

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I

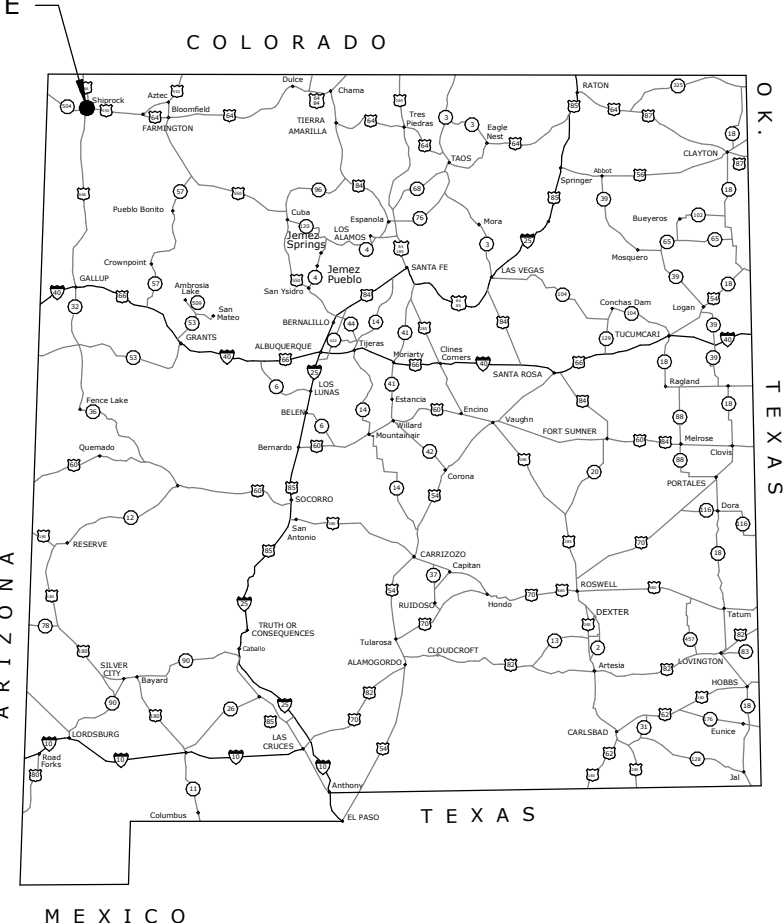

CENTRAL CONSOLIDATED SCHOOL DISTRICT

GREER STAFFORD/SJCF ARCHITECTURE, INC.
1717 LOUISIANA NE, SUITE 205
ALBUQUERQUE, NM 87110-7027
(505) 821-0235 • FAX: (505) 821-0348
3005 NORTHBRIDGE DR, SUITE F
FARMINGTON, NM 87401-2085
(505) 325-7475 • FAX: (505) 325-6464



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SCHOOL BOARD	SITE LOCATION	CID REQUIREMENTS	PROJECT DESCRIPTION:	GENERAL NOTES: CODE REVIEW	DRAWING LIST:
<p>GARY J. MONTOYA SUZETTE JEAN HASKIE CHRISTINA J. ASPAAS CHARLIE T. JONES, JR. SHELDON PICKERING</p> <p>DANIEL P. BENAVIDEZ</p> <p>PRESIDENT VICE PRESIDENT SECRETARY MEMBER MEMBER SUPERINTENDENT</p>	<p>PROJECT SITE</p> 	<p>DESIGN CRITERIA:</p> <p>BUILDING TYPE: VB</p> <p>SQUARE FOOTAGE:</p> <p>3-BEDROOM UNIT - 1,354 SF</p> <p>2-BEDROOM UNIT - 1,052 SF</p> <p>USE AND OCCUPANCY: R3</p> <p>OCCUPANT LOAD: 200 GROSS</p> <p>3-BEDROOM UNIT - 6 OCC.</p> <p>2-BEDROOM UNIT - 5 OCC.</p> <p>ALLOWABLE AREA: UNLIMITED</p> <p>EXITING REQUIREMENTS: NOT LESS THAN 1 EGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT. EVERY SLEEPING ROOM SHALL HAVE NOT LESS THAN ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING.</p> <p>PLUMBING FIXTURE REQ'S: ONE AND TWO FAMILY DWELLINGS AND LODGING HOUSES WITH (5) OR FEWER GUEST ROOMS:</p> <p>WATER CLOSETS: 1 PER DWELLING UNIT REQUIRED</p> <p>3-BEDROOM UNIT - 2 PROVIDED</p> <p>2-BEDROOM UNIT - 1 PROVIDED</p> <p>LAVATORIES: 1 PER 10 OCCUPANTS REQUIRED</p> <p>3-BEDROOM UNIT - 2 PROVIDED</p> <p>2-BEDROOM UNIT - 1 PROVIDED</p> <p>BATHTUBS: 1 PER DWELLING UNIT REQUIRED</p> <p>3-BEDROOM UNIT - 1 BATHTUB, 1 SHOWER PROVIDED</p> <p>2-BEDROOM UNIT - 1 PROVIDED</p> <p>DRINKING FOUNTAINS: NOT REQUIRED</p> <p>OTHER: 1 KITCHEN SINK PER DWELLING UNIT REQUIRED, 1 AUTOMATIC CLOTHES WASHER CONNECTION PER DWELLING UNIT REQUIRED</p> <p>3-BEDROOM UNIT - 1 KITCHEN SINK, 1 CLOTHES WASHER CONNECTION PROVIDED</p> <p>2-BEDROOM UNIT - 1 KITCHEN SINK, 1 CLOTHES WASHER CONNECTION PROVIDED</p> <p>FIRE SPRINKLERS: NOT REQUIRED</p> <p>HEIGHT + STORIES: 1 STORY TOP OF ROOF SHED = 16'-11 1/2"</p> <p>LAND USE ZONE: N/A</p> <p>LOCATION OF PROPERTY: NAVAJO NATION, SHIPROCK, NEW MEXICO 87420 W1/2 W1/2 OF SECTION 19, T30N R17W, AND THE E1/2 E1/2 OF SECTION 24, T30N R18W, N.M.P.M. SHIPROCK, SAN JUAN COUNTY, NEW MEXICO.</p> <p>SEISMIC LOCATION: SEISMIC IMPORTANCE FACTOR: IE = 1.0 SEISMIC DESIGN CATEGORY: B</p>	<p>BASE BID: SITE WORK INCLUDING GRADING AND DRAINAGE, ROADS, AND UTILITIES EXTENSION TO SUPPORT PHASE I CONSTRUCTION OF UP TO NINE (9) SINGLE-FAMILY HOMES, LANDSCAPING FOR EACH OF NINE (9) HOMES. UTILITIES EXTENSION SIZED FOR EVENTUAL CONSTRUCTION OF THIRTY-THREE (33) HOME SUBDIVISION.</p> <p>UNIT PRICE A: CONSTRUCTION OF EACH 3-BEDROOM SINGLE FAMILY HOME ON SITE PREPARED IN BASE BID.</p> <p>UNIT PRICE B: CONSTRUCTION OF EACH 2-BEDROOM SINGLE FAMILY HOME ON SITE PREPARED IN BASE BID.</p> <p>UNIT PRICE C: CONSTRUCTION OF EACH 2-BEDROOM (MIRRORED) SINGLE FAMILY HOME ON SITE PREPARED IN BASE BID.</p> <p>VENTILATION REQUIREMENTS</p> <p>50% VENTILATION AT LOW EDGE AND HIGH EDGE OF ROOF = 1/300.</p> <p>EACH BAY BETWEEN JOISTS MUST BE VENTILATED.</p> <p>LOW ROOF 2' X 16' (APPROX EACH JOIST BAY) = 32 SF. 32SF = 8 SQ IN HIGH AND LOW VENTILATION.</p> <p>HIGH ROOF 2' X 18' (APPROX EACH JOIST BAY) = 36 SF 36SF = 9 SQ IN HIGH AND LOW VENTILATION.</p>	<p>CODE REVIEW NOTES:</p> <p>This project is Phase I of a housing subdivision comprised of 2 and 3 bedroom units to provide teacher housing for the Central Consolidated School District. The project is located in climate zone 5B - San Juan County.</p> <p>GENERAL NOTES:</p> <p>APPLICABLE CODES:</p> <p>2015 NEW MEXICO COMMERCIAL & RESIDENTIAL BUILDING CODE 2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL RESIDENTIAL CODE 2015 INTERNATIONAL EXISTING BUILDING CODE 2012 SOLAR ENERGY CODE (IAPMO) 2009 NEW MEXICO ENERGY CONSERVATION CODE ICC/ANSI A117.1-2009 2015 NEW MEXICO PLUMBING AND MECHANICAL CODE 2015 UNIFORM MECHANICAL CODE (IAPMO) 2015 UNIFORM PLUMBING CODE (IAPMO) 2012 UNIFORM SWIMMING POOL, SPA AND HOT TUB CODE 2012 UNIFORM SOLAR ENERGY CODE 2017 NEW MEXICO ELECTRICAL CODE 2017 NATIONAL ELECTRICAL CODE 2012 NATIONAL ELECTRICAL SAFETY CODE 2015 INTERNATIONAL FIRE CODE 2017 NFPA 58 2012 NFPA 57 2015 NFPA 54 2010 NFPA 52 2011 NFPA 1192</p> <p>IRC REVIEW:</p> <p>CHAPTER 3: R310. MINIMUM OPENING AREA - EMERGENCY AND ESCAPE RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET. THE NET CLEAR OPENING DIMENSIONS REQUIRED BY THIS SECTION SHALL BE OBTAINED BY THE NORMAL OPERATION OF THE EMERGENCY ESCAPE AND RESCUE OPENING FROM THE INSIDE. THE NET CLEAR HEIGHT OPENING SHALL BE NOT LESS THAN 24 INCHES AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20 INCHES. EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET.</p> <p>WINDOW SILL HEIGHT - WHERE A WINDOW IS PROVIDED AS THE EMERGENCY ESCAPE AND RESCUE OPENING, IT SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE THE FLOOR.</p> <p>R313.1. AUTOMATIC FIRE SPRINKLERS SYSTEMS IN TOWNHOUSES AND ONE- AND TWO- FAMILY DWELLINGS ARE NOT REQUIRED WHEN THE UNITS ARE NOT MORE THAN THREE STOREYS ABOVE THE GRADE PLANE IN HEIGHT AND HAVE SEPARATE MEANS OF EGRESS AND THEIR ACCESSORY STRUCTURES. (NMRC).</p> <p>CHAPTER 8: R806.1. VENTILATION REQUIRED - ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSION OF 1/16" MINIMUM AND 1/4" MAXIMUM. VENTILATION OPENINGS HAVING A LEAST DIMENSION LARGER THAN 1/4" SHALL BE PROVIDED WITH CORROSION RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF 1/16" MINIMUM AND 1/4" MAXIMUM. OPENINGS IN ROOF FRAMING MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF SECTION R802.7. REQUIRED VENTILATION OPENINGS SHALL OPEN DIRECTLY TO THE OUTSIDE AIR.</p> <p>R806.2. MINIMUM VENT AREA - THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.</p> <p>EXCEPTION: THE MINIMUM NET FREE VENTILATION AREA SHALL BE 1/300 OF THE VENTED SPACE PROVIDED ONE OR MORE OF THE FOLLOWING CONDITIONS ARE MET: 2: NOT LESS THAN 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF THE UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.</p> <p>R806.3: VENT AND INSULATION CLEARANCE - WHERE EAVE OR CORNICE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. NOT LESS THAN A 1-INCH SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING AND THE LOCATION OF THE VENT.</p> <p>CHAPTER 11: SEE NMRC 14.7.6 - NEW MEXICO ENERGY CONSERVATION CODE.</p> <p>CLIMATE ZONE: 5B ELEVATION: 4892 HEATING DEGREE DAYS: 5457 COOLING DEGREE DAYS: -</p> <p>PROJECT SHALL COMPLY WITH SECTIONS 401, 402.4, 403.1, 403.2.2, 403.2-403.9, AND 404.1, AND SECTIONS 402.1-402.3, 402.5, AND 403.2.1 OF THE IECC.</p> <p>INSULATION AND FENESTRATION REQUIREMENTS FOR CLIMATE ZONE 5B</p> <p>FENESTRATION U-FACTOR: .35</p> <p>CEILING R-VALUE: R-38</p> <p>WOOD FRAME WALL R-VALUE: R-20 OR 13+5(CONTINUOUS)</p> <p>SLAB R-VALUE & DEPTH: R-10 2 FT</p>	<p>GENERAL</p> <p>G001 COVER SHEET</p> <p>V001 TOPOGRAPHIC SURVEY</p> <p>CIVIL</p> <p>C101 SITE PLAN PHASE I AND II BASE BID C101A PHASE I SITE GRADING PLAN BASE BID C101B DIMENSION CONTROL PLAN BASE BID C102 SITE WATER UTILITY PLAN BASE BID C103 SITE SEWER UTILITY PLAN BASE BID C104 OFF SITE SEWER PLAN & PROFILE BASE BID C105 MESA ROAD & MESA COURT PLAN & PROFILE BASE BID C106 PROJECT CIVIL DETAILS BASE BID C107 PROJECT CIVIL DETAILS BASE BID C108 PROJECT CIVIL DETAILS BASE BID C109 DRAINAGE PLAN BASE BID C110 PLAN AND PROFILE RETAINING WALLS BASE BID</p> <p>LANDSCAPE</p> <p>LP101 LANDSCAPE PLAN - BASE BID</p> <p>STRUCTURAL</p> <p>S001 LEGENDS AND ABBREVIATIONS S002 GENERAL STRUCTURAL NOTES S101 3 BEDROOM UNITS PLANS UNIT PRICE A S102 2 BEDROOM UNITS PLANS UNIT PRICE B S103 2 BEDROOM UNITS (MIRRORED) PLANS UNIT PRICE C S301 FOUNDATION SECTIONS S311 FRAMING SECTIONS AND DETAILS S601 SCHEDULES S602 SHEAR WALL SCHEDULES AND DETAILS</p> <p>ARCHITECTURAL</p> <p>A001 GENERAL NOTES & SYMBOLS A101 FLOOR PLANS - 3 BEDROOM - UNIT PRICE A A102 FLOOR PLANS - 2 BEDROOM - UNIT PRICE B A103 FLOOR PLANS - 2 BEDROOM (MIRRORED) - UNIT PRICE C A201 EXTERIOR ELEVATIONS - 3 BEDROOM UNIT A202 EXTERIOR ELEVATIONS - 2 BEDROOM UNIT A301 SECTIONS & WALL SECTIONS A401 INTERIOR ELEVATIONS A503 DETAILS-INTERIOR A501 DETAILS-GENERAL A502 DETAILS-ENVELOPE</p> <p>PLUMBING</p> <p>PS101 PLUMBING SITE PLAN - PHASE I - BASE BID P101 PLUMBING PLANS - 3 BEDROOM - UNIT PRICE A P102 PLUMBING PLANS - 2 BEDROOM - UNIT PRICE B P103 PLUMBING PLANS - 2 BEDROOM (MIRRORED) - UNIT PRICE C P601 PLUMBING NOTES, SCHEDULES AND LEGEND</p> <p>MECHANICAL</p> <p>M101 MECHANICAL FLOOR PLAN - 3 BEDROOM - UNIT PRICE A M102 MECHANICAL FLOOR PLAN - 2 BEDROOM - UNIT PRICE B M103 MECHANICAL FLOOR PLAN - 2 BEDROOM (MIRRORED) - UNIT PRICE C M601 MECHANICAL NOTES, SCHEDULES AND LEGEND</p> <p>ELECTRICAL</p> <p>ES101 ELECTRICAL SITE PLAN - BASE BID E101 ELECTRICAL PLANS - 3 BEDROOM UNIT - UNIT PRICE A E102 ELECTRICAL PLANS - 2 BEDROOM UNIT - UNIT PRICE B E103 ELECTRICAL PLANS - 2 BEDROOM UNIT (MIRRORED) - UNIT PRICE C E601 ELECTRICAL NOTES AND LEGEND</p>
<p>ARCHITECT:</p> <p>GREER STAFFORD/SJCF ARCHITECTURE 1717 LOUISIANA NE, SUITE #205 ALBUQUERQUE, NM 87110 OFFICE: 505-821-0235 / FAX: 505-821-0348 www.greer-stafford.com</p> <p>CONTACT: CHRIS VAN DYCK & JOHN GIDDENS</p> <p>CIVIL ENGINEER:</p> <p>CHENEY-WALTERS-ECOLS INC. 909 W APACHE ST FARMINGTON, NM 87401 OFFICE: 505-327-3303</p> <p>CONTACT: BOB ECHOLS & HAROLD STRUBE</p> <p>STRUCTURAL ENGINEER:</p> <p>CHAVEZ-GRIEVES CONSULTING ENGINEERS 4700 LINCOLN RD NE # 102 ALBUQUERQUE, NM 87109 OFFICE: 505-344-4080</p> <p>CONTACT: CHRIS ROMERO</p> <p>MECHANICAL/ELECTRICAL/PLUMBING ENGINEER:</p> <p>MEBE ENGINEERING 463 TURNER DR # 104-A DURANGO, CO 81303 OFFICE: 970-385-1570 / FAX:</p> <p>CONTACT: DUSTIN SULLIVAN, MECHANICAL NATE BRUSH, ELECTRICAL</p> <p>LANDSCAPE ARCHITECT:</p> <p>MRWM LANDSCAPE ARCHITECTS 1102 MOUNTAIN RD NW # 201 ALBUQUERQUE, NM 87102 OFFICE: 505-268-2266</p> <p>CONTACT: AARON ZAHM</p>	<p>VICINITY MAP</p>  <p>SITE ADDRESS - PROJECT DEVELOPMENT AT INTERSECTION OF MESA RD AND N 545</p>				

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

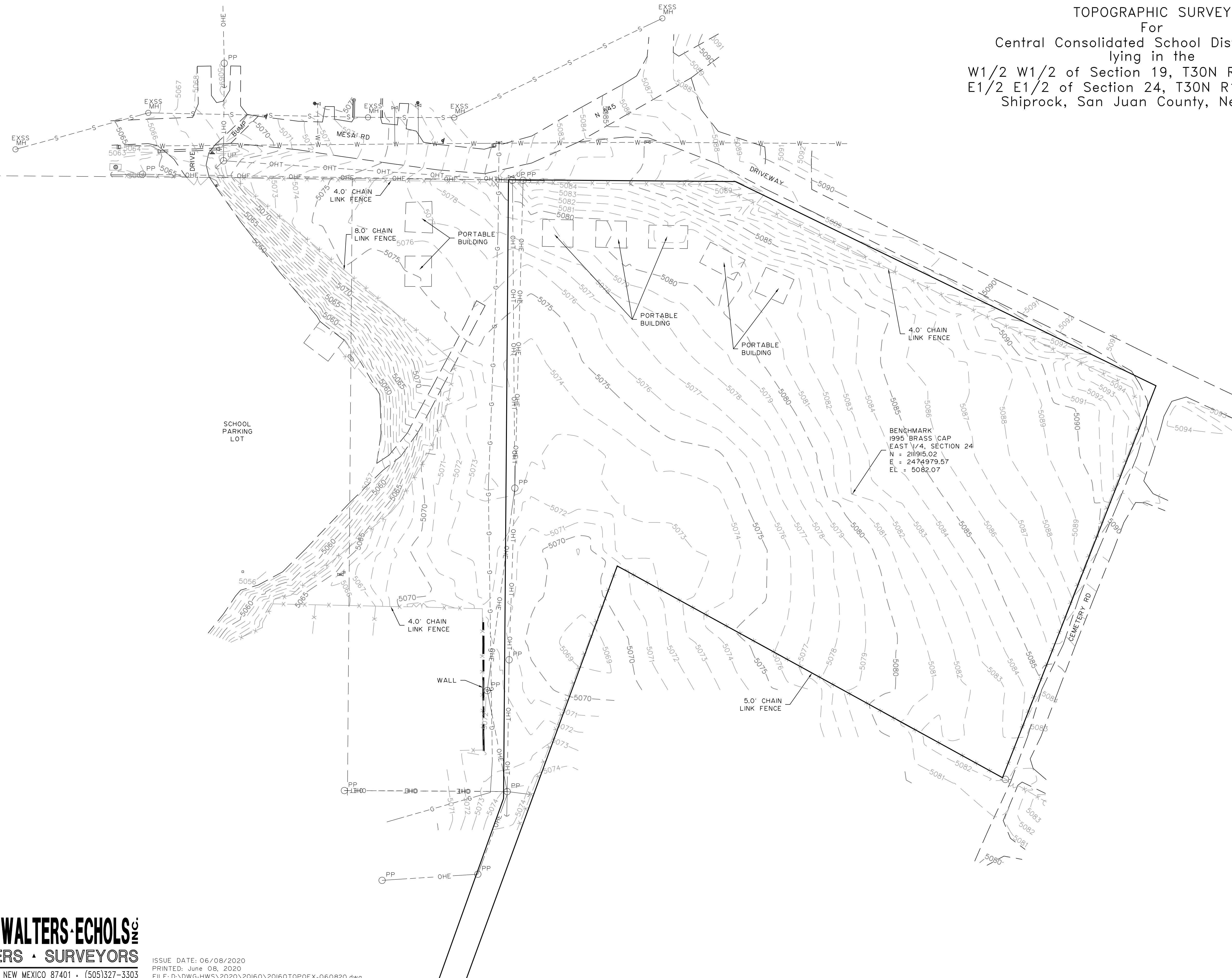
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	NOVEMBER 6, 2020	

PROJECT 5417.02
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SHEET TITLE
COVER SHEET

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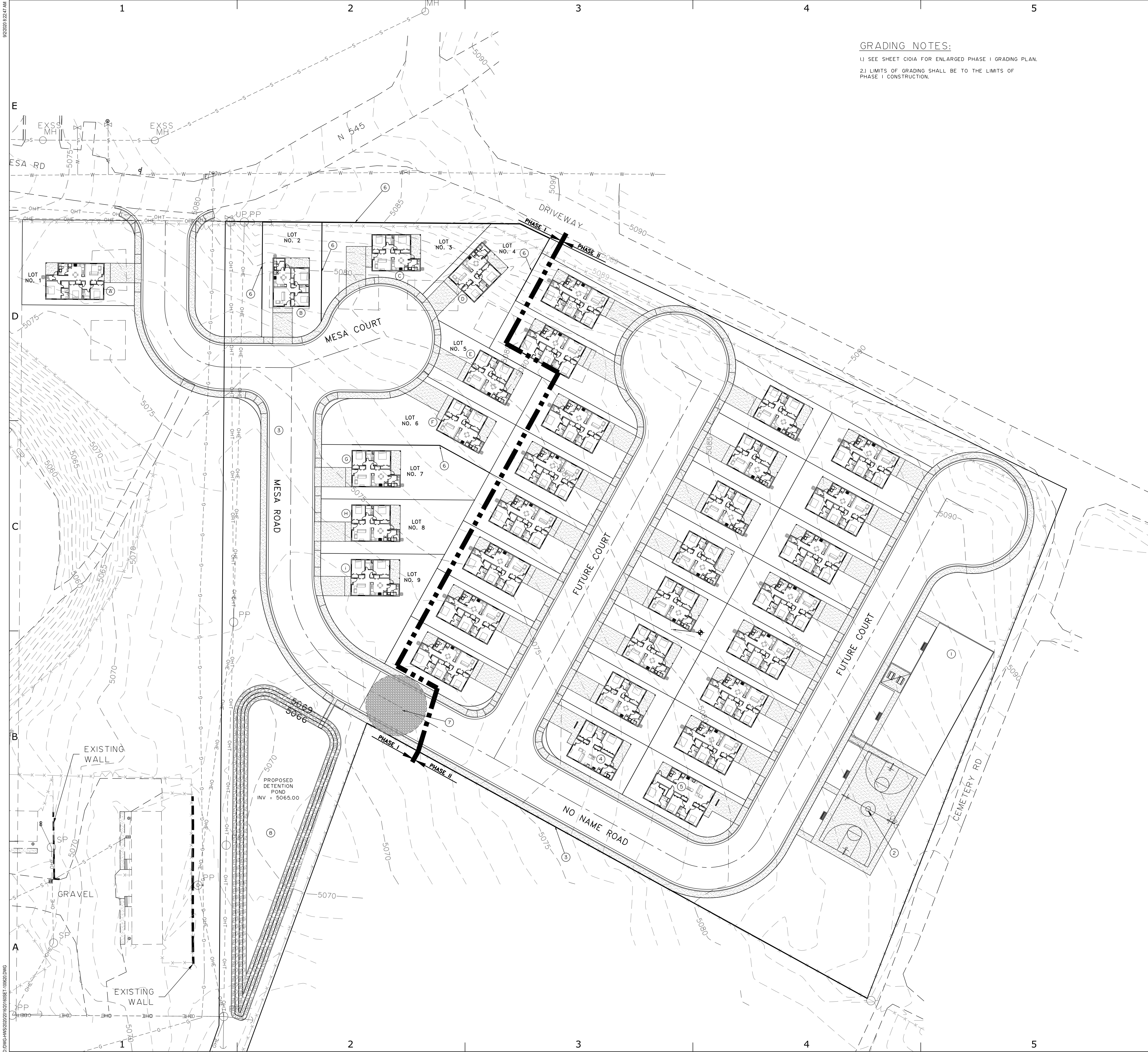
G001

TOPOGRAPHIC SURVEY
For
Central Consolidated School District No.22
lying in the
W1/2 W1/2 of Section 19, T30N R17W, and the
E1/2 E1/2 of Section 24, T30N R18W, N.M.P.M.,
Shiprock, San Juan County, New Mexico



9/2/2020 9:22:47 AM

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GRADING NOTES:

- 1.) SEE SHEET C101A FOR ENLARGED PHASE I GRADING PLAN.
- 2.) LIMITS OF GRADING SHALL BE TO THE LIMITS OF PHASE I CONSTRUCTION.

PROJECT BENCHMARK

FOUND
1995 BLM BRASS CAP, EAST QUARTER
SECTION 24, T30N, R18W
N = 28995.016' (N36°47'57.93927")
E = 2474979.567' (W08°40'57.60518")
EL = 5082.07'
PRIOR TO DISTURBING THIS MONUMENT A NEW
WITNESS MONUMENT SHALL BE SET IN AN
AREA THAT WILL NOT BE DISTURBED AND
THAT LOCATION SHALL BE THE NEW PROJECT
BENCHMARK.

GRADING KEYED NOTES:

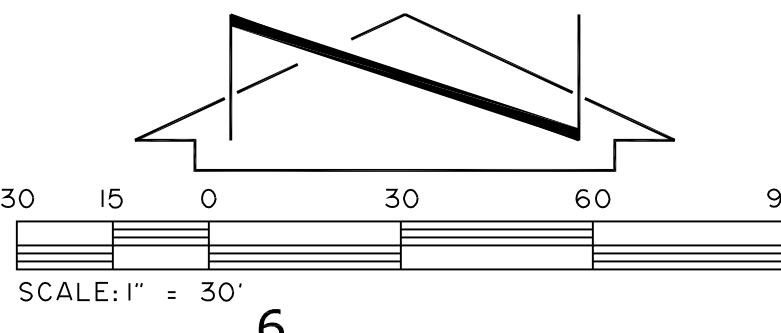
- 1) FUTURE USE SEE LANDSCAPING PLANS FOR CONSTRUCTION AND SPECIFICATIONS.
- 2) FUTURE BASKETBALL COURT. SEE LANDSCAPE PLANS FOR CONSTRUCTION AND SPECIFICATIONS.
- 3) FUTURE 6' HIGH CMU SCREEN WALL. BY OTHERS.
- 4) FUTURE PHASE BUILD 2 BEDROOM ADA UNIT.
- 5) FUTURE PHASE BUILD 3 BEDROOM ADA UNIT.
- 6) ROCKWOOD BLOCK RETAINING WALL. SEE SHEET C101A FOR TOP OF WALL GRADES. SEE DETAIL 2/C101B.
- 7) CONSTRUCT A TEMPORARY GRAVEL 25.0' RADIUS CUL DE SAC FOR PHASE I.
- 8) INSTALL 3" TO 6" CLEAN ROCK ON SIDE SLOPES OF DETENTION POND. LEAVE THE INVERT AS NATIVE SOILS.

FINISH FLOOR KEYED NOTES:

- A) 3 BEDROOM FINISH FLOOR ELEV = 5078.50
- B) 2 BEDROOM MIRRORED FINISH FLOOR ELEV = 5077.00
- C) 2 BEDROOM FINISH FLOOR ELEV = 5080.50
- D) 2 BEDROOM MIRRORED FINISH FLOOR ELEV = 5080.50
- E) 2 BEDROOM FINISH FLOOR ELEV = 5080.50
- F) 2 BEDROOM FINISH FLOOR ELEV = 5080.10
- G) 2 BEDROOM FINISH FLOOR ELEV = 5075.00
- H) 2 BEDROOM FINISH FLOOR ELEV = 5074.30
- I) 2 BEDROOM FINISH FLOOR ELEV = 5073.6

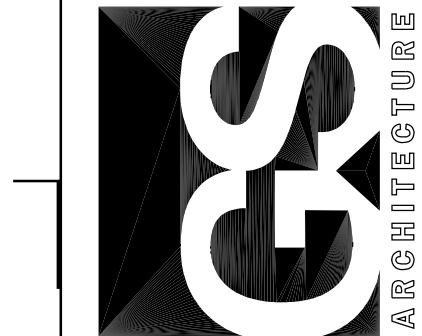
NOTES:

1. ALL PROPOSED UTILITIES HAVE BEEN REMOVED FROM THIS PLAN FOR CLARITY. SEE SHEETS No. C102, C103, C104 AND C105 FOR UTILITY INSTALLATION.
2. SEE SHEET C105 FOR ROAD PROFILE DETAILS AND SHEET C108 FOR SIDEWALK AND DRIVE PAD CONSTRUCTION DETAIL 4/C109.
3. PHASE I SCOPE OF WORK IS BASE BID.



MESA HEIGHTS TEACHERAGE SUBDIVISION
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

GREER STAFFORD/SCF ARCHITECTURE, INC.
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PROJECT NO.	5417.02 (CWE 20160)
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CHECKED BY:	RAE
DATE:	NOVEMBER 05, 2020

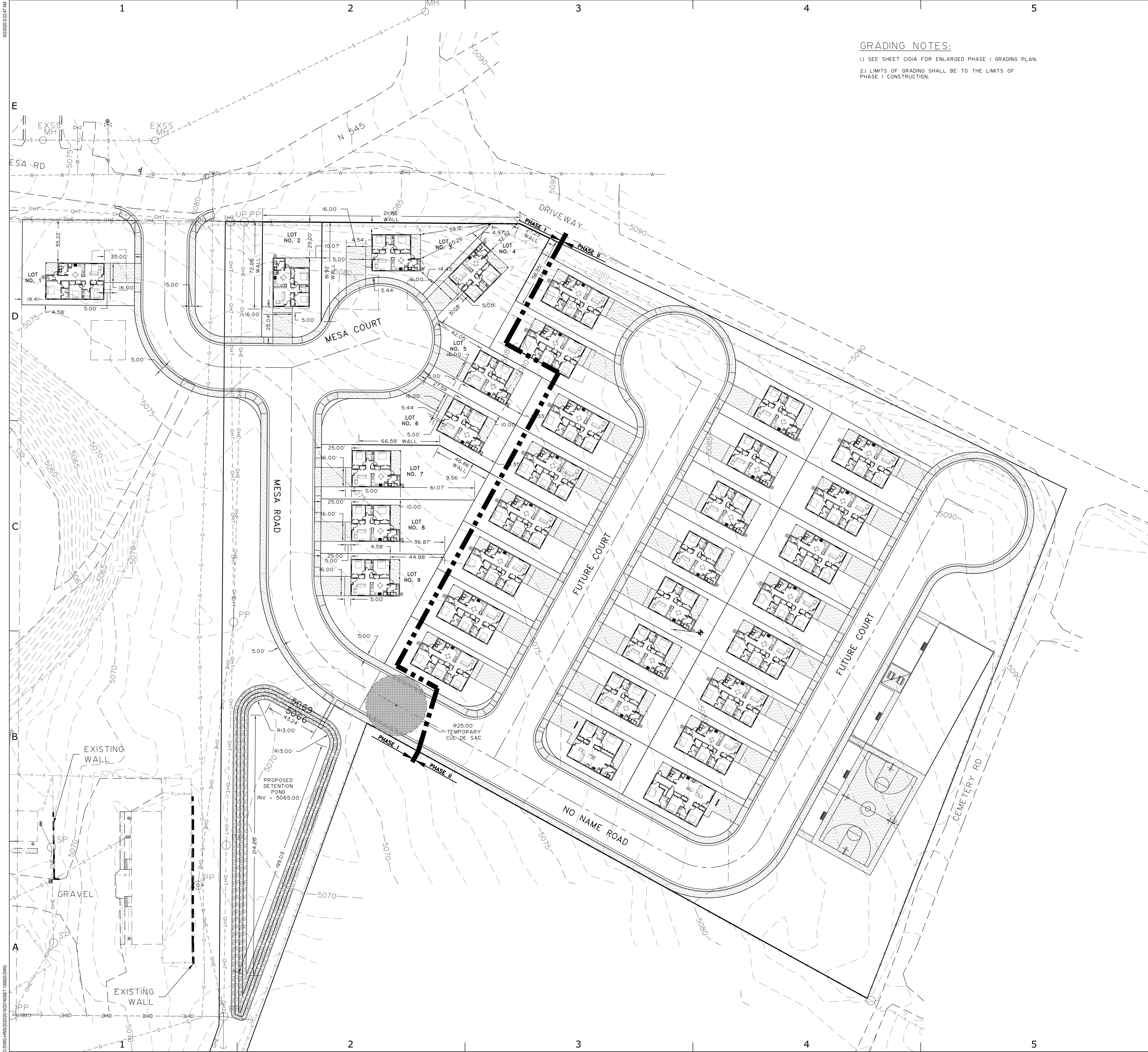
SHEET TITLE
SITE PLAN
PHASE I AND II
BASE BID

DRAWING SHEET

C101

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GRADING NOTES:

- 1.) SEE SHEET C101A FOR ENLARGED PHASE I GRADING PLAN.
- 2.) LIMITS OF GRADING SHALL BE TO THE LIMITS OF PHASE I CONSTRUCTION.

PROJECT BENCHMARK

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SHIPROCK, NM

PROJECT NO.	5417.02 (CWE 20160)
DRAWN BY:	HWS
CHECKED BY:	RAE
SHEET TITLE	DIMENSION CONTROL PLAN BASE BID
DRAWING SHEET	

PROJECT: 5417.02 (CWE 20160)
DRAWN BY: HWS
CHECKED BY: RAE
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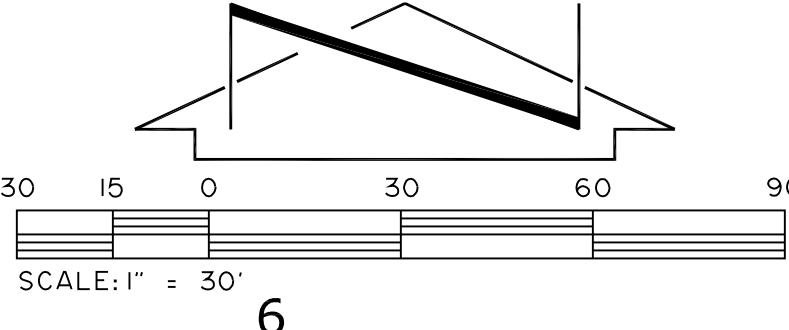
DIMENSION CONTROL PLAN
BASE BID

DRAWING SHEET

C101B

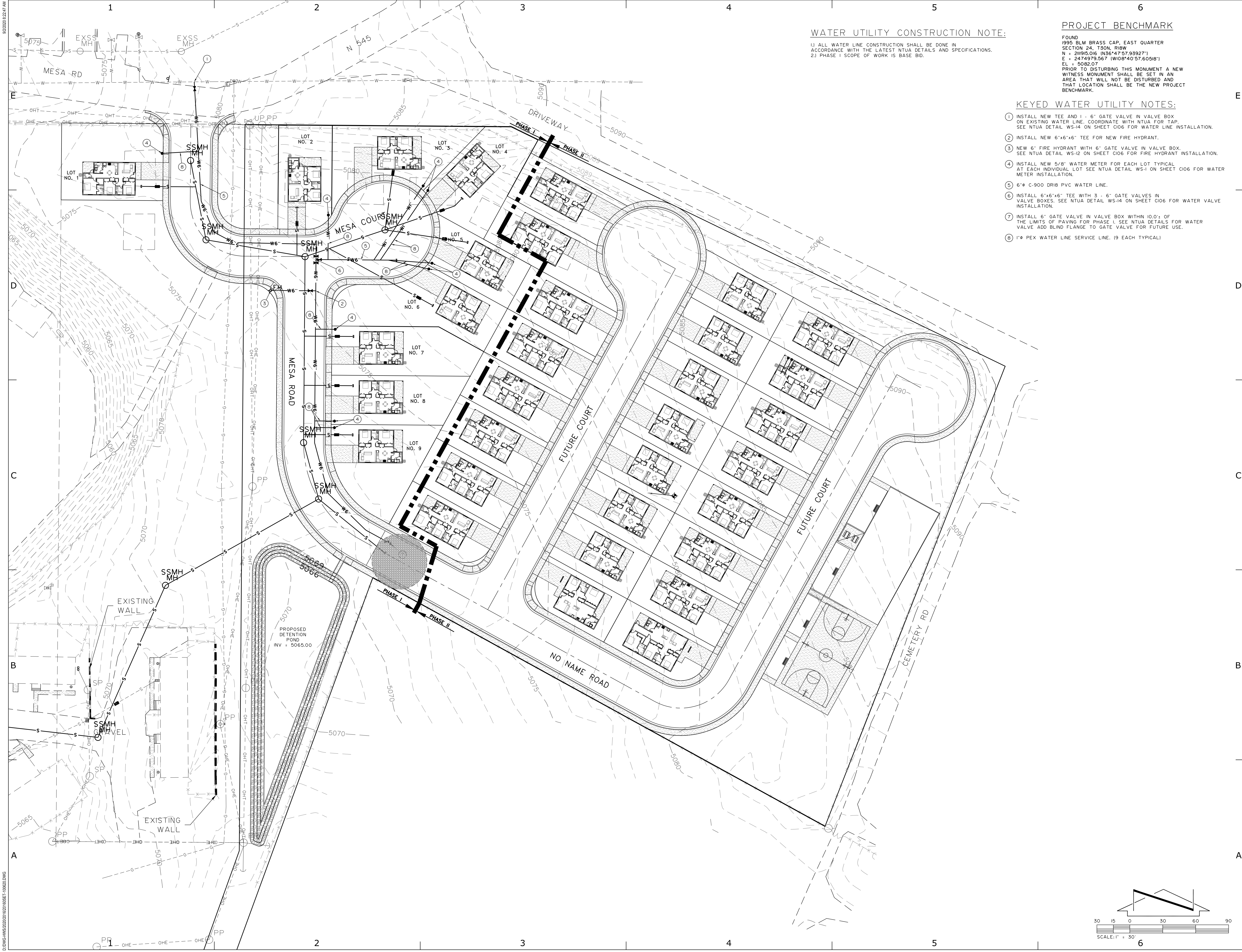
NOTES:

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2. SEE SHEET C105 FOR ROAD PROFILE DETAILS AND SHEET C108 FOR SIDEWALK AND DRIVE PAD CONSTRUCTION DETAIL 4/C109.
3. PHASE I SCOPE OF WORK IS BASE BID.



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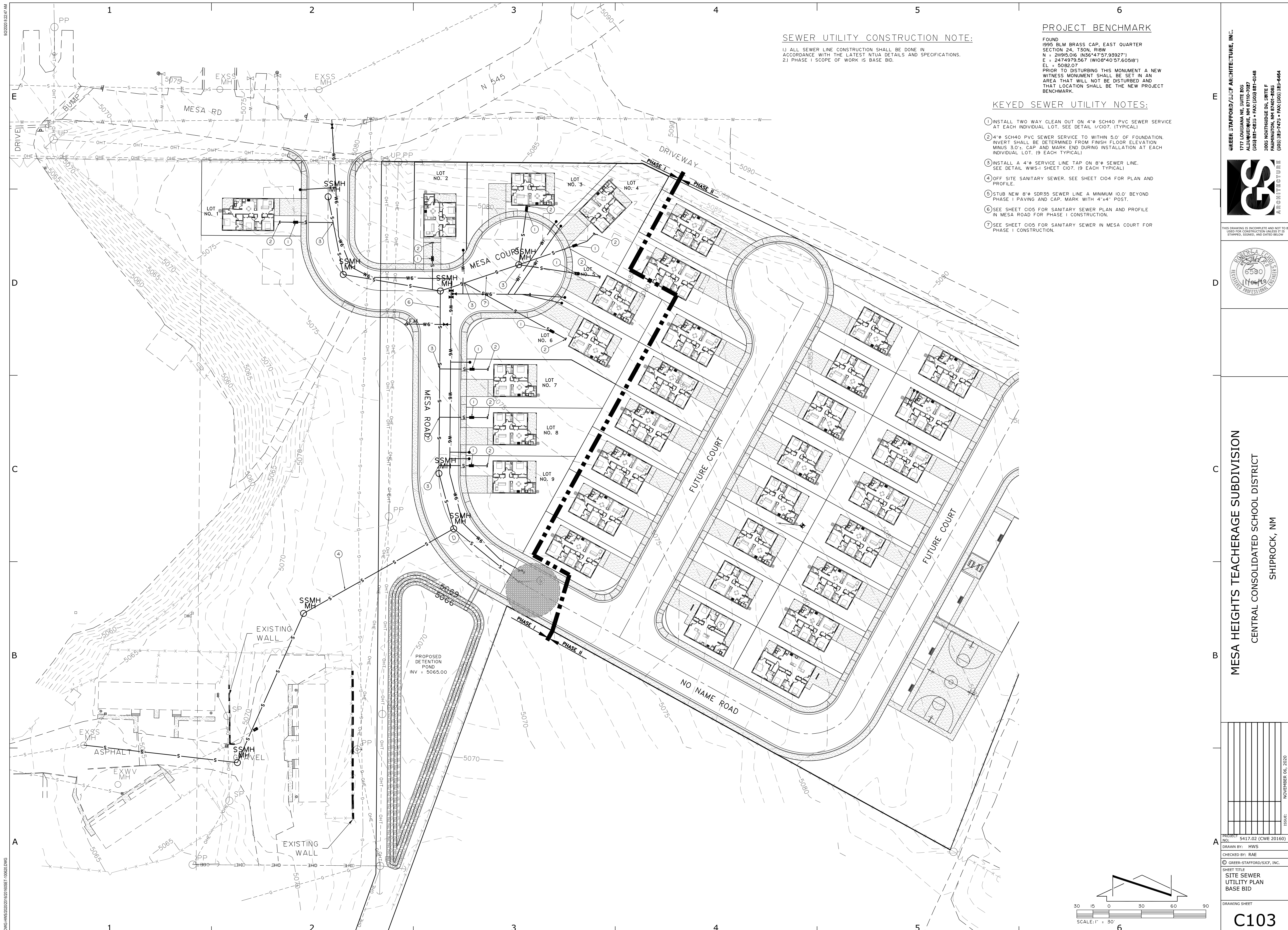
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MESA HEIGHTS TEACHERAGE SUBDIVISION
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

PROJECT	5417.02 (CWE 20160)
NO.	
DRAWN BY:	HWS
CHECKED BY:	RAE
DATE	
SHEET TITLE	SITE WATER UTILITY PLAN BASE BID
DRAWING SHEET	

C102

NOVEMBER 05, 2020



SEWER UTILITY CONSTRUCTION NOTE:

1.) ALL SEWER LINE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST NTUA DETAILS AND SPECIFICATIONS.
2.) PHASE I SCOPE OF WORK IS BASE BID.

PROJECT BENCHMARK

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KEYED SEWER UTILITY NOTES:

- 1. INSTALL TWO WAY CLEAN OUT ON 4" SCH40 PVC SEWER SERVICE AT EACH INDIVIDUAL LOT. SEE DETAIL 1/C107. (TYPICAL)
- 2. 4" SCH40 PVC SEWER SERVICE TO WITHIN 5.0' OF FOUNDATION. INVERT SHALL BE DETERMINED FROM FINISH FLOOR ELEVATION MINUS 3.0'. CAP AND MARK END DURING INSTALLATION AT EACH INDIVIDUAL LOT. (9 EACH TYPICAL)
- 3. INSTALL A 4" SERVICE LINE TAP ON 8" SEWER LINE. SEE DETAIL WWS-1 SHEET C107. (9 EACH TYPICAL)
- 4. OFF SITE SANITARY SEWER. SEE SHEET C104 FOR PLAN AND PROFILE.
- 5. STUB NEW 8" SDR35 SEWER LINE A MINIMUM 10.0' BEYOND PHASE I PAVING AND CAP. MARK WITH 4"x4" POST.
- 6. SEE SHEET C105 FOR SANITARY SEWER PLAN AND PROFILE IN MESA ROAD FOR PHASE I CONSTRUCTION.
- 7. SEE SHEET C105 FOR SANITARY SEWER IN MESA COURT FOR PHASE I CONSTRUCTION.

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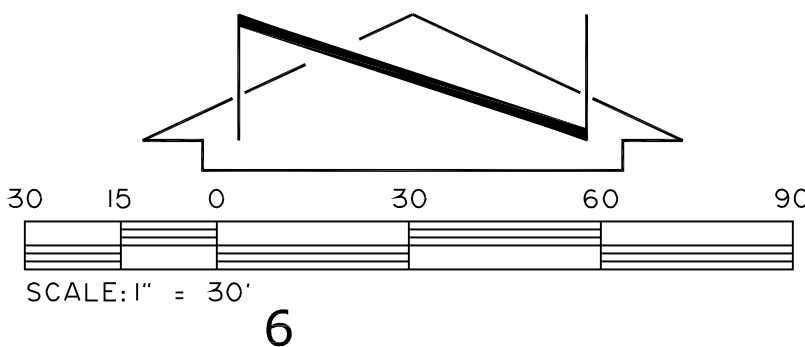
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CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

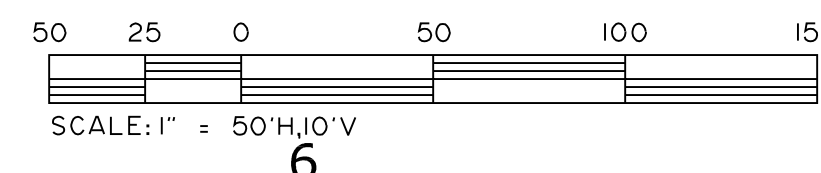
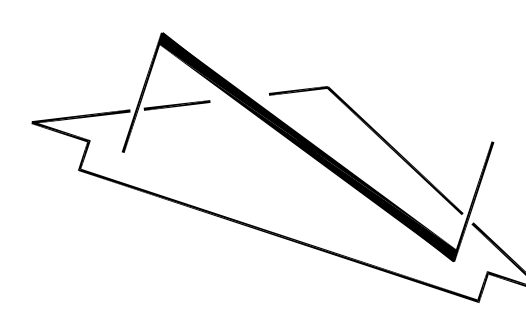
PROJECT NO.	5417.02 (CWE 20160)
DRAWN BY:	HWS
CHECKED BY:	RAE
DATE:	NOVEMBER 05, 2020

SHEET TITLE
SITE SEWER
UTILITY PLAN
BASE BID

DRAWING SHEET

C103





1.) ALL SEWER LINE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST NTUA DETAILS AND SPECIFICATIONS.
2.) SEE SHEET C107 AND C108 FOR SEWER MANHOLE INSTALLATION NTUA DETAILS.

(A) EXIST SSMH STA 0-50
RIM 5064.10
INVERT IN 5059.60

(B) SSMH STA 1-93.72
RIM 5068.48
INVERT IN 5062.36
INVERT OUT 5062.26

(C) SSMH STA 3-45.31
RIM 5071.05
INVERT IN 5064.00
INVERT OUT 5063.90

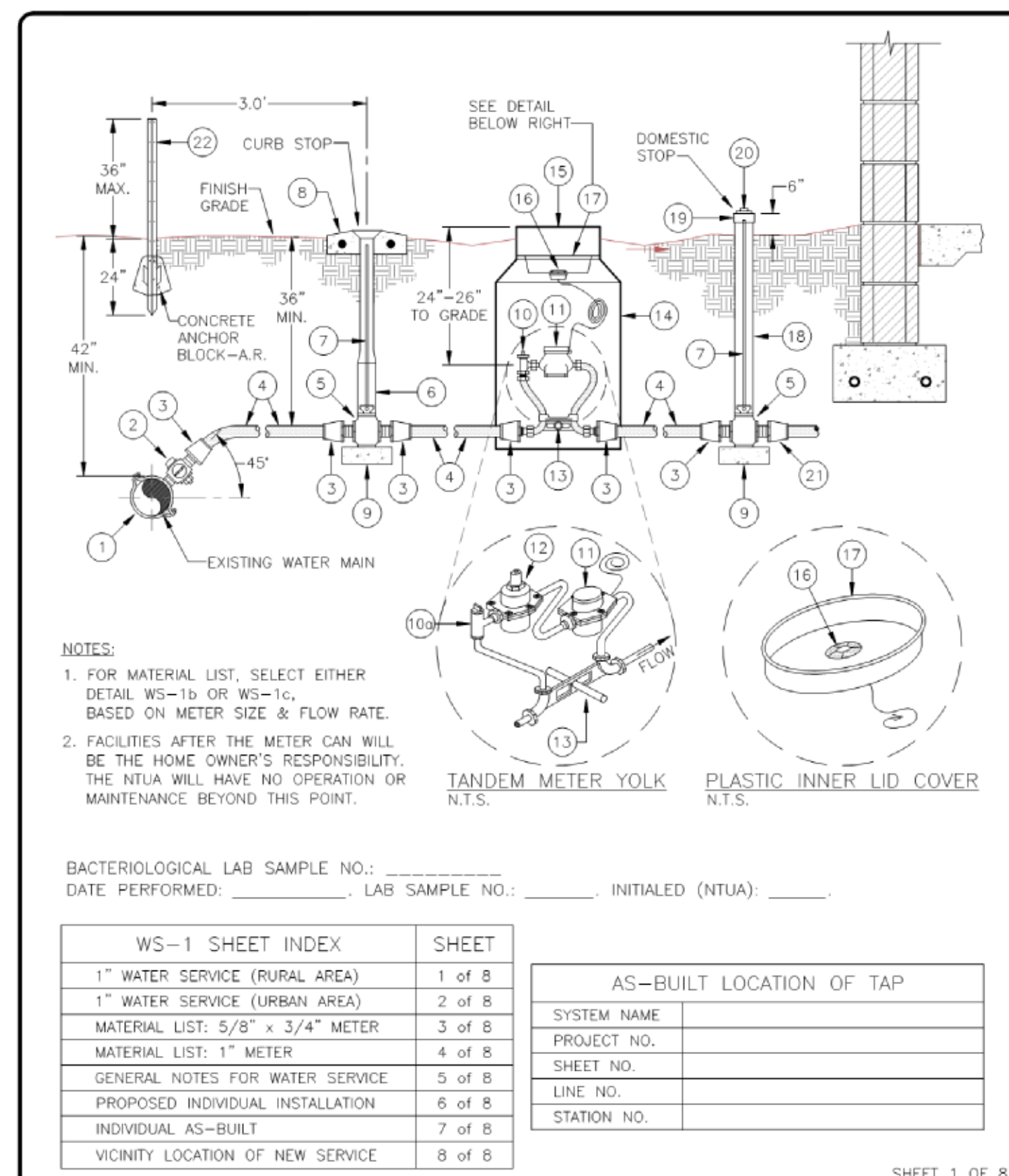
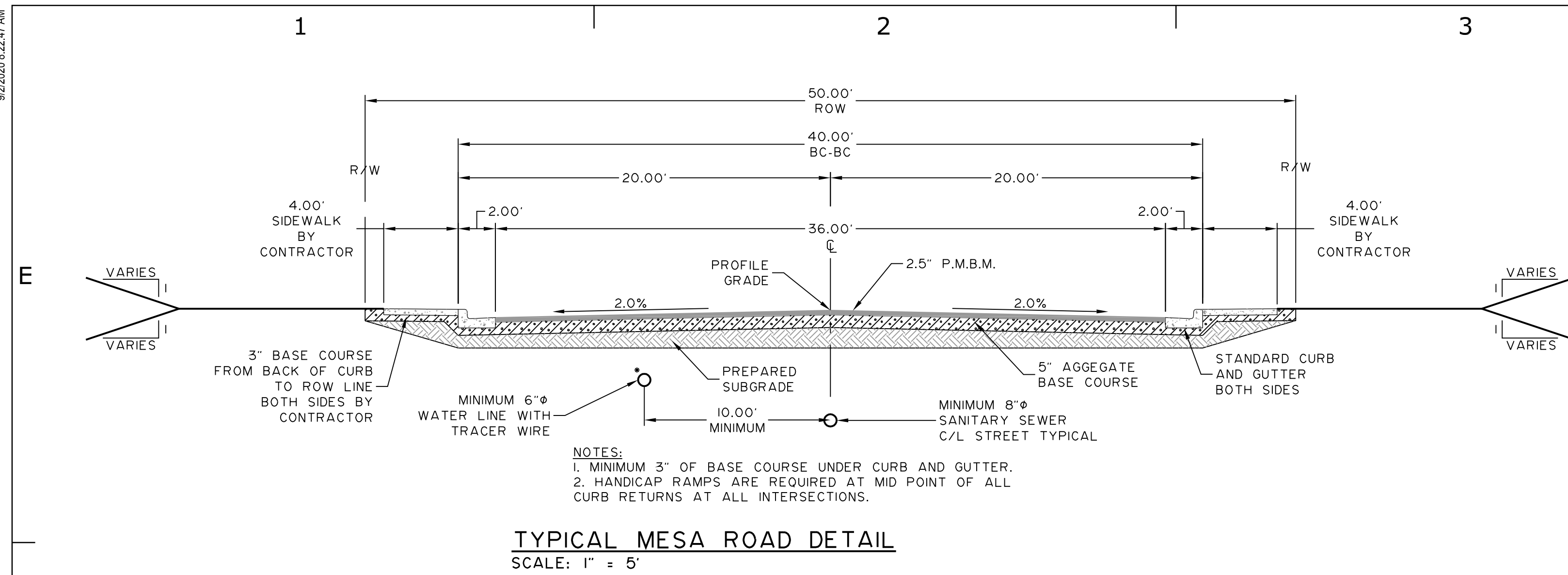
(D) SSMH STA 5-05.51
RIM 5072.53
INVERT IN 5065.60
INVERT IN 5065.60
INVERT OUT 5065.50

I.) PHASE I SCOPE OF WORK IS BASE BID.

