δ	3#6	10	1"	
70Δ	3#4	8	1 1/4"	
80Δ	3#4	8	1 1/4"	
90Δ	3#2	8	1 1/4"	
100Δ	3#2	8	1 1/4"	
125Δ	3#1	6	1 1/2"	
150Δ	3#1/0	6	1 1/2"	
175Δ	3#2/0	6	2"	
200Δ	3#3/0	6	2"	
THREE PHASE FOUR WIRE & GROUND FEEDER				
20Y	4#12	12	3/4"	
25Y	4#10	10	3/4"	
30Y	4#10	10	3/4"	
35Y	4#8	10	3/4"	
40Y	4#8	10	3/4"	
45Y	4#8	10	3/4"	
50Y	4#8	10	3/4"	
60Y	4#6	10	1"	
70Y	4#4	8	1 1/4"	
80Y	4#4	8	1 1/4"	
90Y	4#2	8	1 1/4"	
100Y	4#2	8	1 1/4"	
125Y	4#1	6	1 1/2"	
150Y	4#1/0	6	2"	
175Y	4#2/0	6	2"	
200Y	4#3/0	6	2"	

EQUIPMENT BONDING JUMPER FOR SEPARATELY DERIVED SYSTEMS PER NEC 250.66 (PROVIDE CONDUCTOR GROUND BELOW INSTEAD OF FEEDER GROUND FOR THREE PHASE, 4-WIRE SYSTEMS INDICATED ABOVE)

DESIGNATION	GROUND		
20YS THRU 100YS	8		
125YS THRU 150YS	6		
175YS THRU 200YS	4		
225YS THRU 300YS	2		
350YS THRU 500YS	1/0		
600YS THRU 700YS	2/0		
800YS THRU 5000YS	3/0		

THREE PHASE FOUR WIRE 200% NEUTRAL & GROUND FEEDER				
100Y-E	3#2, 1#4/0 NEUTRAL	8	2"	
150Y-E	3#2/0, 2#2/0 NEUT.	6	2"	
225Y-E	3-250 KCMIL, 2-250 KCMIL NEUT.	4	2 1/2"	
350Y-E	(2) 3#3/0, (2) 2#3/0 NEUT.	(2) 2	(2) 2 1/2"	
400Y-E	(2) 3#4/0, (2) 2#4/0 NEUT.	(2) 2	(2) 2 1/2"	
500Y-E	(2) 3-350 KCMIL, (2) 2-350KCMIL NEUT.	(2) 2	(2) 3"	

D1 COPPER FEEDER SCHEDULE

NONE

ALUMINUM FEEDER SCHEDULE

NOTE: ALL CONDUCTORS ARE ALUMINUM, TYPE THWN/THHN UNLESS OTHERWISE NOTED.

DESIGNATION	CONDUCTORS	GROUNDING CONDUCTOR(S)	CONDUIT	NOTES
THREE PHASE THREE WIRE & GROUND FEEDER				
50Δ	3#6	6	1"	
60Δ	3#4	6	1 1/4"	
70Δ	3#3	6	1 1/4"	
80Δ	3#2	2	1 1/4"	
90Δ	3#2	2	1 1/4"	
100Δ	3#1	2	1 1/2"	
125Δ	3#2/0	2	2"	
150Δ	3#3/0	2	2"	
175Δ	3#4/0	2	2 1/2"	
200Δ	3-250 KCMIL	2	2 1/2"	
THREE PHASE FOUR WIRE & GROUND FEEDER				
50Y	4#6	6	1"	
60Y	4#4	6	1 1/4"	
70Y	4#3	6	1 1/4"	
80Y	4#2	2	1 1/4"	
90Y	4#2	2	1 1/4"	
100Y	4#1	2	1 1/2"	
125Y	4#2/0	2	2"	
150Y	4#3/0	2	2"	
175Y	4#4/0	2	2 1/2"	
200Y	4-250 KCMIL	2	3"	
THREE PHASE FOUR WIRE 200% NEUTRAL & GROUND FEEDER				
100Y-E	3#1, 2#1 NEUTRAL	2	2"	
150Y-E	3#3/0, 2#3/0 NEUTRAL	2	2 1/2"	
225Y-E	3-300 KCMIL, 2-300 KCMIL NEUTRAL	2	3"	
350Y-E	(2) 3#4/0, (2) 2#4/0 NEUTRAL	(2) 1	(2) 2 1/2"	
400Y-E	(2) 3-250 KCMIL, (2) 2-250 KCMIL NEUTRAL	(2) 1	(2) 2 1/2"	
500Y-E	(2) 3-350 KCMIL (2) 2-350 KCMIL NEUTRAL	(2) 1/0	(2) 3"	

D2 ALUMINUM FEEDER SCHEDULE

NONE

FAULT CURRENT CALCULATIONS

Source DESCRIPTION

Fault Point	Equipment	SES Size (Amps)	XFMR Size (kVA)	XFMR mounting	Primary Voltage	Secondary Voltage	Phase	Xfmr FLA (Amps)	Xfmr Impedence (Ohms)	Xfmr Impedence adjusted value	Let-Thru Short Circuit Current	Manual input Let-Thru Short Circuit Current
SF	MSB	1200	500	PAD	12470	480	3	601		5.75		65000

Assumptions: 1) 600 Volt rated conductors/cables only

Value based on JMEZ available Fault

KNOWN FAULT INFORMATION						SECOND TRANSFORMER IN SYSTEM (DRY-TYPE)						FEEDER/BRANCH CIRCUIT CALCULATION									RESULT
Fault Point	Equipment	Source of Fault	Available Fault Current	Voltage	PHASE	XFMR Size (kVA)	Secondary Voltage	Xfmr Impedence (Ohms)	Xfmr Impedence (user input)	"I" factor	"M" factor	Conductor Type	Conductor Size	3 single conductor s?	Conduit Type	Number of sets	Length to fault	"C" value	"I" factor	"M" factor	Available Short Circuit Current at Fault
F1	MSB	UT1	65000	480	3							C	600	Y	P	3	72	28033	0.201	0.833	**54141**
F2	SDPH1	MSB	54141	480	3							C	600	Y	P	3	530	28033	1.230	0.448	**24281**
F3																					
F4	PRI-ST1K	SDPH1	24281	480	3							C	250	Y	S	1	30	16483	0.159	0.863	**20945**
F5	SEC-ST1K	PRI-ST1K	20945	480	3	75	208	1.00		2.32	0.301										**14551**
F6	SDK	SEC-ST1K	14551	208	3							C	250	Y	P	1	200	18594	1.302	0.434	**6322**
F7	PRI-ST1A	SDPH1	24281	480	3							C	600	Y	S	1	30	22965	0.114	0.897	**21790**
F8	SEC-ST1A	PRI-ST1A	21790	480	3	225	208	1.12		0.90	0.526										**26441**
F9	SDPL1	SEC-ST1A	26441	208	3							C	600	Y	S	2	30	22965	0.144	0.874	**23120**
F10	SM1A	SDPH1	24281	480	3							C	4/0	Y	S	1	30	15082	0.174	0.852	**20681**
F11	SM1B	SDPH1	24281	480	3							C	4/0	Y	P	1	200	16673	1.050	0.488	**11846**
F12	SH1B	SDPH1	24281	480	3							C	4/0	Y	P	1	200	16673	1.050	0.488	**11846**
F13	SL1A	SDPL1	23120	208	3							C	250	Y	S	1	200	16483	2.333	0.300	**6936**
F14	SL1B	SDPL1	23120	208	3							C	250	Y	P	1	200	18594	2.068	0.326	**7535**
F15	SDPM2	SDPH1	24281	480	3							C	600	Y	P	1	253	28033	0.790	0.559	**13566**
F16	SL1C	SDPL2	14389	208	3							C	500	Y	P	1	300	26706	1.344	0.427	**6138**
F17	PRI-ST2A	SDPM2	13566	480	3							C	1	Y	S	1	30	7293	0.201	0.833	**11295**
F18																					
F19	SEC-SDPL1	PRI-ST2A	11295	480	3	150	208	1.07		0.67	0.599										**15609**
F20	SDPL2	SEC-ST2A	15609	208	3							C	600	Y	S	2	30	22965	0.085	0.922	**14389**
F21	SL1V	SDPL2	14389	208	3							C	4/0	Y	S	1	260	15082	2.063	0.326	**4697**
F22	SL1H	SDPL2	14389	208	3							C	600	Y	S	1	345	22965	1.798	0.357	**5143**
F23	SL2A	SDPL2	14389	208	3							C	4/0	Y	S	1	30	15082	0.238	0.808	**11622**

D3 FAULT CURRENT CALCULATIONS

1" = 1'-0"

Electrical Service Calc.-DCS School - *Project #8226.*

Description of Load		Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting		47	100%	47	125%	59	1,2,3
Lighting Exterior		6	100%	6	125%	7	3
Receptacle		147	First 10KVA @ 100% Remnder over 10KVA @ 50%	79	100%	79	
Motor loads		295	100%	295	100%	295	
Non-continuous loads		59	100%	59	100%	59	
Kitchen Equipment		118	**6 and more @ 65%**	77	100%	77	
Subtotal of loads KVA		672		562		575	
				Future Capacity	**10%**	58	
					Total Service load KVA	633	
					Voltage of Service (480-3PH)	0.831	
				Total Service	**Ampacity**	761	

58,926 Sq. Ft.	.8 watts per square foot for lighting loads	=	47,141 **VA**
58,926 Sq. Ft.	.1 watts/square foot for Ext. LTG loads	=	5,893 **VA**
58,926 Sq. Ft.	2.5 watts per square foot for receptacle loads	=	147,315 **VA**
58,926 Sq. Ft.	5 watts per square foot for mechanical loads	=	294,630 **VA**
58,926 Sq. Ft.	1 watts/square foot for non-continuous loads	=	58,926 **VA**
58,926 Sq. Ft.	2 watts/square foot for kitchen loads	=	117,852 **VA**

NOTES

1. Meets required New Mexico State energy requirement. IECC required educational space watts/sq.ft. of 1.2.
2. Occupancy sensors were utilized through building for control to meet requirements of IECC.
3. A programmable system is also used for automatic control for energy savings.

D4 ELECTRICAL SERVICE CALCULATIONS

NONE

VOLTAGE DROP CALCULATIONS

Project: Dzilth-Na-O-Dith-Hle CS
Project No: 8226
Estimator: Joseph Montano
Calc by: Tacy Austin
Date: 8-Jun-20

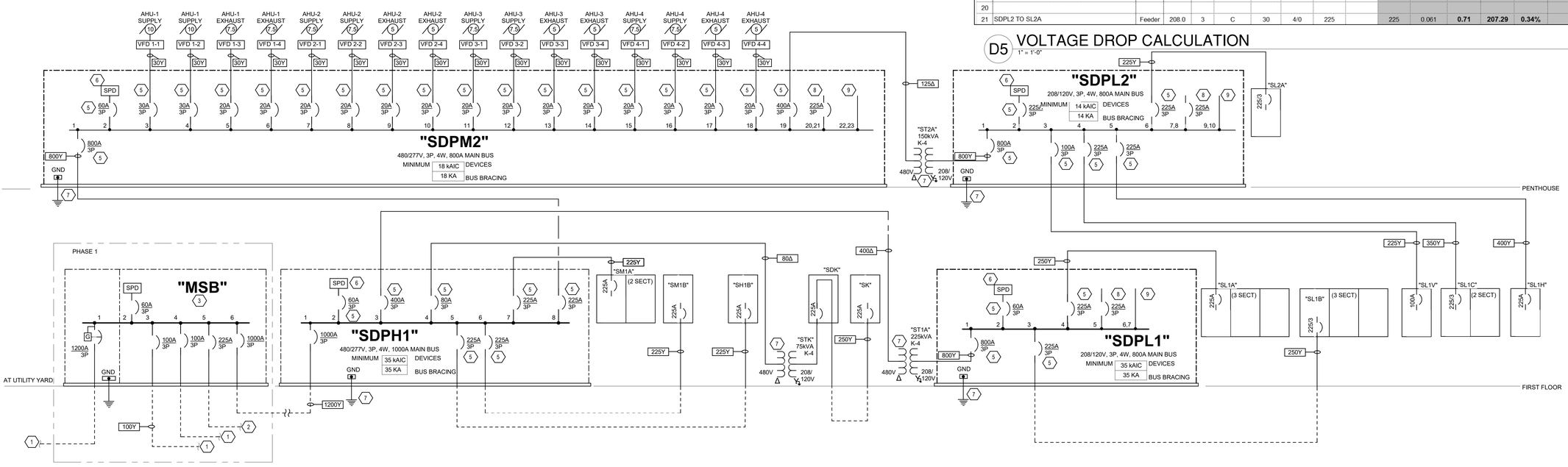
Maximum voltage drop for a Branch Circuit shall be less than 3% (NEC 210.19.A. FPN 4). start 277, end 271.64, % drop 1.94%
Maximum voltage drop for a Feeder shall be less than 3% (NEC 215.2. FPN 2).
Maximum combined voltage drop for a Feeder and Branch shall be less than 5%.

Source: 2017 NEC

Run	Feeder or Branch Circuit Run:	Type of Circuit	Voltage	Phase	Conductor Material	Length (ft)	Size	Load Current (Amps)	Qty Parallel Runs	Load on feeder	Resistance	Voltage Drop	End Voltage	% Voltage Drop Feeder	% Voltage Drop Branch
1	UT1 TO MSB	Feeder	480.0	3	C	72	600	1200	3	400	0.021	**1.07**	**478.93**	**0.22%**	
2	MSB TO SDPH1	Feeder	480.0	3	C	530	600	1200	3	400	0.021	**7.86**	**472.14**	**1.64%**	
3	MSB TO SHOP BLDG	Feeder	480.0	3	C	242	600	225	3	75	0.021	**0.67**	**479.33**	**0.14%**	
4															
5	SDPH1 TO SM1A	Feeder	480.0	3	C	30	4/0	225		225	0.061	**0.71**	**479.29**	**0.15%**	
6	SDPH1 TO SM1B	Feeder	480.0	3	C	200	4/0	225		225	0.061	**4.74**	**475.26**	**0.99%**	
7	SDPH1 TO SH1B	Feeder	480.0	3	C	200	4/0	225		225	0.061	**4.74**	**475.26**	**0.99%**	
8	SDPH1 TO STK	Feeder	480.0	3	C	30	4	80		80	0.308	**1.28**	**478.72**	**0.27%**	
9	STK TO SDK	Feeder	208.0	3	C	181	250	225		225	0.052	**3.63**	**204.37**	**1.75%**	
10	SDPH1 TO ST1A	Feeder	480.0	3	C	30	600	400		400	0.021	**0.44**	**479.56**	**0.09%**	
11	ST1A TO SDPL1	Feeder	208.0	3	C	30	600	800	2	400	0.021	**0.44**	**207.56**	**0.21%**	
12	SDPL1 TO SL1A	Feeder	208.0	3	C	200	250	225		225	0.052	**4.01**	**203.99**	**1.93%**	
13	SDPL1 TO SL1B	Feeder	208.0	3	C	200	250	225		225	0.052	**4.01**	**203.99**	**1.93%**	
14	SDPL2 TO SL1C	Feeder	208.0	3	C	300	500	225		225	0.026	**3.02**	**204.98**	**1.45%**	
15	SDPH1 TO SDPM2	Feeder	480.0	3	C	253	600	800		800	0.021	**7.50**	**472.50**	**1.56%**	
16	SDPM2 TO ST2A	Feeder	480.0	3	C	30					#N/A	**#N/A**	**#N/A**	**#N/A**	
17	ST2A TO SDPL2	Feeder	208.0	3	C	30	600	800	2	400	0.021	**0.44**	**207.56**	**0.21%**	
18	SDPL2 TO SL1V	Feeder	208.0	3	C	260	4/0	100		100	0.061	**2.74**	**205.26**	**1.32%**	
19	SDPL2 TO SL1H	Feeder	208.0	3	C	345	600	225		225	0.021	**2.88**	**205.12**	**1.38%**	
20															
21	SDPL2 TO SL2A	Feeder	208.0	3	C	30	4/0	225		225	0.061	**0.71**	**207.29**	**0.34%**	

D5 VOLTAGE DROP CALCULATION

1" = 1'-0"



A1 ELECTRICAL ONE LINE DIAGRAM- SCHOOL

1/8" = 1'-0"

GENERAL NOTES

A. PANELBOARD AIC RATINGS ARE INDICATED ON THE PANEL SCHEDULES.
B. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS.
C. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING EQUIPMENT AND INSTALLATION. NOT ALL INFORMATION IS SHOWN ON THIS DIAGRAM.
D. ALL PANELS WILL HAVE DOOR-IN-DOOR, EACH DOOR KEY LOCKABLE, ACCESSIBILITY FOR EACH PANEL.
E. CONTRACTOR WILL MEASURE AND TORQUE ALL PANEL FEEDERS, MEASURE RESISTANCE TO GROUND AT SERVICE GROUND AND PROVIDE WRITTEN DOCUMENTATION OF TEST RESULTS. CONTRACTOR WILL COORDINATE TIME SO THAT A SCHOOL REPRESENTATIVE IS PRESENT DURING TEST.
F. CONTRACTOR WILL LABEL ALL DISTRIBUTION EQUIPMENT PRIOR TO FINAL OBSERVATION WALK THROUGH.
G. REFER TO GROUNDING DIAGRAM ON SHEET E-602.
H. ALL ELECTRICAL EQUIPMENT DIRECTORIES WILL BE TYPED.
I. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

1. REFER TO SHEET ES-601 FOR CONTINUATION OF ELECTRICAL DISTRIBUTION.
2. REFER TO SHEET E-601D FOR CONTINUATION OF ELECTRICAL DISTRIBUTION IN THAT BUILDING.
3. REFER TO SHEET ES-601 FOR ADDITIONAL INFORMATION ON NEW MSB.
4. SOLID STATE, ELECTRONIC TRIP CIRCUIT BREAKER WITH LONGTIME, SHORT-TIME, INSTANATEOUS, AND GROUND FAULT PROTECTION FUNCTIONS. 100% RATED WITH ADJUSTABLE SETTINGS. PROVIDE WITH ENERGY REDUCTION MAINTENANCE SWITCH.
5. MOLDED CASE, THERMAL-MAGNETIC CIRCUIT BREAKERS WITH LOCKABLE CAPABILITIES.
6. SPD MOUNTED INTERNALLY TO SWITCHBOARD/PANELBOARD. REFERENCE SECTION 264313 FOR ADDITIONAL INFORMATION.
7. REFER TO SHEET E-602 FOR GROUNDING INFORMATION FOR THIS EQUIPMENT.
8. PROVIDE SPARE FOR TWO (2) ADDITIONAL CIRCUIT BREAKERS. SIZE AS INDICATED.
9. PROVIDE TWO (2) ADDITIONAL SPACES FOR FUTURE EXPANSION.

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

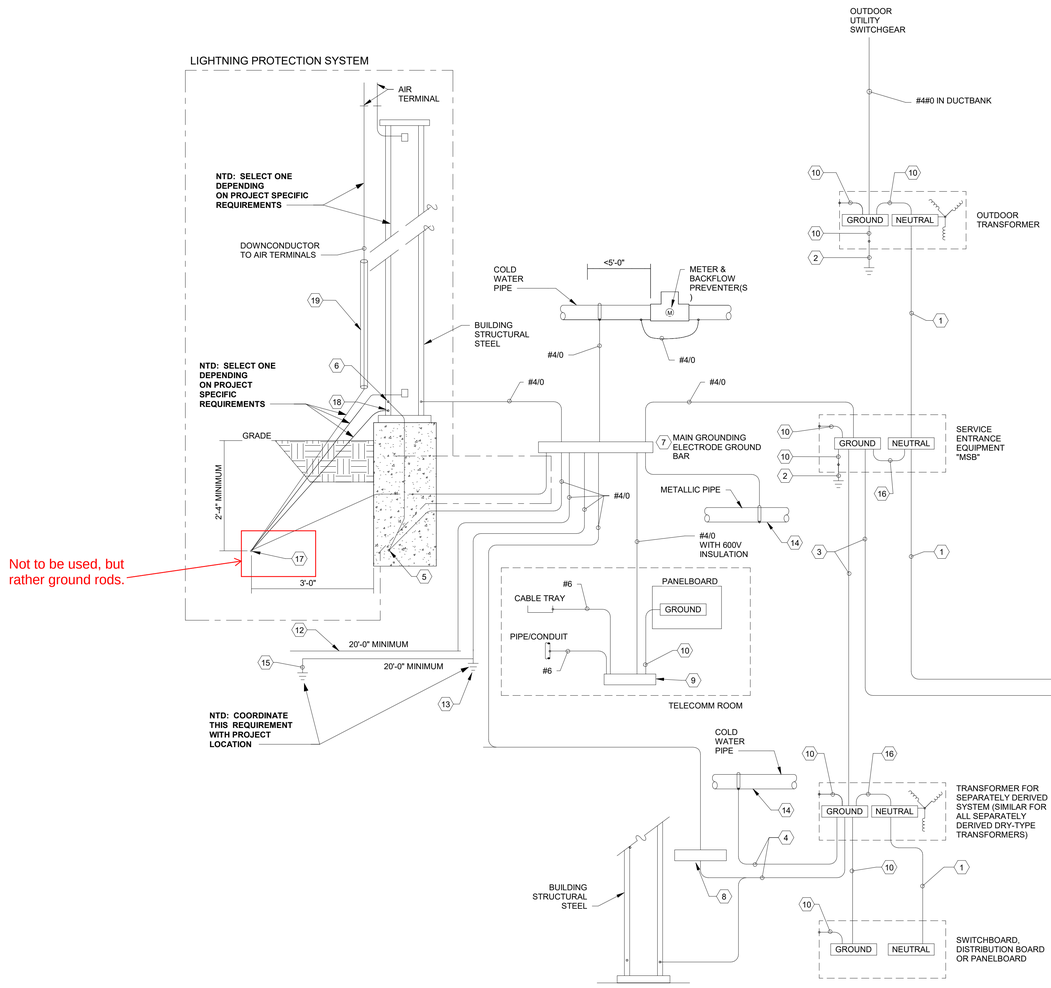
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM- SCHOOL

E-601



GROUNDING ELECTRODE CONDUCTOR SCHEDULE

NOTE: ALL CONDUCTORS ARE COPPER.

SIZE OF LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS. (AWG OR kCMIL)	SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG)
<= #2	8
#1 OR 1/0	6
2/0 OR 3/0	4
OVER 3/0 THROUGH 350	2
OVER 350 THROUGH 600	1/0
OVER 600 THROUGH 1100	2/0
OVER 1100	SEE KEYED NOTE 16

GENERAL NOTES

A. INSTALL GROUNDING CONNECTIONS TO BUILDING STRUCTURE AND WATER PIPES AT LOCATIONS THAT ARE VISIBLE AND ACCESSIBLE FOR INSPECTION, MAINTENANCE, AND TESTING.
B. INSTALL AN INSULATED THROAT GROUNDING BUSHING ON EACH METALLIC SERVICE ENTRANCE CONDUIT. BOND TO SERVICE ENTRANCE EQUIPMENT GROUND BUS USING NEC TABLE 250.102 (C)(1).
C. INSTALL AN INSULATED THROAT GROUNDING BUSHING ON EACH METALLIC FEEDER CONDUIT. BOND TO GROUND BUS USING CONDUCTOR THAT IS SIZED EQUAL TO EQUIPMENT GROUNDING CONDUCTOR.
D. BOND ELECTRICAL EQUIPMENT ENCLOSURES TO GROUND BAR USING SAME SIZE CONDUCTOR AS FEEDER EQUIPMENT GROUND CONDUCTOR OR FACTORY PROVIDED GREEN SCREW.
E. CLEAN COATED RE-BAR PRIOR TO PERFORMING ELECTRICAL CONNECTIONS.
F. COMPLY WITH NFPA 70, 2004 ED.

KEYNOTES

1. REFER TO ONE-LINE DIAGRAM AND FEEDER SCHEDULE FOR GROUNDED CONDUCTOR SIZE.
2. CONNECT GROUNDING ELECTRODE CONDUCTOR TO GROUND ROD.
3. FOR EQUIPMENT GROUNDING CONDUCTOR SIZE REFER TO ONE-LINE DIAGRAM AND FEEDER SCHEDULE.
4. PROVIDE GROUNDING ELECTRODE CONDUCTOR SIZE BASED ON THE CONDUCTOR SIZE OF THE SECONDARY OF THE TRANSFORMER. SIZE PER NEC 250.66 AND PER SCHEDULE ON THIS SHEET.
5. PROVIDE A CONCRETE-ENCASED MAIN GROUNDING ELECTRODE IN THE BUILDING FOUNDATION AROUND THE ENTIRE PERIMETER OF THE BUILDING. LOCATE ELECTRODE IN THE BOTTOM ONE-THIRD OF THE FOUNDATION WITH AT LEAST 3 INCHES OF CONCRETE COVER. USE EITHER #4/0 BARE COPPER CABLE OR #6 OR LARGER STEEL REINFORCING BARS MADE ELECTRICALLY CONTINUOUS USING EXOTHERMICALLY WELDED #4/0 JUMPERS.
6. BOND EACH PERIMETER STRUCTURAL STEEL COLUMN TO THE CONCRETE-ENCASED MAIN GROUNDING ELECTRODE. USE EXOTHERMIC WELDS.
7. PROVIDE A 1/4" X 4" X 12" "MAIN GROUNDING ELECTRODE GROUND BAR" FOR SINGLE POINT GROUNDING. LOCATE AT AN ACCESSIBLE POINT NEAR THE SERVICE ENTRANCE EQUIPMENT. MAKE OTHER CONNECTIONS TO THE GROUND BAR USING TWO-HOLE COMPRESSION SPADE LUGS THAT MEET IEEE 837 REQUIREMENTS. LABEL EACH CONNECTION.
8. USE THE "MAIN GROUNDING ELECTRODE GROUND BAR" INSTEAD OF BUILDING STRUCTURAL STEEL IF THE FIRST OVER CURRENT DEVICE FOR THE SEPARATELY DERIVED SYSTEM IS WITHIN SAME ROOM OF THE "MAIN GROUNDING ELECTRODE GROUND BAR".
9. INSTALL A 1/4" X 4" COPPER "TELECOMMUNICATIONS GROUNDING BUSBAR" IN EACH TELECOMMUNICATIONS ROOM. CONNECT CABLES TO THE "TELECOMMUNICATIONS GROUNDING BUSBAR" USING COMPRESSION SPADE LUGS. LABEL CONDUCTORS PER ANSI-J-STD-607-A. LABEL EACH CONNECTION. SEE PLAN FOR BAR LENGTH AND LOCATIONS.
10. BONDING JUMPER SIZED PER GROUNDING ELECTRODE CONDUCTOR SCHEDULE THIS SHEET.
11. BOND HOT WATER PIPE TO COLD WATER PIPE AT EACH WATER HEATER WITH A #8 BARE COPPER CONDUCTOR.
12. PROVIDE A GROUND RING PER NEC 250.52 A.4.
13. PROVIDE A GROUND ROD PER NEC 250.52 A.5
14. BOND ALL METALLIC PIPING SYTEMS WITHIN STRUCTURE.
15. PROVIDE A GROUNDING ELECTRODE SYSTEM PER 2014 NMEC.
16. MAIN BONDING JUMPER AND/OR SYSTEM BONDING JUMPER SIZE BASED ON UNGROUNDED CONDUCTOR SIZE AND GROUNDING ELECTRODE CONDUCTOR SCHEDULE ON THIS SHEET UNLESS UNGROUNDED CONDUCTOR SIZE OR EQUIVALENT IS GREATER THAN 1100 KCMIL. IF GREATER THAN 1100 KCMIL (OR 1750 KCMIL FOR ALUMINUM) SIZE JUMPER PER NEC TABLE 250.102 (C)(1)
17. LIGHTNING PROTECTION COUNTERPOISE - #4/0 BARE COPPER.
18. BOND EACH CORNER STRUCTURAL STEEL AND PERIMETER STRUCTURAL STEEL AT NO MORE THAN 50 FOOT SPACING TO THE LIGHTNING PROTECTION COUNTERPOISE.
19. COVER THE EXTERIOR LIGHTNING PROTECTION DOWN CONDUCTOR WITH NON-CONDUCTIVE MATERIAL FROM THE FINAL GRADE TO 8' ABOVE FINISHED FLOOR.

