11/18/2020 4:53:02 PM	Image: mail of the second state of	AHEIGH
	CECNOSCHOOL BOARDSARY J. MONTOYA SUZETTE JEAN HASKIR CHARLIE T. JONES JR, SHELDON PICKERINGPRESIDENT SCHARLIE T. JONES JR, SHELDON PICKERINGDANIEL P. BENAVIDEZCART J. MONTOYA SUZETTE JENAVIDEZ	TRAL CC SITE LOCATION
	D DESIGN TEAM SECOND SIGN ACHITECTURE 1717 LOUISIANA NE, SUITE #205 ALBUQUERQUE, NM 87110 OFFICE: 505-821-0235 / FAX: 505-821-0348 www.greer-stafford.com CONTACT: CHRIS VAN DYCK & JOHN GIDDENS CIVIL ENGINEER: CHENEY-WALTERS-ECHOLS INC. 909 W APACHE ST FARMINGTON, NM 87401 OFFICE: 505-327-3303 CONTACT: BOB ECHOLS & HAROLD STRUBE	Image: state stat
	STRUCTURAL ENGINEER: CHAVEZ-GRIEVES CONSULTING ENGINEERS 4700 LINCOLN RD NE # 102 ALBUQUERQUE, NM 87109 OFFICE: 505-344-4080 CONTACT: CHRIS ROMERO MECHANICAL/ELECTRICAL/PLUMBING ENGINEER: MERE ENGINEERING 463 TURNER DR # 104-A DURANGO, CO 81303 OFFICE: 970-385-1570 / FAX: CONTACT: DUSTIN SULLIVAN, MECHANICAL NATE BRUSH, ELECTRICAL HOUSTIN SULLIVAN, MECHANICAL NATE BRUSH, ELECTRICAL HOUSTIN RD NW # 201 ALBUQUERQUE, NM 87102 OFFICE: 505-268-2266 CONTACT: AARON ZAHM	SITE ADDRESS - PROJECT DEVELOPMENT AT INTERSECTION
C:\Users\jgiddens\Documents\R19_CCSD	Α	

# HTS TEACHERAGE SUBDIVISION -PHASE I CONSOLIDATED SCHOOL DISTRICT

CID REQUIR	EMENTS
<b>DESIGN CRITERIA:</b>	
BUILDING TYPE:	VB
SQUARE FOOTAGE:	
3-BEDROOM UN	IT - 1,354 SF
2-BEDROOM UN	IT - 1,052 SF
USE AND OCCUPANCY:	R3
OCCUPANT LOAD:	200 GROSS
3-BEDROOM UN	IT - 6 OCC.
2-BEDROOM UN	IT - 5 OCC.
ALLOWABLE AREA:	UNLIMITED
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.
PLUMBING FIXTURE REQ'S:	ONE AND TWO FAMILY DWELLINGS AND LODGING HOUSES WITH (5) OR FEWER GUEST ROOMS:
WATER CLOSETS: 1 PER	DWELLING UNIT REQUIRED
3-BEDROOM UNIT -	2 PROVIDED
2-BEDROOM UNIT -	1 PROVIDED
LAVATORIES: 1 PER 10 (	OCCUPANTS REQUIRED
3-BEDROOM UNIT -	2 PROVIDED
2-BEDROOM UNIT -	1 PROVIDED
BATHTUBS: 1 PER DWEL	LING UNIT REQUIRED
3-BEDROOM UNIT -	1 BATHTUB, 1 SHOWER PROVIDED
2-BEDROOM UNIT -	1 PROVIDED
DRINKING FOUNTAINS:	NOT REQUIRED
	K PER DWELLING UNIT REQUIRED, LOTHES WASHER CONNECTION PER DWELLING UNIT
3-BEDROOM UNIT -	1 KITCHEN SINK, 1 CLOTHES WASHER CONNECTION PROVIDED
2-BEDROOM UNIT -	1 KITCHEN SINK, 1 CLOTHES WASHER CONNECTION PROVIDED
FIRE SPRINKLERS:	NOT REQUIRED
HEIGHT + STORIES:	1 STORY TOP OF ROOF SHED = 16'-11 1/2"
LAND USE ZONE:	N/A
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.
SEISMIC LOCATION:	SEISMIC IMPORTANCE FACTOR:IE = 1.0SEISMIC DESIGN CATEGORY:B
	DESIGN CRITERIA: BUILDING TYPE: SQUARE FOOTAGE: 3-BEDROOM UN 2-BEDROOM UN 2-BEDROOM UN 2-BEDROOM UN 2-BEDROOM UN ALLOWABLE AREA: EXITING REQUIREMENTS: MATER CLOSETS: 1 PER 3-BEDROOM UNIT - 2-BEDROOM UNIT - 2-BEDROOM UNIT - 14VATORIES: 1 PER 100 3-BEDROOM UNIT - 2-BEDROOM UNIT - 12-BEDROOM UNIT - 2-BEDROOM UNIT - 14VATORIES: 1 PER DWEL 3-BEDROOM UNIT - 2-BEDROOM UNIT - 2-BEDROOM UNIT - 14UTOMATIC C REQUIRED 3-BEDROOM UNIT - 2-BEDROOM UNIT - 14UTOMATIC C REQUIRED 3-BEDROOM UNIT - 14UTOMATIC C REQUIRED 3-BEDROOM UNIT -

## PROJECT DESCRIPTION:

BASE BID: SITE WORK INCLUDING GRADING AND DRAINAGE, ROADS, AND UT EXTENSION TO SUPPORT PHASE I CONSTRUCTION OF UP TO NINE HOMES. LANDSCAPING FOR EACH OF NINE (9) HOMES. UTILITIES FOR EVENTUAL CONSTRUCTION OF THIRTY-THREE (33) HOME SUBI UNIT PRICE A:

CONSTRUCTION OF EACH 3-BEDROOM SINGLE FAMILY HOME ON SI BASE BID.

UNIT PRICE B: CONSTRUCTION OF EACH 2-BEDROOM SINGLE FAMILY HOME ON SI BASE BID.

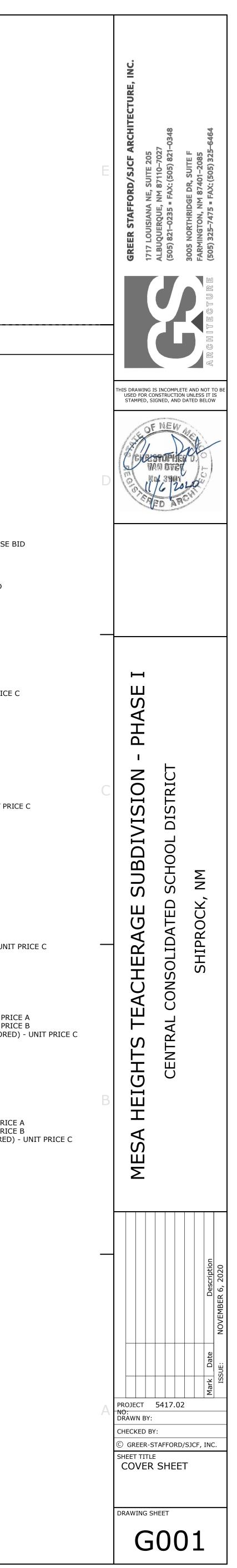
UNIT PRICE C: CONSTRUCTION OF EACH 2-BEDROOM (MIRRORED) SINGLE FAMILY PREPARED IN BASE BID.

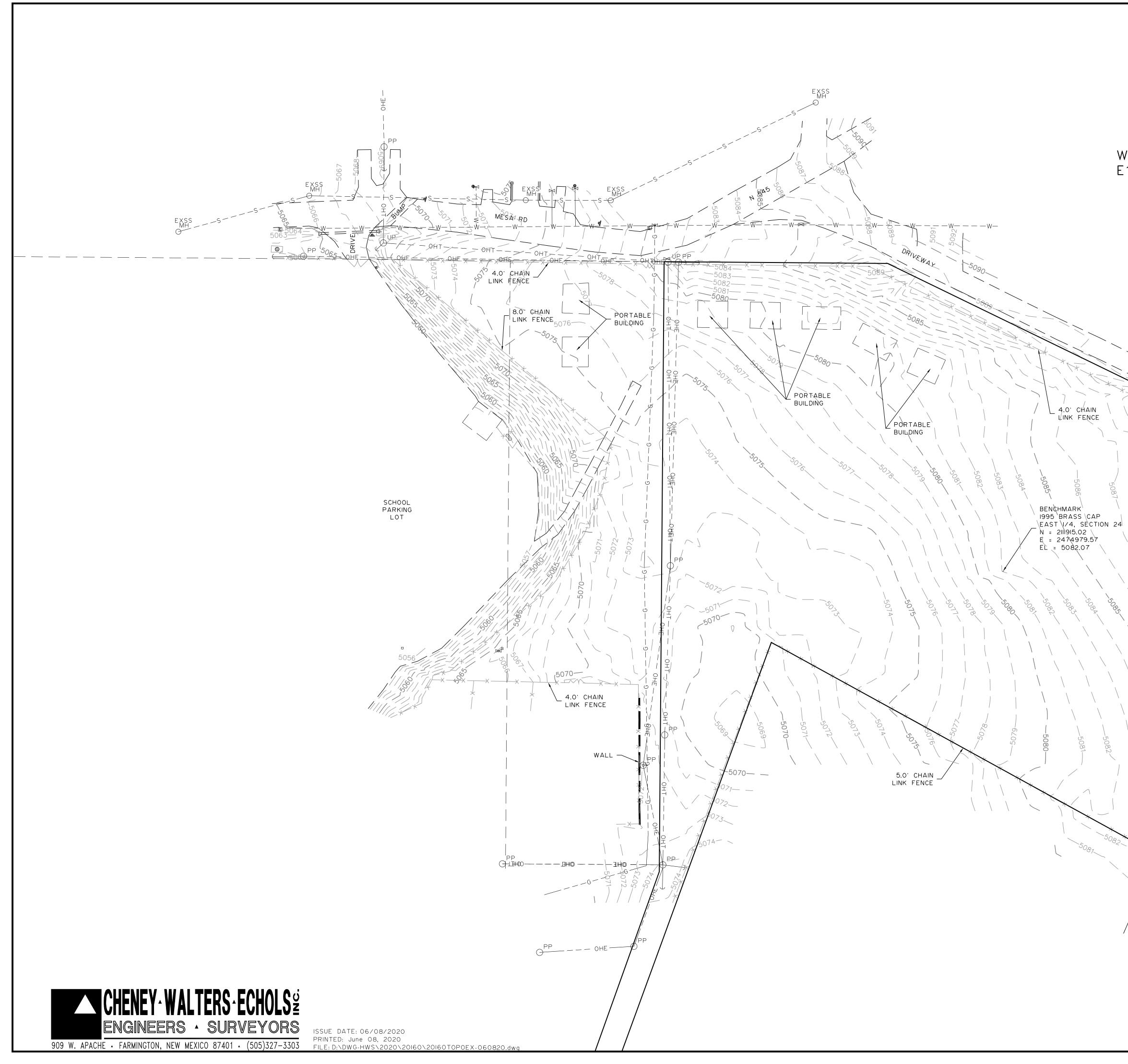
# VENTILATION REQUIREME

50% VENTILATION AT LOW EDGE AND HIGH EDGE OF ROOF = EACH BAY BETWEEN JOISTS MUST BE VENTILATED. LOW ROOF 2' X 16' (APPROX EACH JOIST BAY) = 32 SF. 32SF = 8 SQ IN HIGH AND LOW VENTILATION. HIGH ROOF 2' X 18' (APPROX EACH JOIST BAY) = 36 SF 36SF = 9 SQ IN HIGH AND LOW VENTILATION.

RSECTION OF

	GENERAL NOTES: CODE REVIEW	DRAWING LIST:
UTILITIES	CODE REVIEW NOTES:	GENERAL
E (9) SINGLE-FAMILY ES EXTENSION SIZED IBDIVISION.	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.	G001 COVER SHEET
SITE PREPARED IN	GENERAL NOTES:	SURVEY V001 TOPOGRAPHIC SURVEY
SITE PREPARED IN	APPLICABLE CODES:	
ILY HOME ON SITE	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	<b>CIVIL</b> 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
ENTS	ICC/ANSI A117.1-2009 2015 NEW MEXICO PLUMBING AND MECHANICAL CODE 2015 UNIFORM MECHANICAL CODE (IAPMO) 2015 UNIFORM PLUMBING CODE (IAPMO)	C103 SITE SEWER UTILITY PLAN BASE BID C104 OFF SITE SEWER PLAN & PROFILE BASE BID C105 MESA ROAD & MESA COURT PLAN & PROFILE BASE E C106 PROJECT CIVIL DETAILS BASE BID
= 1/300.	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	C107 PROJECT CIVIL DETAILS BASE BID C108 PROJECT CIVIL DETAILS BASE BID C109 DRAINAGE PLAN BASE BID C109 DRAINAGE PLAN BASE BID C110 PLAN AND PROFILE RETAINING WALLS BASE BID LANDSCAPE
	2015 INTERNATIONAL FIRE CODE 2017 NFPA 58 2012 NFPA 57 2015 NFPA 54 2010 NFPA 52 2011 NFPA 1192	LP101 LANDSCAPE PLAN - BASE BID STRUCTURAL
	IRC REVIEW:	S001 LEGENDS AND ABBREVIATIONS S002 GENERAL STRUCTURAL NOTES
	CHAPTER 3:R310:MINIMUM OPENING AREA - EMERGENCY AND EXCAPE RESCUEOPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7SQUARE FEET. THE NET CLEAR OPENING DIMENSIONS REQUIRED BY THISSECTION SHALL BE OBTAINED BY THE NORMAL OPERATION OF THEEMERGENCY ESCAPE AND RESCUE OPENING FROM THE INSIDE. THE NETCLEAR HEIGHT OPENING SHALL BE NOT LESS THAN 24 INCHES AND THE NET	S1013 BEDROOM UNITS PLANS UNIT PRICE AS1022 BEDROOM UNITS PLANS UNIT PRICE BS1032 BEDROOM UNITS (MIRRORED) PLANS UNIT PRICES301FOUNDATION SECTIONSS311FRAMING SECTIONS AND DETAILSS601SCHEDULESS602SHEAR WALL SCHEDULES AND DETAILS
	CLEAR WIDTH SHALL BE NOT LESS THAN 20 INCHES. <u>EXCEPTION:</u> GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET.	ARCHITECTURAL
	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. <u>R313.1</u> : AUTOMATIC FIRE SPRINKLERS SYSTEMS IN TOWNHOUSES AND ONE- AND TWO- FAMILY DWELLINGS ARE NOT REQUIRED WHEN THE UNITS ARE NOT MORE THAN THREE STOREIS ABOVE THE GRADE PLANE IN HEIGHT AND HAVE SEPARATE MEANS OF EGRESS AND THEIR ACCESSORY STRUCTURES. (NMRC).	<ul> <li>A001 GENERAL NOTES &amp; SYMBOLS</li> <li>A101 FLOOR PLANS - 3 BEDROOM - UNIT PRICE A</li> <li>A102 FLOOR PLANS - 2 BEDROOM - UNIT PRICE B</li> <li>A103 FLOOR PLANS - 2 BEDROOM (MIRRORED) - UNIT PRI</li> <li>A201 EXTERIOR ELEVATIONS - 3 BEDROOM UNIT</li> <li>A202 EXTERIOR ELEVATIONS - 2 BEDROOM UNIT</li> <li>A301 SECTIONS &amp; WALL SECTIONS</li> </ul>
	CHAPTER 8: R806.1: VENTILATION REQUIRED - ENCLOSED RAFTER SPACES FORMED	A401INTERIOR ELEVATIONSA503DETAILS-INTERIORA501DETAILS-GENERALA502DETAILS-ENVELOPE
	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	PLUMBING
	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 REQUIRMENTS OF SECTION R802.7. REQUIRED VENTILATION OPENINGS SHALL OPEN DIRECTLY TO THE OUTSIDE AIR.	<ul> <li>PS101 PLUMBING SITE PLAN - PHASE 1 - BASE BID</li> <li>P101 PLUMBING PLANS - 3 BEDROOM - UNIT PRICE A</li> <li>P102 PLUMBING PLANS - 2 BEDROOM - UNIT PRICE B</li> <li>P103 PLUMBING PLANS - 2 BEDROOM (MIRRORED) - UNIT</li> <li>P601 PLUMBING NOTES, SCHEDULES AND LEGEND</li> </ul>
	<u>R806.2:</u> MINIMUM VENT AREA - THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.	MECHANICAL
	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	M101 MECHANICAL FLOOR PLAN - 3 BEDROOM - UNIT PRIC M102 MECHANICAL FLOOR PLAN - 2 BEDROOM - UNIT PRIC M103 MECHANICAL FLOOR PLAN - 2 BEDROOM (MIRROREE M601 MECHANICAL NOTES, SCHEDULES AND LEGEND
	INSTALLATION 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.	
	<u>R806.3</u> : 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.	ES101 ELECTRICAL SITE PLAN - BASE BID E101 ELECTRICAL PLANS - 3 BEDROOM UNIT - UNIT PRICE E102 ELECTRICAL PLANS - 2 BEDROOM UNIT - UNIT PRICE E103 ELECTRICAL PLANS - 2 BEDROOM UNIT (MIRRORED) E601 ELECTRICAL NOTES AND LEGEND
	CHAPTER 11: SEE NMAC 14.7.6 - NEW MEXICO ENERGY CONSERVATION CODE. CLIMATE ZONE: 5B ELEVATION: 4892 HEATING DEGREE DAYS: 5457 COOLING DEGREE DAYS: -	
	PROJECT SHALL COMPLY WITH SECTIONS 401, 402.4, 403.1, 403.2.2, 403.2-403.9, AND 404.1, AND SECTIOINS 402.1-402.3, 402.5, AND 403.2.1 OF THE IECC.	
	INSULATION AND FENESTRATION REQUIRMENTS FOR CLIMATE ZONE 5B FENESTRATION U-FACTOR: .35	
	CEILING R-VALUE: R-38	
	WOOD FRAME WALL R-VALUE: R-20 OR 13+5(CONTINUOUS)	
	SLAB R-VALUE & DEPTH: R-10 2 FT	

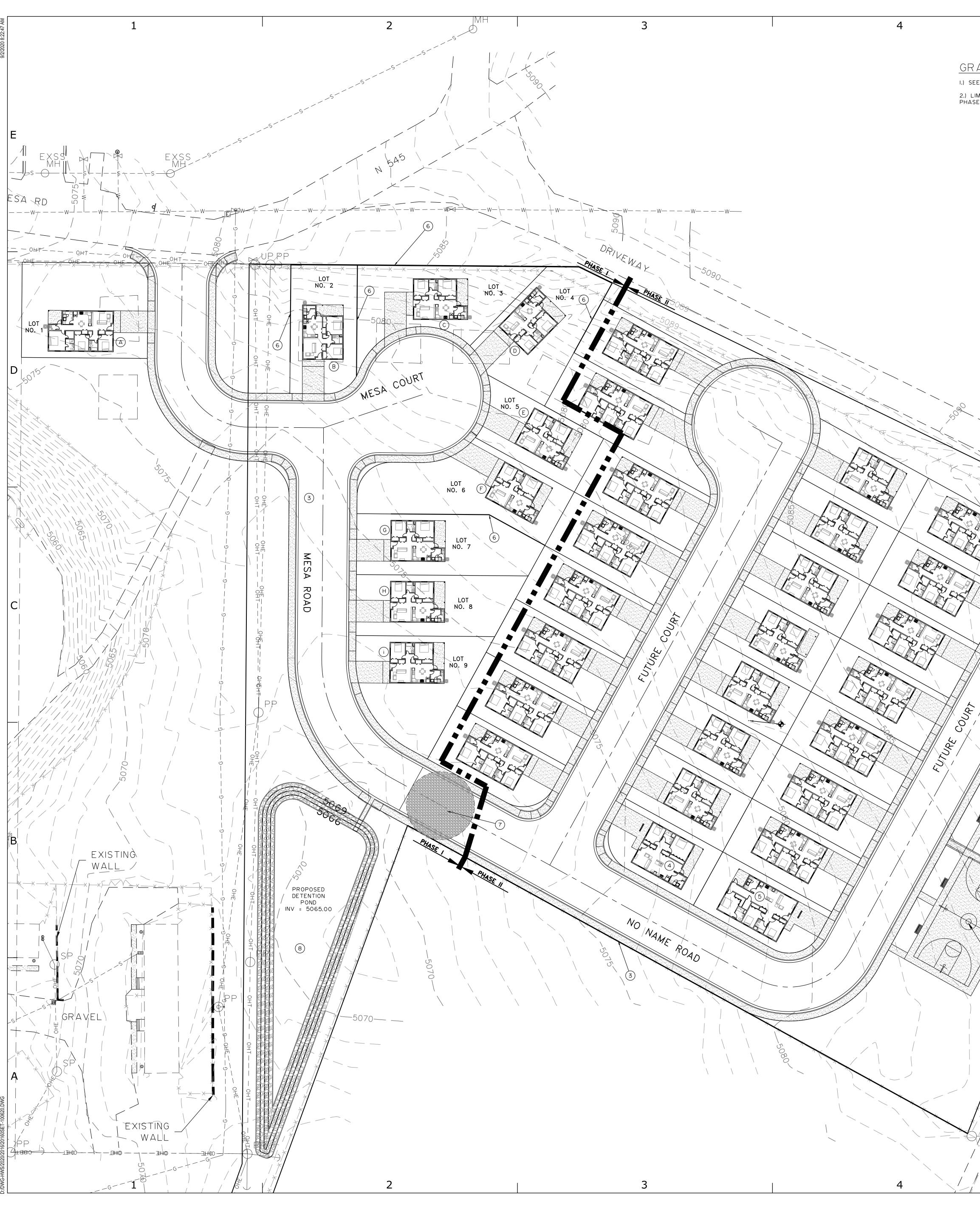




### TOPOGRAPHIC SURVEY

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

,<sup>5</sup>080. -



GRADING NOTES:

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

090\_

A D D

12

### <u>Project benchMark</u>

FOUND 1995 BLM BRASS CAP, EAST QUARTER SECTION 24, T3ON, R18W N = 2111915.016 (N36°47'57.93927") E = 2474979.567 (W108°40'57.60518") E = 2474979.567 (WI08°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: UFUTURE 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.

6 ROCKWOOD BLOCK RETAINING WALL. SEE SHEET CIOIA FOR TOP OF WALL GRADES. SEE DETAIL 2/CIO8.

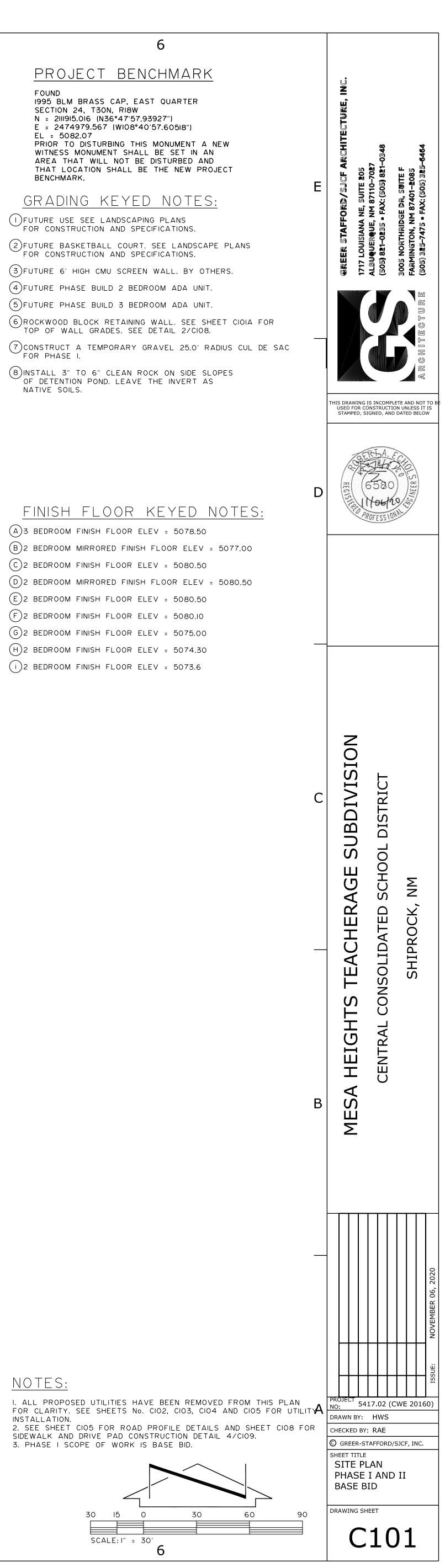
8)INSTALL 3" TO 6" CLEAN ROCK ON SIDE SLOPES OF DETENTION POND. LEAVE THE INVERT AS NATIVE SOILS.

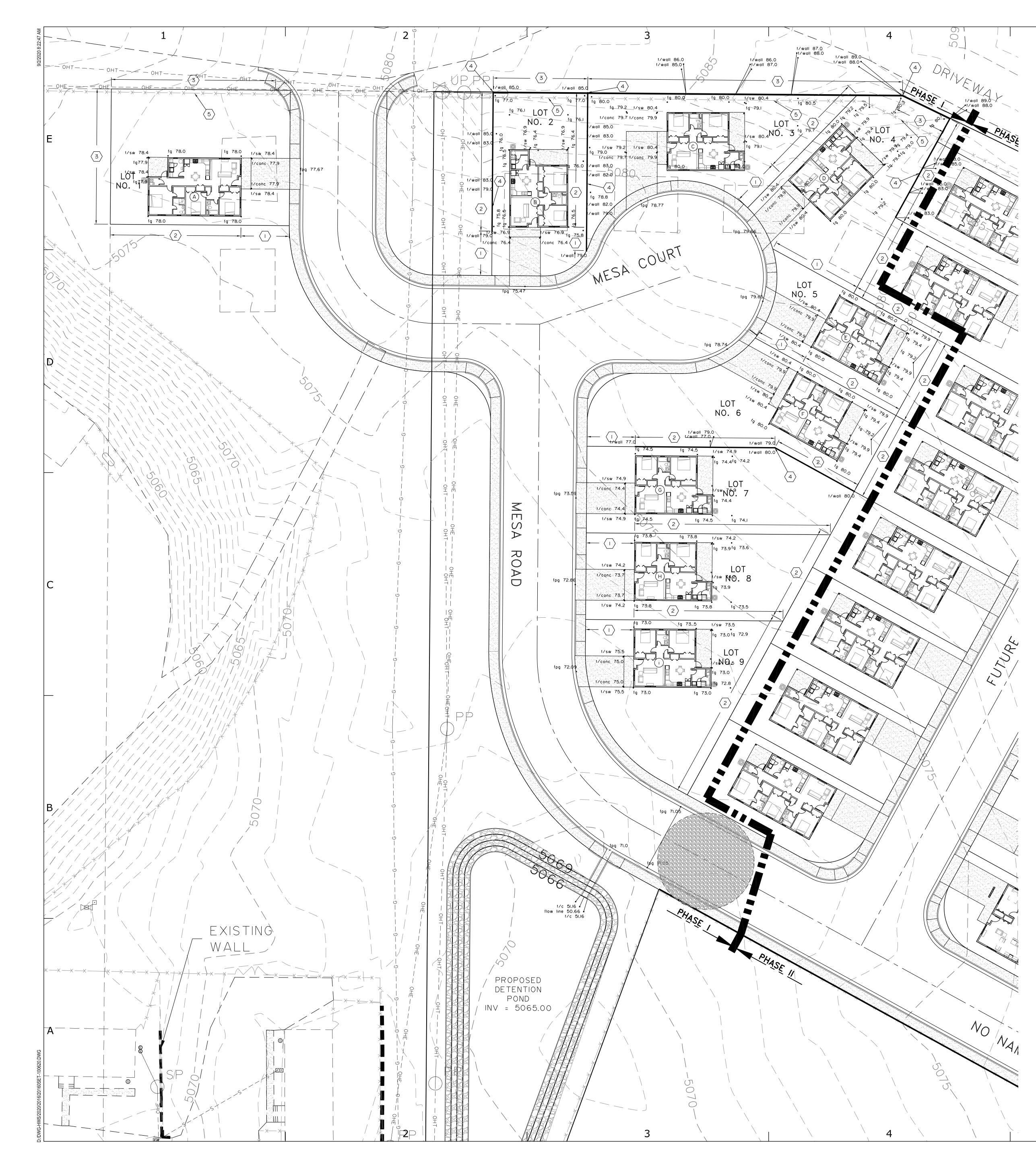
# FINISH FLOOR KEYED NOTES:

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
F2 BEDROOM FINISH FLOOR ELEV = 5080.10
G2 BEDROOM FINISH FLOOR ELEV = 5075.00
H)2 BEDROOM FINISH FLOOR ELEV = 5074.30



INSTALLATION.





<u>Project</u> benchmark FOUND 1995 BLM BRASS CAP, EAST QUARTER SECTION 24, T3ON, RI8W N = 2111915.016 (N36°47'57.93927") E = 2474979.567 (W108°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. 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

6

### <u>Retaining Wall/Fencing Legend</u>

I.) WALL HEIGHTS ARE FINISH GRADE TO TOP OF WALL. 2.) FENCE HEIGHTS ARE FINISH GRADE TO TOP OF FENCE.

 $\langle 1 \rangle$  4.0' CHAIN LINK FENCE WITH NO SLATS.

 $\left| \frac{\sqrt{2}}{2} \right| 6.0^{\circ}$  chain link fence with decorative slats.

4 4 3 6.0' CHAIN LINK FENCE WITH PRIVACY SLATS.

 $\langle 4 \rangle$  CMU SITE WALL.

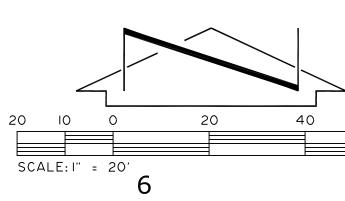
 $\overline{\langle 5 \rangle}$  REMOVE EXISTING FENCE AND SALVAGE FOR OWNER.

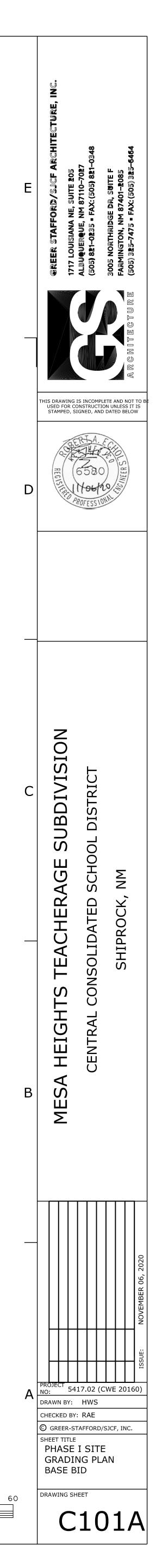
DECORATIVE SLATS BY SLAT SOURCE OR EQUAL - COLOR BY OWNER.

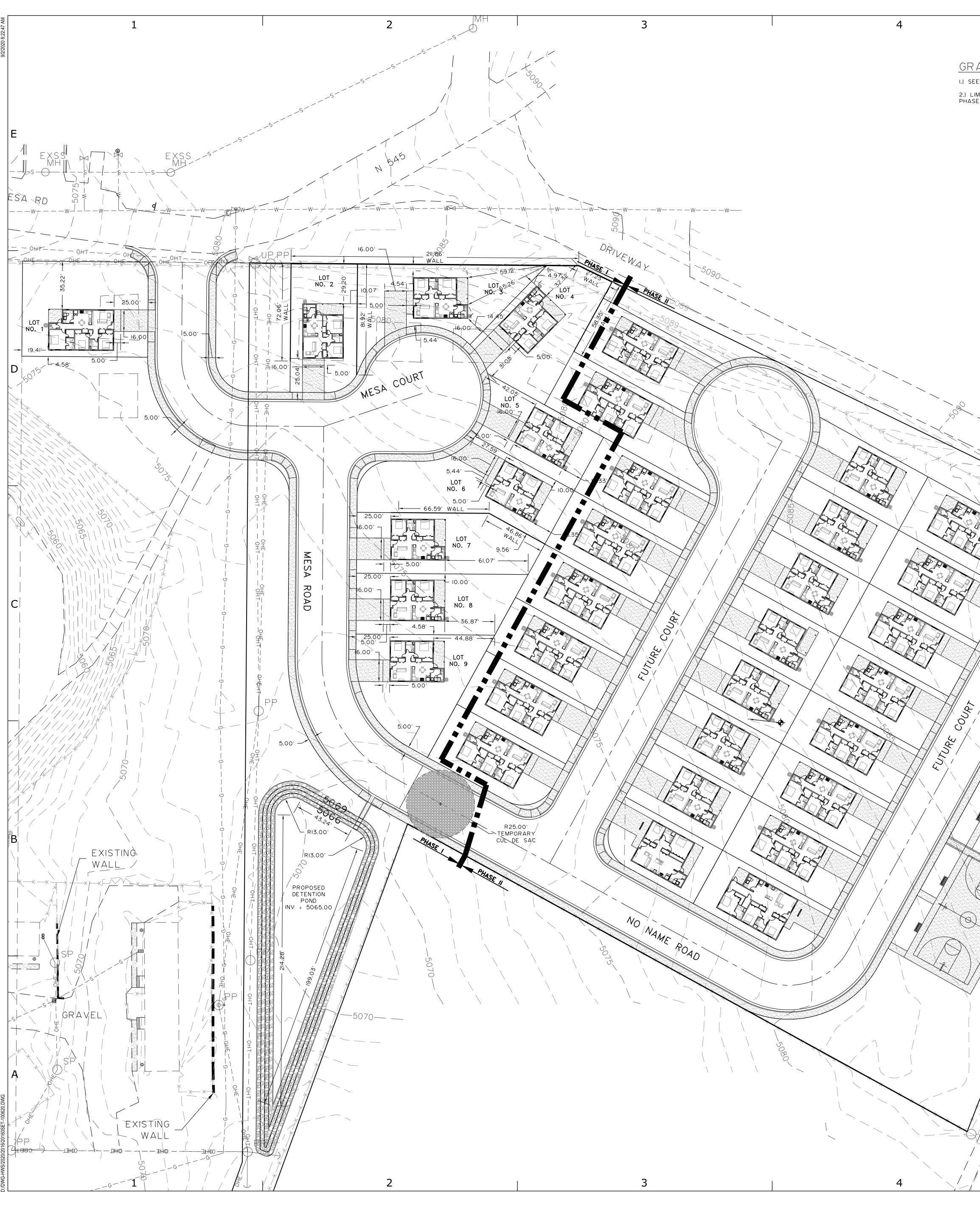
\* PRIVACY SLATS BY PRIVACY LINK OR EQUAL - COLOR BY OWNER.

### NOTES:

I. ALL PROPOSED UTILITIES HAVE BEEN REMOVED FROM THIS PLAN FOR CLARITY. SEE SHEETS No. CIO2, CIO3, CIO4 AND CIO5 FOR UTILITY INSTALLATION.
2. SEE SHEET CIO5 FOR ROAD PROFILE DETAILS AND SHEET CIO8 FOR SIDEWALK AND DRIVE PAD CONSTRUCTION DETAIL 4/CIO9.
3. SEE SHEET CIOI FOR NOTES ON DETENTION POND CONSTRUCTIO AND TEMPOARY CUL DE SAC.
4. PHASE I SCOPE OF WORK IS BASE BID.







### <u>GRADING NOTES:</u>

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

090\_

AD/

174×1

CEME

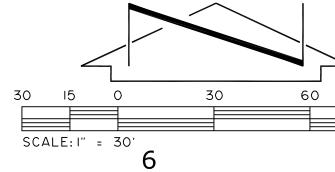
<u>Project benchMark</u>

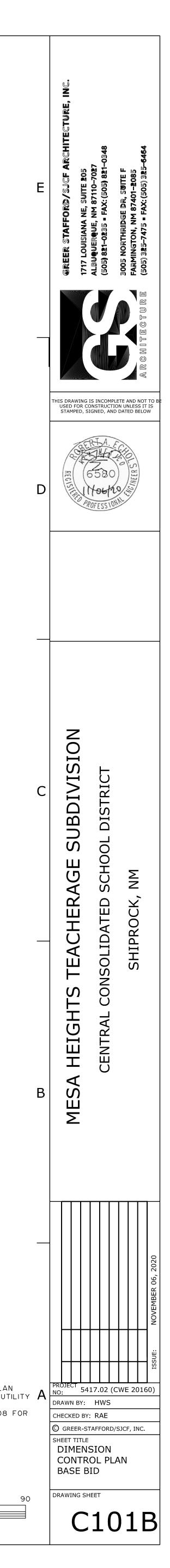
FOUND 1995 BLM BRASS CAP, EAST QUARTER SECTION 24, T3ON, R18W N = 2111915.016 (N36°47'57.93927") E = 2474979.567 (W108°40'57.60518")

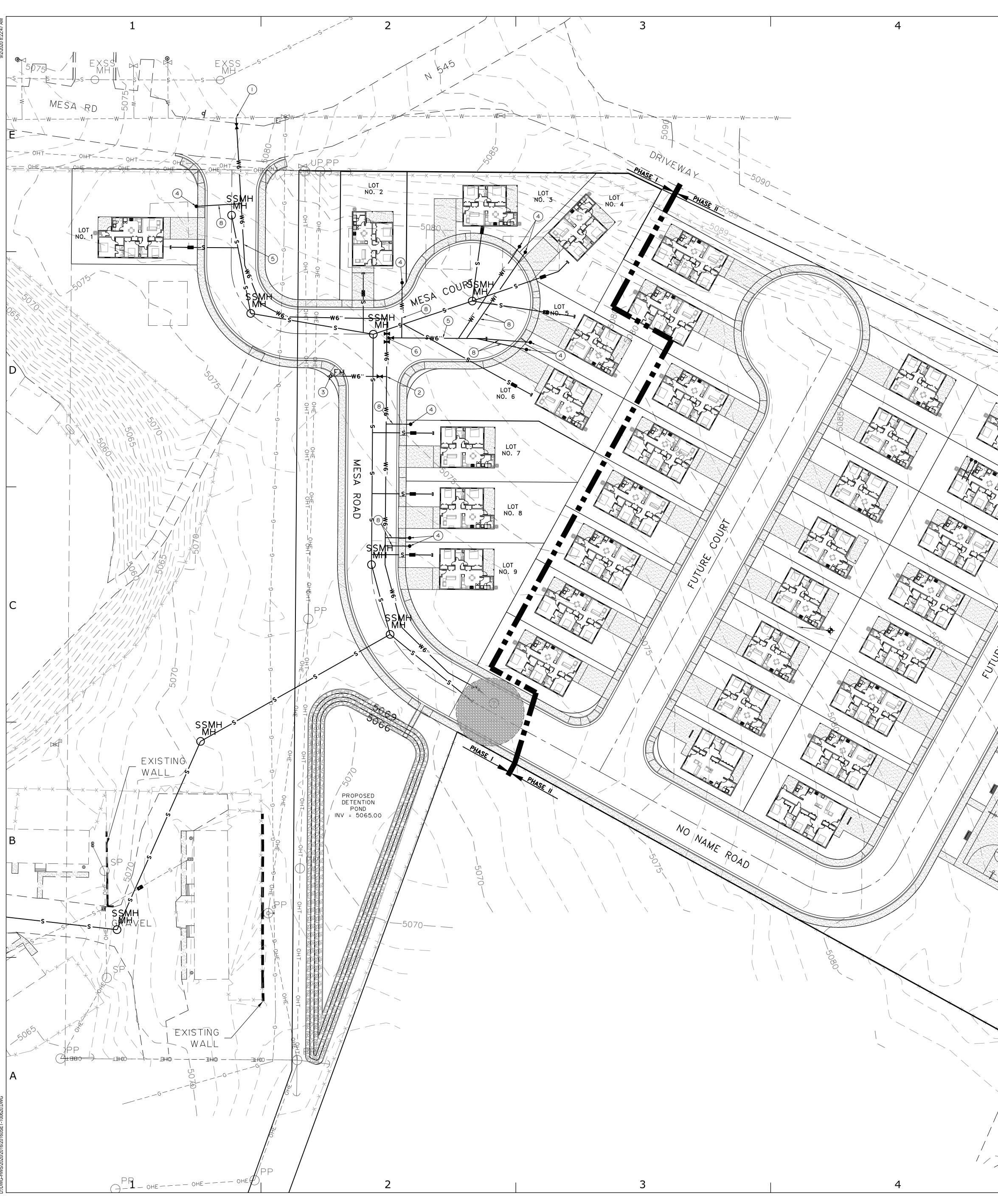
E = 2474979.567 (WIO8\*40.57.60518\*) EL = 5082.07 PRIOR TO DISTURBING THIS MONUMENT A NEW WITNESS MONUMENT SHALL BE SET IN AN AREA THAT WILL NOT BE DISTURBED AND THAT LOCATION SHALL BE THE NEW PROJECT BENCHMARK.

<u>NOTES:</u>

I. ALL PROPOSED UTILITIES HAVE BEEN REMOVED FROM THIS PLAN FOR CLARITY. SEE SHEETS No. CIO2, CIO3, CIO4 AND CIO5 FOR UTILITY INSTALLATION. 2. SEE SHEET CIO5 FOR ROAD PROFILE DETAILS AND SHEET CIO8 FOR SIDEWALK AND DRIVE PAD CONSTRUCTION DETAIL 4/CIO9. 3. PHASE I SCOPE OF WORK IS BASE BID.







# WATER UTILITY CONSTRUCTION NOTE: I.) ALL WATER LINE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST NTUA DETAILS AND SPECIFICATIONS. 2.) PHASE I SCOPE OF WORK IS BASE BID.

5

Sh'

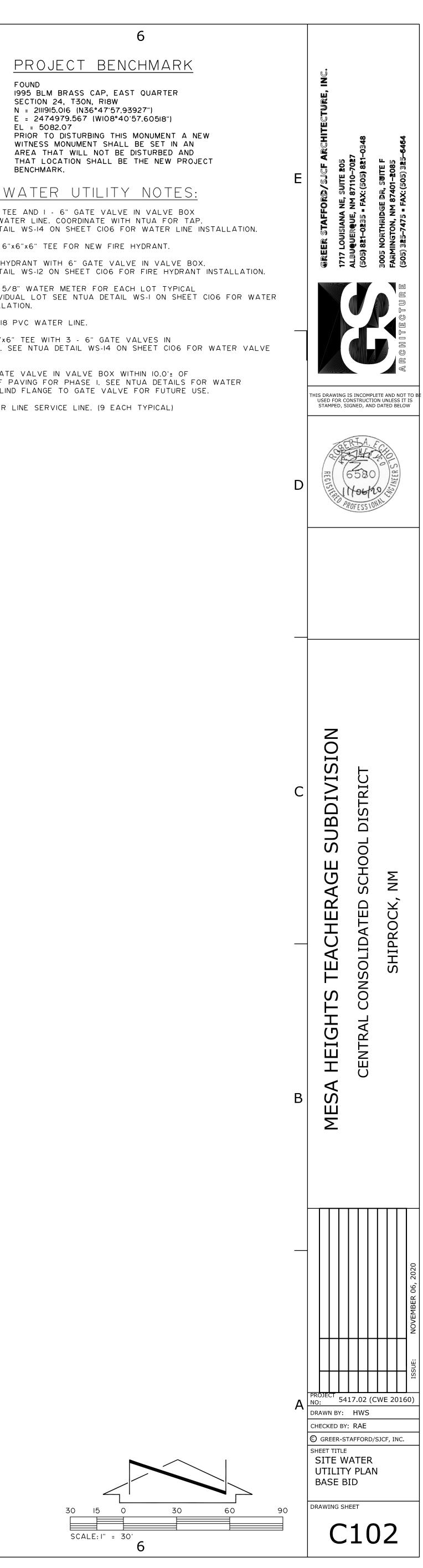
3

### <u>Project</u> benchmark

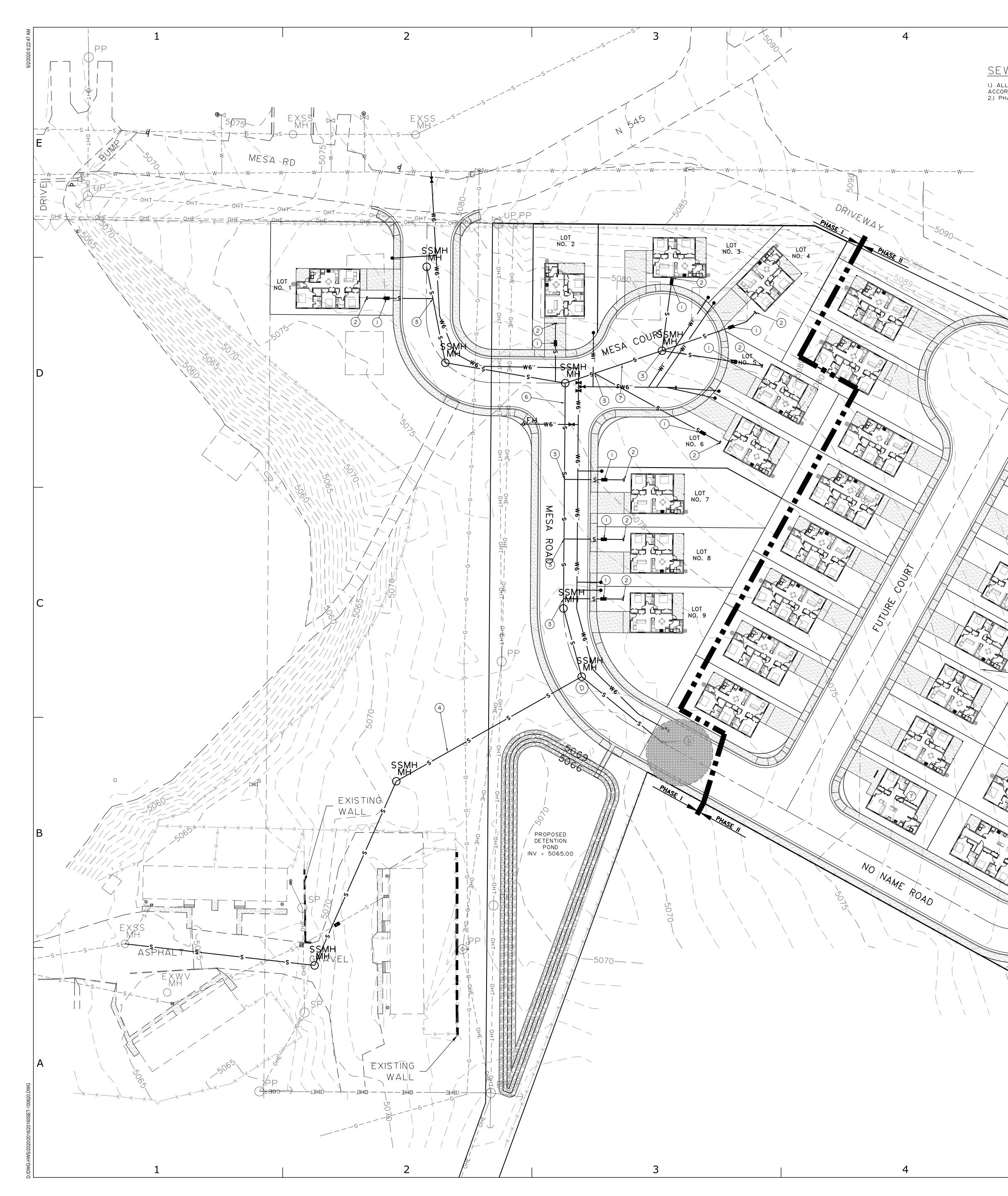
FOUND 1995 BLM BRASS CAP, EAST QUARTER SECTION 24, T3ON, R18W N = 2111915.016 (N36°47'57.93927") E = 2474979.567 (W108°40'57.60518")

KEYED WATER UTILITY NOTES:

- INSTALL NEW TEE AND I 6" GATE VALVE IN VALVE BOX ON EXISTING WATER LINE. COORDINATE WITH NTUA FOR TAP. SEE NTUA DETAIL WS-14 ON SHEET CIO6 FOR WATER LINE INSTALLATION.
- 2) INSTALL NEW 6"x6"x6" TEE FOR NEW FIRE HYDRANT.
- 3 NEW 6" FIRE HYDRANT WITH 6" GATE VALVE IN VALVE BOX. SEE NTUA DETAIL WS-12 ON SHEET CIO6 FOR FIRE HYDRANT INSTALLATION.
- (4) INSTALL NEW 5/8" WATER METER FOR EACH LOT TYPICAL AT EACH INDIVIDUAL LOT SEE NTUA DETAIL WS-I ON SHEET CIO6 FOR WATER METER INSTALLATION.
- 5) 6"¢ C-900 DRI8 PVC WATER LINE.
- (6) INSTALL 6"x6"x6" TEE WITH 3 6" GATE VALVES IN VALVE BOXES. SEE NTUA DETAIL WS-I4 ON SHEET CIO6 FOR WATER VALVE INSTALLATION.
- (7) INSTALL 6" GATE VALVE IN VALVE BOX WITHIN IO.O'± OF THE LIMITS OF PAVING FOR PHASE I. SEE NTUA DETAILS FOR WATER VALVE ADD BLIND FLANGE TO GATE VALVE FOR FUTURE USE.
- (8) I" PEX WATER LINE SERVICE LINE. (9 EACH TYPICAL)



ME



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.

5

5

<u>Project benchmark</u>

FOUND 1995 BLM BRASS CAP, EAST QUARTER SECTION 24, T3ON, RI8W N = 2111915.016 (N36°47'57.93927") E = 2474979.567 (W108°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.

KEYED SEWER UTILITY NOTES:

INSTALL TWO WAY CLEAN OUT ON 4"¢ SCH40 PVC SEWER SERVICE AT EACH INDIVIDUAL LOT. SEE DETAIL I/CIO7. (TYPICAL)

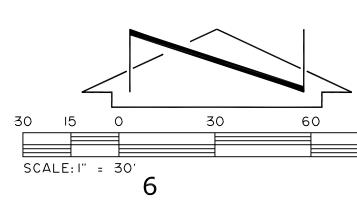
2 4"¢ SCH40 PVC SEWER SERVICE TO WITHIN 5.0' OF FOUNDATION. INVERT SHALL BE DETERMINED FROM FINISH FLOOR ELEVATION MINUS 3.0'±. CAP AND MARK END DURING INSTALLATION AT EACH INDIVIDUAL LOT. (9 EACH TYPICAL)

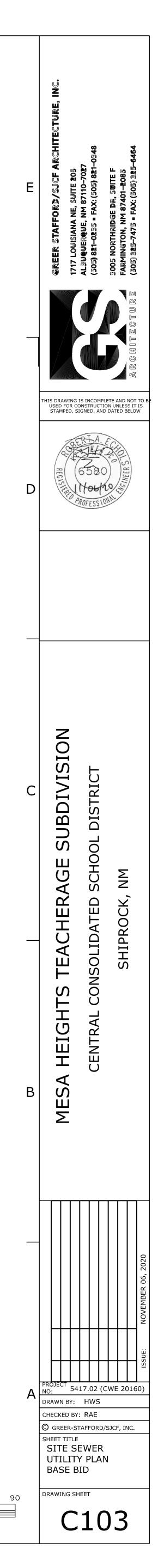
(3) INSTALL A 4"Ø SERVICE LINE TAP ON 8"Ø SEWER LINE. SEE DETAIL WWS-I SHEET CIO7. (9 EACH TYPICAL)

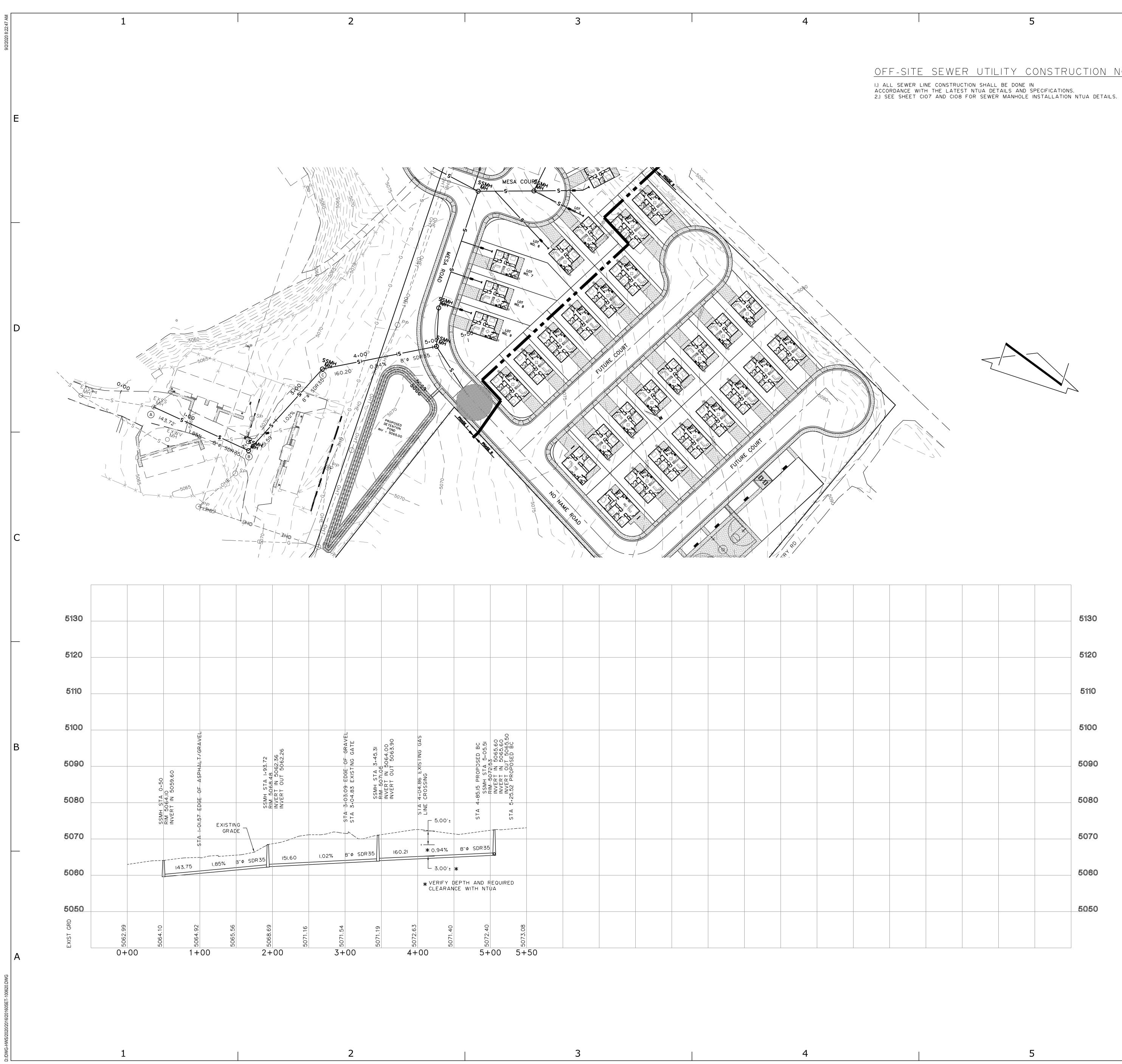
(4) OFF SITE SANITARY SEWER. SEE SHEET CIO4 FOR PLAN AND PROFILE.

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 CIO5 FOR SANITARY SEWER PLAN AND PROFILE IN MESA ROAD FOR PHASE I CONSTRUCTION.
 7 SEE SHEET CIO5 FOR SANITARY SEWER IN MESA COURT FOR PHASE I CONSTRUCTION.







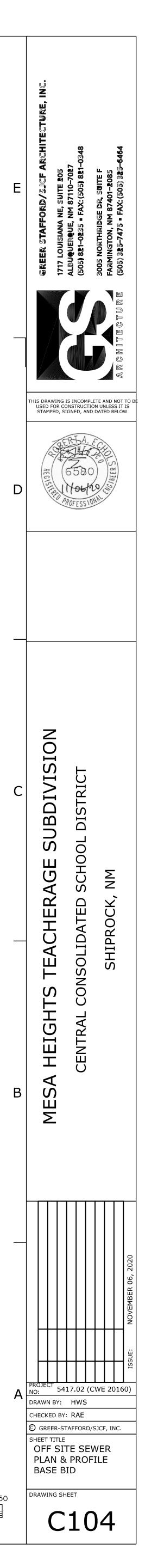
	5130
	5120
	5110
	<b>E100</b>
	5100
Image: Second	5090
	5080
	5070
% 8″¢ SDR35	
	5060
Y DEPTH AND REQUIRED	
Y DEPTH AND REQUIRED RANCE WITH NTUA	
	5050
5071.40 5072.40 5073.08	
5+00 5+50	

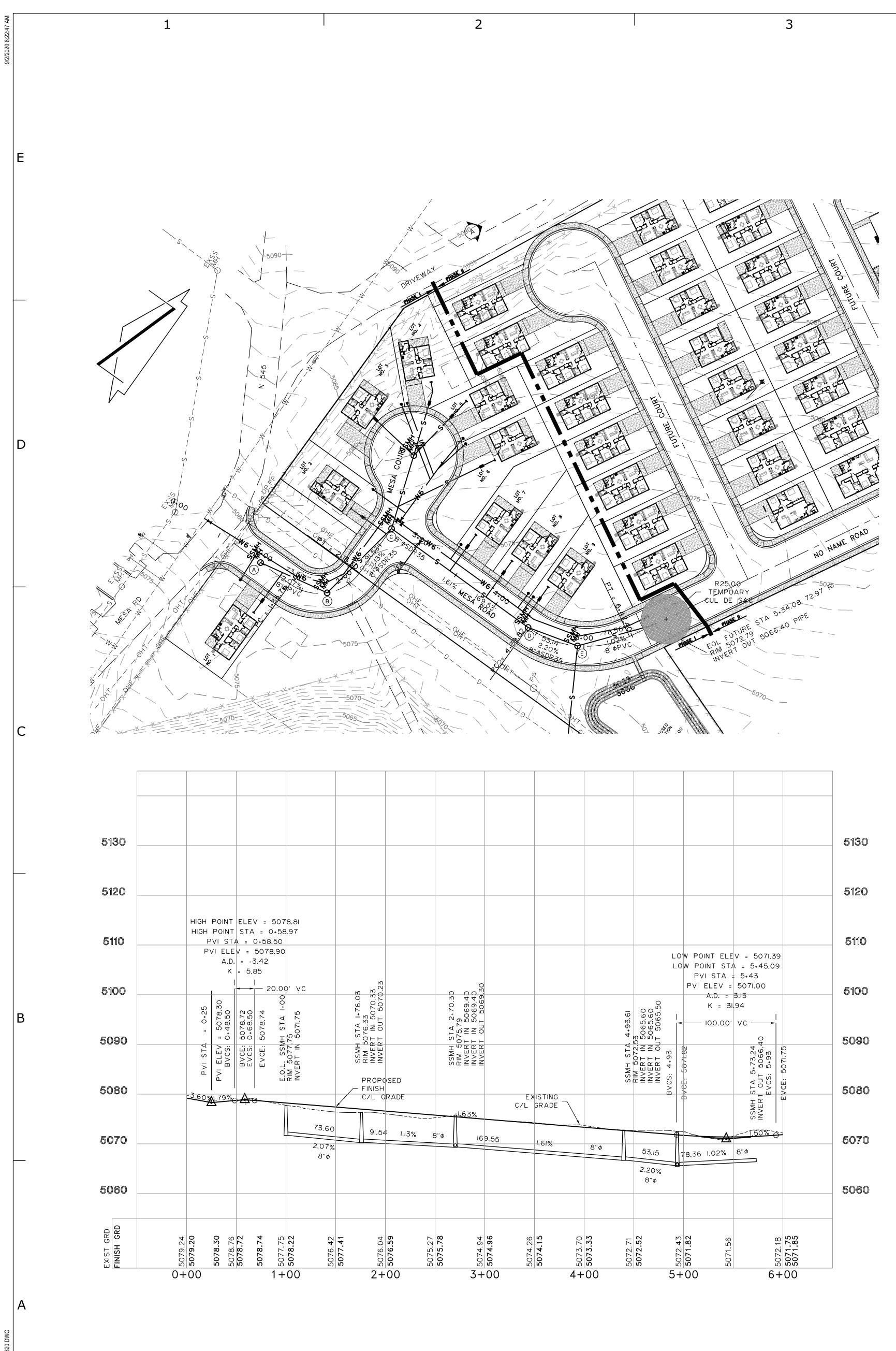
OFF	-SITE	SEWER	UTILITY	CONSTRUCTION	NOTES:

<ul> <li>PLAN MANHOLE LIST:</li> <li>A EXIST SSMH STA 0+50 RIM 5064.10 INVERT IN 5059.60</li> <li>B SSMH STA 1+93.72 RIM 5068.48 INVERT IN 5062.36 INVERT OUT 5062.26</li> <li>C SSMH STA 3+45.31 RIM 5071.05 INVERT IN 5064.00 INVERT OUT 5063.90</li> <li>D SSMH STA 5+05.51 RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60 INVERT IN 5065.60 INVERT OUT 5065.50</li> </ul>		
<ul> <li>RIM 5064.10 INVERT IN 5059.60</li> <li>B SSMH STA 1+93.72 RIM 5068.48 INVERT IN 5062.36 INVERT OUT 5062.26</li> <li>C SSMH STA 3+45.31 RIM 5071.05 INVERT IN 5064.00 INVERT OUT 5063.90</li> <li>D SSMH STA 5+05.51 RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60</li> </ul>	<u>plan Manhole</u>	LIST:
<ul> <li>RIM 5068.48 INVERT IN 5062.36 INVERT OUT 5062.26</li> <li>C SSMH STA 3+45.31 RIM 5071.05 INVERT IN 5064.00 INVERT OUT 5063.90</li> <li>D SSMH STA 5+05.51 RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60</li> </ul>	RIM 5064.10	
<ul> <li>RIM 5071.05 INVERT IN 5064.00 INVERT OUT 5063.90</li> <li>SSMH STA 5+05.51 RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60</li> </ul>	RIM 5068.48 INVERT IN 5062.36	
RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60	RIM 5071.05 INVERT IN 5064.00	
	RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60	

<u>NOTE:</u> I.) PHASE I SCOPE OF WORK IS BASE BID.

