

SAN JUAN COUNTY

DETENTION CENTER TRAINING & WELLNESS FACILITY



BID #22-23-10



RODAHL & HUMMELL ARCHITECTURE, P.C.
609 NORTH DUSTIN
FARMINGTON, N.M. (505)326-6442 (PHONE)

INDEX OF DRAWINGS

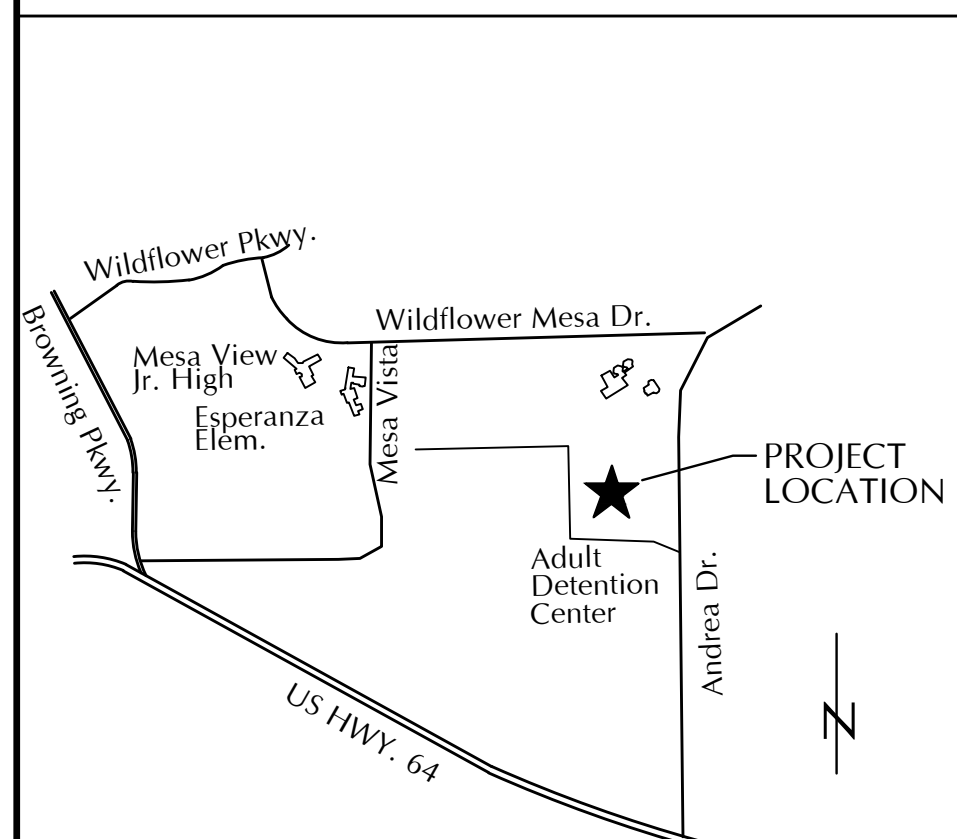
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VICINITY MAP

PROJECT CONSULTANTS

PROJECT DATA



CIVIL ENGINEER
CHENEY-WALTERS-ECHOLS
909 W. APACHE
FARMINGTON, NM 87401
505-327-3303

STRUCTURAL ENGINEER
WILSON STRUCTURAL ENGINEERING
1235 THOROUGHFBRED RD.
DURANGO CO 81301
970-385-6774/970-385-6774 FAX.

ELECTRICAL ENGINEER
VELARDE ENGINEERING, INC.
7008 VISTA DEL ARROYO N.E.
ALBUQUERQUE, NM 87109
505.720.6016

MECHANICAL ENGINEER
WALKER CONSULTING ENGINEERS
1173 LAUREL LOOP, NE
ALBUQUERQUE, NM 87122
505.856.1783

APPLICABLE CODES:
2015 INTERNATIONAL BUILDING CODE
2012 UNIFORM MECHANICAL CODE
2014 NATIONAL ELECTRICAL CODE
2009 INTERNATIONAL FIRE CODE
2012 UNIFORM PLUMBING CODE
CABO/ANSI A 117.1-2009
2015 NEW MEXICO COMMERCIAL BUILDING CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2015 INTERNATIONAL EXISTING BUILDING CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE

OCCUPANCY TYPE (PER SECTION 302): B/R3
CONSTRUCTION TYPE (PER TABLE 601): II-B

MAX. ALLOWABLE SQUARE FOOTAGE
PER FLOOR: (PER TABLE 503)
BASIC: 92,000 S.F.
FRONTAGE INCREASE: 75%=69,000 S.F.
(PER 506.2)

TOTAL ALLOWABLE : 161,000 S.F.
AN AUTOMATIC FIRE SUPPRESSION SYSTEM IS INSTALLED IN
ENTIRE BUILDING PER NFPA 13 REQUIREMENTS AND
CHAPTER 9, 20015 I.B.C.

BUILDING AREA: 5,980 S.F.

OCCUPANT LOAD:
CLASSROOM: 900 S.F. / 20 = 45
OFFICE: 1,172 S.F. /100 = 12
BEDROOMS: 1 PER ROOM / 20 = 4
FITNESS: 1,257 S.F. / 50 = 25
TOTAL : 86

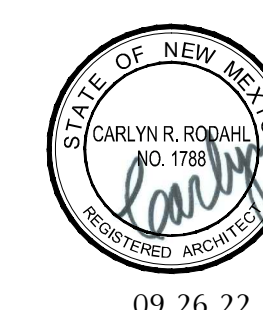
PLUMBING FIXTURE REQUIREMENTS: 86= 43 MALE/43 FEMALE
(PER TABLE 2902.1)

REQUIRED:
MEN: 2 WC/1 LAV
WOMEN: 2 WC/1 LAV
GROUP: 1 DF

PROVIDED:
MEN: 2 WC/2 UR/3 LAV
WOMEN: 3 WC/3 LAV
GROUP: 1 DF

PROPERTY OWNER: SAN JUAN COUNTY
PROPERTY ADDRESS: 871 ANDREA DRIVE
FARMINGTON, NM 87401
PROJECT ZONING: RA
ADJACENT ZONING: SOUTH/WEST: IND, EAST/NORTH: RE-20

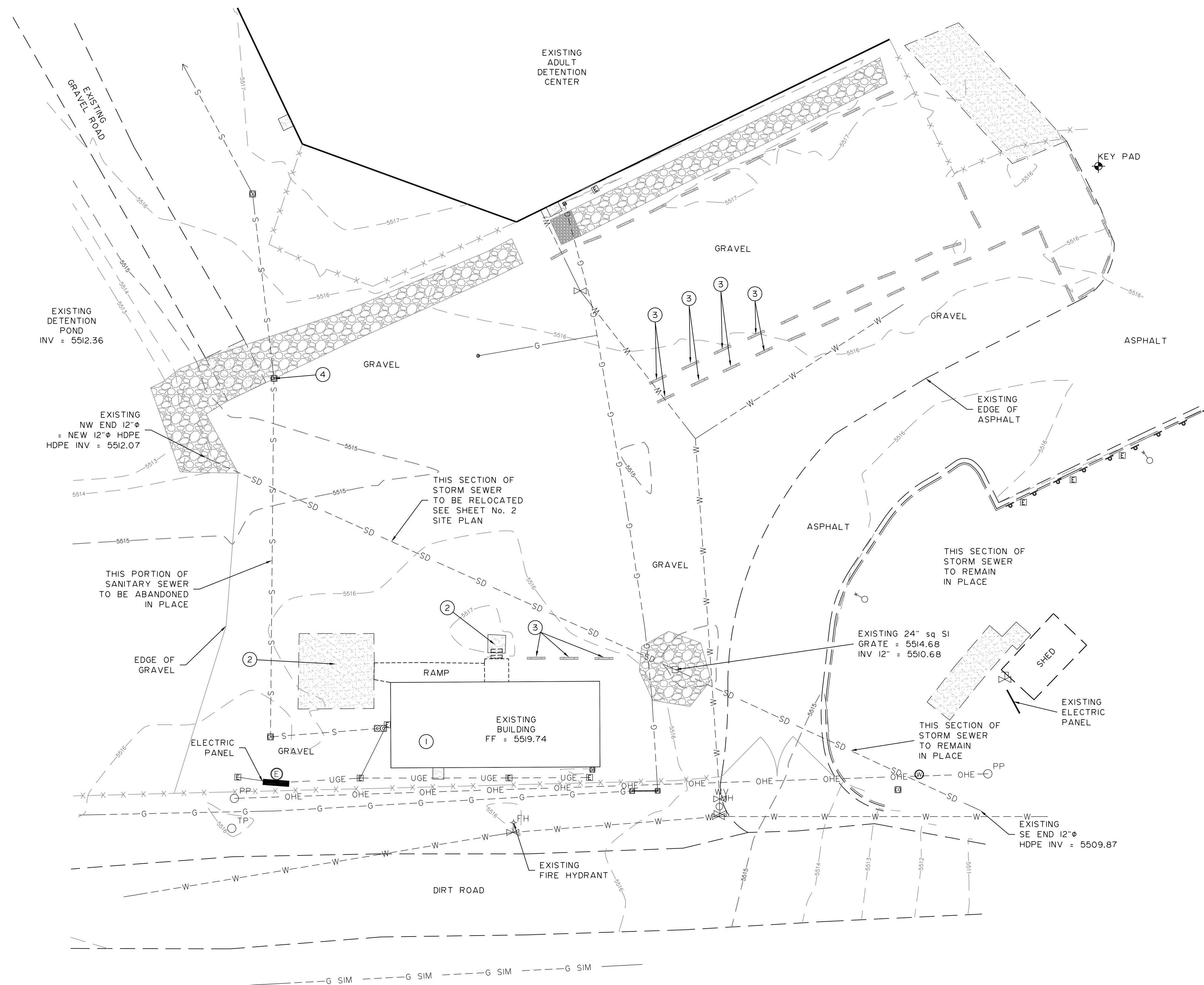
PARKING REQUIREMENTS
(C.O.F. DEVELOPMENT STANDARDS, SECTION 5.2.3)
REQUIRED: THIS IS AN ACCESSORY USE BUILDING FOR THE
ADULT DETENTION CENTER STAFF. REQUIRED
PARKING IS PROVIDED ON THE ADJACENT
GROUNDS.
(2) NEW HANDICAPPED PARKING SPACES WILL
BE PROVIDED ADJACENT TO THE NEW BUILDING.



DATE:
09.26.22

PROJ. No. 220202

09.26.22



KEYED DEMOLITION NOTES:

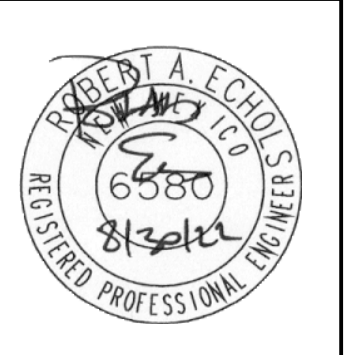
- ① EXISTING BUILDING AND RAMP TO BE REMOVED BY GENERAL CONTRACTOR. (SEE BID ALTERNATE 1 - SECTION 01 2000)
- ② EXISTING CONCRETE SLAB TO BE REMOVED BY GENERAL CONTRACTOR.
- ③ REMOVE EXISTING PARKING BLOCKS AND SALVAGE FOR OWNER.
- ④ BEGIN ABANDONMENT OF EXISTING SEWER LINE AT EXISTING CLEAN OUT. SEE SHEET No. 2 FOR NEW SEWER LINE CONTINUATION.

CONSTRUCTION NOTES:

1. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE AND MATERIAL OF ALL EXISTING UTILITIES SHOWN AND LOCATION OF OTHER UTILITIES BY ADG.
2. CONTRACTOR TO COORDINATE WITH SAN JUAN COUNTY ON THE REMOVAL OF ITEMS SHOWN ON THIS PLAN.
3. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO INTERRUPTING ANY UTILITY SERVICE TO EXISTING BUILDING.
4. ALL UTILITY SERVICE LINES TO EXISTING DETENTION CENTER SHALL BE PROTECTED.

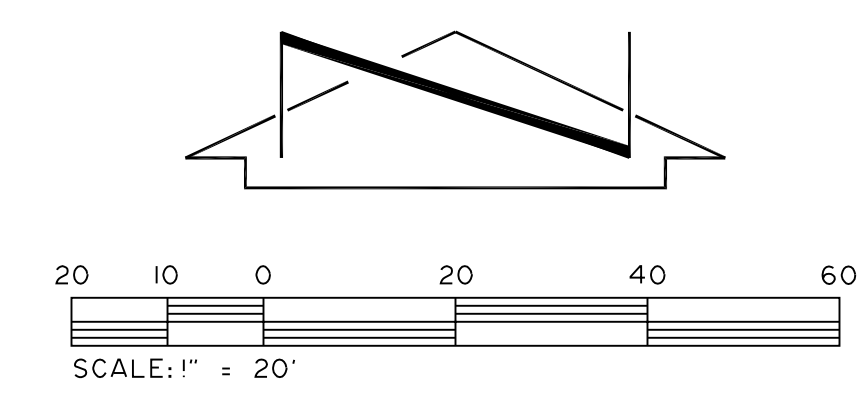
DATE	REVISION	BY
08/29/22	EDIT KEYED NOTES No. 1 & 2 & RENUM SHT	HWS

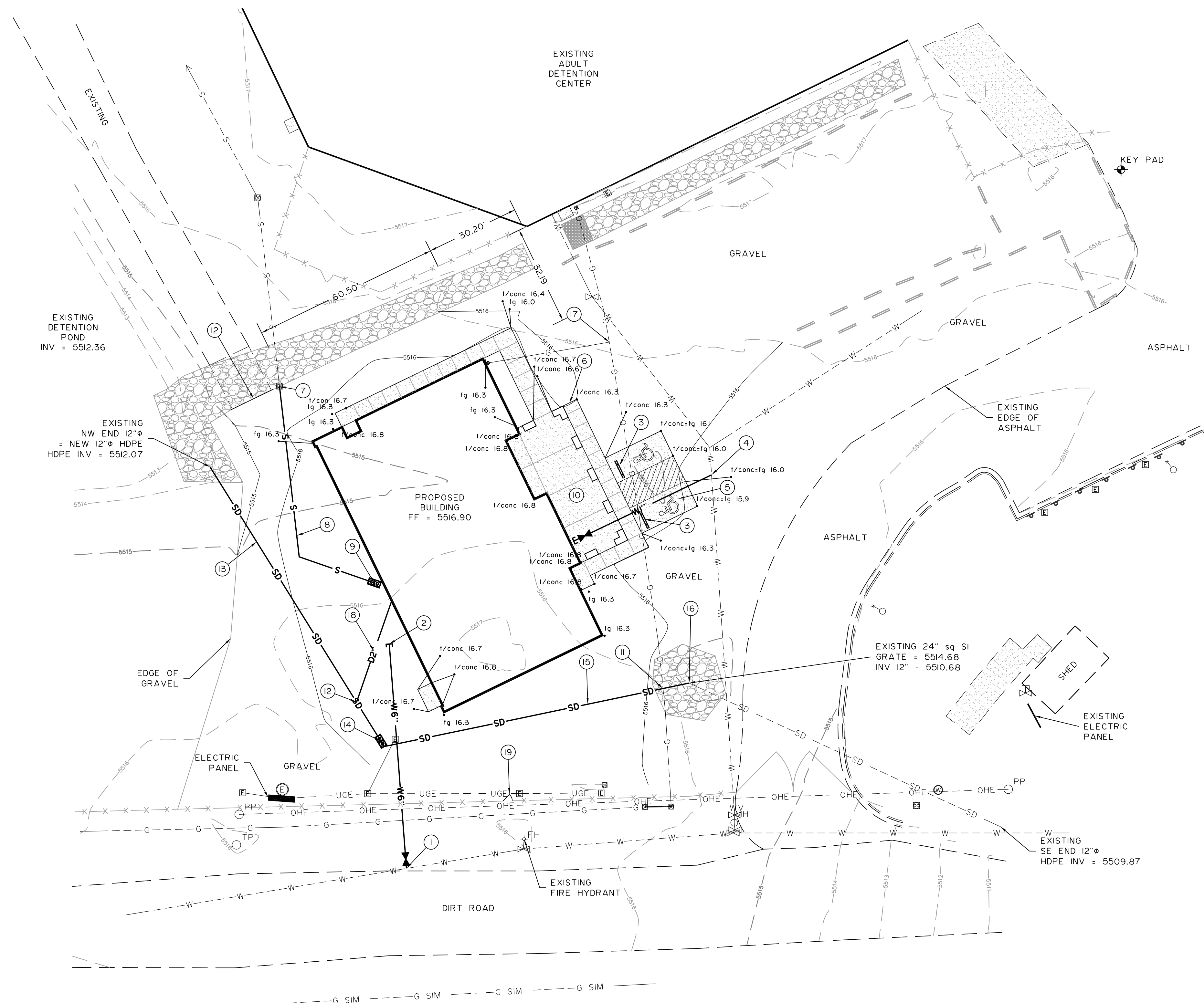
CHENEY WALTERS ECHOLS & ENGINEERS SURVEYORS
 909 W. APACHE - FARMINGTON, NEW MEXICO 87401 • (505)327-3503
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DEMOLITION PLAN
 SAN JUAN COUNTY ADULT DETENTION CENTER
 TRAINING AND WELLNESS CENTER
 FARMINGTON, NEW MEXICO

DATE: 08/04/2022
 DRAWN BY: HWS
 PROJ: 22226
 SCALE: 1" = 20'
 FILE: 22226SET-080422
 SHEET
 C1
 OF
 3



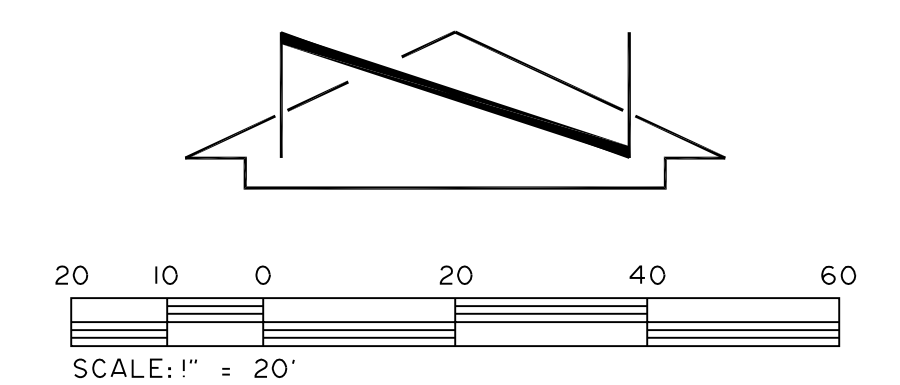


KEYED NOTES:

1. INSTALL 8"x8"x6" TEE WITH ON 6" GATE VALVE IN VALVE BOX ON EXISTING WATER LINE. CONTRACTOR TO FIELD VERIFY EXISTING WATER LINE SIZE PRIOR TO CONSTRUCTION. SEE COF DETAILS D-201 I-2, D-203 I-2.
2. 72.6' - 6" C900 DR18 PVC FIRE PROTECTION LINE TO WITHIN 5.0' OF PROPOSED BUILDING. SEE MECHANICAL PLANS FOR FIRE RISER AND BACK FLOW LOCATION IN BUILDING.
3. INSTALL TRAFFIC BUMPER. USE EXISTING SALVAGED BUMPERS FROM PARKING LOT.
4. INSTALL 4"x4"x2" TEE WITH 1 - 2" GATE VALVE IN VALVE BOX FOR NEW WATER SERVICE TO WITHIN 5.0' OF PROPOSED BUILDING. SEE COF DETAIL D-203. CONTRACTOR TO FIELD VERIFY EXISTING WATER LINE SIZE AND LOCATION PRIOR TO CONSTRUCTION. SEE SHEET P2 WATER AND GAS PLAN FOR CONTINUATION.
5. NEW 6" CONCRETE APPROACH SLAB - 4500-psi CONCRETE. MAXIMUM GRADE 2.0% IN ALL DIRECTIONS. SEE DETAIL 2/3.
6. NEW 4" CONCRETE SIDEWALK 5.0' WIDE - 4500 psi CONCRETE. MAXIMUM GRADE 2.0% IN ALL DIRECTIONS. SEE DETAIL 2/3.
7. CONNECT NEW 4" PVC SEWER LINE TO EXISTING CLEAN OUT. CONTRACTOR TO FIELD VERIFY LINE SIZE, LOCATION AND DEPTH PRIOR TO CONSTRUCTION. SEE COF DETAIL D-109. THIS INVERT ELEVATION SHALL DETERMINE THE INVERT ELEVATION OF THE NEW TWO WAY CLEAN OUT WITHIN 5.0' OF BUILDING WITH THE NEW SERVICE LINE @ MINIMUM 2.0% SLOPE GRADE.
8. 81.0' - 4" PVC SEWER LINE WITH A MINIMUM 2.0% SLOPE GRADE.
9. INSTALL TWO WAY CLEAN OUT WITHIN 5.0' OF BUILDING WITH INVERT = 5513.50. SEE DETAIL 1/3. SEE SHEET P1 WASTE PIPING PLAN FOR CONTINUATION.
10. MAXIMUM GRADE IN ALL DIRECTION OF CONCRETE ENTRANCE AND HANDICAP PARKING SHALL NOT EXCEED 2.0% GRADE.
11. PRIOR TO CONSTRUCTION CONTRACTOR TO FIELD VERIFY EXISTING GAS LINE DEPTH AND ENSURE MINIMUM CLEARANCE WITH NEW STORM DRAIN LINE.
12. 12"x12"x2" WYE WITH AN INVERT ELEVATION = 5511.62.
13. 106.2' - 12" HDPE PIPE @ 0.5% SLOPE GRADE. (REUSE EXISTING PIPE IF NOT DAMAGED.)
14. INSTALL 45° BEND WITH TWO WAY CLEAN OUT INVERT = 5511.53. CONTRACTOR TO FIELD VERIFY UNDERGROUND ELECTRIC PRIOR TO CONSTRUCTION TO ENSURE MINIMUM CLEARANCE FROM STORM DRAIN.
15. 100.4' - 12" HDPE PIPE @ 0.5% SLOPE GRADE.
16. RECONSTRUCT DRAIN BOX WITH NEW 12" HDPE PIPE INVERT IN = 5511.03. AND 12" HDPE EXISTING PIPE INVERT OUT = 5510.68, GRATE EL = 5514.68.
17. PROPOSED GAS LINE TAP AND GAS METER LOCATION. SEE SHEET P2 WATER AND GAS PLAN FOR CONTINUATION.
18. 34.7' - 2" PVC PIPE FOR FIRE LINE DRAIN CONNECTED TO STORM DRAIN PIPE.
19. INSTALL NEW 3.0' WIDE BY 6.0' HIGH GATE IN EXISTING FENCE LINE. PROVIDE NEW 2-3/8" POST AS NEEDED WITH SIDE BRACING. MATCH EXISTING CHAIN LINK WITH NEW CHAIN LINK GATE. PROVIDE KNOX LOCK MODEL 3782 ON GATE LATCH. MODIFY EXISTING FENCE AS NEEDED.

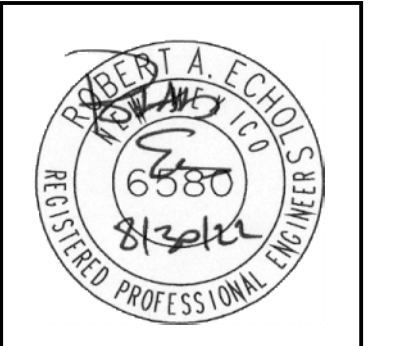
CONSTRUCTION NOTES:

1. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE AND MATERIAL OF ALL EXISTING UTILITIES SHOWN AND LOCATION OF OTHER UTILITIES BY ADC.
2. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO INTERRUPTING ANY UTILITY SERVICE TO EXISTING BUILDING.
3. ALL EARTHWORK TO BE COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT DATED JUNE 27, 2022, PREPARED BY GEOMAT, INC.
4. ALL UTILITY SERVICE LINES TO EXISTING DETENTION CENTER SHALL BE PROTECTED.



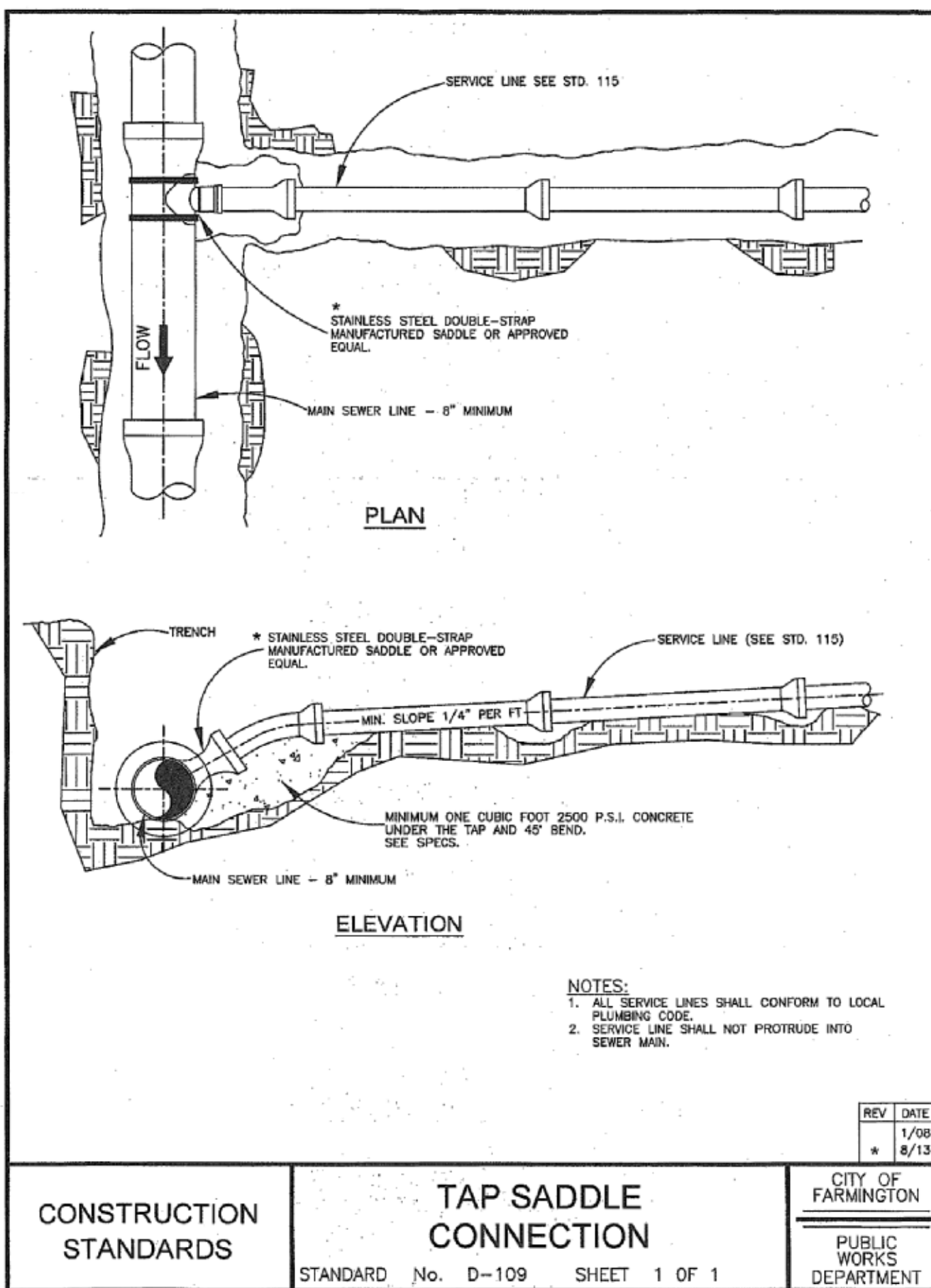
DATE	REVISION	BY
08/29/22	ADD KEYED NOTES No. 19 & RENUM. SHT	HWS

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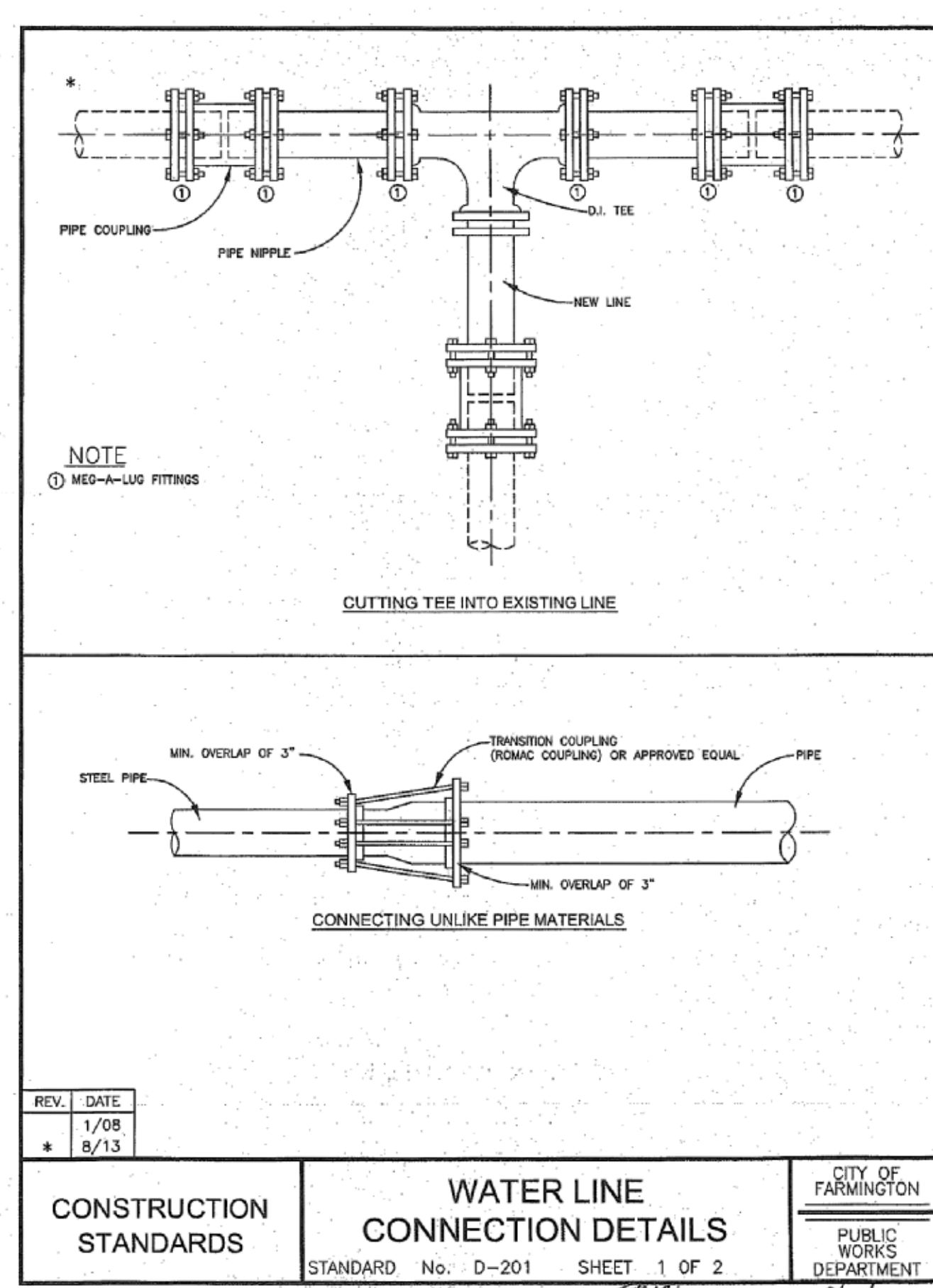


SITE GRADING AND UTILITY PLAN
SAN JUAN COUNTY ADULT DETENTION CENTER
TRAINING AND WELLNESS CENTER
FARMINGTON, NEW MEXICO

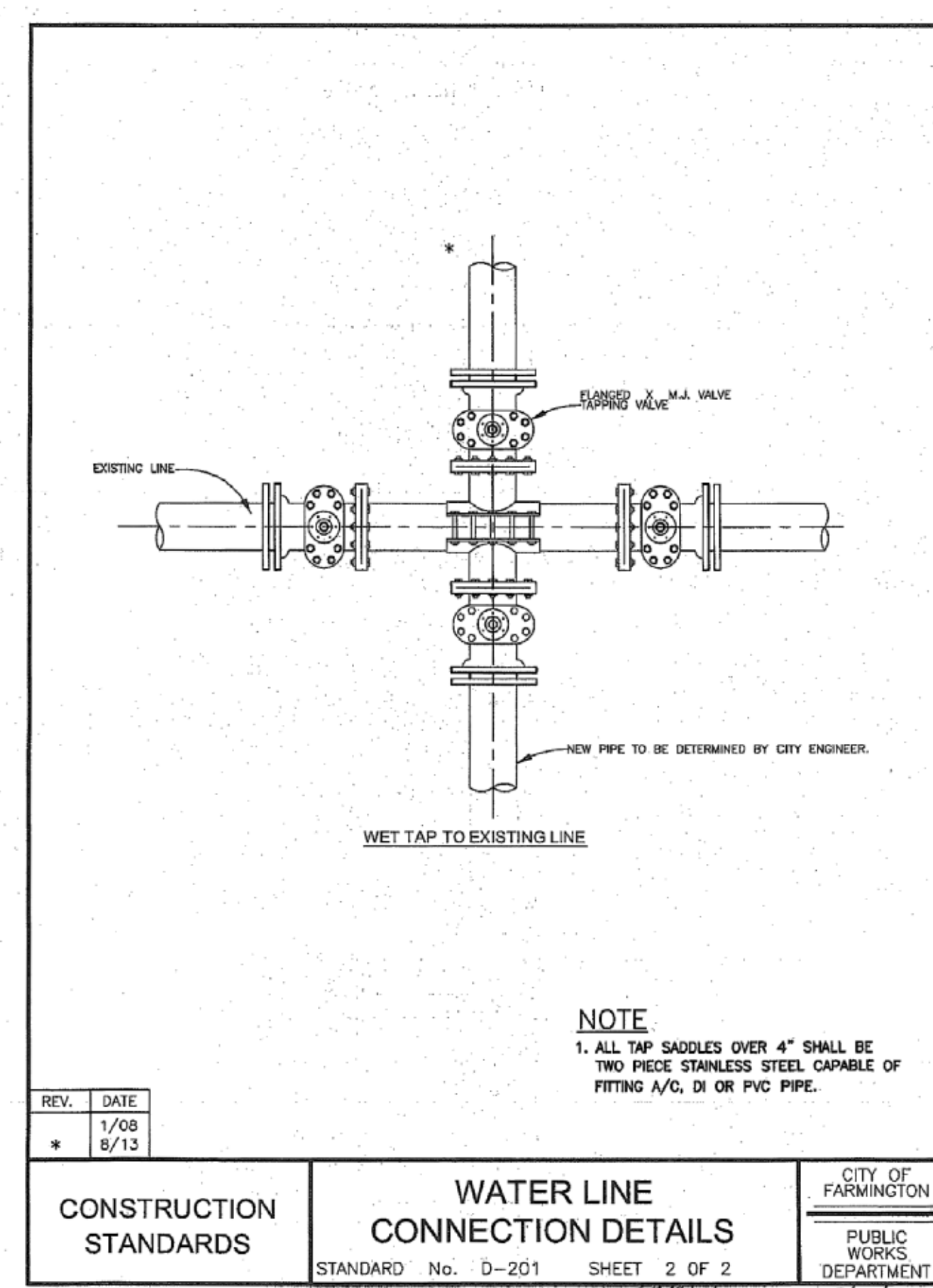
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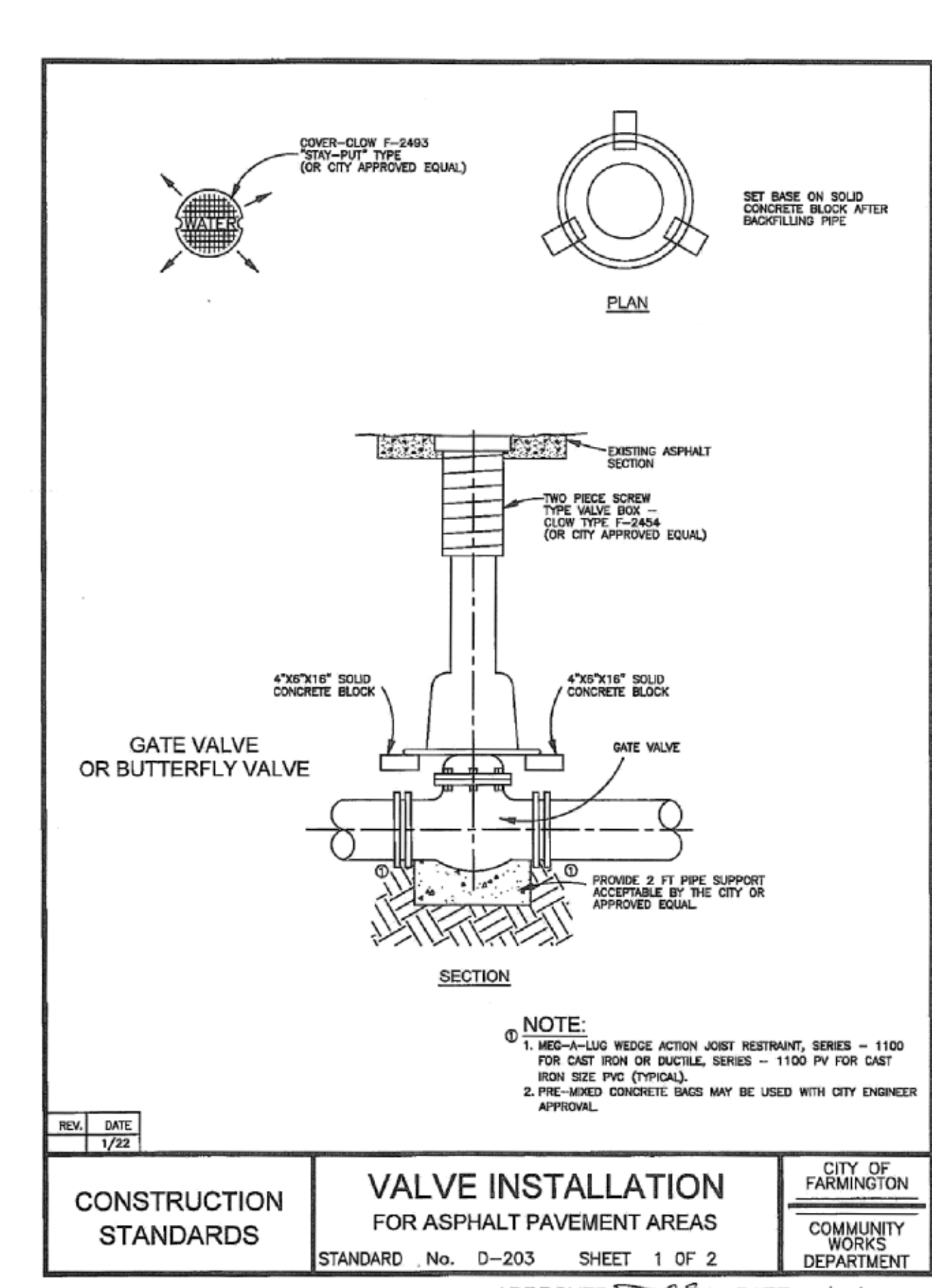
CONSTRUCTION STANDARDS	TAP SADDLE CONNECTION	CITY OF FARMINGTON
STANDARD No. D-109	SHEET 1 OF 1	PUBLIC WORKS DEPARTMENT
APPROVED: <i>[Signature]</i> DATE: 8/27/13		



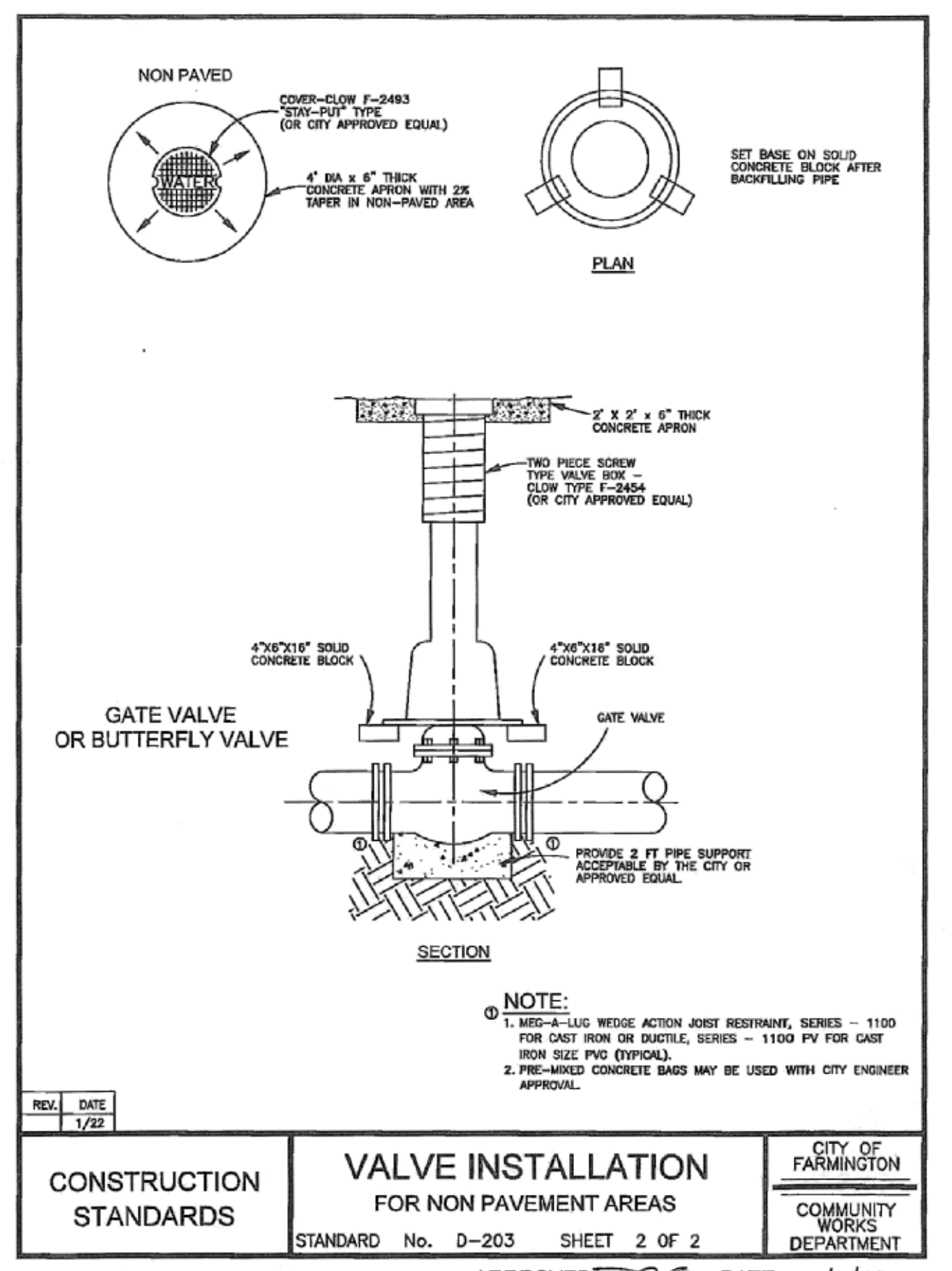
CONSTRUCTION STANDARDS	WATER LINE CONNECTION DETAILS	CITY OF FARMINGTON
STANDARD No. D-201	SHEET 1 OF 2	PUBLIC WORKS DEPARTMENT
APPROVED: <i>[Signature]</i> DATE: 8/27/13		



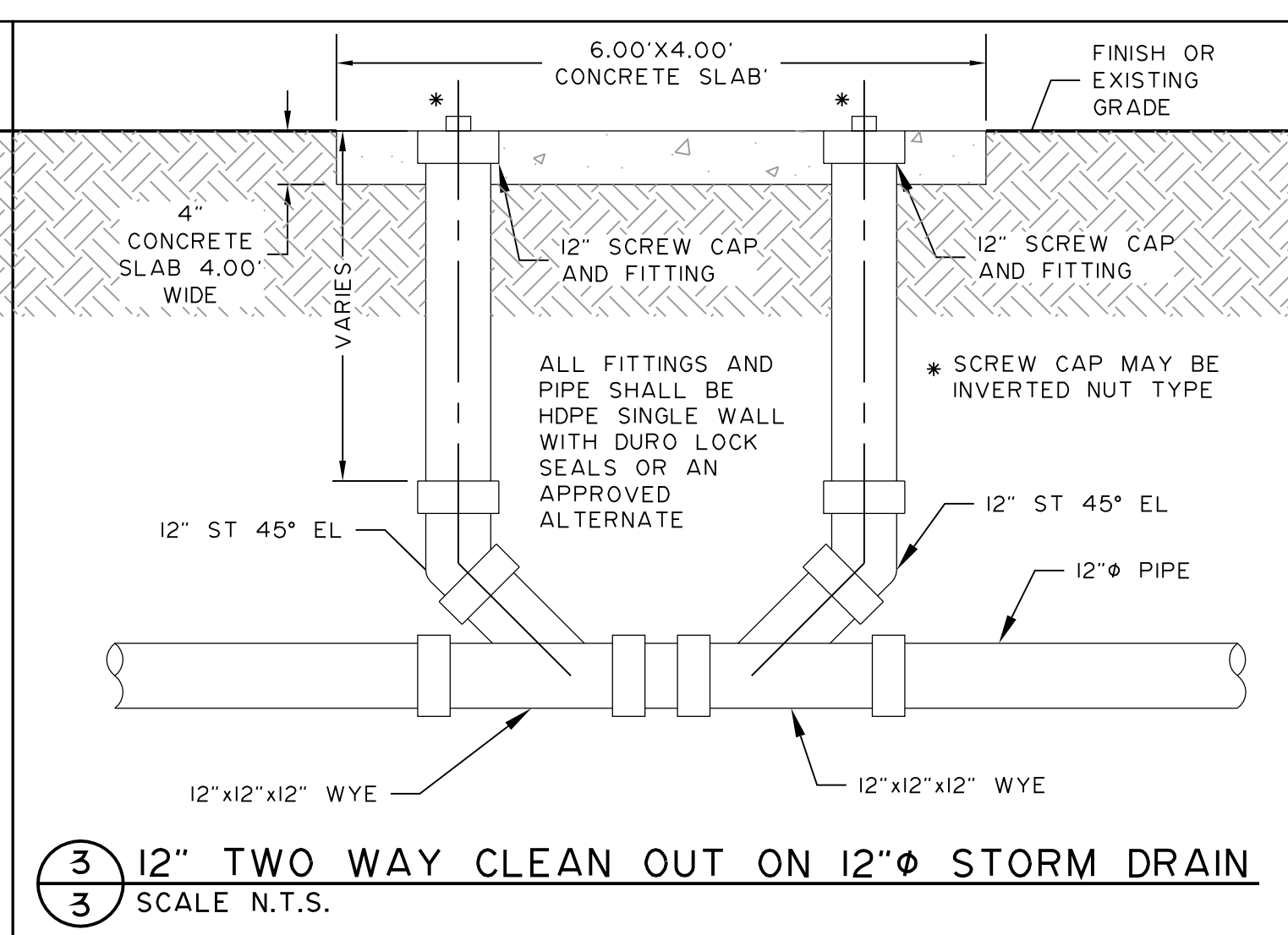
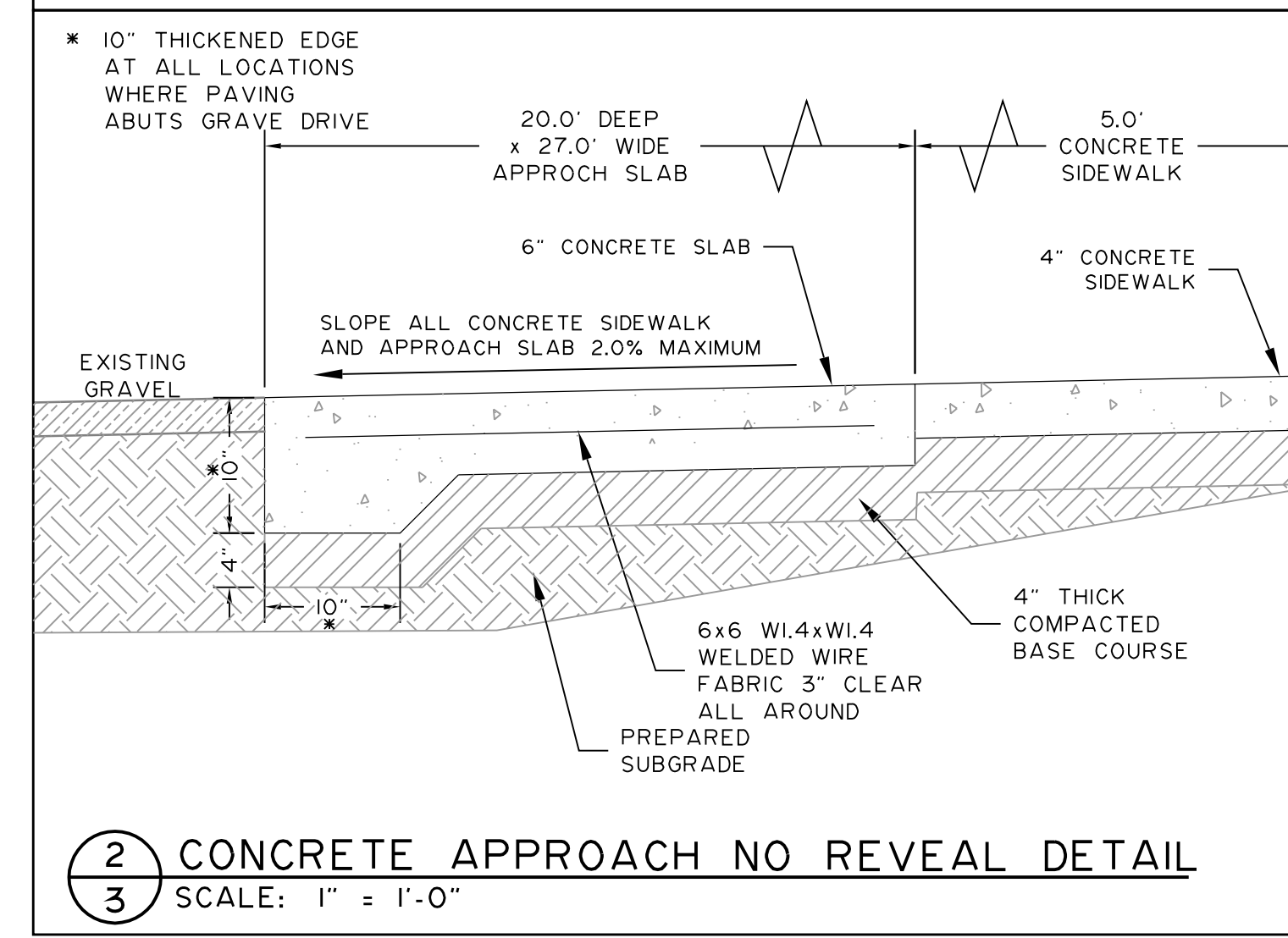
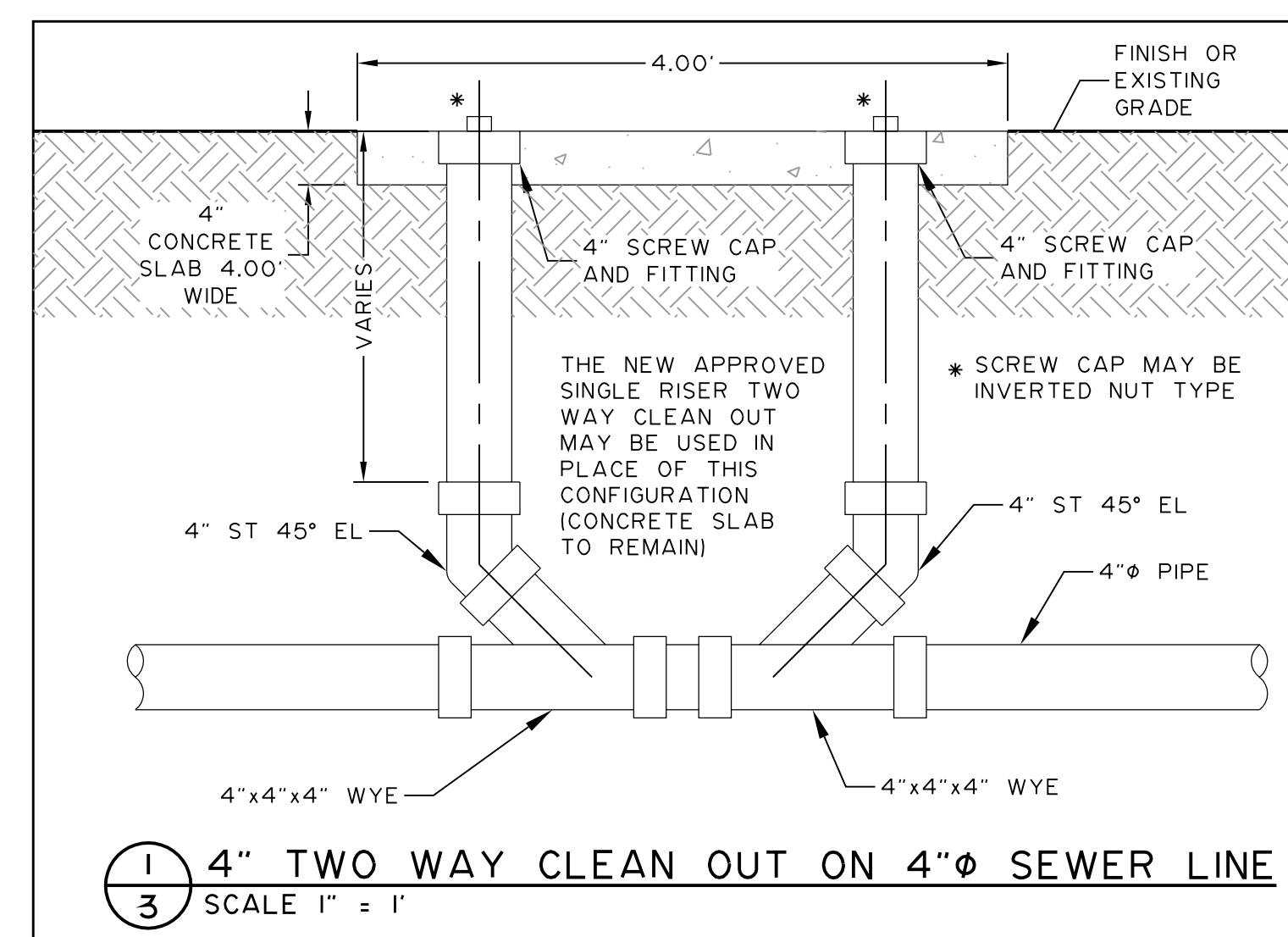
CONSTRUCTION STANDARDS	WATER LINE CONNECTION DETAILS	CITY OF FARMINGTON
STANDARD No. D-201	SHEET 2 OF 2	PUBLIC WORKS DEPARTMENT
APPROVED: <i>[Signature]</i> DATE: 8/27/13		



CONSTRUCTION STANDARDS	VALVE INSTALLATION FOR ASPHALT PAVEMENT AREAS	CITY OF FARMINGTON
STANDARD No. D-203	SHEET 1 OF 2	COMMUNITY WORKS DEPARTMENT
APPROVED: <i>[Signature]</i> DATE: 02/10/12		

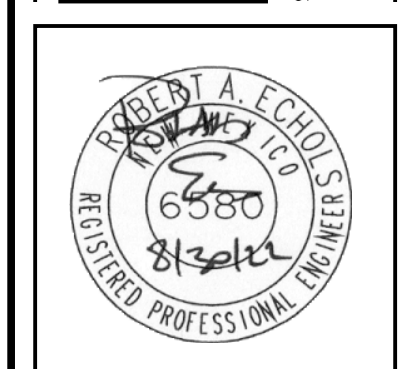


CONSTRUCTION STANDARDS	VALVE INSTALLATION FOR NON PAVEMENT AREAS	CITY OF FARMINGTON
STANDARD No. D-203	SHEET 2 OF 2	COMMUNITY WORKS DEPARTMENT
APPROVED: <i>[Signature]</i> DATE: 02/10/12		



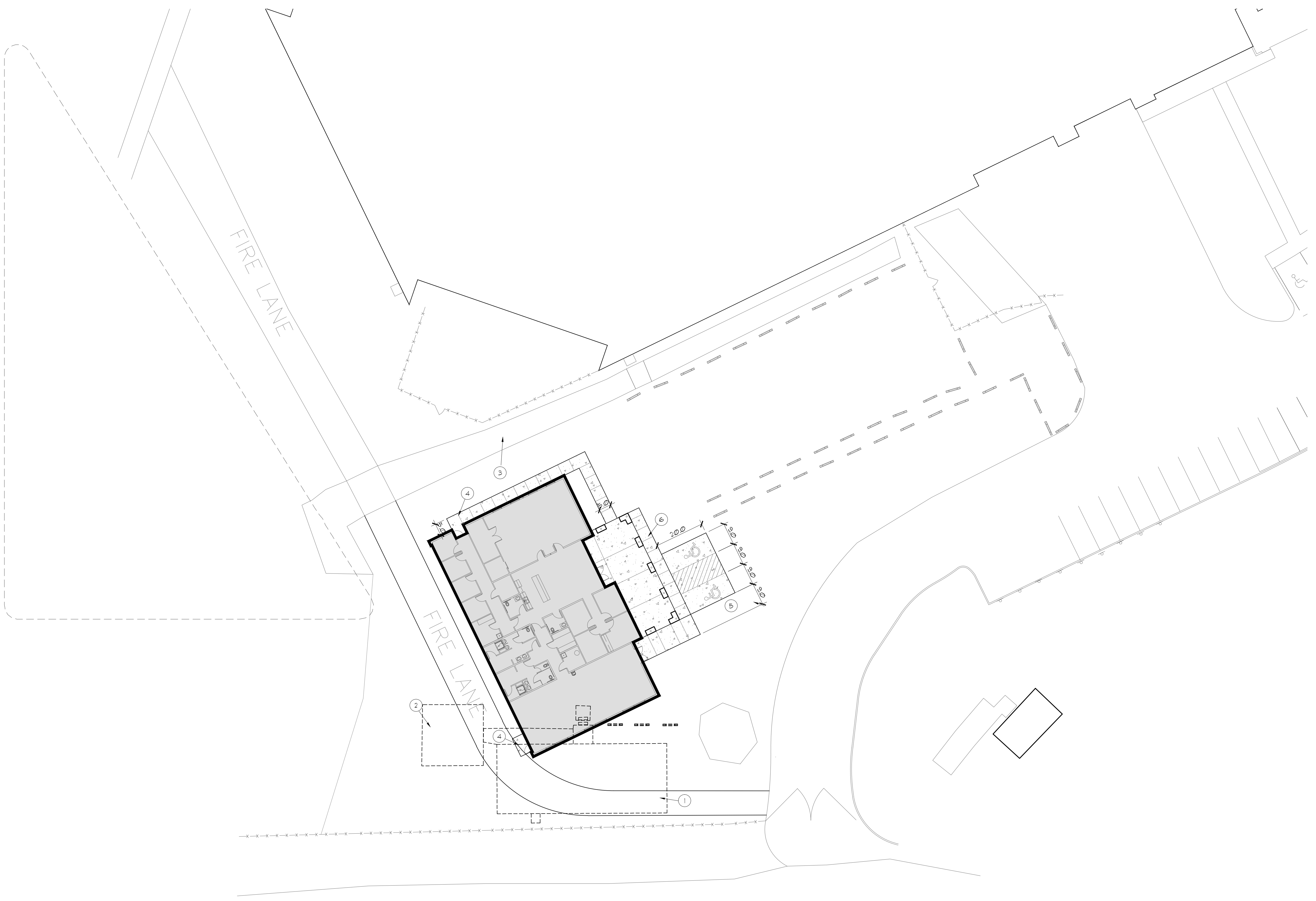
BY	HWS
REVISION	RENUM. SHT
DATE	08/29/12

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ENGINEERS - SURVEYORS
909 W. APACHE FARMINGTON, NEW MEXICO 87401 • (505)327-3503
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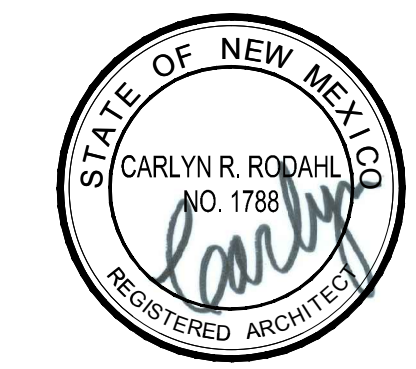
CONSTRUCTION DETAILS
SAN JUAN COUNTY ADULT DETENTION CENTER
TRAINING AND WELLNESS CENTER
FARMINGTON, NEW MEXICO

DATE: 08/04/2022
DRAWN BY: HWS
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FILE: 22226SET-080422
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KEYED NOTES

- ① EXISTING BUILDING TO BE REMOVED BY OWNER
- ② REMOVE EXISTING CONCRETE PAD COMPLETELY.
- ③ EXISTING DRAINAGE CHANNEL TO REMAIN
- ④ 8"x8"x4" CONCRETE PAD WITH 6"x6-6/16 W/F AT MID DEPTH, ON 6" COMPACTED A.B.C. TURN DOWN ALL EDGES 12" WITH #4 HORIZ. CONTINUOUS. DOWEL #4 INTO BUILDING WALL @ 16" O.C., EPOXY SET, 3" EMBED MIN.
- ⑤ NEW CONCRETE HANDICAP PARKING SLAB, SEE ENLARGED DETAIL
- ⑥ NEW 4" THICK CONCRETE SIDEWALK ON 6" COMPACTED A.B.C. TURN DOWN ALL EDGES 8"x8" MIN.