[illegible]

DRAWING SHEET

C104




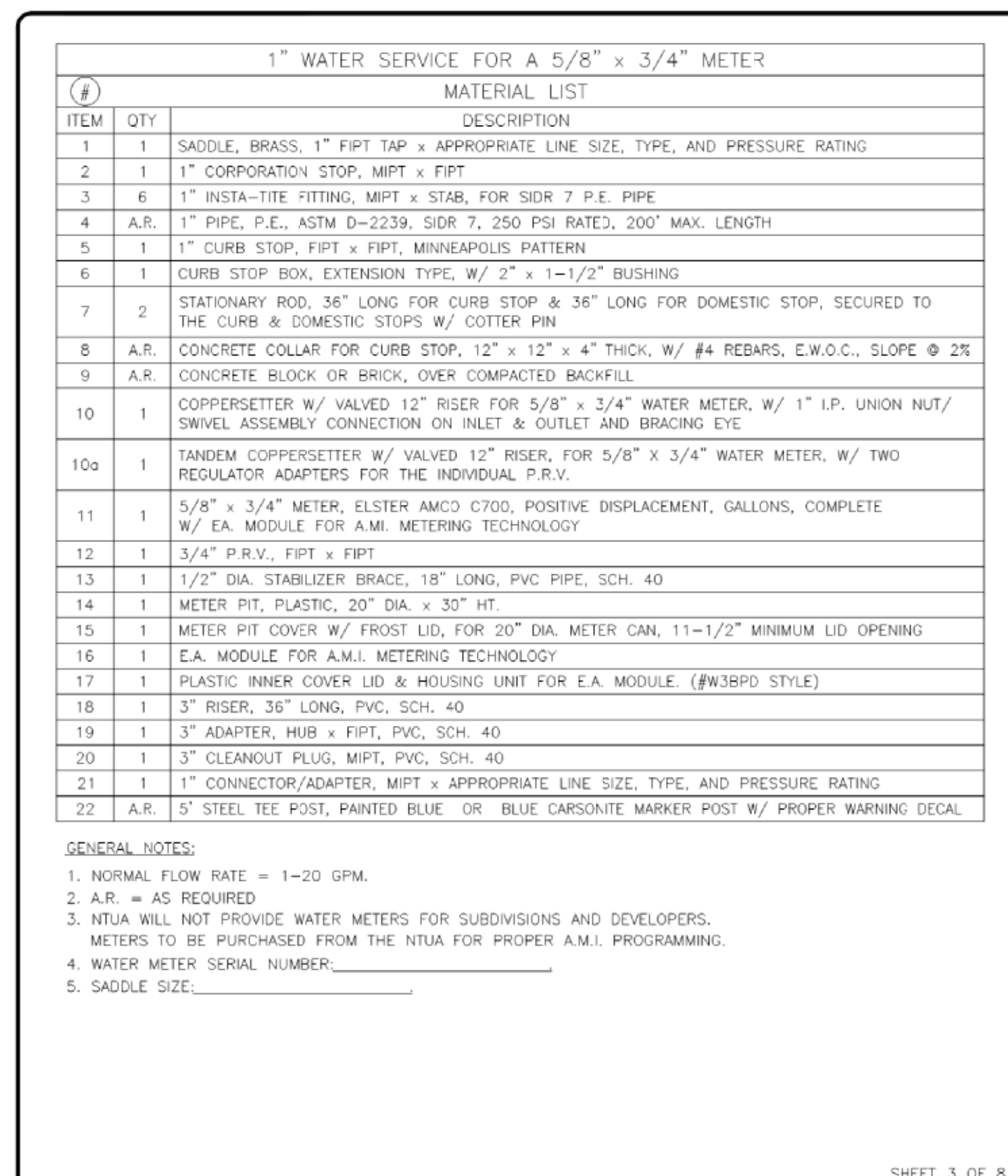
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SUPPLIED BY:		01	04/08	Revised
DRAWN BY:	NTUA	02	05/17	2017 Update
APPROVED BY:	08/2017			
PROJECT NO:				
SCALE:				
DATE: (Month)	2017 08/18 (See file for date)			
DETAILS:	WD-1			

NAVAJO TRIBAL UTILITY AUTHORITY
ENGINEERING & CONSTRUCTION OPERATIONS DIVISION

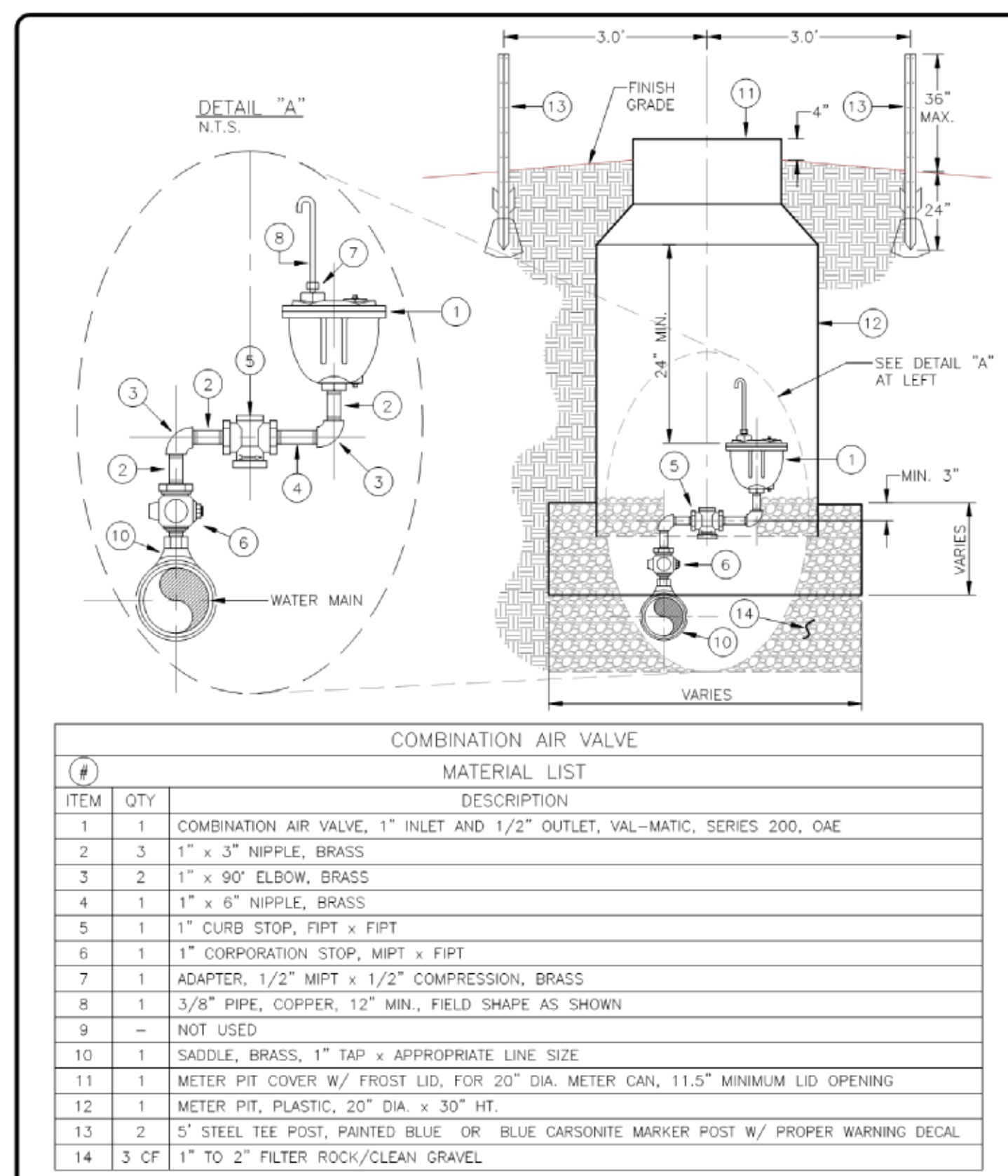
1" WATER SERVICE FOR A
5/8" X 3/4" OR 1" METER
(RURAL AREA)

NTUA HEADQUARTERS 77-DEWANCE, AZ

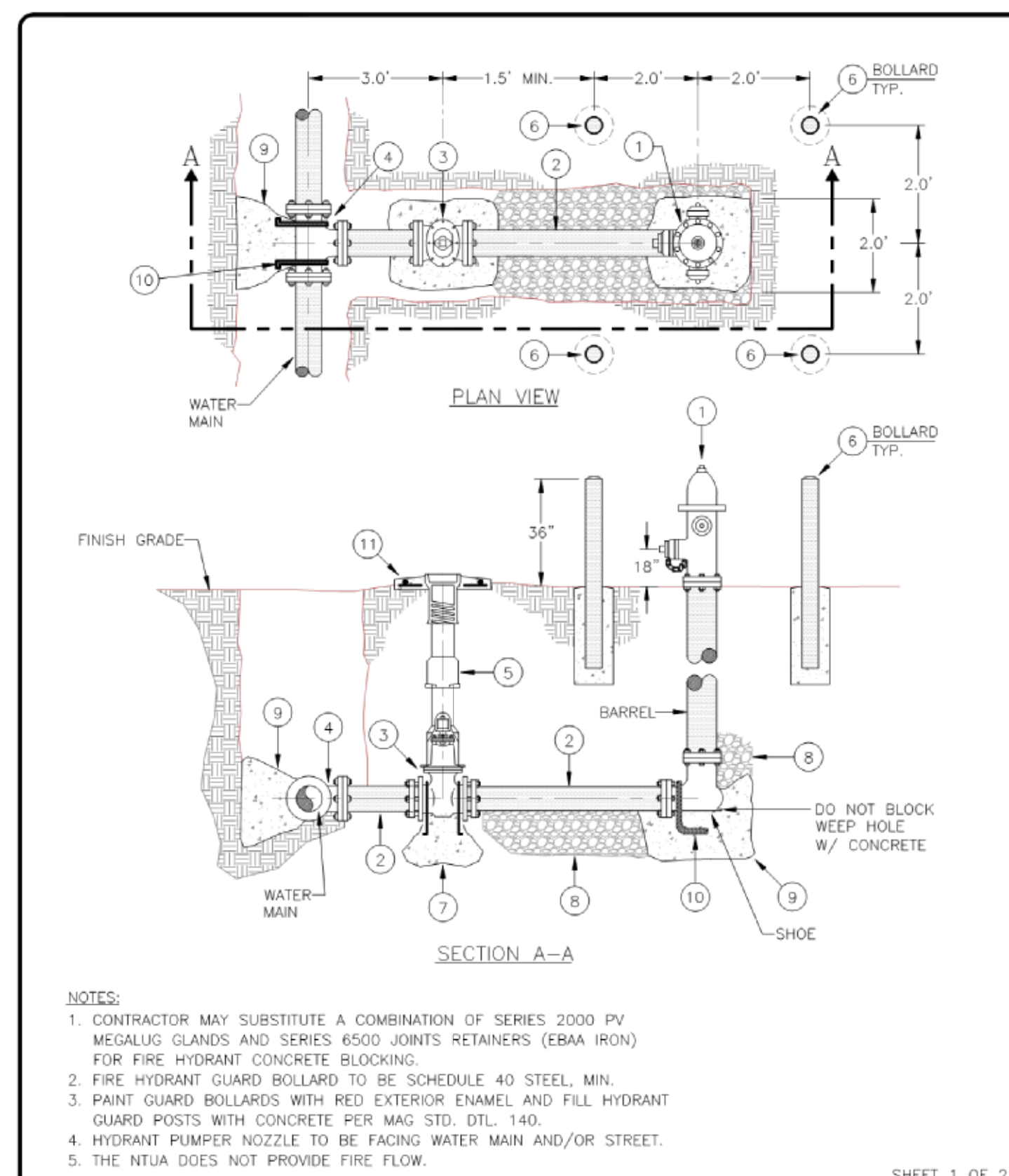
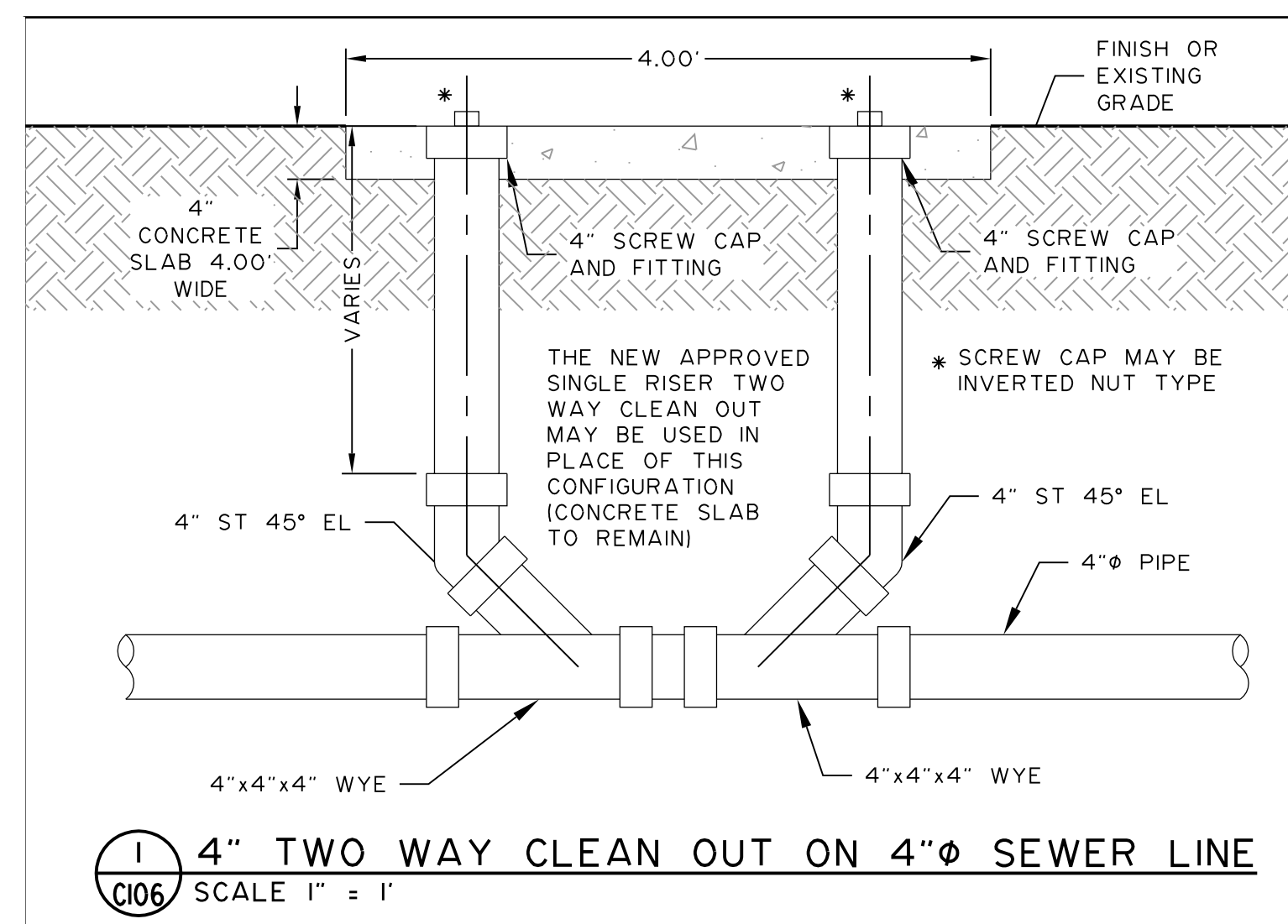




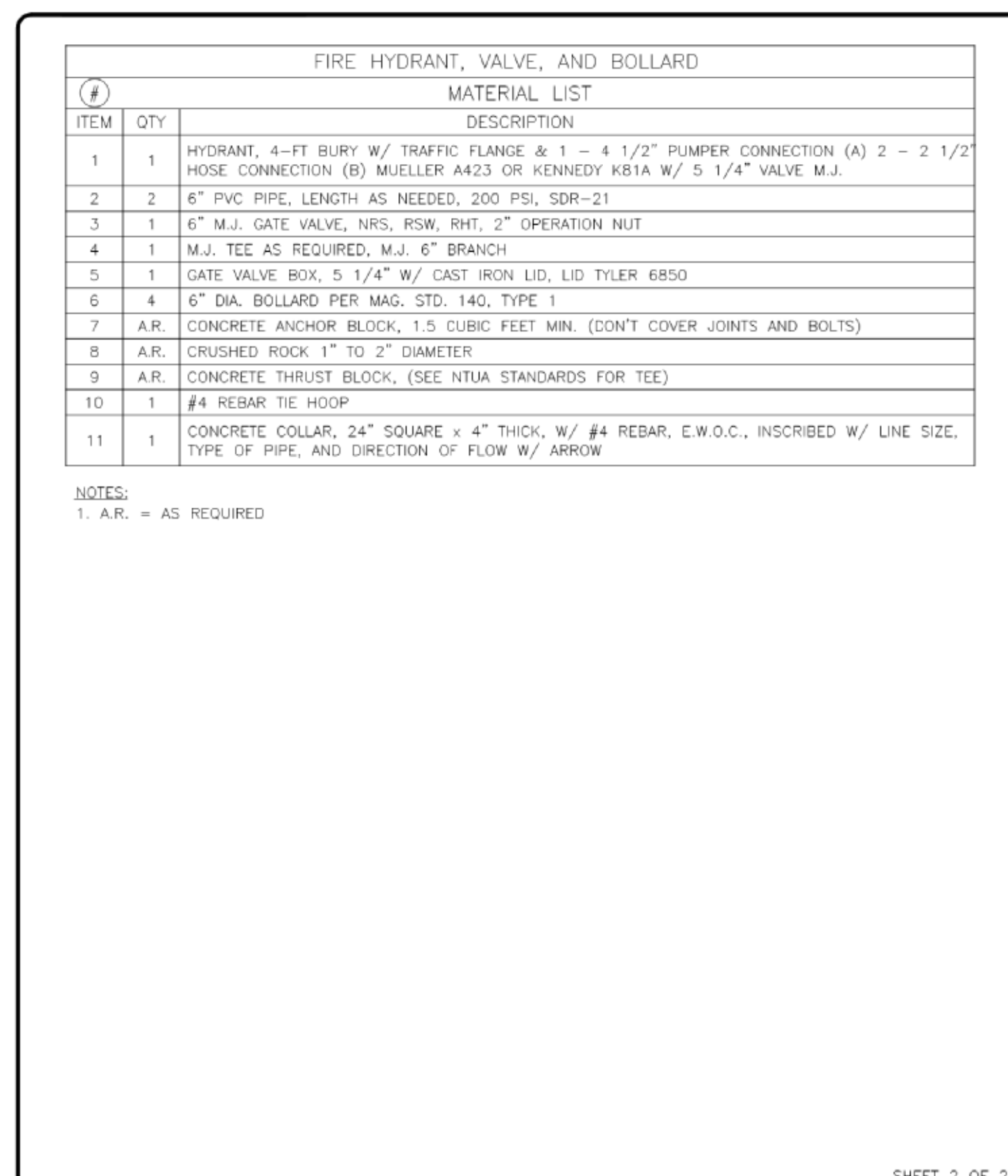
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Date	Revised	By							
01/06/17	2017 Update	L.A.							




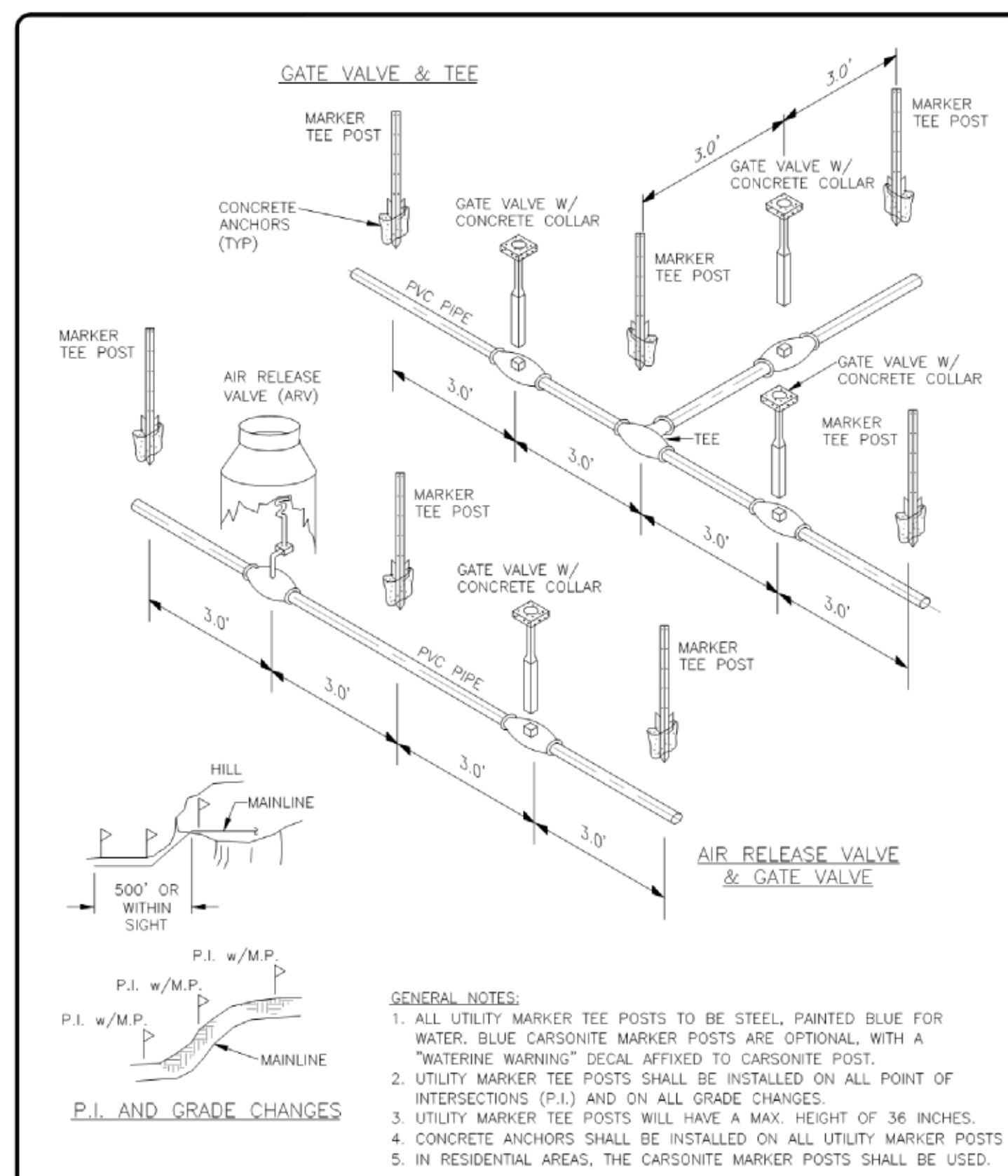
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DRAWN BY: <u>NTUA</u>		ENGINEERING & CONSTRUCTION OPERATIONS DIVISION		REV	DATE	
CHECKED BY: <u>NTUA</u>		COMBINATION AIR VALVE DETAIL		BY	DATE	
PROJECT NO: <u>08/2017</u>				REVISION	DATE	
SCALE: <u>N/A</u>				A.S.		
DATE: <u>08/17/2017</u>		NTUA HEADQUARTERS		PT. DEFIANCE, AZ		
DETAIL NO: <u>WG-10</u>						33




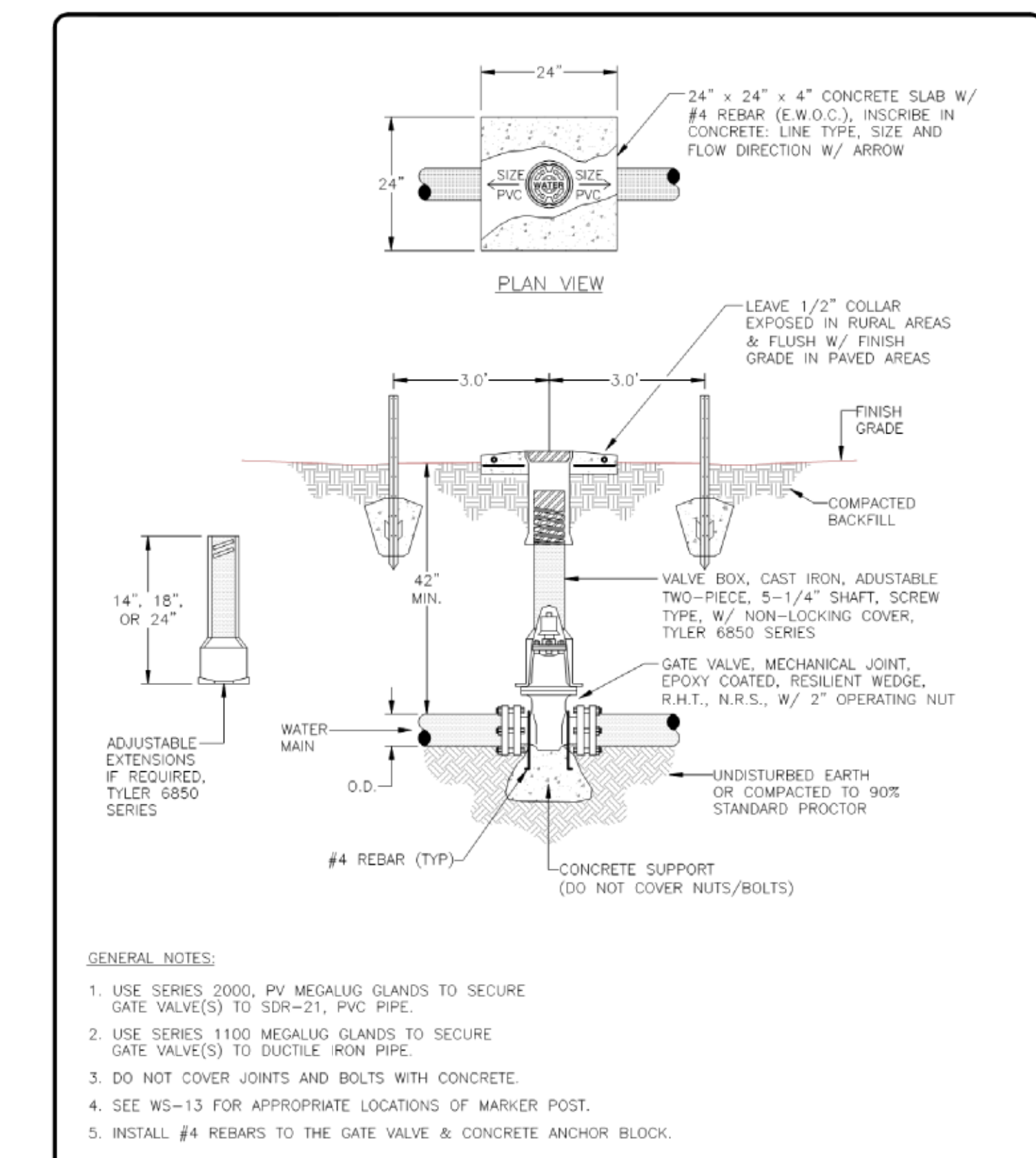
DESIGNED BY	NTUA	REVISIONS	
DRAWN BY	CHANDLER, JR.	01	08/01
CHECKED BY	NTUA	02	08/08
APPROVED BY	NTUA	03	08/12
DATE	08/20/2017	04	2017 Update
PROJECT NO.		05	
SCALE		06	
NOTES	2017 RSP 301 Use for New only	07	
DETAIL NO.		08	
		09	
		10	
		11	
		12	



DESIGNED BY: NTUA DRAWN BY: NTUA APPROVED BY: NTUA DATE: 08/07/2014 PROJECT NO.: SCALE: NTS CLIENT: TELHAR DETAIL NO.: 101-12		NAYAGO TRIBAL UTILITY AUTHORITY ENGINEERING & CONSTRUCTION CONTRACTORS DIVISION MATERIAL LIST: FIRE HYDRANT, VALVE, AND BOLLARD NTUA HEADQUARTERS STAPLENCRE, AZ		REVISIONS <table> <tr> <th>REV.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> <tr> <td>01</td> <td>06/08/08</td> <td>Project</td> <td></td> </tr> <tr> <td>02</td> <td>08/17/12</td> <td>2017 Update</td> <td></td> </tr> </table>		REV.	DATE	BY	DESCRIPTION	01	06/08/08	Project		02	08/17/12	2017 Update			
REV.	DATE	BY	DESCRIPTION																
01	06/08/08	Project																	
02	08/17/12	2017 Update																	



DESIGNED BY: NTUA DRAWN BY: NTUA APPROVED BY: NTUA DATE: 08/20/2017 PROJECT NO.: NTS SCALE: NTS CADD FILE NAME: 2017 850 SW 30 in. Box.dwg DETAIL NO.: 1-1		NAVAJO TRIBAL UTILITY AUTHORITY ENGINEERING & CONSTRUCTION OPERATIONS DIVISION <h2 style="text-align: center;">UTILITY MARKER POST DETAIL</h2> NTUA HEADQUARTERS FT. DEFENCE, AZ		REVISIONS <table> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td>01</td> <td>05/08/08</td> <td>Present</td> </tr> <tr> <td>02</td> <td>08/17</td> <td>2017 Update</td> </tr> <tr> <td>03</td> <td></td> <td></td> </tr> <tr> <td>04</td> <td></td> <td></td> </tr> <tr> <td>05</td> <td></td> <td></td> </tr> </table>		REV	DATE	BY	01	05/08/08	Present	02	08/17	2017 Update	03			04			05			
REV	DATE	BY																						
01	05/08/08	Present																						
02	08/17	2017 Update																						
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04																								
05																								



DESIGNED BY:	NTUA	NAVAJO TRIBAL UTILITY AUTHORITY ENGINEERING & CONSTRUCTION OPERATIONS DIVISION		REVISIONS	
DRAWN BY:	WJG			1	BK
CHECKED BY:	WJG			2	AS
DATE:	08/07/17			3	AS
ISSUANCE NO.	08/07/17			4	AS
SCALE:	N/A			5	AS
SHEET COUNT:	207 OF 207 - See Key			6	AS
TOTAL SHEETS:	207-1-A	NTUA HEADQUARTERS PEERABEACH, AZ		7	AS

E

D

C

B

A

1

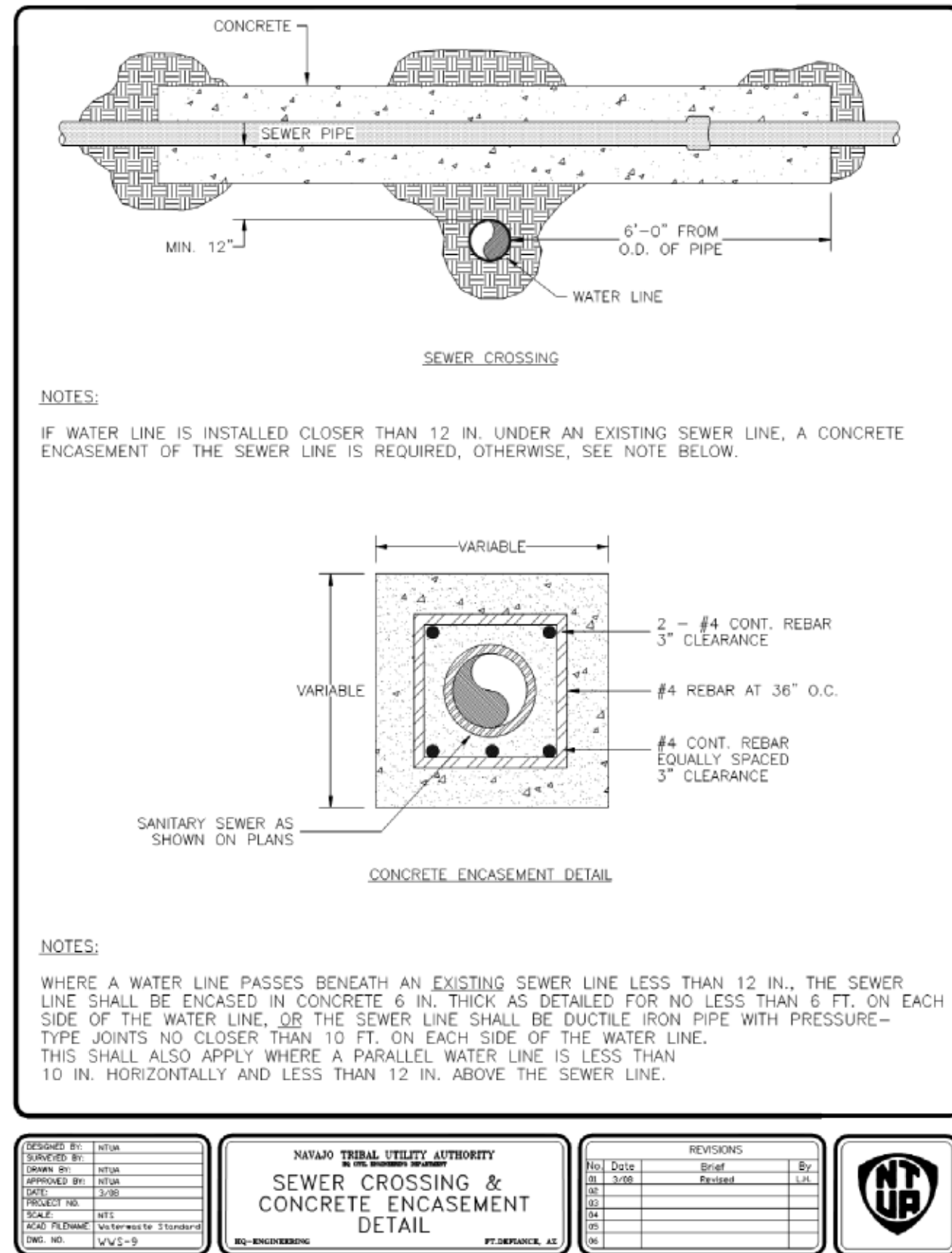
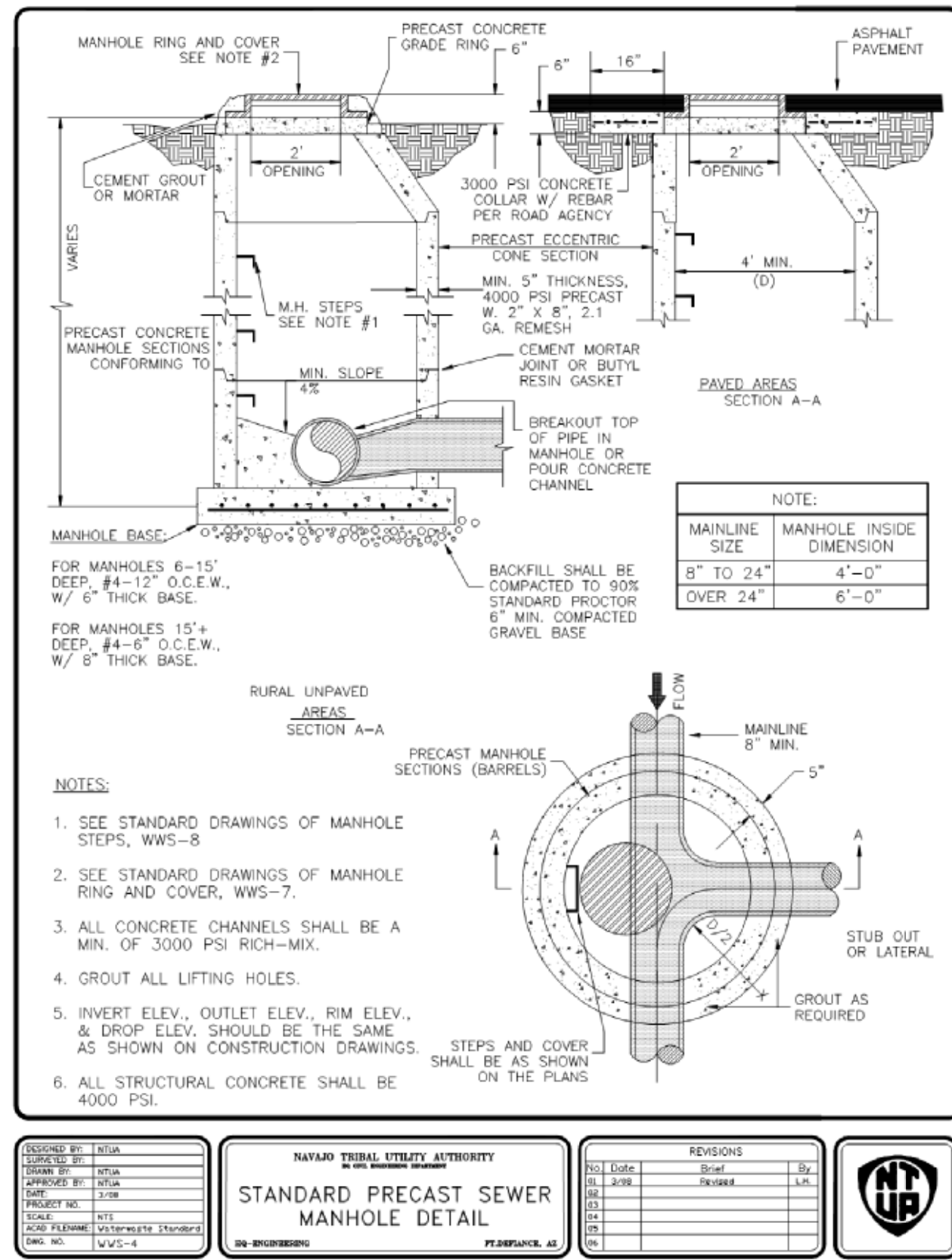
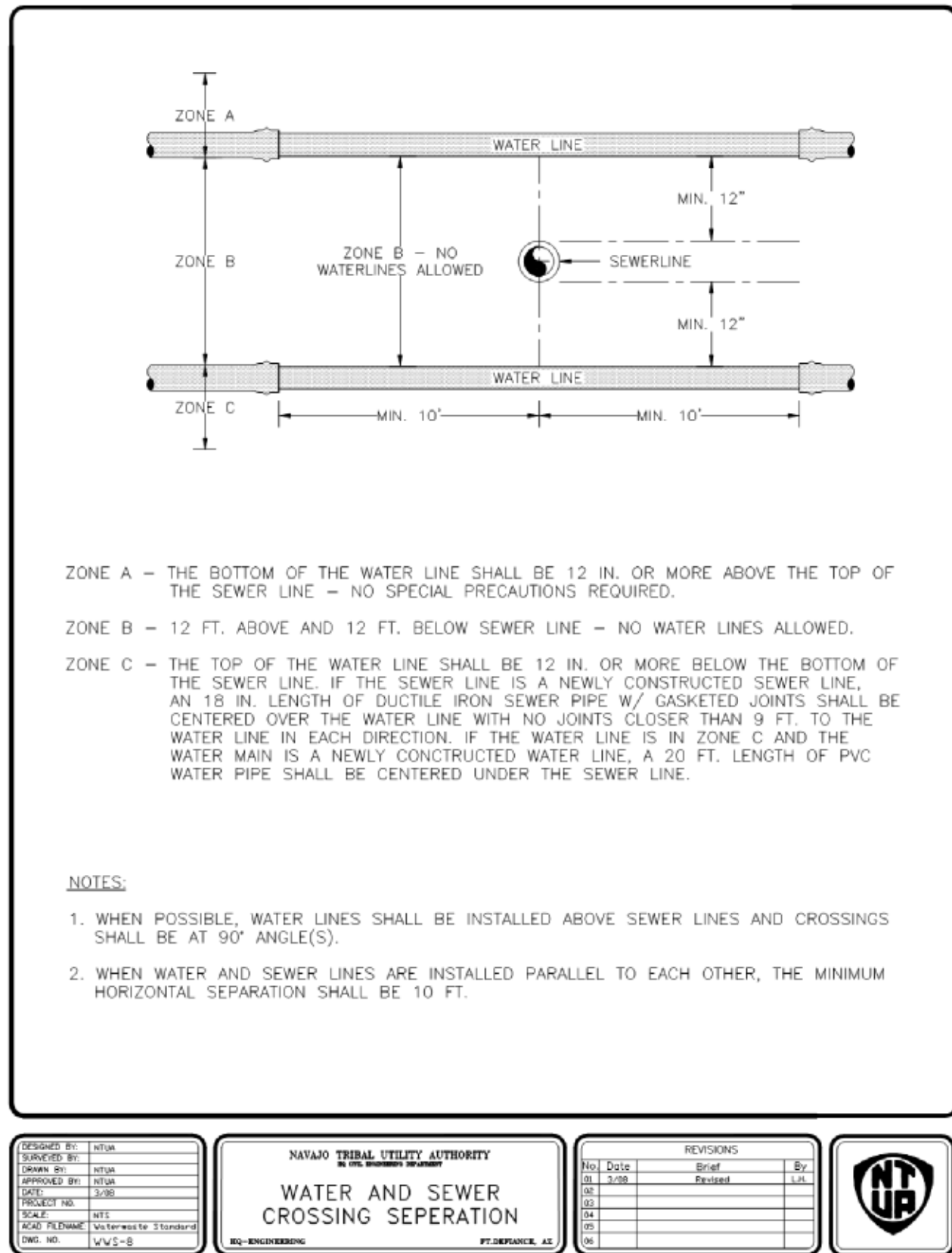
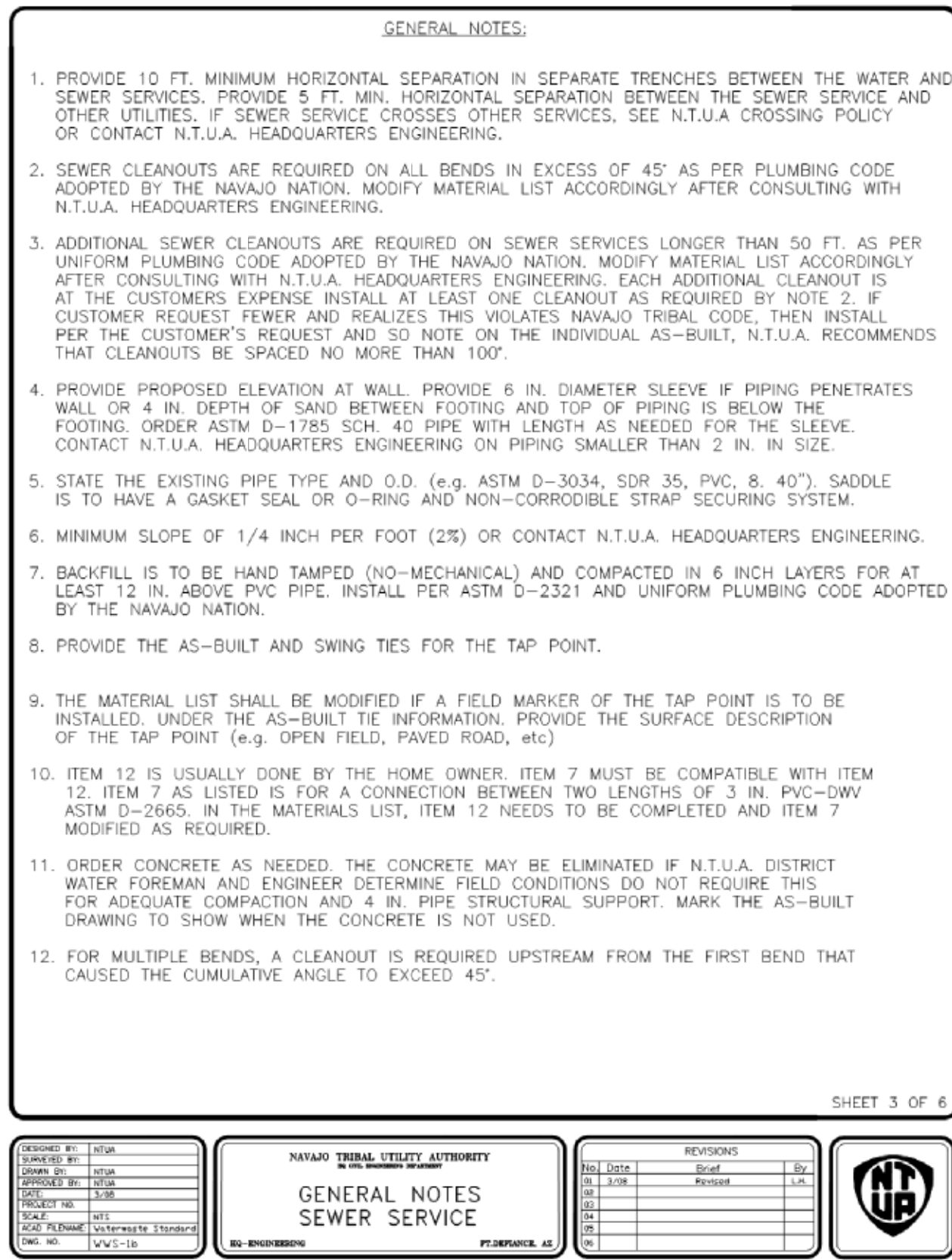
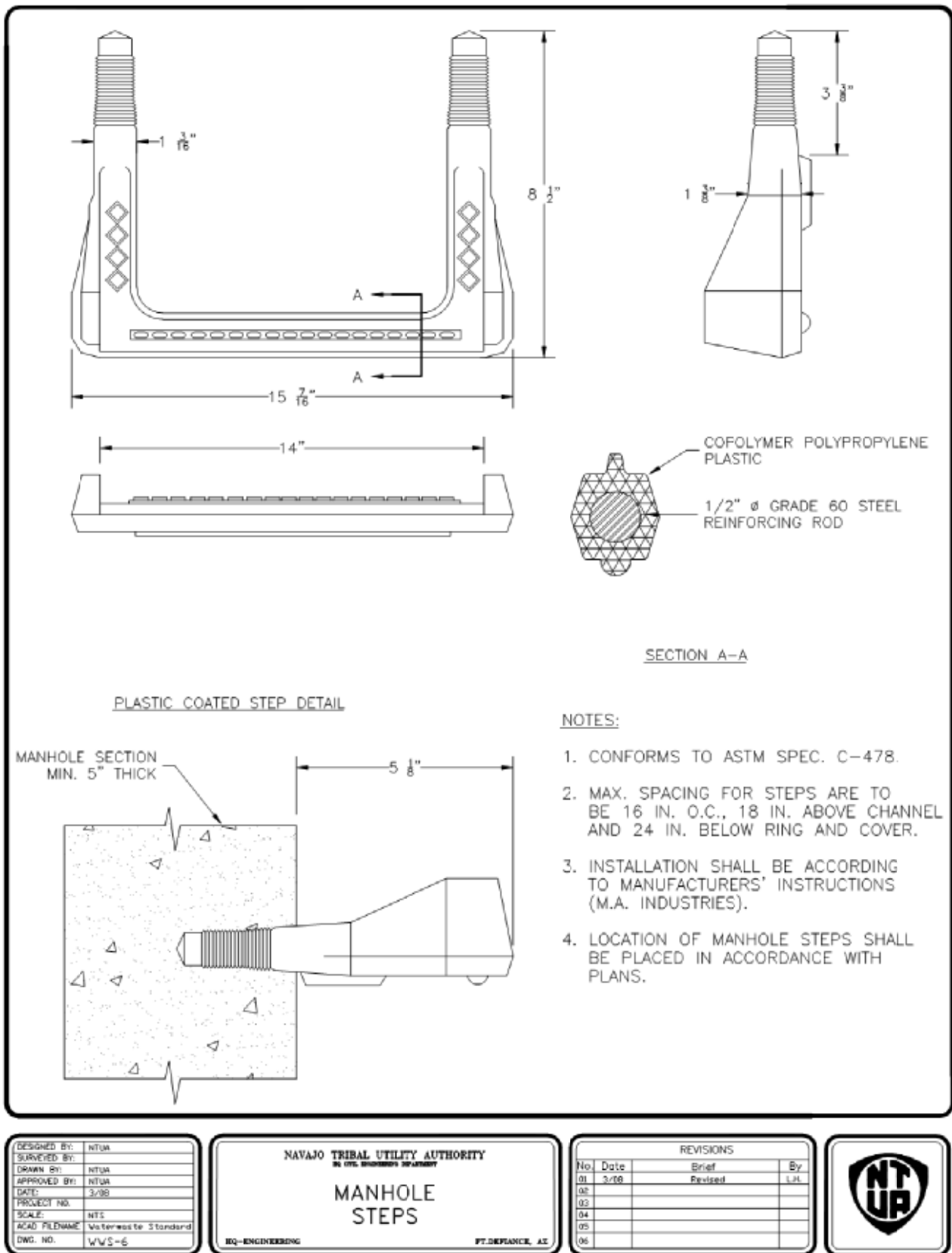
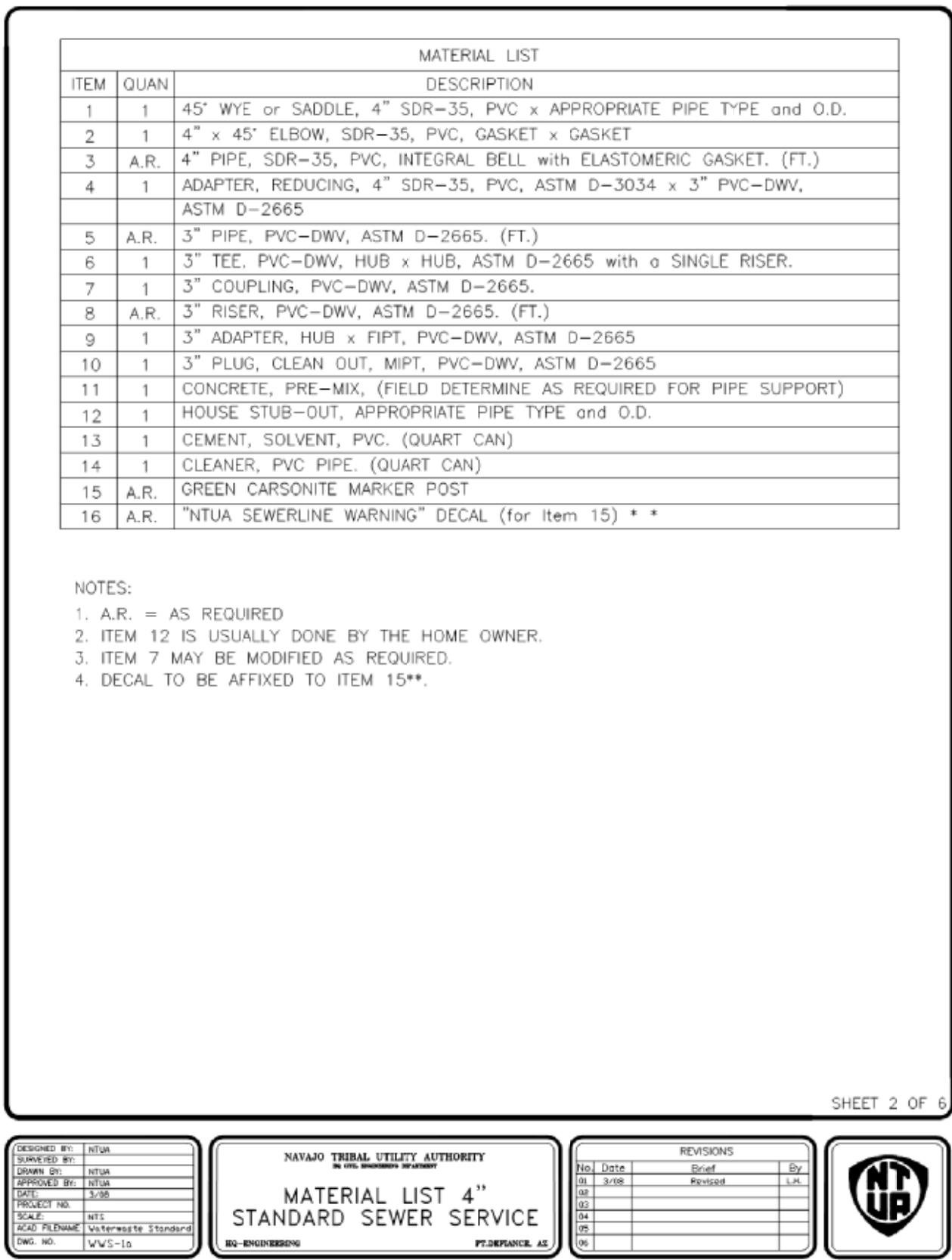
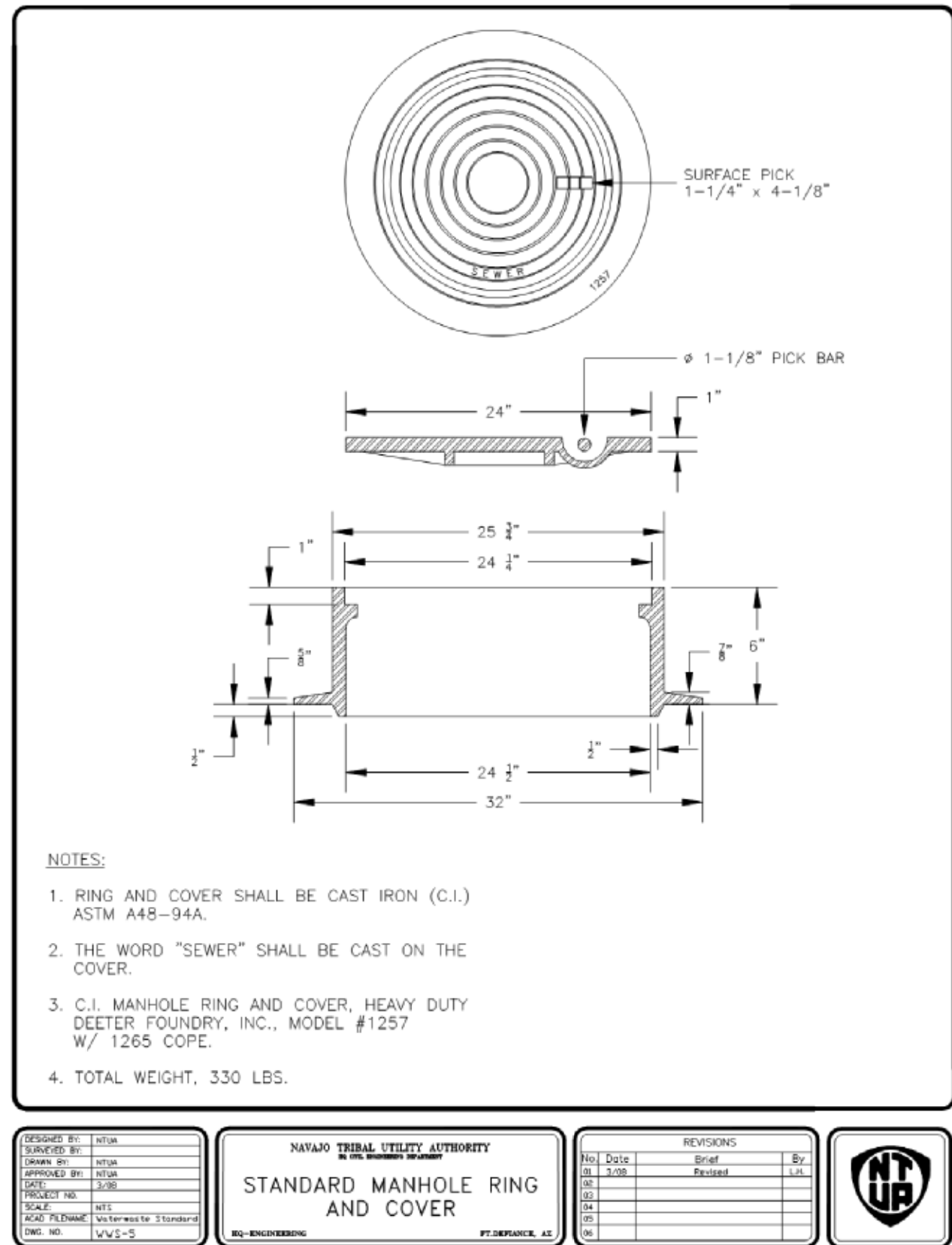
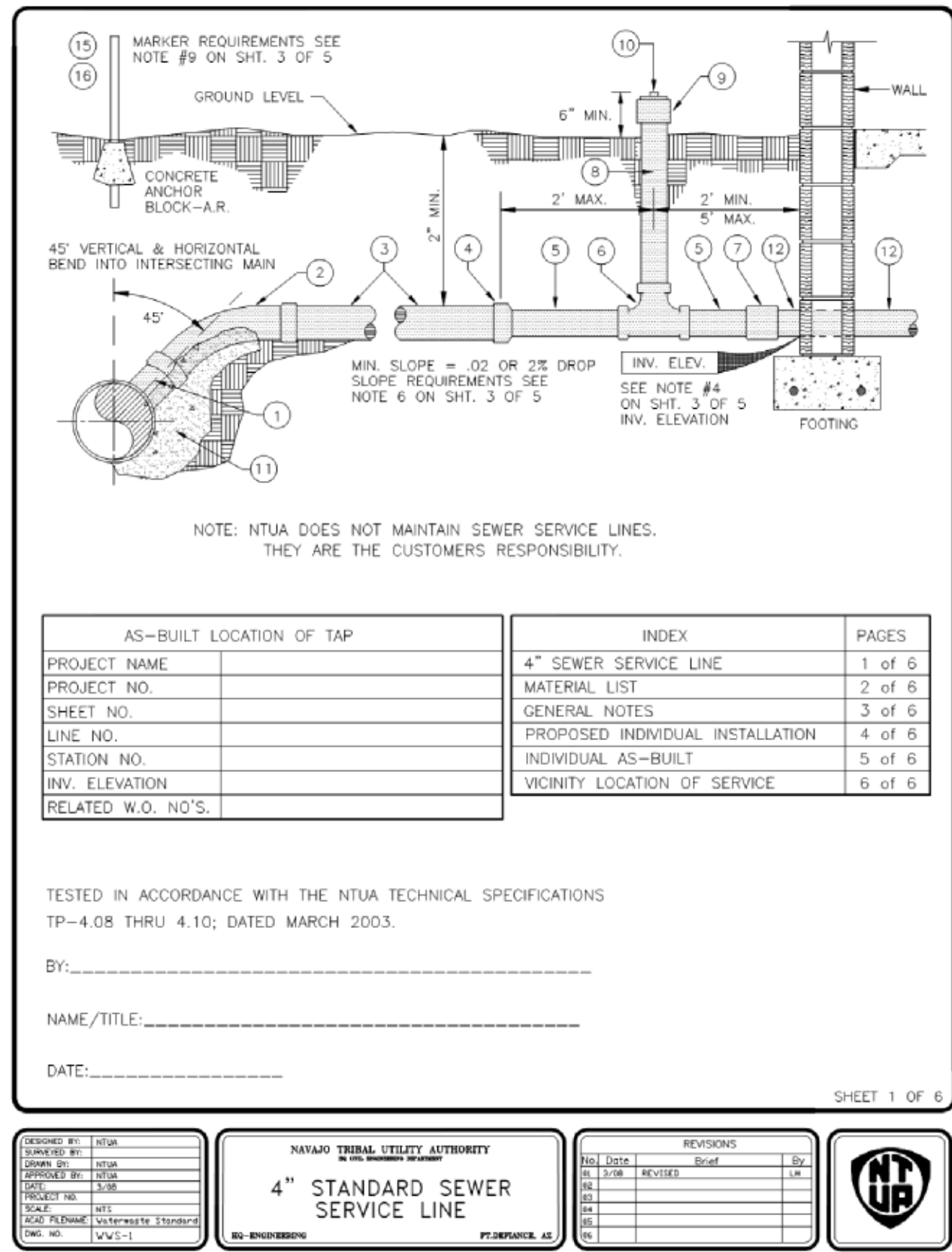
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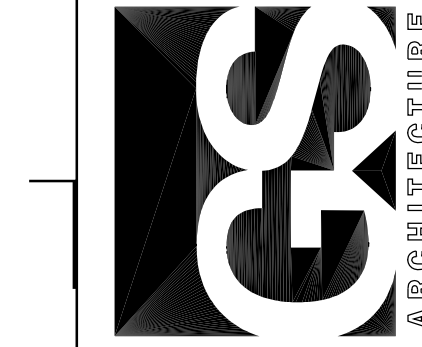
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NOTE:
1) PHASE I SCOPE OF WORK IS BASE BID.