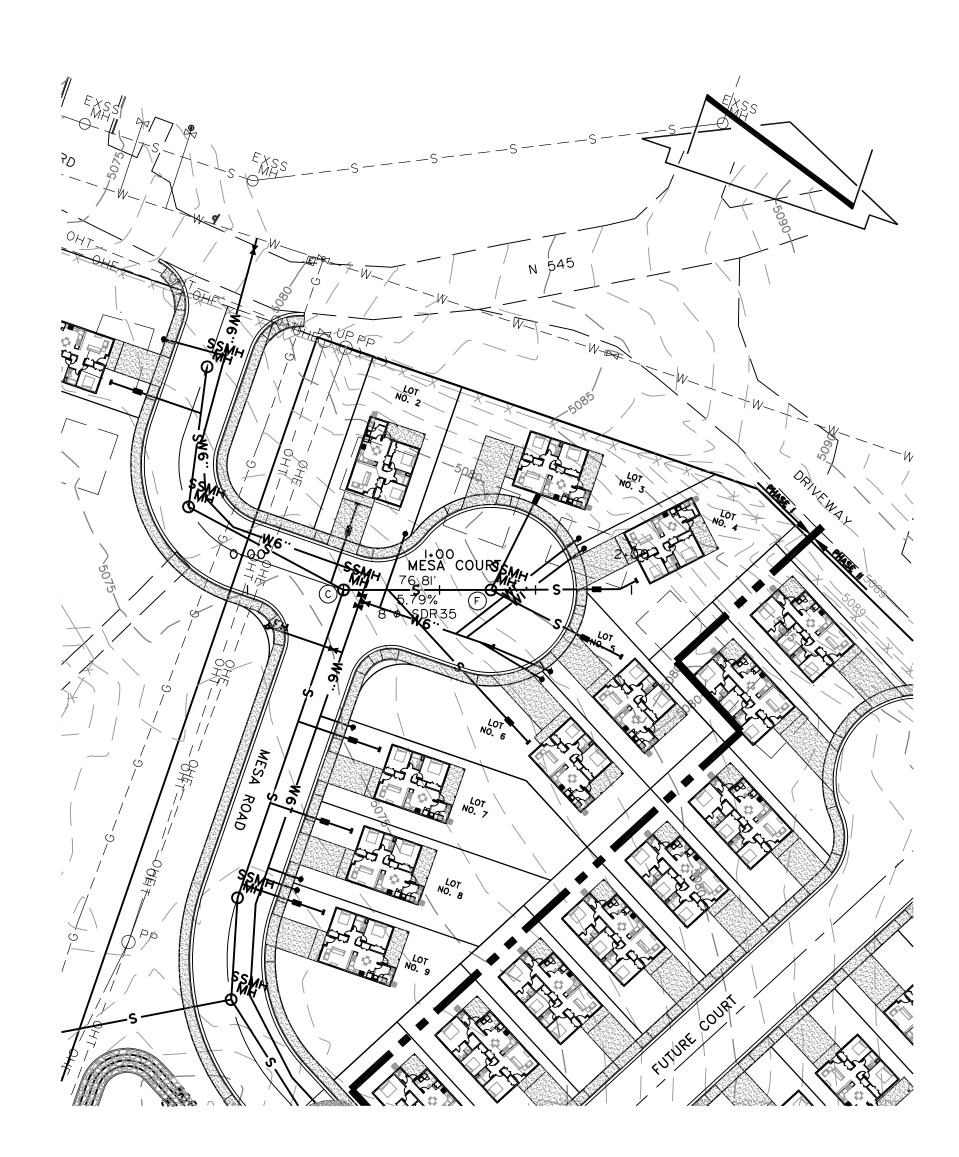
50 25 0 50 100 150 SCALE: I" = 50'H,10'V 6

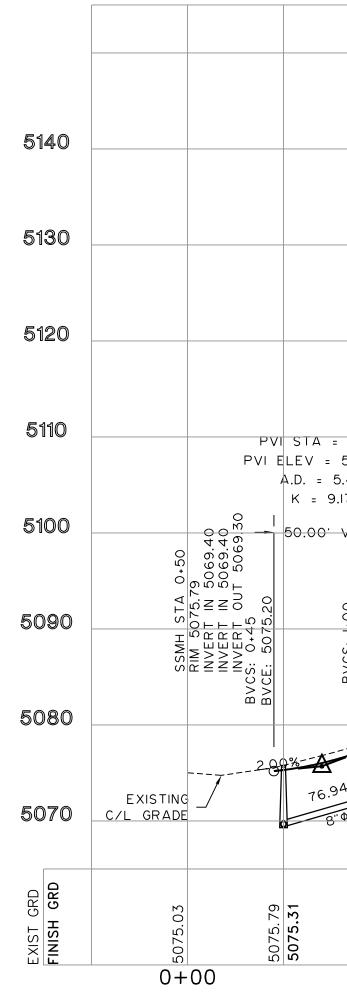




1WS/2020/2016/20160SET-1006

2





3

4

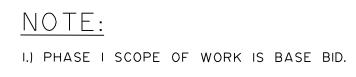
### MAIN SEWER UTILITY CONSTRUCTION NOTES: 1.) ALL SEWER LINE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST NTUA DETAILS AND SPECIFICATIONS. 2.) SEE SHEET CIO7 AND CIOB FOR SEWER MANHOLE INSTALLATION NTUA DETAILS.

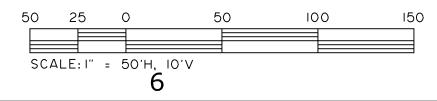
				5140
				5130
				5120
= 0+70	) PVI ELEV	A = 1+25 - 5079.80		5110
5075 5.45 9.17	70 A.D. = K = 50.00' VC	-5.45 9.17		
VC		0		5100
I+00 5077.56	S: 0.95 E: 5077.94 STA 1.26.81 79.85 0UT 5073.85	: 1+50 : 5080.30		
BVCS: 1+( EVCE: 50	EVCS: 00 BVCE: 50 SSMH STA RIM 5079.8 INVERT 0U	EVGS: EVCE:		5090
	•	3.00%		5080
94 5.79	FI	ROPOSED NISH (L GRADE		
94 0.1 3"0 SDF	135			5070
J78.46	<b>5077.56</b> <b>5077.94</b> 5080.32	<b>5080.30</b> <b>5080.70</b> 5080.61		
<sub>یم</sub> 1+	<u>00</u>	<u>ທີ່ທີ່</u> 2+	00	

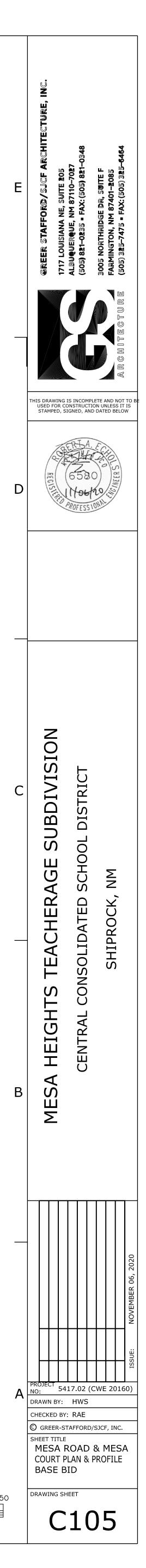
5

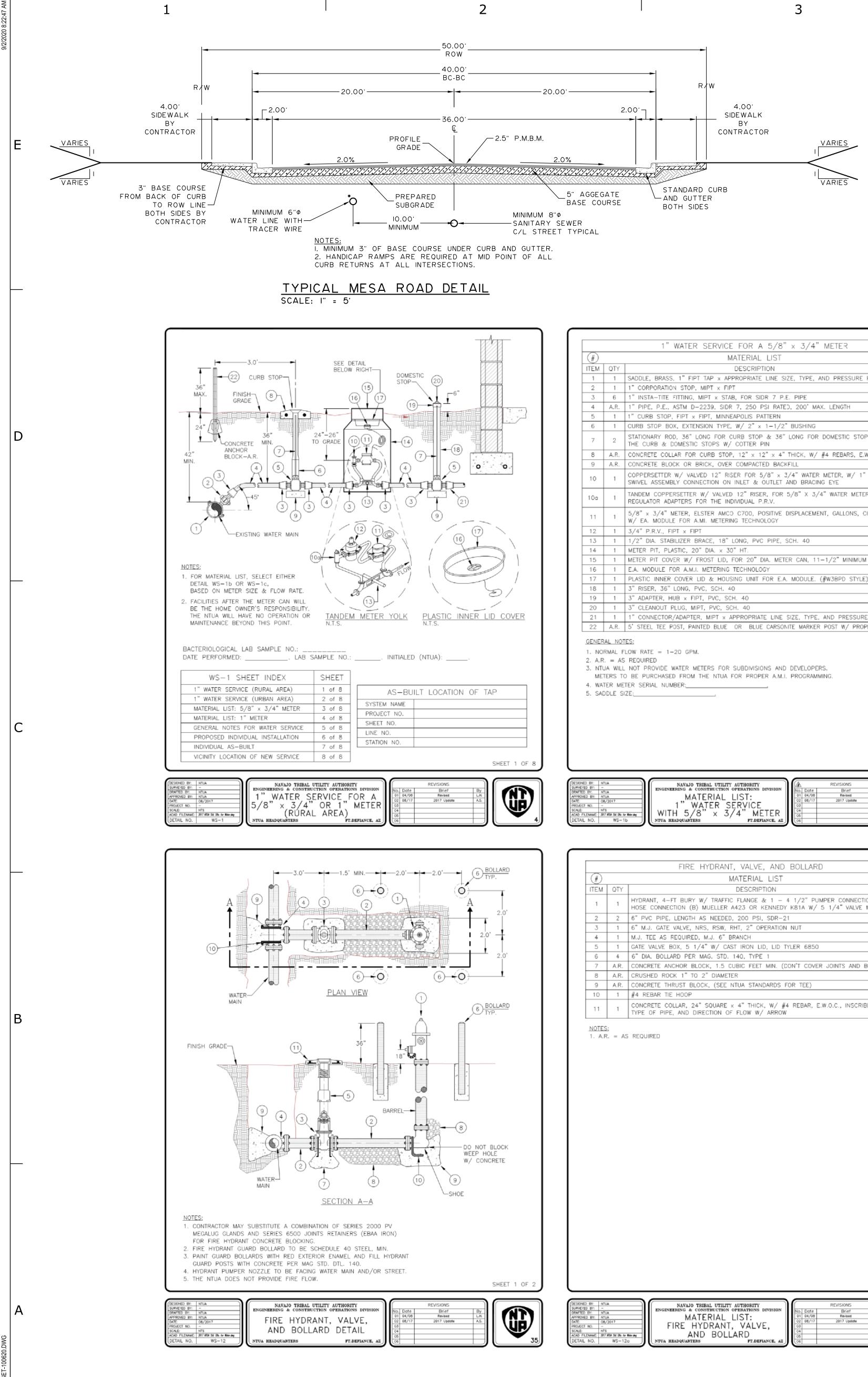
	MANHOLE	PLAN	LIST:
(	A) E.O.L. SSMH STA 14 RIM 5077.75 INVERT IN 5071.75	•00	
	B) SSMH STA 1+76.03 RIM 5076.33 INVERT IN 5070.33 INVERT OUT 5070.3		
	SSMH STA 2+70.30 RIM 5075.79 INVERT IN 5069.40 INVERT IN 5069.40 INVERT OUT 5069.3		
	) SSMH STA 4+39.82 RIM 5072.77 INVERT IN 5066.77 INVERT OUT 5066.4		
	E) SSMH STA 4+93.61 RIM 5072.53 INVERT IN 5065.60 INVERT IN 5065.60 INVERT OUT 5065.8		
	E.O.L. SSMH STA 14 RIM 5079.85 INVERT OUT 5073.8		

6

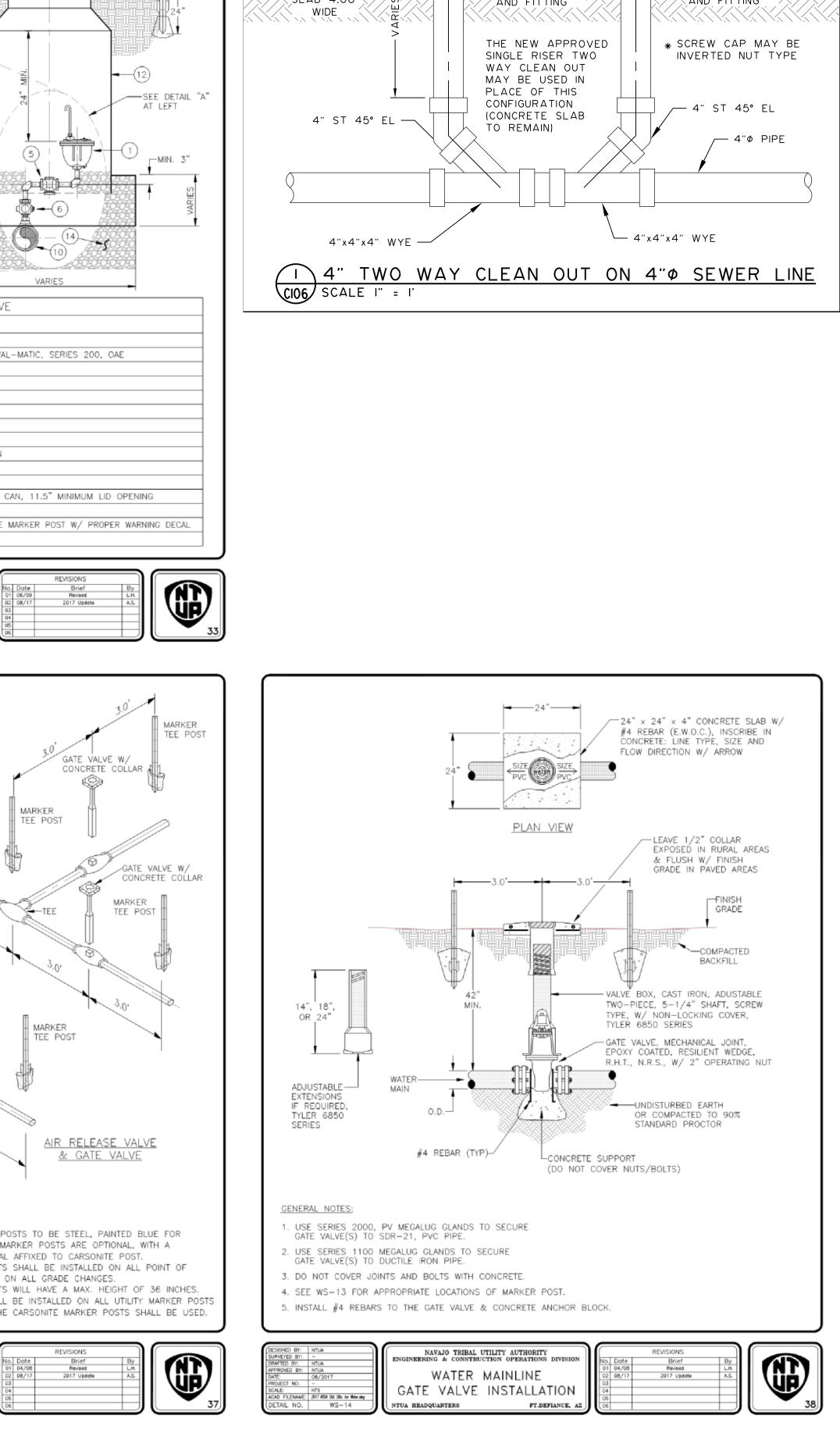


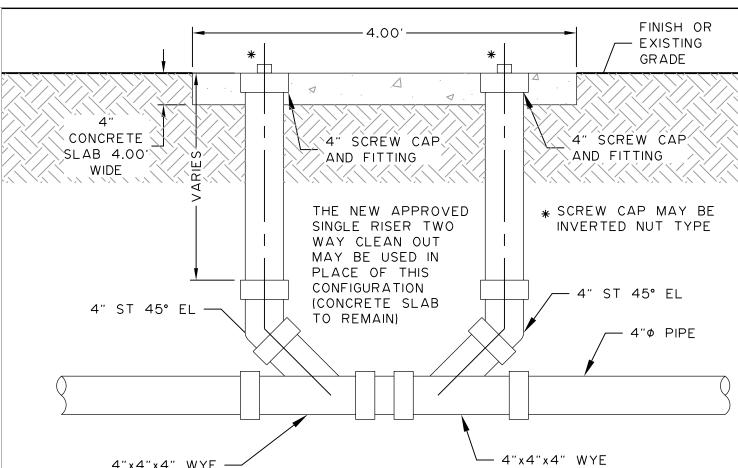


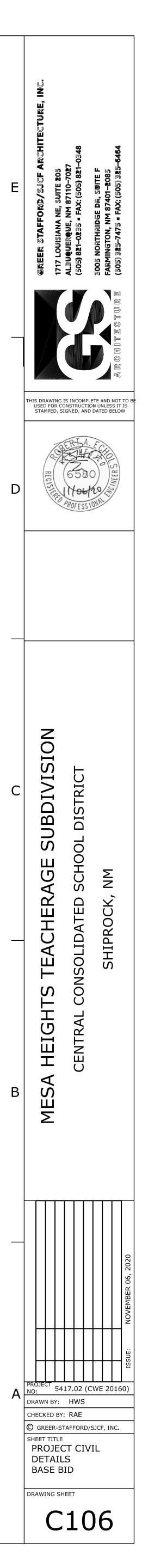


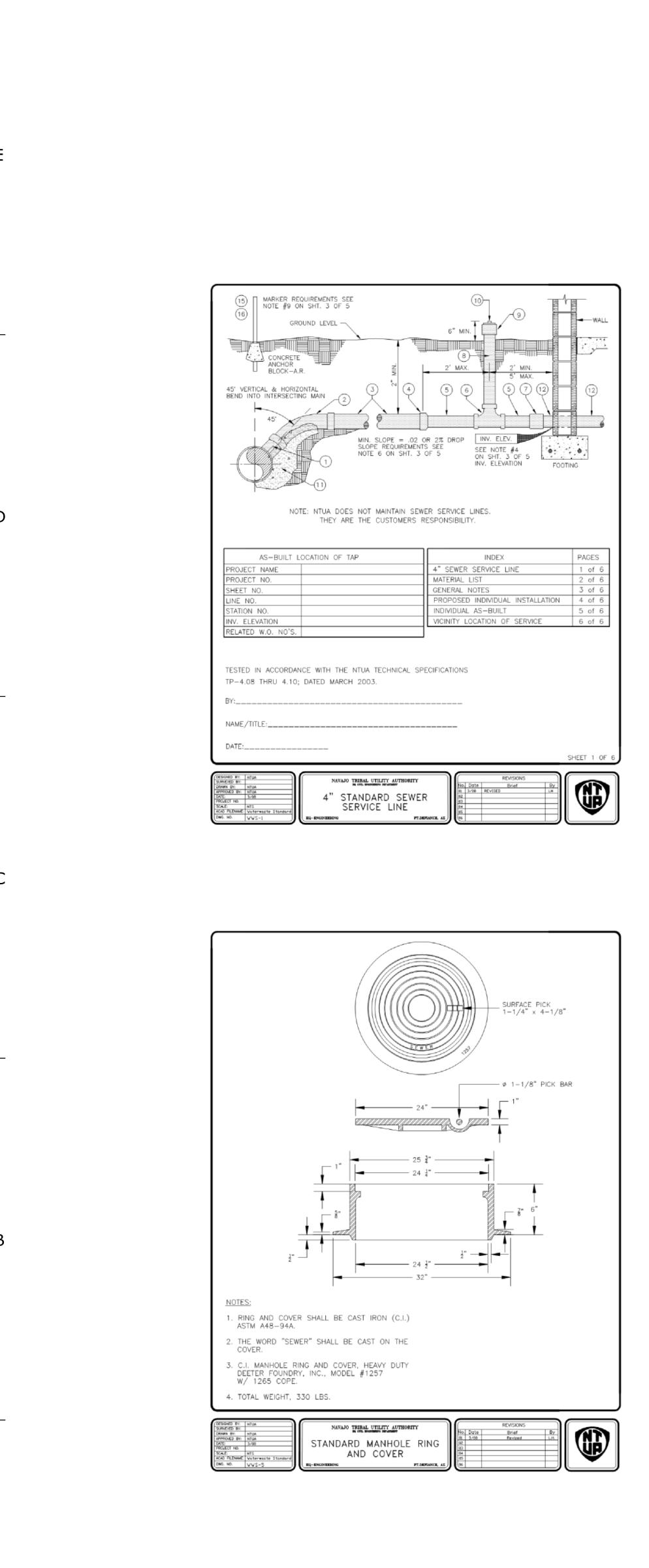


		1" WATER SERVICE FOR A 5/8" × 3/4" METER	一 3.0'
#		MATERIAL LIST	DETAIL "A"
ITEM 1	QTY 1	DESCRIPTION SADDLE, BRASS, 1" FIPT TAP × APPROPRIATE LINE SIZE, TYPE, AND PRESSURE RATING	DETAIL "A" N.T.S.
2	1	1" CORPORATION STOP, MIPT × FIPT 1" INSTA-TITE FITTING, MIPT × STAB, FOR SIDR 7 P.E. PIPE	
4	A.R.	1" PIPE, P.E., ASTM D-2239, SIDR 7, 250 PSI RATED, 200' MAX. LENGTH 1" CURB STOP, FIPT × FIPT, MINNEAPOLIS PATTERN	
5	1	CURB STOP BOX, EXTENSION TYPE, W/ 2" x 1-1/2" BUSHING	
7	2	STATIONARY ROD, 36" LONG FOR CURB STOP & 36" LONG FOR DOMESTIC STOP, SECURED TO THE CURB & DOMESTIC STOPS W/ COTTER PIN	
8	A.R. A.R.	CONCRETE COLLAR FOR CURB STOP, 12" × 12" × 4" THICK, W/ #4 REBARS, E.W.O.C., SLOPE @ 2% CONCRETE BLOCK OR BRICK, OVER COMPACTED BACKFILL	
10	1	COPPERSETTER W/ VALVED 12" RISER FOR 5/8" × 3/4" WATER METER, W/ 1" I.P. UNION NUT/ SWIVEL ASSEMBLY CONNECTION ON INLET & OUTLET AND BRACING EYE	
10a	1	TANDEM COPPERSETTER W/ VALVED 12" RISER, FOR 5/8" X 3/4" WATER METER, W/ TWO	
11	1	REGULATOR ADAPTERS FOR THE INDIVIDUAL P.R.V. 5/8" × 3/4" METER, ELSTER AMCO C700, POSITIVE DISPLACEMENT, GALLONS, COMPLETE	
12	1	W/ EA. MODULE FOR A.MI. METERING TECHNOLOGY 3/4" P.R.V., FIPT x FIPT	
13 14	1	1/2" DIA. STABILIZER BRACE, 18" LONG, PVC PIPE, SCH. 40 METER PIT, PLASTIC, 20" DIA. × 30" HT.	
15	1	METER PIT COVER W/ FROST LID, FOR 20" DIA. METER CAN, 11-1/2" MINIMUM LID OPENING	
16 17	1	E.A. MODULE FOR A.M.I. METERING TECHNOLOGY PLASTIC INNER COVER LID & HOUSING UNIT FOR E.A. MODULE. (#W3BPD STYLE)	
18 19	1	3" RISER, 36" LONG, PVC, SCH. 40 3" ADAPTER, HUB × FIPT, PVC, SCH. 40	COMBINATION AIR VALVE
20 21	1	3" CLEANOUT PLUG, MIPT, PVC, SCH. 40 1" CONNECTOR/ADAPTER, MIPT × APPROPRIATE LINE SIZE, TYPE, AND PRESSURE RATING	(#) MATERIAL LIST
22	A.R.	5' STEEL TEE POST, PAINTED BLUE OR BLUE CARSONITE MARKER POST W/ PROPER WARNING DECAL	ITEM         QTY         DESCRIPTION           1         1         COMBINATION AIR VALVE, 1" INLET AND 1/2" OUTLET, VAL-MATH
	RMAL F	<u>IES:</u> ILOW RATE = 1-20 GPM.	2 3 1" × 3" NIPPLE, BRASS 3 2 1" × 90" ELBOW, BRASS
		REQUIRED NOT PROVIDE WATER METERS FOR SUBDIVISIONS AND DEVELOPERS.	4 1 1" × 6" NIPPLE, BRASS 5 1 1" CURB STOP, FIPT × FIPT
		D BE PURCHASED FROM THE NTUA FOR PROPER A.M.I. PROGRAMMING. TER SERIAL NUMBER:	6 1 1" CORPORATION STOP, MIPT × FIPT
5. SA(	DDLE S	IZE:	7     1     ADAPTER, 1/2" MIPT x 1/2" COMPRESSION, BRASS       8     1     3/8" PIPE, COPPER, 12" MIN., FIELD SHAPE AS SHOWN
			9 – NOT USED 10 1 SADDLE, BRASS, 1" TAP × APPROPRIATE LINE SIZE
			11     1     METER PIT COVER W/ FROST LID, FOR 20" DIA. METER CAN, 1       12     1     METER PIT, PLASTIC, 20" DIA. x 30" HT.
			13 2 5' STEEL TEE POST, PAINTED BLUE OR BLUE CARSONITE MARKE 14 3 CF 1" TO 2" FILTER ROCK/CLEAN GRAVEL
		SHEET 3 OF 8	
NED BY: N EYED BY: - TED BY: N	TUA TUA	NAVAJO TRIBAL UTILITY AUTHORITY ENGINEERING & CONSTRUCTION OPERATIONS DIVISION MATERIAL LIST.	DESIGNED BY: NTUA NAVAJO TRIBAL UTILITY AUTHORITY
OVED BY: N		The second	Image: Notation of the second secon
ECT NO	TUA 8/2017 TS		APPROVED BY: NIUA APPROVED BY: NIUA DATE: 06/2017 PROVECT ND
ECT NO	TUA 8/2017 TS	1"WATER SERVICE WITH 5/8" x 3/4" METER	APPROVED BY: NIUA DATE: 08/2017 PROJECT NO COMBINATION AIR VALVE
ECT NO E: N FILENAME: 20	TUA 8/2017 TS 17 Mich Sol Dis 1	1"WATER SERVICE WITH 5/8" × 3/4" METER	APPROVED BY: NULA DATE: 08/2017 PROJECT NO SCALE: NTS ACAO FILENAME: 2017 KDI 94 0k for Klandey COMBINATION AIR VALVE DETAIL
ECT NO E: N FILENAME: 20	TUA 8/2017 TS 17 Mich Sol Dis 1	1"WATER SERVICE WITH 5/8" × 3/4" METER NTUA HEADQUARTERS FT.DEFIANCE, AZ	APPROVED BY: NULA DATE: 08/2017 PROJECT NO SCALE: NTS ACAO FILENAME: 2017 KDI 94 0k for Klandey COMBINATION AIR VALVE DETAIL
ECT NO E: N FILENAME: 20	TUA 8/2017 TS 17 Mich Sol Dis 1	1"WATER SERVICE WITH 5/8" × 3/4" METER	APPROVED BY: NULA DATE: 08/2017 PROJECT NO SCALE: NTS ACAO FILENAME: 2017 KDI 94 0k for Klandey COMBINATION AIR VALVE DETAIL
ECT NO N FILENAME: 20 NIL NO.	тца 8/2017 тя 17 Мая за рас WS—1	1" WATER SERVICE         WITH 5/8" x 3/4" METER         10         Intua HEADQUARTERS         FIRE HYDRANT, VALVE, AND BOLLARD         MATERIAL LIST         DESCRIPTION	Image: Date is and approved by: NULA         DATE:       06/2017         PROJECT NO.       -         SCALE:       NTS         ACAD FILENAME:       2017 KBR Set die for Heindey         DETAIL       NO.         WS-10       NTUA HEADQUARTERS
EET NO. FILENAME 30 AUL NO.	TUA B/2017 TS WS-' WS-' 1	1" WATER SERVICE         1" WATER SERVICE         WITH 5/8" x 3/4" METER         10         10         FIRE HYDRANT, VALVE, AND BOLLARD         MATERIAL LIST         DESCRIPTION         HYDRANT, 4-FT BURY W/ TRAFFIC FLANGE & 1 - 4 1/2" PUMPER CONNECTION (A) 2 - 2 1/2"         HYDRANT, 4-FT BURY W/ TRAFFIC FLANGE & 1 - 4 1/2" PUMPER CONNECTION (A) 2 - 2 1/2"	COMBINATION AIR VALVE DATE: 06/2017 PROJECT NO SCALE: MTS ACAO FILENAME: 2017 RUB SI BLE GE REINDAY DETAIL NO. WS-10 COMBINATION AIR VALVE DETAIL NTUA HEADQUARTERS PT.DEFIANCE, AZ GATE VALVE & TEE MARKER TEE POST
EET NO. FILENAME NUL NO.	TUA B6/2017 TS WS-' WS-'	1"WATER SERVICE         WITH 5/8" x 3/4" METER         10         Intua HEADQUARTERS         FIRE HYDRANT, VALVE, AND BOLLARD         MATERIAL LIST         DESCRIPTION         Hydrant, 4-ft bury W/ traffic flange & 1 - 4 1/2" PUMPER CONNECTION (A) 2 - 2 1/2"	CONCRETE ACRO CONCRETE
ITEM	TUA B/2017 TS WS-' WS-' 1	1" WATER SERVICE WITH 5/8" x 3/4" METER NTUA HEADQUARTERS       Image: Construction of the second seco	Imperiod BT       Initial MAPROVED BT       Initial BAPROVED BT
EET NO. FILENAME 30 AUL NO. ITEM 1 2 3 4	TUA B/2017 TS WS-' WS-' 1	Image: Service with 5/8" x 3/4" METER meters         Image: Service with 5/8" meters <td< td=""><td>CONCRETE AC</td></td<>	CONCRETE AC
EET NO. FILENAME: 30 NUL NO. ITEM 1 2 3 4 5 6 7 8	UA B/2017 TS VI MIN 94 Dis 0 WS	Image: Construction of the second	COMBINATION AIR VALVE DETAIL MARKER TEE POST MARKER TEE POST
EET NO. E FILENAME: 30 AUL NO. ITEM 1 2 3 4 5 6 7	TUA B/2017 TS WS-' WS-' 1 1 1 1 1 1 4 4 A.R.	1" WATER SERVICE         WITH 5/8" x 3/4" METER         Image: Nota HEADQUARTERS         PT.DEFIANCE. AZ         Image: Nota HEADQUARTERS         Image: Nota HEADQU	COMBINATION AIR VALVE DETAIL DETAIL NO
EET NO. E FILENAME: 30 AUL NO. ITEM 1 2 3 4 5 6 7 8 9	UA B/2017 TS VI MIN 94 Dis 0 WS	Image: Strategy of the state of the strategy of the state of the	COMBINATION AIR VALVE DETAIL DETAIL NO. TO BEAG DETAIL NO. TO BEAG DETAIL NO. TO BEAG DETAIL NO. TO BEAG DETAIL N
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL DETAIL DETAIL DETAIL NUA HEADQUARTERS TO BETAIL NUA HEADQUARTERS TO BETAIL NUA HEADQUARTERS TO BETAILS TO BETA
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	1       WATER SERVICE WITH 5/8" × 3/4" METER NTUA BEADQUARTERS       1000 000100000000000000000000000000000	COMBINATION AIR VALVE DETAIL DETAIL NO. WS-10 COMBINATION AIR VALVE DETAIL NTUA HEADQUARTERS PT.DEFIANCE. AZ CONCRETE ACCONCRETE
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL DETAIL DETAIL DETAIL NUA HEADQUARTERS TO BETAIL NUA HEADQUARTERS TO BETAIL NUA HEADQUARTERS TO BETAILS TO BETA
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL NTUA READQUARTERS PLOEPIANCE. AS CONCRETE AC
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL NO. WS-10 COMBINATION AIR VALVE DETAIL TTO A HEADQUARTERS TO DETAIL TTO A HEADQUARTERS TO DETAIL TO DETAIL TO A HEADQUARTERS TO DETAIL TO DE
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE <u>DETAIL</u> <u>BEINL NO.</u> <u>BEINL NO.</u>
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE <u>DETAIL</u> <u>BEINL NO.</u> <u>BEINL NO.</u>
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL DETAIL DETAIL TO READOUNTERS
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL <u>DETAIL NO.</u> <u>DETAIL NO.</u>
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL DETAIL NO.
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	COMBINATION AIR VALVE DETAIL DETAIL NO. DETAIL NO.
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	Improve the state where the sta
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	Image: Additional difference       COMBINATION AIR VALVE DETAIL       TOTAL REALTING         Intermediation       Intermediation       TOTAL REALTING       Intermediation         Intermediation       Intermediation       Intermediation       Intermediation       Intermediation         Intermediation       Intermediation       Intermediation       Intermediation       Intermediation         Intermediation       Intermediation       Intermediation       Intermediation       Intermediation         Intermediation       Intermediation       Intermediation       Intermediation
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	Image: Non-State       COMBINATION AIR VALVE DETAIL       TOWERNAME         Intervention       Intervention       Intervention         Intervention       Intervention<
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	Image: Note of the series o
EET NO. FILENAME: 30 NIL NO. ITEM 1 2 3 4 5 6 7 8 9 10 11 NOTE	TUA B/2017 TS TS WS-' WS-' WS-' US-' US-' 1 1 1 1 1 4 A.R. A.R. A.R. 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: Concrete Angle A	Image: Non-Additional Structure       COMBINATION AIR VALVE DETAIL       TENERANCE ADDITION         Image: Non-Additional Structure
Image: No.	TUA B/2017 TS WS-/ WS-/ UNIS 94 104 0 WS-/ UNIS 94 104 0 WS-/ 1 1 1 1 1 1 1 1 1 1 1 1 1		Image: Note of the series o
Image: No.	ТЦА 8/2017 TS VIVIDI 94 106 9 WS-' VS-' 1 1 1 1 1 4 А.R. А.R. 1 1 1 Х. К. = А	<form></form>	
Image: No.	тиа в/2017 тя WS-/ WS-/ UMBI 94 106 / WS-/ UMS-/	<form></form>	

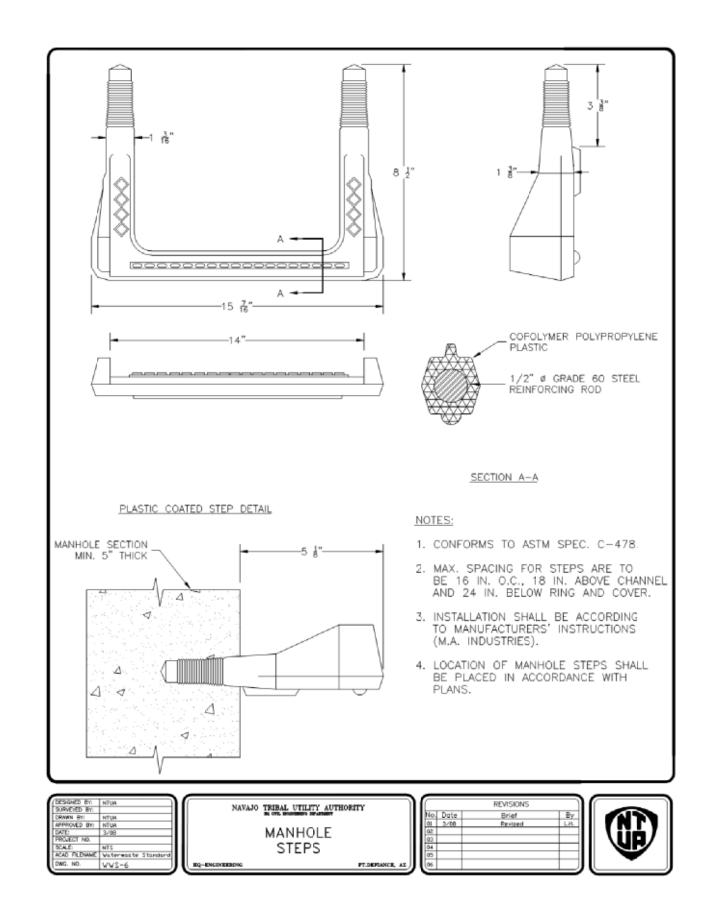








2



3

3. ITEM 7 MAY	REQUIRED USUALLY DONE BY THE HOME BE MODIFIED AS REQUIRED. E AFFIXED TO ITEM 15**.	OWNER.	
			SHEET 2 OF 6
DESCRED IN: INTUA SUMMERED 81: DRAWN B1: NTUA APPROVED B1: NTUA DATE: 32-06 PROVED 100 SCALE: NTS ACAD FILENAME Vaterwaste Standard DWG. NO. W/V/S-10	MAVAJO TRIBAL UTILITY AUTHORI IN UTIL BEODERING STATEST MATERIAL LIST 4 STANDARD SEWER SE	" <sup>11</sup> 3/08 <sup>13</sup>	REVISIONS Brief By Pevised L.H.

MATERIAL LIST

4" x 45' ELBOW, SDR-35, PVC, GASKET x GASKET

3" ADAPTER, HUB x FIPT, PVC-DWV, ASTM D-2665

3" PLUG, CLEAN OUT, MIPT, PVC-DWV, ASTM D-2665

1 HOUSE STUB-OUT, APPROPRIATE PIPE TYPE and O.D.

A.R. 3" PIPE, PVC-DWV, ASTM D-2665. (FT.)

A.R. 3" RISER, PVC-DWV, ASTM D-2665. (FT.)

3" COUPLING, PVC-DWV, ASTM D-2665.

ASTM D-2665

DESCRIPTION

A.R. 4" PIPE, SDR-35, PVC, INTEGRAL BELL with ELASTOMERIC GASKET. (FT.)

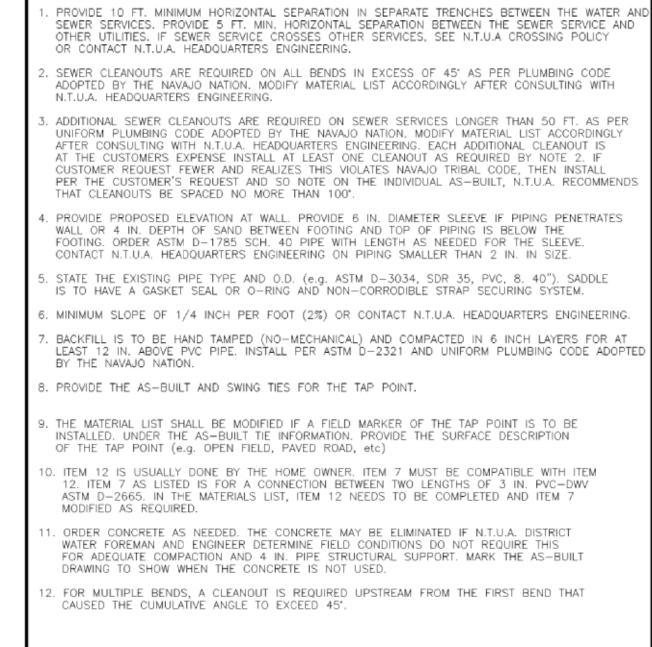
1 3" TEE, PVC-DWV, HUB x HUB, ASTM D-2665 with a SINGLE RISER.

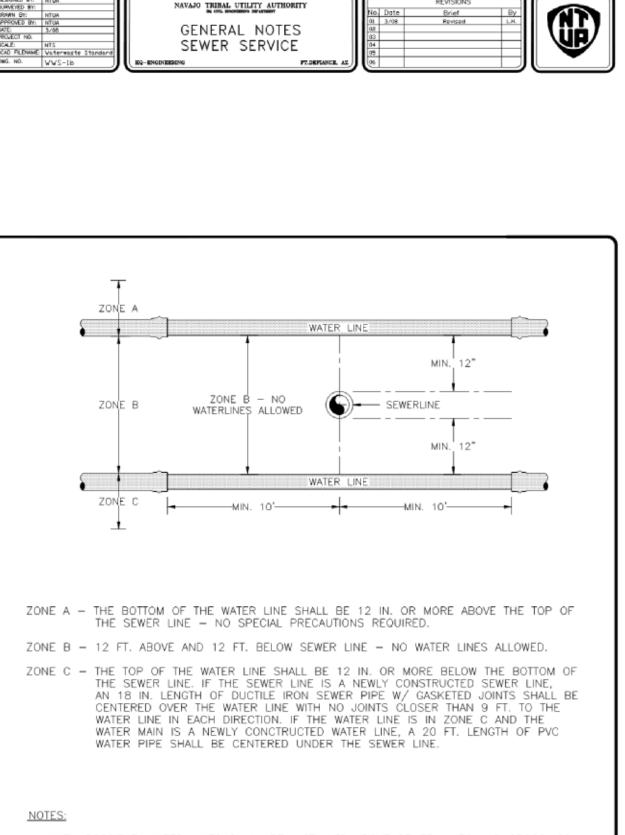
ADAPTER, REDUCING, 4" SDR-35, PVC, ASTM D-3034 x 3" PVC-DWV,

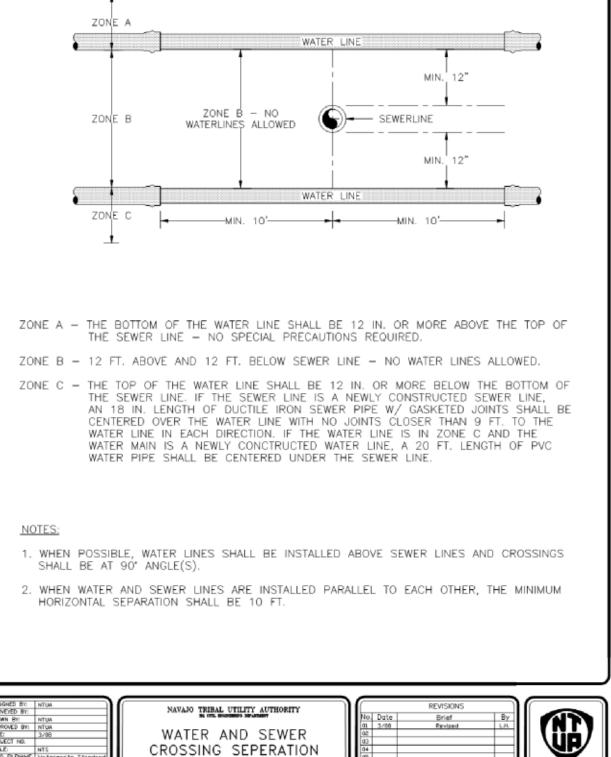
45" WYE or SADDLE, 4" SDR-35, PVC x APPROPRIATE PIPE TYPE and O.D.

CONCRETE, PRE-MIX, (FIELD DETERMINE AS REQUIRED FOR PIPE SUPPORT)

13 1	CEMENT, SOLVENT, PVC. (QUART CAN)	
14 1	CLEANER, PVC PIPE. (QUART CAN)	
15 A.R.	GREEN CARSONITE MARKER POST	
16 A.R.	"NTUA SEWERLINE WARNING" DECAL (for Item 15) * *	
2. ITEM 12 3. ITEM 7	AS REQUIRED IS USUALLY DONE BY THE HOME OWNER. MAY BE MODIFIED AS REQUIRED. O BE AFFIXED TO ITEM 15**.	







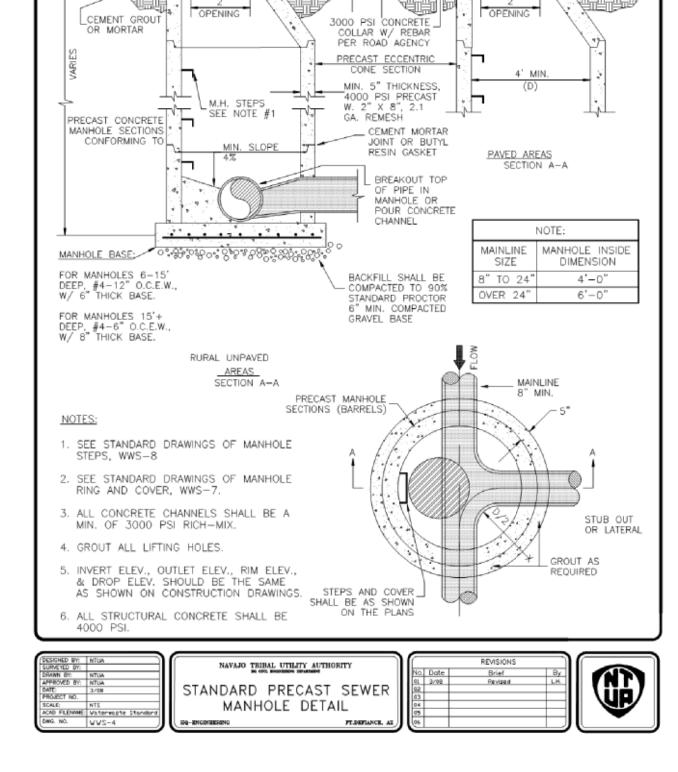
CROSSING SEPERATION

ENGINEERING

FT.DEFTANCE,

FILENAME: Vaterwas

GENERAL NOTES:



CONCRETE -

MIN. 12"-

NOTES:

NOTES:

ROVED BY: NTUA C: 3/08 JECT NO.

FILENAME: Waterwaste 1

4 . . . 4 . . . .

ENCASEMENT OF THE SEWER LINE IS REQUIRED, OTHERWISE, SEE NOTE BELOW.

DETAIL

Q-ENGINEERING

PT.DEPIANCI

<u>NOTE:</u> I.) PHASE I SCOPE OF WORK IS BASE BID.

PAVEMENT

6

MANHOLE RING AND COVER SEE NOTE #2

PRECAST CONCRETE

GRADE RING - 6"

SHEET 3 OF 6 

5

2 – #4 CONT. REBAR 3" CLEARANCE #4 REBAR AT 36" O.C. VARIABLE #4 CONT. REBAR • EQUALLY SPACED CLEARANCE A. 4. SANITARY SEWER AS . SHOWN ON PLANS CONCRETE ENCASEMENT DETAIL WHERE A WATER LINE PASSES BENEATH AN <u>EXISTING</u> SEWER LINE LESS THAN 12 IN., THE SEWER LINE SHALL BE ENCASED IN CONCRETE 6 IN. THICK AS DETAILED FOR NO LESS THAN 6 FT. ON EACH SIDE OF THE WATER LINE, <u>OR</u> THE SEWER LINE SHALL BE DUCTILE IRON PIPE WITH PRESSURE-TYPE JOINTS NO CLOSER THAN 10 FT. ON EACH SIDE OF THE WATER LINE. THIS SHALL ALSO APPLY WHERE A PARALLEL WATER LINE IS LESS THAN 10 IN. HORIZONTALLY AND LESS THAN 12 IN. ABOVE THE SEWER LINE. NAVAJO TRIBAL UTILITY AUTHORITY SEWER CROSSING &

. . A.

WATER LINE

6'-0" FROM

O.D. OF PIPE

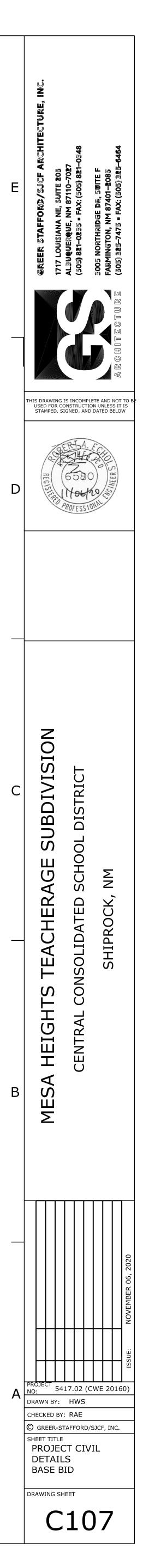
Q;

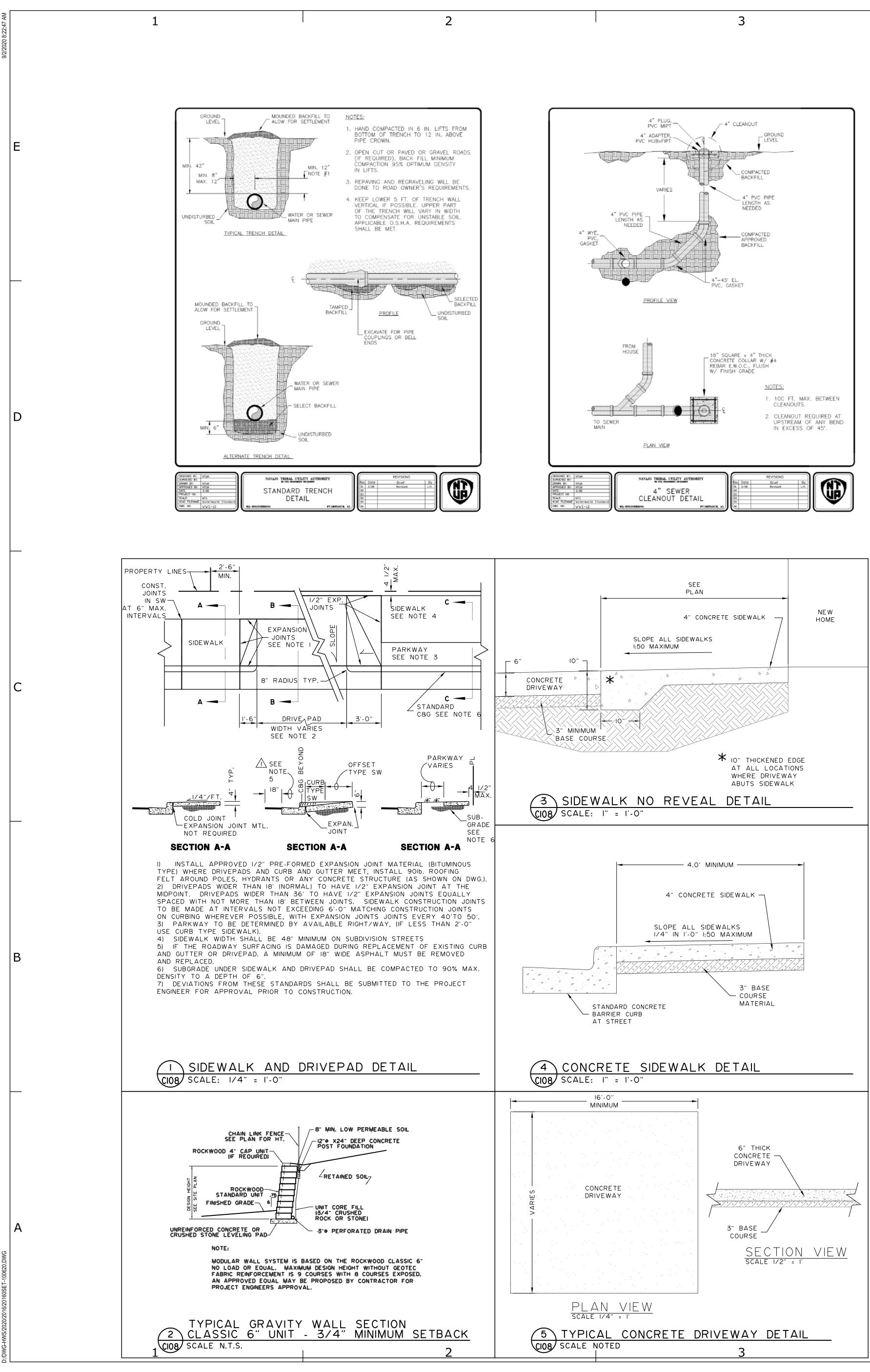
SEWER CROSSING

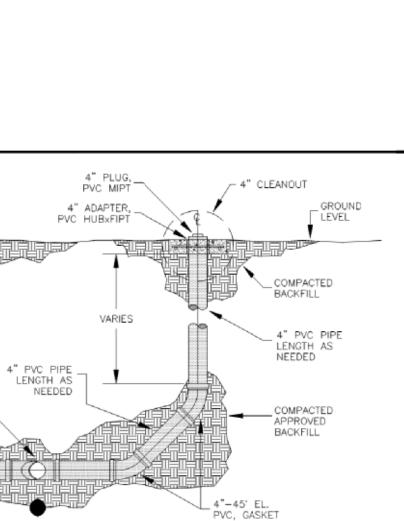
------VARIABLE--------

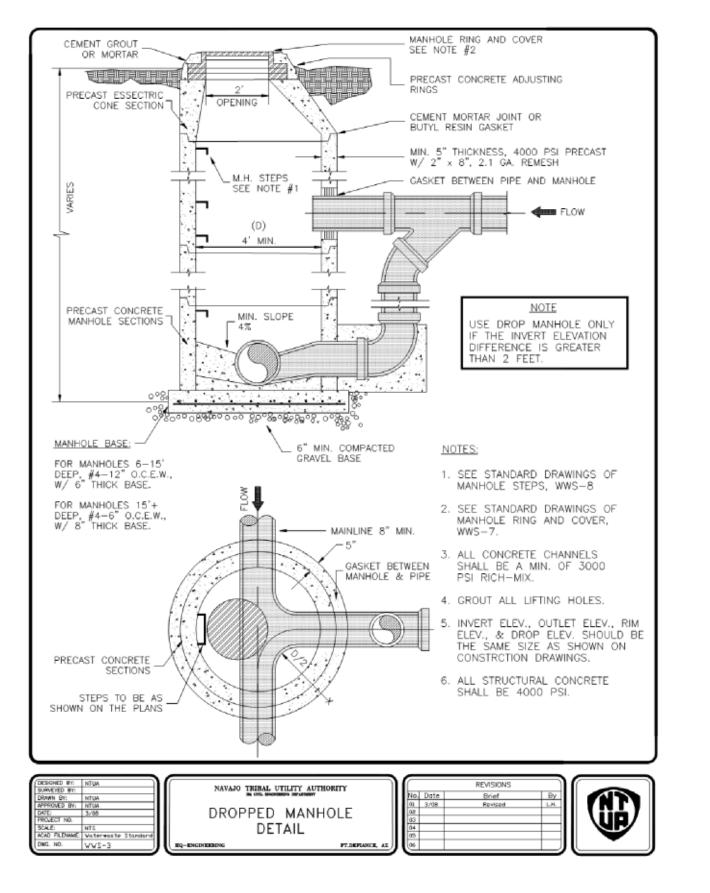
IF WATER LINE IS INSTALLED CLOSER THAN 12 IN. UNDER AN EXISTING SEWER LINE, A CONCRETE

Ø CONCRETE ENCASEMENT



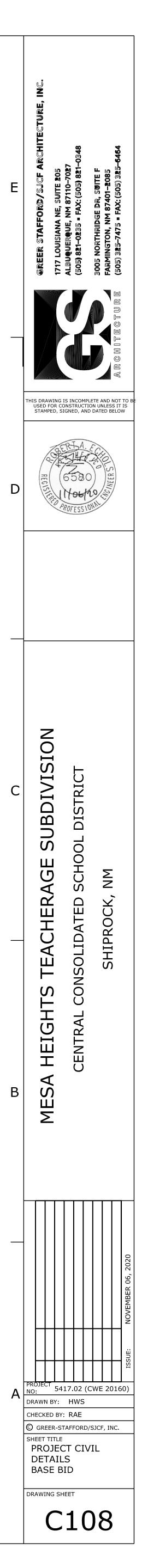


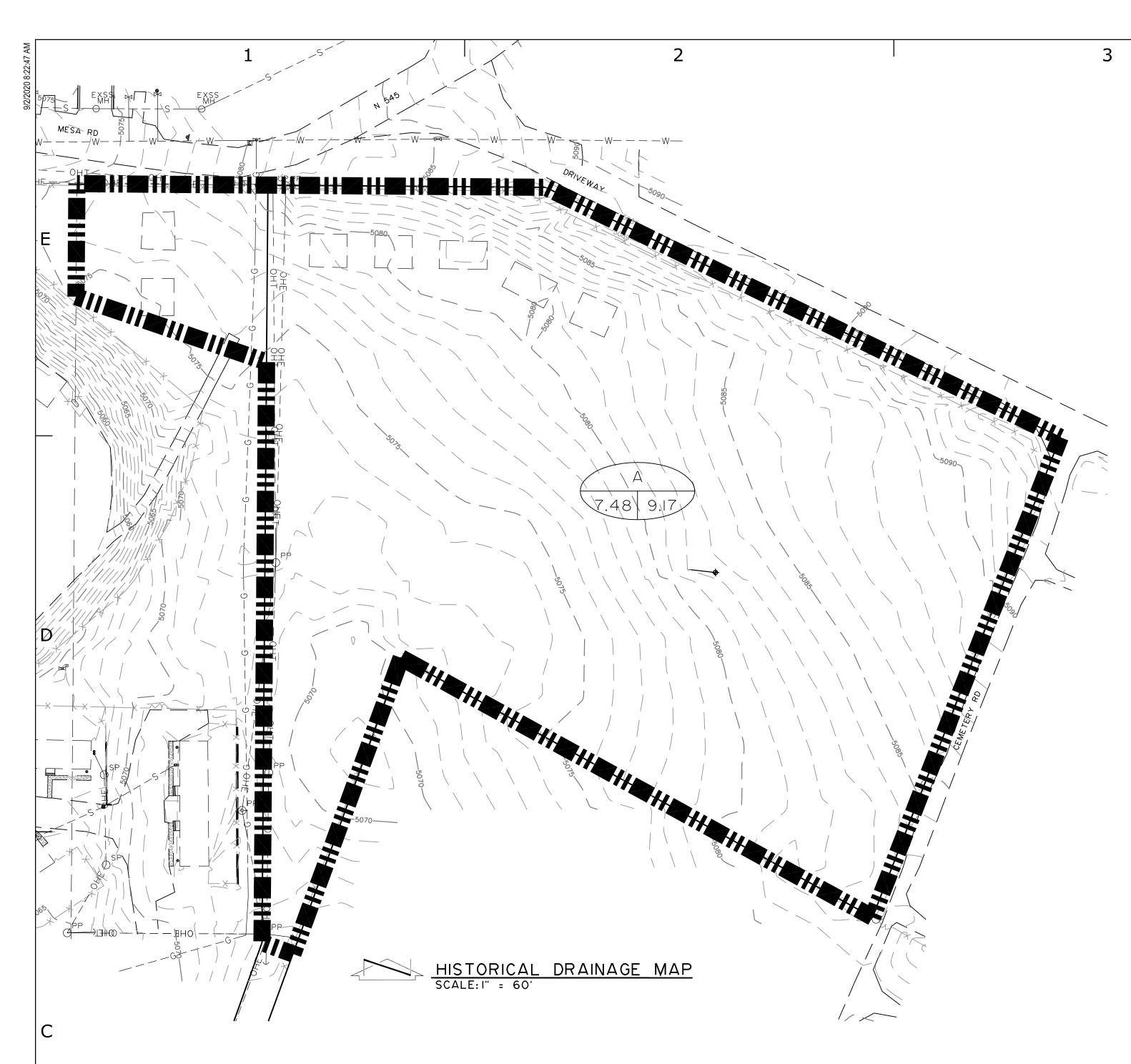




<u>NOTE:</u>

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





DRAINAGE CALCULATIONS MESA HEIGHTS SUBDIVISION CENTRAL CONSOLIDATED SCHOOL SCHOOLS DISTRICT 2 File: 20160DRN-090120 9/1/20 NMDOT DRAINAGE MANUAL JUNE 2007, 4th EDITION Soil Type: Fruitland Sandy Loam (Fs) HSG: С Area: 7.48 acres 25 yr 24 hr | 25 yr 1 hr | 25 yr 24 hr | 25 yr 24 hr | 25 yr 10 min | 25 yr 10 min HISTORICAL BASIN Depth (in) C coefficient Volume (ac×in) Volume (cf) Intensity (in/hr) Pk Runoff (cfs) Area (ac) | % Cover | 3.50 9.17 30 1.95 0.35 5562.68 7.48 1.53 5562.68 9.17 7.48 1.53 100 yr 24 hr 100 yr 1 hr 100 yr 24 hr 100 yr 24 hr 100 yr 10 min 100 yr 10 min BASIN HISTORICAL Depth (in) C coefficient Volume (ac×in) Volume (cf) Intensity (in/hr) Pk Runoff (cfs) Area (ac) | % Cover | 7.48 30 2.47 0.35 1.94 7046.07 4.76 12.47 7.48 1.94 7046.07 12.47 25 yr 24 hr 25 yr 1 hr 25 yr 24 hr 25 yr 24 hr 25 yr 10 min 25 yr 10 min BASIN DEVELOPED Area (ac) % Cover C coefficient Volume (ac×in) Volume (cf) Intensity (in/hr) Pk Runoff (cfs) Depth (in) R 7.48 1.95 0.90 42912.13 3.50 23.58 90 II.82 7.48 23.58 II.82 42912.13 100 yr 24 hr 100 yr 1 hr 100 yr 24 hr 100 yr 24 hr 100 yr 10 min 100 yr 10 min BASIN DEVELOPED Area (ac) % Cover Depth (in) C coefficient Volume (ac×in) Volume (cf) Intensity (in/hr) Pk Runoff (cfs) 2.47 54355.36 7.48 90 0.90 14.97 4.76 32.06 14.97 54355.36 7.48 32.06 VOLUME DIFFERENCE BETWEEN HISTORICAL AND DEVELOPED 25 yr 24 hr 100 yr 24 hr Volume (cf) Volume (cf) 47309.30 37349.44 PK RUNOFF DIFFERENCE BETWEEN HISTORICAL AND DEVELOPED 25 yr 10 min 100 yr 10 min Pk Runoff (cfs Pk Runoff (cfs) 14.41 19.59 25 Yr Pond Pond Volumes Volume (cf) 37349.44 Cumulative Volume Elevation Area Volume INVERT = 5066 Pond Cumulative Volume Volume Elevation Area cu ft cu ft sf 8,194.6 5066.00 A 
 8,987.2
 8,987

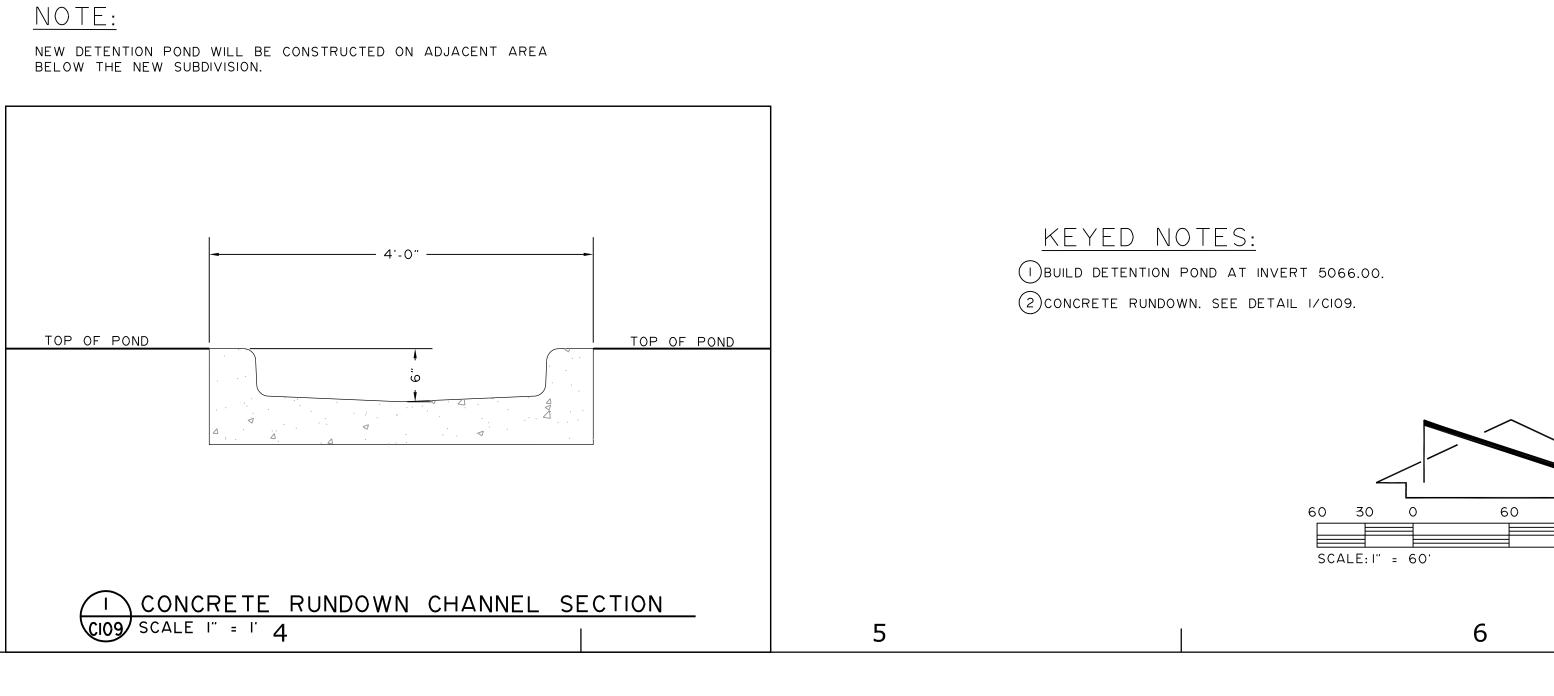
 10,638.6
 19,626
 9,779.8 II,497.3 5067.00 5068.00 12,395.5 32,021 13,293.7 5069.00 32,021 TOTAL POND VOLUME TOP OF BERM 5069.0 
 WORKING DEPTH 3.0'