09.26.22

 SITE PLAN
SCALE: 1"=20'

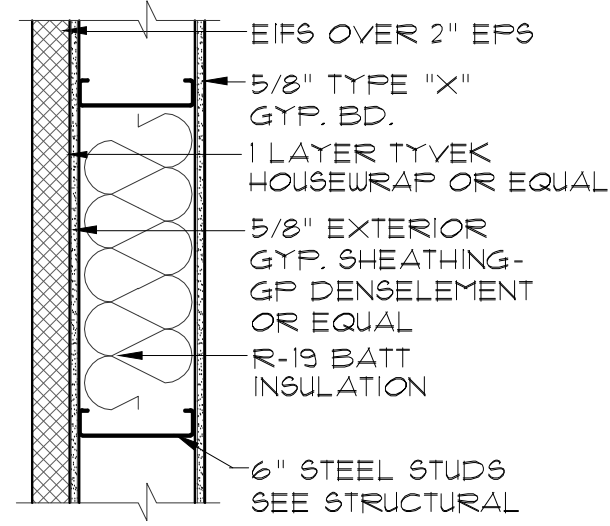
 **RODAHL & HUMMELL ARCHITECTURE, P.C.**
609 North Dustin
Farmington, NM 87401
Phone: (505) 326-6442

SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM			Filename:
SITE PLAN			Project: 220202
Drawn: BTW	Checked: CRR	Date: 09.26.22	Sheet: A0

FLOOR PLAN KEYED NOTES

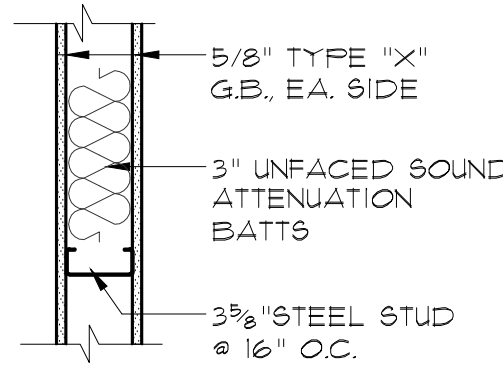
- 1 LINE OF ROOF OVERHANG ABOVE
- 2 LINE OF CEILING ABOVE
- 3 FIRE SPRINKLER RISER- SEE SITE PLAN
- 4 LINE OF AWNING ABOVE
- 5 STEEL COLUMN- SEE STRUCTURAL
- 6 PAINTED TUBE STEEL COLUMN- SEE STRUCTURAL
- 7 CMU COLUMN BASE WITH CONCRETE CAP- SEE DETAIL
- 8 LINE OF FOLDING PARTITION TRACK ABOVE
- 9 SLIDING STEEL DOOR- OWNER PROVIDE, CONTRACTOR INSTALLED. INSTALL DOUBLE 2X10 WOOD HEADER FULL WIDTH
- 10 THROUGH-WALL MECHANICAL UNIT- SEE MECHANICAL

WALL TYPES

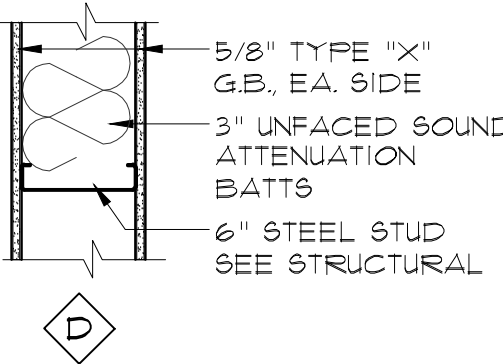


A TYPICAL EXTERIOR WALL

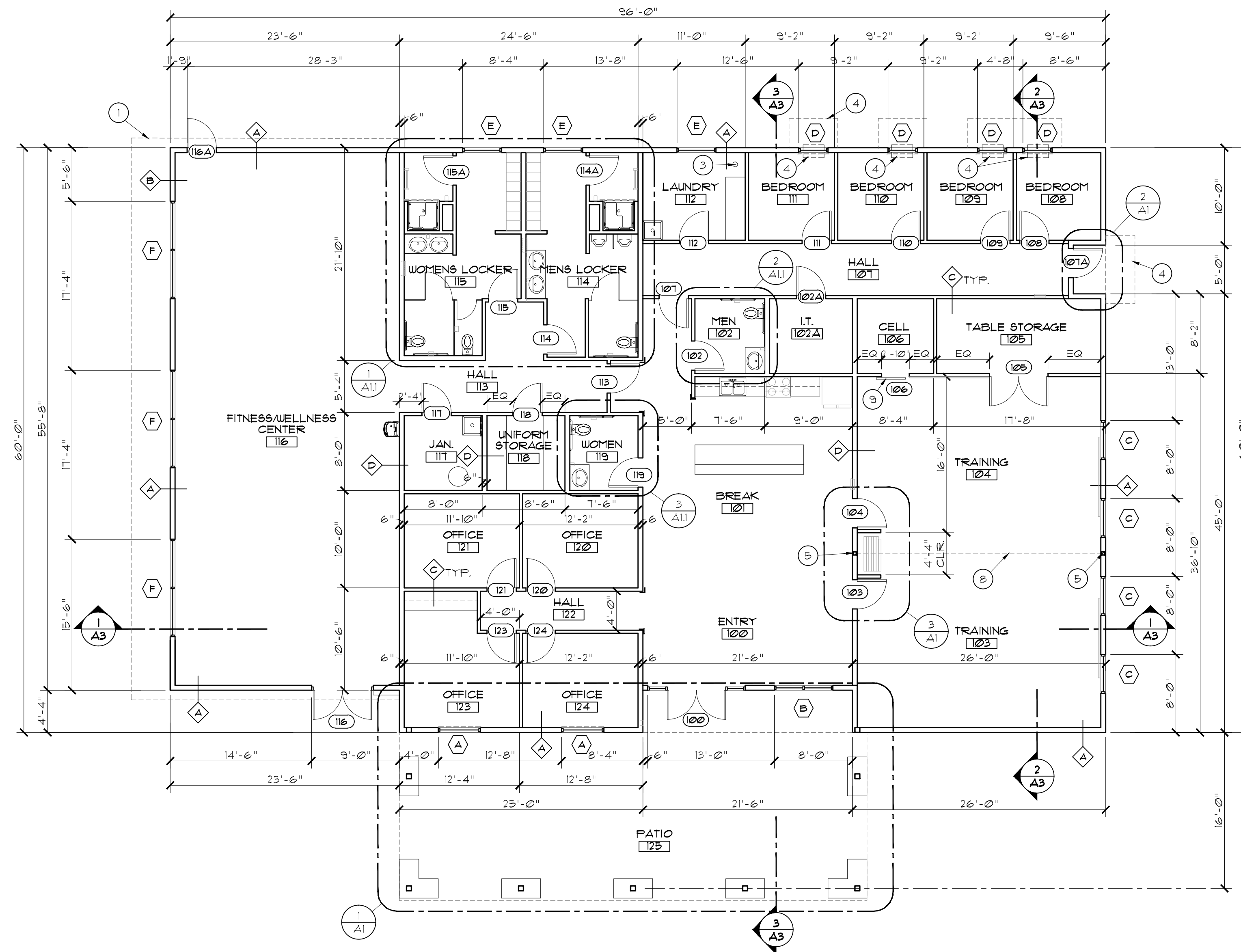
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C TYPICAL INTERIOR WALL

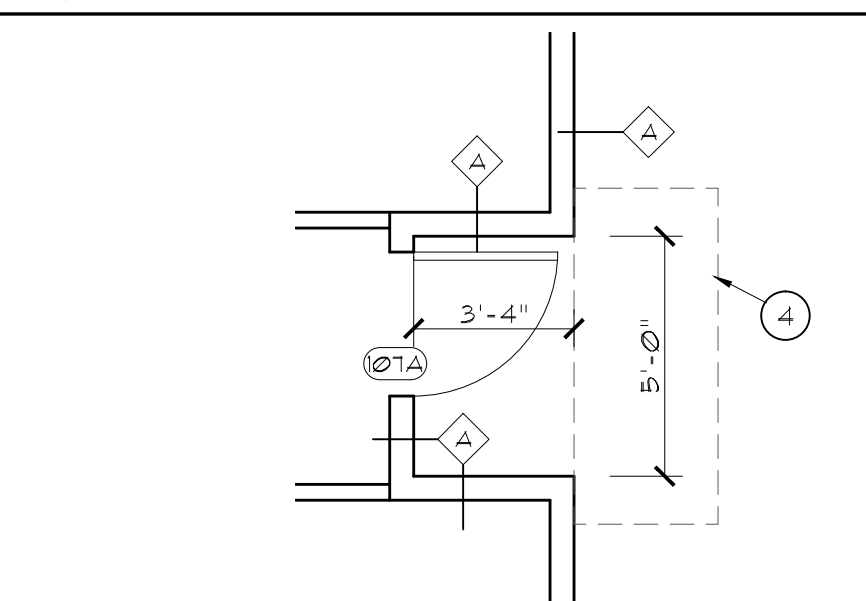


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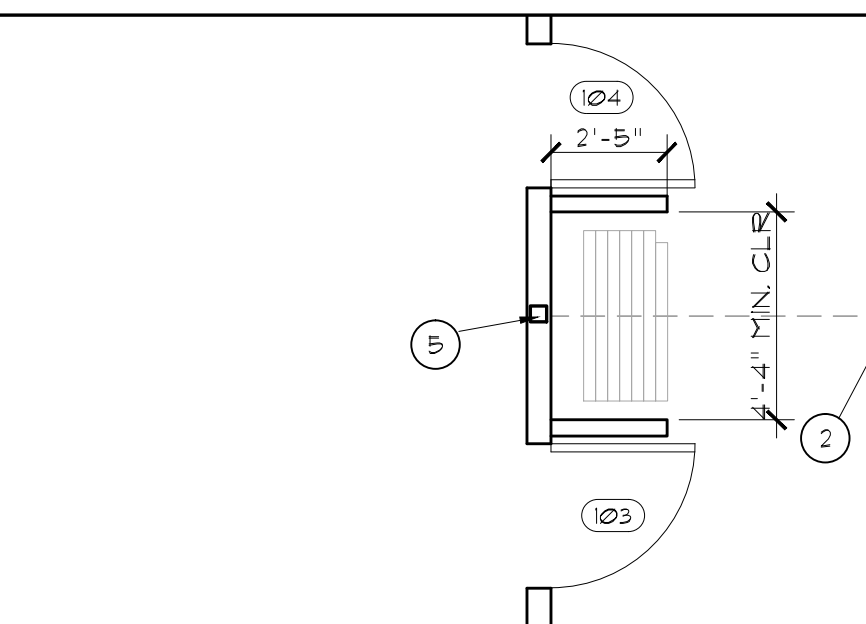


FLOOR PLAN
SCALE: 1/8" = 1'-0"

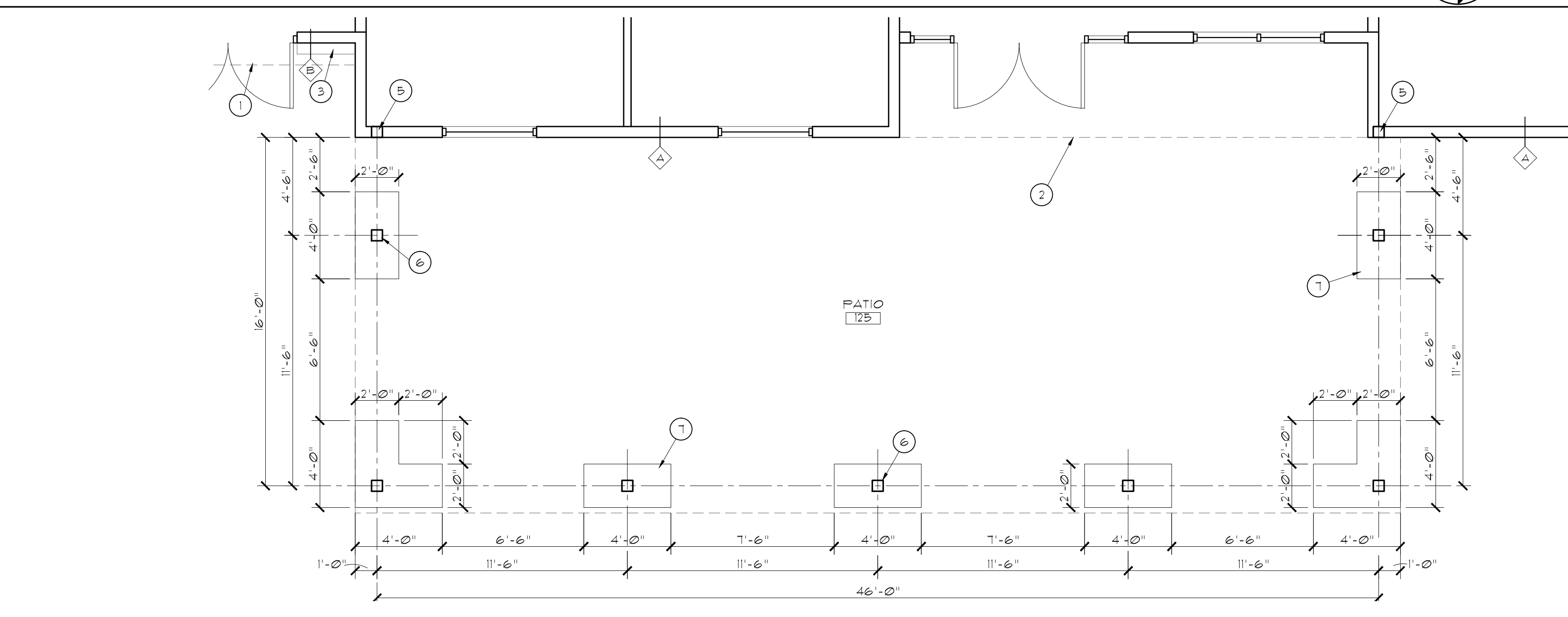
3 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



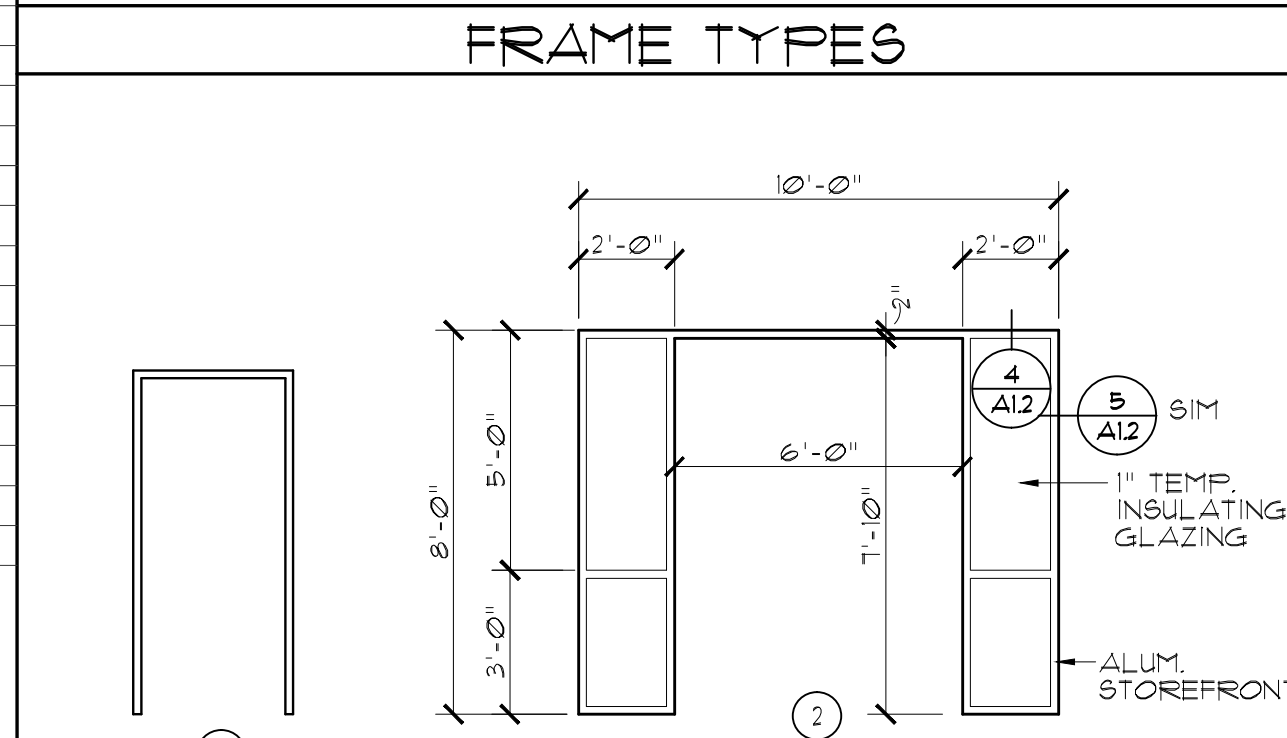
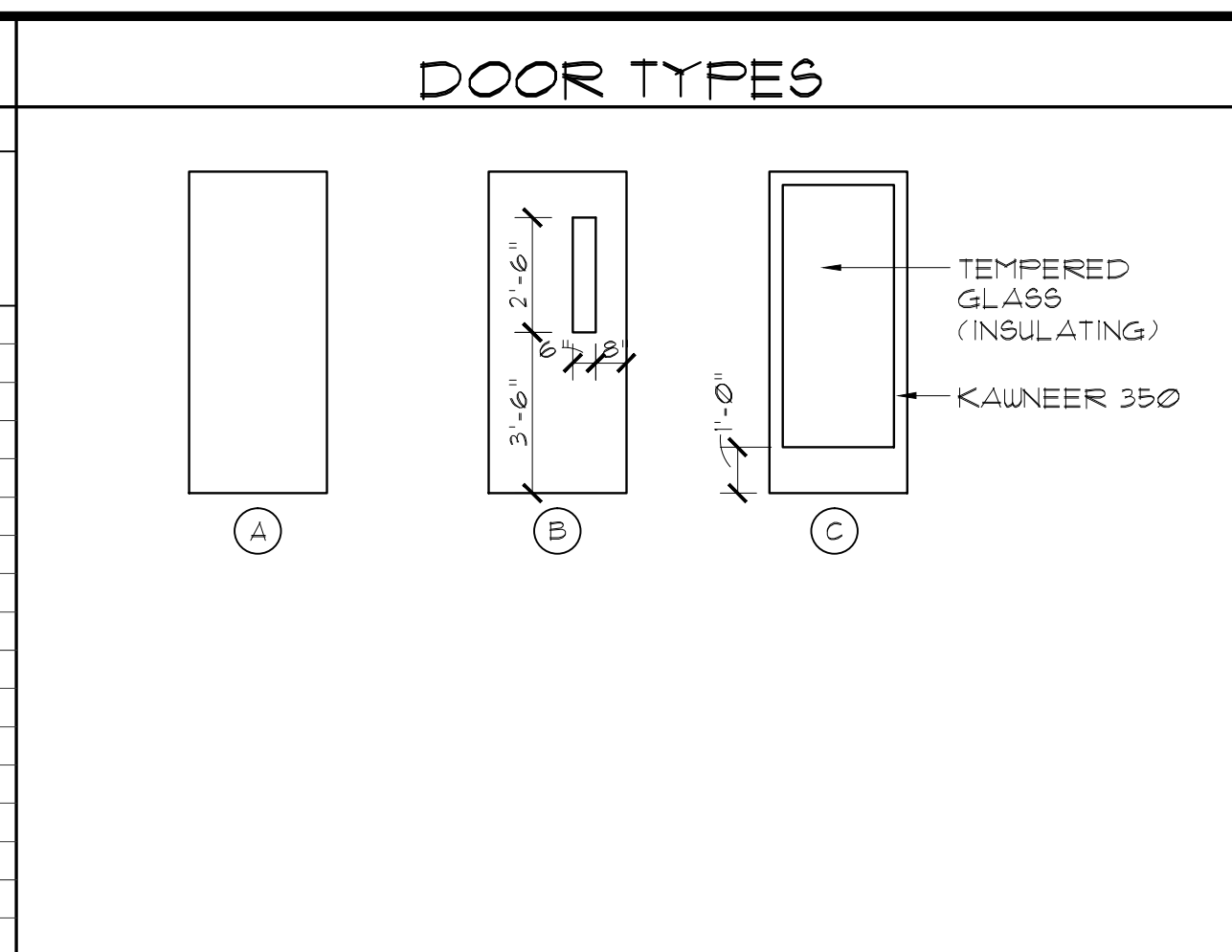
09.26.22

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Phone: (505) 326-6442

SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM		Filename:
FLOOR PLAN		Project: 220202
Drawn: BTW		Sheet: A1
Checked: CRR	Date: 09.26.22	

ROOM FINISH SCHEDULE						
RM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLG. HT/NOTES
100	ENTRY	F2	B1	W1	C1	9'-0"
101	BREAK	F2	B1	W1	C1	9'-0"
102	MEN'S RR	F2	B1	W1	C2	8'-0"
102A	I.T.	F2	B1	W1	C1	9'-0"
103	TRAINING	F1	B1	W1	C1	10'-0"
104	TRAINING	F1	B1	W1	C1	10'-0"
105	TABLE STOR.	F2	B1	W1	C1	9'-0"
106	CELL	F4	B1	W1	C2	9'-0"
107	HALL	F2	B1	W1	C1	9'-0"
108	BEDROOM	F2	B1	W1	C1	9'-0"
109	BEDROOM	F2	B1	W1	C1	9'-0"
110	BEDROOM	F2	B1	W1	C1	9'-0"
111	BEDROOM	F2	B1	W1	C1	9'-0"
112	LAUNDRY	F2	B1	W1/W3	C1	9'-0"
113	HALL	F2	B1	W1	C1	9'-0"
114	MEN'S LOCKER	F3	B1	W1/W2	C2	9'-0"
115	WOMEN'S LOCKER	F3	B1	W1/W2	C2	9'-0"
116	FITNESS/WELL	F3	B1	W1	C3	9'-0"
117	JANITOR	F2	B1	W1/W3	C1	8'-0"
118	UNIFORM STOR.	F2	B1	W1	C1	8'-0"
119	WOMEN'S RR	F2	B1	W1	C2	8'-0"
120	OFFICE	F1	B1	W1	C1	9'-0"
121	OFFICE	F1	B1	W1	C1	9'-0"
122	HALL	F2	B1	W1	C1	9'-0"
123	OFFICE	F1	B1	W1	C1	9'-0"
124	OFFICE	F1	B1	W1	C1	9'-0"
125	PATIO	F4	--	--	C2	10'-0"

DOOR SCHEDULE									
RM #	DOORS	FRAMES			MISC.	NOTES			
		TYPE	MATERIAL	HT					
100	C AL	2 1/2'-0"	T-1-0"	2 AL	4 1/2				
102	A WD	3'-0"	T-1-0"	1 HM	6				
102A	A WD	3'-0"	T-1-0"	1 HM	6				
103	B WD	3'-0"	T-1-0"	1 HM	8 1/4				
104	B WD	3'-0"	T-1-0"	1 HM	8 1/4				
105	A WD	2 1/2'-0"	T-1-0"	1 HM	8 1/4				
106	--	--	--	--	--	DOOR BY OWNER			
107	B WD	3'-0"	T-1-0"	1 HM	6				
107A	B HM	3'-0"	T-1-0"	1 HM	8 1/4				
108	A WD	3'-0"	T-1-0"	1 HM	6				
109	A WD	3'-0"	T-1-0"	1 HM	6				
110	A WD	3'-0"	T-1-0"	1 HM	6				
111	A WD	3'-0"	T-1-0"	1 HM	6				
112	A WD	3'-0"	T-1-0"	1 HM	6				
113	B WD	3'-0"	T-1-0"	1 HM	6				
114	A WD	3'-0"	T-1-0"	1 HM	6				
114A	A WD	3'-0"	T-1-0"	1 HM	6				
115	A WD	3'-0"	T-1-0"	1 HM	6				
115A	A WD	3'-0"	T-1-0"	1 HM	6				
116	A HM	2 1/2'-0"	T-1-0"	3 HM	8 1/4				
116A	A HM	3'-0"	T-1-0"	1 HM	8 1/4				
117	A WD	3'-0"	T-1-0"	1 HM	6				
118	A WD	3'-0"	T-1-0"	1 HM	6				
119	A WD	3'-0"	T-1-0"	1 HM	8 1/4				
120	B WD	3'-0"	T-1-0"	1 HM	6				
121	B WD	3'-0"	T-1-0"	1 HM	6				
123	B WD	3'-0"	T-1-0"	1 HM	6				
124	B WD	3'-0"	T-1-0"	1 HM	6				



FINISH MATERIAL KEY

FLOORS
 F1: CARPET TILE - SEE SPEC 09680
 F2: LVT - SEE SPEC
 F3: POLISHED CONCRETE
 F4: SEALED CONCRETE

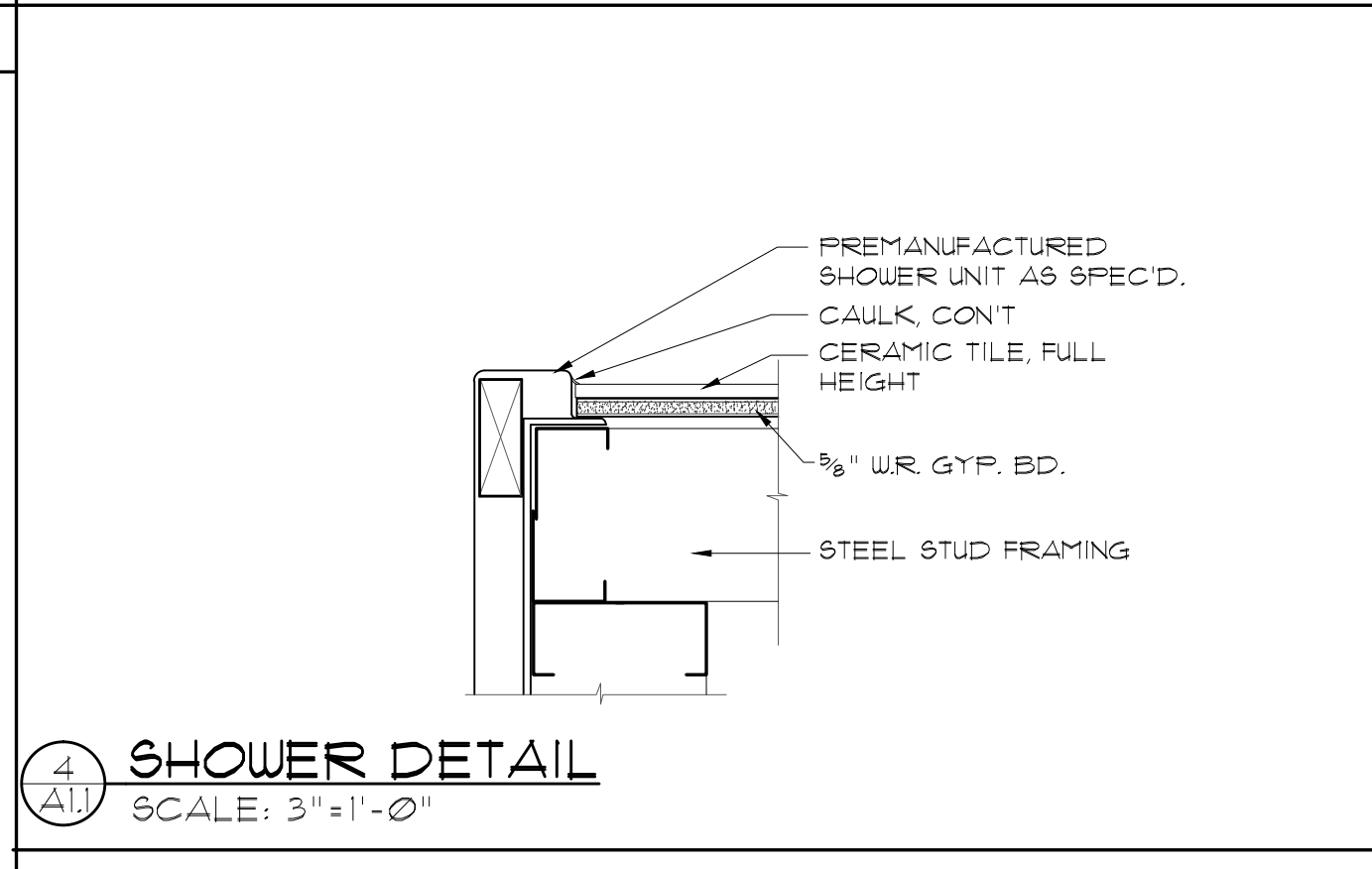
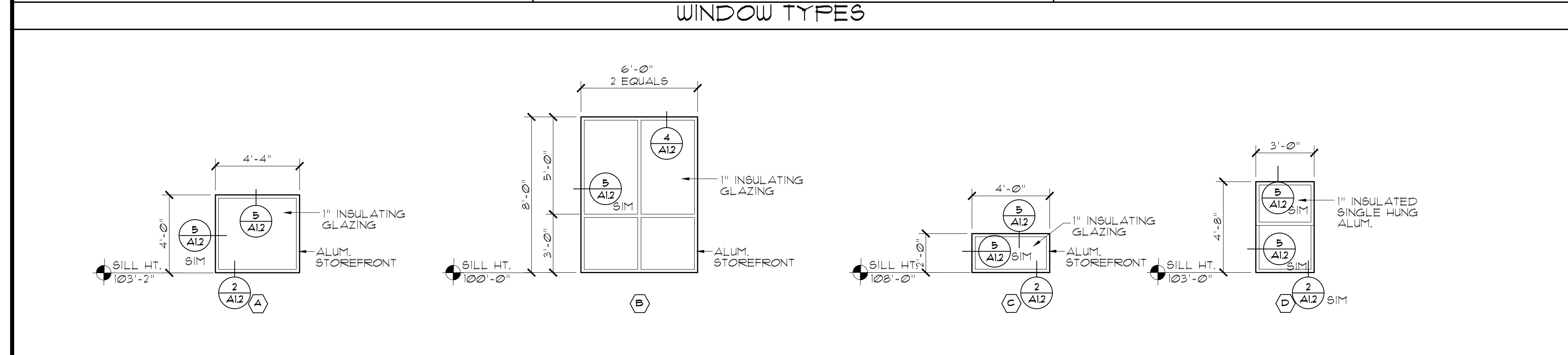
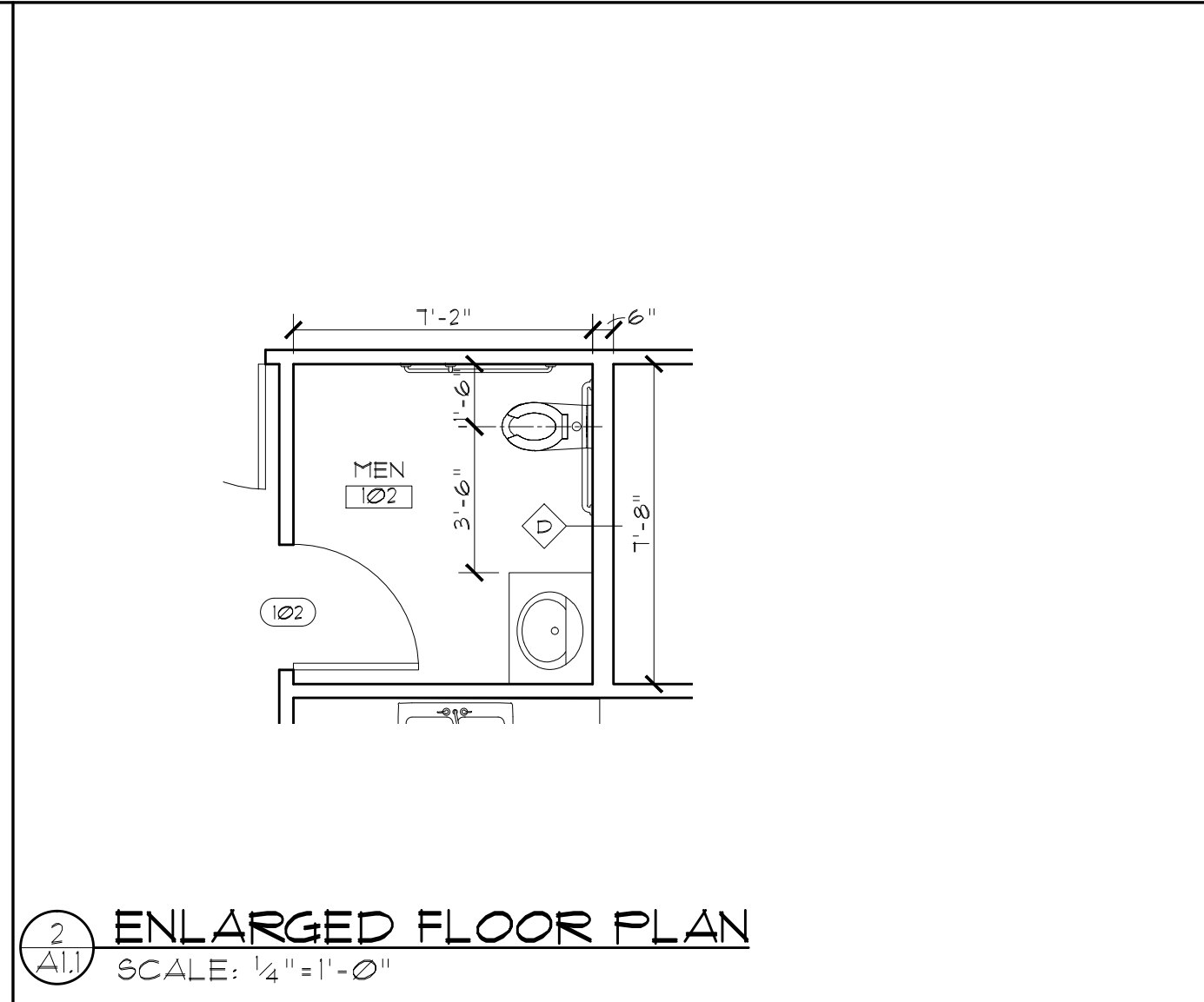
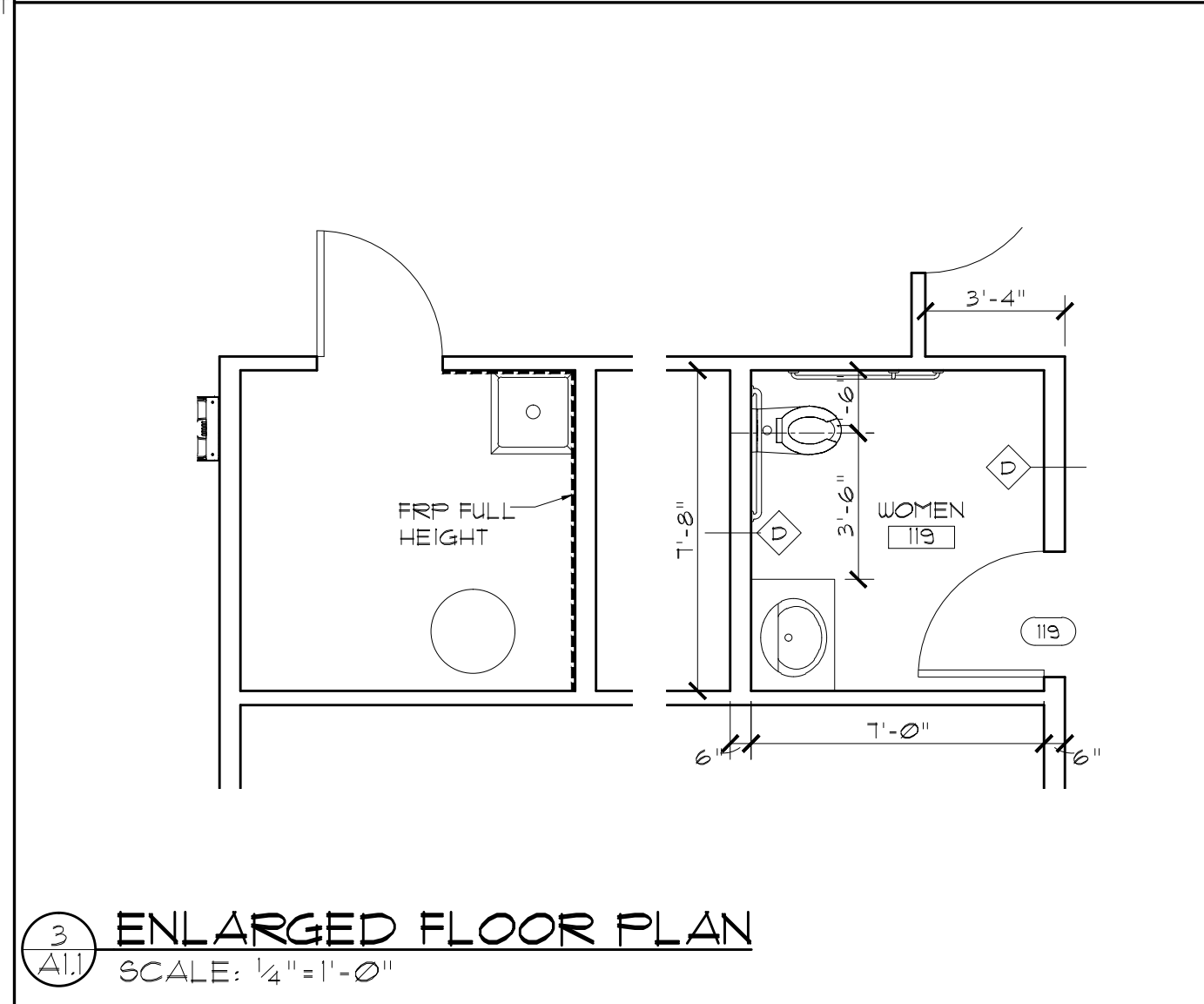
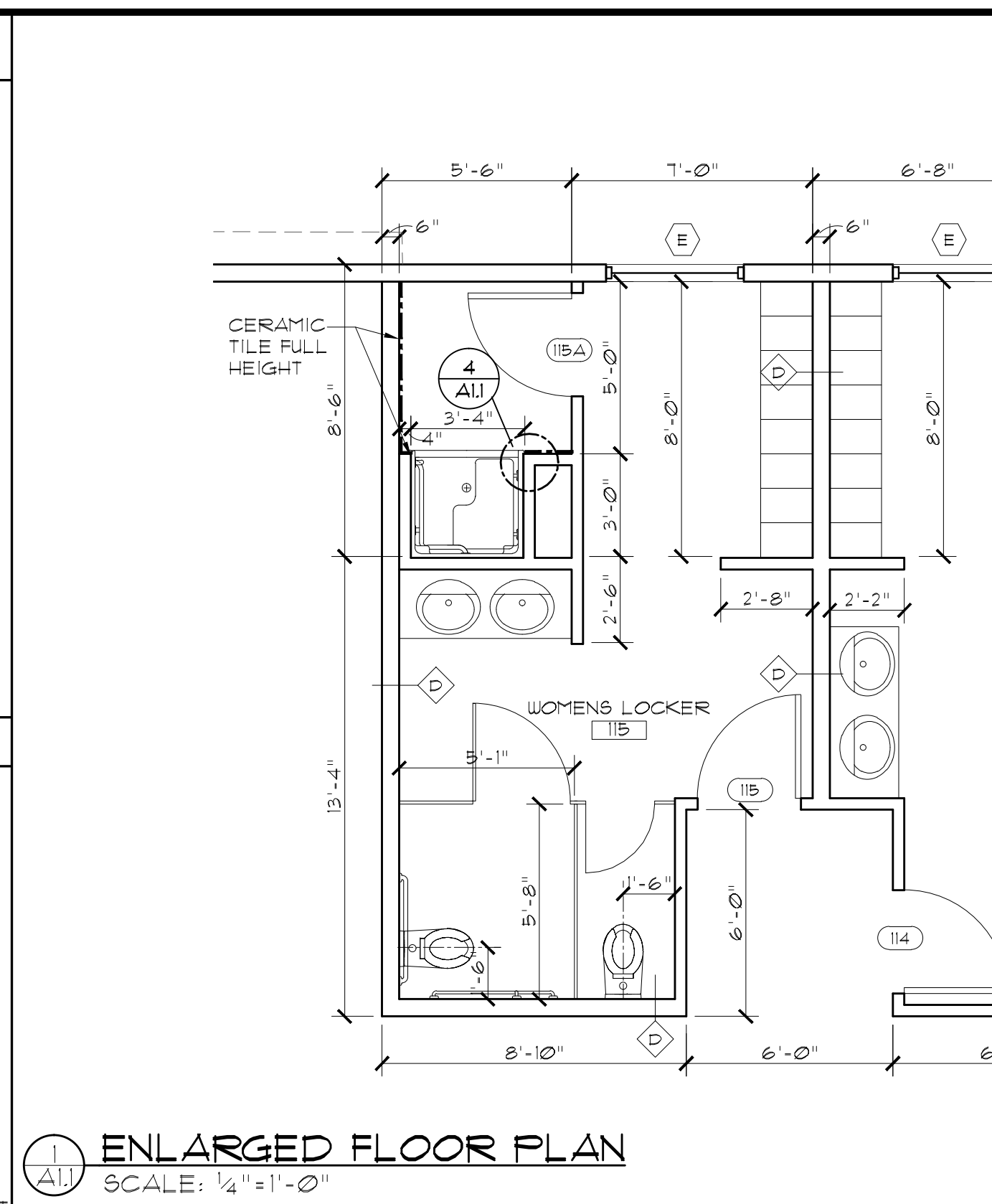
BASE
 B1: 4" VINYL COVE

WALLS
 W1: GYP. BD. PAINTED
 W2: CERAMIC TILE - SEE SPEC. 09310
 W3: FRP FULL HEIGHT OVER GYP. BD.

CEILING
 C1: 2x4 LAY-IN ACOUSTICAL TILE CEILING - SEE SPEC 09511
 C2: GYP. BD. PAINTED
 C3: EXPOSED STRUCTURE - PAINTED, DRYFALL - SEE SPEC. 09623

NOTES:
 1. SEE 1/A1, 4 3/A1 FOR WALLS TO RECEIVE FRP PANELS OVER GYP. BD.
 2. SEE 1/A1 FOR CERAMIC TILE WALLS

NOTES:
 1. SEE SPEC. 08119 FOR HARDWARE GROUPS



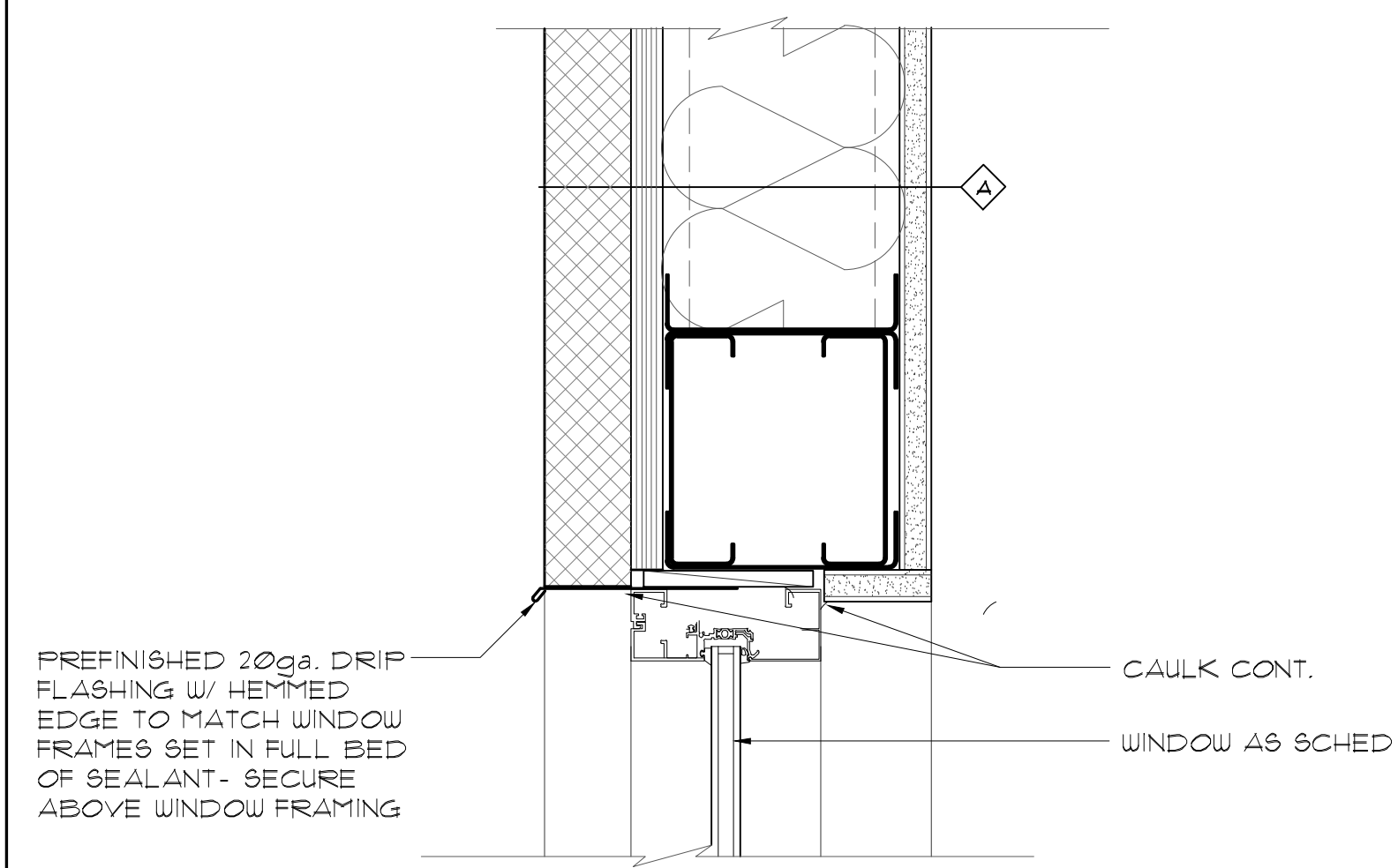
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 Farmington, NM 87401
 Phone: (505) 326-6442

Filename: _____
 Project: 220202
 Sheet: **A1.1**

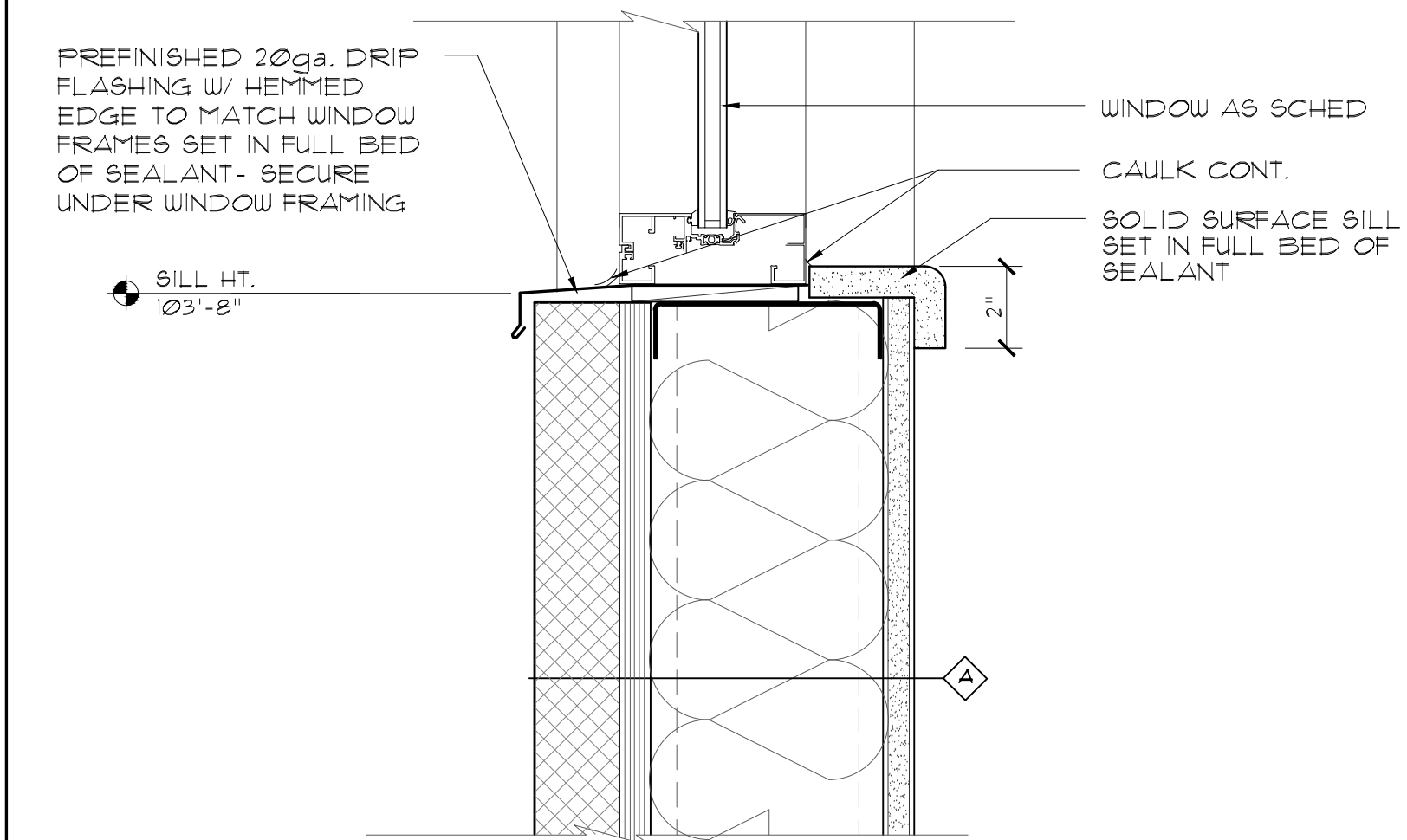
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM		
Drawn: BTW	Checked: CRR	Date: 09.26.22

7 NOT USED
SCALE: 3"=1'-0"



5 TYPICAL WINDOW HEAD
SCALE: 3"=1'-0"

4 NOT USED
SCALE: 3"=1'-0"



2 SILL @ EIFS
SCALE: 3"=1'-0"

6 NOT USED
SCALE: 3"=1'-0"

3 NOT USED
SCALE: 3"=1'-0"



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FACILITY
FARMINGTON, NM
MISC. DETAILS

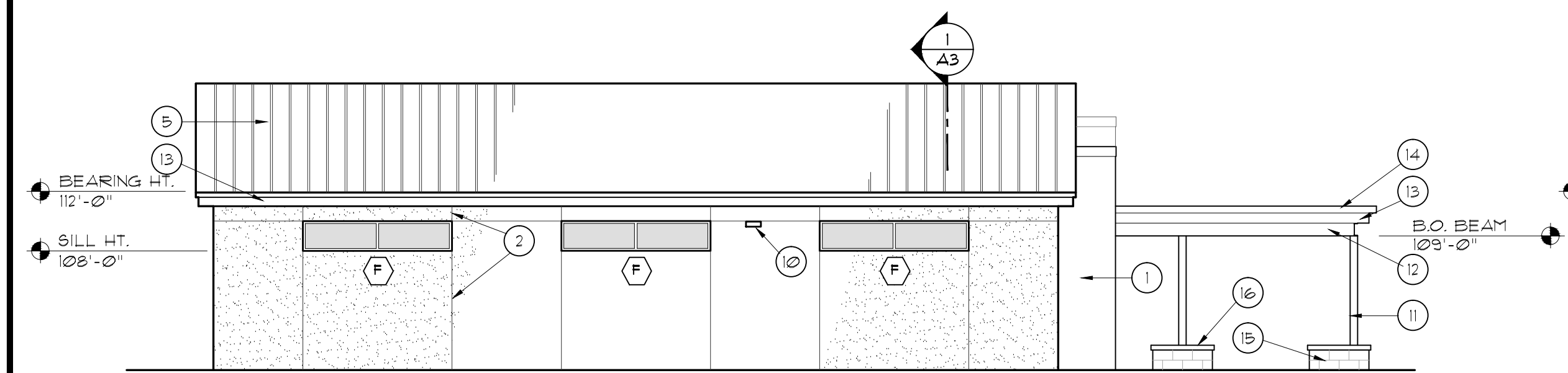
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Project:
220202
Sheet:
A1.2

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Checked: CRR
Date: 09.26.22

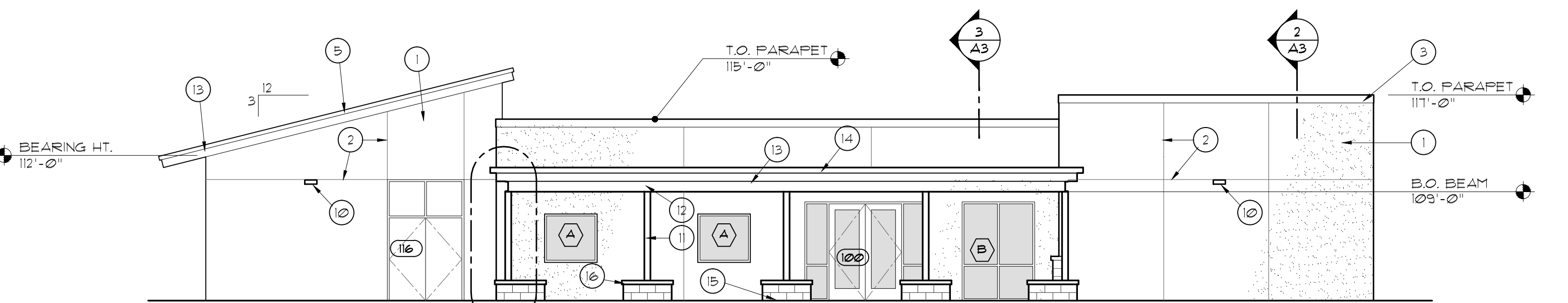
1 NOT USED
SCALE: 3"=1'-0"

KEYED NOTES

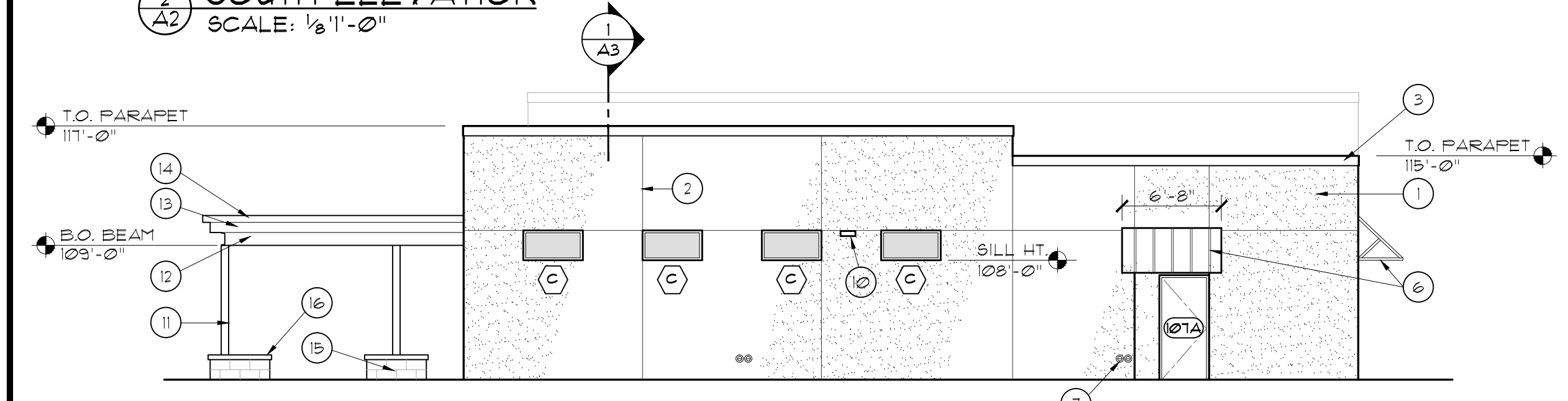
- 1 EIFS OVER 2" EPS, TYP.
- 2 ROUTED CONTROL JOINT
- 3 PREFINISHED SNAP ON METAL COPING
- 4 NOT USED
- 5 STANDING SEAM METAL ROOF SYSTEM
- 6 PREFABRICATED ALUM. SUNSHADE - GENERAL AWNINGS, AUSTIN MODEL, 3' PROJECT, 8:12 PITCH; SEE ELEVATIONS FOR WIDTH.
- 7 BRASS ROOF DRAIN/OVERFLOW NOZZLES- SEE MECHANICAL
- 8 6" HIGH ALUMINUM ADDRESS NUMBERS, MOUNT @ 6'-0" AFF.
- 9 PROVIDE KNOX BOX- RECESSED MOUNT ON INSIDE FACE @ 1'-0" AFF.
- 10 WALL MOUNTED LIGHT FIXTURE- SEE ELECTRICAL
- 11 PAINTED TUBE STEEL COLUMN- SEE STRUCTURAL
- 12 PAINTED STEEL BEAM- SEE STRUCTURAL
- 13 PREFINISHED 24ga METAL TRIM
- 14 PREFINISHED METAL GUTTER
- 15 SPLIT FACE CMU COLUMN BASE- SEE
- 16 CAST IN PLACE CONCRETE CAP-SEE
- 17 THROUGH-WALL MECHANICAL UNIT, SEE MECHANICAL



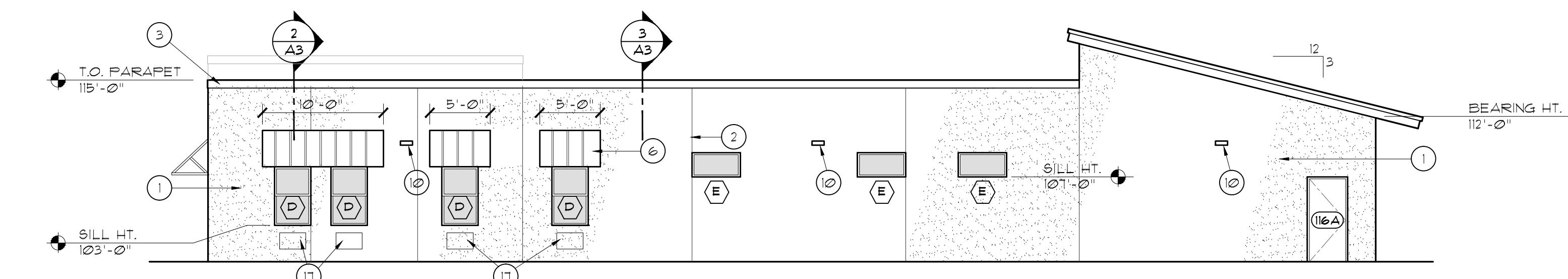
2 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



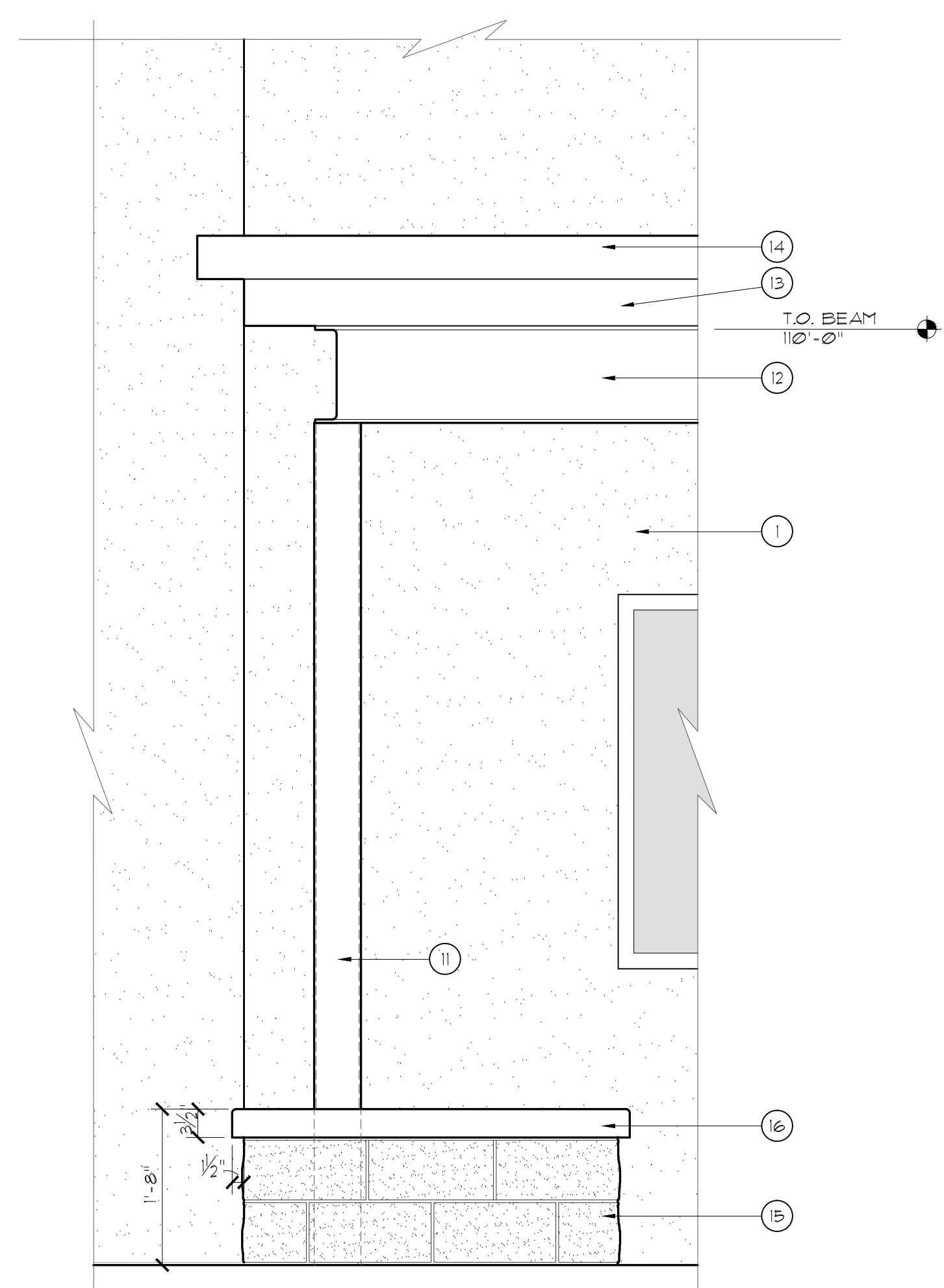
1 EAST ELEVATION
SCALE: 1/8"=1'-0"