MESA HEIGHTS TEACHERAGE SUBDIVISION
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SHIPROCK, NM

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(505) 881-0835 • FAX: (505) 881-0448
3005 NORTHIDGE DR. SUITE F
FARMINGTON, NM 87401-8085
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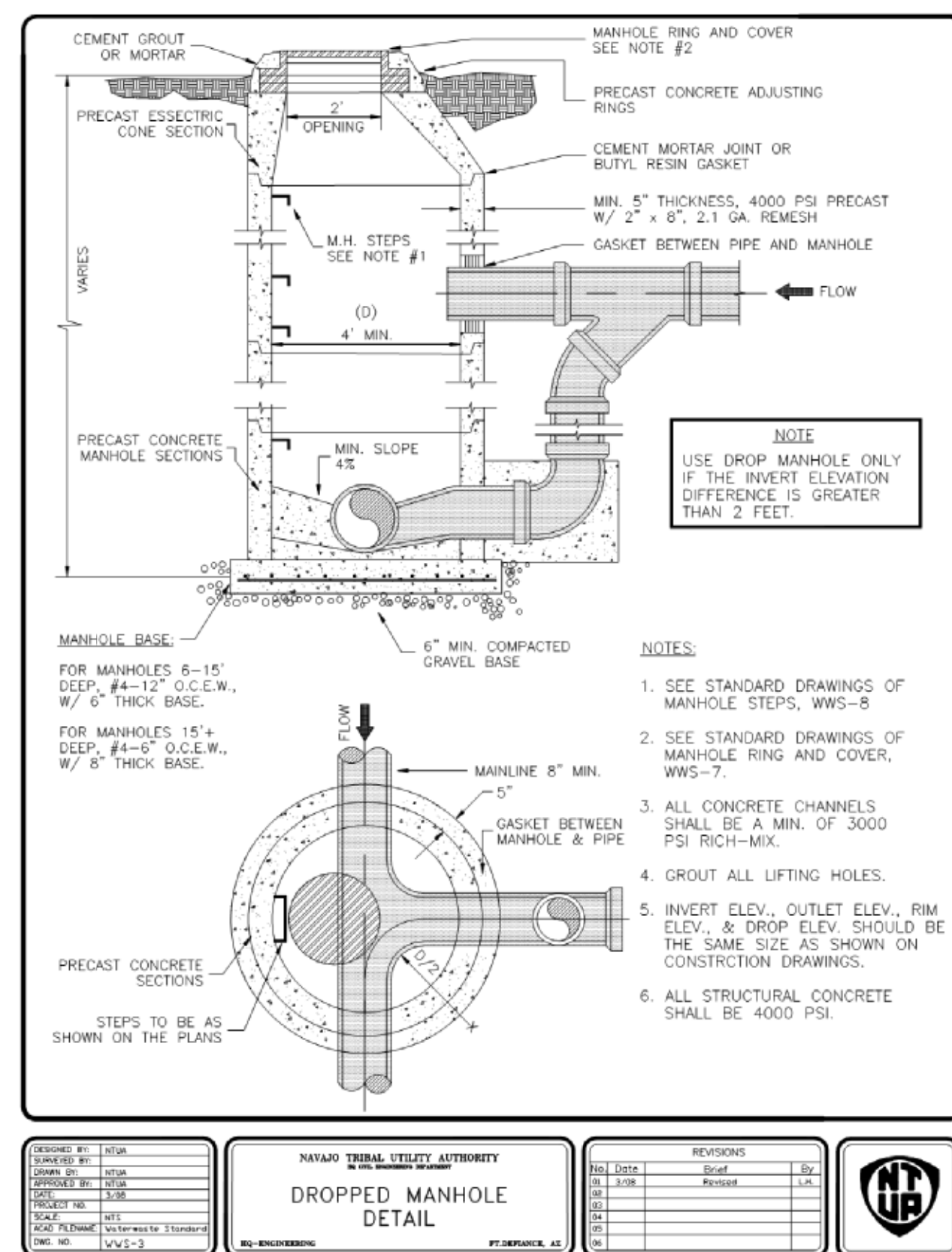
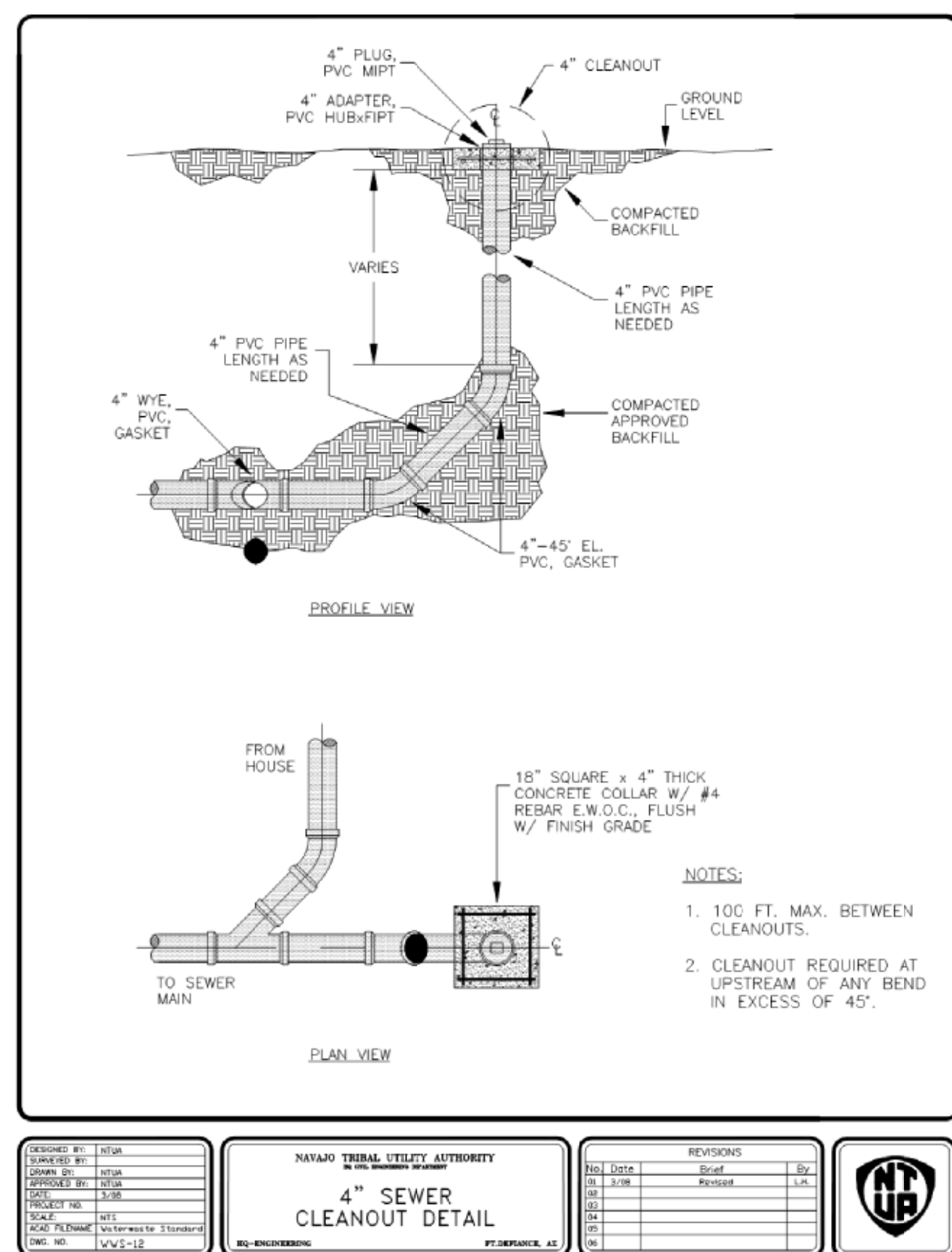
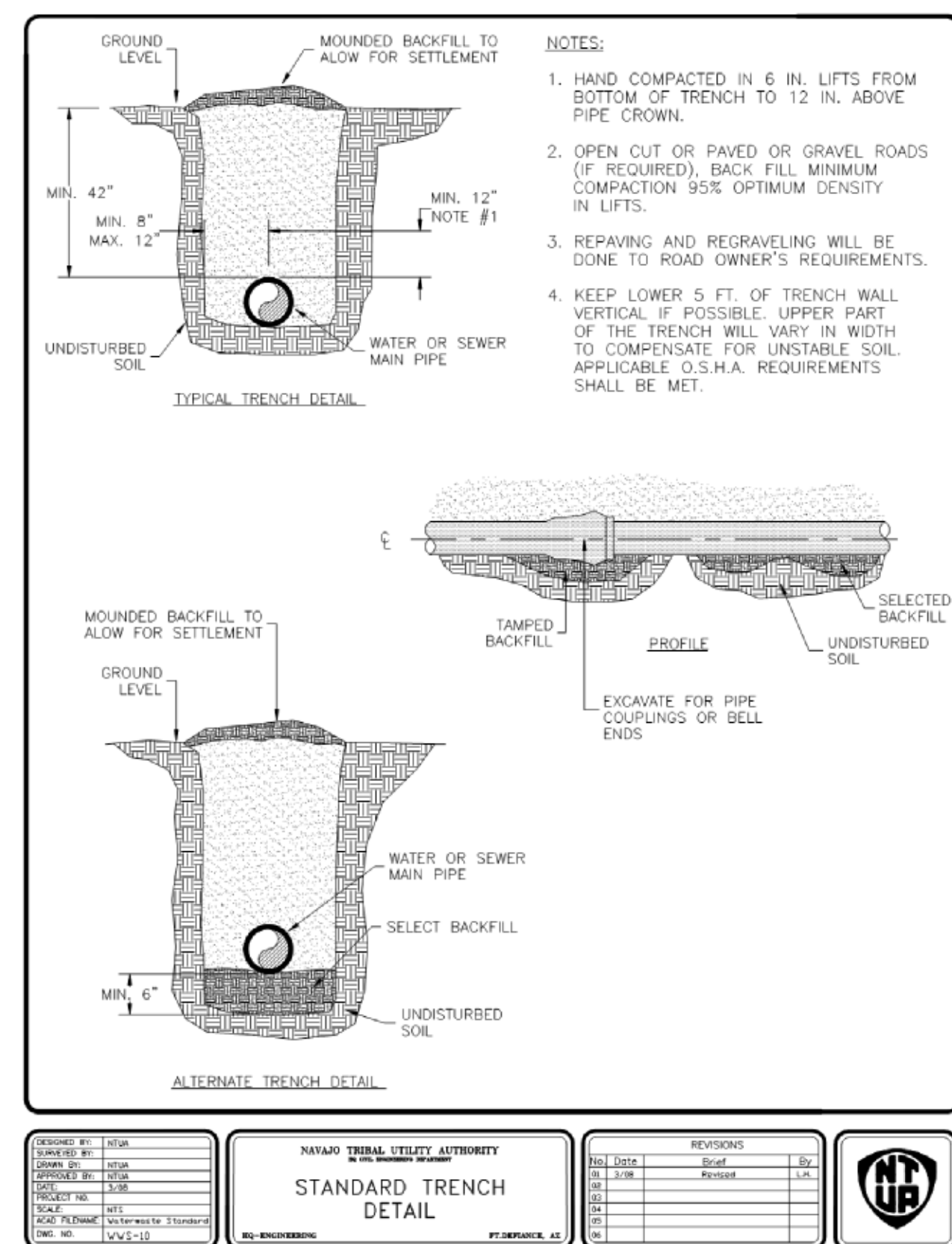
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PROJECT: 5417.02 (CWE 20160)
NO.:
DRAWN BY: HWS
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SHEET TITLE:
PROJECT CIVIL
DETAILS
BASE BID

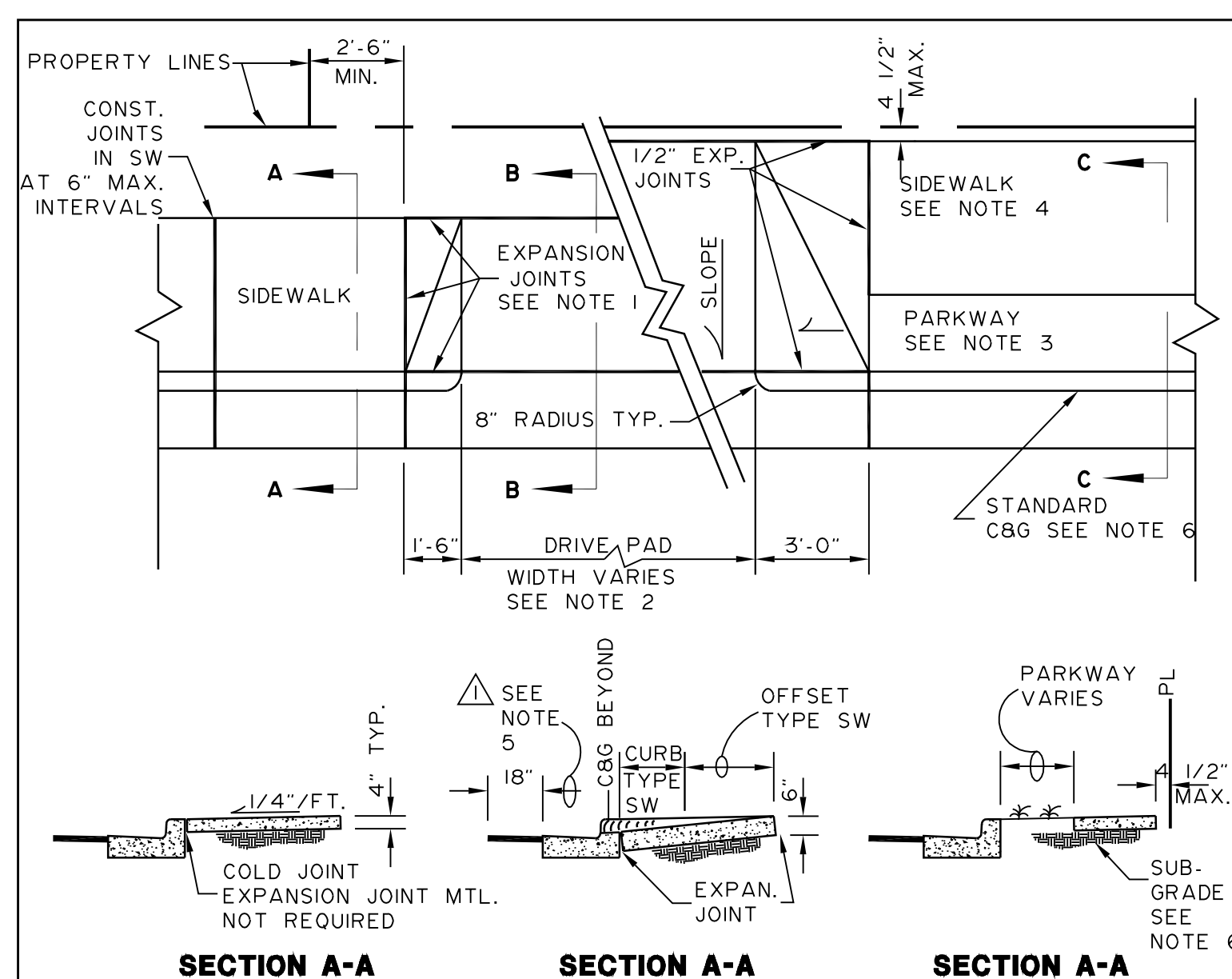
DRAWING SHEET
C107

ISSUE: NOVEMBER 05, 2020

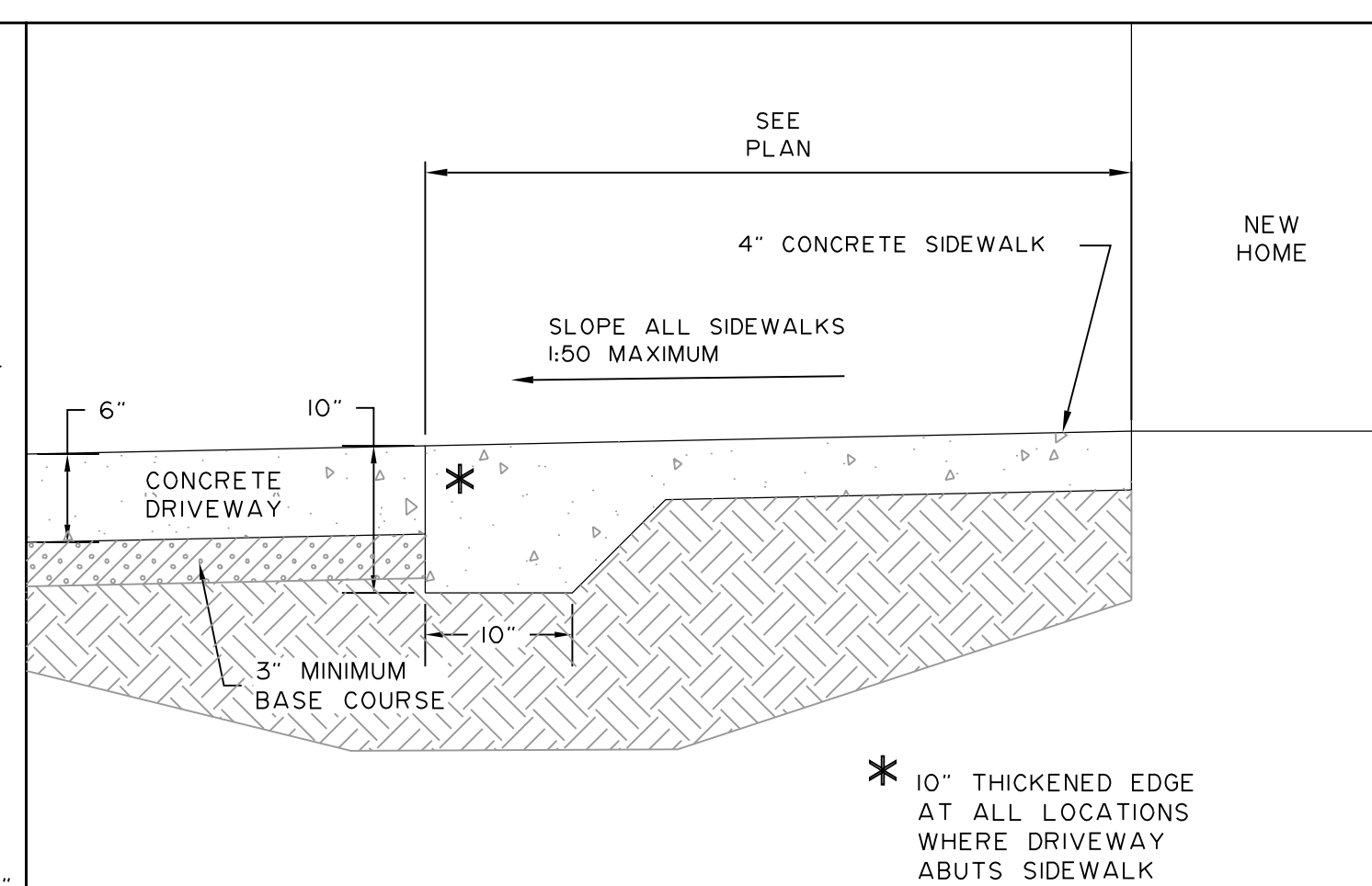


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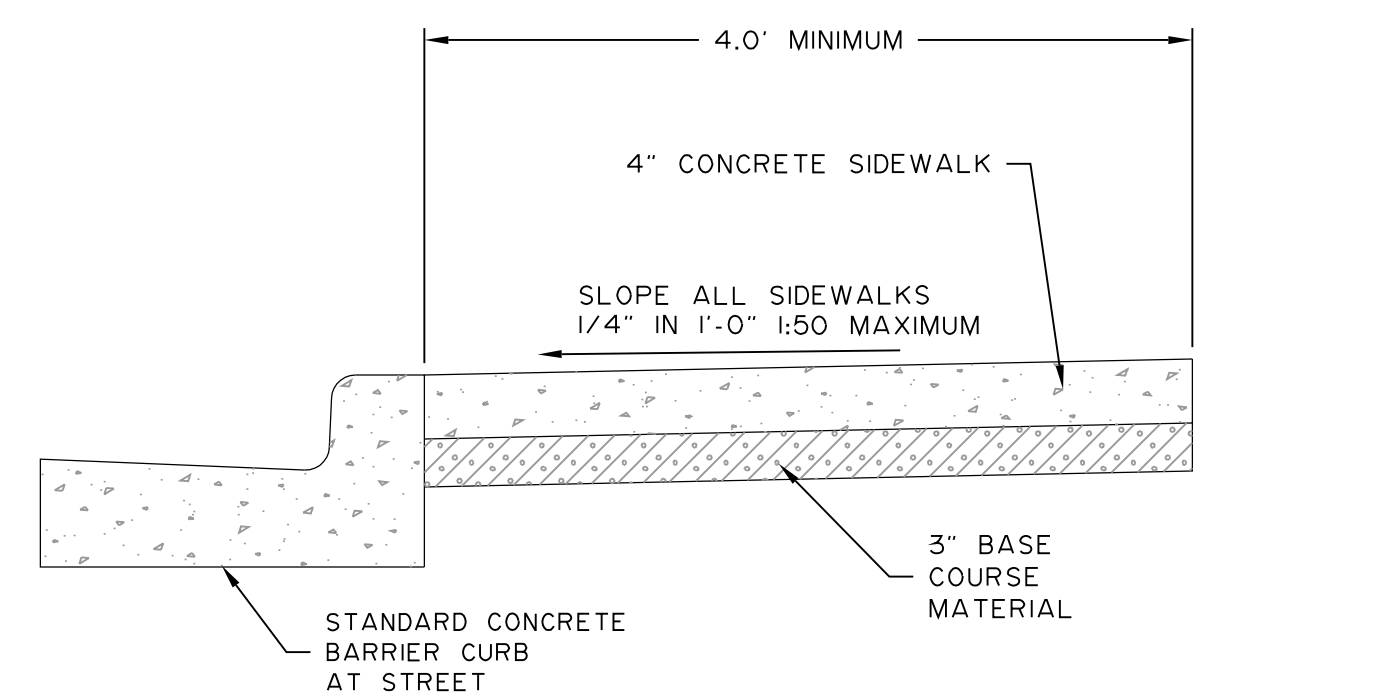
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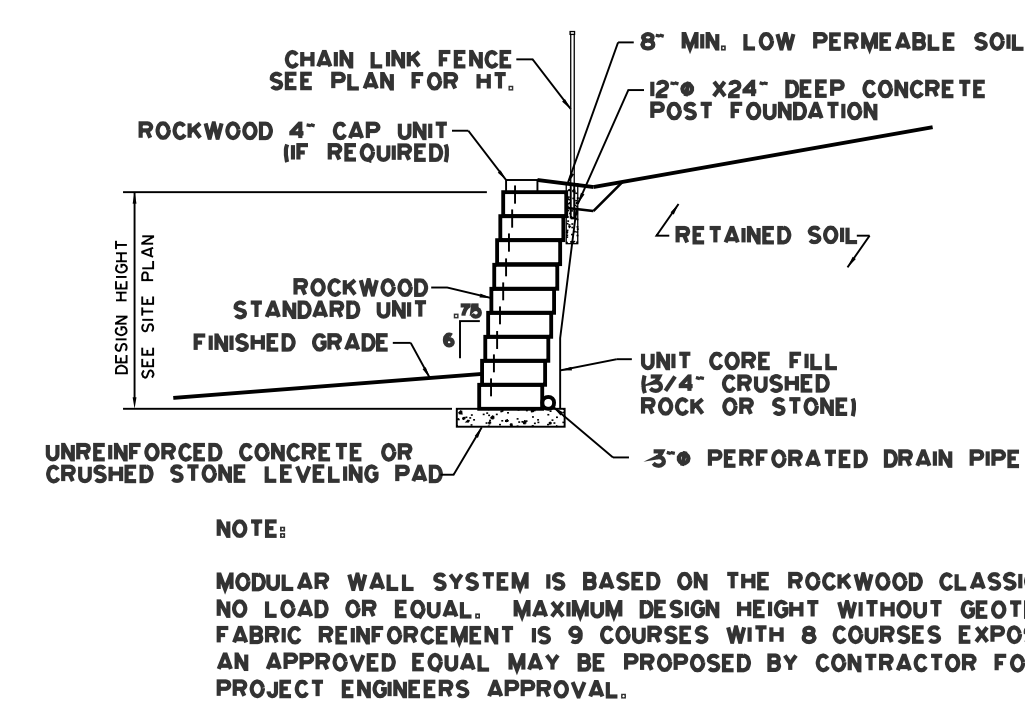
1 SIDEWALK AND DRIVEPAD DETAIL
CI08 SCALE: 1/4" = 1'-0"



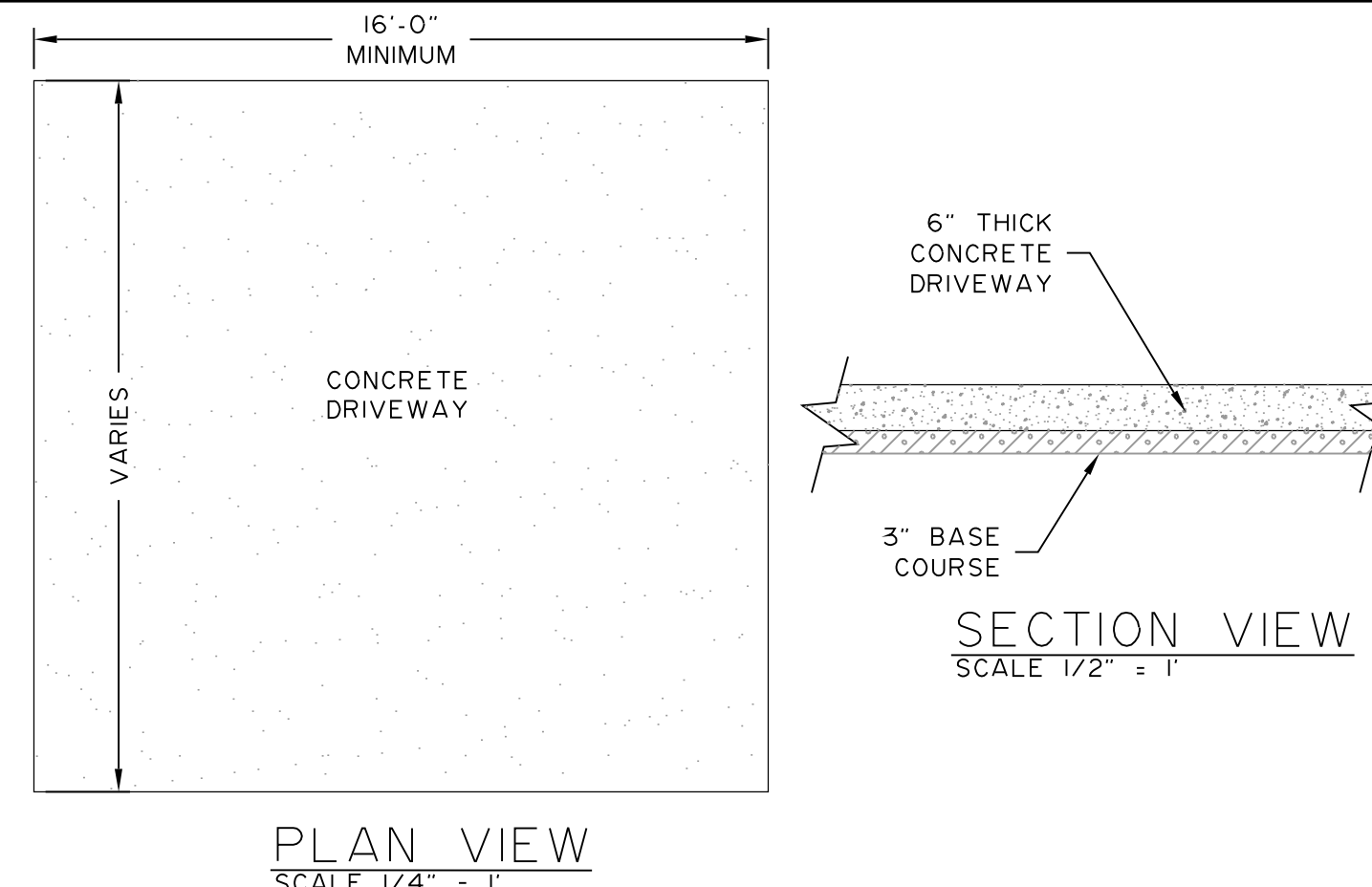
3 SIDEWALK NO REVEAL DETAIL
C108 SCALE: 1" = 1'-0"



4 CONCRETE SIDEWALK DETAIL
C108 SCALE: 1" = 1'-0"

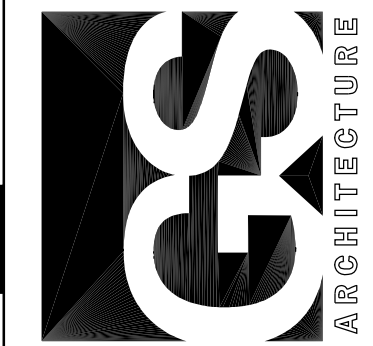


2 TYPICAL GRAVITY WALL SECTION
CLASSIC 6" UNIT - 3/4" MINIMUM SETBACK
C108 SCALE N.T.S.



5 TYPICAL CONCRETE DRIVEWAY DETAIL
C108 SCALE NOTED

GREEN STAFFORD & JEFF ARCHITECTURE, INC.
1777 LOUISIANA NE, SUITE 205
ALBUQUERQUE, NM 87110-7027
(505) 821-0235 • FAX: (505) 821-0348
3003 NORTHBRIDGE DR, SUITE F
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CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

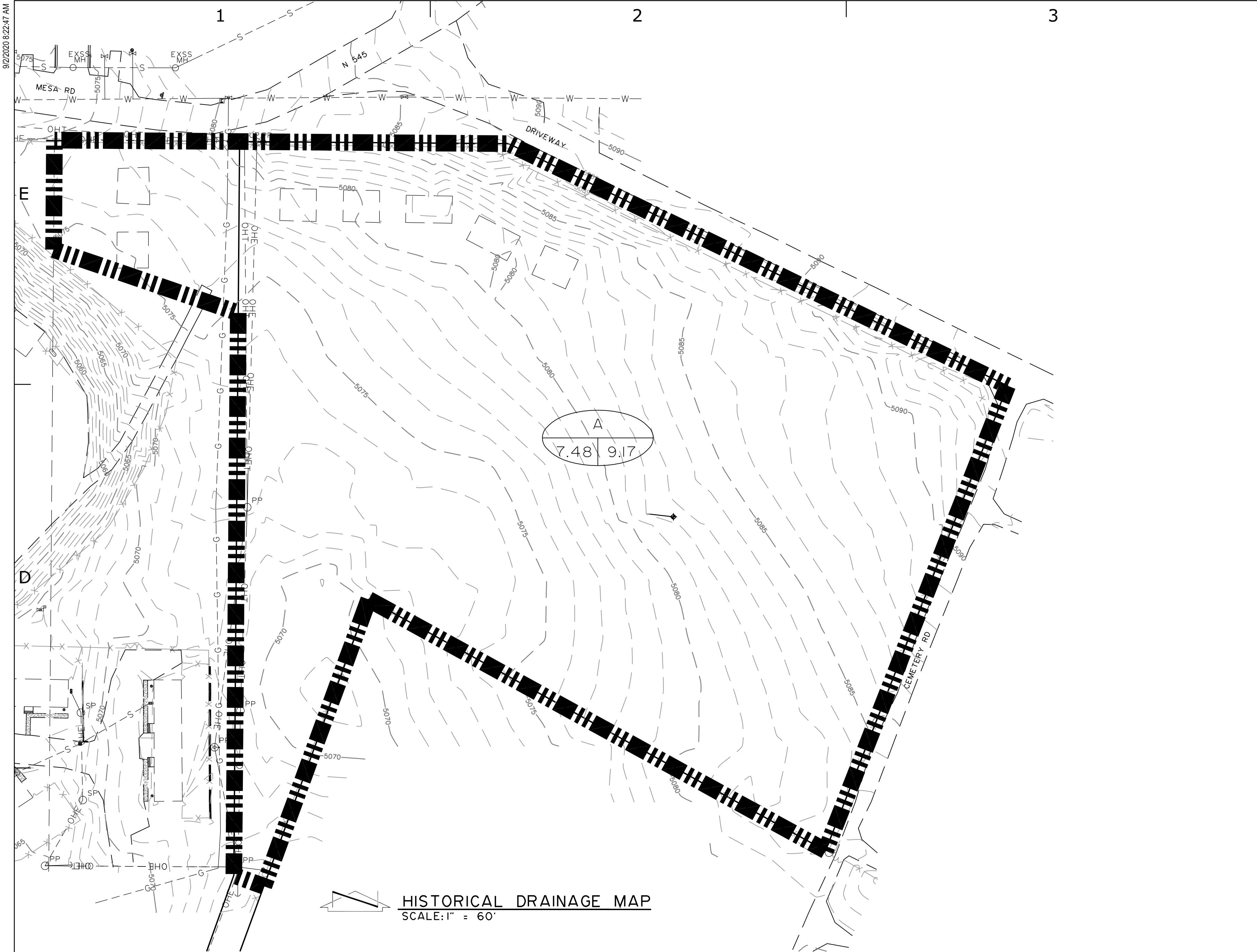
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PROJECT NO:	5417.02 (CWE 20160)
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SHEET TITLE	
PROJECT CIVIL	
DETAILS	
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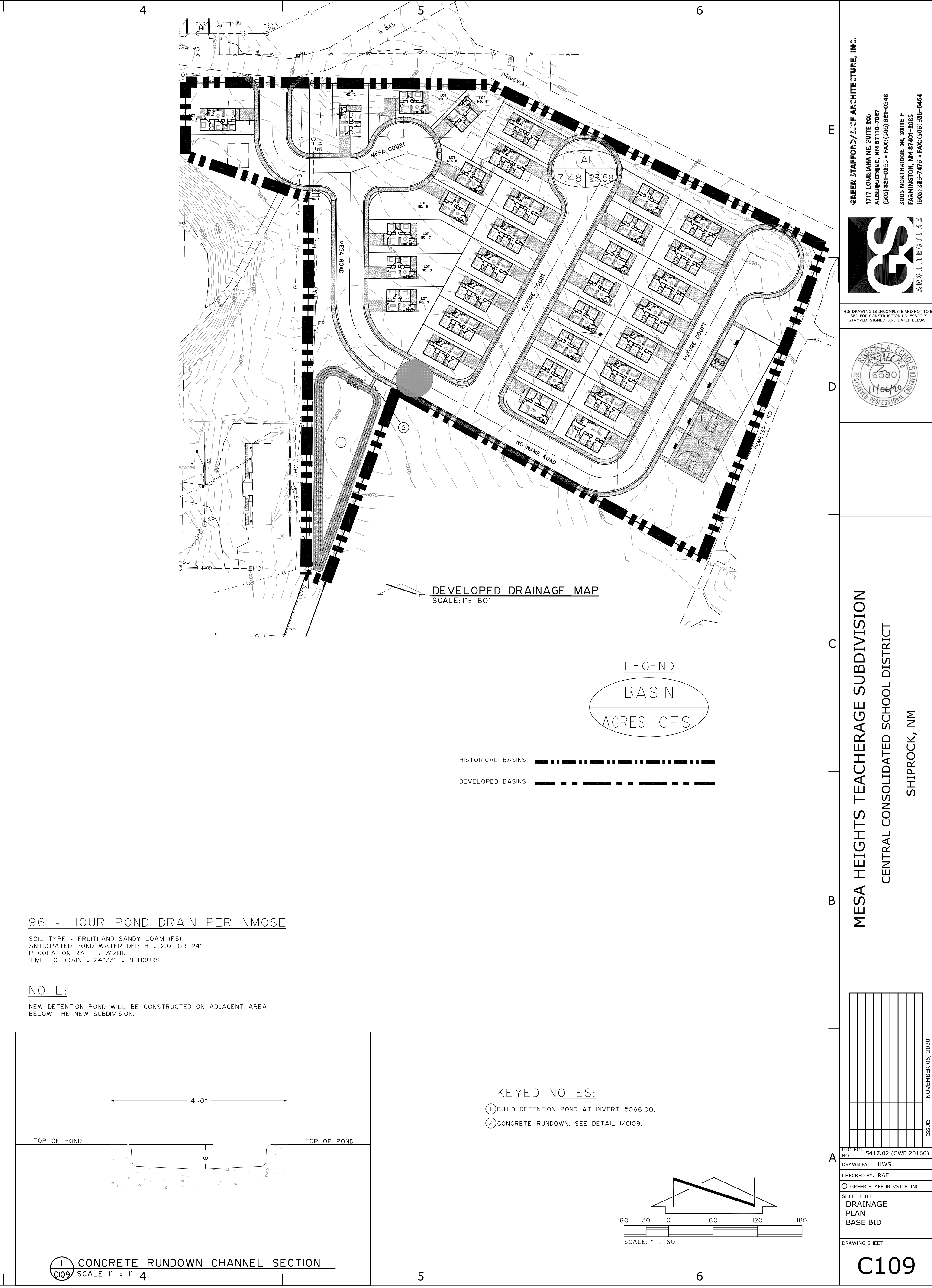
DRAWING SHEET

C108

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DRAINAGE CALCULATIONS											
MESA HEIGHTS SUBDIVISION											
CENTRAL CONSOLIDATED SCHOOL SCHOOLS DISTRICT 22											
File: 201600RN-090120											
9/1/20											
NMDOT DRAINAGE MANUAL JUNE 2007, 4th EDITION											
Soil Type: Fruitland Sandy Loam (Fs)											
HSG: C											
Area: 7.48 acres											
BASIN											
HISTORICAL											
Area (ac)											
7.48											
7.48											
BASIN											
HISTORICAL											
Area (ac)											
7.48											
7.48											
BASIN											
DEVELOPED											
Area (ac)											
7.48											
7.48											
BASIN											
DEVELOPED											
Area (ac)											
7.48											
7.48											
VOLUME DIFFERENCE BETWEEN HISTORICAL AND DEVELOPED											
25 yr 24 hr											
Volume (cf)											
37349.44											
PK RUNOFF DIFFERENCE BETWEEN HISTORICAL AND DEVELOPED											
25 yr 10 min											
Pk Runoff (cfs)											
14.41											
25 Yr Pond											
Volume (cf)											
37349.44											
Elevation											
Area											
Volume											
Cumulative											
Volume											
Pond											
INVERT = 5066											
Elevation											
Area											
Volume											
Cumulative											
Volume											
5066.00											
8194.6											
5067.00											
9779.8											
5068.00											
11497.3											
5069.00											
13293.7											
TOTAL POND VOLUME											
32,021											
TOP OF BERM 5069.0											
WORKING DEPTH 3.0'											
1.0' FREE BOARD TO OVER TOP											



GREEN STAFFORD / S I C F ARCHITECTURE, INC.