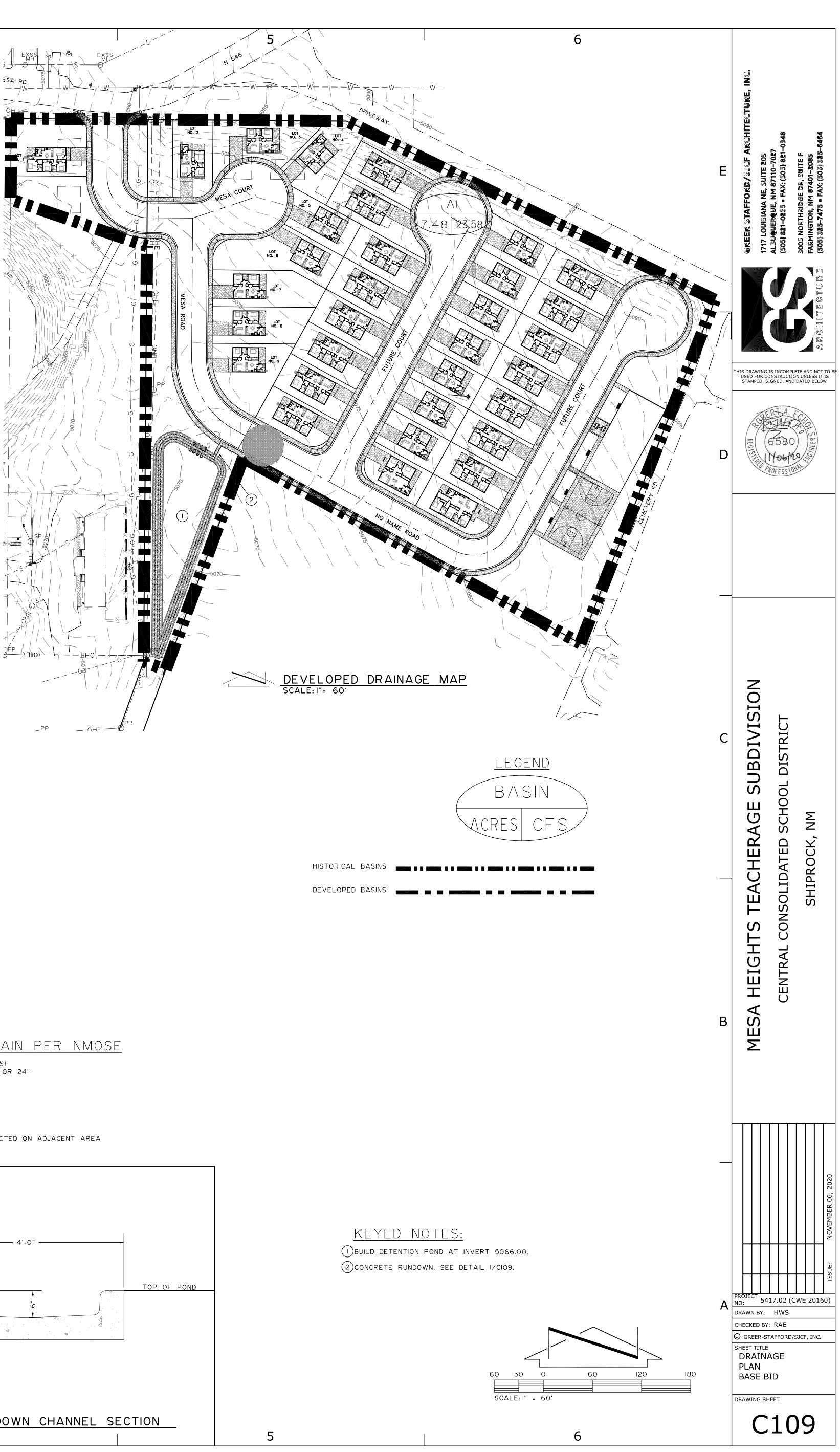
 I.O' FREE BOARD TO OVER TOP

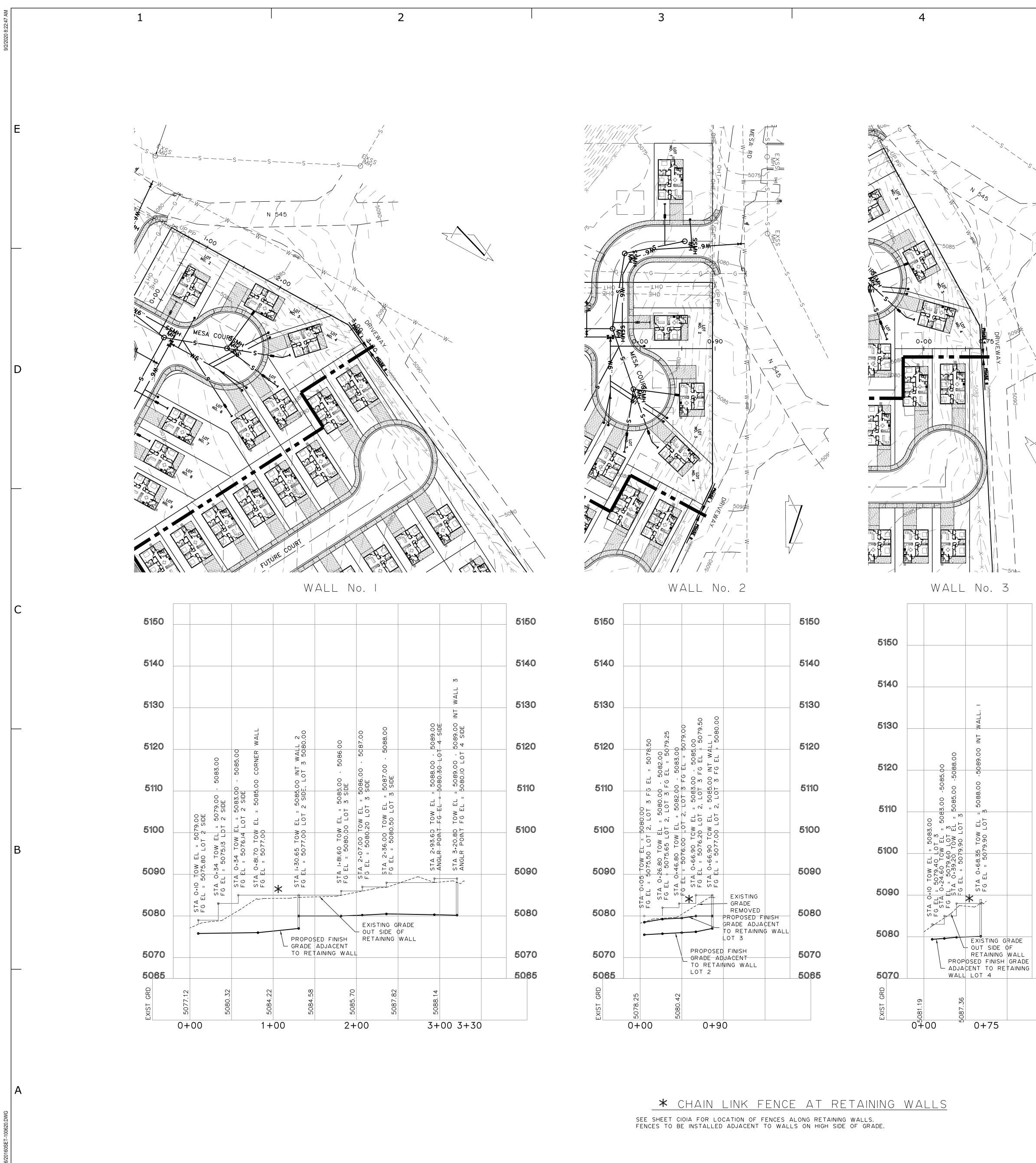
<u>96 - HOUR POND DRAIN PER NMOSE</u>

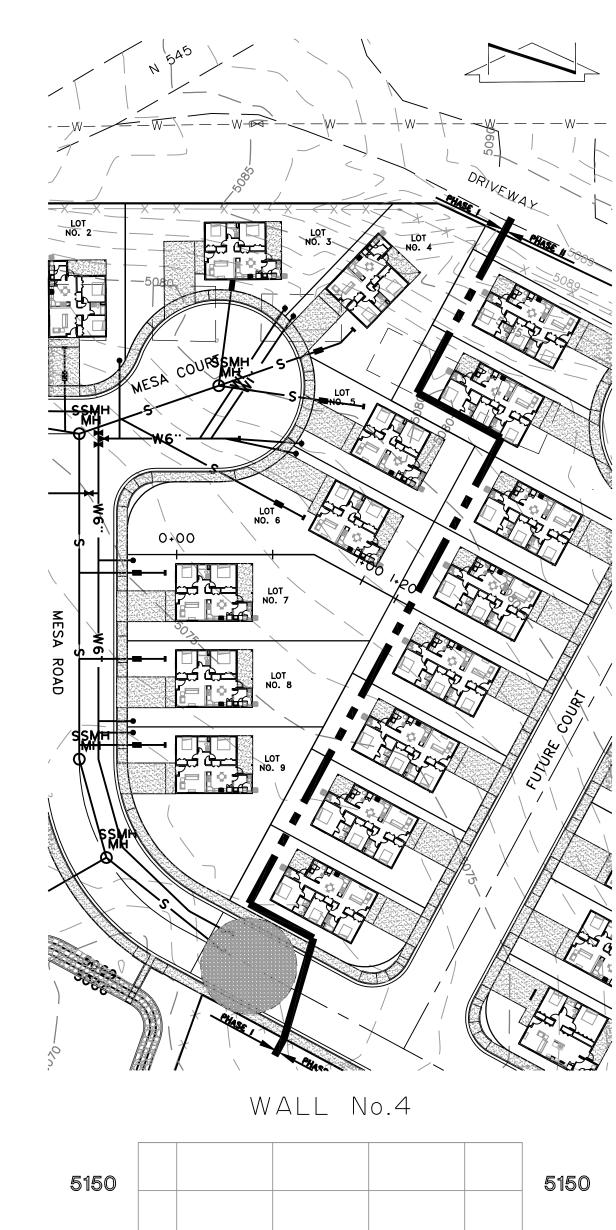
\_ PP

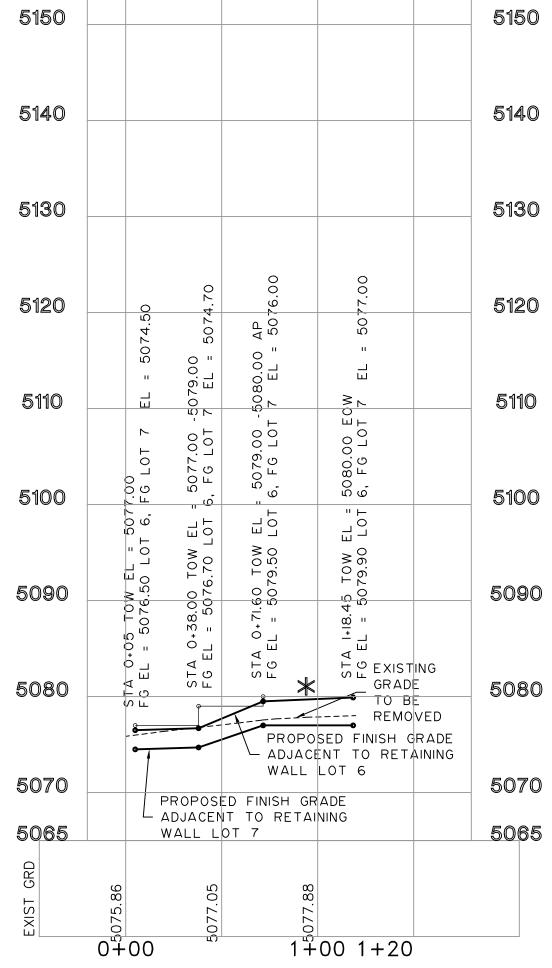
SOIL TYPE - FRUITLAND SANDY LOAM (FS) ANTICIPATED POND WATER DEPTH = 2.0' OR 24" PECOLATION RATE = 3"/HR. TIME TO DRAIN = 24''/3'' = 8 HOURS.



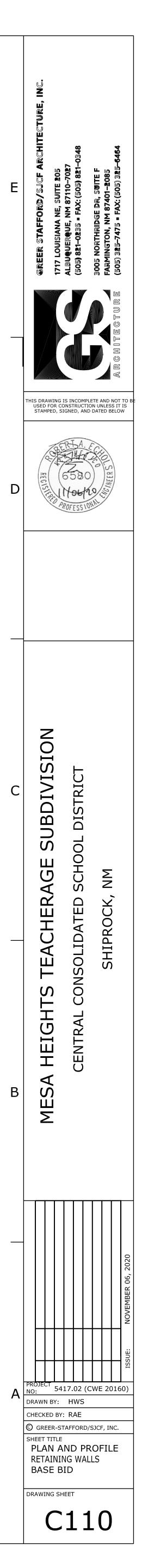


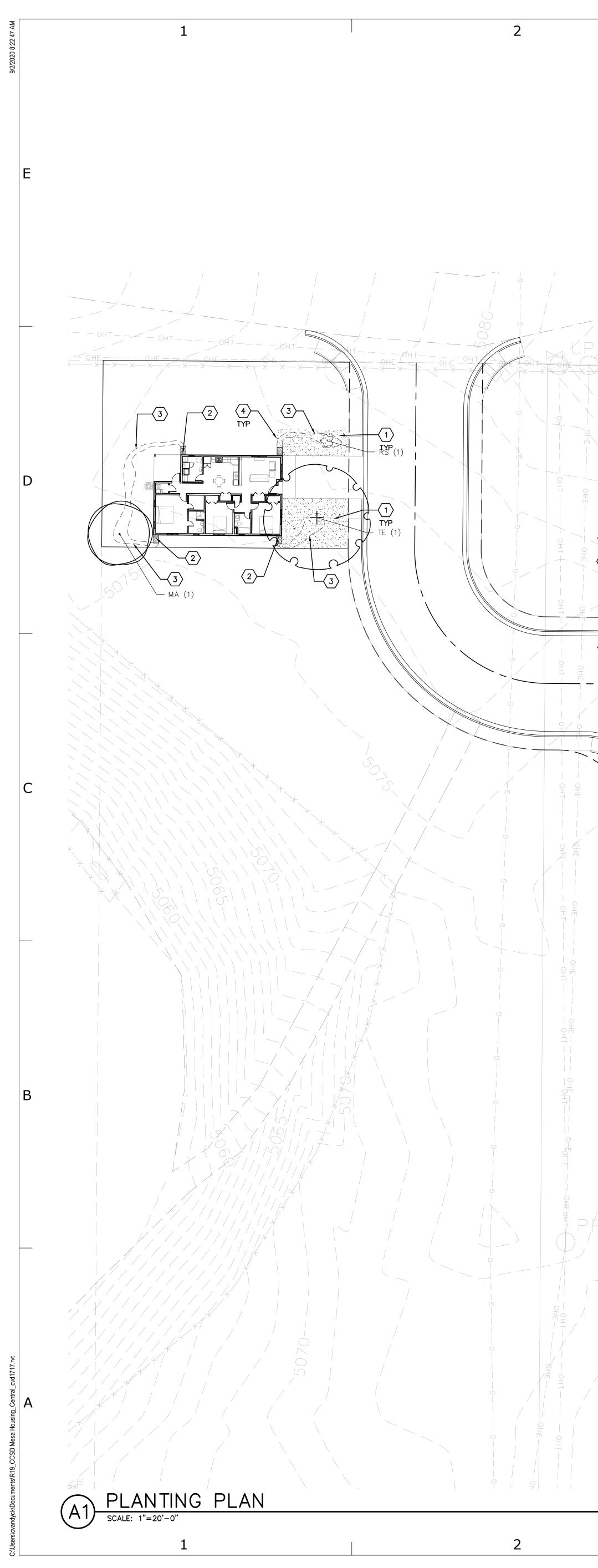




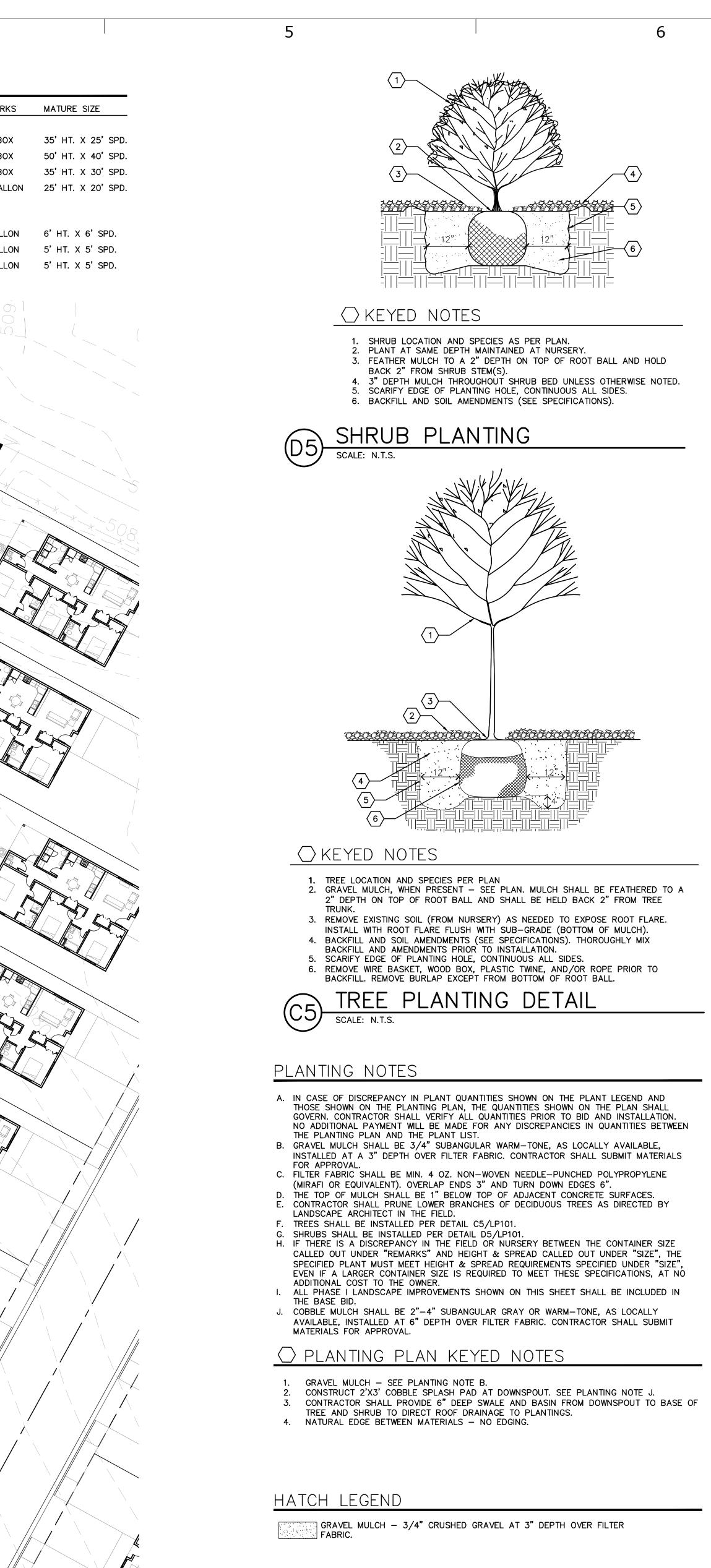


<u>NOTE:</u> I.) PHASE I WALLS AND FENCING ARE BASE BID.



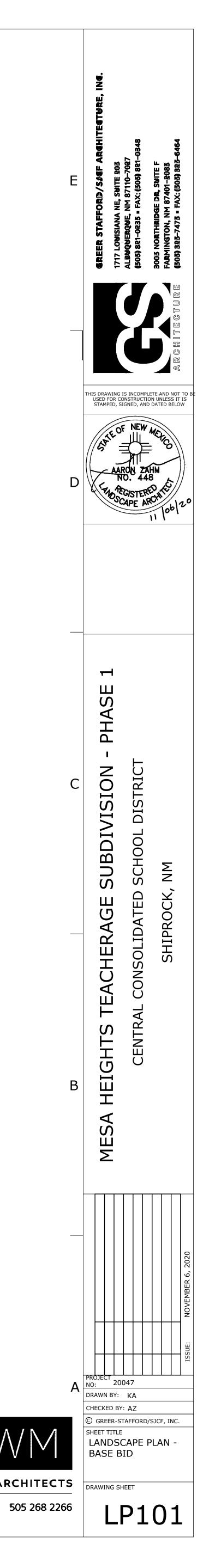


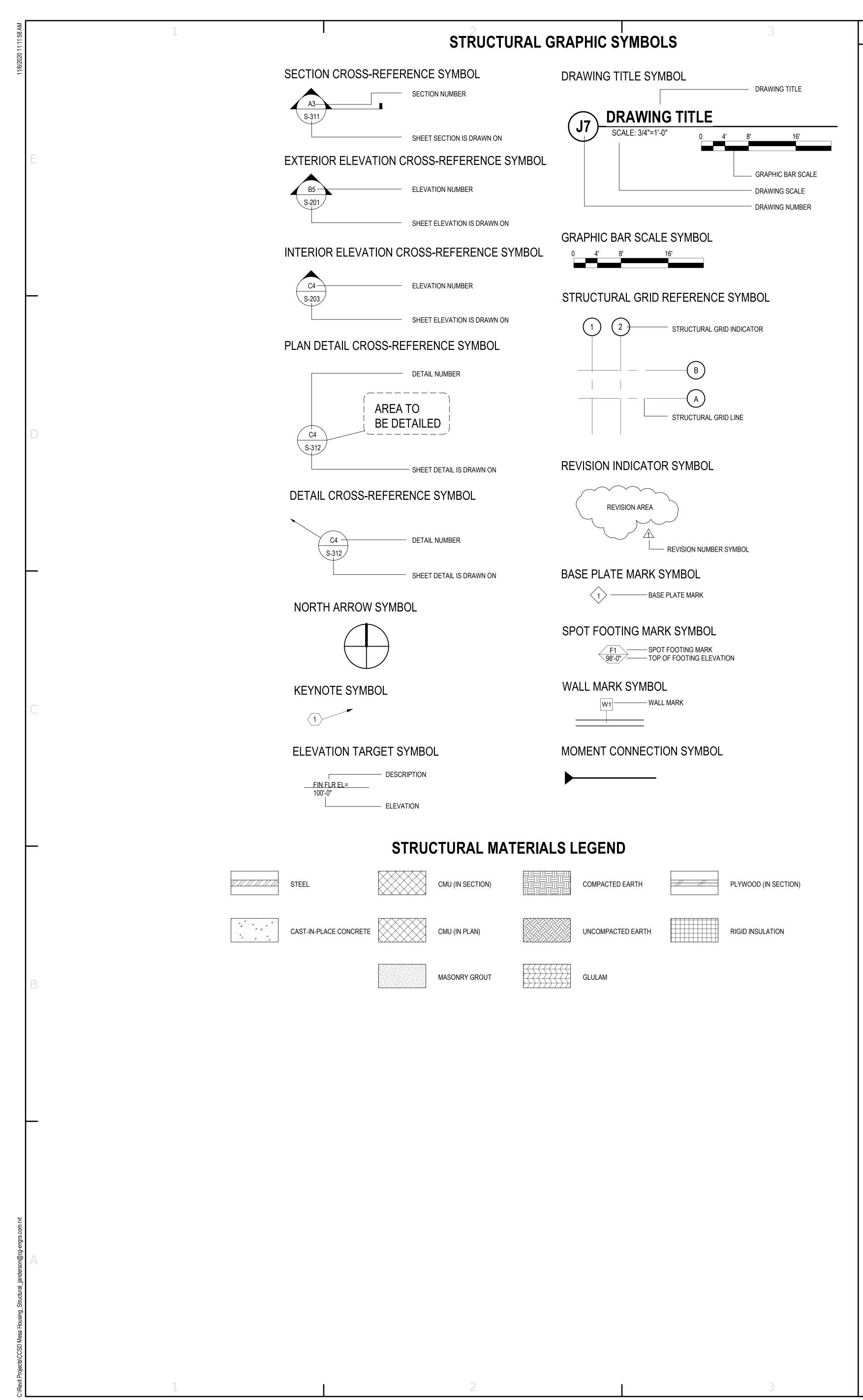
	3	3			4	
[	PLANT L	EGEND				
	TREES MA PURF TE TRIUI SJ SING	ION NAME PLE ROSE LOCUST IPH ELM LESEED JUNIPER	BOTANICAL NAME ROBINIA PSEUDOACACIA 'PURPLE ROSE' ULMUS 'MORTON GLOSSY' JUNIPERUS MONOSPERMA JUNIPERUS SCOPULORUM	QTY 6 8 2 2	INSTALLED SIZE 2" CAL., 10'–12' HT. 2" CAL., 8'–10' HT. 2" CAL., 10'–12' HT. 4'–6' HT.	REMARKS 24" BOX 24" BOX 24" BOX 15 GALLO
	CH CHAN RS RUSS	JNDCOVERS/GRASSES/PE MISA SIAN SAGE CHE PLUME	<u>RENNIALS</u> ERICAMERIA NAUSEOSA PEROVSKIA ATRIPLICIFOLIA FALLUGIA PARADOXA	3 4 2	MIN. 18"HT. MIN. 12"HT. MIN. 18"HT.	5 GALLOI 5 GALLOI 5 GALLOI
						2003
$\frac{1}{1}$	×××		(3) MA (1) (2)			
					X2/	E T
		TYP APL (1) 3	TE (1) MA (1)	(1) (1) (4)	2	
			CH (1) TYP AP (1) AP (1)	ΥP -2		E.
TYP			3 RS (1) TYP			
		TE (1) APL (1)		$\left(2\right)$	TE (1)	
RS (1)						
AP (1)			2 MA (1)	3		E R
			MA (1)			
			(2) (3) (1) (1)		A B FOR	
MA (1) CH (1)						
TYP SJ (1)					A CONTRACTOR	
RS (1)						
TYP				T SX		
	TE		A BAR			
				/		





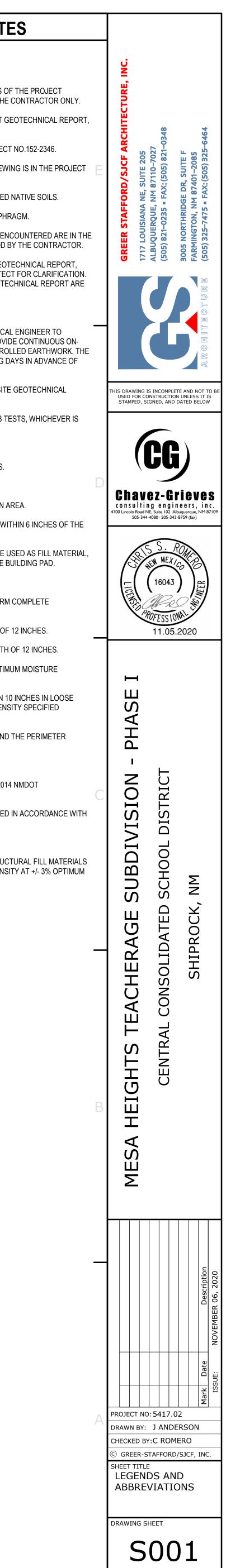
20'





	ABBREVIATIONS	4	ABBRE
A/E	ARCHITECT/ENGINEER	EX	EXAMPLE
AB	ANCHOR BOLT	EXC	EXCAVATE
ABAN	ABANDON	EXCL	EXCLUDE
ABBRV	ABBREVIATION	EXIST	EXISTING
AC	ASPHALTIC CONCRETE	EXP	EXPANSION
ACI	AMERICAN CONCRETE INSTITUTE	EXT	EXTERIOR
ACP	ASPHALTIC CONCRETE PAVING	F/F	FACE TO FAC
ACR	ACROSS	FAB	FABRIC
ACST	ACOUSTIC	FACIL	FACILITY
AD	AREA DRAIN	FB	FLAT BAR
ADA	AMERICANS WITH DISABILITIES ACT	FD	FLOOR DRAIN
ADDL	ADDITIONAL	FDTN	FOUNDATION
ADDM	ADDENDUM	FF	FAR FACE
ADJ	ADJACENT/ADJOINING	FF EL	FINISH FLOOF
ADMIN	ADMINISTRATION	FIN GR	FINISH GRADE
AFF	ABOVE FINISHED FLOOR	FH	FLAT HEAD
AFG	ABOVE FINISHED GRADE	FIN	FINISH
AFS	ABOVE FINISHED SLAB	FIN FLR	FINISH FLOOF
AGGR	AGGREGATE	FLG	FLANGE
AHR	ANCHOR	FLR	FLOOR
AIA AISC	AMERICAN INSTITUTE OF ARCHITECTS AMERICAN INSTITUTE OF STEEL	FLR SK FOC	FLOOR SINK
AISI AITC	CONSTRUCTION AMERICAN IRON AND STEEL INSTITUTE AMERICAN INSTITUTE OF TIMBER	FOF FOM FOS	FACE OF FINIS FACE OF MAS FACE OF SLA
ALNMT	CONSTRUCTION ALIGNMENT	FOS FOS FOW	FACE OF STU FACE OF WAL
ALT	ALTERNATE, ALTERNATIVE ALUMINUM	FR FRMG	FRAME FRAMING
AMT	AMOUNT	FS	FAR SIDE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FSTNR	FASTENER
APA	AMERICAN PLYWOOD ASSOCIATION	FT	FOOT / FEET
APPD	APPROVED	FT/LB	FOOT/POUND
APPROX	APPROXIMATE	FT/LBF	FOOT/POUND
APPX	APPENDIX	FTG	FOOTING
AR	AS REQUIRED	FUT	FUTURE
ARCH	ARCHITECT	G	GIRDER
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GA	GAGE
ASPH	ASPHALT	GALV	GALVANIZED
ASI ASSN	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS ASSOCIATION	GALV STL GR BM	GRADE BEAM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GC GEN	GENERAL CO GENERAL
ATCH	ATTACHMENT	GLU LAM	GLUED LAMIN
ATTN	ATTENTION	GLZ	GLAZING
AWS	AMERICAN WELDING SOCIETY	GOVT	GOVERNMEN
AZ	AZIMUTH	GRTG	GRATING
B&F	BELL AND FLANGE	GT	GROUT
BAL	BALANCE	H	HIGH
B/B	BACK TO BACK	HAS	HEADED ANCI
BC	BOTTOM CHORD	HC	HOLLOW-COR
BD	BOARD	HCP	HANDICAPPEI
BDRY	BOUNDARY	HD	HEAVY DUTY
BEV	BEVEL	HGR	HANGER
BFF	BELOW FINISH FLOOR	HLDN	HOLDDOWN
BKG	BACKING	HORIZ	HORIZONTAL
BKGD	BACKGROUND	HS	HIGH STRENG
BLD	BUILD	HSKPG	HOUSEKEEPII
BLDG BLK	BUILDING BLOCK/BLOCKING	HSS HST	HOUSEREEPII HOLLOW STR HOIST
BLT BLVD	BUILT BOULEVARD	HT	HEIGHT
BLW BM	BELOW BEAM	ID IF	INSIDE DIAME
BO	BOTTOM OF	IFS	INSIDE FACE (
BOS	BOTTOM OF STEEL	IN	INCH
BOT B PL	BOTTOM BASE PLATE	INCL INFO	INCLUDED
BRCG BRDG	BRACING BRIDGING	IN-LB IN-LBF	INCH-POUND
BRG	BEARING	INSTL	INSTALL
BRG PL	BEARING PLATE	INSUL	INSULATION
BS	BOTH SIDES	INT	INTERIOR
BSMT	BASEMENT	IR	INSIDE RADIU
BT WLD	BUTT WELD	k	KIP
BTWN	BETWEEN	K	THOUSAND
C	CHANNEL	KB	KNEE BRACE
C/C	CENTER TO CENTER	KCJ	KEYED CONTR
CAM CAN	CAMBER CANOPY	KIP KIP FT	THOUSAND PO
CD	CONSTRUCTION DOCUMENTS, CONTRACT DOCUMENTS	KLF KO	KIPS PER LINE KNOCK OUT
CEM	CEMENT	KOP	KNOCK OUT F
CHFR	CHAMFER	KSF	KIPS PER SQL
CHKD	CHECKED/CHECKERED	KSI	KIPS PER SQL
CI CI CIP	CAST IRON CAST-IN-PLACE	L	ANGLE LAMINATE
CJ	CONSTRUCTION JOINT CONTRACTION JOINT	LATL	LATERAL POUND-FORC
CJ CL	CONTROL JOINT CENTER LINE	LBR LBS	LUMBER
CLG	CEILING	LD BRG	LOAD BEARIN
CLR	CLEAR	LF	LINEAR FEET
cm	CENTIMETER	LIN	LINEAR
CMU	CONCRETE MASONRY UNIT	LL	LIVE LOAD
CO	COMPANY	LLBB	LONG LEG BA
COA	CITY OF ALBUQUERQUE	LLH	LONG LEG HC
COL	COLUMN	LLV	LONG LEG VE
COM	COMMON	LONG	LONGITUDINA
CONC CONN	CONCRETE CONNECTION	LT GA LT WT	LIGHT GAGE
CONSTR	CONSTRUCTION	LVR	LOUVER
CONT	CONTINUOUS , CONTINUE	LWC	LIGHTWEIGHT
CONTR	CONTRACTOR	M	MOMENT
COORD	COORDINATE	MAINT	MAINTENANC
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	MATL	MATERIAL
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE	MAX	MAXIMUM
CTR	CENTER	MB	MACHINE BOL
CTRL	CONTROL	MC	MOMENT CON
CU	CUBIC	MCJ	MASONRY CO
CU YD	CUBIC YARD	MD	METAL DECK
D	DEEP, DEPTH	ME	MECHANICAL
D-B DAT	DESIGN-BUILD DATUM	MECH	MECHANICAL MEZZANINE
DBL DEG	DOUBLE DEGREE	MFR	MANUFACTUR
DEL DEMO	DELETE DEMOLITION	MIN MISC	MINIMUM
DET	DETAIL	ML	MICRO-LAMIN
DEV	DEVELOPMENT	ML	MONOLITHIC
DFTG	DRAFTING	MO	MASONRY OP
DIA	DIAMETER	MS	MACHINE SCF
DIAG	DIAGONAL	MSL	MEAN SEA LE'
DIFF	DIFFERENCE, DIFFERENTIAL	MTL	METAL
DIM	DIMENSION	N	NORTH
DIST	DISTANCE	NA	NOT APPLICA
DIV DJ	DIVIDE DOUBLE JOIST	NF NIC	NEAR FACE
DL DOC	DEAD LOAD DOCUMENT	NM NO	NEW MEXICO
DSGN DWG	DOUGLAS FIR DESIGN DRAWING	NOM NS	NOMINAL NEAR SIDE
DWG DWL/DWLS E	-	NTS O/O OA	NOT TO SCAL OUT TO OUT OVERALL
E EA EE	EACH EACH EACH END	OC OD	OVERALL ON CENTER OUTSIDE DIAM
EF EIFS	EACH FACE EXTERIOR INSULATION AND FINISH SYSTEM	OF OFS	OUTSIDE FAC
EJ EL	EXPANSION JOINT ELEVATION	OPH OPNG	OPPOSITE HA
ELAST	ELASTOMERIC	OPP	OPPOSITE
ELEC	ELECTRIC	OPT	OPTIONAL
ELEM	ELEMENTARY ELEVATOR	OR PAR	OUTSIDE RAD PARALLEL, PA
EMBED	EMBEDDED / EMBEDMENT	PART	PARTIAL
ENCL	ENCLOSURE	PC	PIECE, PORTL
ENGR	ENGINEER	PCC	PRECAST CON
EOS	EDGE OF SLAB	PCF	POUNDS PER
EPA EQ	ENVIRONMENTAL PROTECTION AGENCY EQUAL	PCI	PRECAST/PRE
EQUIP	EQUIPMENT	PED	PEDESTAL
EQUIV	EQUIVALENT	PEN	PENETRATE
ESCAL	ESCALATOR	PERIM	PERIMETER
ESMT	EASEMENT	PERP	PERPENDICUI
EST	ESTIMATE	PH	PHASE
ETC	ET CETERA	PIL	PILASTER
EW	EACH WAY	PL	PLATE
- v v		4-	

	ABBREVIATIONS	GENERAL STRUCTURAL NOTE
EXAMPLE EXCAVATE	PLAT PLATFORM PLBG PLUMBING	FOUNDATION NOTES
EXCLUDE EXISTING	PLF POUNDS PER LINEAR FOOT PLM PARALLAM	<u>GENERAL:</u>
EXPANSION EXTERIOR FACE TO FACE	PLYWD PLYWOOD POS POSITION PP PANEL POINT	THE FOUNDATION NOTES INCLUDED HEREIN ARE A SUMMARY OF THE REQUIREMENTS OF GEOTECHNICAL REPORT. THESE NOTES ARE PROVIDED FOR THE CONVENIENCE OF THE C
ABRIC FACILITY	PRCST PRECAST PREFAB PREFABRICATE	IF THERE ARE DISCREPANCIES BETWEEN THE FOUNDATION NOTES AND THE PROJECT GE THE PROJECT GEOTECHNICAL REPORT SHALL GOVERN.
LAT BAR LOOR DRAIN OUNDATION	PRELIM PRELIMINARY PREV PREVIOUS PSF POUNDS PER SQUARE FOOT	A SUBSURFACE GEOTECHNICAL INVESTIGATION HAS BEEN MADE GEOMAT INC., PROJECT
AR FACE FINISH FLOOR ELEVATION	PSI POUNDS PER SQUARE INCH PT POST-TENSIONED	A REPORT OF THAT INVESTIGATION DATED SEPTEMBER 11, 2020 IS AVAILABLE FOR VIEWIN MANUAL.
FINISH GRADE FLAT HEAD FINISH	PT CONC POST-TENSIONED CONCRETE PTN PARTITION PVG PAVING	THE FOUNDATION SYSTEM FOR THIS PROJECT IS SPREAD FOOTINGS OVER COMPACTED N
INISH FLOOR FLANGE	QTY QUANTITY QUAD QUADRANT	THE SLAB-ON-GRADE FOR THIS PROJECT WAS NOT DESIGNED AS A STRUCTURAL DIAPHRA
ELOOR ELOOR SINK FACE OF CONCRETE	RRADIUS, RISERRCREINFORCED CONCRETERDROAD, ROOF DRAIN	ADDITIONAL INFORMATION CONCERNING THE SPECIFIC SITE SOIL CONDITIONS TO BE ENC PROJECT GEOTECHNICAL REPORT AND SHALL BE REVIEWED AND FULLY UNDERSTOOD BY
ACE OF FINISH ACE OF MASONRY ACE OF SLAB	REC RECESSED REF REFERENCE REINF REINFORCE/REINFORCEMENT	IF THERE ARE ANY QUESTIONS REGARDING THE REQUIREMENTS OF THE PROJECT GEOTE THE CONTRACTOR SHALL ISSUE RFI'S (REQUESTS FOR INFORMATION) TO THE ARCHITECT
ACE OF SLAD FACE OF STUD FACE OF WALL	REPL REPLACE REQ REQUIRE	EARTHWORK SHALL NOT PROCEED UNTIL THE REQUIREMENTS OF THE PROJECT GEOTEC FULLY UNDERSTOOD BY THE CONTRACTOR.
RAME RAMING AR SIDE	REQD REQUIRED REV REVISION RGD INS RIGID INSULATION	FIELD OBSERVATION AND TESTS:
ASTENER FOOT / FEET	RFI REQUEST FOR INFORMATION RND ROUND	THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVID SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROL
OOT/POUND OOT/POUND FORCE OOTING	RO ROUGH OPENING RT RIGHT RVL REVEAL	CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DA ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK.
UTURE GIRDER	S SOUTH SCHEM SCHEMATIC	TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING MINIMUM RATES. THE ON-SITE ENGINEER SHALL DETERMINE THE ACTUAL TESTING RATES:
GAGE GALVANIZED GALVANIZED STEEL	SCHED SCHEDULE SD SHOP DRAWINGS SDI STEEL DECK INSTITUTE	ONE FIELD DENSITY TEST OF EACH HORIZONTAL LAYER, WITH A MINIMUM OF 3 TEST
GRADE BEAM GENERAL CONTRACTOR	SDL SADDLE SE STRUCTURAL ENGINEER	THE GREATER FREQUENCY. ONE MOISTURE-DENSITY CURVE FOR EACH HOUSING UNIT.
GENERAL GLUED LAMINATED WOOD GLAZING	SECT SECTION SF SQUARE FEET (FOOT) SHT SHEET, SHAFT	THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.
GOVERNMENT GRATING	SHTHG SHEATHING SIM SIMILAR	CLEARING AND GRUBBING:
GROUT HIGH HEADED ANCHOR STUD	SJI STEEL JOIST INSTITUTE SLNT SEALANT SM SMOOTH	REMOVE ALL BRUSH, RUBBISH, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AF
IOLLOW-CORE IANDICAPPED	SP SUMP PIT SPA SPACE/SPACES	REMOVE STUMPS, MATTED ROOTS AND ROOTS LARGER THAN 2 INCHES IN DIAMETER WITH SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.
IEAVY DUTY IANGER IOLDDOWN	SPEC SPECIFICATION SPRT SUPPORT SQ SQUARE	REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE US BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BU
IORIZONTAL IIGH STRENGTH	SQ IN SQUARE INCH SQ YD SQUARE YARD	SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:
IOUSEKEEPING IOLLOW STRUCTURAL SECTIONS IOIST	SSPC STRUCTURAL STEEL PAINTING COUNCIL ST STAIRS STAG STAGGERED	A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM ( EXCAVATION OF ANY UNCONTROLLED FILL.
IEIGHT NTERNATIONAL BUILDING CODE	STD STANDARD STIF STIFFENER	OVEREXCAVATION OF SOILS UNDERLYING FOOTINGS AND FLOOR SLABS TO A DEPTH OF 1
NSIDE DIAMETER NSIDE FACE NSIDE FACE OF STUD	STIR STIRRUP STAG STAGGERED STD STANDARD	OVEREXCAVATION OF SOILS UNDERLYING SITE RETAINING WALL FOOTINGS TO A DEPTH O
NCH NCLUDED	STIF STIFFENER STIR STIRRUP	SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 12 INCHES, MOISTEN TO OPTIMU CONTENT (+/- 3%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.
NFORMATION NCH-POUND NCH-POUND FORCE	STL STEEL STL LNTL STEEL LINTEL STL JST STEEL JOIST	PLACE ALL NATIVE SOIL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN 10 THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO DENSI HEREINAFTER.
NSTALL NSULATION NTERIOR	STL PL STEEL PLATE STL RF DK STEEL ROOF DECK STR STRINGERS	ALL EARTHWORK FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND 1
NSIDE RADIUS (IP	STRUCT STRUCTURAL SUB SUBSTITUTE	FOOTINGS UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER. GRANULAR BASE COURSE REQUIREMENTS:
HOUSAND (NEE BRACE (EYED CONTROL JOINT	SUF SUFFICIENT SUP SUPPLEMENTARY SUPPL SUPPLEMENT	AGGREGATE BASE COURSE SHOULD MEET THE REQUIREMENTS OF SECTION 303 OF 2014
HOUSAND POUNDS HOUSAND FOOT/POUNDS	SYM SYMBOL SYMM SYMMETRICAL	SPECIFICATIONS FOR TYPE I BASE COURSE. THE COURSE AGGREGATE SHALL HAVE A PERCENT WEAR OF 50 OR LESS WHEN TESTED I
KIPS PER LINEAL FOOT KNOCK OUT KNOCK OUT PANEL	SYS SYSTEM T TREAD T&B TOP AND BOTTOM	ASTM C131.
KIPS PER SQUARE FOOT KIPS PER SQUARE INCH	T&G TONGUE AND GROOVE TAN TANGENT	COMPACTION REQUIREMENTS: IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR), SUBGRADE SOILS AND STRUCT
ANGLE AMINATE ATERAL	TB THRU BOLT TEMP TEMPORARY THD THREAD	SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSIT MOISTURE CONTENT:
POUND-FORCE LUMBER POUND	THK THICKNESS THRU THROUGH TJI TRUSS JOIST INSTITUTE	MINIMUM
.OAD BEARING .INEAR FEET (FOOT)	TO TOP OF TOB TOP OF BEAM	MATERIAL     PERCENT COMPACTION       NATIVE SOILS IN THE BUILDING AREA     95
.INEAR .IVE LOAD .ONG LEG BACK TO BACK	TOC TOP OF CONCRETE TOC FTG TOP OF CONCRETE FOOTING TOC WALL TOP OF CONCRETE WALL	SUBBASE FOR SLAB SUPPORT95SUBGRADE BELOW NATIVE SOILS95
ONG LEG HORIZONTAL ONG LEG VERTICAL	TOFTOP OF FOOTINGTOGTOP OF GRATE	MISCELLANEOUS BACKFILL 90 SITE RETAINING WALL DESIGN CRITERIA:
.ONGITUDINAL .IGHT GAGE .IGHT WEIGHT	TOJ TOP OF JOIST TOL TOLERANCE TOM TOP OF MASONRY	LOADING CONDITION EQUIVALENT FLUID PRESSURE
OUVER IGHTWEIGHT CONCRETE IOMENT	TOPTOP OF PARAPETTOSTOP OF SLABTOSTOP OF STEEL	ACTIVE EARTH PRESSURE 35 PCF PASSIVE EARTH PRESSURE 250 PCF
/AINTENANCE /ATERIAL	TOW TOP OF WALL TRANS TRANSVERSE	EARTH PRESSURE AT REST   50 PCF     SOIL FRICTION FACTOR   0.40
/AXIMUM /ACHINE BOLT /OMENT CONNECTION	TRNBKL TURNBUCKLE TYP TYPICAL UBC UNIFORM BUILDING CODE	SOIL BEARING CAPACITY 2000 PSF
ASONRY CONTROL JOINT AETAL DECK	UNO UNLESS NOTED OTHERWISE VAR VARIES	
/IECHANICAL ENGINEER /IECHANICAL /IEZZANINE	VERT VERTICAL VIF VERIFY IN FIELD VNR VENEER	
/IANUFACTURER /IDDLE	VR VAPOR RETARDER VRFY VERIFY	
/INIMUM /ISCELLANEOUS /ICRO-LAMINATED	W WEST, WIDE W/ WITH W/O WITHOUT	
AONOLITHIC AASONRY OPENING	WBL WOOD BLOCKING WD WOOD	
/ACHINE SCREW /EAN SEA LEVEL /ETAL	WFWIDE FLANGEWF BMWIDE FLANGE BEAMWLWIND LOAD	
NORTH NOT APPLICABLE NEAR FACE	WLD     WELDED       WM     WIRE MESH       WP     WATERPROOFING	
NOT IN CONTRACT NEW MEXICO	WSCT WAINSCOT WT WEIGHT	
IUMBER IOMINAL IEAR SIDE	WWF WELDED WIRE FABRIC WWM WELDED WIRE MESH X BRACE CROSS BRACING	
NOT TO SCALE DUT TO OUT	XXH DOUBLE EXTRA HEAVY YD YARD	
OVERALL ON CENTER DUTSIDE DIAMETER		
OUTSIDE FACE OUTSIDE FACE OF STUD		
DPPOSITE HAND DPENING DPPOSITE		
DPTIONAL DUTSIDE RADIUS PARALLEL, PARAPET		
PARTIAL PIECE, PORTLAND CEMENT		
PRECAST CONCRETE POUNDS PER CUBIC FOOT PRECAST/PRESTRESSED CONCRETE		
NSTITUTE PEDESTAL		
PENETRATE PERIMETER PERPENDICULAR		
PHASE PILASTER PLATE	_	
	5	6



<ul> <li>A definition of the second seco</li></ul>	:11:59 AM	GENERAL STRUCTURAL NOTES	
Part Dec. No. 112 - NEET, C. S. D. S. D	11/6/2020 1	IBC-15 INTERNATIONAL BUILDING CODE 2015 ASCE/SEI 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES SDI DIAPHRAGM DESIGN MANUAL, 3RD EDITION ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE NDS-15 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH 2015 SUPPLEMENT	
PARTICLE AND		ROOF LIVE LOAD: LR = 20*R1*R2 20 PSF REDUCTION FACTOR BASED ON TRIB AREA R1=1.0	
Image: Second		GROUND SNOW LOADPG=5 PSFFLAT ROOF SNOW LOAD**PF=8.15 PSFSNOW EXPOSURE FACTORCE=0.9SNOW LOAD IMPORTANCE FACTORIS=1.0THERMAL FACTORCT=1.0	
Image: Section of the sectio			
Image: Section of the section of t		ULTIMATE DESIGN WIND SPEED 115 MPH RISK CATEGORY II EXPOSURE COEFFICIENT C INTERNAL PRESSURE COEFFICIENT GCPI=0.18	
Image: Section of the section of t		SEISMIC IMPORTANCE FACTORIE = 1.0MAPPED SPECTRAL RESPONSE ACCELERATIONSSHORT PERIODSHORT PERIODSS=0.128G	
Image: State of the state		SITE CLASS D SPECTRAL RESPONSE COEFFICIENTS SHORT PERIOD SDS=0.137G	
A LONARD NULL AND A MARKET THE ALL AND A MARKET ALL AND A		D SEISMIC DESIGN CATEGORY B BASIC SEISMIC FORCE RESISTING SYSTEM BUILDING FRAMING SYSTEM – LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOO STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE SEISMIC RESPONSE COEFFICIENT CS=0.021 RESPONSE MODIFICATION FACTOR R = 6 1/2 DESIGN BASE SHEAR V = 0.021W	D
Particle         Signational Headward Archite, 2004, the Incortex is All General Biology and the Incortex and Control Control Control Control Biology and All Control Control Contro Control Control Control Control Control Control Control Control			
Processing of the second secon			
B         Including instructions and the problem instruction instructin instruction instruction instructin		STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OT DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOC	HER
B       CONTROL TO HEARWAY STUCTURE TO ALLOW SOME DETAILURED         CONTROL TORS TO FERRING AND TEACHING DATA TO THE PROVIDED AND THE PROVIDED			TIONS HE
PRECIS OF THESH, VOIRTS OF THEORY, VOIRTS OF THE CONTROL TO ALL DEVINTS OWNED     THE CONTROL SERVICE AND A THE FEEL OWNED AND A THE FEEL OWNED OF THE CONTROL TO AND A THE FEEL OWNED OF THE CONTROL TO ANY LEGATE TO ANY LEGATE THE CONTROL TO ANY LEGATE TO AN		CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF	
B       EDUINESTICIDE STATUS ENCOURSE FOR PROVINCE SHEE PROVINCES SHEELES         B       EDUINESTICIDE STATUS ENCOURSE FOR PROVINCE SHEELES FOR PROVINCE SHEELES FOR PROVINCES HEELES FOR PROVINCES FOR PR			RIOD.
B       He is including bandward ba		SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION I THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE A FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTI	ARCHI
B B Constraints and the second			
B OUNDER DE VOORSTE SUIL CONCRETE SALL MET ANN DE FERMINER CHARGE DE VOORSTE IN TOURS AND DE VOORSTE DE VOORST		TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. T STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIG NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.	IGURA
B       B         B       POTESTION PROPER PRECAUTIONS SHALL BET AVENA TA ALL THEST OF THE CONTRACTOR SHALL BET EXEMANT ALL THEST OF THE CONTRACTOR SHALL BET AVENA TA ALL THEST OF THE APPER TEAM WITHINGS, GLANDS, SICH PRECAUTIONS SHALL BET AVENA WE CAUSED. ETHER DI THE APPER TEAM WITHINGS, GLANDS, SICH PRECAUTIONS SHALL NOUL OF FRIELDS. SICH PRECAUNTS, SICH PRECAUNTS, SHALL BOTTON, THE ADDITIONAL COST ID THE OWNER, MST AND THE SPECIFICATION, THE ADDITIONAL COST ID THE OWNER, MST AND THE SPECIFICATION, THE ADDITIONAL COST ID THE OWNER, MST AND THE SPECIFICATION, THE ADDITIONAL COST ID THE OWNER, MST AND ADDITIONAL SIT THE OWNER.         B       POLLUTION CONTROLS: USE WATER SPENKLING, TEMPORARY ENCLOSING SIT THE OWNER.         FOLLUTION CONTROLS: USE WATER SPENKLING, TEMPORARY ENCLOSING SIT THE OWNER.         FOLLUTION CONTROLS: USE WATER SPENKLING, TEMPORARY ENCLOSING SIT THE OWNER.         FOLLUTION CONTROLS: USE WATER SPENKLING, TEMPORARY ENCLOSING SIT THE OWNER.         FOLLUTION CONTROLS: USE WATER SPENKLING, TEMPORARY ENCLOSING THE ADDIT AND DIRT RESUME ADDIT STATE OF THIS PROLECT.         DO NOT SCALE DRAWINGS CONTRACT THIS PROLECT.         DI MEDICAUNDER SPECIFICATION SPECIFICATION SPECIFICATIONS FOR STRUCTURE ALL EXPOSED DECEMBERS SPECIFICATIONS FOR STRUCTURE ALL EXPOSED CONCRETE:         ALL CONCRETE SHALL CONCORETE SHALL HAVE A 34" COMARKER UNLESS T NORMAL WEEL STALL CONCRETE SHOWS CONCRETE ON THE SPECIFICATIONS FOR STRUCTURE ALL EXPOSED GO CONCRETES ALL LAVER A 34" COMARKER UNLESS T NORMAL WEEL STALL CONCRETES AND CARES TO CONCRETE SPECIFICATIONS FOR STRUCTURE ALL EXPOSED GO CONCRETES ALL LAVER A 34" COMARKER UNLESS T NORMAL WEEL STALL CONCRETES AND CARES TO COMARKER UNCESS T NORMAL WEEL STALL CONCRETES AND CARESE		SUPPORT SUPERIMPOSED LOADS PRIOR TO ATTAINING THE SPECIFIED DESIGN STRENGTH, RESHO CONCRETE IN ACCORDANCE WITH ACI 347. RESHORING SHALL NOT BE REMOVED SOONER THAN 28 THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.	ORE 8 DAY
PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PR TRAFFIC PROM NAY DAMAGE OR NUMPY WINCHMAY BE CAUSED, ETHER DI WORKINGLOED ON THE CONTRESS MALL NOULD OF PRICES BARRICADES, RAILINGS, GUARD, SUDRE CAUSED, ETHER DI WORKING, DE PAR VIEWE IN THE CONTRESS AND THE IN THE CONTRESS TO PRECAUTIONS AND THE OWNERS. LIGHTS BE REQUIRED. IF A TAY THE IN THE CONTROL OF THE CONTRESS TO THE PRICES BARRICADES, RAILINGS, GUARD, SUDRE CONTRACT, THE OWNER PRICES AND THE IN THE CONTROL OF THE CONTRESS AND THE IN THE CONTROL OF THE CONTRESS AND THE IN THE CONTROL OF THE CONTRESS AND DIST TENDED AND THE IN THE CONTROL OF THE CONTRESS AND DIST TENDED AND THE IN THE CONTROL OF THE CONTRESS AND DIST TENDED AND THE AND TO LOW THE CONTROL OF THE CONTRESS AND SCATTERING IN THE AIR TO LOWEST TO UNIT DUST AND DIST TENDED AND SCATTERING TO ENHIPMENTAL PROTECTION. TYPICAL DETAIL SMEETS: THE STRO SERIES SHEETS IN THESE DRAWINGS CONTRAINTPROL STRUCTUR MATERIALS SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT. MATERIALS SOME OF THESE DETAILS ON THE AND TO PHASE AND THE AIR TO LOWEST STRUGGENT REQUIRIENTS SHALL CONTROL TO THIS PROJECT. DO NOT SCALE DRAWINGS. WHERE DISCREPANCIES DOOL RETURNED AND THE AIR TO CONTROL TO STALL CONTROL TO THIS PROJECT. MATERIALS SOME OF THESE DETAILS ON TO PHASE AND THE AIR TO LOWEST. AND THE CONTROL DETAILS CONTROL TO STALL CONTROL TO STALL CONTROL TO STALL CONTON TO STA		BEAMS, CONCRETE COLUMNS, AND CONCRETE BEAMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET F	
TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AR TO LOWEST P GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION IYPICAL DETAIL SHEETS: THE S700 SERIES SHEETS IN THESE DRAWINGS CONTAIN TYPICAL STRUCTU MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT. DRAWINGS: DO NOT SCALE DRAWINGS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOT STRUMERNT REQUIREMENTS SHALL GOVERN DETAILS, OENERAL NOT STRUMERNT REQUIREMENTS SHALL GOVERN DETAILS, OEN DRAWINGS TAKE AND TYPICAL DETAILS, DETAILS, OETAILS, OENERAL NOT STRUMERNT REQUIREMENTS SHALL GOVERN DETAILS, ON DRAWINGS TAKE AND TYPICAL DETAILS, DETAILS, OETAILS, OETAILS, OENERAL NOT STRUMERNT REQUIREMENTS SHALL GOVERN DETAILS, ON DRAWINGS TAKE AND TYPICAL DETAILS, DETAILS, OCTAILS, OETAILS, OETAILS, GENERAL NOT STRUMERT REQUIREMENTS SHALL GOVERN DETAILS, ON DRAWINGS TAKE AND TYPICAL DETAILS, DETAILS, OETAILS, OETAILS, OETAILS, GENERAL NOT STRUMERT REQUIREMENTS SHALL GOVERN DETAILS, OFTAILS, OR DRAWINGS TAKE AND TYPICAL DETAILS, DETAILS, OETAILS, OETAILS, OETAILS, OETAILS, OR STRUCTURZ ALL EXPOSED EDGES OF CONCRETES ALL CONCRETES HALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURZ ALL EXPOSED DEDGES OF CONCRETE EVALUATION FOR STRUCTURZ ALL EXPOSED DEDGES OF CONCRETE EVALUATES AND CLASS TO NORMALWEIGHT CONCRETE A. FC = 4300 FSI @ 20 DAYS - ALL LONGORETE EXPOSED DO FREEZETHAW MOISTURE. INCLUDING CONCRETE FLAT WORK, EXPOSED DUILDING STRUE EVATENCING CONCRETE FLATING WALLS, ETC.), B. FC = 4300 FSI @ 20 DAYS - ALL INTERIOR SLADS ON GRADE, UNLESS NO CONCRETE MALL DESIGN ON ORADE, SLADS ON GRADE, UNLESS NO CONCRETE MALL DUIS DESIGN OF ADALL SLADS ON GRADE, UNLESS NO CONCRETE MALL DESIGNS (INCLUDING ALL CANCERNET, WALES NO CONCRETE MALL MALLS STRUCTURENT, WALES NO CONCRETE MALL AND ALL		PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTL' WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTION BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIV PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION, THE CONTRACTOR SHALL AT ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY	.Y, BY Main <sup>-</sup> Ions A /E, PR T NO
A MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT. DRAWINGS: DO NOT SCALE DRAWINGS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTE STRINGENT REQUIREMENTS SHALL GOVERN DETAILS ON DRAWINGS TAKE AND TYPICAL DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR COC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK CAST-IN-PLACE CONCRETE: ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURA ALL EXPOSED EDGES OF CONCRETE EXPOSED TO FREEZETHAW MORMALWEIGHT CONCRETE: A. LC CONCRETE SHALL MAYE A 3/4" CHAMFER UNLESS M NORMALWEIGHT CONCRETE: A. FC = 4500 PSI @ 28 DAYS - ALL CONCRETE EXPOSED TO FREEZETHAW MORMALWEIGHT CONCRETE SHALL MEET EXPOSED BUILDING STE EXTERIOR CONCRETE SHALL MEET EXPOSED BUILDING STE EXTERIOR CONCRETE SHALL MEET EXPOSED BUILDING STE EXTERIOR CONCRETE SHALL MEET EXPOSED BUILDING STE DISJ.1.1 B. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.). C. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NO CONCRETE MIX DESIGNS (INCLUDING AR CONTENT, WATER TO CEMENT FA CONFORMING THE REQUIREMENTS SET FORTING AGE, PIEL INTERIOR RETAINING WALLS, ETC.). C. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NO CONCRETE MIX DESIGNS (INCLUDING AR CONTENT, WATER TO CEMENT FA CONFORMING THE REQUIREMENTS SET FORTING AGE, PIEL 59.32.1, 86 CONFORMING THE RE		B POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABL TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMP GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. TYPICAL DETAIL SHEETS:	
WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SMILAR OC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK CAST-IN-PLACE CONCRETE:           ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURA ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS N NORMALWEIGHT CONCRETE:           A. FC = 4500 PSI @ 28 DAYS - ALL CONCRETE EXPOSED TO FREEZE/THAW MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STE EXTENSOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS I 19.3.1.1.           B. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (LE. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.).           A. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (LE. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.).           B. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NO CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RA CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1. BOWFFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1.		THE S700 SERIES SHEETS IN THESE DRAWINGS CONTAIN TYPICAL STRUCTURAL DETAILS FOR VARI MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT. DRAWINGS:	IOUS
A LL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURA ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS M NORMALWEIGHT CONCRETE: A. FC = 4500 PSI @ 28 DAYS - ALL CONCRETE EXPOSED TO FREEZE/THAW MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STE EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F 19.3.1.1 B. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.). C. FC = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NO CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RA CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BA		WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATION STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GE AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE P	ENER/ SPEC
A FC = 4500 PSI @ 28 DAYS - ALL CONCRETE EXPOSED TO FREEZE/THAW MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STE EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F 19.3.1.1. B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.). C. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NO CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RA CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BA		ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-	·10.
A MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STE EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F 19.3.1.1. B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.). C. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NOT CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RA CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BA CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BA		ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE. NORMALWEIGHT CONCRETE:	
<ul> <li>B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEI INTERIOR RETAINING WALLS, ETC.).</li> <li>C. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NOT CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RATE OF TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE RECUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BACITE CONFORM TO THE RECUIREMENTS SET FORTH IN ACI 318 TABLE 319 TABLE 319</li></ul>	.rvt	A. F'C = 4500 PSI @ 28 DAYS – ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES AND OCCASION MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STEM WALLS, SITE WALLS, EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F2 ACCORDING TO ACI 3	, ETC.
	rson@cg-engrs.com.		
COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICA			RE N ALL
	Mesa Housir	COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCE CAUSED BY FROST, FREEZING OR LOW TEMPERATURES. COMPLY WITH ACI 306.1.	
Š STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY-MIX CON	Revit Projects/CCSD	HOT WEATHER CONCRETING: WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR THE O STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY-MIX CONCRETE, LOWER THE TE OF MATERIALS, OR ADD RETARDER TO ENSURE THAT THE CONCRETE IS PLASTIC. RETEMPERING W NOT ALLOWED. COMPLY WITH ACI 305R.	EMPE

OTHER OCUMENTS INTO

TURAL DITIONS PRIOR THE

NG SHALL BE OF SPAN/240 FOR

ON IS STARTED. ARCHITECT ITTED.

R ALL PARTS OF

. THE NFIGURATION.

TE MUST SHORE N 28 DAYS FROM

ONCRETE GRADE

ET FORTH BY

AND PEDESTRIAN TLY, BY THE ND MAINTENANCE JTIONS AS MAY TIVE, PROPER L AT NO MAY BE DIRECTED

ABLE METHODS OMPLY WITH

ARIOUS BUILDING

IONS, THE MORE GENERAL NOTES NO SPECIFIC E PROJECT.

\SIONAL !LS, ETC... \CI 318 TABLE

, GRADE BEAMS,

RITERIA) SHALL URE E IN ALL UIREMENTS IN

JCED STRENGTH

IE QUALITY AND ETEMPERATURE G WITH WATER IS

SLAB CURING: ALL INTERIOR CONCRETE SLABS, EXCEPT EXPOSED INTEGRALLY COLORED SLABS, ARE TO BE CURED WITH A MOISTURE RETAINING COVER FOR THE FIRST 7 DAYS (MINIMUM) AFTER PLACEMENT. THE CONTRACTOR IS ALLOWED TO CAST FOUNDATIONS AGAINST EXCAVATED SOIL SURFACES, PROVIDED THE FOLLOWING IS ADHERED TO: A. THE SIDE SLOPES OF THE EXCAVATION SHALL BE ABLE TO MAINTAIN VERTICAL SLOPE WITHOUT SOIL SLOUGHAGE. 3. THE BOTTOM WIDTH OF THE EXCAVATION SHALL BE ONE INCH WIDER MINIMUM ON EACH SIDE THAN THE SPECIFIED FOOTING WIDTH. . THE SIDE WALLS OF THE EXCAVATION SHALL BE BATTERED A MINIMUM OF ONE INCH HORIZONTAL TO TWELCE INCHES VERTICAL.

**GENERAL STRUCTURAL NOTES** 

. IF SANDY OR LOOSE MATERIALS ARE ENCOUNTERED, THE FOOTING MUST BE FORMED. . THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY SOIL SLOUGHAGE FROM THE WET CONCRETE DURING THE CASTING OPERATION. THE CONTRACTOR AGREES TO REMOVE AND RECAST ANY FOOTING WHERE THE ABOVE CONDITIONS ARE

NOT MET.

ALL CONCRETE EXPOSED TO GROUND SHALL BE MANUFACTURED WITH PORTLAND CEMENT TYPE II. SEE SHEET S711 FOR TYPICAL CONCRETE DETAILS.

### POST INSTALLED ANCHORS:

THE STRUCTURAL DESIGN IS BASED ON THE POST INSTALLED ANCHORING SYSTEMS NOTED BELOW. SINCE ANCHOR CAPACITIES VARY BY MANUFACTURER, THE CONTRACTOR SHALL USE ONLY THE SYSTEMS NOTED BELOW UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER OF RECORD. ALTERNATE ANCHORING SYSTEMS MAY REQUIRE RE-DESIGN TO VERIFY ANCHOR QUANTITIES, SPACING, AND EMBED DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONSTRUCTION AND RE-DESIGN COSTS ASSOCIATED WITH THE ALTERNATE ANCHORING SYSTEM.

ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE SIMPSON TITEN HD SCREW ANCHOR. INSTALLATION SHALL BE PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.

ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION. THE ICC-ES FORMS SHALL MEET THE REQUIREMENTS OF THE IBC REFERENCED IN THESE NOTES.

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH SPECIAL INSPECTION AS DICTATED BY THE RESPECTIVE PRODUCT'S ICC-ES EVALUATION SERVICE REPORT

THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING, UNLESS ALL PERSONNEL INSTALLING ANCHORS ARE CERTIFIED IN ACCORDANCE WITH ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT APPROVED BY THE ENGINEER OF RECORD.

### WOOD FRAMING:

ALL SAWN LUMBER (2"-4" THICK, 2" & WIDER) EXCEPT STUDS SHALL BE HEM FIR, NO. 2 OR BETTER, WITH THE FOLLOWING ALLOWABLE STRESSES: MAXIMUM FIBER STRESS IN BENDING FB= 850 PSI

TENSION PARALLEL TO GRAIN
COMPRESSION PARALLEL TO GRAIN
COMPRESSION PERPENDICULAR TO GRAIN
HORIZONTAL SHEAR
MODULUS OF ELASTICITY

MAXIMUM FIBER STRESS IN BENDING

MAXIMUM FIBER STRESS IN BENDING

COMPRESSION PARALLEL TO GRAIN

COMPRESSION PERPENDICULAR TO GRAIN

TENSION PARALLEL TO GRAIN

COMPRESSION PERPENDICULAR TO GRAIN

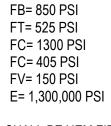
TENSION PARALLEL TO GRAIN COMPRESSION PARALLEL TO GRAIN

HORIZONTAL SHEAR

HORIZONTAL SHEAR

MODULUS OF ELASTICITY

MODULUS OF ELASTICITY



ALL SAWN LUMBER (5"x5" OR LARGER BEAMS AND STRINGERS) SHALL BE HEM FIR, NO. 2 OR BETTER, WITH THE FOLLOWING ALLOWABLE STRESSES:

MAXIMUM FIBER STRESS IN BENDING:	FB= 675 PSI
TENSION PARALLEL TO GRAIN:	FT= 350 PSI
COMPRESSION PERPENDICULAR TO GRAIN	FC= 405 PSI
COMPRESSION PARALLEL TO GRAIN	FC= 500 PSI
HORIZONTAL SHEAR	FV= 140 PSI
MODULUS OF ELASTICITY:	E= 1,100,000 PSI

ALL SAWN LUMBER (5"x5" OR LARGER POSTS AND TIMBERS) SHALL BE HEM FIR, NO. 2 OR BETTER, WITH THE FOLLOWING ALLOWABLE STRESSES:

FB= 575 PSI	
FT= 375 PSI	
FC= 575 PSI	
FC= 405 PSI	
FV= 140 PSI	
E= 1,100,000 PSI	

STUDS (2"-4" THICK, 2" & WIDER) SHALL BE SPRUCE-PINE-FIR, NO. 2 OR BETTER, WITH THE FOLLOWING ALLOWABLE STRESSES:

> FB= 875 PSI FT= 450 PSI FC= 1150 PSI FC= 425 PSI FV= 135 PSI E= 1,400,000 PSI

EXPOSED LUMBER / TIMBER SHALL BE FREE OF HEART WOOD.

### APA SPAN RATED SHEATHING:

SEE PLANS FOR GRADE, THICKNESS, AND LOCATIONS OF SHEATHING.

ROOF AND WALL SHEATHING SHALL BE CONTINUOUS OVER 2 SPANS MINIMUM. ENDS OF PANELS SHALL OCCUR DIRECTLY OVER SUPPORTS.

### WOOD CONNECTIONS:

NAILING SHALL BE IN ACCORDANCE WITH THE NAILING SCHEDULE ON SHEET [S-601] UNLESS OTHERWISE NOTED. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE NOTED.

JOIST HANGERS SHALL BE BY SIMPSON STRONG-TIE CO. OR EQUAL WITH CONNECTIONS INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

BOLTS AND LAG BOLTS (OR SCREWS) SHALL BE ASTM A307.

STEEL SIDE PLATES SHALL BE ASTM A36.

LAG BOLTS (OR SCREWS) SHALL BE INSTALLED IN PRE-DRILLED HOLES. THE SIZE OF THE PRE-DRILLED HOLES SHALL BE PER THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

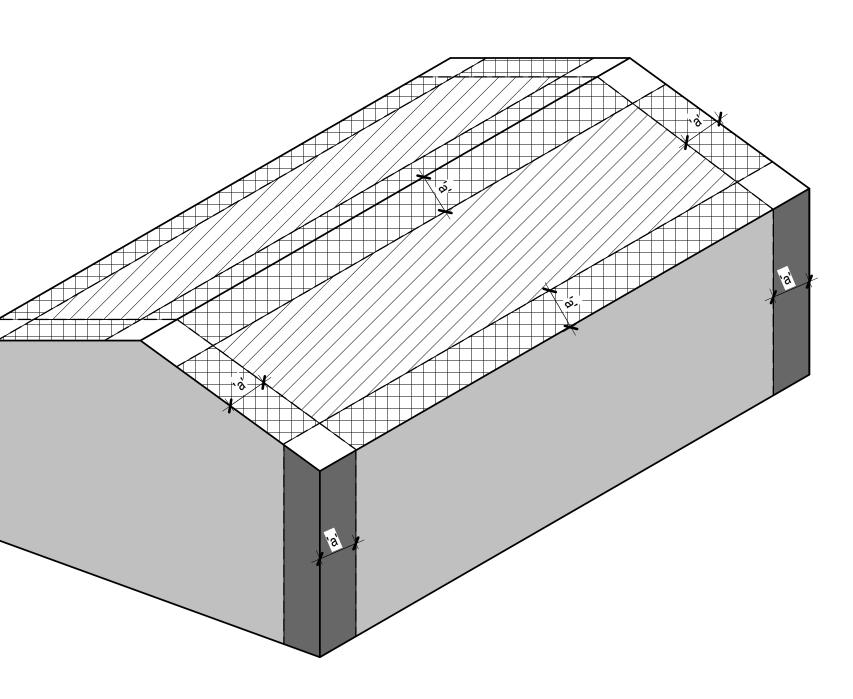
### SPECIAL INSPECTION:

THE OWNER SHALL PROVIDE FOR SERVICES OF A CERTIFIED INSPECTOR (APPROVED BY THE BUILDING OFFICIAL OR THE ENGINEER OF RECORD) IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE SPECIAL INSPECTION ITEMS NOTED ON SHEET S002.

- 1. SPECIAL INSPECTIONS / TESTING "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM HAVING THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 110 OF THE IBC PERFORMED. BOTH THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS AND "SPECIAL STRUCTURAL INSPECTION" SHALL BE PERFORMED.
- 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHEN WORK IS READY FOR INSPECTION.
- 3. REPORTING FOR SPECIAL INSPECTION SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN THREE (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
- 4. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
- 5. SPECIAL INSPECTION OF SHOP FABRICATED MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2, UNLESS FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION.
- 6. IN ACCORDANCE WITH IBC CHAPTER 17, THE OWNER OR THE OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS, DURING CONSTRUCTION FOR THE TYPES OF WORK LISTED BELOW THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL IDENTIFIED IN IBC SECTION 110
- 7. DEFINITIONS: \* SPECIAL INSPECTION: INSPECTION AS HEREIN REQUIRED BY A QUALIFIED SPECIAL INSPECTOR COMPETENT WITH THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS (SEE SECTION 1704).

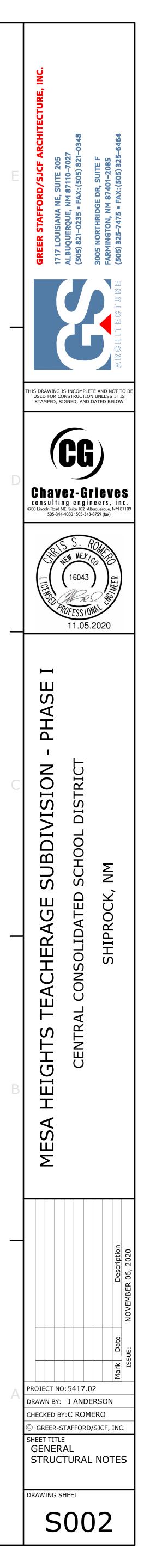
\* CONTINUOUS SPECIAL INSPECTION: FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. \* PERIODIC SPECIAL INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.

ITEM	DESCRIPTION OF REQUIREMENTS	REQUIRED (YES/NO)
SPECIAL INSPECTION OF STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC 360-10	NO
SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.4 AND REFERENCED STANDARDS	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5	YES
SPECIAL INSPECTIONS AND VERIFICATIONS OF SOILS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR DEEP FOUNDATIONS (DRIVEN PILES, CAST-IN-PLACE, OR HELICAL PILES AS APPLICABLE)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS 1705.7-1705.9 AS APPLICABLE, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS	NO
SPECIAL INSPECTIONS FOR WIND RESISTANCE (REQUIRED ONLY FOR Vult= 155MPH OR GREATER IN EXPOSURE CATEGORY B, OR Vult=142MPH OR GREATER IN EXPOSURE CATEGORY C OR D)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.11	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR SEISMIC RESISTANCE (REQUIRED FOR STRUCTURES ASSIGNED TO CATEGORIES C, D, E, OR F)	TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE PORTIONS OF IBC SECTIONS 1705.12 AND 1705.13	NO
SPECIAL INSPECTION AND VERIFICATION OF WOOD SHEAR WALLS AND ROOF DECK	INSPECTION AND VERIFICATION OF WOOD PANEL SHEATHING THICKNESS AND APA RATED, WOOD PANEL SHEATHING FASTENING, END STUDS, TIE DOWNS, BLOCKING, SOLE PLATE FASTENERS, AND TRUSS BLOCKING	YES

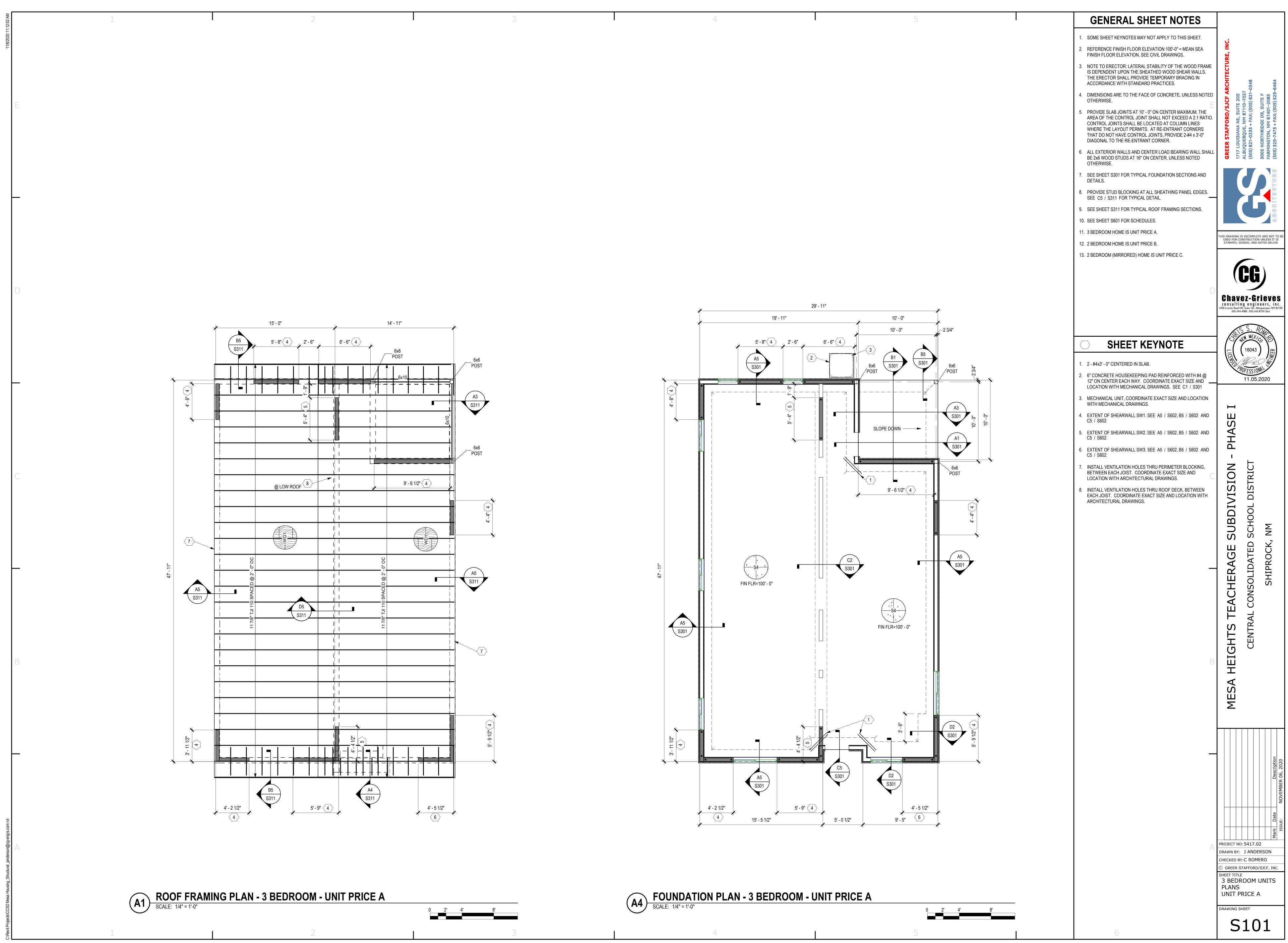


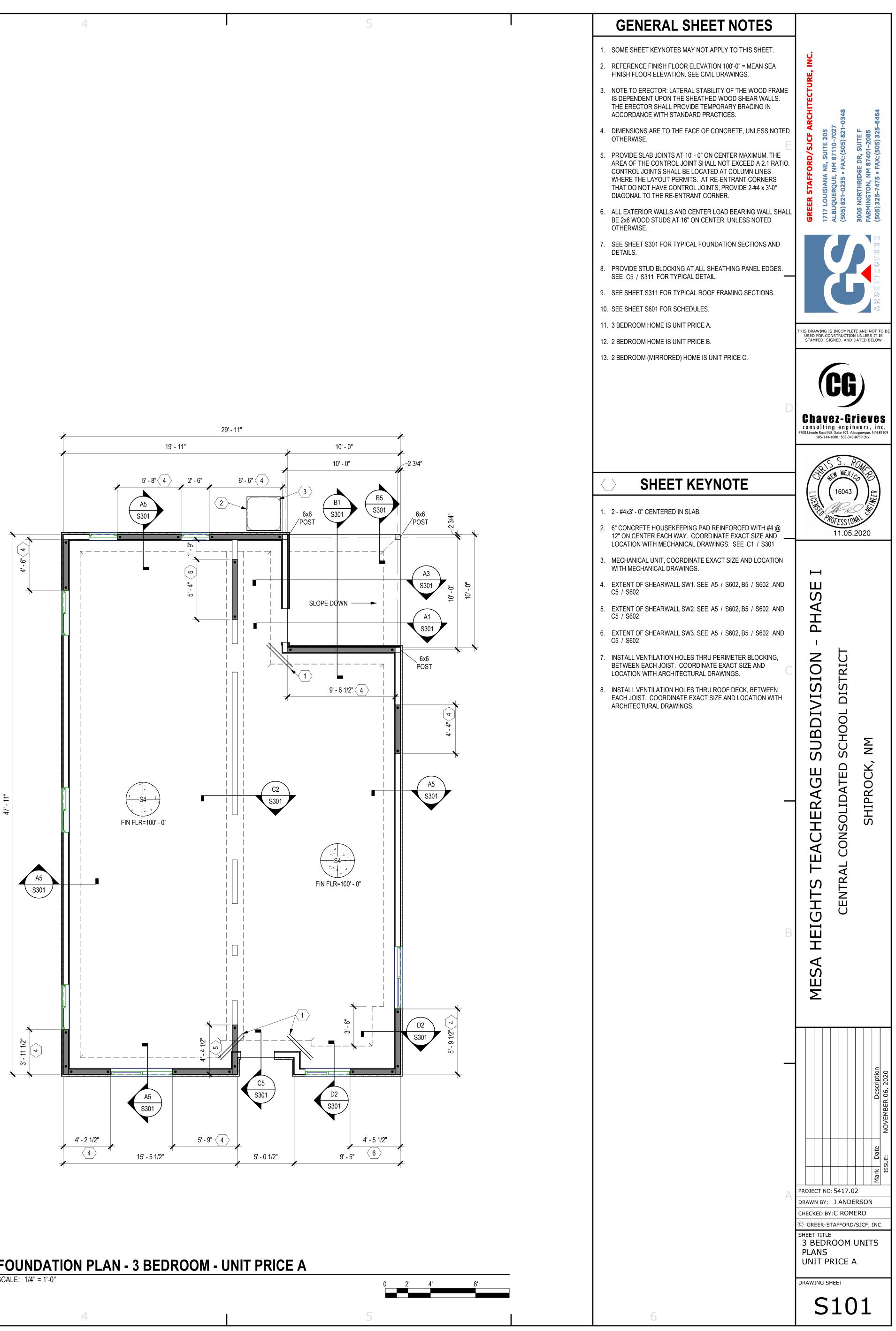
COMPONENTS AND CLADDING WIND PRESSURES (PSF			
CALCULATED AT MEAN ROOF HEIGHT = 12'-4 1/2", USIN			
THE PART 4 METHOD		10 CHAPTEI	R 30 FOR
	h<160FT		
a = 3 FT	EFFECTI	VE WIND AF	REA (FT <sup>2</sup> )
ZONE	10	100	500
1	-33.7	-33.7	-33.7
2	-43.5	-40.9	-39.2
1 AND 2 OVERHANGS	-43.5	-43.5	-43.5
3	-75.2	-62.4	-52.6
3 OVERHANGS	-86.5	-81.3	-77.8
4	31.3	27.5	25.0
4 PARAPETS	72.4	63.7	57.9
5	48.4	36.9	29.1
5 PARAPETS	104.1	79.4	62.4
ZONE 1	ZONE	4	
ZONE 2	ZONE	5	
ZONE 3			

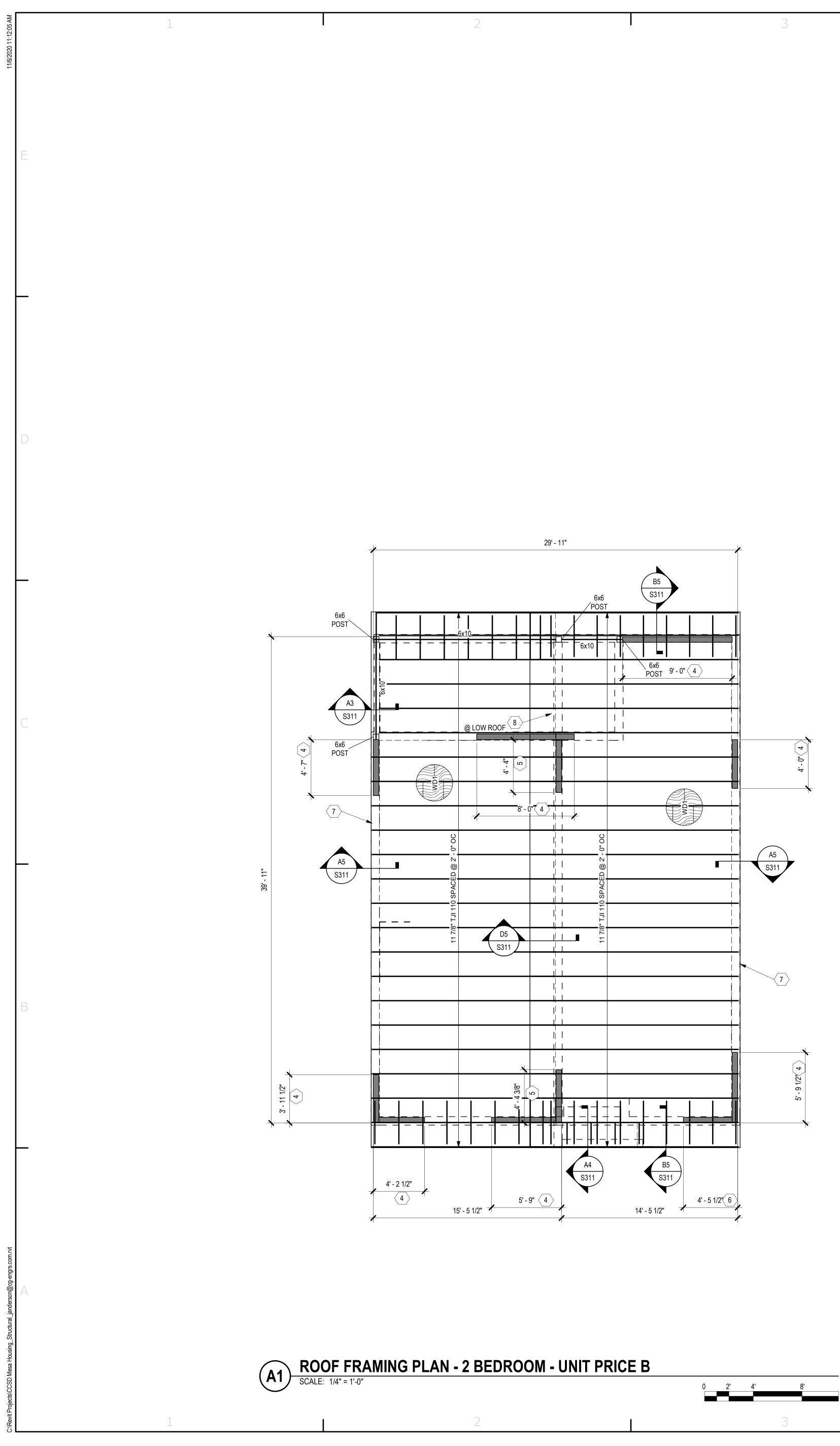
NOTE: SEE ASCE 7-10 TABLE 30.7-2 FOR ZONE EXTENTS FOR OTHER ROOF TYPES

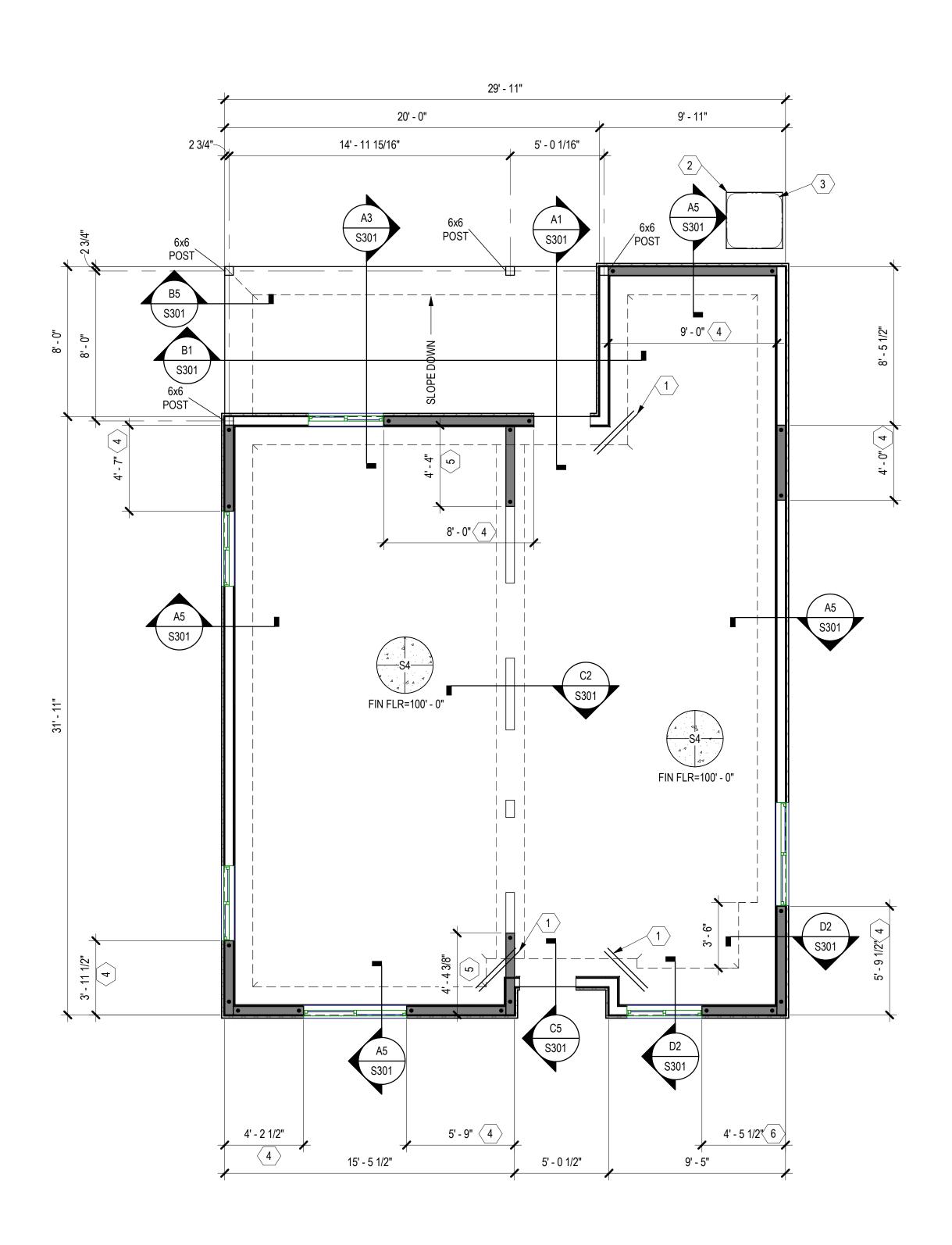














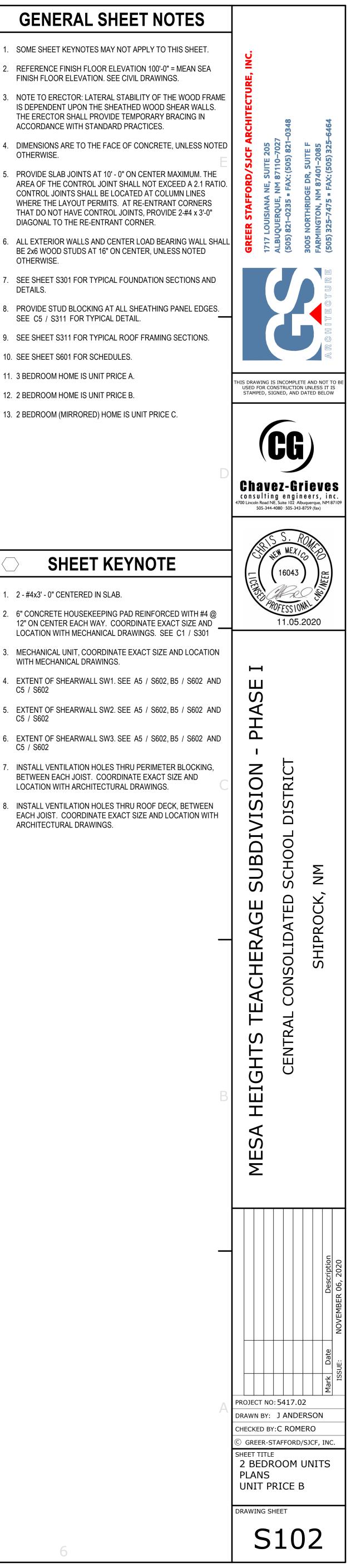
# **GENERAL SHEET NOTES**

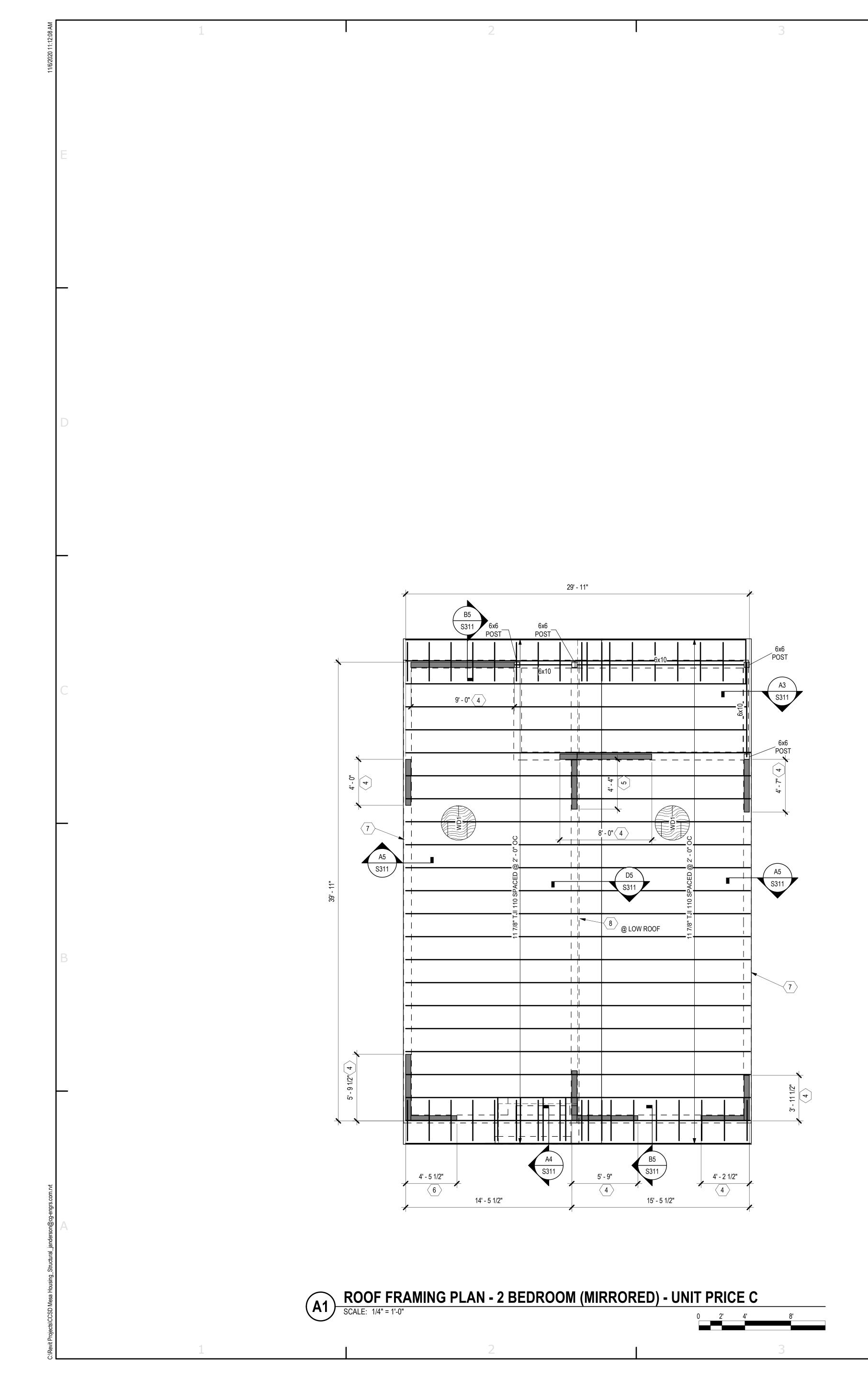
- . SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA
- NOTE TO ERECTOR: LATERAL STABILITY OF THE WOOD FRAME IS DEPENDENT UPON THE SHEATHED WOOD SHEAR WALLS. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING IN ACCORDANCE WITH STANDARD PRACTICES.
- DIMENSIONS ARE TO THE FACE OF CONCRETE, UNLESS NOTED OTHERWISE.
- PROVIDE SLAB JOINTS AT 10' 0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2.1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
- . ALL EXTERIOR WALLS AND CENTER LOAD BEARING WALL SHALL BE 2x6 WOOD STUDS AT 16" ON CENTER, UNLESS NOTED OTHERWISE.
- . SEE SHEET S301 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
- . PROVIDE STUD BLOCKING AT ALL SHEATHING PANEL EDGES. SEE C5 / S311 FOR TYPICAL DETAIL.
- 9. SEE SHEET S311 FOR TYPICAL ROOF FRAMING SECTIONS.
- 10. SEE SHEET S601 FOR SCHEDULES.
- 11. 3 BEDROOM HOME IS UNIT PRICE A. 12. 2 BEDROOM HOME IS UNIT PRICE B.
- 13. 2 BEDROOM (MIRRORED) HOME IS UNIT PRICE C.

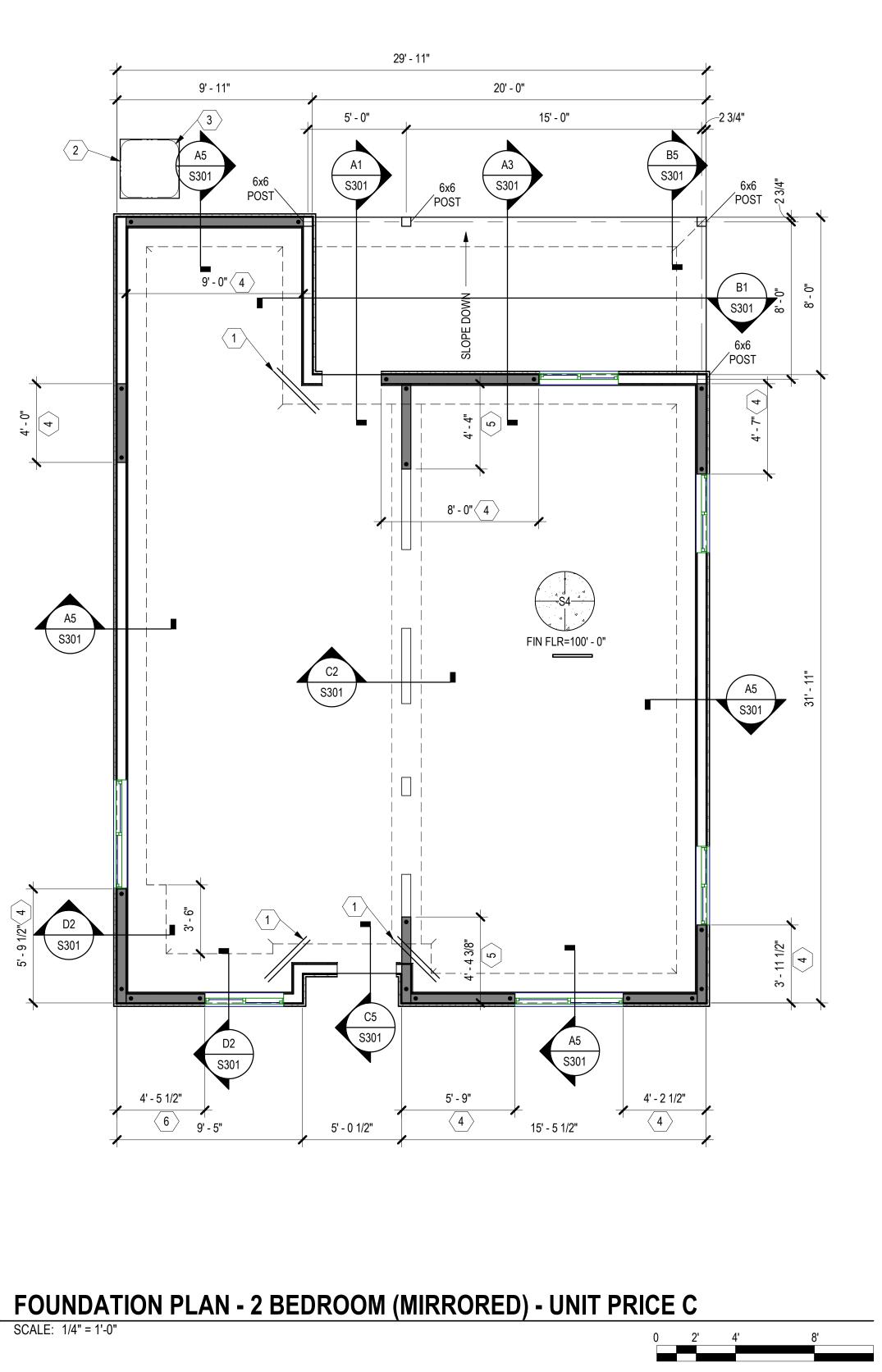
## SHEET KEYNOTE

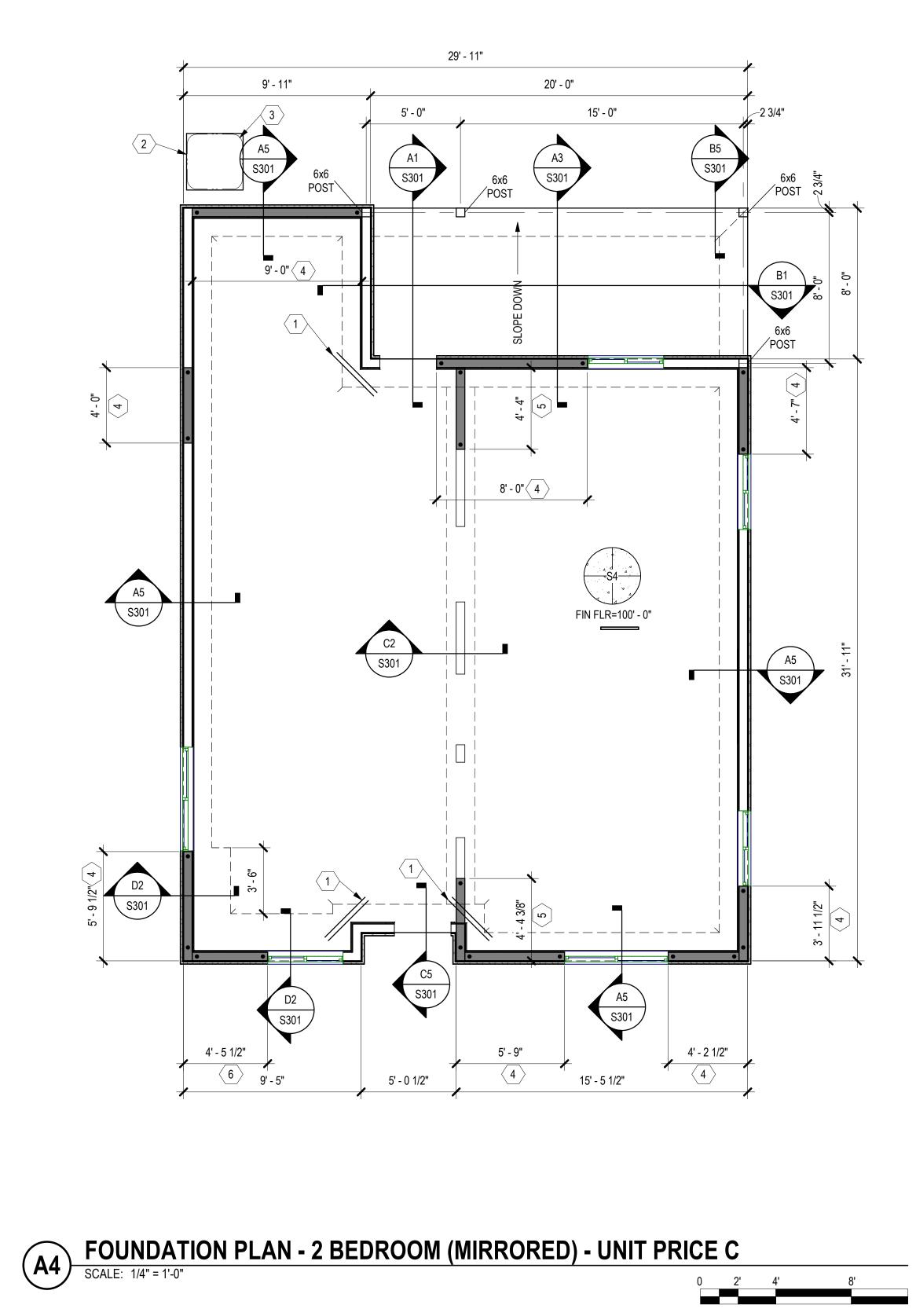
- 1. 2 #4x3' 0" CENTERED IN SLAB.
- 6" CONCRETE HOUSEKEEPING PAD REINFORCED WITH #4 @ 12" ON CENTER EACH WAY. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C1 / S301
- MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- C5 / S602 5. EXTENT OF SHEARWALL SW2. SEE A5 / S602, B5 / S602 AND
- C5 / S602
- C5 / S602 . INSTALL VENTILATION HOLES THRU PERIMETER BLOCKING,
- BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
- INSTALL VENTILATION HOLES THRU ROOF DECK, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.

0 2' 4' 8'







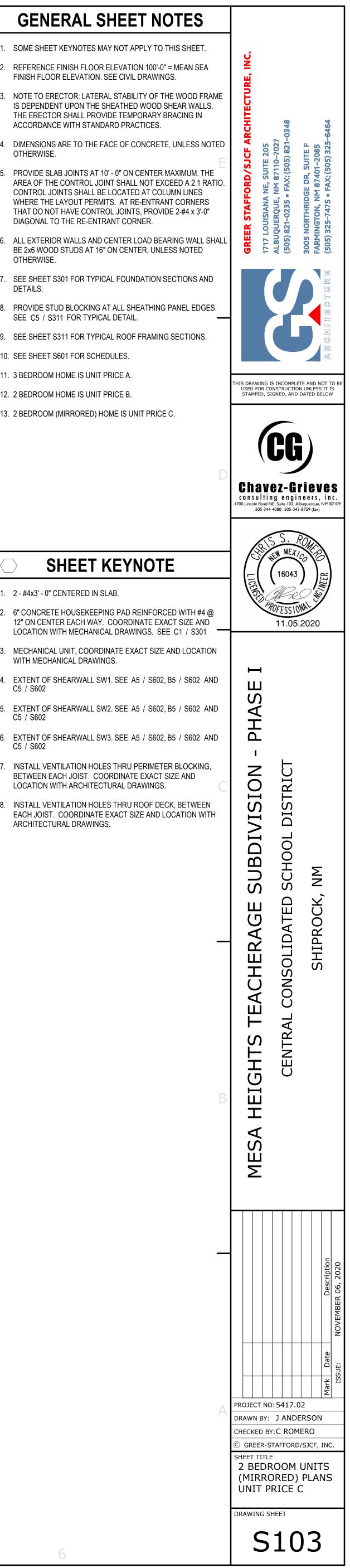


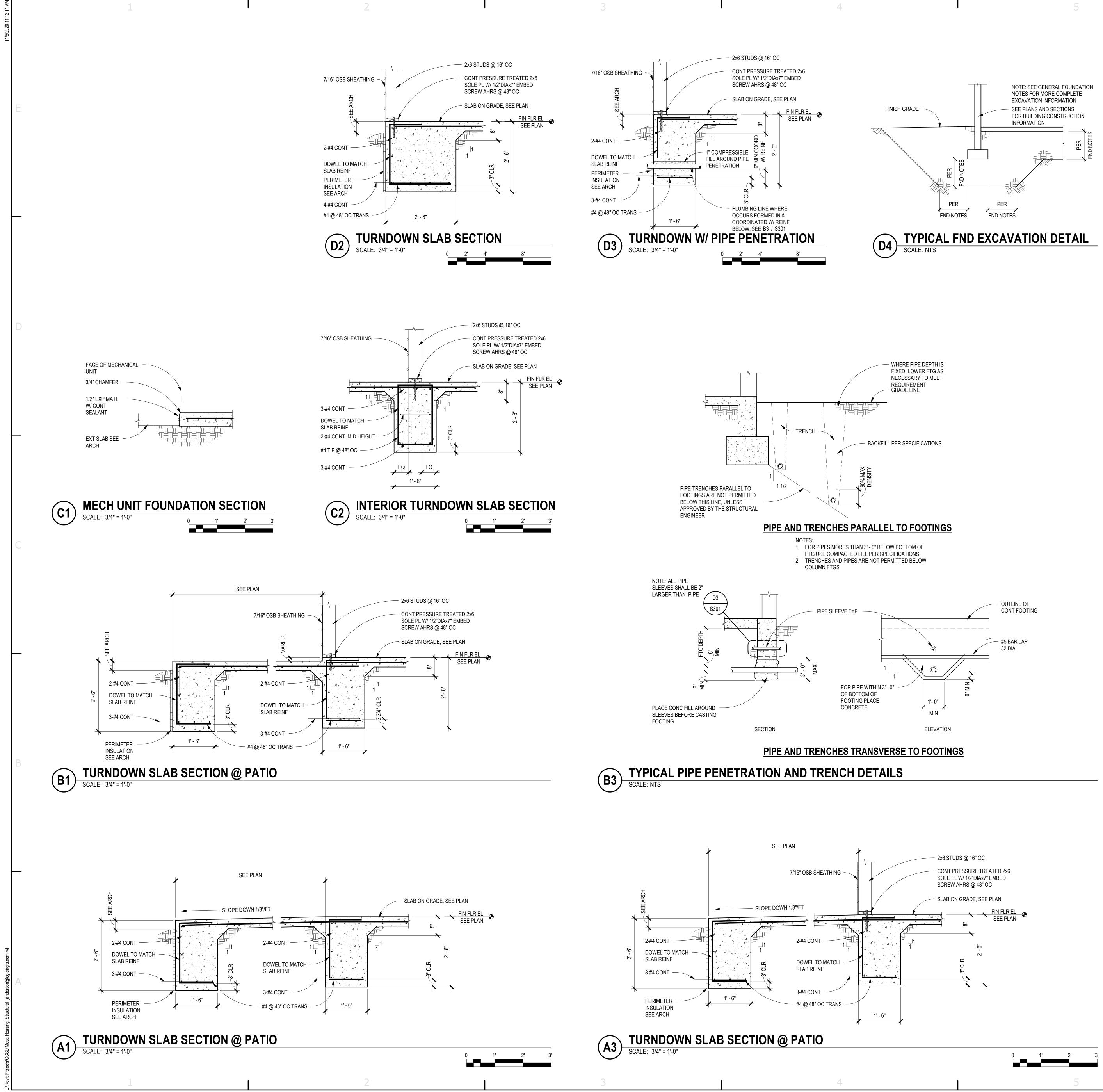
# **GENERAL SHEET NOTES**

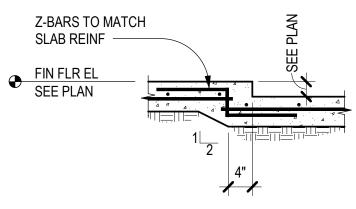
- SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
- IS DEPENDENT UPON THE SHEATHED WOOD SHEAR WALLS. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING IN ACCORDANCE WITH STANDARD PRACTICES.
- DIMENSIONS ARE TO THE FACE OF CONCRETE, UNLESS NOTED OTHERWISE.
- PROVIDE SLAB JOINTS AT 10' 0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2.1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
- BE 2x6 WOOD STUDS AT 16" ON CENTER, UNLESS NOTED OTHERWISE.
- DETAILS.
- SEE C5 / S311 FOR TYPICAL DETAIL.
- 9. SEE SHEET S311 FOR TYPICAL ROOF FRAMING SECTIONS.
  - 10. SEE SHEET S601 FOR SCHEDULES.
  - 11. 3 BEDROOM HOME IS UNIT PRICE A. 12. 2 BEDROOM HOME IS UNIT PRICE B.
  - 13. 2 BEDROOM (MIRRORED) HOME IS UNIT PRICE C.

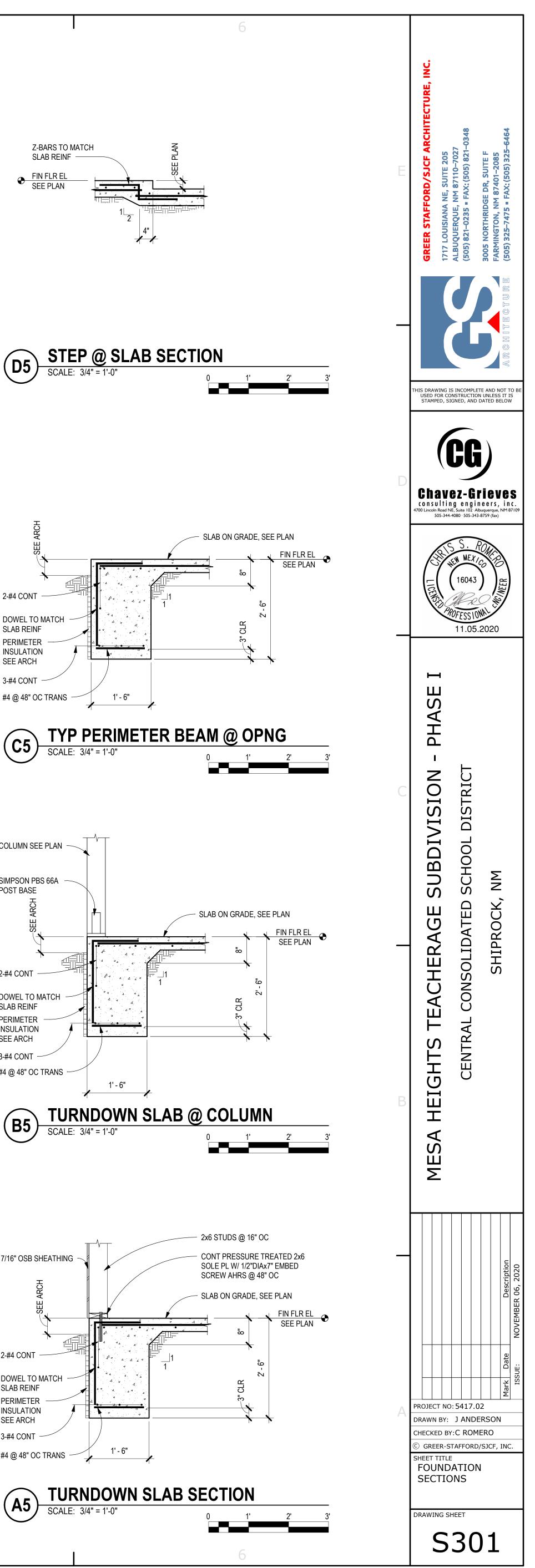
### SHEET KEYNOTE

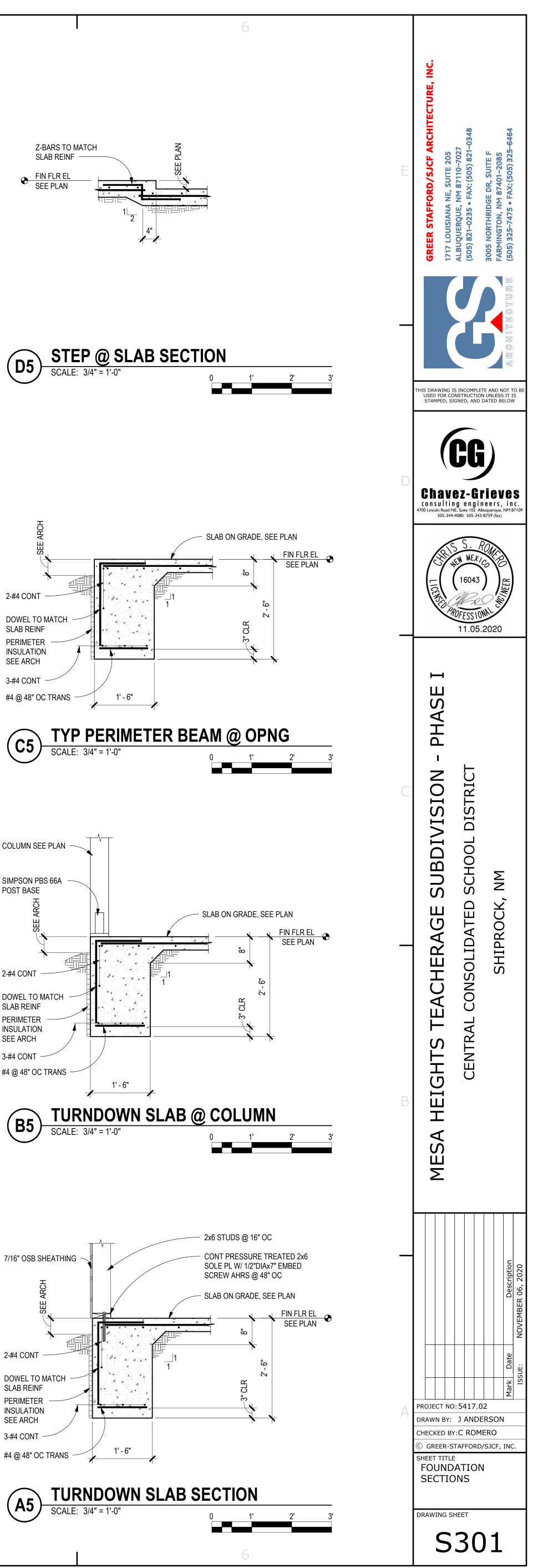
- 1. 2 #4x3' 0" CENTERED IN SLAB.
- 6" CONCRETE HOUSEKEEPING PAD REINFORCED WITH #4 @ 12" ON CENTER EACH WAY. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C1 / S301
- 3. MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- 4. EXTENT OF SHEARWALL SW1. SEE A5 / S602, B5 / S602 AND C5 / S602
- C5 / S602
- 6. EXTENT OF SHEARWALL SW3. SEE A5 / S602, B5 / S602 AND C5 / S602
- INSTALL VENTILATION HOLES THRU PERIMETER BLOCKING, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
- INSTALL VENTILATION HOLES THRU ROOF DECK, BETWEEN EACH JOIST. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.

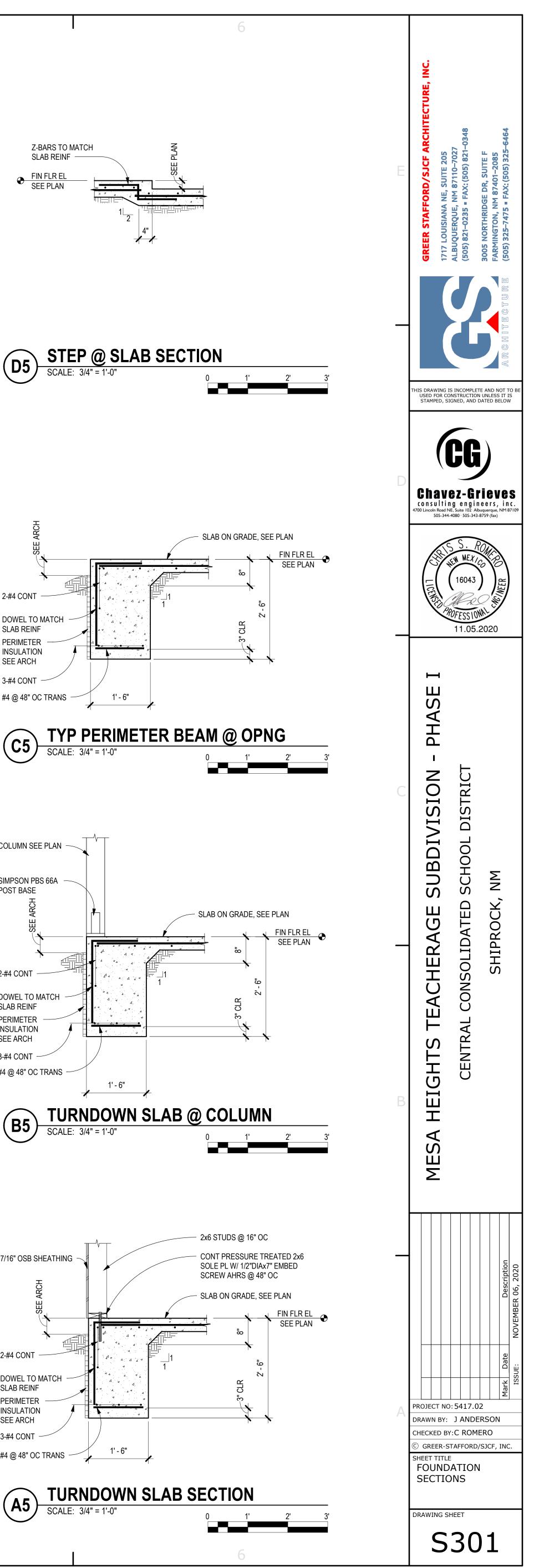


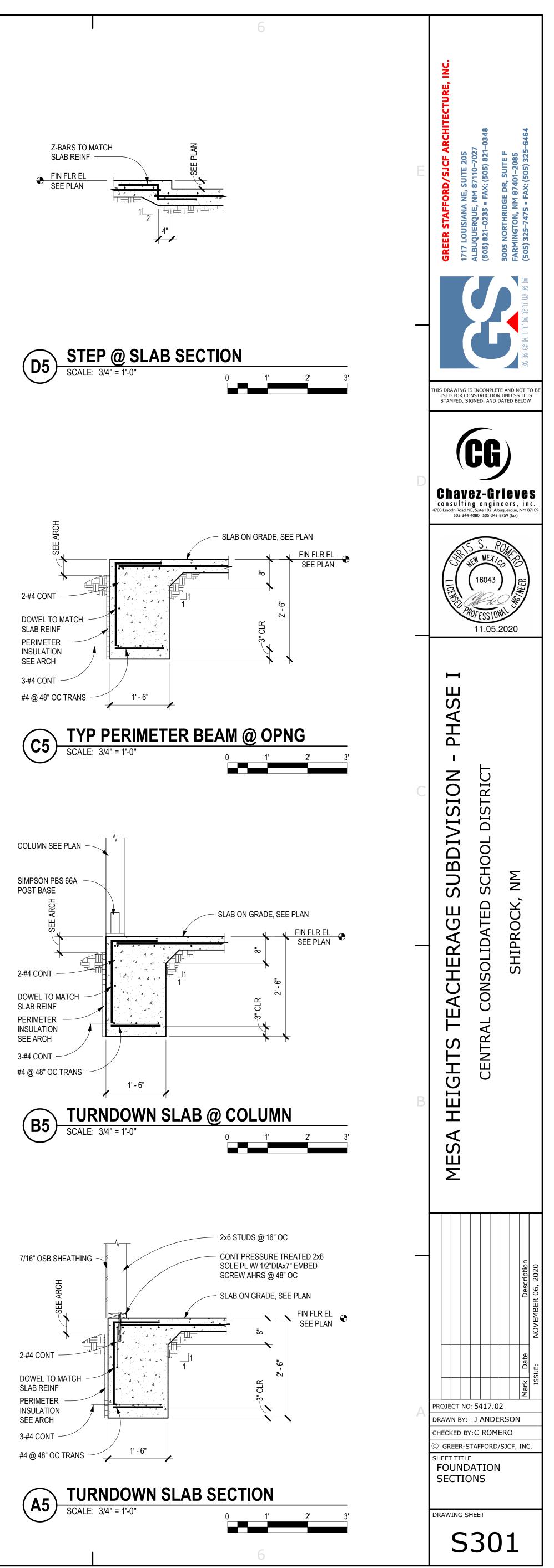


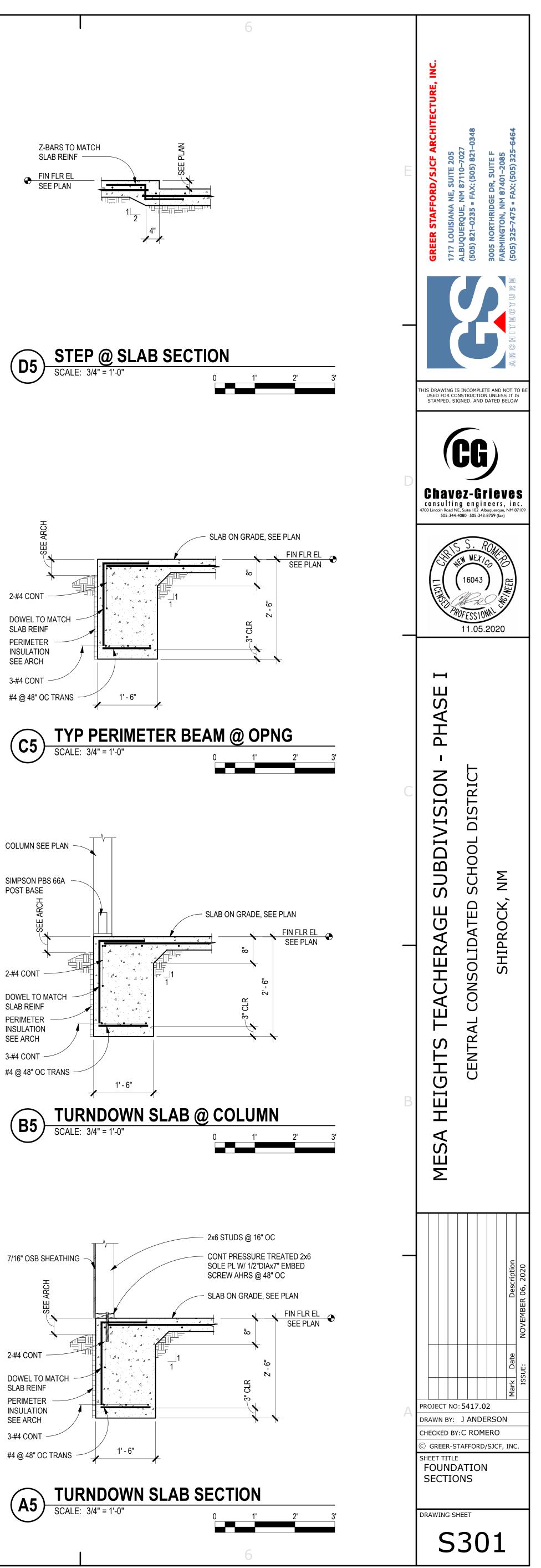




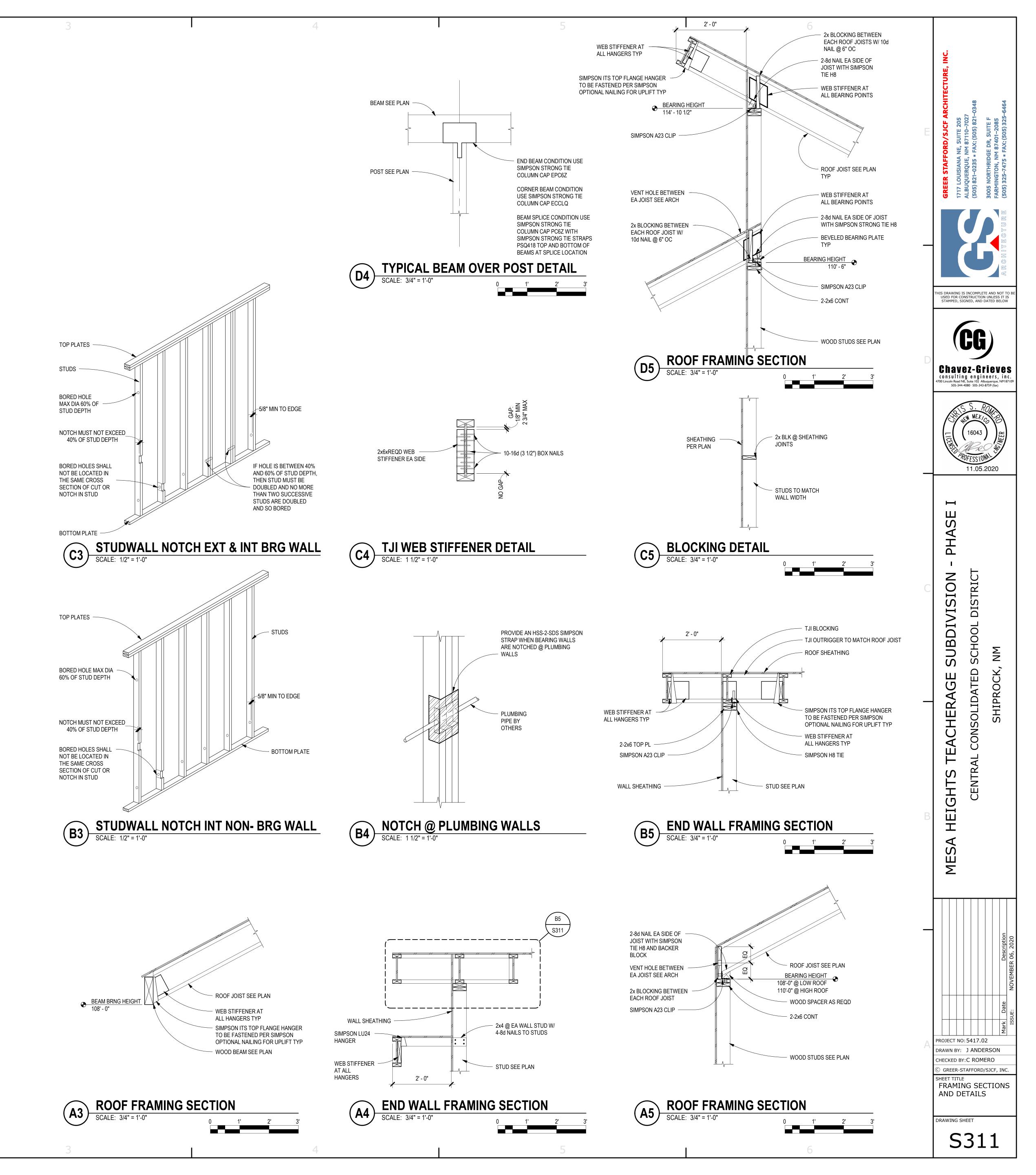


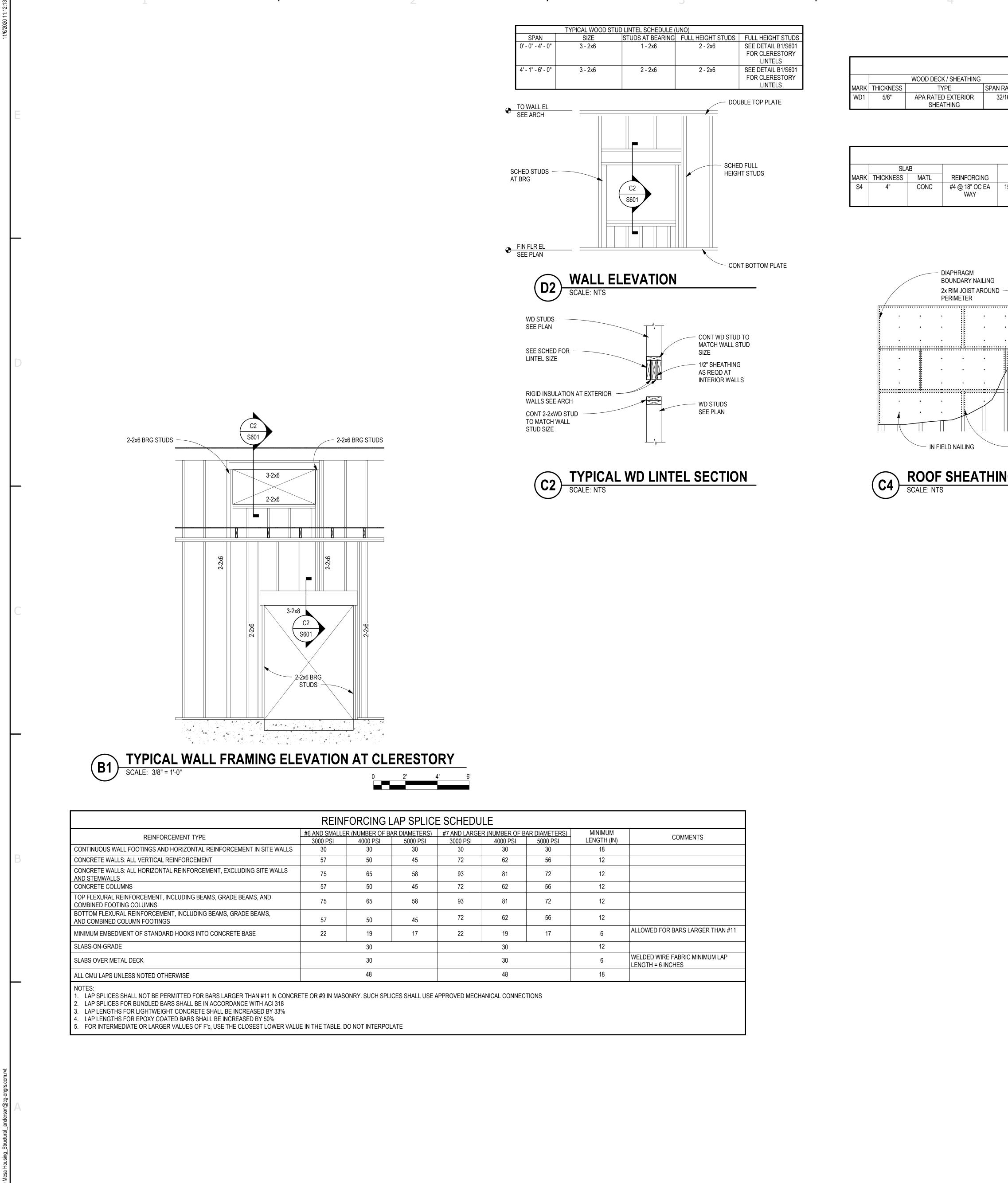






2 AM			2
11/6/2020 11:12:12 AM			
11/6/202			
	E		
	D		
	С		
	В		
com.rvt			
g-engrs.c			
erson@c	Α		
ıral_jandı			
<pre>kevit Projects\CCSD Mesa Housing_Structural_janderson@cg-engrs.com.rvt</pre>			
a Housin			
CSD Mes.			
ojects\C(			
evit Pr			2