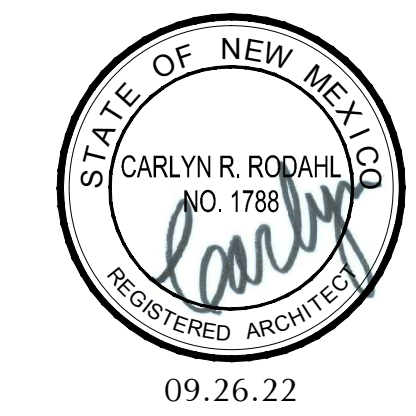
4 NORTH ELEVATION
SCALE: 1/8"=1'-0"



3 WEST ELEVATION
SCALE: 1/8"=1'-0"

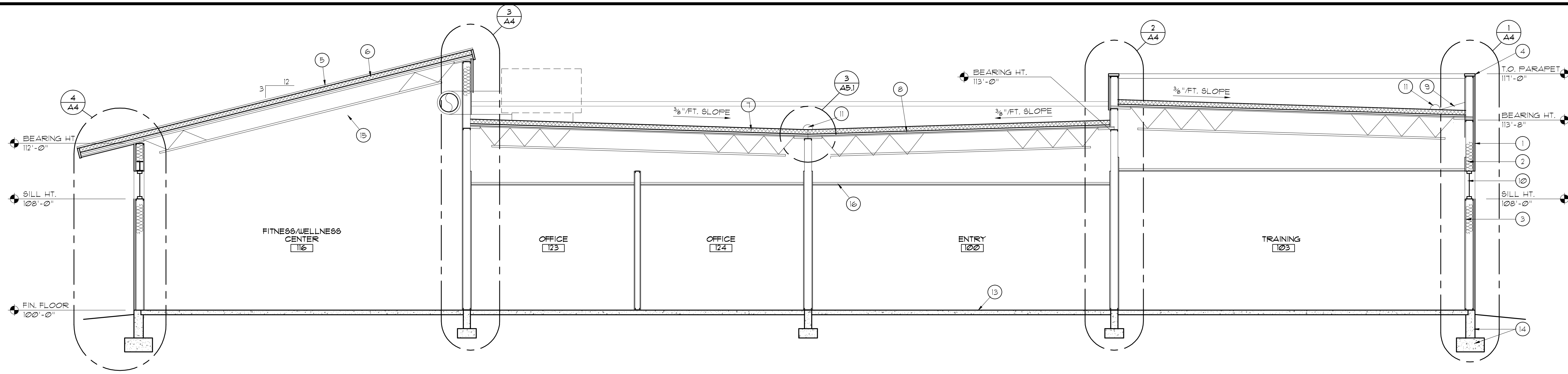


5 ENLARGED ELEVATION
SCALE: 3/4"=1'-0"

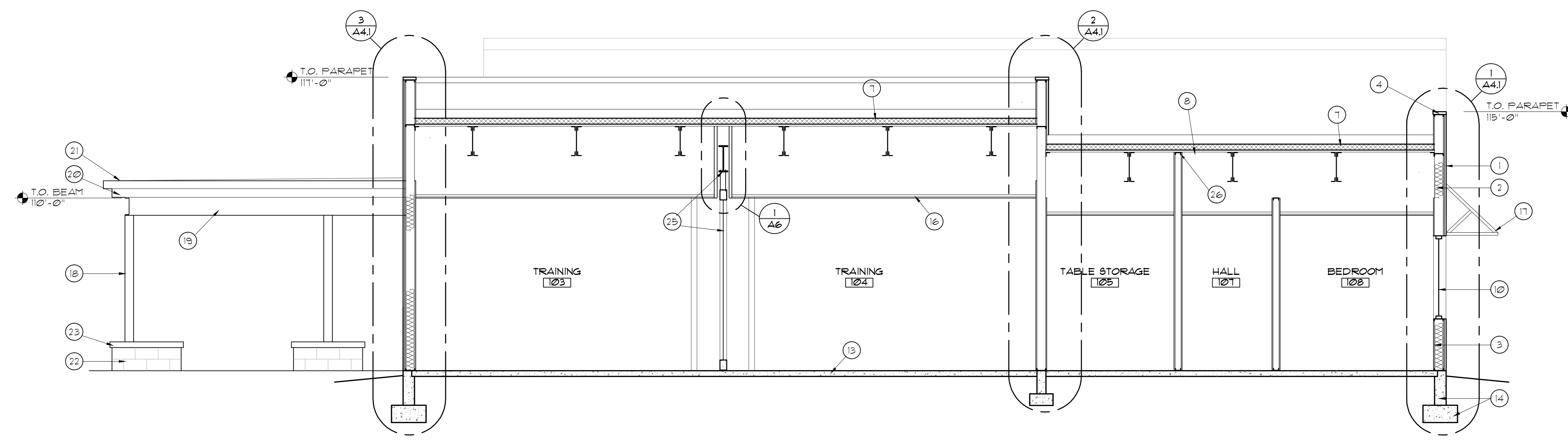


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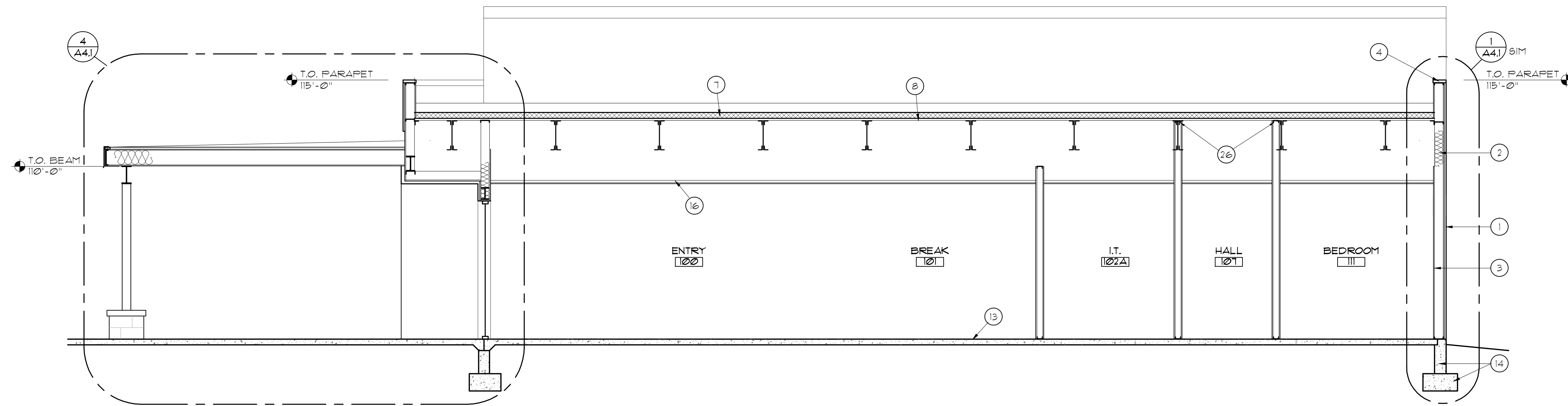
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BUILDING ELEVATIONS		Project: 220202
Drawn: BTW	Checked: CRR	Date: 09.26.22
		Sheet: A2



1 BUILDING SECTION
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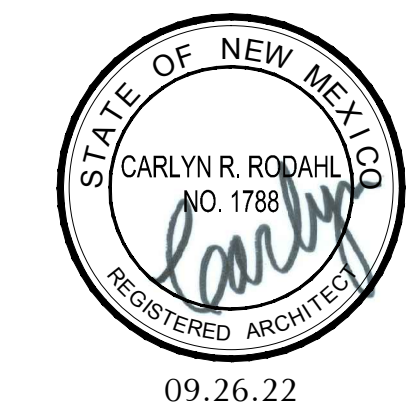
2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



3 BUILDING SECTION
SCALE: 1/4" = 1'-0"

KEYED NOTES

- 1 EIFS ON 2" EPS OVER EXTERIOR GYP. SHEATHING-
- 2 R-19 BATT INSULATION, FOIL FACED
- 3 3/8" GYP. BD. ON STEEL STUD FRAMING
- 4 PREFINISHED SNAP ON METAL COPING-SEE ROOF PLAN
- 5 STANDING SEAM METAL ROOFING
- 6 4 1/2" POLYISOCYANURATE INSULATION NAILBASE, OVER PREFINISHED METAL DECK ON STEEL BAR JOISTS
- 7 TPO MEMBRANE ROOFING MEMBRANE ON 4" POLYISOCYANURATE INSULATION
- 8 1 1/2" METAL DECK ON STEEL BAR JOISTS, TYP.
- 9 TAPERED FOAM CRICKET
- 10 WINDOW AS SCHEDULED
- 11 ROOF DRAIN/OVERFLOW-SEE PLUMBING
- 12 ROOF MOUNTED MECHANICAL EQUIPMENT-SEE HYAC PLANS
- 13 CONCRETE SLAB-SEE STRUCTURAL
- 14 CONCRETE STEM WALL AND FOOTING-SEE STRUCTURAL
- 15 EXPOSED STRUCTURE TO BE PAINTED
- 16 ACOUSTICAL TILE CEILING
- 17 PREMANUFACTURED ALUM. SUNSHADE - GENERAL AWNINGS, AUSTIN MODEL, 3' PROJECT, 8:12 PITCH, SEE ELEVATIONS FOR WIDTH.
- 18 PAINTED TUBE STEEL COLUMN- SEE STRUCTURAL
- 19 PAINTED STEEL BEAM- SEE STRUCTURAL
- 20 PREFINISHED 24ga METAL TRIM
- 21 PREFINISHED METAL GUTTER
- 22 SPLIT FACE CMU COLUMN BASE- SEE
- 23 CAST IN PLACE CONCRETE CAP -SEE
- 24 SUSPENDED LIGHT FIXTURE- SEE ELECTRICAL
- 25 FOLDING PARTITION & SUPPORT- SEE A/A6
- 26 EXTEND WALL FRAMING TO DECK WITH 3" SLIPTRACK CONNECTION, ETERND 3/8" GYP. BD. TO DECK, FILL DECK FLUTES WITH BIRGLASS INSULATION OR SPRAY FOAM FILLER



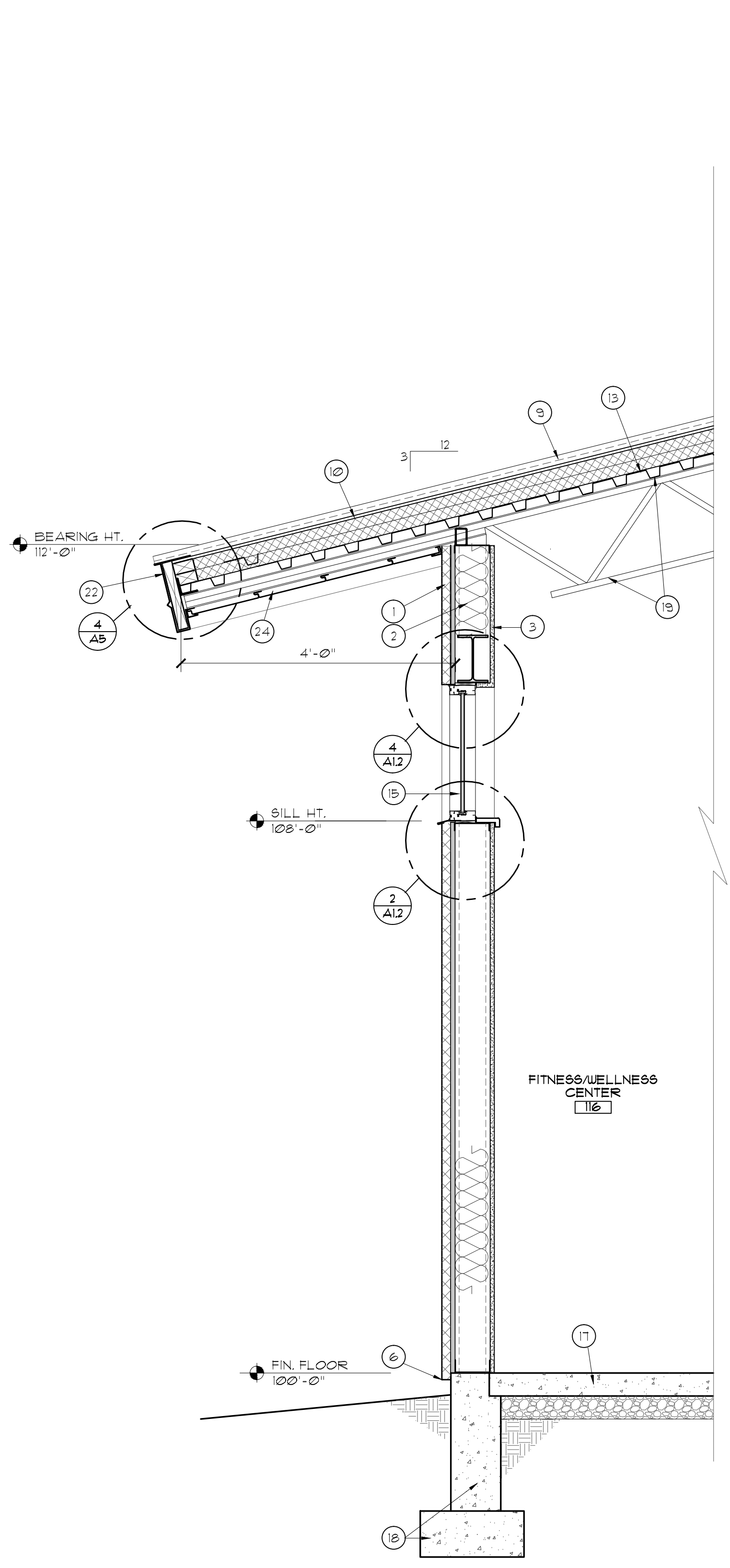
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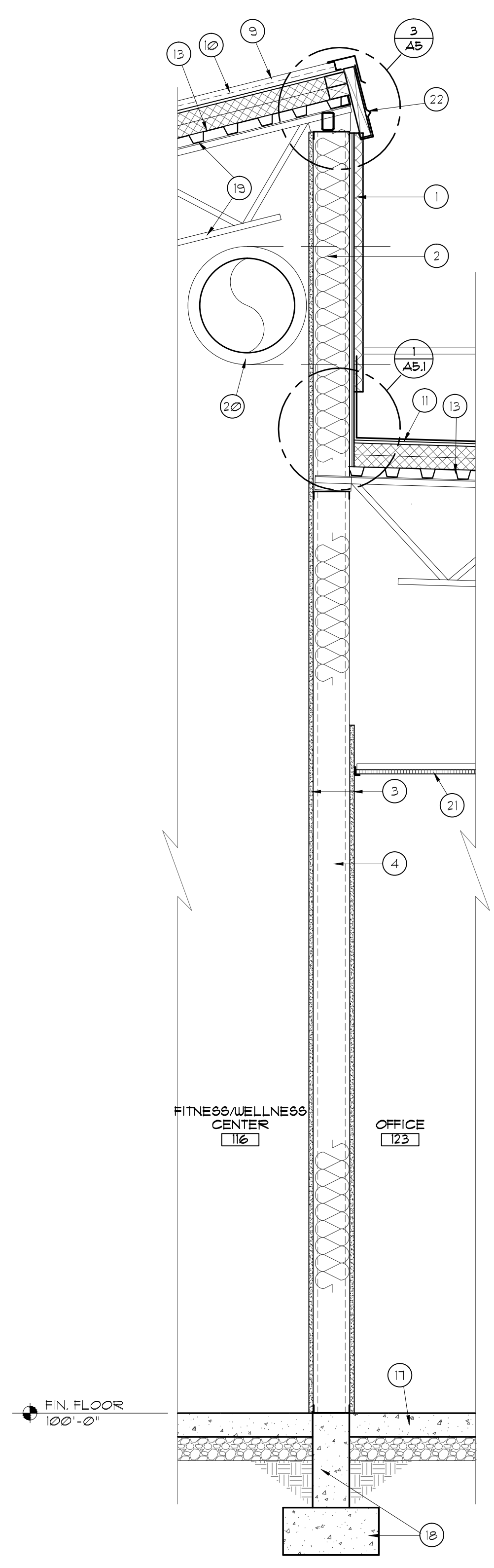
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BUILDING SECTIONS		Project: 220202
Drawn: BTW	Checked: CRR	Date: 09.26.22
		Sheet: A3

KEYED NOTES

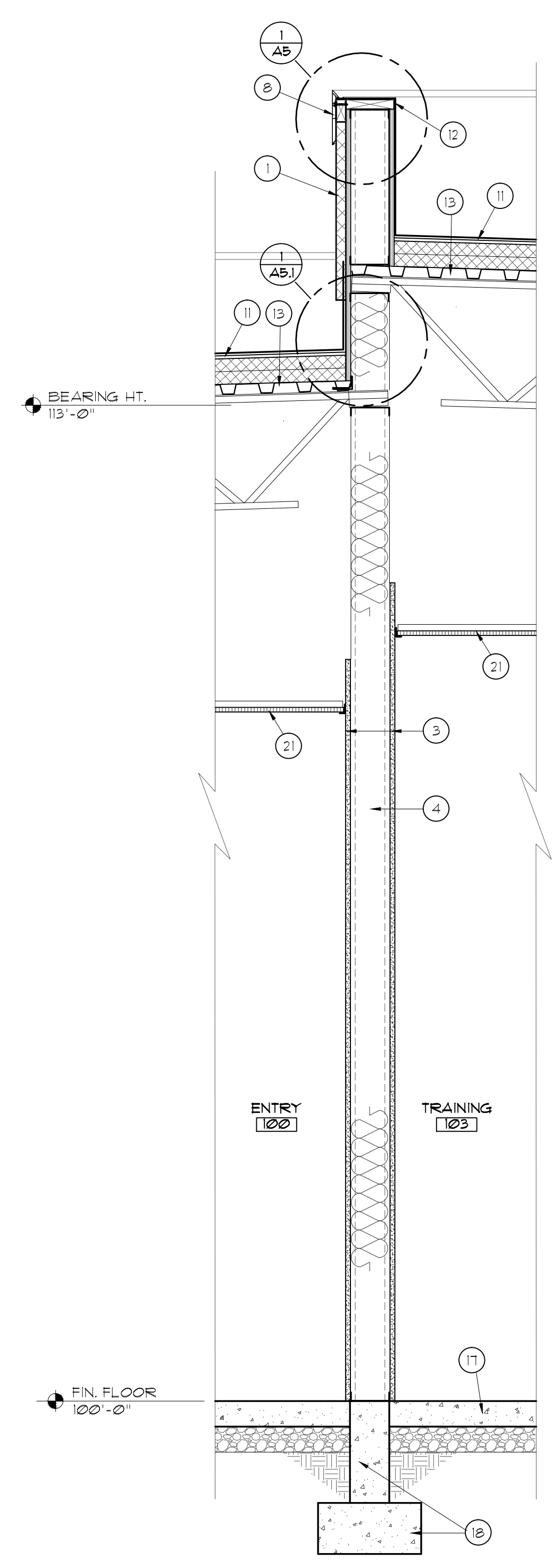
- 1 EIFS ON 2" EPS OVER EXTERIOR GYP. SHEATHING SHEATHING
- 2 R-19 BATT INSULATION, FOIL FACED
- 3 5/8" GYP. BD.
- 4 STEEL STUD FRAMING- SEE STRUCTURAL
- 5 NOT USED
- 6 WEEP SCREED, CONT
- 7 NOT USED
- 8 PREFINISHED SNAP ON METAL COPING-SEE ROOF PLAN
- 9 STANDING SEAM METAL ROOFING
- 10 4 1/2" POLYISOCYANURATE INSULATION NAILBASE, OVER PREFINISHED METAL DECK ON STEEL BAR JOISTS.
- 11 TPO MEMBRANE ROOFING MEMBRANE ON 4" POLYISOCYANURATE INSULATION
- 12 EXTEND ROOFING MEMBRANE TO FRONT OF WALL
- 13 1 1/2" METAL DECK ON STEEL BAR JOISTS, TYP.-SEE STRUCTURAL
- 14 TAPERED FOAM CRICKET
- 15 WINDOW AS SCHEDULED
- 16 ROOF DRAIN/OVERFLOW-SEE PLUMBING
- 17 CONCRETE SLAB-SEE STRUCTURAL
- 18 CONCRETE STEM WALL AND FOOTING-SEE STRUCTURAL
- 19 EXPOSED STRUCTURE TO BE PAINTED
- 20 EXPOSED DUCTWORK- SEE MECHANICAL
- 21 ACOUSTICAL TILE CEILING
- 22 PREFINISHED 24ga METAL TRIM
- 23 NOT USED
- 24 FLUSH BEAM METAL SOFFIT PANELS-SEE SPEC



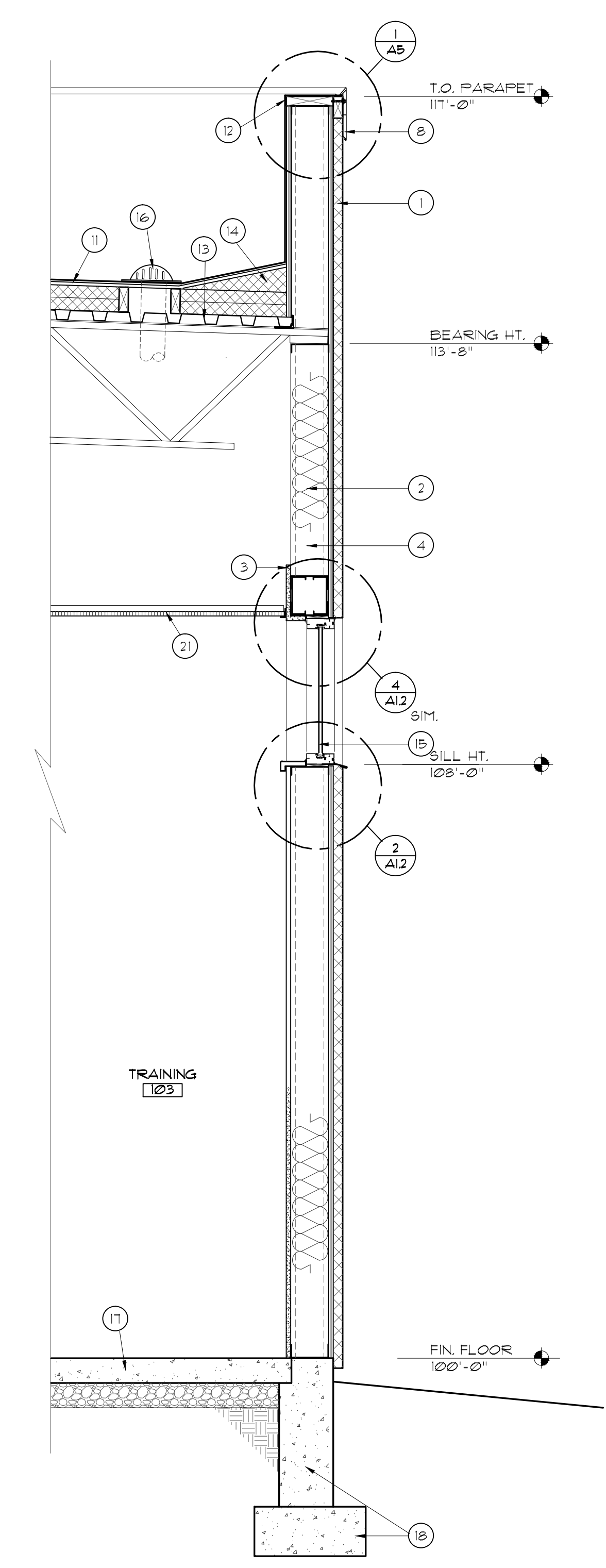
4 WALL SECTION
SCALE: 3/4" = 1'-0"



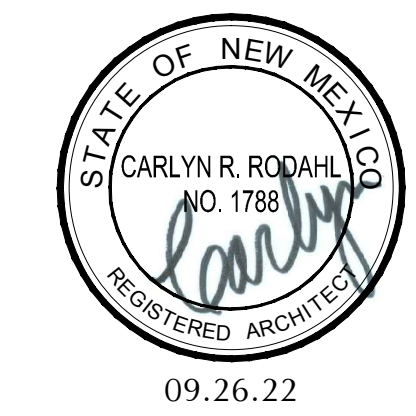
3 WALL SECTION
SCALE: 3/4" = 1'-0"



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



1 WALL SECTION
SCALE: 3/4" = 1'-0"



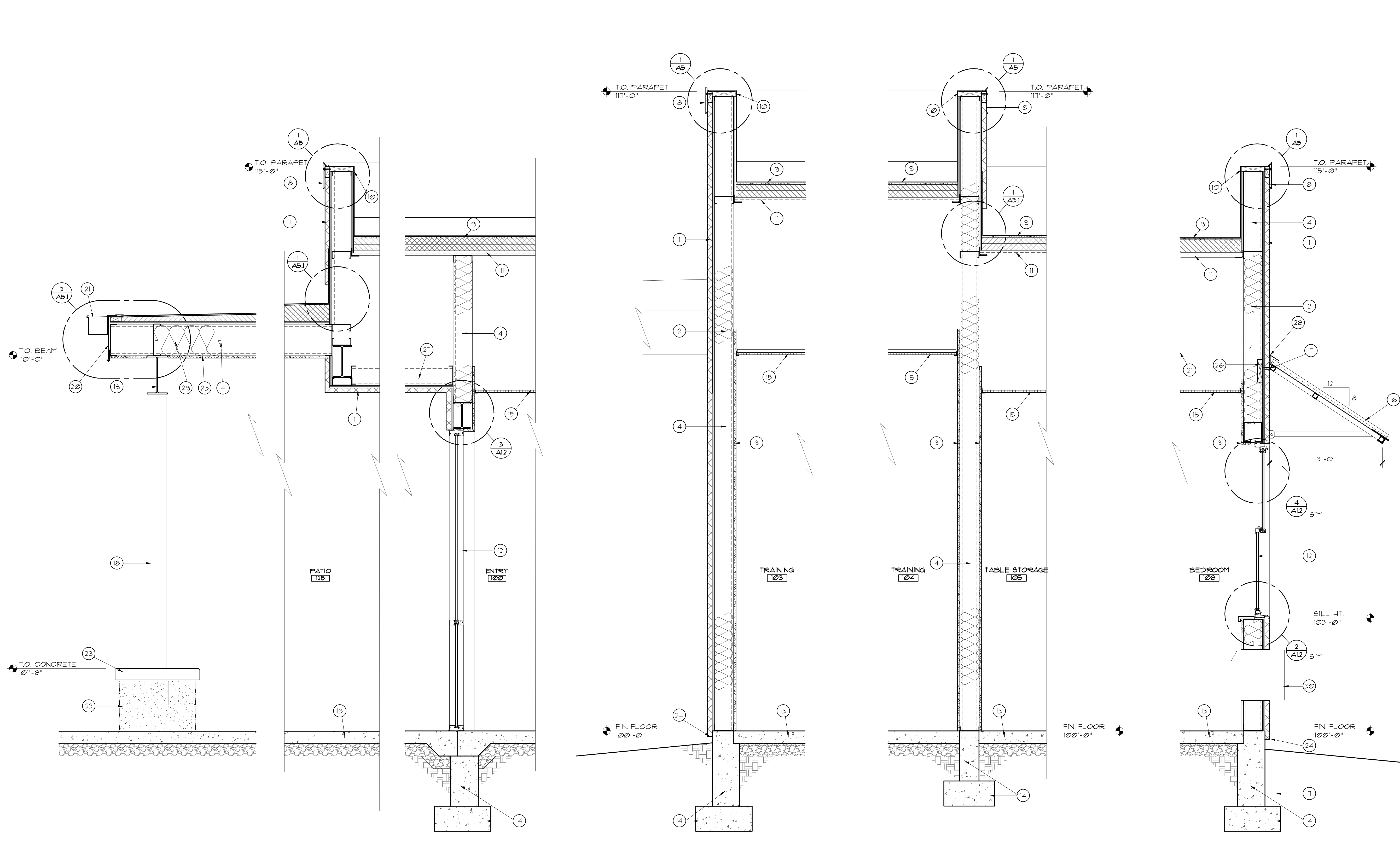
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Drawn: BTW	Checked: CRR	Project: 220202
Date: 09.26.22		Sheet: A4

KEYED NOTES

- 1 EIFS ON 2" EPS OVER EXTERIOR GYP. SHEATHING-
- 2 R-19 BATT INSULATION, FOIL FACED
- 3 5/8" GYP. BD.
- 4 STEEL STUD FRAMING- SEE STRUCTURAL
- 5 NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 PREFINISHED SNAP ON METAL COPING-SEE ROOF PLAN
- 9 TPO MEMBRANE ROOFING MEMBRANE ON 4" POLYISOCYANURATE INSULATION
- 10 EXTEND ROOFING MEMBRANE TO FRONT OF WALL
- 11 1 1/2" METAL DECK ON STEEL BAR JOISTS, TYP.-SEE STRUCTURAL
- 12 WINDOW AS SCHEDULED
- 13 CONCRETE SLAB-SEE STRUCTURAL
- 14 CONCRETE STEM WALL AND FOOTING-SEE STRUCTURAL
- 15 ACOUSTICAL TILE CEILING
- 16 PREFABRICATED ALUM. SUNSHADE - GENERAL AWNINGS, AUSTIN MODEL, 3' PROJECT, 8:12 PITCH, SEE ELEVATIONS FOR WIDTH.
- 17 ALUM. PIPE SLEEVE @ EACH FASTENER LOCATION
- 18 PAINTED TUBE STEEL COLUMN- SEE STRUCTURAL
- 19 PAINTED STEEL BEAM- SEE STRUCTURAL
- 20 PREFINISHED 24ga METAL TRIM
- 21 PREFINISHED METAL GUTTER
- 22 SPLIT FACE CMU COLUMN BASE- SEE
- 23 CAST IN PLACE CONCRETE CAP -SEE
- 24 PREFINISHED WEEP SCREED, CONT
- 25 5/8" EXT. GYP. SHEATHING
- 26 SOLID 2x BLOCKING ACROSS ENTIRE HEAD SECTION
- 27 3 3/8"x20ga. STEEL JOISTS @ 16" O.C.
- 28 CAULK CONT
- 29 R-30 BATT INSULATION
- 30 THROUGH-WALL MECHANICAL UNIT, SEE MECHANICAL

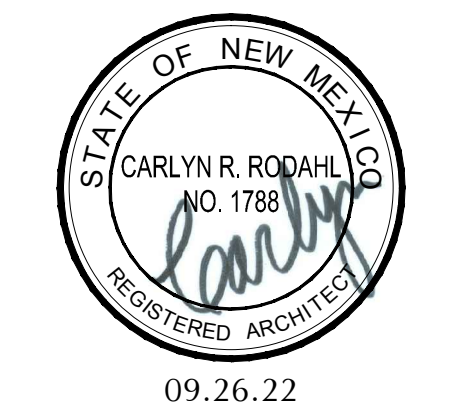


4 WALL SECTION
SCALE: 3/4"=1'-0"

3 WALL SECTION
SCALE: 3/4"=1'-0"

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

1 WALL SECTION
SCALE: 3/4"=1'-0"



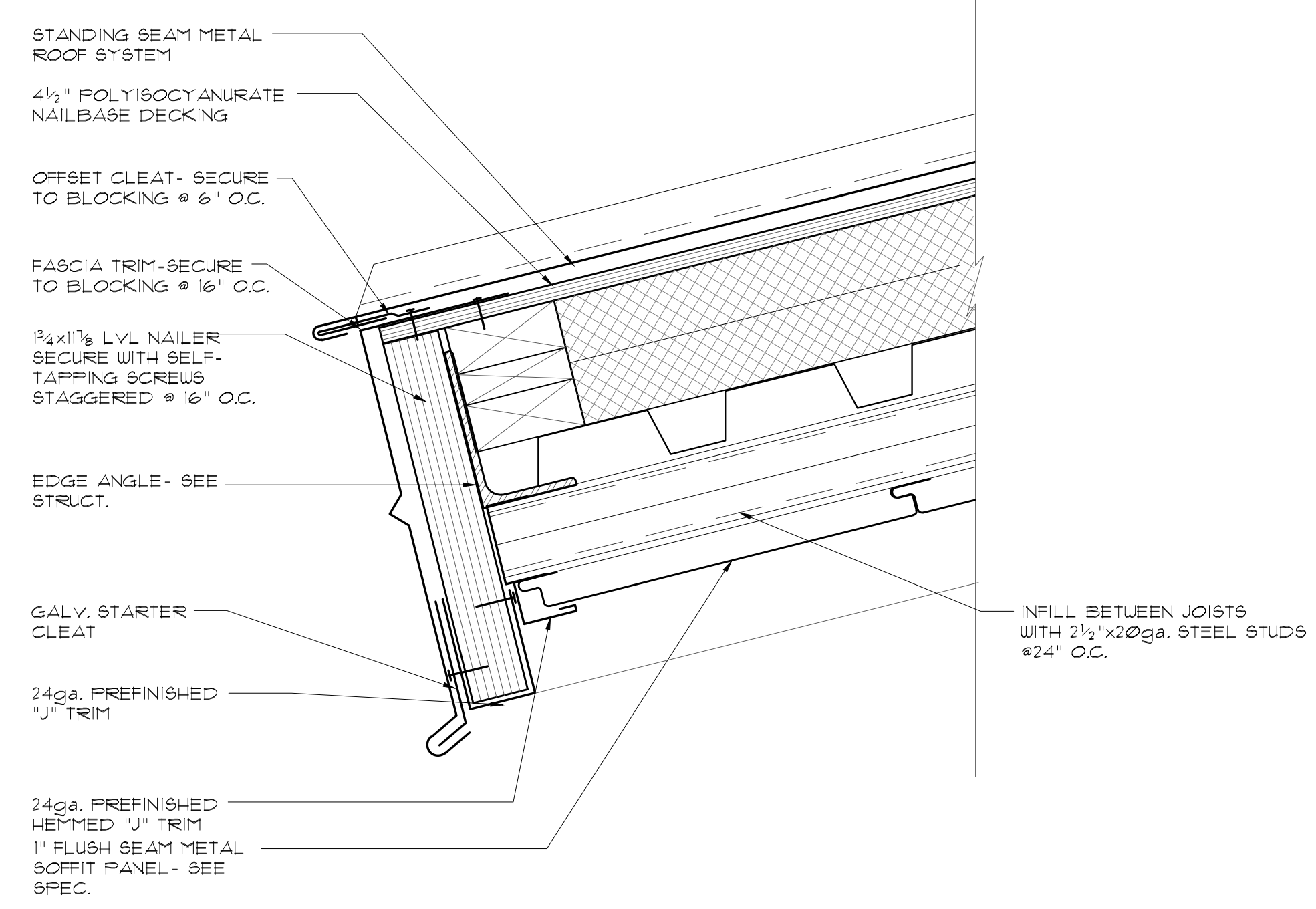
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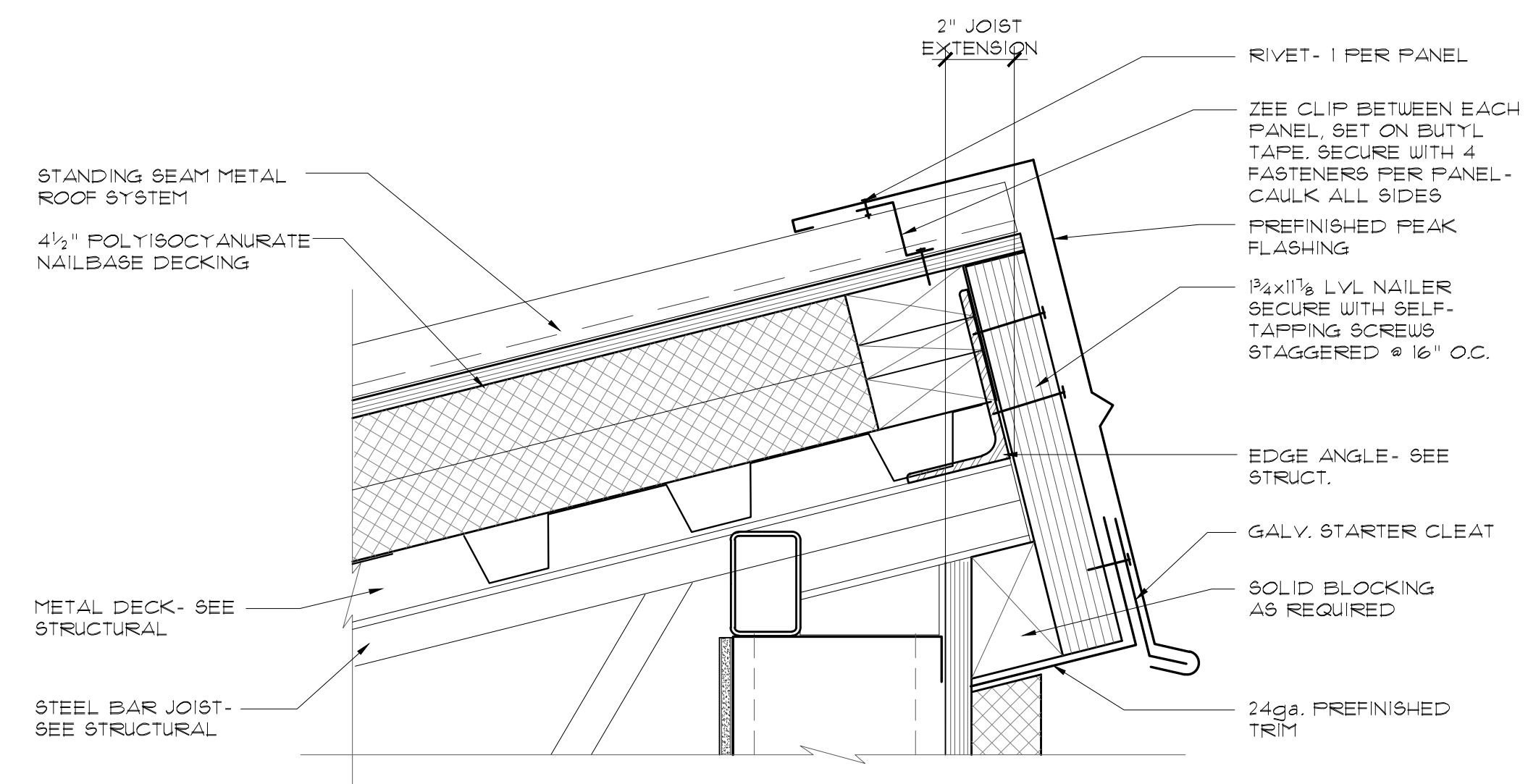
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WALL SECTIONS		Project: 220202
Drawn: BTW	Checked: CRR	Date: 09.26.22
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ROOF PLAN KEYED NOTES

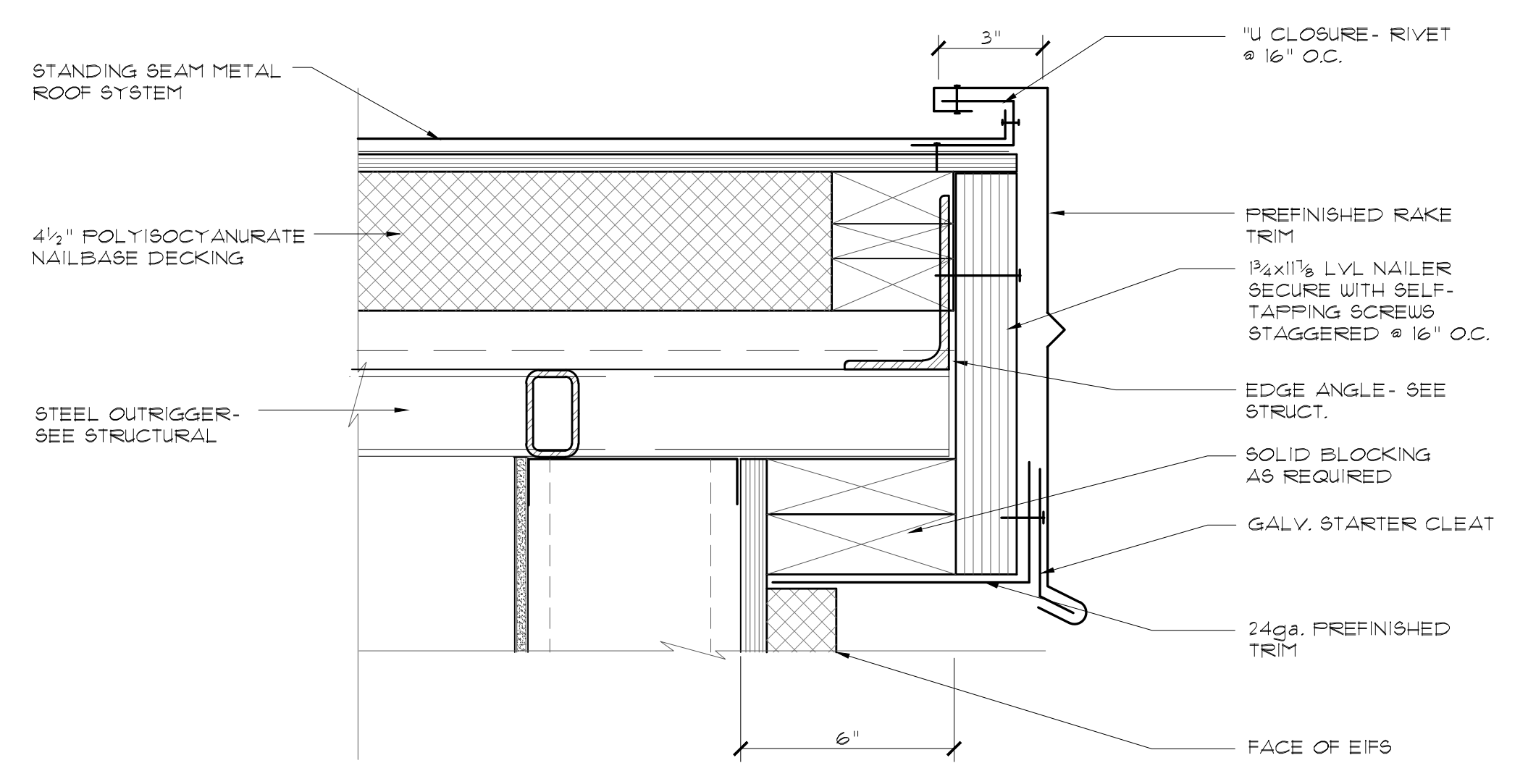
- 1 MECHANICALLY ATTACHED 80mil TPO MEMBRANE ON 2 LAYERS OF 2" POLYISOCYANURATE INSULATION - SEE SPEC.
- 2 STANDING SEAM METAL ROOF SYSTEM ON 4 1/2" POLYISOCYANURATE NAILBASE - SEE SPEC
- 3 TAPERED FOAM CRICKET-PROVIDE AS REQUIRED FOR POSITIVE DRAINAGE, 1/4" FT. SLOPE
- 4 ROOF DRAIN 4 OVERFLOW -SEE MECHANICAL
- 5 LINE OF WALL BELOW
- 6 ROOF MOUNTED MECHANICAL EQUIPMENT-SEE HVAC PLANS
- 7 VENT THRU ROOF-SEE PLUMBING PLANS
- 8 PROVIDE TRAFFIC PAD 3' WIDE x FULL LENGTH OF ROOFTOP UNIT, ON MAINTENANCE SIDE OF UNIT. COORDINATE W/ MECHANICAL CONTRACTOR.
- 9 PREFINISHED SNAP ON METAL COPING-SEE DETAIL
- 10 MECHANICAL ROOF PENETRATION-SEE MECHANICAL PLANS
- 11 LINE OF SUNSHADE BELOW
- 12 PREFINISHED GUTTER -SEE DETAIL



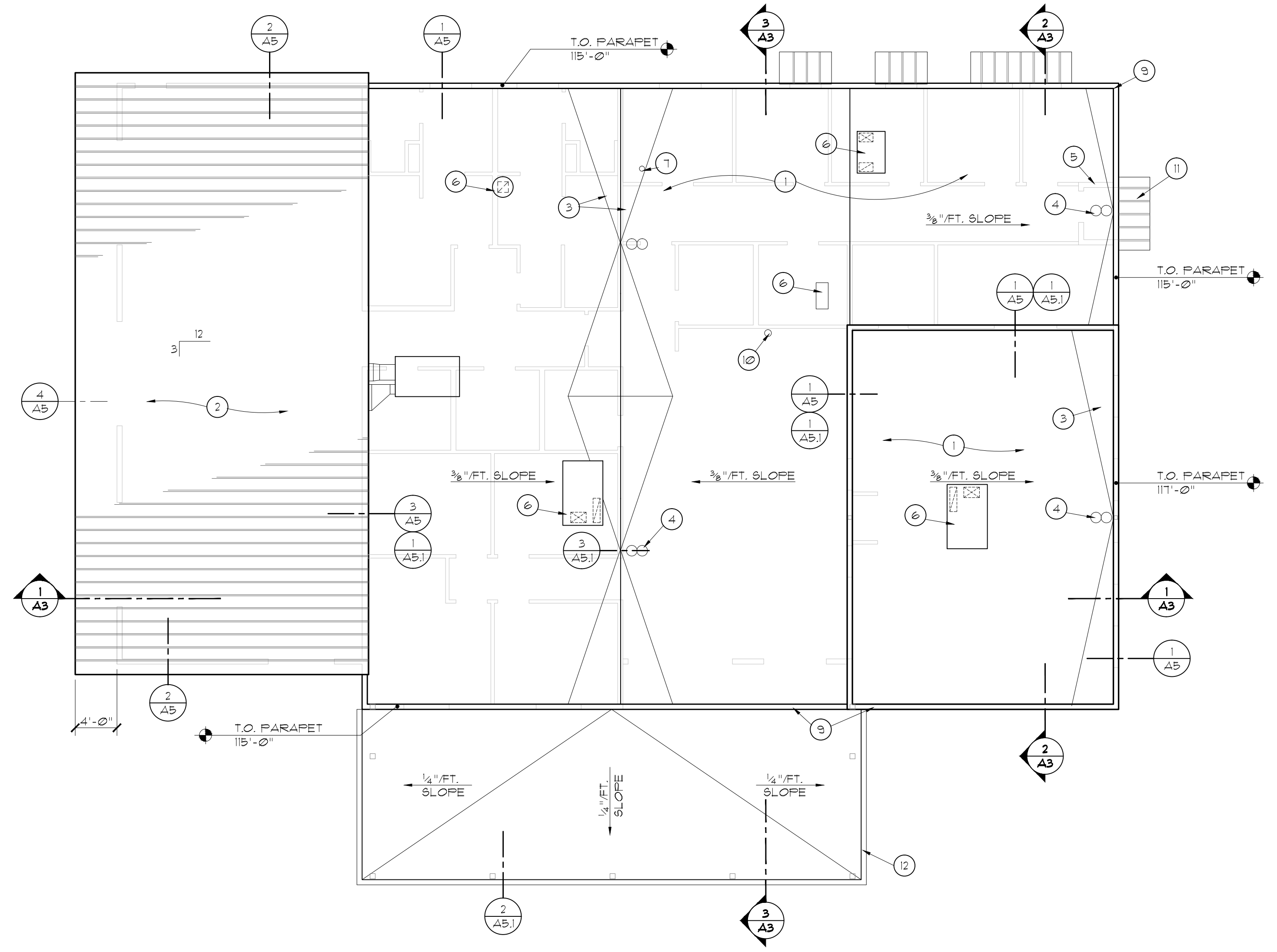
4 LOW EAVE @ STANDING SEAM
SCALE: 3/8"=1'-0"



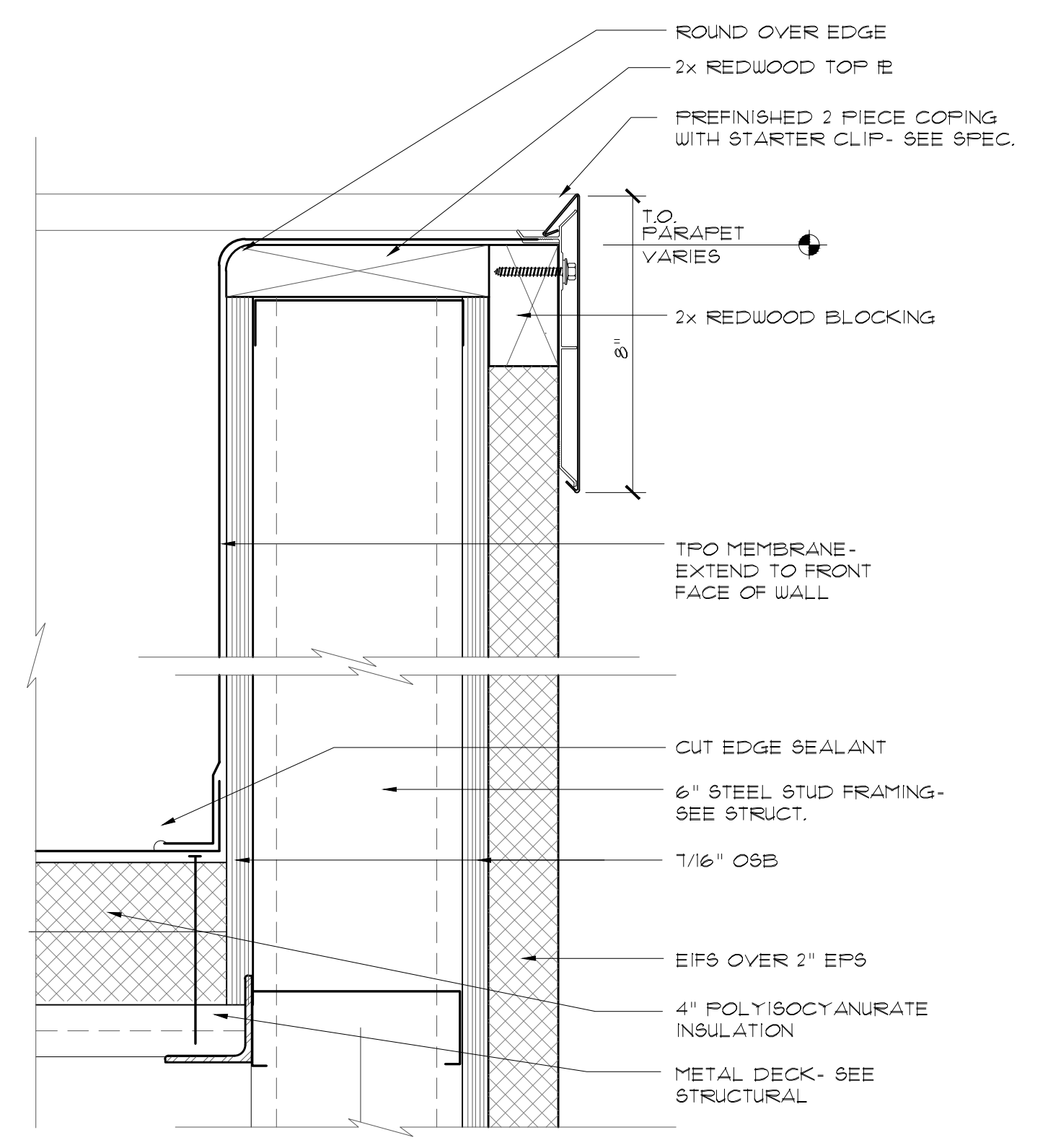
3 HIGH EAVE @ STANDING SEAM
SCALE: 3/8"=1'-0"



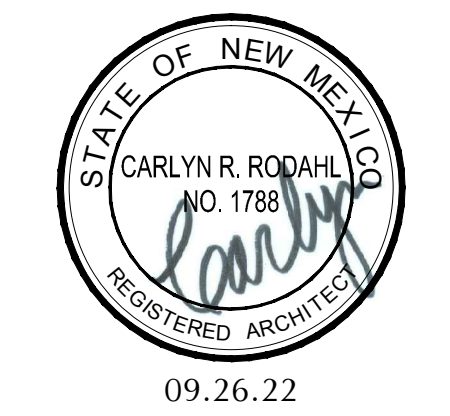
2 RAKE @ STANDING SEAM
SCALE: 3/8"=1'-0"



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



1 TYPICAL PARAPET
SCALE: 3/8"=1'-0"

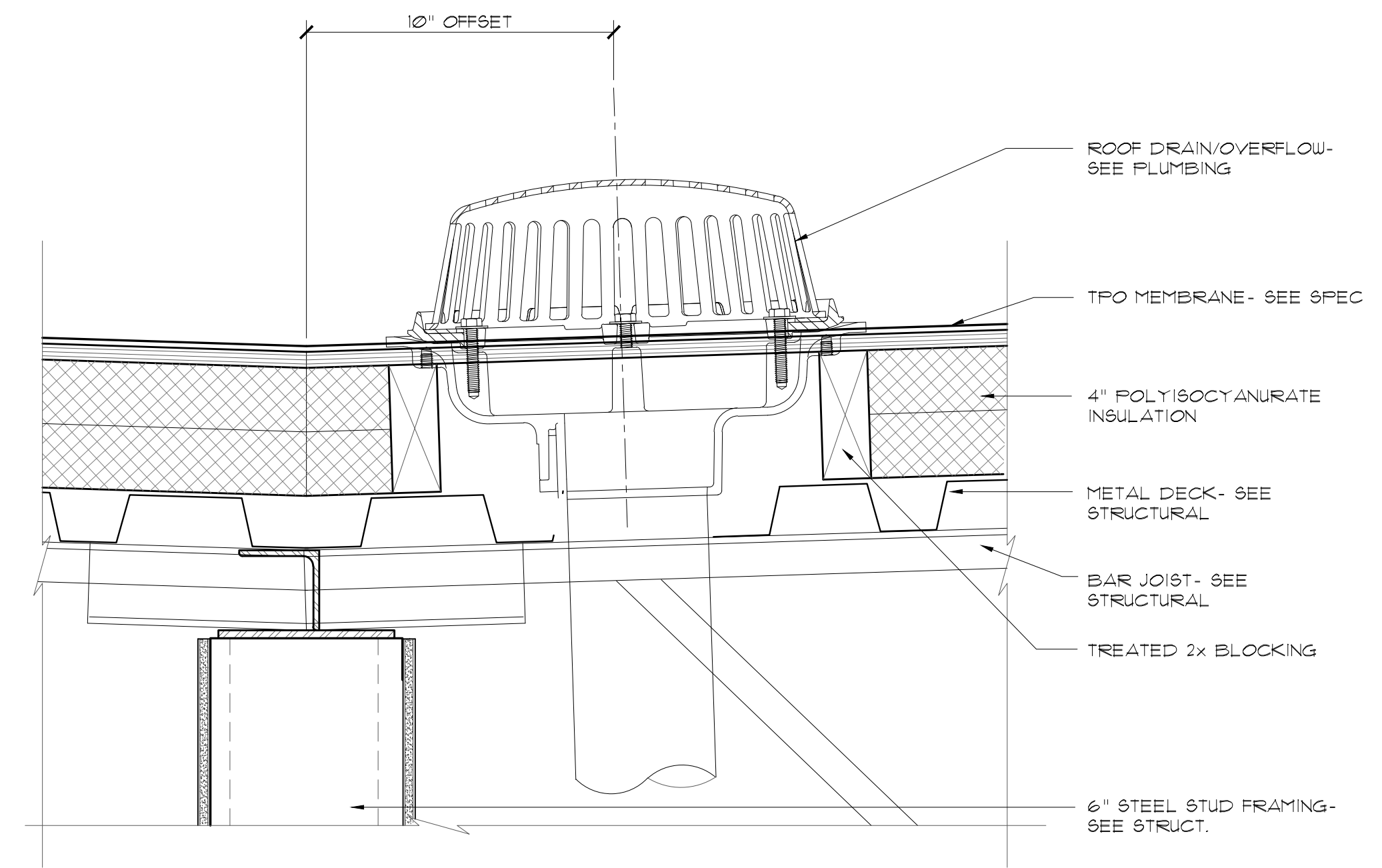


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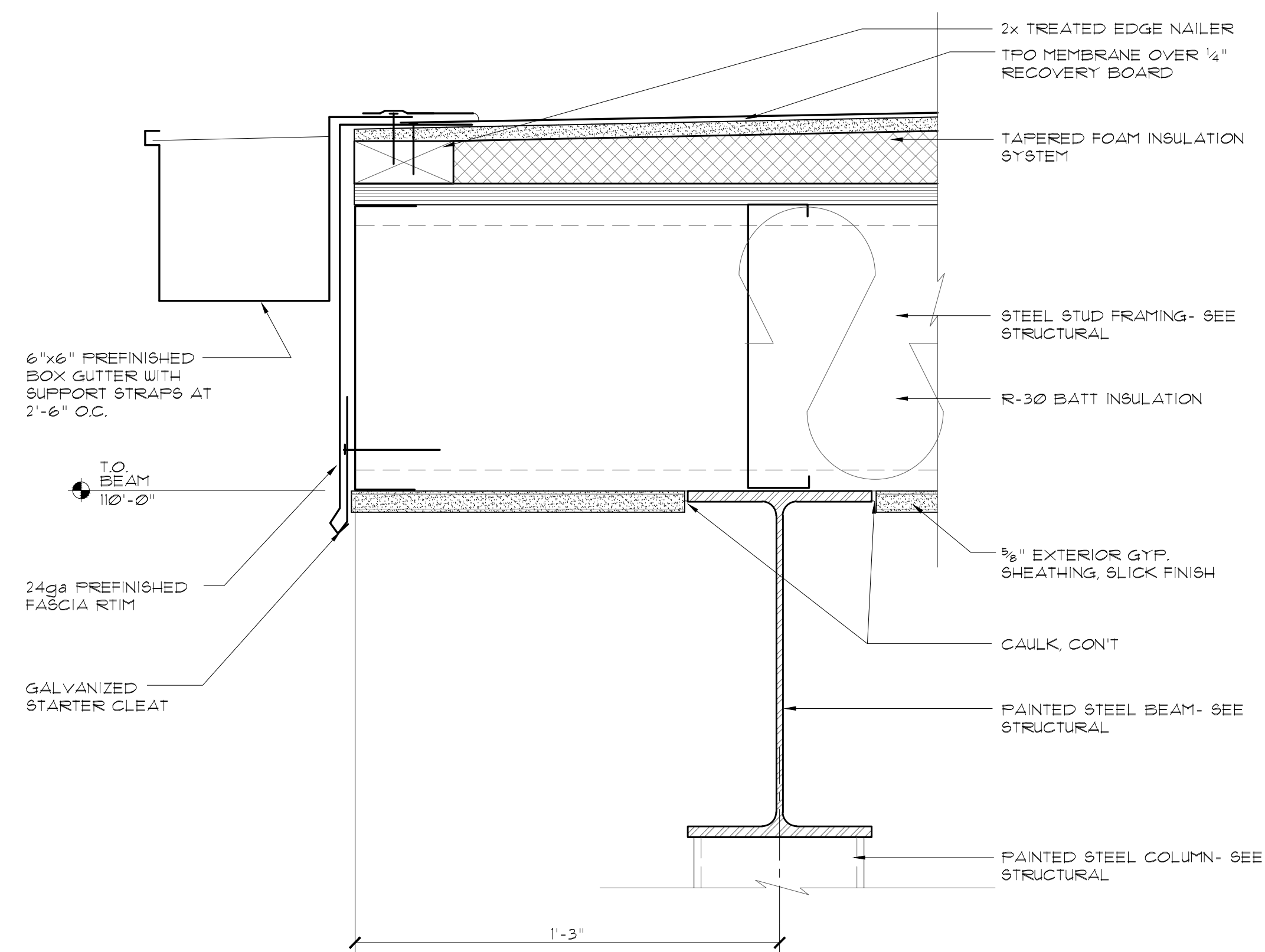
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM

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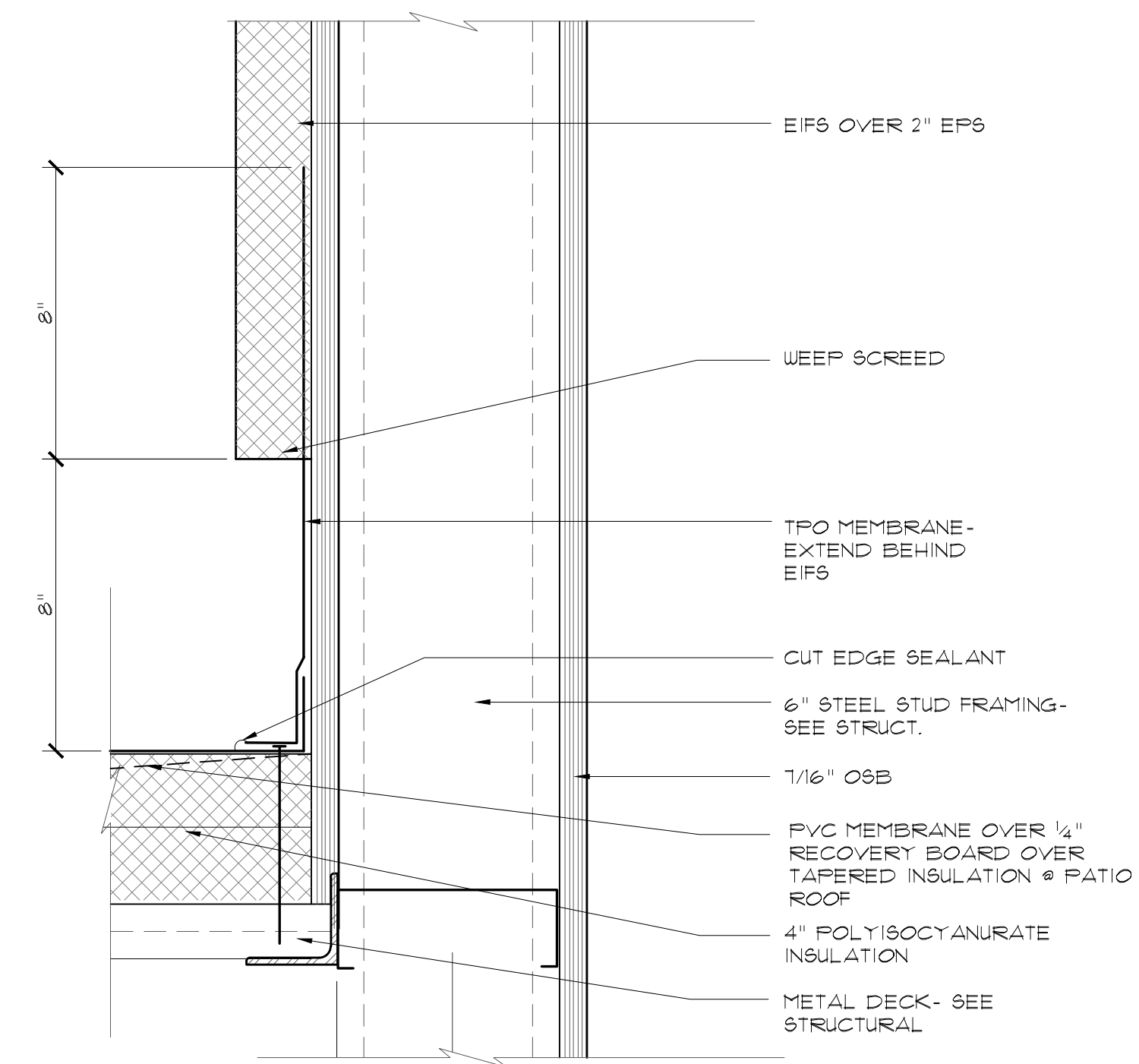
File name: | Project: 220202 | Sheet: **A5**



3 ROOF DRAIN/OVERFLOW
SCALE: 3"=1'-0"



2 PATIO TRIM
SCALE: 3"=1'-0"



1 TYP. SIDEWALL @ EIFS
SCALE: 3"=1'-0"



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FACILITY
FARMINGTON, NM
ROOF PLAN

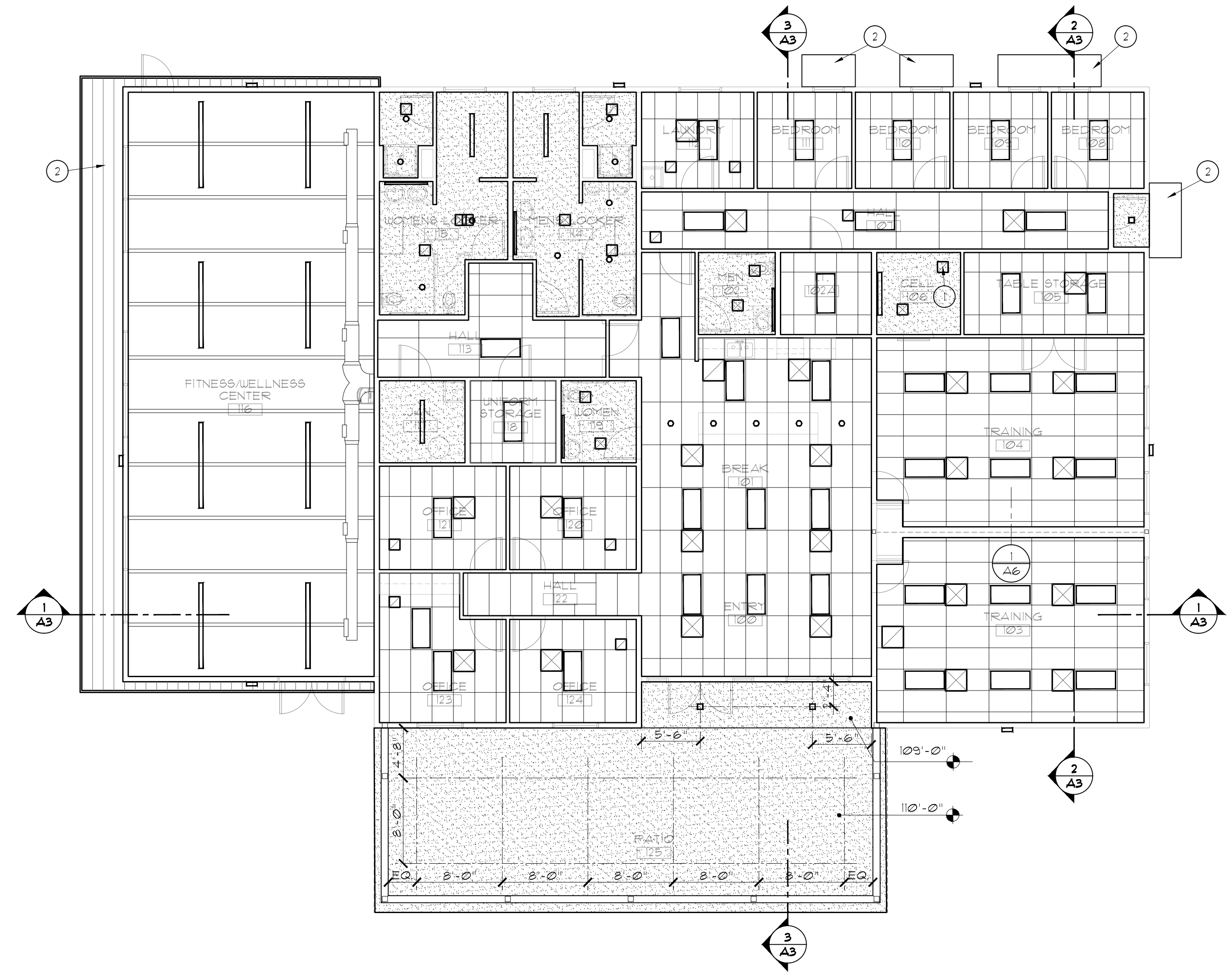
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Date: 09.26.22

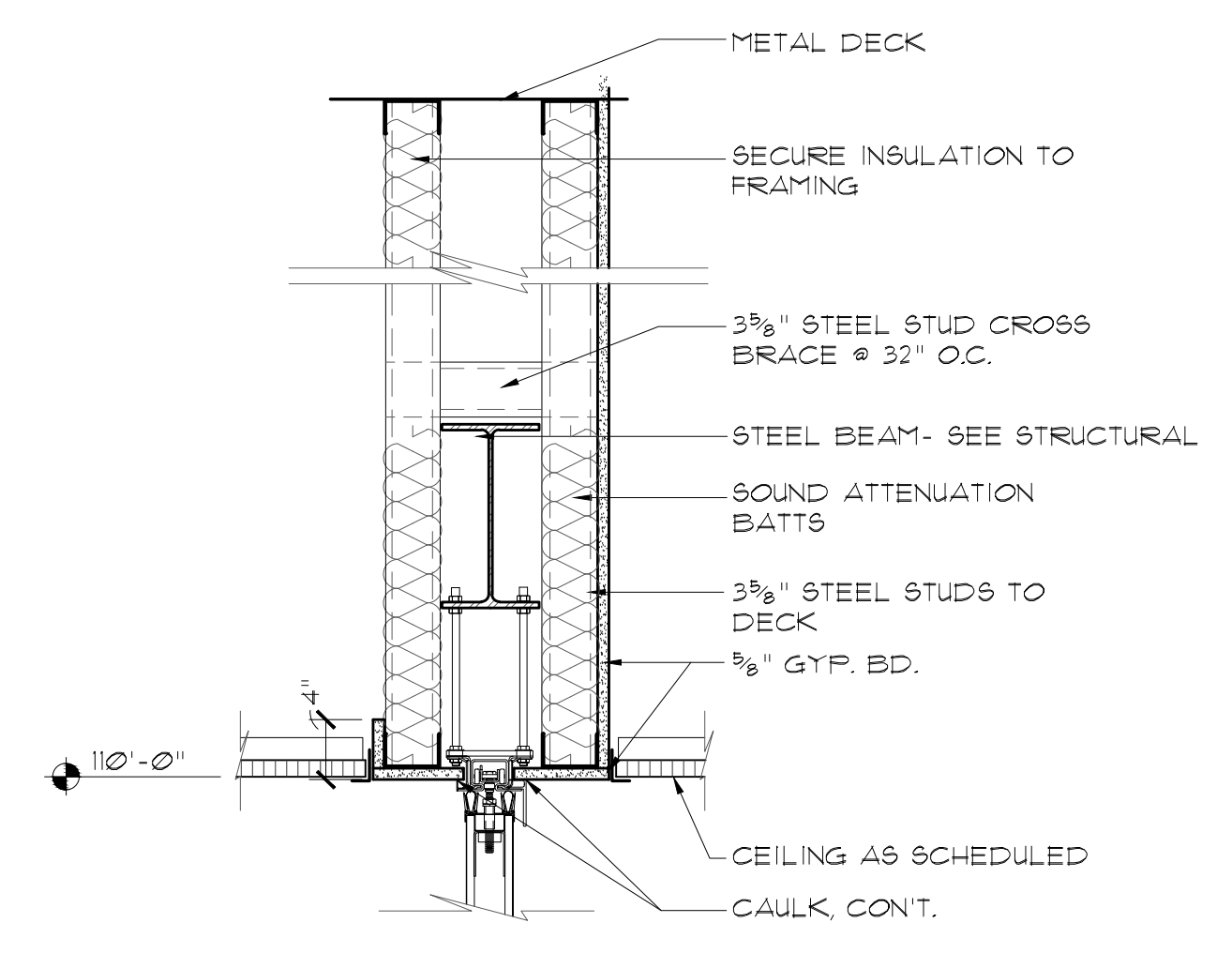
A5.1

**REFLECTED CEILING PLAN
KEYED NOTES**

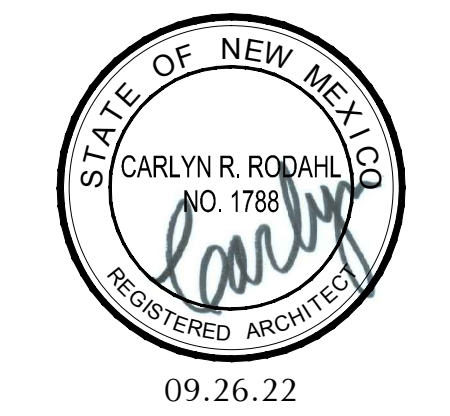
- 1 VENT IN ROOM 106 TO BE OWNER PROVIDED FOR INSTALLATION BY MECHANICAL CONTRACTOR.
- 2 PREFABRICATED ALUM. SUNSHADE - GENERAL AWNINGS, AUSTIN MODEL, 3" PROJECT, 8:12 PITCH, SEE ELEVATIONS FOR WIDTH.
- 3 FLUSH SEAM METAL SOFFIT PANELS-SEE SPEC




REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"



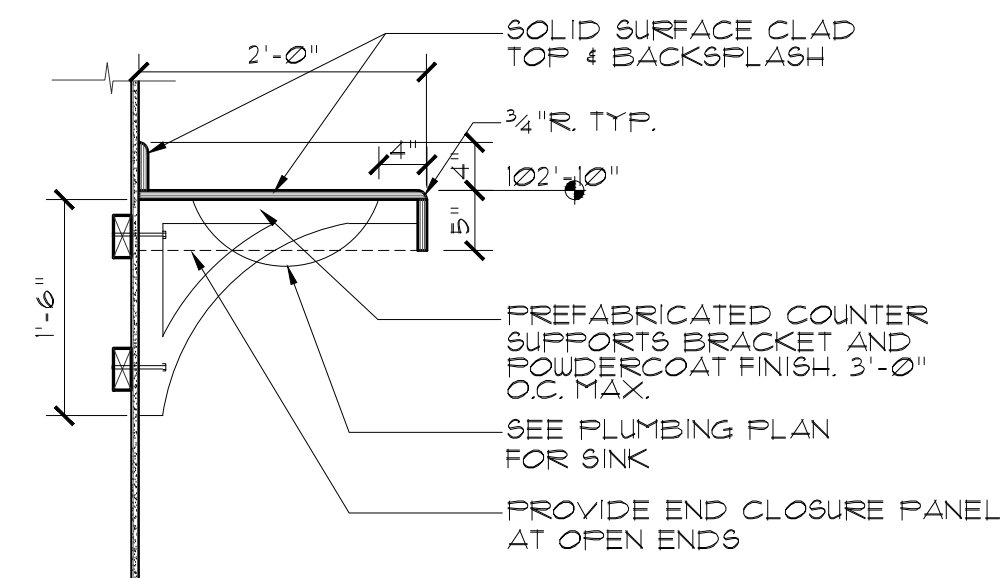
FOLDING PARTITION HEAD
SCALE: 1"=1'-0"



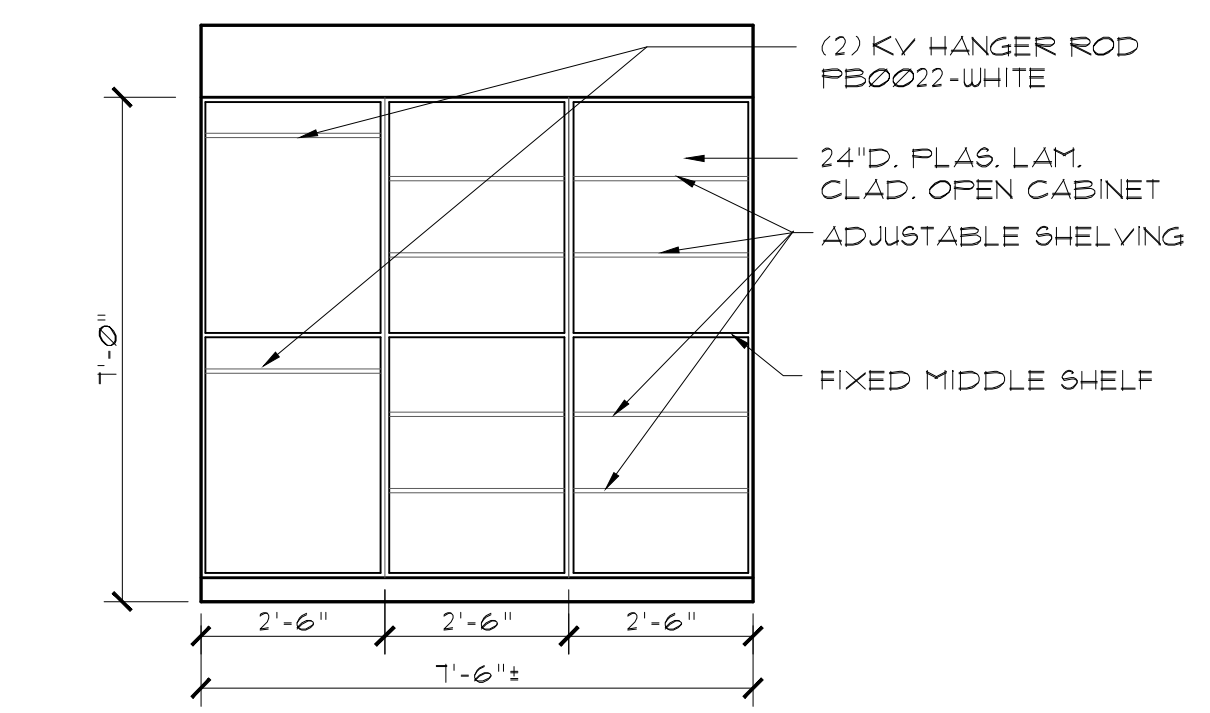
 RODAHL & HUMMELL ARCHITECTURE, P.C. 609 North Dustin Farmington, NM 87401 Phone: (505) 326-6442		Filename:
		Project: 220202
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM		Sheet:
Drawn: BTW	Checked: CRR	Date: 09.26.22
		A6

EQUIPMENT SCHEDULE

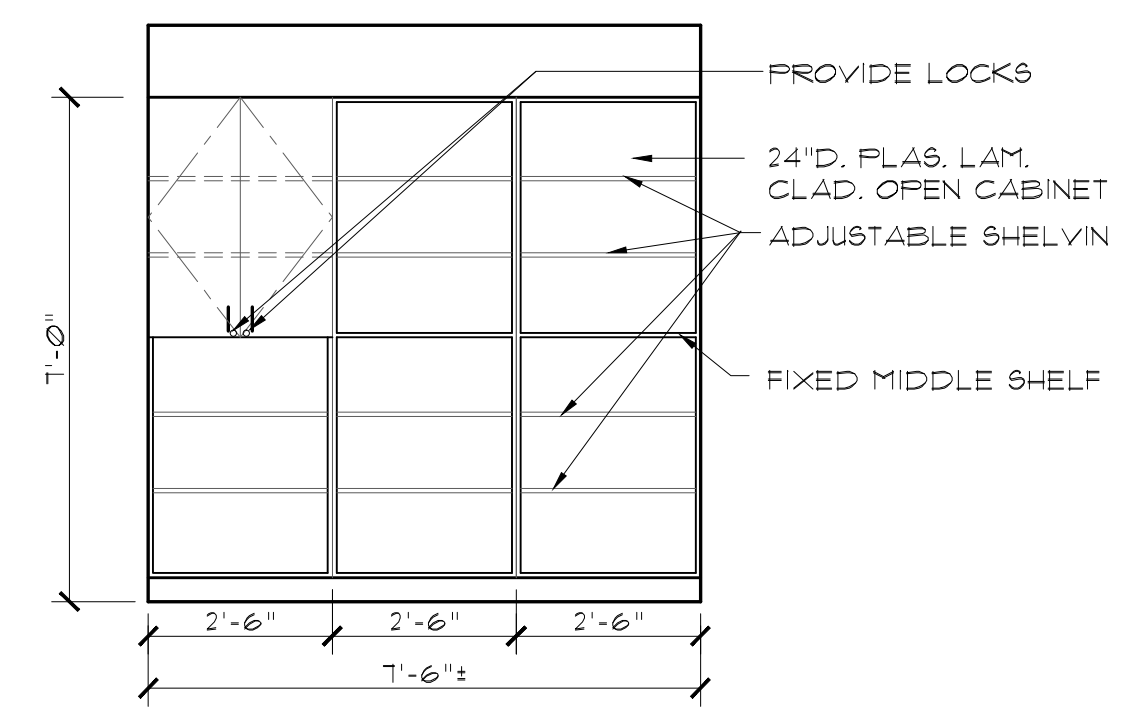
- 1 FIRE EXTINGUISHER AND CABINET- SEE SPEC. 104440
- 2 HORIZONTAL METAL BLIND- SEE SPEC. 122413
- 3 GRAB BARS- BOBRICK 550-36 AT REAR, 550-42 AT SIDE & 550-18 VERTICALLY AT SIDE
- 4 TOILET PAPER HOLDER- OWNER PROVIDED, CONTRACTOR INSTALLED
- 5 MIRROR- BOBRICK B-290-2430
- 6 SOAP DISPENSER- BOBRICK B-2111
- 7 PAPER TOWEL DISPENSER- BOBRICK B-262
- 8 TOILET PARTITIONS- SEE SPEC. 102116
- 9 SHOWER ROD & CURTAIN- BOBRICK B-201 AND 204-2, WITH T-204-1
- 10 ROBE HOOK- BOBRICK B6101
- 11 TOWEL BAR- BOBRICK B330-24"
- 12 MOP RACK- BOBRICK B223-36
- 13 8'x4' WHITEBOARD- SEE SPEC. 101100
- 14 STEEL LOCKERS- SEE SPEC. 105113
- 15 STAINLESS STEEL CORNER GUARDS- SEE SPEC.
- 16 REFRIGERATOR- BY OWNER
- 17 OVEN- BY OWNER
- 18 FOLDING PARTITION- SEE SPEC. 102226
- 19 KNOX BOX- MOUNT AT 6'-0" AFF, MODEL 3210 RECESSED
- 20 WASHER & DRYER BY OWNER
- 21 RANGE HOOD WITH FIRE SUPPRESSION SYSTEM, BROAN 4000 HOOD WITH GUARDIAN G3000B FIRE SUPPRESSION SYSTEM WITH WIRELESS GAS SHUT-OFF. MOUNT EQUIPMENT IN CABINET ABOVE.



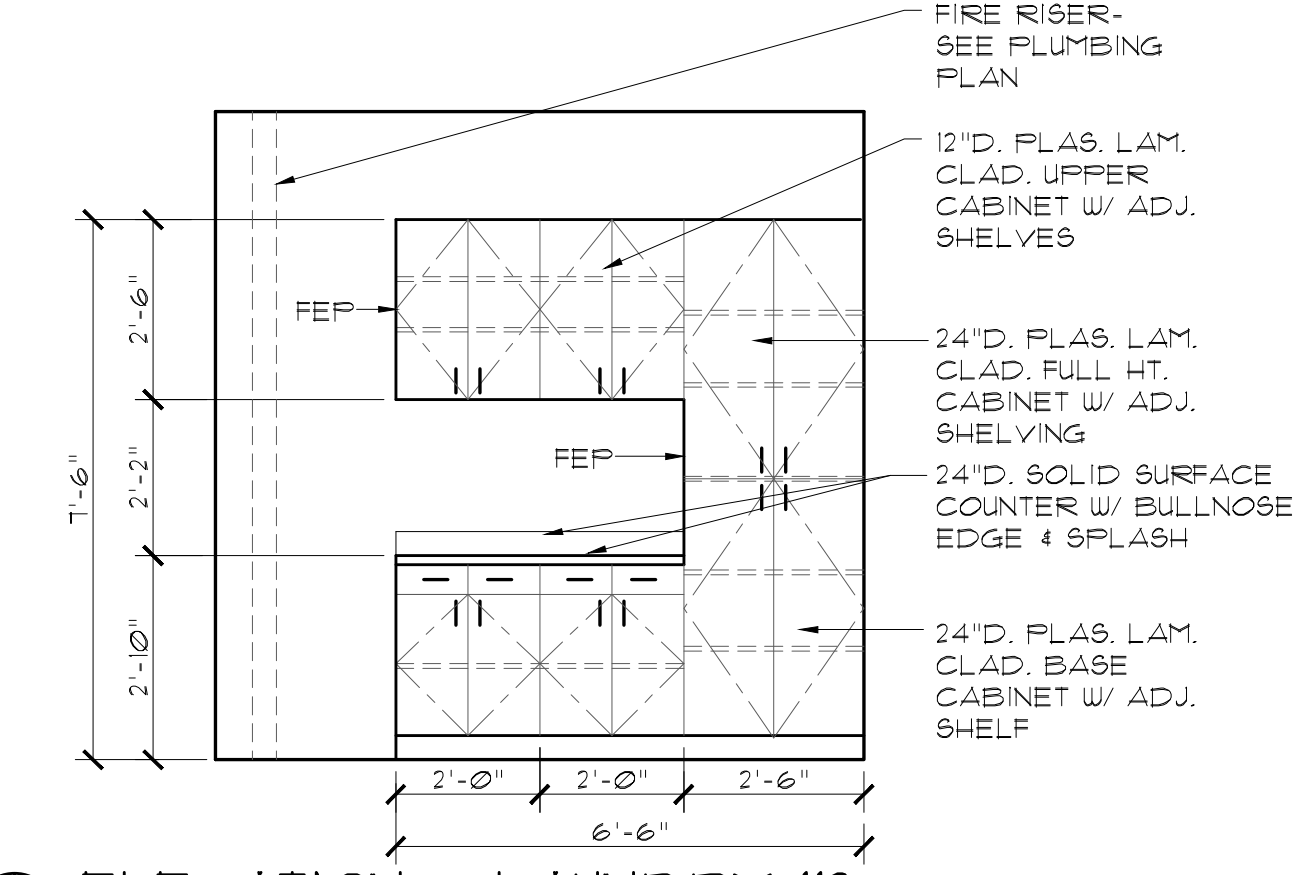
11 LAVATORY SECTION
SCALE: 3/4"=1'-0"



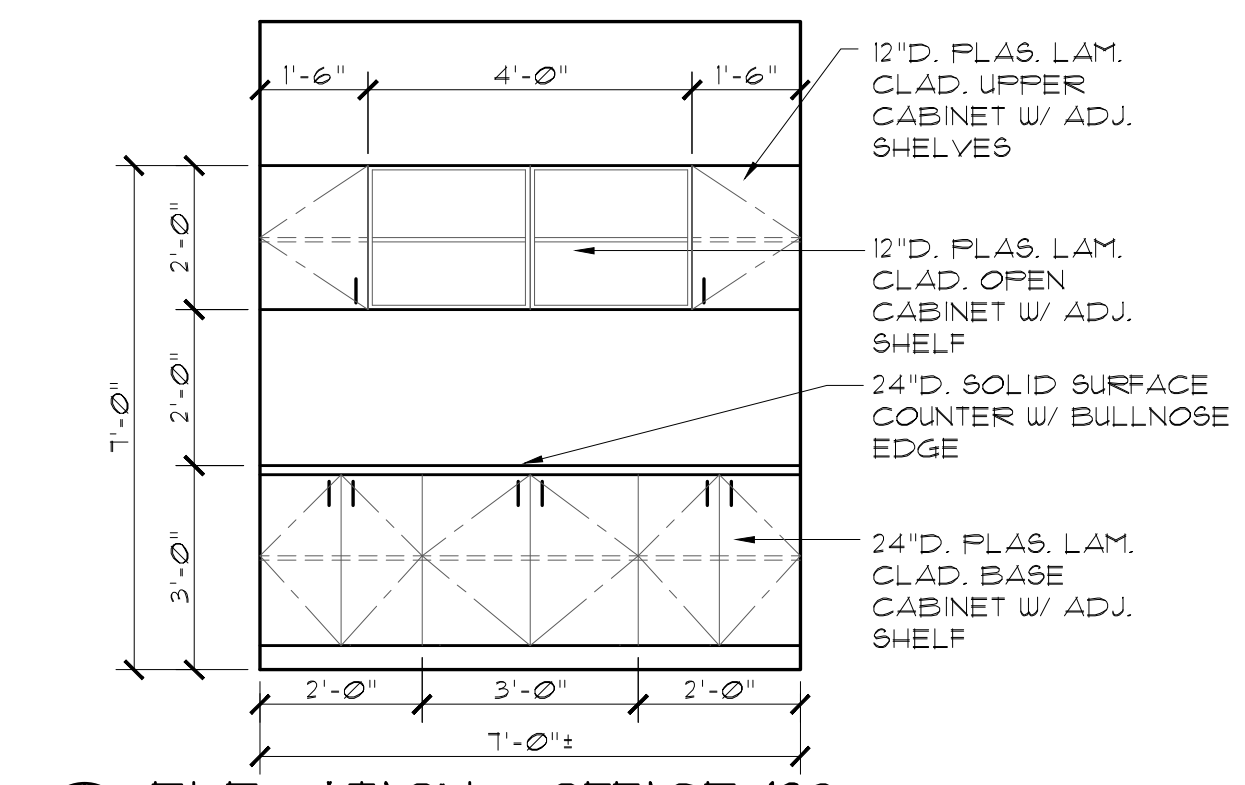
10 ELEVATION @ UNIFORM STOR. 118
SCALE: 3/8"=1'-0"



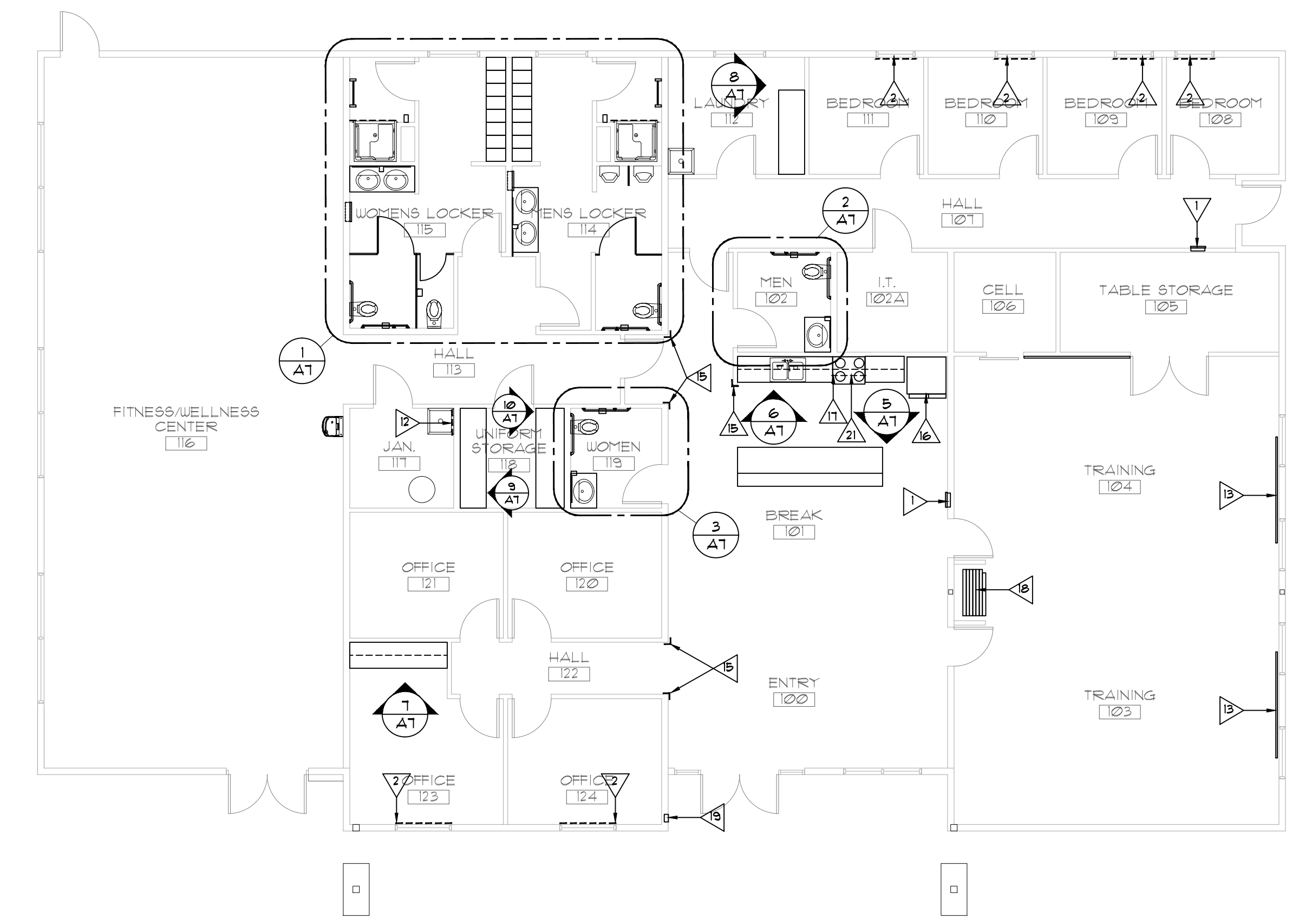
9 ELEVATION @ UNIFORM STOR. 118
SCALE: 3/8"=1'-0"



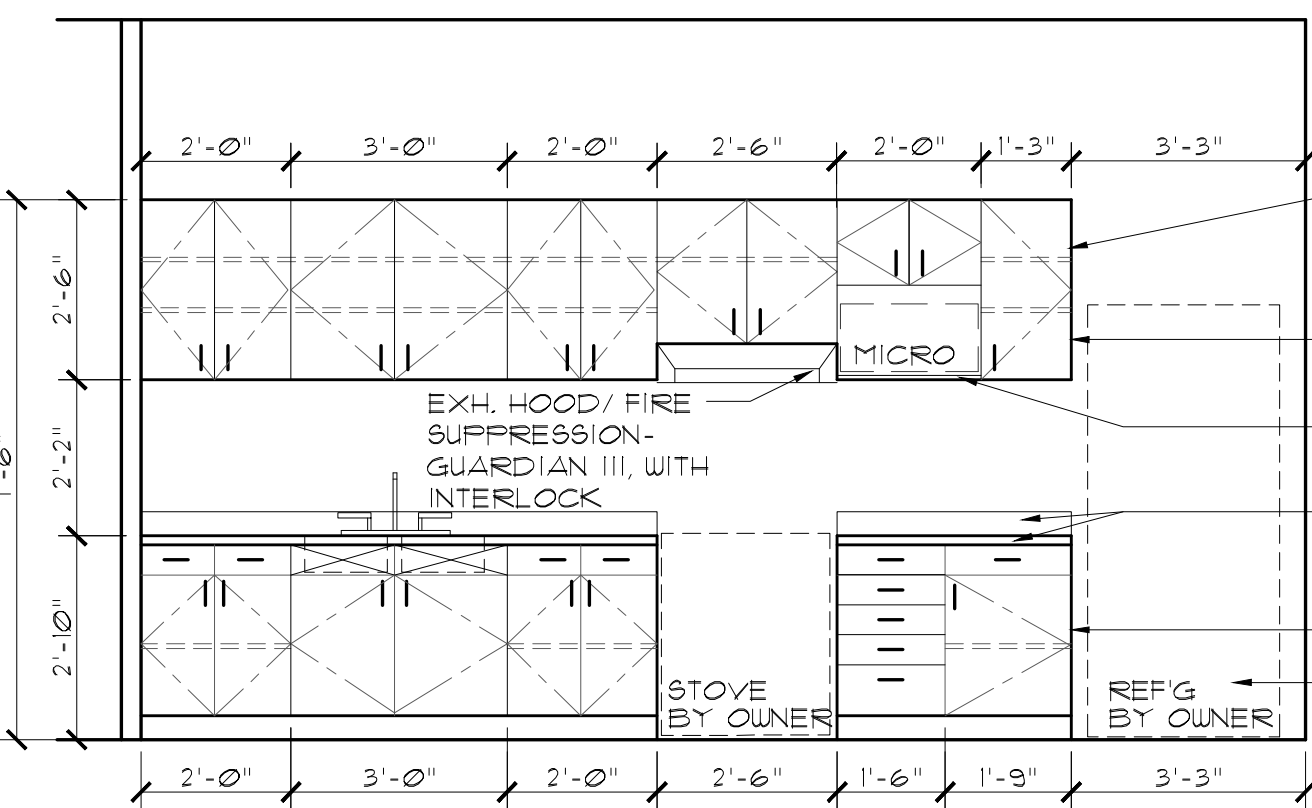
8 ELEVATION @ LAUNDRY 112
SCALE: 3/8"=1'-0"



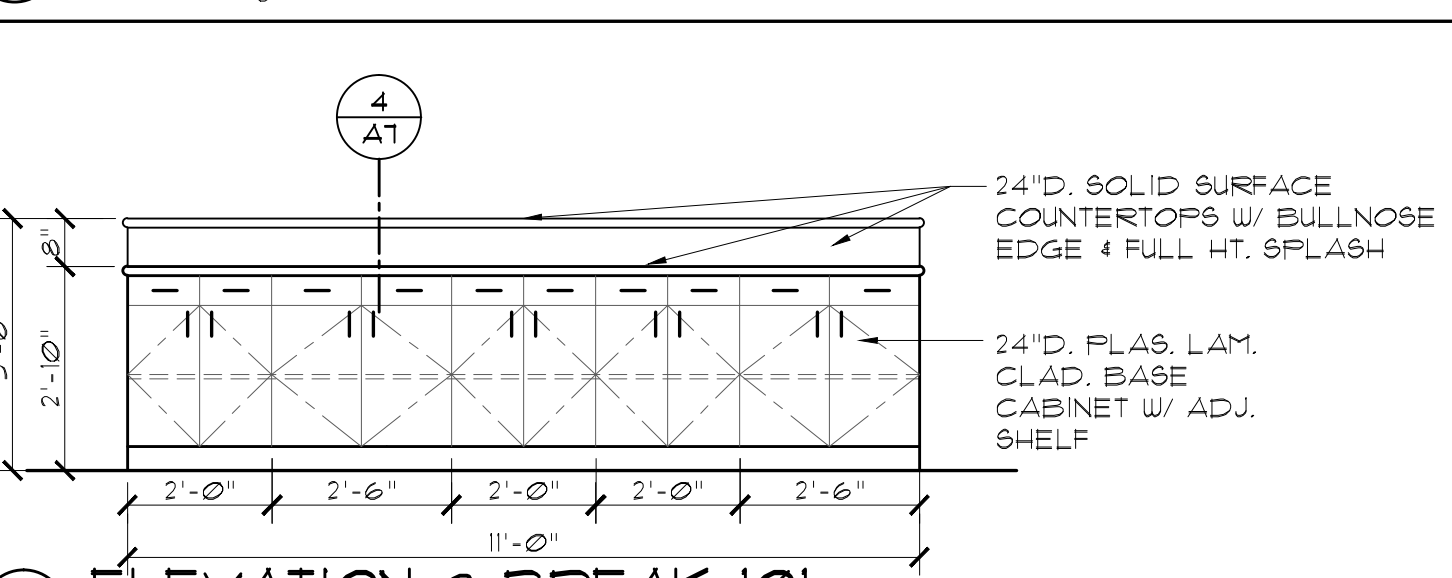
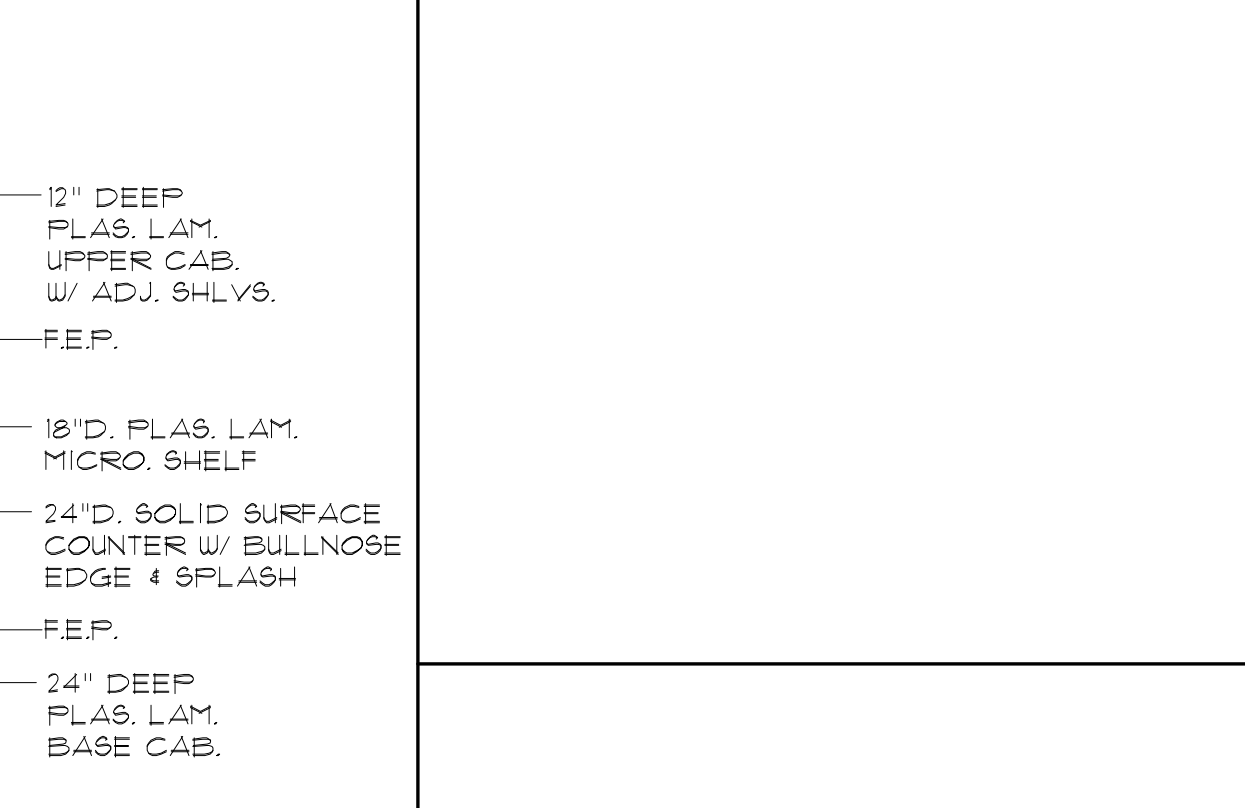
7 ELEVATION @ OFFICE 123
SCALE: 3/8"=1'-0"



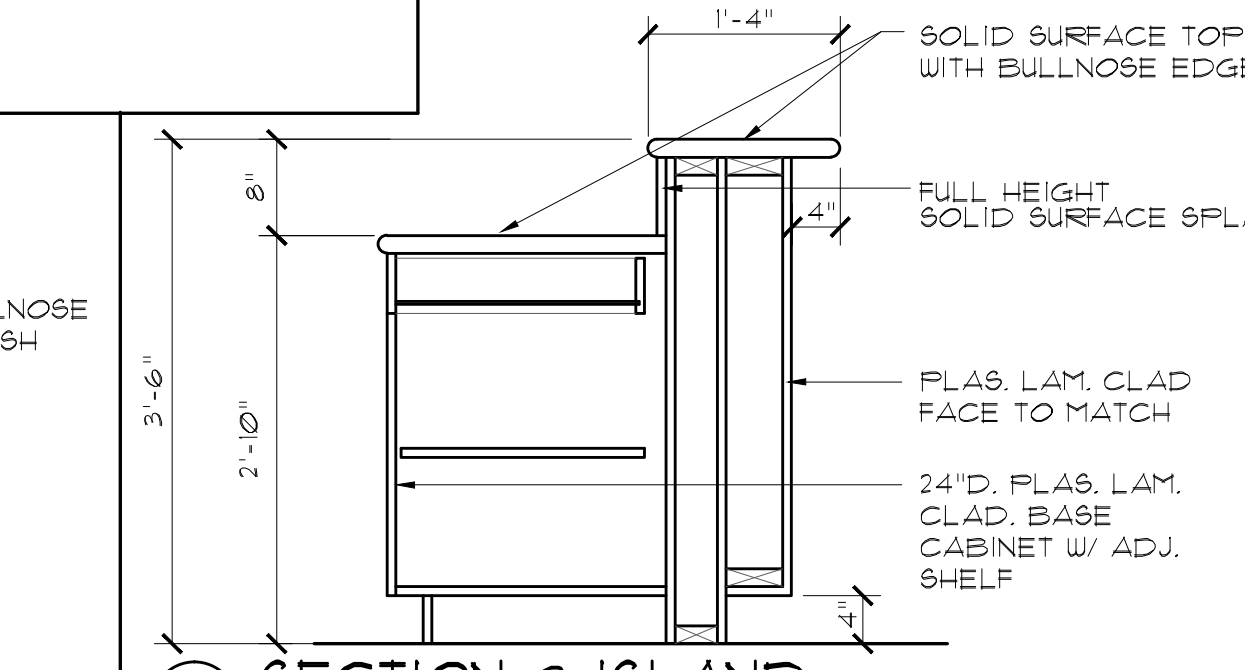
EQUIPMENT PLAN
SCALE: 1/8"=1'-0"



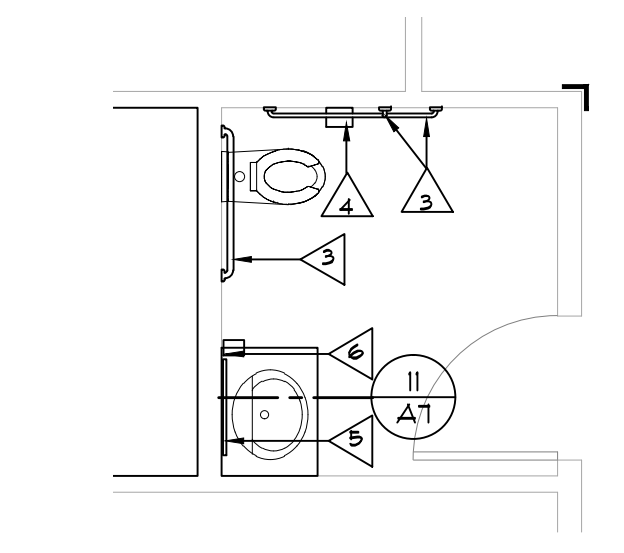
6 ELEVATION @ BREAK 101
SCALE: 3/8"=1'-0"



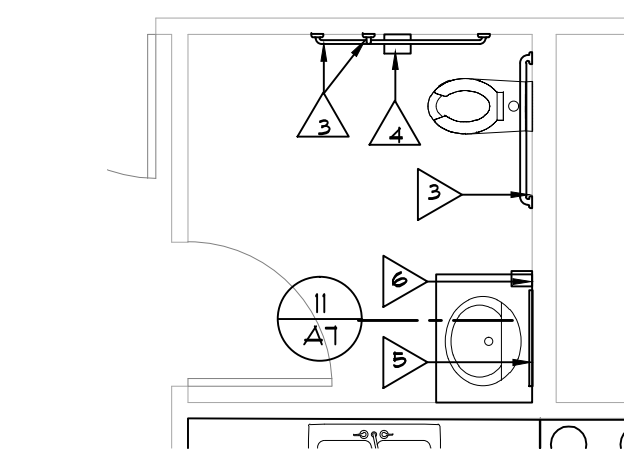
5 ELEVATION @ BREAK 101
SCALE: 3/8"=1'-0"



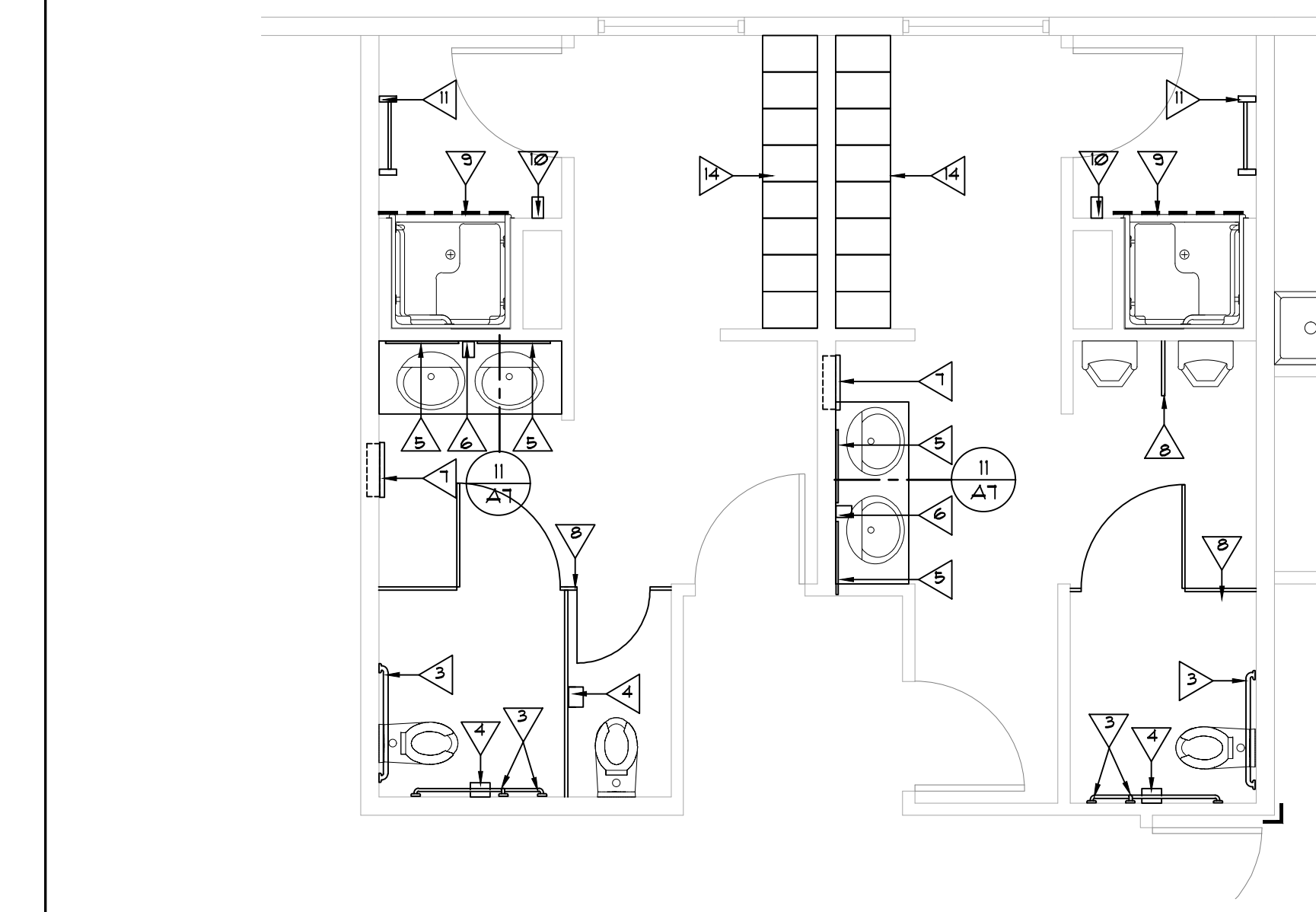
4 SECTION @ ISLAND
SCALE: 3/4"=1'-0"



3 ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"



2 ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"



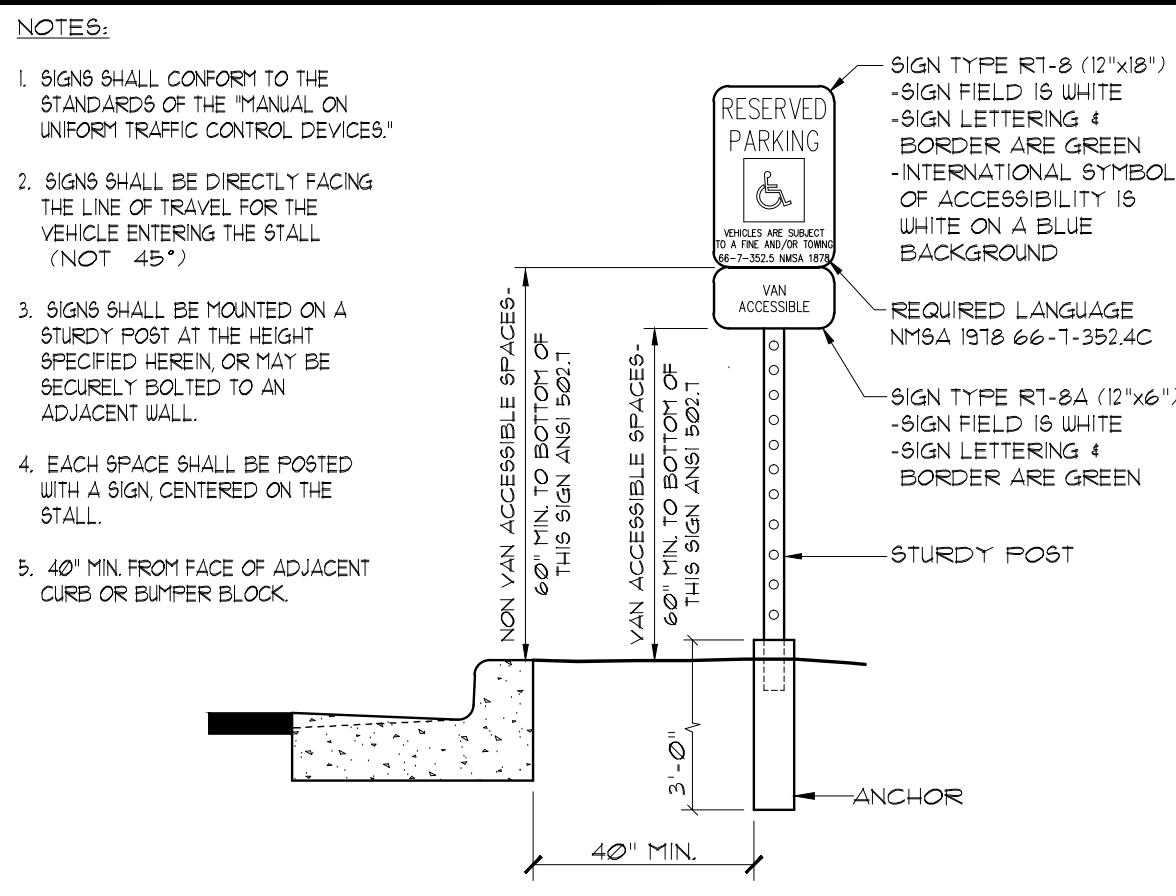
1 ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"



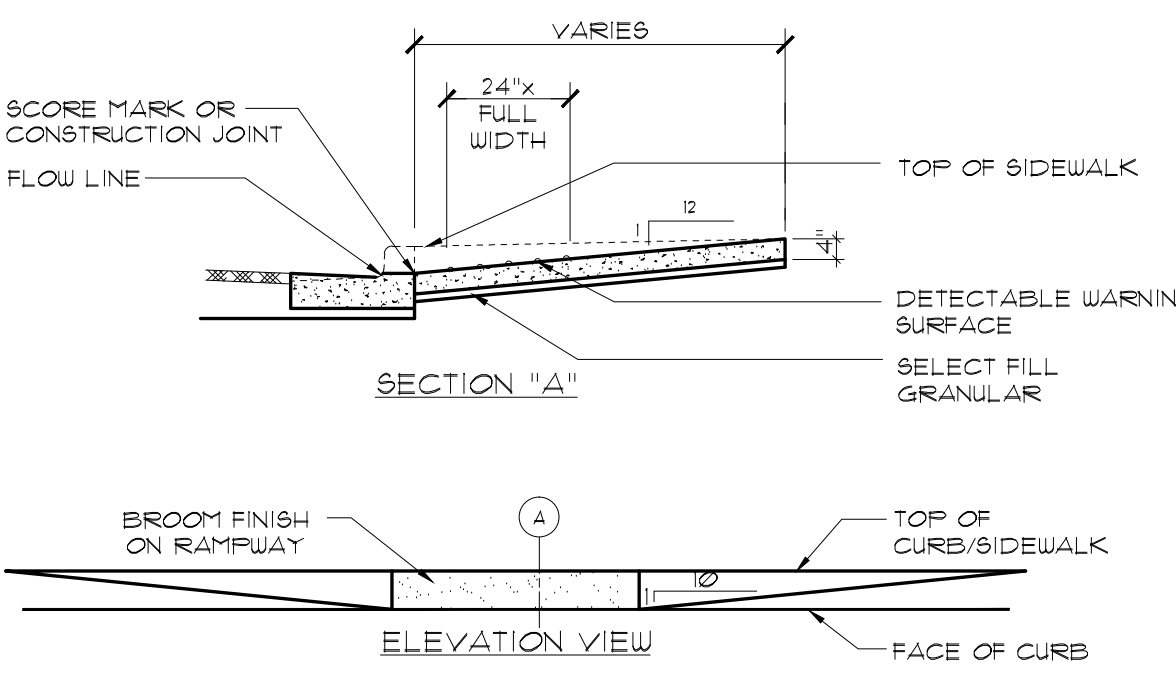
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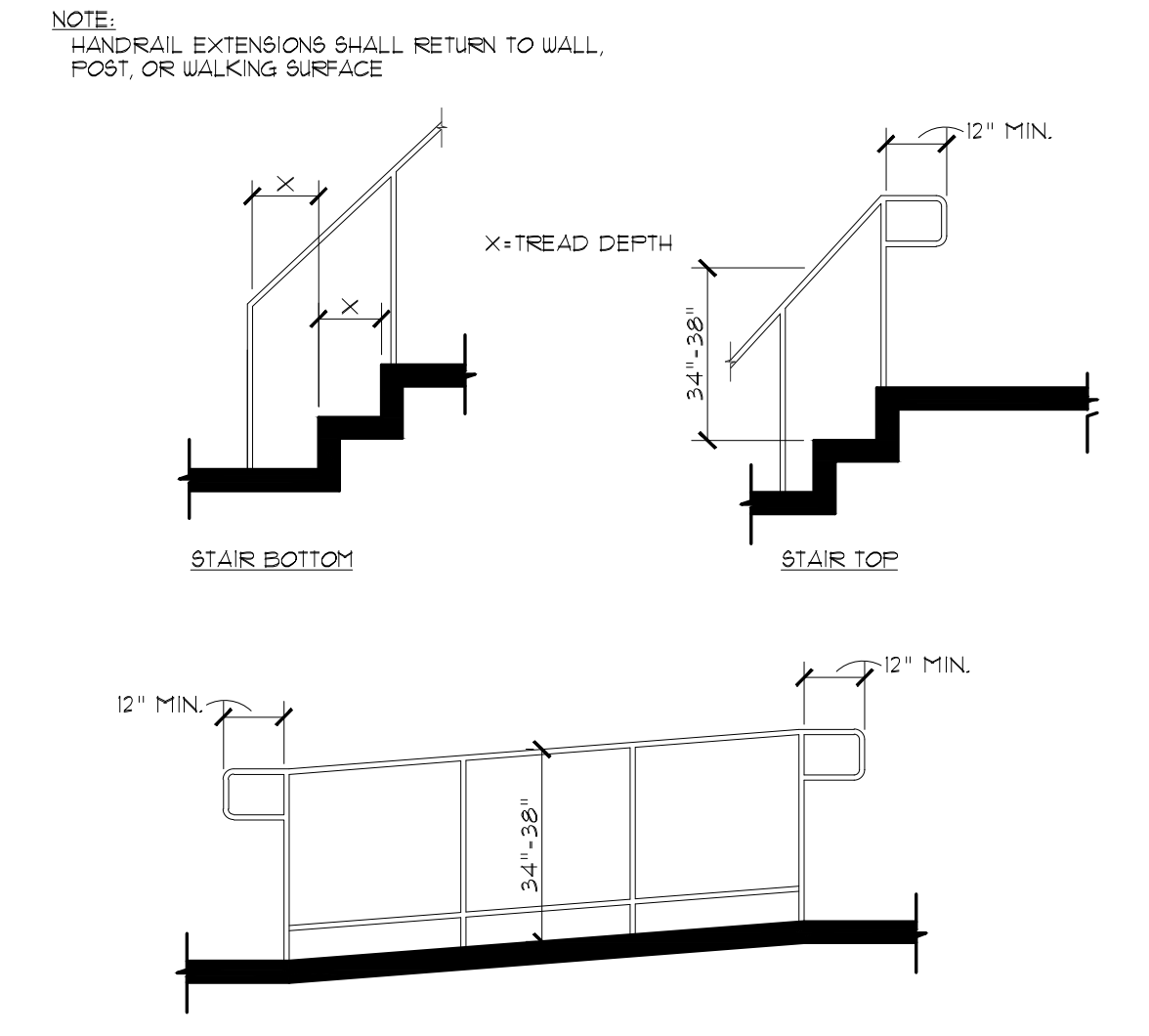
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM EQUIPMENT PLAN		Filename:
Drawn: BTW	Checked: CRR	Project: 220202
Date: 09.26.22		Sheet: A7