1717 LOUISIANA NE SUITE 105

ALBUQUERQUE, NM 87110-7027

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REGISTERED PROFESSIONAL

6530

11/04/10

MESA HEIGHTS TEACHERAGE SUBDIVISION

CENTRAL CONSOLIDATED SCHOOL DISTRICT

SHIPROCK, NM

PROJECT: 54117.02 (CWE 20160)

NO:

DRAWN BY: HWS

CHECKED BY: RAE

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SHEET TITLE

DRAINAGE

PLAN

BASE BID

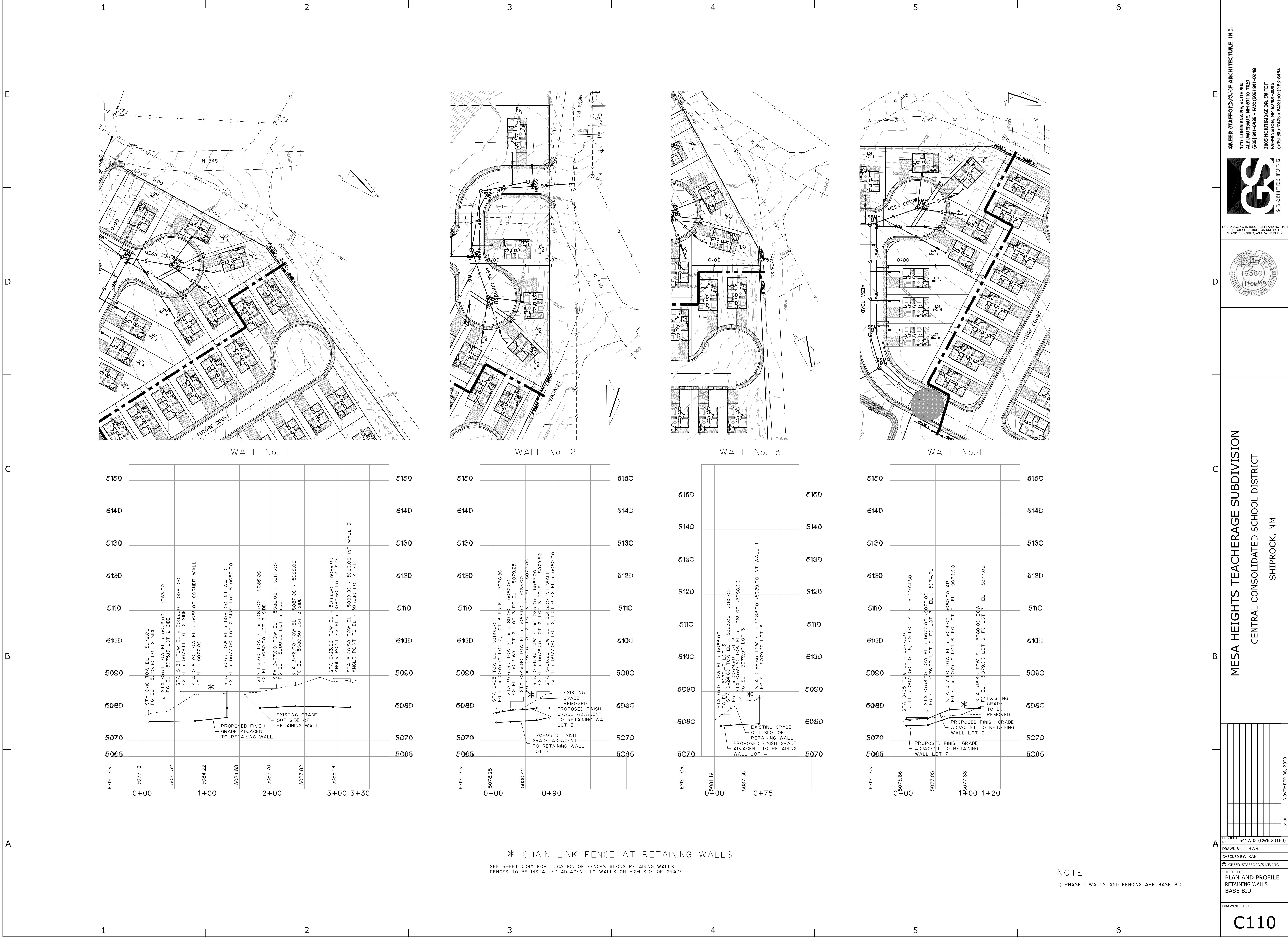
DRAWING SHEET

C109

NOVEMBER 05, 2020

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SHIPROCK, NM

PROJECT	5417.02 (CWE 20160)
NO.	
DRAWN BY:	HWS
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SHEET TITLE:	PLAN AND PROFILE
RETAINING WALLS	
BASE BID	
DRAWING SHEET	
C110	

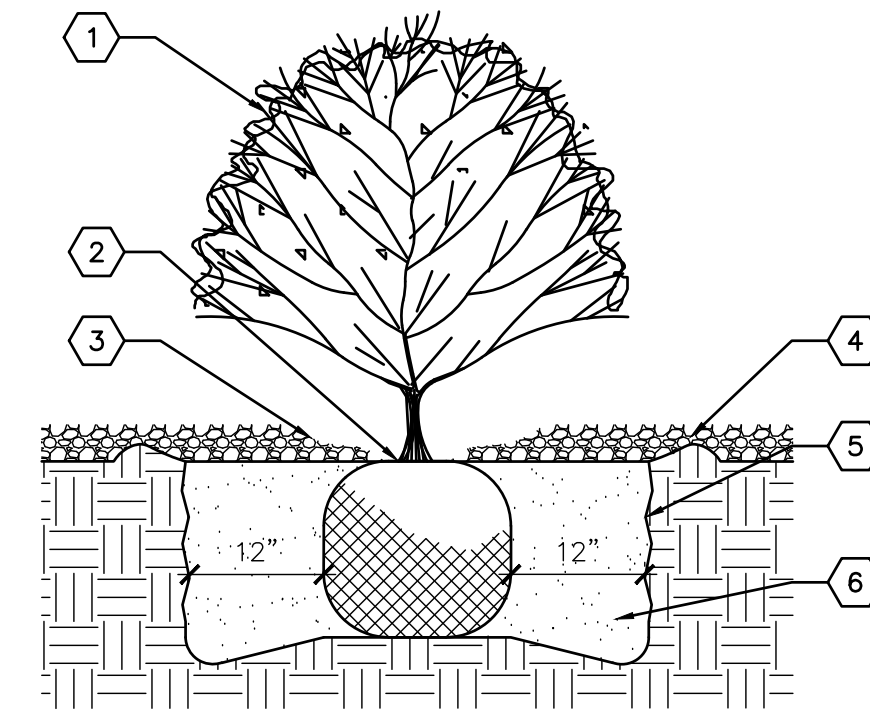
ISSUE:	NOVEMBER 06, 2020
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(A1) PLANTING PLAN
SCALE: 1"=20'-0"

PLANT LEGEND

KEY	COMMON NAME	BOTANICAL NAME	QTY	INSTALLED SIZE	REMARKS	MATURE SIZE
TREES						
MA	PURPLE ROSE LOCUST	ROBINIA PSEUDOACACIA 'PURPLE ROSE'	6	2" CAL., 10'-12' HT.	24" BOX	35' HT. X 25' SPD.
TE	TRIUMPH ELM	ULMUS 'MORTON GLOSSY'	8	2" CAL., 8'-10' HT.	24" BOX	50' HT. X 40' SPD.
SJ	SINGLESEED JUNIPER	JUNIPERUS MONOSPERMA	2	2" CAL., 10'-12' HT.	24" BOX	35' HT. X 30' SPD.
AP	ROCKY MOUNTAIN JUNIPER	JUNIPERUS SCOPULORUM	2	4'-6" HT.	15 GALLON	25' HT. X 20' SPD.
SHRUBS/GROUNDCOVERS/GRASSES/PERENNIALS						
CH	CHAMISA	ERICAMERIA NAUSEOSA	3	MIN. 18" HT.	5 GALLON	6' HT. X 6' SPD.
RS	RUSSIAN SAGE	PEROVSKIA ATRIPLICIFOLIA	4	MIN. 12" HT.	5 GALLON	5' HT. X 5' SPD.
APL	APACHE PLUME	FALLUGIA PARADOXA	2	MIN. 18" HT.	5 GALLON	5' HT. X 5' SPD.

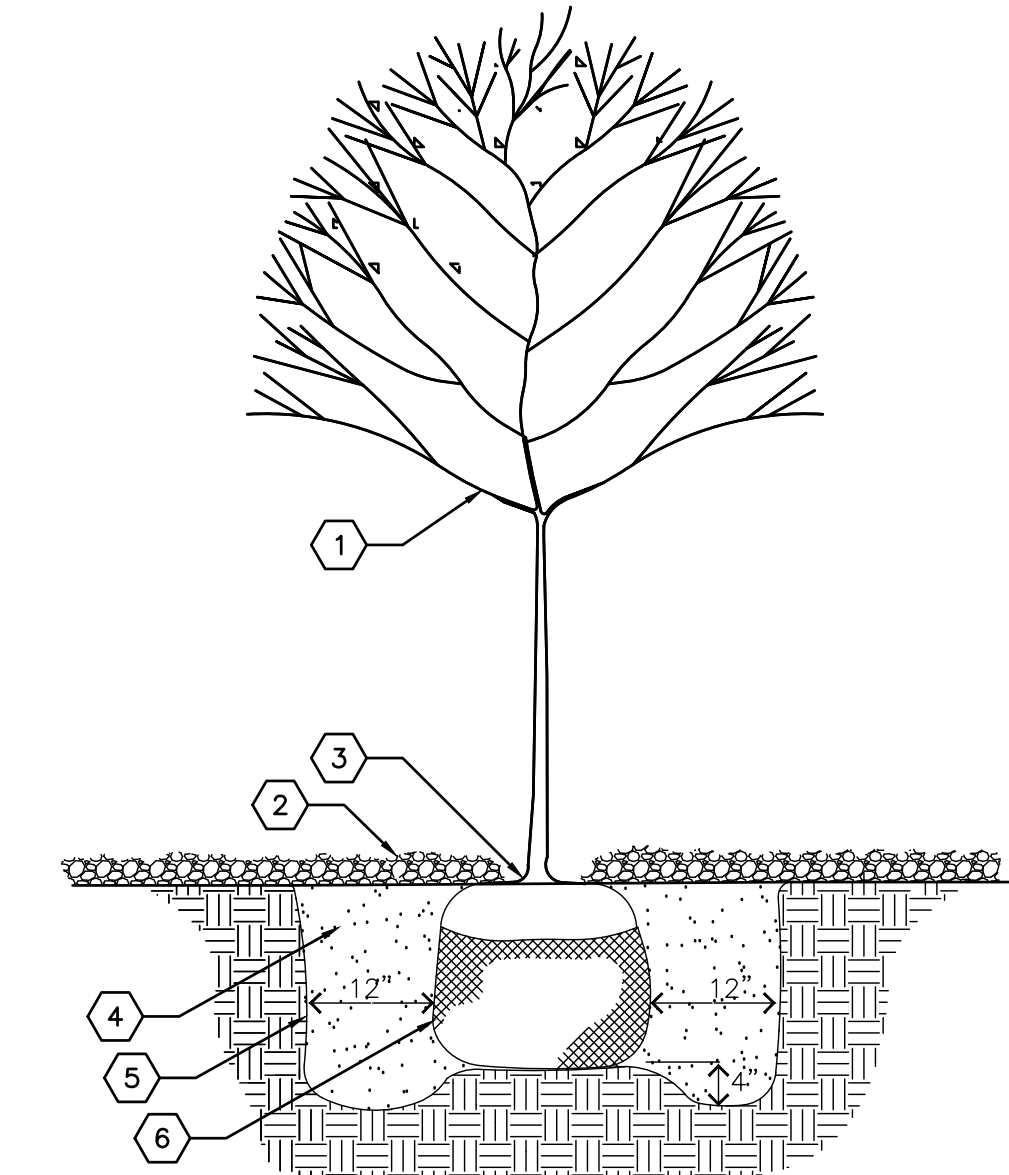


KEYED NOTES

1. SHRUB LOCATION AND SPECIES AS PER PLAN.
2. PLANT AT SAME DEPTH MAINTAINED AT NURSERY.
3. FEATHER MULCH TO A 2" DEPTH ON TOP OF ROOT BALL AND HOLD BACK 2" FROM SHRUB STEM(S).
4. 3" DEPTH MULCH THROUGHOUT SHRUB BED UNLESS OTHERWISE NOTED.
5. SCARIFY EDGE OF PLANTING HOLE, CONTINUOUS ALL SIDES.
6. BACKFILL AND SOIL AMENDMENTS (SEE SPECIFICATIONS).

(D5) SHRUB PLANTING

SCALE: N.T.S.



KEYED NOTES

1. TREE LOCATION AND SPECIES PER PLAN
2. GRAVEL MULCH, WHEN PRESENT - SEE PLAN. MULCH SHALL BE FEATHERED TO A 2" DEPTH ON TOP OF ROOT BALL AND SHALL BE HELD BACK 2" FROM TREE TRUNK.
3. REMOVE EXISTING SOIL (FROM NURSERY) AS NEEDED TO EXPOSE ROOT FLARE. INSTALL WITH ROOT FLARE FLUSH WITH SUB-GRADE (BOTTOM OF MULCH).
4. BACKFILL AND SOIL AMENDMENTS (SEE SPECIFICATIONS). THOROUGHLY MIX BACKFILL AND AMENDMENTS PRIOR TO INSTALLATION.
5. SCARIFY EDGE OF PLANTING HOLE, CONTINUOUS ALL SIDES.
6. REMOVE WIRE BASKET, WOOD BOX, PLASTIC TUNNE, AND/OR ROPE PRIOR TO BACKFILL. REMOVE BURLAP EXCEPT FROM BOTTOM OF ROOT BALL.

(C5) TREE PLANTING DETAIL

SCALE: N.T.S.

PLANTING NOTES

- IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LEGEND AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
- GRAVEL MULCH SHALL BE 3/4" SUBANGULAR WARM-TONE, AS LOCALLY AVAILABLE, INSTALLED AT A 3" DEPTH OVER FILTER FABRIC. CONTRACTOR SHALL SUBMIT MATERIALS FOR APPROVAL.
- FILTER FABRIC SHALL BE MIN. 4 OZ. NON-WOVEN NEEDLE-PUNCHED POLYPROPYLENE (MIRAFI OR EQUIVALENT), OVERLAP ENDS 3" AND TURN DOWN EDGES 6".
- THE TOP OF MULCH SHALL BE 1" BELOW TOP OF ADJACENT CONCRETE SURFACES.
- CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES AS DIRECTED BY LANDSCAPE ARCHITECT IN THE FIELD.
- TREES SHALL BE INSTALLED PER DETAIL C5/LP101.
- SHRUBS SHALL BE INSTALLED PER DETAIL D5/LP101.
- IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND HEIGHT & SPREAD CALLED OUT UNDER "SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER.
- ALL PHASE I LANDSCAPE IMPROVEMENTS SHOWN ON THIS SHEET SHALL BE INCLUDED IN THE BASE BID.
- COBBLE MULCH SHALL BE 2"-4" SUBANGULAR GRAY OR WARM-TONE, AS LOCALLY AVAILABLE, INSTALLED AT 6" DEPTH OVER FILTER FABRIC. CONTRACTOR SHALL SUBMIT MATERIALS FOR APPROVAL.

PLANTING PLAN KEYED NOTES

1. GRAVEL MULCH - SEE PLANTING NOTE B.
2. CONSTRUCT 2'X3' COBBLE SPLASH PAD AT DOWNSPOUT. SEE PLANTING NOTE J.
3. CONTRACTOR SHALL PROVIDE 6" DEEP SWALE AND BASIN FROM DOWNSPOUT TO BASE OF TREE AND SHRUB TO DIRECT ROOF DRAINAGE TO PLANTINGS.
4. NATURAL EDGE BETWEEN MATERIALS - NO EDGING.

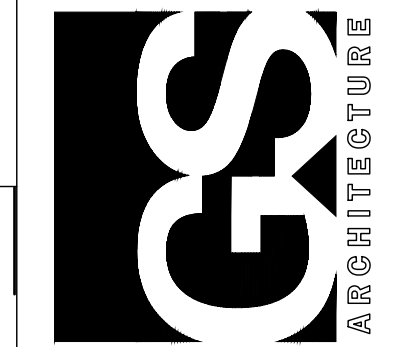
HATCH LEGEND

GRAVEL MULCH - 3/4" CRUSHED GRAVEL AT 3" DEPTH OVER FILTER FABRIC.

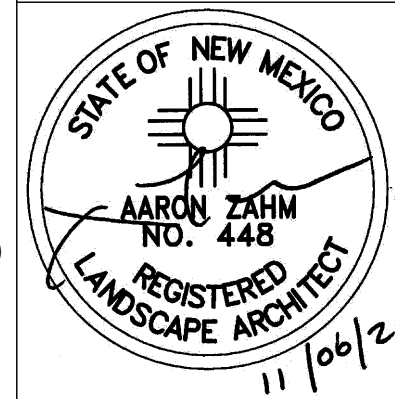


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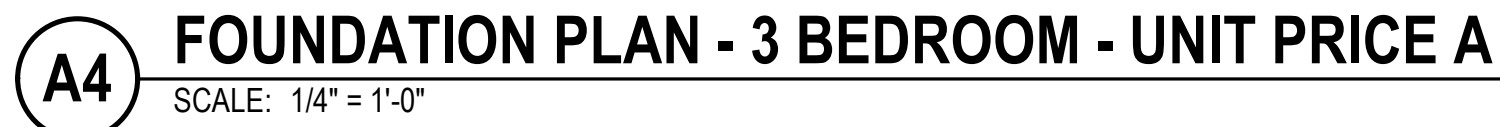
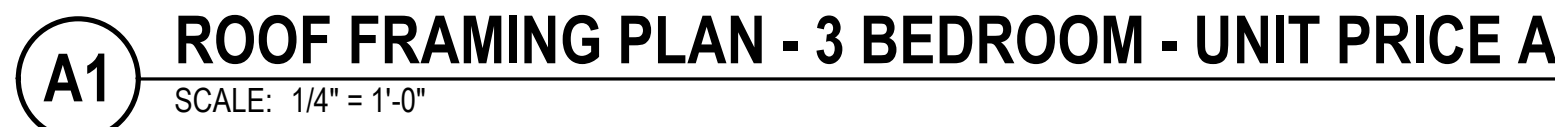
MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE 1
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

PROJECT NO:	20047
DRAWN BY:	KA
CHECKED BY:	AZ
DATE:	
ISSUE:	NOVEMBER 6, 2020

PROJECT NO: 20047
DRAWN BY: KA
CHECKED BY: AZ
DATE:
ISSUE: NOVEMBER 6, 2020
SHEET TITLE
LANDSCAPE PLAN - BASE BID

DRAWING SHEET

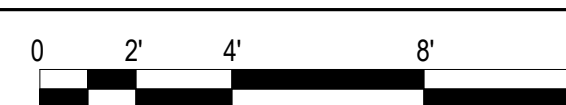
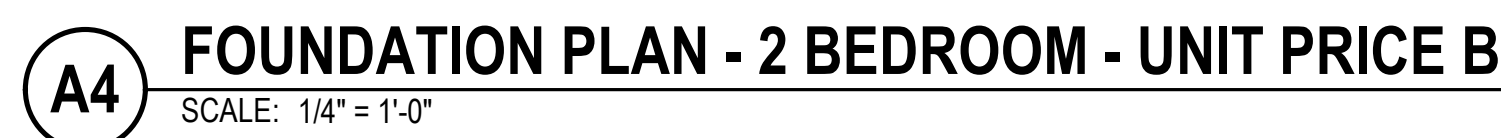
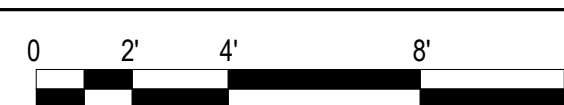
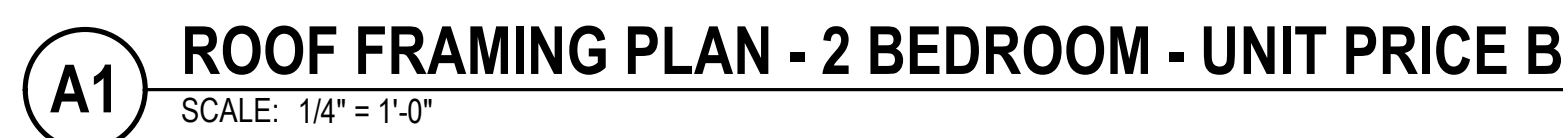
LP101



- SHIPROCK, NM

DRAWING SHEET

S101



 SHEET KEYNOTE

1. 2 - #4x2 - 0" CENTERED IN SLAB.
2. 6" CONCRETE HOUSEKEEPING PAD REINFORCED WITH #4 @ 12" ON CENTER EACH WAY. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C1 / S301
3. MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
4. EXTENT OF SHEARWALL SW1. SEE A5 / S602, B5 / S602 AND C5 / S602
5. EXTENT OF SHEARWALL SW2. SEE A5 / S602, B5 / S602 AND C5 / S602
6. EXTENT OF SHEARWALL SW3. SEE A5 / S602, B5 / S602 AND C5 / S602
7. INSTALL VENTILATION HOLES THRU PERIMETER BLOCKING, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
8. INSTALL VENTILATION HOLES THRU ROOF DECK, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE 1

CENTRAL CONSOLIDATED SCHOOL DISTRICT

SHIPROCK, NM

[illegible]

PROJECT NO: 5417.02
OWN BY: J ANDERSON
CHECKED BY: C ROMERO
PREPARED BY: REE-STAFFORD/SJCF, INC.
UNIT TITLE
BEDROOM UNITS
PLANS
UNIT PRICE B

WORKING SHEET

S102

77717 LOUISIANA NE, SUITE 205
ALBUQUERQUE, NM 87110-7027
(505) 821-0235 ■ FAX: (505) 821-0348

3005 NORTHBRIDGE DR, SUITE F
FARMINGTON, NM 87401-2085
(505) 325-7475 ■ FAX: (505) 325-6464



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- ## SHEET KEYNOTE

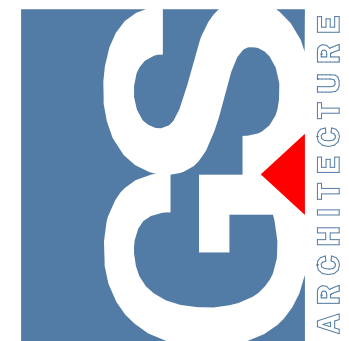
2. 2- #4x3'- 0" CENTERED IN SLAB.
3. 2" 6" CONCRETE HOUSEKEEPING PAD REINFORCED WITH #4 @ 12" ON CENTER EACH WAY. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C1 / S301
4. MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
4. EXTENT OF SHEARWALL SW1. SEE A5 / S602, B5 / S602 AND C5 / S602
5. EXTENT OF SHEARWALL SW2. SEE A5 / S602, B5 / S602 AND C5 / S602
6. EXTENT OF SHEARWALL SW3. SEE A5 / S602, B5 / S602 AND C5 / S602
7. INSTALL VENTILATION HOLES THRU PERIMETER BLOCKING, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
8. INSTALL VENTILATION HOLES THRU ROOF DECK, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

[illegible]

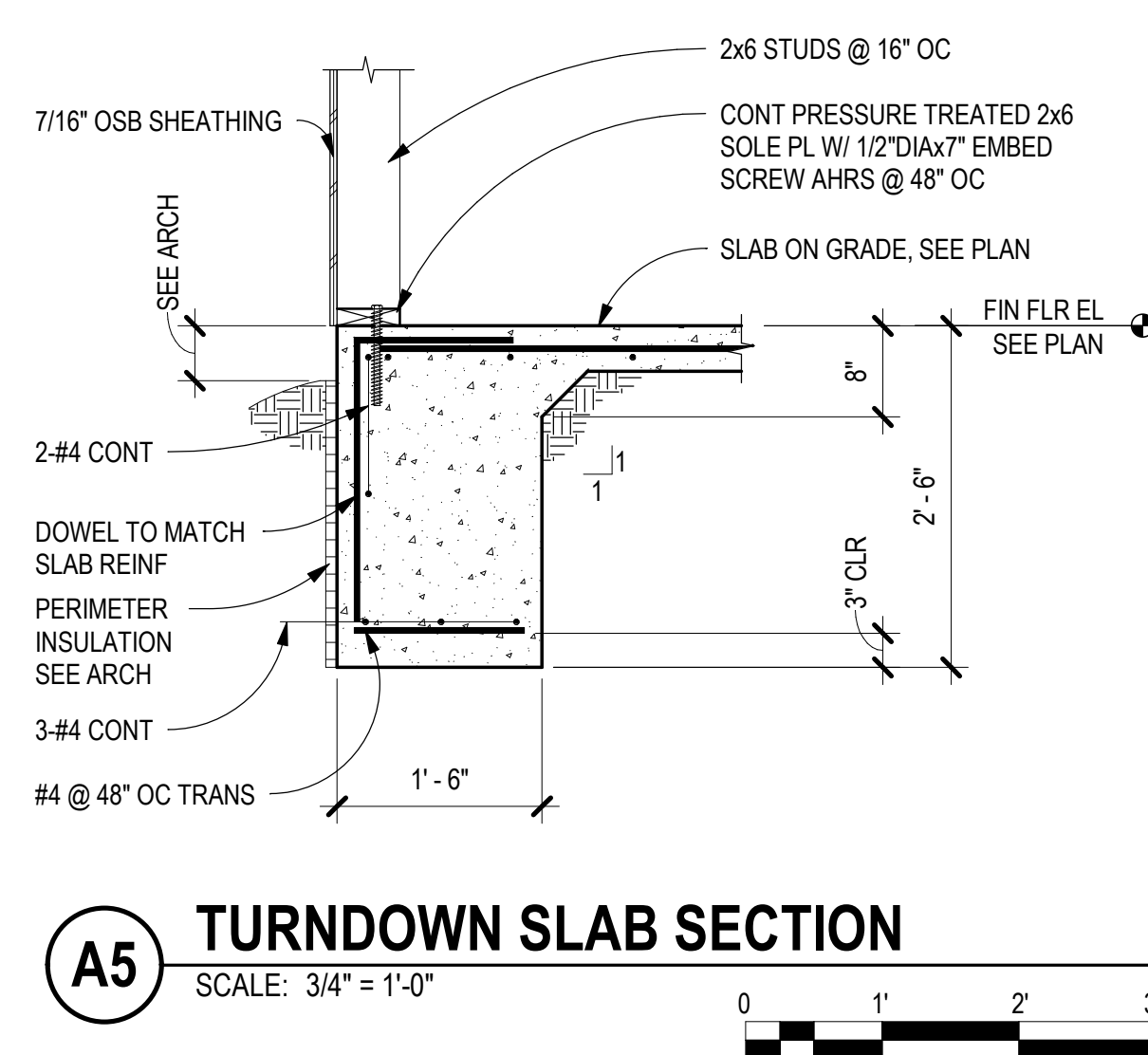
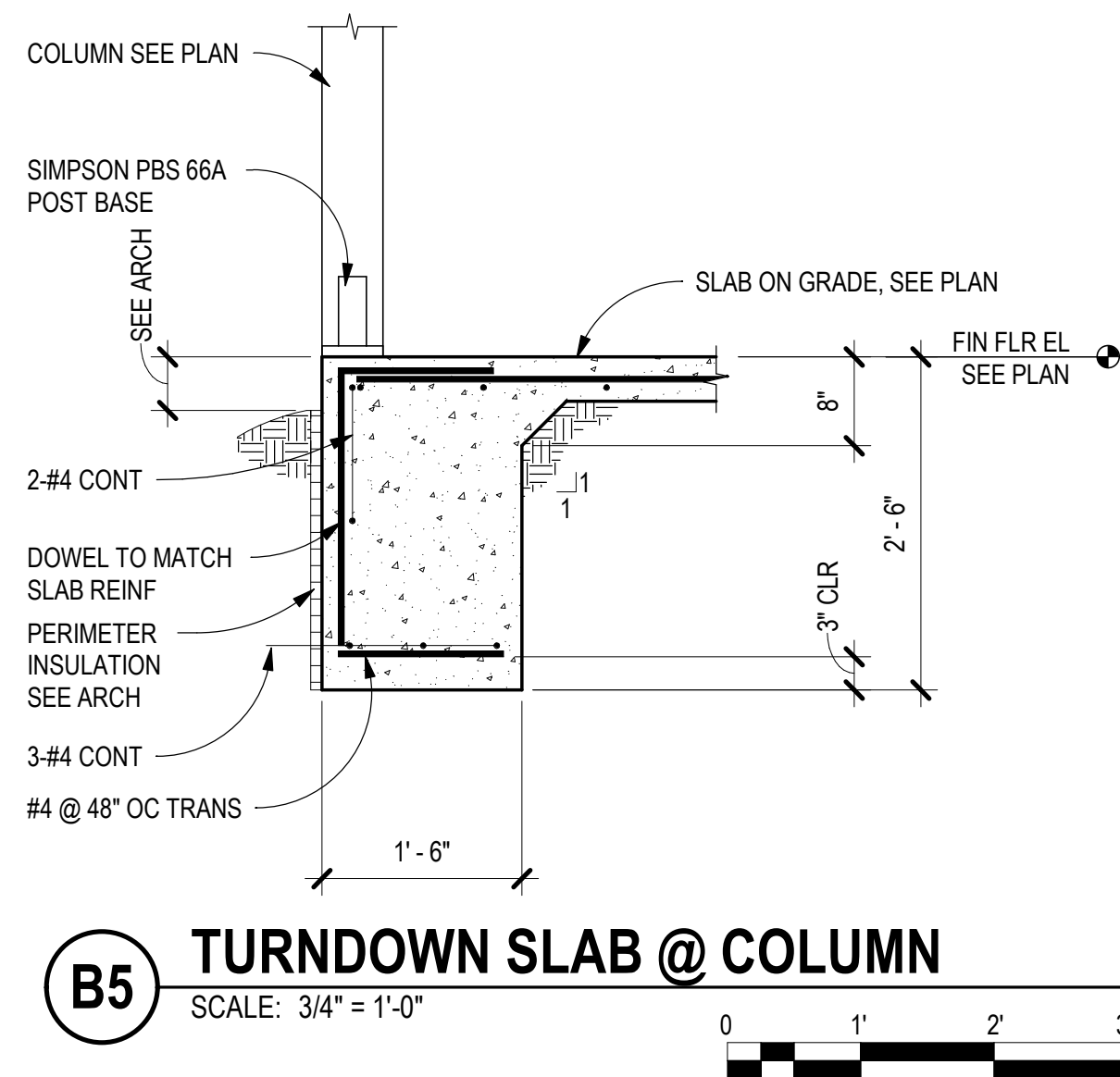
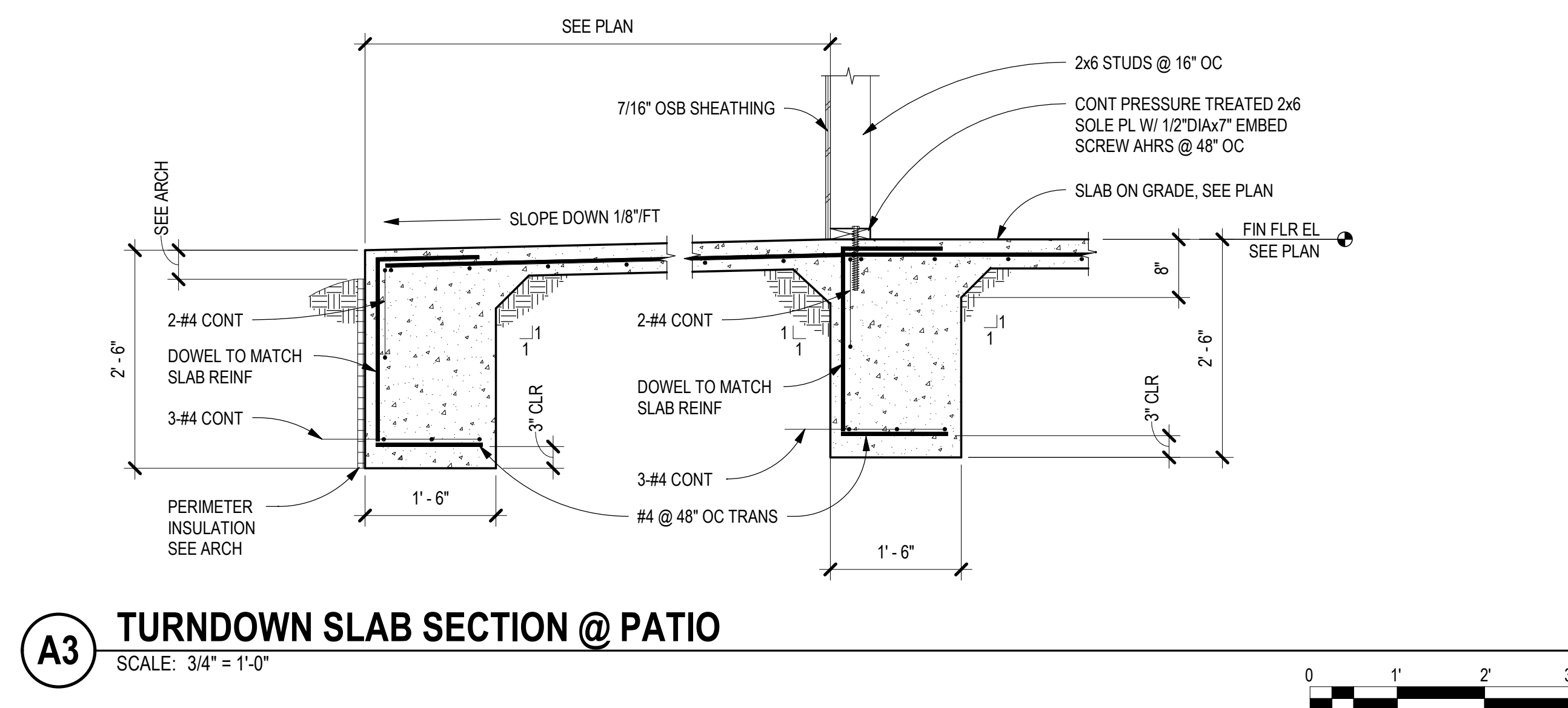
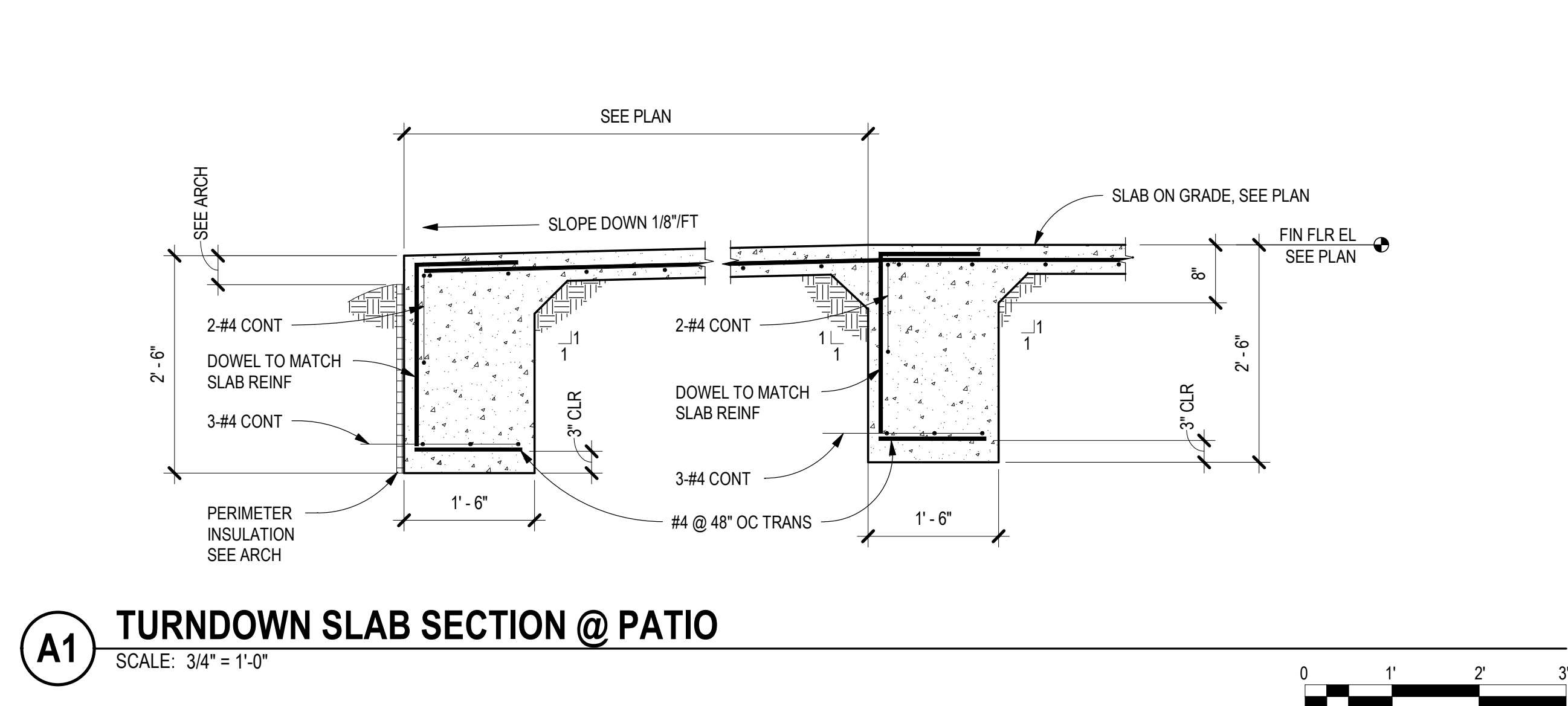
PROJECT NO: 5417.02
DRAWN BY: J ANDERSON
CHECKED BY: C ROMERO
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SHEET TITLE
2 BEDROOM UNITS
(MIRRORED) PLANS
UNIT PRICE C

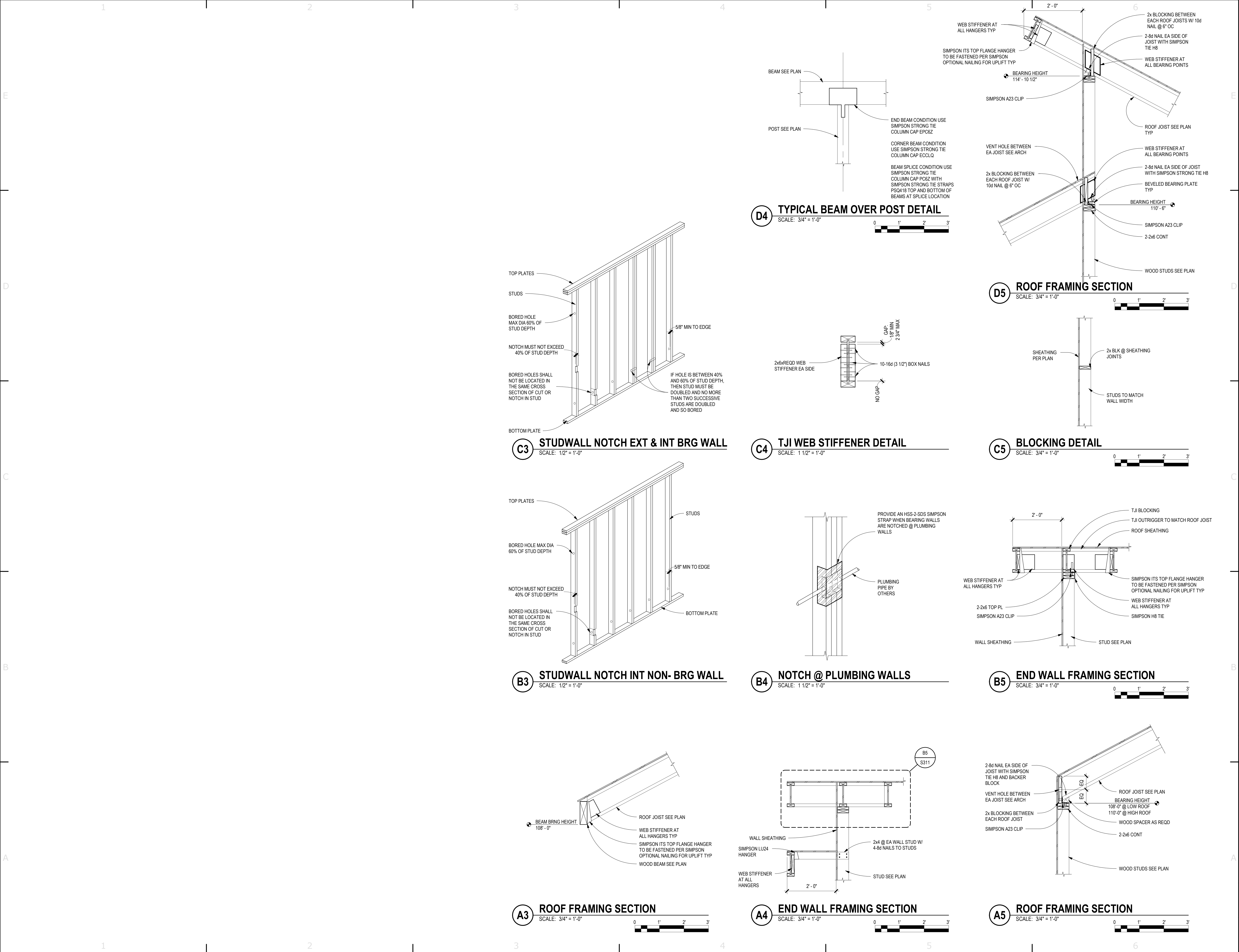
S103



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ARCHITECTURE

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CG
Chavez-Grievies
consulting engineers, inc.
4700 Union Road NE, Suite 102, Albuquerque, NM 87110
(505) 344-4080 • (505) 343-8755 (fax)

CHAVEZ S. ROMERO
NEW MEXICO
16043
PROFESSIONAL
11.05.2020

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

Mark	Date	Description
	NOVEMBER 06, 2020	

PROJECT NO: 5417.02
DRAWN BY: J ANDERSON
CHECKED BY: C ROMERO
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SHEET TITLE: FRAMING SECTIONS AND DETAILS
DRAWING SHEET

S311

TO WALL EL
SEE ARCH

SCHED STUDS
AT BRG

C2
S601

DOUBLE GLAZING

SCHED FULL
HEIGHT STUDS

FIN FLR EL
SEE PLAN

CONT BOTTOM PLATE

WD STUDS
SEE PLAN

SEE SCHED FOR
LINTEL SIZE

CONT WD STUD TO
MATCH WALL STUD
SIZE

1/2" SHEATHING
AS REQD AT
INTERIOR WALLS

RIGID INSULATION AT EXTERIOR
WALLS SEE ARCH

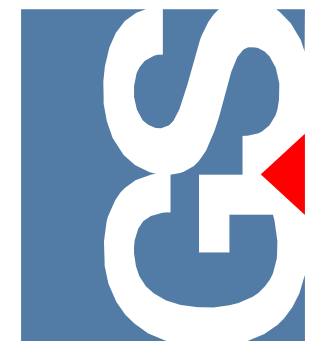
CONT 2xWD STUD
TO MATCH WALL
STUD SIZE

WD STUDS
SEE PLAN

Technical drawing showing a cross-section of a window and door assembly. The drawing includes labels for structural components and load paths:

- Window Assembly (Top):**
 - Top frame: 2-2x6 BRG STUDS
 - Window unit: 3-2x6
 - Bottom frame: 2-2x6
 - Label: S601
- Door Assembly (Bottom):**
 - Top frame: 2-2x6
 - Door unit: 3-2x8
 - Bottom frame: 2-2x6
 - Label: S601
 - Label: 2-2x6 BRG STUDS
- Vertical Supports:**
 - Left side: 2-2x6
 - Right side: 2-2x6
- Foundation:** Indicated by a hatched area at the bottom.

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11.05.2020

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

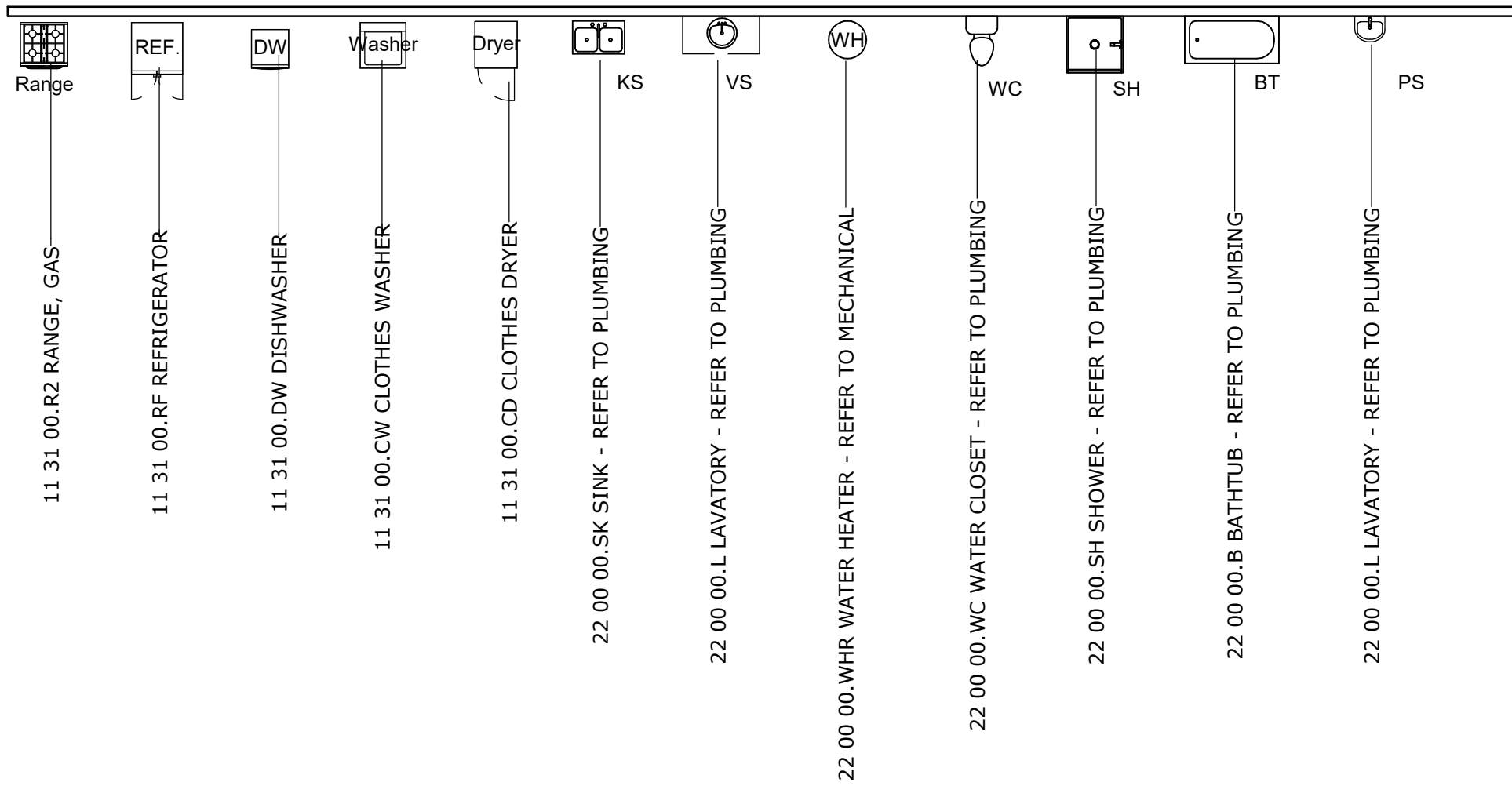
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SHEET TITLE SCHEDULES

DRAWING SHEET

S601

SPECIALITY EQUIPMENT LEGEND



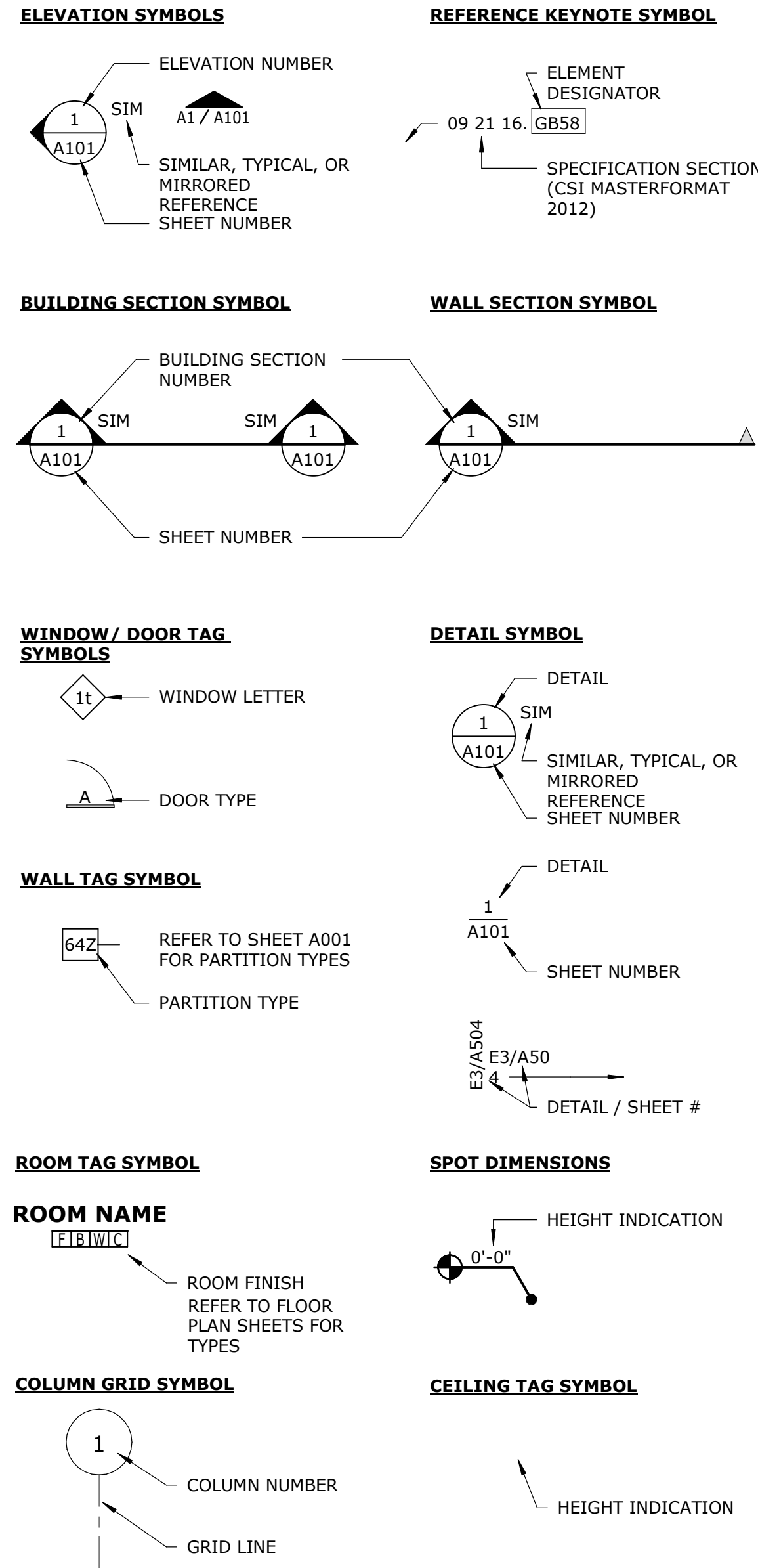
KEYNOTE LEGEND

06 10 00.DL24	DIMENSIONAL LUMBER, 2x4
06 10 00.DL26	DIMENSIONAL LUMBER, 2x6
06 10 00.OS12	OSB SHEATHING, 1/2"
06 20 00.WB	WALL BASE - PAINT
09 21 16.GB58	GYPSUM BOARD 5/8", STANDARD
09 21 16.MR58	GYPSUM BOARD, 5/8", MOISTURE RESISTANT
11 31 00.CD	CLOTHES DRYER
11 31 00.CW	CLOTHES WASHER
11 31 00.DW	DISHWASHER
11 31 00.R2	RANGE, GAS
11 31 00.RF	REFRIGERATOR
22 00 00.B	BATHTUB - REFER TO PLUMBING
22 00 00.L	LAVATORY - REFER TO PLUMBING
22 00 00.SH	SHOWER - REFER TO PLUMBING
22 00 00.SK	SINK - REFER TO PLUMBING
22 00 00.WC	WATER CLOSET - REFER TO PLUMBING
22 00 00.WHR	WATER HEATER - REFER TO MECHANICAL

MATERIAL LEGEND

CUT (SECTION)	PROJECTION (PLAN / ELEVATION)
CONCRETE	MEMBRANE ROOFING
EARTH	STUCCO
RIGID INSULATION	1HR WALL
BATT INSULATION	2HR WALL
WOOD BLOCKING	CMU
SPRAYED INSULATION	
BLOWN-IN INSULATION	

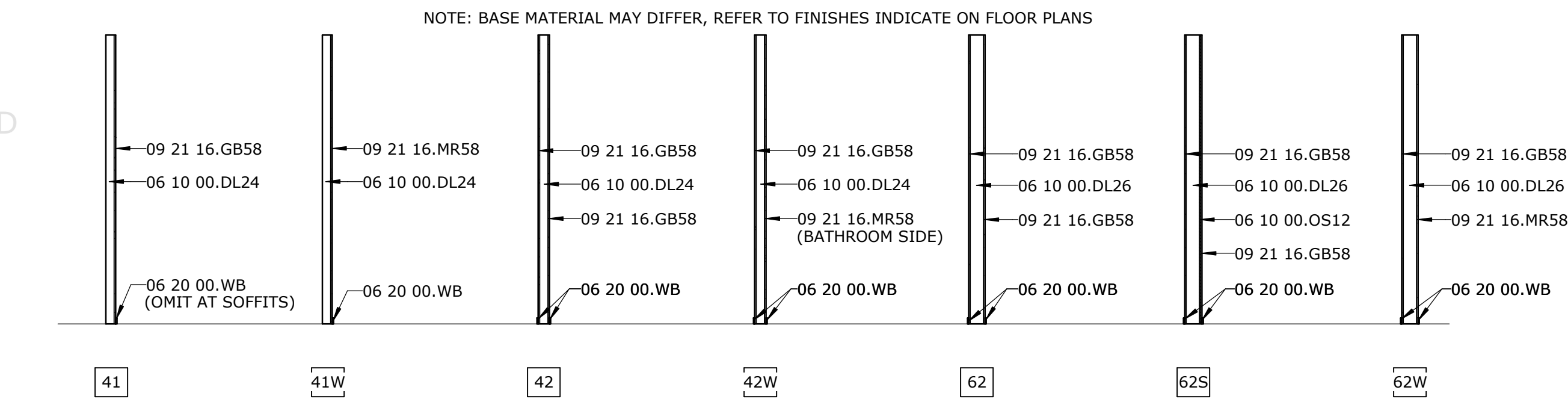
ANNOTATION LEGEND



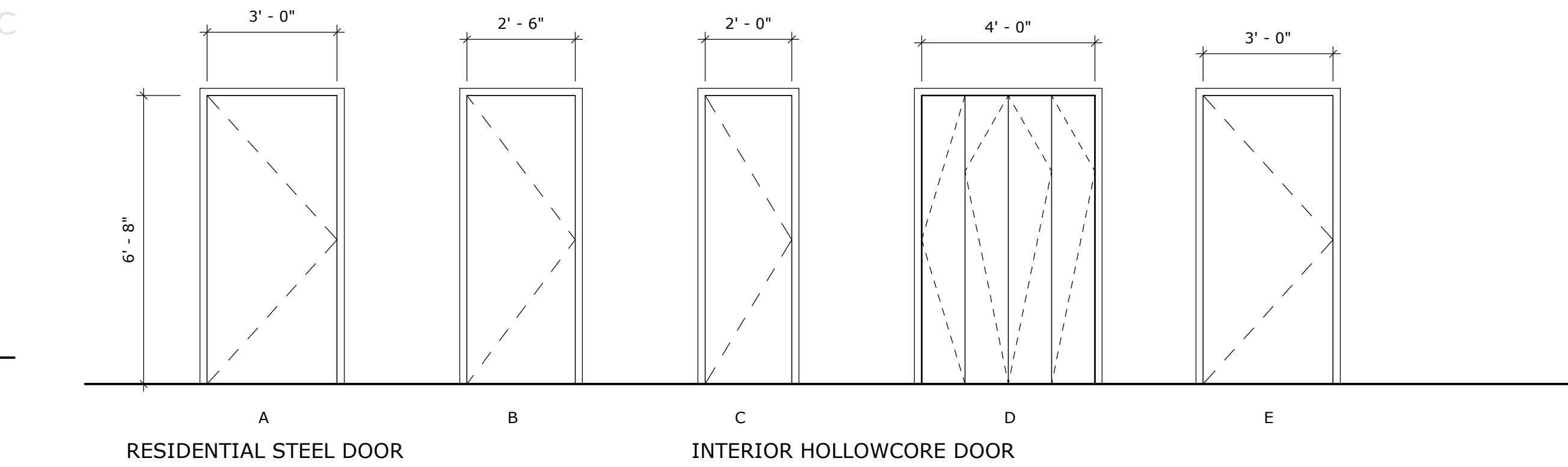
GENERAL NOTES

- "G" SERIES SHEETS MAY APPLY TO THE ENTIRE SET OF DRAWINGS.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BID AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. NO ADJUSTMENTS IN THE CONTRACT SUM OT TIME SHALL BE MADE FOR CONDITIONS THAT ARE CLEARLY VISIBLE YET NOT VERIFIED.
- PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL COORDINATE HEIGHTS AND LOCATIONS OF MECHANICAL UNITS, DUCTWORK, PIPES AND CONDUIT WITH CEILING HEIGHTS PRIOR TO INSTALLATION. IF ANY CONFLICT IS NOTED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY.