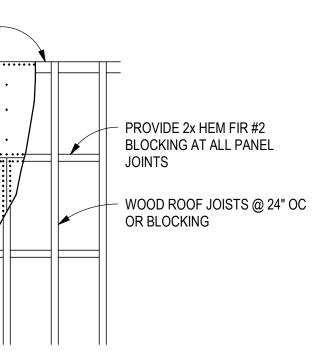




JLE					
ER (NUMBER OF B 4000 PSI	AR DIAMETERS) 5000 PSI	MINIMUM LENGTH (IN)	COMMENTS		
30	30	18			
62	56	12			
81	72	12			
62	56	12			
81	72	12			
62	56	12			
19	17	6	ALLOWED FOR BARS LARGER THAN #11		
30		12			
30		6	WELDED WIRE FABRIC MINIMUM LAP LENGTH = 6 INCHES		
48		18			

	EDULE	WOOD DECK / SHEATHING SCH	
	(ATTACHMENTS	DECK	
COMMENTS	ATTACH TO SUPPORTS IN REMAINING FIELD	ATTACH TO SUPPORTS AT EDGES	SPAN RATING
	8d RING SHANK NAILS AT 6" OC	8d RING SHANK NAILS AT 6" OC	32/16

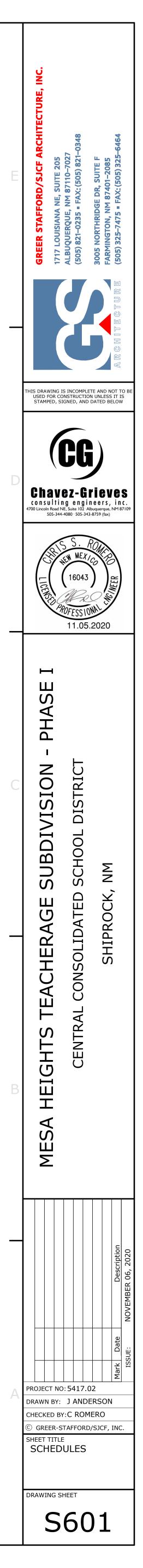
SLAB-ON-GRADE SCHEDULE	
BEARING STRATA	COMMENTS
	SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION



- PANEL EDGE NAILING OR BLOCKING



NAILING SCHEDULE		
CONNECTION	NAILING	
JOIST TO SILL OR GIRDER, TOENAIL	3-8D	
BRIDGING TO JOIST, TOENAIL EACH END	2-8D	
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16D AT 16"OC	
TOP PLATE TO STUD, END NAIL	2-16D	
STUD TO SOLE PLATE	4-8, TOENAIL OR 2-16D, END NAIL	
DOUBLE STUDS, FACE NAIL	16D 1T 24" OC	
DOUBLE TOP PLATES, FACE NAIL	16D AT 16"OC	
TOP PLATES, LAP AND INTERSECTIONS, FACE NAIL	2-16D	
CONTINUOUS HEADER, TWO PIECES	16D AT 16"OC ALONG EACH EDGE	
CEILING JOISTS TO PLATE, TOENAIL	3-8D	
CONTINUOUS HEADER TO STUD, TOENAIL	4-8D	
CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	3-16D	
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16D	
BUILT-UP CORNER STUDS	16D AT 24"OC	
BUILT-UP GIRDER AND BEAM AND AT EACH SF		
PLYWOOD AND PARTICLEBOARD:		
ROOF AND WALL SHEATHING TO FRAMING:		
1/2" AND LESS	6D	
19/32" - 3/4"	8D 0R 6D	



3 AM		1	2
11/6/2020 11:12:13 AM			
11/6/2020			
,			
	E		
	D		
	C		
	С		
	B		
	В		
ų			
's.com.r			
cg-engr			
lerson@	A		
Iral_janc			
kevit Projects\CCSD Mesa Housing_Structural_janderson@cg-engrs.com.rvt			
Housing			
) Mesa			
ots/CCS			
wit Proje			

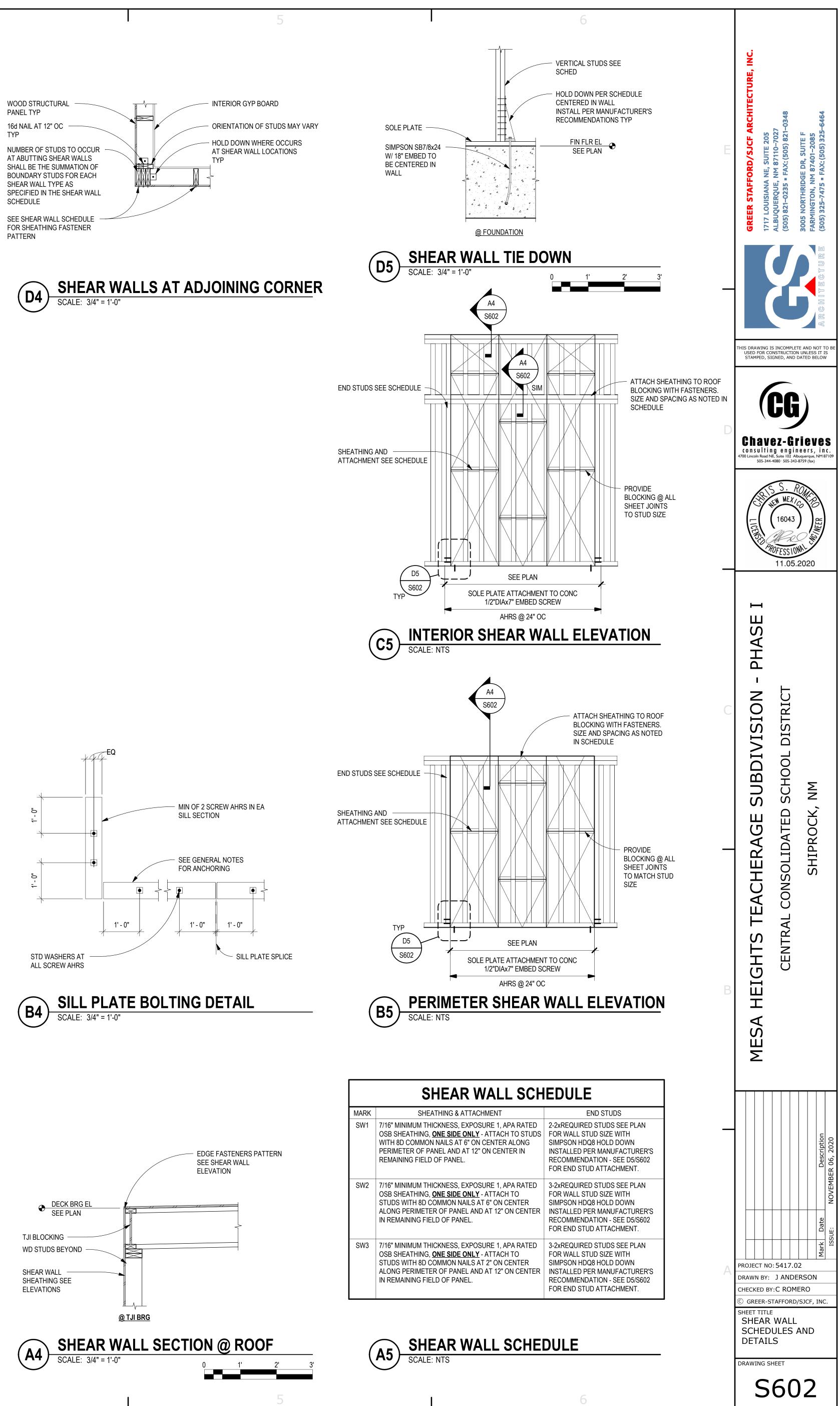


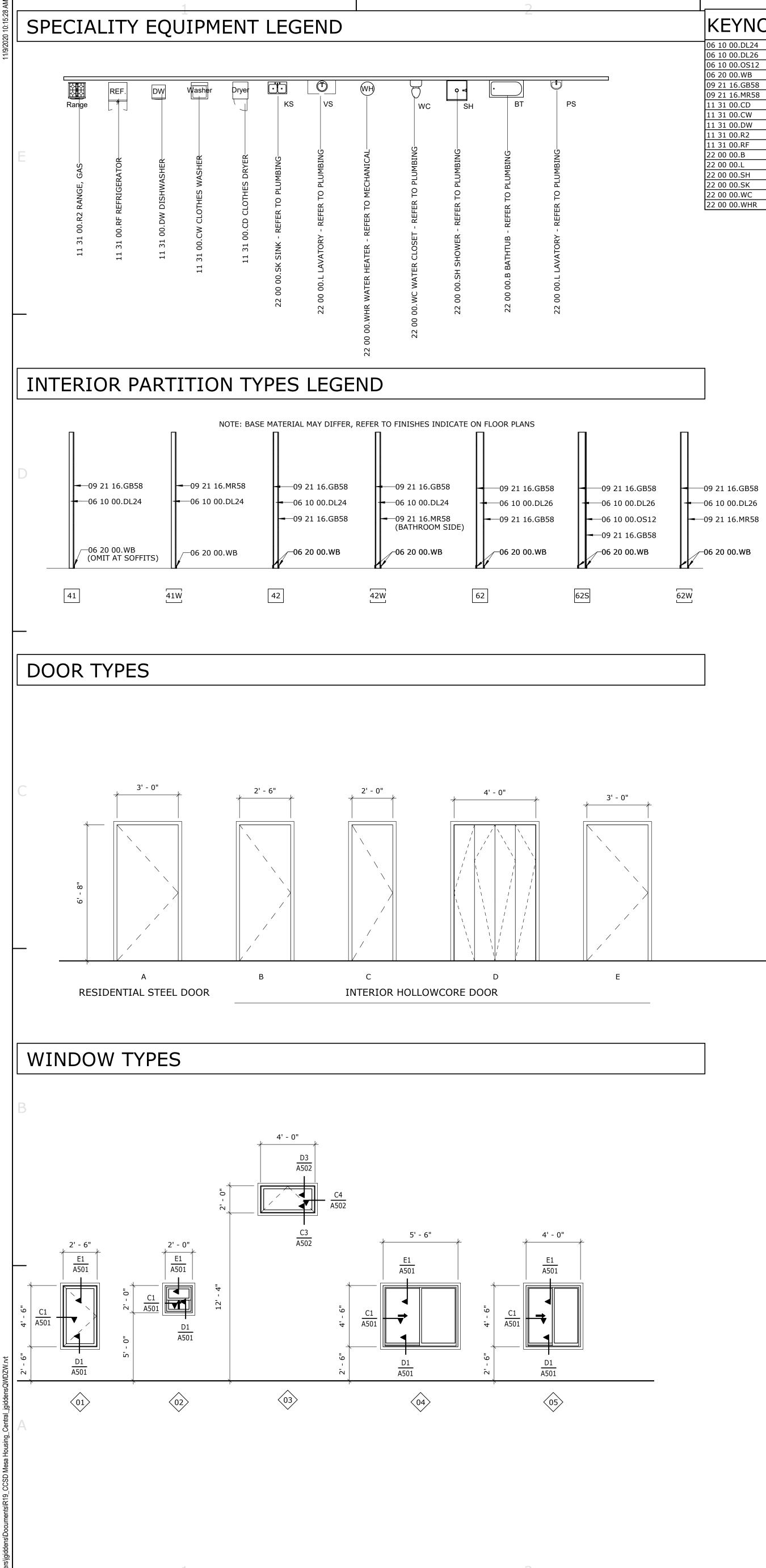
PANEL TYP

TYP

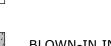
PATTERN

SCHEDULE





41 · · · · · · · · · · · · · · · · · · ·	CONCRETE	 MEMBRAN
	EARTH	STUCCO
	RIGID INSULATION	1HR WALL
	BATT INSULATION	2HR WALL
	WOOD BLOCKING	CMU
000000000000000000000000000000000000000	SPRAYED INSULATION	





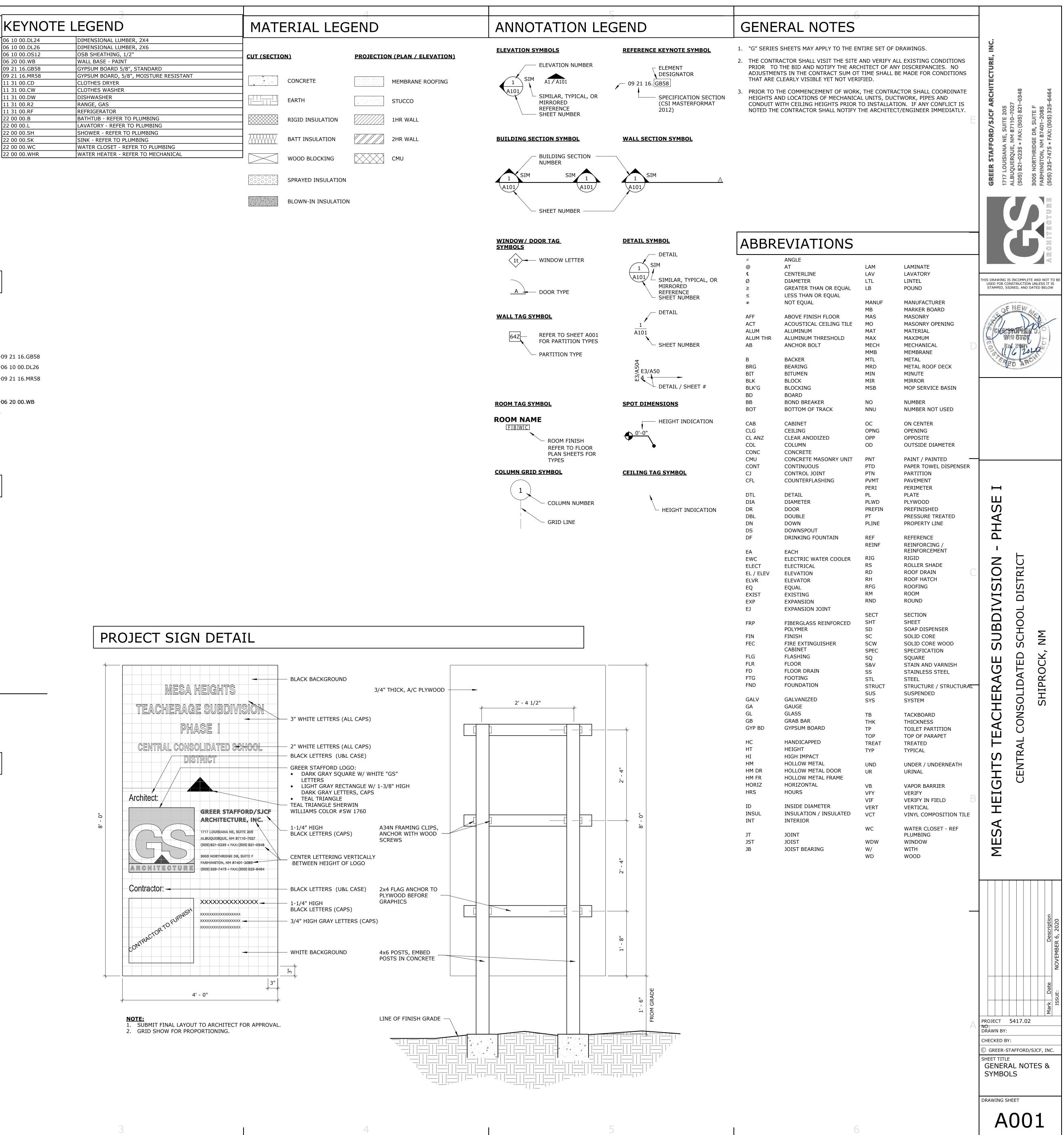


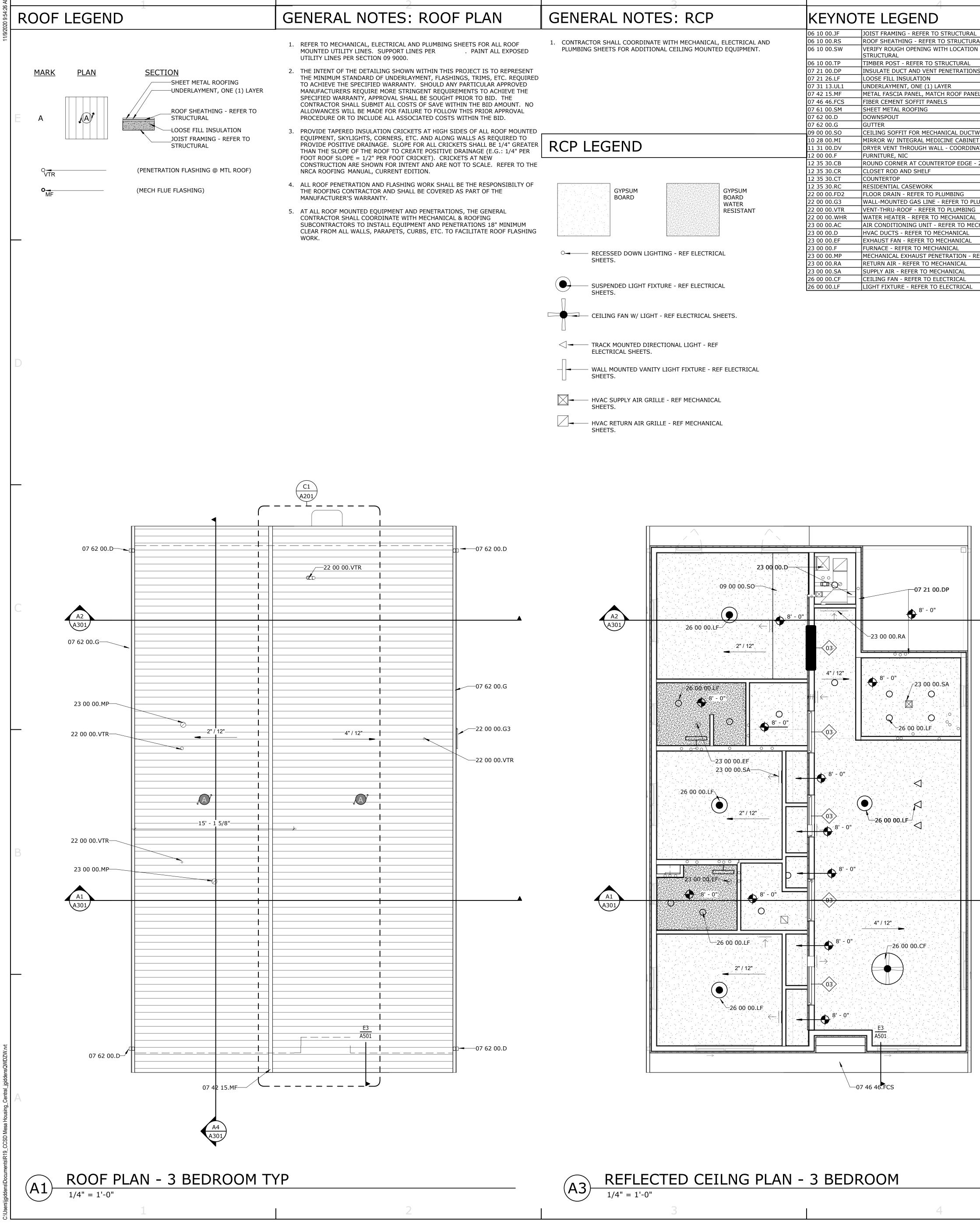




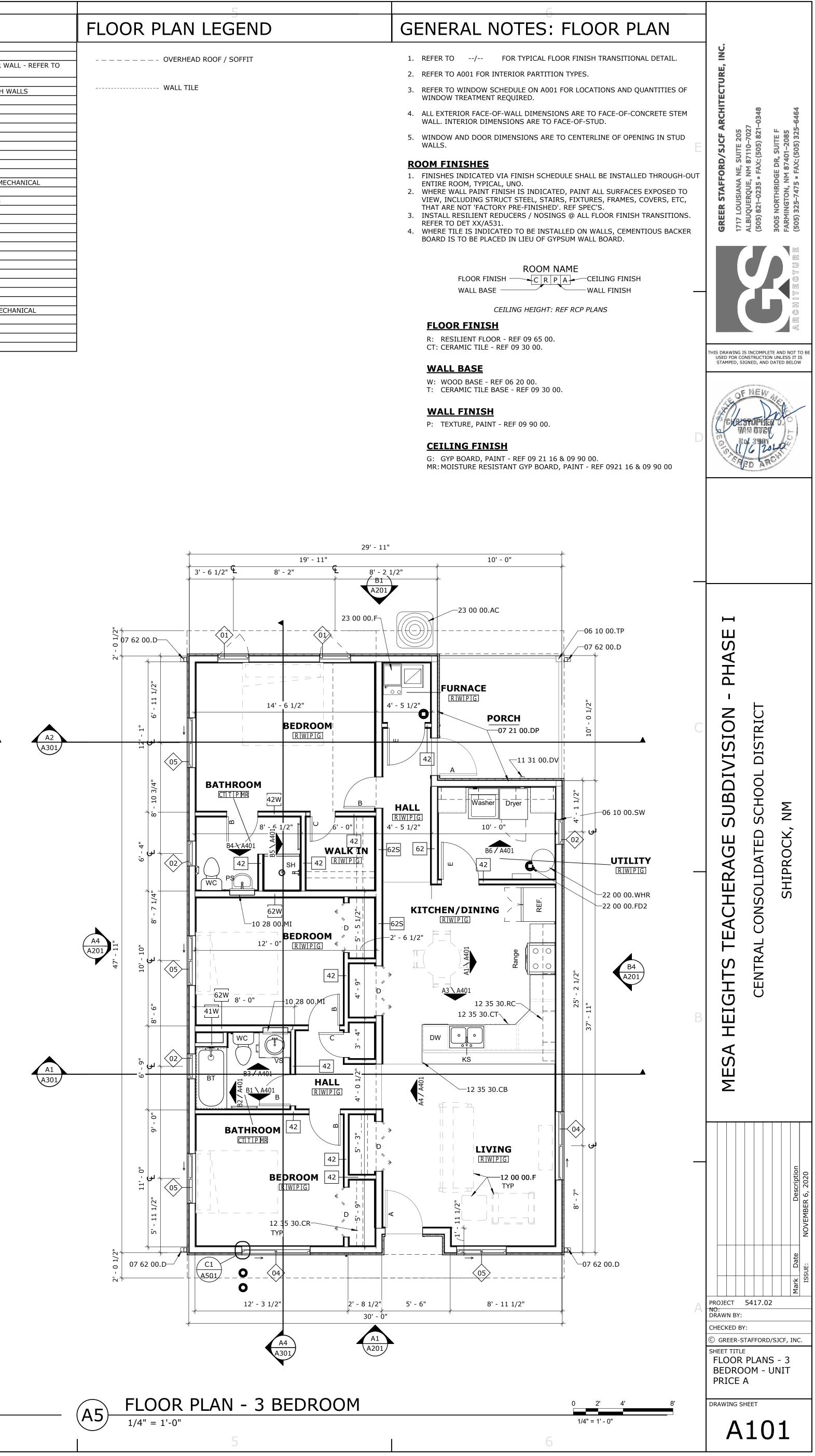


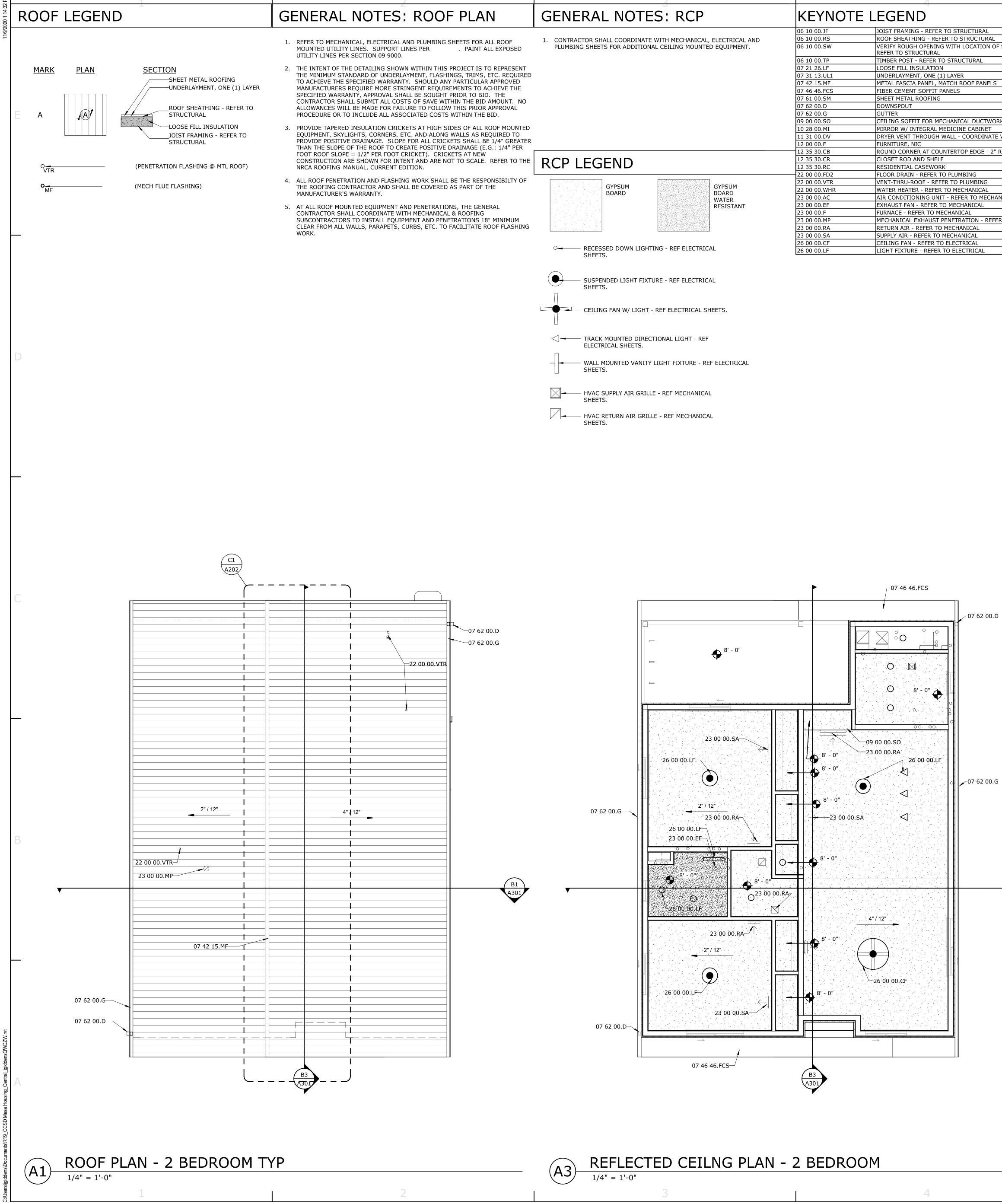






	2	1	5	6
LAN	GENERAL NOTES: RCP	KEYNOTE LEGEND	FLOOR PLAN LEGEND	GENERAL NOTES: FLOO
S FOR ALL ROOF PAINT ALL EXPOSED	1. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING SHEETS FOR ADDITIONAL CEILING MOUNTED EQUIPMENT.	06 10 00.JF       JOIST FRAMING - REFER TO STRUCTURAL         06 10 00.RS       ROOF SHEATHING - REFER TO STRUCTURAL         06 10 00.SW       VERIFY ROUGH OPENING WITH LOCATION OF SHEAR WALL - REFER TO STRUCTURAL	OVERHEAD ROOF / SOFFIT	<ol> <li>REFER TO/ FOR TYPICAL FLOOR FINISH TR</li> <li>REFER TO A001 FOR INTERIOR PARTITION TYPES.</li> </ol>
CT IS TO REPRESENT TRIMS, ETC. REQUIRED		06 10 00.TPTIMBER POST - REFER TO STRUCTURAL07 21 00.DPINSULATE DUCT AND VENT PENETRATIONS THROUGH WALLS07 21 26.LFLOOSE FILL INSULATION	WALL TILE	3. REFER TO WINDOW SCHEDULE ON A001 FOR LOCATION WINDOW TREATMENT REQUIRED.
TCULAR APPROVED TS TO ACHIEVE THE TO BID. THE HE BID AMOUNT. NO		07 31 13.UL1UNDERLAYMENT, ONE (1) LAYER07 42 15.MFMETAL FASCIA PANEL, MATCH ROOF PANELS07 46 46.FCSFIBER CEMENT SOFFIT PANELS		4. ALL EXTERIOR FACE-OF-WALL DIMENSIONS ARE TO FACE WALL. INTERIOR DIMENSIONS ARE TO FACE-OF-STUD.
PRIOR APPROVAL IN THE BID.		07 61 00.SM         SHEET METAL ROOFING           07 62 00.D         DOWNSPOUT           07 62 00.G         GUTTER		5. WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE WALLS.
OF ALL ROOF MOUNTED S AS REQUIRED TO HALL BE 1/4" GREATER AGE (E.G.: 1/4" PER	RCP LEGEND	09 00 00.SO         CEILING SOFFIT FOR MECHANICAL DUCTWORK           10 28 00.MI         MIRROR W/ INTEGRAL MEDICINE CABINET           11 31 00.DV         DRYER VENT THROUGH WALL - COORDINATE WITH MECHANICAL           12 00 00.F         FURNITURE, NIC		<ul> <li>ROOM FINISHES</li> <li>1. FINISHES INDICATED VIA FINISH SCHEDULE SHALL BE ENTIRE ROOM, TYPICAL, UNO.</li> <li>2. WHERE WALL PAINT FINISH IS INDICATED, PAINT ALL S</li> </ul>
AT NEW SCALE. REFER TO THE IE RESPONSIBILTY OF		12 35 30.CBROUND CORNER AT COUNTERTOP EDGE - 2" RADIUS12 35 30.CRCLOSET ROD AND SHELF12 35 30.CTCOUNTERTOP		VIEW, INCLUDING STRUCT STEEL, STAIRS, FIXTURES, I THAT ARE NOT 'FACTORY PRE-FINISHED'. REF SPEC'S. 3. INSTALL RESILIENT REDUCERS / NOSINGS @ ALL FLOC REFER TO DET XX/A531.
RT OF THE	GYPSUM BOARD WATER RESISTANT	12 35 30.RCRESIDENTIAL CASEWORK22 00 00.FD2FLOOR DRAIN - REFER TO PLUMBING22 00 00.G3WALL-MOUNTED GAS LINE - REFER TO PLUMBING22 00 00.VTRVENT-THRU-ROOF - REFER TO PLUMBING		4. WHERE TILE IS INDICATED TO BE INSTALLED ON WALL BOARD IS TO BE PLACED IN LIEU OF GYPSUM WALL BO
OFING ONS 18" MINIMUM ITATE ROOF FLASHING		22 00 00.WHRWATER HEATER - REFER TO MECHANICAL23 00 00.ACAIR CONDITIONING UNIT - REFER TO MECHANICAL23 00 00.DHVAC DUCTS - REFER TO MECHANICAL23 00 00.EFEXHAUST FAN - REFER TO MECHANICAL		
	• RECESSED DOWN LIGHTING - REF ELECTRICAL SHEETS.	23 00 00.FFURNACE - REFER TO MECHANICAL23 00 00.MPMECHANICAL EXHAUST PENETRATION - REFER TO MECHANICAL23 00 00.RARETURN AIR - REFER TO MECHANICAL		CEILING HEIGHT: REF RCP PLANS
	SUSPENDED LIGHT FIXTURE - REF ELECTRICAL SHEETS.	23 00 00.SASUPPLY AIR - REFER TO MECHANICAL26 00 00.CFCEILING FAN - REFER TO ELECTRICAL26 00 00.LFLIGHT FIXTURE - REFER TO ELECTRICAL		FLOOR FINISH R: RESILIENT FLOOR - REF 09 65 00. CT: CERAMIC TILE - REF 09 30 00.
	CEILING FAN W/ LIGHT - REF ELECTRICAL SHEETS.			WALL BASE W: WOOD BASE - REF 06 20 00.
	CI			T: CERAMIC TILE BASE - REF 09 30 00. WALL FINISH
	ELECTRICAL SHEETS.			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 0
	HVAC SUPPLY AIR GRILLE - REF MECHANICAL			

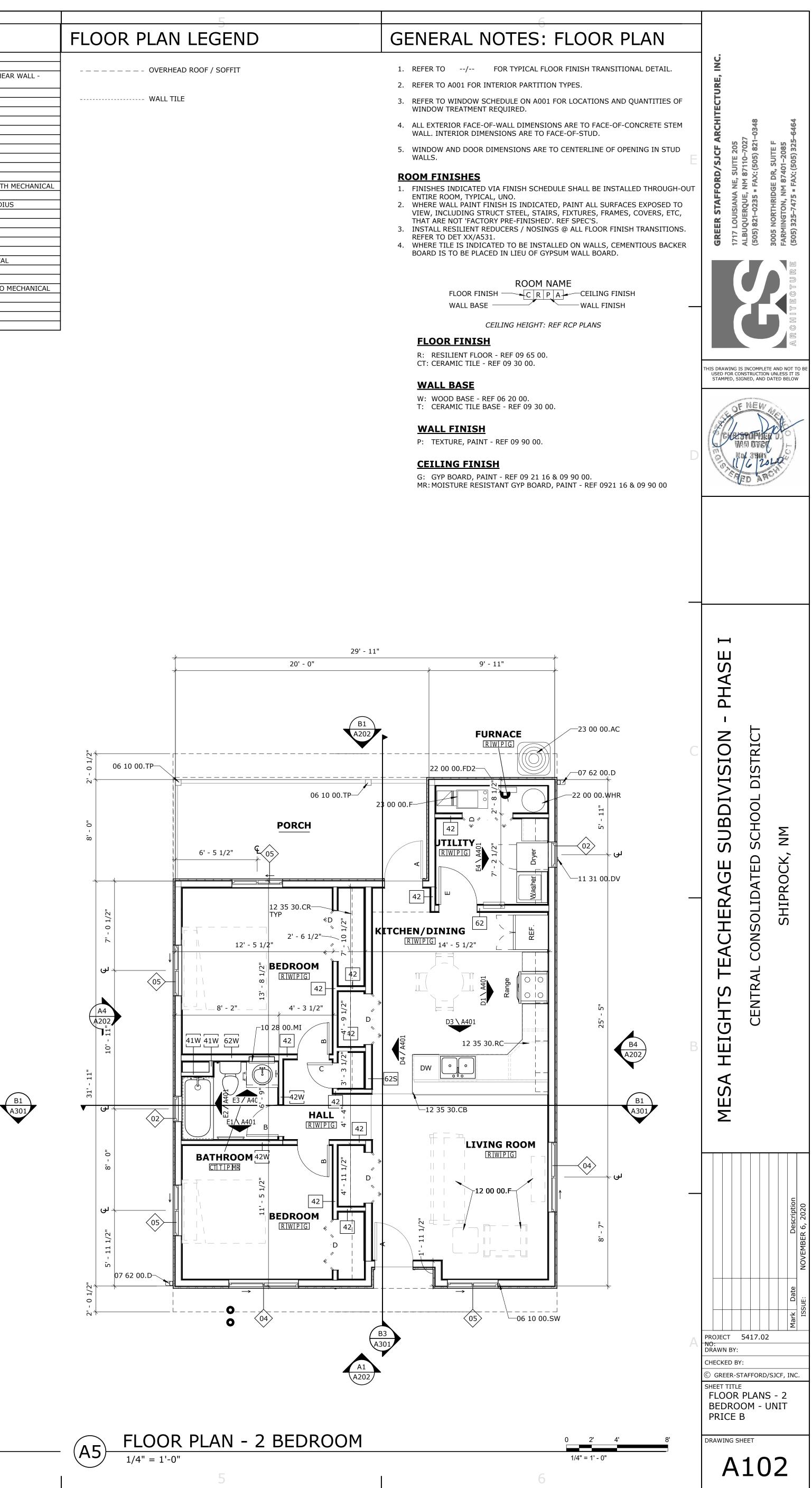




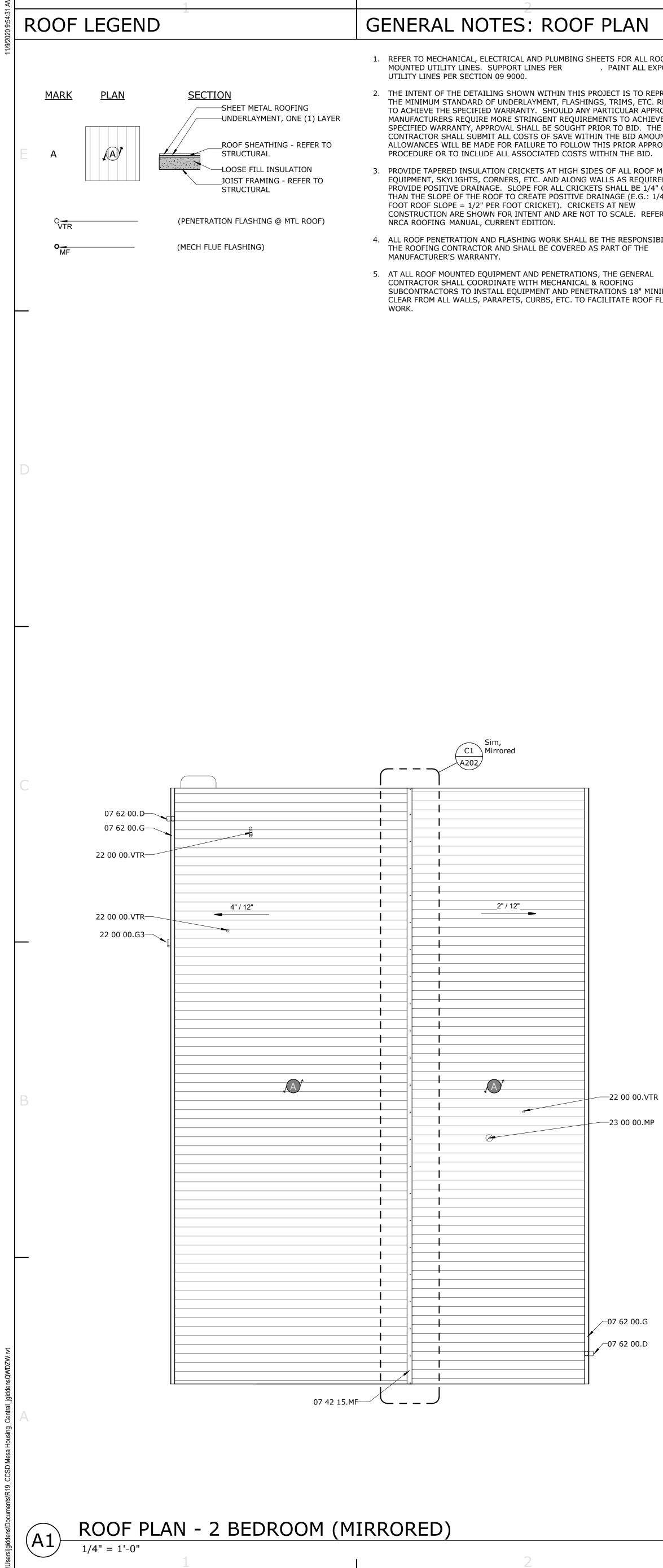
	3		Л
LAN	GENERAL NOTES: RCP	KEYNOT	E LEGEND
		06 10 00.JF	JOIST FRAMING - REFER TO STRUCTURA
S FOR ALL ROOF	1. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL AND	06 10 00.RS	ROOF SHEATHING - REFER TO STRUCTU
PAINT ALL EXPOSED	PLUMBING SHEETS FOR ADDITIONAL CEILING MOUNTED EQUIPMENT.	06 10 00.SW	VERIFY ROUGH OPENING WITH LOCATIO
		06 10 00.TP	TIMBER POST - REFER TO STRUCTURAL
CT IS TO REPRESENT		07 21 26.LF	LOOSE FILL INSULATION
TRIMS, ETC. REQUIRED		07 31 13.UL1	UNDERLAYMENT, ONE (1) LAYER
		07 42 15.MF	METAL FASCIA PANEL, MATCH ROOF PAI
S TO ACHIEVE THE TO BID. THE		07 46 46.FCS	FIBER CEMENT SOFFIT PANELS
HE BID AMOUNT. NO		07 61 00.SM	SHEET METAL ROOFING
PRIOR APPROVAL		07 62 00.D	DOWNSPOUT
IN THE BID.		07 62 00.G	GUTTER
		09 00 00.SO	CEILING SOFFIT FOR MECHANICAL DUC
F ALL ROOF MOUNTED		10 28 00.MI	MIRROR W/ INTEGRAL MEDICINE CABIN
S AS REQUIRED TO		11 31 00.DV	DRYER VENT THROUGH WALL - COORDI
HALL BE 1/4" GREATER AGE (E.G.: 1/4" PER		12 00 00.F	FURNITURE, NIC
T NEW		12 35 30.CB	ROUND CORNER AT COUNTERTOP EDGE
SCALE. REFER TO THE	RCP LEGEND	12 35 30.CR	CLOSET ROD AND SHELF
	RCP LEGEND	12 35 30.RC	RESIDENTIAL CASEWORK
		22 00 00.FD2	FLOOR DRAIN - REFER TO PLUMBING
E RESPONSIBILTY OF		22 00 00.VTR	VENT-THRU-ROOF - REFER TO PLUMBIN
RT OF THE	GYPSUM BOARD BOARD	22 00 00.WHR	WATER HEATER - REFER TO MECHANICA
	WATER	23 00 00.AC	AIR CONDITIONING UNIT - REFER TO M
IE GENERAL	RESISTANT	23 00 00.EF	EXHAUST FAN - REFER TO MECHANICAL
OFING		23 00 00.F	FURNACE - REFER TO MECHANICAL
ONS 18" MINIMUM		23 00 00.MP	MECHANICAL EXHAUST PENETRATION -
TATE ROOF FLASHING		23 00 00.RA	RETURN AIR - REFER TO MECHANICAL
		23 00 00.SA	SUPPLY AIR - REFER TO MECHANICAL
		26 00 00.CF	CEILING FAN - REFER TO ELECTRICAL
	RECESSED DOWN LIGHTING - REF ELECTRICAL SHEETS.	26 00 00.LF	LIGHT FIXTURE - REFER TO ELECTRICAL
	SUSPENDED LIGHT FIXTURE - REF ELECTRICAL SHEETS. CEILING FAN W/ LIGHT - REF ELECTRICAL SHEETS.		
	<ul> <li>TRACK MOUNTED DIRECTIONAL LIGHT - REF ELECTRICAL SHEETS.</li> <li>WALL MOUNTED VANITY LIGHT FIXTURE - REF ELECTRICAL SHEETS.</li> </ul>		
	HVAC SUPPLY AIR GRILLE - REF MECHANICAL SHEETS.		

	5	6
	FLOOR PLAN LEGEND	GENERAL NOTES: FLOOP
RAL TURAL ION OF SHEAR WALL -	OVERHEAD ROOF / SOFFIT	1. REFER TO/ FOR TYPICAL FLOOR FINISH TRAN
L	WALL TILE	<ol> <li>2. REFER TO A001 FOR INTERIOR PARTITION TYPES.</li> <li>3. REFER TO WINDOW SCHEDULE ON A001 FOR LOCATIONS WINDOW TREATMENT REQUIRED.</li> </ol>
ANELS		<ul><li>WINDOW TREATMENT REQUIRED.</li><li>4. ALL EXTERIOR FACE-OF-WALL DIMENSIONS ARE TO FACE WALL. INTERIOR DIMENSIONS ARE TO FACE-OF-STUD.</li></ul>
		5. WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE O WALLS.
CTWORK INET		ROOM FINISHES
DINATE WITH MECHANICAL		<ol> <li>FINISHES INDICATED VIA FINISH SCHEDULE SHALL BE IN ENTIRE ROOM, TYPICAL, UNO.</li> </ol>
E - 2" RADIUS		<ol> <li>WHERE WALL PAINT FINISH IS INDICATED, PAINT ALL SU VIEW, INCLUDING STRUCT STEEL, STAIRS, FIXTURES, FR THAT ARE NOT 'FACTORY PRE-FINISHED'. REF SPEC'S.</li> <li>INSTALL RESILIENT REDUCERS / NOSINGS @ ALL FLOOR</li> </ol>
NG CAL MECHANICAL		REFER TO DET XX/A531. 4. WHERE TILE IS INDICATED TO BE INSTALLED ON WALLS, BOARD IS TO BE PLACED IN LIEU OF GYPSUM WALL BOAF
- REFER TO MECHANICAL		ROOM NAME FLOOR FINISH C R P A CEILING WALL BASE WALL FI
AL		CEILING HEIGHT: REF RCP PLANS
		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.



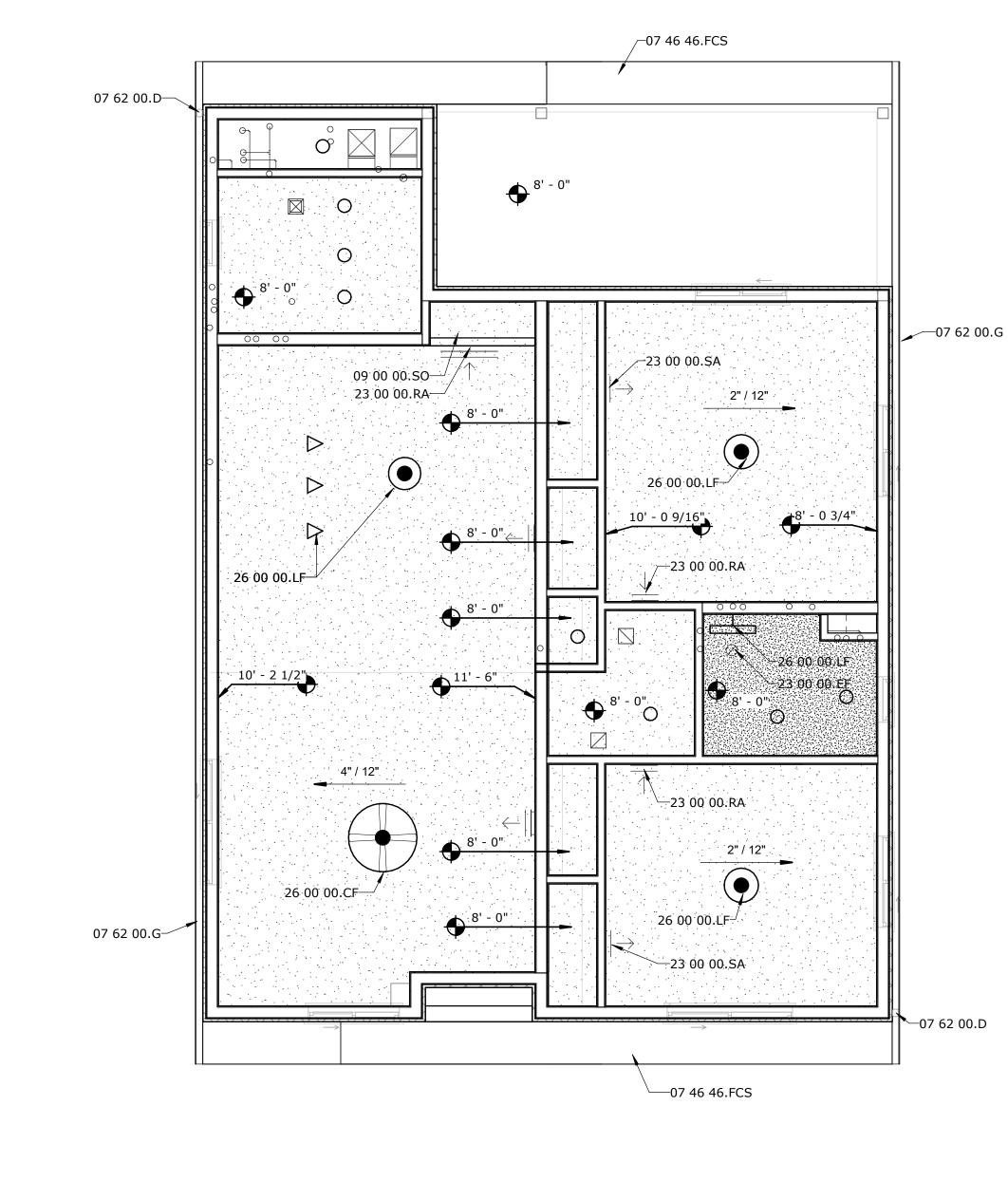




	2		/
PLAN	GENERAL NOTES: RCP	KEYNOT	E LEGEND
		06 10 00.JF	JOIST FRAMING - REFER TO STRUCTUR
S FOR ALL ROOF PAINT ALL EXPOSED	1. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING SHEETS FOR ADDITIONAL CEILING MOUNTED EQUIPMENT.	06 10 00.RS 06 10 00.SW	ROOF SHEATHING - REFER TO STRUCT VERIFY ROUGH OPENING WITH LOCATI REFER TO STRUCTURAL
		06 10 00.TP	TIMBER POST - REFER TO STRUCTURAL
CT IS TO REPRESENT		07 21 26.LF	LOOSE FILL INSULATION
TRIMS, ETC. REQUIRED		07 31 13.UL1	UNDERLAYMENT, ONE (1) LAYER
FICULAR APPROVED		07 42 15.MF	METAL FASCIA PANEL, MATCH ROOF PA
TS TO ACHIEVE THE		07 46 46.FCS	FIBER CEMENT SOFFIT PANELS
TO BID. THE		07 61 00.SM	SHEET METAL ROOFING
HE BID AMOUNT. NO		07 62 00.D	DOWNSPOUT
S PRIOR APPROVAL IN THE BID.		07 62 00.G	GUTTER
IN THE DID.		09 00 00.SO	CEILING SOFFIT FOR MECHANICAL DU
OF ALL ROOF MOUNTED		10 28 00.MI	MIRROR W/ INTEGRAL MEDICINE CABI
S AS REQUIRED TO		11 31 00.DV	DRYER VENT THROUGH WALL - COORD
SHALL BE 1/4" GREATER		12 00 00.F	FURNITURE, NIC
AGE (E.G.: 1/4" PER		12 35 30.CB	ROUND CORNER AT COUNTERTOP EDG
AT NEW		12 35 30.CB	CLOSET ROD AND SHELF
SCALE. REFER TO THE	RCP LEGEND	12 35 30.RC	RESIDENTIAL CASEWORK
		22 00 00.FD2	FLOOR DRAIN - REFER TO PLUMBING
E RESPONSIBILTY OF		22 00 00.G3	WALL-MOUNTED GAS LINE - REFER TO
RT OF THE	GYPSUM	22 00 00.VTR	VENT-THRU-ROOF - REFER TO PLUMBI
	BOARD	22 00 00.WHR	WATER HEATER - REFER TO MECHANIC
	WATER	23 00 00.AC	AIR CONDITIONING UNIT - REFER TO N
	RESISTANT	23 00 00.EF	EXHAUST FAN - REFER TO MECHANICA
OFING IONS 18" MINIMUM		23 00 00.E	FURNACE - REFER TO MECHANICAL
ITATE ROOF FLASHING		23 00 00.MP	MECHANICAL EXHAUST PENETRATION
		23 00 00.RA	RETURN AIR - REFER TO MECHANICAL
		23 00 00.SA	SUPPLY AIR - REFER TO MECHANICAL
	□	26 00 00.CF	CEILING FAN - REFER TO ELECTRICAL
	SHEETS.	26 00 00.LF	LIGHT FIXTURE - REFER TO ELECTRICA
		20 00 00.LF	LIGHT FIXTORE - REFER TO ELECTRICA
	SUSPENDED LIGHT FIXTURE - REF ELECTRICAL SHEETS.		
	$\Box$		
	CEILING FAN W/ LIGHT - REF ELECTRICAL SHEETS.		
	TRACK MOUNTED DIRECTIONAL LIGHT - REF ELECTRICAL SHEETS.		
	HVAC SUPPLY AIR GRILLE - REF MECHANICAL SHEETS.		

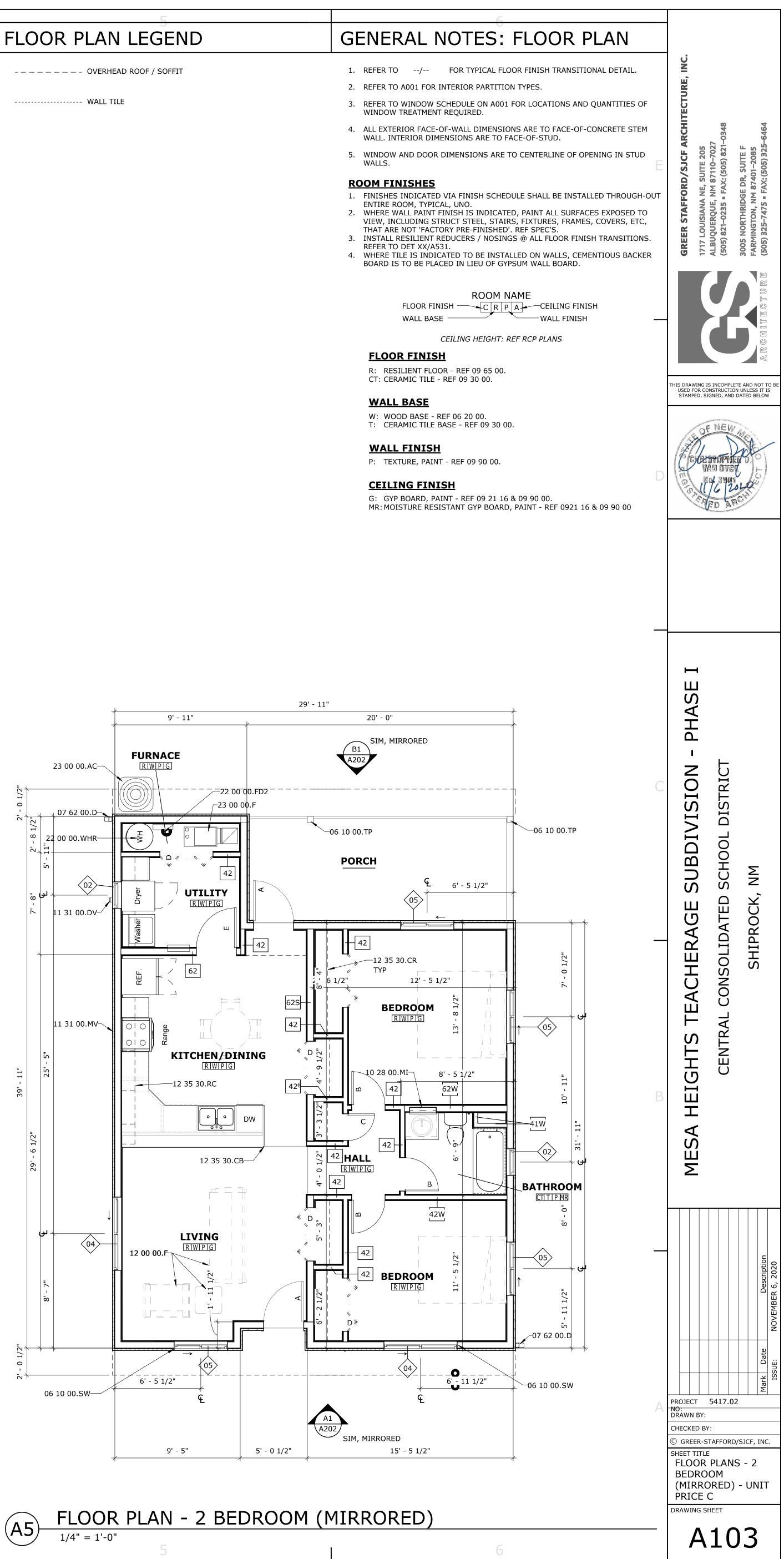
HVAC RETURN AIR GRILLE - REF MECHANICAL

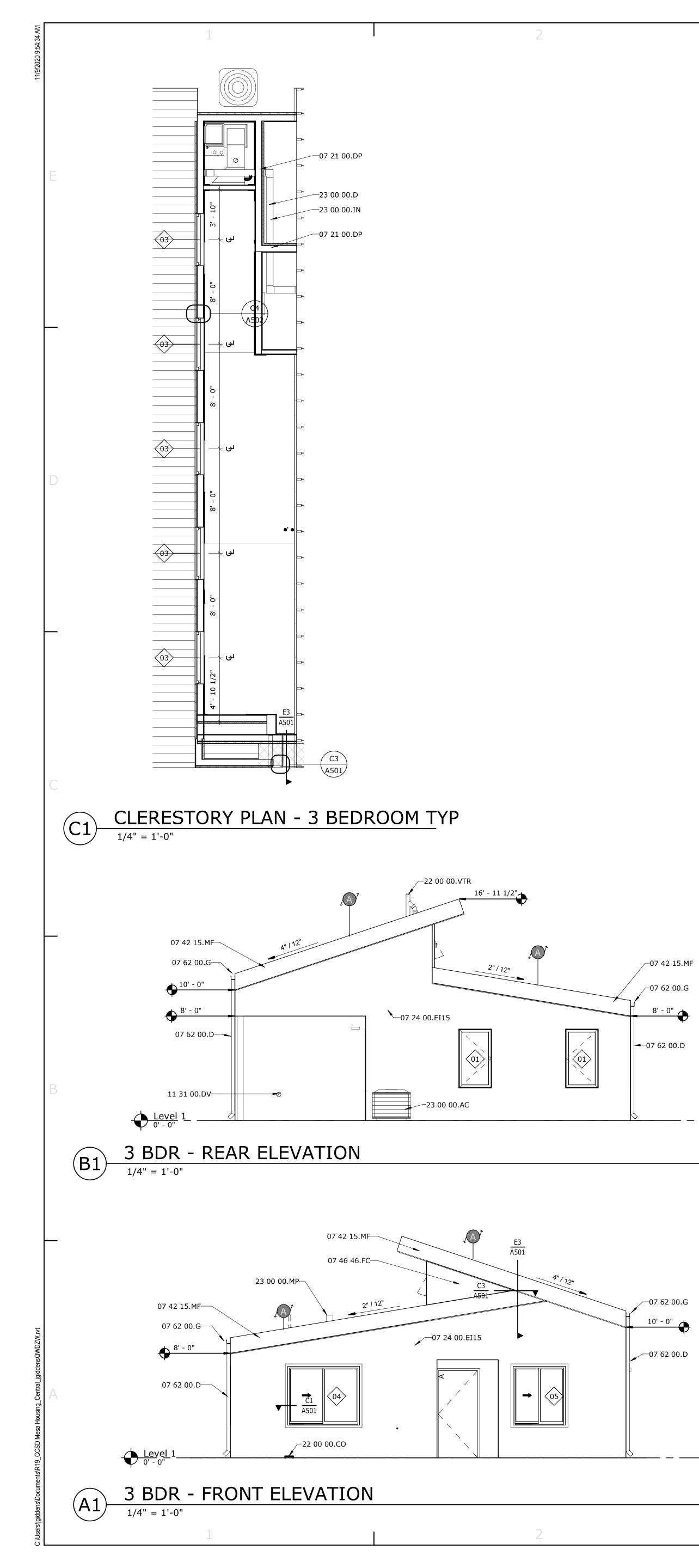
SHEETS.