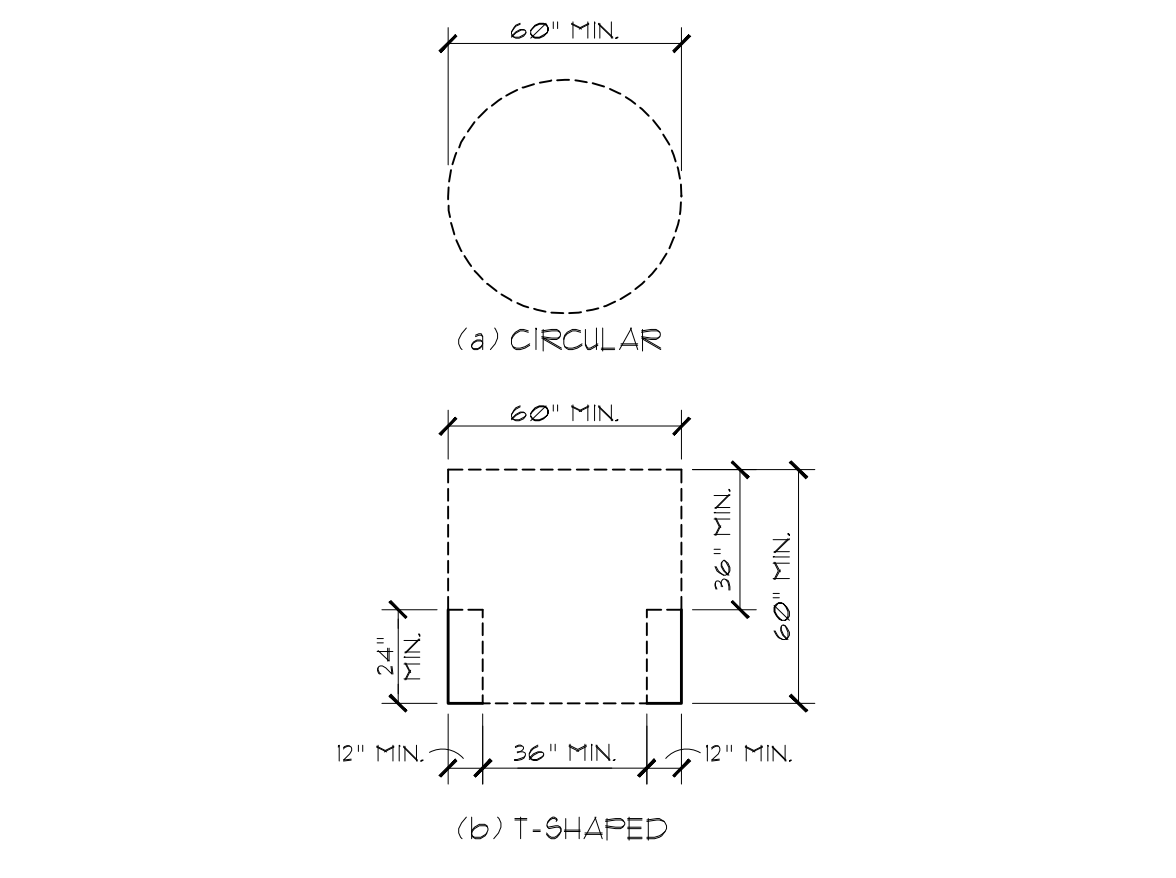
1 HANDICAP PARKING SIGN
HC-1



2 CURB RAMP IN SIDEWALK
HC-1



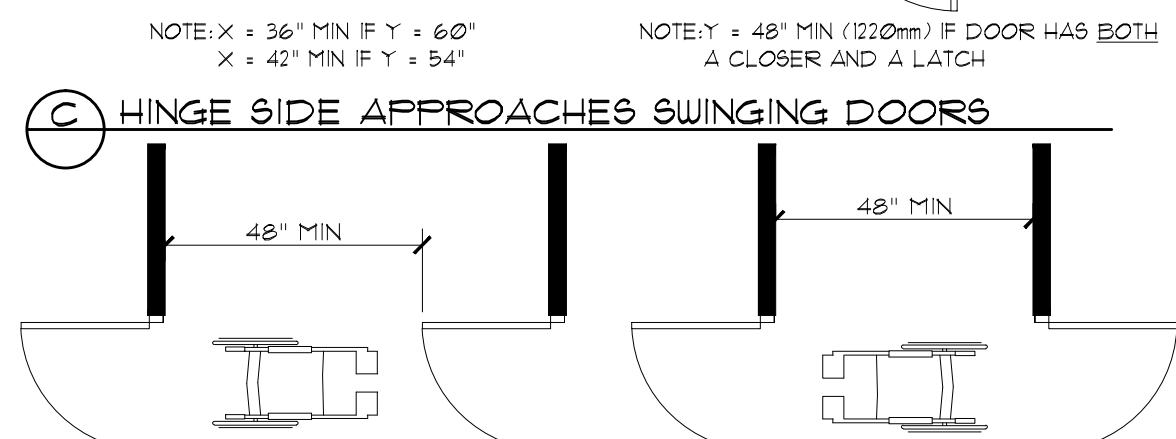
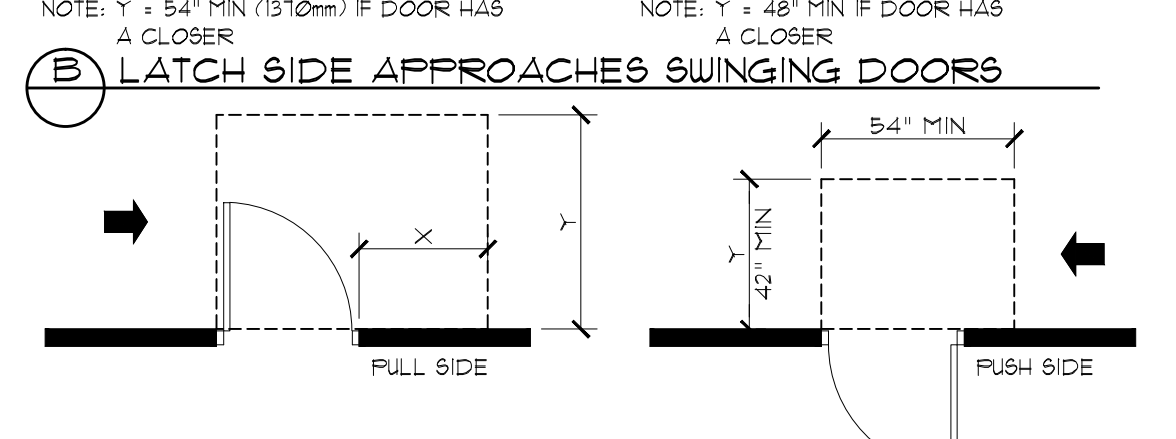
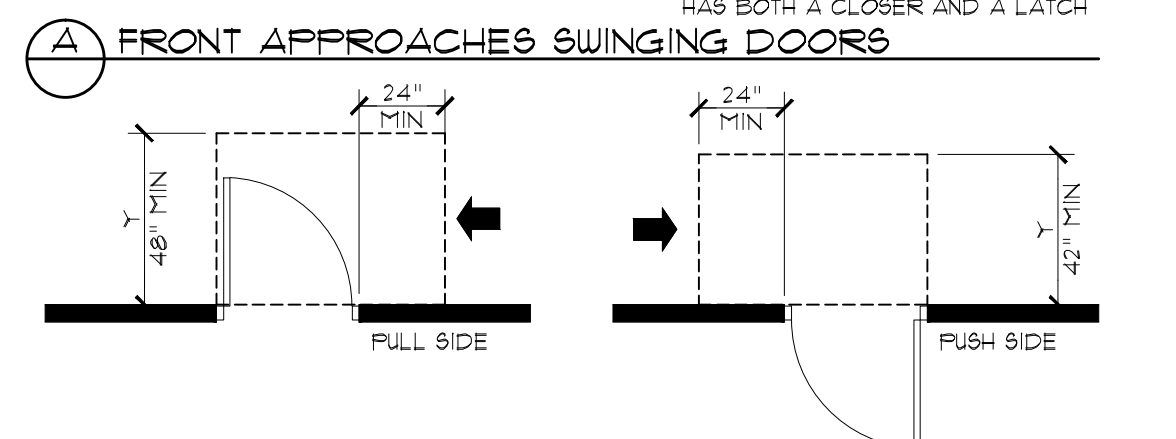
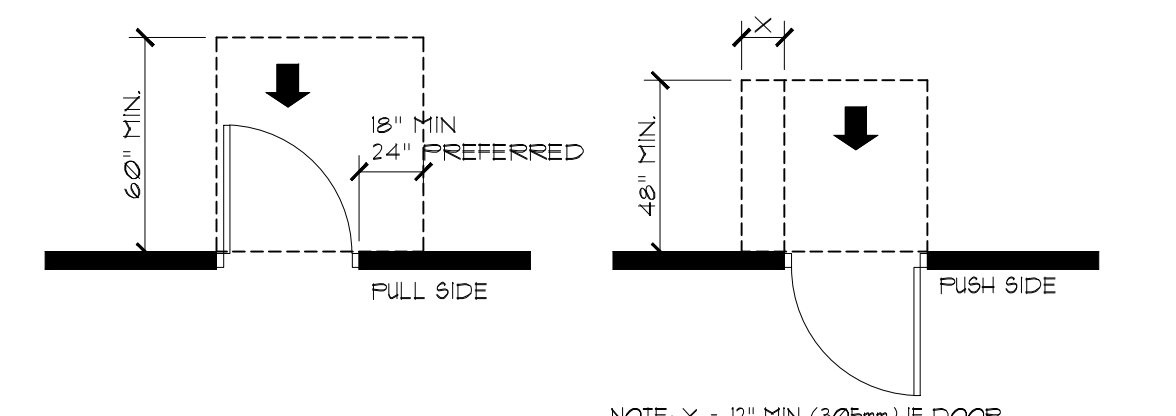
3 TYPICAL HANDRAILS
HC-1



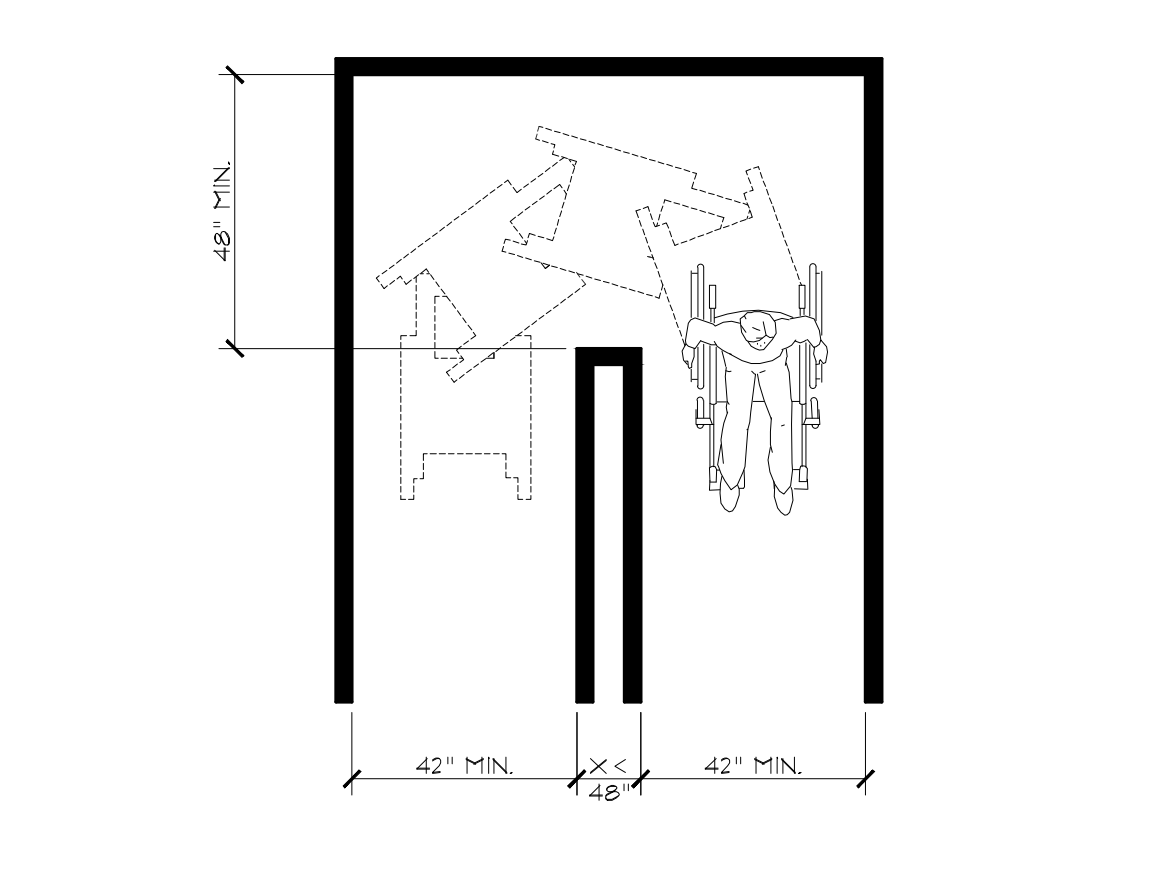
4 SIZE OF WHEELCHAIR TURNING SPACE
HC-1

GENERAL DOOR NOTES

- DOOR HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND.
- CLOSING SPEED. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 1/2 DEGREE SHALL BE 5 SECONDS MINIMUM.
- DOOR-OPENING FORCE. THE MAXIMUM FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
 - INTERIOR HINGED DOOR: 5.0 POUNDS.
 - SLIDING OR FOLDING DOOR: 5.0 POUNDS.
- DOOR SURFACE. DOOR SURFACES WITHIN 10 INCHES OF THE FLOOR OR GROUND MEASURED VERTICALLY SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAFFEED.
- VISION LITES. DOORS AND SIDELITES ADJACENT TO DOORS CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL 43 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND.
- MANEUVERING CLEARANCES AT DOOR. MINIMUM MANEUVERING CLEARANCES AT DOORS SHALL COMPLY WITH DETAIL 54C1.



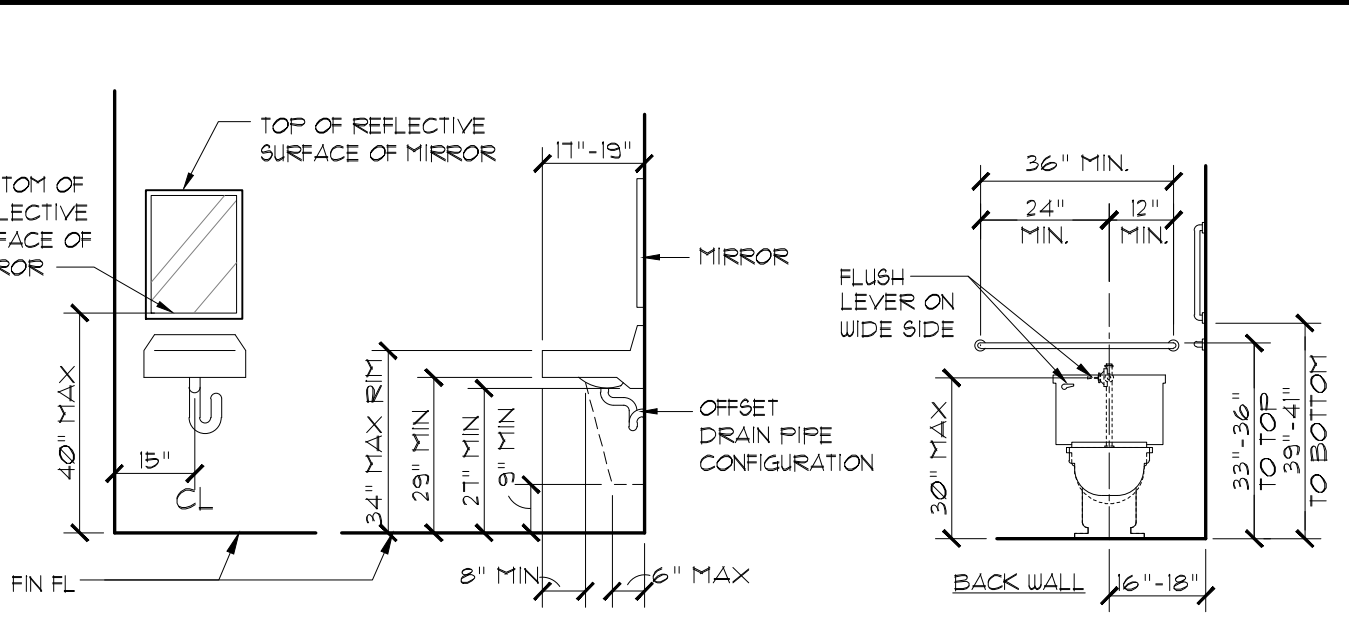
5 TYPICAL DOOR CLEARANCES
HC-1



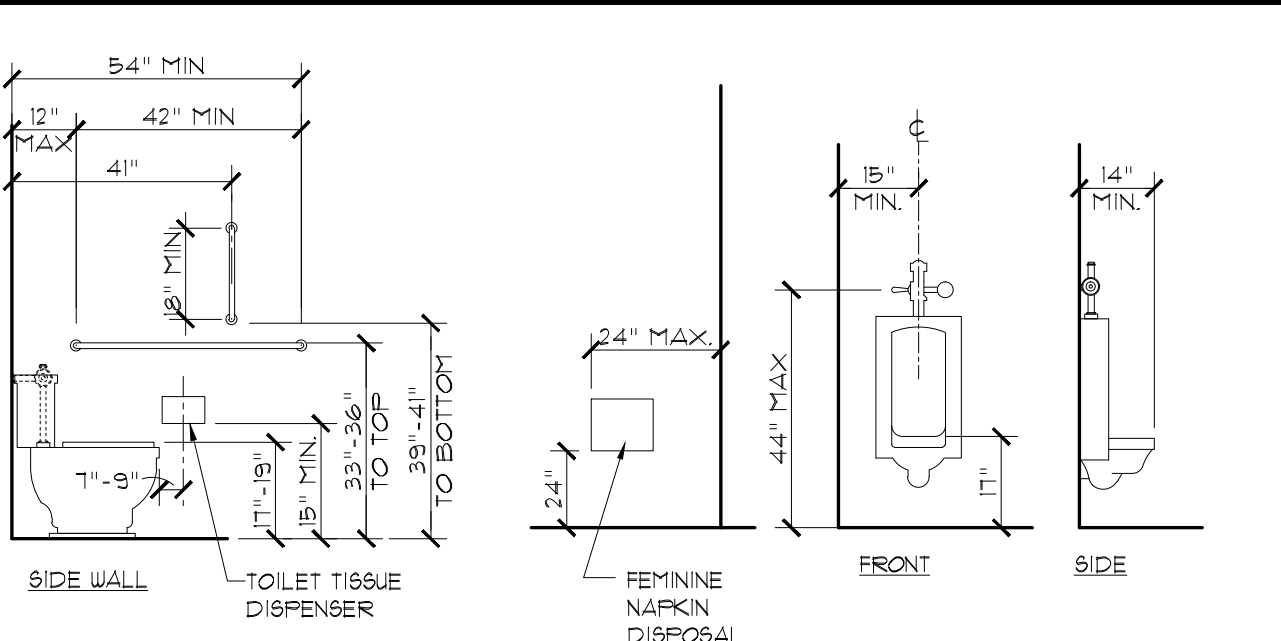
6 CLEAR WIDTH AT TURN
HC-1

NOTES

- THE HEIGHTS SHOWN ON THESE DRAWINGS ARE TYPICAL & DO NOT NECESSARILY SHOW ALL CONDITIONS. SEE ACTUAL ROOM PLAN & ELEVATIONS FOR UNIQUE INFORMATION.
- THE INTENT OF THESE ELEVATIONS IS TO ESTABLISH GUIDE-LINES FOR THE VERTICAL LOCATION OF WALL MOUNTED DEVICES GENERALLY THROUGH-OUT THE PROJECT.
- DIMENSIONS ARE TO FINISHED SURFACES.
- CONTACT ARCHITECT IN THE EVENT OF ANY DISCREPANCIES BETWEEN THESE STANDARDS & OTHER DRAWINGS.



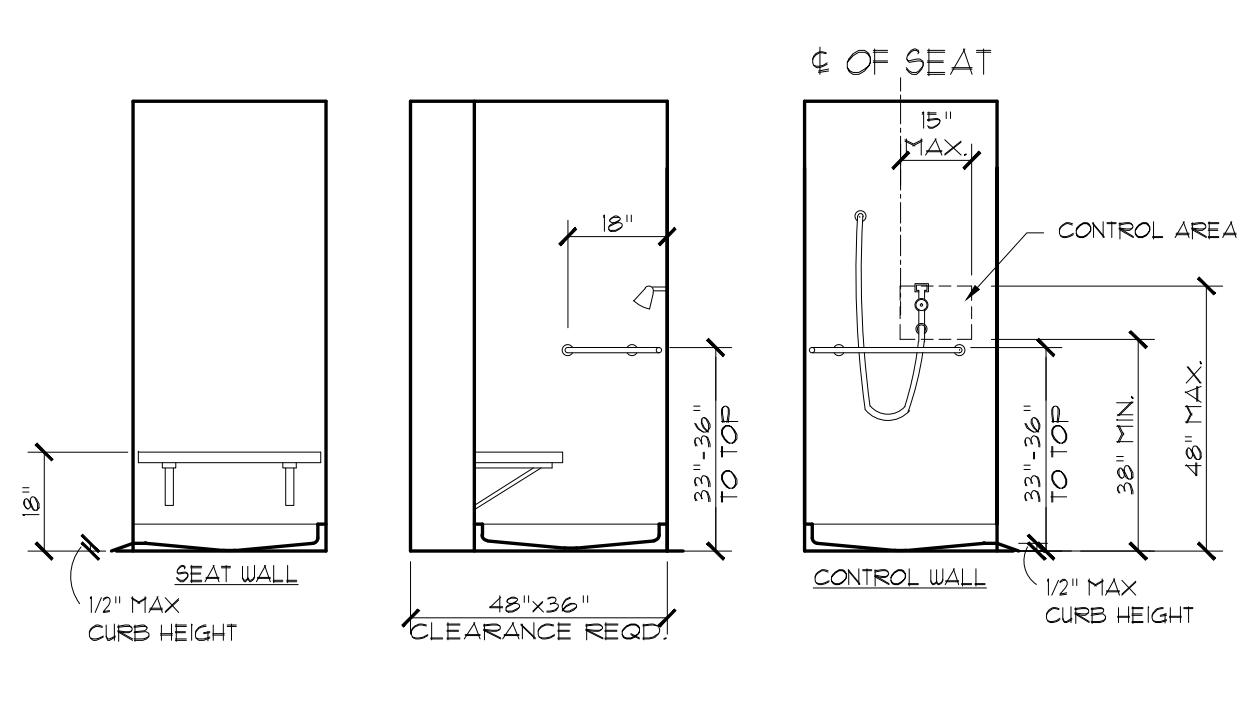
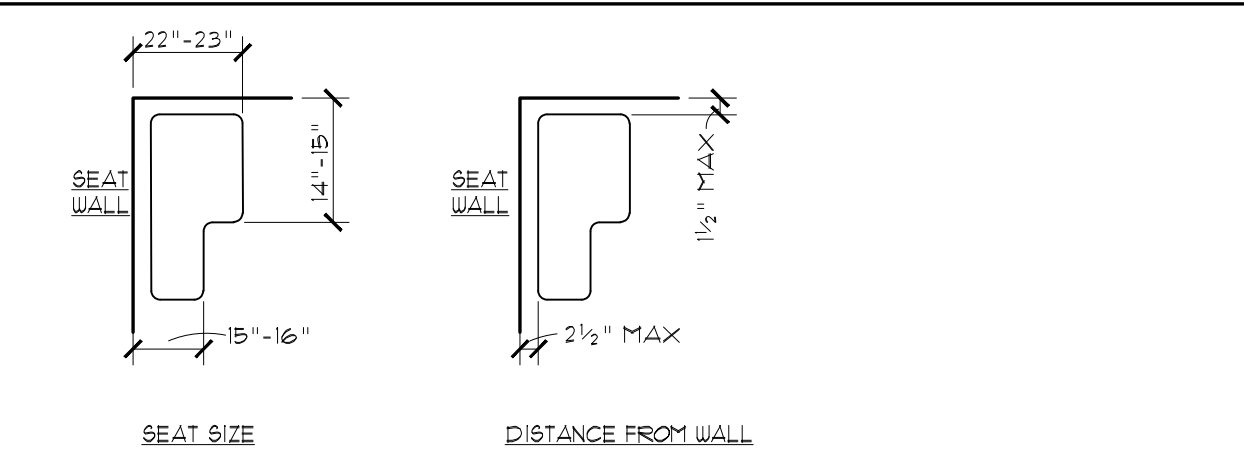
LAVATORY
PROVIDE MIN. 2'-6" x 16" CLEAR FLOOR AREA AT FRONT. INSULATE HOT WATER AND DRAIN PIPE.



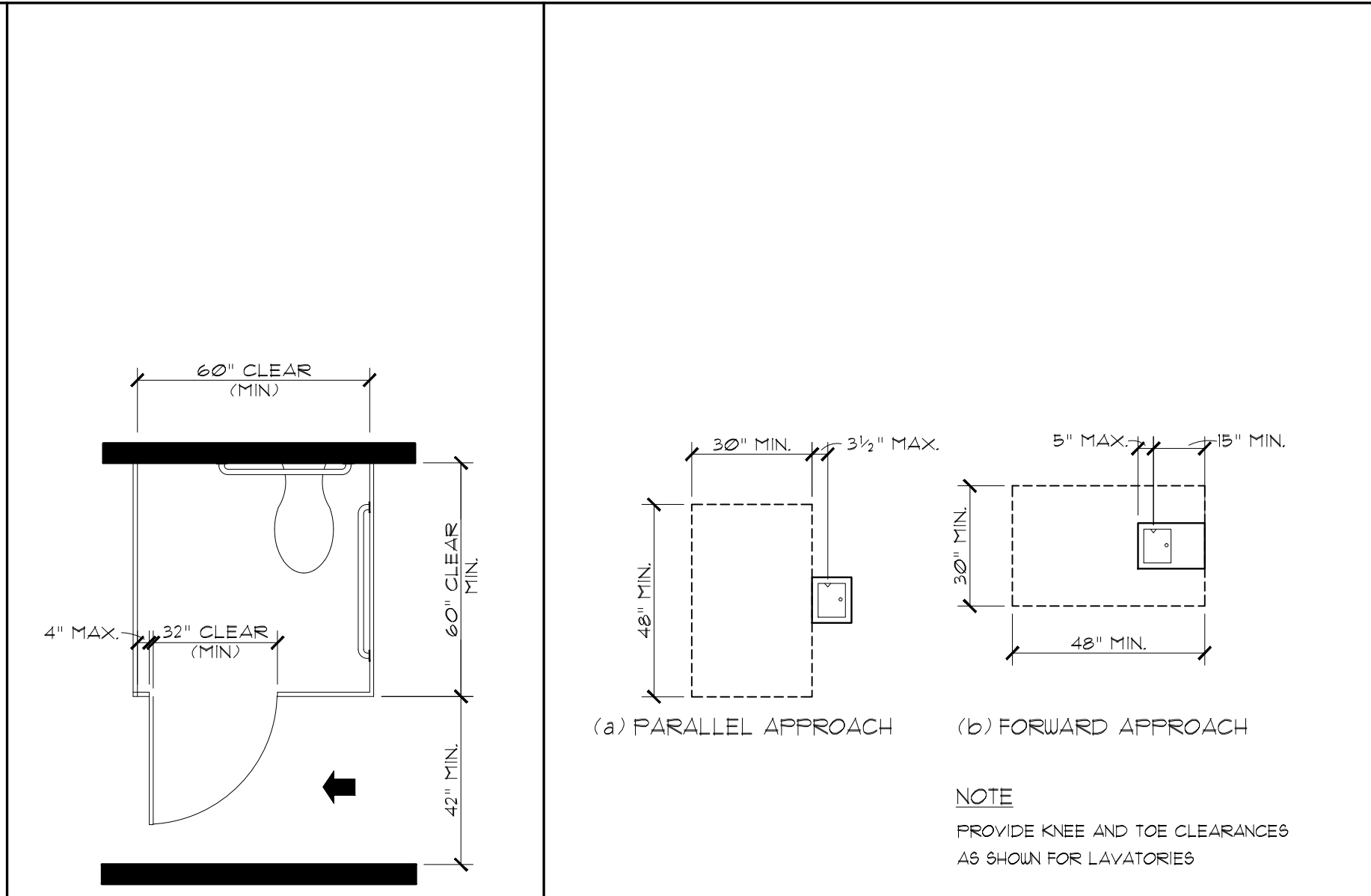
WATER CLOSET
PROVIDE MIN. 60" WIDE x 36" DEEP CLEAR FLOOR AREA FOR FLOOR MOUNTED TOILET. PROVIDE MIN. 60" WIDE x 36" DEEP CLEAR FLOOR AREA FOR WALL MOUNTED TOILET.

URINAL
PROVIDE MIN. 2'-6" x 4'-0" CLEAR FLOOR AREA AT FRONT.

7 RESTROOM FIXTURES & ACCESSORIES
HC-1

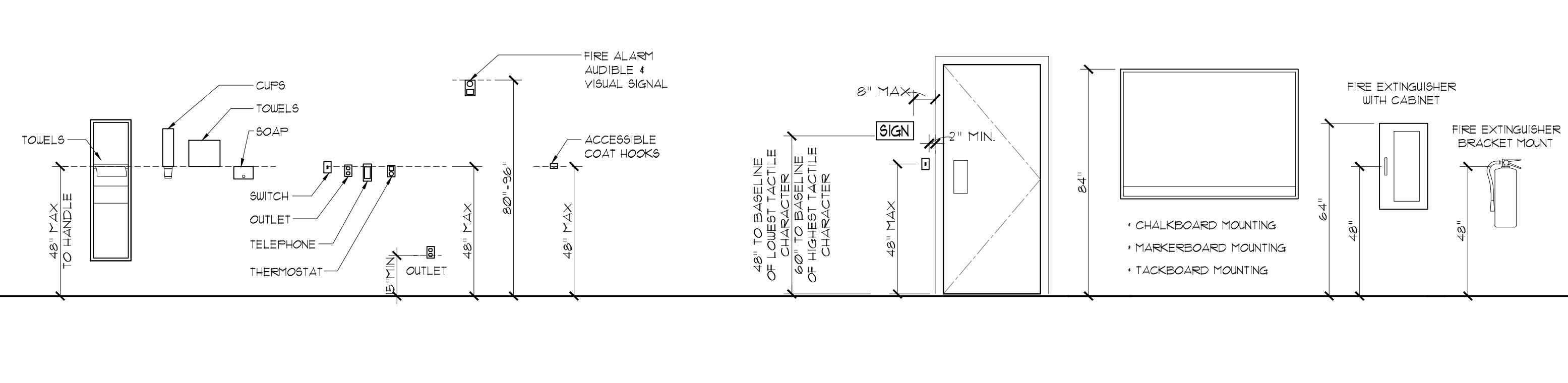


8 36"x36" TRANSFER TYPE SHOWER STALL COMPARTMENT
HC-1

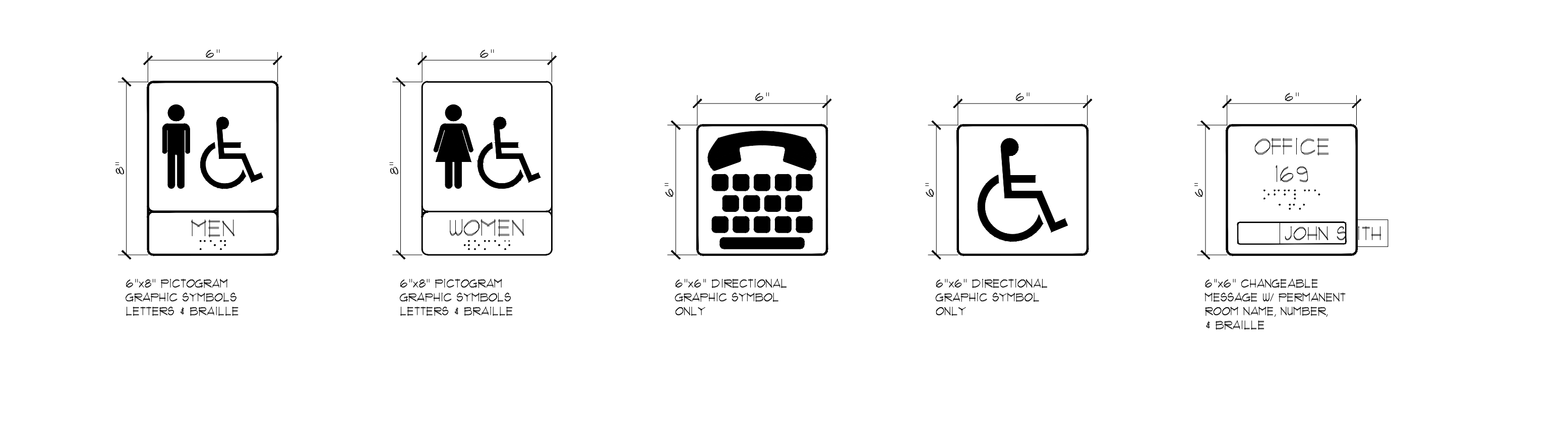


9 TOILET COMPARTMENT
HC-1

10 DRINKING FOUNTAIN
HC-1



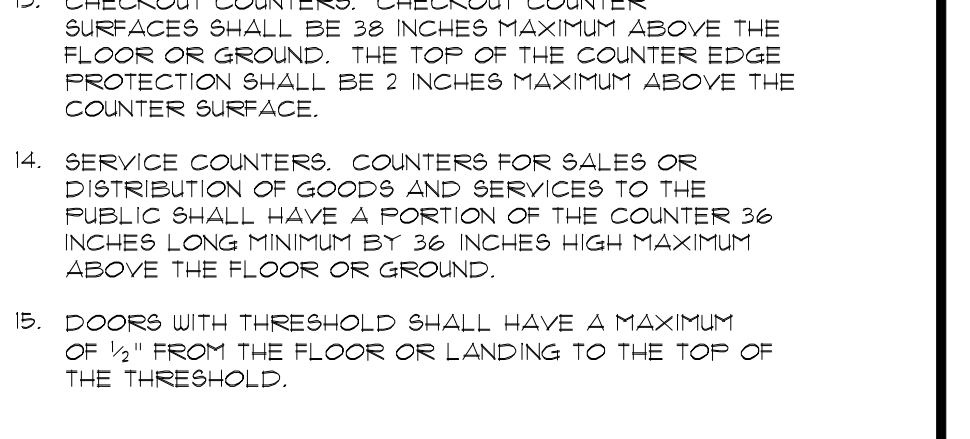
11 STANDARD ACCESSIBLE MOUNTING HEIGHTS
HC-1



12 TYPICAL SIGNAGE - SEE STANDARD ACCESSIBLE MOUNTING HEIGHT BELOW
HC-1

GENERAL NOTES

- ACCESSIBLE ROUTES, ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A SLOPE NOT STEEPER THAN 1:48, DOORWAYS, RAMPS, ELEVATORS, AND WHEELCHAIR (PLATFORM) LIFTS.
- WALKING SURFACES. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48.
- CLEAR WIDTH. CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" (MIN).
- CLEAR WIDTH AT TURN. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT WHICH IS LESS THAN 48 INCHES WIDE, CLEAR WIDTHS SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM DURING THE TURN, AND 42 INCHES MINIMUM LEAVING THE TURN.
- DOORS AND DOORWAYS. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32 INCHES MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FLOOR OR GROUND. PROJECTIONS INTO THE MINIMUM CLEAR OPENING WIDTH MORE THAN 21 INCHES AND UP TO 80 INCHES ABOVE THE FLOOR OR GROUND ARE PERMITTED BUT SHALL NOT EXCEED 4 INCHES.
- PARKING SPACES. ACCESSIBLE PARKING SPACES SHALL BE PROVIDED IN ACCORDANCE WITH C.O.F. CODE SECTION 21-25-6.
 - VEHICLE SPACES. CAR AND VAN PARKING SPACES SHALL BE 36 INCHES WIDE MINIMUM AND SHALL HAVE AN ADJACENT ACCESS AISLE 60" WIDE MINIMUM. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE. ACCESS AISLES SERVING VAN PARKING SPACES SHALL BE 36 INCHES WIDE MINIMUM. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACES THEY SERVE AND SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
 - GROUND SURFACES. PARKING SPACES AND ACCESS AISLES SHALL HAVE SURFACE SLOPES NOT STEEPER THAN 1:48. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE.
 - IF ONLY ONE ACCESSIBLE PARKING SPACE IS REQUIRED IT SHALL BE SIZED AND NOTED FOR VAN PARKING.
 - HANDRAILS. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS. CLEAR SPACE BETWEEN HANDRAILS AND WALL SHALL BE 1 1/2 INCHES MINIMUM.
 - DRINKING FOUNTAINS. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH DETAIL 10HC1 SHALL BE PROVIDED. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FLOOR.
 - TOILET ROOMS. A WHEELCHAIR TURNING SPACE COMPLYING WITH DETAIL 44C1 SHALL BE PROVIDED WITHIN THE ROOM. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR OR GROUND SPACE OR CLEARANCE FOR ANY FIXTURE.



- CHECKOUT COUNTERS. CHECKOUT COUNTER SURFACES SHALL BE 38 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND. THE TOP OF THE COUNTER EDGE PROTECTION SHALL BE 2 INCHES MAXIMUM ABOVE THE COUNTER SURFACE.
- SERVICE COUNTERS. COUNTERS FOR SALES OR DISTRIBUTION OF GOODS AND SERVICES TO THE PUBLIC SHALL HAVE A PORTION OF THE COUNTER 36 INCHES LONG MINIMUM BY 36 INCHES HIGH MAXIMUM ABOVE THE FLOOR OR GROUND.
- DOORS WITH THRESHOLD SHALL HAVE A MAXIMUM OF 1/2" FROM THE FLOOR OR LANDING TO THE TOP OF THE THRESHOLD.

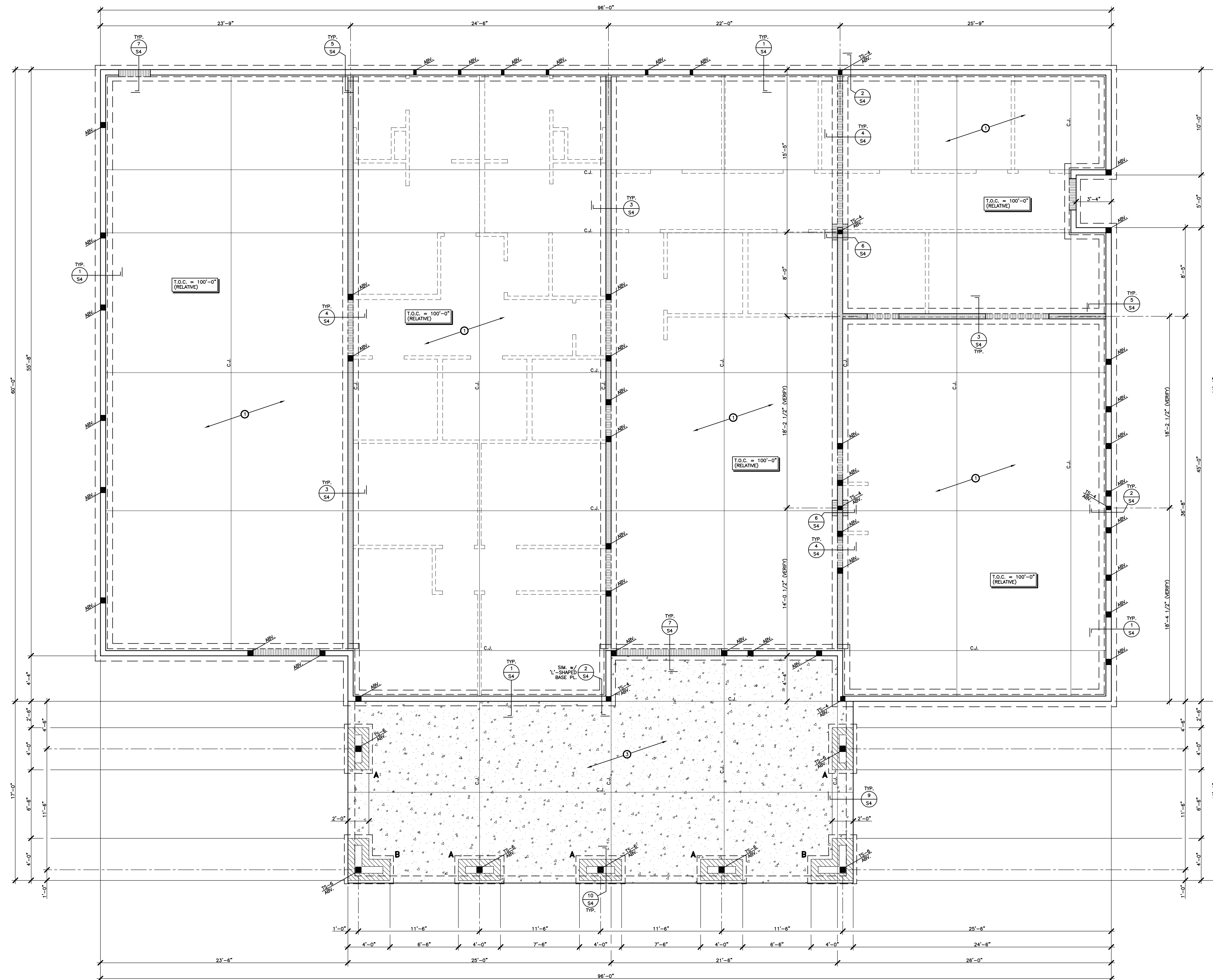


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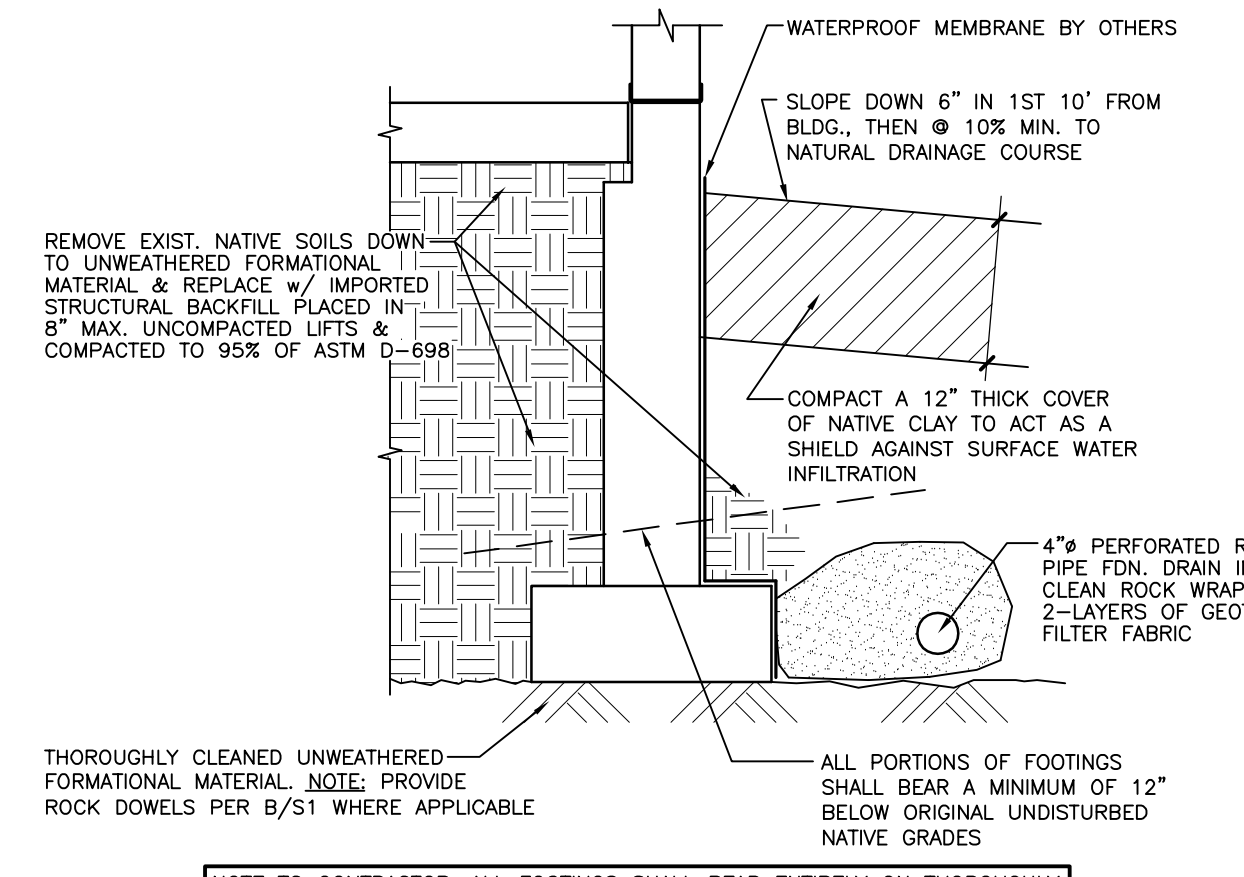
SJC DETENTION CENTER WELLNESS & TRAINING FACILITY

Filename: HCSHEET
Project: 220613
Sheet: HC-1
Of: 1

Drawn: BTW
Checked: TEH
Date: 09.26.22



- EARTHWORK NOTES:**
1. SOILS ENGINEER SHALL OBSERVE AND APPROVE EXPOSED NATIVE ROCK/SOILS AFTER EXCAVATION.
 2. SOILS ENGINEER SHALL OBSERVE AND APPROVE BACKFILL AND COMPACTION OF MATERIALS.
 3. MOISTURE CONDITION SOILS TO BE COMPACTED TO ±2% OF OPTIMUM MOISTURE CONTENT.
 4. STRIVE TO PREVENT NATIVE SOILS FROM DRYING OUT DURING CONSTRUCTION.



REMOVE EXIST. NATIVE SOILS DOWN TO UNWEATHERED FORMATIONAL MATERIAL & REPLACE W/ IMPORTED STRUCTURAL BACKFILL PLACED IN 8" MAX. UNCOMPACTED LIFTS & COMPACTED TO 95% OF ASTM D-698.

WATERPROOF MEMBRANE BY OTHERS

SLOPE DOWN 6" IN 1' 0" FROM BLDG., THEN @ 10% MIN. TO NATURAL DRAINAGE COURSE

COMPACT A 12" THICK COVER OF NATIVE CLAY TO ACT AS A SHIELD AGAINST SURFACE WATER INFILTRATION

4" PERFORATED RIGID PIPE FDN. DRAIN IN 3/4" CLEAN ROCK WRAPPED IN 2-LAYERS OF GEOTEXTILE

THOROUGHLY CLEANED UNWEATHERED FORMATIONAL MATERIAL, NOTE: PROVIDE ROCK DOWELS PER B/S1 WHERE APPLICABLE

ALL PORTIONS OF FOOTINGS SHALL BEAR A MINIMUM OF 12" BELOW ORIGINAL UNDISTURBED NATIVE GRADES

NOTE TO CONTRACTOR: ALL FOOTINGS SHALL BEAR ENTIRELY ON THOROUGHLY CLEANED NATIVE UNWEATHERED FORMATIONAL MATERIAL.

A S1 TYP. FOUNDATION BRG. CONDITION & TYP. MIN. EARTHWORK REQ'MNTS.

MAIN LEVEL FOUNDATION NOTES:

1. SEE SHEET S3 FOR GENERAL, STRUCTURAL NOTES, DESIGN LOADS, MATERIAL DESCRIPTIONS, CONSTRUCTION REQUIREMENTS, RECOMMENDED OBSERVATIONS, SPECIAL INSPECTION REQUIREMENTS AND TYPICAL DETAILS NOT REFERENCED BUT WHICH SHALL APPLY TO THE APPROPRIATE CONDITIONS.
2. SEE DET. A/S1 FOR TYP. MIN. EARTHWORK REQUIREMENTS
3. SEE DET. B/S1 FOR POST OR COLUMN ABOVE MAIN LEVEL FOUNDATION PER S2
4. INTERIOR S.O.G. - TYPE 'A':
 - 4 1/2" THICK CONC. / f_c = 3000 psi MIN. @ 28 DAYS.
 - REINFORCE W/ #4 @ 24" O.C. E.W. @ CTR. OF THICKNESS.
 - PLACE ON 4" OF 3/4" A.B.C. COMPACTED TO 90%.
 - SEE PLAN FOR CONTRACTION JOINT (C.J.) LOCATIONS.
5. TYPICAL EXTERIOR S.O.G.:
 - 4 1/2" THICK CONC. / f_c = 4000 psi MIN. @ 28 DAYS.
 - REINFORCE W/ #4 @ 24" O.C. E.W. @ CTR. OF THICKNESS.
 - PLACE ON 4" OF 3/4" A.B.C. COMPACTED TO 90%.
 - SEE PLAN FOR CONTRACTION JOINT (C.J.) LOCATIONS.
 - PROVIDE THICKENED SLAB EDGES PER DET. 9/S4
 - SLOPE AWAY FROM BLDG. @ 1/4" / FT.
6. DIMENSIONS ARE TO FACE OF CONCRETE STEM/WALL OR CENTER OF FOOTINGS, UNLESS NOTED OTHERWISE.
7. C.J.: CONTRACTION JOINT IN SLAB-ON-GRADE
8. [Symbol]: INDICATES BEARING WALLS ABV. FOUNDATION
9. T.O.C. = TOP OF CONCRETE ELEVATION
10. THE CONTRACTOR SHALL PROVIDE A FOUNDATION DRAIN AROUND THE BUILDING PERIMETER WHEN NECESSARY TO INSURE POSITIVE DRAINAGE

MAIN LEVEL FOUNDATION KEYED NOTES:

1. INT. CONC. S.O.G. PER FDN. NOTE #4
2. 4" RIGID PERFORATED PIPE FOUNDATION DRAIN, SLOPE @ 1/8"-1/4" / FT. TO OUTFALL. PROTECT DRAIN OUTFALL IN 2 CUBIC YARDS OF 3" CLEAN ROCK @ 42" MIN. BELOW GRADE. NOTE THAT DRAIN CONFIGURATION SHOWN IS FOR ILLUSTRATION AND SHALL ACTUALLY BE DETERMINED BY SPECIFIC FIELD CONDITIONS.
3. TYP. EXT. S.O.G. PER FDN. NOTE #5, SIZE & EXTENT PER ARCHT./OWNER

FOOTING SCHEDULE:

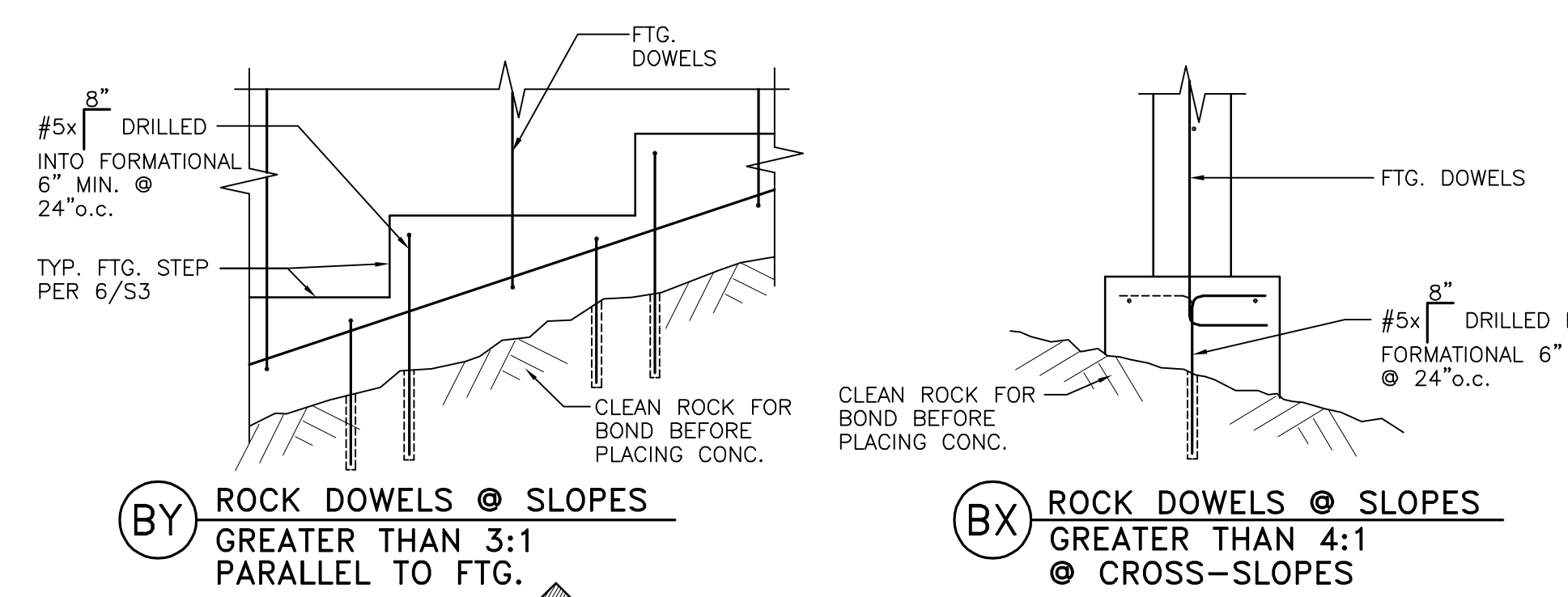
TYPE	SIZE	REINFORCEMENT	NOTES
A	2'-8" x 4'-8"	#5 @ 8" O.C. E.W. @ BOT.	CTR. ON CMU COL. FORM
B	2'-8" x 4'-8"	#5 @ 8" O.C. E.W. @ BOT.	L-SHAPED TO MATCH CMU COL. FORM

MAIN LEVEL FRAMING MEMBERS:

- POSTS/COLUMNS:**
- TS-4: HSS 4x4x1/4" TUBE STL. COL.
 - TS-2: HSS 5x5x1/4" TUBE STL. COL.
 - TS-6: HSS 6x6x1/4" TUBE STL. COL.

ATTENTION:
3/16" = 1'-0"

FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

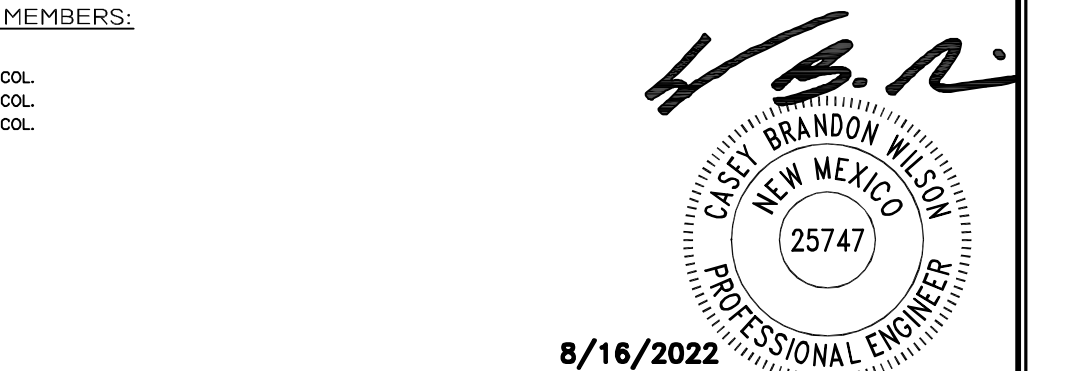


(BY) ROCK DOWELS @ SLOPES GREATER THAN 3:1 PARALLEL TO FTG.

(BX) ROCK DOWELS @ SLOPES GREATER THAN 4:1 @ CROSS-SLOPES

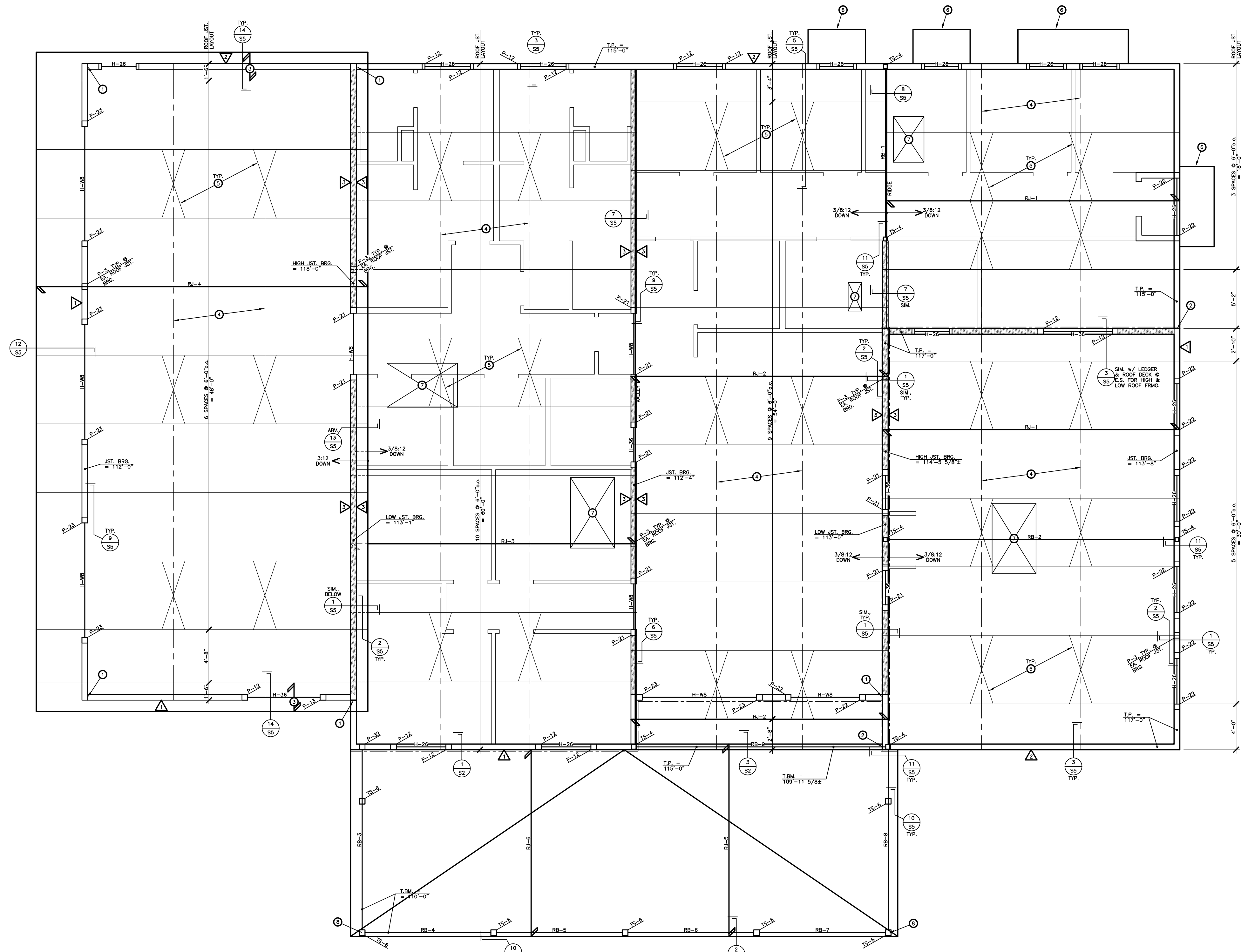
(B S1) FTG. CONN. @ FORMATIONAL ROCK BEARING CONDITIONS

FINAL FOR CONSTRUCTION
8-16-2022



WILSON STRUCTURAL ENGINEERING, INC.
1235 THOROUGHFBRED RD.
DURANGO, CO 81303
Phone: (970) 385-6774

A PROPOSED STRUCTURAL DESIGN FOR THE NEW:	FILE NAME:
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY	05122.S1
FARMINGTON, NEW MEXICO	PROJECT:
FOUNDATION PLAN & DETAILS	05122
DRAWN: GW	CHECKED: CW
DATE: 8-16-2022	SHEET: S1 OF S5



- ROOF FRAMING NOTES:**
- SEE SHEET S3 FOR GENERAL STRUCTURAL NOTES, DESIGN LOADS, MATERIAL DESCRIPTIONS, CONSTRUCTION REQUIREMENTS, RECOMMENDED OBSERVATIONS, SPECIAL INSPECTION REQUIREMENTS AND TYPICAL DETAILS NOT REFERENCED BUT WHICH SHALL APPLY TO THE APPROPRIATE CONDITIONS.
 - SEE DETAIL 10/S3.1 FOR JOIST REINFORCEMENT AT CONCENTRATED LOADS.
 - SEE DETAIL 7A/S3.1 FOR TYPICAL FRAMING AROUND ROOF DECKING PENETRATIONS.
 - T.P. = TOP OF PARAPET ELEVATION.
 - JST. BRG. = ROOF JOIST BEARING ELEVATION.
 - T.B.M. = TOP OF BEAM ELEVATION.
 - SHIMMALL SEE SCHEDULE ON THIS SHEET, SW SHEATHING SHALL BE CONT. ON THE WALL INDICATED AND NOT INTERRUPTED BY INTERSECTING WALLS OR OTHERWISE.
 - WHERE NO POST DESIGNATION IS SHOWN UNDER HEADERS, THE POST SHALL BE A P-11.

- ROOF FRAMING KEYED NOTES:**
- STEP TOP-OF-TRACK ELEVATION
 - STEP TOP-OF-PARAPET ELEVATION
 - 3/8" OUTLETS @ 6'-0" o.c.
 - LINE OF CONT. WELDED HORIZ. JOIST BRIDGING @ TAB CHORDS DESIGNED & PROVIDED BY JST. MFR. PROVIDE NUMBER OF ROWS AS REQ'D. BY JST. MFR.
 - WELDED "X" BRACE IN HORIZ. BRIDGING DESIGNED & PROVIDED BY JST. MFR. @ 50% OF MAX.
 - PRE-MANUFACTURED STL. ANCHORS & CONN. BY OTHERS
 - ROOF ROOF TOP MECH. UNIT BY OTHERS, SEE MECH. PLANS FOR EXACT LOCATION. SHALL ALL RTU'S SHALL BE LOCATED SUCH THAT THEY WITHIN 4' OF A ROOF JST. PROVIDE SUPPORT/BRG. < 3' UNDER 3 UNSUPPORTED SIDES OF RTU PER DET. 7/S3.1
 - WIRE BM @ CORNER & FIELD WELDED ALL-AROUND W/ 1/4" FILET WELDS & BUTT WELDS, FIELD WELDED BOTH ENDS, ALL-AROUND TO 1"-SCAPED CAP PL. W/ 1/4" FILET WELDS

- ROOF FRAMING MEMBERS:**
- ROOF JOISTS:**
- RJ-1: 20K4 @ 6'-0" o.c.
 - RJ-2: 18K3 @ 6'-0" o.c.
 - RJ-3: 18K4 @ 6'-0" o.c.
 - RJ-4: 16K4 @ 6'-0" o.c. w/ "R-TYPE" EXTENDED ENDS
 - RJ-5: 10" x 1/2" x 1/4" COLD FORMED JSTs @ 2'-0" o.c.
 - RJ-6: 10" x 1/2" x 1/4" COLD FORMED JSTs @ 2'-0" o.c.
- NOTE:** DESIGN ROOF JST FOR ADDN. RTU LOADS. SEE MECH. ENG. PLANS FOR EXACT WEIGHT, SIZE & LOCATION OF RTU. RTU'S SHALL BEAR ON 2 RJ'S MIN.