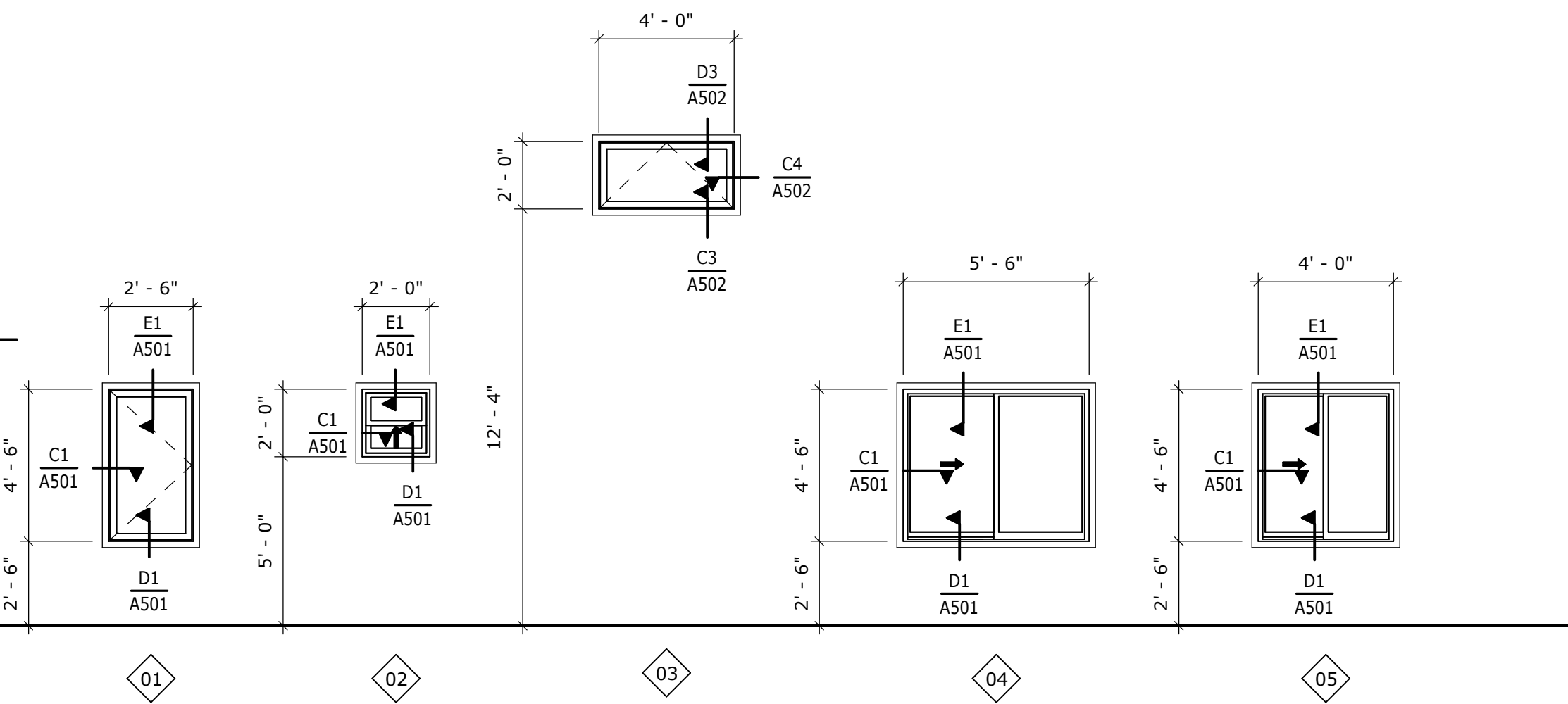
INTERIOR PARTITION TYPES LEGEND



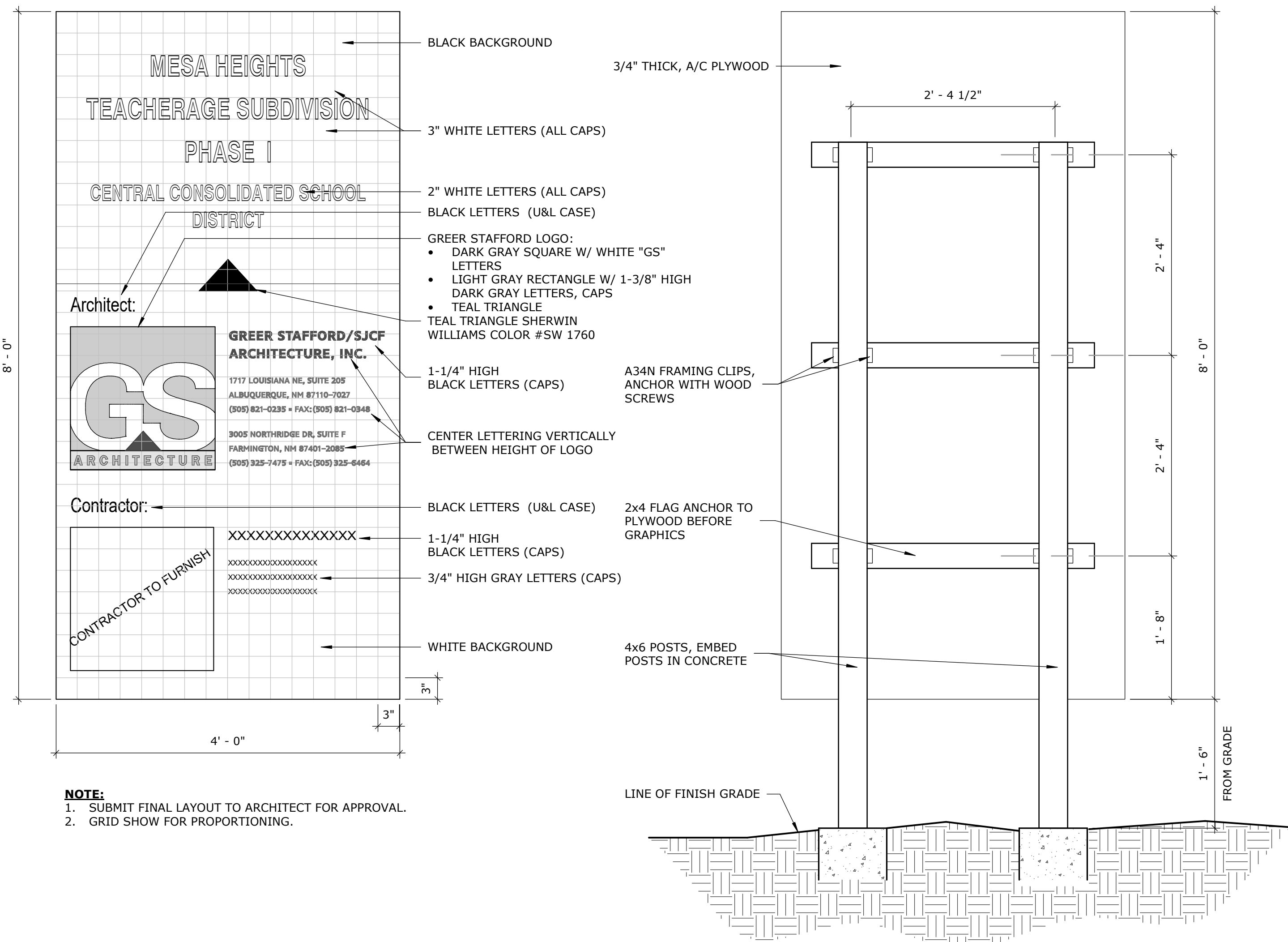
DOOR TYPES



WINDOW TYPES



PROJECT SIGN DETAIL

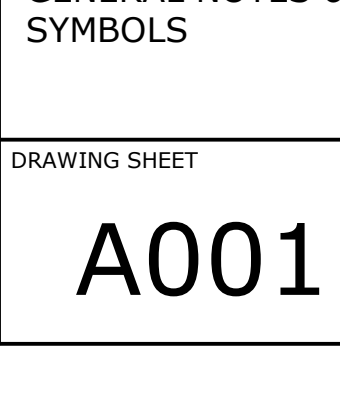
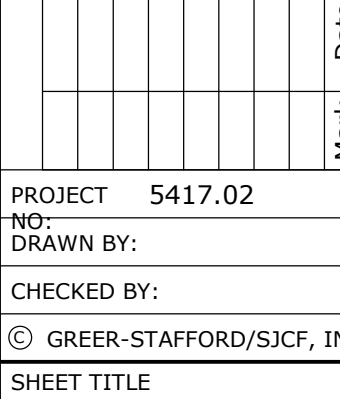
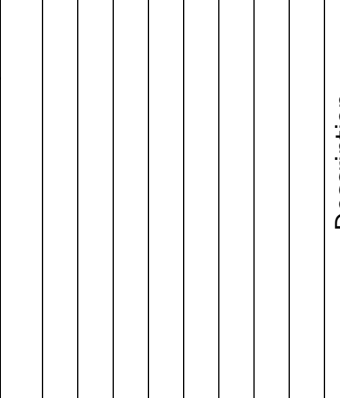
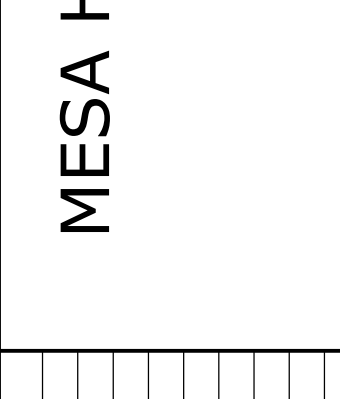
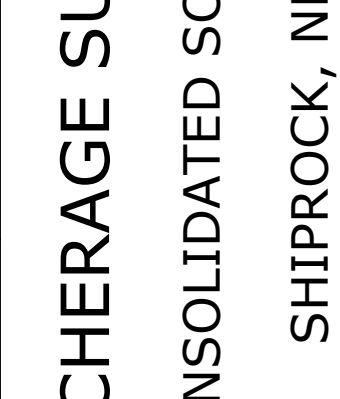
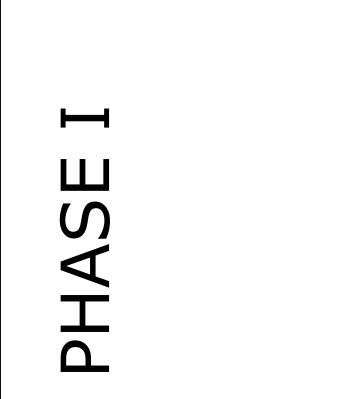
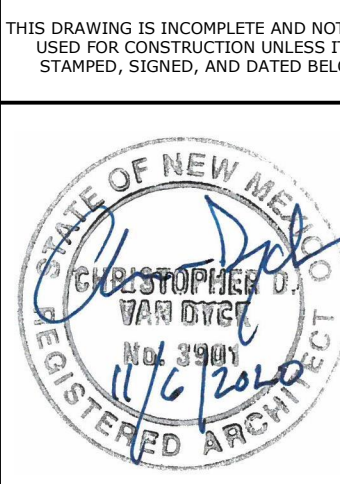
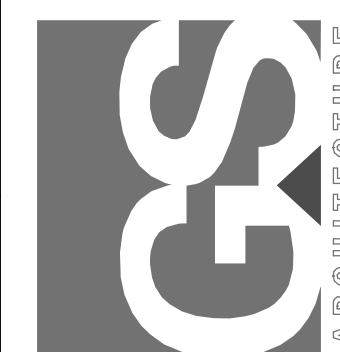


ABBREVIATIONS

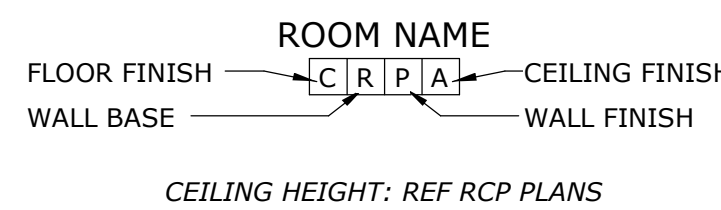
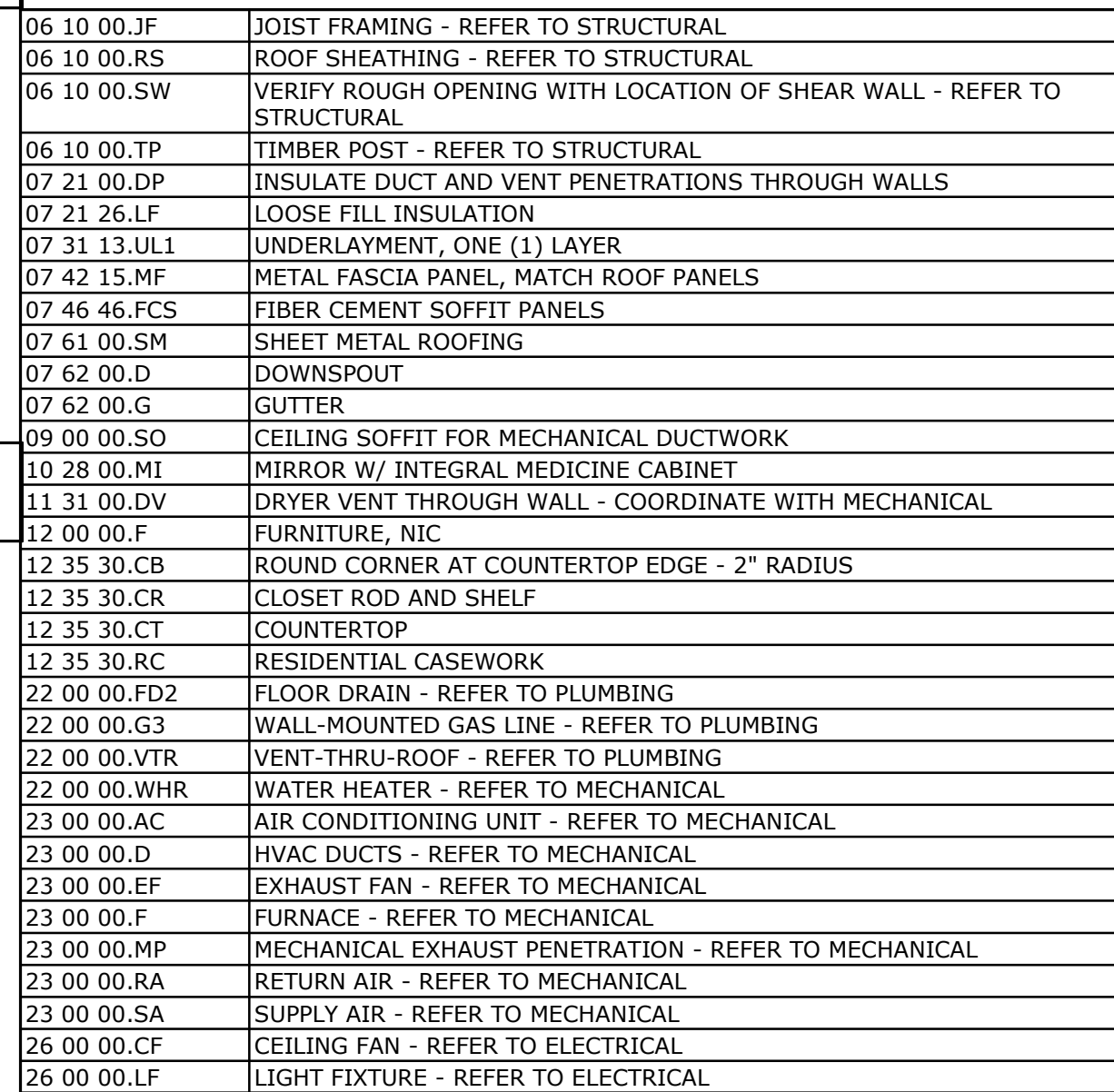
<	ANGLE	LAM	LAMINATE
@	AT	LAV	LAVATORY
CL	CENTERLINE	LT	LINTEL
Ø	DIAMETER	LB	POUND
≥	GREATER THAN OR EQUAL		
≤	LESS THAN OR EQUAL		
#	NOT EQUAL	MANUF	MANUFACTURER
AFF	ABOVE FINISH FLOOR	MB	MARKER BOARD
ACT	ACCOUSTICAL CEILING TILE	MAS	MASONRY
ALUM	ALUMINUM	NO	MASONRY OPENING
ALUM THR	ALUMINUM THRESHOLD	MAT	MATERIAL
AB	ANCHOR BOLT	MAX	MAXIMUM
		MECH	MECHANICAL
B	BACKER	MTL	METAL
BRG	BEARING	MRD	METAL ROOF DECK
BIT	BITUMEN	MIN	MINUTE
BLK	BLOCK	MIR	MIRROR
BLK'G	BLOCKING	MSB	MOP SERVICE BASIN
BD	BOARD		
BB	BOND BREAKER	NO	NUMBER
BOT	BOTTOM OF TRACK	NNU	NUMBER NOT USED
CAB	CABINET	OC	ON CENTER
CLG	CEILING	OPNG	OPENING
CL ANZ	CLEAR ANODIZED	OPP	OPPOSITE
COL	COLUMN	OD	OUTSIDE DIAMETER
CONC	CONCRETE		
CMU	CONCRETE MASONRY UNIT	PNT	PAINT / PAINTED
CONT	CONTINUOUS	PTD	PAPER TOWEL DISPENSER
CJ	CONTROL JOINT	PTN	PARTITION
CFL	COUNTERFLASHING	PVMT	PAVEMENT
		PERI	PERIMETER
DTL	DETAIL	PL	PLATE
DIA	DIAMETER	PL WD	PLYWOOD
DR	DOOR	PREFIN	PREFINISHED
DBL	DOUBLE	PT	PRESSURE TREATED
DN	DOWN	PLNE	PROPERTY LINE
DS	DOWNSPOUT		
DF	DRINKING FOUNTAIN	REF	REFERENCE
		REINF	REINFORCING / REINFORCEMENT
EA	EACH	RIG	RIGID
EWC	ELECTRIC WATER COOLER	RS	ROLLER SHADE
ELECT	ELECTRICAL	RD	ROOF DRAIN
EL / ELEV	ELEVATION	RH	ROOF HATCH
ELVR	ELEVATOR	SCW	SPECIFICATION
EQ	EQUAL	RFG	ROOFING
EXIST	EXISTING	RM	ROOM
EXP	EXPANSION	RND	ROUND
EJ	EXPANSION JOINT	SECT	SECTION
FRP	FIBERGLASS REINFORCED POLYMER	SHT	SHEET
		SD	SOAP DISPENSER
FIN	FINISH	SC	SOLID CORE
FEC	FIRE EXTINGUISHER	SCW	SOLID CORE WOOD
FLG	FLASHING	SQ	SPECIFICATION
FLR	FLOOR	SQ	SQUARE
FD	FLOOR DRAIN	S&V	STAIN AND VARNISH
FTG	FOOTING	SS	STAINLESS STEEL
FND	FOUNDATION	STL	STEEL
		STRUCT	STRUCTURE / STRUCTURAL
		SUS	SUSPENDED
		SYS	SYSTEM
GALV	GALVANIZED	TB	TACKBOARD
GA	GAUGE	THK	THICKNESS
GL	GLASS	TP	TOILET PARTITION
GB	GRAB BAR	TOP	TOP OF PARAPET
GYP BD	GYPSUM BOARD	TREAT	TREATED
		TYP	TYPICAL
HC	HANDICAPPED	UND	UNDER / UNDERNEATH
HT	HEIGHT	UR	URINAL
HI	HIGH IMPACT		
HM	HOLLOW METAL		
HM DR	HOLLOW METAL DOOR		
HM FR	HOLLOW METAL FRAME		
HORIZ	HORIZONTAL	VB	VAPOR BARRIER
HRS	HOURS	VPR	VERIFY IN FIELD
		VIF	VERIFY IN FIELD
ID	INSIDE DIAMETER	VERT	VERTICAL
INSUL	INSULATION / INSULATED	VCT	VINYL COMPOSITION TILE
INT	INTERIOR		
		WC	WATER CLOSET - REF
JT	JOINT	WDW	WINDOW
JST	JOIST	W/	WITH
JB	JOIST BEARING	WD	WOOD

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
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SHIPROCK, NM

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GENERAL NOTES: FLOOR PLAN

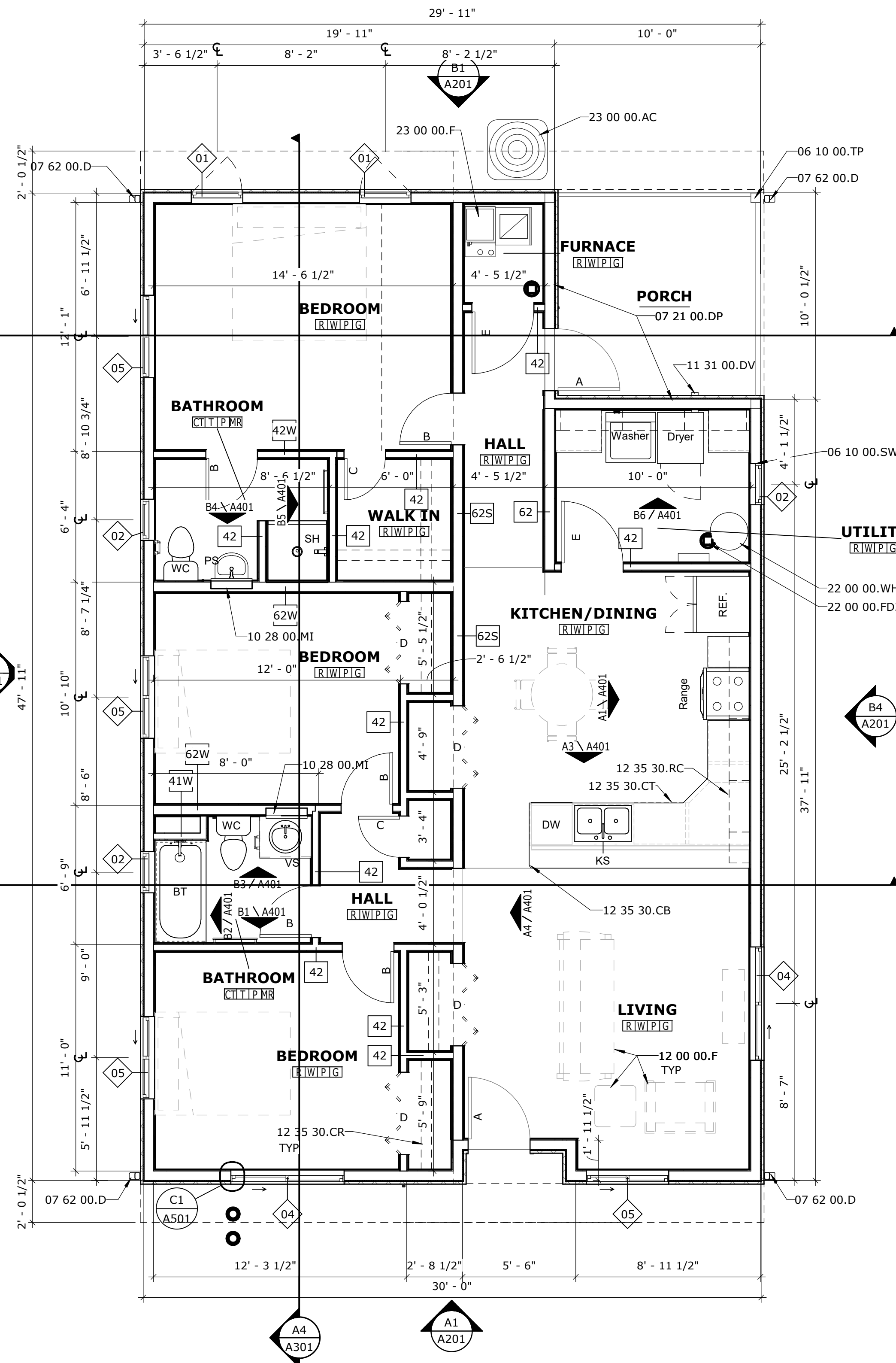


R: RESILIENT FLOOR - REF 09 65 00.
CT: CERAMIC TILE - REF 09 30 00.

W: WOOD BASE - REF 06 20 00.
T: CERAMIC TILE BASE - REF 09 30 00.

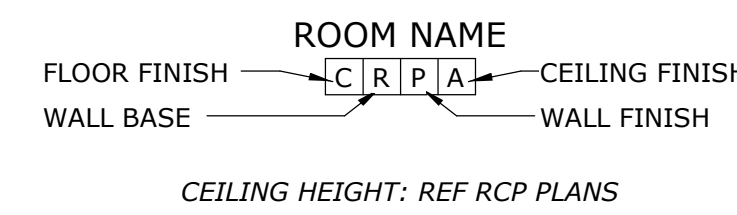
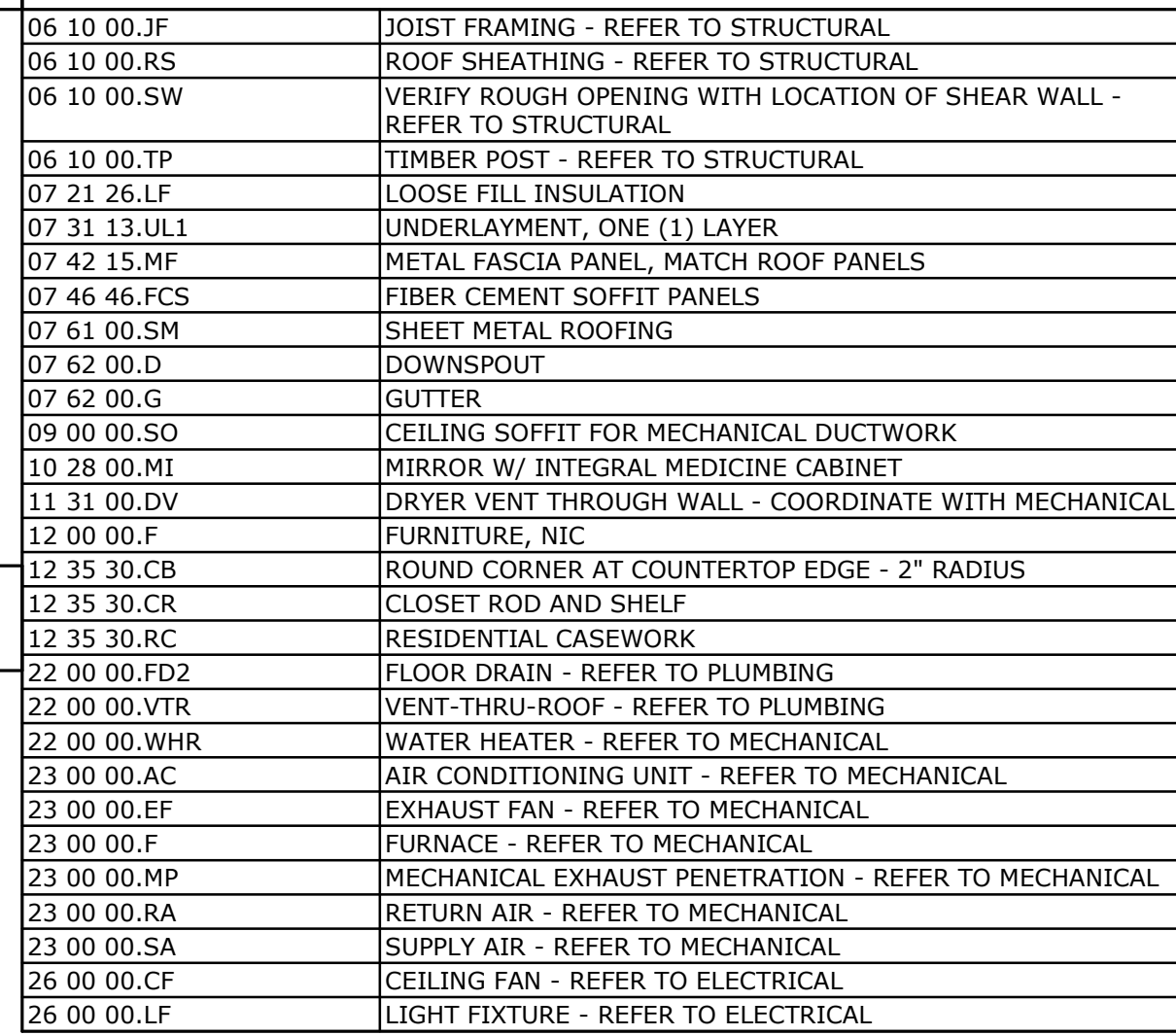
P: TEXTURE, PAINT - REF 09 90 00.

G: GYP BOARD, PAINT - REF 09 21 16 & 09 90 00.
MR: MOISTURE RESISTANT GYP BOARD, PAINT - REF 0921 16 & 09 90 00

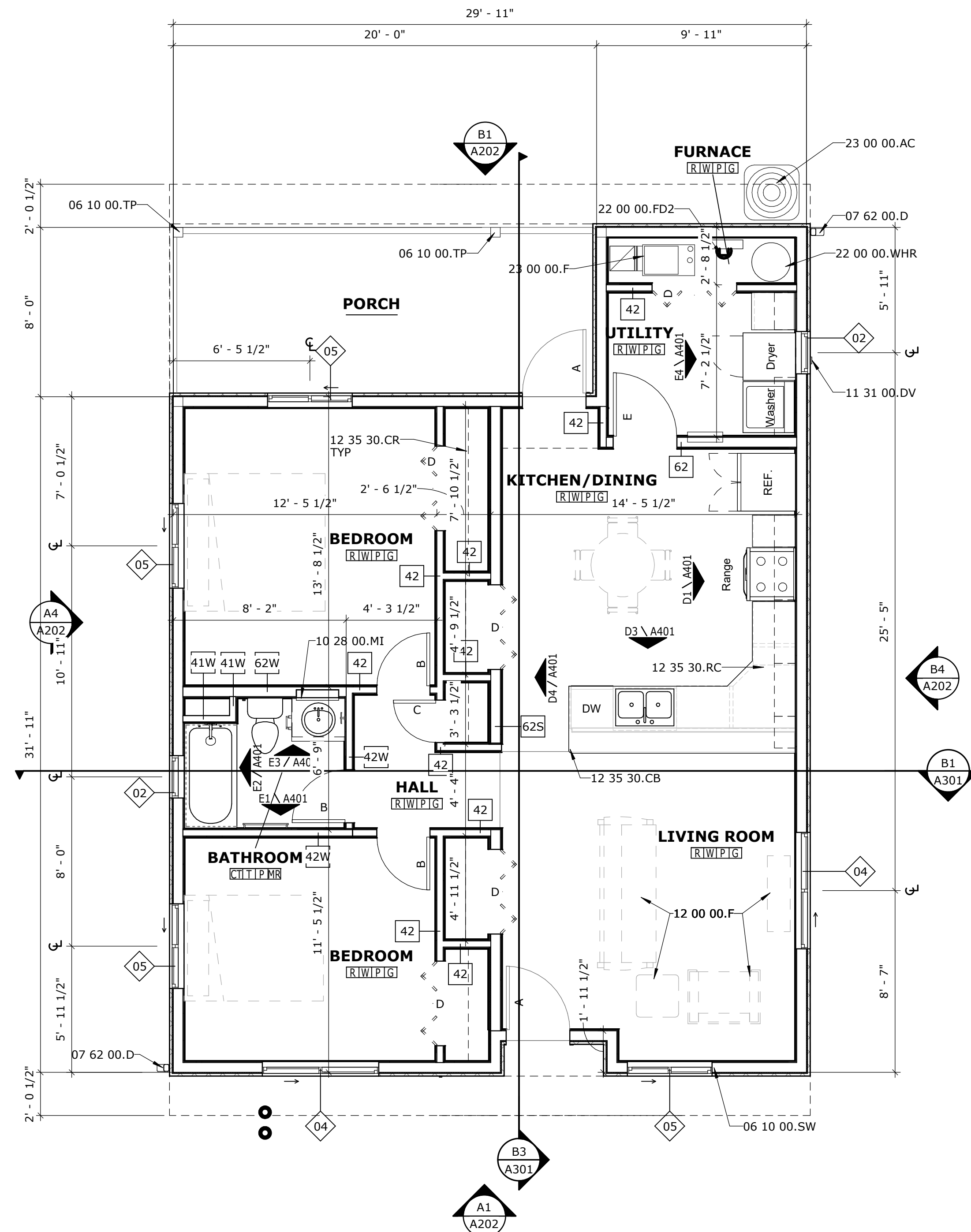
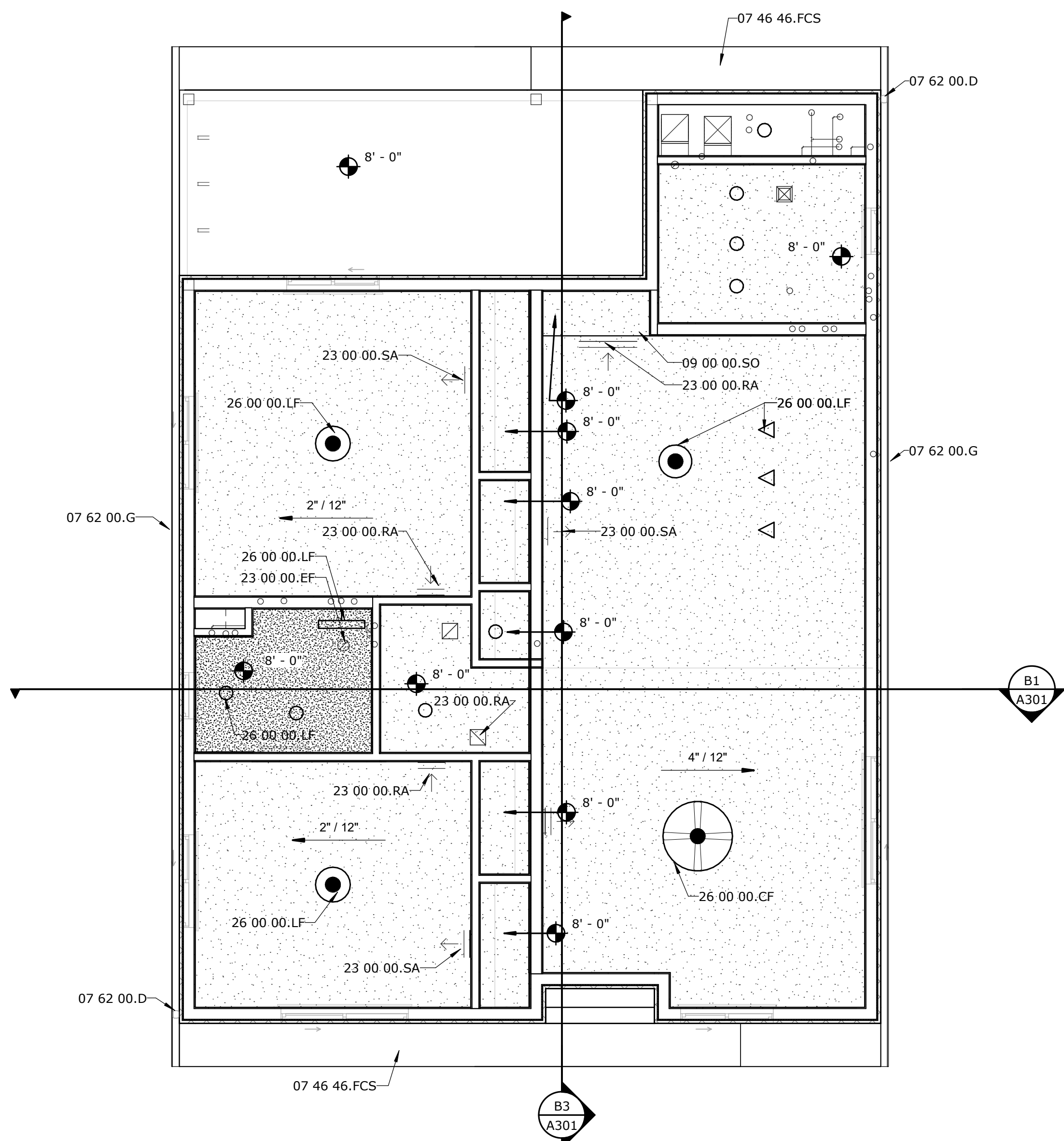


1/4" = 1' - 0"

GENERAL NOTES: FLOOR PLAN



G: GYP BOARD, PAINT - REF 09 21 16 & 09 90 00.
MR: MOISTURE RESISTANT GYP BOARD, PAINT - REF 0921 16 & 09 90 00



11/2/2020 9:45:41 AM

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ROOF LEGEND

MARK

PLAN

SECTION

07 62 00.D

07 62 00.G

22 00 00.VTR

22 00 00.VTR

22 00 00.G3

07 42 15.MF

07 62 00.G

07 62 00.D

07 62 00.G

07 62 00.D

07 62 00.D

07 62 00.G

22 00 00.VTR

22 00 00.VTR

22 00 00.G3

07 42 15.MF

07 62 00.G

07 62 00.D

07 62 00.G

07 62 00.D

(PENETRATION FLASHING @ MTL ROOF)

(MECH FLUE FLASHING)

GENERAL NOTES: ROOF PLAN

1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING SHEETS FOR ALL ROOF MOUNTED UTILITY LINES. SUPPORT LINES PER UTILITY LINES PER SECTION 09 9000.

2. THE INTENT OF THE DETAILING SHOWN WITHIN THIS PROJECT IS TO REPRESENT THE MINIMUM STANDARD OF UNDERLAYMENT, FLASHINGS, TRIMS, ETC. REQUIRED TO ACHIEVE THE SPECIFIED WARRANTY. SHOULD ANY PARTICULAR APPROVED MANUFACTURERS REQUIRE MORE STRINGENT REQUIREMENTS TO ACHIEVE THE SPECIFIED WARRANTY, APPROVAL SHALL BE SOUGHT PRIOR TO BID. THE CONTRACTOR SHALL SUBMIT ALL COSTS OF SAVE WITHIN THE BID AMOUNT. NO ALLOWANCES WILL BE MADE FOR FAILURE TO FOLLOW THIS PRIOR APPROVAL PROCEDURE OR TO INCLUDE ALL ASSOCIATED COSTS WITHIN THE BID.

3. PROVIDE TAPERED INSULATION CRICKETS AT HIGH SIDES OF ALL ROOF MOUNTED EQUIPMENT, SKYLIGHTS, CORNERS, ETC. AND ALONG WALLS AS REQUIRED TO PROVIDE POSITIVE DRAINAGE. SLOPE FOR ALL CRICKETS SHALL BE 1/4" GREATER THAN THE SLOPE OF THE ROOF TO CREATE POSITIVE DRAINAGE (E.G.: 1/4" PER FOOT ROOF SLOPE = 1/2" PER FOOT CRICKET). CRICKETS AT NEW CONSTRUCTION ARE SHOWN FOR INTENT AND ARE NOT TO SCALE. REFER TO THE NRCA ROOFING MANUAL, CURRENT EDITION.

4. ALL ROOF PENETRATION AND FLASHING WORK SHALL BE THE RESPONSIBILITY OF THE ROOFING CONTRACTOR AND SHALL BE COVERED AS PART OF THE MANUFACTURER'S WARRANTY.

5. AT ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS, THE GENERAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL & ROOFING SUBCONTRACTORS TO INSTALL EQUIPMENT AND PENETRATIONS 18" MINIMUM CLEAR FROM ALL WALLS, PARAPETS, CURBS, ETC. TO FACILITATE ROOF FLASHING WORK.

GENERAL NOTES: RCP

1. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING SHEETS FOR ADDITIONAL CEILING MOUNTED EQUIPMENT.

KEYNOTE LEGEND

06 10 00.JF

06 10 00.RS

06 10 00.SW

06 10 00.TP

07 21 26.LF

07 31 13.UL.1

07 42 15.MF

07 46 46.FCS

07 61 00.SM

07 62 00.D

07 62 00.G

09 00 00.SO

10 28 00.MI

11 31 00.DV

12 00 00.F

12 35 30.CB

12 35 30.CR

12 35 30.RC

22 00 00.FD2

22 00 00.G3

22 00 00.VTR

22 00 00.WHR

23 00 00.AC

23 00 00.EF

23 00 00.F

23 00 00.MP

23 00 00.RA

23 00 00.SA

26 00 00.CF

26 00 00.LF

JOIST FRAMING - REFER TO STRUCTURAL

ROOF SHEATHING - REFER TO STRUCTURAL

VERIFY ROUGH OPENING WITH LOCATION OF SHEAR WALL - REFER TO STRUCTURAL

TIMBER POST - REFER TO STRUCTURAL

LOOSE FILL INSULATION

UNDERLAYMENT, ONE (1) LAYER

METAL FASCIA PANEL, MATCH ROOF PANELS

FIBER CEMENT SOFFIT PANELS

SHEET METAL ROOFING

DOWNSPOUT

GUTTER

CEILING SOFFIT FOR MECHANICAL DUCTWORK

MIRROR W/ INTEGRAL MEDICINE CABINET

DRYER VENT THROUGH WALL - COORDINATE WITH MECHANICAL FURNITURE, N/C

ROUND CORNER AT COUNTERTOP EDGE - 2" RADIUS

CLOSET ROD AND SHELF

RESIDENTIAL CASEWORK

FLOOR DRAIN - REFER TO PLUMBING

WALL MOUNTED GAS LINE - REFER TO PLUMBING

VENT-THRU-ROOF - REFER TO PLUMBING

WATER HEATER - REFER TO MECHANICAL

AIR CONDITIONING UNIT - REFER TO MECHANICAL

EXHAUST FAN - REFER TO MECHANICAL

FURNACE - REFER TO MECHANICAL

MECHANICAL EXHAUST PENETRATION - REFER TO MECHANICAL

RETURN AIR - REFER TO MECHANICAL

SUPPLY AIR - REFER TO MECHANICAL

CEILING FAN - REFER TO ELECTRICAL

LIGHT FIXTURE - REFER TO ELECTRICAL

FLOOR PLAN LEGEND

----- OVERHEAD ROOF / SOFFIT

..... WALL TILE

GENERAL NOTES: FLOOR PLAN

1. REFER TO --/-- FOR TYPICAL FLOOR FINISH TRANSITIONAL DETAIL.

2. REFER TO A001 FOR INTERIOR PARTITION TYPES.

3. REFER TO WINDOW SCHEDULE ON A001 FOR LOCATIONS AND QUANTITIES OF WINDOW TREATMENT REQUIRED.

4. ALL EXTERIOR FACE-OF-WALL DIMENSIONS ARE TO FACE-OF-CONCRETE STEM WALL. INTERIOR DIMENSIONS ARE TO FACE-OF-STUD.

5. WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING IN STUD WALLS.

ROOM FINISHES

1. FINISHES INDICATED VIA FINISH SCHEDULE SHALL BE INSTALLED THROUGH-OUT ENTIRE ROOM, TYPICAL, UNO.

2. WHERE WALL PAINT FINISH IS INDICATED, PAINT ALL SURFACES EXPOSED TO VIEW, INCLUDING STRUCT STEEL, STAIRS, FIXTURES, FRAMES, COVERS, ETC, THAT ARE NOT FACTORY PRE-FINISHED. REF SPEC'S.

3. INSTALL RESILIENT REDUCERS / NOSINGS @ ALL FLOOR FINISH TRANSITIONS. REFER TO DET XX/A531.

4. WHERE TILE IS INDICATED TO BE INSTALLED ON WALLS, CEMENTIOUS BACKER BOARD IS TO BE PLACED IN LIEU OF GYPSUM WALL BOARD.

FLOOR FINISH

R: RESILIENT FLOOR - REF 09 65 00.

CT: CERAMIC TILE - REF 09 30 00.

WALL BASE

W: WOOD BASE - REF 06 20 00.

T: CERAMIC TILE BASE - REF 09 30 00.

WALL FINISH

P: TEXTURE, PAINT - REF 09 90 00.

CEILING FINISH

G: GYP BOARD, PAINT - REF 09 21 16 & 09 90 00.

MR: MOISTURE RESISTANT GYP BOARD, PAINT - REF 0921 16 & 09 90 00

RCP LEGEND

GYPSUM BOARD

GYPSUM BOARD WATER RESISTANT

RECESSED DOWN LIGHTING - REF ELECTRICAL SHEETS.

SUSPENDED LIGHT FIXTURE - REF ELECTRICAL SHEETS.

CEILING FAN W/ LIGHT - REF ELECTRICAL SHEETS.

TRACK MOUNTED DIRECTIONAL LIGHT - REF ELECTRICAL SHEETS.

WALL MOUNTED VANITY LIGHT FIXTURE - REF ELECTRICAL SHEETS.

HVAC SUPPLY AIR GRILLE - REF MECHANICAL SHEETS.

HVAC RETURN AIR GRILLE - REF MECHANICAL SHEETS.