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OCTOBER 01, 2020

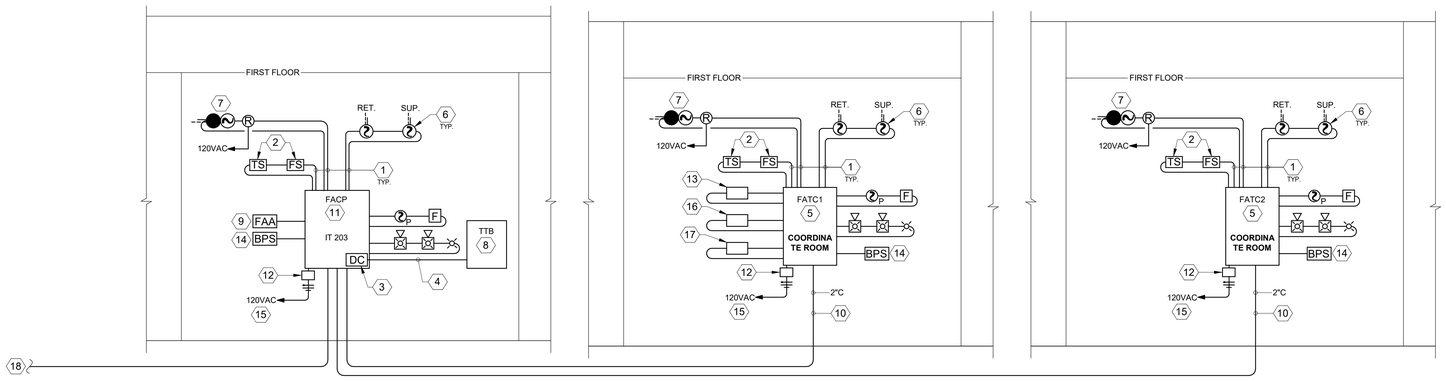
MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

GROUNDING DIAGRAM

E-602



1 FIRE ALARM RISER DIAGRAM

NO SCALE

GENERAL NOTES

A. FIRE ALARM DIAGRAM INDICATES GENERAL DIAGRAMMATIC CONNECTIONS ONLY. ALL CONNECTIONS AND INSTALLATION WILL BE PER FIRE ALARM SYSTEM MANUFACTURER'S SHOP DRAWINGS.
B. DEVICE QUANTITIES ARE NOT INDICATED ON THIS DRAWING. REFER TO "FA" SHEET SERIES FOR ADDITIONAL INFORMATION.
C. REFER TO SPECIFICATION SECTION 283111 FOR FIRE ALARM SYSTEM REQUIREMENTS.
D. FIRE ALARM WIRING AND CABLING SHALL BE IN CONFORMANCE WITH NEC AND TYPE SHALL BE AS RECOMMENDED BY FIRE ALARM SYSTEM MANUFACTURER.
E. SEAL ALL PENETRATIONS THROUGH WALLS, FLOOR, CEILINGS AND ROOF PER ARCHITECTURAL SPECIFIED REQUIREMENTS. SEAL WILL MATCH THE FIRE RATING OF EACH PENETRATION LOCATION.
F. COMPLY WITH NFPA 70, 2004 ED.

IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE FIRE ALARM SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A DESIGN/BUILD FIRE ALARM SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO ENSURE THAT THE FIRE ALARM SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE FIRE ALARM SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

ENTIRE FIRE ALARM SYSTEM WILL BE IN RACEWAYS; NO EXCEPTIONS!

KEYNOTES

1. MINIMUM 3/4" CONDUIT AND FIRE ALARM CABLING AS REQUIRED BY THE FIRE ALARM MANUFACTURER.
2. INDEPENDENTLY SUPERVISE EACH FLOW AND TAMPER SWITCH WITH AN ADDRESSABLE MODULE. REFER TO FIRE PROTECTION/ PLUMBING PLANS FOR EACH LOCATION.
3. DIGITAL COMMUNICATOR FOR CENTRAL STATION MONITORING.
4. CONDUIT AND COMMUNICATIONS CABLING FOR CENTRAL STATION REPORTING.
5. FIRE ALARM TERMINAL CABINETS (FATC) WILL BE FACTORY MANUFACTURED, UL LABELED PANELS. THE FATC WILL ENCLOSE ALL TERMINATIONS FOR DEVICES ON THE FLOOR OR AREA IT SERVES. INTELLIGENT CARDS AS REQUIRED OR INDEPENDENT OPERATION, POWER SUPPLIES AND STANDBY BATTERIES WILL BE PROVIDED AT EACH LOCATION.
6. DUCT SMOKE DETECTOR. FURNISHED BY DIVISION 28, INSTALLED IN DUCT BY DIVISION 23, CONNECTED, WIRED AND TESTED BY DIVISION 28. REFERENCE MECHANICAL CONTROL DIAGRAMS FOR MECHANICAL INTERCONNECTIONS. PROVIDE DUCT DETECTORS IN NEW AND EXISTING UNITS WHERE 2000CFM AND ABOVE EXIST. INSTALL PER CODE.
7. FIRE SMOKE DAMPER. ROUTE 120VAC VIA FIRE ALARM ADDRESSABLE RELAY.
8. TELEPHONE TERMINAL BOARD.
9. PROVIDE NEW ANNUNCIATOR PANEL IN VESTIBULE 100A OR AS DIRECTED BY FIRE MARSHALL. FIELD COORDINATE EXACT LOCATION.
10. PROVIDE RACEWAY PATH OVERHEAD OR UNDERGROUND TO FATC(S).
11. FIRE ALARM SYSTEM F.A.C.P.
12. PROVIDE SURGE PROTECTION FOR CIRCUIT TO FIRE ALARM PANEL.
13. REFER TO ES-101 FOR PIV LOCATIONS AND/OR HOT BOX LOCATIONS.
14. WHERE POWER SUPPLIES ARE INSTALLED OUTSIDE OF FACP/FATC, CONTRACTOR WILL PROVIDE 120V/20A STAND-BY POWER CIRCUIT TO UNITS FROM NEAREST PANEL. CONTRACTOR TO COORDINATE THIS REQUIREMENT WITH FIRE ALARM INSTALLER AT TIME OF SUBMITTALS TO VERIFY NEED.
15. REFER TO SHEET SERIES "EP" FOR CIRCUITS SERVING THIS SYSTEM.
16. REFER TO SHEET E-401 AND SHEET SERIES "FS" FOR KITCHEN HOOD FIRE SUPPRESSION REQUIREMENTS.
17. THE GYMNASIUM SOUND SYSTEM SHALL BE INTERLOCKED WITH THE FIRE ALARM SYSTEM TO SHUT DOWN THE LOCAL SOUND SYSTEM UPON FIRE ALARM ACTIVATION.
18. FOR DORMITORY FIRE ALARM PROTECTION SYSTEM, SEE SHEET E-603 ON THE DORMITORY PORTION.

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ISSUE:	
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DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL FIRE RISER DIAGRAM

E-603

School Information

Bridgers & Paxton Project No: 8226 10/1/2020 3:45:42 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerreraSSZMC.rvt

LUMINAIRE SCHEDULE NOTES:
1. MANUFACTURER'S CATALOG NUMBERS REPRESENT MANUFACTURER SERIES. SHOP DRAWING SUBMITTALS WILL INCLUDE ALL PART NUMBERS REPRESENTING ALL ITEMS OF THIS LUMINAIRE SCHEDULE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER LUMINAIRES TO INCLUDE ALL PARTS INDICATED ON SCHEDULE FOR EACH LUMINAIRE. SUBMITTAL WILL CALL OUT EACH PART CLEARLY.
2. LUMINAIRE REQUIRES MOUNTING COORDINATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. THIS LUMINAIRE MAY REQUIRE A HIGHER OR LOWER MOUNTING FROM THAT PROVIDED ON THIS SCHEDULE OR NOTES ON PLAN DUE TO ARCHITECTURAL REQUIREMENTS OR CONSTRUCTION CONDITIONS.
3. ALL LUMINAIRES ON THIS LUMINAIRE SCHEDULE ARE APPROVED FOR BID ON THIS PROJECT. IF A LUMINAIRE IS SUBMITTED THAT IS NOT ON THIS SCHEDULE, IT WILL BE REJECTED.
4. SHOULD ANY LUMINAIRE BE NOT AVAILABLE AT TIME OF SUBMITTAL, CONTRACTOR WILL USE ONE OF THE OTHER LUMINAIRES INDICATED IN EACH TYPE FOR REPLACEMENT. NO OTHERS WILL BE ACCEPTED.

ELECTRICAL LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	MOUNTING	LAMPS	BALLAST TYPE	EM. BAT. PK.	LENS	MANUFACTURER/MODEL	NOTES
F	SLIM, LOW PROFILE, FULLY GASKETED DIE CAST ENCLOSURE, IP65 WET LOCATION RATED, HIGH IMPACT UV RESISTANT POLYCARBONATE LENS, FULL CUT OFF. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	277 OR 120 MULTI TAP (UNV.)	EXTERIOR WALL SURFACE MOUNT AT 10'-0" AFF.	LED, 4000K, 30 MAX WATTS, 2900 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	IMPACT RESISTANT UV RESISTANT POLYCARBONATE	ECLIPSE LIGHTING #DK-E-M-30W-4K-EBU-XX LUMUX #DL300-2-120/277-4000K-XX TRACELITE #WLZ2-4-4K-XX LITHONIA# WDGE2 LED-P3-40K-80CRI-VF-MVOLT-SRM-XXX	1,2,3,4
FE	SLIM, LOW PROFILE, FULLY GASKETED DIE CAST ENCLOSURE, IP65 WET LOCATION RATED, HIGH IMPACT UV RESISTANT POLYCARBONATE LENS, FULL CUT OFF. INTEGRAL PHOTOCELL AND BATTERY BACKUP. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	277 OR 120 MULTI TAP (UNV.)	EXTERIOR WALL SURFACE MOUNT AT 10'-0" AFF.	LED, 4000K, 30 MAX WATTS, 2900 MINIMUM DELIVERED LUMENS	LED DRIVER	INTEGRAL UL924 NICAD BATTERY	IMPACT RESISTANT UV RESISTANT POLYCARBONATE	ECLIPSE LIGHTING #DK-E-M-30W-4K-EBU-XX LUMUX #DL300-2-120/277-4000K-XX TRACELITE #WLZ2-4-4K-XX LITHONIA # WDGE2 LED-P3-40K-80CRI-MVOLT-SRM-E10WH-XXX	1,2,3,4
L2S	8' LONG X 8.25"X 1.75", SQUARE HOUSING, INDIRECT 20/DIRECT 80, LED LUMINAIRE WITH METAL REFLECTOR, AND COLD-ROLLED STEEL HOUSING. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL REVIEW. FLAT ENDS.	277 OR 120 MULTI TAP (UNV.)	(T-GRID) ADJUSTABLE AIRCRAFT CABLE.	LED, 3500K, 100 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS PER 4FT SECTION	LED DRIVER 0-10V DIMMING	NONE	SOFTSHINE LENS	CORELITE #J2-W-L-3-L35-1-D-UNV-ACXX-ST-8'-STD-XX LEDALITE #7406-L-B-A-Q-G-08-7-UNV-E-X FINELITE #S16 LED ID-DCO-8'-2E-V-835-OPEN-20U80D-UNV-SC-FE PEERLESS #BRM9L-8FT-MSL8-80CRI-35K-ID1300LMF-20/80-DARK-ZT-UNV-SCT-XXXX	1,2,3
LC	6'-6" LENGTH CORNER LED STRIP LIGHT WITH ANGLED HOUSING TO BE INSTALLED IN LIGHT SOFFIT FOR GLOW AFFECT TO BE SEEN FROM CORRIDOR. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	REFER TO ARCHITECT'S LIGHT SHELF DETAILS D5 ON SHEET A-120.	LED, 3500K, 3.5 MAX WATTS PER FOOT, 250 MINIMUM DELIVERED LUMENS PER FOOT	LED DRIVER	NONE	STANDARD FROSTED LENS	CORE#ALU-CN-78-CL-LSM-30-XX	1,3,4
N2R3	RECESSED ALUMINUM 12 FT LINEAR STATIC WHITE LED LUMINAIRE. EXTRA DIFFUSE LENS. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	RECESSED IN SLOT CEILING AT CORNER OF CEILING AND WALL	LED, 3500K, 6 MAX WATTS PER FOOT, 500 MINIMUM DELIVERED LUMENS PER FOOT	LED DRIVER 0-10V DIMMING TO 1%	NONE	FROSTED HIGH-IMPACT ACRYLIC (EXTRA DIFFUSE)	NEO-RAY #EX2-A-N-35-X-WA-U-OL2-1-W PINNACLE # EV2D-A-835-12'-XX-U-OL2-1-0-X LUMENWERX #VIA2WD-ARO2-LED-80-500-35-LENGTH-UNV-D1-1-DMB-FINISH MARK#S2LWD-LLP-XFT-XX-80CRI-35K-800LMF-MIN1-MVOLT-XXX-ZT-DPL	1,3,4
N3P1	EXTRUDED ALUMINUM 3.5" WIDE x 4'-0" LENGTH PENDANT MOUNTED LINEAR STATIC WHITE LED LUMINAIRE. EXTRA DIFFUSE LENS. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	ADJUSTABLE AIRCRAFT CABLE SO THAT BOTTOM OF LUMINAIRE IS 9'-10" UNLESS NOTED OTHERWISE ON LIGHTING PLANS.	LED, 3500K, 59 MAX WATTS, 1000 MINIMUM DELIVERED LUMENS PER FOOT	LED DRIVER	NONE	FROSTED HIGH-IMPACT ACRYLIC (EXTRA DIFFUSE)	NEO-RAY #S123-DP-2-35-SC-ST-4'-1-D-U-DD-1-XX PINNACLE #EX3D-A-N-35VHO-4'-ACST-U-OL1-1-XX LUMENWERX #VIA3PD-HLO-LED-80-1000-35-4FT-UNV-D1-1-XXX-XX ALW #LP3.5SD-4'-HI/3500K-0/10V/0%-EXT/F-XX-UNV	1,3,4
N3S1	EXTRUDED ALUMINUM 3.5" WIDE x 4'-0" LENGTH SURFACE MOUNTED LINEAR STATIC WHITE LED LUMINAIRE. WET RATED. EXTRA DIFFUSE LENS. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	SIDE SURFACE MOUNTED SO THAT BOTTOM OF LUMINAIRE IS FLUSH WITH BOTTOM OF BEAM.	LED, 3500K, 40 MAX WATTS, 3200 MINIMUM DELIVERED LUMENS.	LED DRIVER	NONE	FROSTED HIGH-IMPACT ACRYLIC (EXTRA DIFFUSE)	PINNACLE #EX3-WET-N-835HO-4'-IND-WAS-U-DD-1-XX	1,3,4
NP1X	3 FOOT HEXAGON SHAPED LUMINAIRE ENERGY EFFICIENT WHITE LED LUMINAIRE. LINEAR DIRECT WITH DIFFUSING LENS. EXTRUDED ALUMINUM HOUSING. FORMED STEEL GEAR TRAY. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	STEM MOUNT FROM STRUCTURE SO THAT LUMINAIRE IS AT 11'-6" ABOVE FINISHED FLOOR.	LED, 4000K, 50 MAX WATTS, 3600 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	WHITE ACRYLIC	CORONET #HEX 3-40-LTG2-UNV-DB	1,3,4
NP2X	4 FOOT HEXAGON SHAPED LUMINAIRE ENERGY EFFICIENT WHITE LED LUMINAIRE. LINEAR DIRECT WITH DIFFUSING LENS. EXTRUDED ALUMINUM HOUSING. FORMED STEEL GEAR TRAY. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	277 OR 120 MULTI TAP (UNV.)	STEM MOUNT FROM STRUCTURE SO THAT LUMINAIRE IS AT 12'-0" ABOVE FINISHED FLOOR.	LED, 4000K, 70 MAX WATTS, 5400 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	WHITE ACRYLIC	CORONET #HEX 4-40-LTG2-UNV-DB	1,3,4
S3	SINGLE MOUNT ARCHITECTURAL AREA LIGHT. TYPE III OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	480 V	16'-0" SQUARE POLE	LED, 4000K, 136 MAX WATTS, 11,000 MINUMUM DELIVERED LUMENS	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #VLL-LED-III-M-80-525-NW-1-XX LITHONIA #RSX1 LED-P3-40K-R3-MVOLT-SPA-XXX-XXX SSS-16'-4C-DM19AS-XXX GARDCO #ECF-S-32L-1A-NW-3-UNV / HAPCO #SSS16B4 HUBBELL #ASL-A-16L-4K-210-3-U	1,3,4
S4	SINGLE MOUNT ARCHITECTURAL AREA LIGHT. TYPE IV OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	480 V	16'-0" SQUARE POLE	LED, 4000K, 136 MAX WATTS, 11,000 MINUMUM DELIVERED LUMENS	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #VLL-LED-IV-M-80-525-NW-1-XX LITHONIA #RSX1 LED-P3-40K-R4-MVOLT-SPA-XXX-XXX SSS-16'-4C-DM19AS-XXX GARDCO #ECF-S-32L-1A-NW-4-UNV /HAPCO #SSS16B4 HUBBELL #ASL-A-16L-4K-210-4-U	1,3,4
S5	SINGLE MOUNT ARCHITECTURAL AREA LIGHT. TYPE V OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	480 V	16'-0" SQUARE POLE	LED, 4000K, 136 MAX WATTS, 11,000 MINUMUM DELIVERED LUMENS	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #VLL-LED-V-M-80-525-NW-1-XX LITHONIA #RSX1 LED-P3-40K-R5-MVOLT-SPA-XXX-XXX SSS-16'-4C-DM19AS-XXX GARDCO #ECF-S-32L-1A-NW-5-UNV /HAPCO #SSS16B4 HUBBELL #ASL-A-16L-4K-210-5-U	1,3,4
S5D	DUAL MOUNT ARCHITECTURAL AREA LIGHT. TYPE V OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B4 U2 G2 OR BETTER.	480 V	16'-0" SQUARE POLE	LED, 4000K, 272 MAX WATTS TOTAL, 11,000 MINUMUM DELIVERED LUMENS PER HEAD	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #(2)VLL-LED-V-M-80-525-NW-1-XX LITHONIA #(2)RSX1 LED-P3-40K-R5-MVOLT-SPA-XXX-XXX SSS-16'-4C-DM19AS-XXX GARDCO #(2)ECF-S-32L-1A-NW-5-UNV /HAPCO #SSS16B4 HUBBELL #(2)ASL-A-16L-4K-210-5-U	1,3,4
T	ARCHITECTURAL STYLE STAGE LIGHT WITH HIGH PERFORMANCE ENERGY EFFICIENT LED LUMINAIRE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBLITTAL OF LUMINAIRES.	120 V	REFER TO SHEET SERIES "EL" FOR MOUNTING HEIGHT	LED 3500K, 35 MAX WATTS, 2000 DELIVERED LUMENS.	LED DRIVER 0-10V DIMMING TO 1%	NONE	NONE	TIMESQUARE#MCR-20-80-35-XX-120-XX-CMA-010 SPECTRUM #SARCXT-20L-35K-X-DO10X-X-FINISH WAC LIGHTING# MO1023-XX-835-XX	1,3,4

LUMINAIRE SCHEDULE NOTES:
1. MANUFACTURER'S CATALOG NUMBERS REPRESENT MANUFACTURER SERIES. SHOP DRAWING SUBMITTALS WILL INCLUDE ALL PART NUMBERS REPRESENTING ALL ITEMS OF THIS LUMINAIRE SCHEDULE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER LUMINAIRES TO INCLUDE ALL PARTS INDICATED ON SCHEDULE FOR EACH LUMINAIRE. SUBMITTAL WILL CALL OUT EACH PART CLEARLY.
2. LUMINAIRE REQUIRES MOUNTING COORDINATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. THIS LUMINAIRE MAY REQUIRE A HIGHER OR LOWER MOUNTING FROM THAT PROVIDED ON THIS SCHEDULE OR NOTES ON PLAN DUE TO ARCHITECTURAL REQUIREMENTS OR CONSTRUCTION CONDITIONS.
3. ALL LUMINAIRES ON THIS LUMINAIRE SCHEDULE ARE APPROVED FOR BID ON THIS PROJECT. IF A LUMINAIRE IS SUBMITTED THAT IS NOT ON THIS SCHEDULE, IT WILL BE REJECTED.
4. SHOULD ANY LUMINAIRE BE NOT AVAILABLE AT TIME OF SUBMITTAL, CONTRACTOR WILL USE ONE OF THE OTHER LUMINAIRES INDICATED IN EACH TYPE FOR REPLACEMENT. NO OTHERS WILL BE ACCEPTED.

ELECTRICAL LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	MOUNTING	LAMPS	BALLAST TYPE	EM. BAT. PK.	LENS	MANUFACTURER/MODEL	NOTES
A1F	1' x 4' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE. RECESSED, LOW PROFILE.	277 OR 120 MULTI TAP (UNV.)	RECESSED GYP. BOARD	LED, 3500K, 40 MAX WATTS, 3900 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	WHITE ACRYLIC	DAY-BRITE #1-FXP-45L-835-4-DS-UNV-DIM-FMA14 LITHONIA #EPANL 1X4-4000LM-80CRI-35K-MIN10-ZT-MVOLT-DGA14 CREE #FP14-40L-35K-10V-DGA14-WHT METALUX #14FP4235C-DF-14W-U	1,3,4
A2	2' x 2' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE. RECESSED, LOW PROFILE.	277 OR 120 MULTI TAP (UNV.)	RECESSED T-BAR	LED, 3500K, 34 MAX WATTS, 3400 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	WHITE ACRYLIC	DAY-BRITE #2-FXP-38L-835-2-DS-UNV-DIM LITHONIA #EPANL 2X2-3400LM-80CRI-35K-MIN10-ZT-MVOLT RAB #EZPAN-2X2-30YN/D10 CREE #FP22-34L-35K-10V METALUX #22FP3235C	1,3,4
A4	2' x 4' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE. FLAT PANEL, VERY LOW PROFILE.	277 OR 120 MULTI TAP (UNV.)	RECESSED T-BAR	LED, 4000K, 50 MAX WATTS, 3700 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	WHITE ACRYLIC	DAYBRITE # 2FXP-38L-835-4-DS-UNV-DIM LITHONIA EPANL 2X4 3800LM 80CRI 40K MIN10 ZT MVOLT	1,3,4
B	4' GENERAL PURPOSE LED STRIP FIXTURE, DIE FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, WITH DIFFUSING LENS.	277 OR 120 MULTI TAP (UNV.)	WALL MOUNTED AT 8'-0" AFF OR SURFACE MOUNTED TO CEILING OR STEM MOUNTED SO BOTTOM OF FIXTURE IS AT 10'-0".	LED, 3500K, 50 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	FROSTED ACRYLIC	DAY-BRITE #FSS-4-55L-835-UNV-DIM LITHONIA #ZL1N-L48-5000LM-FST-MVOLT-35K 80CRI-WH COLUMBIA #LCL4-35-ML-EDU METALUX #4SNLED-LD5-47SL-LW-UNV-L835-CD1-U	1,2,3,4
BR	4' LINEAR ROUND ADJUSTABLE LED. ARCHITECTUAL HIGH EFFIENCY COMPACT HOUSING	277 OR 120 MULTI TAP (UNV.)	SURFACE WALL MOUNTED AS DIRECTED BY ARCHITECTURAL ELEVATIONS	LED, 3500K, 57 MAX WATTS, 4896 DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	CLEAR ACRYLIC	PINNACLE# M-WHE-835VHO-4-WHXX-U-OLS-1 LUMENWERX#AXLWAD-APO-LED-80-1200-35-4'-UNV-D5-1-X-X-FINISH LITHONIA # LDN4-35/15-LO4AR-LSS-MVOLT-GZ10 AMETRIX # ASYX-X-L4-X-U-F-L40-1-UNV-X-X	1,3,4
BT	2' x 4' HIGH IMPACT LED HIGH ENERGY EFFICIENT MULTI-PURPOSE GYMNASIUM LUMINAIRE. LOW PROFILE WITH WIDE DISTRIBUTION.	277 OR 120 MULTI TAP (UNV.)	STEM MOUNTED AT 23'-0" AFF AND PARALLEL TO FLOOR.	LED, 4000K, 249 MAX WATTS, 23,000 MINIMUM DELIVERED LUMENS	0-10V DIMMABLE LED DRIVER	NONE	HIGH IMPACT POLYCARBONATE OR ACRYLIC LENS	LSI #LHBXD14-30L-SDFL-UNV-DIM-40 LITHONIA #IBH-24000LM-SD080-MD-MVOLT-0Z10-40K-80CRI COLUMBIA #LXEM4-35LW-RFP-EDU METALUX #HBLED-LD3-24-W-POLY125/WG-UNV-L840-CD3	1,2,3,4
BV	4' EXTREME ENVIRONMENT LED HIGH ENERGY EFFICIENT LOW PROFILE ENCLOSED LUMINAIRE. INDOOR /OUTDOOR VANDAL RESISTANT.	277 OR 120 MULTI TAP (UNV.)	WALL MOUNTED AT 8'-6" AFF OR SURFACE MOUNTED TO CEILING OR STEM MOUNTED SO BOTTOM OF FIXTURE IS AT 8'-2".	LED, 3500K, 39 MAX WATTS, 4300 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	POLYCARBONATE LENS	DAY-BRITE #DWPE-43L-835-4-UNV LITHONIA #FEM-L48-4000LM-IMAFL-MD-MVOLT-GZ10-35K-80CRI COLUMBIA #LXEM4-35LW-RFP-EDU METALUX #4VT2-LD4-4-DR-UNV-L835-CD1-WL-U	1,2,3,4
C6	6" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED. HIGH ENERGY EFFICIENT.	277 OR 120 MULTI TAP (UNV.)	RECESSED CEILING	LED, 3500K, 20 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	FROSTED GLASS LENS	LIGHTOLIER# 6RN/P6R-DL-15-835-CD-Z10-U LDN6 35/15 LO6AR LSS MVOLT GZ10 WL	1,3,4
C6E	6" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED. HIGH ENERGY EFFICIENT.	277 OR 120 MULTI TAP (UNV.)	RECESSED CEILING	LED, 3500K, 20 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	INTEGRAL UL924 NiCAD BATTERY	FROSTED GLASS LENS	LIGHTOLIER# 6RNEM/P6R-DL-15-835-CD-Z10-U LDN6 35/15 LO6AR LSS MVOLT GZ10 WL	1,3,4
E1	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (SINGLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS). MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE. WITH SELF-CONTAINED, NICKEL-CADMIUM EMERGENCY BATTERY PACK.	277 OR 120 MULTI TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6"AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	BRUSHED ALUMINUM FACE	EVENLITE #CCDS-EM-G-1-AB LITHONIA #LE-S-1-G-ELN DUALLITE #SE-S-G-BNE SURE-LITES #CX7-1-G	1,2
E2	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (DOUBLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS). MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE. WITH SELF-CONTAINED, NICKEL-CADMIUM EMERGENCY BATTERY PACK.	277 OR 120 MULTI TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6"AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	BRUSHED ALUMINUM FACE	EVENLITE #CCDS-EM-G-1-AB LITHONIA #LE-S-1-G-ELN DUALLITE #SE-S-G-BNE SURE-LITES #CX7-1-G	
EG	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (SINGLE OR DOUBLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS). MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE. WITH SELF-CONTAINED EMERGENCY BATTERY PACK. HIGH IMPACT GUARD SHIELD PROTECTION.	277 OR 120 MULTI TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6"AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	BRUSHED ALUMINUM FACE	SURE-LITES #CX7-1-G-VS1 EVENLITE #CCDS-EM-G-1-AB-PC1 DUALLITE #SE-S-G-BNE-VTR LITHONIA #LE-S-1-G-ELN-VR	1,2,3,4
EM	CONTEMPORARY, LOW PROFILE EMERGENCY BATTERY PACK FIXTURE WITH AN INJECTED MOLDED, HIGH IMPACT, UV STABILIZED THERMOPLASTIC HOUSING, 6 V LEAD CALCIUM BATTERY, ADA COMPLIANT, ADJUSTABLE LAMP SOCKETS, SHORT CIRCUIT AND BROWNOUT PROTECTION.	277 OR 120 MULTI TAP (UNV.)	SURFACE 7'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	(2) TWO LED, 4 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	ACRYLIC FRESNAL	SURELITE #LEM2 EVENLITE #TCL-2-W DUALLITE #EV-2 LITHONIA #ELM2-LED	1,2,3,4
EMG	CONTEMPORARY, LOW PROFILE EMERGENCY BATTERY PACK FIXTURE WITH AN INJECTED MOLDED, HIGH IMPACT, UV STABILIZED THERMOPLASTIC HOUSING, 6 V LEAD CALCIUM BATTERY, ADA COMPLIANT, ADJUSTABLE LAMP SOCKETS, SHORT CIRCUIT AND BROWNOUT PROTECTION. 9-GUAGE STEEL ROD WIRE GUARD PROTECTION.	277 OR 120 MULTI-TAP (UNV.)	SURFACE 7'-6" AFF OR AS DIRECTED BY ARCHITECT	(2) TWO LED, 4 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	ACRYLIC FRESNAL WITH WIRE GUARD	SURELITE #LEM2-WG EVENLITE #TCL-2-W-TCLWG DUALLITE #EV-2-WGA1 LITHONIA #ELM2-LED-ELAWG1	1,2,3,4

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL SCHEDULES

E-701

School Information

ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT SCHEDULE NOTES:

A. STARTER, CONTROL SYSTEM AND DISCONNECTING MEANS FOR UNIT WILL BE PROVIDED BY DIVISION 23. CONTRACTOR WILL HAVE ONE POINT OF ELECTRICAL CONNECTION. FOR VFD OR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET SERIES M-700.