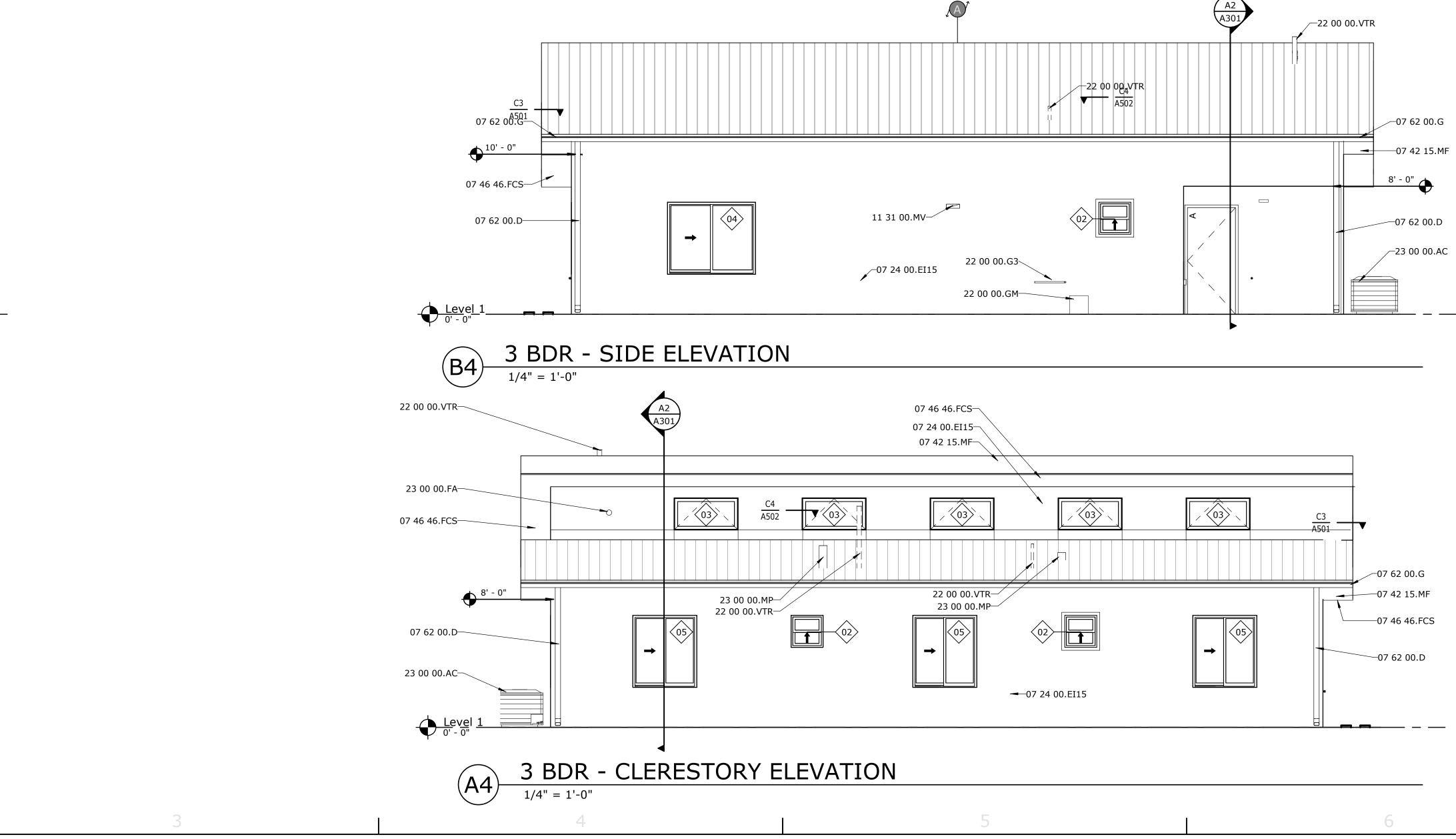
### REFLECTED CEILNG PLAN - 2 BEDROOM (MIRRORED) 1/4" = 1'-0"

		6
	FLOOR PLAN LEGEND	GENERAL NOTES: FLO
CTURAL		
UCTURAL	OVERHEAD ROOF / SOFFIT	1. REFER TO/ FOR TYPICAL FLOOR FINIS
CATION OF SHEAR WALL -		
JRAL		2. REFER TO A001 FOR INTERIOR PARTITION TYPES.
JKAL	WALL TILE	<ol> <li>REFER TO WINDOW SCHEDULE ON A001 FOR LOCA WINDOW TREATMENT REQUIRED.</li> </ol>
OF PANELS		4. ALL EXTERIOR FACE-OF-WALL DIMENSIONS ARE TO WALL. INTERIOR DIMENSIONS ARE TO FACE-OF-ST
		5. WINDOW AND DOOR DIMENSIONS ARE TO CENTER WALLS.
DUCTWORK		
CABINET		ROOM FINISHES
ORDINATE WITH MECHANICAL		1. FINISHES INDICATED VIA FINISH SCHEDULE SHAL
EDGE - 2" RADIUS		ENTIRE ROOM, TYPICAL, UNO. 2. WHERE WALL PAINT FINISH IS INDICATED, PAINT VIEW, INCLUDING STRUCT STEEL, STAIRS, FIXTUR THAT ARE NOT 'FACTORY PRE-FINISHED'. REF SPEC 3. INSTALL RESILIENT REDUCERS / NOSINGS @ ALL F
NG		REFER TO DET XX/A531.
		4. WHERE TILE IS INDICATED TO BE INSTALLED ON V
MBING ANICAL		BOARD IS TO BE PLACED IN LIEU OF GYPSUM WAL
TO MECHANICAL		
VICAL		
		ROOM NAME
ION - REFER TO MECHANICAL		
CAL		WALL BASE W
CAL		
CAL		CEILING HEIGHT: REF RCP PL
RICAL		FLOOR FINISH
		R: RESILIENT FLOOR - REF 09 65 00.
		CT: CERAMIC TILE - REF 09 30 00.



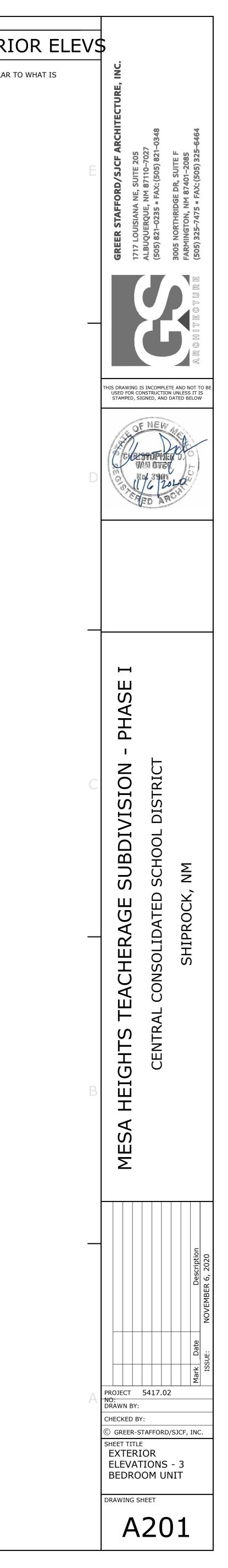


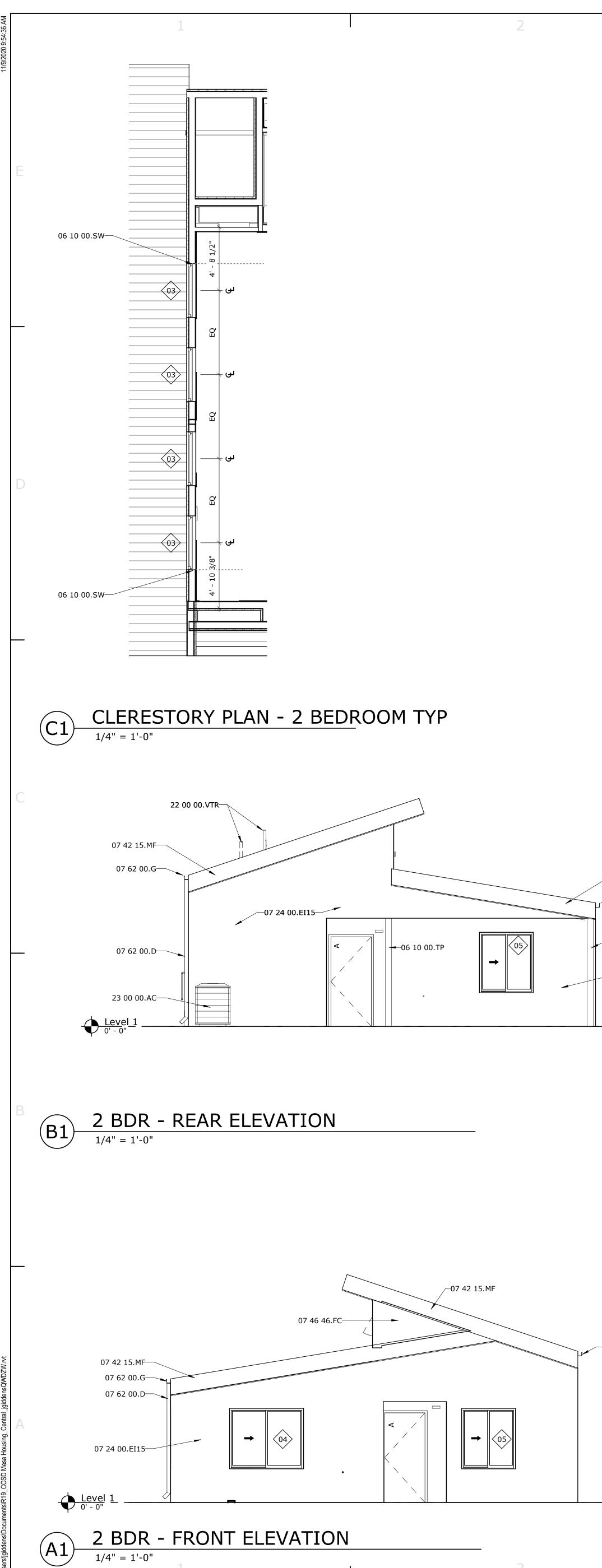
KEYNOTE LEGEND		
07 21 00.DP	INSULATE DUCT AND VENT PENETRATIONS THROUGH WALLS	
07 24 00.EI15	EXTERIOR INSULATION AND FINISH SYSTEM, 1-1/2"	
07 42 15.MF	METAL FASCIA PANEL, MATCH ROOF PANELS	
07 46 46.FC	FIBER CEMENT PANELS	
07 46 46.FCS	FIBER CEMENT SOFFIT PANELS	
07 62 00.D	DOWNSPOUT	
07 62 00.G	GUTTER	
11 31 00.DV	DRYER VENT THROUGH WALL - COORDINATE WITH MECHANICAL	
11 31 00.MV	MICROWAVE VENT THROUGH WALL - COORDINATE WITH MECHANICAL	
22 00 00.CO	PLUMBING CLEANOUT - REFER TO PLUMBING AND CIVIL	
22 00 00.G3	WALL-MOUNTED GAS LINE - REFER TO PLUMBING	
22 00 00.GM	GAS METER - REFER TO PLUMBING AND CIVIL	
22 00 00.VTR	VENT-THRU-ROOF - REFER TO PLUMBING	
23 00 00.AC	AIR CONDITIONING UNIT - REFER TO MECHANICAL	
23 00 00.D	HVAC DUCTS - REFER TO MECHANICAL	
23 00 00.FA	FRESH AIR INTAKE - REFER TO MECHANICAL	
23 00 00.IN	INSULATE DUCT IN SOFFIT SPACE - REFER TO MECHANICAL	
23 00 00.MP	MECHANICAL EXHAUST PENETRATION - REFER TO MECHANICAL	



# GENERAL NOTES: EXTERIOR ELEV\$

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





KEYNOTE LEGEND		
06 10 00.SW	VERIFY ROUGH OPENING WITH LOCATION OF SHEAR WALL - REFER TO STRUCTURAL	
06 10 00.TP	TIMBER POST - REFER TO STRUCTURAL	
07 24 00.EI15	EXTERIOR INSULATION AND FINISH SYSTEM, 1-1/2"	
07 24 00.EI25	EXTERIOR INSULATION AND FINISH SYSTEM, 2-1/2"	
07 42 15.MF	METAL FASCIA PANEL, MATCH ROOF PANELS	
07 46 46.FC	FIBER CEMENT PANELS	
07 46 46.FCS	FIBER CEMENT SOFFIT PANELS	
07 62 00.D	DOWNSPOUT	
07 62 00.G	GUTTER	
11 31 00.DV	DRYER VENT THROUGH WALL - COORDINATE WITH MECHANICAL	
11 31 00.MV	MICROWAVE VENT THROUGH WALL - COORDINATE WITH MECHANICAL	
22 00 00.G3	WALL-MOUNTED GAS LINE - REFER TO PLUMBING	
22 00 00.GM	GAS METER - REFER TO PLUMBING AND CIVIL	
22 00 00.VTR	VENT-THRU-ROOF - REFER TO PLUMBING	
23 00 00.AC	AIR CONDITIONING UNIT - REFER TO MECHANICAL	
23 00 00.FA	FRESH AIR INTAKE - REFER TO MECHANICAL	
23 00 00.MP	MECHANICAL EXHAUST PENETRATION - REFER TO MECHANICAL	

\_\_\_\_07 42 15.MF

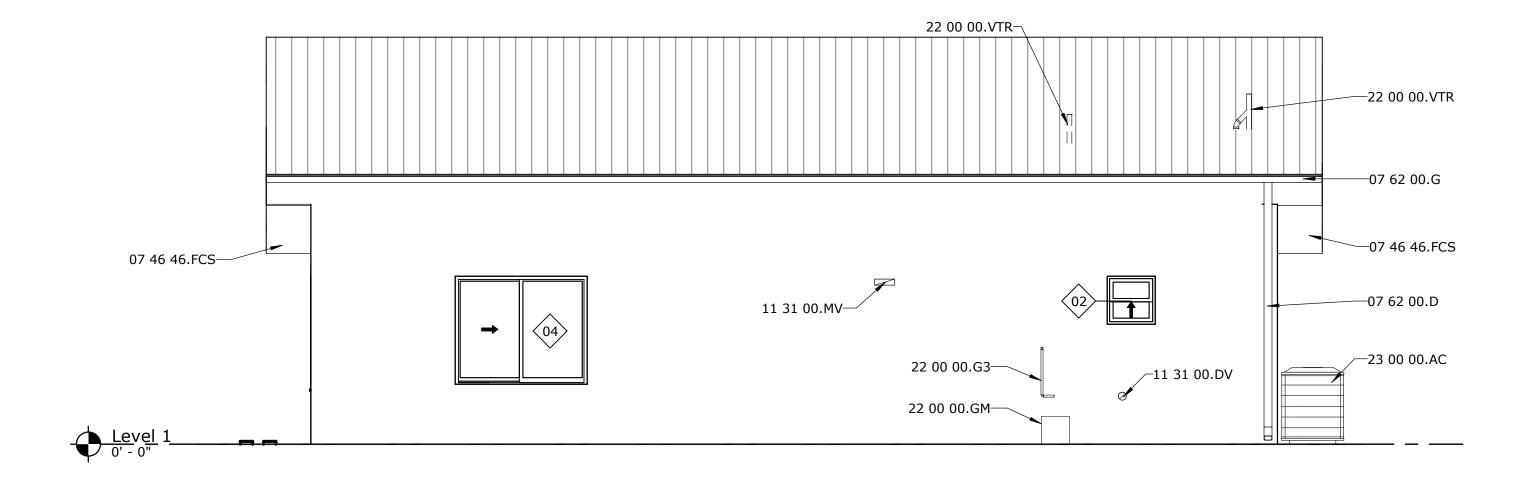
—07 62 00.G

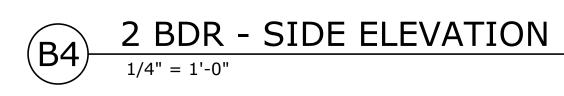
-06 10 00.TP

\_ \_\_\_\_

\_\_\_\_07 62 00.G

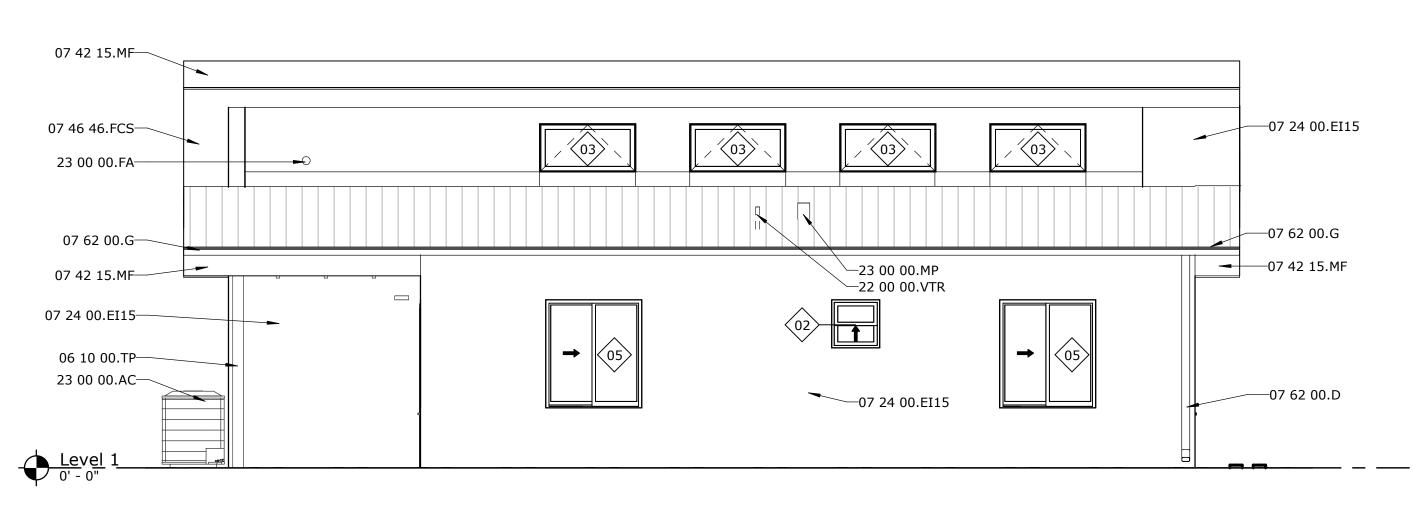
\_\_ \_ \_\_\_





(A4)-

1/4" = 1'-0"

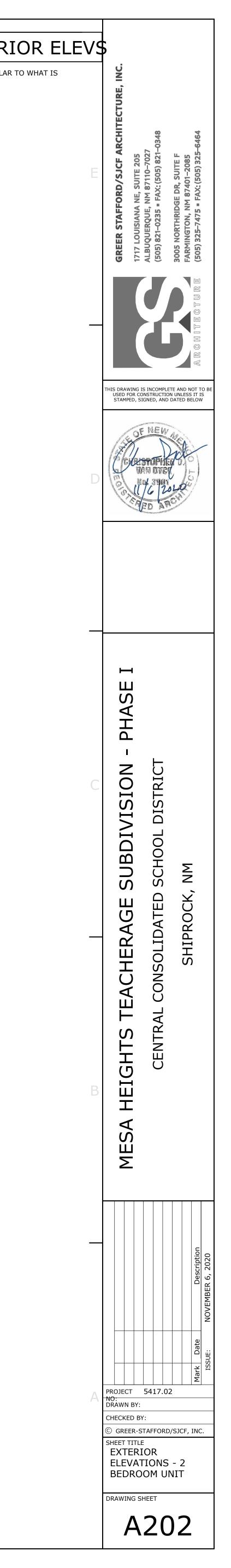


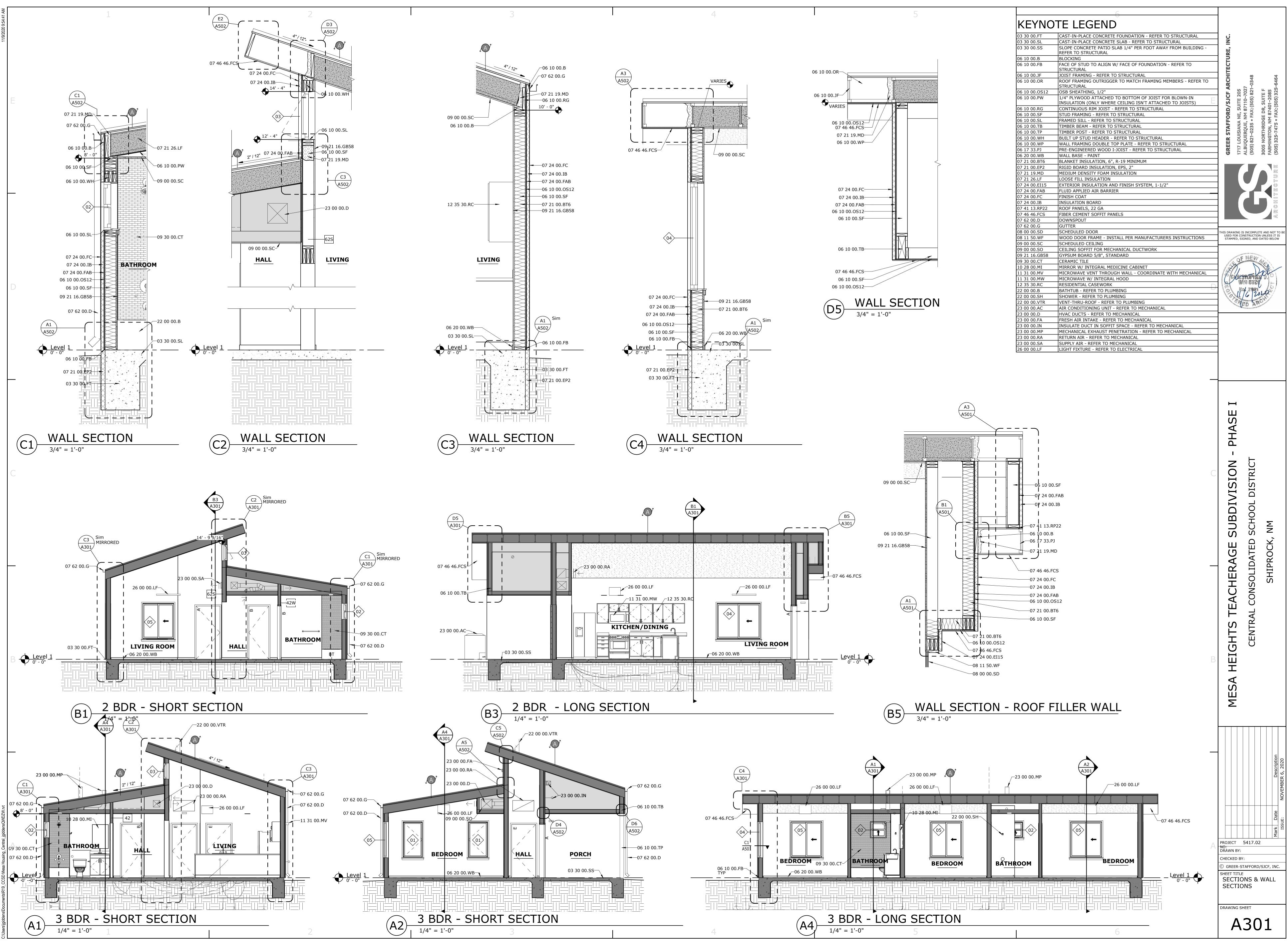
# GENERAL NOTES: EXTERIOR ELEV\$

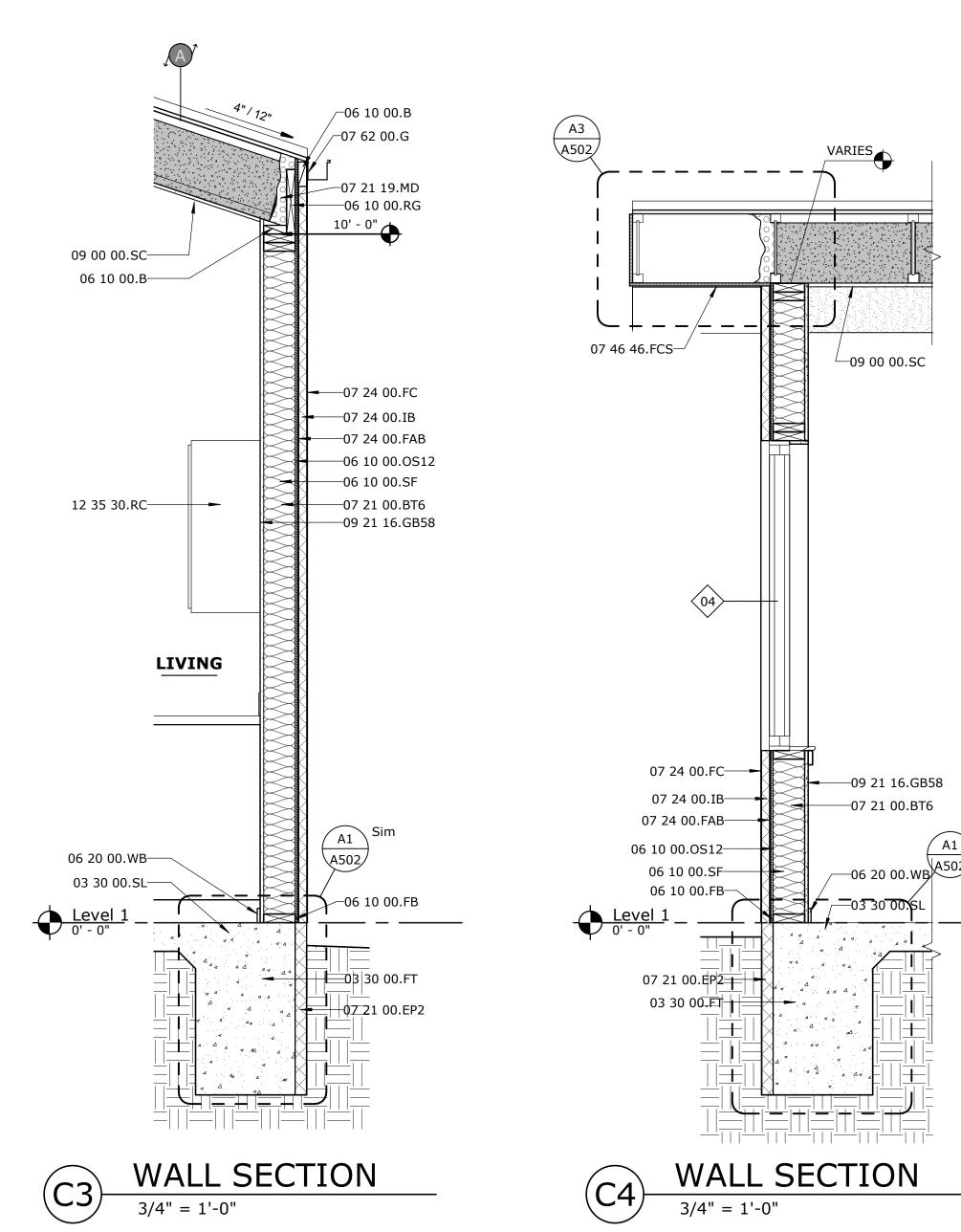
1. EXTERIOR ELEVATIONS FOR MIRRORED UNITS ARE SIMILAR TO WHAT IS SHOWN, BUT MIRRORED.

# 2 BDR - CLERESTORY ELEVATION

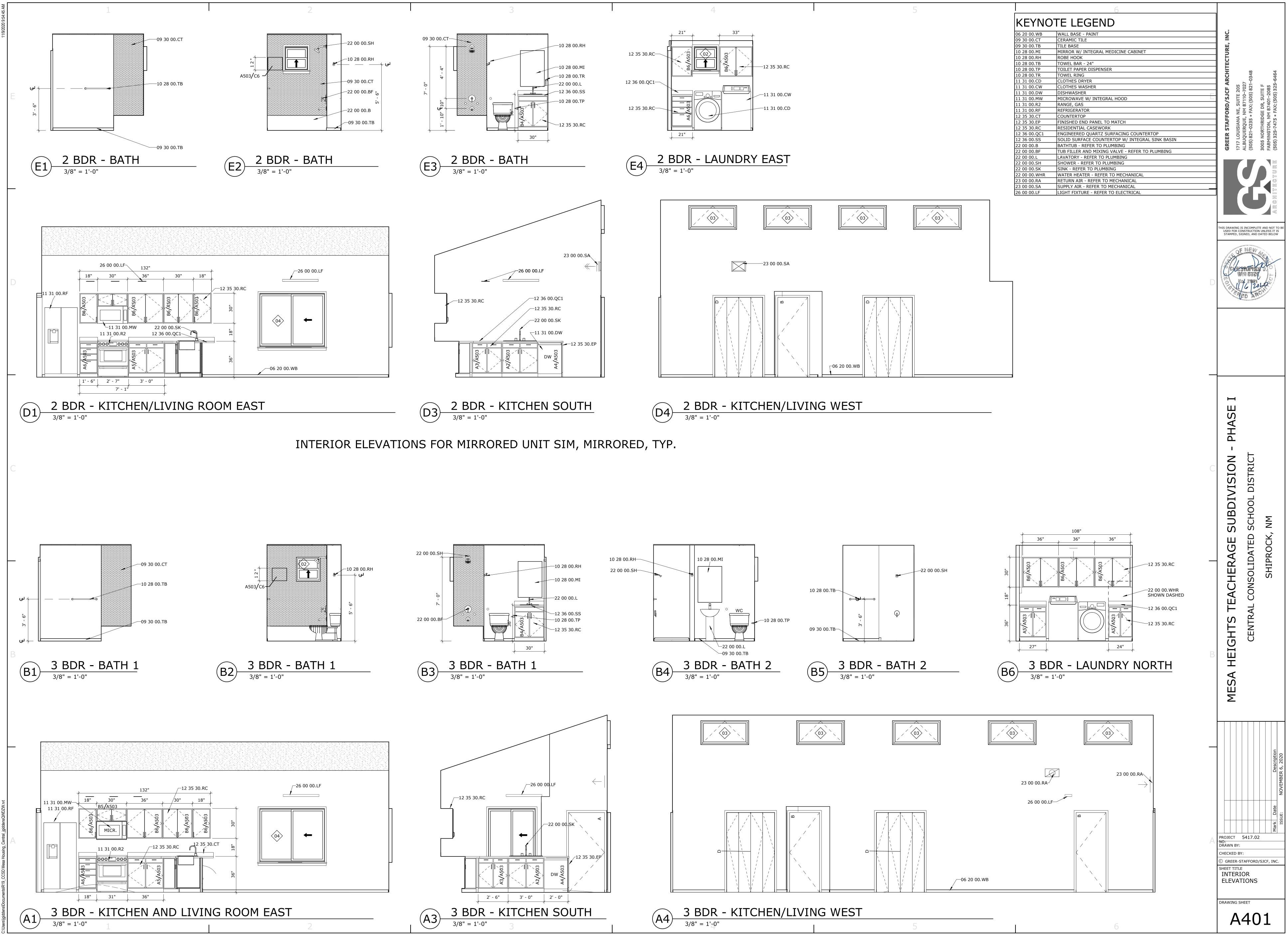
		5	



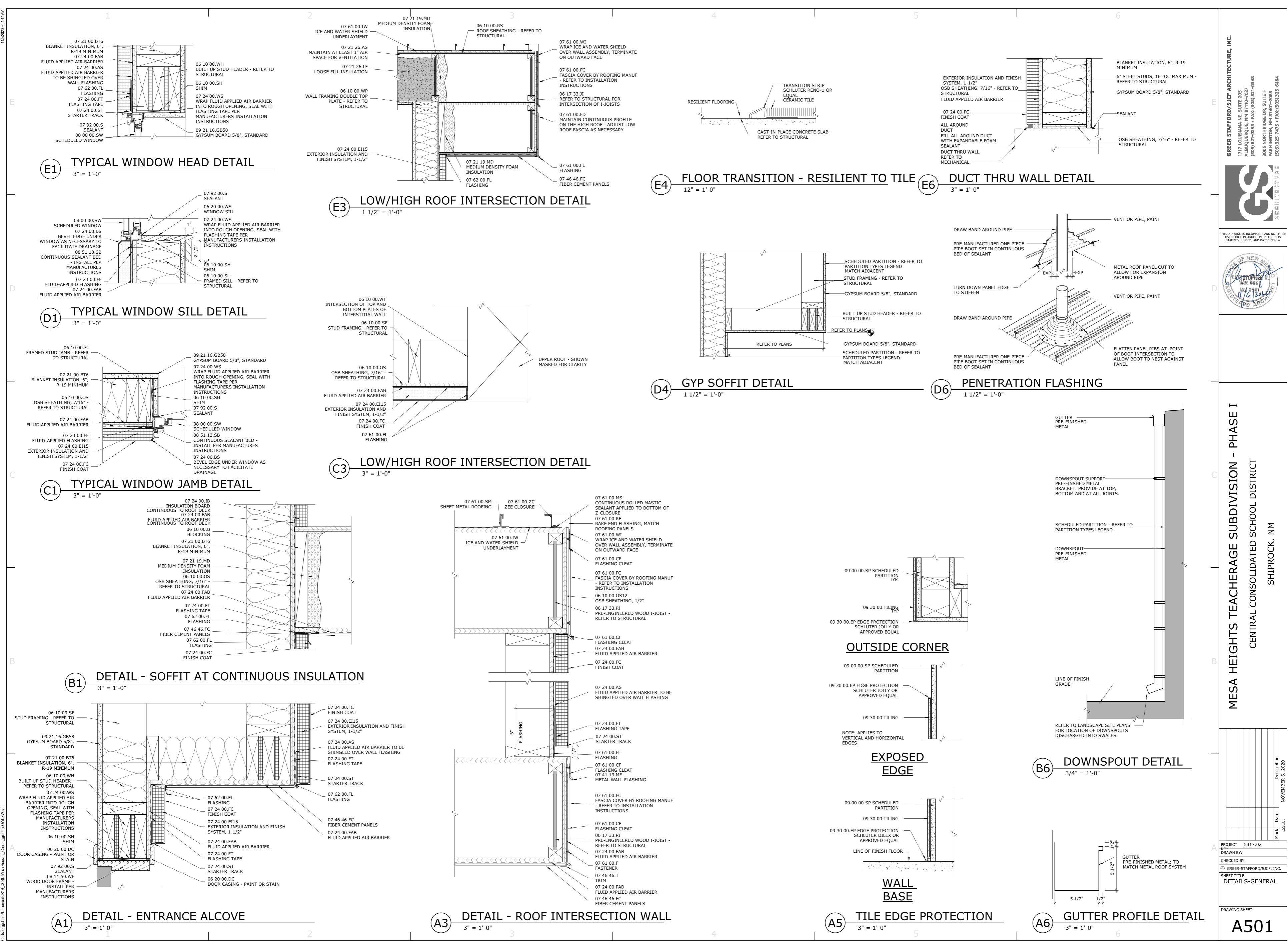


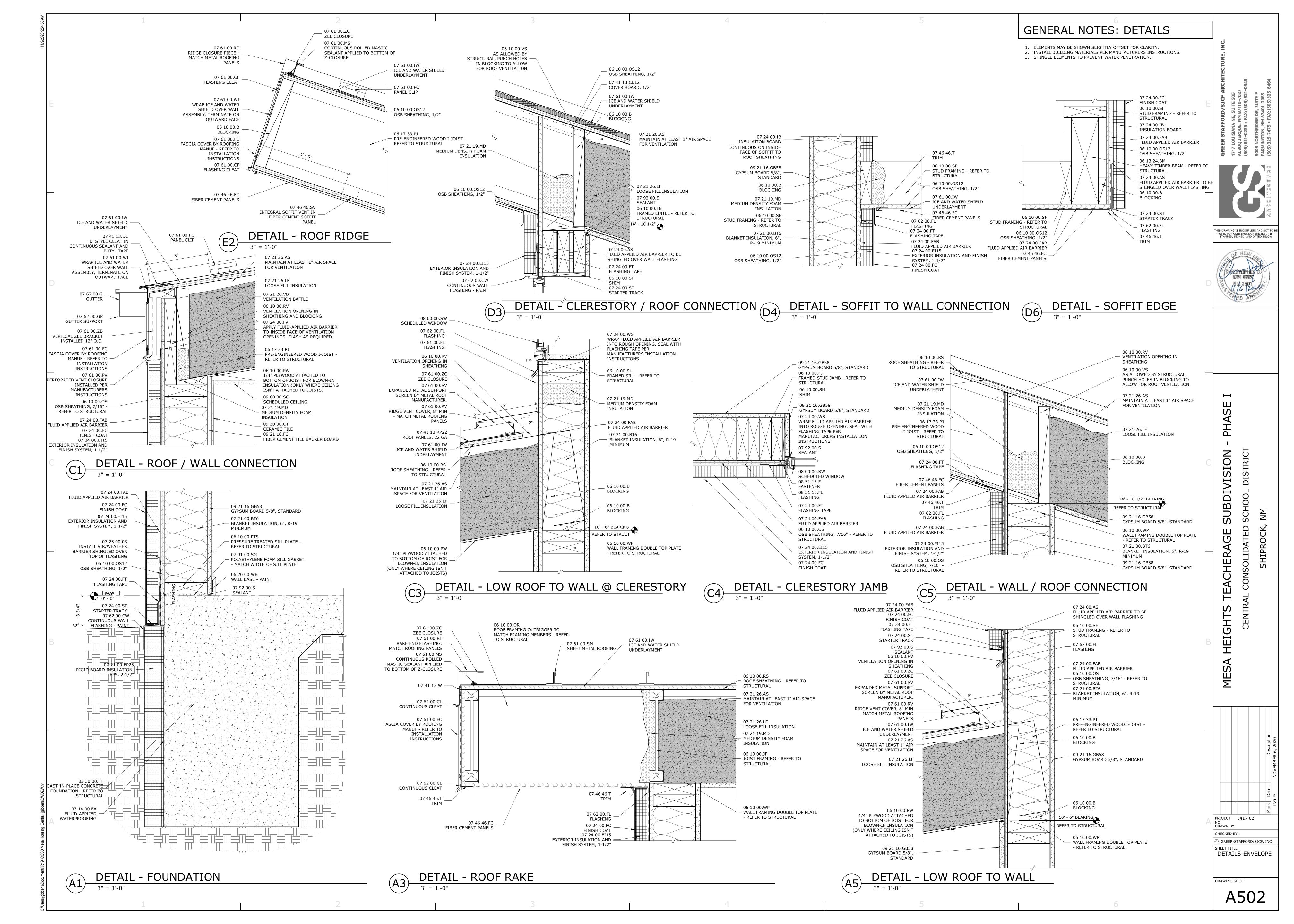


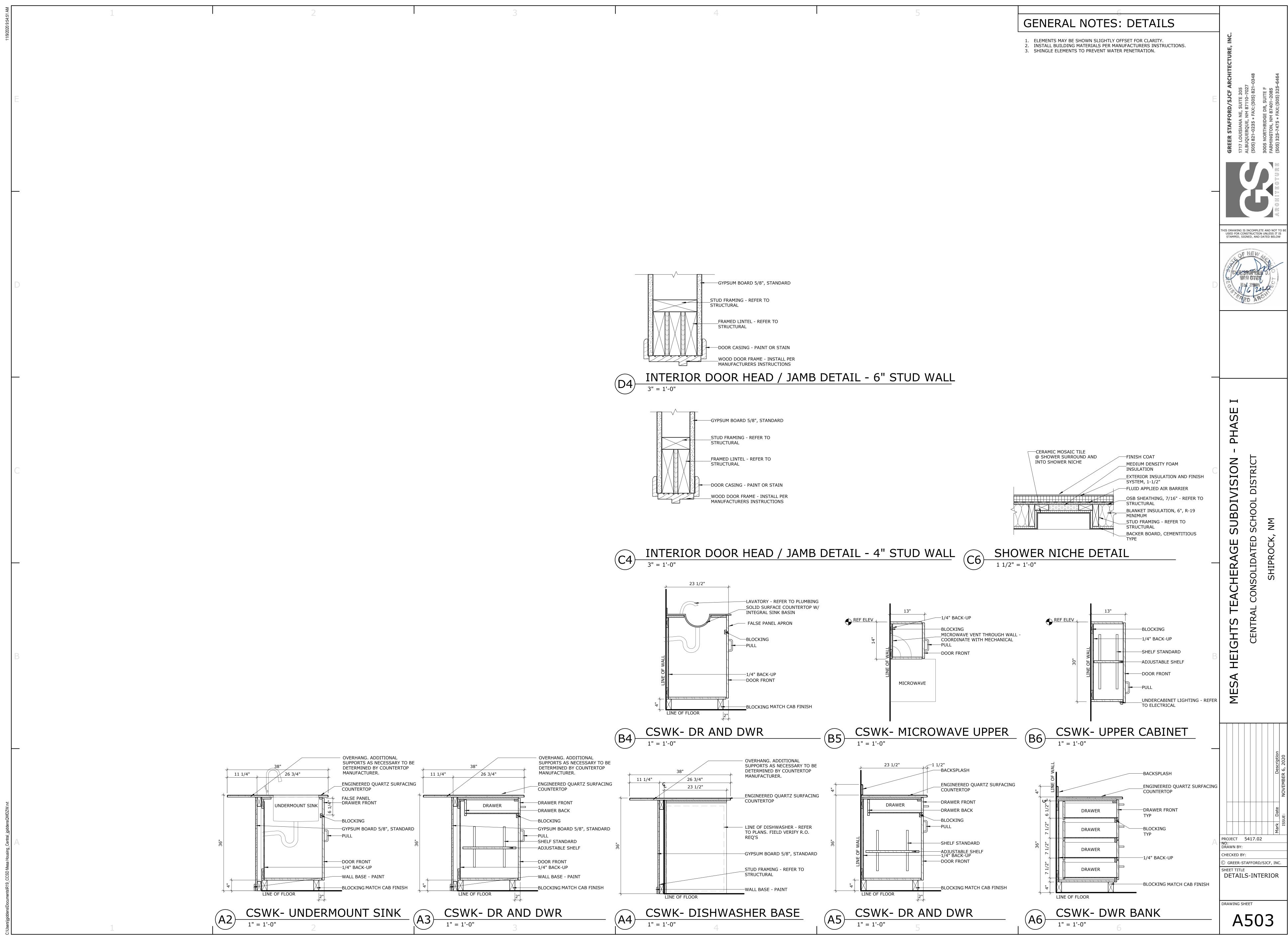
5		6
	KEYNO	TE LEGEND
	03 30 00.FT	CAST-IN-PLACE CONCRETE FOUNI
	03 30 00.SL	CAST-IN-PLACE CONCRETE SLAB
	03 30 00.SS	SLOPE CONCRETE PATIO SLAB 1/4 REFER TO STRUCTURAL
	06 10 00.B	BLOCKING
	06 10 00.FB	FACE OF STUD TO ALIGN W/ FACE STRUCTURAL
	06 10 00.JF	JOIST FRAMING - REFER TO STRU
	06 10 00.OR	ROOF FRAMING OUTRIGGER TO M STRUCTURAL
	06 10 00.0S12	OSB SHEATHING, 1/2"
	06 10 00.PW	1/4" PLYWOOD ATTACHED TO BO INSULATION (ONLY WHERE CEILII
	06 10 00.RG	CONTINUOUS RIM JOIST - REFER
	06 10 00.SF	STUD FRAMING - REFER TO STRU
00.0S12-///	06 10 00.SL	FRAMED SILL - REFER TO STRUCT
6 46.FCS/ / /	06 10 00.TB 06 10 00.TP	TIMBER BEAM - REFER TO STRUCT TIMBER POST - REFER TO STRUCT
21 19.MD——/ / ()	06 10 00.WH	BUILT UP STUD HEADER - REFER
10 00.WP—	06 10 00.WP	WALL FRAMING DOUBLE TOP PLAT
	06 17 33.PJ	PRE-ENGINEERED WOOD I-JOIST
	06 20 00.WB	WALL BASE - PAINT
	07 21 00.BT6	BLANKET INSULATION, 6", R-19 M
	07 21 00.EP2	RIGID BOARD INSULATION, EPS,
	07 21 19.MD	MEDIUM DENSITY FOAM INSULAT
Č I	07 21 26.LF	LOOSE FILL INSULATION
	07 24 00.EI15	EXTERIOR INSULATION AND FINIS
24 00.FC	07 24 00.FAB	FLUID APPLIED AIR BARRIER
24 00.IB	07 24 00.FC	FINISH COAT
4 00.FAB	07 24 00.IB	INSULATION BOARD
00.OS12	07 41 13.RP22	ROOF PANELS, 22 GA
	07 46 46.FCS	FIBER CEMENT SOFFIT PANELS
10 00.SF	07 62 00.D	DOWNSPOUT
	07 62 00.G	GUTTER
	08 00 00.SD	SCHEDULED DOOR
	08 11 50.WF	WOOD DOOR FRAME - INSTALL PE
	09 00 00.SC	SCHEDULED CEILING
10 00.TB	09 00 00.SO	CEILING SOFFIT FOR MECHANICA
	09 21 16.GB58	GYPSUM BOARD 5/8", STANDARD
	09 30 00.CT	
6 46.FCS	10 28 00.MI	MIRROR W/ INTEGRAL MEDICINE
	11 31 00.MV 11 31 00.MW	MICROWAVE VENT THROUGH WAI MICROWAVE W/ INTEGRAL HOOD
10 00.SF	12 35 30.RC	RESIDENTIAL CASEWORK
00.0S12	22 00 00.B	BATHTUB - REFER TO PLUMBING
	22 00 00.SH	SHOWER - REFER TO PLUMBING
WALL SECTION	22 00 00.VTR	VENT-THRU-ROOF - REFER TO PLU
WALL SECTION	23 00 00.AC	AIR CONDITIONING UNIT - REFER
3/4" = 1'-0"	23 00 00.D	HVAC DUCTS - REFER TO MECHAN
-,	23 00 00.FA	FRESH AIR INTAKE - REFER TO ME
	23 00 00.IN	INSULATE DUCT IN SOFFIT SPACE
	23 00 00.MP	MECHANICAL EXHAUST PENETRAT
	23 00 00.RA	RETURN AIR - REFER TO MECHAN
	23 00 00.SA	SUPPLY AIR - REFER TO MECHANI
	26 00 00.LF	LIGHT FIXTURE - REFER TO ELECT

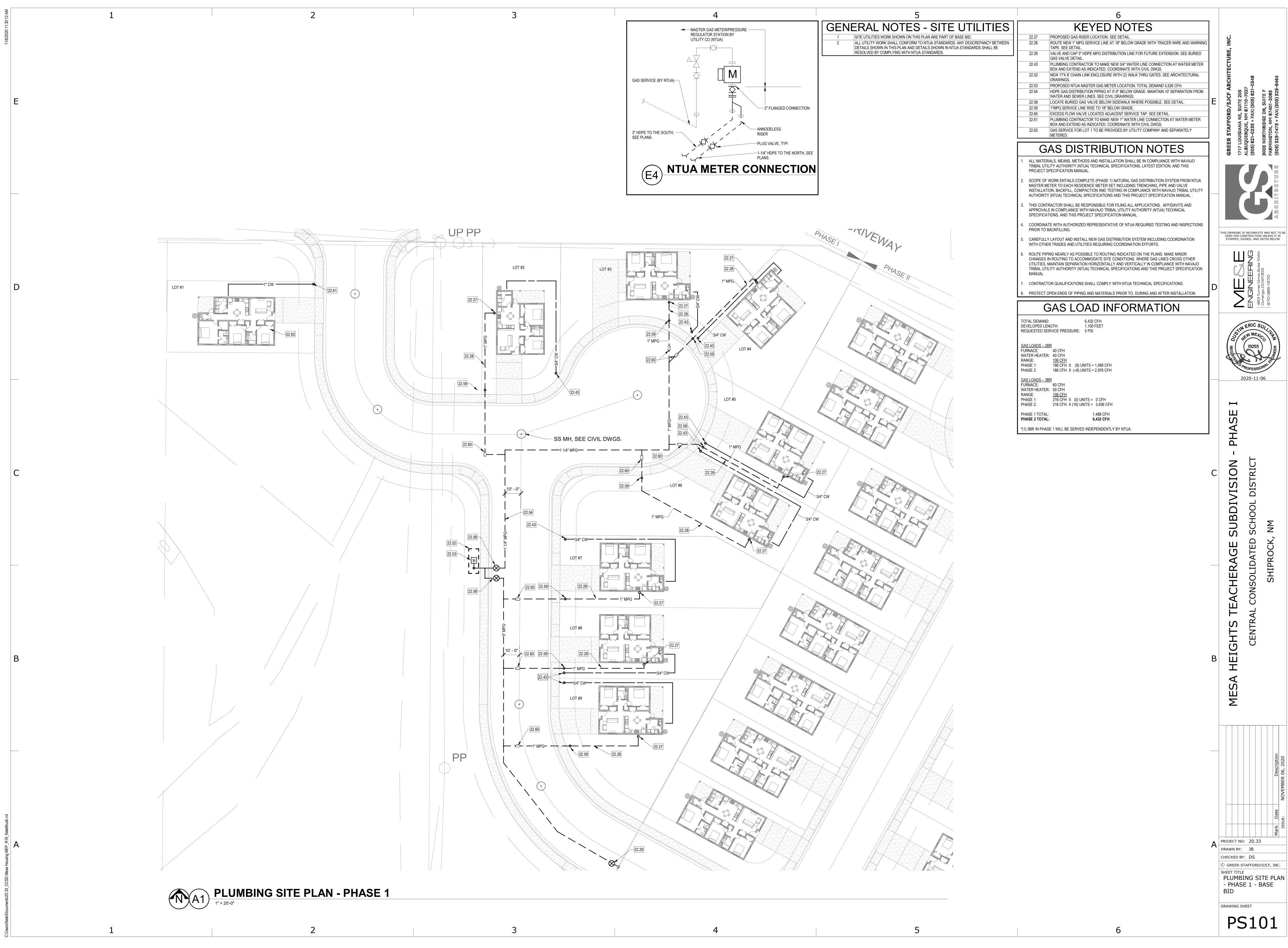


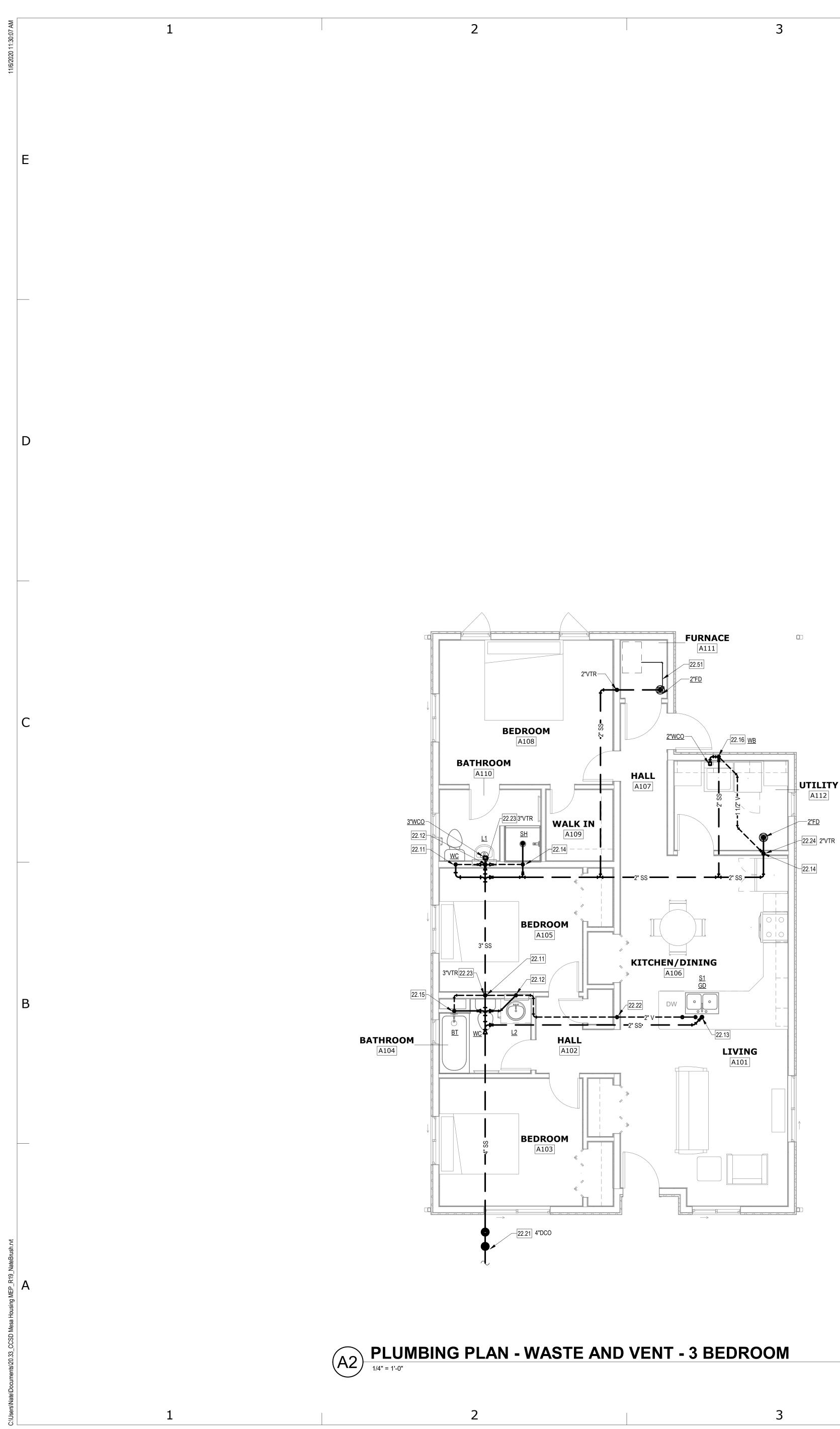
		6			
	KEYNOTE LEGEND				
Ī	06 20 00.WB	WALL BASE - PAINT			
	09 30 00.CT	CERAMIC TILE			
	09 30 00.TB	TILE BASE			
	10 28 00.MI	MIRROR W/ INTEGRAL MEDICINE CABINET			
	10 28 00.RH	ROBE HOOK			
	10 28 00.TB	TOWEL BAR - 24"			
	10 28 00.TP	TOILET PAPER DISPENSER			
	10 28 00.TR	TOWEL RING			
	11 31 00.CD	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 SIN			
	22 00 00.B	BATHTUB - REFER TO PLUMBING			
	22 00 00.BF	TUB FILLER AND MIXING VALVE - REFER TO PLU			
	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			



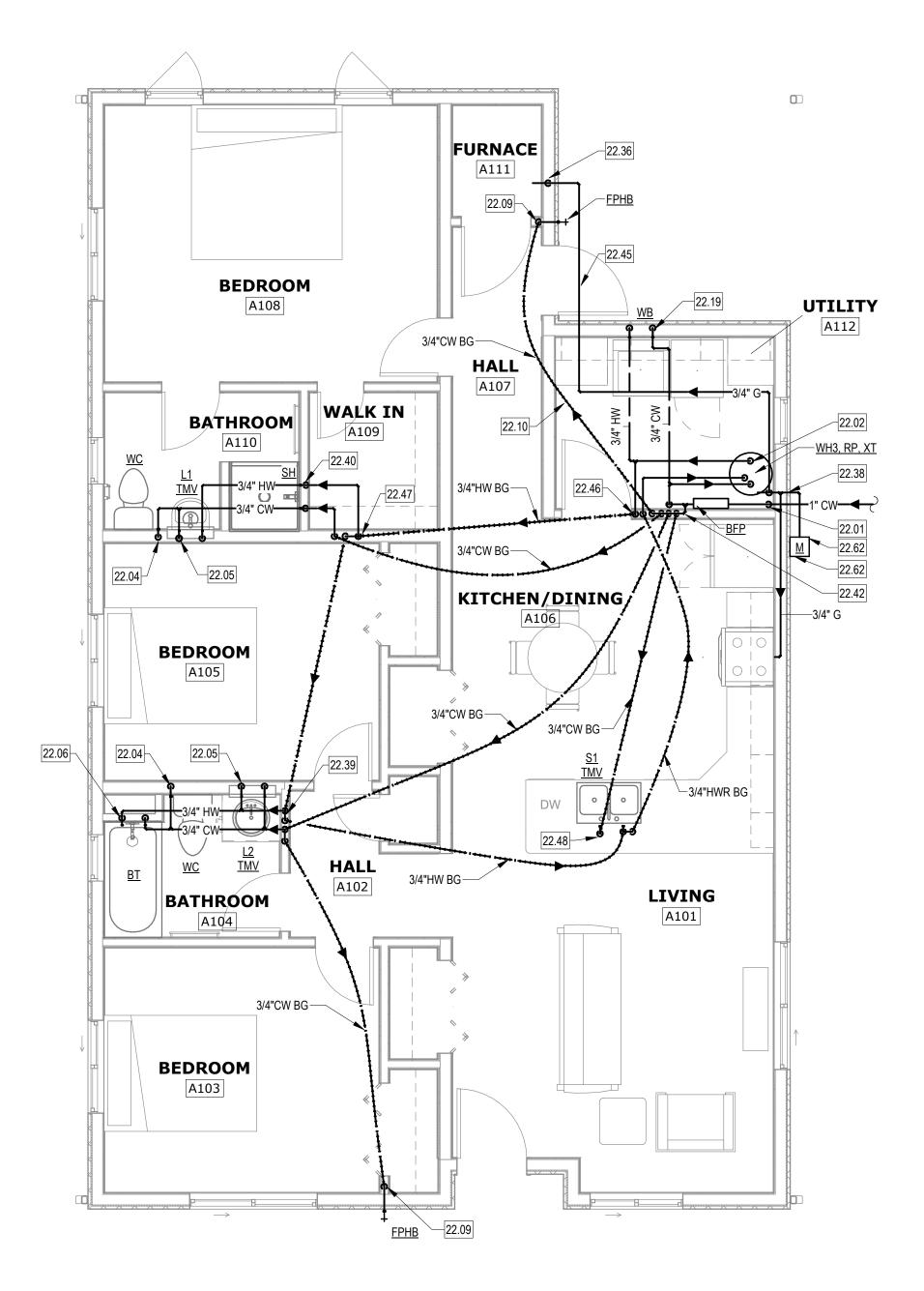






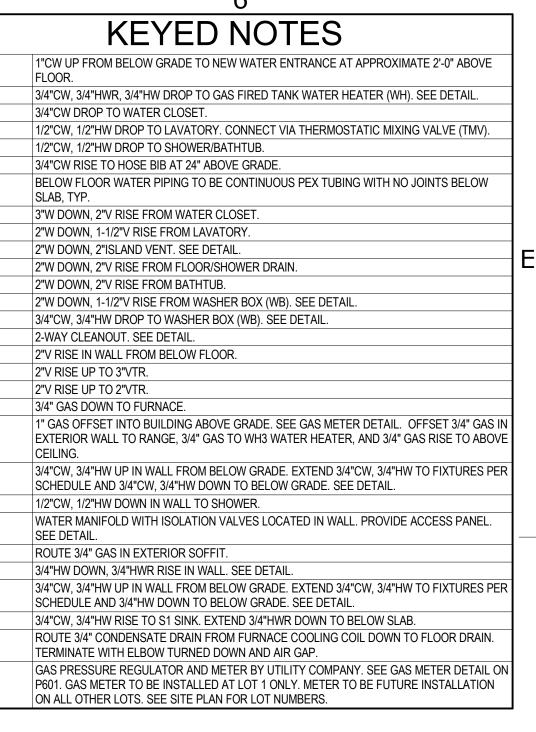


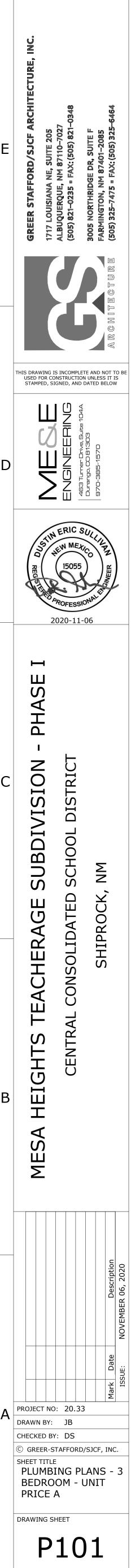


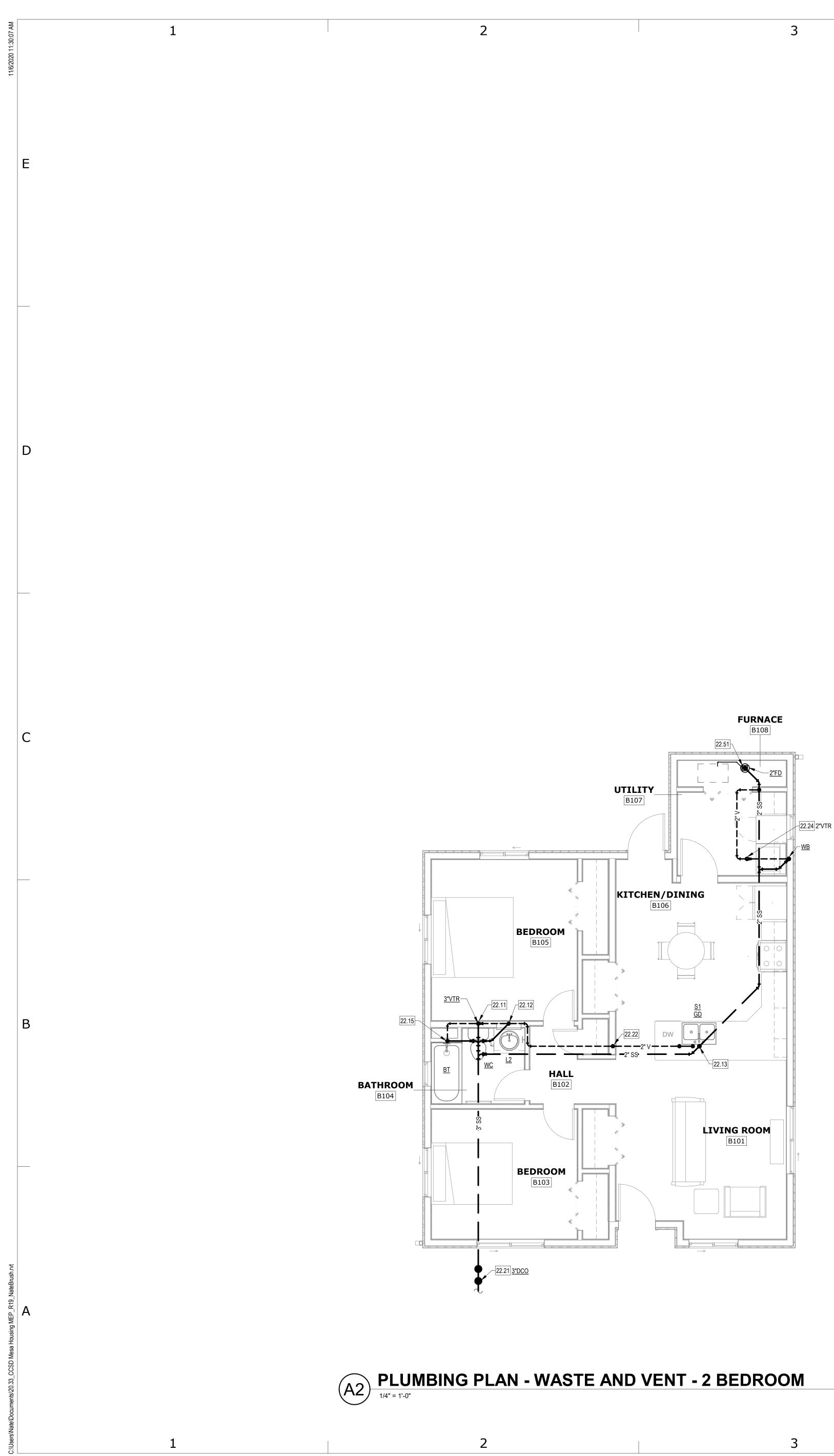


### 5 **GENERAL NOTES - 3 BEDROOM** 1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE A.

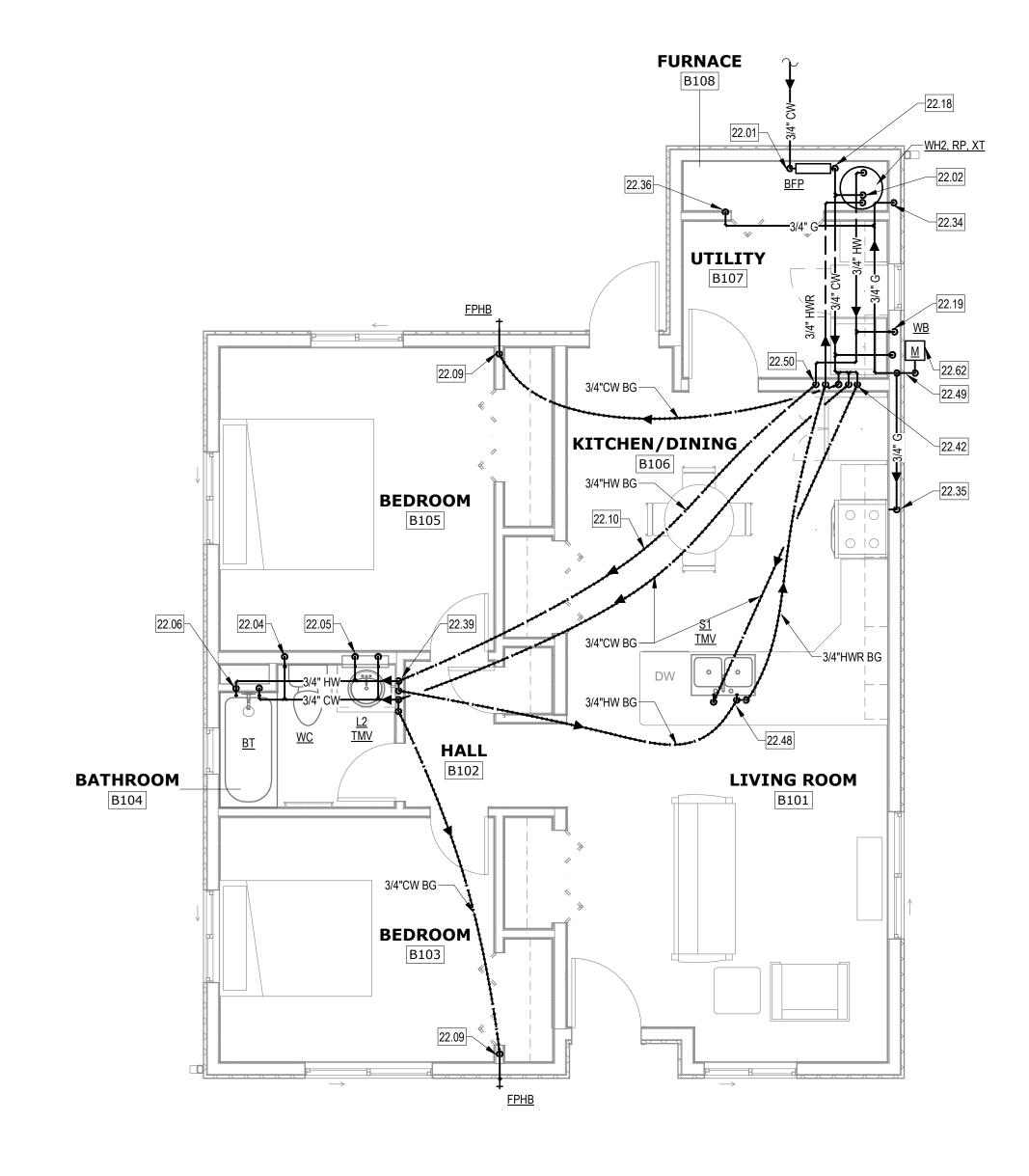
	6
	KEYED NOTES
22.01	1"CW UP FROM BELOW GRADE TO NEW WATER ENTRANCE AT AF FLOOR.
22.02	3/4"CW, 3/4"HWR, 3/4"HW DROP TO GAS FIRED TANK WATER HEAT
22.04	3/4"CW DROP TO WATER CLOSET.
22.05	1/2"CW, 1/2"HW DROP TO LAVATORY. CONNECT VIA THERMOSTAT
22.06	1/2"CW, 1/2"HW DROP TO SHOWER/BATHTUB.
22.09	3/4"CW RISE TO HOSE BIB AT 24" ABOVE GRADE.
22.10	BELOW FLOOR WATER PIPING TO BE CONTINUOUS PEX TUBING V SLAB, TYP.
22.11	3"W DOWN, 2"V RISE FROM WATER CLOSET.
22.12	2"W DOWN, 1-1/2"V RISE FROM LAVATORY.
22.13	2"W DOWN, 2"ISLAND VENT. SEE DETAIL.
22.14	2"W DOWN, 2"V RISE FROM FLOOR/SHOWER DRAIN.
22.15	2"W DOWN, 2"V RISE FROM BATHTUB.
22.16	2"W DOWN, 1-1/2"V RISE FROM WASHER BOX (WB). SEE DETAIL.
22.19	3/4"CW, 3/4"HW DROP TO WASHER BOX (WB). SEE DETAIL.
22.21	2-WAY CLEANOUT. SEE DETAIL.
22.22	2"V RISE IN WALL FROM BELOW FLOOR.
22.23	2"V RISE UP TO 3"VTR.
22.24	2"V RISE UP TO 2"VTR.
22.36	3/4" GAS DOWN TO FURNACE.
22.38	1" GAS OFFSET INTO BUILDING ABOVE GRADE. SEE GAS METER D EXTERIOR WALL TO RANGE, 3/4" GAS TO WH3 WATER HEATER, AN CEILING.
22.39	3/4"CW, 3/4"HW UP IN WALL FROM BELOW GRADE. EXTEND 3/4"CW SCHEDULE AND 3/4"CW, 3/4"HW DOWN TO BELOW GRADE. SEE DE
22.40	1/2"CW, 1/2"HW DOWN IN WALL TO SHOWER.
22.42	WATER MANIFOLD WITH ISOLATION VALVES LOCATED IN WALL. P SEE DETAIL.
22.45	ROUTE 3/4" GAS IN EXTERIOR SOFFIT.
22.46	3/4"HW DOWN, 3/4"HWR RISE IN WALL. SEE DETAIL.
22.47	3/4"CW, 3/4"HW UP IN WALL FROM BELOW GRADE. EXTEND 3/4"CV SCHEDULE AND 3/4"HW DOWN TO BELOW GRADE. SEE DETAIL.
22.48	3/4"CW, 3/4"HW RISE TO S1 SINK. EXTEND 3/4"HWR DOWN TO BEL
22.51	ROUTE 3/4" CONDENSATE DRAIN FROM FURNACE COOLING COIL TERMINATE WITH ELBOW TURNED DOWN AND AIR GAP.
22.62	GAS PRESSURE REGULATOR AND METER BY UTILITY COMPANY. P601 GAS METER TO BE INSTALLED AT LOT 1 ONLY METER TO B