ROOF PLAN - 2 BEDROOM (MIRRORED)

1/4" = 1'-0"

REFLECTED CEILING PLAN - 2 BEDROOM (MIRRORED)

1/4" = 1'-0"

FLOOR PLAN - 2 BEDROOM (MIRRORED)

1/4" = 1'-0"

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REGISTERED ARCHITECT

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I

CENTRAL CONSOLIDATED SCHOOL DISTRICT

SHIPROCK, NM

PROJECT NO. 5417.02

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SHEET TITLE
FLOOR PLANS - 2
BEDROOM (MIRRORED) - UNIT
PRICE C

DRAWING SHEET

Mark

Date

Issue


NOVEMBER 6, 2020

A103

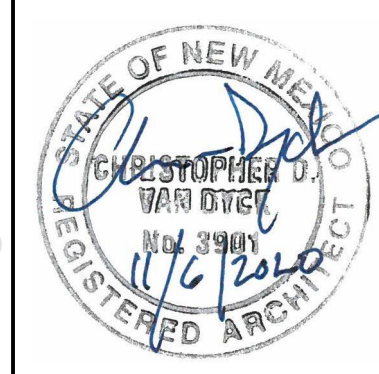


GENERAL NOTES: EXTERIOR ELEVS

1. EXTERIOR ELEVATIONS FOR MIRRORED UNITS ARE SIMILAR TO WHAT IS SHOWN, BUT MIRRORED.



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SHIPROCK, NM

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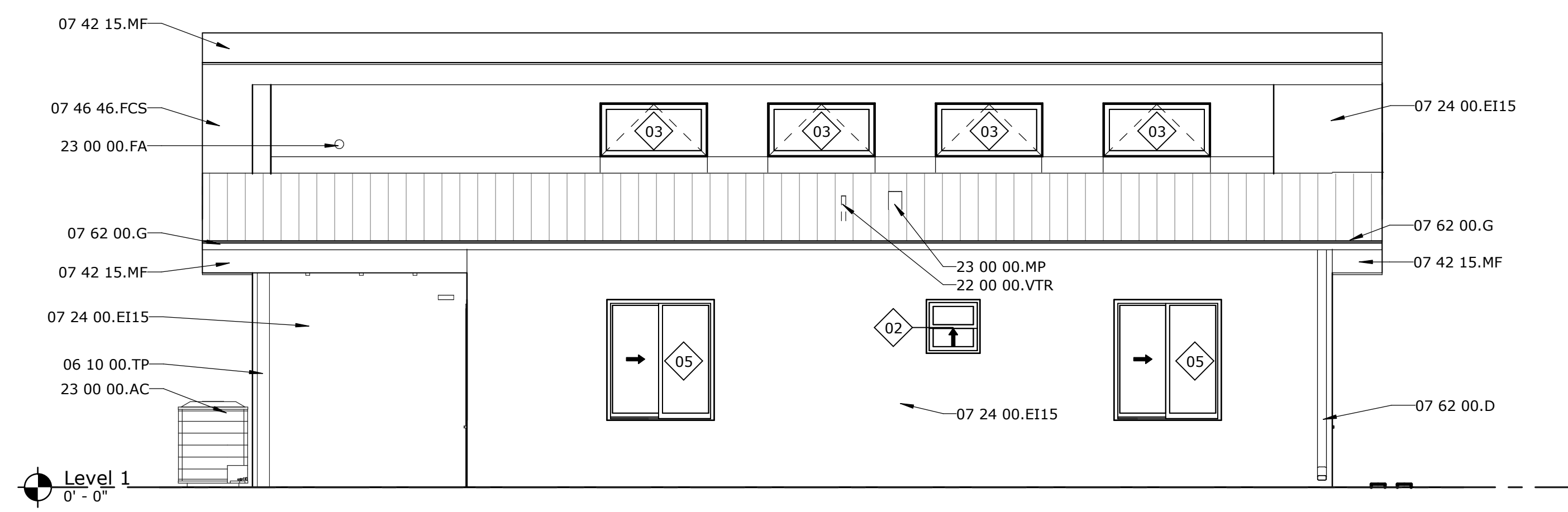
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SHEET TITLE	
EXTERIOR	
ELEVATIONS - 3	
BEDROOM UNIT	

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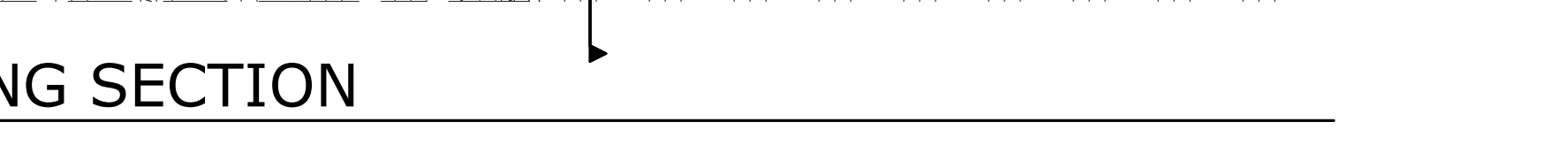
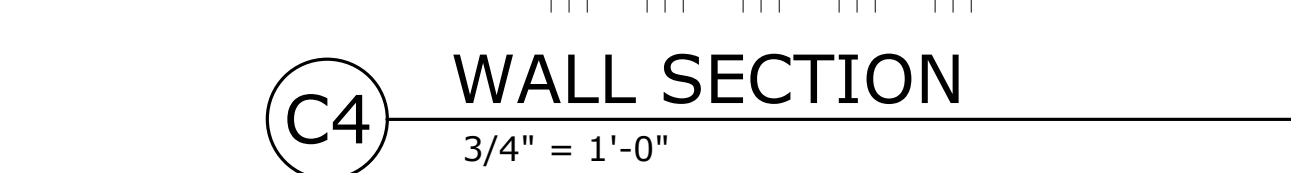
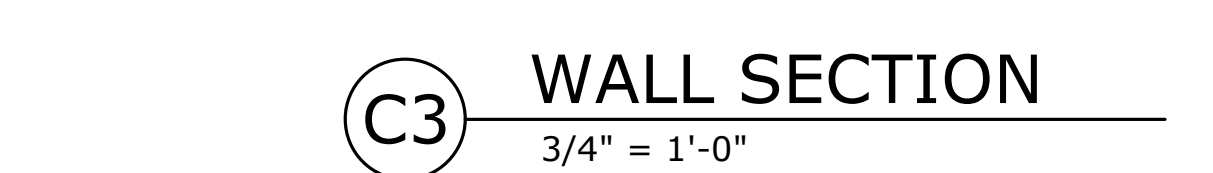
A201



B4 2 BDR - SIDE ELEVATION
1/4" = 1'-0"



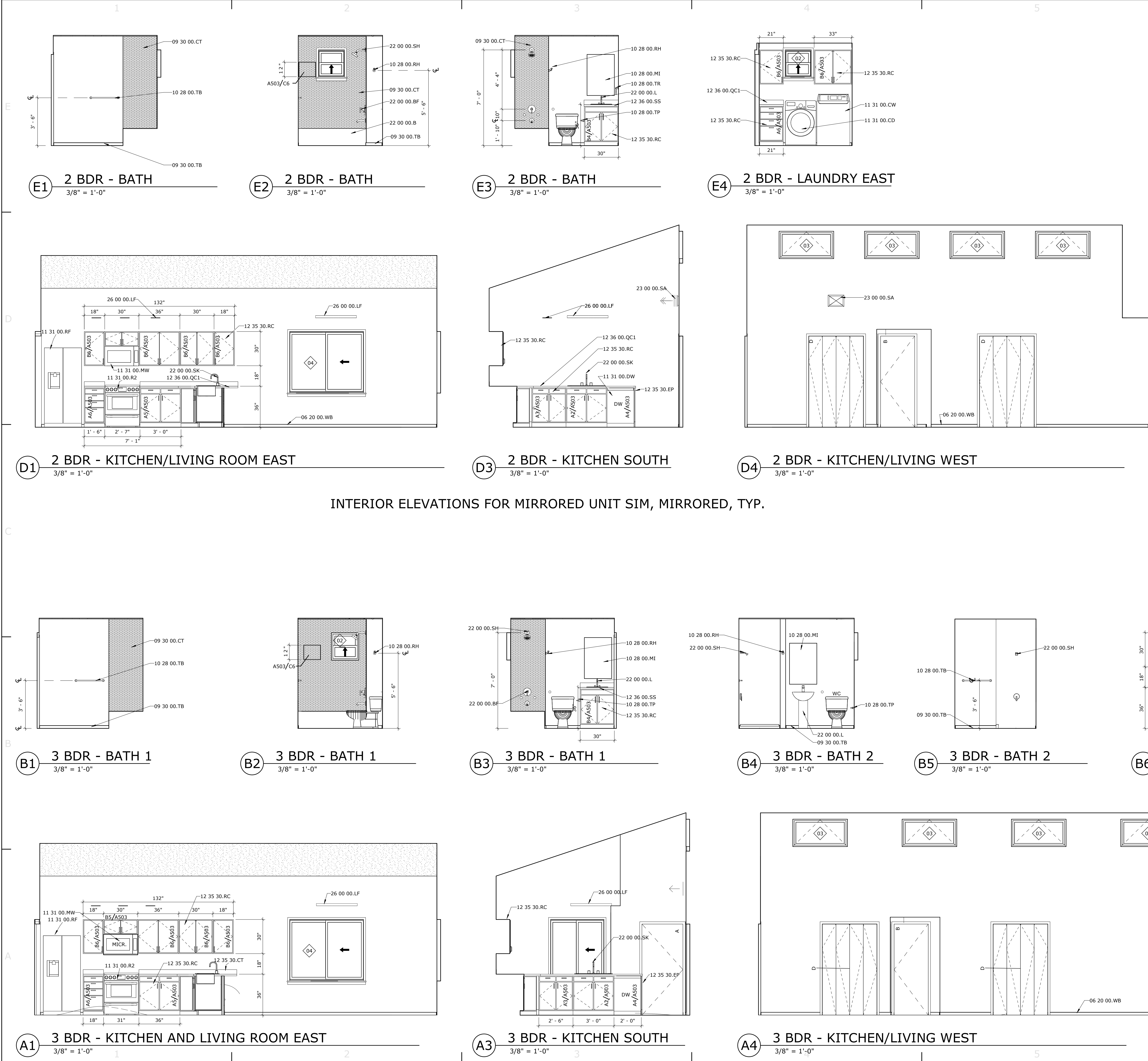
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KEYNOTE LEGEND	
06 20 00.WB	WALL BASE - PAINT
09 30 00.CT	CERAMIC TILE
09 30 00.TB	TILE BASE
10 28 00.MI	MIRROR W/ INTEGRAL MEDICINE CABINET
10 28 00.RH	ROBE HOOK
10 28 00.TB	TOWEL BAR - 24"
10 28 00.TP	TOILET PAPER DISPENSER
10 28 00.TR	TOWEL RING
11 31 00.CD	CLOTHES DRYER
11 31 00.CW	CLOTHES WASHER
11 31 00.DW	DISHWASHER
11 31 00.MW	MICROWAVE W/ INTEGRAL HOOD
11 31 00.R2	RANGE GAS
11 31 00.RF	REFRIGERATOR
12 35 30.CT	COUNTERTOP
12 35 30.EP	FINISHED END PANEL TO MATCH
12 35 30.RC	RESIDENTIAL CASEWORK
12 36 00.QC1	ENGINEERED QUARTZ SURFACING COUNTERTOP
12 36 00.SS	SOLID SURFACE COUNTERTOP W/ INTEGRAL SINK BASIN
22 00 00.B	BATHTUB - REFER TO PLUMBING
22 00 00.L	LAVATORY - REFER TO PLUMBING
22 00 00.SH	SHOWER - REFER TO PLUMBING
22 00 00.SK	SINK - REFER TO PLUMBING
22 00 00.WHR	WATER HEATER - REFER TO MECHANICAL
23 00 00.RA	RETURN AIR - REFER TO MECHANICAL
23 00 00.SA	SUPPLY AIR - REFER TO MECHANICAL
26 00 00.LF	LIGHT FIXTURE - REFER TO ELECTRICAL

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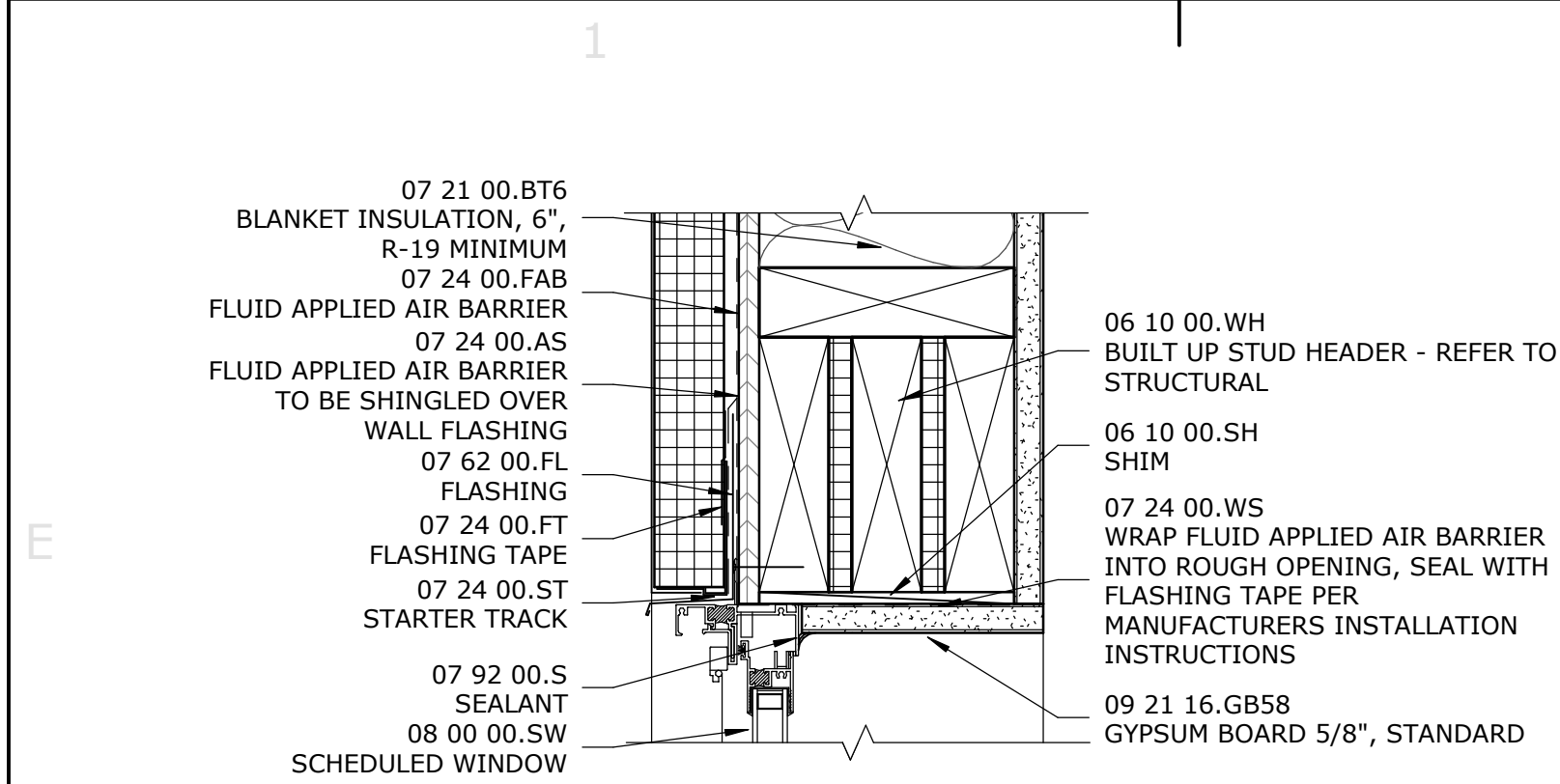
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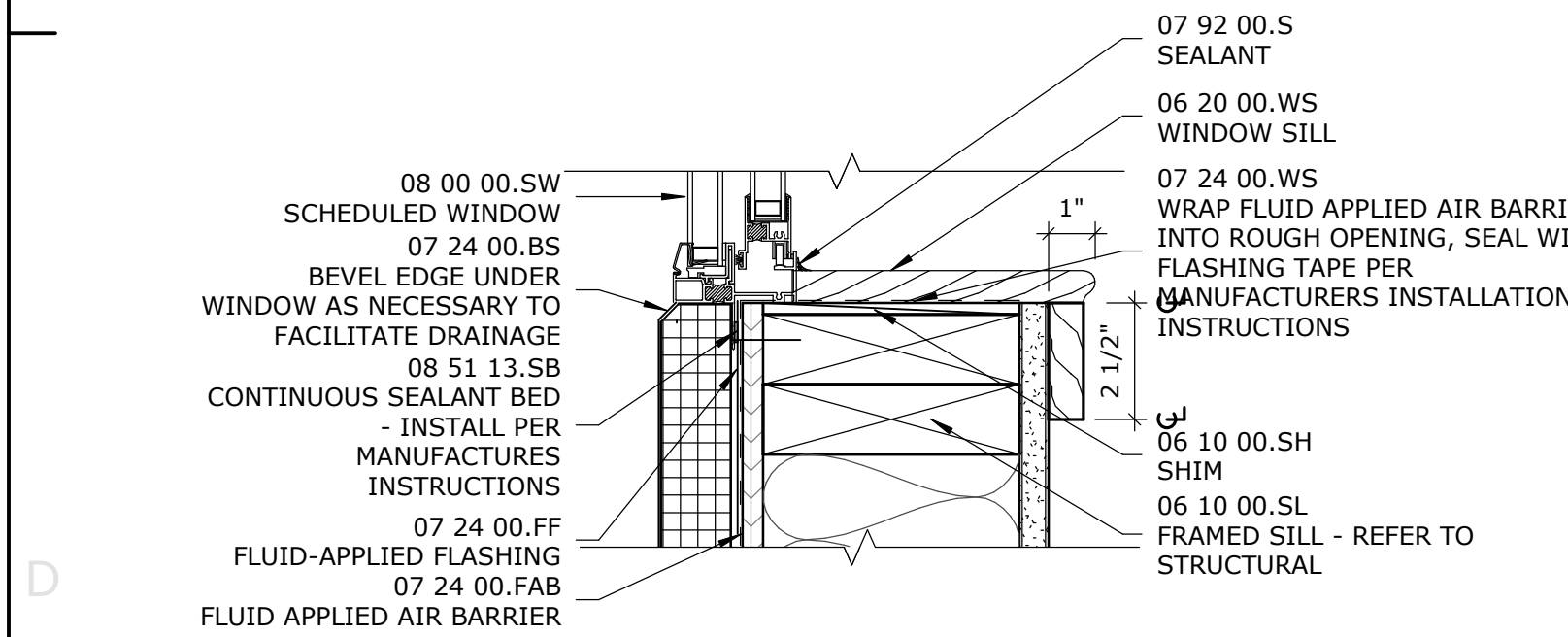
Mark	Date	Description

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SHEET
INTERIOR ELEVATIONS
DRAWING SHEET
NOVEMBER 6, 2020

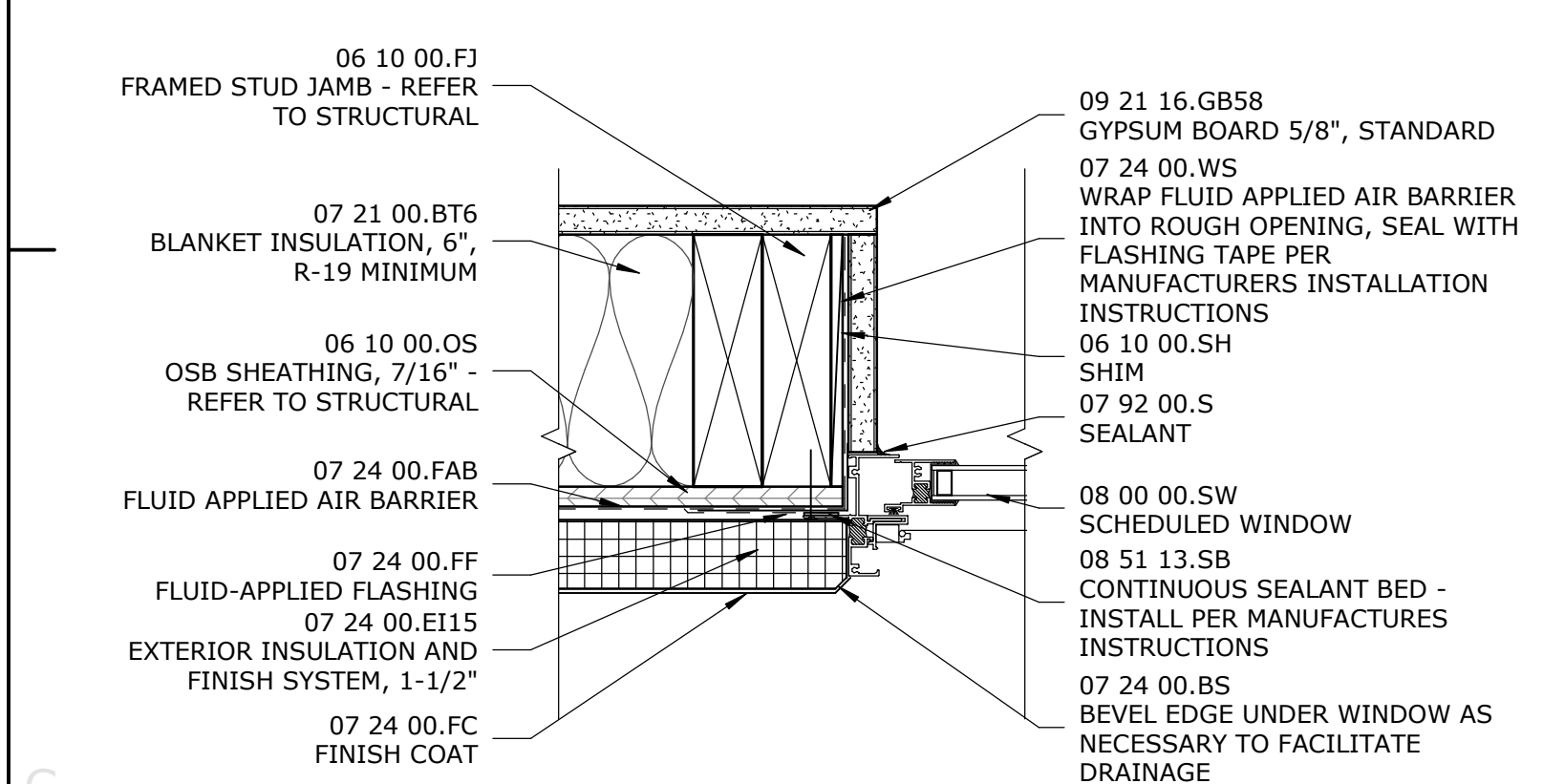
A401

**E1** TYPICAL WINDOW HEAD DETAIL

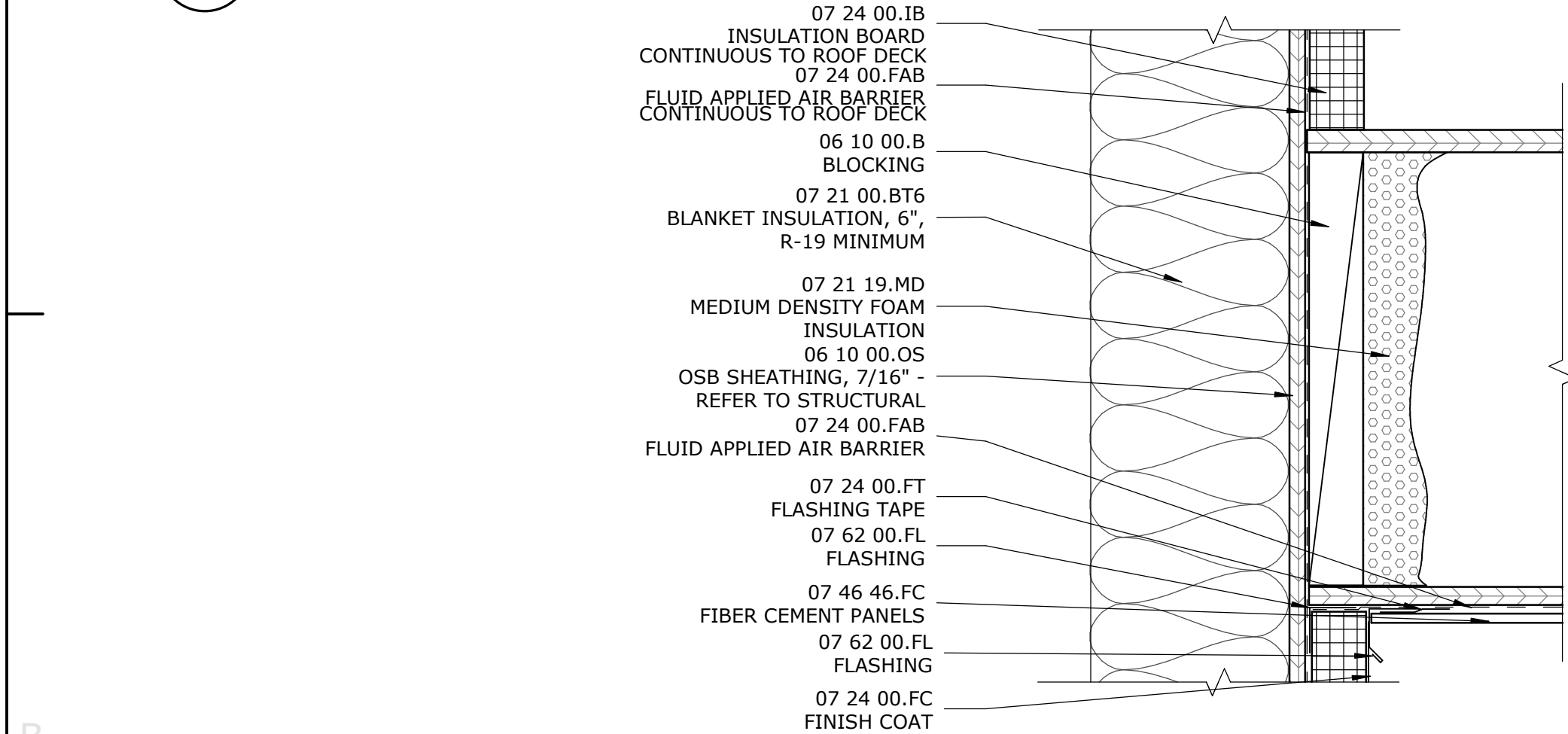
3" = 1'-0"

**D1** TYPICAL WINDOW SILL DETAIL

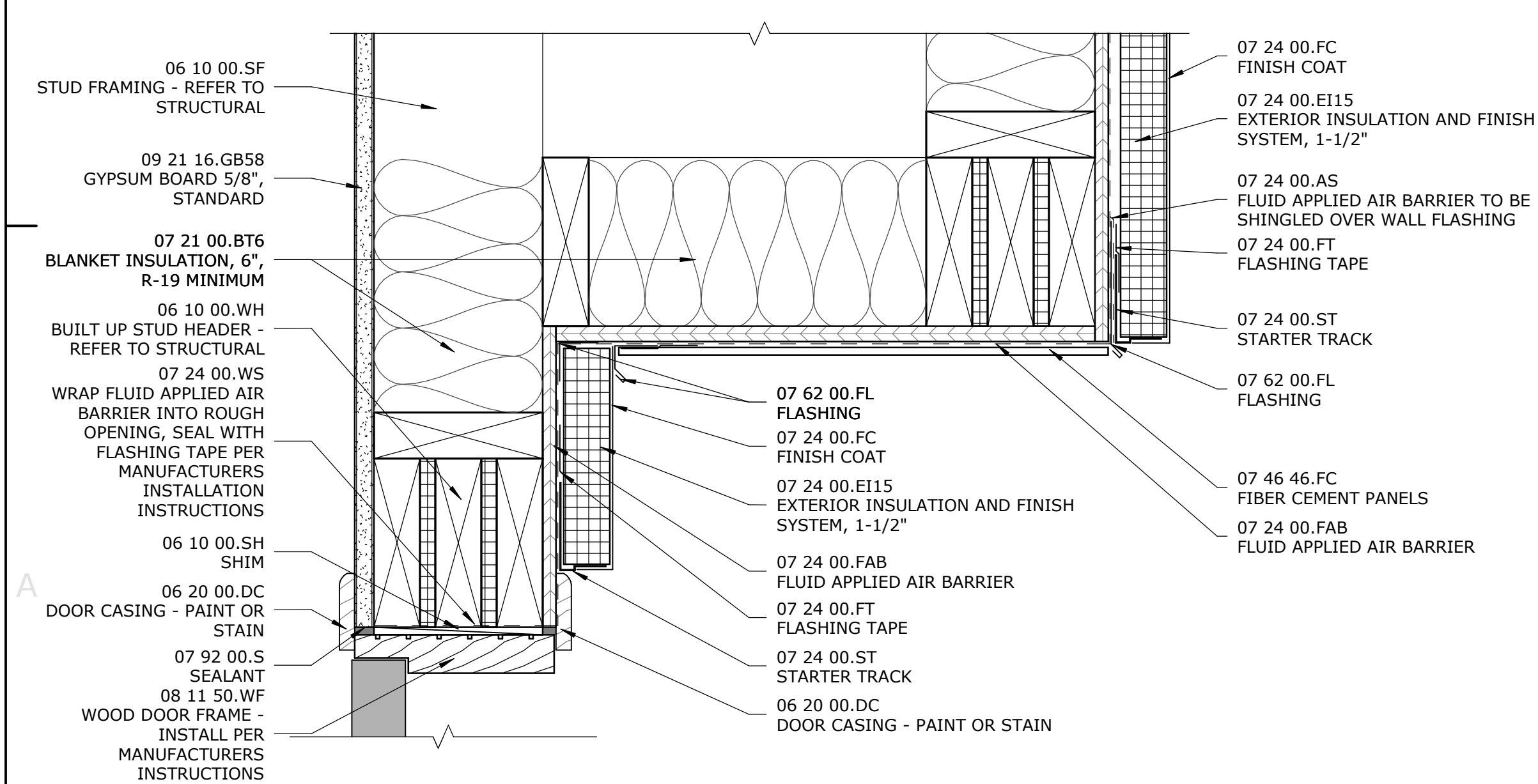
3" = 1'-0"

**C1** TYPICAL WINDOW JAMB DETAIL

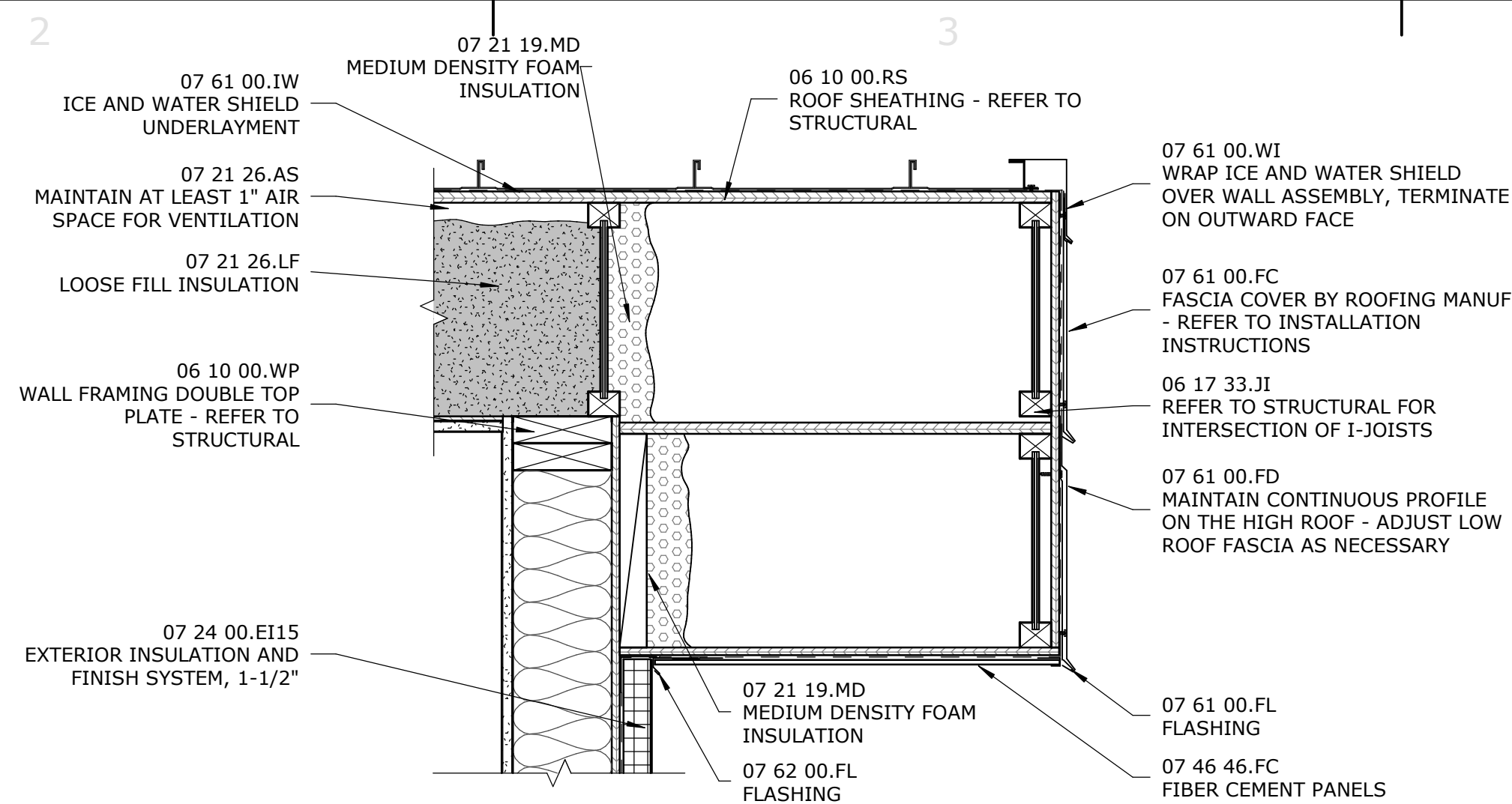
3" = 1'-0"

**B1** DETAIL - SOFFIT AT CONTINUOUS INSULATION

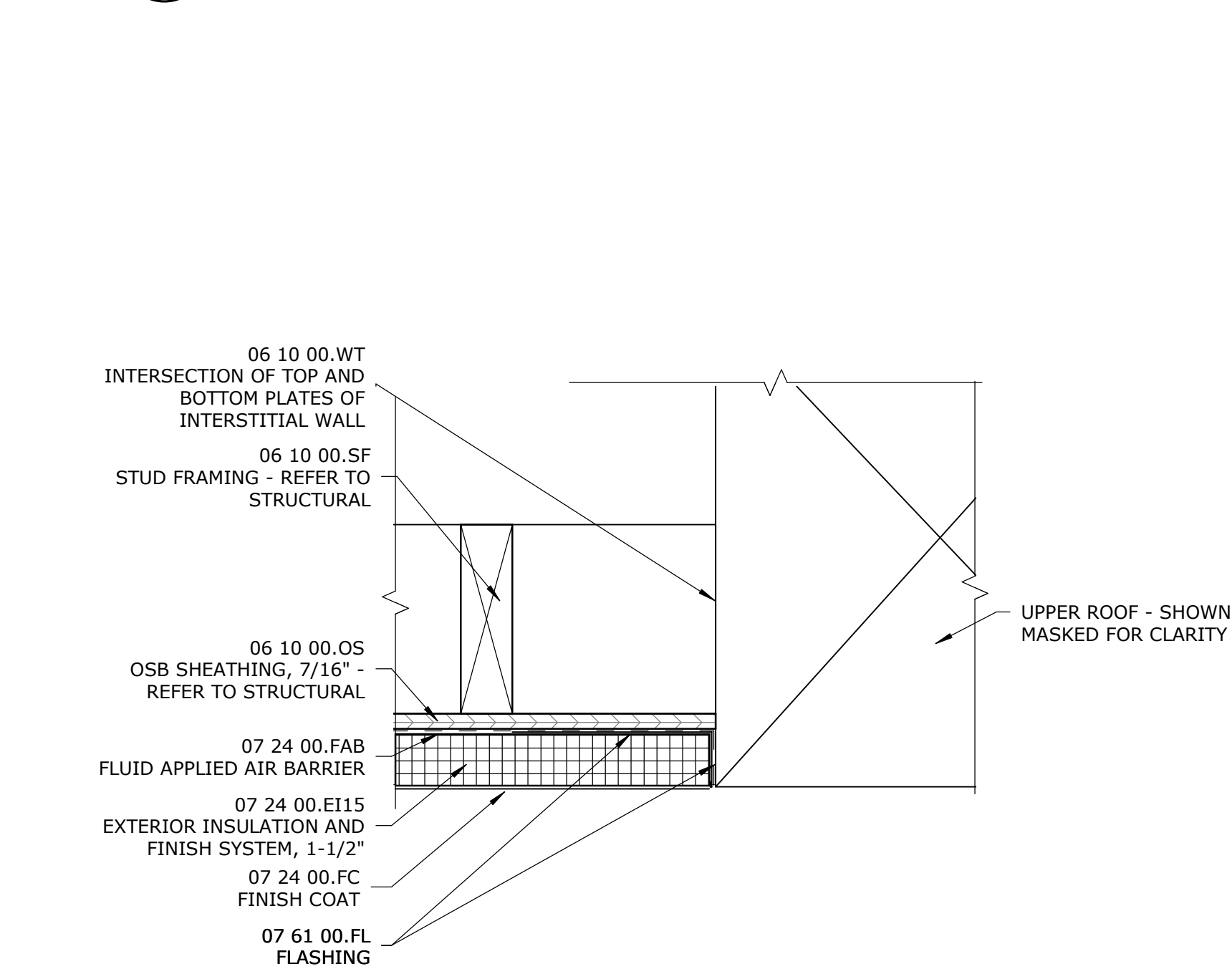
3" = 1'-0"

**A1** DETAIL - ENTRANCE ALCOVE

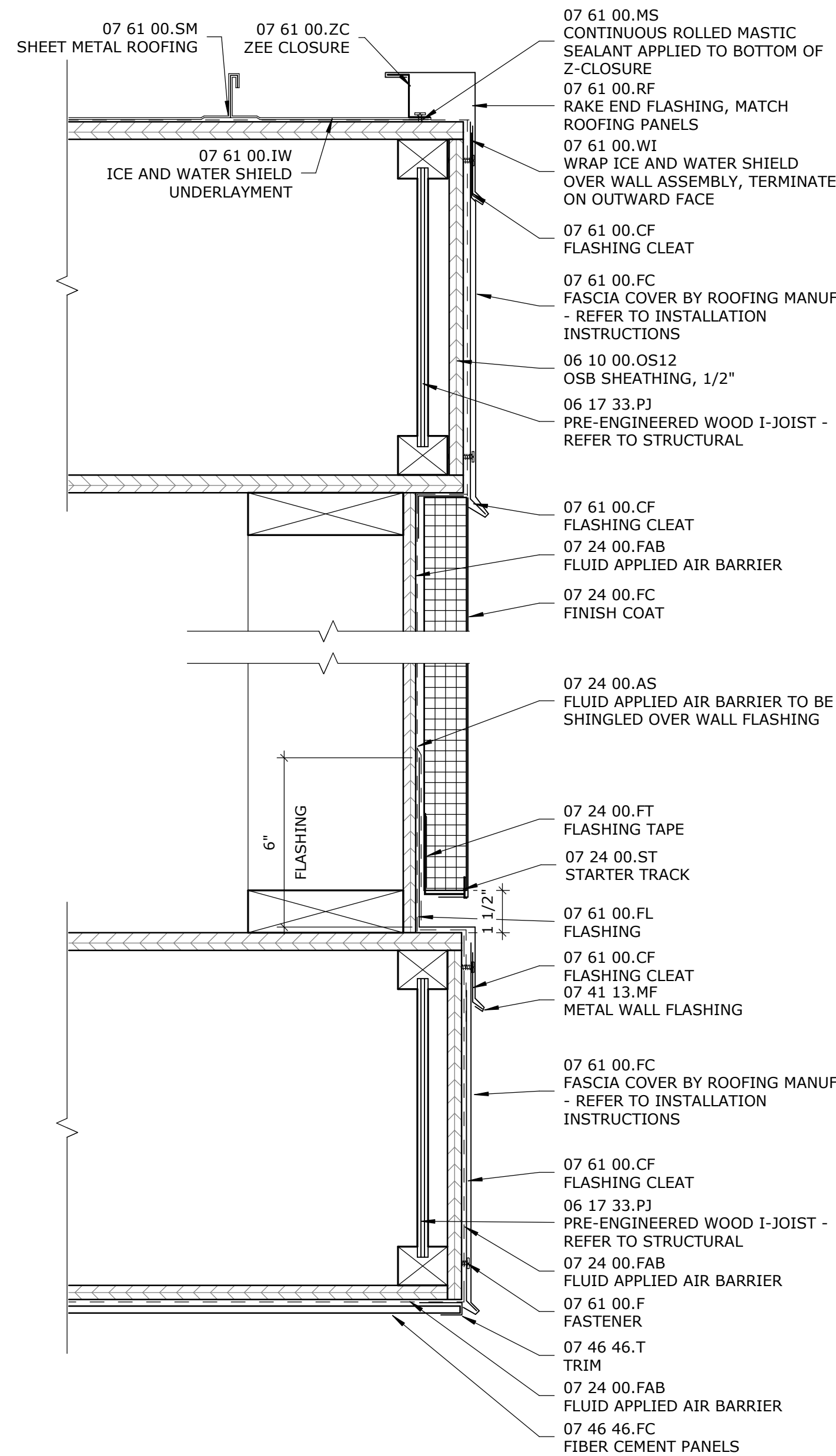
3" = 1'-0"

**E3** LOW/HIGH ROOF INTERSECTION DETAIL

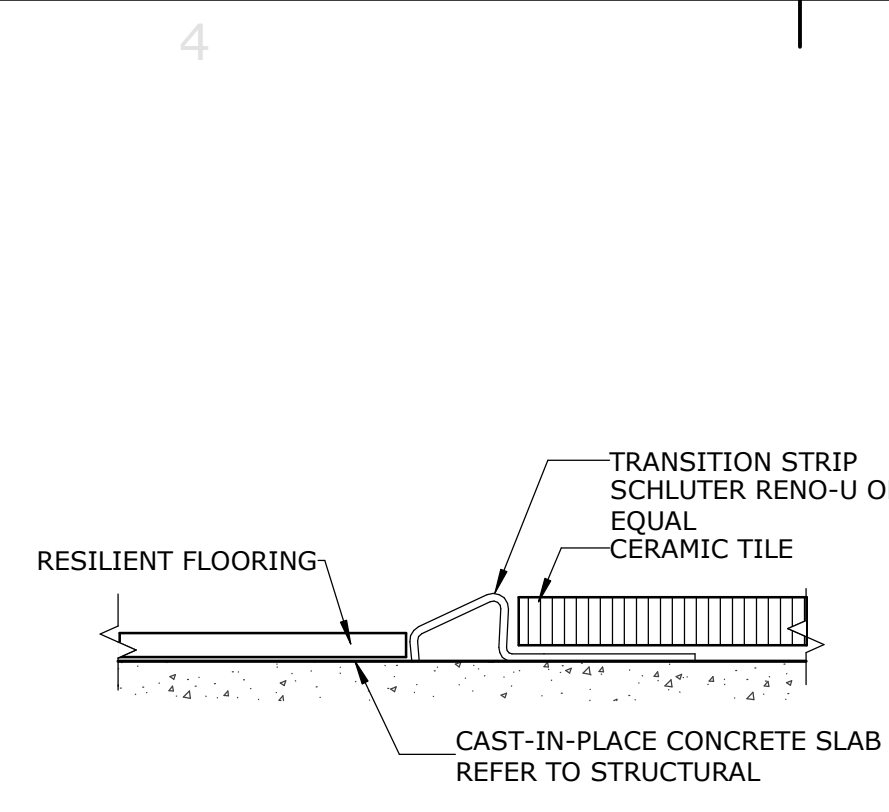
1 1/2" = 1'-0"

**C3** LOW/HIGH ROOF INTERSECTION DETAIL

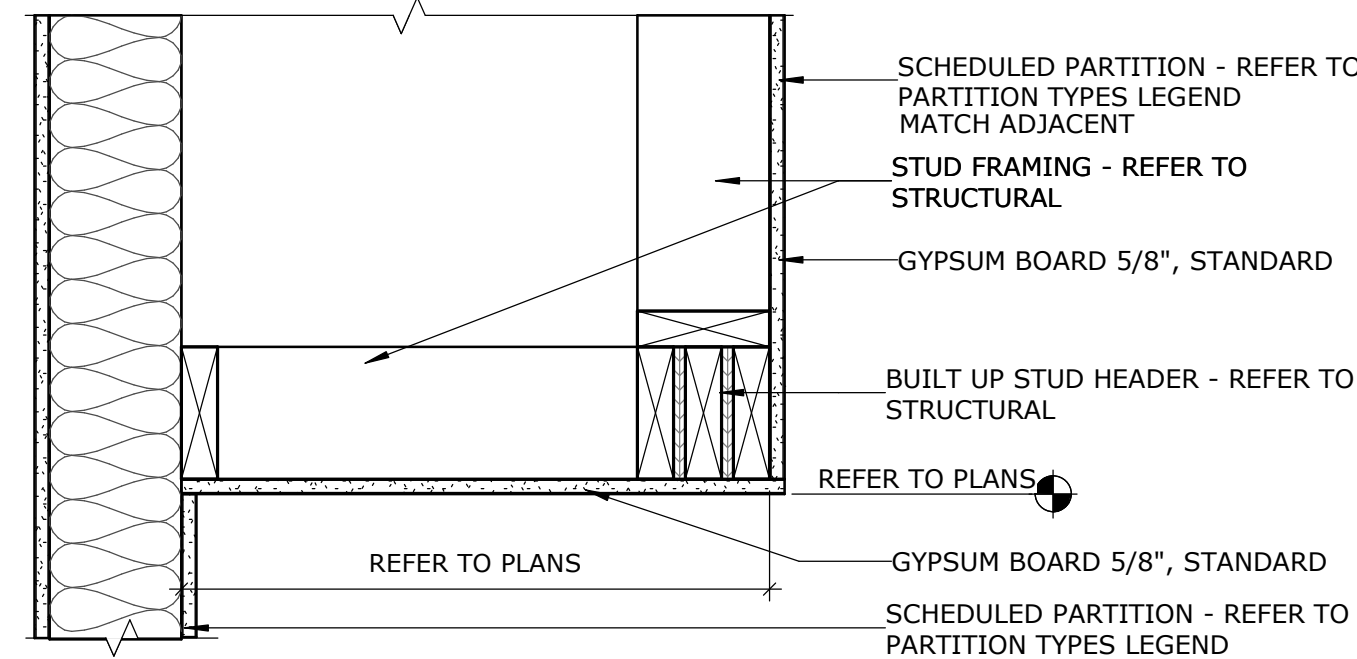
3" = 1'-0"

**A3** DETAIL - ROOF INTERSECTION WALL

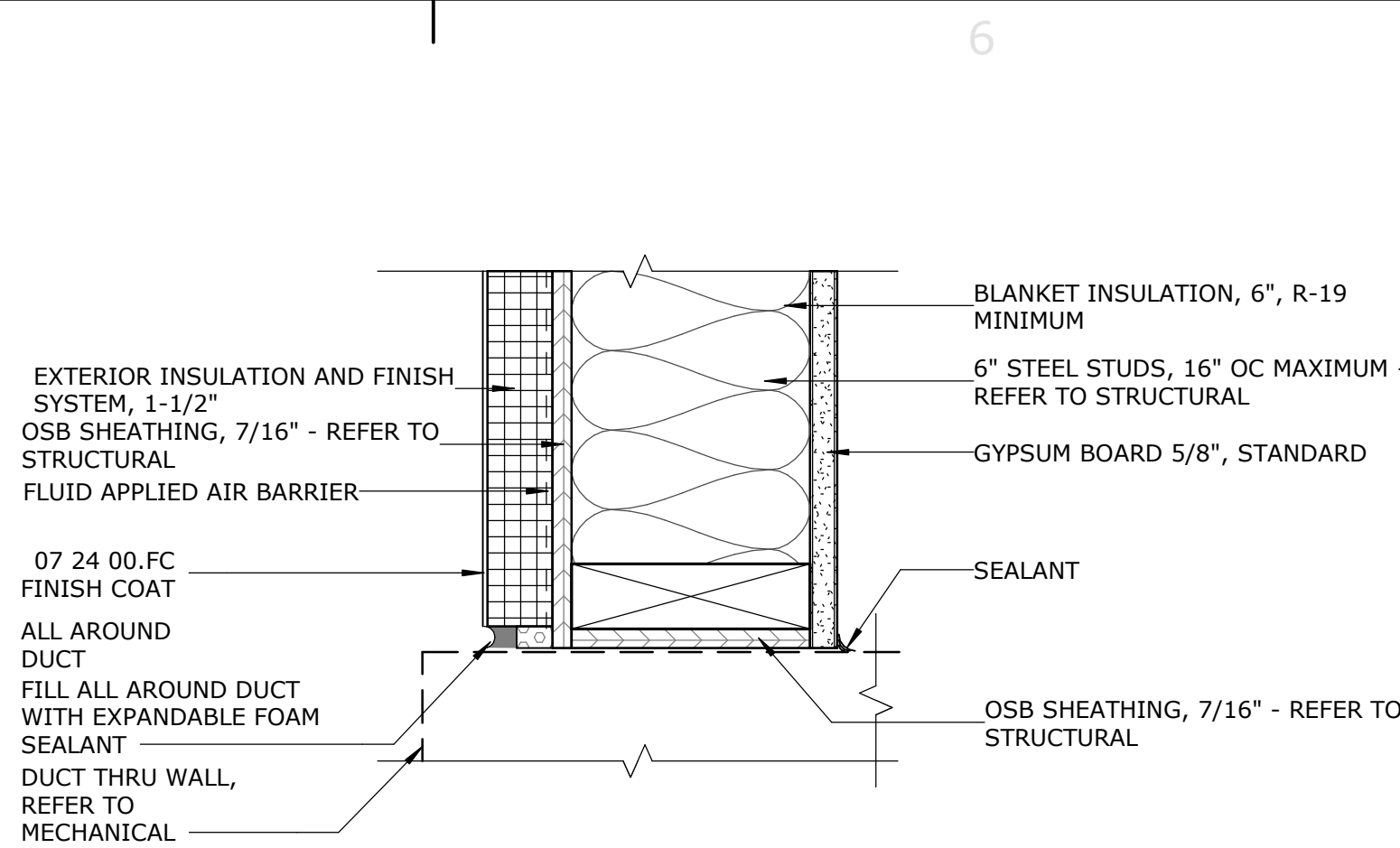
3" = 1'-0"

**E4** FLOOR TRANSITION - RESILIENT TO TILE

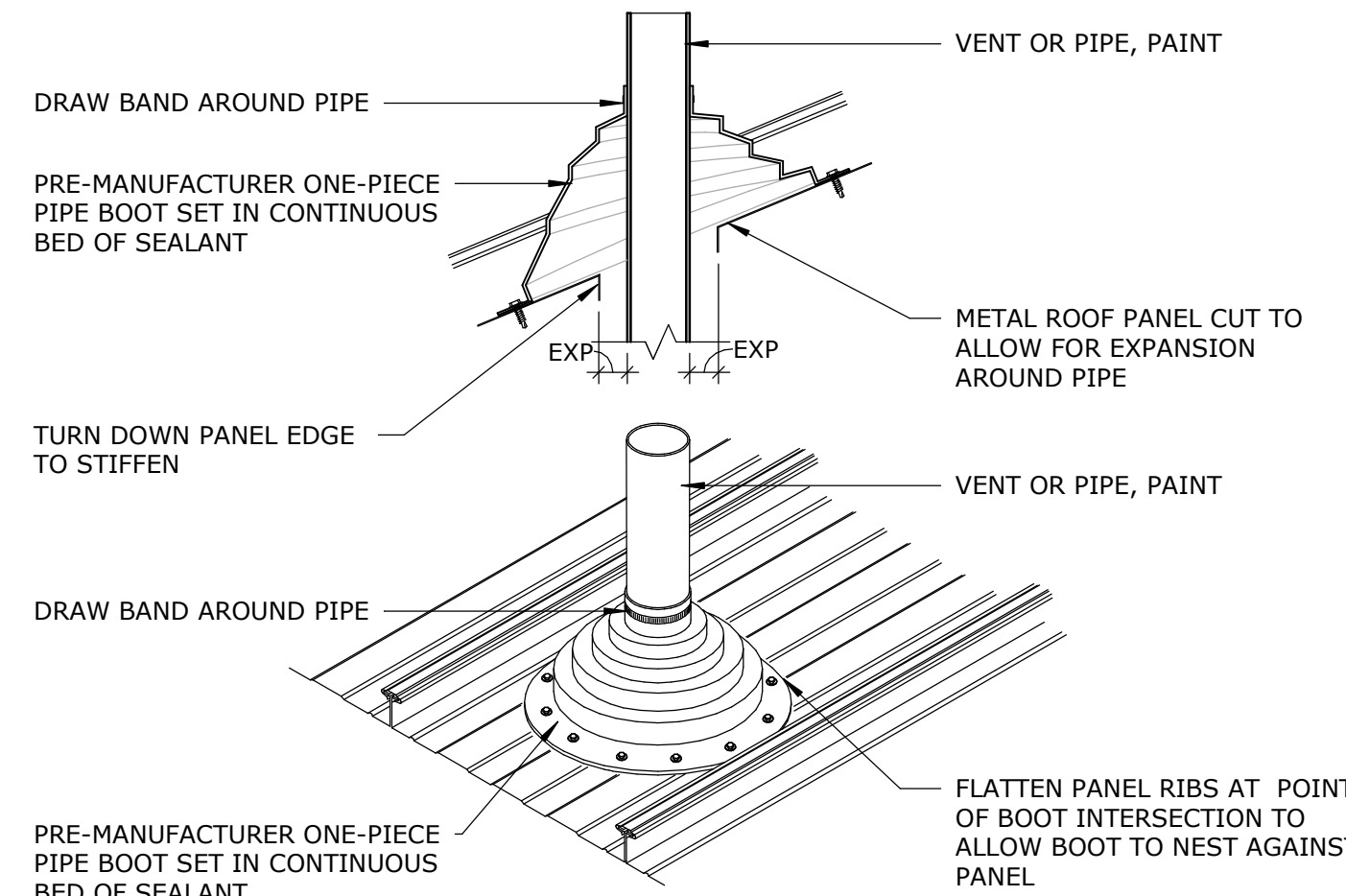
12" = 1'-0"