B. RACEWAY SYSTEM AND CONDUCTORS FOR CONTROLS WILL BE PROVIDED BY DIVISION 26 UNLESS SPECIFICALLY CALLED OUT TO BE PROVIDED BY OTHER SECTIONS OF THESE DOCUMENTS. REFER TO SHEET SERIES "M" FOR CONTROL DIAGRAMS AND ALSO REFER TO SPECIFICATION SECTION 230549.

C. SIZE FUSES PER MANUFACTURER'S RECOMMENDATIONS OR A MINIMUM OF 1.25% OF UNIT FLA.

D. STARTER, CONTROL SYSTEM FOR UNIT WILL BE PROVIDED BY DIVISION 23. CONTRACTOR WILL PROVIDE DISCONNECTING MEANS AND HAVE ONE POINT OF ELECTRICAL CONNECTION. FOR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET SERIES M-700.

E. CONTRACTOR WILL HAVE DIV 28 PROVIDE DUCT DETECTORS FOR UNIT'S SUPPLY AND RETURN SECTIONS AS REQUIRED, INSTALLED BY DIVISION 23. WIRED AND CONNECTED BY DIVISION 26/28. CONTROL WIRING BY DIVISION 23.

ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT NUMBER	EQUIPMENT DESCRIPTION	VOLTAGE	PHASE	BRANCH CIRCUIT CONDUCTOR DESCRIPTION	CONDUIT SIZE	MOTOR STARTER CHRACTERISTICS							DISCONNECT SWITCH CHARACTERISTICS					
						STARTER TYPE	STARTER SIZE	OFF/AUTO OR HOA	PILOT LIGHT		EXTRA CONTACTS		VOLTS	FRAME AMPS	FUSE SIZE	SOLID NEUT. / GND LUG	NEMA RATING	KEY NOTE
									RED	GREEN	NO	NC						
ACU-1 / FC-1	SPLIT SYSTEM	208 V	1	3#10 & 1#10 GND	3/4"								250 V	30	C	YES	3R / 1	B,D
ACU-1 / FC-1	SPLIT SYSTEM	208 V	1	3#10 & 1#10 GND	3/4"								250 V	30	C	YES	3R / 1	B,D
ACU-2 / FC-2	SPLIT SYSTEM	208 V	1	3#10 & 1#10 GND	3/4"								250 V	30	C	YES	3R / 1	B,D
CEF-3	EXHAUST FAN	277 V	1										600					
CU-1	CONDENSING UNIT	480 V	3															A,B
CU-2	CONDENSING UNIT	480 V	3	4#4 &1#8 GND	1-1/4"													A,B
CU-3	CONDENSING UNIT	480 V	3	4#4 &1#8 GND	1-1/4"													A,B
CU-4	CONDENSING UNIT	480 V	3	4#4 &1#8 GND	1-1/4"													A,B
CU-5	CONDENSING UNIT	480 V	3															
EUH-1	ELECTRIC UNIT HEATER	208 V	1	3 #8 & #10 GND	1"								250 V		50		1	B,D
EUH-2	ELECTRIC UNIT HEATER	208 V	1	3 #8 & #10 GND	1"								250 V		35		3R	B,D
EUH-3	ELECTRIC UNIT HEATER	208 V	1	3 #8 & #10 GND	1"								250 V		50		1	B,D
EUH-4	ELECTRIC UNIT HEATER	208 V	1	3 #8 & #10 GND	1"								250 V		50		1	B,D
EUH-5	ELECTRIC UNIT HEATER	208 V	1	3 #8 & #10 GND	1"								250 V		50		1	B,D
MAU-1	MAKE-UP AIR UNIT	480 V	3															A,B,E
MAU-1	MAKE-UP AIR UNIT	208 V	3															A,B,E
P-1	PUMP	480 V	3	4#10 & 1#10 GND	3/4"								600	30	C	YES	1	B
P-2	PUMP	480 V	3	4#10 & 1#10 GND	3/4"								600	30	C	YES	1	B
P-3 / VFD-1	PUMP	480 V	3															B
P-4 / VFD-2	PUMP	480 V	3															B
RTU-1	ROOFTOP UNIT	480 V	3															A,B
VFD-AHU-1-1	AHU-1 SUPPLY FAN VFD	480 V	3															A,B,E
VFD-AHU-1-2	AHU-1 SUPPLY FAN VFD	480 V	3															A,B,E
VFD-AHU-1-3	AHU-1 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-1-4	AHU-1 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-2-1	AHU-2 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-2-2	AHU-2 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-2-3	AHU-2 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-2-4	AHU-2 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-3-1	AHU-3 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-3-2	AHU-3 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-3-3	AHU-3 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-3-4	AHU-3 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-4-1	AHU-4 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-4-2	AHU-4 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-4-3	AHU-4 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-4-4	AHU-4 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-5-1	AHU-5 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-5-2	AHU-5 SUPPLY FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-5-3	AHU-5 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E
VFD-AHU-5-4	AHU-5 RETURN FAN VFD	480 V	3	4#10 & 1#10 GND	3/4"													A,B,E

LIGHTING SEQUENCE OF OPERATTION

A. CLASSROOMS:
1. UNOCCUPIED MODE:
   WHEN ROOM IS UNOCCUPIED, ALL LIGHTING IN ROOM SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
2. OCCUPIED MODE:
   a. LIGHTING CONTROL IN ROOM WILL BE ENABLED BY PUSHBUTTON SWITCHES AT ENTRY IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
   b. DURING OCCUPANCY, A BUTTON SWITCH QUANTITY OF SWITCH AS NEEDED, WILL PROVIDE THE FOLLOWING CONTROL:
      - ONE BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM TO 50% LUMEN OUTPUT. LABEL BUTTON "A"
      - ONE BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM TO 100% LUMEN OUTPUT. LABEL BUTTON "B".
      - ONE BUTTON WILL BE PROGRAMMED FOR A/V MODE WITH "FRONT" OF CLASS LUMINAIRES TURNED OF AND "BACK" OF CLASS LUMINAIRES PROGRAMMED TO 50% LUMEN OUTPUT. LABEL BUTTON "C".
      - ONE BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF. LABEL BUTTON "D".
      - ONE BUTTON WILL CONTROL LUMINAIRES IN DAYLIGHT ZONE UP TO 50%.
3. DAYLIGHT SENSORS WILL BE PROVIDED IN DESIGNATED DAYLIGHT ZONES SO THAT IF THE DAYLIGHT SENSORS SENSE 40FC OR HIGHER IN ROOM ALL LIGHTING WILL BE OFF UNLESS USER PUSHES ANOTHER BUTTON TO OVERRIDE DAYLIGHT CONTROL.
4. WHEN PERSONNEL LEAVE, THE ROOM VACANCY SENSOR WILL BE PROGRAMMED TO TURN OFF ALL LUMINAIRES IN ROOM AUTOMATICALLY AFTER A SET TIME PERIOD. SET TIME WILL BE PER OWNER'S DESIRED TIME. A MINIMUM FACTORY SETTING WILL BE APPLIED IF NO OWNER INPUT IS PROVIDED AT TIME OF PROGRAMING IN FIELD. SYSTEM WILL RESET TO UNOCCUPIED MODE.
5. CONTRACTOR WILL PROVIDE AN ENGRAVED PLACARD ADJACENT TO SWITCH. PLACARD WILL BE SAME SIZE AS STANDARD SWITCH COVER PLATE. PLACARD WILL INDICATE THE FOLLOWING PER EACH BUTTON:
   A= 50% LIGHTING
   B= 100% LIGHTING
   C=A/V MODE
   D=DAYLIGHT ZONE 50%
   E=ALL OFF
6. PROVIDE THE FOLLOWING WATT STOPPER DLM SYSTEM DEVICES IN ROOM:
   A . ROOM CONTROLLER SERIES LMRC RATED FOR PROGRAMMED CONTROL/POWER.
   B. DUAL TECHNOLOGY VACANCY SENSOR SERIES LMDC.
   C. NECESSARY QUANTITIES OF BUTTONS. SINGLE OUTLET DIGITAL WALL SWITCH SERIES LMSW.
   D. DAYLIGHT SENSOR FOR SYSTEM.

B. OFFICES, RECEPTION:
1. UNOCCUPIED MODE:
   WHEN ROOM IS UNOCCUPIED, ALL LIGHTING IN ROOM SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
2. OCCUPIED MODE:
   a. LIGHTING CONTROL IN ROOM WILL BE ENABLED BY PUSH BUTTON SWITCHES AT ENTRY TO ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
   b. DURING OCCUPANCY A SINGLE DIMMING ON/OFF SWITCH WILL CONTROL ALL LUMINAIRES IN ROOM:
3. DAYLIGHT SENSORS WILL BE PROVIDED IN DESIGNATED DAYLIGHT ZONES SO THAT IF THE DAYLIGHT SENSORS SENSE 40FC OR HIGHER IN ROOM ALL LIGHTING WILL BE OFF UNLESS USER PUSHES ANOTHER BUTTON TO OVERRIDE DAYLIGHT CONTROL.
4. WHEN PERSONNEL LEAVE THE ROOM THEY CAN EITHER TURN LIGHTS OFF WITH SWITCH OR VACANCY SENSOR WILL BE PROGRAMMED TO TURN OFF ALL LUMINAIRES IN ROOM AUTOMATICALLY AFTER SET PERIOD OF TIME SET BY OWNER. AT A MINIMUM FACTORY SETTINGS WILL BE APPLIED IF NO OWNER INPUT IS PROVIDED AT TIME OF PROGRAMMING IN FIELD. SYSTEM WILL RESET TO UNOCCUPIED MODE.
5. PROVIDE THE FOLLOWING WATTSTOPPER DLM SYSTEM DEVICES IN ROOM.
   a. ROOM CONTROLLER SERVES LMRC RATED FOR PROGRAMMING CONTROL.
   b. DUAL TECHNOLOGY VACANCY SENSOR SERIES LMDC.
   c. SINGLE OUTLET ON/OFF DIMMING DIGITAL SWITCH SERIES LMDM.
   d. DAYLIGHT SENSOR FOR SYSTEM.

C. FACULTY, LOUNGE/WORKROOM, GROUP STUDY, RECEPTION COVE, ENTRY LOBBY.
1. UNOCCUPIED MODE:
   WHEN ROOM IS UNOCCUPIED, ALL LIGHTING IN ROOM WILL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
2. OCCUPIED MODE:
   a. LIGHTING CONTROL IN ROOM WILL BE ENABLED BY PUSH BUTTON SWITCHES AT ENTRY TO ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
   b. DURING OCCUPANCY, A SINGLE OUTLET, SENSOR/DIMMING/ON/OFF SWITCH WILL CONTROL ALL LUMINAIRES IN ROOM.
   c. DAYLIGHT SENSOR FOR SYSTEM.
3. DAYLIGHT SENSORS WILL BE PROVIDED IN DESIGNATED DAYLIGHT ZONES SO THAT IF THE DAYLIGHT SENSORS SENSE 40FC OR HIGHER IN ROOM ALL LIGHTING WILL BE OFF UNLESS USER PUSHES ANOTHER BUTTON TO OVERRIDE DAYLIGHT CONTROL.
4. WHEN PERSONNEL LEAVE THE ROOM THEY CAN EITHER TURN LIGHTS OFF WITH SWITCH OR VACANCY SENSOR WILL BE PROGRAMMED TO TURN OFF ALL LUMINAIRES IN ROOM AUTOMATICALLY AFTER SET PERIOD OF TIME SET BY OWNER. AT A MINIMUM FACTORY SETTINGS WILL BE APPLIED IF NO OWNER INPUT IS PROVIDED AT TIME OF PROGRAMMING IN FIELD. SYSTEM WILL RESET TO UNOCCUPIED MODE.
5. PROVIDE THE FOLLOWING WATTSTOPPER DLM SYSTEM DEVICES IN ROOM.
   a. SINGLE OUTLET ON/OFF/DIMMER/ VACANCY DIGITAL SWITCH SERIES LMDW.

D. CONFERENCE.
1. UNOCCUPIED ROOMS
   WHEN ROOM IS UNOCCUPIED, ALL LIGHTING IN ROOM WILL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
2. OCCUPIED ROOM
   a. LIGHTING CONTROL IN ROOM WILL BE ENABLED BY PUSH BUTTON SWITCHES AT ENTRY TO ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
   b. DURING OCCUPANCY, A THREE BUTTON SWITCH WILL PROVIDE THE FOLLOWING CONTROL:
      -TOP BUTTON WILL CONTROL LUMINAIRES DESIGNATED WITH "B". LABEL BUTTON "A"
      -MIDDLE BUTTON WILL CONTROL LUMINAIRES DESIGNATED WITH "B" FOR FULL DIMMING. LABEL BUTTON "B"
      -BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF. LABEL BUTTON "C".
3. WHEN PERSONNEL LEAVE THE ROOM THEY CAN EITHER TURN LIGHTS OFF WITH SWITCH OR VACANCY SENSOR WILL BE PROGRAMMED TO TURN OFF ALL LUMINAIRES IN ROOM AUTOMATICALLY AFTER SET PERIOD OF TIME SET BY OWNER. AT A MINIMUM FACTORY SETTINGS WILL BE APPLIED IF NO OWNER INPUT IS PROVIDED AT TIME OF PROGRAMMING IN FIELD. SYSTEM WILL RESET TO UNOCCUPIED MODE.
4. CONTRACTOR WILL PROVIDE AN ENGRAVED PLACARD ADJACENT TO SWITCH. PLACARD WILL INDICATE THE FOLLOWING PER EACH BUTTON.
   A = CAN LUMINAIRES
   B = LINEAR LUMINAIRES
   C = ALL OFF
5. PROVIDE THE FOLLOWING WATTSTOPPER DLM SYSTEM DEVICES IN ROOM.
   A. ROOM CONTROLLER SERIES LMRC RATED FOR PROGRAMMING CONTROL/POWER.
   B. DUAL TECHNOLOGY VACANCY SENSOR SERIES LMDC.
   C. THREE BUTTON, SINGLE OUTLET DIGITAL DIMMER SWITCH SERIES LMSW.

E. RESTROOMS, LOCKERS:
1. OCCUPANCY SENSOR WILL AUTOMATICALLY TURN ON ALL LUMINAIRES AS PEOPLE ENTER ROOM.
2. LUMINAIRES CAN ALSO BE ENABLED BY SWITCH LOCATED AT ENTRY TO ROOM.
3. WHEN PERSONNEL LEAVE ROOM THEY CAN TURN LIGHTING OFF WITH SWITCH OR THE OCCUPANCY SENSOR(S) IN THE ROOM TIMES OUT. ALL LIGHTING IN ROOM WILL BE DISABLED AND DE-ENERGIZED.
4. PROVIDE THE FOLLOWING WATTSTOPPER SYSTEM DEVICES IN ROOM:
   A. DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR DT-355. LOCATED PER MANUFACTURES RECOMMENDATIONS. SHOWN ON PLAN FOR BID PURPOSES.
   B. SINGLE POLE TOGGLE SWITCH; LINE VOLTAGE RATED FOR LOAD.

F. STORAGE, JANITORS:
1. OCCUPANCY SENSOR WILL AUTOMATICALLY TURN ON ALL LUMINAIRES AS PEOPLE ENTER ROOM.
2. LUMINAIRES CAN ALSO BE ENABLED BY ON/OFF SWITCH
3. WHEN PERSONNEL LEAVE ROOM THEY CAN TURN LIGHTING OFF WITH SWITCH OR THE OCCUPANCY SENSOR(S) IN THE ROOM TIMES OUT. ALL LIGHTING IN ROOM WILL BE DISABLED AND DE-ENERGIZED.
4. PROVIDE THE FOLLOWING WATTSTOPPER SYSTEM DEVICES IN ROOM:
   A. COMBINATION SENSOR AND ON/OFF SWITCH SERIES PW.

G. ELECTRICAL, MDF/IDF, MECHANICAL, FIRE RISER:
1. ALL LUMINAIRES IN ROOM WILL BE ENGAGED BY SWITCH(ES). THESE LUMINAIRES WILL NOT AUTOMATICALLY ENERGIZE OR DE-ENERGIZE.
2. PROVIDE THE FOLLOWING FOR CONTROL:
   A. SINGLE POLE TOGGLE SWITCH

H. CORRIDORS, HALLWAYS, VESTIBULES
1. LOCAL CONTROL OF LUMINAIRES WILL BE VIA TOGGLE SWITCHES.
2. OVERALL CONTROL WILL BE PROGRAMMED ON AT 5AM AND OFF AT 11 PM. COORDINATE EXACT ON/OFF TIMES OF PROGRAM WITH OWNER IN FIELD AT TIME OF SYSTEM PROGRAMMING.

I. EXTERIOR BUILDING LIGHTING
1. ALL EXTERIOR BUILDING MOUNTED, PARKING AREA, WALKWAY LIGHTING WILL BE PROGRAMMED TO COME ON EITHER BY PHOTO CELL OR ASTRONOMICAL TIME SETTING.
2. ALL LIGHTING WILL COME ON AT OR 1/2 HOUR BEFORE DUSK AND OFF AT OR 1/2 HOUR AFTER DAWN.
3. ALL TIME SETTINGS WILL BE COORDINATED WITH OWNER AT TIME OF PROGRAMMING IN FIELD.

K. COMBINATION CLASSROOM/CONFERENCE:
1. UNOCCUPIED MODE:
   WHEN ROOM IS UNOCCUPIED, ALL LIGHTING IN ROOM WILL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
2. OCCUPIED MODE FOR ROOM (277V)
   A. LIGHTING CONTROL IN ROOM WILL BE ENABLED BY PUSH BUTTON SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
   B. DURING OCCUPANCY, A FOUR BUTTON SWITCH WITH DIMMING CAPABILITIES WILL CONTROL THE FOLLOWING:
      -TOP BUTTON WILL CONTROL LUMINAIRES DESIGNATED WITH "a" ON/OFF OR DIMMING. LABEL BUTTON "A"
      -SECOND BUTTON WILL CONTROL LUMINAIRES DESIGNATED WITH "b" ON/OFF OR DIMMING. LABEL BUTTON "B"
      -THIRD BUTTON WILL CONTROL LUMINAIRES DESIGNATED WITH "c" ON/OFF OR DIMMING. LABEL BUTTON "C"
      -BOTTOM BUTTON WILL CONTROL LUMINAIRES DESIGNATED WITH "d" ON/OFF OR DIMMING. LABEL BUTTON "D"
   C. CONTRACTOR WILL PROVIDE AN ENGRAVED PLACARD ADJACENT TO SWITCH. PLACARD WILL INDICATE THE FOLLOWING PER EACH BUTTON.
      A = STAGE LIGHTING
      B = WALL/WINDOW LIGHTING
      C = CLOUD LINEAR LIGHTING
      D = CLOUD SQUARE LIGHTING
3. OCCUPIED MODE STAGE AREA
   A. LIGHTING AT STAGE (FUTURE) WILL BE ENABLED BY PUSH BUTTON SWITCHES AT STAGE AREA. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
   B. DURING OCCUPANCY A FOUR BUTTON SWITCH WITH DIMMING WILL CONTROL THE FOLLOWING.
      -TOP BUTTON WILL CONTROL J-BOX DESIGNATED WITH "e" ON/OFF OR DIMMING. LABEL BUTTON "E"
      -SECOND BUTTON WILL CONTROL J-BOX DESIGNATED WITH "f" ON/OFF OR DIMMING. LABEL BUTTON "F"
      -THIRD BUTTON WILL CONTROL J-BOX DESIGNATED WITH "g" ON/OFF OR DIMMING. LABEL BUTTON "G"
      -BOTTOM BUTTON WILL CONTROL J-BOX DESIGNATED WITH "h" ON/OFF OR DIMMING. LABEL BUTTON "H"
   C. CONTRACTOR WILL PROVIDE AN ENGRAVED PLACARD ADJACENT TO SWITCH. PLACARD WILL BE SAME SIZE AS STANDARD SWITCH COVER PLATE. PLACARD WILL INDICATE THE FOLLOWING PER EACH BUTTON:
      E = STAGE LEFT
      F = STAGE LEFT CENTER
      G = STAGE RIGHT CENTER
      H = STAGE RIGHT
4. WHEN PERSONNEL LEAVE, THE ROOM VACANCY SENSOR WILL BE PROGRAMMED TO TURN OFF ALL LUMINAIRES IN ROOM AUTOMATICALLY AFTER A SET TIME PERIOD. SET TIME WILL BE PER OWNER'S DESIRED TIME. A MINIMUM FACTORY SETTING WILL BE APPLIED IF NO OWNER INPUT IS PROVIDED AT TIME OF PROGRAMING IN FIELD. SYSTEM WILL RESET TO UNOCCUPIED MODE.
5. PROVIDE THE FOLLOWING WATT STOPPER DIM SYSTEM DEVICES IN ROOM:
   A . ROOM CONTROLLER SERIES LMRC RATED FOR VOLTAGE AND PROGRAMMED CONTROL/POWER.
   B. DUAL TECHNOLOGY VACANCY SENSOR SENSES LMDC.
   C. FOUR BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH SERIES LMSW .

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL SCHEDULES

E-702

Branch Panel: SL1A

Location: ELEC 612A
Supply From: SDPL1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 126

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	MTR GYM 634 SE BB GOAL		20 A	1	1176... 900 VA			1	20 A		REC BUSINESS MANAGER'S OFFICE...	2
3	MTR GYM 634 NE BB GOAL		20 A	1		1176... 1260...		1	20 A		REC BUSINESS MANAGER'S OFFICE...	4
5	MTR GYM 634 N BB GOAL		20 A	1			1176... 1080...	1	20 A		REC 102.4,500, 503	6
7	MTR GYM 634 NW BB GOAL		20 A	1	1176... 1080...			1	20 A		REC 500, 503	8
9	MTR GYM 634 SW BB GOAL		20 A	1		1176... 720 VA		1	20 A		REC LIB OFFICE 500 FLOOR	10
11	MTR GYM 634 S BB GOAL		20 A	1			1176... 900 VA	1	20 A		REC COMP. SECURITY OFC 117	12
13	CEILING GYM 610 SPEAKER		20 A	1	1500... 900 VA			1	20 A		REC COMP. SECURITY OFC 117	14
15	CEILING GYM 610 SPEAKER		20 A	1		1500... 1080...		1	20 A		REC 112,116,114,115,117,118	16
17	CEILING GYM 610 SPEAKER		20 A	1			1000... 180 VA	1	20 A		REC WALL DISPLAY CONF. 112	18
19	REC GYM 602, 610		20 A	1	1080... 1260...			1	20 A		REC 112,114,116,118,537 A	20
21	REC GYM 610, DINING 600		20 A	1		1080... 1080...		1	20 A		REC 112,114,116,118	22
23	REC EWC HALL 603		20 A	1			720 VA 360 VA	1	20 A		REC CONF. 112 FLOOR	24
25	REC PE OFFC/RR 606.1, 605		20 A	1	1080... 1200...			1	20 A		REC COPIER COPY / MAIL 111	26
27	REC MECH 461,ELEC 612A		20 A	1		720 VA 1200...		1	20 A		REC COPIER STOR/WORK 503	28
29	REC B LOCKERS 604		20 A	1			360 VA 1080...	1	20 A		REC 110,111,113, 537A	30
31	NC SMD HALL 537		20 A	1	500 VA 540 VA			1	20 A		REC 110,111,113	32
33	NC SCOREBOARDS CONTROL 610		20 A	1		360 VA 720 VA		1	20 A		REC 108,110,111,113	34
35	NC SCOREBOARD S 610		20 A	1			200 VA 720 VA	1	20 A		REC RR 107,108A,109,708	36
37	NC SCOREBOARD N 610		20 A	1	200 VA 540 VA			1	20 A		REC W RR 106, 108,709	38
39	REC N SPEAKER 610		20 A	1		500 VA 1080...		1	20 A		REC 105, 108,108,109,	40
41	REC PE OFFC/RR 605.1, 606		20 A	1			1080... 960 VA	1	20 A		REC UC FRIDGE NURSE OFFICE 108	42
43	REC EWC HALL 608		20 A	1	720 VA 720 VA			1	20 A		REC EWC B RR 708	44
45	NC SMD HALL 537		20 A	1		400 VA 720 VA		1	20 A		REC EWC HALL 537	46
47	REC STAGE SPEAKER W 610		20 A	1			500 VA 240 VA	1	20 A		MTR DOOR OPERATOR 613, 600	48
49	NC WHEELCHAIR LIFT 611		25 A	1	1650... 100 VA			1	20 A		MTR VEST ADA PUSH BUTTONS	50
51	REC STAGE STORAGE 611.1-IT		20 A	1		360 VA 150 VA		1	20 A		MTR CR/DOOR OPERATOR 500	52
53	NC PROJECTION SCREENS		20 A	1			1000... 360 VA	1	20 A		REC EXEC. DIR. OFF 102.2 FLOOR	54
55	REC STAGE SPEAKER E 609		20 A	1	500 VA 1200...			1	20 A		NC MOTORIZED SHADES WEST...	56
57	REC STAGE 611		20 A	1		360 VA 1000...		1	20 A		NC MOTORIZED SHADES WEST...	58
59	REC STOR 611.1, STAGE 611		20 A	1			540 VA 1000...	1	20 A		NC MOTORIZED SHADES SOUTH...	60
61	REC STAGE FLOOR 611		20 A	1	720 VA 1800...			1	20 A		NC MOTORIZED SHADES EAST UPPER	62
63	REC K-8 DINING 600, STORAGE 402.1		20 A	1		720 VA 400 VA		1	20 A		NC MOTORIZED SHADES EAST LOWER	64
65	REC CONCESSION (future) STOR 611.1		20 A	1			1000...					66
67	REC CONCESSION (future) PE OFFC...		20 A	1	1000...							68
69	MTR BLEACHER CONTROLS		20 A	3		865 VA						70
71	--		--	--			865 VA					72
73	--		--	--	865 VA							74
75												76
77												78
79	EQP B-1		20 A	3	780 VA							80
81	--		--	--		780 VA						82
83	--		--	--			780 VA					84
85	EQP B-2		20 A	3	780 VA							86
87	--		--	--		780 VA 2500...		2	35 A		EQP EUH-2	88
89	--		--	--			780 VA 2500...	--	--		--	90
91	MTR CR/DOOR OPERATOR 601,603,608		20 A	1	330 VA 1082...			2	20 A		EQP ACU-2/FC-2	92
93	STAGE LIGHTING		20 A	1		90 VA 1082...		--	--		--	94
95	EQP- ZD5-1, 5-2, 5-3		20 A	1			150 VA 180 VA	1	20 A		REC ROOF	96
97	REC MECHANICAL/ FIRE RISER 461		20 A	1	180 VA 450 VA			1	20 A		EQP TERMINAL UNITS	98
99	EQP DWH-3 MECH 461		20 A	1		180 VA 500 VA		1	20 A		EQP TERMINAL UNITS	100
101	EQP DWH-6 MECH 461		20 A	1			180 VA 1176...	1	20 A		EQP P-9	102
103	REC MEDIA CENTER 500		20 A	1	360 VA 864 VA			1	20 A		EQP EF-1	104
105	REC ENTRY LOBBY 101-FLOOR		20 A	1		720 VA 3750...		2	50 A		EQP EUH-1	106
107	REC STOR 401.1- IT		20 A	1			360 VA 3750...	--	--		--	108
109												110
111												112
113												114
115												116
117												118
119												120
121												122
123												124
125												126
					Total Load: 27233 VA	29009 VA	26353 VA					
					Total Amps: 228 A	243 A	220 A					

SECTION 1 / SECTION 2 / SECTION 3

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	15566 VA	100.00%	15566 VA		
MTR	25449 VA	100.00%	25449 VA	**Total Conn. Load:**	82595 VA
REC	41490 VA	62.05%	25745 VA	**Total Est. Demand:**	66873 VA
LTG	90 VA	125.00%	113 VA	**Total Conn. Current:**	229 A
				Total Est. Demand Current:	186 A

Notes:

Branch Panel: SL1B

Location: ELEC 203.1
Supply From: SDPL1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 126