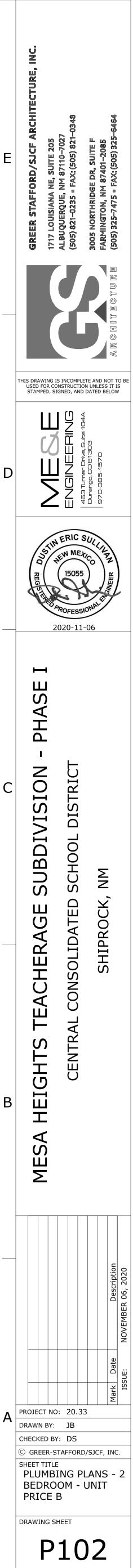




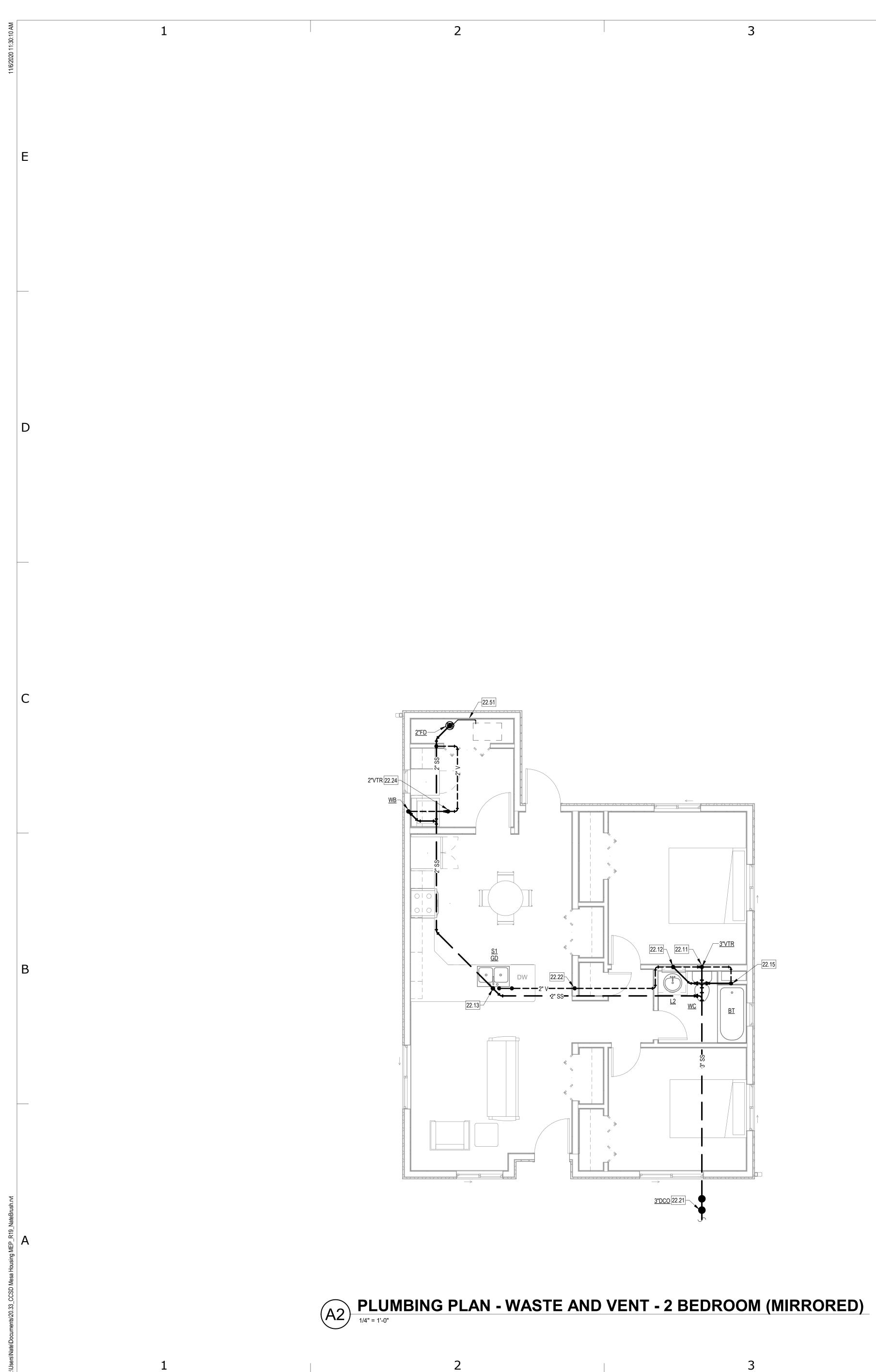


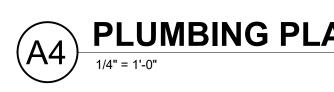
## **GENERAL NOTES - 2 BEDROOM** 1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE B.

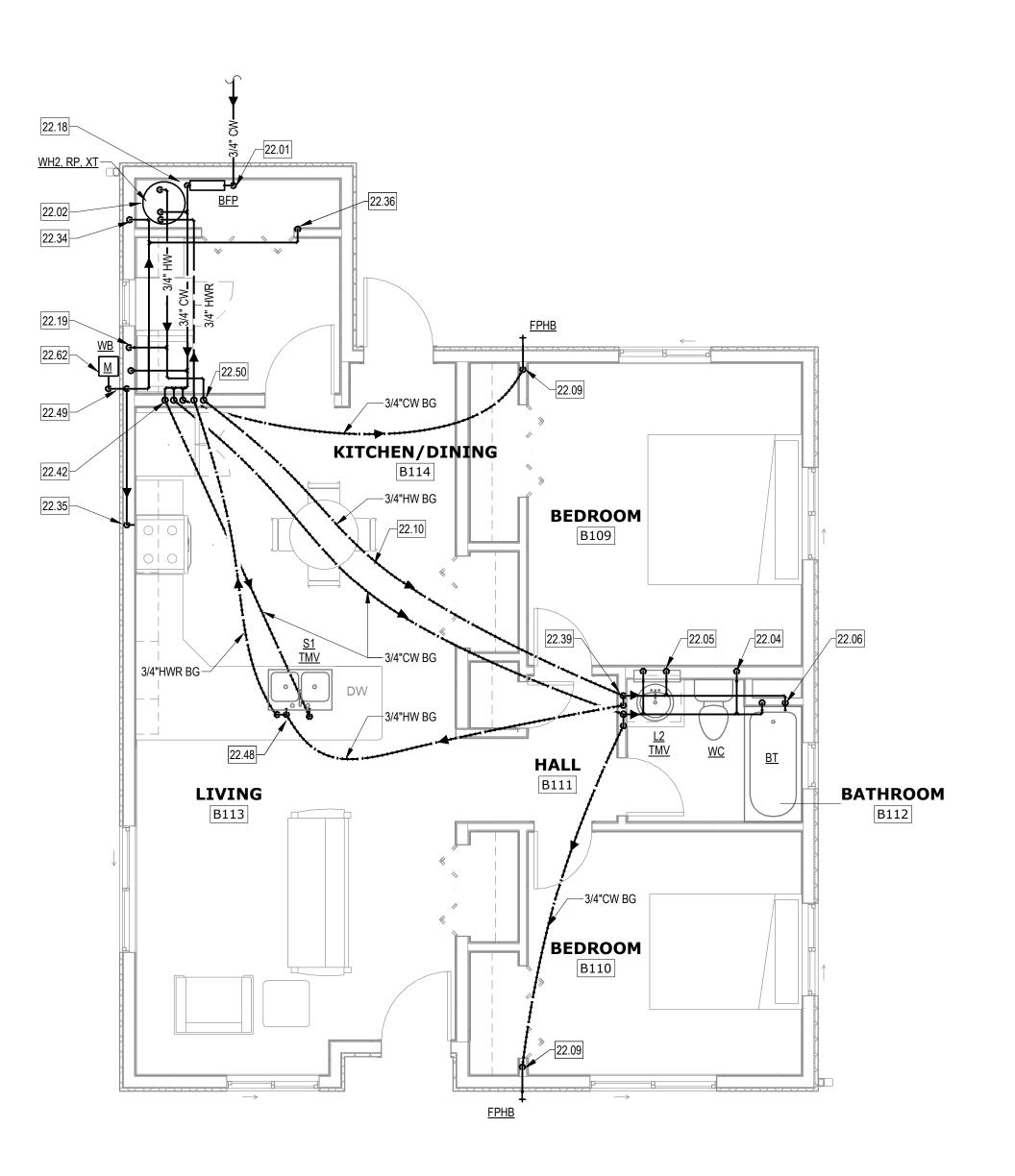
	6
	KEYED NOTES
22.01	1"CW UP FROM BELOW GRADE TO NEW WATER ENTRANCE AT AF FLOOR.
22.02	3/4"CW, 3/4"HWR, 3/4"HW DROP TO GAS FIRED TANK WATER HEAT
22.04	3/4"CW DROP TO WATER CLOSET.
22.05	1/2"CW, 1/2"HW DROP TO LAVATORY. CONNECT VIA THERMOSTAT
22.06	1/2"CW, 1/2"HW DROP TO SHOWER/BATHTUB.
22.09	3/4"CW RISE TO HOSE BIB AT 24" ABOVE GRADE.
22.10	BELOW FLOOR WATER PIPING TO BE CONTINUOUS PEX TUBING V SLAB, TYP.
22.11	3"W DOWN, 2"V RISE FROM WATER CLOSET.
22.12	2"W DOWN, 1-1/2"V RISE FROM LAVATORY.
22.13	2"W DOWN, 2"ISLAND VENT. SEE DETAIL.
22.15	2"W DOWN, 2"V RISE FROM BATHTUB.
22.18	3/4"CW RISE FROM WATER ENTRANCE.
22.19	3/4"CW, 3/4"HW DROP TO WASHER BOX (WB). SEE DETAIL.
22.21	2-WAY CLEANOUT. SEE DETAIL.
22.22	2"V RISE IN WALL FROM BELOW FLOOR.
22.24	2"V 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"HW UP IN WALL FROM BELOW GRADE. EXTEND 3/4"CV SCHEDULE AND 3/4"CW, 3/4"HW DOWN TO BELOW GRADE. SEE DE
22.42	WATER MANIFOLD WITH ISOLATION VALVES LOCATED IN WALL. P SEE DETAIL.
22.48	3/4"CW, 3/4"HW RISE TO S1 SINK. EXTEND 3/4"HWR DOWN TO BEL
22.49	1" GAS INTO BUILDING ABOVE GRADE. OFFSET 3/4" GAS IN EXTER 3/4" GAS RISE TO ABOVE CEILING.
22.50	COORDINATE ALL PLUMBING IN THIS WALL WITH ELECTRICAL PR UNDER-SLAB WORK. ALLOW AT LEAST ONE COMPLETE OPEN STU AND PIPING TO ACCOMMODATE ELECTRICAL PANEL.
22.51	ROUTE 3/4" CONDENSATE DRAIN FROM FURNACE COOLING COIL TERMINATE WITH ELBOW TURNED DOWN AND AIR GAP.
22.62	GAS PRESSURE REGULATOR AND METER BY UTILITY COMPANY. P601. GAS METER TO BE INSTALLED AT LOT 1 ONLY. METER TO B ON ALL OTHER LOTS. SEE SITE PLAN FOR LOT NUMBERS.







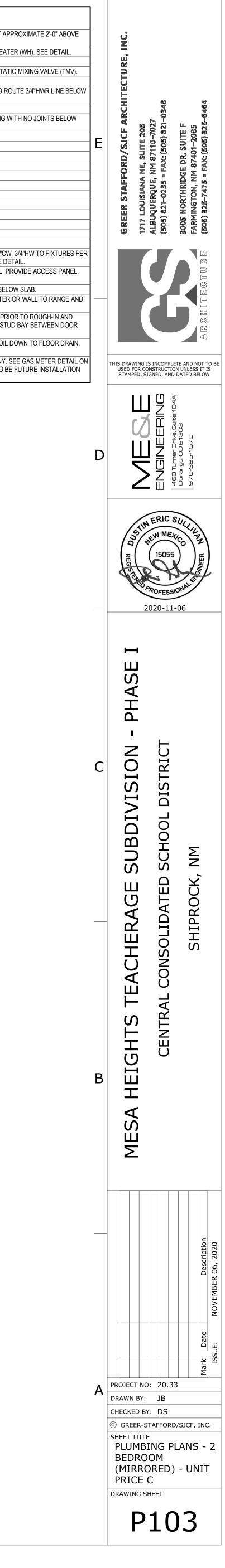


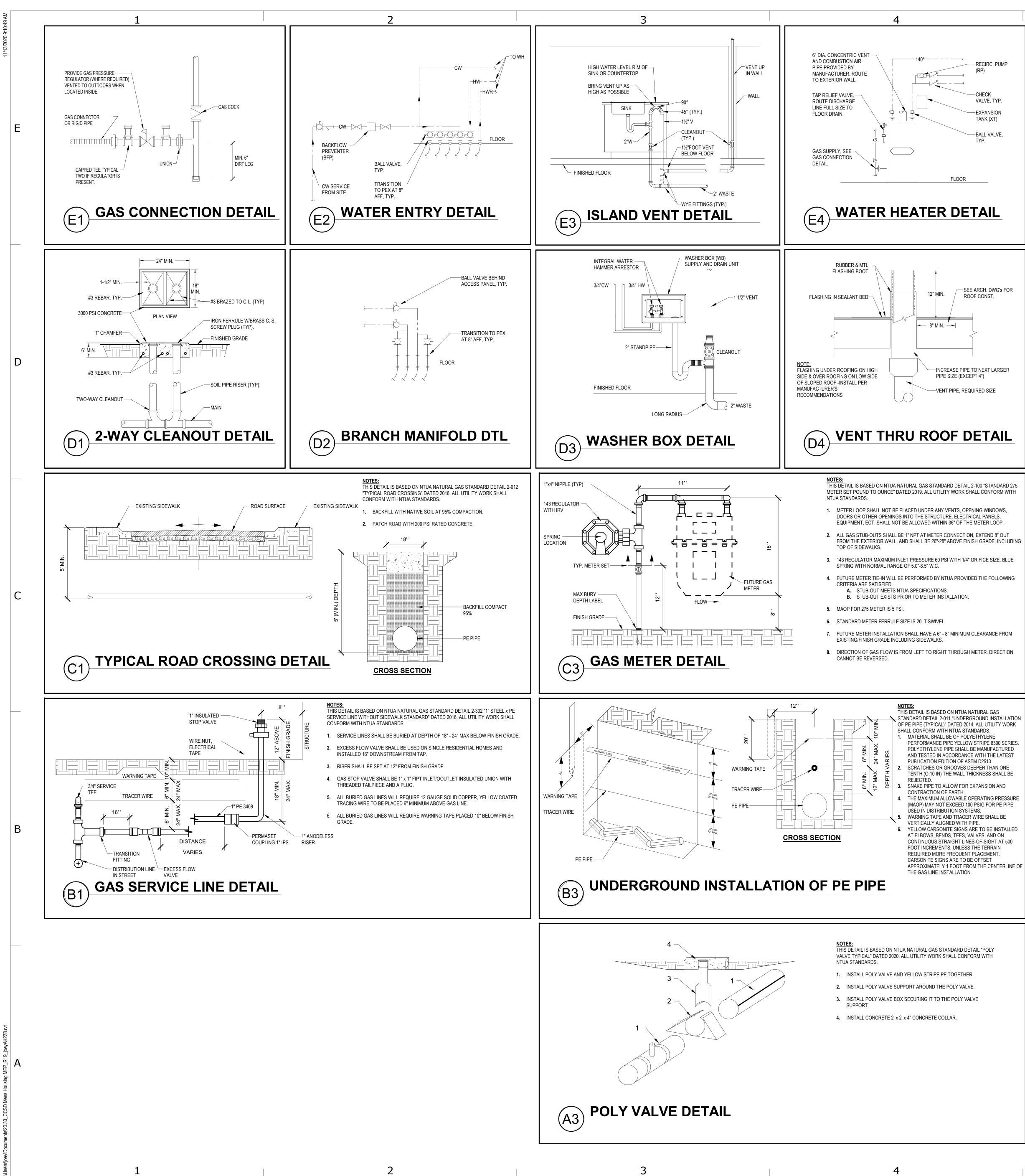


# GEN. NOTES - 2 BR (MIRRORED) 1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE C.

		6
ſ		KEYED NOTES
	22.01	1"CW UP FROM BELOW GRADE TO NEW WATER ENTRANCE AT AF FLOOR.
	22.02	3/4"CW, 3/4"HWR, 3/4"HW DROP TO GAS FIRED TANK WATER HEAT
	22.04	3/4"CW DROP TO WATER CLOSET.
	22.05	1/2"CW, 1/2"HW DROP TO LAVATORY. CONNECT VIA THERMOSTAT
	22.06	1/2"CW, 1/2"HW DROP TO SHOWER/BATHTUB.
	22.08	1/2"CW, 3/4"HW UP FROM BELOW FLOOR. TEE 3/4"HW LINE AND ROF FLOOR.
	22.09	3/4"CW RISE TO HOSE BIB AT 24" ABOVE GRADE.
	22.10	BELOW FLOOR WATER PIPING TO BE CONTINUOUS PEX TUBING V SLAB, TYP.
	22.11	3"W DOWN, 2"V RISE FROM WATER CLOSET.
	22.12	2"W DOWN, 1-1/2"V RISE FROM LAVATORY.
	22.13	2"W DOWN, 2"ISLAND VENT. SEE DETAIL.
	22.15	2"W DOWN, 2"V RISE FROM BATHTUB.
	22.18	3/4"CW RISE FROM WATER ENTRANCE.
	22.19	3/4"CW, 3/4"HW DROP TO WASHER BOX (WB). SEE DETAIL.
	22.21	2-WAY CLEANOUT. SEE DETAIL.
	22.22	2"V RISE IN WALL FROM BELOW FLOOR.
	22.24	2"V 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"HW UP IN WALL FROM BELOW GRADE. EXTEND 3/4"CV SCHEDULE AND 3/4"CW, 3/4"HW DOWN TO BELOW GRADE. SEE DE
	22.42	WATER MANIFOLD WITH ISOLATION VALVES LOCATED IN WALL. P SEE DETAIL.
	22.48	3/4"CW, 3/4"HW RISE TO S1 SINK. EXTEND 3/4"HWR DOWN TO BEL
	22.49	1" GAS INTO BUILDING ABOVE GRADE. OFFSET 3/4" GAS IN EXTER 3/4" GAS RISE TO ABOVE CEILING.
	22.50	COORDINATE ALL PLUMBING IN THIS WALL WITH ELECTRICAL PRI UNDER-SLAB WORK. ALLOW AT LEAST ONE COMPLETE OPEN STU AND PIPING TO ACCOMMODATE ELECTRICAL PANEL.
	22.51	ROUTE 3/4" CONDENSATE DRAIN FROM FURNACE COOLING COIL TERMINATE WITH ELBOW TURNED DOWN AND AIR GAP.
	22.62	GAS PRESSURE REGULATOR AND METER BY UTILITY COMPANY. P601. GAS METER TO BE INSTALLED AT LOT 1 ONLY. METER TO B ON ALL OTHER LOTS. SEE SITE PLAN FOR LOT NUMBERS.

# A4 PLUMBING PLAN - DOMESTIC WATER - 2 BEDROOM (MIRRORED)



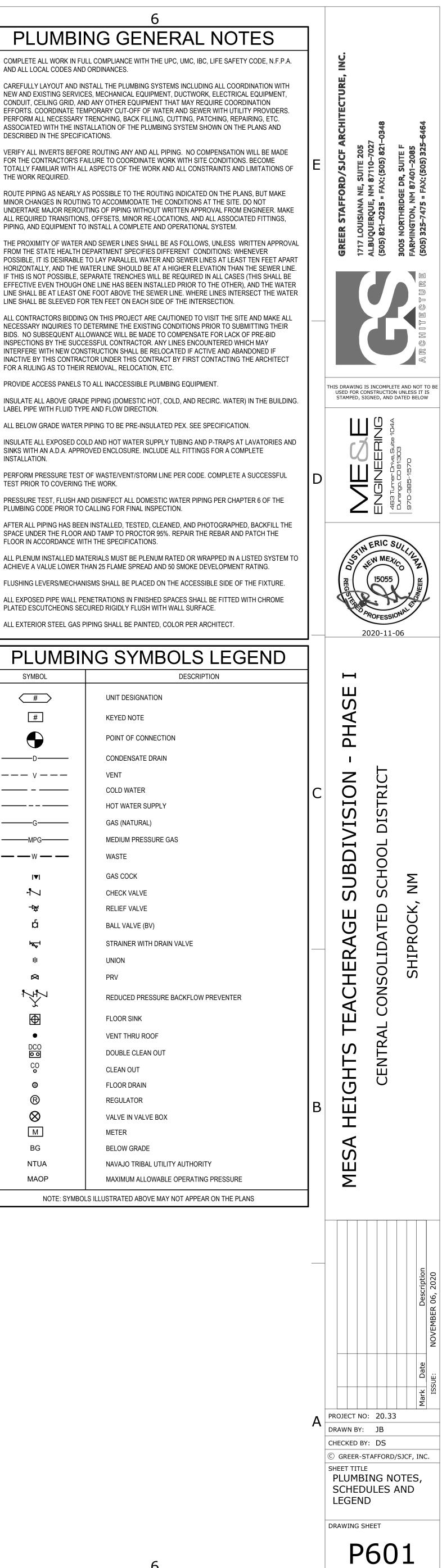


		PLUMBING SCHEDULE
	BFP	BACKFLOW PREVENTER: DUAL CHECK, LEAD FREE CAST COPPER BODY. ASSE STANDARD 1024.
RECIRC. PUMP (RP)	вт	"WATTS" MODEL LF7R BATHTUB: 60"x 30"x 14" HIGH, WHITE ENAMELED STEEL SKIRTED TUB WITH INTEGRAL
CHECK VALVE, TYP.		OVERFLOW, ALCOVE TYPE INSTALLATION FITTED WITH "DELTA" T14432 ASSE 1016 SINGLE HANDLE CHROME PLATED PRESSURE BALANCING VALVE, DIVERTER SPOUT AND 1.7 GPM SHOWER HEAD. FURNISH COMPLETE WITH GRID DRAIN ASSEMBLY. "AMERICAN STANDARD" 2391.202 (RIGHT SIDE DRAIN), 2390.202 (LEFT SIDE DRAIN) WASTE = 2"., VENT = 1 1/2 IN., CW & HW = 1/2 IN.
—EXPANSION TANK (XT) —BALL VALVE,	со	INTERIOR FLOOR CLEAN OUT: CAST IRON CLEAN OUT WITH THREADED ADJUSTABLE HOUSING, SV HUB OUTLET, FLANGED FERRULE WITH PLUG AND ROUND SCORIATED CAST IRON, POLISHED RONZE TRACTOR TOP. "ZURN" MODEL ZB-1400 (VERIFY SURFACE TYPE)
TYP.	FD	FLOOR DRAIN: CAST IRON FLOOR DRAIN WITH TRAP PRIMER CONNECTION AND TRAP GUARD, SECURED TOP, NICKEL BRONZE STRAINER. EXTENSION ADAPTER MAY BE REQUIRED, CONTRACTOR TO VERIFY AND INCLUDE IF NECESSARY. "ZURN" MODEL Z-415-P W/ TYPE B STRAINER WASTE = 2 IN., VENT = 2 IN.
	FPHB	HOSE BIBB: FREEZELESS, AUTOMATIC DRAINING, WALL HYDRANT: BRASS WITH POLISHED CHROME PLATED CASTING, METAL HANDLE OPERATED, AND CHROME PLATE VACUUM BREAKER, 3/4" FPT
	GCO	"WOODFORD" MODEL 17 EXTERIOR GRADE CLEANOUT: PVC OR ABS FEMALE ADAPTER WITH CLEANOUT PLUG.
	GD	LOCATED 2 IN. BELOW GRADE. GARBAGE DISPOSAL: CONTINUOUS FEED, GALVANIZED STEEL GRINDING ELEMENTS, WITH DISHWASHER PORT AND FACTORY CORD AND PLUG. MODEL STS-OOSN AIR PRESSURE SWITCH ACCESSORY. IN-SINKERATOR BADGER 5
	L1	ELECTRICAL:120-1PH-60 Hz., 1/2HP, 6.3 AMP LAVATORY: PEDESTAL MOUNTED, VITREOUS CHINA, 4" FAUCET CENTERS, "DELTA" 2532LF-MPU CHROME PLATED FAUCET WITH POP-UP DRAIN, 0.5 GPM FLOW RATE. "AMERICAN STANDARD" EDGEMERE 0445.004 WASTE = 2 IN., VENT = 1 - 1/2 IN., CW & 1/2 = IN.
E ARCH. DWG's FOR DOF CONST.	L2	LAVATORY: COUNTERTOP MOUNTED VITREOUS CHINA, SELF-RIMMING, FRONT OVERFLOW, 4" FAUCET CENTERS, "DELTA" 2532LF-MPU CHROME PLATED FAUCET WITH POP-UP DRAIN, 0.5 GPM FLOW RATE. "AMERICAN STANDARD" AQUALYN 0476.028
	PR	WASTE = 2 IN., VENT = 1 1/2 IN., CW & HW = 1/2 IN. GAS PRESSURE REGULATOR: STRAIGHT THROUGH BODY, DIAPHRAGM TYPE ASSEMBLY WITH INTERNAL RELIEF VALVE, DIE CAST ALUMINUM HOUSING, 3/4" INLET x 1" OUTLET CAST IRON VALVE BODY, 125 PSIG WORKING PRESSURE, 5# INLET PRESSURE, 7"w.c. OUTLET PRESSURE.
E TO NEXT LARGER EPT 4")	RP	"SENSUS" MODEL 143-80 RETURN PUMP: DIRECT DRIVE, SELF LUBRICATING BRONZE BODT CIRCULATOR, REPLACEABLE CARTTRIDGE, NSF LOW-LEAD COMPLIANT, 2 GPM, 3' HEAD. ELECTRICAL DATA: 115V-1PH-60Hz43 AMPS, 1/40HP "TACO" MODEL 003B4
QUIRED SIZE	S1	KITCHEN SINK: STAINLESS STEEL TWO COMPARTMENT KITCHEN SINK CONSTRUCTED OF 18 GAUGE TYPE 304 SS, SINGLE HOLE PUNCH WITH "DELTA" 19978-DST CHROME PLATED SINGLE LEVER FAUCET WITH INTEGRAL SPRAY HEAD, BASKET STRAINER, CHROME PLATED BRASS "P" TRAP AND TAILPIECE. "KOHLER" MODEL K-3820-1 WASTE = 2 IN., VENT = 1 - 1/2 IN., CW & HW = 1/2 IN,
DETAIL	SH	SHOWER: ASSE 1016 PRESSURE BALANCING VALVE WITH LEVER HANDLE, INTEGRAL STOPS, 1.5 GPM FLOW CONTROL, "DELTA" T14232 SHOWER VALVE AND SPRAY HEAD, CHROME PLATED. "STERLING" 72100100 NOMINAL 36"x 36"x 72" HIGH MOLDED VIKRELL (WHITE) 3-WALL MODULAR SURROUND AND BASE WASTE = 2 IN., VENT = 1-1/2 IN., CW & HW = 1/2 IN.
	TMV	THERMOSTATIC MIXING VALVE: 1/2"-1" (SEE PLAN FOR SIZE) ASSE 1070 POINT-OF-USE MIXING VALVE. SET AT 105°F. COLD WATER 50°F.; HOT WATER 140°F.
2-100 "STANDARD 275 HALL CONFORM WITH	WB	"WATTS" MODEL LFMMV WASHER BOX: PACKAGED WASHER BOX, 20 GA, GALVANIZED BOX, BALL VALVES WITH WATER HAMMER ARRESTORS, THEADED WASTE OUTLET. TOP OR BOTTOM WATER SUPPLIES. "GUY GRAY" MODEL WB200HA
PENING WINDOWS, RICAL PANELS, HE METER LOOP. DN, EXTEND 8" OUT	WC	WASTE = 2 IN.; VENT = 1 1/2 IN.; CW & HW = 1/2 IN. TANK TYPE WATER CLOSET: VITREOUS CHINA, CLOSE-COUPLED, SIPHON JET ELONGATED BOWL, BOLT CAPS, 1.6/1.1 GALLON DUAL FLUSH, TOP PUSHBUTTON OPERATOR, 16-1/2" RIM HEIGHT, CLOSED FRONT SEAT AND COVER.
NISH GRADE, INCLUDING " ORIFICE SIZE. BLUE	WCO	"DELTA" D43908D WASTE = 3 IN., VENT = 2 IN., CW = 3/4 IN. WALL CLEANOUT: BRASS PLUG WITH ROUND STAINLESS STEEL SECURED ACCESS COVER, SEE PLAN FOR SIZE.
DED THE FOLLOWING	WH2	"ZURN" MODEL Z-1468 GAS-FIRED WATER HEATER: DIRECT VENT, GLASS LINED 40 GALLON TANK, 150 PSI WORKING PRESSURE, .66 UEF, ELECTRONIC GAS CONTROL, 40,000 BTUH NATURAL GAS INPUT, 41 GPH
	WH3	RECOVERY AT 90 DEGREE RISE, ASHRAE/IES 90.1 COMPLIANT, 6 YEAR WARRANTY. "STATE" MODEL GS6 40 YBDS GAS-FIRED WATER HEATER: DIRECT VENT, GLASS LINED 50 GALLON TANK, 150 PSI WORKING PRESSURE, .65 UEF, ELECTRONIC GAS CONTROL, 50,000 BTUH NATURAL GAS INPUT, 51 GPH
I CLEARANCE FROM	XT	RECOVERY AT 90 DEGREE RISE, ASHRAE/IES 90.1 COMPLIANT, 6 YEAR WARRANTY. "STATE" MODEL GS6 50 YRDS EXPANSION TANK: POTABLE WATER USE, 150 MAX. WORKING PRESSURE, 2.0 GALLONS TOTAL
HMETER. DIRECTION		VOLUME, ASME, 55 PSIG FACTORY PRECHARGE. "AMTROL" MODEL ST-5C
NATURAL GAS		
RGROUND INSTALLATION 2014. ALL UTILITY WORK TANDARDS. DLYETHYLENE OW STRIPE 8300 SERIES. L BE MANUFACTURED		
NCE WITH THE LATEST ASTM D2513. DEEPER THAN ONE THICKNESS SHALL BE		

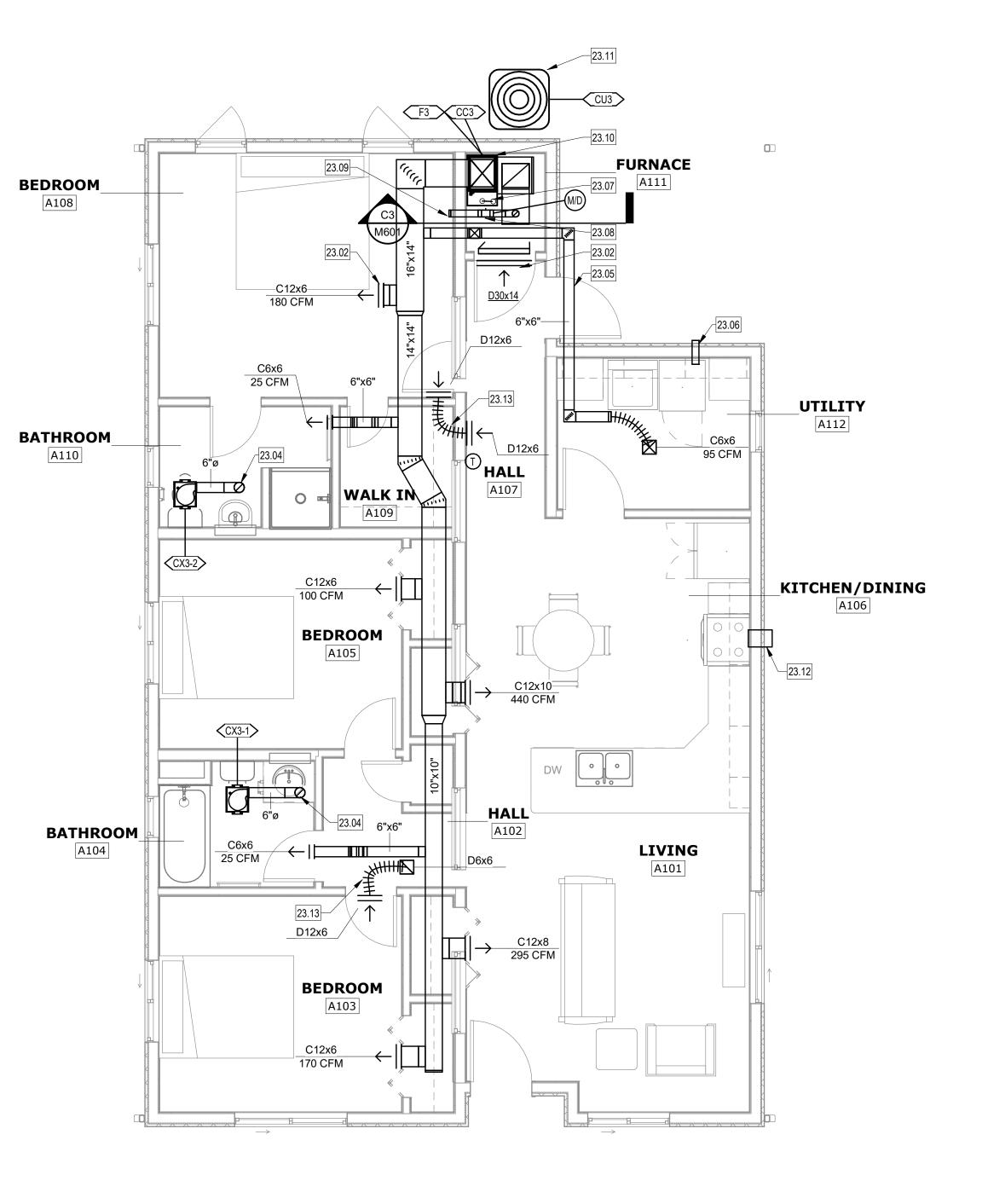
NEW AND EXISTING SERVIC CONDUIT, CEILING GRID, AN EFFORTS. COORDINATE TEI PERFORM ALL NECESSARY	STALL THE PLUMBING SYSTEMS INCLUDING ALL ES, MECHANICAL EQUIPMENT, DUCTWORK, ELE D ANY OTHER EQUIPMENT THAT MAY REQUIRE MPORARY CUT-OFF OF WATER AND SEWER WITH TRENCHING, BACK FILLING, CUTTING, PATCHING FALLATION OF THE PLUMBING SYSTEM SHOWN CATIONS.
FOR THE CONTRACTOR'S FA	RE ROUTING ANY AND ALL PIPING. NO COMPENS AILURE TO COORDINATE WORK WITH SITE CONE L ASPECTS OF THE WORK AND ALL CONSTRAIN
MINOR CHANGES IN ROUTIN UNDERTAKE MAJOR REROU ALL REQUIRED TRANSITION	AS POSSIBLE TO THE ROUTING INDICATED ON THE ROUTING INDICATED ON THE IG TO ACCOMMODATE THE CONDITIONS AT THE TING OF PIPING WITHOUT WRITTEN APPROVAL S, OFFSETS, MINOR RE-LOCATIONS, AND ALL AS INSTALL A COMPLETE AND OPERATIONAL SYS
FROM THE STATE HEALTH D POSSIBLE, IT IS DESIRABLE HORIZONTALLY, AND THE W IF THIS IS NOT POSSIBLE, SI EFFECTIVE EVEN THOUGH O LINE SHALL BE AT LEAST ON	AND SEWER LINES SHALL BE AS FOLLOWS, UNLI DEPARTMENT SPECIFIES DIFFERENT CONDITION TO LAY PARALLEL WATER AND SEWER LINES AT ATER LINE SHOULD BE AT A HIGHER ELEVATION EPARATE TRENCHES WILL BE REQUIRED IN ALL DNE LINE HAS BEEN INSTALLED PRIOR TO THE C IE FOOT ABOVE THE SEWER LINE. WHERE LINES R TEN FEET ON EACH SIDE OF THE INTERSECTI
NECESSARY INQUIRIES TO I BIDS. NO SUBSEQUENT ALL INSPECTIONS BY THE SUCC INTERFERE WITH NEW CONS INACTIVE BY THIS CONTRACTIVE BY THE BY	ON THIS PROJECT ARE CAUTIONED TO VISIT T DETERMINE THE EXISTING CONDITIONS PRIOR T OWANCE WILL BE MADE TO COMPENSATE FOR ESSFUL CONTRACTOR. ANY LINES ENCOUNTER STRUCTION SHALL BE RELOCATED IF ACTIVE AN TOR UNDER THIS CONTRACT BY FIRST CONTAC REMOVAL, RELOCATION, ETC.
PROVIDE ACCESS PANELS T	O ALL INACCESSIBLE PLUMBING EQUIPMENT.
INSULATE ALL ABOVE GRAD LABEL PIPE WITH FLUID TYP	E PIPING (DOMESTIC HOT, COLD, AND RECIRC. \ E AND FLOW DIRECTION.
ALL BELOW GRADE WATER	PIPING TO BE PRE-INSULATED PEX. SEE SPECIF
	LD AND HOT WATER SUPPLY TUBING AND P-TRA OVED ENCLOSURE. INCLUDE ALL FITTINGS FOR
PERFORM PRESSURE TEST TEST PRIOR TO COVERING	OF WASTE/VENT/STORM LINE PER CODE. COMF THE WORK.
	D DISINFECT ALL DOMESTIC WATER PIPING PEF CALLING FOR FINAL INSPECTION.
	N INSTALLED, TESTED, CLEANED, AND PHOTOGI AND TAMP TO PROCTOR 95%. REPAIR THE REBA TH THE SPECIFICATIONS.
	TERIALS MUST BE PLENUM RATED OR WRAPPED HAN 25 FLAME SPREAD AND 50 SMOKE DEVELOI
FLUSHING LEVERS/MECHAN	ISMS SHALL BE PLACED ON THE ACCESSIBLE SI
	ENETRATIONS IN FINISHED SPACES SHALL BE FI CURED RIGIDLY FLUSH WITH WALL SURFACE.
ALL EXTERIOR STEEL GAS F	PIPING SHALL BE PAINTED, COLOR PER ARCHITE
PLUMBI	NG SYMBOLS LE
SYMBOL	DESCRIPTION
#	

AND ALL LOCAL CODES AND ORDINANCES.

SYMBOL # #	DESCRIPTION UNIT DESIGNATION KEYED NOTE POINT OF CONNECTION CONDENSATE DRAIN
	KEYED NOTE POINT OF CONNECTION
#	POINT OF CONNECTION
	CONDENSATE DRAIN
D	
v	VENT
	COLD WATER
	HOT WATER SUPPLY
G	GAS (NATURAL)
MPG	MEDIUM PRESSURE GAS
— — w — —	WASTE
▼	GAS COCK
-1	CHECK VALVE
~璨	RELIEF VALVE
á	BALL VALVE (BV)
ا <del>مکر</del> ا	STRAINER WITH DRAIN VALVE
ų	UNION
<b>A</b>	PRV
	REDUCED PRESSURE BACKFLOW PREVEN
Ð	FLOOR SINK
•	VENT THRU ROOF
DCO O O	DOUBLE CLEAN OUT
CO	CLEAN OUT
•	FLOOR DRAIN
®	REGULATOR
$\otimes$	VALVE IN VALVE BOX
М	METER
BG	BELOW GRADE
NTUA	NAVAJO TRIBAL UTILITY AUTHORITY
MAOP	MAXIMUM ALLOWABLE OPERATING PRESS
NOTE: SYMBOLS ILLU	JSTRATED ABOVE MAY NOT APPEAR ON TH



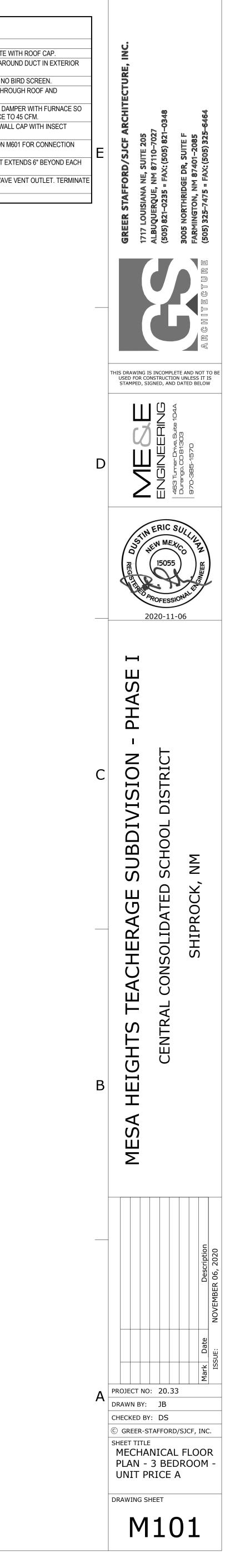
11/6/2020 11:27:51 AM			1			2
	Е					
	D					
	С					
	B					
_NateBrush.rvt						
0:\Users\Nate\Documents\20.33_CCSD	A					
:\Users\Nate\Documents\			1			2



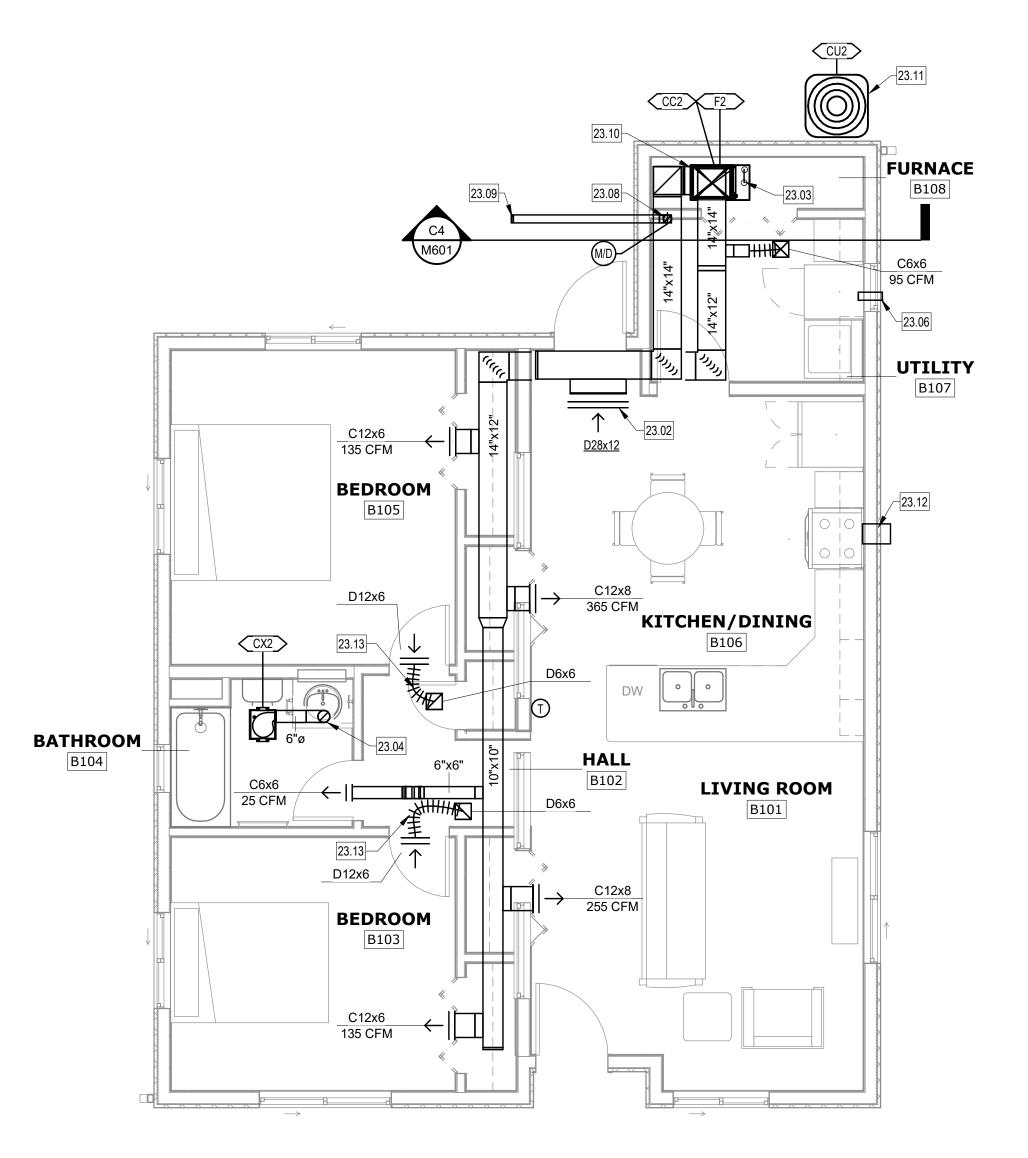


## GENERAL NOTES - 3 BEDROOM 1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE A.

	6
	KEYED NOTES
23.02	LOCATE GRILLE HIGH SIDEWALL OF SOFFIT.
23.04	ROUTE 6" EXHAUST DUCT UP THROUGH ROOF AND TERMINATE
23.05	ROUTE DUCT IN EXTERIOR SOFFIT. PROVIDE 2" DUCT WRAP ARC SOFFIT.
23.06	4" DRYER EXHAUST DUCT. TERMINATE WITH WALL CAP WITH NO
23.07	3" FURNACE COMBUSTION AIR AND VENT PIPES. ROUTE UP THRU TERMINATE WITH MANUFACTURER'S CONCENTRIC VENT KIT.
23.08	4" OSA INTAKE DUCT WITH MOTORIZED DAMPER. INTERLOCK DA DAMPER IS OPEN WHENEVER FURNACE IS RUNNING. BALANCE T
23.09	TERMINATE DUCT ON CLERESTORY SIDEWALL WITH INTAKE WAI SCREEN.
23.10	FURNACE WITH VERTICAL DX COOLING COIL. SEE SECTION ON M DETAILS.
23.11	MOUNT CONDENSING UNIT ON 4" THICK CONCRETE PAD THAT EX SIDE OF THE UNIT.
23.12	10"X3-1/4" KITCHEN EXHAUST DUCT CONNECTED TO MICROWAVE WITH WALL CAP PER MANUFACTURER'S INSTRUCTIONS.
23.13	CONNECT TRANSFER GRILLES WITH 6" FLEX DUCT.



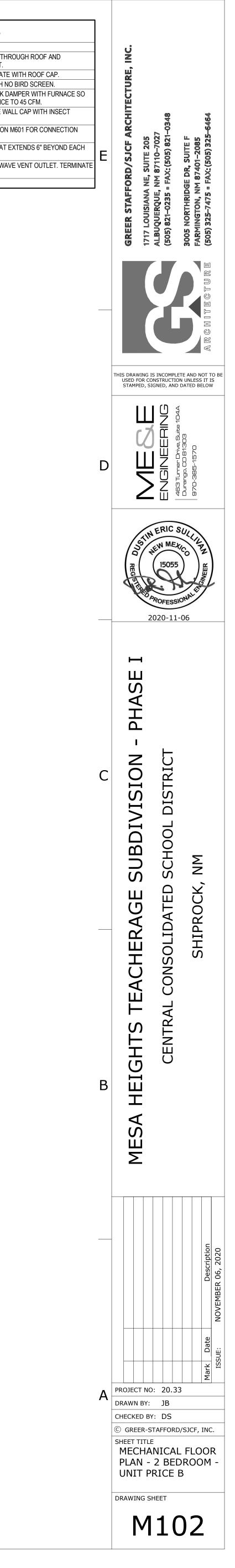
11/6/2020 11:27:51 AM			1				2
	Е						
-							
	D						
	С						
	В						
∂_NateBrush.rvt							
:\Users\Nate\Documents\20.33_CCSD	A						
/Users/Nate/Documents/20			1		1		2



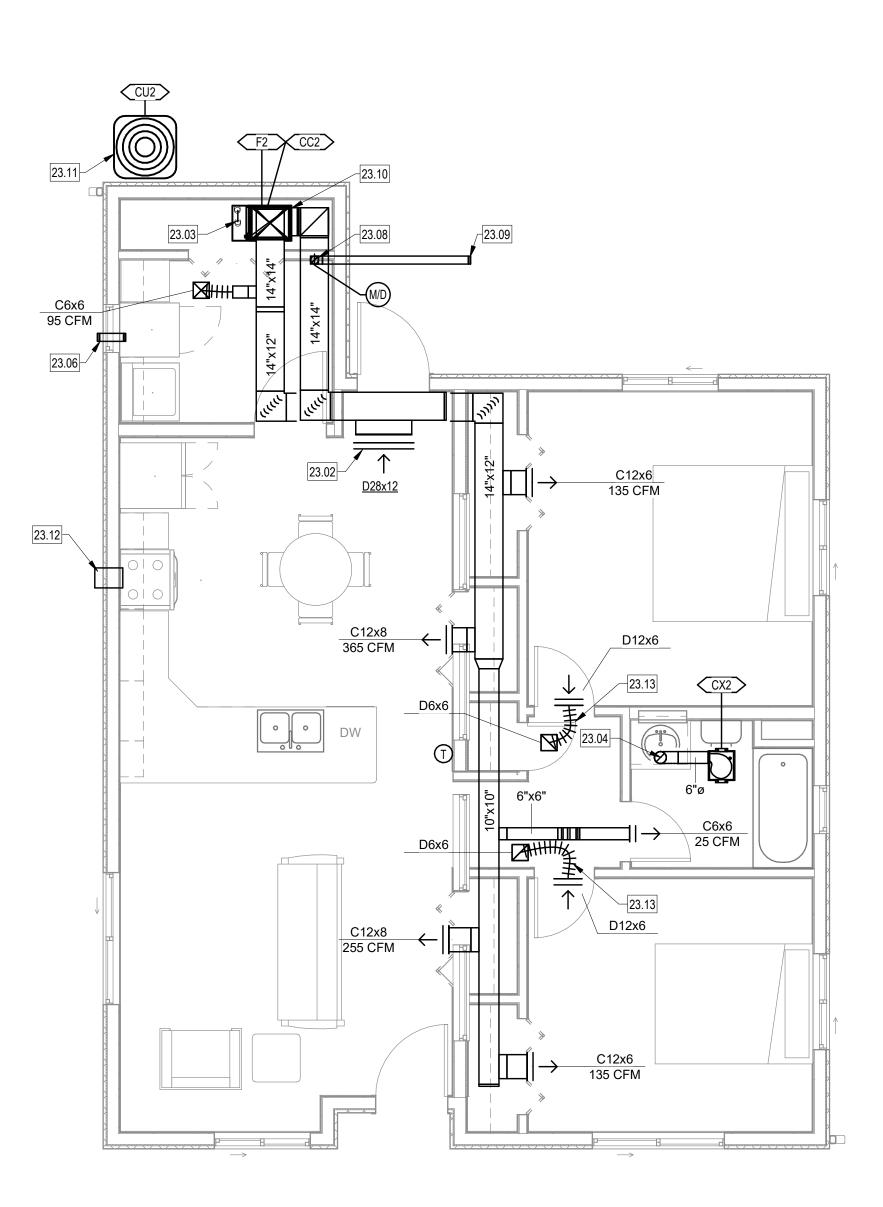


# **GENERAL NOTES - 2 BEDROOM** 1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE B.

	KEYED NOTES
23.02	LOCATE GRILLE HIGH SIDEWALL OF SOFFIT.
23.03	2" FURNACE COMBUSTION AIR AND VENT PIPES. ROUTE UP THR TERMINATE WITH MANUFACTURER'S CONCENTRIC VENT KIT.
23.04	ROUTE 6" EXHAUST DUCT UP THROUGH ROOF AND TERMINATE
23.06	4" DRYER EXHAUST DUCT. TERMINATE WITH WALL CAP WITH NC
23.08	4" OSA INTAKE DUCT WITH MOTORIZED DAMPER. INTERLOCK DA DAMPER IS OPEN WHENEVER FURNACE IS RUNNING. BALANCE
23.09	TERMINATE DUCT ON CLERESTORY SIDEWALL WITH INTAKE WA SCREEN.
23.10	FURNACE WITH VERTICAL DX COOLING COIL. SEE SECTION ON N DETAILS.
23.11	MOUNT CONDENSING UNIT ON 4" THICK CONCRETE PAD THAT E SIDE OF THE UNIT.
23.12	10"X3-1/4" KITCHEN EXHAUST DUCT CONNECTED TO MICROWAV WITH WALL CAP PER MANUFACTURER'S INSTRUCTIONS.
23.13	CONNECT TRANSFER GRILLES WITH 6" FLEX DUCT.



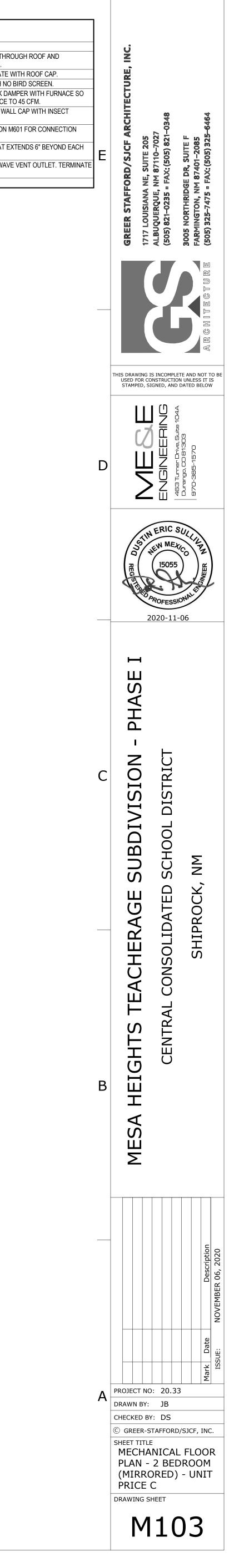
11/6/2020 11:27:52 AM	D	1		
	C			
	B			
:\Users\Nate\Documents\20.33_CCSD	A	1		

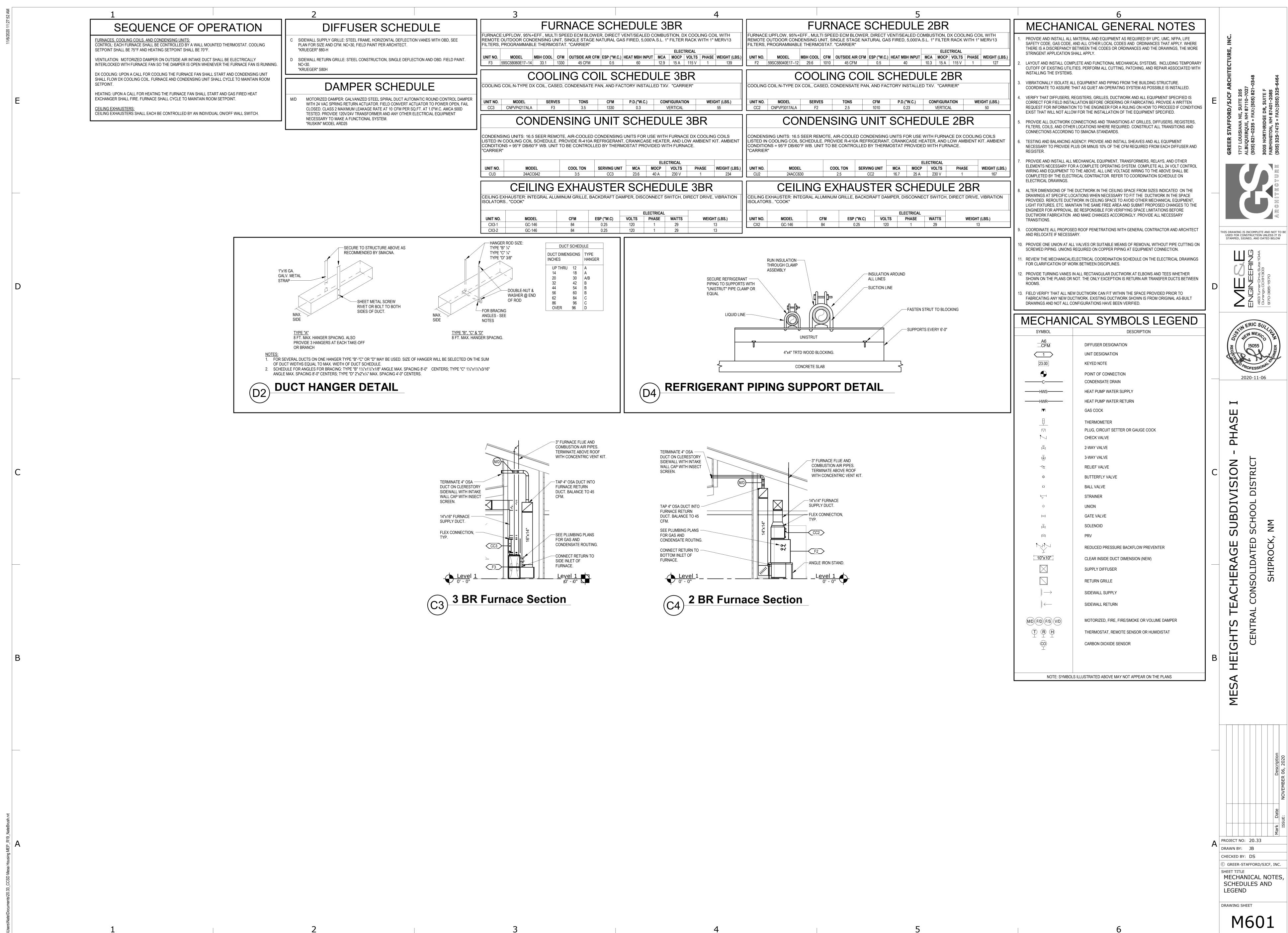


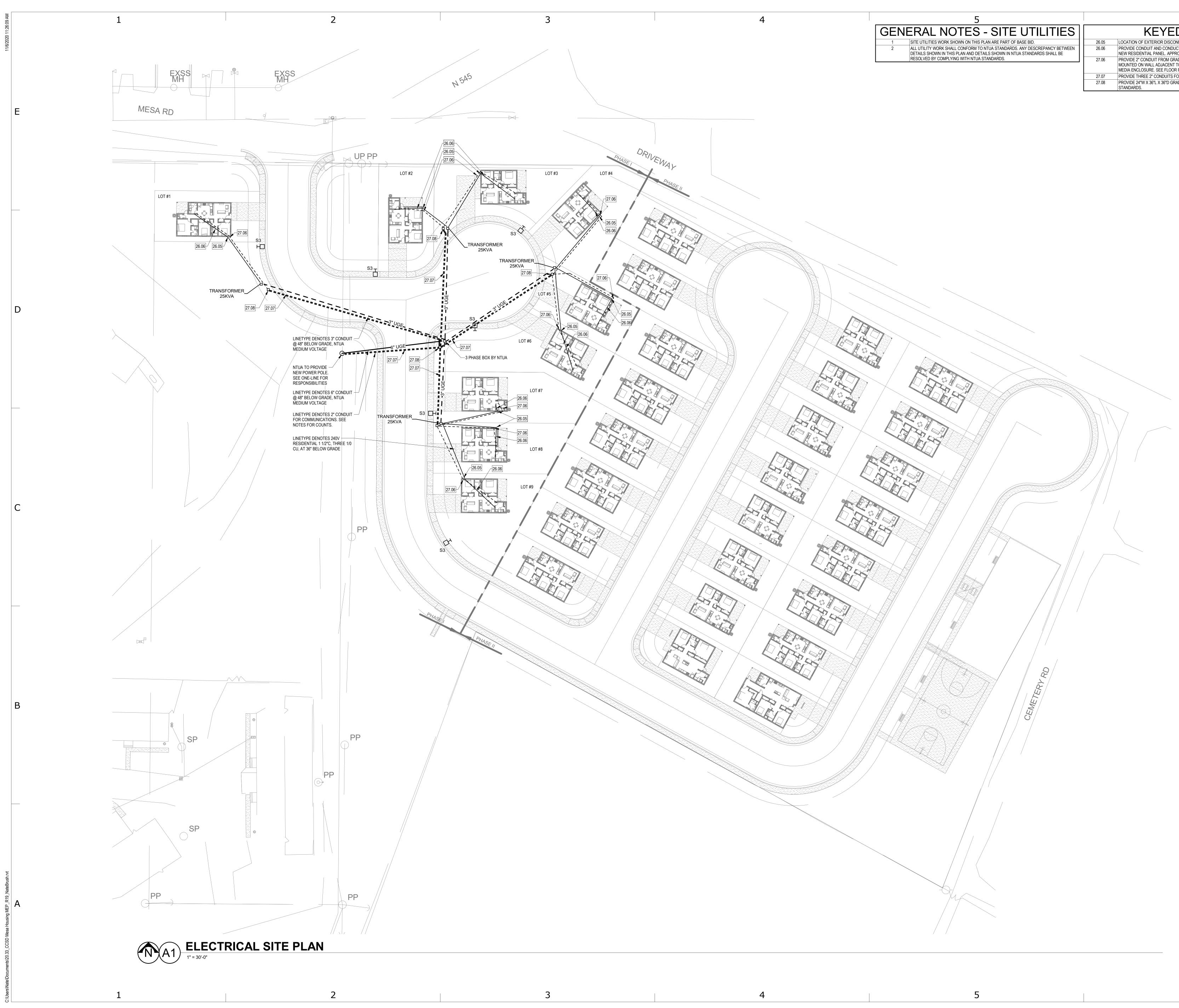


# GEN. NOTES - 2 BR (MIRRORED) 1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE C.

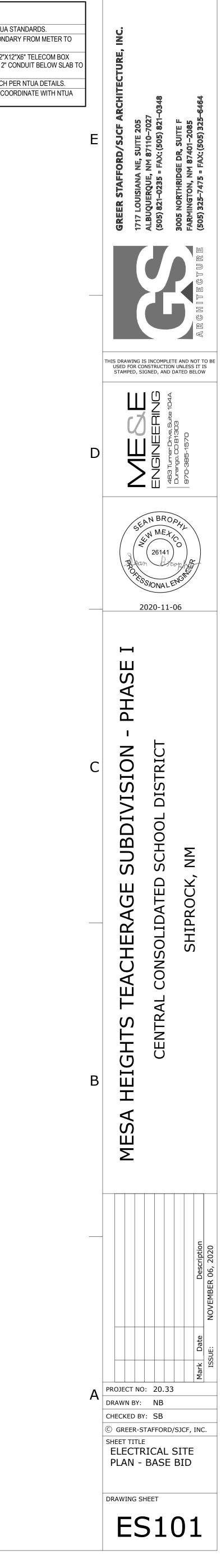
	U
	KEYED NOTES
23.02	LOCATE GRILLE HIGH SIDEWALL OF SOFFIT.
	2" FURNACE COMBUSTION AIR AND VENT PIPES. ROUTE UP THR TERMINATE WITH MANUFACTURER'S CONCENTRIC VENT KIT.
23.04	ROUTE 6" EXHAUST DUCT UP THROUGH ROOF AND TERMINATE
23.06	4" DRYER EXHAUST DUCT. TERMINATE WITH WALL CAP WITH NO
23.08	4" OSA INTAKE DUCT WITH MOTORIZED DAMPER. INTERLOCK DA DAMPER IS OPEN WHENEVER FURNACE IS RUNNING. BALANCE
23.09	TERMINATE DUCT ON CLERESTORY SIDEWALL WITH INTAKE WA SCREEN.
23.10	FURNACE WITH VERTICAL DX COOLING COIL. SEE SECTION ON M DETAILS.
-	MOUNT CONDENSING UNIT ON 4" THICK CONCRETE PAD THAT E SIDE OF THE UNIT.
23.12	10"X3-1/4" KITCHEN EXHAUST DUCT CONNECTED TO MICROWAV WITH WALL CAP PER MANUFACTURER'S INSTRUCTIONS.
23.13	CONNECT TRANSFER GRILLES WITH 6" FLEX DUCT.