**D4** GYP SOFFIT DETAIL

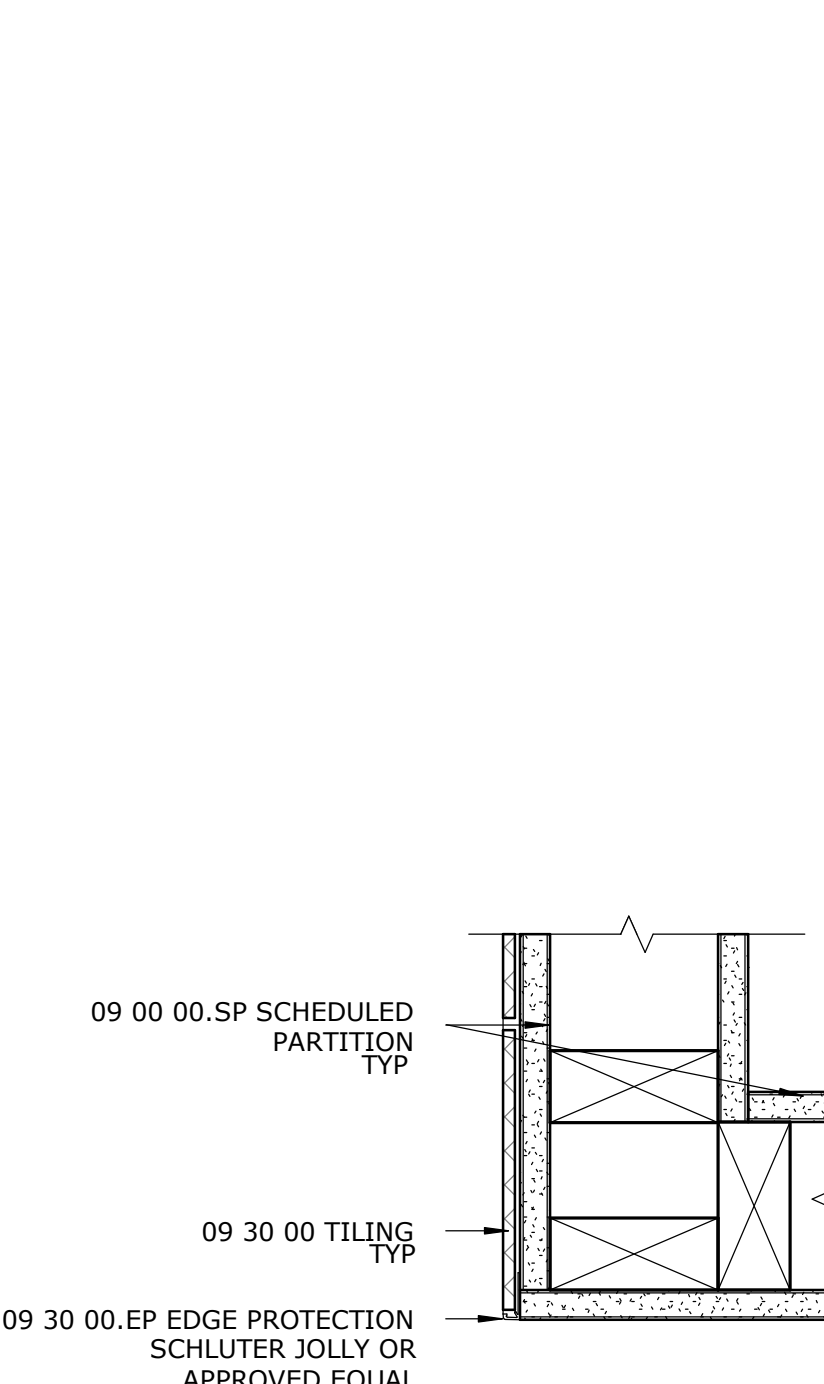
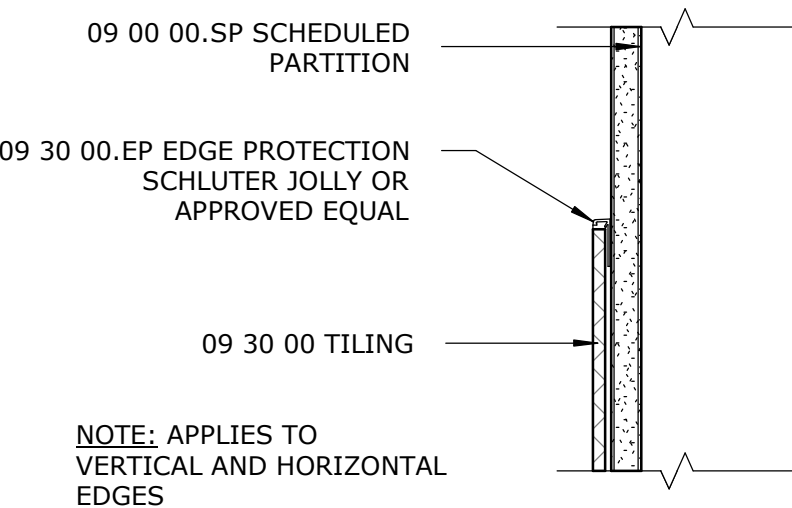
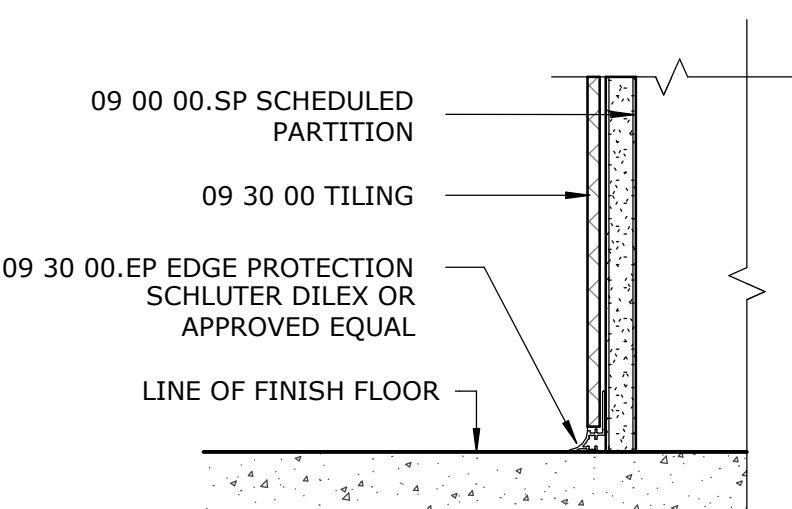
1 1/2" = 1'-0"

**E6** DUCT THRU WALL DETAIL

3" = 1'-0"

**D6** PENETRATION FLASHING

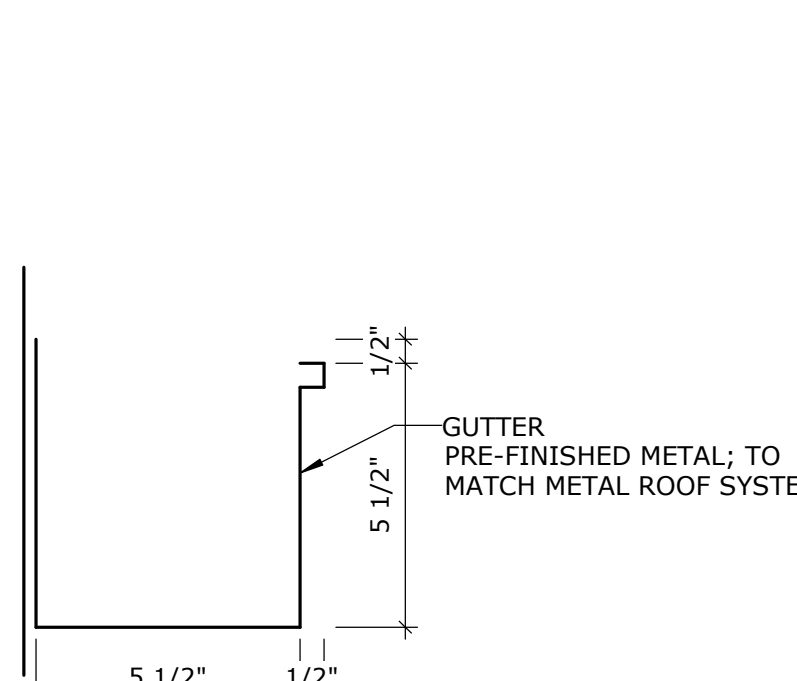
1 1/2" = 1'-0"

**OUTSIDE CORNER****EXPOSED
EDGE****WALL
BASE****A5** TILE EDGE PROTECTION

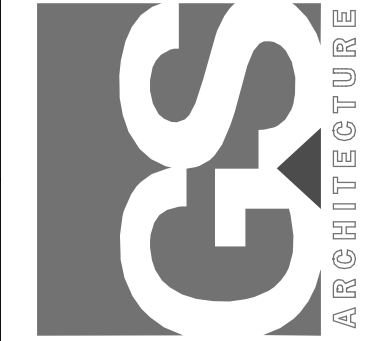
3" = 1'-0"

B6 DOWNSPOUT DETAIL

3/4" = 1'-0"

**A6** GUTTER PROFILE DETAIL

3" = 1'-0"



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SHEET TITLE	DETAILS-GENERAL

1. ELEMENTS MAY BE SHOWN SLIGHTLY OFFSET FOR CLARITY.
2. INSTALL BUILDING MATERIALS PER MANUFACTURERS INSTRUCTIONS
3. SHINGLE ELEMENTS TO PREVENT WATER PENETRATION.


1. ELEMENTS MAY BE SHOWN SLIGHTLY OFFSET FOR CLARITY.
2. INSTALL BUILDING MATERIALS PER MANUFACTURERS INSTRUCTIONS
3. SHINGLE ELEMENTS TO PREVENT WATER PENETRATION.

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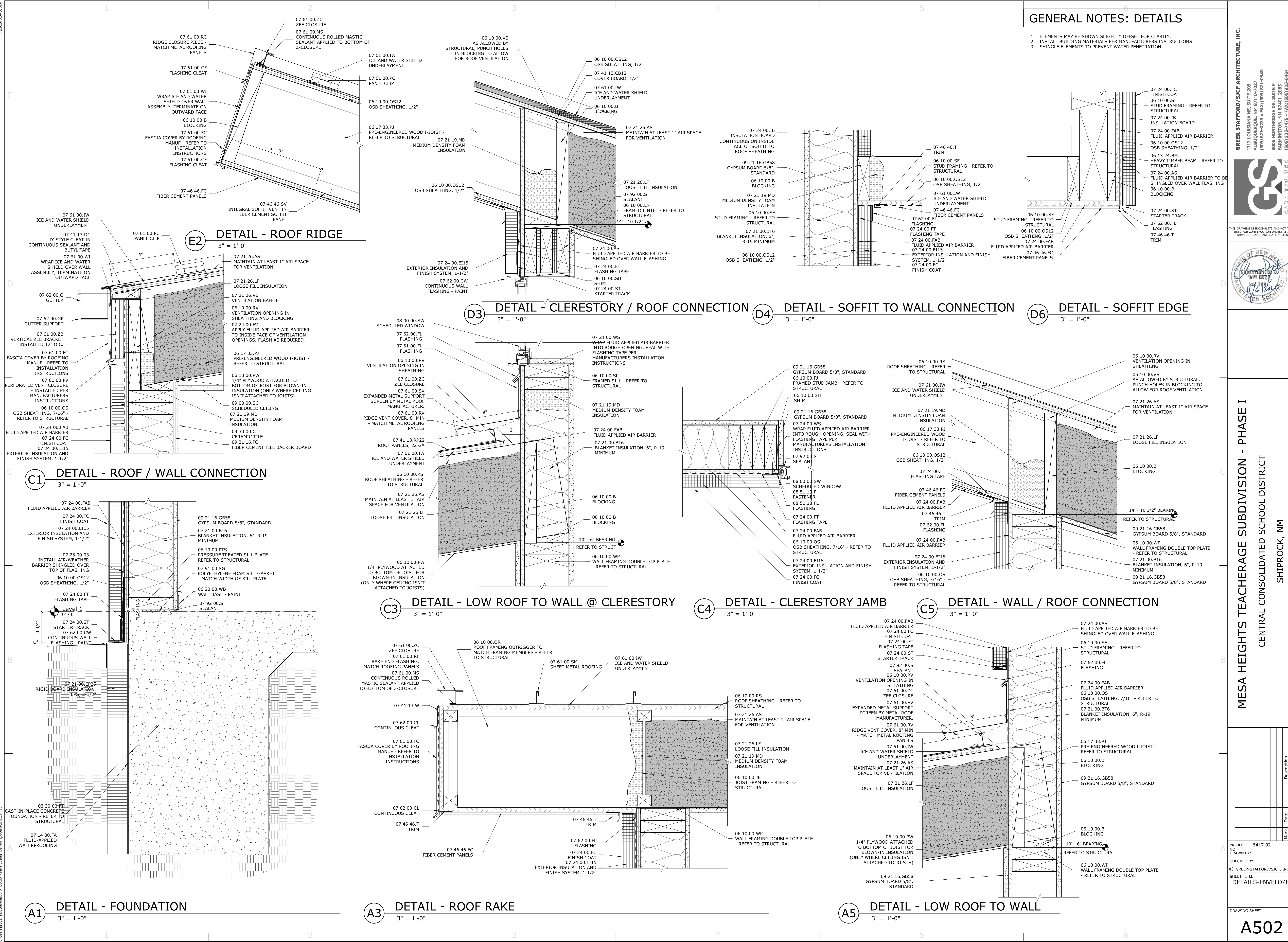
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[illegible]

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DETAILS-ENVELOPE	

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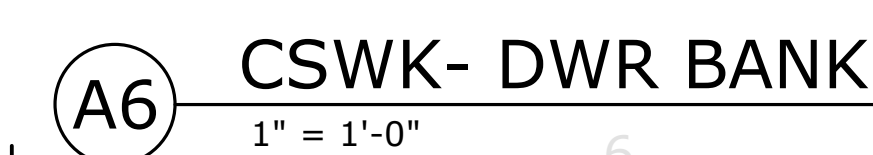
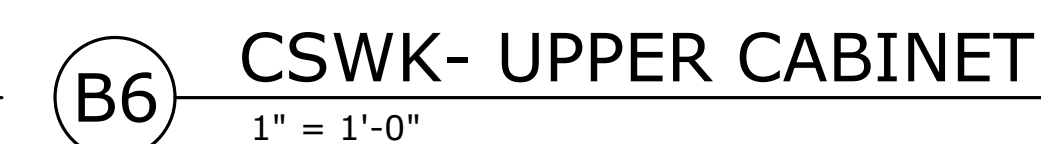
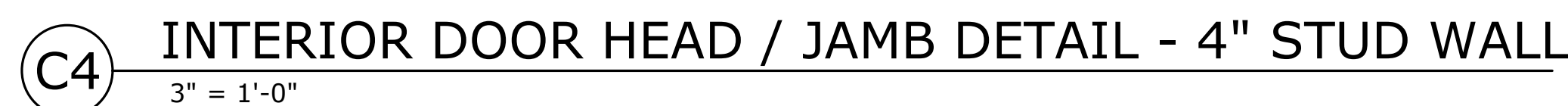
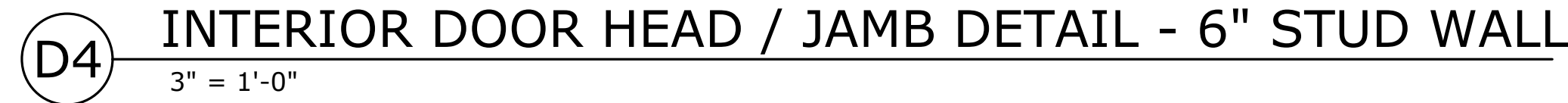
A502



1. ELEMENTS MAY BE SHOWN SLIGHTLY OFFSET FOR CLARITY.
2. INSTALL BUILDING MATERIALS PER MANUFACTURERS INSTRUCTIONS
3. SHINGLE ELEMENTS TO PREVENT WATER PENETRATION.

[illegible]

A503



KEYED NOTES

	FLOOR
22.02	3/4"WC, 3/4"HWIR, 3/4"WDW DROP TO GAS FIRED TANK WATER HEATER (WH). SEE DETAIL.
22.04	3/4"WC, 3/4"HWIR, 3/4"WDW DROP TO WATER CLOSING.
22.05	1/2"WC, 1/2"HWIR DROP TO LAVATORY. CONNECT VIA THERMOSTATIC MIXING VALVE (TMV).
22.06	1/2"WC, 1/2"HWIR DROP TO SHOWER/BATHUB.
22.09	3/4"WC RISE TO HOUSE BIB AT 2' ABOVE GRADE.
22.10	BELOW FLOOR WATER PIPING TO BE CONTINUOUS GLE TUBING WITH NO JOINTS BELOW SLAB. TYP.
22.11	3"WD DOWN, 2"YR RISE FROM WATER CLOSING.
22.12	2"WD DOWN, 1-1/2"YR RISE FROM LAVATORY.
22.13	2"WD DOWN, 2"YSLAND VENT. SEE DETAIL.
22.14	2"WD DOWN, 2"YR RISE FROM FLOOR/SHOWER DRAIN.
22.15	2"WD DOWN, 2"YR RISE FROM BATHUB DRAIN.
22.16	2"WD DOWN, 1-1/2"YR RISE FROM WASHBASIN BOX (WB). SEE DETAIL.
22.19	3/4"WC, 3/4"HWIR DROP TO WASHIN BOX. SEE DETAIL.
22.21	2-WAY CLEANOUT. SEE DETAIL.
22.22	2"YR RISE IN WALL FROM BELOW FLOOR.
22.23	2"YR RISE UP TO 3"YTR.
22.24	2"YR RISE UP TO 4"YTR.
22.26	3/4" GAS DOWN TO FURNACE.
22.38	1" GAS OFFSET INTO BUILDING ABOVE GRADE. SEE GAS METER DETAIL. OFFSET 3/4" GAS IN EXTERIOR WALL TO RANGE, 3/4" GAS TO WH3 WATER HEATER, AND 3/4" GAS RISE TO ABOVE GRADE.
22.39	3/4"WC, 3/4"HWIR UP IN WALL FROM BELOW GRADE. EXTEND 3/4"WC, 3/4"HWIR TO FIXTURES PER SCHEDULE AND 3/4"WC, 3/4"HWIR DOWN TO BELOW GRADE. SEE DETAIL.
22.40	1/2"WC, 1/2"HWIR DOWN IN WALL TO SHOWER.
22.42	WATER MANHOLE WITH ISOLATION VALVES LOCATED IN WALL. PROVIDE ACCESS PANEL. SEE DETAIL.
22.45	ROUTE 3/4" GAS IN EXTERIOR SOFFIT.
22.46	3/4"HWIR DOWN, 3/4"HWIR RISE IN WALL. SEE DETAIL.
22.47	3/4"WC, 3/4"HWIR UP IN WALL FROM BELOW GRADE. EXTEND 3/4"WC, 3/4"HWIR TO FIXTURES PER SCHEDULE AND 3/4"HWIR DOWN TO BELOW GRADE. SEE DETAIL.
22.48	3/4"WC, 3/4"HWIR RISE TO 2' ABOVE GRADE. EXTEND 3/4"HWIR DOWN TO BELOW SLAB.
22.51	ROUTE 3/4" CONDENSATE DRAIN FROM FURNACE COOLING COIL DOWN TO FLOOR DRAIN. TERMINATE WITH ELBOW TURNED DOWN AND AIR GAP.
22.62	GAS PRESSURE REGULATOR AND METER BY UTILITY COMPANY. SEE GAS METER DETAIL. ON 1" GAS METER TO BE INSTALLED AT LOT 1 ONLY. METER TO BE FUTURE INSTALLATION ON ALL OTHER LOTS. SEE SITE PLAN FOR LOT NUMBERS.

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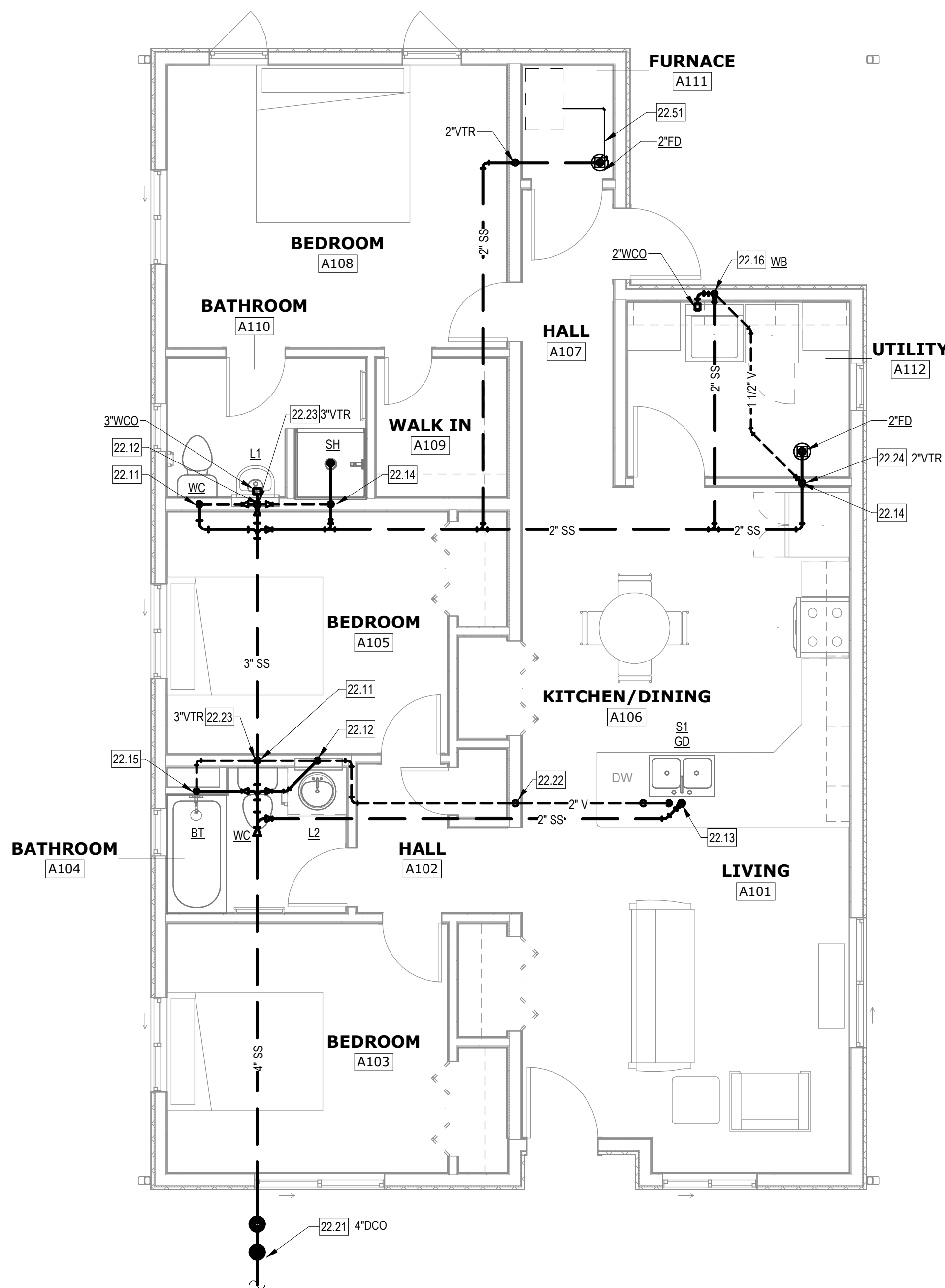
MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
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SHIPROCK, NM

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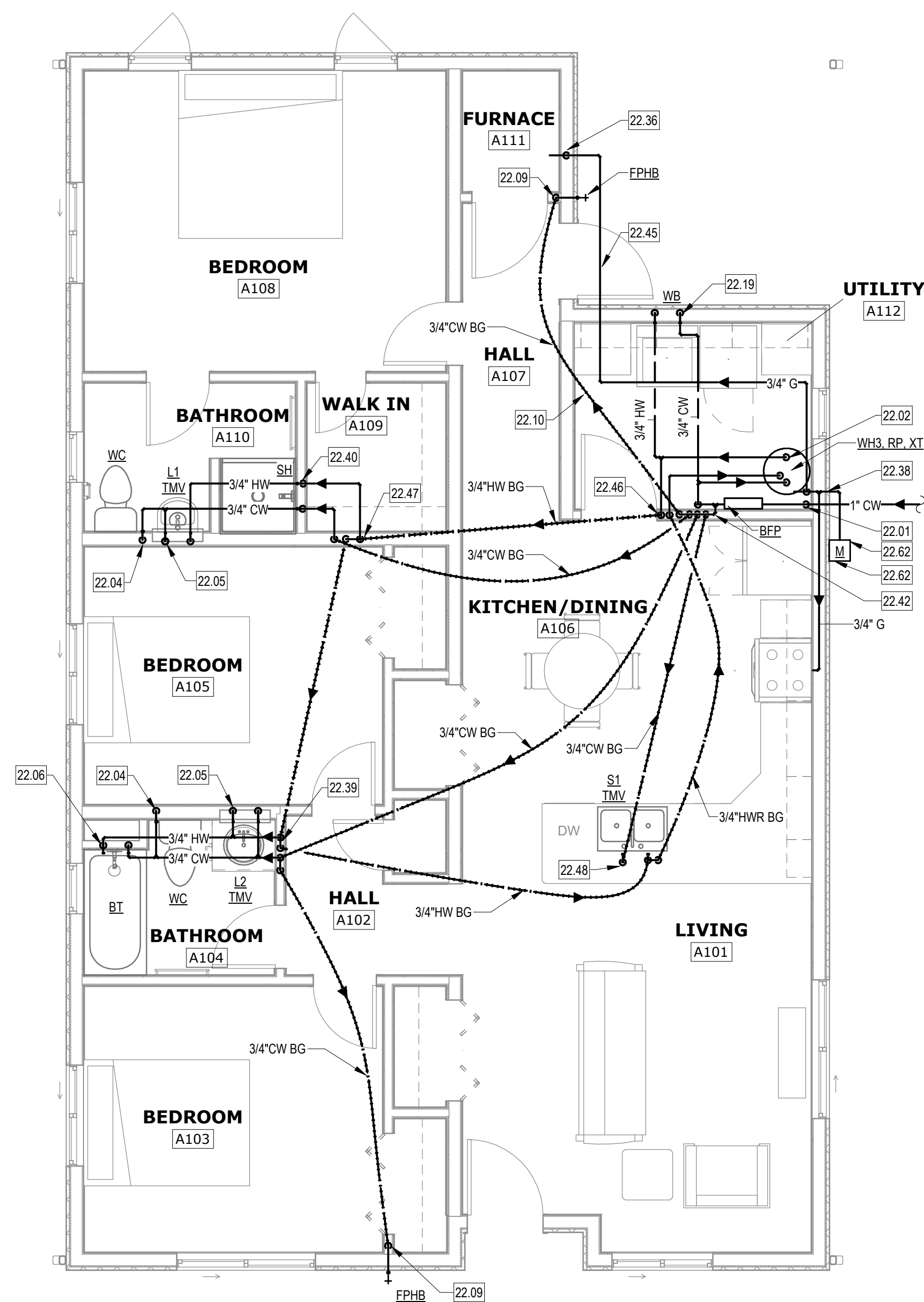
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SHEET TITLE
PLUMBING PLANS -
BEDROOM - UNIT
PRICE A

DRAWING SHEET

P101



(A2) PLUMBING PLAN - WASTE AND VENT - 3 BEDROOM
1/4" = 1'-0"



(A4) PLUMBING PLAN - DOMESTIC WATER - 3 BEDROOM
1/4" = 1'-0"

KEYED NOTES

FLOOR.

22.02 3/4"CW, 3/4"HWR, 3/4"H DRW TO GAS FIRED TANK WATER HEATER (WH). SEE DETAIL.

22.04 3/4"CW DRW TO WATER CLOSET.

22.05 12"CW, 12"H DRW TO LAVATORY. CONNECT VIA THERMOSTATIC MIXING VALVE (TMV).

22.06 12"CW, 12"H DRW TO SHOWER/BATHUB.

22.09 3/4"CW RISE TO HOSE BIB AT 2' ABOVE GRADE.

22.10 BELOW FLOOR WATER PIPING TO BE CONTINUOUS PEX TUBING WITH NO JOINTS BELOW SLAB TOP.

22.11 3"W DOWN, 2" RISE FROM WATER CLOSET.

22.12 2"W DOWN, 1-1/2" RISE FROM LAVATORY.

22.13 2"W DOWN, 2 1/2" SLANT VENT. SEE DETAIL.

22.15 2"W DOWN, 2" RISE FROM BATHUB.

22.18 3/4"CW RISE FROM WATER ENTRANCE.

22.19 3/4"CW, 3/4"H DRW TO WASHER BOX (WB). SEE DETAIL.

22.21 2"WAY CLEANOUT. SEE DETAIL.

22.22 2" RISE IN WALL FROM BELOW FLOOR.

22.24 2" RISE UP TO 2" VTR.

22.34 3/4" GAS DOWN TO WATER HEATER.

22.35 3/4" GAS DOWN TO RANGE.

22.36 3/4" GAS DOWN TO FURNACE.

22.39 3/4"CW, 3/4"H UP IN WALL FROM BELOW GRADE. EXTEND 3/4"CW, 3/4"H TO FIXTURES PER SCHEDULE 4 AND 3/4"CW, 3/4"H DOWN TO BELOW GRADE. SEE DETAIL.

22.42 WATER MANHOLE WITH ISOLATION VALVES LOCATED IN WALL. PROVIDE ACCESS PANEL. SEE DETAIL.

22.48 3/4"CW, 3/4"H RISE TO S1 SINK. EXTEND 3/4"HWR DOWN TO BELOW SLAB.

22.49 1" GAS IN BUILDING ABOVE GRADE. OFFSET 3/4" GAS IN EXTERIOR WALL TO RANGE AND 1/2" GAS RISE TO ABOVE CEILING.

22.50 COORDINATE ALL PLUMBING IN THIS WALL WITH ELECTRICAL PRIOR TO ROUGH-IN AND UNDER-SLAB WORK. ALLOW AT LEAST ONE COMPLETE OPEN STUD BAY BETWEEN DOOR AND PIPING TO ACCOMMODATE ELECTRICAL PANEL.

22.51 ROUTE 3/4" CONDENSATE DRAIN FROM FURNACE COOLING COIL DOWN TO FLOOR DRAIN. TERMINATE WITH ELBOW TURNED DOWN AND AIR GAP.

22.52 GAS PRESSURE REGULATOR AND METER BY UTILITY COMPANY. SEE GAS METER DETAIL ON SHEET 2. GAS METER TO BE INSTALLED WITHIN 10' ONLY. METER TO BE FUTURE INSTALLATION ON ALL OTHER LOOTS. SEE SITE PLAN FOR LOT NUMBERS.



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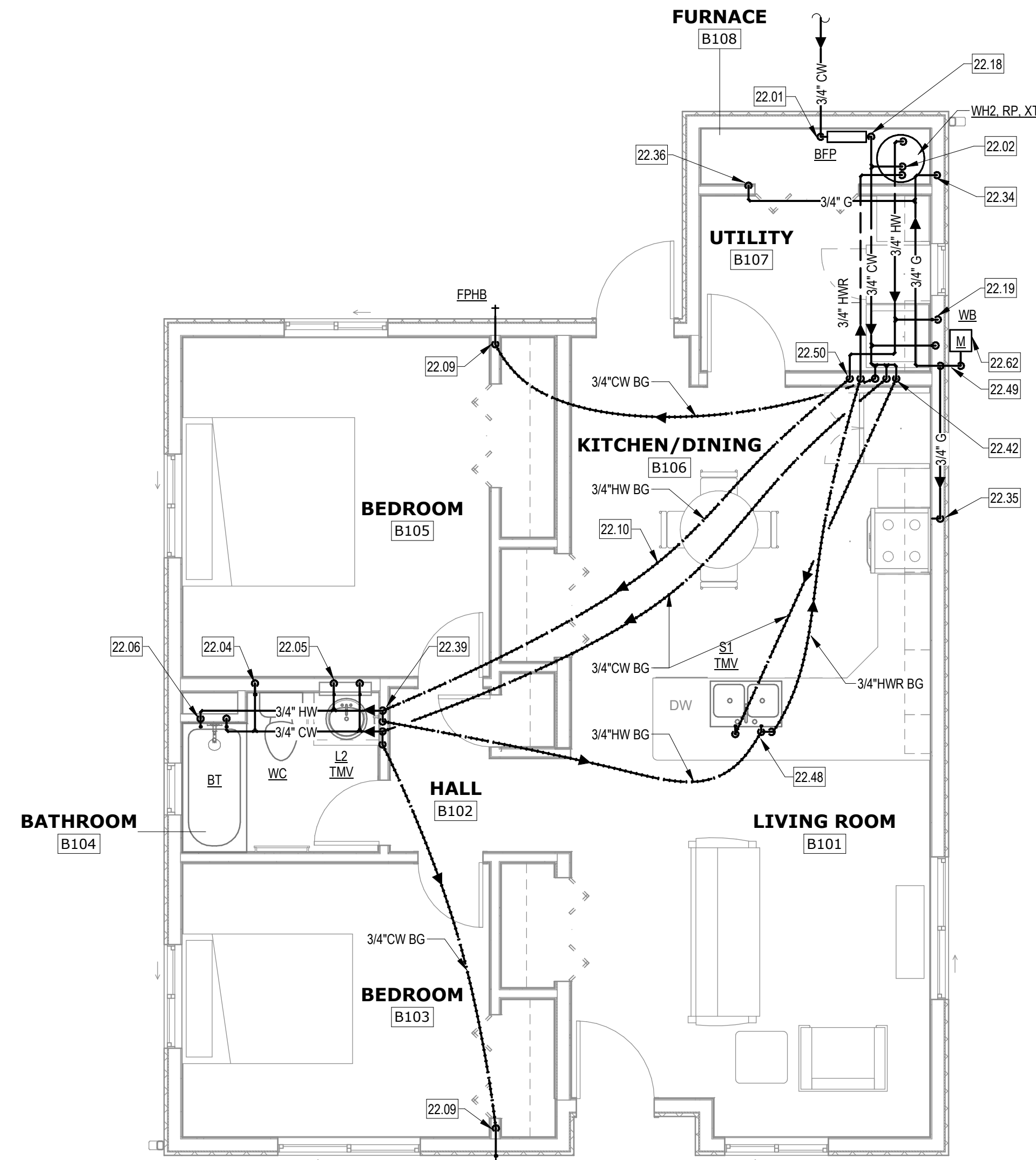
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SHEET TITLE
PLUMBING PLANS - 2
BEDROOM - UNIT
PRICE B

DRAWING SHEET

P102

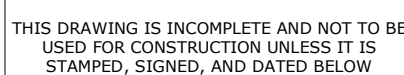


PLUMBING PLAN - WASTE AND VENT - 2 BEDROOM

PLUMBING PLAN - DOMESTIC WATER - 2 BEDROOM

KEYED NOTES

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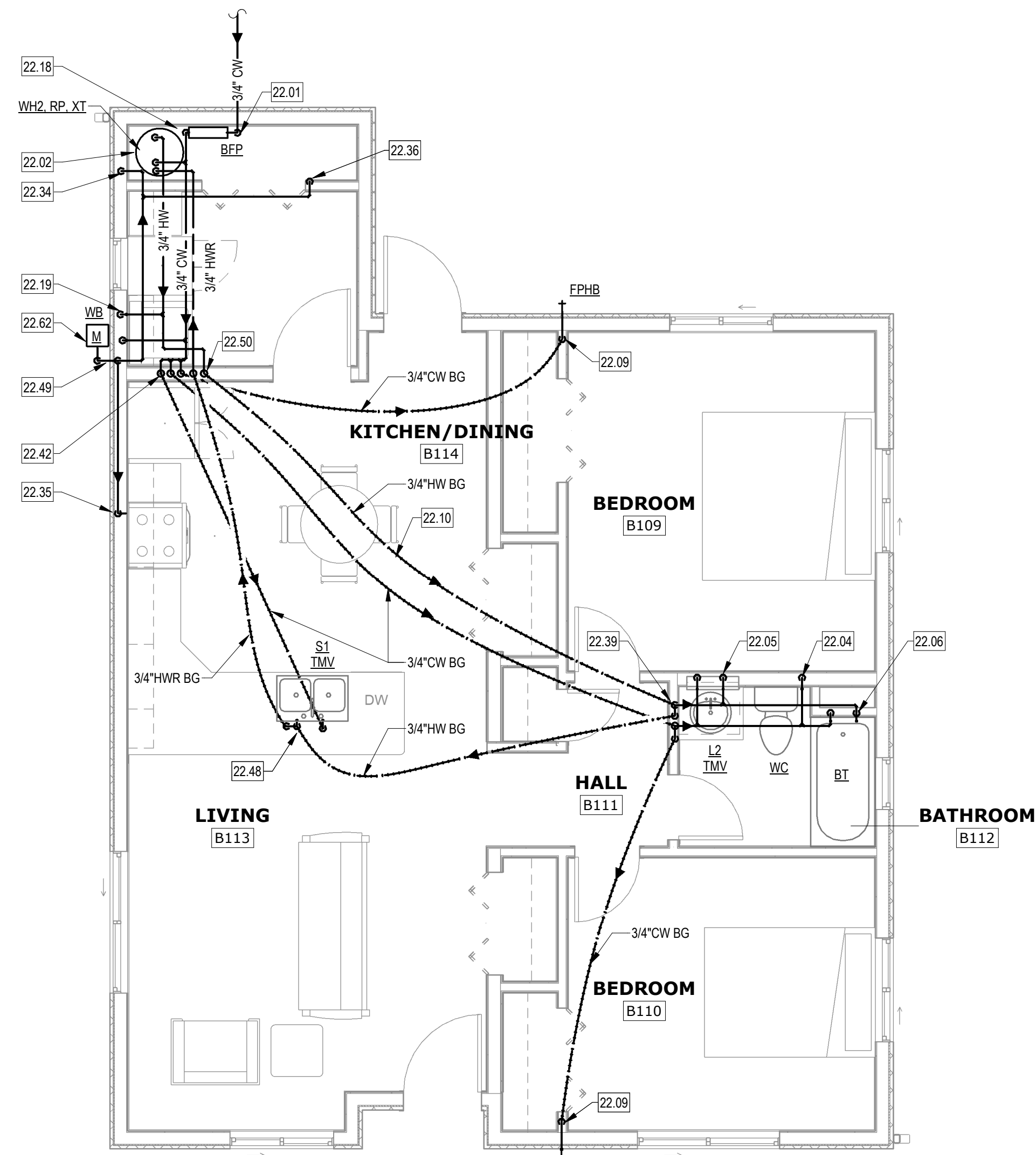


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SHEET TITLE	
PLUMBING PLANS - 2	
BEDROOM	
(MIRRORED) - UNIT	
PRICE C	
DRAWING SHEET	

P103



A4 PLUMBING PLAN - DOMESTIC WATER - 2 BEDROOM (MIRRORED)
1/4" = 1'-0"



5

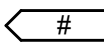


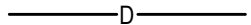

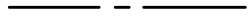
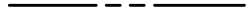






















PLUMBING SCHEDULE

BFP	BACKFLOW PREVENTER, DUAL CHECK, LEAD FREE CAST COPPER BODY, ASSE STANDARD 1024, "WATTS" MODEL LF7R
BT	BATHTUB: 60" 30" 14" HIGH, WHITE ENAMELED STEEL SKIRTED TUB WITH INTEGRAL OVERFLOW, ALCOVE TYPE INSTALLATION FITTED WITH "DELTA" T14432 ASSE 1/6" SINGLE HANDLE CHROME PLATED FAUCET, 1/2" BALANCING VALVE, DIVERTER STOP AND 1/2" GPM SHOWER HEAD, FURNISH COMPLETE WITH GRID DRAIN ASSEMBLY. "AMERICAN STANDARD" 2391.022 (RIGHT SIDE DRAIN), 2390.022 (LEFT SIDE DRAIN) WASTE = 2", VENT = 1 1/2 IN., CW & HW = 1 1/2 IN.
CO	INTERIOR FLOOR CLEAN-OUT: CAST IRON CLEAN OUT WITH THREADED ADJUSTABLE HOUSING, 5/8 IN. HUB OUT WITH 1/2 IN. BORE ERRILLE WITH PLUS AND ROUND SCORRIED CAST IRON, POLISHED NICKEL TRAP, TRAP TOP "ZURN" MODEL ZB-1400 (VERIFY SURFACE TYPE)
FD	FLOOR DRAIN: CAST IRON FLOOR DRAIN WITH TRAP PRIMER CONNECTION AND TRAP GUARD, SECURED TOP, NICKEL BRONZE STRAINER, EXTENSION ADAPTER MAY BE REQUIRED, CONTINUATOR TO VERIFY AND INCLUDE IF NECESSARY. "ZURN" MODEL Z-415-W/1/2" B STRAINER WASTE = 2", VENT = 2 IN.
FPBH	HOSE BIBB: FREEZELESS, AUTOMATIC DRAINING, WALL HYDRANT: BRASS WITH POLISHED CHROME PLATED CASTING, METAL HAND OPERATED, CHROME PLATED VACUUM BREAKER, 3/4" IPT "WOODCOFF" MODEL 17
GO	EXTERIOR GRADE CLEANOUT: PVC OR ABS FEMALE ADAPTER WITH CLEANOUT PLUG, LOCATED 2 IN. BELOW GRADE
GD	GARBAGE DISPOSAL: CONTINUOUS FEED, GALVANIZED STEEL GRINDING ELEMENTS, WITH DOWNSHOWER PORT AND FACTORY CORD AND PLUG, MODEL STS-02SN AIR PRESSURE SWITCH ACCESSORY IN-SINKERATOR BADGER 5 ELECTRICAL-120-60/Hz, 1/2HP, 6.3 AMP
L1	LAVATORY: PEDESTAL MOUNTED, VITREOUS CHINA, 4" FAUCET CENTERS, "DELTA" 2532LF-MP CHROME PLATED FAUCET WITH POP-UP DRAIN, 0.5 GPM FLOW RATE "AMERICAN STANDARD" ELEGANCE 045-004 WASTE = 2", VENT = 1 1/2 IN., CW & 1/2 IN.
L2	LAVATORY: COUNTERTOP MOUNTED VITREOUS CHINA, SELF-RIMMING, FRONT OVERFLOW, 4" FAUCET CENTERS, "DELTA" 2532LF-MP CHROME PLATED FAUCET WITH POP-UP DRAIN, 0.5 GPM FLOW RATE "AMERICAN STANDARD" AQUALYN 0475-028 WASTE = 2", VENT = 1 1/2 IN., CW & HW = 1 1/2 IN.
RP	GAS PRESSURE REGULATOR: STRAIGHT THROUGH BODY, DIAPHRAGM TYPE ASSEMBLY WITH INTERNAL RELIEF VALVE, CAST ALUMINUM HOUSING, 3/4" INLET & 1" OUTLET CAST IRON VALVE BODY, 125 PSIG WORKING PRESSURE, 5# INLET PRESSURE, P.W.G. OUTLET PRESSURE "SENSUS" MODEL 143-80
RP	RETURN PUMP: DIRECT DRIVE, SELF LUBRICATING BRONZE BOLT CIRCULATOR, REPLACEMENT CARTRIDGE, NSF LOW NOISE CIRCULATOR, 2 GPM, 3.1 HERTZ ELECTRICAL DATA: 115V-1PH-60Hz, 43 AMPs, 1/40HP "TACO" MODEL 00384
S1	KITCHEN SINK: STAINLESS STEEL TWO COMPARTMENT KITCHEN SINK CONSTRUCTED OF 18 GAUGE TYPE 304 SS, SINGLE HOLE PUNCH WITH "DELTA" 1987B-02 CHROME PLATED SINGLE LEVER FAUCET WITH INTEGRAL SPRAY HEAD, BASKET STRAINER, CHROME PLATED BRASS 1" TRAP AND TAILPIECE "KOHLER" MODEL K-3620-1 WASTE = 2", VENT = 1 1/2 IN., CW & HW = 1 1/2 IN.
S2	SHOWER: ASSE 1016 PRESSURE BALANCING VALVE WITH LEVER HANDLE, INTEGRAL STOPS, 1.5 GPM FLOW RATE, "DELTA" T14232 SHOWER VALVE AND SPRAY HEAD, INTEGRAL STOPS, 1.5 GPM FLOW RATE, "STERLING" 72101000 NOMINAL .36" 36" 12" HIGH MODLED VIKRILL (WHITE) 3-WALL MODULAR SHOWER AND BASE WASTE = 2", VENT = 1 1/2 IN., CW & HW = 1 1/2 IN.
TMV	THERMOSTATIC MIXING VALVE: 1/2" (SEE PLAN FOR SIZE) ASSE 1077-000T USE MIXING VALVE, SET AT 105°F, COLD WATER 50°F, HOT WATER 140°F "WATTS" MODEL LFMVW
WB	WASHER BOSS: PACKAGED WASHER BOSS, 20 GA. GALVANIZED BOSS, BALL VALVES WITH WATER HAMMER ARRESTORS, TIEWED WATER OUTLET, TOP OR BOTTOM WATER SUPPLIES "GRU" GARY" MODEL WB200A WASTE = 2", VENT = 1 1/2 IN., CW & HW = 1 1/2 IN.
WC	TANK TYPE WATER CLOSET: VITREOUS CHINA, CLOSE-COUPLED, SIPHON JET ELONGATED BOWL, BOLT CAPS, 1.67 1 GALLON DUAL FLUSH, TOP PUSHBUTTON OPERATOR, 16-1/2" RIM HEIGHT, CLOSED FRONT SEAT AND COVER "DELTA" D43900 WASTE = 3", VENT = 2 IN., CW = 3/4 IN.
WCO	WALL CLEANOUT: BRASS PLUG WITH ROUND STAINLESS STEEL SECURED ACCESS COVER, SEE PLAN FOR SIZE "ZURN" MODEL Z-1468
WH2	GAS-FIRED WATER HEATER: DIRECT VENT, GLASS LINED 40 GALLON TANK, 150 PSI WORKING PRESSURE, .65 IEER, ELECTRONIC GAS CONTROL, 40,000 BTU/H NATURAL GAS INPUT, 41 GPH RECOVERY AT 90 DEGREE RISE, ASHRAE/IES 90.1 COMPLIANT, 6 YEAR WARRANTY "STATE" MODEL 658 0 YRDS
WH3	GAS-FIRED WATER HEATER: DIRECT VENT, GLASS LINED 50 GALLON TANK, 150 PSI WORKING PRESSURE, .65 IEER, ELECTRONIC GAS CONTROL, 50,000 BTU/H NATURAL GAS INPUT, 51 GPH RECOVERY AT 90 DEGREE RISE, ASHRAE/IES 90.1 COMPLIANT, 6 YEAR WARRANTY "STATE" MODEL 659 0 YRDS
XT	EXPANSION TANK: POTABLE WATER USE, 10 MAX. WORKING PRESSURE, 2.0 GALLONS TOTAL VOLUME, ASSE, 15 PSI PSI VACUITY PROTECTOR "AMTROL" MODEL ST-5C

6

PLUMBING GENERAL NOTES

1. COMPLETE ALL WORK IN FULL COMPLIANCE WITH THE UPC, UIC, IBC, LIFE SAFETY CODE, N.F.P.A. AND ALL LOCAL CODES AND ORDINANCES.
2. CAREFULLY LAAYOUT AND INSTALL THE PLUMBING SYSTEMS INCLUDING ALL COORDINATION WITH NEW AND EXISTING SYSTEMS, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL EQUIPMENT, CONDUIT, CEILING GRID, AND ANY OTHER EQUIPMENT THAT MAY REQUIRE COORDINATION EFFORTS. COORDINATE TEMPORARY CUT-OFF OF WATER AND SEWER WITH UTILITY PROVIDERS. PROVIDE THE NECESSARY MATERIALS INCLUDING CUTTING, PATCHING, REPAIRING, ETC. ASSOCIATED WITH THE INSTALLATION OF THE PLUMBING SYSTEM SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS.
3. VERIFY ALL INVERTS BEFORE ROUTING ANY AND ALL PIPING. NO COMPENSATION WILL BE MADE FOR THE CONTRACTOR'S FAILURE TO COORDINATE WORK WITH SITE CONDITIONS. BECOME FAMILIAR WITH ALL ASPECTS OF THE WORK AND ALL CONSTRAINTS AND LIMITATIONS OF THE WORK REQUIRED.
4. ROUTE PIPING AS NEARLY AS POSSIBLE TO THE ROUTING INDICATED ON THE PLANS, BUT MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE THE CONDITIONS AT THE SITE. DO NOT UNDERTAKE MAJOR REROUTING OF PIPING WITHOUT WRITTEN APPROVAL FROM ARCHITECT. MAKE ALL REQUIRED TRANSITIONS, OFFSETS, MINOR RELOCATIONS, AND ALL ASSOCIATED FITTINGS, PIPING, AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATIONAL SYSTEM.
5. THE PROXIMITY OF WATER AND SEWER LINES SHALL BE AS FOLLOWS, UNLESS WRITTEN APPROVAL FROM THE STATE HEALTH DEPARTMENT SPECIFIES DIFFERENT CONDITIONS: WHENEVER POSSIBLE, IT IS DESIRABLE TO LAY PARALLEL WATER AND SEWER LINES AT LEAST TEN FEET APART HORIZONTALLY, AND THE WATER LINE SHOULD BE AT A HIGHER ELEVATION THAN THE SEWER LINE IF THIS IS NOT POSSIBLE. SEPARATE TRENCHES WILL BE REQUIRED IN ALL CASES (THIS SHALL BE EFFECTIVE EVEN THOUGH ONE LINE HAS BEEN INSTALLED PRIOR TO THE OTHER), AND THE WATER LINE SHALL BE AT LEAST ONE FOOT ABOVE THE SEWER LINE, WHERE LINES INTERSECT THE WATER LINE SHALL BE SLEEVED FOR TEN FEET ON EACH SIDE OF THE INTERSECTION.
6. ALL CONTRACTORS BIDDING ON THIS PROJECT ARE CAUTIONED TO VISIT THE SITE AND MAKE ALL NECESSARY INQUIRIES TO DETERMINE THE EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. NO SUBSEQUENT ALLOWANCE WILL BE MADE TO COMPENSATE FOR LACK OF PRE-BID INSPECTIONS BY THE SUCCESSFUL CONTRACTOR. ANY LINES ENCOUNTERED WHICH MAY INTERFERE WITH NEW CONSTRUCTION SHALL BE RELOCATED IF ACTIVE AND ABANDONED IF INACTIVE BY THIS CONTRACTOR UNDER THIS CONTRACT BY FIRST CONTACTING THE ARCHITECT FOR A RULING AS TO THEIR REMOVAL, RELOCATION, ETC.
7. PROVIDE ACCESS PANELS TO ALL INACCESSIBLE PLUMBING EQUIPMENT.
8. INSULATE ALL ABOVE GRADE PIPING (DOMESTIC HOT, COLD, AND REIRC. WATER) IN THE BUILDING. LABEL PIPE WITH FLUID TYPE AND FLOW DIRECTION.
9. ALL BELOW GRADE WATER PIPING TO BE PRE-INSULATED PEX. SEE SPECIFICATION.
10. INSULATE ALL EXPOSED COLD AND HOT WATER SUPPLY TUBING AND T-TRAPS AT LAVATORIES AND SINKS WITH AN R-4. APPROVED ENCLOSURE. INCLUDE ALL FITTINGS FOR A COMPLETE INSTALLATION.
11. PERFORM PRESSURE TEST OF WASTEWATER/SEWER LINE COMPLETION. COMPLETE A SUCCESSFUL TEST PRIOR TO COVERING THE WORK.
12. PRESSURE TEST, FLUSH AND DISINFECT ALL DOMESTIC WATER PIPING PER CHAPTER 6 OF THE PLUMBING CODE PRIOR TO CALLING FOR FINAL INSPECTION.
13. AFTER ALL PIPING HAS BEEN INSTALLED, TESTED, CLEANED, AND PHOTOGRAPHED, BACKFILL THE SPACE UNDER THE FLOOR AND TAP TO PROCTOR 95%, REPAIR THE REBAR AND PATCH THE CONCRETE IN ACCORDANCE WITH THE CONCRETE SPECIFICATION.
14. ALL PLENUM INSTALLED MATERIALS MUST BE PLENUM RATED OR WRAPPED IN A LISTED SYSTEM TO ACHIEVE A VALUE LOWER THAN 25 FLAME SPREAD AND 50 SMOKE DEVELOPMENT RATING.
15. FUSHLING LEVERS/MECHANISMS SHALL BE PLACED ON THE ACCESSIBLE SIDE OF THE FIXTURE.
16. ALL EXPOSED PIPE WALL PENETRATIONS IN FINISHED SPACES SHALL BE FITTED WITH CHROME PLATED ESCUTCHEONS SECURED RIGIDLY FLUSH WITH WALL SURFACE.
17. ALL EXTERIOR STEEL GAS PIPING SHALL BE PAINTED, COLOR PER ARCHITECT.