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	REC SMARTBOARD 209,210		20 A	1	1000... 1000...			1	20 A		REC SMARTBOARD 206,208	2
3	REC SMARTBOARD 205,207		20 A	1		1000... 1000...		1	20 A		REC SMARTBOARD 204	4
5	REC EWC HALL 200		20 A	1			720 VA 1000...	1	20 A		REC SMARTBOARD 301,303	6
7	REC CR 209, 209.3, 207.1		20 A	1	900 VA 1000...			1	20 A		REC SMARTBOARD 309,310	8
9	REC 207.2, 209, 209.2		20 A	1		1080... 1000...		1	20 A		REC SMARTBOARD 303	10
11	REC 207.3, 209, 209.1		20 A	1			720 VA 600 VA	1	20 A		NC SMD HALL 200	12
13	REC CR 205, 207		20 A	1	1080... 1080...			1	20 A		REC CR 210,210.1,210.4,208.2	14
15	REC CR 205, 207		20 A	1		1080... 1080...		1	20 A		REC CR 210,210.2,208.4	16
17	REC CR 205, 207		20 A	1			1080... 1080...	1	20 A		REC CR 208,210.3,208.3	18
19	REC 2001,201.3,205.2,302,306.1		20 A	1	1080... 1080...			1	20 A		REC CR 206, 208	20
21	REC W RR 302		20 A	1		1500... 1080...		1	20 A		REC CR 206, 208	22
23	REC IT 203		20 A	1			360 VA 1080...	1	20 A		REC CR 206, 208	24
25	REC IT 203		20 A	1	360 VA 900 VA			1	20 A		REC CR 206	26
27	REC IT 203		20 A	1		360 VA 1800...		1	20 A		REC 204.1 REFRIGERATOR	28
29	REC IT 203		20 A	1			360 VA 1500...	1	20 A		REC 204.1	30
31	NC SMD HALL 200		20 A	1	600 VA 1500...			1	20 A		REC 204.1	32
33	REC IT 203 RACK		20 A	1		1000... 180 VA		1	20 A		REC 204.1	34
35	REC RR 200, 203.1, 205.1		20 A	1			1080... 720 VA	1	20 A		REC LOUNGE 102.3	36
37	REC 307,309		20 A	1	1080... 1080...			1	20 A		REC 202, 204	38
39						1080...		1	20 A		REC 202, 204	40
41	NC SMD HALL 300		20 A	1			500 VA 1080...	1	20 A		REC 202, 204	42
43	REC 307,309		20 A	1	1080... 1080...			1	20 A		REC 308, 310	44
45	REC 307,309		20 A	1		1080... 900 VA		1	20 A		REC 308, 310	46
47	REC KIT 306.1 REFRIGERATOR		20 A	1			1800... 1080...	1	20 A		REC 308, 308.1, 310, 310.1	48
49	REC KIT 306.1		20 A	1	1500... 1080...			1	20 A		REC 306,308	50
51	REC KIT 306.1		20 A	1		1500... 900 VA		1	20 A		REC 306,308	52
53	REC KIT 306.1		20 A	1			1500... 720 VA	1	20 A		REC 306,308	54
55					720 VA			1	20 A		REC EWC 300	56
57	REC 303,306.2, 307		20 A	1		1080... 720 VA		1	20 A		REC EWC 300	58
59	REC 303,306.2, 307, 307.1		20 A	1			1080... 540 VA	1	20 A		REC 302.1, 304.1, 304.2	60
61	REC 303,306.2		20 A	1	720 VA 900 VA			1	20 A		REC HALL 300, STOR 303.1	62
63	REC 303 FLOOR		20 A	1		720 VA 360 VA		1	20 A		MTR CR/DOOR OPERATOR HALL 200	64
65	REC 303 FLOOR		20 A	1			720 VA 110 VA	1	20 A		MTR CR/DOOR OPERATOR HALL 300	66
67	REC 303 FLOOR		20 A	1	720 VA 1500...			1	20 A		REC LOUNGE 102.3	68
69	REC 303 FLOOR		20 A	1		720 VA 1500...		1	20 A		REC LOUNGE 102.3	70
71	REC 303 FLOOR		20 A	1			720 VA 1500...	1	20 A		REC LOUNGE 102.3 DISHWASHER	72
73	REC 303 FLOOR		20 A	1	720 VA 1000...			1	20 A		REC LOUNGE 102.3	74
75	REC 303 FLOOR		20 A	1		720 VA 1800...		1	20 A		REC REFRIGERATOR 102.3	76
77	REC 303 FLOOR		20 A	1			720 VA					78
79	REC 303 PRINTER		20 A	1	720 VA 400 VA			1	20 A		MTR OFF/TEST 200.1	80
81						350 VA		1	20 A		EQP TERMINAL UNITS	82
83							180 VA	1	20 A		EQP FACP IT 203	84
85					500 VA			1	20 A		NC SMD HALL 300	86
87												88
89												90
91												92
93												94
95												96
97												98
99												100
101												102
103												104
105												106
107												108
109												110
111												112
113												114
115												116
117												118
119												120
121												122
123												124
125												126
					Total Load: 26380 VA	25590 VA	22550 VA					
					Total Amps: 224 A	217 A	188 A					

SECTION 1 / SECTION 2 / SECTION 3

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	3770 VA	100.00%	3770 VA		
CON	530 VA	125.00%	663 VA	**Total Conn. Load:**	74520 VA
MTR	800 VA	100.00%	800 VA	**Total Est. Demand:**	44943 VA
REC	69420 VA	57.20%	39710 VA	**Total Conn. Current:**	207 A
				Total Est. Demand Current:	125 A

Notes:

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SL1A | SL1B

E-703

Bridgers & Paxton Project No: 8226
10/1/2020 3:45:50 PM
D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerrera\8SZMC.rvt

School Information

Branch Panel: SL1C

Location: ELEC 412
Supply From: SDPL2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 84

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	REC SMARTBOARD 409, 411		20 A	1	500 VA			1	20 A		REC SMARTBOARD 406,408	2
3	REC SMARTBOARD 405, 407		20 A	1		1000...	1000...	1	20 A		REC SMARTBOARD 404, 401	4
5	Spare		20 A	1			0 VA	1	20 A		Spare	6
7	REC 409,409.1,411, 411.1		20 A	1	720 VA	900 VA		1	20 A		REC 408,410,410.1	8
9	REC 409,411		20 A	1		720 VA	540 VA	1	20 A		REC 408,408.1,410	10
11	REC 409,411,411.1		20 A	1			720 VA	1	20 A		REC 408,410	12
13	REC 407, 409		20 A	1	720 VA	720 VA		1	20 A		REC 406, 408	14
15	REC 407, 409		20 A	1		540 VA	720 VA	1	20 A		REC 406, 408	16
17	REC 407, 409		20 A	1			720 VA	1	20 A		REC 406, 408	18
19	REC 405, 405.1		20 A	1	720 VA	900 VA		1	20 A		REC 402.2, 404, 404.2, 406.1	20
21	REC 405		20 A	1		720 VA	900 VA	1	20 A		REC 402.1, 404	22
23	REC 403.1,405		20 A	1			720 VA	1	20 A		REC 301, 301.2, 404	24
25	REC 401 PRINTER		20 A	1	720 VA	720 VA		1	20 A		REC EWC HALL 537	26
27	REC 401,403		20 A	1		1080...	720 VA	1	20 A		REC EWC HALL 537	28
29	REC 401,403		20 A	1			900 VA	1	20 A		MTR CR/DOOR OPERATOR HALL 537	30
31	REC 401,403		20 A	1	1080...	1500...		1	20 A		NC M RR 301	32
33	REC 401 FLOOR		20 A	1		1440...	900 VA	1	20 A		REC HALL 537	34
35	REC 401 FLOOR		20 A	1			1440...					36
37	REC 401 FLOOR		20 A	1	1440...	300 VA		1	20 A		EQP TERMINAL UNITS	38
39	REC 401 FLOOR		20 A	1		1440...	300 VA	1	20 A		EQP TERMINAL UNITS	40
41	REC 401 FLOOR		20 A	1			1440...	1	20 A		NC SMD HALL 400	42
43	REC 401 FLOOR		20 A	1	1440...	600 VA		1	20 A		NC SMD NORTH END	44
45	REC 401 FLOOR		20 A	1		1440...	500 VA	1	20 A		NC SMD HALL 400	46
47	REC 401 FLOOR		20 A	1			720 VA	2	20 A		NC	48
49					0 VA			--	--		--	50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81							1080...	1	20 A		REC AMPHITHEATRE	82
83											REC AMPHITHEATRE	84
			Total Load:		13480 VA	15040 VA	10560 VA					
			Total Amps:		116 A	129 A	88 A					

SECTION 1 / SECTION 2

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	3570 VA	100.00%	3570 VA		
MTR	650 VA	100.00%	650 VA	**Total Conn. Load:**	39080 VA
REC	34860 VA	64.34%	22430 VA	**Total Est. Demand:**	26650 VA
				Total Conn. Current:	108 A
				Total Est. Demand Current:	74 A

Notes:

Branch Panel: SM1A

Location: ELEC 612A
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 84

A.I.C. Rating: 22000
Mains Type:
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	KIT KITCHEN ITEM #7 DISHWASHER		50 A	3	1108...	725 VA		3	20 A		SITE LIGHTING	2
3	--		--	--		1108...	725 VA	--	--		--	4
5	--		--	--			1108...	725 VA	--	--	--	6
7	MTR KITCHEN ITEM #8 BOOSTER...		40 A	3	8000...	1939...		3	100 A		EQP CU-1	8
9	--		--	--		8000...	1939...	--	--		--	10
11	--		--	--			8000...	1939...	--	--	--	12
13	EQP VFD-2/P-4		20 A	3	3878...	1396...		3	80 A		EQP CU-2	14
15	--		--	--		3878...	1396...	--	--		--	16
17	--		--	--			3878...	1396...	--	--	--	18
19	EQP VFD 5-1/AHU-5		20 A	3	3047...	1396...		3	80 A		EQP CU-3	20
21	--		--	--		3047...	1396...	--	--		--	22
23	--		--	--			3047...	1396...	--	--	--	24
25	EQP VFD 5-2/AHU-5		20 A	3	3047...	1152...		3	70 A		EQP CU-4	26
27	--		--	--		3047...	1152...	--	--		--	28
29	--		--	--			3047...	1152...	--	--	--	30
31	EQP VFD 5-3/AHU-5		20 A	3	2105...							32
33	--		--	--		2105...						34
35	--		--	--			2105...					36
37	EQP VFD 5-4/AHU-5		20 A	3	2105...							38
39	--		--	--		2105...						40
41	--		--	--			2105...					42
43	EQP P-2		20 A	3	831 VA							44
45	--		--	--		831 VA						46
47	--		--	--			831 VA					48
49	EQP P-1		20 A	3	831 VA							50
51	--		--	--		831 VA						52
53	--		--	--			831 VA					54
55	EQP VFD-1/P-3		20 A	3	0 VA							56
57	--		--	--		0 VA						58
59	--		--	--			0 VA					60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
			Total Load:		94490 VA	94490 VA	94490 VA					
			Total Amps:		341 A	341 A	341 A					

SECTION 1 / SECTION 2

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MTR	281295 VA	100.00%	281295 VA		
LTG	2175 VA	125.00%	2719 VA	**Total Conn. Load:**	283470 VA
				Total Est. Demand:	284014 VA
				Total Conn. Current:	341 A
				Total Est. Demand Current:	342 A

Notes:

Branch Panel: SH1B

Location: ELEC 203.1
Supply From: SDPH1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 42

A.I.C. Rating: 14,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	LTG 1ST CR 209		20 A	1	1704...	1750...		1	20 A		LTG CR 4 309	2
3	LTG BOY RR 209.3		20 A	1		416 VA	1800...	1	20 A		LTG CR 5 308	4
5	LTG STOR 209.1		20 A	1			354 VA	1	20 A		LTG STOR 309.1	6
7	LTG KG CR 2 210		20 A	1	1626...	244 VA		1	20 A		LTG KIT 307.2	8
9	LTG FACE CR 206		20 A	1		1223...	627 VA	1	20 A		LTG BOYS RR 304.2	10
11	LTG WOMEN 210.1		20 A	1			799 VA	1	20 A		LTG PRACTICAL & FINE ARTS 410	12
13	LTG STOR 210.4		20 A	1	100 VA	2150...		1	20 A		LTG SCIENCE LAB 411	14
15	LTG HALL 200		20 A	1		4009...	1200...	1	20 A		LTG CR 7 406	16
17	LTG		20 A	1			1771...	1	20 A		LTG CR 8 405	18
19	LTG SECURITY OFFICE 117		20 A	1	1062...	713 VA		1	20 A		LTG STORAGE 410.1	20
21	LTG COPY / MAIL 111		20 A	1		822 VA	300 VA	1	20 A		LTG STORAGE 411.1	22
23	LTG K-8 DINING-2 600-2		20 A	1			1758...	3270...	1	20 A		LTG HALL 537	24
25	LTG K-8 KITCHEN 601		20 A	1	1018...	811 VA		1	20 A		LTG FACE OFFICE 202	26
27	LTG PE STORAGE 602		20 A	1		312 VA	1011...	1	20 A		LTG STORAGE 401.1	28
29	LTG BLEACHERS 609		20 A	1			2522...	460 VA	1	20 A		LTG HALL 537	30
31	LTG GYM 610		20 A	1	2533...	1133...		3	20 A		NORHT SIDE PARKING LIGHTING	32
33	LTG PE OFFICE 605		20 A	1		898 VA	1133...	--	--		--	34
35	EXTERIOR LIGHTING AREA "B" AND "C"		20 A	1			590 VA	1133...	--	--	--	36
37	EXTERIOR LIGHTING AREA "C"		20 A	1	240 VA	291 VA		1	20 A		LTG-EXT HALL 603	38
39	EXTERIOR LIGHTING AREA "D"		20 A	1		420 VA	893 VA	1	20 A		LTG HALL 537	40
41	EXTERIOR LIGHTING AREA "A"		20 A	1			580 VA					42
			Total Load:		15375 VA	15064 VA	17637 VA					
			Total Amps:		56 A	54 A	64 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MTR	663 VA	100.00%	663 VA		
LTG	45603 VA	125.00%	57004 VA	**Total Conn. Load:**	48076 VA
LTG-EXT	1810 VA	125.00%	2263 VA	**Total Est. Demand:**	59929 VA
				Total Conn. Current:	58 A
				Total Est. Demand Current:	72 A

Notes:

Branch Panel: SM1B

Location: ELEC 203.1
Supply From: SDPH1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 42

A.I.C. Rating: 14000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1					4432...			3	25 A		EQP RTU-1	2
3						4432...		--	--		--	4
5							4432...	--	--		--	6
7					1927...			3	100 A		EQP CU-5	8
9						1927...		--	--		--	10
11							1927...	--	--		--	12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
			Total Load:		23711 VA	23711 VA	23711 VA					
			Total Amps:		86 A	86 A	86 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MTR	71133 VA	100.00%	71133 VA		
				Total Conn. Load:	71133 VA
				Total Est. Demand:	71133 VA
				Total Conn. Current:	86 A
				Total Est. Demand Current:	86 A

Notes:

SL1C | SM1A | SH1B | SM1B

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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	TLA
CHECKED BY:	JMM

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

E-704

School Information

Branch Panel: SL1H

Location: STOR 409.1
Supply From: SDPL2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	REC 409 ELECTRIC OVEN		20 A	2	4500...	540 VA					1	20 A		REC STOR 409.1	2
3	--		--	--			4500...	2500...			2	24 A		REC 409 DRYER	4
5	NC 409 EXHAUST HOOD		20 A	1					600 VA	2500...	--	--		--	6
7	REC HOME ECONOMICS 409		20 A	1	180 VA	1500...					1	20 A		REC 409 WASHER	8
9	REC 409 GARBAGE DISPOSAL		20 A	1			720 VA	360 VA			1	20 A		REC HOME EC. 409	10
11	REC 409 DISHWASHER		20 A	1					1500...	360 VA	1	20 A		REC 409 FLOOR	12
13	REC 409 REFRIGERATOR		20 A	1	1800...	540 VA					1	20 A		REC HOME EC. 409	14
15	REC 409 DISHWASHER		20 A	1			1500...	500 VA			1	20 A		REC HOME EC. 409	16
17	REC 409 GARBAGE DISPOSAL		20 A	1					720 VA						18
19	REC HOME ECONOMICS 409		20 A	1	180 VA										20
21	REC 409 ELECTRIC OVEN		55 A	2			4500...								22
23	--		--	--					4500...	0 VA	1	20 A		Spare	24
25	NC 409 EXHAUST HOOD		20 A	1	600 VA	0 VA					1	20 A		Spare	26
27								0 VA			1	20 A		Spare	28
29										0 VA	1	20 A		Spare	30
31						0 VA					1	20 A		Spare	32
33								0 VA			1	20 A		Spare	34
35										0 VA	1	20 A		Spare	36
37															38
39															40
41															42
			Total Load:		9840 VA		14580 VA		10180 VA						
			Total Amps:		82 A		122 A		85 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	1200 VA	100.00%	1200 VA		
MTR	0 VA	0.00%	0 VA	**Total Conn. Load:**	34600 VA
REC	33400 VA	64.97%	21700 VA	**Total Est. Demand:**	22900 VA
				Total Conn. Current:	96 A
				Total Est. Demand Current:	64 A

Notes:

Branch Panel: SL1V

Location: VOC. ED. 408
Supply From: SDPL2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	REC VOC. ED. 408		20 A	1	720 VA	0 VA					1	20 A		Spare	2
3	REC VOC. ED. 408		20 A	1			1000...	0 VA			1	20 A		Spare	4
5	REC VOC. ED. 408		20 A	1					720 VA	0 VA	1	20 A		Spare	6
7	REC VOC. ED. 408		20 A	1	900 VA	0 VA					1	20 A		Spare	8
9	REC VOC. ED. 408		20 A	1			1440...	0 VA			1	20 A		Spare	10
11										0 VA	1	20 A		Spare	12
13						0 VA					1	20 A		Spare	14
15								0 VA			1	20 A		Spare	16
17										0 VA	1	20 A		Spare	18
19						0 VA					1	20 A		Spare	20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
			Total Load:		1620 VA		2440 VA		720 VA						
			Total Amps:		15 A		21 A		6 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	4780 VA	100.00%	4780 VA		
				Total Conn. Load:	4780 VA
				Total Est. Demand:	4780 VA
				Total Conn. Current:	13 A
				Total Est. Demand Current:	13 A

Notes:

Branch Panel: SL2A

Location:
Supply From: SDPL2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 42

A.I.C. Rating: 14,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

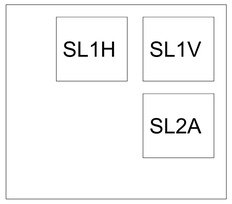
Notes:

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	MTR EQP EF-7		20 A	1	696 VA	3750...					2	50 A		EQP EUH-3	2
3	MTR EQP EF-2		20 A	1			1176...	3750...			--	--		--	4
5	MTR EQP EF-3		20 A	1					696 VA	3750...	2	50 A		EQP EUH-4	6
7	MTR EQP EF-4		20 A	1	696 VA	3750...					--	--		--	8
9	MTR EQP EF-5		20 A	1			528 VA	3750...			2	50 A		EQP EUH-5	10
11	MTR EQP EF-6		20 A	1					696 VA	3750...	--	--		--	12
13	MTR EQP EF-8		20 A	1	696 VA	720 VA					1	20 A		REC PENTHOUSE	14
15	REC		20 A	1			720 VA	1176...			1	20 A		EQP P-5	16
17	EQP ACU-1/FC-1		30 A	2					1498...	1176...	1	20 A		EQP P-6	18
19	--		--	--	1498...	1176...					1	20 A		EQP P-7	20
21	SDPL1		20 A	3			5361...	1176...			1	20 A		EQP P-8	22
23	--		--	--					5459...						24
25	--		--	--	4890...										26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
			Total Load:		61885 VA		65889 VA		66164 VA						
			Total Amps:		516 A		554 A		557 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	19336 VA	100.00%	19336 VA		
CON	530 VA	125.00%	663 VA	**Total Conn. Load:**	193938 VA
MTR	61632 VA	100.00%	61632 VA	**Total Est. Demand:**	142918 VA
REC	112350 VA	54.45%	61175 VA	**Total Conn. Current:**	538 A
LTG	90 VA	125.00%	113 VA	**Total Est. Demand Current:**	397 A

Notes:



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ARCHITECT

Dzilth-Na-O-Dith-Hle - New School

99% CONSTRUCTION DOCUMENTS

35 Road 7585, Bloomfield, NM 87413

OCTOBER 01, 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	751
CAD DWG FILE:	
DRAWN BY:	AMH
CHECKED BY:	JMM

SHEET TITLE

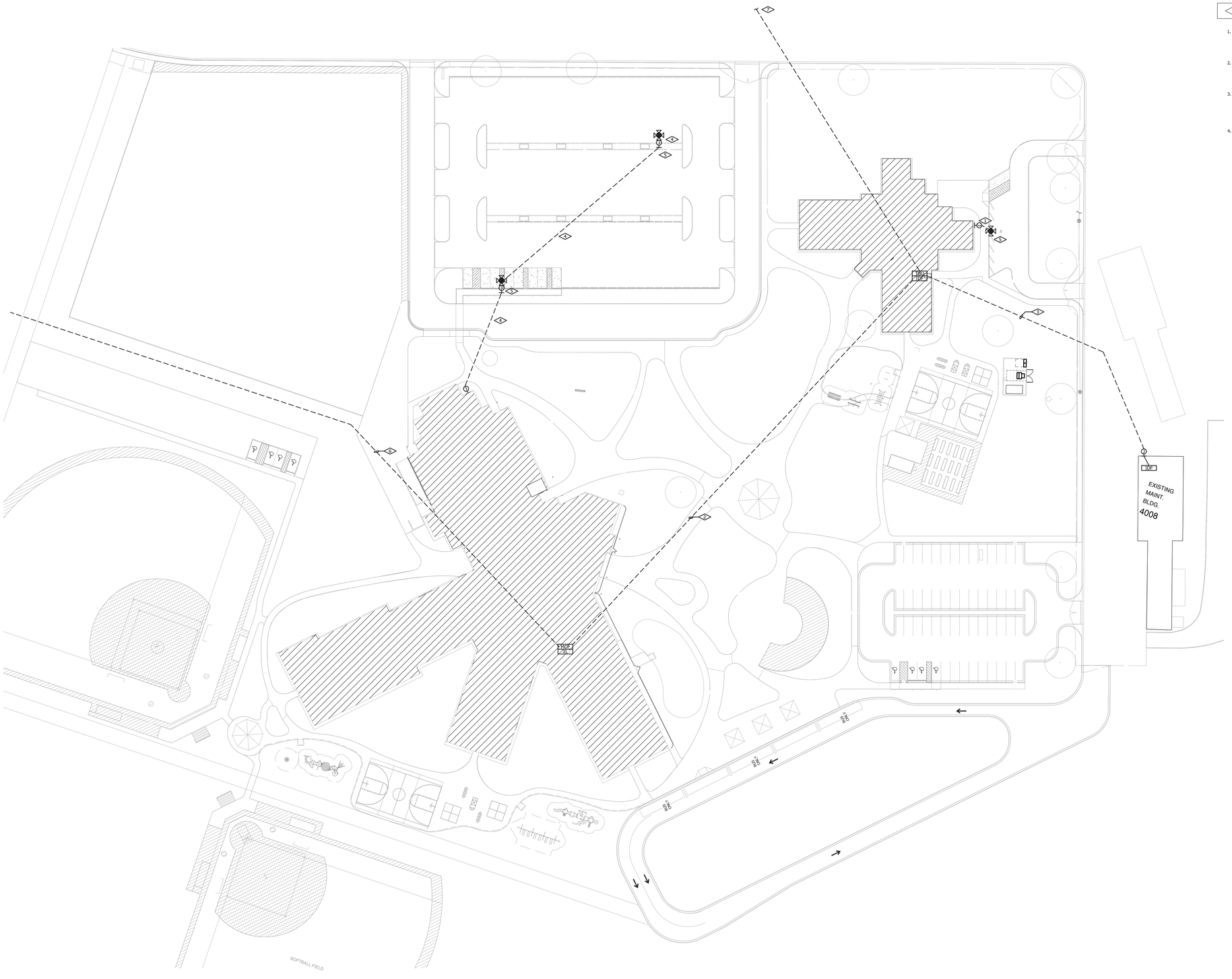
ELECTRICAL PANEL SCHEDULES

E-705

School Information

Bridgers & Paxton Project No: 8226 10/1/2020 3:45:54 PM D:\Revit 2019\Projects\8226_DCS Classroom_MEP_AMHerrera8SZMC.rvt

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 TECHNOLOGY SITE PLAN
1" = 40'-0"

SYMBOL LEGEND

- 360° CAMERA
- PULL/JUCTION BOX
- WALL MOUNTED CAMERA
- MDF MAIN DISTRIBUTION FRAME
- IDF INTERMEDIATE DISTRIBUTION FRAME
- XL MAIN INTERCOM CABINET
- TBU INTERCOM INTERFACE UNIT

KEYED NOTES

1. ELECTRICAL CONTRACTOR TO PROVIDE A 1"PVC(SCH. 80) CONDUIT FROM PULL BOX ON DORM TO LIGHT POLE FOR CAMERA AS SHOWN. PROVIDE CONDUIT WITH NYLON PULL STRING. TECHNOLOGY CONTRACTOR TO PROVIDE CAT6 FROM SCHOOL BUILDING TO CAMERA. MOUNT PERPENDICULAR TO LIGHT FIXTURE. SEE DETAILS ON T-502.
2. ELECTRICAL CONTRACTOR TO PROVIDE (2) 4"PVC(SCH. 80) CONDUITS WITH PULL STRING FROM IT 203 IN CLASS BUILDING TO IT 205 IN DORM BUILDING. RISE CONDUIT TO 3" AFF. PROVIDE WITH BSHINGS. TECHNOLOGY CONTRACTOR TO PROVIDE 1" INNERDUCT WITH 12ST OS2 FIBER.
3. ELECTRICAL CONTRACTOR TO PROVIDE (1) 4"PVC(SCH. 80) CONDUIT WITH PULL STRING FROM IT 205 IN DORM BUILDING TO EXISTING MAINTENANCE BUILDING. PROVIDE A NEW 32"X32"X6" NEMA 3R PULL BOX ON EXTERIOR OF MAINTENANCE BUILDING. PROVIDE 4"C2AC FROM PULL BOX TO ABOVE ACCESSIBLE CEILING SPACE. TECHNOLOGY CONTRACTOR TO PROVIDE 1" INNERDUCT WITH 12ST OS2 FIBER.
4. ELECTRICAL CONTRACTOR TO PROVIDE (1) 1"PVC(SCH.80) CONDUIT FROM PULL BOX ON CLASS BUILDING TO LIGHT POLE FOR CAMERA. PROVIDE CONDUIT WITH NYLON PULL STRING. AT EACH CAMERA LOCATION, TECHNOLOGY CONTRACTOR TO PROVIDE NEMA 2ST OS2 FIBER FROM CLASS BUILDING TO CAMERA POLE. PROVIDE A NEMA 3R BOX WITH 120VAC RECEPTACLE. PROVIDE FIBER/POE INJECTOR CONVERTER IN BOX.