- ROOF BEAMS:**
- RB-1: W10x22 (50ksi) WIDE FLANGE STL. BM, DROPPED
 - RB-2: W12x26 (50ksi) WIDE FLANGE STL. BM, ELEV. & LOCATION PER ARCHT.
 - RB-3: W12x26 (50ksi) WIDE FLANGE STL. BM, FLUSH
 - RB-4: W12x26 (50ksi) WIDE FLANGE STL. BM, FLUSH
 - RB-5: W12x26 (50ksi) WIDE FLANGE STL. BM, FLUSH
 - RB-6: W12x26 (50ksi) WIDE FLANGE STL. BM, FLUSH
 - RB-7: W12x26 (50ksi) WIDE FLANGE STL. BM, FLUSH
 - RB-8: W12x26 (50ksi) WIDE FLANGE STL. BM, FLUSH
 - RB-9: W10x26 (50ksi) WIDE FLANGE STL. BM, FLUSH

- HEADERS:**
- H-26: 2-600S162-43 S.S. BU. HOR.
 - H-36: 3-600S162-43 S.S. BU. HOR.
 - H-WB: WB18 (50ksi) WIDE FLANGE STL. HOR.

- COLUMNS/POSTS:**
- TS-4: HSS 4x4x1/4" TUBE STL. COL.
 - TS-6: HSS 6x6x1/4" TUBE STL. COL.
 - P-11: 6" STEEL STUD TRIMMER + 6" STEEL STUD KING POST (TYP. @ SPONG. w/o POST CALL-OUTS)
 - P-2: 2-6" STEEL STUD POST
 - P-22: 2-6" STEEL STUD TRIMMERS + 2-6" STEEL STUD KING POST
 - P-23: 2-6" STEEL STUD TRIMMERS + 3-6" STEEL STUD KING POST
 - P-3: 3-6" STEEL STUD POST
- NOTE:** P-3 POST @ ALL JST. BRG. @ INT. & EXT. WALLS, U.N.D.

- ROOF DECK: RD-1**
- 2" G. I. DECK (30 MIN. THICK) PAINTED STEEL DECK.
 - 2" MANUFACTURED BY VULCAN.
 - 3" CONT. SPANS.
 - DECK SHALL BE PUDDLE WELDED TO ALL BOUNDARY MEMBERS PARALLEL AND PERPENDICULAR TO FLUTES @ 12" o.c.
 - PROVIDE 2" FID SELF-HEALING SPANNERS @ EA. SIDE LAP PER EA. SPAN.
 - DECK SHALL BE WELDED TO EACH SUPPORT.
 - WELDS PER 36" WIDE SHEET (36/9 PATTERN), THUS:
 - 5 PLUCKE WELDS TO EA. FRG. MEMBER
 - 1/4" WIDE SHIT

STEEL STUD WALL SCHEDULE:

STUD MATERIAL	TOP & BOTTOM TRACK MATERIAL	ON CENTER SPACING
600T125-43	600T125-43	16"

- WALL FRAMING NOTES:**
- SEE SPECIFIC DETAILS FOR ADDITIONAL STUD & TRACK MATERIAL AND ADDITIONAL CONNECTION INFO.
 - ALL STEEL STUD EXTERIOR WALLS SHALL BE FRAMED FULL HT. FROM FOUNDATIONS TO PARAPETS UNLESS INTERRUPTED BY OPENINGS OR BM. INDE. STUDS SHALL NOT BE SPACED.
 - INSTALL HORIZONTAL BRIDGING PER DETAIL 5A6/S3.1 IN ALL EXT. WALLS @ 4'-0" o.c. MAX.
 - * INDICATES MIN. 50ksi YIELD STRESS FOR MEMBERS 54 in# AND GREATER THICKNESS

SHEARWALL SCHEDULE:

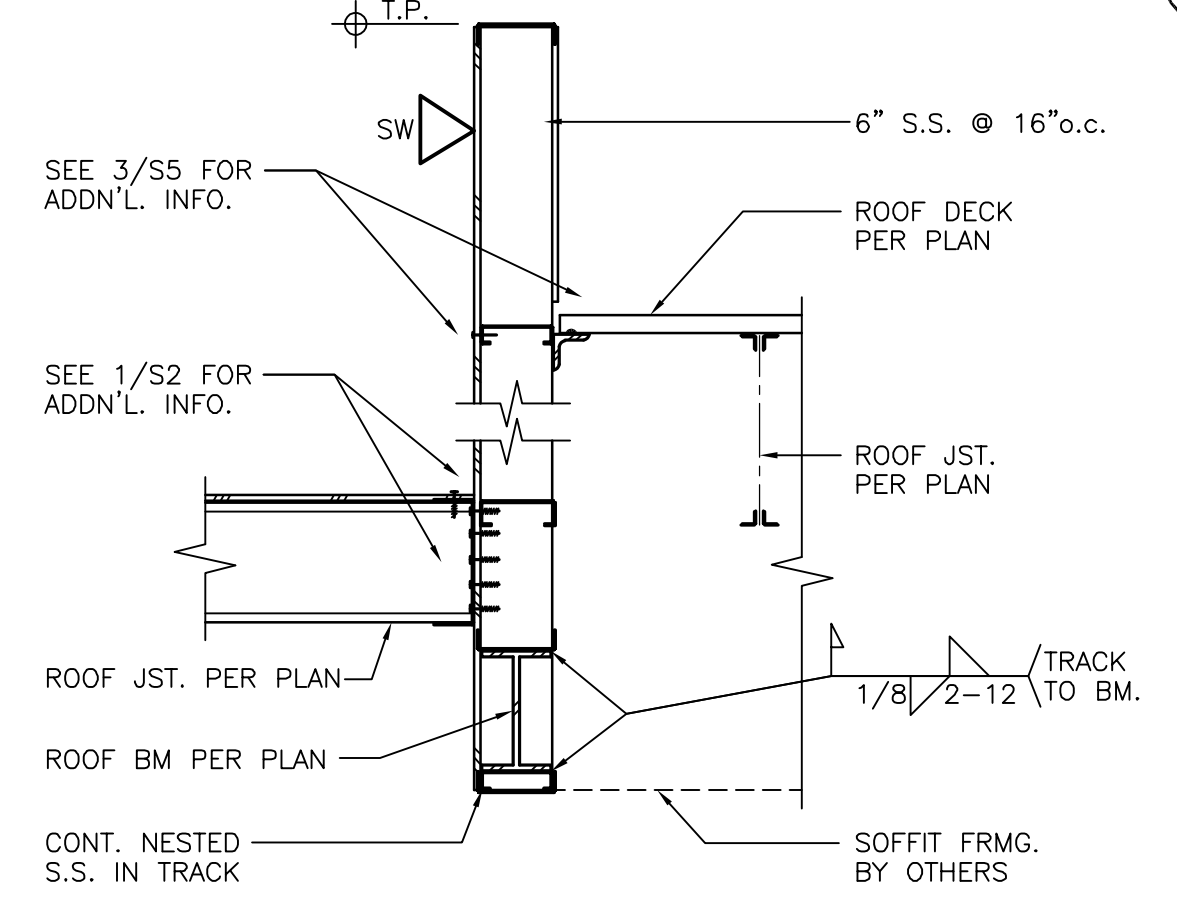
SHEARWALL TYPE	SHEATHING MATERIAL	FASTENING EDGES	FIELD	SILL PLATE ANCHOR BOLTS	SILL PLATE NAILING	EDGE BLOCKING
△	7/16" OSB @ 4' o.c.	#10 SCREWS @ 6" o.c.	#10 SCREWS @ 8" o.c.	5/8" x A.B. @ 32" o.c.	SHOPING & WELDING	YES PER 7/53
△	7/16" OSB @ 4' o.c.	#10 SCREWS @ 6" o.c.	#10 SCREWS @ 12" o.c.	5/8" x A.B. @ 48" o.c.	SHOPING & WELDING	YES PER 7/53
△	5/8" TYP-X DRP. BR. @ 4' o.c.	#8 SCREWS @ 6" o.c.	#8 SCREWS @ 8" o.c.	5/8" x A.B. @ 32" o.c.	SHOPING & WELDING	YES PER 7/53

- SHEARWALL NOTES:**
- UNSHEDDLED EXTERIOR WALLS SHALL BE CONSTRUCTED PER SHEARWALL 2 WHERE NOT INDICATED OTHERWISE.
 - MINIMUM OF 5/8" THICKNESS MAY BE SUBSTITUTED FOR OSB.
 - SHEATHING SHALL BE AIR DRIED: 24/18 MINIMUM.
 - WALL SHEATHING MAY BE ORIENTED HORIZONTALLY OR VERTICALLY FOR STUDS @ 16" o.c. MAX SPACING. ALL SHEATHING SHALL BE ORIENTED HORIZONTALLY FOR STUDS SPACED @ 24" o.c.
 - SILL PLATE NAILING IS TO BE DONE AS SHOWN WHERE APPLICABLE.
 - NAILS INDICATED HERE SHALL BE 80# NAILS.

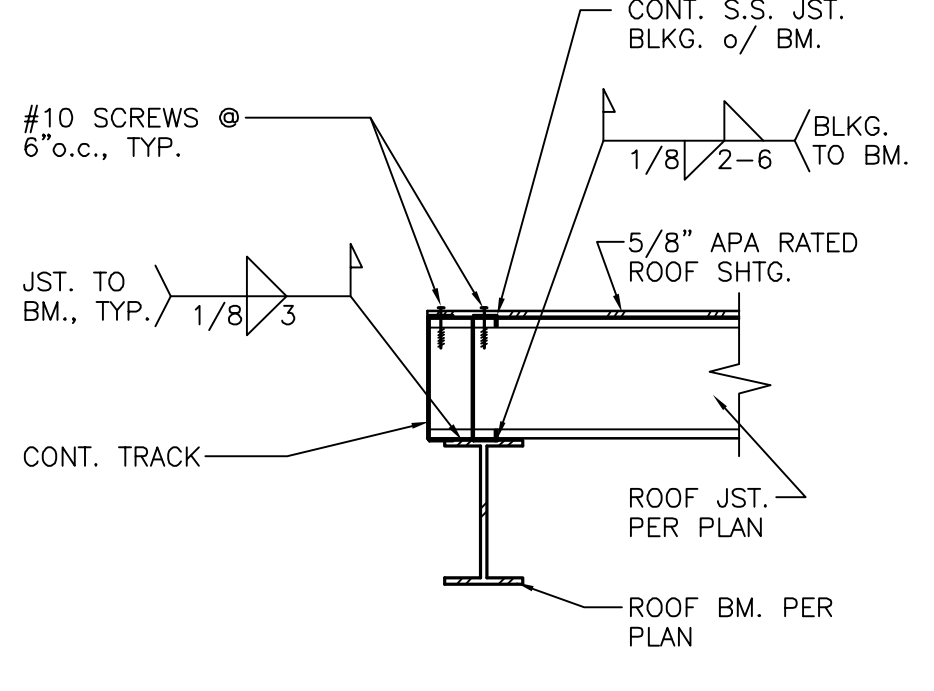
ATTENTION:
3/16" = 1'-0"

ROOF FRAMING PLAN

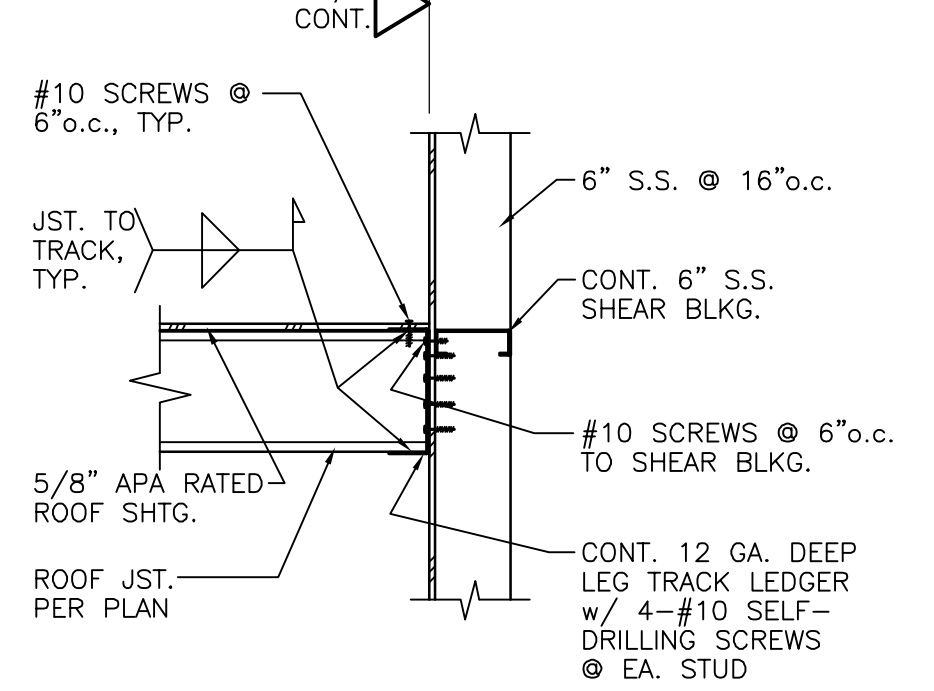
SCALE: 3/16" = 1'-0"



3 ROOF FRMG. TRANSITION @ ENTRY PORCH ROOF



2 PATIO ROOF JST'S BRG. @ DROPPED STL. BM.



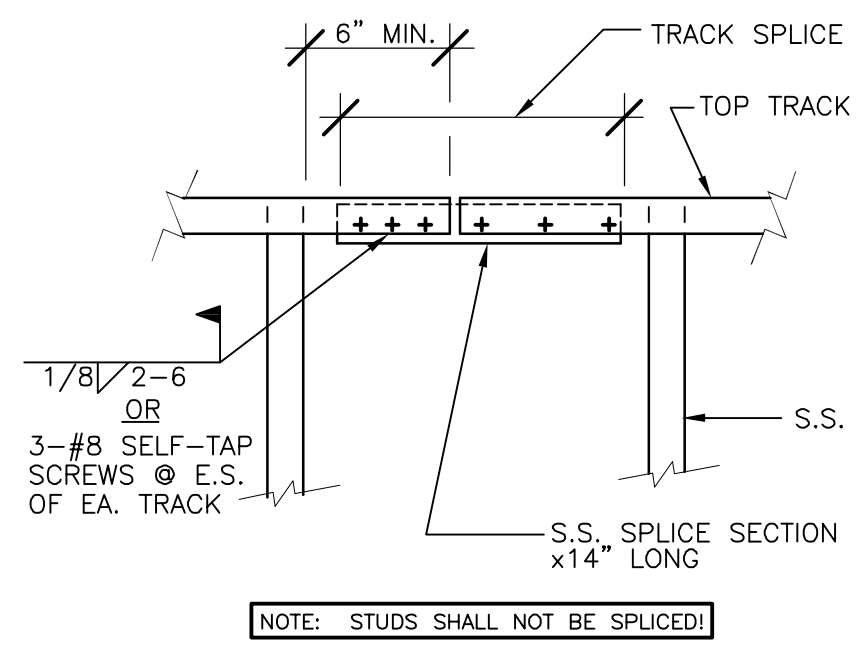
1 PATIO ROOF JST'S BRG. @ EXT. WALL FRMG.

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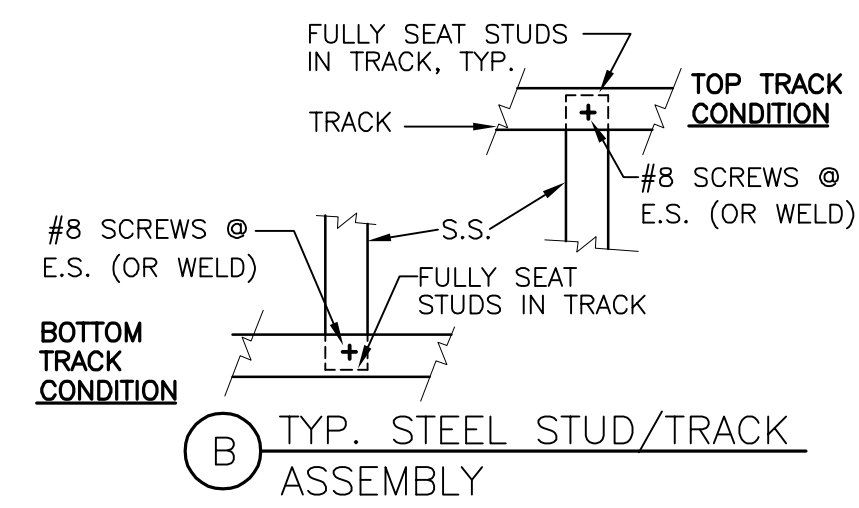


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Phone: (970) 385-6774

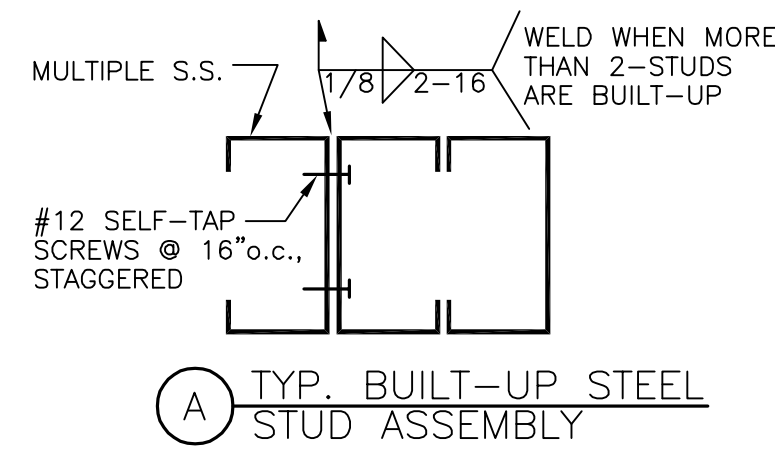
A PROPOSED STRUCTURAL DESIGN FOR THE NEW:	FILE NAME:
3JC DETENTION CENTER TRAINING AND WELLNESS FACILITY	05122.S2
FARMINGTON, NEW MEXICO	PROJECT:
ROOF FRAMING PLAN & DETAILS	05122
DRAWN: GW	CHECKED: CW
DATE: 8-16-2022	OF S5



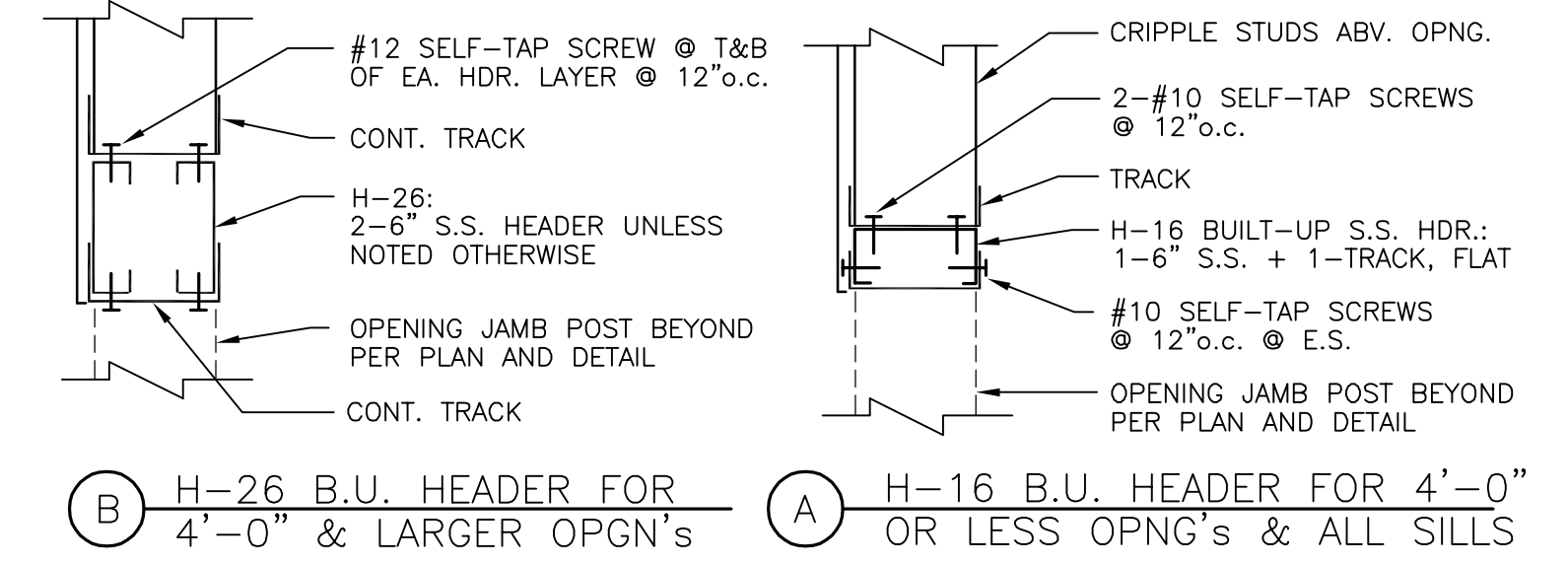
3
S3.1 TYP. STEEL STUD (S.S.) TRACK SPLICE



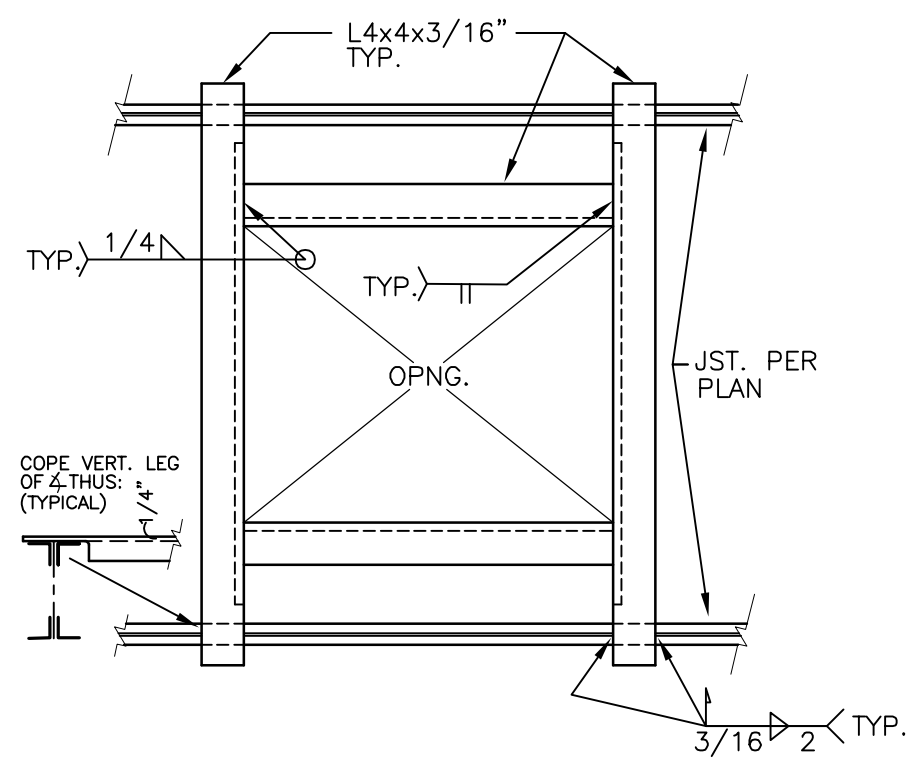
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S3.1 TYPICAL STEEL STUD (S.S.) WALL FRAMING DETAILS



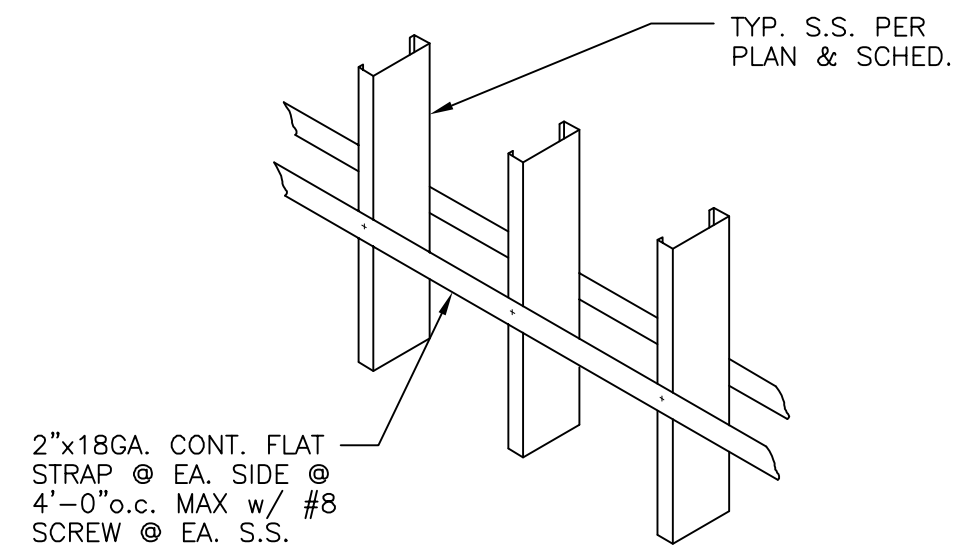
1
S3.1 TYP. BUILT-UP STEEL STUD ASSEMBLY



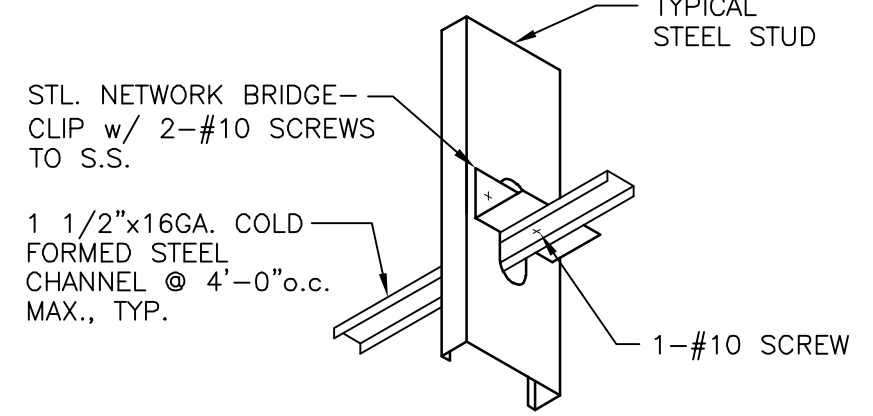
1
S3.1 TYP. BUILT-UP STL. STUD (S.S.) NON-BRG. HEADER ASSEMBLIES



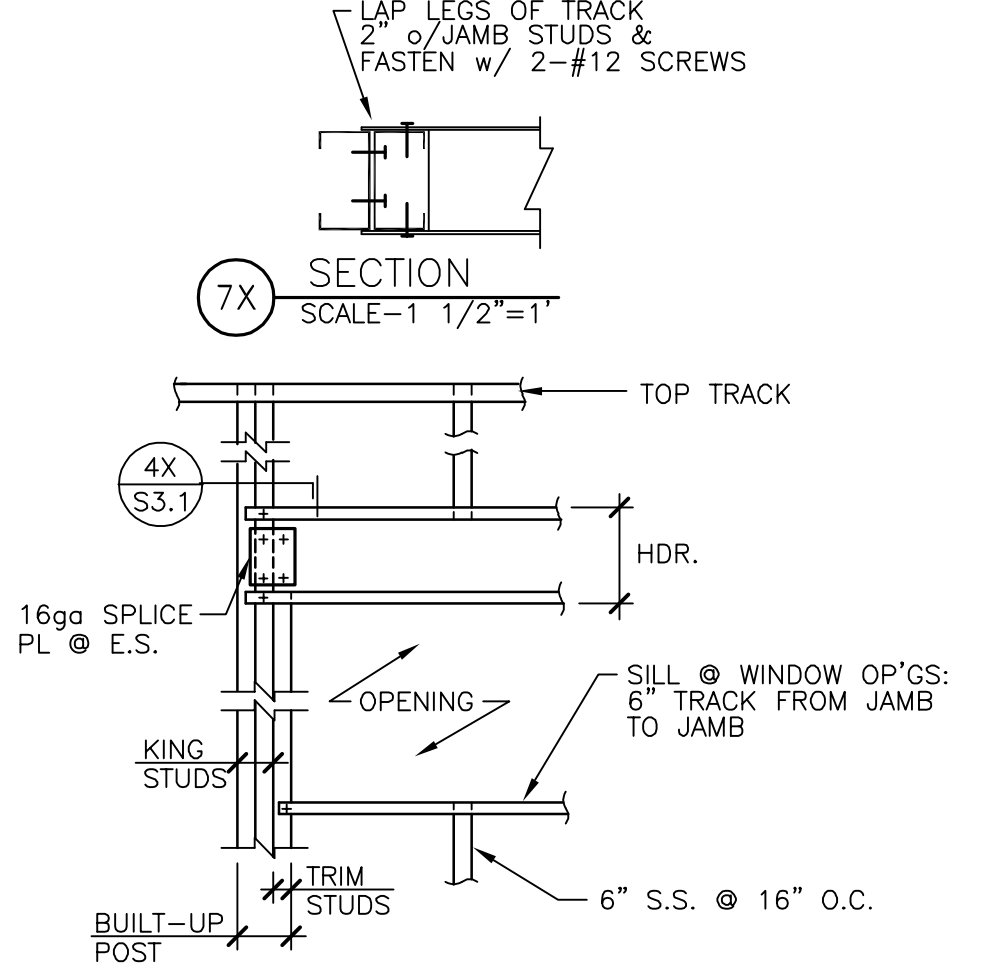
7
S3.1 TYP. FRMG. @ OPNGS. IN STL. DECK LARGER THAN 18"



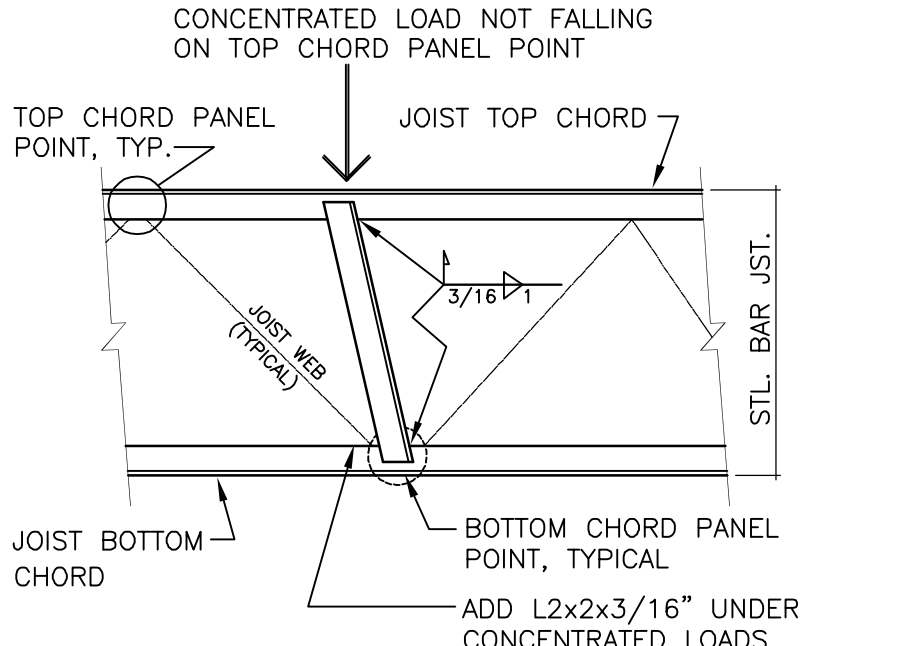
6
S3.1 TYP. STL. STUD WALL BLKG./STRAPPING



5
S3.1 TYPICAL HORIZ. STL. STUD WALL BRIDGING

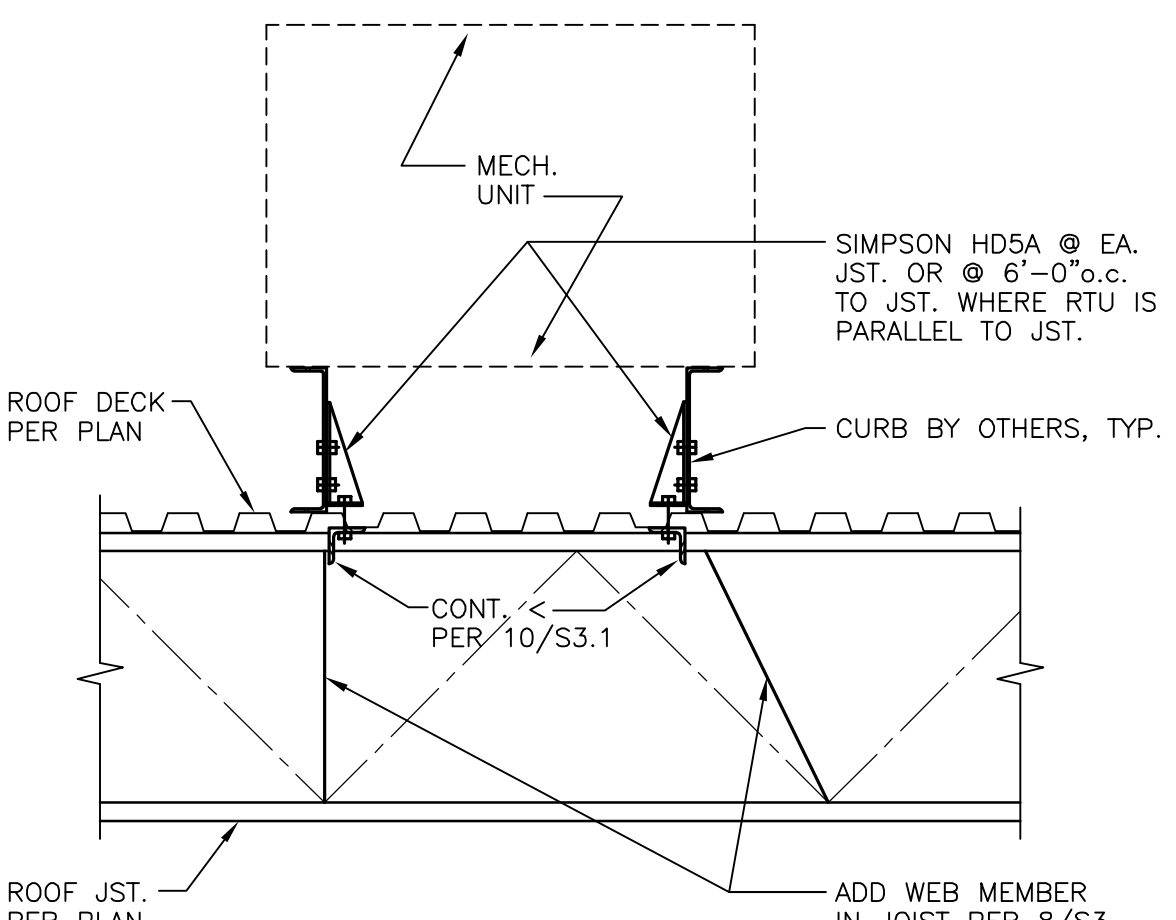


4
S3.1 TYP. STEEL STUD (S.S.) FRMG. @ WALL OPENINGS, U.N.O.

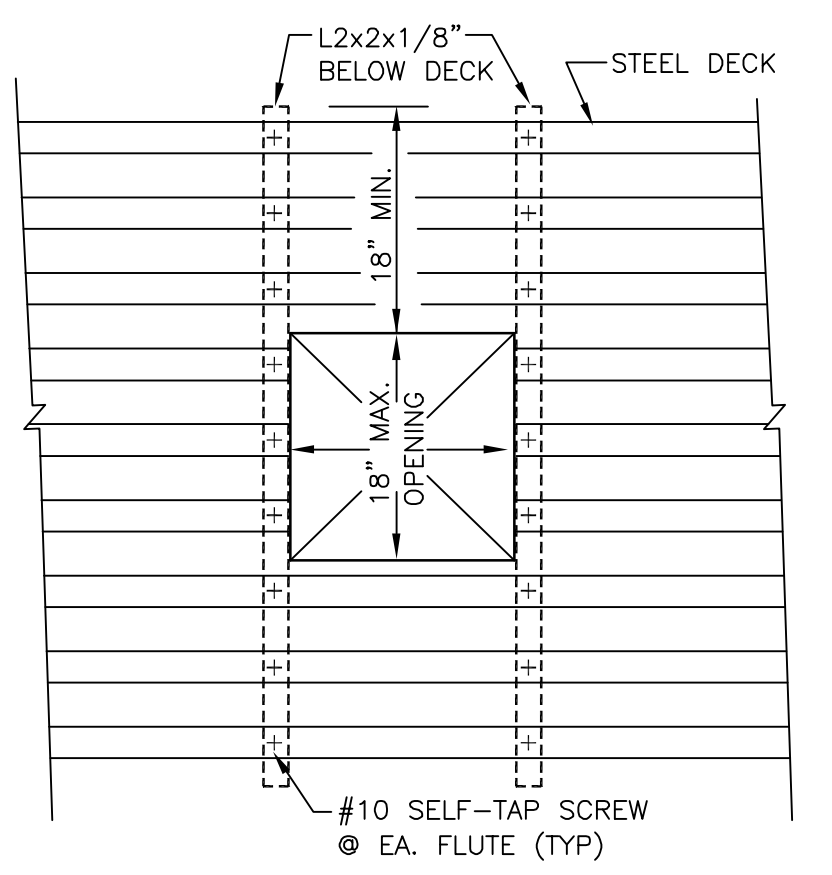


NOTE: SIMILAR REINF. SHALL BE PROVIDED WHEN CONCENTRATED LOADS FALL ON THE BOTTOM CHORD BETWEEN PANEL POINTS.

10
S3.1 TYP. STEEL BAR JOIST REINF. @ CONCENTRATED LOADS



9
S3.1 HOLDOWNS @ MECH. UNITS

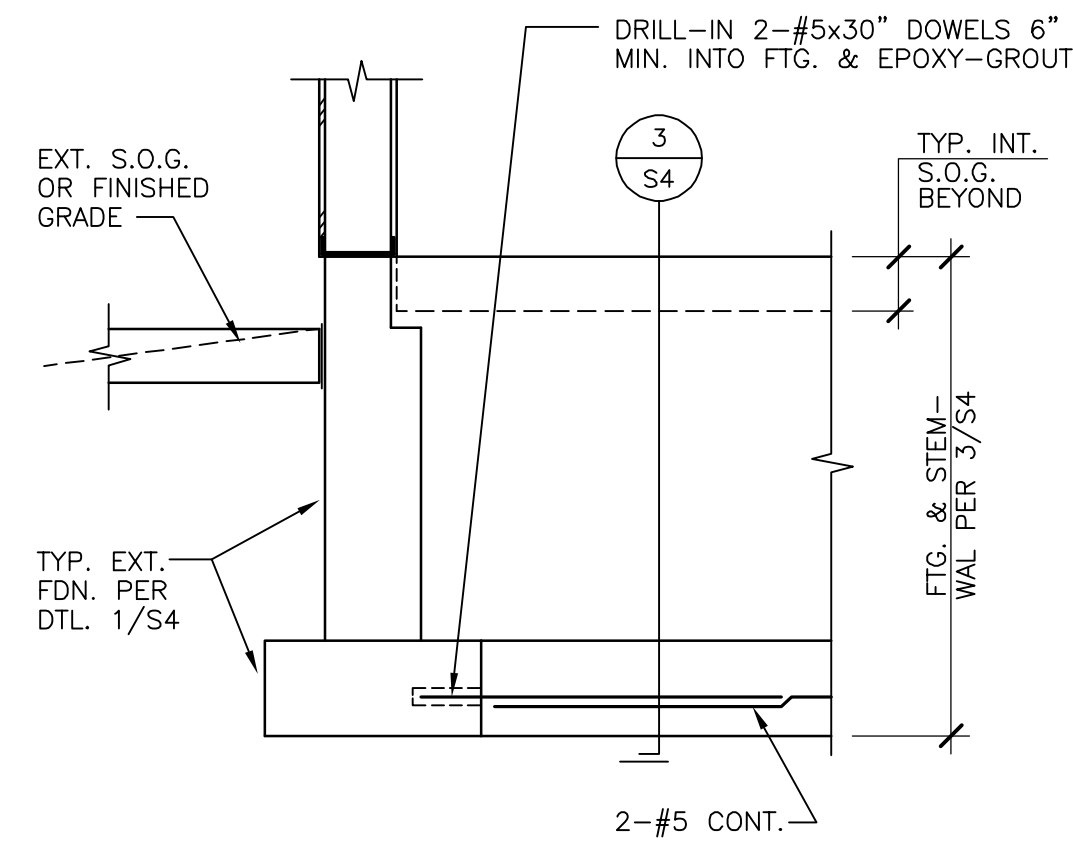


8
S3.1 TYP. SUPPORT @ STL. DECK OPNGS. LESS THAN 18" WIDE

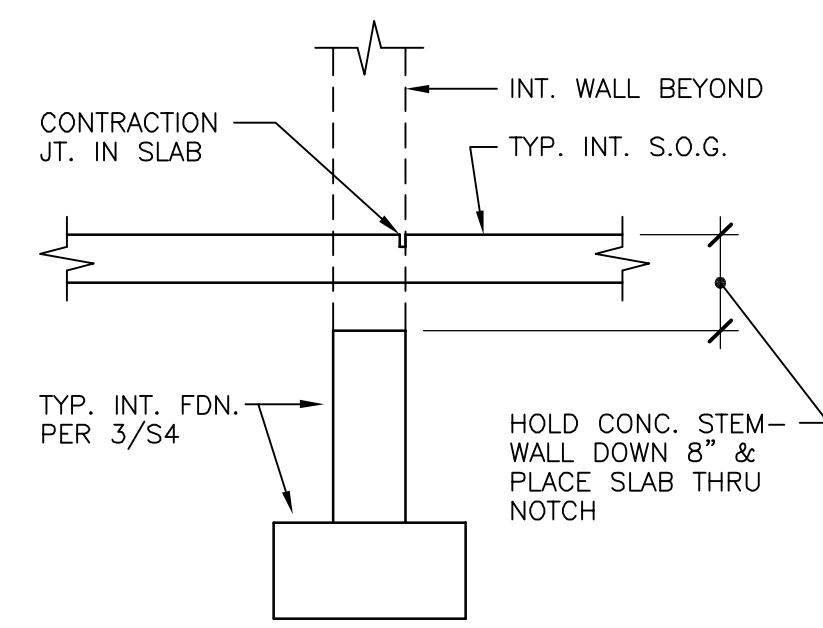


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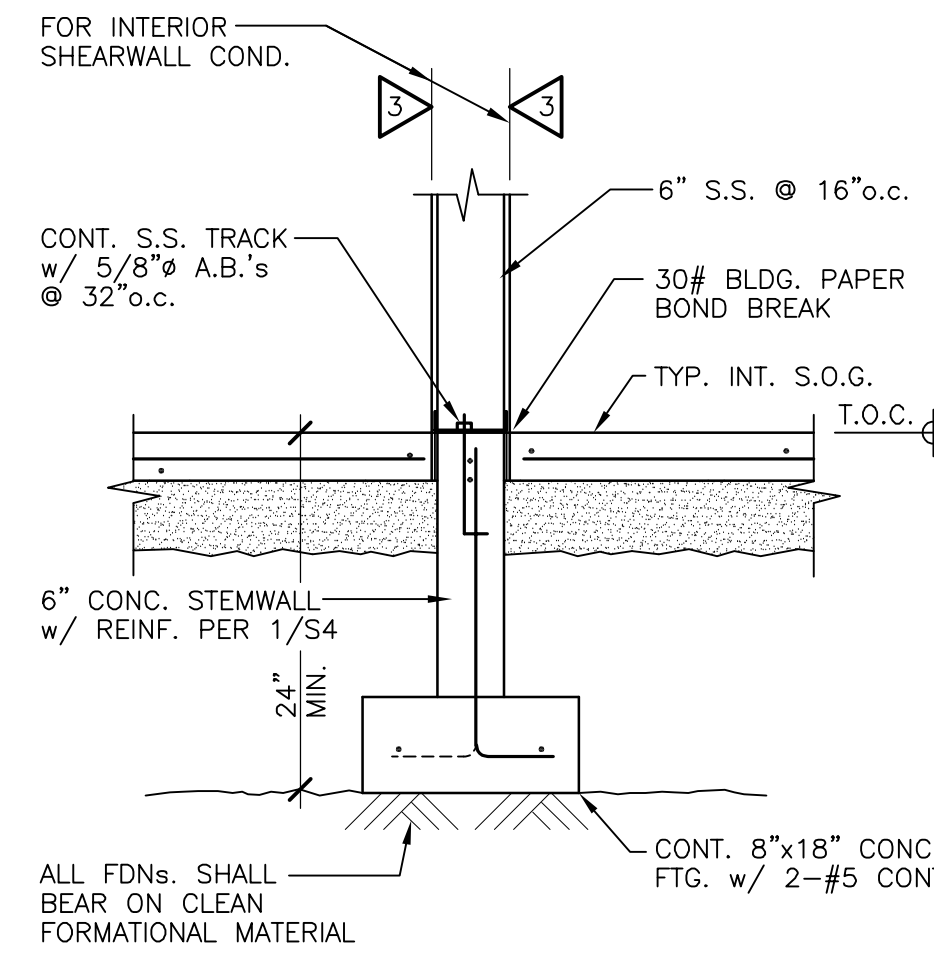
		WILSON STRUCTURAL ENGINEERING, INC. 1235 THOROUGHbred RD. DURANGO, CO 81303 Phone: (970) 385-6774
A PROPOSED STRUCTURAL DESIGN FOR THE NEW:		FILE NAME:
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY		05122.NOT.1
FARMINGTON, NEW MEXICO		PROJECT:
MISCELLANEOUS & UNREFERENCED TYPICAL DETAILS		05122
DRAWN: GW	CHECKED: DW	DATE: 8-16-2022
		SHEET: S3.1 OF 55



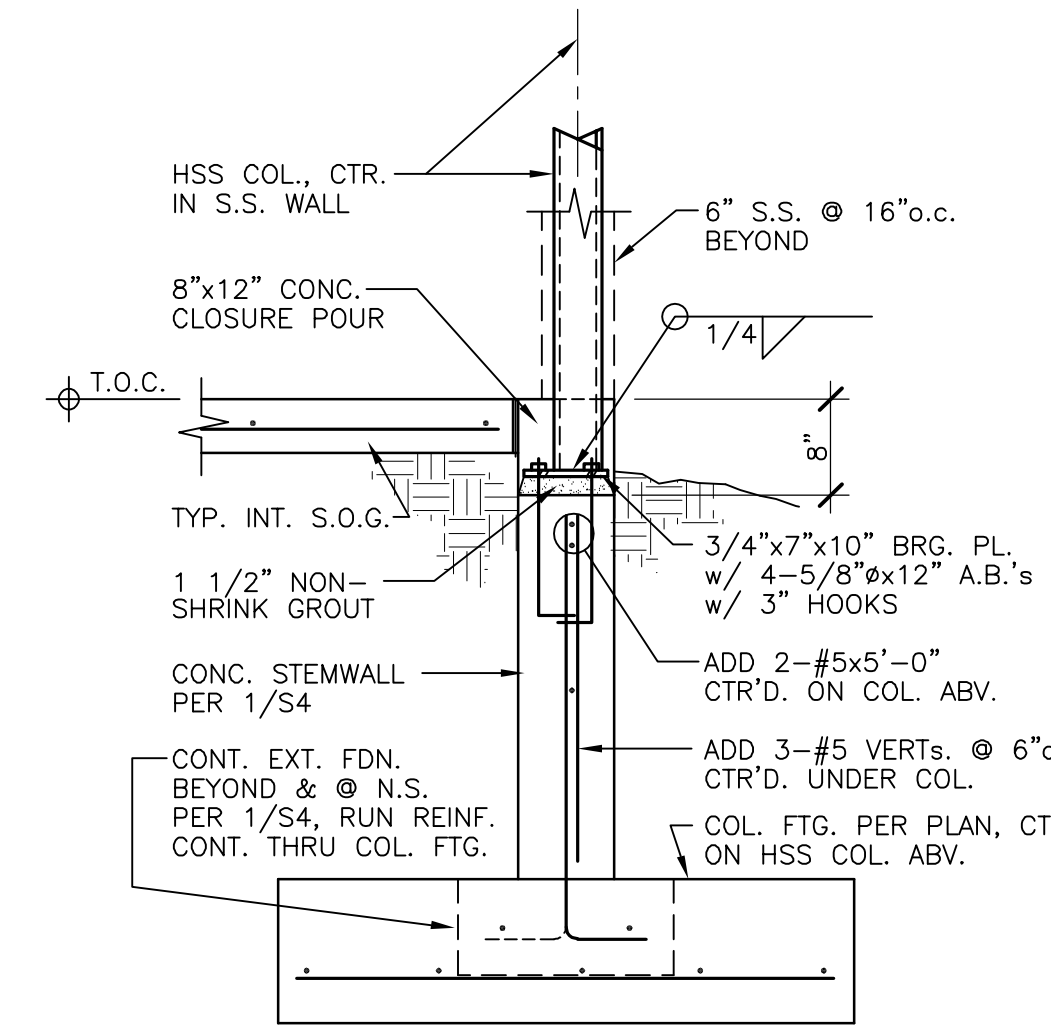
5
S4 TYP. INTERSECTION OF INT. FTG./STEMWALL W/ EXT. FDN.



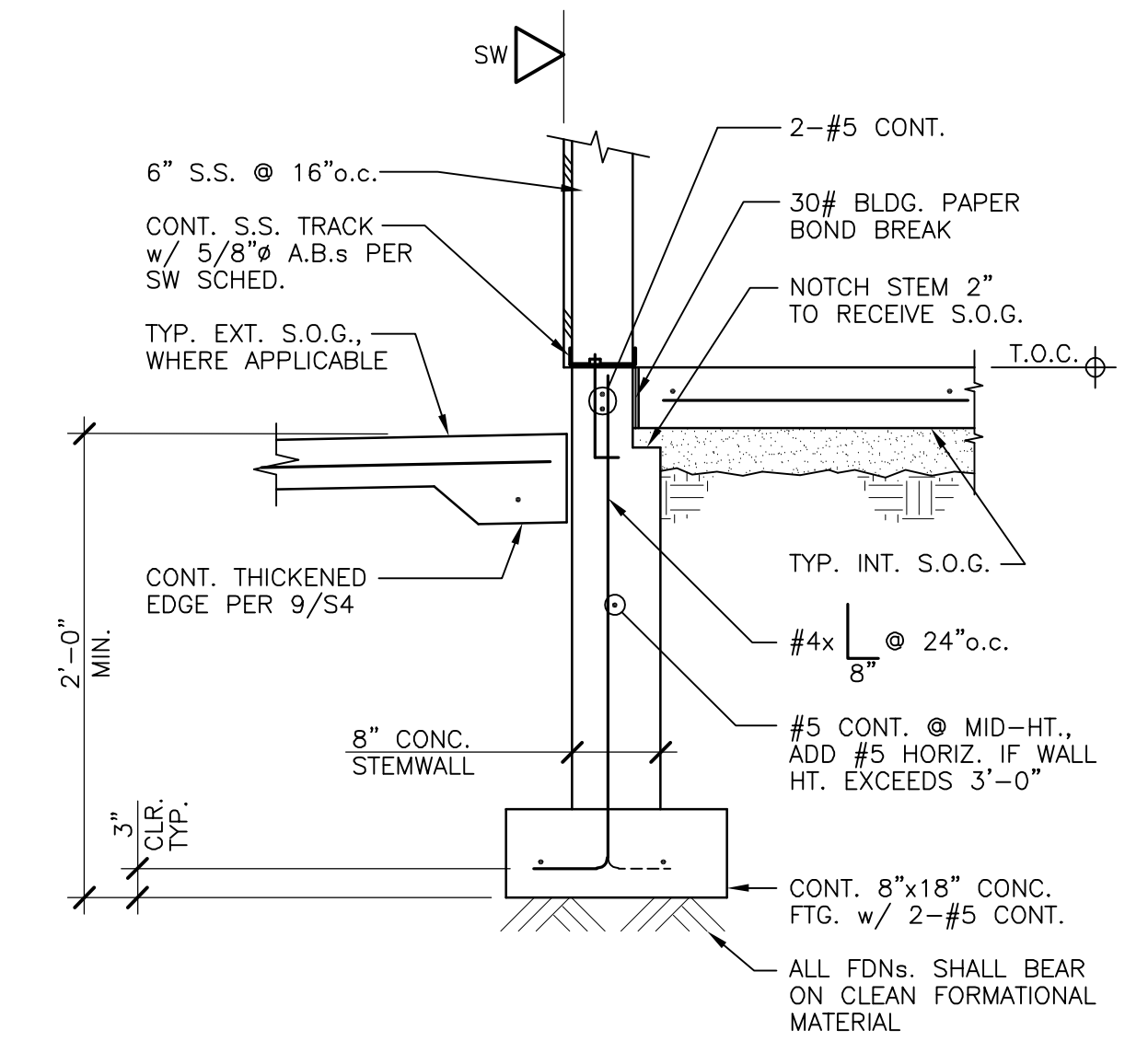
4
S4 TYP. INT. FDN. @ DOORWAYS & HALLWAYS, ETC.