PLUMBING SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
	UNIT DESIGNATION
	KEYED NOTE
	POINT OF CONNECTION
	CONDENSATE DRAIN
	VENT
	COLD WATER
	HOT WATER SUPPLY
	GAS (NATURAL)
	MEDIUM PRESSURE GAS
	WASTE
	GAS COCK
	CHECK VALVE
	RELIEF VALVE
	BALL VALVE (BV)
	STRAINER WITH DRAIN VALVE
	UNION
	PRV
	REDUCED PRESSURE BACKFLOW PREVENTER
	FLOOR SINK
	VENT THRU ROOF
	DOUBLE CLEAN OUT
	CLEAN OUT
	FLOOR DRAIN
	REGULATOR
	VALVE IN VALVE BOX
	METER
	BELOW GRADE
	NAVAJO TRIBAL UTILITY AUTHORITY
	MAXIMUM ALLOWABLE OPERATING PRESSURE

NOTE: SYMBOLS ILLUSTRATED ABOVE MAY NOT APPEAR ON THE PLANS

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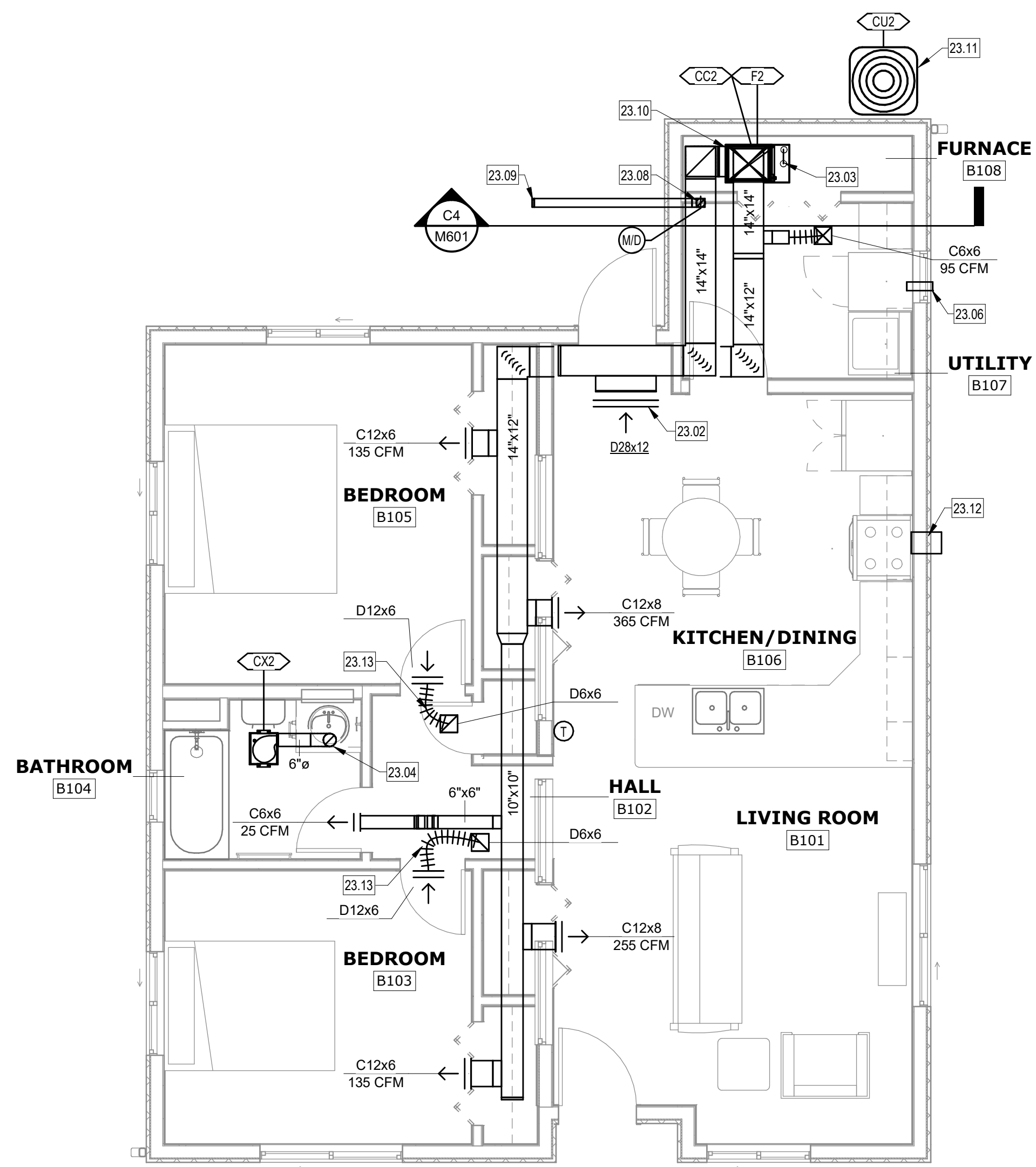
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5

6

KEYED NOTES

23.02	LOCATE RIGGE LOW SIDEWALL OF SOFFIT.
23.03	2" FURNACE COMBUSTION AIR AND VENT PIPES. ROUTE UP THROUGH ROOF AND TERMINATE WITH MANUFACTURERS CONCERNING VENT KIT.
23.04	ROUTE 8" FLEX DUCT OF FURNACE TO ROOF AND TERMINATE WITH ROOF CAP.
23.05	4" DRYER EXHAUST DUCT. TERMINATE WITH WALL CAP WITH NO BIRD SCREEN.
23.08	4" GAS INTAKE DUCT WITH MOTORIZED DAMPER. INTERLOCK DAMPER WITH FURNACE SO DAMPER IS OPEN WHENEVER FURNACE IS RUNNING. BALANCE TO 45 CM.
23.09	TERMINATE DUCT ON CLEVERLY SIDEWALL WITH SECTE WALL CAP WITH INSECT SCREEN.
23.10	FURNACE WITH VERTICAL DUC COOLING COIL. WITH INTAKE ON M601 FOR CONNECTION DUCTS.
23.11	MOUNT CONDENSING UNIT ON 4"X6" CONCRETE PAD THAT EXTENDS 8" BEYOND EACH SIDE OF THE UNIT.
23.12	10"X3-1/4" KITCHEN EXHAUST DUCT CONNECTED TO MICROWAVE VENT OUTLET. TERMINATE WITH WALL CAP PER MANUFACTURERS INSTRUCTIONS.
23.13	CONNECT TRANSFER GRILLS WITH 5" FLEX DUCT.



MECHANICAL PLAN - 2 BEDROOM

$$1/4" = 1'-0"$$

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I

CENTRAL CONSOLIDATED SCHOOL DISTRICT

SHIPROCK, NM

[illegible]

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SHEET TITLE
**MECHANICAL FLOOR
PLAN - 2 BEDROOM -
UNIT PRICE B**

DRAWING SHEET

M102

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2

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6

MECHANICAL PLAN - 2 BEDROOM (MIRRORED)

$$1/4" = 1'-0"$$
[illegible]

M103

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

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E

D

C

B

A

1

SEQUENCE OF OPERATION

FURNACES, COOLING COILS, AND CONDENSING UNITS.

CONTROL: EACH FURNACE SHALL BE CONTROLLED BY A WALL MOUNTED THERMOSTAT. COOLING SETPOINT SHALL BE 75°F AND HEATING SETPOINT SHALL BE 70°F.

VENTILATION: MOTORIZED DAMPER ON OUTSIDE AIR INTAKE DUCT SHALL BE ELECTRICALLY INTERLOCKED WITH FURNACE FAN SO THE DAMPER IS OPEN WHENEVER THE FURNACE FAN IS RUNNING.

DX COOLING: UPON A CALL FOR COOLING THE FURNACE FAN SHALL START AND CONDENSING UNIT SHALL FLOW DX COOLING COIL. FURNACE AND CONDENSING UNIT SHALL CYCLE TO MAINTAIN ROOM SETPOINT.

HEATING: UPON A CALL FOR HEATING THE FURNACE FAN SHALL START AND GAS FIRED HEAT EXCHANGER SHALL FIRE. FURNACE SHALL CYCLE TO MAINTAIN ROOM SETPOINT.

CEILING EXHAUSTERS:

CEILING EXHAUSTERS SHALL EACH BE CONTROLLED BY AN INDIVIDUAL ON/OFF WALL SWITCH.

2

DIFFUSER SCHEDULE

C SIDEWALL SUPPLY GRILLE: STEEL FRAME, HORIZONTAL DEFLECTION VANES WITH OBD, SEE PLAN FOR SIZE AND CFM. NC-30, FIELD PAINT PER ARCHITECT. "KRUEGER" S80H

D SIDEWALL RETURN GRILLE: STEEL CONSTRUCTION, SINGLE DEFLECTION AND OBD, FIELD PAINT. NC-30 "KRUEGER" S80H

DAMPER SCHEDULE

M/D MOTORIZED DAMPER: GALVANIZED STEEL, SPIRAL DUCT AUTOMATIC ROUND CONTROL DAMPER WITH 24 VAC SPRING RETURN ACTUATOR. FIELD CONVERT ACTUATOR TO POWER OPEN, FAIL CLOSED. CLASS 2 MAXIMUM LEAKAGE RATE AT 10 CFM PER 50" FT. AT 1.0 W.C. AMCA 5000 TESTED. PROVIDE 120V/24V TRANSFORMER AND ANY OTHER ELECTRICAL EQUIPMENT NECESSARY TO MAKE A FUNCTIONAL SYSTEM. "RUSKIN" MODEL ARD25

3

FURNACE SCHEDULE 3BR

FURNACE:UPFLOW, 95%+EFF., MULTI SPEED ECM BLOWER, DIRECT VENT/SEALED COMBUSTION, DX COOLING COIL WITH REMOTE OUTDOOR CONDENSING UNIT, SINGLE STAGE NATURAL GAS FIRED, 5,000A.S.L. 1" FILTER RACK WITH 1" MERV13 FILTERS, PROGRAMMABLE THERMOSTAT, "CARRIER"

UNIT NO.	MODEL	MBH COOL	CFM	OUTSIDE AIR CFM	ESP (W.C.)	HEAT MBH INPUT	MCA	MOCP	VOLTS	PHASE	WEIGHT (LBS.)
F3	59SC5B09DE17-14	33.1	1330	45 CFM	0.5	60	12.9	15 A	115 V	1	139

UNIT NO.	MODEL	SERVES	TONS	CFM	P.D.(W.C.)	CONFIGURATION	WEIGHT (LBS.)
CC3	CNFPV4217ALA	F3	3.5	1330	0.3	VERTICAL	55

COOLING COIL SCHEDULE 3BR

COOLING COIL:N-TYPE DX COIL, CASED, CONDENSATE PAN, AND FACTORY INSTALLED TXV, "CARRIER"

UNIT NO.	MODEL	SERVES	TONS	CFM	P.D.(W.C.)	CONFIGURATION	WEIGHT (LBS.)
CC3	CNFPV4217ALA	F3	3.5	1330	0.3	VERTICAL	55

CONDENSING UNIT SCHEDULE 3BR

CONDENSING UNITS: 16.5 SEER REMOTE, AIR-COOLED CONDENSING UNITS FOR USE WITH FURNACE DX COOLING COILS LISTED IN COOLING COIL SCHEDULE. PROVIDE R-410A REFRIGERANT, CRANKCASE HEATER, AND LOW AMBIENT KIT. AMBIENT CONDITIONS = 95°F DB/80°F WB. UNIT TO BE CONTROLLED BY THERMOSTAT PROVIDED WITH FURNACE.

UNIT NO.	MODEL	COOL TON	SERVING UNIT	MCA	MOCP	VOLTS	PHASE	WEIGHT (LBS.)
CU3	24AC0642	3.5	CC3	23.6	40 A	230 V	1	234

CEILING EXHAUSTER SCHEDULE 3BR

CEILING EXHAUSTER: INTEGRAL ALUMINUM GRILLE, BACKDRAFT DAMPER, DISCONNECT SWITCH, DIRECT DRIVE, VIBRATION ISOLATORS, "COOK"

UNIT NO.	MODEL	CFM	ESP (W.C.)	VOLTS	PHASE	WATTS	WEIGHT (LBS.)
CX3-1	GC-146	84	0.25	120	1	29	13
CX3-2	GC-146	84	0.25	120	1	29	13

4

FURNACE SCHEDULE 2BR

FURNACE:UPFLOW, 95%+EFF., MULTI SPEED ECM BLOWER, DIRECT VENT/SEALED COMBUSTION, DX COOLING COIL WITH REMOTE OUTDOOR CONDENSING UNIT, SINGLE STAGE NATURAL GAS FIRED, 5,000A.S.L. 1" FILTER RACK WITH 1" MERV13 FILTERS, PROGRAMMABLE THERMOSTAT, "CARRIER"

UNIT NO.	MODEL	MBH COOL	CFM	OUTSIDE AIR CFM	ESP (W.C.)	HEAT MBH INPUT	MCA	MOCP	VOLTS	PHASE	WEIGHT (LBS.)
F2	59SC5B09DE17-12	29.6	1010	45 CFM	0.5	40	10.3	15 A	115 V	1	127

UNIT NO.	MODEL	SERVES	TONS	CFM	P.D.(W.C.)	CONFIGURATION	WEIGHT (LBS.)
CC2	CNFPV3017ALA	F2	2.5	1010	0.23	VERTICAL	50

COOLING COIL SCHEDULE 2BR

COOLING COIL:N-TYPE DX COIL, CASED, CONDENSATE PAN, AND FACTORY INSTALLED TXV, "CARRIER"

UNIT NO.	MODEL	SERVES	TONS	CFM	P.D.(W.C.)	CONFIGURATION	WEIGHT (LBS.)
CC2	CNFPV3017ALA	F2	2.5	1010	0.23	VERTICAL	50

CONDENSING UNIT SCHEDULE 2BR

CONDENSING UNITS: 16.5 SEER REMOTE, AIR-COOLED CONDENSING UNITS FOR USE WITH FURNACE DX COOLING COILS LISTED IN COOLING COIL SCHEDULE. PROVIDE R-410A REFRIGERANT, CRANKCASE HEATER, AND LOW AMBIENT KIT. AMBIENT CONDITIONS = 95°F DB/80°F WB. UNIT TO BE CONTROLLED BY THERMOSTAT PROVIDED WITH FURNACE.

UNIT NO.	MODEL	COOL TON	SERVING UNIT	MCA	MOCP	VOLTS	PHASE	WEIGHT (LBS.)
CU2	24AC0630	2.5	CC2	16.7	26 A	230 V	1	187

CEILING EXHAUSTER SCHEDULE 2BR

CEILING EXHAUSTER: INTEGRAL ALUMINUM GRILLE, BACKDRAFT DAMPER, DISCONNECT SWITCH, DIRECT DRIVE, VIBRATION ISOLATORS, "COOK"

UNIT NO.	MODEL	CFM	ESP (W.C.)	VOLTS	PHASE	WATTS	WEIGHT (LBS.)
CX2	GC-146	84	0.25	120	1	29	13

5

MECHANICAL GENERAL NOTES

1. PROVIDE AND INSTALL ALL MATERIAL AND EQUIPMENT AS REQUIRED BY UPC, UMC, NFPA, LIFE SAFETY CODE, AND ALL OTHER LOCAL CODES AND ORDINANCES THAT APPLY. WHERE THERE IS A DISCREPANCY BETWEEN THE CODES OR ORDINANCES AND THE DRAWINGS, THE MORE STRINGENT APPLICATION SHALL APPLY.

2. LAYOUT AND INSTALL COMPLETE AND FUNCTIONAL MECHANICAL SYSTEMS, INCLUDING TEMPORARY CUTOFF OF EXISTING UTILITIES, PERFORM ALL CUTTING, PATCHING, AND REPAIR ASSOCIATED WITH INSTALLING THE SYSTEMS.

3. VIBRATIONALLY ISOLATE ALL EQUIPMENT AND PIPING FROM THE BUILDING STRUCTURE. COORDINATE TO ASSURE THAT AS QUIET AN OPERATING SYSTEM AS POSSIBLE IS INSTALLED.

4. VERIFY THAT DIFFUSERS, REGISTERS, GRILLES, DUCTWORK AND ALL EQUIPMENT SPECIFIED IS CORRECT FOR FIELD INSTALLATION BEFORE ORDERING OR FABRICATING. PROVIDE A WRITTEN REQUEST FOR INFORMATION TO THE ENGINEER FOR A RULING ON HOW TO PROCEED IF CONDITIONS EXIST THAT WILL NOT ALLOW FOR THE INSTALLATION OF THE EQUIPMENT SPECIFIED.

5. PROVIDE ALL DUCTWORK CONNECTIONS AND TRANSITIONS AT GRILLES, DIFFUSERS, REGISTERS, FILTERS, COILS, AND OTHER LOCATIONS WHERE REQUIRED. CONSTRUCT ALL TRANSITIONS AND CONNECTIONS ACCORDING TO SMACNA STANDARDS.

6. TESTING AND BALANCING AGENCY: PROVIDE AND INSTALL SHEAVES AND ALL EQUIPMENT NECESSARY TO PROVIDE PLUS OR MINUS 10% OF THE CFM REQUIRED FROM EACH DIFFUSER AND REGISTER.

7. PROVIDE AND INSTALL ALL MECHANICAL EQUIPMENT, TRANSFORMERS, RELAYS, AND OTHER ELEMENTS NECESSARY FOR A COMPLETE OPERATING SYSTEM. COMPLETE ALL 24 VOLT CONTROL WIRING AND EQUIPMENT TO THE ABOVE. ALL LINE VOLTAGE WIRING TO THE ABOVE SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR. REFER TO COORDINATION SCHEDULE ON ELECTRICAL DRAWINGS.

8. ALTER DIMENSIONS OF THE DUCTWORK IN THE CEILING SPACE FROM SIZES INDICATED ON THE DRAWINGS AT SPECIFIC LOCATIONS WHEN NECESSARY TO FIT THE DUCTWORK IN THE SPACE PROVIDED. REROUTE DUCTWORK IN CEILING SPACE TO AVOID OTHER MECHANICAL EQUIPMENT, LIGHT FIXTURES, ETC. MAINTAIN THE SAME FREE AREA AND SUBMIT PROPOSED CHANGES TO THE ENGINEER FOR APPROVAL. BE RESPONSIBLE FOR VERIFYING SPACE LIMITATIONS BEFORE DUCTWORK FABRICATION AND MAKE CHANGES ACCORDINGLY. PROVIDE ALL NECESSARY TRANSITIONS.

9. COORDINATE ALL PROPOSED ROOF PENETRATIONS WITH GENERAL CONTRACTOR AND ARCHITECT AND RELOCATE IF NECESSARY.

10. PROVIDE ONE UNION AT ALL VALVES OR SUITABLE MEANS OF REMOVAL WITHOUT PIPE CUTTING ON SCREWED PIPING. UNIONS REQUIRED ON COPPER PIPING AT EQUIPMENT CONNECTION.

11. REVIEW THE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON THE ELECTRICAL DRAWINGS FOR CLARIFICATION OF WORK BETWEEN DISCIPLINES.

12. PROVIDE TURNING VANES IN ALL RECTANGULAR DUCTWORK AT ELBOWS AND TEES WHETHER SHOWN ON THE PLANS OR NOT. THE ONLY EXCEPTION IS RETURN AIR TRANSFER DUCTS BETWEEN ROOMS.

13. FIELD VERIFY THAT ALL NEW DUCTWORK CAN FIT WITHIN THE SPACE PROVIDED PRIOR TO FABRICATING ANY NEW DUCTWORK. EXISTING DUCTWORK SHOWN IS FROM ORIGINAL AS-BUILT DRAWINGS AND NOT ALL CONFIGURATIONS HAVE BEEN VERIFIED.

6

MECHANICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
A6 CFM	DIFFUSER DESIGNATION
1 (23.00)	UNIT DESIGNATION
●	KEYED NOTE
○	POINT OF CONNECTION
—C—	CONDENSATE DRAIN
—HWS—	HEAT PUMP WATER SUPPLY
—HWR—	HEAT PUMP WATER RETURN
▼	GAS COOK
⊞	THERMOMETER
⌌	PLUG, CIRCUIT SETTER OR GAUGE COCK
⌌	CHECK VALVE
2-WAY VALVE	2-WAY VALVE
3-WAY VALVE	3-WAY VALVE
RELIEF VALVE	RELIEF VALVE
BUTTERFLY VALVE	BUTTERFLY VALVE
BALL VALVE	BALL VALVE
STRAINER	STRAINER
UNION	UNION
GATE VALVE	GATE VALVE
SOLENOID	SOLENOID
PRV	PRV
REDUCED PRESSURE BACKFLOW PREVENTER	REDUCED PRESSURE BACKFLOW PREVENTER
10"x10"	CLEAR INSIDE DUCT DIMENSION (NEW)
□	SUPPLY DIFFUSER
→	RETURN GRILLE
←	SIDEWALL SUPPLY
←	SIDEWALL RETURN
M/D F/D F/S V/D	MOTORIZED, FIRE, FIRE/SMOKE OR VOLUME DAMPER
T R H	THERMOSTAT, REMOTE SENSOR OR HUMIDISTAT
CO	CARBON DIOXIDE SENSOR

NOTE: SYMBOLS ILLUSTRATED ABOVE MAY NOT APPEAR ON THE PLANS

D2

DUCT HANGER DETAIL

DUCT SCHEDULE		
DUCT DIMENSIONS INCHES	TYPE	HANGER
UP THRU 12	A	
14	18	A
20	30	A/B
32	42	B
44	54	B
56	60	B
62	84	C
86	96	C
OVER 96	96	D

NOTES:

- FOR SEVERAL DUCTS ON ONE HANGER TYPE "B"- "C" OR "D" MAY BE USED. SIZE OF HANGER WILL BE SELECTED ON THE SUM OF DUCT WIDTHS EQUAL TO MAX. WIDTH OF DUCT SCHEDULE.
- SCHEDULE FOR ANGLES FOR BRACING: TYPE "B" 1/2"x1/2"x18" ANGLE MAX. SPACING 8'-0" CENTERS, TYPE "C" 1/2"x1/2"x3/16" ANGLE MAX. SPACING 8'-0" CENTERS, TYPE "D" 2"x2"x1/2" MAX. SPACING 4'-0" CENTERS.

D4

REFRIGERANT PIPING SUPPORT DETAIL

C3

3 BR Furnace Section

C4

2 BR Furnace Section

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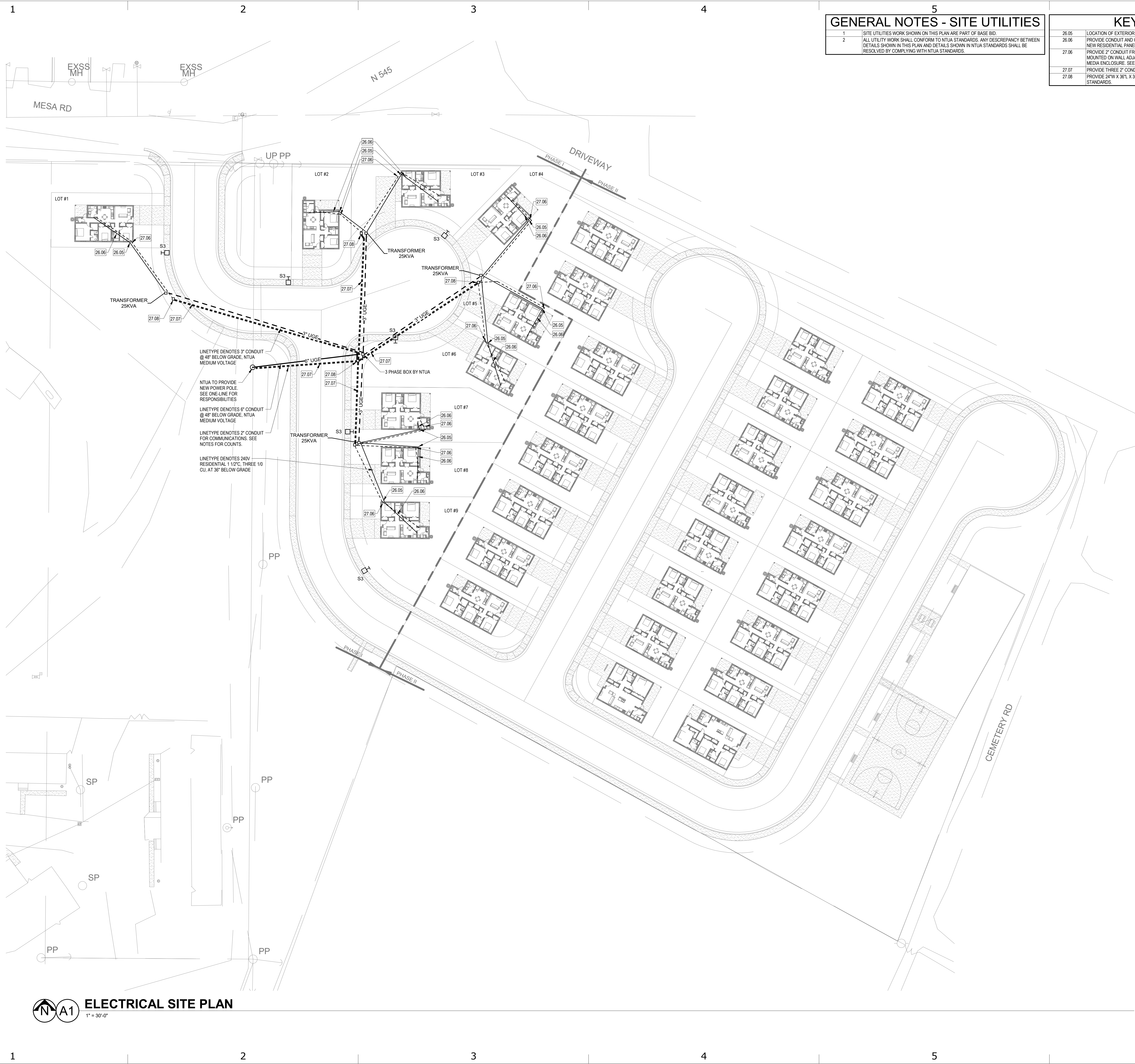
MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

Mark	Date	Description

PROJECT NO: 20_33
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CHECKED BY: DS
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SHEET TITLE
MECHANICAL NOTES, SCHEDULES AND LEGEND

DRAWING SHEET

M601



1	SITE UTILITIES WORK SHOWN ON THIS PLAN ARE PART OF BASE BID.
2	ALL UTILITY WORK SHALL CONFORM TO NTUA STANDARDS. ANY DISCREPANCY BETWEEN DETAILS SHOWN IN THIS PLAN AND DETAILS SHOWN IN NTUA STANDARDS SHALL BE RESOLVED BY COMPLYING WITH NTUA STANDARDS.

26.05	LOCATION OF EXTERIOR DISCONNECT/METER. INSTALL PER NTUA STANDARDS.
26.06	PROVIDE CONDUIT AND CONDUCTORS EQUAL TO UTILITY SECONDARY FROM METER TO NEW RESIDENTIAL PANEL. APPROXIMATE ROUTING SHOWN.
27.06	PROVIDE 2" CONDUIT FROM GRADE LEVEL BOX TO EXTERIOR 12"x12"x6" TELECOM BOX MOUNTED ON WALL ADJACENT TO ELECTRICAL METER. ROUTE 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSURE. SEE FLOOR PLAN.
27.07	PROVIDE THREE 2" CONDUITS FOR TELECOM. INSTALL IN TRENCH PER NTUA DETAILS.
27.08	PROVIDE 24"W X 36"L X 36"D GRADE LEVEL BOX FOR TELECOM. COORDINATE WITH NTUA STANDARDS.

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2020-11-06

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

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ELECTRICAL SITE	
PLAN - BASE BID	

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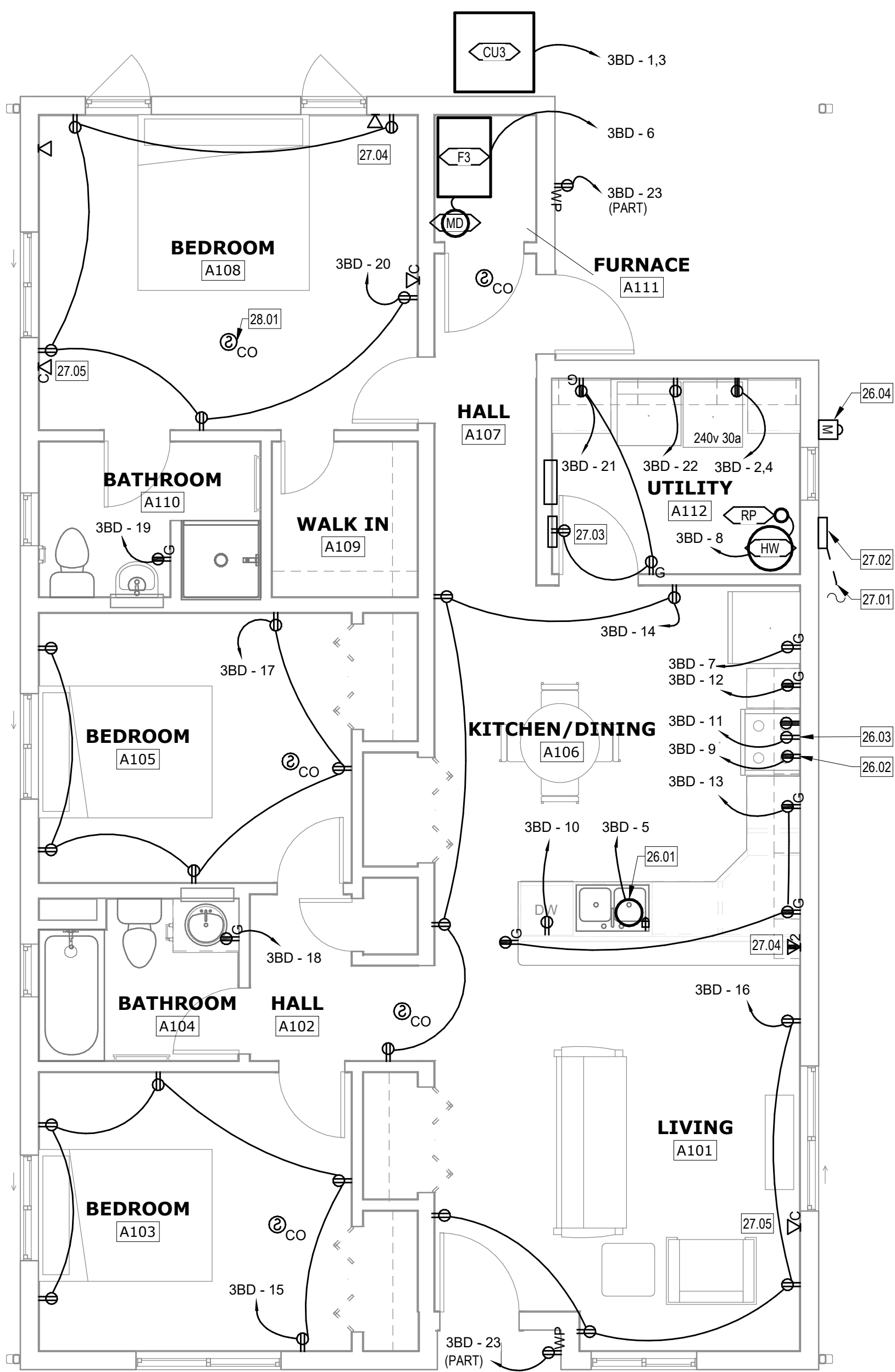
ES101

MESA HEIGHT'S TEACHERAGE SUBDIVISION - PHASE I

CENTRAL CONSOLIDATED SCHOOL DISTRICT

SHIPROCK, NM

26.01	GARBAGE DISPOSER. INSTALL AND CONNECT INSULATOR STS-000N SWITCH COORDINATE WITH ARCHITECT AND FINISH.
26.02	MICROWAVE. MOUNT ABOVE STOVE. COORDINATE EXACT HEIGHT WITH ARCHITECT FOR ROUGH-IN.
26.03	STOVE. INSTALL 120 RECEPTACLE FOR GAS STOVE. PROVIDE _____ CONDUIT FOR FUTURE RETROFIT TO ELECTRICAL STOVE.
26.04	APPROXIMATELY 10 FEET FROM DISCONNECT METER PER ITUA STANDARDS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE CONDUIT AND CONDUCTORS FROM ACTUAL METER LOCATION TO PANELBOARD. SEE SITE PLAN.
27.01	UNDERGROUND CONDUIT FROM TELEPHONE UTILITY. SEE SITE PLAN FOR DETAILS.
27.02	APPROXIMATELY 10 FEET FROM DISCONNECT METER PER ITUA STANDARDS. SEE SITE PLAN FOR RUN. 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSURE IN UTILITY CLOSET. TERMINATE 1/2" COMMUNICATIONS CONDUIT IN BOTTOM OF RECESSED 14"x14" STRUCTURED MEDIA ENCLOSURE. PROVIDE 1/2" EMT OR EQUAL. PROVIDE HUNGED COVER. PROVIDE RECEPTACLE IN STRUCTURED MEDIA ENCLOSURE.
27.03	RUN CATSE LINE FROM THIS LOCATION TO STRUCTURED MEDIA ENCLOSURE. TYPICAL.
27.04	RUN CABLE TV COAX FROM THIS LOCATION TO STRUCTURED MEDIA ENCLOSURE. TYPICAL.
27.05	INTERFERE WITH CARBON MONOXIDE DETECTOR. PROVIDE SIGNAL AND POWER FROM UNSWITCHED CIRCUIT PER NFPA 72 REQUIREMENTS. TYPICAL.



A4 ELECTRICAL POWER PLAN - 3 BEDROOM
1/4" = 1'-0"

[illegible]

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ELECTRICAL PLANS -
3 BEDROOM UNIT -
UNIT PRICE A

DRAWING SHEET



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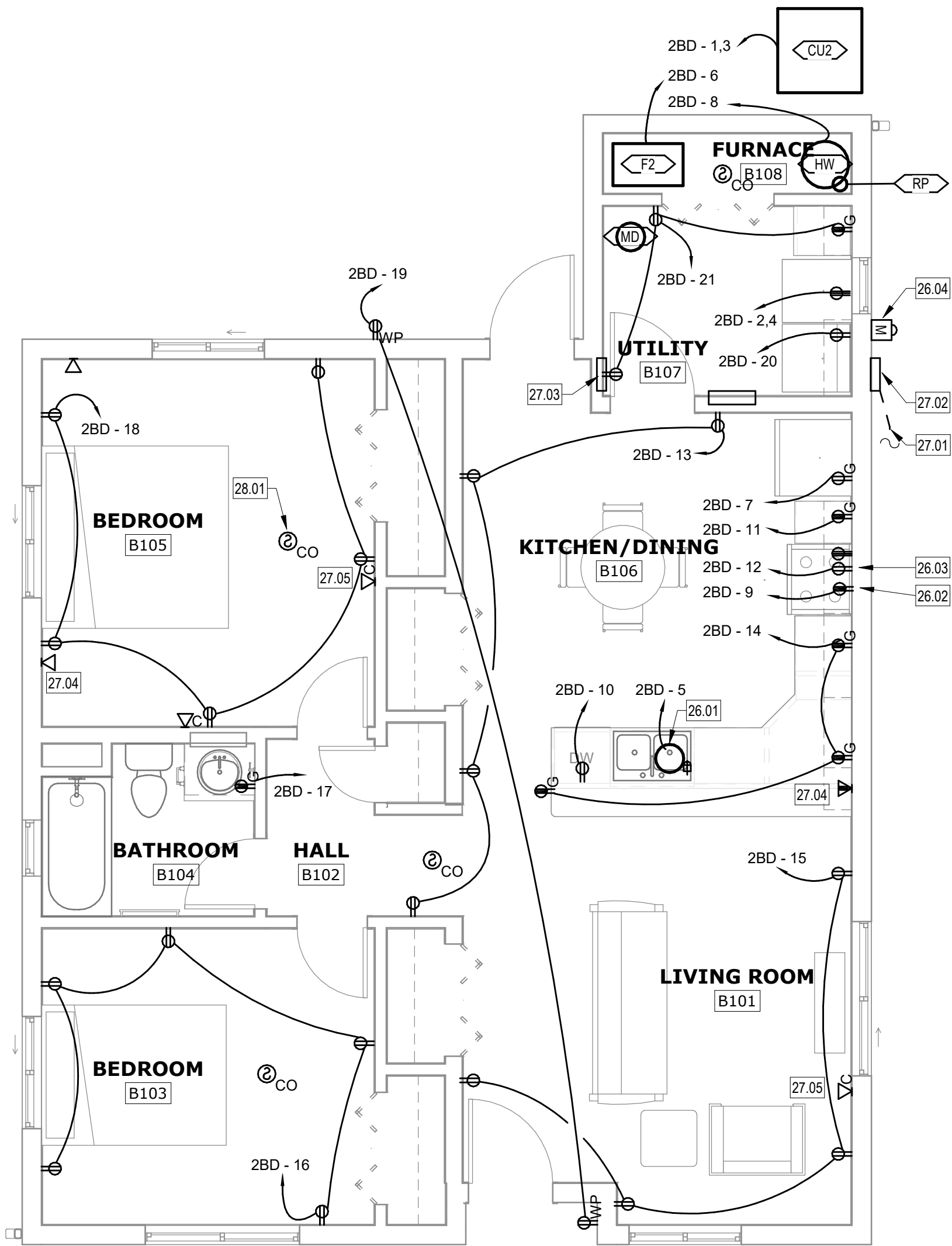


2020-11-06

ELECTRICAL POWER PLAN - 2 BEDROOM

$$1/4" = 1'-0"$$

26.01	GARBAGE DISPOSAL. INSTALL AND CONNECT INSINKER/INSECTOR STS-005H SWITCH. COORDINATE WITH ARCHITECT AND GC.
26.02	MICROWAVE. MOUNT ABOVE STOVE. COORDINATE EXACT HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
26.03	STOVE. INSTALL 120 RECEPTACLE FOR GAS STOVE. PROVIDE _____ CONDUIT FOR FUTURE RETROFIT TO ELECTRICAL STOVE.
26.04	WATERMETER. LOCATE WATER FLOW METER. REPAIR DISCOMETER PER NTA STANDARDS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE CONDUIT AND CONDUCTORS FROM ACTUAL METER LOCATION TO PAINELBOARD. SEE SITE PLAN.
27.01	UNDERGROUND CONDUIT FROM TELCOM UTILITY. SEE SITE PLAN FOR DETAILS.
27.02	PROXIMATE LOCATION FOR FUTURE TELCOM UTILITY. PROVIDE CONDUIT CONNECTION. SEE SITE PLAN FOR RUN. RUN 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSURE IN UTILITY CLOSET.
27.03	TERMINATE 1/2" COMMUNICATION CONDUIT IN BOTTOM OF RECESSED 4"x14" UNINSULATED MEDIA ENCLOSURE. PROVIDE 1/2" EMT OR SMC OR EQUAL. PROVIDE HINGED DOOR COVER. PROVIDE RECEPTACLE IN STRUCTURE.
27.04	RUN CAT5E LINE FROM THIS LOCATION TO STATIONED MEDIA ENCLOSURE. TYPICAL.
27.05	RUN CABLE TV COAX FROM THIS LOCATION TO STRUCTURED MEDIA ENCLOSURE. TYPICAL.
27.06	INTERCONNECT CABLE MONITOR/SMART TV. ALARMS AND POWER FROM UNSWITCHED 120VAC. PROVIDE PERMITS FOR ALL WORK.



MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

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2020-11-0

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ELECTRICAL PLANS
2 BEDROOM UNIT -
UNIT PRICE B

DRAWING SHEET

E102

E

D

C

B

A

1

2

3

4

5

6

PANEL 2BD

Location: UTILITY B107

Enclosure:

Mounting: Recessed

Volts: 120/240 Single

Phases: 1

Wires: 3

A.I.C. Rating:

Mains Type:

Mains Rating: 225 A

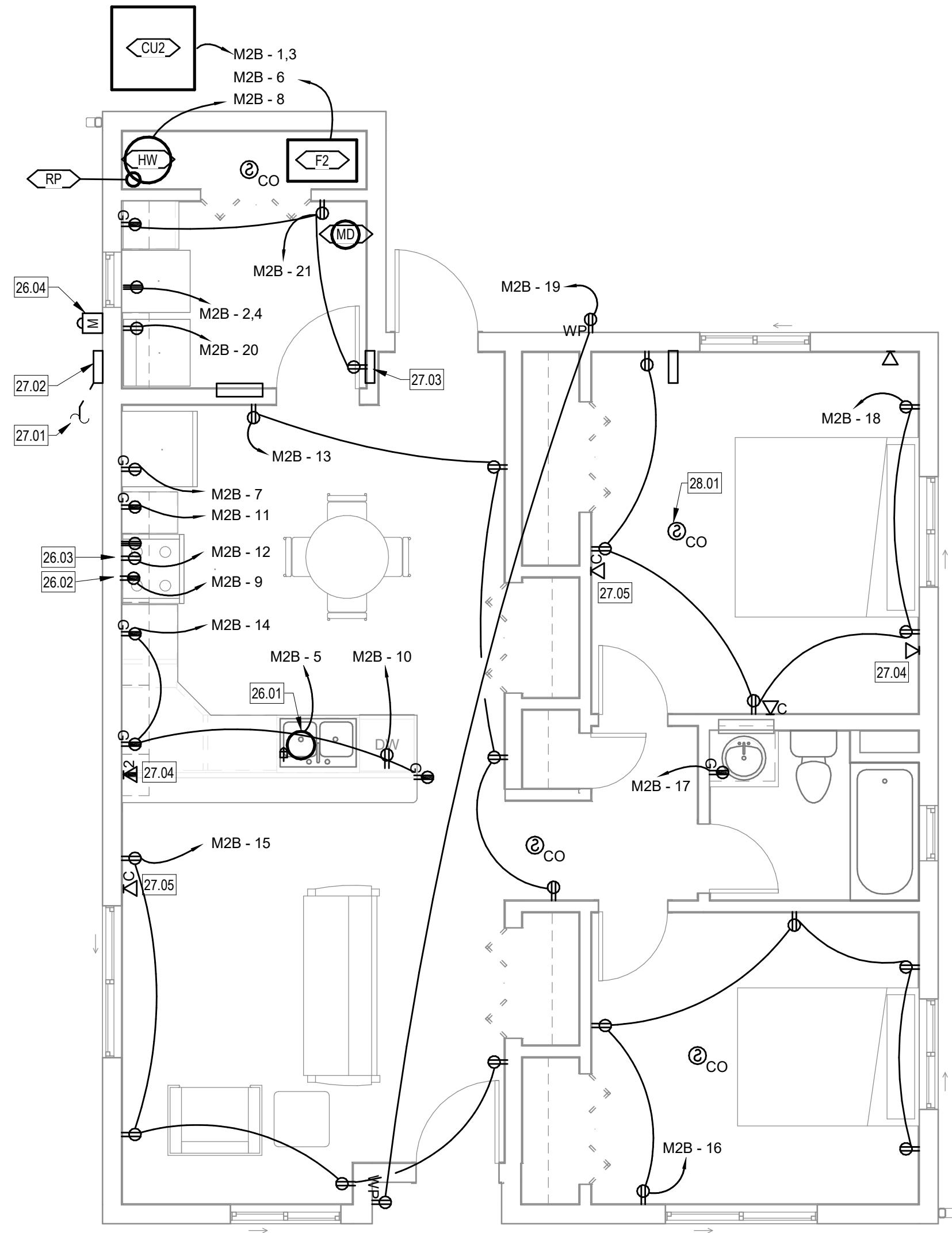
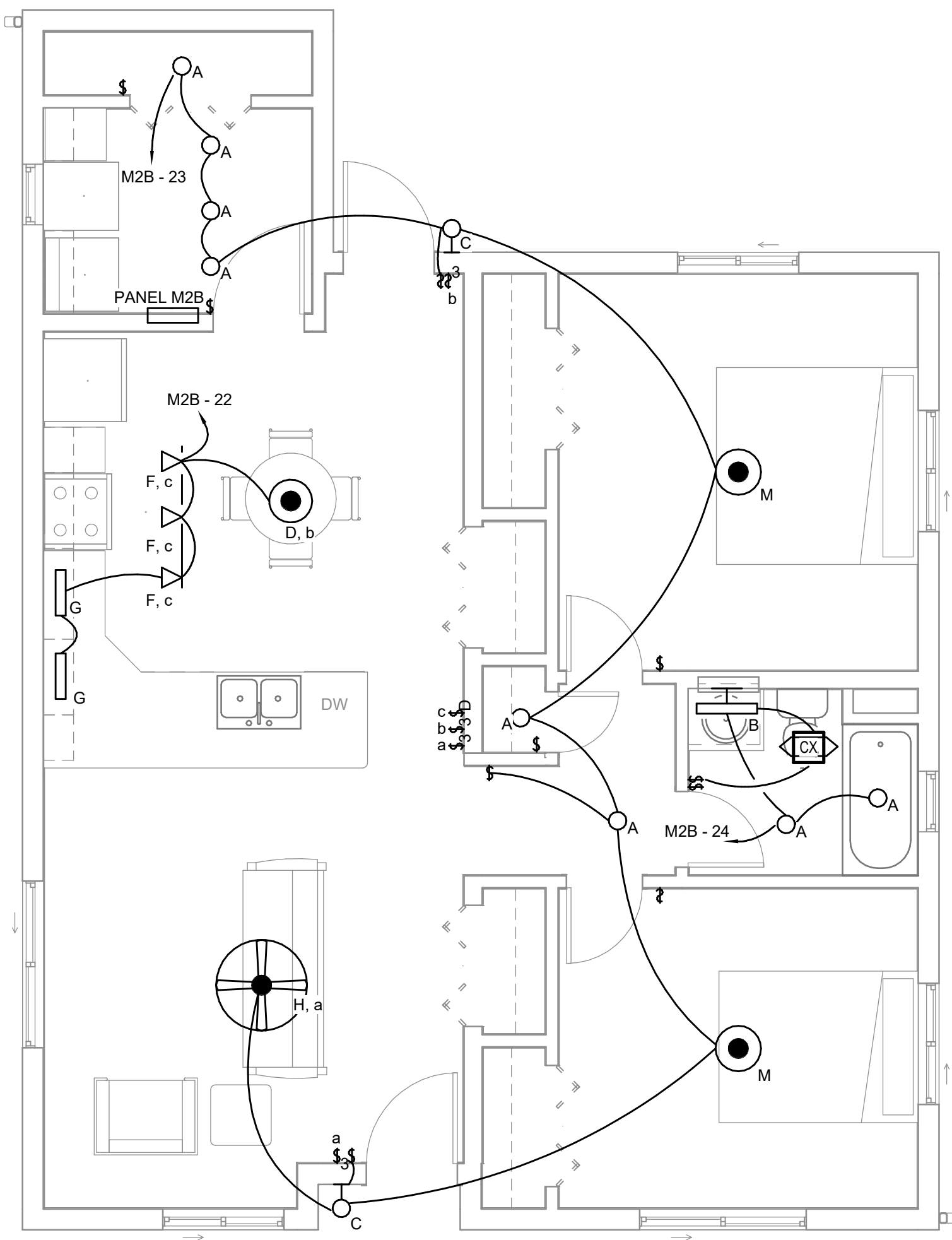
Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	CONDENSING UNIT	25	2	1755	3600	1755	3600	2	30	DRYER	2
3	--	--	--					--	--	--	4
5	GARBAGE DISPOSER	20	1	756	1116			1	20	FURNACE, DAMPER	6
7	REFRIGERATOR	20	1			780	102	1	20	WATER HEATER	8
9	MICROWAVE	20	1	1920	1200			1	20	DISHWASHER	10
11	REC - KITCH	20	1			1600	50	1	20	STOVE	12
13	REC - KITCH WALLS, HALL	20	1	720	4800			1	20	REC - KITCH	14
15	REC - LIVING ROOM	20	1			720	900	1	20	REC - SMALL BEDROOM	16
17	REC - BATHROOM	20	1	180	900			1	20	REC - LARGE BEDROOM	18
19	REC - EXTERIOR	20	1			360	1500	1	20	REC - WASHER	20
21	REC - UTILITY	20	1	540	161			1	20	LTG - KITCHEN	22
23	LTG - LVG, BEDS, HALL,....	20	1			277	85	1	20	LTG, FAN - BATHROOM	24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
Total Load:				17351 VA		11551 VA					
Total Amps:				145 A		96 A					
Load Classification		Connected Load		Demand Factor		Demand		Panel Totals			
Appliance, Dwelling Unit		3120 VA		100.00%		3120 VA					
Lighting		494 VA		125.00%		617 VA		Total Conn. Load: 28902 VA			
Motor		5411 VA		116.22%		6289 VA		Total Est. Demand: 25906 VA			
Other		102 VA		100.00%		102 VA					
Receptacle		17920 VA		77.90%		13960 VA					
Refrigeration		2280 VA		100.00%		2280 VA					
Commercial Kitchen Equipment		50 VA		100.00%		50 VA		Total Conn.: 120 A			
								Total Est. Demand: 108 A			

ELECTRICAL GENERAL NOTES	
1	ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
2	ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SHALL HAVE ARC FAULT BREAKERS.
3	PROVIDE COMBINATION ARC FAULT/GROUND FAULT BREAKERS TO MEET COMBINED REQUIREMENTS.
4	MULTISTATION COMBINATION PHOTOELECTRIC SMOKE AND CARBON MONOXIDE ALARMS WITH VOICE MESSAGES, COMPLYING WITH NM RESIDENTIAL BUILDING CODE, AND 2019 NFPA 72.

GEN. NOTES - 2 BR (MIRRORED)	
1	ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE C.

KEYED NOTES	
26.01	GARBAGE DISPOSER: INSTALL AND CONNECT INSINKERATOR STS-005N SWITCH. COORDINATE WITH ARCHITECT AND GC.
26.02	MICROWAVE: MOUNT ABOVE STOVE. COORDINATE EXACT HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
26.03	STOVE: INSTALL 120V RECEPTACLE FOR GAS STOVE. PROVIDE ____ CONDUIT FOR FUTURE RETROFIT TO ELECTRICAL STOVE.
26.04	APPROXIMATE LOCATION OF EXTERIOR DISCONNECT METER PER NTUA STANDARDS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE CONDUIT AND CONDUCTORS FROM ACTUAL METER LOCATION TO PANELBOARD. SEE SITE PLAN.
27.01	UNDERGROUND CONDUIT FROM TELECOM UTILITY. SEE SITE PLAN FOR DETAILS.
27.02	APPROXIMATE LOCATION OF 12X12X6" BOX FOR FUTURE TELECOM CONNECTION. SEE SITE PLAN FOR RUN 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSURE IN UTILITY CLOSET.
27.03	TERMINATE 1 1/2" COMMUNICATIONS CONDUIT IN BOTTOM OF RECESSED 14X14" STRUCTURED MEDIA ENCLOSURE. LEVITON 47605-140 SMC OR EQUAL. PROVIDE HINGED DOOR COVER. PROVIDE RECEPTACLE IN ENCLOSURE.
27.04	RUN CAT5E LINE FROM THIS LOCATION TO STRUCTURED MEDIA ENCLOSURE. TYPICAL.
27.05	RUN CABLE TV COAX FROM THIS LOCATION TO STRUCTURED MEDIA ENCLOSURE. TYPICAL.
28.01	INTERCONNECT CARBON MONOXIDE SMOKE ALARMS AND POWER FROM UNSWITCHED CIRCUIT PER NFPA 72 REQUIREMENTS. TYPICAL.



A2 ELECTRICAL LIGHTING PLAN - 2 BEDROOM (MIRRORED)
1/4" = 1'-0"

A4 ELECTRICAL POWER PLAN - 2 BEDROOM (MIRRORED)
1/4" = 1'-0"

MESA HEIGHTS TEACHERAGE SUBDIVISION - PHASE I
CENTRAL CONSOLIDATED SCHOOL DISTRICT
SHIPROCK, NM

Mark	Date	Description
	NOVEMBER 06, 2020	ISSUE:

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SHEET TITLE
ELECTRICAL PLANS -
2 BEDROOM UNIT
(MIRRORED) - UNIT
PRICE C
DRAWING SHEET

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