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Jeremy Mohler
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DRAFT
ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

MAY 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	7/23/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	JNM
CHECKED BY:	JNM

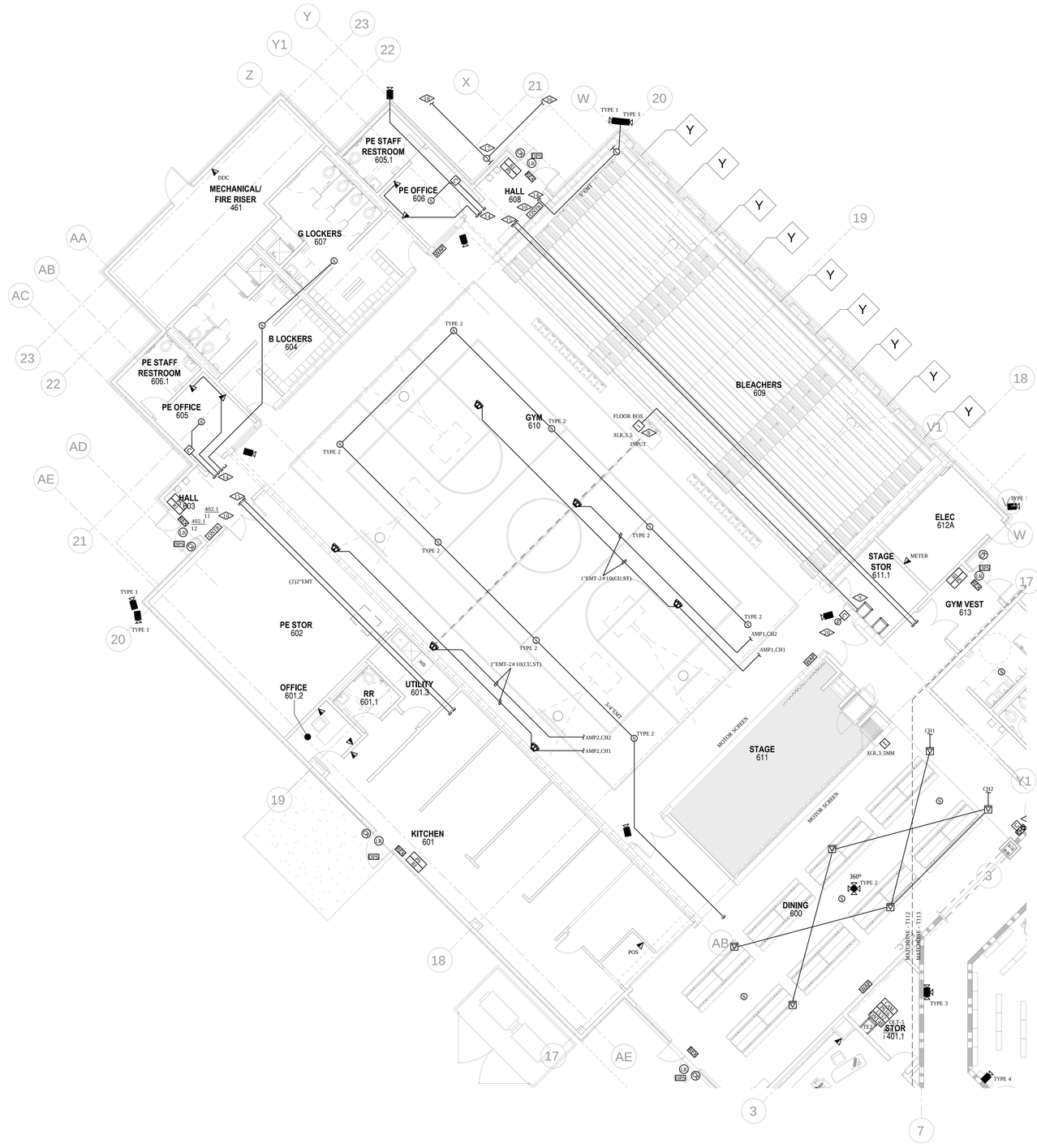
SHEET TITLE
TECHNOLOGY SITE PLAN

T-101S

5/14/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



SYMBOL LEGEND

- XL — INTERCOM: INTERCOM CABINET HEAD-END
- S — SPEAKER - CEILING MOUNT
- C — CALL BUTTON
- H — HORN
- HH — HAND SET
- DATA: WALL DATA DROP (2) CAT6
- FLOORDATA DROP (2) CAT6
- CEILING DATA DROP (2) CAT6
- ONT1R — 8PORT OPTICAL NETWORK TERMINAL
- ONT24 — 24 PORT OPTICAL NETWORK TERMINAL
- 1X32 — SPLITTER/POWER DISTRIBUTION UNIT
- IP CAMERA WITH SINGLE DATA CABLE
- WAP — WIRELESS ACCESS POINT
- CR — ACCESS CONTROL: CARD READER
- DPS — DOOR POSITION SENSOR
- LD — LATCH RETRACTION DEVICE
- PS — DOOR STRIKE
- RI — POWER SUPPLY
- SMS — READER INTERFACE
- AC — SMS POWER SUPPLY
- ACCESS CONTROL CONTROLLER
- LOCK DOWN PUSH BUTTON
- DOOR RELEASE BUTTON
- V — DOOR VIDEO/INTERCOM
- SOUND SYSTEM: LOUD SPEAKER-CEILING
- M — INPUT PLATE
- MICROPHONE INPUT

KEYED NOTES

1. PROVIDE AN EMERGENCY CALL BUTTON FOR INTERCOM SYSTEM. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN
2. PROVIDE A VIDEO DOOR PHONE AT MAIN ENTRY DOOR AT 60" AFG. PROVIDE A DESKTOP RECEIVER WITH DOOR RELEASE. PROVIDE AIPHONE #JO-DV SURFACE MOUNT VANDAL RESISTANT VIDEO DOORBELL AND AIPHONE #JO-1FD DESK MONITOR
3. PROVIDE AND INSTALL NEW MOMENTARY PUSHBUTTON FOR DOOR RELEASE FROM ENTRY 100A INTO HALL 537. PROVIDE BELOW DESK. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION
4. NOT USED
5. PROVIDE PUSH BUTTON ACCESS CONTROL LOCKDOWN MUSHROOM BUTTON WITH TWIST TO RELEASE. UPON ACTIVATION, ALL ACCESS CONTROL DOORS ARE TO ENTER LOCKDOWN MODE AND DIGITAL CLOCKS TO READ LOCKDOWN ACTIVE.
6. PROVIDE AND INSTALL A LOCKDOWN CARD READER FOR TEACHER ACCESS. UPON ACTIVATION, ALL ACCESS CONTROL DOORS ARE TO ENTER LOCKDOWN MODE AND DIGITAL CLOCKS TO READ LOCKDOWN ACTIVE.
7. PROVIDE AND INSTALL CLOCK/SPEAKER COMBINATION FOR INTERCOM.
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9. PROVIDE AUDIO RACK IN STAGE STORAGE TO HOUSE ALL AUDIO EQUIPMENT. SEE DETAIL ON T-503.
10. INSTALL OPTICAL NETWORK TERMINAL (ONT) ABOVE CEILING. PROVIDE PLENUM RATED BRACKET. SEE NETWORK DIAGRAM DETAIL.
11. PROVIDE AND INSTALL NEW WALL MOUNTED EQUIPMENT RACK FOR 48 PORT OPTICAL NETWORK TERMINAL.
12. PROVIDE DATA DROP (2 CAT6) AT OWNER PROVIDED/OWNER INSTALLED DIGITAL PROMETHEAN BOARD. MOUNT AT 66" AFF. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. COORDINATE REQUIREMENTS WITH MANUFACTURER.
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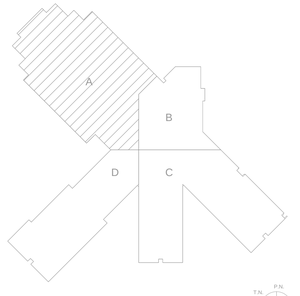

KEY PLAN N.T.S.

A1 TECHNOLOGY FLOOR PLAN A
1/8" = 1'-0"

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Jeremy Schreiber
NM 29439
EXPIRES: 12-31-2020
REGISTERED ARCHITECT
ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

MAY 2020

MARK	DATE	DESCRIPTION

ISSUE:	
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CAD DWG FILE:	
DRAWN BY:	JNM
CHECKED BY:	JNM

SHEET TITLE

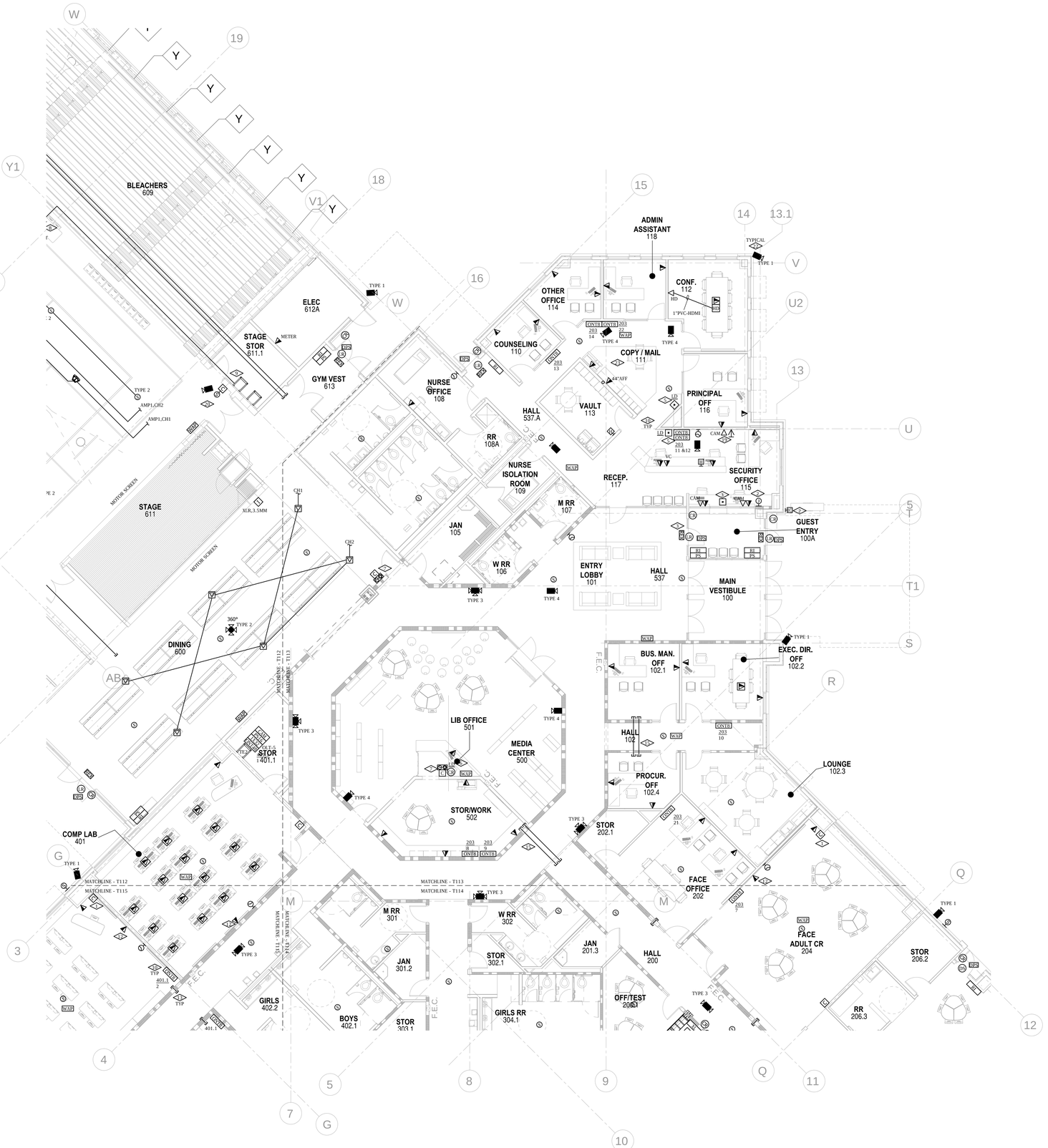
TECHNOLOGY
FLOOR PLAN A

T-112

5/14/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



SYMBOL LEGEND

- XL — INTERCOM: INTERCOM CABINET HEAD-END
- S — SPEAKER - CEILING MOUNT
- C — CALL BUTTON
- H — HORN
- COMBINATION CLOCK/SPEAKER
- H — HAND SET CONSOLE
- DATA: WALL DATA DROP (2) CAT6
- FLOORDATA DROP (2) CAT6
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- ONT/R — 8PORT OPTICAL NETWORK TERMINAL
- ONT/24 — 24 PORT OPTICAL NETWORK TERMINAL
- 1X32 — SPLITTER/POWER DISTRIBUTION UNIT
- IP CAMERA WITH SINGLE DATA CABLE
- WAP — WIRELESS ACCESS POINT
- CR — ACCESS CONTROL: CARD READER
- DPS — DOOR POSITION SENSOR
- LR — LATCH RETRACTION DEVICE
- DS — DOOR STRIKE
- PS — POWER SUPPLY (PROVIDED BY DIV.8, INSTALLED BY DIV. 26)
- RI — READER INTERFACE
- SMS — SMS POWER SUPPLY
- AC — ACCESS CONTROL CONTROLLER
- LD — LOCK DOWN PUSH BUTTON
- DOOR RELEASE BUTTON
- DOOR VIDEO/INTERCOM
- SOUND SYSTEM: LOUD SPEAKER-CEILING
- I — INPUT PLATE
- M — MICROPHONE INPUT

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A1 TECHNOLOGY FLOOR PLAN B
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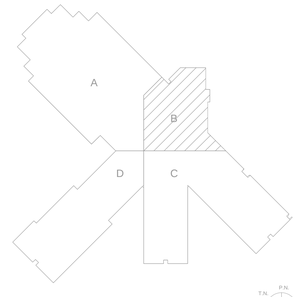

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Jeremy Nobler
No. 29439
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Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
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Bloomfield, NM 87413

MAY 2020

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SHEET TITLE

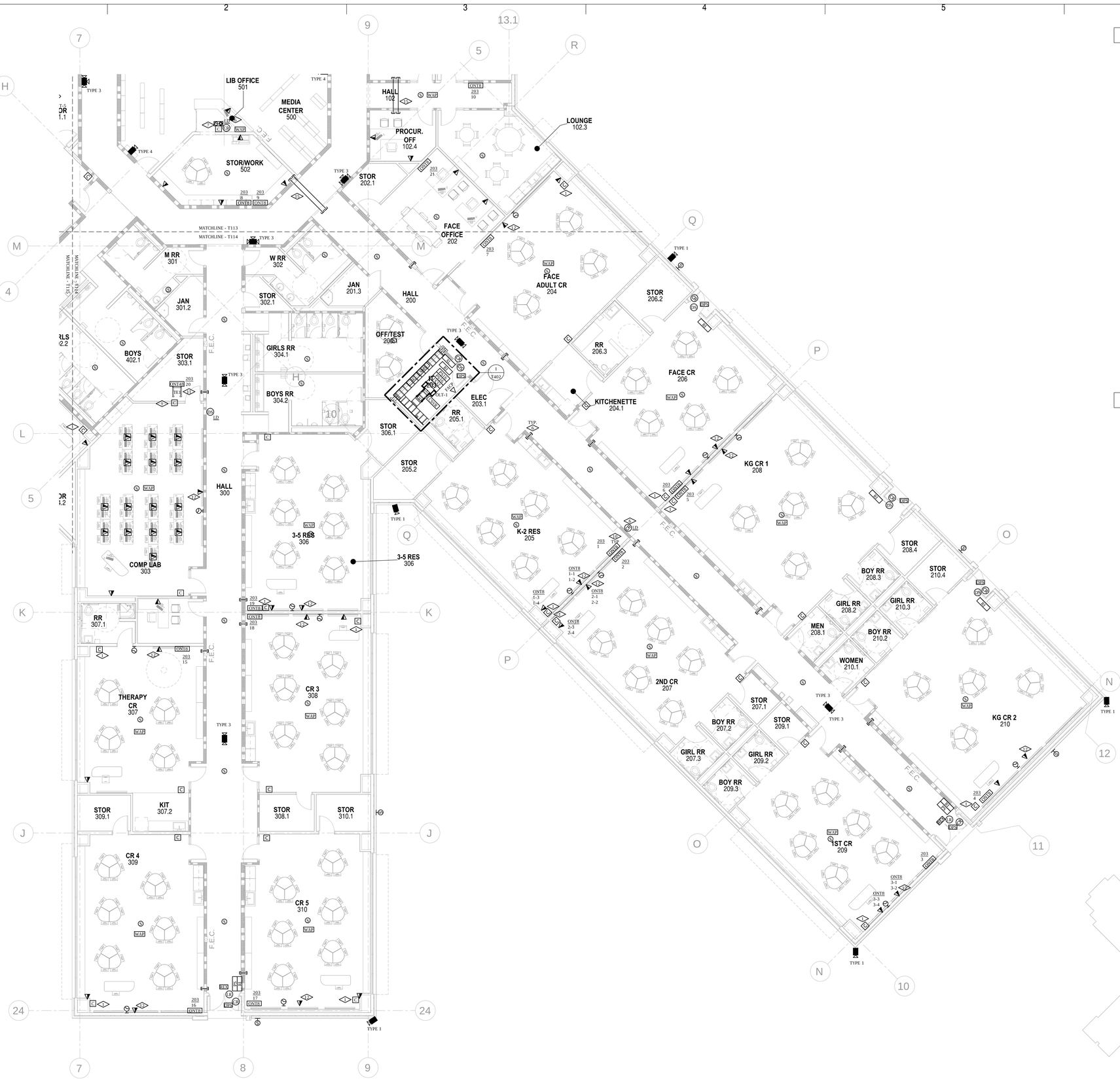
TECHNOLOGY
FLOOR PLAN 'B'

T-113

5/14/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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- 1X32 — SPLITTER/POWER DISTRIBUTION UNIT
- IP CAMERA WITH SINGLE DATA CABLE
- CEILING MOUNT 360° CAMERA
- WAP — WIRELESS ACCESS POINT
- CSVR — CAMERA SERVER
- ACCESS CONTROL
- CR — CARD READER
- DPS — DOOR POSITION SENSOR
- LR — LATCH RETRACTION DEVICE
- DS — DOOR STRIKE
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- RI — READER INTERFACE
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- AC — ACCESS CONTROL CONTROLLER
- LD — LOCK DOWN PUSH BUTTON
- DOOR RELEASE BUTTON
- VH — DOOR VIDEO/INTERCOM
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A1 TECHNOLOGY FLOOR PLAN C
1/8" = 1'-0"

KEY PLAN — N.T.S.

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Jeremy Schindler 759439 12-03-2021 RECD
ARCHITECT

Dzilth-Na-O-Dith-Hle Community Grand School — Your Each Child Success

Dzilth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

MAY 2020

MARK	DATE	DESCRIPTION

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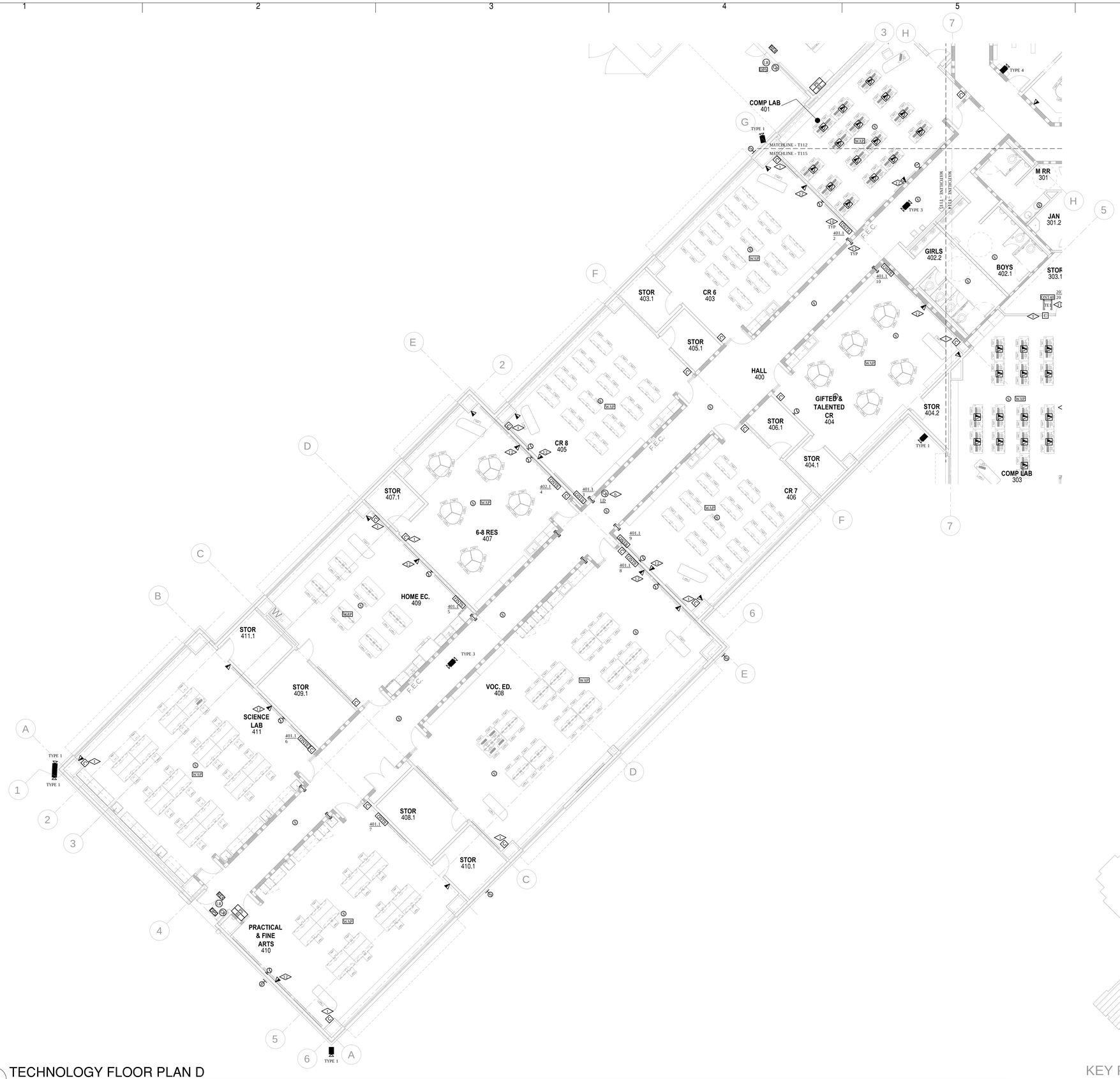
SHEET TITLE
TECHNOLOGY FLOOR PLAN C

T-114

5/14/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



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- DS — DOOR STRIKE
- PS — POWER SUPPLY
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- SMS — SMS POWER SUPPLY
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- LD — LOCK DOWN PUSH BUTTON
- DOOR RELEASE BUTTON
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- V — LOUD SPEAKER-CEILING
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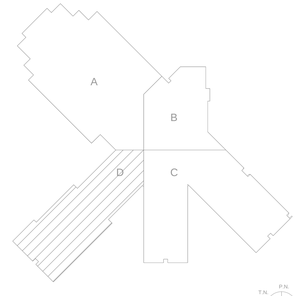

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Jeremy J. Schiller
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REGISTERED ARCHITECT
ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

MAY 2020

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	7/23/2020
PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	JNM
CHECKED BY:	JNM

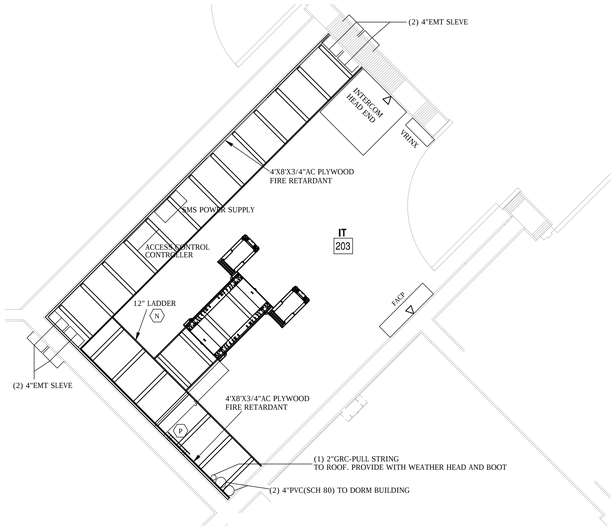
SHEET TITLE
TECHNOLOGY FLOOR PLAN D

T-115

5/14/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



1 IT 203
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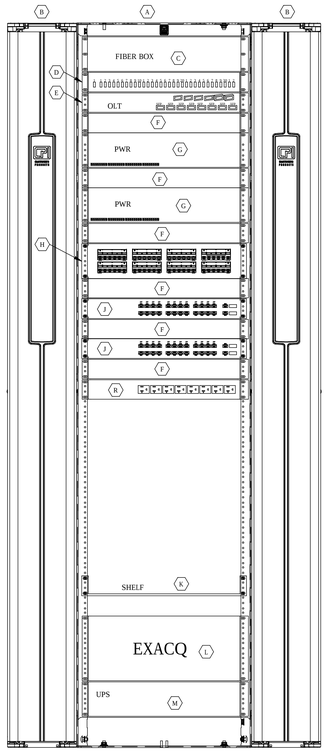
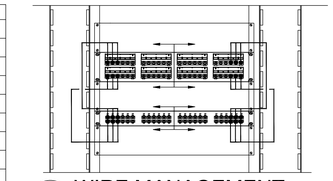
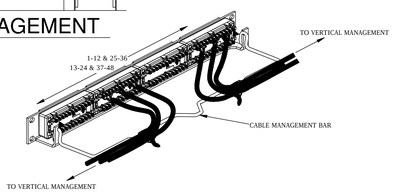


2 IT 203-RACK BUILD
NTS

SYM	MANUFACTURER	MODEL #	DESCRIPTION
A	CHATSWORTH	15217-703	4-POST ADJUSTABLE, 45U RACK
B	CHATSWORTH	32611-703	7' SINGLE SIDED MANAGER
C	OCC	RTC2U-6APB	FIBER TERMINATION UNIT
D	AFL	FM000775	1X32 OPTICAL SPLITTER
E	TELLABS	OLT1	OPTICAL LINE TERMINAL
F	CHATSWORTH	35432-701	HORIZONTAL MANAGER
G	ALTRONIX	VERTILINE48M	16 OUTPUT POWER SUPPLY
H	COMMSCOPE	UNP-6-2U-48	CAT 6, 48 PORT PATCH PANEL
J	AXIS	T8524	24 PORT CAMERA SWITCH
K	CHATSWORTH	12291-701	10"D SHELF
L	EXACQ VISION	IP08-180T-R4Z	160TB CAMERA SERVER
M	TRIPLITE	SMART1500RM2U	UPS
N	CHATSWORTH	10250-703	12" LADDER RACK
P	CHATSWORTH	40153-012	4"H X 12"W X 0.25"D GROUND BAR (TMGB)
R	CHATSWORTH	12816-705	(8) 5-20R, 1.9kW POWER STRIPS



3 WIRE MANAGEMENT
NTS



5 PATCH PANEL WIRING
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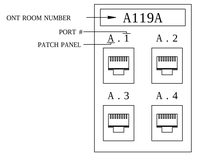
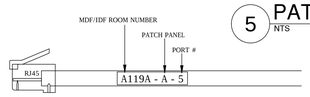
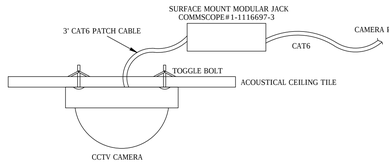


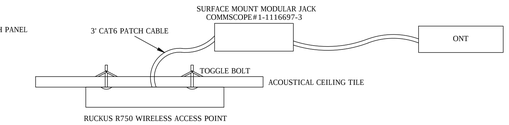
4 TELECOM OUTLET I.D.
NTS



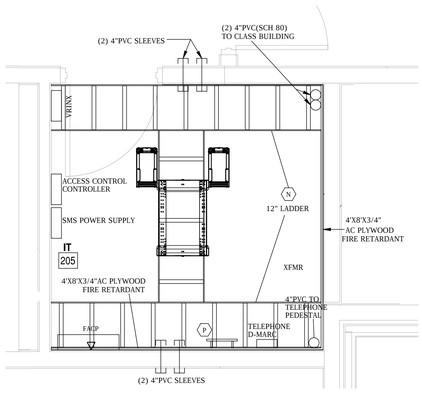
4 CLASSROOM TELECOM CABLE I.D.
NTS



7 CAMERA MOUNTING
NTS



8 WAP CEILING MOUNT
NTS



6 IT 203
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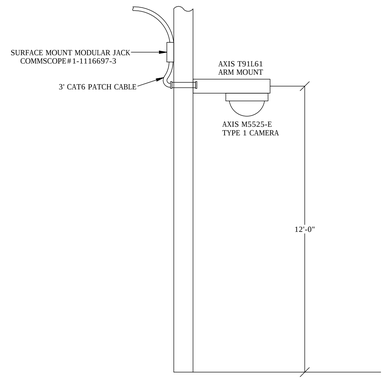

9 EXTERIOR PTZ MOUNT
NTS

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DRAFT
ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
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Bloomfield, NM 87413