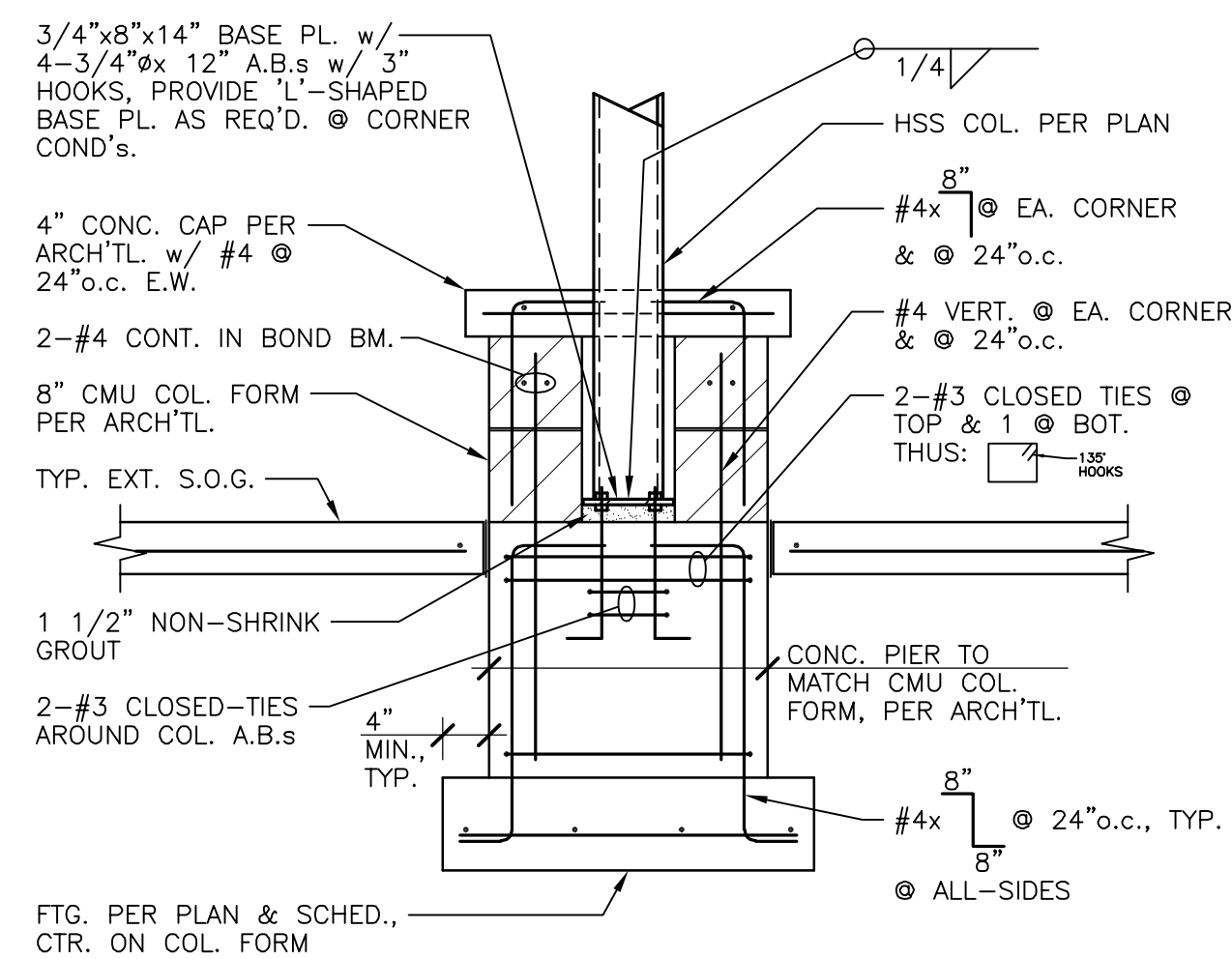
3
S4 TYP. INT. FDN. @ INT. BRG. WALLS



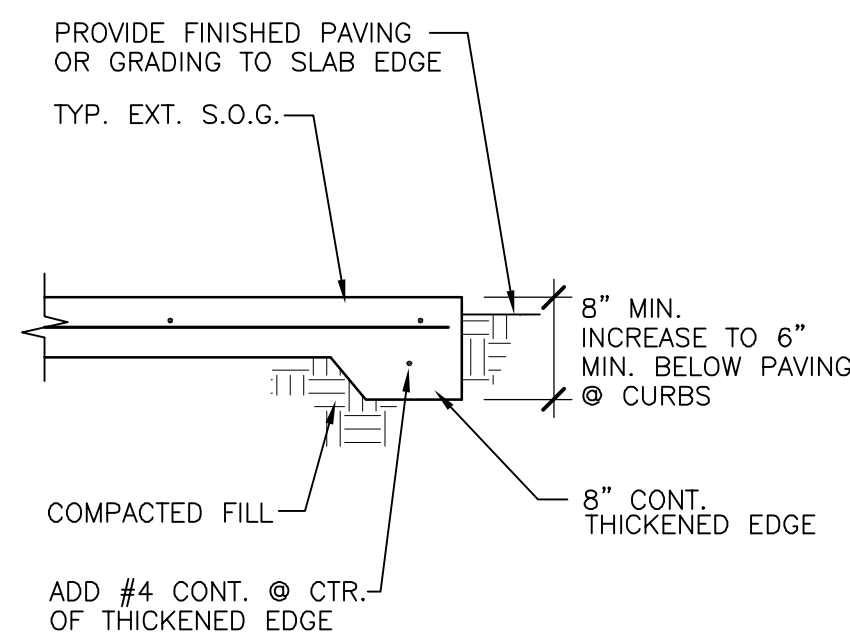
2
S4 TYP. EXT. TS COL. BRG. ON STEMWALL



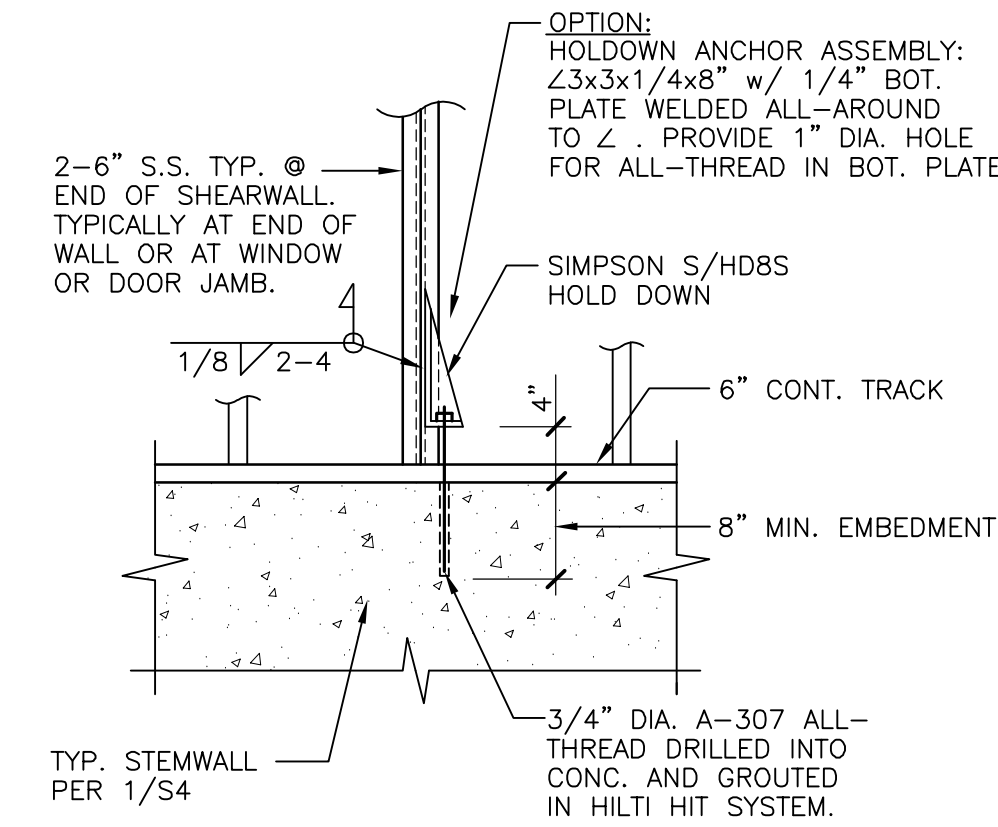
1
S4 TYP. EXTERIOR FOUNDATION



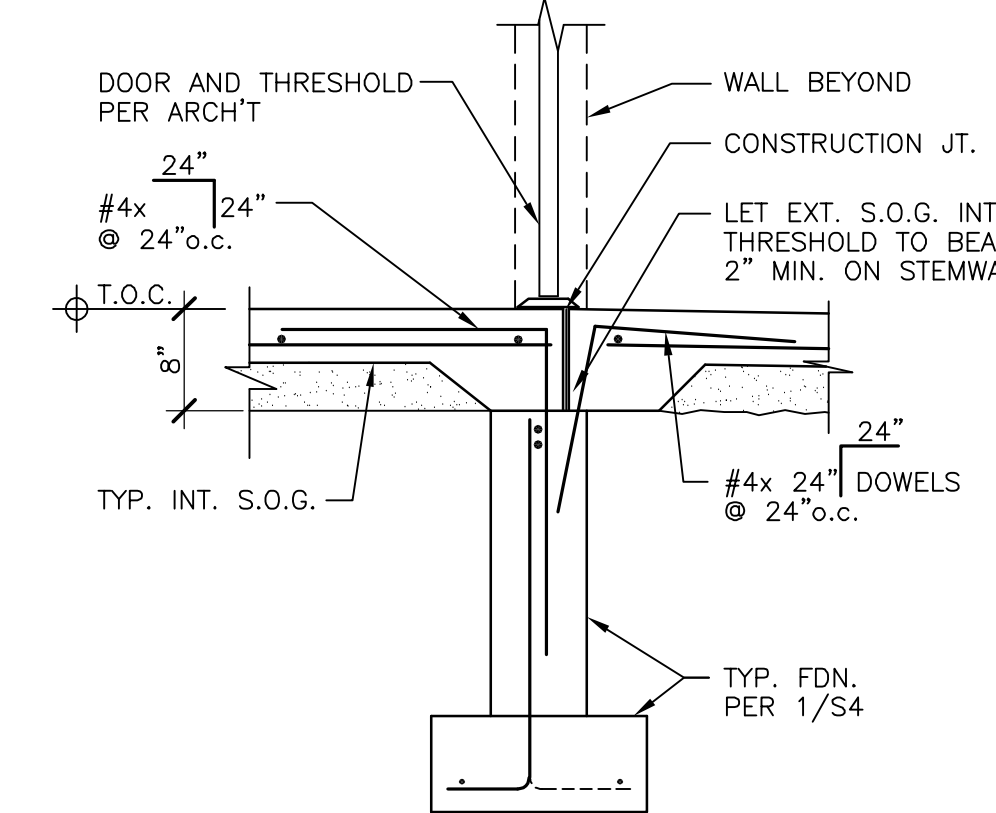
10
S4 TYP. EXT. HSS COL. FDN./CMU COL. FORM



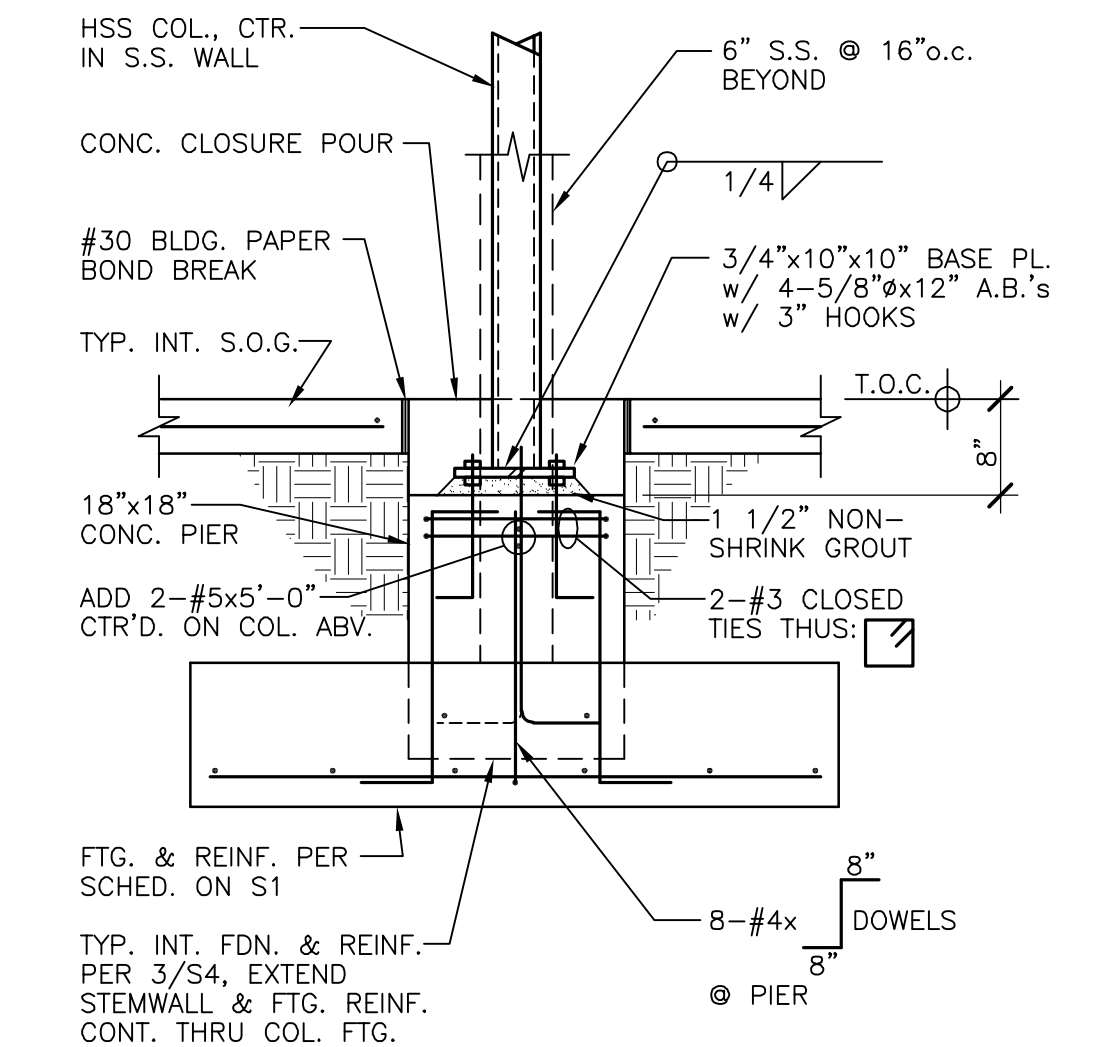
9
S4 TYP. EXTERIOR SLAB EDGE



8
S4 TYP. SHEARWALL HOLDDOWN ANCHOR



7
S4 FDN. @ MAN DOOR & STOREFRONT THRESHOLDS

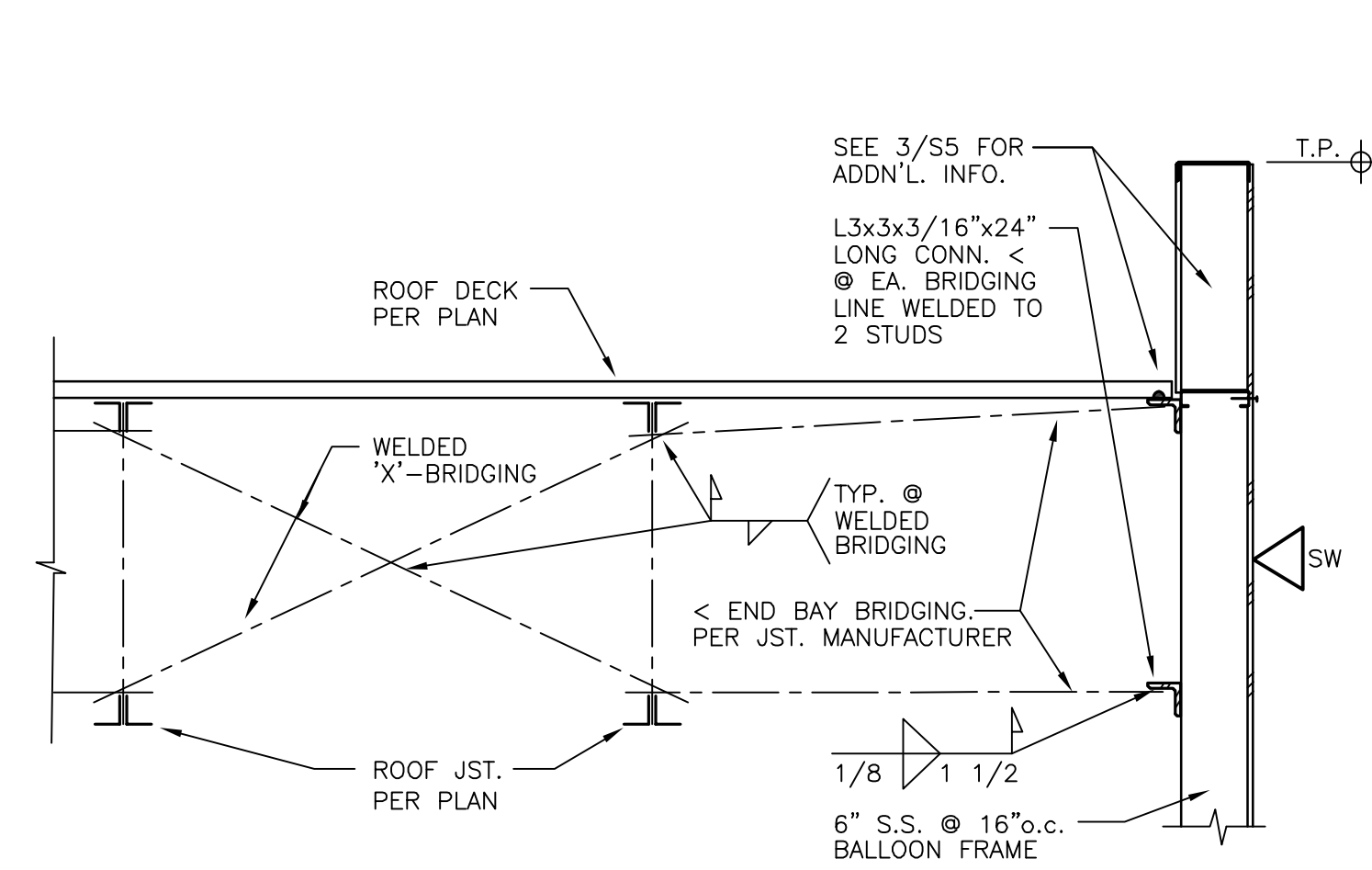


6
S4 TYP. HSS COL. BRG. ON INTERIOR FTG.

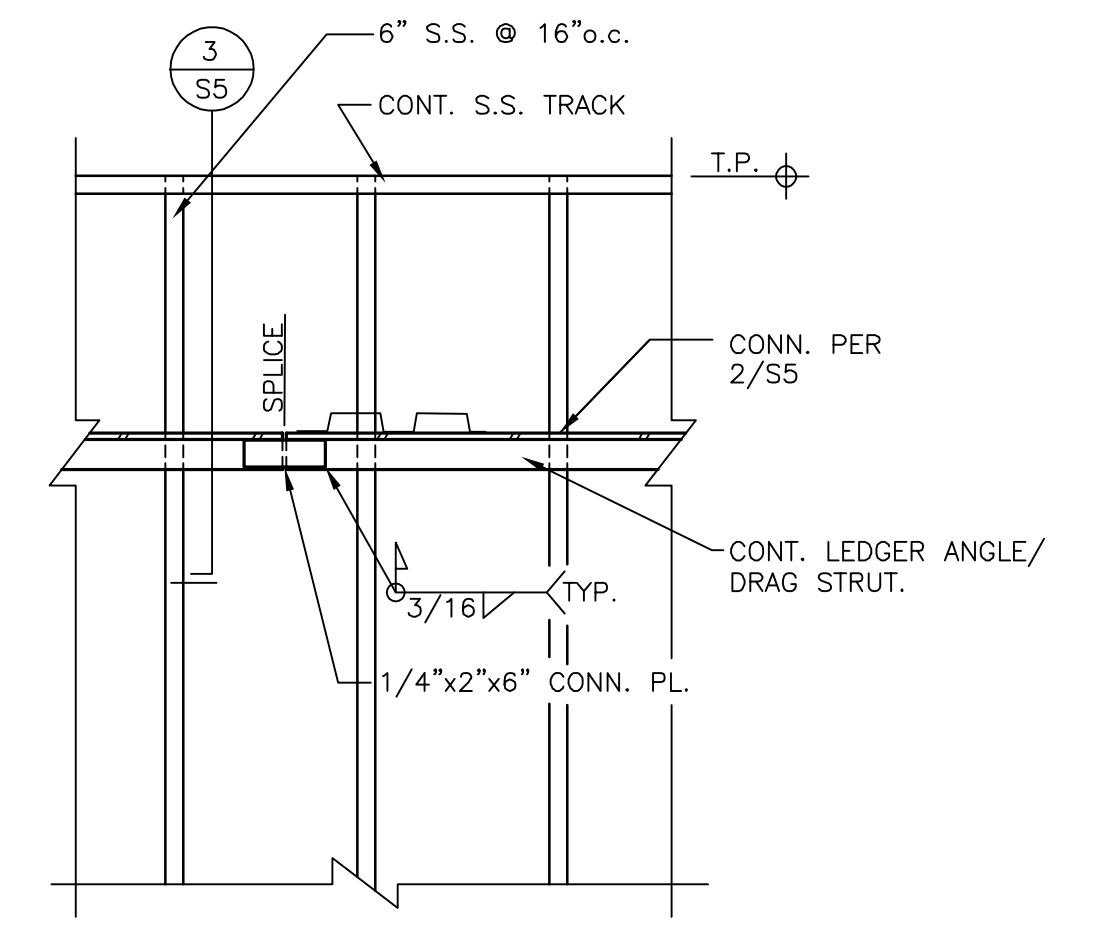


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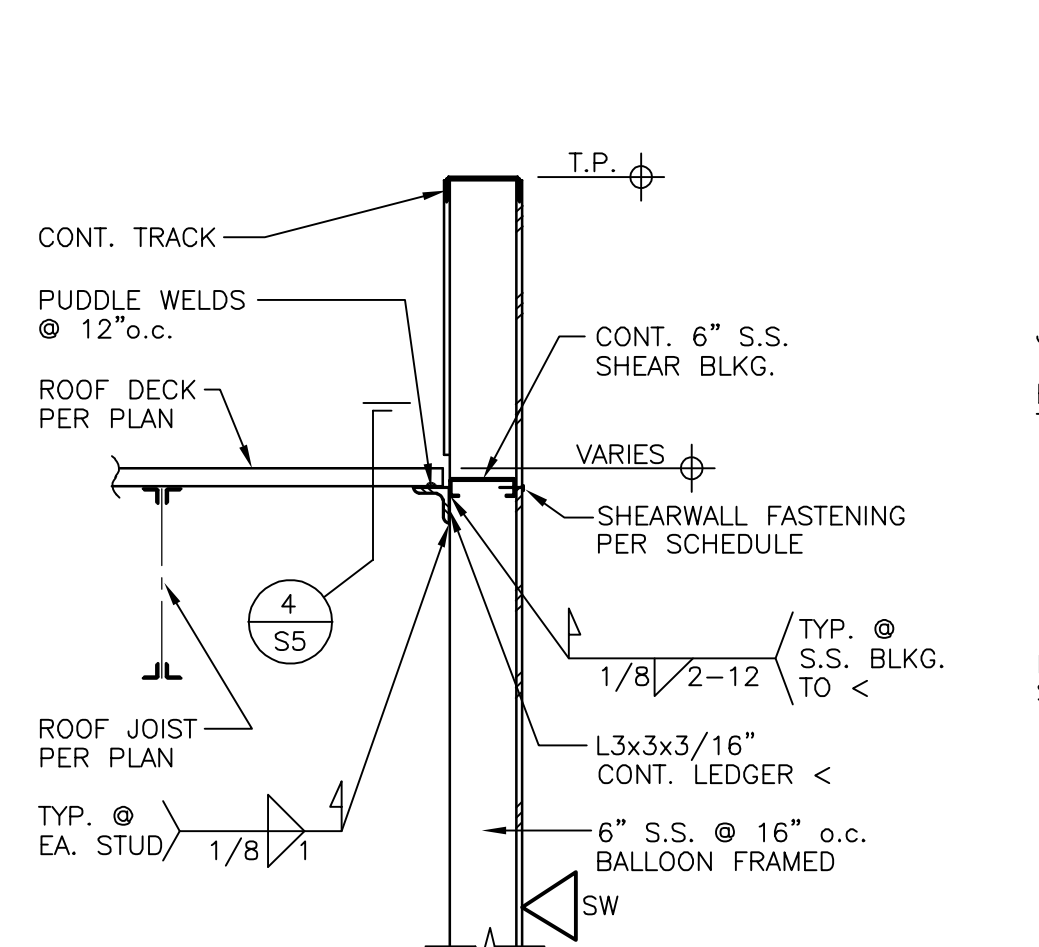
		WILSON STRUCTURAL ENGINEERING, INC. 1235 THOROUGHbred RD. DURANGO, CO 81303 Phone: (970) 385-6774	
A PROPOSED STRUCTURAL DESIGN FOR THE NEW:		FILE NAME:	
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY		05122.S4	
FARMINGTON, NEW MEXICO		PROJECT:	
FOUNDATION DETAILS		05122	
DRAWN: GW		SHEET:	
CHECKED: CW		S4	
DATE: 8-16-2022		OF S5	



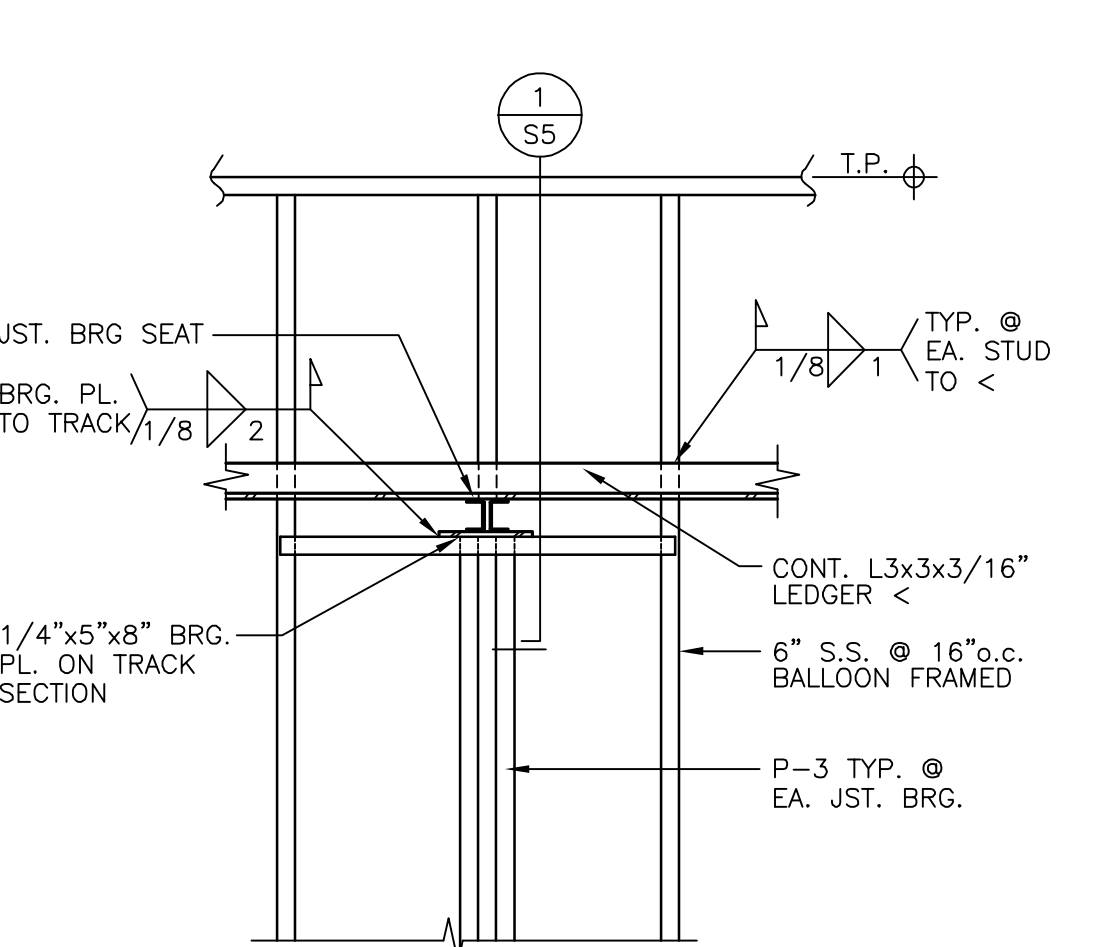
5 S5 ROOF JST. BRIDGING LINE @ NON-BEARING STL. STUD WALL



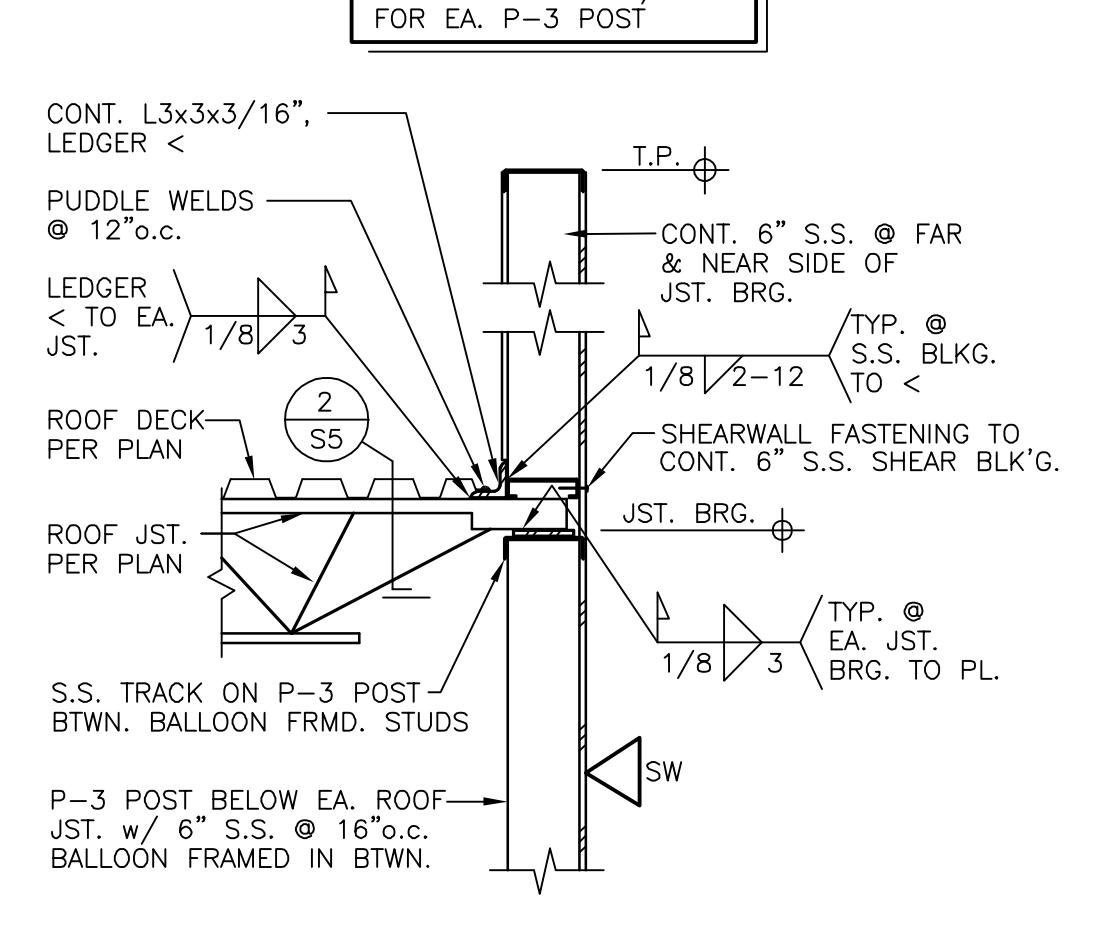
4 S5 TYP. LEDGER SPLICE @ ROOF DIAPHRAGM



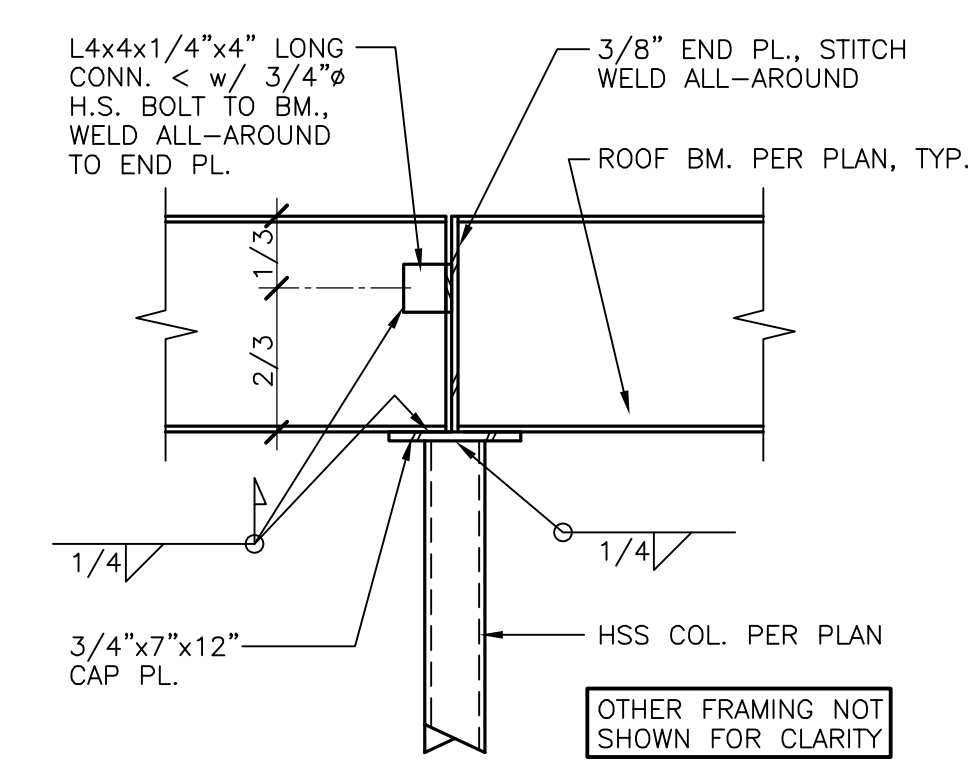
3 S5 EXTERIOR S.S. ENDWALL/ ROOF CONNECTION



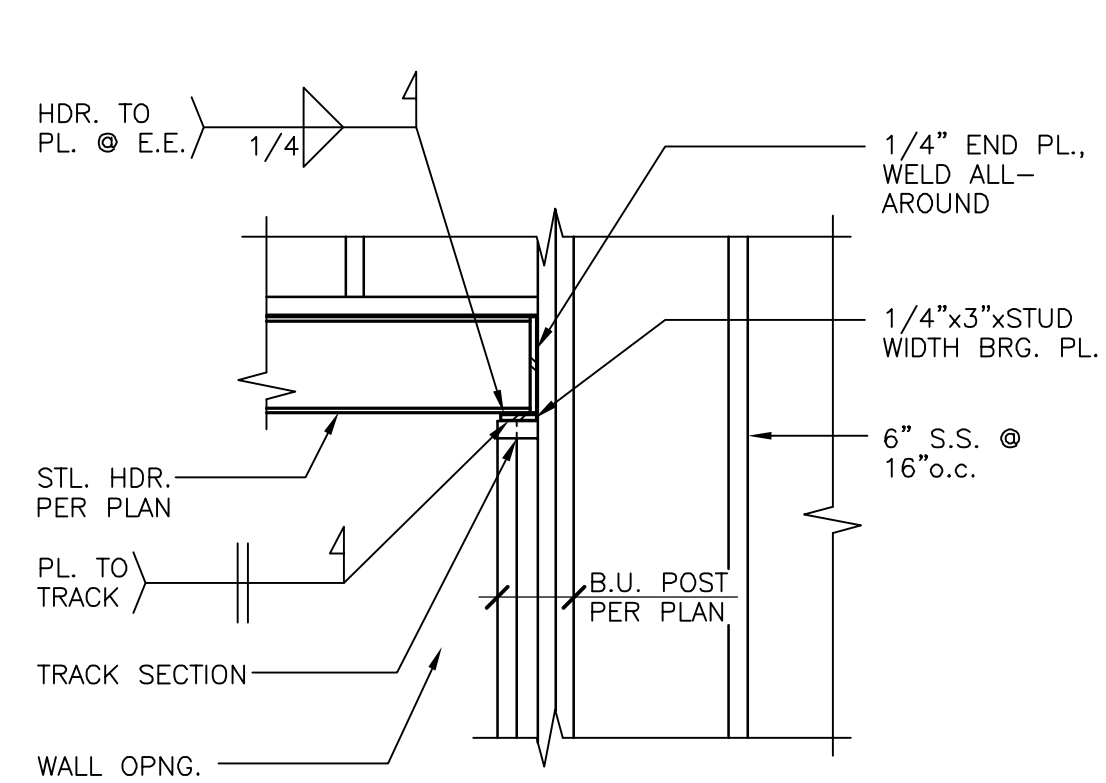
2 S5 TYP. ROOF JST. BRG. @ STL. STUD B.U. POST



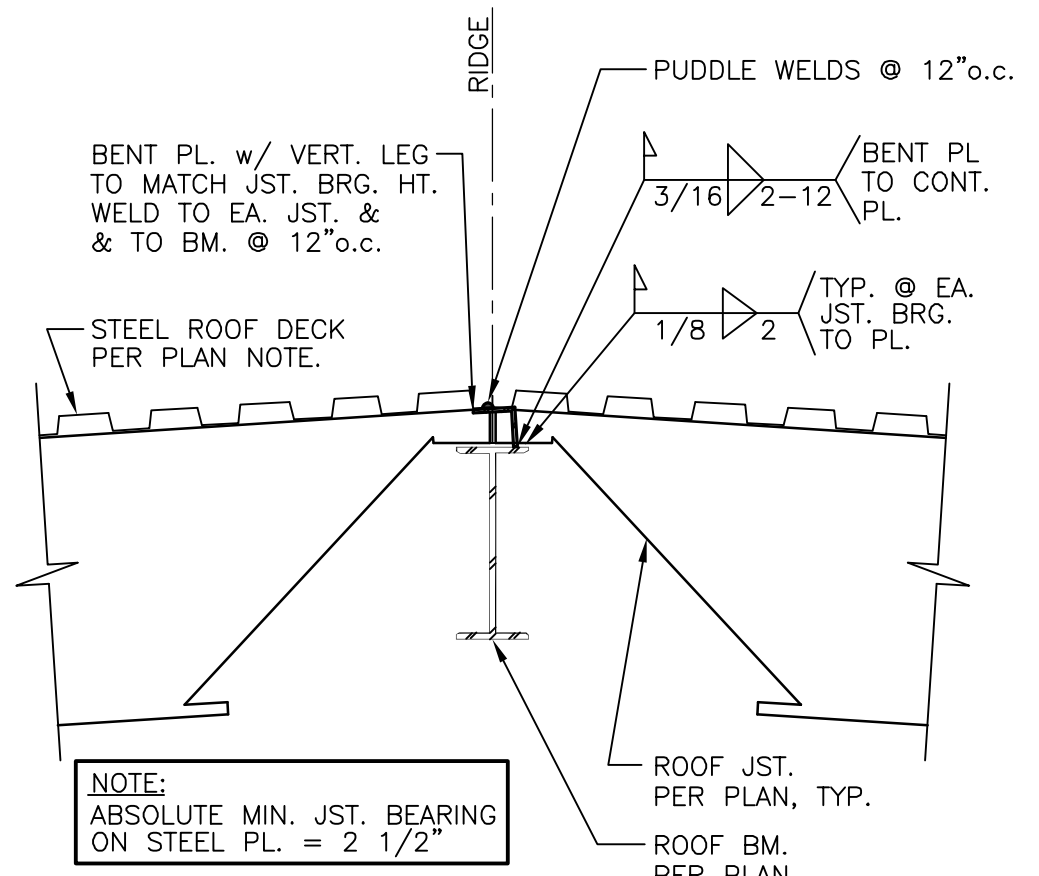
1 S5 TYP. ROOF JST. BRG. @ STEEL STUD (S.S.) WALL



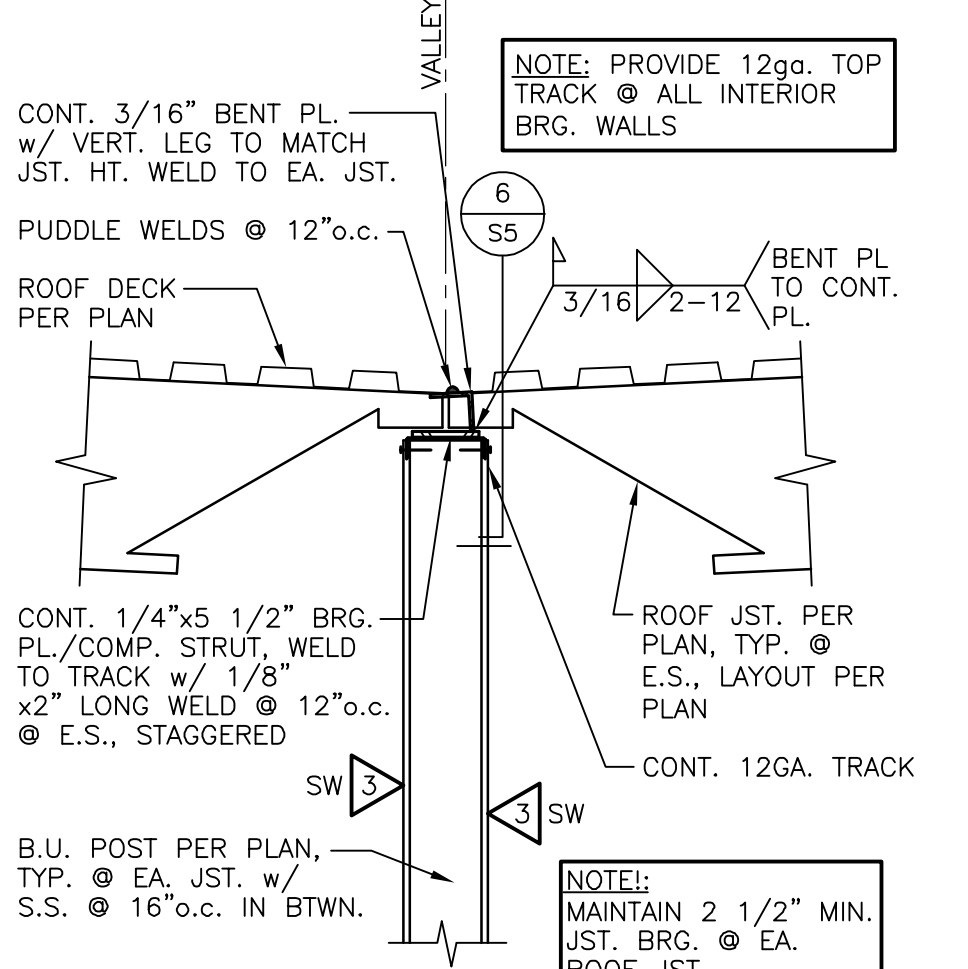
10 S5 TYP. BEAM SPLICE OVER INTERIOR HSS COL.



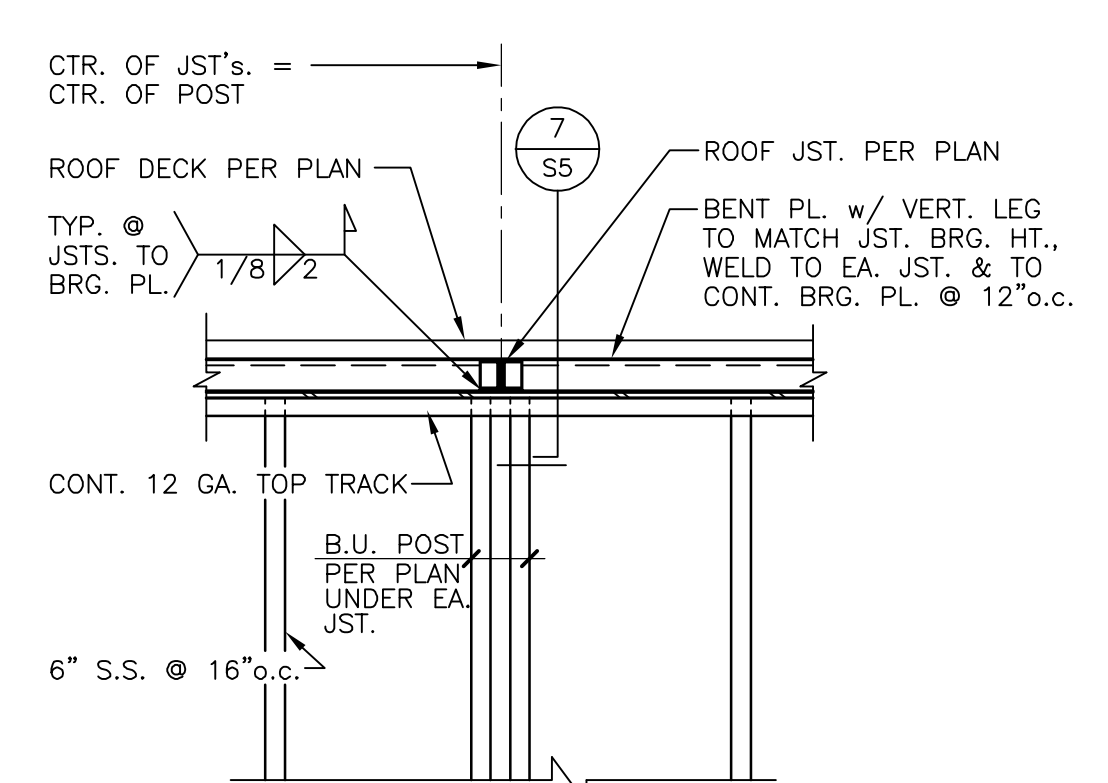
9 S5 TYP. STL. HDR. CONN. @ EXT. BRG. WALLS



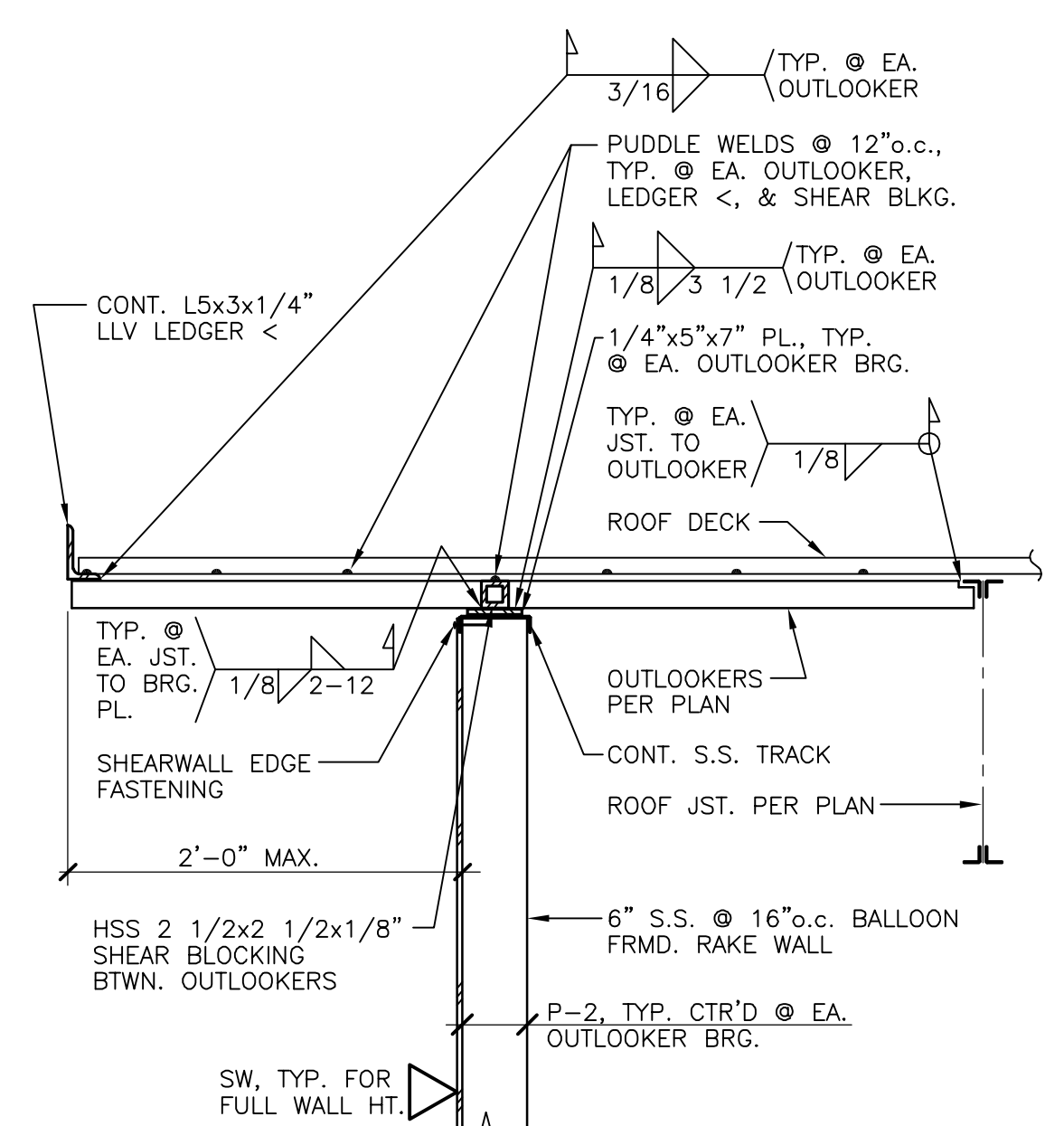
8 S5 TYP. ROOF JOISTS BRG. @ ROOF BM. (R.B)



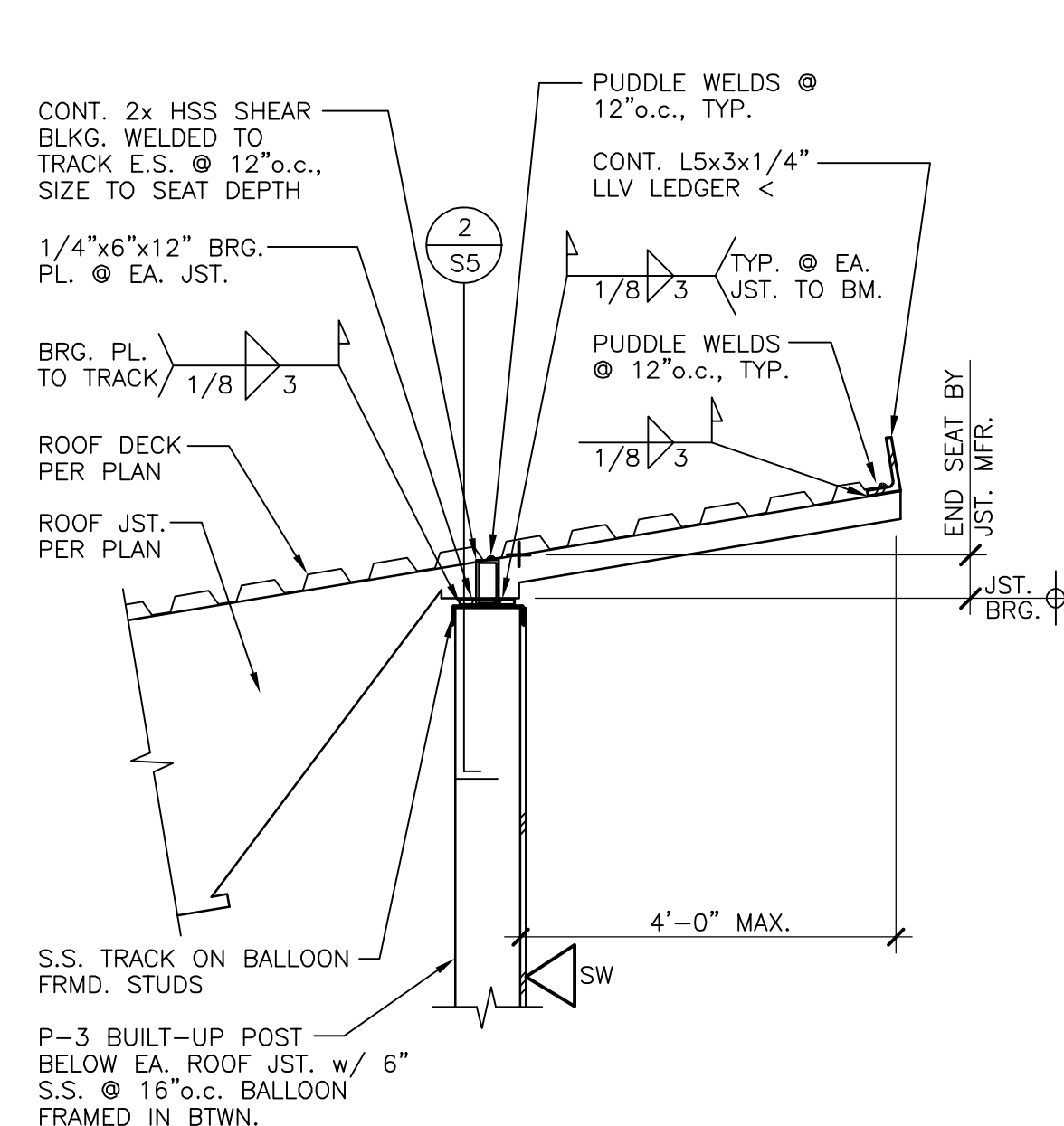
7 S5 TYP. ROOF JST. BRG. @ INT. STL. STUD WALL



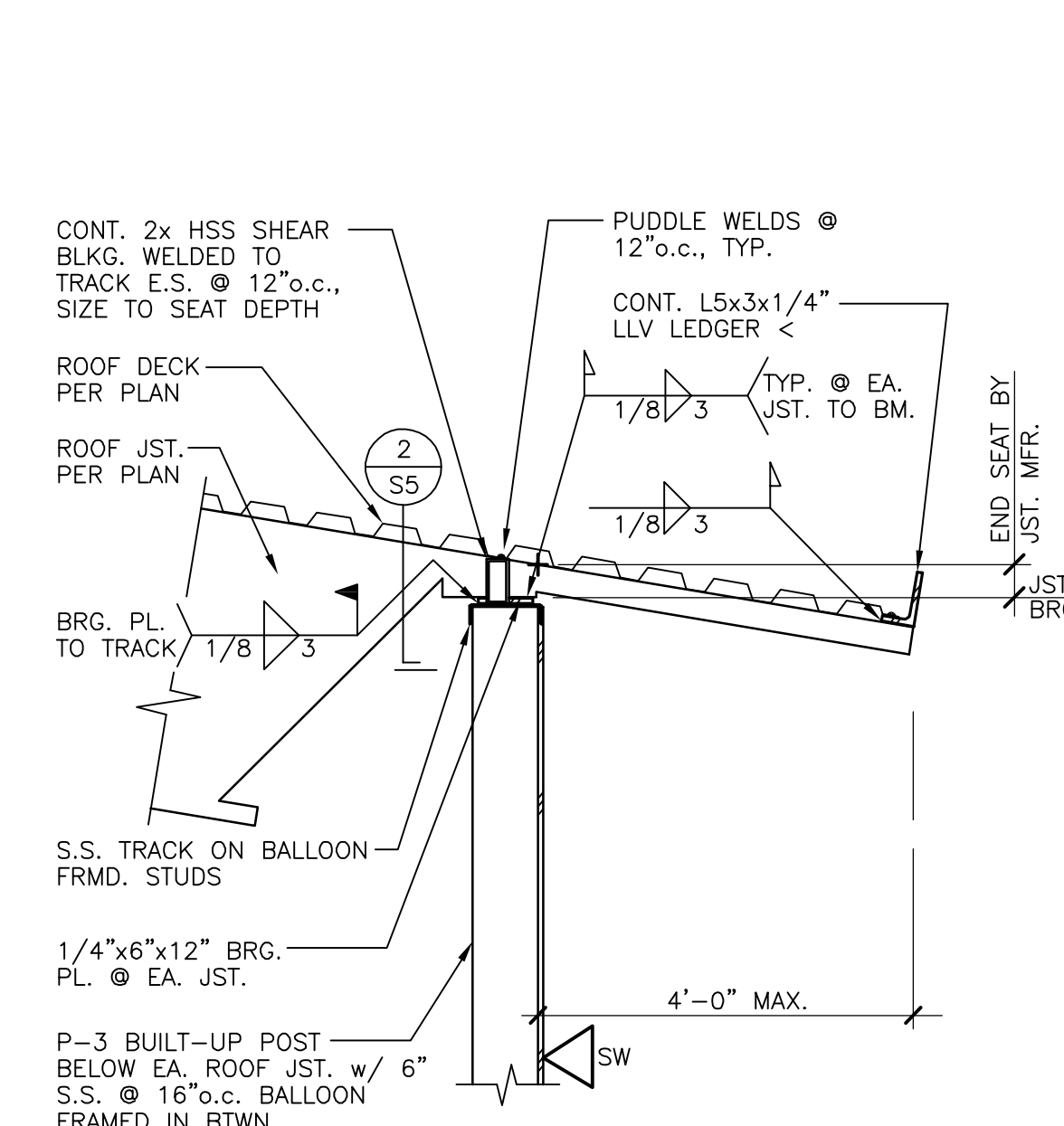
6 S5 TYP. ROOF JSTS. BRG. @ INT. BRG. WALL



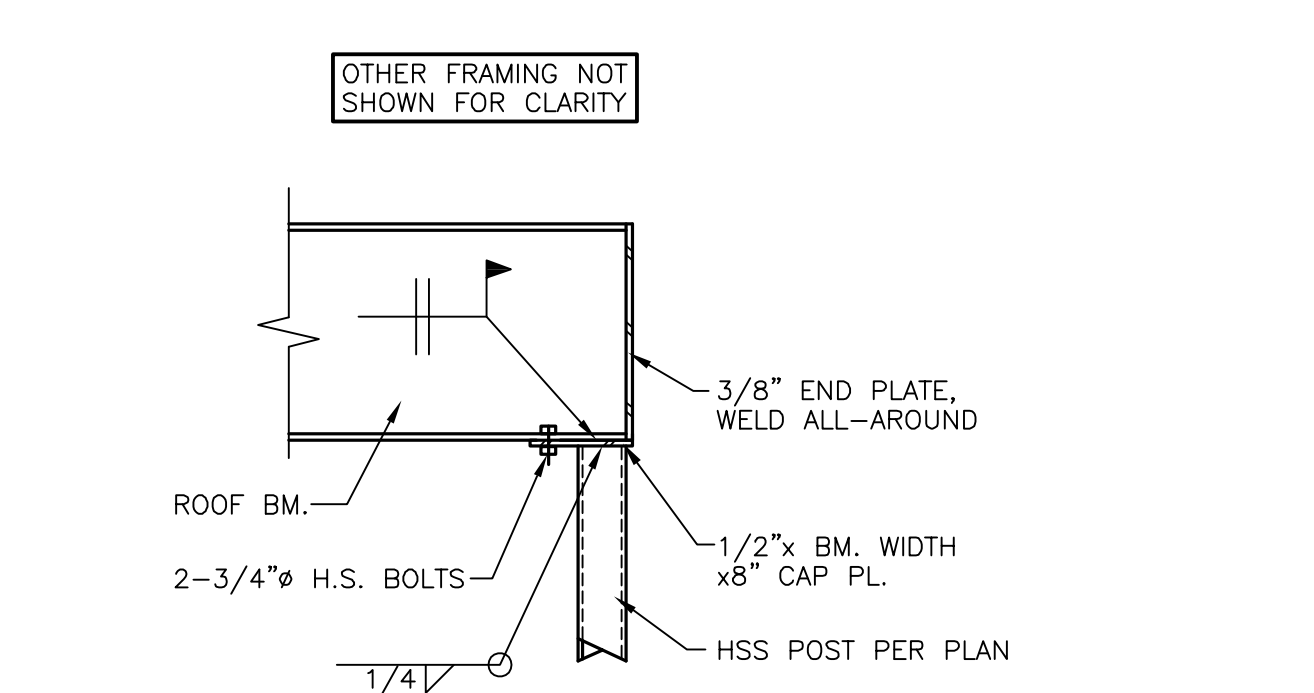
14 S5 ROOF OVERHANG @ NON-BRG. EXT. WALL



13 S5 TYP. HIGH ROOF EAVE DETAIL



12 S5 TYP. LOW ROOF EAVE DETAIL



11 S5 STL. BM. BRG. @ HSS POST

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A PROPOSED STRUCTURAL DESIGN FOR THE NEW: SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NEW MEXICO ROOF FRAMING DETAILS	FILE NAME: 05122.S5 PROJECT: 05122 SHEET: S5 OF S5
DRAWN: GW CHECKED: DW DATE: 8-16-2022	

MECHANICAL REQUIREMENTS

ALL HVAC WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE RECOMMENDATIONS AND THE LOCAL MECHANICAL CODE REQUIREMENTS.

THE HVAC CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS TO THE EXACT LOCATIONS AND SIZE OF ROOF PENETRATIONS.

ALL ELECTRICAL WORK INCLUDING CONNECTIONS TO ALL EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTROL WIRING TO THE THERMOSTATS SHALL BE BY THE HVAC CONTRACTOR.

INSULATE ALL SUPPLY AND RETURN AIR DUCTS FIBERGLASS BATT INSULATION WITH VAPOR BARRIER, MINIMUM INSTALLED R VALUE = 5.

ALL MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE FLAME-SPEED INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATINGS INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR ANSI/UL 723.

ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

THE HVAC CONTRACTOR SHALL SUBMIT TO THE OWNER ALL EQUIPMENT INSTALLATION AND OPERATING MANUALS, AND RECOMMENDED PARTS LISTS ON OR BEFORE THE COMPLETION OF THE HVAC WORK.

CALIBRATE, TEST AND ADJUST ALL TEMPERATURE, ELECTRICAL AND CONTROL DEVICES AS REQUIRED BEFORE TEST RUNNING THE HVAC SYSTEM.

ALL THERMOSTATS SHALL BE INSTALLED APPROXIMATELY 5'-0" AFF, OR AS REQUIRED TO MEET HANDICAP STANDARDS. VERIFY ACTUAL LOCATION WITH THE ARCHITECTURAL PLANS.

TEST RUN ALL HVAC SYSTEMS FOR AT LEAST THREE 24 HOUR PERIODS IN THE PRESENCE OF THE GENERAL CONTRACTOR BEFORE GIVING NOTICE OF COMPLETION OF THE WORK TO THE OWNER AND BEFORE ACCEPTANCE BY THE OWNER.

RUN CONDENSATE DRAIN LINES FULL SIZE TO THE NEAREST CODE APPROVED DRAIN CONNECTION.

ALL REGISTERS AND DIFFUSERS TO HAVE DAMPERS OR EXTRACTORS FOR AIR BALANCE.

ALL DIMENSIONS ARE CLEAR INSIDE.

HVAC UNITS ARE TO BE PLACED IN SUCH A MANNER AS NOT TO RESTRICT AIR FLOW BETWEEN UNITS.

CONTRACTOR SHALL FURNISH FOR APPROVAL, SIX COPIES OF SHOP DRAWINGS TO THE ARCHITECT TO COMPLETELY IDENTIFY ALL MATERIAL AND EQUIPMENT TO BE INSTALLED AND USED ON THE PROJECT.

THE EQUIPMENT ROUGH-INS SHOWN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER IN SOME INSTANCES THE OWNER OR SUPPLIER MAY SUBSTITUTE FOR THE EQUIPMENT ITEM OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT CHANGES DIRECTLY UPON THE CONTRACTOR.

UNLESS NOTED OTHERWISE, GRILLE, REGISTERS AND DIFFUSERS SHALL BE SUPPLIED WITH FACTORY FINISH IN STANDARD COLORS SELECTED BY THE ARCHITECT. SIZES SHALL BE NOTED ON THE DRAWINGS AND AS SCHEDULED.

INSULATION SHALL BE AS MANUFACTURED BY JOHNS-MANVILLE, OWENS-CORNING, PITTSBURGH PLATE GLASS CO., PHILIP CAREY MANUFACTURING CO., CERTAIN-TEED ST. GOBAIN CO. OR APPROVED EQUAL.

INSULATION SHALL BE APPLIED WITH ALL JOINTS CAREFULLY FITTED TO ELIMINATE VOIDS.

FLEXIBLE DUCTING SHALL BE AS MANUFACTURED BY WIREMOLD FLEXIBLE TUBING CORP. OR APPROVED EQUAL.

ALL DUCTS SHALL BE FIRMLY SUPPORTED OR HUNG AND NEATLY ALIGNED AND INSTALLED. SPACE HANGERS AS REQUIRED TO SUPPORT THE DUCTS WITHOUT SAGGING. LOCATION AND SPACING OF HANGERS AND SUPPORTS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. FURNISH AND INSTALL ALL NECESSARY SUPPORTING MATERIAL AND ADDUCTION STRUCTURAL MEMBERS. SEAL OPEN SPACE BETWEEN DUCTS AND WALL. COORDINATE DUCTWORK WITH LIGHTING FIXTURES, CEILING SUPPORT SYSTEM, ACCESS DOORS, ETC.

MAXIMUM LENGTH OF FLEXIBLE DUCTING SHALL BE 5'.

INSTALL TURNING VANES IN ALL RECTANGULAR DUCTWORK AT CHANGES IN DIRECTION OF GREATER THAN 45 DEGREES.

DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2015 UNIFORM MECHANICAL CODE. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTION SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, MASTIC, MASTIC-PLUS EMBEDDED-FABRIC SYSTEM OR TAPES INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ALL TAPES AND MASTICS USED SHALL MEET UL REQUIREMENT 181.

PROVIDE A "TEST AND BALANCE" REPORT IN ACCORDANCE WITH PROCEDURES AND WITH EQUIPMENT AS PER SMACNA HVAC SYSTEMS TESTING, ADJUSTING & BALANCING MANUAL AND 2018 IECC, C408.2.2. THE TESTS SHALL BE PERFORMED AND THE REPORT SHALL BE PROVIDED BY AN INDEPENDENT THIRD PARTY.

EQUIPMENT SCHEDULE

- 1 ROOFTOP UNIT: SELF CONTAINED UNIT WITH GAS FIRE HEATING AND ELECTRIC POWERED REFRIGERATED AIR COOLING. THE UNIT SHALL BE COMPLETELY FACTORY ASSEMBLED, TESTED AND CHARGED. THE COMPRESSOR SHALL BE HERMETIC TYPE WITH CRANKCASE HEATER, OVERLOAD PROTECTION, HIGH AND LOW PRESSURE PROTECTION AND A FIVE YEAR WARRANTY. THE CONDENSER SECTION SHALL HAVE ALUMINUM FINNED TO SEAMLESS COPPER TUBES. THE CONDENSER FAN SHALL BE DIRECT DRIVEN PROPELLER TYPE AND SHALL BE MOUNTED ON VIBRATION ISOLATORS. THE EVAPORATOR COIL SHALL HAVE ALUMINUM FINNED TO SEAMLESS COPPER TUBES. THE EVAPORATOR FAN SHALL BE CENTRIFUGAL TYPE WITH FORWARD CURVED BLADES AND SHALL BE MOUNTED ON VIBRATION ISOLATORS. THE GAS HEATING SECTION SHALL BE ASG RATED AND APPROVED WITH FULL SAFETY CONTROLS, ELECTRIC HOT SURFACE IGNITION SYSTEM, HIGH LIMIT CONTROLS AND SHALL BE ORIFICED FOR 5000' ELEVATION. PROVIDE THE UNIT WITH FULL ECONOMIZER SECTION AND CONTROLS, 2" THICK THROW-AWAY FILTERS, ROOF CURB AND PROGRAMMABLE THERMOSTAT. RATINGS ARE AT 95 DEG F AMBIENT TEMPERATURE AND 67 DEG F EWB TEMPERATURE. PROVIDE UNIT WITH IVUE BACNET CONTROL CARD TO BE COMPATIBLE WITH IVUE ENERGY MANAGEMENT SYSTEM. VERIFY WITH OWNER. MODEL NUMBERS ARE CARRIER 48FC.