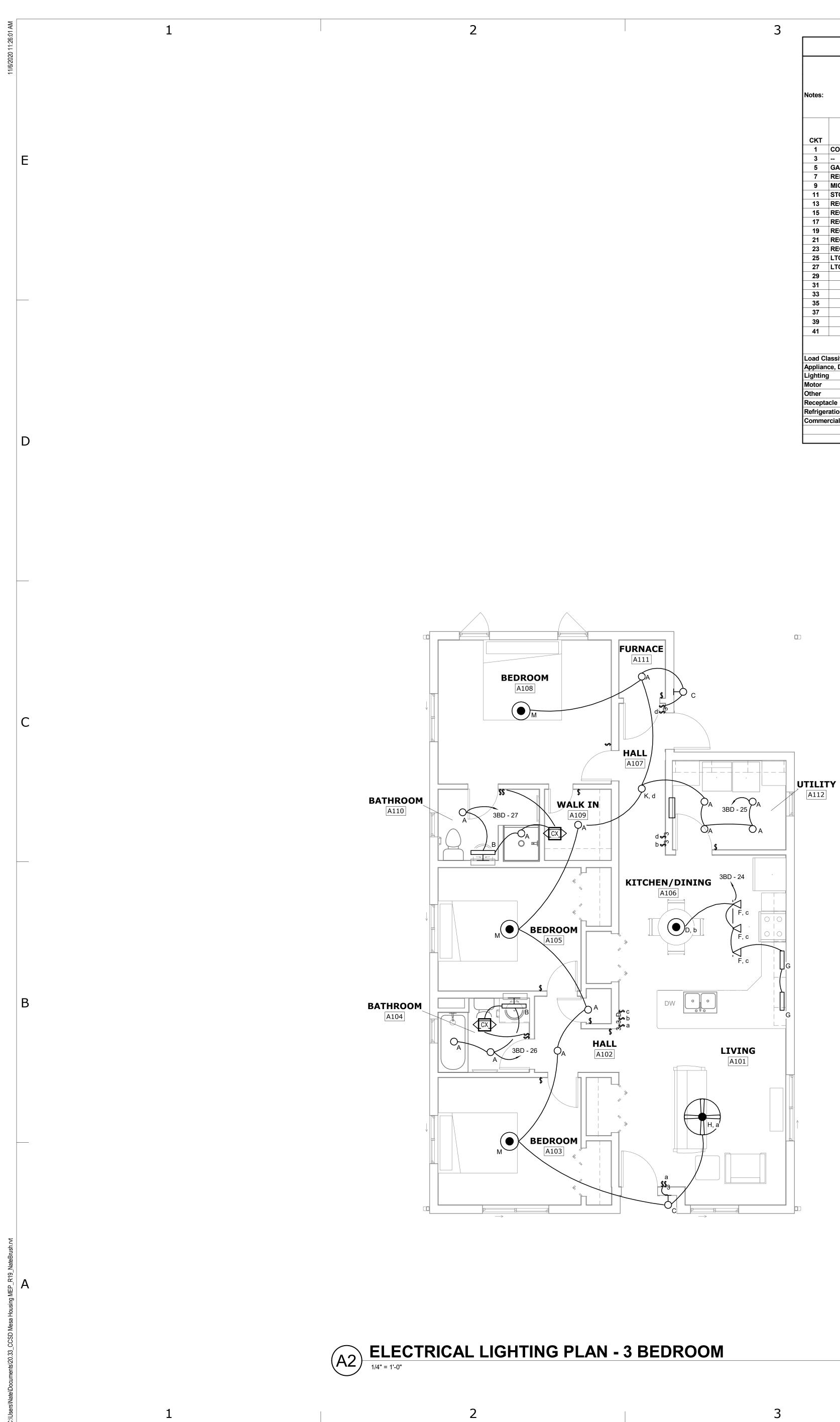




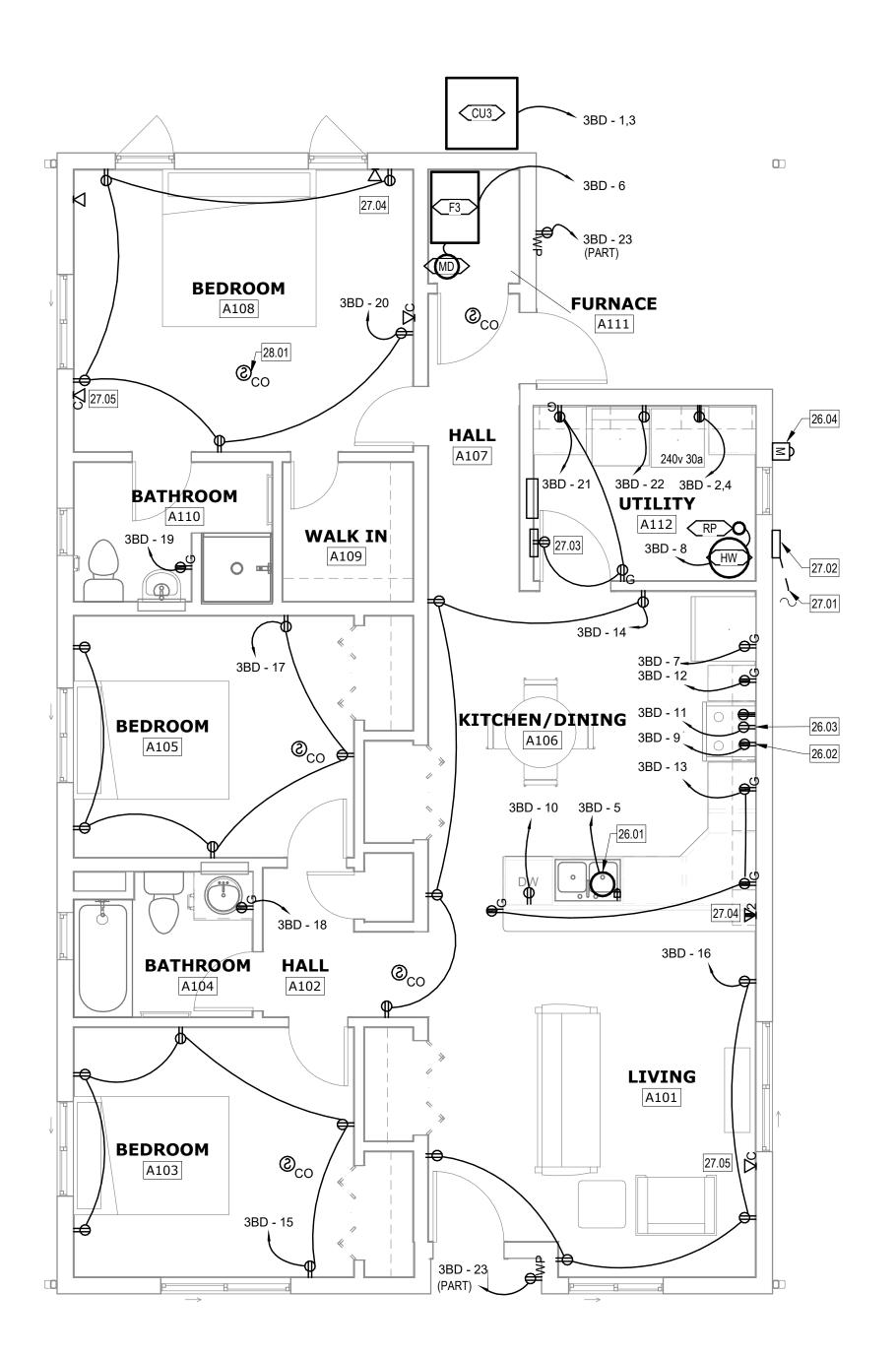


# 6 **KEYED NOTES** 26.05LOCATION OF EXTERIOR DISCONNECT/METER. INSTALL PER NTUA STANDARDS.26.06PROVIDE CONDUIT AND CONDUCTORS EQUAL TO UTILITY SECONDARY FROM METER TO<br/>NEW RESIDENTIAL PANEL. APPROXIMATE ROUTING SHOWN. PROVIDE 2" CONDUIT FROM GRADE LEVEL BOX TO EXTERIOR 12"X12"X6" TELECOM BOX MOUNTED ON WALL ADJACENT TO ELECTRICAL METER. ROUTE 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSURE. SEE FLOOR PLAN. PROVIDE THREE 2" CONDUITS FOR TELECOM. INSTALL IN TRENCH PER NTUA DETAILS. PROVIDE 24"W X 36"L X 36"D GRADE LEVEL BOX FOR TELECOM. COORDINATE WITH NTUA STANDARDS.

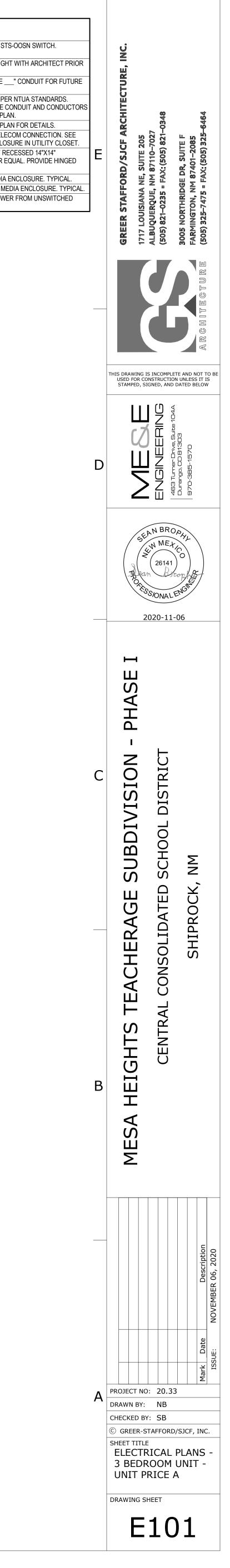


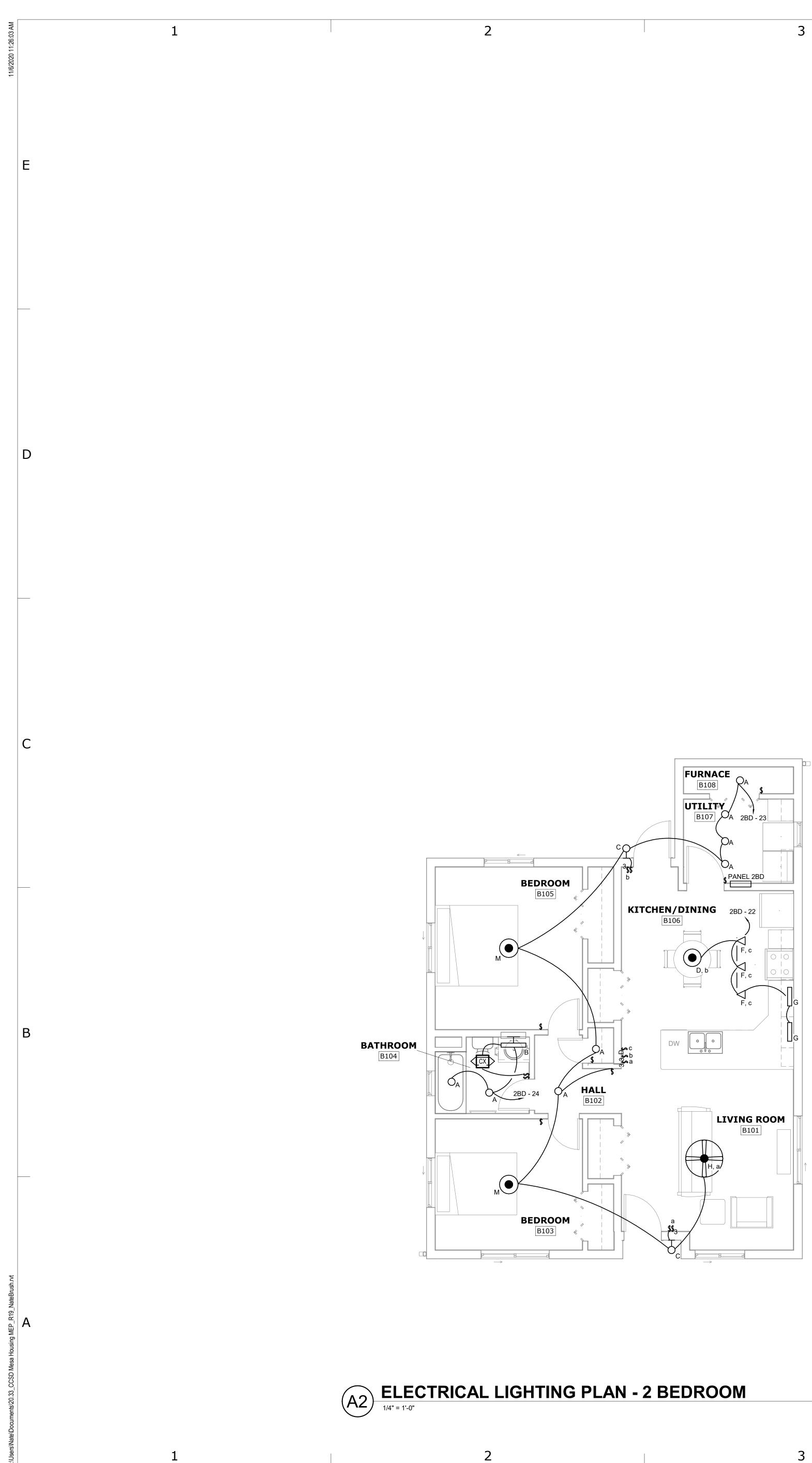


								4				5		6
PANEL 3BD											LECTRICAL GENERAL NOTES	KEYED NOTES		
	Location: UTILITY A112Volts: 120/240 SingleA.I.C. Rating:Enclosure:Phases: 1Mains Type:											ALL RECEPTACLES SHALL BE TAMPER RESISTANT. ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SHALL HAVE ARC	26.01	GARBAGE DISPOSER: INSTALL AND CONNECT INSINKERATOR STS- COORDINATE WITH ARCHITECT AND GC.
	Mounting: Recesse	ed			Wires	<b>s:</b> 3	Mains Rating: 225 A					FAULT BREAKERS. PROVIDE COMBINATION ARC FAULT/GROUND FAULT BREAKERS TO MEET COMBINED	26.02	MICROWAVE: MOUNT ABOVE STOVE. COORDINATE EXACT HEIGHT TO ROUGH-IN.
Notes:												REQUIREMENTS. MULTISTATION COMBINATION PHOTOELECTRIC SMOKE AND CARBON MONOXIDE ALARMS	26.03	STOVE: INSTALL 120V RECEPTACLE FOR GAS STOVE. PROVIDE' RETROFIT TO ELECTRICAL STOVE.
												WITH VOICE MESSAGES, COMPLYING WITH NM RESIDENTIAL BUILDING CODE, AND 2019 NFPA 72	26.04	APPROXIMATE LOCATION OF EXTERIOR DISCONNECT/METER PER I COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE COI FROM ACTUAL METER LOCATION TO PANELBOARD. SEE SITE PLAN
					Α		В					ENERAL NOTES - 3 BEDROOM	27.01	UNDERGROUND CONDUIT FROM TELECOM UTILITY. SEE SITE PLAN
СКТ	Circuit Description	•	Poles					Poles	•		СКТ	ENERAL NOTES - 3 DEDROOM	27.02	APPROXIMATE LOCATION OF 12"X12"X6" BOX FOR FUTURE TELECO
1	CONDENSING UNIT	40	2	2340	3600	2340	0 3600	2	30	DRYER	2	ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE A.	07.02	SITE PLAN FOR. RUN 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSU TERMINATE 1 1/2" COMMUNICATIONS CONDUIT IN BOTTOM OF REC
5	 GARBAGE DISPOSER	 20		756	1506		5 3000			 FURNACE, DAMPER	4		27.03	STRUCTURED MEDIA ENCLOSURE, LEVITON 47605-140 SMC OR EQU
7	REFRIGERATOR	20	1	730	1500	780	102	1	20	WATER HEATER	8			DOOR COVER. PROVIDE RECEPTACLE IN ENCLOSURE.
9	MICROWAVE	20	1	1920	1200			1	20	DISHWASHER	10		27.04	RUN CAT5E LINE FROM THIS LOCATION TO STRUCTURED MEDIA EN
11	STOVE	20	1			50	1600	1	20	REC - KITCH	12		27.05	RUN CABLE TV COAX FROM THIS LOCATION TO STRUCTURED MEDI
13	REC - KITCH	20	1	4800	720			1	20	<b>REC - KITCH WALLS, HALL</b>	14		28.01	INTERCONNECT CARBON MONOXIDE SMOKE ALARMS AND POWER CIRCUIT PER NFPA 72 REQUIREMENTS. TYPICAL.
15	REC - SMALL BEDROOM 1	20	1			900	720	1	20	REC - LIVING ROOM	16	L		CIRCUIT PER NFPA /2 REQUIREMENTS. TIPICAL.
17	REC - SMALL BEDROOM 2	20	1	900	180			1	20	REC - BATHROOM	18			
19	<b>REC - MASTER BATHROOM</b>	20	1			180	900	1	20	<b>REC - MASTER BEDROOM</b>	20			
21	REC - UTILITY	20	1	540	1500			1	20	REC - WASHER	22			
23	REC - EXTERIOR	20	1			360	161	1	20	LTG - KITCHEN	24			
25	LTG - LVG, BEDS, HALL,	20	1	429	85			1	20	LTG, FAN - BATHROOM	26			
27	LTG, FAN - MASTER	20	1			85					28			
29											30			
31											32			
33											34			
35 37											36 38			
39											40			
41											42			
		То	tal Load	200	92 VA	11	575 VA				74			
			al Amps		67 A		96 A							
Load C	lassification		•	Load D			Dema	and		Panel Totals				
	nce, Dwelling Unit		3120 V		100.0		3120							
Lighting	g		701 VA	<b>\</b>	125.0	0%	877	VA	То	tal Conn. Load: 31666 VA				
Motor			7000 V		116.7		8170		Tota	al Est. Demand: 28476 VA				
Other			102 VA		100.0		102							
Recepta			19000 V		76.32		14500							
Refrige			2280 V		100.0		2280							
Comme	ercial Kitchen Equipment		50 VA		100.0	0%	50 \	VA		Total Conn.: 132 A				
									Tota	al Est. Demand: 119 A				

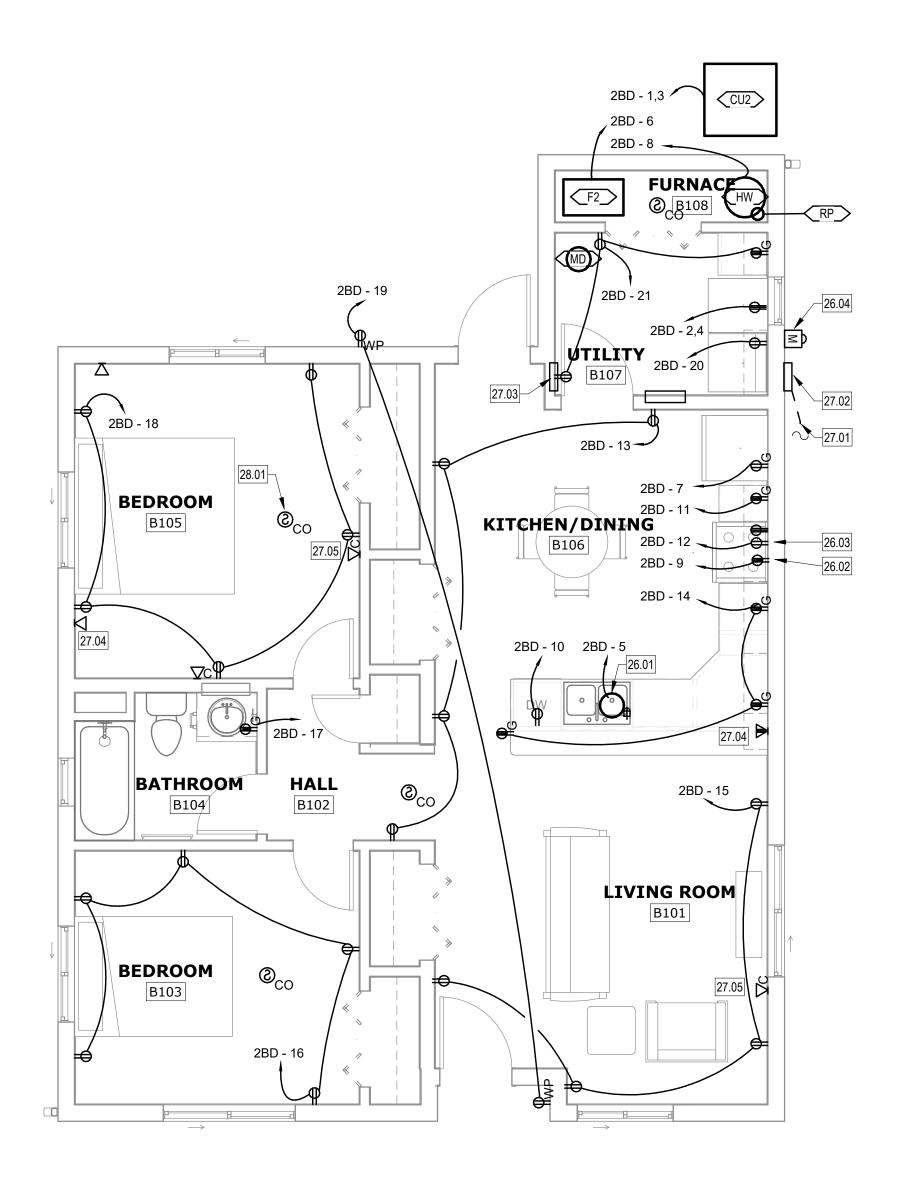




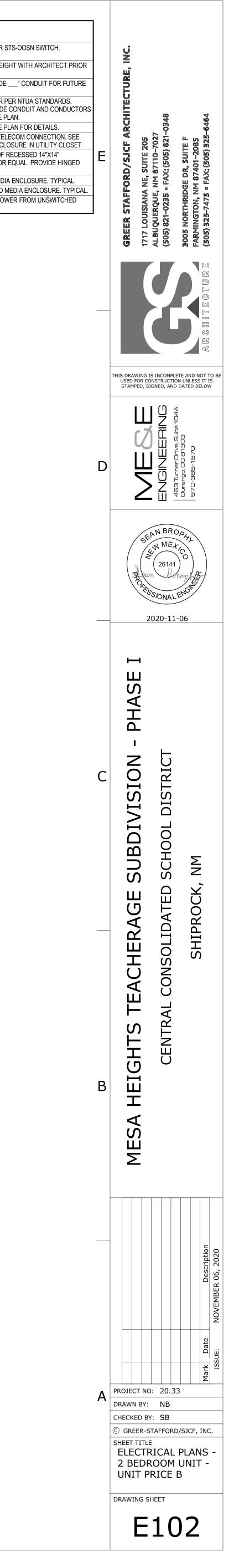


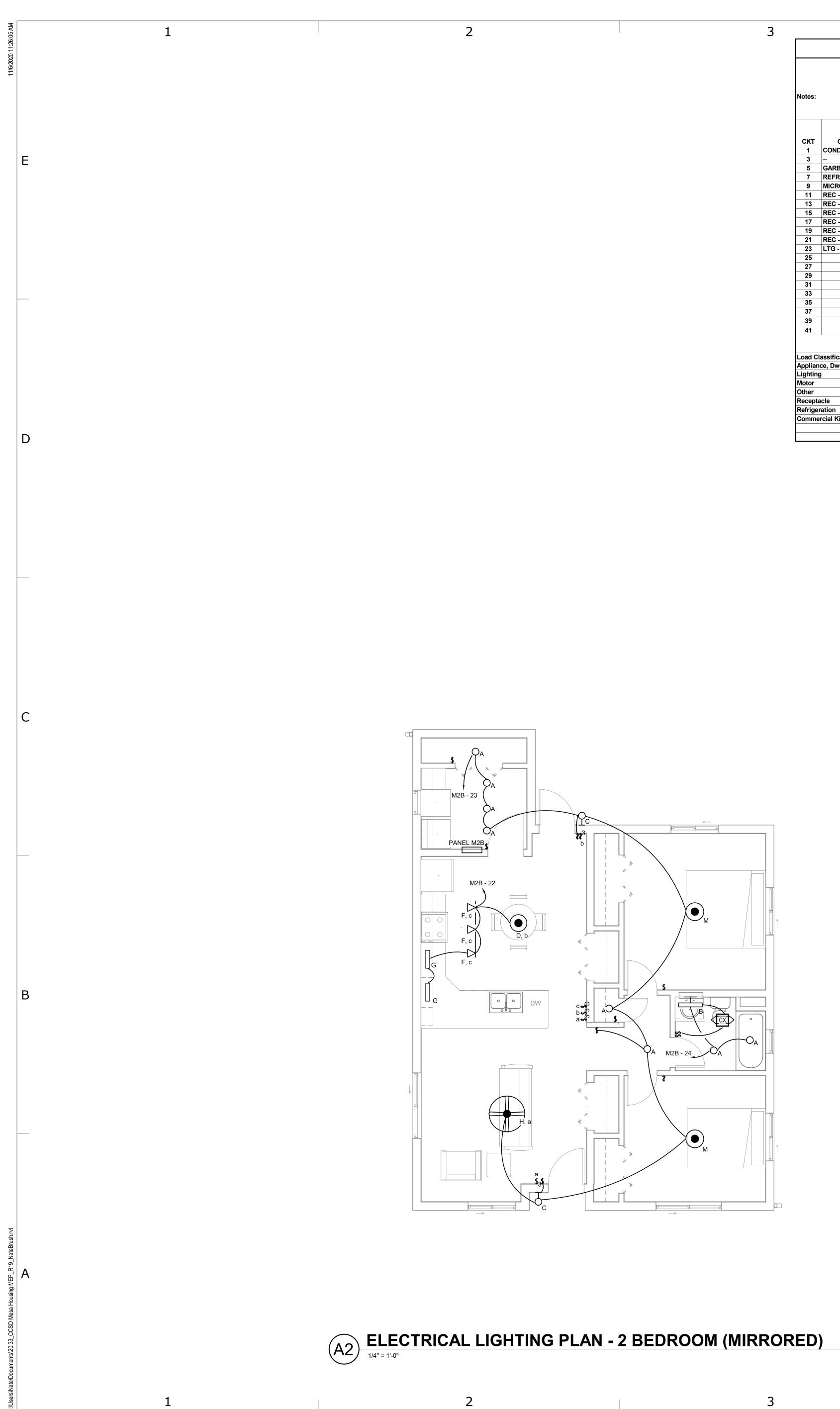


								4			5	6 KEYED NOTES		
	F	PAN	IEL	2B[	)						ELECTRICAL GENERAL NOTES			
Location:     UTILITY B107     Volts:     120/240 Single     A.I.C. Rating:       Enclosure:     Phases:     1     Mains Type:							Single	-	A.I.C. Rating: Mains Type:		1       ALL RECEPTACLES SHALL BE TAMPER RESISTANT.         2       ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SHALL HAVE ARC	26.01	GARBAGE DISPOSER: INSTALL AND CONNECT INSINKERATOR STS- COORDINATE WITH ARCHITECT AND GC.	
	Mounting: Recess	ed			Wires:				Mains Rating: 225 A		FAULT BREAKERS. 3 PROVIDE COMBINATION ARC FAULT/GROUND FAULT BREAKERS TO MEET COMBINED	26.02	MICROWAVE: MOUNT ABOVE STOVE. COORDINATE EXACT HEIGHT TO ROUGH-IN.	
Notes:											4 MULTISTATION COMBINATION PHOTOELECTRIC SMOKE AND CARBON MONOXIDE ALARMS	26.03	STOVE: INSTALL 120V RECEPTACLE FOR GAS STOVE. PROVIDE RETROFIT TO ELECTRICAL STOVE.	
									WITH VOICE MESSAGES, COMPLYING WITH NM RESIDENTIAL BUILDING CODE, AND 2019 NFPA 72	26.04	APPROXIMATE LOCATION OF EXTERIOR DISCONNECT/METER PER COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE CO FROM ACTUAL METER LOCATION TO PANELBOARD. SEE SITE PLAN			
					Α		В				GENERAL NOTES - 2 BEDROOM	27.01	UNDERGROUND CONDUIT FROM TELECOM UTILITY. SEE SITE PLAN	
СКТ 1	Circuit Description CONDENSING UNIT	Trip 25	Poles 2	1755	3600			Poles 2	Trip         Circuit Description           30         DRYER	СКТ 2		27.02	APPROXIMATE LOCATION OF 12"X12"X6" BOX FOR FUTURE TELECO SITE PLAN FOR. RUN 2" CONDUIT BELOW SLAB TO MEDIA ENCLOSU	
3	-			1100	0000	1755	3600			4	1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE B.	27.03	TERMINATE 1 1/2" COMMUNICATIONS CONDUIT IN BOTTOM OF REC	
5	GARBAGE DISPOSER	20	1	756	1116			1	20 FURNACE, DAMPER	6			STRUCTURED MEDIA ENCLOSURE, LEVITON 47605-140 SMC OR EQU	
7	REFRIGERATOR	20	1			780	102	1	20 WATER HEATER	8		07.04	DOOR COVER. PROVIDE RECEPTACLE IN ENCLOSURE.	
9	MICROWAVE	20	1	1920	1200			1	20 DISHWASHER	10		27.04	RUN CAT5E LINE FROM THIS LOCATION TO STRUCTURED MEDIA EN RUN CABLE TV COAX FROM THIS LOCATION TO STRUCTURED MED	
11	REC - KITCH	20	1			1600	50	1	20 STOVE	12	-	27.05	INTERCONNECT CARBON MONOXIDE SMOKE ALARMS AND POWER	
-		20	1	720	4800			1	20 REC - KITCH	14		20.01	CIRCUIT PER NFPA 72 REQUIREMENTS. TYPICAL.	
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	<b>540</b>	101	360	1500	1	20 REC - WASHER	20				
	REC - UTILITY	20	1	540	161	077	05	1	20 LTG - KITCHEN	22				
23 25	LTG - LVG, BEDS, HALL,	20	1			277	85	1	20 LTG, FAN - BATHROOM	24 26				
25										28				
29										30				
31										32				
33										34				
35										36				
37										38				
39										40				
41										42				
			tal Load		51 VA 5 A		51 VA 6 A							
L oad C	lassification		-	Load D			Dema	nd	Panel Totals					
	nce, Dwelling Unit		3120 V		100.00		3120							
Lightin	· • •		494 VA		125.00		617 \		Total Conn. Load: 28902 VA					
Motor			5411 V		116.22		6289		Total Est. Demand: 25906 VA					
Other			102 V		100.00		102 \							
Recept	acle		17920 V	Ά	77.90%	%	13960	VA						
Refrige			2280 V	Α	100.00	%	2280							
Comme	ercial Kitchen Equipment		50 VA		100.00	%	50 V	Α	Total Conn.: 120 A					
									Total Est. Demand: 108 A					

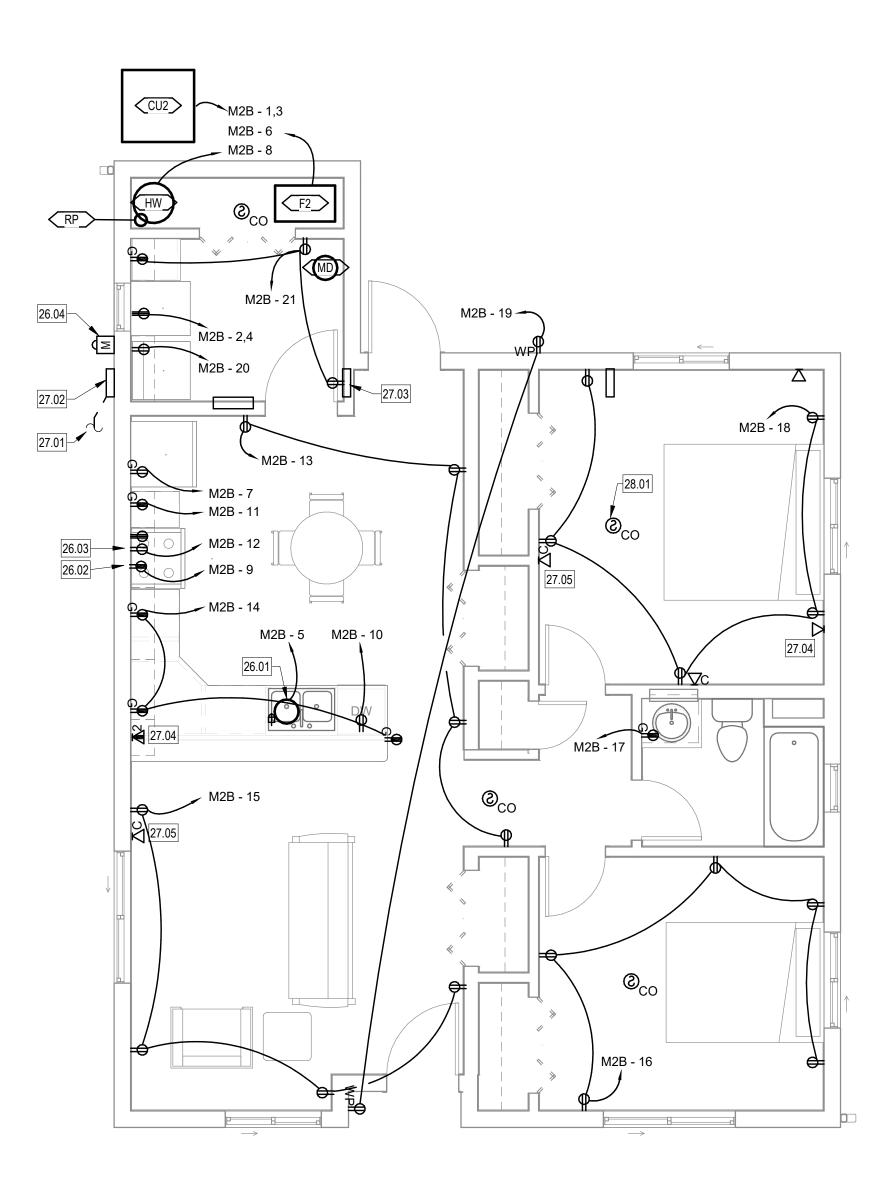








								4					5		6
PANEL 2BD													ELECTRICAL GENERAL NOTES		KEYED NOTES
Location: UTILITY B107     Volts: 120/240 Single     A.I.C. Rating:       Enclosure:     Phases: 1     Mains Type:										-			1       ALL RECEPTACLES SHALL BE TAMPER RESISTANT.         2       ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SHALL HAVE ARC	26.01	GARBAGE DISPOSER: INSTALL AND CONNECT INSINKERATOR STS COORDINATE WITH ARCHITECT AND GC.
	Mounting: Recesse	ed			Wires:					s Rating: 225 A			FAULT BREAKERS. 3 PROVIDE COMBINATION ARC FAULT/GROUND FAULT BREAKERS TO MEET COMBINED	26.02	MICROWAVE: MOUNT ABOVE STOVE. COORDINATE EXACT HEIGHT TO ROUGH-IN.
Notes:													4 MULTISTATION COMBINATION PHOTOELECTRIC SMOKE AND CARBON MONOXIDE ALARMS	26.03	STOVE: INSTALL 120V RECEPTACLE FOR GAS STOVE. PROVIDE RETROFIT TO ELECTRICAL STOVE.
													WITH VOICE MESSAGES, COMPLYING WITH NM RESIDENTIAL BUILDING CODE, AND 2019 NFPA 72	26.04	APPROXIMATE LOCATION OF EXTERIOR DISCONNECT/METER PER COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE CO FROM ACTUAL METER LOCATION TO PANELBOARD. SEE SITE PLAP
					Α		В						GEN. NOTES - 2 BR (MIRRORED)	27.01	UNDERGROUND CONDUIT FROM TELECOM UTILITY. SEE SITE PLA
СКТ	Circuit Description	Trip		4755	0000			Poles	Trip		escription	СКТ	GLIN. INOTES = 2 DIX (IVIIIXINOIXED)	27.02	APPROXIMATE LOCATION OF 12"X12"X6" BOX FOR FUTURE TELEC
1		25	2	1755	3600	1755	3600	2		DRYER		2	1 ALL WORK AND EQUIPMENT REFLECTED ON THIS SHEET IS PART OF UNIT PRICE C.	27.03	SITE PLAN FOR. RUN 2" CONDUIT BELOW SLAB TO MEDIA ENCLOS TERMINATE 1 1/2" COMMUNICATIONS CONDUIT IN BOTTOM OF REC
5	 GARBAGE DISPOSER	20		756	1116	1755	3000		20	 FURNACE, DA		6		21.05	STRUCTURED MEDIA ENCLOSURE, LEVITON 47605-140 SMC OR EQ
7	REFRIGERATOR	20	1	100	1110	780	102	1		WATER HEAT		8			DOOR COVER. PROVIDE RECEPTACLE IN ENCLOSURE.
9	MICROWAVE	20	1	1920	1200			1	-	DISHWASHER		10		27.04	RUN CAT5E LINE FROM THIS LOCATION TO STRUCTURED MEDIA E
11	REC - KITCH	20	1			1600	50	1	20	STOVE		12		27.05	RUN CABLE TV COAX FROM THIS LOCATION TO STRUCTURED MEE
13	REC - KITCH WALLS, HALL	20	1	720	4800			1	20	<b>REC - KITCH</b>		14		28.01	INTERCONNECT CARBON MONOXIDE SMOKE ALARMS AND POWEF CIRCUIT PER NFPA 72 REQUIREMENTS. TYPICAL.
15	REC - LIVING ROOM	20	1			720	900	1	20	REC - SMALL	BEDROOM	16			
17	REC - BATHROOM	20	1	180	900			1		REC - LARGE		18			
19	REC - EXTERIOR	20	1			360	1500	1		REC - WASHE		20			
	REC - UTILITY	20	1	540	161	077	05	1		LTG - KITCHE		22			
	LTG - LVG, BEDS, HALL,	20	1			277	85	1	20	LTG, FAN - BA	ATHROOM	24			
25 27												26 28			
27												30			
31												32			
33												34			
35												36			
37												38			
39												40			
41												42			
			tal Load:		851 VA		51 VA								
			al Amps:		45 A		6 A								
-	lassification	Co			Demand F		Dema			Panel	Totals				
Lightin	nce, Dwelling Unit		3120 VA 494 VA		100.00		3120 617 \		Tot	al Conn. Load:	28002 \/A				
Motor	9		5411 VA		125.00		6289			I Est. Demand:					
Other			102 VA		100.00		102 \		TULA		20300 VA				
Recept	acle		17920 V/	<b>\</b>	77.90%		13960								
Refrige			2280 VA		100.00		2280								
-	ercial Kitchen Equipment		50 VA		100.00		0			Total Conn.:	120 A				
	• • •		_						Tota	Est. Demand:					

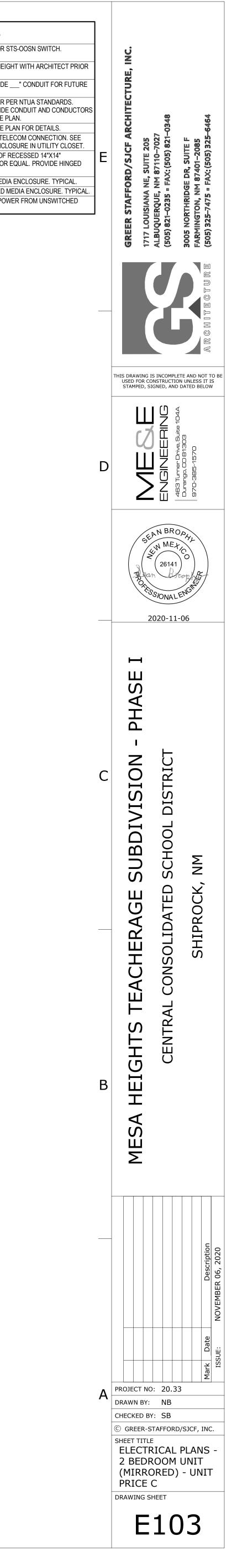


# X 🔵 )





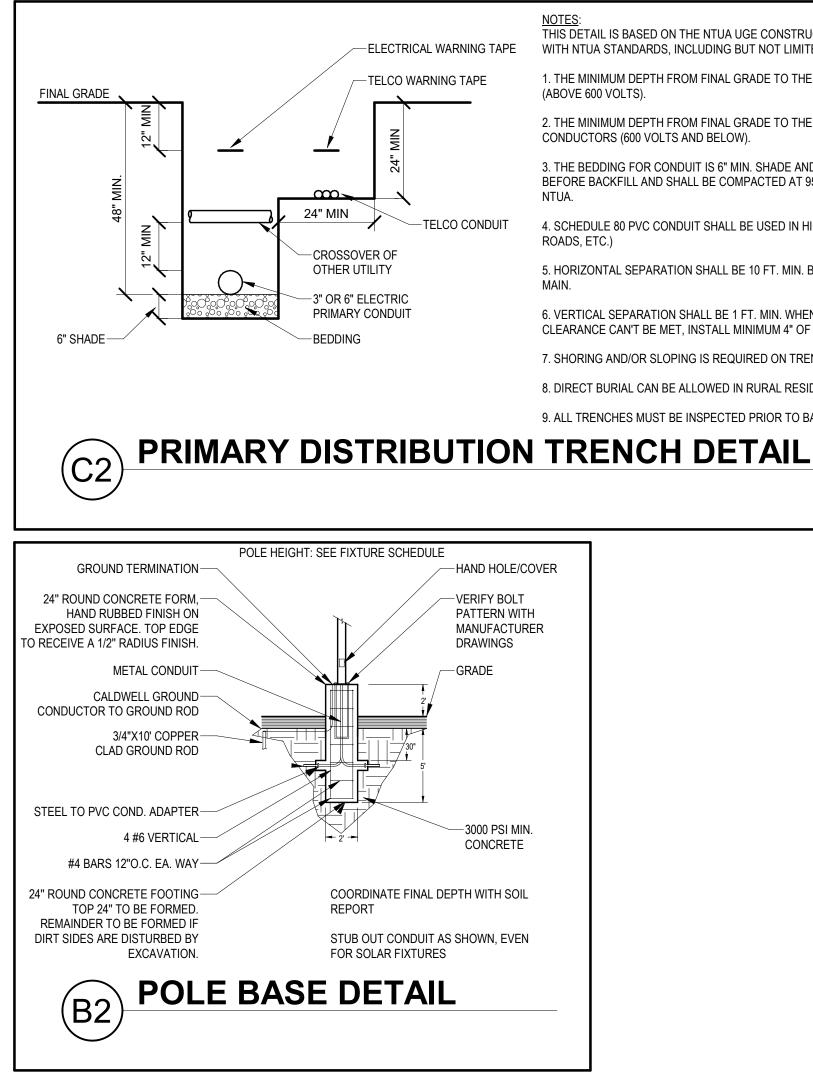
# A4 ELECTRICAL POWER PLAN - 2 BEDROOM (MIRRORED)



	Ζ		I				3		
		LIGHT	ING FIX	KTURE	E SCH	IEDI	JLE		
	1. Unless otherwise noted, all interior are to bottom of fixture. 3. This schedule					minimum 8	80 CRI, unless f	nigher CF	RI noted below. 2. All heights
TYPE	DESCRIPTION	MOUNTING	HEIGHT	MAKE	MODEL	WATTS	LUMENS	CRI	NOTES
А	8" SLIM ROUND DISK	SURFACE	CEILING	AFX	EGRF	16	1000	90	
В	27" RESTROOM VANITY	WALL	7' 6" AFF	AFX	SNV	26	2000	90	
С	SWITCHED PORCH LIGHT	WALL	7' AFF	AFX	NWPW	10	880	80	
D	ROUND PENDENT	PENDENT	10' AFF	AFX	APP	30	2400	90	
F	55" LED TRACK LIGHTING	SUSPENDED TRACK	8' AFF	AFX	CRRF	37	2700	90	
G	22" UNDER CABINET	CABINET	CABINET	AFX	KNLU	11	650	90	INTEGRAL SWITCH
Н	CEILING FAN	PENDENT	8" AFF	OXYGEN	SOL	41	1000	90	
К	8" PENDENT	PENDENT	8' AFF	AFX	HTP	60	800	90	
М	12" PENDENT	PENDENT	7' AFF	AFX	CLEP	60	800	90	
S3	SOLAR POWERED STREETLIGHT TYPE 3 DISTRIBUTION.	POLE	20' AFG	SOTECH	CEGOINIA	30	6000	70	

# MECHANICAL EQUIPMENT CONNECTION SCHEDULE

	1. Confirm neutral conductor requirement ing must be by	ts with equipment	t installer pric	or to in	stalling b	oranch circu	its. 2. All VFDs ar	e provided by mechanical contractor and installed by electrical contractor, but VFD startup and
UNIT	DESCRIPTION	ELECTRICAL	HP F	LA	MCA	CB AT PANEL	DISC. AT UNIT	CONDUCTORS/CONDUIT NOTES
CU2	CONDENSING UNIT - 2 BEDROOM	240 V/2-3510 VA	14.	.625	16.7	25 A	NEMA 3R	#10CU + #10CU EGC IN 1/2" C
CU3	CONDENSING UNIT - 3 BEDROOM	240 V/2-4680 VA	19	9.5	23.6	40 A	NEMA 3R	#8CU + #10CU EGC IN 3/4" C
СХ	CEILING EXHAUSTER	120 V/1-29 VA	1/20			15 A	WALL SWITCH	#12CU + #12CU EGC IN 1/2" C
F2	FURNACE - 2 BEDROOM	120 V/1-1096 VA	9.	0.13	10.3	15 A	SWITCH	#12CU + #12CU EGC IN 1/2" C
F3	FURNACE - 3 BEDROOM	120 V/1-1486 VA	12	2.38	12.9	15 A	SWITCH	#12CU + #12CU EGC IN 1/2" C
GD	GARBAGE DISPOSER	120 V/1-756 VA	1/2			0 A	CORD AND PLUG	#12CU + #12CU EGC IN 1/2" C CONNECT TO INSINKERATOR STS-OOSN SWITCH. COORDINATE WITH GC
HW	WATER HEATER	120 V/1-50 VA	FRACT			15 A	SWITCH	#12CU + #12CU EGC IN 1/2" C
MD	MECHANICAL DAMPER	120 V/1-20 VA	FRACT			0 A	SWITCH	#12CU + #12CU EGC IN 1/2" C CONNECT 24V TRANSFORMER SUPPLIED BY MECHANICAL.
RP	RECIRC PUMP	120 V/1-52 VA	FRACT			15 A	SWITCH	#12CU + #12CU EGC IN 1/2" C



2

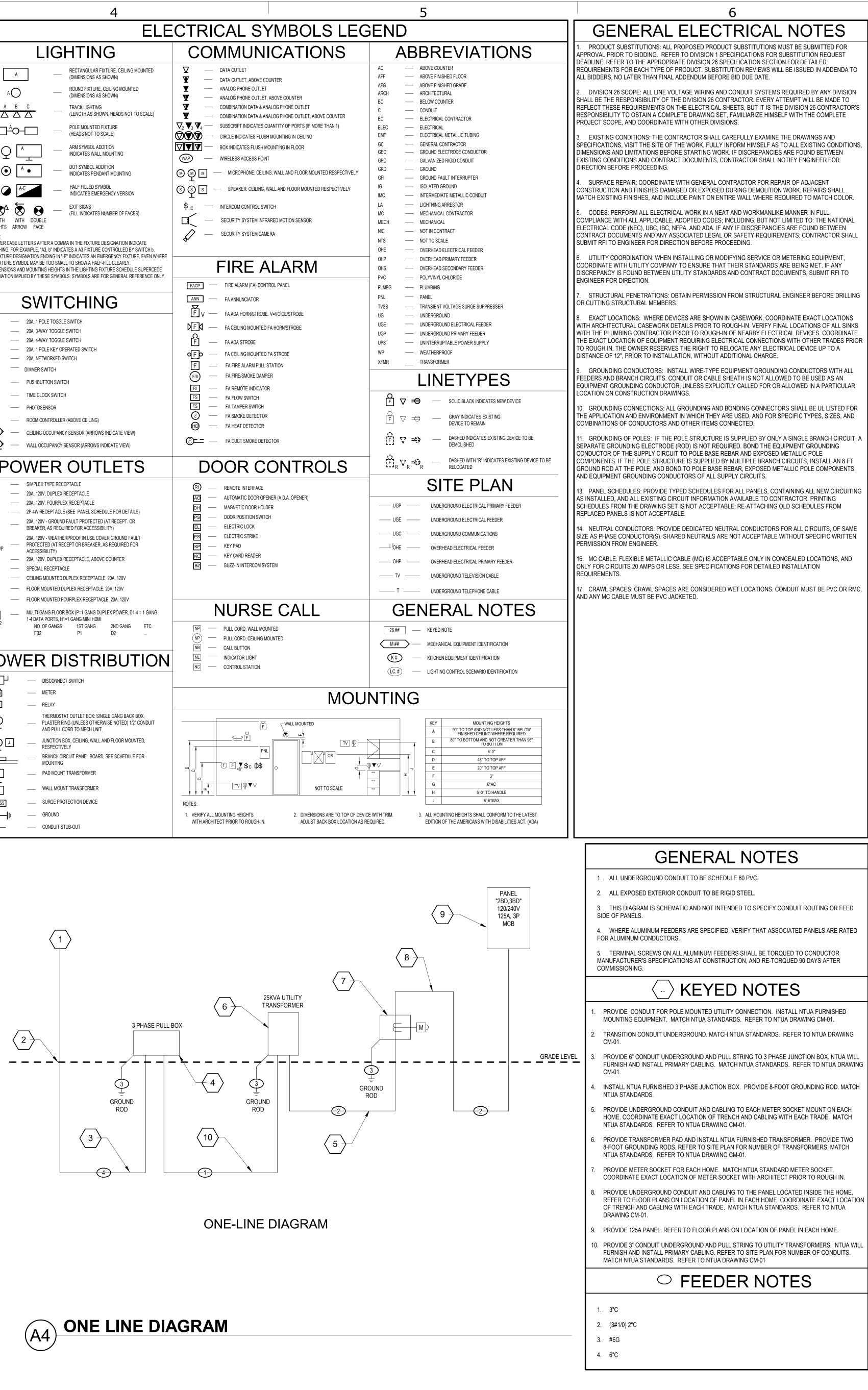
2

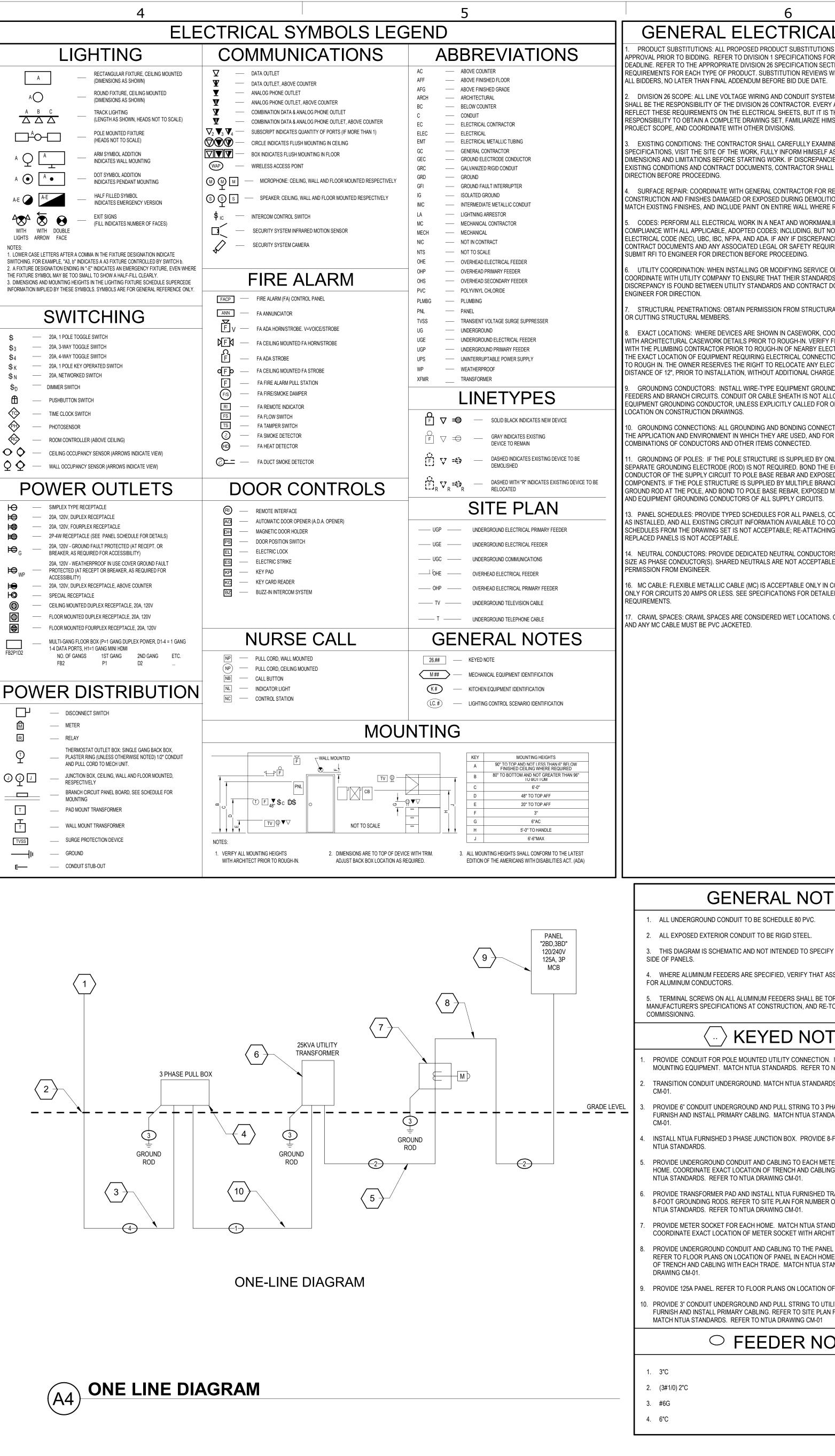
lectrical contractor but VED with equipment installer prior to installing branch circuits 2 All VED

		LI	Gł	HTING					
[	A			RECTANGULAR FIXTURE, CEILING MOUNTED (DIMENSIONS AS SHOWN)					
	AO			ROUND FIXTURE, CEILING MOUNTED (DIMENSIONS AS SHOWN)					
A	B A			TRACK LIGHTING (LENGTH AS SHOWN, HEADS NOT TO SCALE)					
	<sup>A</sup> O-			POLE MOUNTED FIXTURE (HEADS NOT TO SCALE)	6				
A Ç		_		ARM SYMBOL ADDITION INDICATES WALL MOUNTING					
A (		•		DOT SYMBOL ADDITION INDICATES PENDANT MOUNTING	(				
A-E	A-1			HALF FILLED SYMBOL INDICATES EMERGENCY VERSION	(				
WITH	WITH			EXIT SIGNS (FILL INDICATES NUMBER OF FACES)					
SWITCHING 2. A FIXTU THE FIXTU 3. DIMENS	G. FOR EX RE DESIO RE SYMB IONS AND	(AMPLE, "A3, b" GNATION ENDIN OL MAY BE TOO MOUNTING HE	INDICA G IN "-E D SMALL EIGHTS I	A IN THE FIXTURE DESIGNATION INDICATE IFES A A3 FIXTURE CONTROLLED BY SWITCH b. ' INDICATES AN EMERGENCY FIXTURE, EVEN WHERE . TO SHOW A HALF-FILL CLEARLY. N THE LIGHTING FIXTURE SCHEDULE SUPERCEDE S. SYMBOLS ARE FOR GENERAL REFERENCE ONLY.					
	(	SWI	Т	CHING	-				
\$ \$3 \$4 \$ K \$ N	\$         —         20A, 1 POLE TOGGLE SWITCH           \$3         —         20A, 3-WAY TOGGLE SWITCH           \$4         —         20A, 4-WAY TOGGLE SWITCH           \$K         —         20A, 1 POLE KEY OPERATED SWITCH								
\$ <sub>D</sub>		DIMMER SWITC	СН						
⊞		PUSHBUTTON	I SWITC	1					
		TIME CLOCK S	SWITCH						
PH		PHOTOSENSO	OR						
RC	—	ROOM CONTR	OLLER	(ABOVE CEILING)					
$\circ \diamond$		CEILING OCCU	JPANCY	SENSOR (ARROWS INDICATE VIEW)					
ŶŶ	—	WALL OCCUP	ANCY SI	ENSOR (ARROWS INDICATE VIEW)					
P	°O	WE	R	OUTLETS					
₽ ₽ ₽ ₽		2P-4W RECEP	PLEX RI URPLEX TACLE	ECEPTACLE RECEPTACLE SEE PANEL SCHEDULE FOR DETAILS)					
₩ <sub>G</sub>				FAULT PROTECTED (AT RECEPT. OR RED FOR ACCESSIBILITY)					
€			AT REC	PROOF IN USE COVER GROUND FAULT EPT OR BREAKER, AS REQUIRED FOR					

NOTES: THIS DETAIL IS BASED ON THE NTUA UGE CONSTRUCTION STANDARDS DATED 2014. ALL UTILITY WORK SHALL CONFORM ELECTRICAL WARNING TAPE WITH NTUA STANDARDS, INCLUDING BUT NOT LIMITED TO DRAWINGS CM-05 AND CM-05A 1. THE MINIMUM DEPTH FROM FINAL GRADE TO THE BOTTOM CONDUIT SHALL BE 48" FOR HIGH VOLTAGE CONDUCTORS (ABOVE 600 VOLTS). 2. THE MINIMUM DEPTH FROM FINAL GRADE TO THE BOTTOM OF CONDUIT SHALL BE 36" FOR LOW VOLTAGE CONDUCTORS (600 VOLTS AND BELOW). 3. THE BEDDING FOR CONDUIT IS 6" MIN. SHADE AND SHALL BE FREE OF DEBRIS, APPROVED BY AN NTUA INSPECTOR BEFORE BACKFILL AND SHALL BE COMPACTED AT 95% PROCTOR OR GREATER. TESTING SHALL BE SUBMITTED TO 4. SCHEDULE 80 PVC CONDUIT SHALL BE USED IN HIGH TRAFFIC AREAS AS SPECIFIED BY NTUA (I.E. PARKING LOTS, ROADS, ETC.) 5. HORIZONTAL SEPARATION SHALL BE 10 FT. MIN. BETWEEN ELECTRIC PRIMARY, GAS MAIN, SEWER MAIN, OR WATER

6. VERTICAL SEPARATION SHALL BE 1 FT. MIN. WHEN CROSSING ELECTRIC PRIMARY WITH OTHER UTILITIES. IF CLEARANCE CAN'T BE MET, INSTALL MINIMUM 4" OF CONCRETE SLURRY IN BETWEEN UTILITY CONDUITS. 7. SHORING AND/OR SLOPING IS REQUIRED ON TRENCH DEPTHS GREATER THAN 48" AS REQUIRED BY THE NESC. 8. DIRECT BURIAL CAN BE ALLOWED IN RURAL RESIDENTIAL AREAS WITH PRIOR ENGINEERING APPROVAL (SEE CM-05C) 9. ALL TRENCHES MUST BE INSPECTED PRIOR TO BACKFILL





5