MAY 2020

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SHEET TITLE

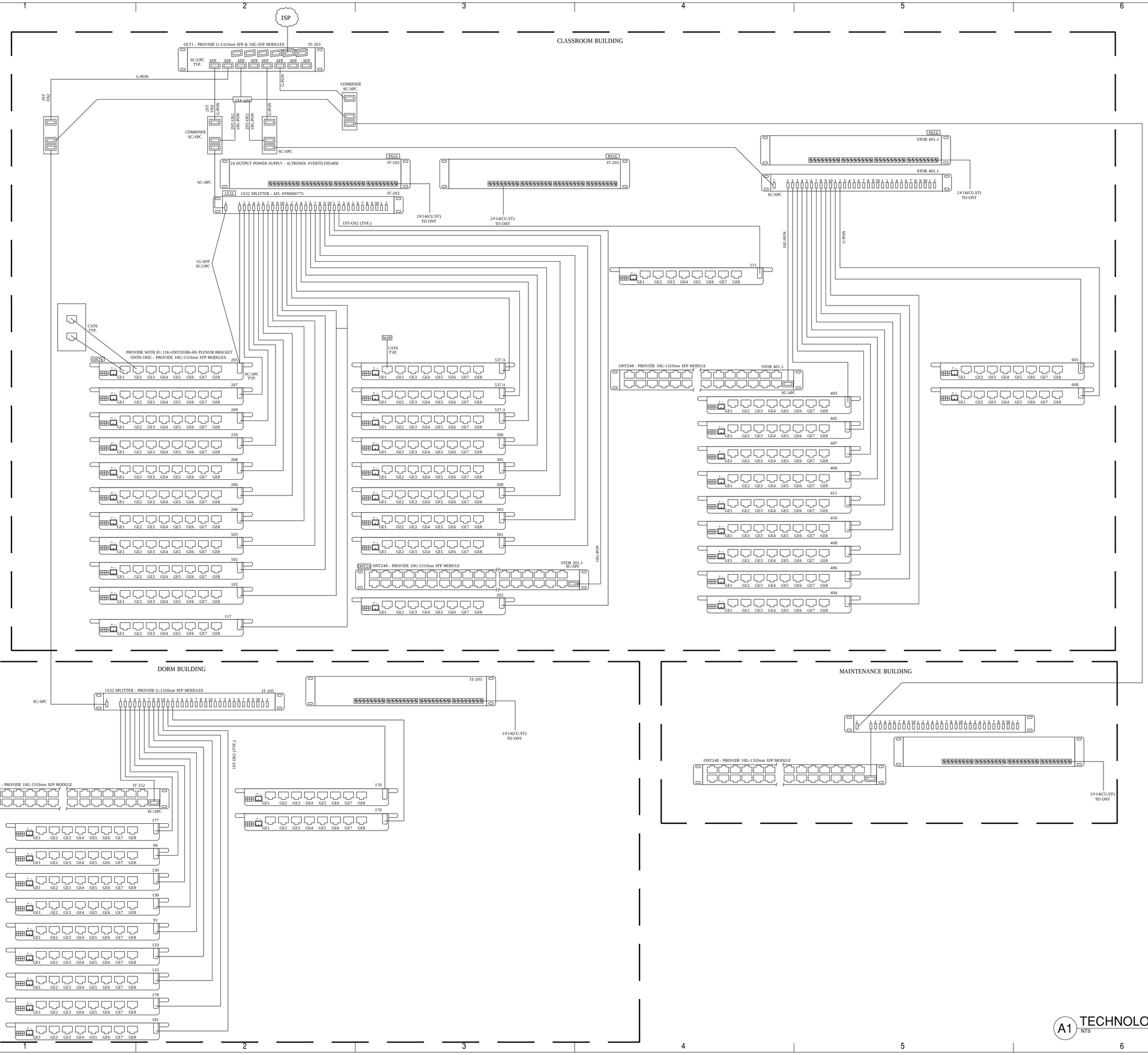
TECHNOLOGY
NETWORK RISER

T-402

5/14/2020

School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 TECHNOLOGY RISER
NTS

5/14/2020

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Jeremy Schaffer 59439 EXP. 12-31-2021
DRAFT
ARCHITECT

Dziłth-Na-O-Dith-Hle Community School

DESIGN DEVELOPMENT
35 Road 7585
Bloomfield, NM 87413

MAY 2020

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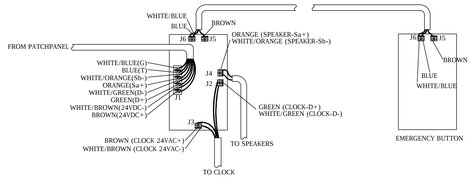
SHEET TITLE

TECHNOLOGY
NETWORK RISER

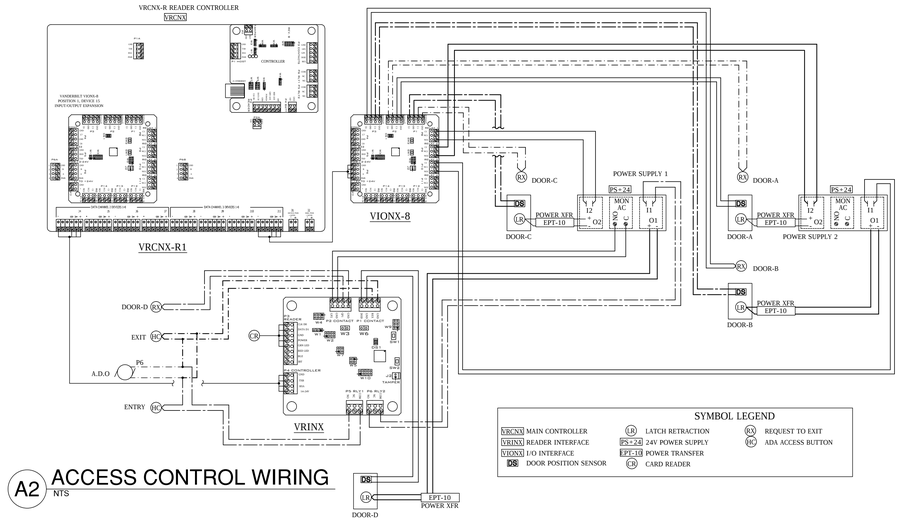
T-501

School Information

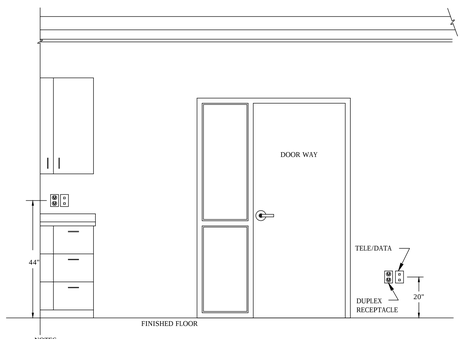
DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL



A1 INTERCOM CALL BUTTON WIRING
NTS

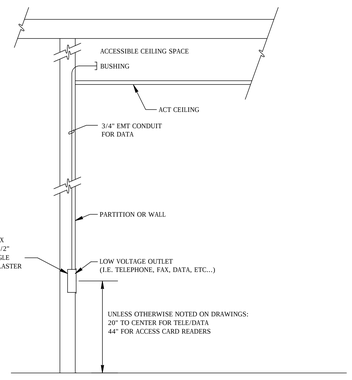


A2 ACCESS CONTROL WIRING
NTS



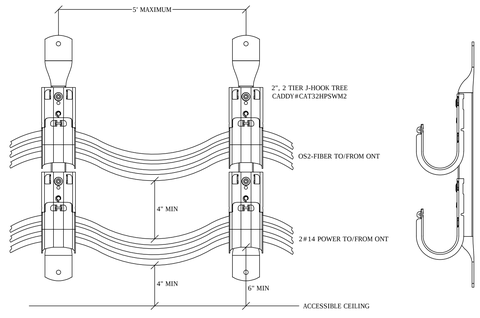
NOTES:
1. ALL DEVICES SHOWN ON THIS DETAIL ARE FOR REFERENCES OF MOUNTING HEIGHTS ONLY. THE ELECTRICAL CONTRACTOR SHALL FIELD ADJUST THE HEIGHTS OF THE DEVICES AS REQUIRED FOR PROPER MOUNTING OF THE DEVICES.
2. ALL DEVICES REQUIRED FOR THIS PROJECT MAY NOT APPEAR ON THIS DETAIL. ALL ITEMS SHOWN ON THIS DETAIL MAY NOT BE REQUIRED FOR THIS PROJECT.

A3 DEVICE MOUNTING HEIGHT
NTS



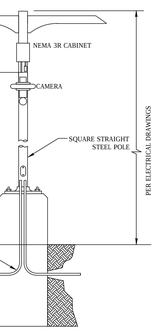
NOTES:
1. ALL LOW VOLTAGE CABLE IS TO BE PLENUM RATED.
2. CABLE INSTALLED ABOVE NON-ACCESSABLE CEILINGS AND WHERE EXPOSED SHALL BE IN CONDUIT. CABLING INSTALLED ABOVE ACCESSABLE CEILING SHALL BE INSTALLED WITHIN A CABLE MANAGEMENT SYSTEM SUCH AS BRIDAL RINGS, LOOPS OR OTHER APPROVED HANGERS. SUPPORT CABLING A MINIMUM OF EVERY 6'.

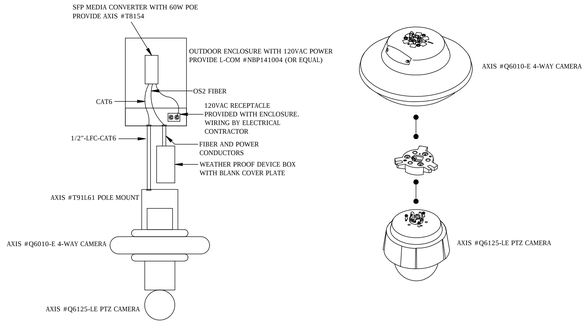
A4 LOW VOLTAGE OUTLET DETAIL
NTS



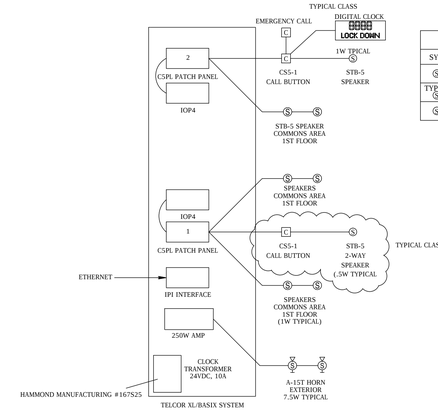
NOTES:
1. PROVIDE J-HOOK MANAGEMENT ABOVE ACCESSIBLE CEILING SPACES. ALL CABLING TO BE PLENUM RATED
2. DO NOT PUT OS2 FIBER AND POWER CONDUCTORS IN SAME J-HOOK.

A5 J-HOOK WIRE MANAGEMENT
NTS



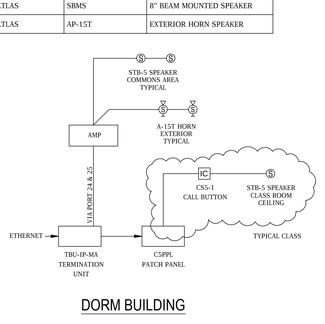


A6 POLE-CAMERA DETAIL
NTS



CLASS BUILDING

SPEAKER LEGEND			
SYM	MANUFACTURER	MODEL #	DESCRIPTION
S	TELECOR	STB-5	1X4 DROP IN CEILING SPEAKER
TYPE 2 S	ATLAS	SBMS	8" BEAM MOUNTED SPEAKER
S H	ATLAS	AP-15T	EXTERIOR HORN SPEAKER



DORM BUILDING

A7 BUILDING INTERCOM RISER
NTS

5/14/2020

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Jeremy Schuler
#1059439
EXPIRES: 03-31-2021

Dził'th-Na-O-Dith-Hle Community School

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Bloomfield, NM 87413

MAY 2020

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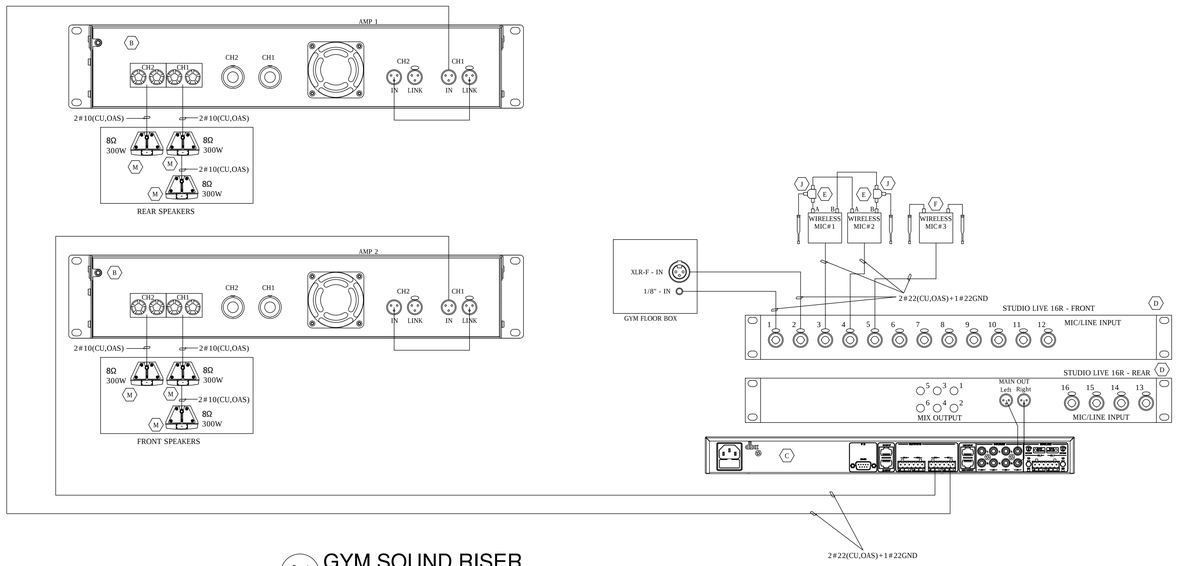
SHEET TITLE

TECHNOLOGY DETAILS

T-502

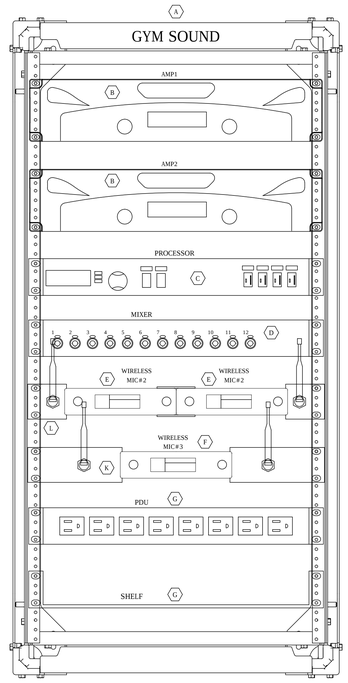
School Information

DZIŁTH-NA-O-DITH-HLE COMMUNITY SCHOOL

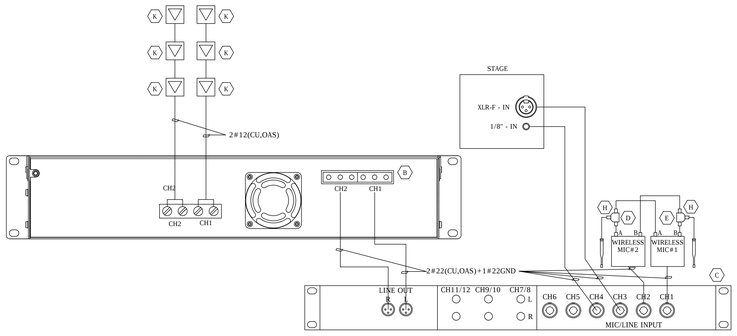


A1 GYM SOUND RISER
NTS

GYM SOUND EQUIPMENT			
SYM	MANUFACTURER	MODEL #	DESCRIPTION
A	CHATSWORTH	11791-725	19"W X 25"X SWING GATE WALL RACK, 20U
B	CROWN	XTI4002	1200W AMPLIFIER
C	DBX	DBX ZONE PRO 640	DIGITAL ZONE PROCESSOR
D	PRESONUS	STUDIOLIVE 16R	16 INPUT RACK MOUNT MIXER
E	ELECTRO-VOICE	RE3-ND76	UHF WIRELESS HANDHELD SET
F	ELECTRO-VOICE	RE3-BPOL	UHF WIRELESS LAVALIER SET
G	CHATSWORTH	12816-705	(8) 5-20R, NEMA 5-20P POWER STRIP
H	CHATSWORTH	40974-719	RACK MOUNT SHELF
J	ELECTRO-VOICE	RE3-ACC-PASP	1X2 PASSIVE ANTENNA SPLITTER
K	ELECTRO-VOICE	RMK1	RACK MOUNT KIT FOR SINGLE RECEIVER
L	ELECTRO-VOICE	RE3-ACC-RMK2	RACK MOUNT KIT FOR TWO RECEIVERS
M	ELECTRO-VOICE	SX300	12", 300WATT, COMPACT SPEAKER

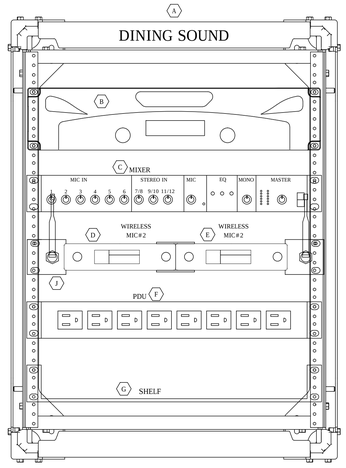


A2 GYM SOUND RACK
NTS



A1 DINING SOUND RISER
NTS

DINING SOUND EQUIPMENT			
SYM	MANUFACTURER	MODEL #	DESCRIPTION
A	CHATSWORTH	11790-725	19"W X 25"X SWING GATE WALL RACK, 12U
B	CROWN	CDI4000	1000W, 70V AMPLIFIER
C	DENON	DN-312X	12 INPUT RACK MOUNT MIXER
D	ELECTRO-VOICE	RE3-ND76	UHF WIRELESS HANDHELD SET
E	ELECTRO-VOICE	RE3-BPOL	UHF WIRELESS LAVALIER SET
F	CHATSWORTH	12816-705	(8) 5-20R, NEMA 5-20P POWER STRIP
G	CHATSWORTH	40974-719	RACK MOUNT SHELF
H	ELECTRO-VOICE	RE3-ACC-PASP	1X2 PASSIVE ANTENNA SPLITTER
J	ELECTRO-VOICE	RE3-ACC-RMK2	RACK MOUNT KIT FOR TWO RECEIVERS
K	ELECTRO-VOICE	EVID C8.2HC	8", 8OHM , CEILING SPEAKER



A4 DINING SOUND RACK
NTS

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Jeremy Mohler
559439
07-31-2021
RCDD

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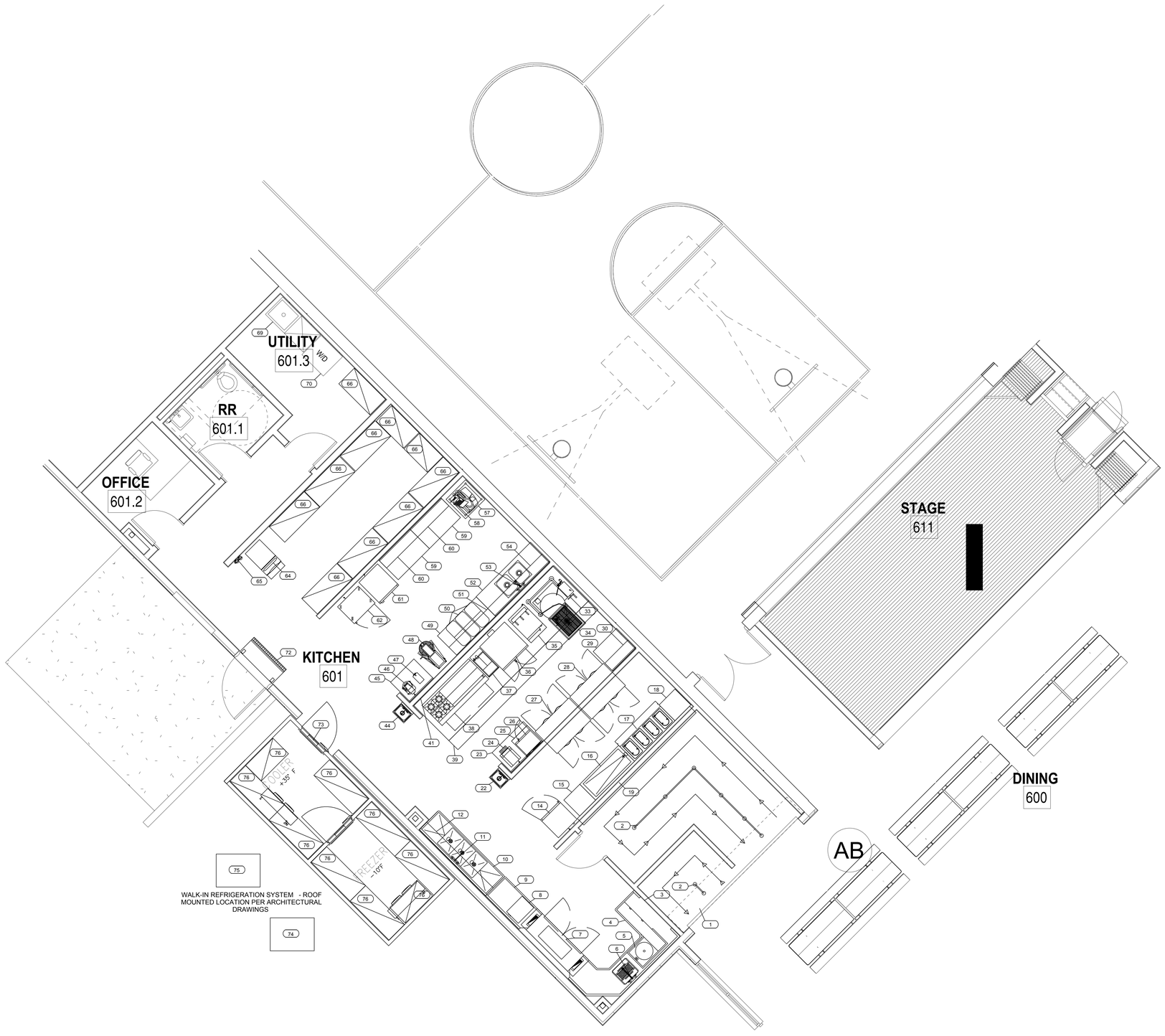
SHEET TITLE

TECHNOLOGY DETAILS

T-503

5/14/2020

School Information



SCALE: 1/4" = 1'-0"

0' 5' 10'

NORTH

EQUIPMENT SCHEDULE

ITEM NO.	QTY REQ'D	N.I.C.	DESCRIPTION	NOTES
			KITCHEN	
1	1	X	ROLL DOWN SECURITY DOOR	
2	LOT		STANTON, STATIONARY	
3	1		DROP-OFF WINDOW	
4	1		SOILED DISHTABLE W/ TROUGH	
5	1		FOOD WASTE COLLECTOR	
6	1		PRE-RINSE FAUCET	
7	1	X	DISHWASHER	EXISTING
8	1	X	BOOSTER HEATER	EXISTING
9	1		CLEAN DISHTABLE	
10	1		THREE COMPARTMENT SINK	
11	1		FAUCET	
12	1		OVERSHELF W/ POTRACK, WALL MOUNTED	
13			SPARE NUMBER	
14	1		REFRIGERATED MERCHANDISER	
15	1		POS STATION	
16	1		COLD FOOD WELL UNIT	
17	1		HOT FOOD WELL UNIT	
18	1		WORK TABLE	
19	1		TRAY SLIDE	
20			SPARE NUMBER	
21			SPARE NUMBER	
22	1		HAND SINK	
23	1		WORK TABLE	
24	1		TOASTER	
25	1		MICROWAVE SHELF, WALL MOUNTED	
26	1	X	MICROWAVE OVEN	EXISTING
27	1		REFRIGERATOR, PASS-THRU	
28	1		HEATED CABINET, PASS-THRU	
29	1		WORK TABLE	
30	1		OVERSHELF, WALL MOUNTED	
31			SPARE NUMBER	
32			SPARE NUMBER	
33	1	X	KETTLE, TILTING	EXISTING
34	1		FLOOR TROUGH	
35	1	X	STEAMER	EXISTING
36	1	X	CONVECTION OVEN	EXISTING
37	1		FRYER	
38	1	X	4 O.B. RANGE W/ GRIDDLE	EXISTING
39	1		EXHAUST HOOD SYSTEM	
40	1		FIRE SUPPRESSION SYSTEM	
41	1		WALL FLASHING	
42			SPARE NUMBER	
43			SPARE NUMBER	
44	1		HAND SINK	
45	1		WORK TABLE	
46	1		MIXER, COUNTERTOP	
47	1	X	CAN OPENER	EXISTING
48	1		MIXER, FLOOR MODEL	
49	1		BAKER'S TABLE	
50	3	X	INGREDIENT BIN	EXISTING
51	1		OVERSHELF, WALL MOUNTED	
52	1		WORK TABLE W/ DROP-IN SINK(S)	
53	1		PRE-RINSE FAUCET W/ ADD-ON FAUCET	
54	1		OVERSHELF, WALL MOUNTED	
55			SPARE NUMBER	
56			SPARE NUMBER	
57	1		EQUIPMENT STAND	
58	1	X	SLICER	EXISTING
59	2		WORK TABLE	
60	2		OVERSHELF, WALL MOUNTED	
61	1	X	HEATED CABINET	EXISTING
62	1	X	REACH-IN REFRIGERATOR	EXISTING
63			SPARE NUMBER	
64	1	X	ICE MACHINE W/ BIN	EXISTING
65	1	X	WATER FILTER	EXISTING
66	10		WIRE SHELVING UNIT	
67			SPARE NUMBER	
68			SPARE NUMBER	
69	1		MOP SINK CABINET	
70	1		WASHER/DRYER STACKED	
71			SPARE NUMBER	
72	1		AIR CURTAIN	
73	1		WALK-IN COOLER/FREEZER COMBO	
74	1		REFRIGERATION SYSTEM - COOLER	
75	1		REFRIGERATION SYSTEM - FREEZER	
76	12		WIRE SHELVING UNIT	
77			SPARE NUMBER	

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Dzilth-Na-O-Dith-Hle Community School

BLOOMFIELD, NM

REVISIONS		
#	DATE	DESCRIPTION
1	6/30/20	OWNER'S REVISION
2	7/13/20	OWNER'S REVISION
3	8/6/20	OWNER'S REVISION

DRAWN BY: Erica R. Sierra

SCALE: 1/4"=1'-0"

DATE: 6/15/2020

FOODSERVICE EQUIPMENT FLOOR PLAN

FS101

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FOODSERVICE EQUIPMENT UTILITY SCHEDULE

FS#	QTY	DESCRIPTION	PROVIDED BY:	VOLTS	PH	AMPS	KW	HP	NEMA	ELECTRICAL AFF (IN)	ELECTRICAL REMARKS	COLD WATER	HOT WATER	PLUMBING AFF (IN)	DIRECT DRAIN SIZE (IN)	INDIRECT DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
61		HEATED CABINET	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
62		REACH-IN REFRIGERATOR	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
63		SPARE NUMBER																		
64		ICE MACHINE W/ BIN	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
65		WATER FILTER	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
66		WIRE SHELVING UNIT	BY KEC									1/2"	1/2"	12"						
67		SPARE NUMBER																		
68		SPARE NUMBER																		
69		MOP SINK	BY KEC									1/2"	1/2"	48"	4"					STUB-UP
70		WASHER/DRYER STACKED	BY KEC	240	1	15.0				48"		1/2"	1/2"	48"		1-1/2"				
71		SPARE NUMBER																		
72		AIR CURTAIN	BY KEC	250	1	20.0				96"										
73		WALK-IN COOLER/FREEZER	BY KEC								REFER TO MFG DRAWINGS									REFER TO MFG DRAWINGS
74		REFRIGERATION SYSTEM - COOLER	BY KEC								REFER TO MFG DRAWINGS									REFER TO MFG DRAWINGS
75		REFRIGERATION SYSTEM - FREEZER	BY KEC								REFER TO MFG DRAWINGS									REFER TO MFG DRAWINGS
76		WIRE SHELVING UNIT	BY KEC																	
77		SPARE NUMBER																		

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BLOOMFIELD, NM

REVISIONS		
#	DATE	DESCRIPTION
1		

DRAWN BY: Erica R. Sierra
SCALE: N.T.S.
DATE: 7/26/13

FOODSERVICE EQUIPMENT UTILITY SCHEDULE

FS201

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FOODSERVICE EQUIPMENT UTILITY SCHEDULE

FS#	QTY	DESCRIPTION	PROVIDED BY:	VOLTS	PH	AMPS	KW	HP	NEMA	ELECTRICAL AFF (IN)	ELECTRICAL REMARKS	COLD WATER	HOT WATER	PLUMBING AFF (IN)	DIRECT DRAIN SIZE (IN)	INDIRECT DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
1		OVERHEAD DOOR	BY GC								VERIFY W/ GC									VERIFY W/ GC
2		CROWD CONTROL STENCHION	BY KEC																	
3		DROP-OFF WINDOW	BY KEC																	
4		SOILED DISHTABLE	BY KEC													1-1/2"				
5		WASTE COLLECTOR	BY KEC	460	3	1.5				18"		3/4"	3/4"	18"	2"					
6		PRE-RINSE FAUCET	BY KEC									1/2"	1/2"	12"						
7		DISHWASHER	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
8		BOOSTER HEATER	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
9		CLEAN DISHTABLE	BY KEC																	
10		THREE COMPARTMENT SINK	BY KEC													1-1/2"				
11		FAUCET	BY KEC									1/2"	1/2"	12"						
12		OVERSHELF W/ POT RACK, WALL MOUNTED	BY KEC																	
13		SPARE NUMBER																		
14		REFRIGERATED MERCHANDISER	BY KEC	120	1	3.0				24"										
15		POS STATION	BY KEC																	
16		COLD FOOD WELL UNIT	BY KEC	120	1	6.0				24"						1"				
17		HOT FOOD WELL UNIT	BY KEC	120/208	1	17.6				24"						1"				
18		WORK TABLE	BY KEC																	
19		TRAY SLIDE	BY KEC																	
20		SPARE NUMBER																		
21		SPARE NUMBER																		
22		HAND SINK	BY KEC									3/4"	3/4"	18"	1-1/2"					
23		WORK TABLE	BY KEC																	
24		TOASTER	BY KEC	208	1	22.4				48"										
25		MICROWAVE SHELF, WALL MOUNTED	BY KEC																	
26		MICROWAVE OVEN	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
27		REFRIGERATOR, PASS-THRU	BY KEC	120	1	6.5				96"										
28		HEATED CABINET, PASS-THRU	BY KEC	208/240	1	20.0				96"										
29		WORK TABLE	BY KEC																	
30		OVERSHELF, WALL MOUNTED	BY KEC																	
31		SPARE NUMBER																		
32		SPARE NUMBER																		
33		KETTLE, TILTING	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
34		FLOOR TROUGH	BY KEC													4"				STUB-UP
35		STEAMER	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
36		CONVECTION OVEN	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
37		FRYER	BY KEC														3/4"	70	18"	
38		4 O.B. RANGE W/ GRIDDLE	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
39		EXHAUST HOOD SYSTEM	BY KEC																	
40		FIRE SUPPRESSION SYSTEM	BY KEC																	
41		WALL FLASHING	BY KEC																	
42		SPARE NUMBER																		
43		SPARE NUMBER																		
44		HAND SINK	BY KEC									3/4"	3/4"	18"	1-1/2"					
45		WORK TABLE	BY KEC																	
46		MIXER, COUNTERTOP	BY KEC	120	1	5.0				48"										
47		CAN OPENER	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
48		MIXER, FLOOR MODEL	BY KEC	220	1	12.0				48"										
49		BAKER'S TABLE	BY KEC																	
50		INGREDIENT BIN	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
51		OVERSHELF, WALL MOUNTED	BY KEC																	
52		WORK TABLE W/ DROP-IN SINK(S)	BY KEC									1/2"	1/2"	12"		1-1/2"				
53		PRE-RINSE W/ ADD-ON FAUCET	BY KEC									1/2"	1/2"	12"		1-1/2"				
54		OVERSHELF, WALL MOUNTED	BY KEC																	
55		SPARE NUMBER																		
56		SPARE NUMBER																		
57		EQUIPMENT STAND	BY KEC																	
58		SLICER	BY OWNER								VERIFY W/ OWNER									VERIFY W/ OWNER
59		WORK TABLE	BY KEC																	
60		OVERSHELF, WALL MOUNTED	BY KEC																	

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#	DATE	DESCRIPTION
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DRAWN BY: Erica R. Sierra

SCALE: N.T.S.

DATE: 7/26/13

FOODSERVICE EQUIPMENT UTILITY SCHEDULE

FS201

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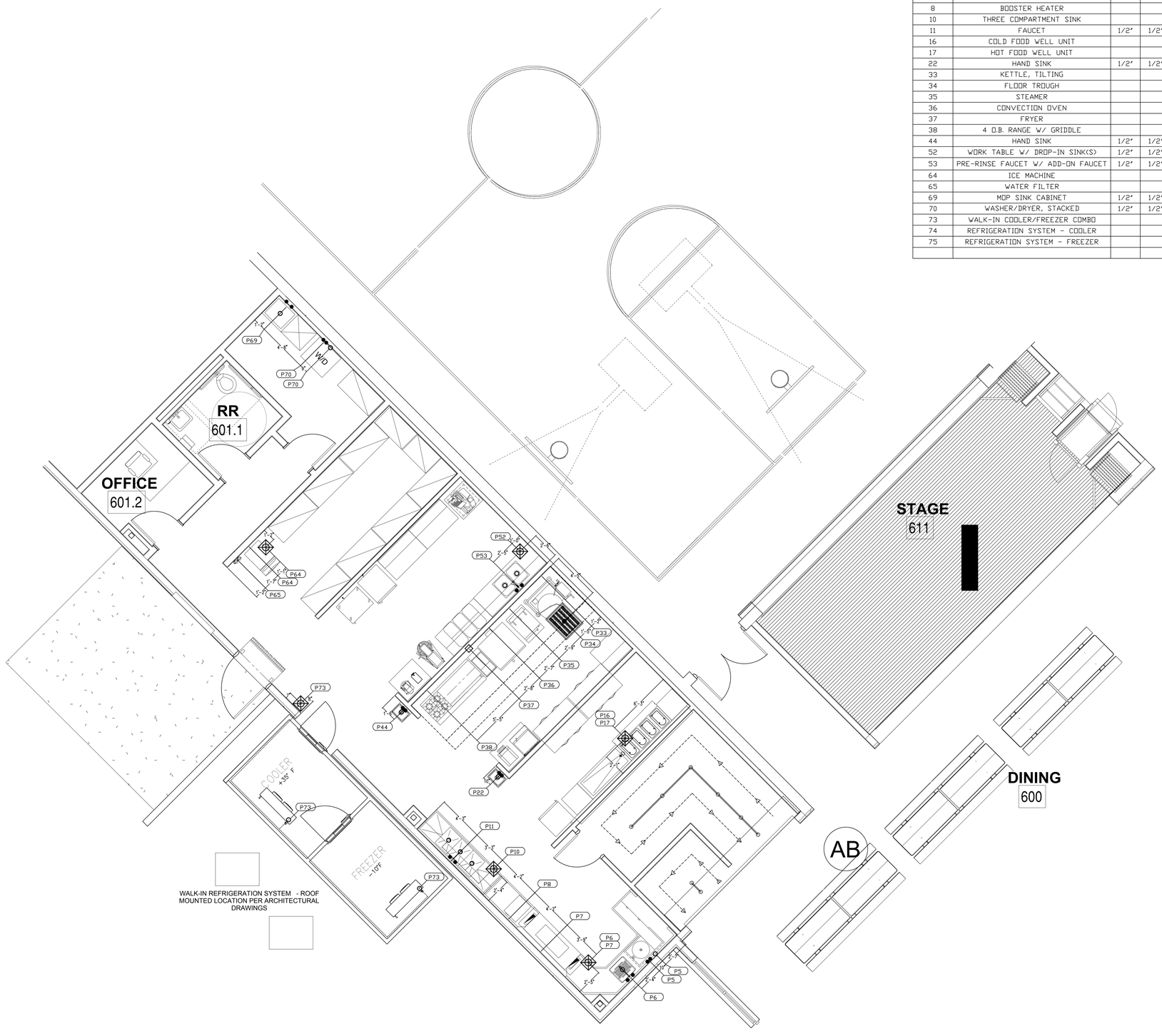
PLUMBING CONNECTION SCHEDULE

ITEM #	DESCRIPTION	HOT WATER	COLD WATER	A.F.F.	INDIRECT WASTE	DIRECT WASTE	A.F.F.	GAS	MBTU	A.F.F.	NOTES
4	SOILED DISHTABLE				1 1/2"						
5	FOOD WASTE COLLECTOR	1/2"	1/2"	18"		2"					
6	PRE-RINSE FAUCET	1/2"	1/2"	18"							
7	DISHWASHER										VERIFY W/ OWNER
8	BOOSTER HEATER										VERIFY W/ OWNER
10	THREE COMPARTMENT SINK				1 1/2"						
11	FAUCET	1/2"	1/2"	18"							
16	COLD FOOD WELL UNIT				1"						
17	HOT FOOD WELL UNIT				1"						
22	HAND SINK	1/2"	1/2"	18"		1 1/2"	12"				
33	KETTLE, TILTING										VERIFY W/ OWNER
34	FLOOR TROUGH					4"					STUB-UP
35	STEAMER										VERIFY W/ OWNER
36	CONVECTION OVEN										VERIFY W/ OWNER
37	FRYER							3/4"	70	18"	
38	4 O.B. RANGE W/ GRIDDLE										VERIFY W/ OWNER
44	HAND SINK	1/2"	1/2"	18"		1 1/2"	12"				
52	WORK TABLE W/ DROP-IN SINK(S)	1/2"	1/2"	18"	1 1/2"						
53	PRE-RINSE FAUCET W/ ADD-ON FAUCET	1/2"	1/2"	18"							
64	ICE MACHINE										VERIFY W/ OWNER
65	WATER FILTER										VERIFY W/ OWNER
69	MOP SINK CABINET	1/2"	1/2"	48"		4"					STUB-UP
70	WASHER/DRYER, STACKED	1/2"	1/2"	48"		2"					
73	WALK-IN COOLER/FREEZER COMBO										REFER TO MFG DRAWINGS
74	REFRIGERATION SYSTEM - COOLER										REFER TO MFG DRAWINGS
75	REFRIGERATION SYSTEM - FREEZER										REFER TO MFG DRAWINGS



SCALE: 1/4" = 1'-0"

0' 5' 10'

NORTH

PLUMBING SYMBOLS

- WATER
- DRAIN
- GAS CONNECTION POINT
- GAS MANIFOLD DROP
- FLOOR DRAIN (FD)
- FLOOR DRAIN W/ FUNNEL (FFD)
- FLOOR SINK (FS)

AFF ABOVE FINISHED FLOOR
SU STUB UP (OUT OF FLOOR)
OW OUT OF WALL

PLUMBING NOTES:

1. THIS PLAN IS INTENDED TO SHOW REQUIREMENTS WHICH ARE NECESSARY TO THE FUNCTION OF OR DIRECTLY RELATED TO THE FOOD SERVICE EQUIPMENT SUPPLIED BY NATIONAL RESTAURANT SUPPLY ONLY. ALL REQUIREMENTS FOR SERVICES FOR OTHER EQUIPMENT LISTED EITHER EXISTING OR "BY OTHER" ARE PROVIDED ELSEWHERE.
2. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO THE FOOD SERVICE EQUIPMENT.
3. THE PLUMBING CONTRACTOR SHALL PROVIDE ACCESSIBLE SHUTOFF VALVES ON ALL WATER, GAS AND STEAM LINES.
4. ALL ROUGH-INS INDICATED AT WALLS SHALL BE CONCEALED IN THE WALL AND STUBBED OUT OF THE WALL AT THE HEIGHT INDICATED.
5. ABOVE FLOOR DIMENSIONS ARE GIVEN FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN.
6. ALL INDIRECT WASTE LINES SHALL TERMINATE ONE (1) INCH ABOVE

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REVISIONS

#	DATE	DESCRIPTION
1		

DRAWN BY: Erica R. Sierra
SCALE: 1/4"=1'-0"
DATE: 8/24/2020

FOODSERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN

FS301

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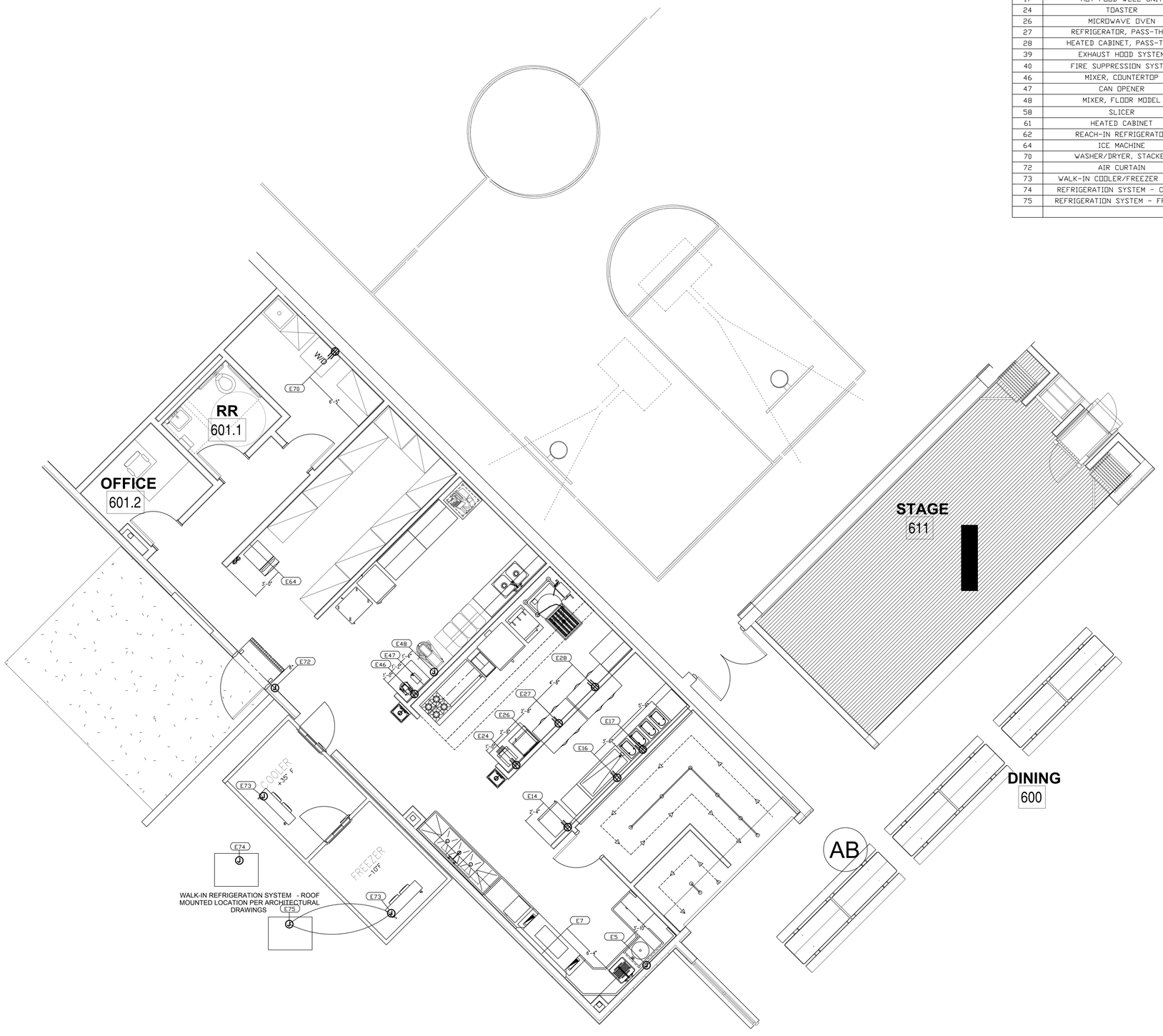
ELECTRICAL CONNECTION SCHEDULE

ITEM #	DESCRIPTION	VOLTS	CYCLE	PHASE	AMPS	JUNCTION BOX	PLUG	AFF	NOTES
5	FOOD WASTE COLLECTOR	460	60	3	1.5	X		18"	
7	DISHWASHER								VERIFY W/ OWNER
14	REFRIGERATED MERCHANDISER	120	60	1	3.0		X	24"	
16	COLD FOOD WELL UNIT	120	60	1	6.0		X	24"	
17	HOT FOOD WELL UNIT	120/208	60	1	17.6		X	24"	
24	TOASTER	208	60	1	22.4		X	48"	
26	MICROWAVE OVEN								VERIFY W/ OWNER
27	REFRIGERATOR, PASS-THRU	120	60	1	6.5		X	96"	
28	HEATED CABINET, PASS-THRU	208/604	60	1	20.0		X	96"	
39	EXHAUST HOOD SYSTEM								REFER TO MFG DRAWINGS
40	FIRE SUPPRESSION SYSTEM								REFER TO MFG DRAWINGS
46	MIXER, COUNTERTOP	120	60	1	5.0		X	48"	
47	CAN OPENER								VERIFY W/ OWNER
48	MIXER, FLOOR MODEL	220	60	1	12.0		X	48"	
58	SLICER								VERIFY W/ OWNER
61	HEATED CABINET								VERIFY W/ OWNER
62	REACH-IN REFRIGERATOR								VERIFY W/ OWNER
64	ICE MACHINE								VERIFY W/ OWNER
70	WASHER/DRYER, STACKED	240	60	1	15.0		X	48"	
72	AIR CURTAIN	250	60	1	20.0	X		96"	
73	WALK-IN COOLER/FREEZER COMBO								REFER TO MFG DRAWINGS
74	REFRIGERATION SYSTEM - COOLER								REFER TO MFG DRAWINGS
75	REFRIGERATION SYSTEM - FREEZER								REFER TO MFG DRAWINGS



SCALE: 1/4" = 1'-0"

0' 5' 10'

NORTH

ELECTRICAL SYMBOLS

- DUPLEX RECEPTICAL
- SINGLE RECEPTICAL (20 AMP)
- JUNCTION BOX
- SPECIAL RECEPTICAL--208V
- DIRECT CONNECTION
- POINT OF CONNECTION
- D DROP CORD FROM CEILING
- AFF ABOVE FINISHED FLOOR
- SU STUB UP (OUT OF FLOOR)
- DFA DROP FROM ABOVE

ELECTRICAL NOTES:

1. THIS PLAN IS INTENDED TO SHOW REQUIREMENTS ONLY WHICH ARE NECESSARY TO THE FUNCTION OF OR IS DIRECTLY RELATED TO THE FOOD SERVICE EQUIPMENT SUPPLIED BY NATIONAL RESTAURANT SUPPLY. ALL REQUIREMENTS FOR SERVICES OF EXISTING OR "BY OTHER" EQUIPMENT ARE TO BE PROVIDED ELSEWHERE.
2. ABOVE FLOOR DIMENSIONS ARE GIVEN FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN LOCATION.
3. ALL JUNCTION BOXES, CONVENIENCE OUTLETS AND SPECIAL PURPOSE OUTLETS SHOWN ON FABRICATED WORK TABLES AND COUNTERS SHALL BE FURNISHED AND/ OR INSTALLED BY THE ELECTRICAL CONTRACTOR EXCEPT AS NOTED ON THE CONTRACT DOCUMENTS.
4. ELECTRICAL CONTRACTOR SHALL INTERWIRE LIGHT FIXTURES AND SWITCHES FURNISHED BY NATIONAL RESTAURANT SUPPLY AND MAKE ALL FINAL CONNECTIONS.
5. ALL DISCONNECT DEVICES ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE SAME. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO LOCATE ROUGH-IN FOR ITEMS REQUIRING DEVICES IN AN APPROPRIATE LOCATION TO FEED SUCH DEVICE REGARDLESS OF LOCATION SHOWN ON THIS DRAWING.
6. ALL DIMENSIONS ARE SHOWN FROM FINISHED WALLS AND ARE THE CRITICAL DIMENSION REQUIRED FOR THE EQUIPMENT CONNECTION.

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REVISIONS		
#	DATE	DESCRIPTION
1		

DRAWN BY: Erica R. Sierra

SCALE: 1/4"=1'-0"

DATE: 8/24/2020

FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN

FS401

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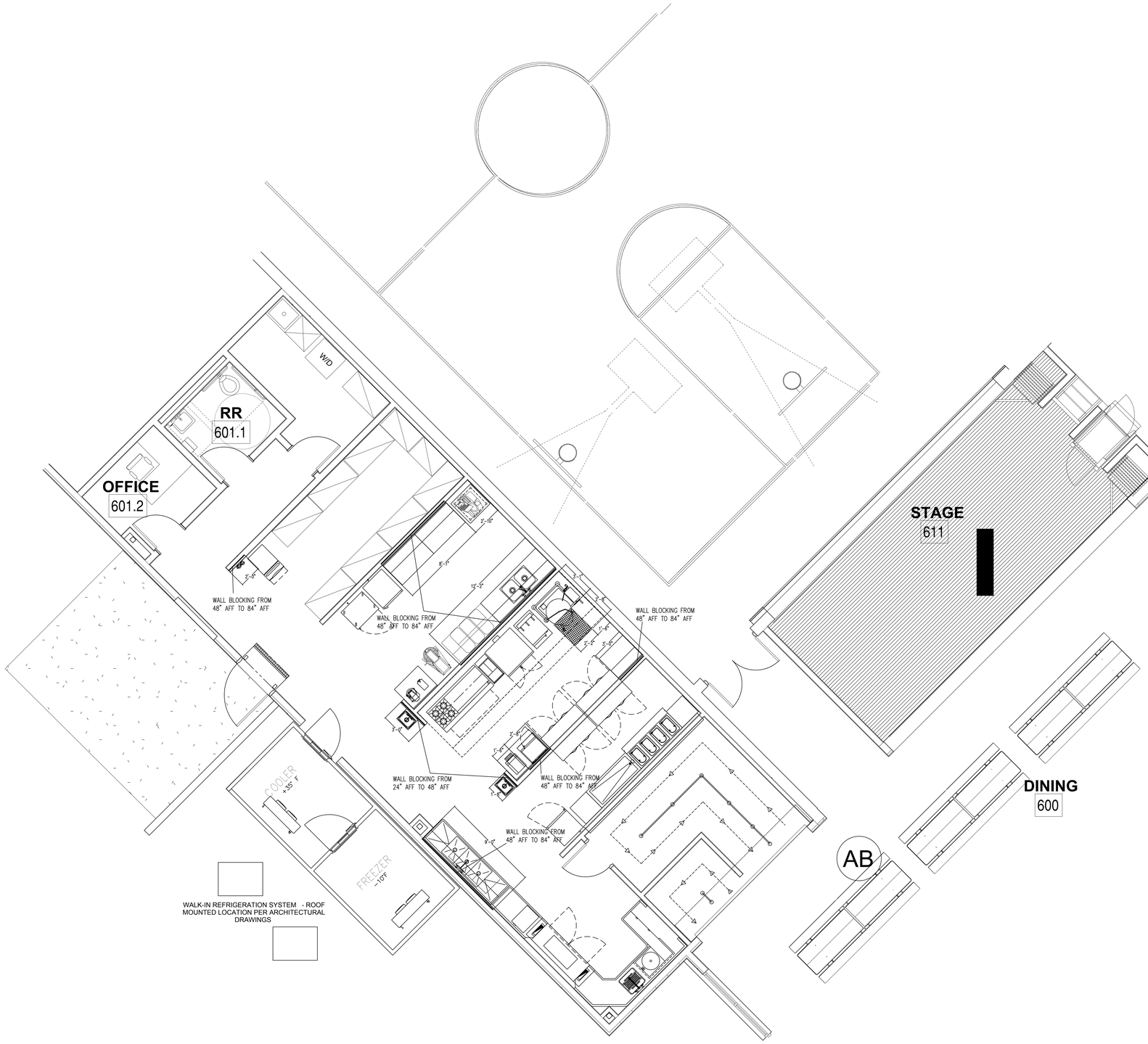

SCALE: 1/4" = 1'-0"

0' 5' 10'

NORTH

MECHANICAL SYMBOLS

- EXHAUST DUCT (LENGTH X WIDTH)
- RETURN AIR DUCT (LENGTH X WIDTH)
- HOOD CONTROL PANEL
- FP — FIRE SYSTEM PULL BOX HEX BOX @ 48" AFF
- REMOTE REFRIGERATION LINES

NOTE!! ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS TO CENTERLINE OF DUCTWORK OR AS NOTED. DO NOT DROP DUCTS IN EXACT LOCATIONS AS SHOWN. SLIGHT VARIATIONS IN FIELD CONDITIONS AND/OR FABRICATION CAN VARY DIMENSIONS BY 1/2" TO 2" FROM WHERE SHOWN. DROP DUCTS AFTER HOOD IS INSTALLED.

REFER TO HOOD SHOP DRAWINGS FOR FURTHER DETAILS ON DUCTWORK AND FIRE SYSTEMS.

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REVISIONS		
#	DATE	DESCRIPTION
1		

DRAWN BY: Erica R. Sierra
SCALE: 1/4"=1'-0"
DATE: 8/24/2020

FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

FS501

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HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S) WIDTH	COLLAR(S) LENGTH	COLLAR(S) DIA.	COLLAR(S) CFM	COLLAR(S) S.P.	MUA CFM	AC CFM		
1	KH-33	XXEW-107-S	107	54	24	430 SS WHERE EXPOSED	HEAVY	2006	10	19		2006	0.556	26A	27A	338.833	LEFT
2	KH-33	XXEW-107-S	107	54	24	430 SS WHERE EXPOSED	HEAVY	1783	10	17		1783	0.494	26A	27A	338.833	RIGHT

HOOD INFORMATION

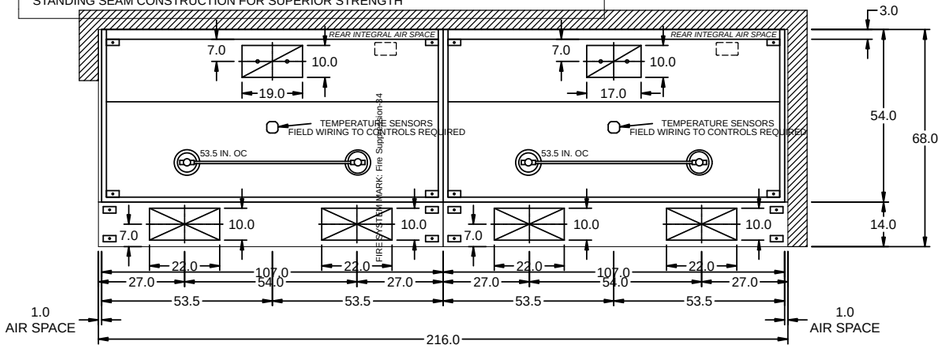
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS				UTILITY CABINET(S)				
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L	SIZE (IN.) H	LOCATION	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	CONTROLS MODEL	CONTROLS INTERFACE
1	KH-33	ROUND LED	2	63.1	X-TRACTOR STAINLESS STEEL	4	16	20					
						2	20						
2	KH-33	ROUND LED	2	63.1	X-TRACTOR STAINLESS STEEL	4	16	20					
						2	20						

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.) L	SIZE (IN.) W	SIZE (IN.) H	INSULATED	DAMPER(S)	LED LIGHT(S) SUPPLIED	LED LIGHT(S) QTY	TOTAL CFM	COLLARS TYPE	COLLARS MOUNTING	COLLARS QTY	COLLARS W	COLLARS L	COLLARS DIA.	COLLARS CFM	COLLARS S.P.	COLLARS VEL.
1	KH-33	FRONT	ASP	108	14	10	NO	NO	NO		1516	MUA	FACTORY	2	10	22		758	0.13	496
2	KH-33	FRONT	ASP	108	14	10	NO	NO	NO		1516	MUA	FACTORY	2	10	22		758	0.13	496

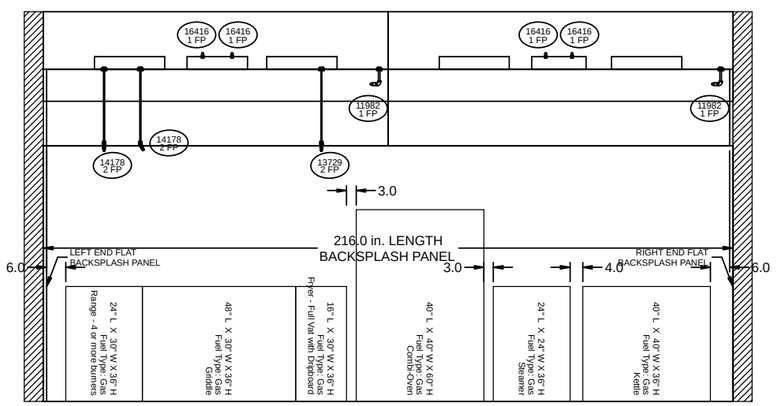
HOOD OPTIONS

- UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
- BACK INTEGRAL AIR SPACE - 3 IN WIDE
- LEFT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
- RIGHT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
- 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT - FIELD INSTALLED
- CONTINUOUS CAPTURE
- FACTORY MOUNTED EXHAUST COLLAR(S)
- EXHAUST AIR BALANCING BAFFLE(S) - (EABB)
- BACKSPLASH 80.00 IN HIGH 216.00 IN LONG
- LEFT SIDESPLASH 80.00 IN HIGH 16.00 IN LONG
- RIGHT SIDESPLASH 80.00 IN HIGH 54.00 IN LONG
- PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
- STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



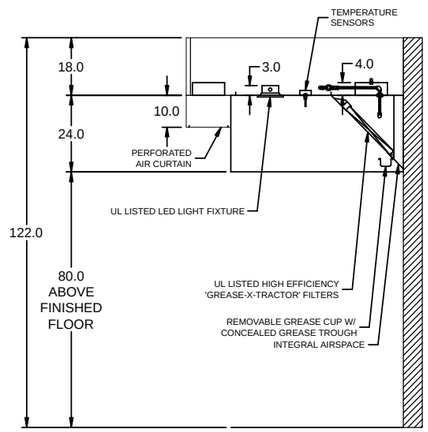
MARK: KH-33 - SECTION 1
PLAN VIEW

MARK: KH-33 - SECTION 2
PLAN VIEW



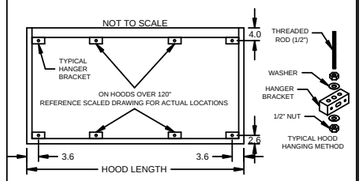
MARK: KH-33 - SECTION 1
ELEVATION VIEW

MARK: KH-33 - SECTION 2
ELEVATION VIEW

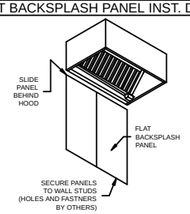


MARK: KH-33 (LAST HOOD IN ROW)
SECTION VIEW

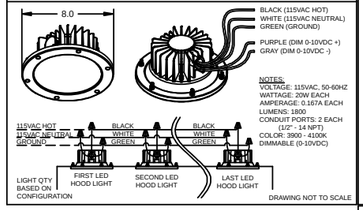
HOOD HANGER BRACKET DETAIL



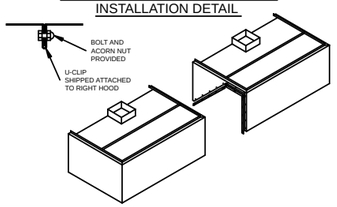
FLAT BACKSPLASH PANEL INST. DETAIL



ROUND LED LIGHT DETAIL



CONTINUOUS CAPTURE PLENUM INSTALLATION DETAIL

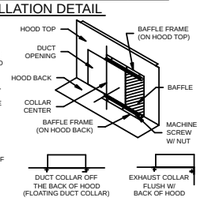


EXHAUST AIR BALANCING BAFFLE (EABB) INSTALLATION DETAIL

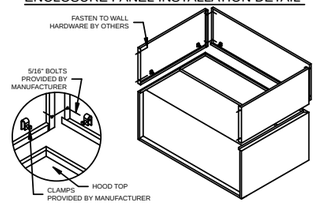
NOTES:
THE EABB IS DESIGNED TO BALANCE THE AIR VOLUME BETWEEN MULTIPLE HOODS ON THE SAME FAN. THE BAFFLE HAS THE CAPACITY TO CLOSE OFF UPTO 50% OF THE EXHAUST COLLAR.

IF DUCT COLLARS ARE SHIPPED LOOSE, THE EABB WILL BE SIZED TO THE EXHAUST COLLAR(S) SPECIFIED ON THE HOOD EQUIPMENT SCHEDULE. EABB IS TO BE INSTALLED AFTER THE DUCT COLLAR IS WELDED TO THE HOOD.

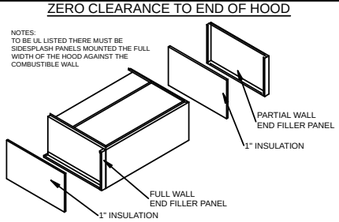
ASSEMBLE BOTH BAFFLE FRAMES TO THE BAFFLE IN THE OPEN POSITION. LINE UP EDGE OF BAFFLE WITH EDGE OF OPENING, PLUG WELD THE FRAMES TO THE HOOD TOP OR BACK.



ENCLOSURE PANEL INSTALLATION DETAIL



ZERO CLEARANCE TO END OF HOOD

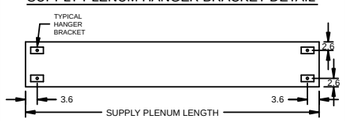


HOOD HANGING HEIGHT FOR FIRE SYSTEMS

VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

- ☐ RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.
- ☐ OTHER HANGING HEIGHT = _____" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

SUPPLY PLENUM HANGER BRACKET DETAIL



DZ COMMUNITY SCHOOL

PROJECT 7/6/2020

MARK KH-33

ACCUREX AZ NM & EL PASO TX
WADE BAILEY
WADE.BAILEY@ACCUREX.COM
(480)208-9296

ACCUREX

FIRE SYSTEM INFORMATION

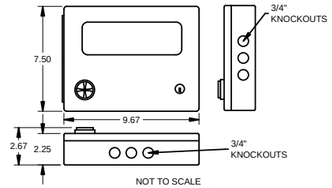
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SUPPRESSION-34	AMEREX KP W/STRIKE DETECTION	REMOTE MOUNTED	12 UTILIZED 22 AVAILABLE		CONTINUOUS	LINEAR HEAT DETECTOR	KH-33 SECTION 1
							KH-33 SECTION 2

FIRE SYSTEM OPTIONS AND ACCESSORIES

- FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
- CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
- METAL BLOW-OFF CAPS - INCLUDED
- MISC ADDITIONAL FEES (VERIFY ADDITIONAL FEES THAT ARE COVERED)
- GAS VALVE - INCLUDED - ELECTRICAL SHUTOFF VALVE, 2", 110V, 60HZ - PART# ELECTRICSHUTOFFVALVE200
- REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS
- ZONE 1 HOOD SUPPRESSION AGENT - INCLUDED - 7.5 GAL. - [(2) 3.75 TANK(S)]

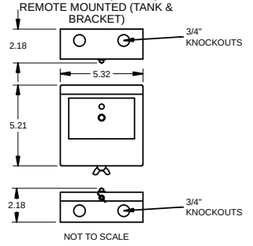
AMEREX FIRE PROTECTION SYSTEM - MODEL FSSK

STRIKE PANEL ENCLOSURE
DIMENSIONS (INCHES)
REMOTE MOUNTED (TANK & BRACKET)



NOT TO SCALE

~~RELAY MODULE~~
DIMENSIONS (INCHES)
REMOTE MOUNTED (TANK & BRACKET)



NOT TO SCALE

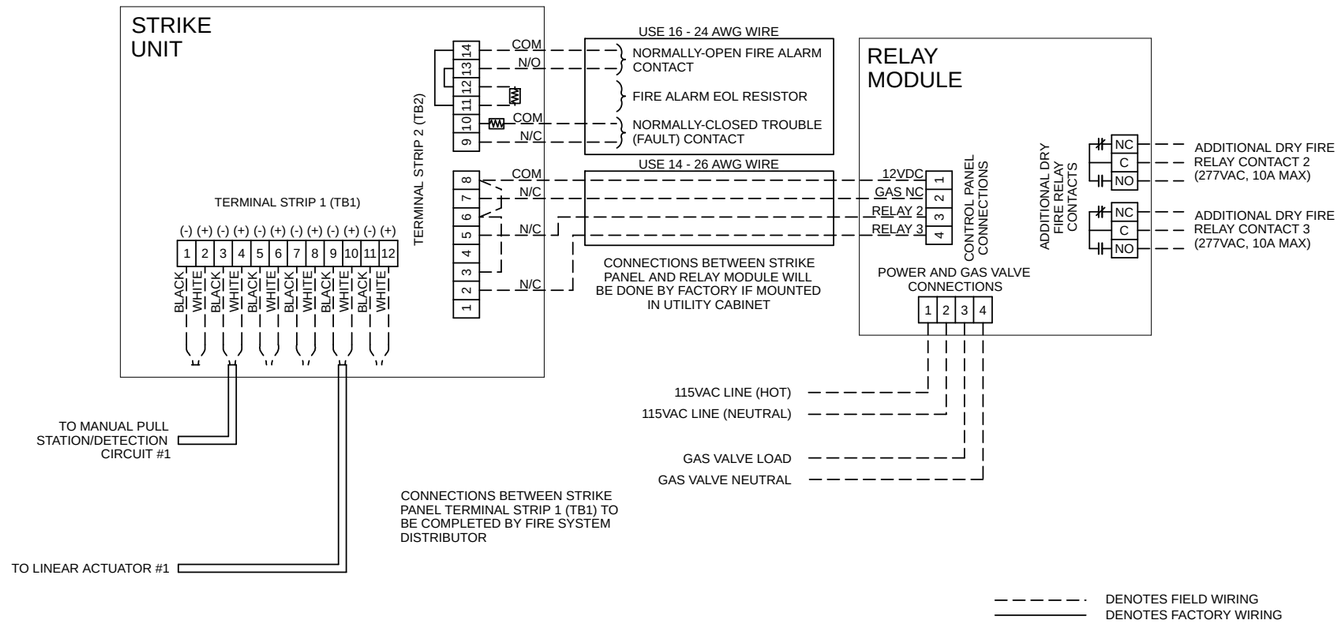
NOTES:

WET CHEMICAL FIRE PROTECTION SYSTEM TO BE AMEREX KP WITH STRIKE ELECTRONIC DETECTION, DESIGNED IN COMPLIANCE WITH UL300 REQUIREMENTS.
-VERIFICATION OF ALL COOKING APPLIANCE MAKE, MODEL, AND LOCATION REQUIRED FOR ALL FIRE PROTECTION SYSTEMS.
-AMEREX TANKS TO BE LOCATED WITHIN 60" OF HOOD.

THE BASIC FIRE SYSTEM WILL INCLUDE THE FOLLOWING:
-PRE-PIPING OF THE KITCHEN HOOD
-ELECTRIC GAS SHUT-OFF VALVE, TO BE SUPPLIED BY MANUFACTURER (UP TO 2" DIAMETER AS STANDARD), AND INSTALLED BY A LICENSED PLUMBER.
-STRIKE PANEL AND RELAY MODULE CONNECTIONS TO, BUT NOT LIMITED TO, BUILDING ALARM SYSTEM(S), EXHAUST AND SUPPLY FANS AND ELECTRICAL POWER SHUT DOWN. FIELD WIRING AND CONNECTIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.

THE BASIC FIRE SYSTEM DOES NOT INCLUDE THE FOLLOWING:
-PERMIT AND TESTING FEES ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR THE FIRE SYSTEM.
-INSTALLATION OF GAS SHUT-OFF VALVE.
-SPECIAL DRAWINGS REQUIRED TO SATISFY STATE OR LOCAL CODE. PLAN EXAMINATION FEES, PE OR FS APPROVAL STAMP.
-UNION LABOR, GOVERNMENT LABOR, OR PREVAILING WAGES REQUIRED FOR FINAL FIELD HOOK-UP.
-ANY AND ALL ELECTRICAL COMPONENTS/CONNECTIONS REQUIRED TO SHUT DOWN FANS, SHUT OFF DEVICE FOR ELECTRIC COOKING EQUIPMENT (SHUNT TRIP BREAKER), OR ACTIVATE AN ALARM SYSTEM, ETC.
-ROUGH-IN HIDDEN CONDUIT FOR REMOTE PULL STATION OR GAS VALVE (FLUSH MOUNTED PULL STATION).

TYPICAL ELECTRICAL WIRING DIAGRAM



DZ COMMUNITY SCHOOL

FIRE SUPPRESSION-34

PROJECT 7/6/2020

MARK

ACCUREX AZ NM & EL PASO TX
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(480)208-9296

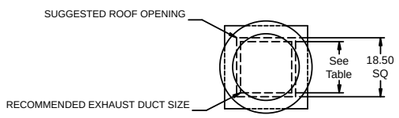
ACCUREX

Direct Drive Upblast Centrifugal Roof Exhaust Fan

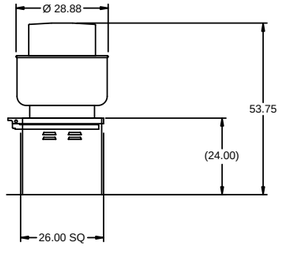
MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-1	XRUD-161-A	3,789	1.143	1,725	1.63	112	2	208/60/3	OP	1725	1	7.5

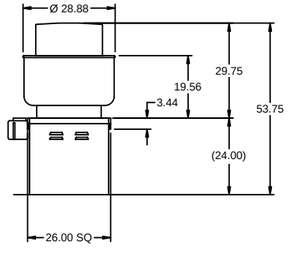
*NEC FLA - Based on tables 150 or 148 of National Electrical Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory.

KEF-1 : SELECTED OPTIONS AND ACCESSORIES
Larger curb cap size - 26 in. square
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"
Switch, NEMA-1, Toggle, Shipped with Unit
Hinged Base (Attached)
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Attached)
Grease Trap (PN 475538)



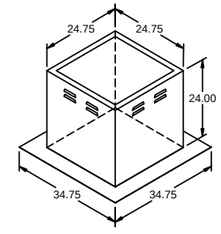
DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ





DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.
CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR.



DZ COMMUNITY SCHOOL

PROJECT 7/6/2020

MARK

KEF-1

ACCUREX AZ NM EL PASO TX
WADE BAILEY
WADE.BAILEY@ACCUREX.COM
(480)208-9296

ACCUREX

EQUIPMENT SCHEDULE

Tempered Make-Up Air Unit — **Mark: MUA-1**

Qty	Accurex Model	Volume	External SP	Total SP	FRPM	Operating Power	Weight
1	XDG-112-H20	3,032 CFM	0.5 in. wg	1.313 in. wg	1065	1.28 hp	1,175 lb

Motor Information

Size	V/C/P	Enclosure	Motor with Shaft Grounding	Motor RPM	Windings	MCA	MOP
1 1/2 hp	208/60/3	ODP	No	1725	1	12.2	15

Heating

Type	Gas Type	Temperature			Energy			Connection Gas	Building Gas Pressure	Control Access
		Winter DB	Max Δ	Max LAT	Input	Output	Efficiency			
Direct Gas	Natural	7.5 F	62.5 F	70.0 F	181.5 MBH	167.0 MBH	92%	3/4"	1/2 PSI	11a

Cooling

Cooling Type	Cooling Media	Summer Bulb		Filters	Cooling Control	Required Flow**
		Dry	Wet			
Evaporative	CELdek	94.9 F	65.3 F	2in. Aluminum Mesh	Automatic Drain Flush Valve	NA

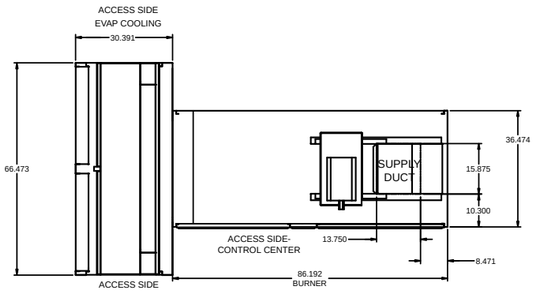
**Required flow and inlet pressure are for supply line sizing only. They do not represent water usage during normal operation. Consult factory for actual water usage.

Outlet Sound Power By Octave Band							LwA	dBA	Sones
62.5	125	250	500	1000	2000	4000	8000			
96.2	*87.1*	*75.7*	*74.5*	*70.9*	*68.5*	*65.4*	*57.5*	*78.6*	*67.6*	*15.6*

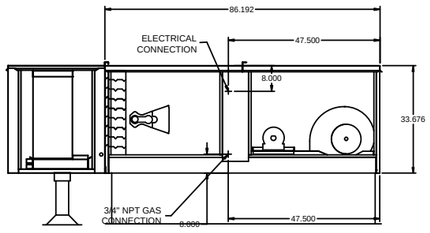
- *LwA - A weighted sound power level based on ANSI S1.4*
- *dBA - A weighted sound pressure level base on 1/1 dB attenuation per octave band at 5.0 ft.*
- *Noise Criteria (NC) based on an average attenuation of 11.5 dB per octave band at 5.0 ft.*

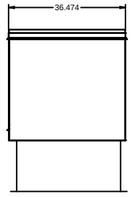
OPTIONS AND ACCESSORIES

Air Flow Arrangement: Variable Volume
Damper: Inlet
Outdoor Air Intake Position: End
Discharge Position: Bottom
Coating: Galvanized
Insulation: Double Wall - Heat Source On
Supply Fan Control: VFD
VFD Control: External 0-10 VDC
Access Side: Right-Hand
Control Center
Heat Inlet Air Sensor
Cool Inlet Air Sensor
Unit Controls: Terminal Strip
Temperature Control: Discharge
Direct Gas Options/Accessories
Approvals: ETL
Flame Sensing: Flame Rod
Ignition Control: Pilot
Unit Rated Gas Pressure: 1/2 PSI
Evap Cooling Options/Accessories
Evap Media: CELdek



PLAN VIEW





ELEVATION VIEW

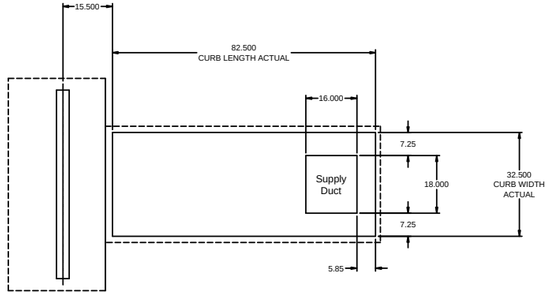
END VIEW

NOTE: Roof Opening Requirements:

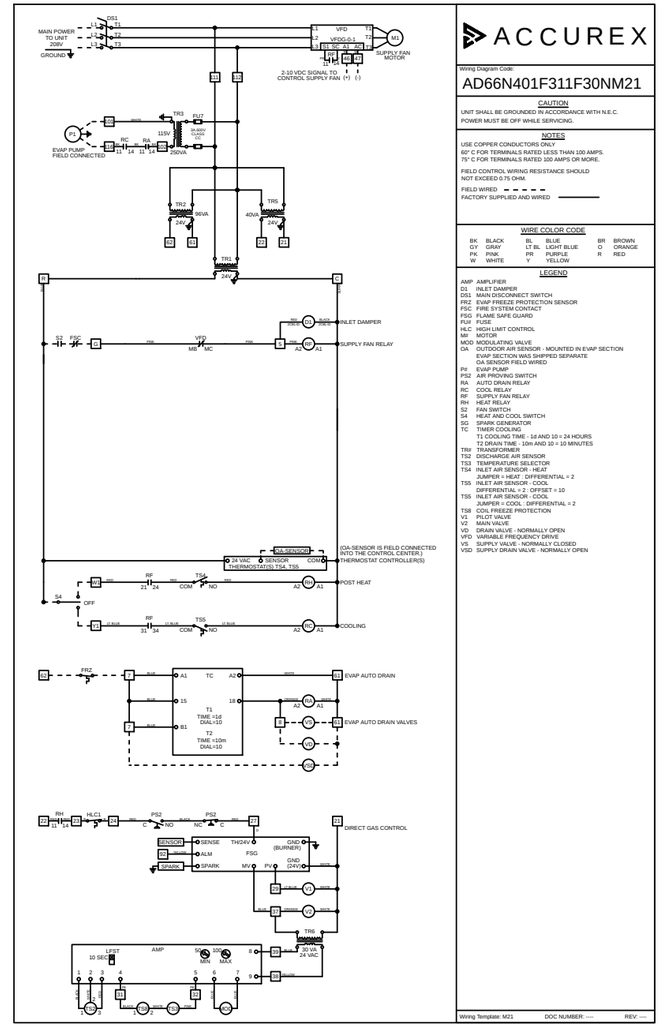
Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb.
This is by design, in order to help alleviate water infiltration issues. MUA Unit supports are shipped loose with unit.



FOOTPRINT



ACCUREX

Wiring Diagram Code:

AD66N401F311F30NM21

CAUTION

UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C.
POWER MUST BE OFF WHILE SERVICING.

NOTES

USE COPPER CONDUCTORS ONLY
60° C FOR TERMINALS RATED LESS THAN 100 AMPS.
75° C FOR TERMINALS RATED 100 AMPS OR MORE.

FIELD CONTROL WIRING RESISTANCE SHOULD
NOT EXCEED 0.75 OHM.

FIELD WIRED
FACTORY SUPPLIED AND WIRED

WIRE COLOR CODE

BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LT BL	LIGHT BLUE	O	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

Wiring Template: M21 — DOC NUMBER: ---- — REV: ----

PROJECT 7/6/2020

DZ COMMUNITY SCHOOL

MARK

MUA-1

ACCUREX AZ NM EL PASO TX
WADE BAILEY
WADE.BAILEY@ACCUREX.COM
(480)208-9296

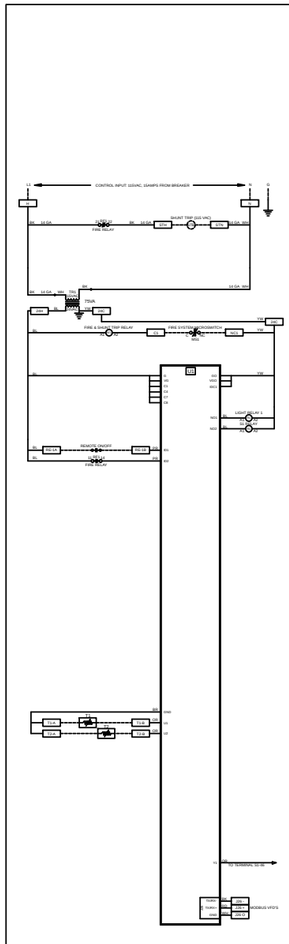
ACCUREX

CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED				
	MODEL	LOCATION	TYPE	LOCATION	MARK	TYPE	VOLT	PHASE	HP
VARIABLE VOLUME CONTROLS	VARI-FLOW	REMOTE VAV CABINET	KEYPAD	SHIP LOOSE	MUA-1	SUPPLY	208	3	1 1/2
					KEF-1	EXHAUST	208	3	2

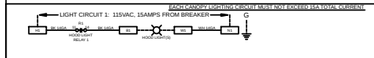
CONTROL FEATURES

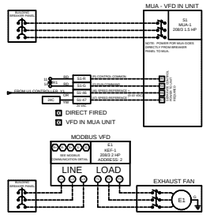
LIGHTS OUT IN FIRE



SYSTEM DRAWING NOTE

THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT.
FOR ADDITIONAL INFORMATION CALL ACCUREX AT 1-800-371-6858





ACCUREX

WIRING DIAGRAM CODE:

JOB NAME: DZ COMMUNITY SCHOOL

PANEL TYPE: VARI-FLOW

SERIAL NUMBER: 0

PANEL MARK: VARIABLE VOLUME CONTROLS

MODEL: XFCC

DOC NUMBER: ---- REV: ----

CAUTION

UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C.
POWER MUST BE OFF WHILE SERVICING.

NOTES

1. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED.
2. TORQUE: CONTROL TERMINAL & GROUND BLOCKS TO 8 LBS. IN.
3. TORQUE: POWER LUGS TO COMPONENT RATINGS LISTED.
4. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM.

FIELD WIRED - - - - -

FACTORY SUPPLIED AND WIRED ———

LISTED 43BM

COMMERCIAL APPLIANCE OUTLET CENTER
ELECTRICAL RATINGS: 120V, 1PHASE, 60HZ, 15A
BASE FILE #E200616, ML FILE #E313951

WIRE COLOR CODE

BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LTBL	LIGHT BLUE	O	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

LEGEND

FU	FUSE	STB	SHUNT TRIP BREAKER(S)
MS1	FIRE SYSTEM CONTACT	SV	GAS SOLENOID VALVE
OL	MOTOR OVERLOAD	T1-10	PT1000 TEMP SENSOR
PD	PUMP DETERGENT	TR1	TRANS 120:24 VAC 75 VA
PS1	PRESSURE SENSOR	TR2	TRANS 120:24 VAC 75 VA
RF1-2	24VAC DPDT FIRE RELAY	U1	MAIN CONTROLLER
R1-18	24VAC DPDT RELAYS (SPDT FOR LIGHTS)	VFD	VARIABLE FREQ DRIVE
		ST_	MOTOR STARTER

2	QTY. OF HOODS		LOW DETERGENT INDICATOR
	QTY. OF SUMPS		AUTO TEMPERING
1	QTY. EXHAUST FANS		STATIC PRESSURE CONTROL
1	QTY. SUPPLY FANS		AIR PROVING - FAN(S)
1	QTY. LIGHT CIRCUITS		COLD WATER MIST
2	QTY. TEMP SENSORS		TOUCH SCREEN
	POWER FOR SHUNT TRIP		HIGH TEMP ALARM
	GAS RESET		BMS -
X	LIGHTS OUT IN FIRE		TEMPERATURE INTERLOCK
	INDIVIDUAL LIGHT/FAN CONTROL		REMOVE REDUNDANT STARTERS
	EXTRA FIRE RELAY (F2)		PCU FILTER STATUS ()
	EXHAUST IN FIRE		EDR
	LINK TO MELINK		

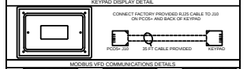
FAN INFORMATION

TAG	FAN MARK	CFM	HP	VOLT	PH	FLA	WIRE	BREAKER
S1	MUA-1	3032	1.5	208	3	5.6	14 GA	15 AMP
E1	KEF-1	3941	2	208	3	7.5	14 GA	15 AMP

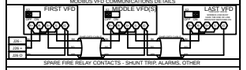
FIELD WIRING

HOOD	DUCT SUMP OR HOOD MARK	AUTO SCRUB HOOD	SENSORS	REL. FANS EXH	REL. FANS SUP
1	KH-33 SECTION 1	NO	T1	E1	S1
2	KH-33 SECTION 2	NO	T2	E1	S1

KEYPAD DISPLAY DETAIL



MODBUS VFD COMMUNICATIONS DETAILS



SPARE FIRE RELAY CONTACTS - SHUNT TRIP, ALARMS, OTHER

DOC CODE: VERSION - KVS V 2.00

ASK0200111N0210N00NN05

VFD CODE:

02-00-00-00

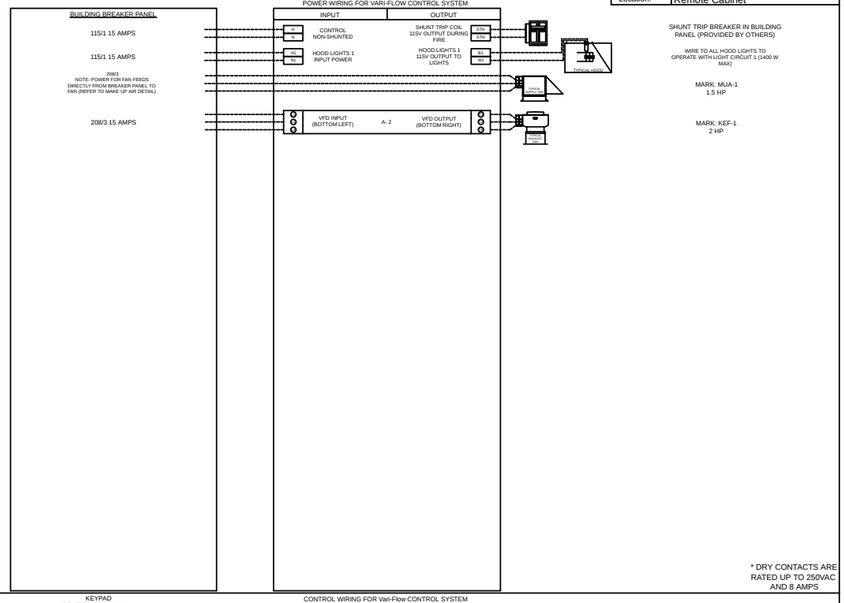
Vari-Flow (Variable Volume)
Electrical - Field Wiring Schematic
DZ Community School

Wiring Diagram Code:

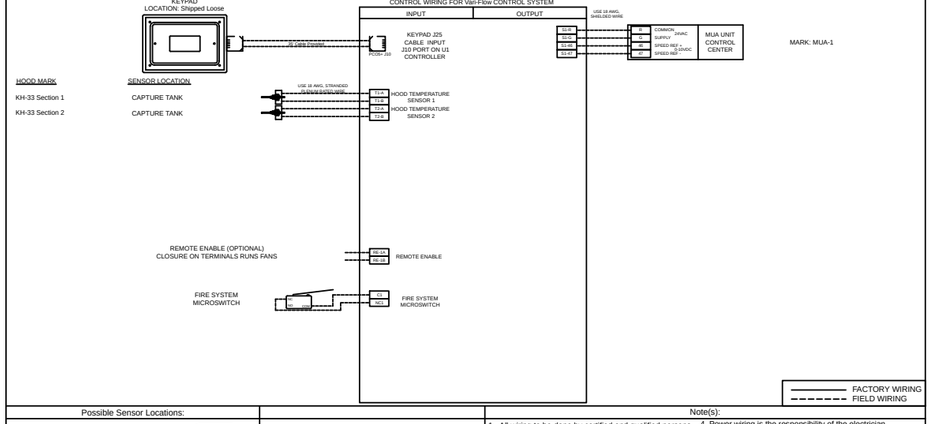
DOC NUMBER: ---- REV: ----

ACCUREX

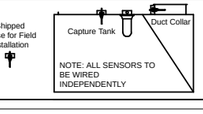
Panel Mark: Variable Volume Controls
Location: Remote Cabinet



* DRY CONTACTS ARE RATED UP TO 250VAC AND 8 AMPS



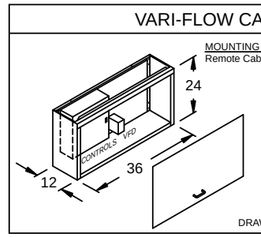
Possible Sensor Locations:



Note(s):

1. All wiring to be done by certified and qualified persons and must be wired to all local & national codes.
2. Exhaust and supply fan(s) shown as typical for representation of the fan. For exhaust or supply fan detail see fan submittals.
3. Exhaust and/or supply fans may be shown more than once for purpose of separating power versus control wiring.
4. Power wiring is the responsibility of the electrician. Control wiring is the responsibility of controls contractor. If there is no controls contractor, both power and control wiring is the responsibility of the electrician.
5. All ground wiring not shown on above diagram for clarity.
6. For further instructions please see the Vari-Flow Installation and Operations Manual that was shipped with panel, or contact ACCUREX's Kitchen Ventilation team at 1-800-371-6858

VARI-FLOW CABINET DETAIL



NOTES:

1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.

2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

PROJECT 7/6/2020

DZ COMMUNITY SCHOOL

MARK

VARIABLE VOLUME CONTROLS

ACCUREX AZ NM & EL PASO TX
WADE BAILEY
WADE.BAILEY@ACCUREX.COM
(480)208-9296

ACCUREX