Table with 5 columns: SYMBOL, MODEL, TOTAL COOLING, SENS. COOLING, HEAT INPUT, HEAT OUTPUT

Table with 8 columns: SYMBOL, CFM, ESP, VOLTS, PH, MCA, WEIGHT, SEER/EEER

*PROVIDE THIS UNIT WITH SMOKE DETECTOR.

- 4 HEAT PUMP UNIT: THRU-THE-WALL HEAT PUMP UNIT WITH INTEGRAL THERMOSTAT, TOUCH PAD CONTROLS, WASHABLE FILTER, WALL SLEEVE, 2 SPEED FAN AND OUTSIDE DAMPER. PROVIDE UNIT WITH IVUE BACNET CONTROL CARD TO BE COMPATIBLE IVUE ENERGY MANAGEMENT SYSTEM. COORDINATE WITH OWNER. MODEL NUMBERS ARE AMANA PBH.

Table with 8 columns: SYMBOL, MODEL, COOL CAP, HEAT BTUH, VOLTS, PH, WATTS, SEER

- 5 EXHAUST FAN: CEILING MOUNTED, DIRECT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN WITH BACKDRAFT DAMPER AND INLET GRILLE. MODEL NUMBERS ARE GREENHECK.

Table with 7 columns: SYMBOL, MODEL, CFM, ESP, VOLTS, PH, WATTS, SONES

- 6 EXHAUST FAN: ROOF MOUNTED, BELT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN. PROVIDE WITH ROOF CURB, BACKDRAFT DAMPER, BIRD SCREEN AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE GREENHECK.

Table with 7 columns: SYMBOL, MODEL, CFM, ESP, VOLTS, PH, HP, RPM

- 7 WALL HEATER: WALL MOUNTED, ELECTRIC POWERED HEATER WITH FAN, THERMAL OVERLOAD, BUILT-IN THERMOSTAT AND ANODIZED ALUMINUM FRAME. MODEL NUMBERS ARE BRASCH.

Table with 6 columns: SYMBOL, MODEL, VOLTS, PH, WATTS

- 8 HEAT PUMP OUTDOOR UNIT: SELF CONTAINED UNIT WITH VARIABLE SPEED COMPRESSOR, DIRECT DRIVEN FAN WITH GUARD, R-410 REFRIGERANT, LOW AMBIENT CONTROL AND REFRIGERANT PIPING KIT AS REQUIRED. MODEL NUMBERS ARE CARRIER.

Table with 7 columns: SYMBOL, MODEL, COOL BTUH, HEAT BTUH, VOLTS, PH, MCA, SEER

- 9 HEAT PUMP INDOOR UNIT: WALL MOUNTED, DUCT FREE UNIT WITH DRAIN PUMP, PLASMA AIR PURIFYING SYSTEM, SELF CLEANING COIL AND WIRELESS REMOTE CONTROL. UNIT SHALL BE POWERED FROM OUTDOOR UNIT. MODEL NUMBERS ARE CARRIER.

Table with 6 columns: SYMBOL, MODEL, COOL BTUH, HEAT BTUH, CFM, ESP

- 10 RANGE HOOD: BROAN MODEL 433604, DUCTED MODEL WITH WASHABLE ALUMINUM FILTERS, 2 SPEED FAN AND INTEGRAL LIGHT. 36" X 18", 120 V, 1 PH.

DIFFUSER SCHEDULE

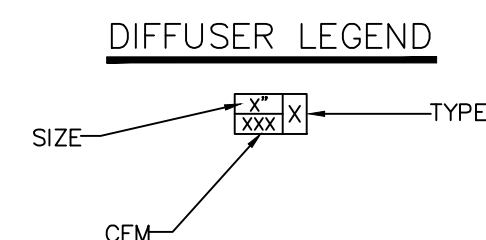
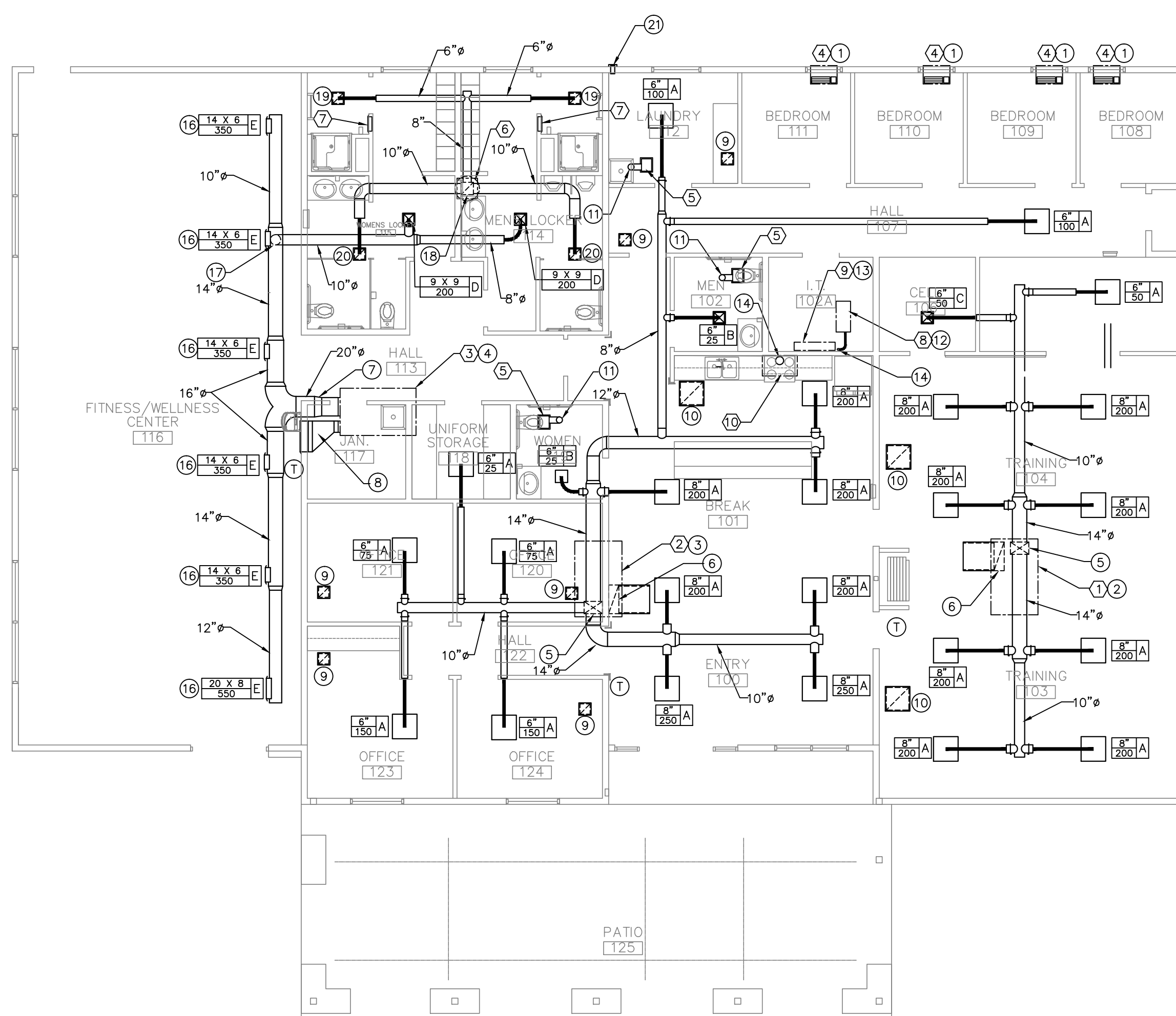
Table with 3 columns: TYPE, MAKE & MODEL, COMMENTS

OUTSIDE AIR ANALYSIS

REF: UMC, 2015, EQUATION 403.2.1

Table with 2 columns: FITNESS AREA, BEDROOM

Table with 2 columns: TRAINING, OFFICE/BREAK



MECHANICAL PLAN

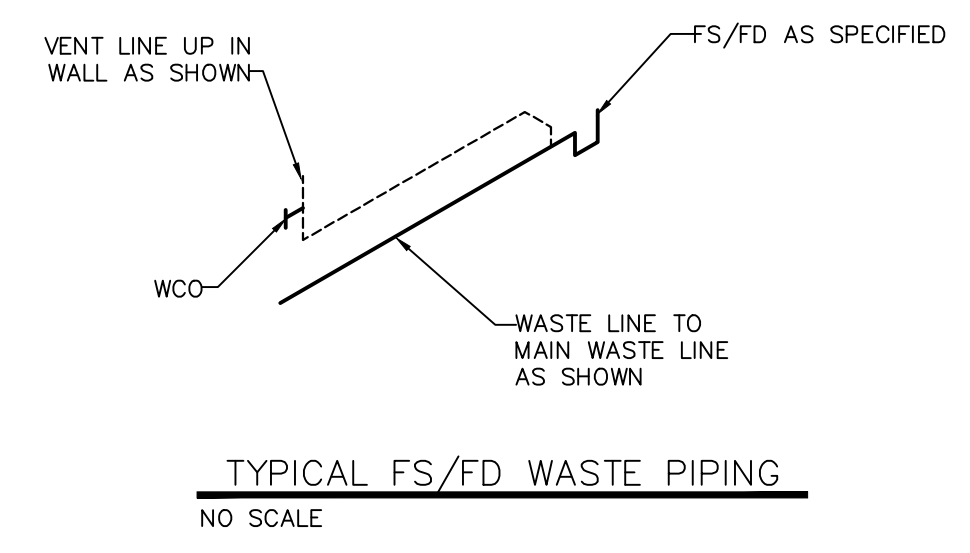
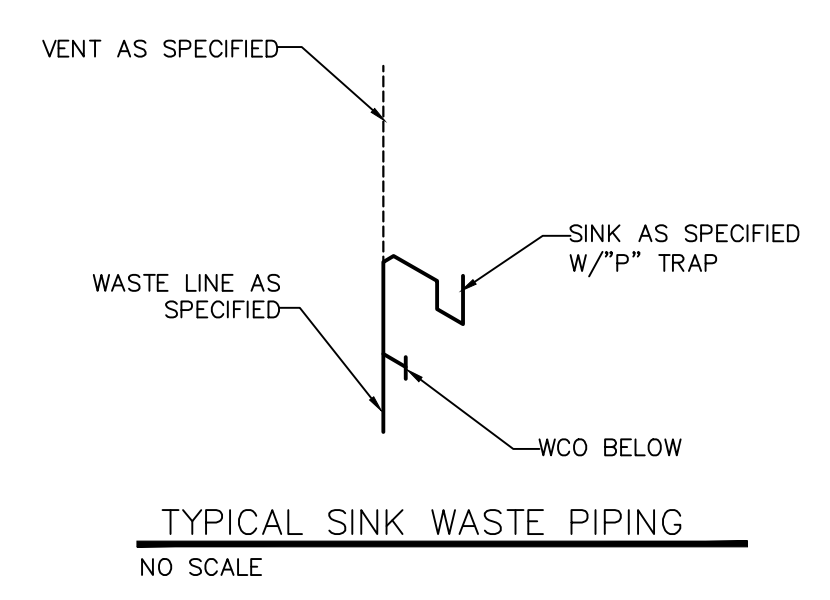
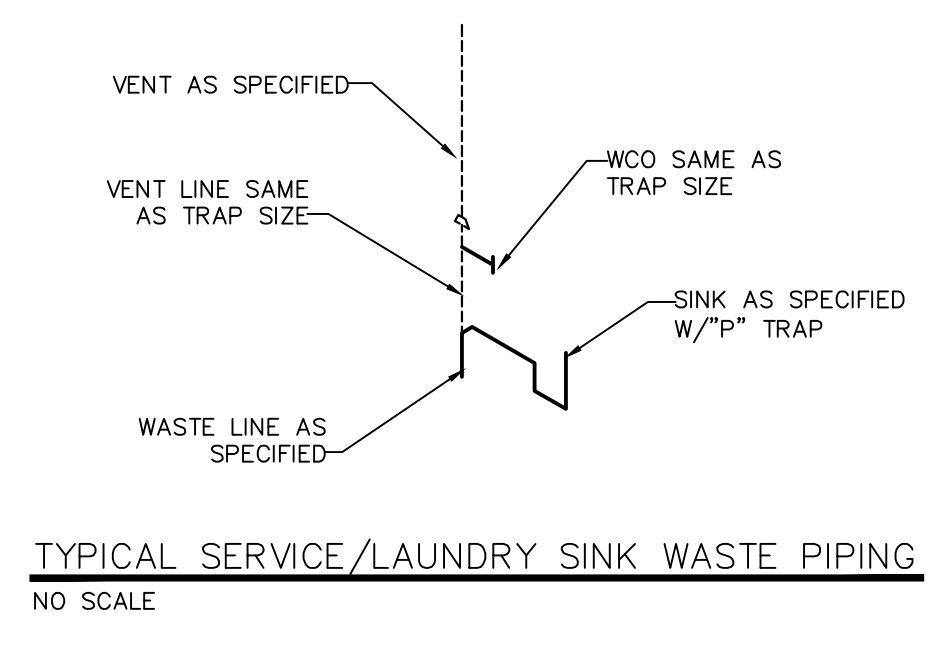
SCALE: 1/8" = 1'-0"

SPECIFIC NOTES

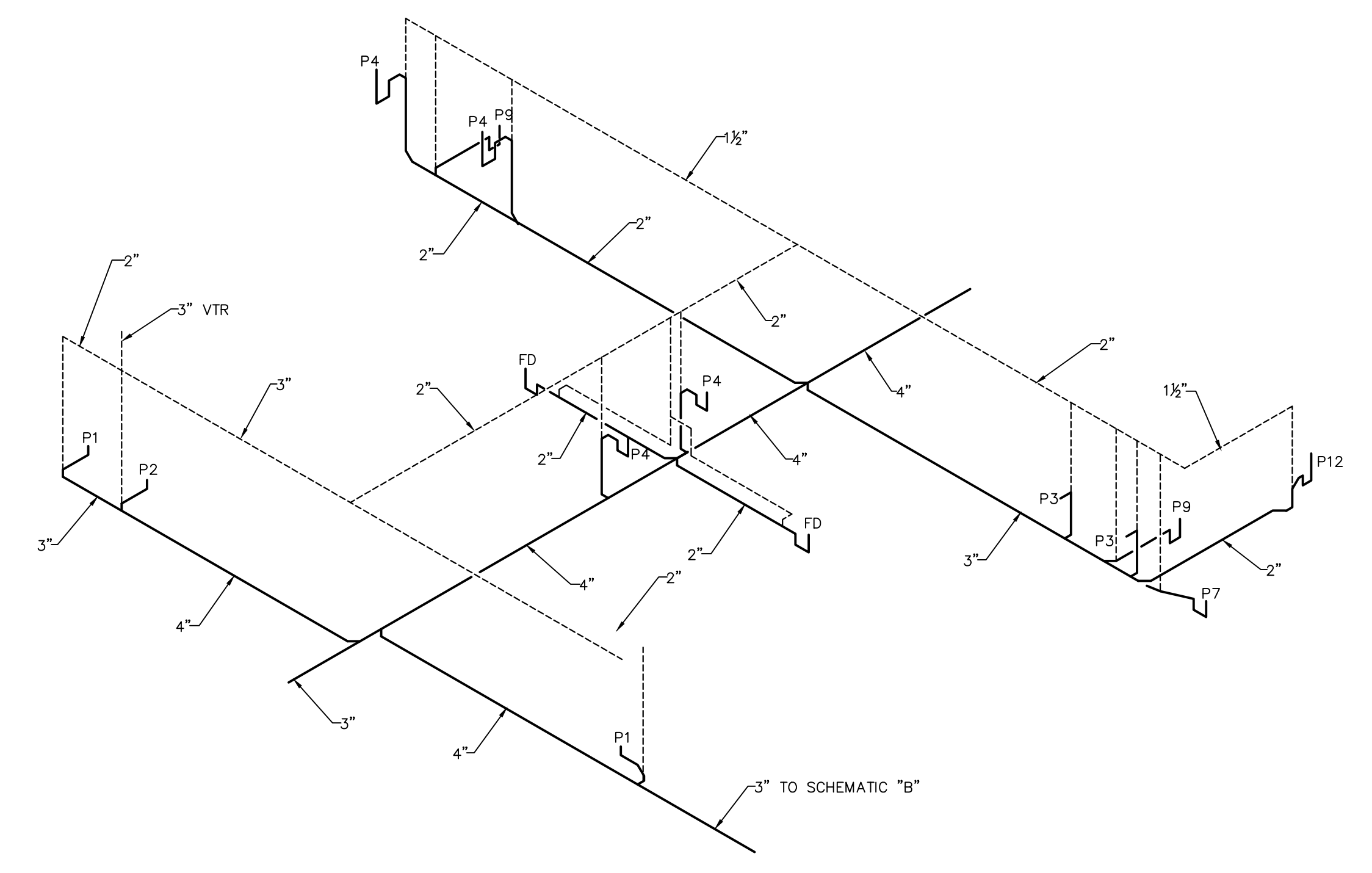
- 1 HVAC UNIT BELOW WINDOW. SET MINIMUM OUTSIDE AIR DAMPER TO 15 CFM.
2 HVAC UNIT ON ROOF. SET MINIMUM OUTSIDE AIR DAMPER TO 400 CFM.
3 HVAC UNIT ON ROOF. SET MINIMUM OUTSIDE AIR DAMPER TO 275 CFM.
4 HVAC UNIT ON ROOF ON MINIMUM 4" X 4" REDWOOD SKIDS. SET MINIMUM OUTSIDE AIR DAMPER TO 500 CFM.
5 SUPPLY AIR PLENUM FROM UNIT OUTLET CONNECTION DOWN INTO CEILING SPACE AND ROUTE DUCTWORK AS SHOWN.
6 FULL SIZE ELBOW FROM UNIT INLET CONNECTION DOWN INTO CEILING SPACE. INSTALL 1" ACOUSTIC LINER IN ELBOW.
7 TRANSITION FROM UNIT OUTLET CONNECTION TO 20" AND ROUTE THRU WALL. ROUTE DUCTWORK AS SHOWN AT BOTTOM OF ROOF STRUCTURE.
8 TRANSITION FROM UNIT INLET CONNECTION TO 36" X 24" RG IN WALL AT ROOF LEVEL.
9 12" X 12" RA WITH SOUND TRAP IN CEILING.
10 24" X 24" RA WITH SOUND TRAP IN CEILING.
11 6" DIA. EXHAUST DUCT UP THRU ROOF TO WEATHER CAP.
12 HVAC UNIT ON ROOF ON MINIMUM 4" X 4" REDWOOD SKIDS.
13 HVAC UNIT ON WALL AT CEILING LEVEL. ROUTE CONDENSATE DRAIN LINE TO OUTSIDE.
14 REFRIGERANT LINES DOWN THRU ROOF TO INDOOR UNIT AND CONNECT.
15 8" DIA. EXHAUST DUCT UP THRU ROOF TO GOOSENECK DISCHARGE WITH BIRD SCREEN.
16 MOUNT DIFFUSERS ON DUCT AT 15' BELOW HORIZONTAL.
17 10" DIA. SUPPLY AIR DUCT FROM BOTTOM OF TRUNK DUCT DOWN ALONG WALL AND INTO LOWER CEILING LEVEL.
18 PLENUM FROM EXHAUST FAN INLET DOWN INTO CEILING SPACE AND ROUTE EXHAUST DUCTS AS SHOWN.
19 12" X 12" RA1 IN CEILING. BALANCE TO 80 CFM.
20 12" X 12" RA1 IN CEILING. BALANCE TO 320 CFM.
21 4" DIA. DRYER VENT THRU WALL TO DISCHARGE HOOD.

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SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM MECHANICAL PLAN
Filename: Project: 220202 Sheet: M1
Drawn: TLW Checked: TLW Date: xx

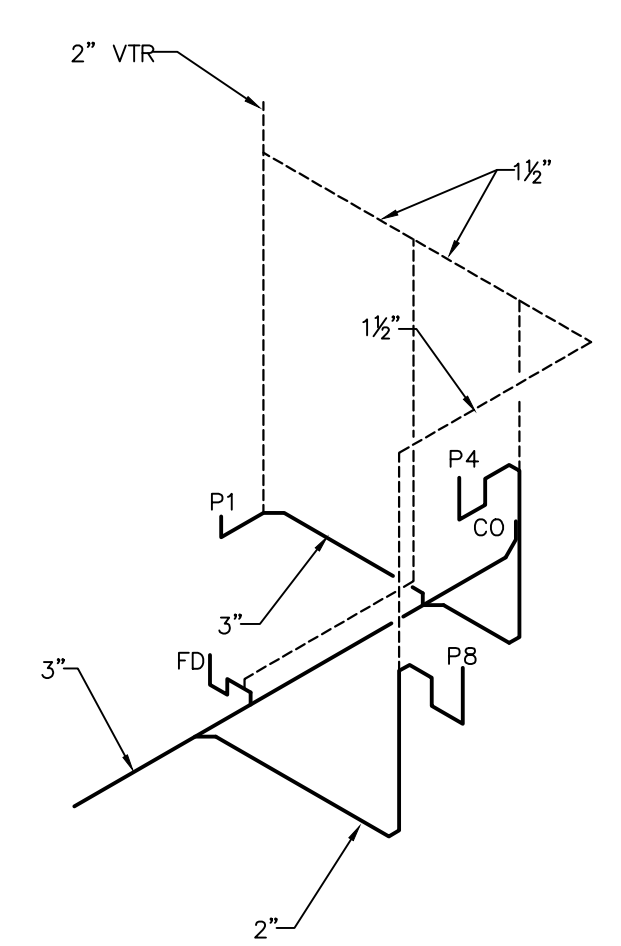




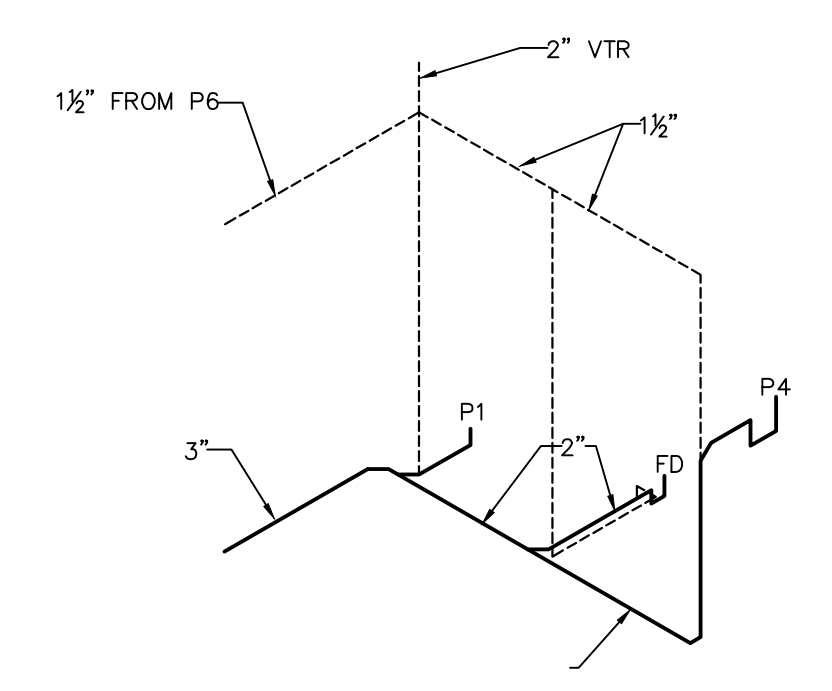
- SPECIFIC NOTES**
- ① 4" WASTE LINE TO SITE SEWER AND CONNECT. VERIFY LOCATION.
 - ② 2 WAY COTG.
 - ③ SEE WATER PIPING SCHEMATIC "A".
 - ④ SEE WASTE PIPING SCHEMATIC "B".
 - ⑤ SEE WASTE PIPING SCHEMATIC "C".
 - ⑥ 1½" WASTE LINE DOWN IN WALL TO BELOW GRADE. 1½" VENT LINE UP IN WALL TO ABOVE CEILING AND ROUTE AS SHOWN.
 - ⑦ 3" WASTE LINE DOWN IN WALL TO BELOW GRADE. 1½" VENT LINE UP IN WALL TO ABOVE CEILING AND ROUTE AS SHOWN.
 - ⑧ ROOF/OVERFLOW DRAIN. COORDINATE EXACT LOCATION WITH ROOF PLAN.
 - ⑨ 3" ROOF DRAIN LINE DOWN IN WALL TO DS AT 12" ABOVE GRADE.
 - ⑩ 3" OVERFLOW DRAIN LINE DOWN IN WALL TO DS AT 12" ABOVE GRADE.
 - ⑪ 4" ROOF DRAIN LINE DOWN IN WALL TO DS AT 12" ABOVE GRADE.
 - ⑫ 4" OVERFLOW DRAIN LINE DOWN IN WALL TO DS AT 12" ABOVE GRADE.



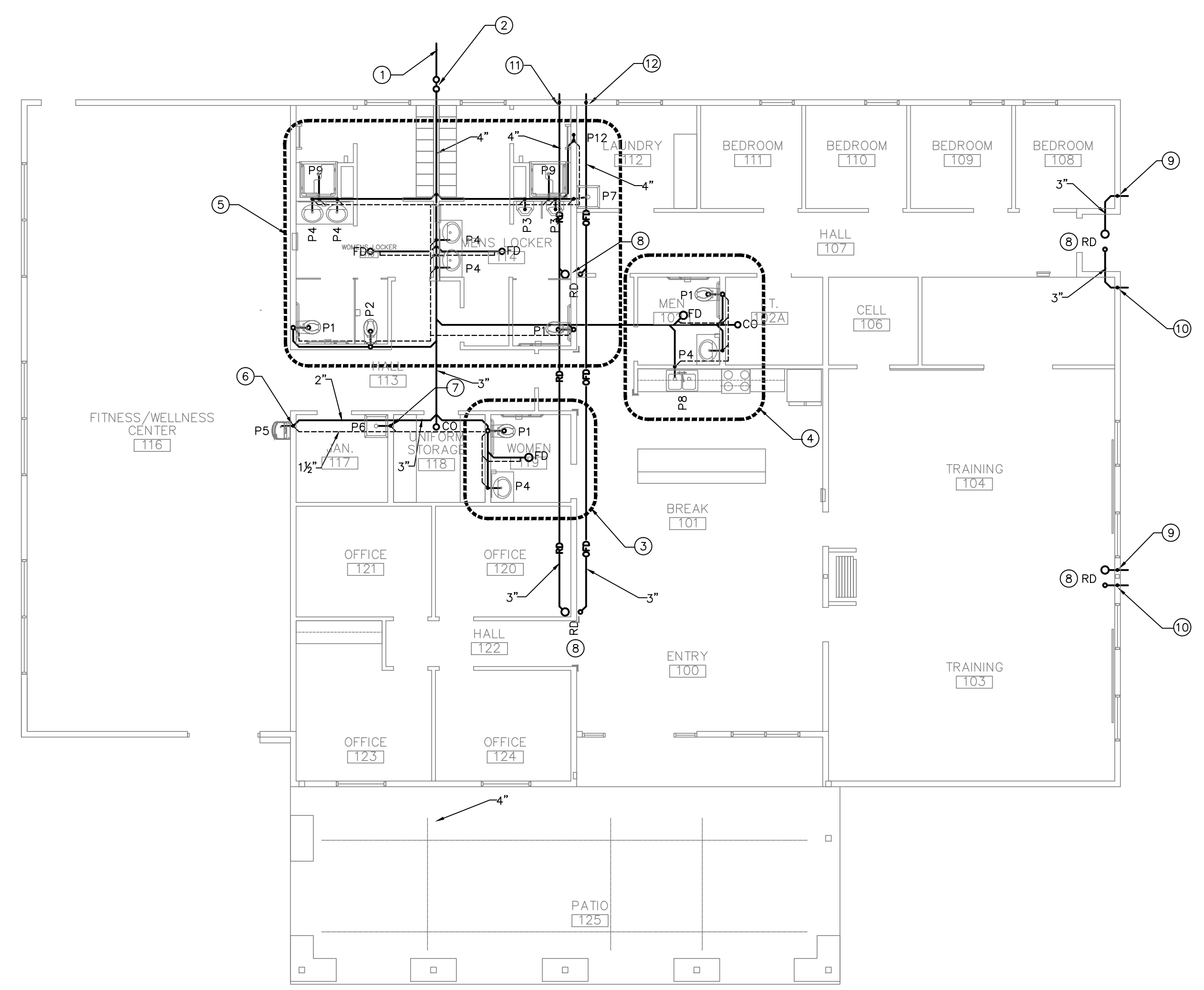
WASTE PIPING SCHEMATIC "C"
NO SCALE



WASTE PIPING SCHEMATIC "B"
NO SCALE



WASTE PIPING SCHEMATIC "A"
NO SCALE



WASTE PIPING PLAN
SCALE: 1/8" = 1'-0"

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PLUMBING REQUIREMENTS.

ALL PLUMBING WORK AND MATERIALS SHALL CONFORM WITH THE LATEST EDITION OF THE LOCAL PLUMBING CODE.

UNDERFLOOR/BELOW GRADE WASTE PIPING SHALL BE CAST IRON EXCEPT THAT PVC OR ABS PIPING MAY BE USED WHERE PERMITTED BY APPLICABLE CODES.

VENT PIPING SHALL BE CAST IRON OR STEEL EXCEPT THE PVC OR ABS PIPING MAY BE USED WHERE PERMITTED BY APPLICABLE CODES.

WATER PIPING BELOW SLAB SHALL BE TYPE "L" SOFT COPPER OR CROSSLINKED POLYETHYLENE (PEX) TUBING WITH COMPATIBLE FITTINGS.

COLD WATER PIPING ABOVE CEILING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER, MAX. K = .27 BTUH/INCH/HR X SQ. FT. X DEG. F.

ALL WATER PIPING ABOVE GRADE SHALL BE TYPE "M" HARD COPPER OR CROSSLINKED POLYETHYLENE (PEX) TUBING WITH COMPATIBLE FITTINGS.

ALL HOT WATER PIPING 2" DIA. OR LESS SHALL HAVE MINIMUM R=4 INSULATION. HOT WATER PIPING GREATER THE 2" DIA. SHALL HAVE MINIMUM R=6 INSULATION.

INSTALL SHUT-OFF GATE VALVE AND UNIT TO ALL EQUIPMENT SUPPLY LINES.

VERIFY METERING AND SERVICE CONNECTIONS WITH LOCAL UTILITY COMPANIES.

PITCH ALL DRAINS 1/4" PER FOOT WHERE POSSIBLE.

ALL PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

ALL ELEVATIONS SHALL BE VERIFIED AT THE JOB SITE.

PLUMBING CONTRACTOR SHALL PAY ALL FEES, PERMITS AND CHARGES IN CONNECTION WITH THIS WORK.

THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS AND ROUGH-IN REQUIREMENTS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL SUPPLY FOR APPROVAL, SIX COPIES OF SHOP DRAWINGS AND/OR MANUFACTURER'S DESCRIPTIVE DATA OF A NATURE TO COMPLETELY IDENTIFY THE MATERIAL OR EQUIPMENT TO BE INSTALLED.

ALL WATER PIPING SHALL BE RUN ON THE HEATED SIDE OF BUILDING INSULATION.

KITCHEN AND LAUNDRY EQUIPMENT SHALL BE INSTALLED BY THE GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL ROUGH-IN AND MAKE THE FINAL CONNECTIONS TO THIS EQUIPMENT.

THE WATER HEATER SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE-THIRD AND LOWER ONE-THIRD OF ITS VERTICAL DIMENSIONS. AT THE POWER POINT, A DISTANCE OF NOT LESS THAN FOUR INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.

FOR THE PURPOSE OF ISOLATION AND SAFETY, AN ADDITIONAL FULL BORE GAS SHUT-OFF SHALL BE INSTALLED DOWNSTREAM OF THE SERVING SUPPLIER GAS METER AND PRIOR TO ANY DISTRIBUTION OF GAS INTO THE GAS PIPING SYSTEM, INCLUDING NEW AND REPIPED SYSTEMS. ALL GAS PIPING SHALL BE SUPPORTED AND ANCHORED IN ACCORDANCE WITH 2015 UPC, SECTION 1210.2.4 AND TABLE 1210.2.4.1

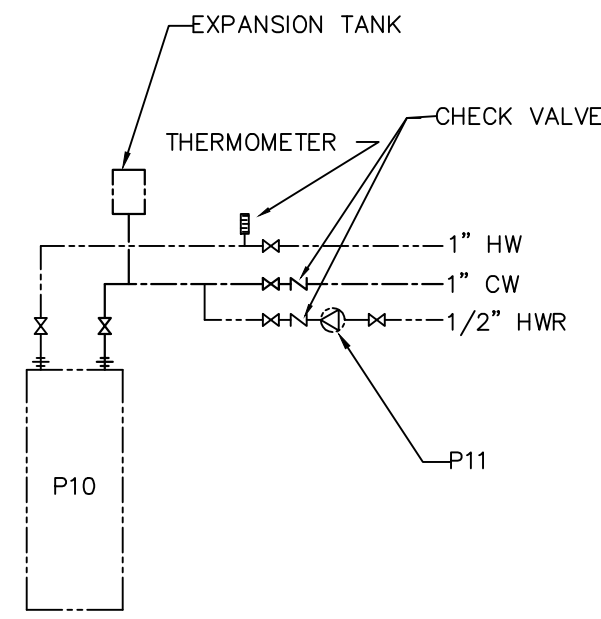
PIPING SHALL BE SUPPORTED/ANCHORED IN ACCORDANCE WITH UPC 2015, SECTION 313.6 AND TABLE 313.6.

ROOF DRAIN LINES SHALL BE SLOPED A MINIMUM OF 1/4"/FT. AND SHALL BE INSULATED IN ACCORDANCE WITH THE REQUIREMENTS FOR CW PIPING IN CEILING SPACE.

FIXTURE SCHEDULE

- P1 WATER CLOSET: AMERICAN STANDARD NO. 3461.128, VITREOUS CHINA, 16.5" RIM HEIGHT, FLOOR MOUNTED, ELONGATED BOWL, 1.28 GALLON FLUSH WITH SLOAN ROYAL #111-1.2 FLUSH VALVE AND OPEN FRONT PLASTIC SEAT. 3" WASTE, 2" MINIMUM VENT, 1" CW.
 - P2 WATER CLOSET: AMERICAN STANDARD NO. 3451.128, VITREOUS CHINA, 15" RIM HEIGHT, FLOOR MOUNTED, ELONGATED BOWL, 1.28 GALLON FLUSH WITH SLOAN ROYAL #111-1.2 FLUSH VALVE AND OPEN FRONT PLASTIC SEAT. 3" WASTE, 2" MINIMUM VENT, 1" CW.
 - P3 URINAL: AMERICAN STANDARD NO. 6501.010, VITREOUS CHINA, WALL MOUNTED WITH SLOAN ROYAL 186-1 FLUSH VALVE. SEE ELEVATIONS FOR MOUNTING HEIGHT. 2" WASTE, 1 1/2" VENT, 3/4" CW.
 - P4 LAVATORY: AMERICAN STANDARD NO. 0475.020, VITREOUS CHINA, SELF RIMMING WITH NO. 5401.172 FAUCET AND WATTS MODEL LFUSG-B MIXING VALVE SET TO 110 DEG. F. MAX. INSULATE HW AND WASTE PER ADA STANDARDS. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
 - P5 ELECTRIC WATER COOLER: ELKAY MODEL EZSDWSLK, WALL MOUNTED, BARRIER FREE WITH FRONT PUSH BAR AND BOTTLE FILLER. 115 V, 1 PH, 4.8 FLA, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW.
 - P6 SERVICE SINK: FIAT MODEL MSB-2424, MOLDED STONE WITH INTEGRAL OUTLET STRAINER AND #850-AA WALL MOUNTED FAUCET. 3" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
 - P7 LAUNDRY SINK: FIAT MODEL FL7, MOLDED STONE, FLOOR MOUNTED WITH BAKED ENAMELED LEGS WITH ADJUSTABLE, LEVELING FEET AND A1 DECK MOUNTED FAUCET. 2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
 - P8 SINK: JUST MODEL DL-2233-A-GR, STAINLESS STEEL, SELF RIMMING WITH J-1174-KS FAUCET AND JB-99 OUTLET STRAINER. PROVIDE SINK WITH 1/2 HP GARBAGE DISPOSAL. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
 - P9 SHOWER: LASCO MODEL 1363-BFS, ADA APPROVED, REINFORCE FIBERGLASS CONSTRUCTION WITH GELCOAT FINISH, FOLD-UP SEAT, GRAB BARS, SOAP DISH, OUTLET STRAINER, SHOWER CURTAIN ROD AND SYMMONS MODEL 96-500X-B30-L-V SHOWER UNIT. 2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
 - P10 WATER HEATER: AO SMITH MODEL GPDH-50L, 50 GALLON STORAGE CAPACITY, NATURAL GAS FIRED, 65,000 BTUH INPUT, CLOSED COMBUSTION, ORIFICED FOR 5000' ELEVATION, .58 ENERGY FACTOR, HEAT TRAP, ADJUSTABLE TEMPERATURE CONTROL, CONCENTRIC FLUE TERMINATION UNIT AND T & P RELIEF VALVE. 3/4" CW, 3/4" HW.
 - P11 CIRCULATING PUMP: TACO MODEL 003, BRONZE CONSTRUCTION WITH AQUASTAT CONTROLS IN ACCORDANCE WITH 2018 IECC, C404.7. 120 V, 1 PH, 1/60 HP.
 - P12 WASHER CONNECTION: GUY GRAY MODEL TT200 WITH WALL FLANGE AND 1/4 TURN SHUT-OFF VALVES. 2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
- HB HOSE BIB: WOODFORD MODEL 65, FREEZE PROOF WITH VACUUM BREAKER.
 FD FLOOR DRAIN: ZURN MODEL Z-415 WITH "TRAP GUARD".
 RD ROOF DRAIN: UNI-FLEX ROOF DRAIN WITH OVERFLOW. SIDE OUTLET. COORDINATE WITH ROOFING TYPE.
 DS DISCHARGE SPOUT: ZURN MODEL Z-199.

NOTE: ALL FIXTURES SHALL BE APPROVED BY THE OWNER PRIOR TO SUBMITTING BID OR BEGINNING CONSTRUCTION.

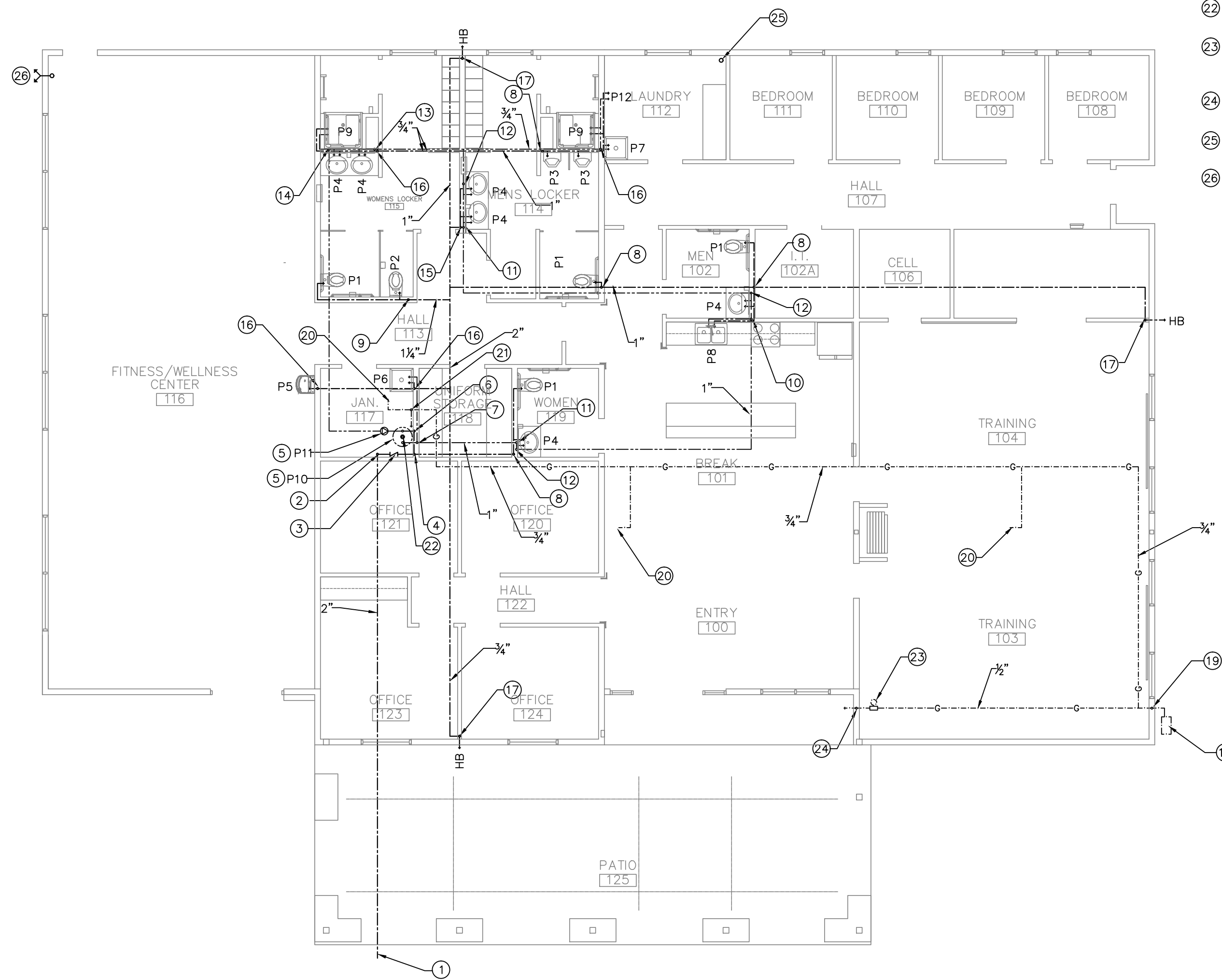


WATER HEATER INSTALLATION DETAIL

NO SCALE

SPECIFIC NOTES

- 1 2" CW TO EXISTING WATER METER AND CONNECT. VERIFY LOCATION.
- 2 2" CW UP FROM BELOW GRADE WITH SHUT-OFF VALVE AT 6" AFF.
- 3 REDUCED PRESSURE BACKFLOW PREVENTER, WATTS SERIES 009. ROUTE DRAIN LINE TO P8.
- 4 1" CW DOWN IN WALL, ROUTE TO FIXTURES AS SHOWN AND CONNECT.
- 5 SEE WATER HEATER INSTALLATION DETAIL.
- 6 1" CW UP IN WALL TO WATER HEATER.
- 7 1" HW INTO WALL. DROP 1/2" HW DOWN IN WALL, ROUTE TO FIXTURE AND CONNECT. ROUTE 1" HW IN CEILING SPACE AS SHOWN.
- 8 1" CW DOWN IN WALL, ROUTE TO FIXTURES AS SHOWN AND CONNECT.
- 9 1 1/2" CW DOWN IN WALL, ROUTE TO FIXTURES AS SHOWN AND CONNECT.
- 10 1/2" CW DOWN IN WALL TO FIXTURE AND CONNECT.
- 11 1" HW DOWN IN WALL TO FIXTURE CONNECTION LEVEL.
- 12 1" HW UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- 13 3/4" HW DOWN IN WALL TO FIXTURE CONNECTION LEVEL.
- 14 3/4" HW UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- 15 1/2" CW DOWN IN WALL, ROUTE TO FIXTURES AS SHOWN AND CONNECT.
- 16 3/4" CW DOWN IN WALL, ROUTE TO FIXTURES AS SHOWN AND CONNECT.
- 17 3/4" CW DOWN IN WALL TO HB AT 24" ABOVE GRADE.
- 18 GAS METER AND PRESSURE REGULATOR. SIZE METER FOR A TOTAL CONNECTED LOAD OF 435,000 BTUH WITH A MINIMUM OUTLET PRESSURE OF 2 PSI. VERIFY CAPACITY AND PRESSURE AVAILABILITY PRIOR TO SUBMITTING BID.
- 19 3/4" GAS LINE UP IN WALL TO ABOVE ROOF AND ROUTE AS SHOWN.
- 20 GAS LINE TO HVAC UNIT WITH SHUT-OFF VALVE, PRESSURE REGULATOR, SEDIMENT TRAP AND FLEX CONNECTION.
- 21 1/2" GAS LINE DOWN THRU ROOF TO WATER HEATER WITH SHUT-OFF VALVE, PRESSURE REGULATOR, SEDIMENT TRAP AND FLEX CONNECTION. VENT PRESSURE REGULATOR TO OUTSIDE IF REQUIRED.
- 22 3" PVC FLUE AND 3" PVC COMBUSTION AIR UP TO CONCENTRIC TERMINATION UNIT SUPPLIED BY MANUFACTURER.
- 23 GAS PRESSURE REDUCING VALVE IN CEILING SPACE WITH SHUT-OFF VALVE. SIZE UNIT FOR A TOTAL CONNECTED LOAD OF 60,000 BTUH WITH A MINIMUM OUTLET PRESSURE OF 7" W.C. VENT PRESSURE REGULATOR TO OUTSIDE.
- 24 3/4" GAS LINE DOWN IN WALL AND STUB-OUT AT 24" ABOVE GRADE WITH SHUT-OFF VALVE. INSTALL SEDIMENT TRAP AT BOTTOM OF DROP.
- 25 FIRE SPRINKLER RISER LOCATION FOR REFERENCE. COORDINATE WITH FIRE SPRINKLER CONTRACTOR AND OWNER.
- 26 FIRE DEPARTMENT CONNECTION FOR REFERENCE. COORDINATE WITH FIRE SPRINKLER CONTRACTOR AND OWNER.



WATER & GAS PIPING PLAN

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

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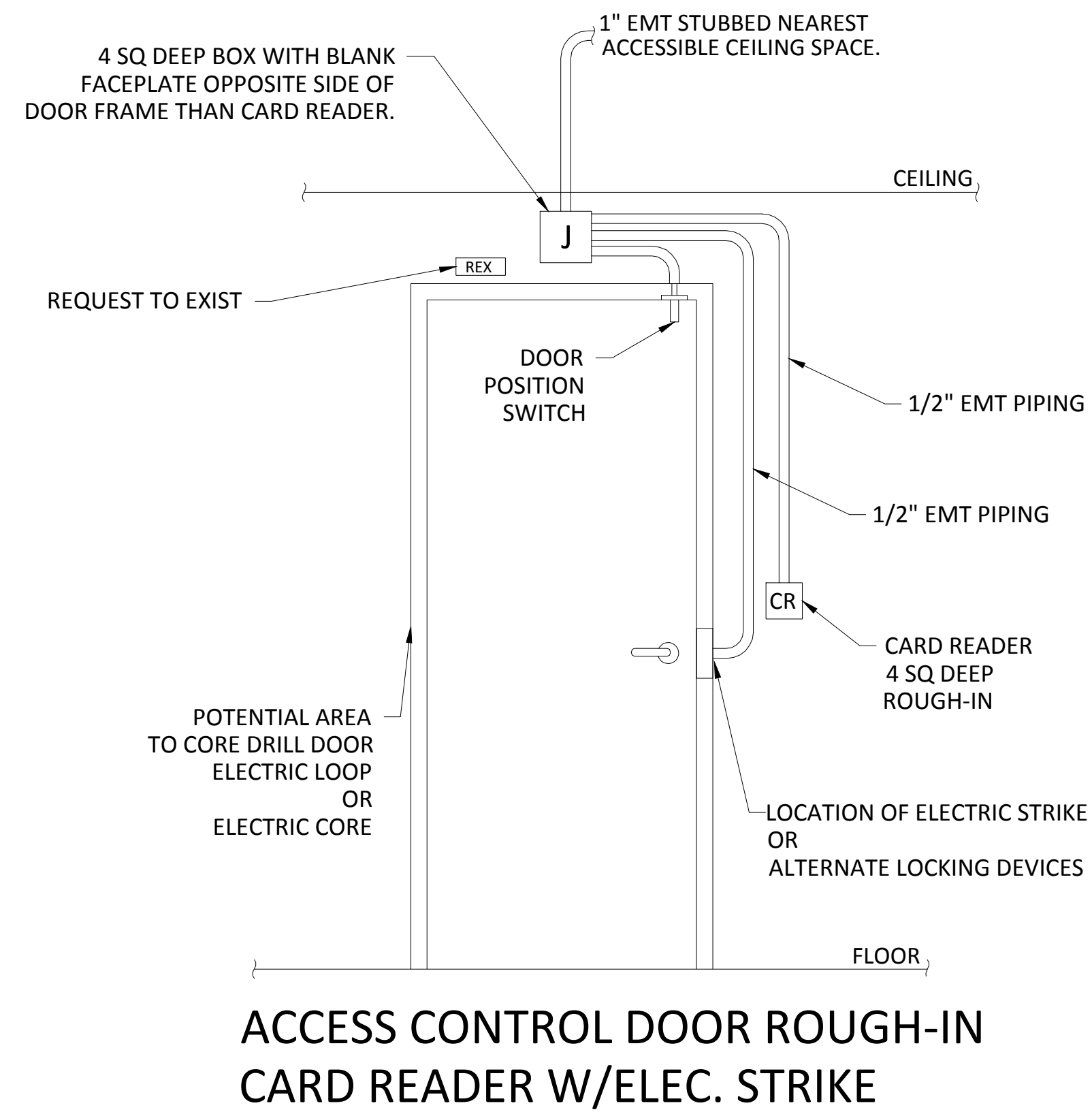
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM		Filename:
WATER & GAS PIPING PLAN		Project: 220202
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		Sheet: P2

GENERAL NOTES

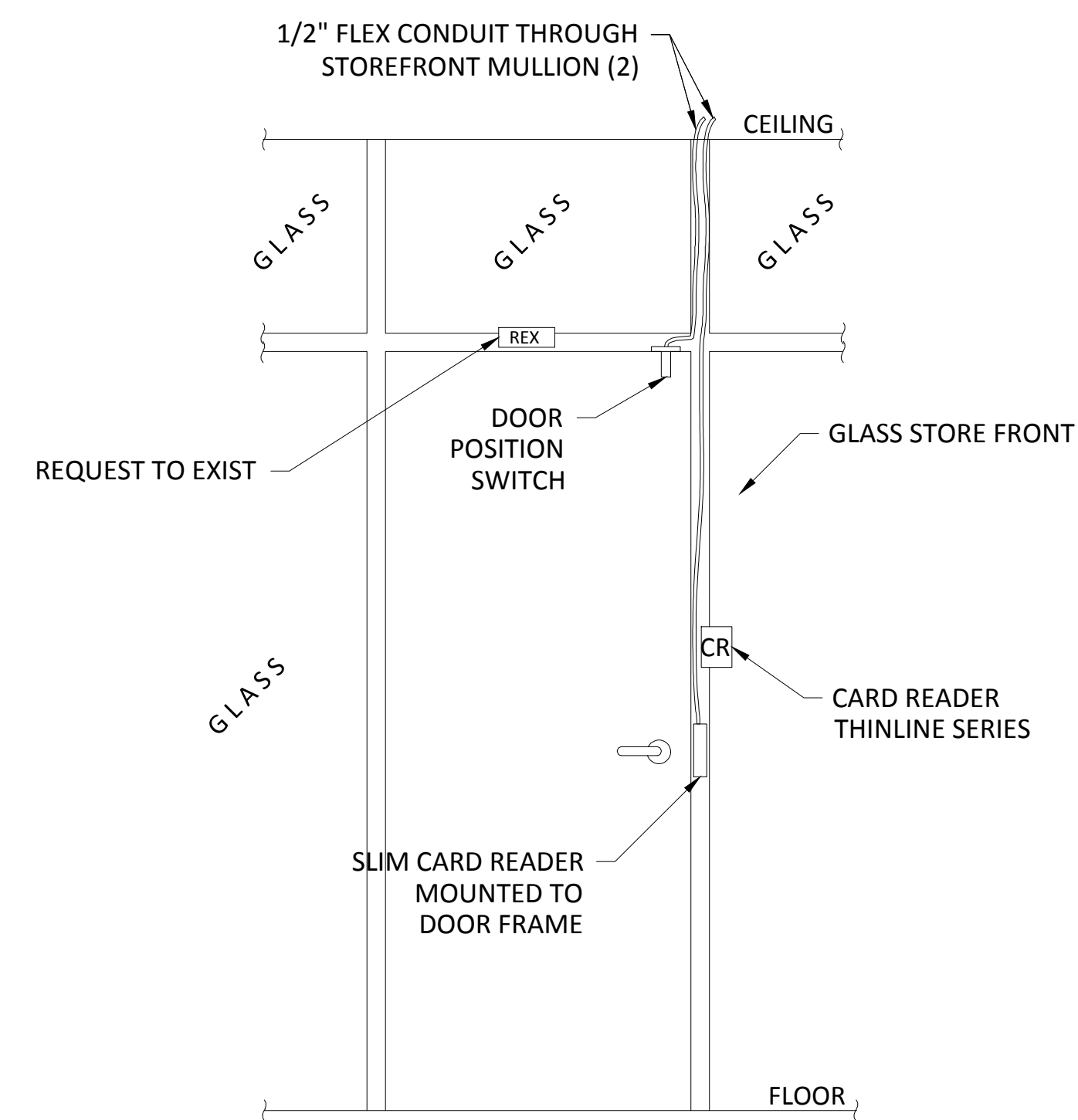
- A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.
- B. ALL GENERAL POWER BRANCH CIRCUITS WILL BE SIZED 1/2" C, 2-#12, 1-#12 GRND MINIMUM. NOTE: PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT HOMERUN.

KEYNOTES

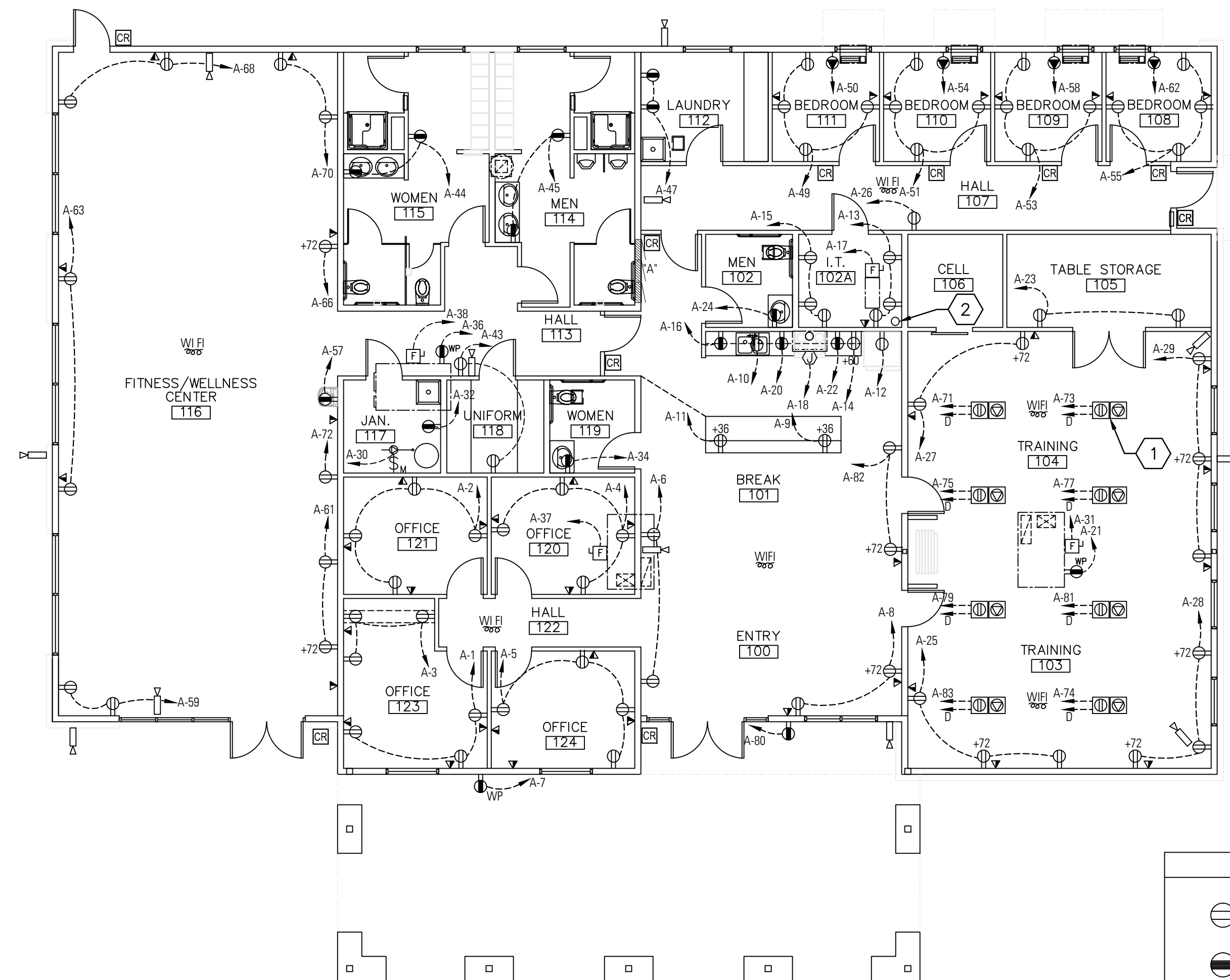
- 1 TYPICAL - COORDINATE LOCATION OF INFLOOR POWER/DATA WITH OWNER PRIOR TO RUFF-IN.
- 2 INSTALL 2-4" PVC CONDUITS FROM THE IT ROOM, UNDERGROUND TO EXISTING BUILDING WALL. EXTEND UP WALL WITH RIGID CONDUIT RISERS TO A SUITABLE SIZED NEMA 3R/12 STEEL ENCLOSURE AT 24" AFF, AND THROUGH WALL INTO ROOM. PROVIDE PULL STRING FOR FUTURE FIBERS (EACH RUN IS APPROX. 100').



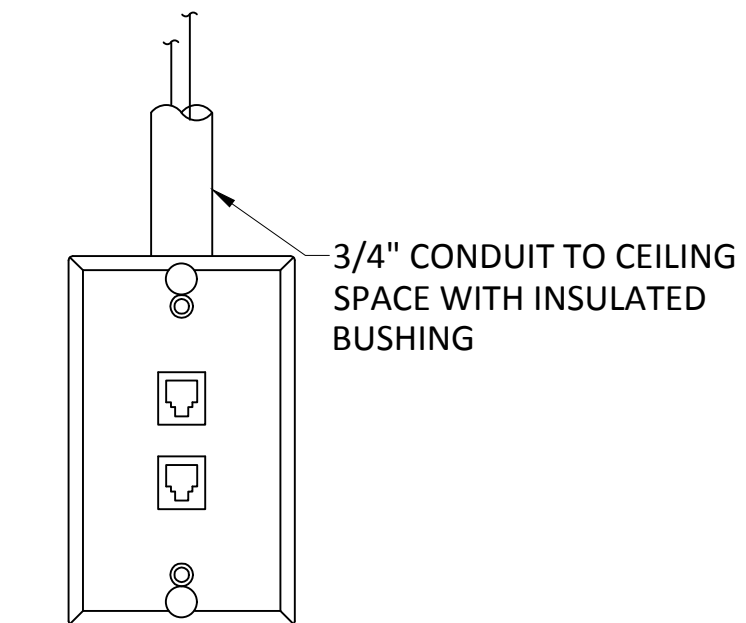
**ACCESS CONTROL DOOR ROUGH-IN
CARD READER W/ELEC. STRIKE**



**ACCESS CONTROL DOOR ROUGH-IN
STOREFRONT CARD READER**



POWER/SPECIAL SYS PLAN
SCALE: 1/8"=1'-0"



WALL MOUNTED DETAIL

ELECTRICAL SYMBOLS LEGEND - POWER	
DESCRIPTION	
	DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, 125 VAC, 1Ø, 3 WIRE, GROUNDING TYPE, ABOVE COUNTER MOUNTING (CTR), TVSS TYPE (T), MOUNTED +18" AFF. (STANDARD)
	DUPLEX RECEPTACLE, GFI TYPE, NEMA 5-20R, 20 AMP, 125 VAC, 1Ø, 3 WIRE, GROUNDING TYPE, WP WHEN NOTED, MTD +18" AFF. (STD) TO CEILING PLENUM, HUBBELL GF20IL.
	HEAT PUMP RECEPTACLE, NEMA 6-20R.
	SAFETY DISCONNECT SWITCH (FUSED).
	ENCLOSED SAFETY DISCONNECT TOGGLE SWITCH, MOTOR RATED, 120V.
	DATA OUTLET WITH 3/4" CONDUIT TO CEILING PLENUM. PROVIDE CAT 6E CABLE TO IT ROOM WITH 10' COILED FOR TERMINATION.
	INFLOOR POWER/DATA COMBINATION BOX, 3/4" CONDUIT FOR DATA OUTLET TO CEILING PLENUM. POWER CIRCUIT TO PANELBOARD A, [3/4"C, 2-#12, 1-#12 GRND].
	CARD READER, SEE DETAILS ON THIS SHEET.
	WiFi HOT SPOT LOCATION, EXTEND CAT 6E CABLE FROM THIS LOCATION TO IT ROOM WITH 10' COILED FOR TERMINATION.
	CAMERA LOCATION, PROVIDE CAT 6E CABLE FROM THIS LOCATION TO IT ROOM WITH 10' COILED FOR TERMINATION. FOR EXTERIOR LOCATIONS, PROVIDE SINGLE GANG BOX AT 13" AFF WITH CONDUIT THRU WALL.



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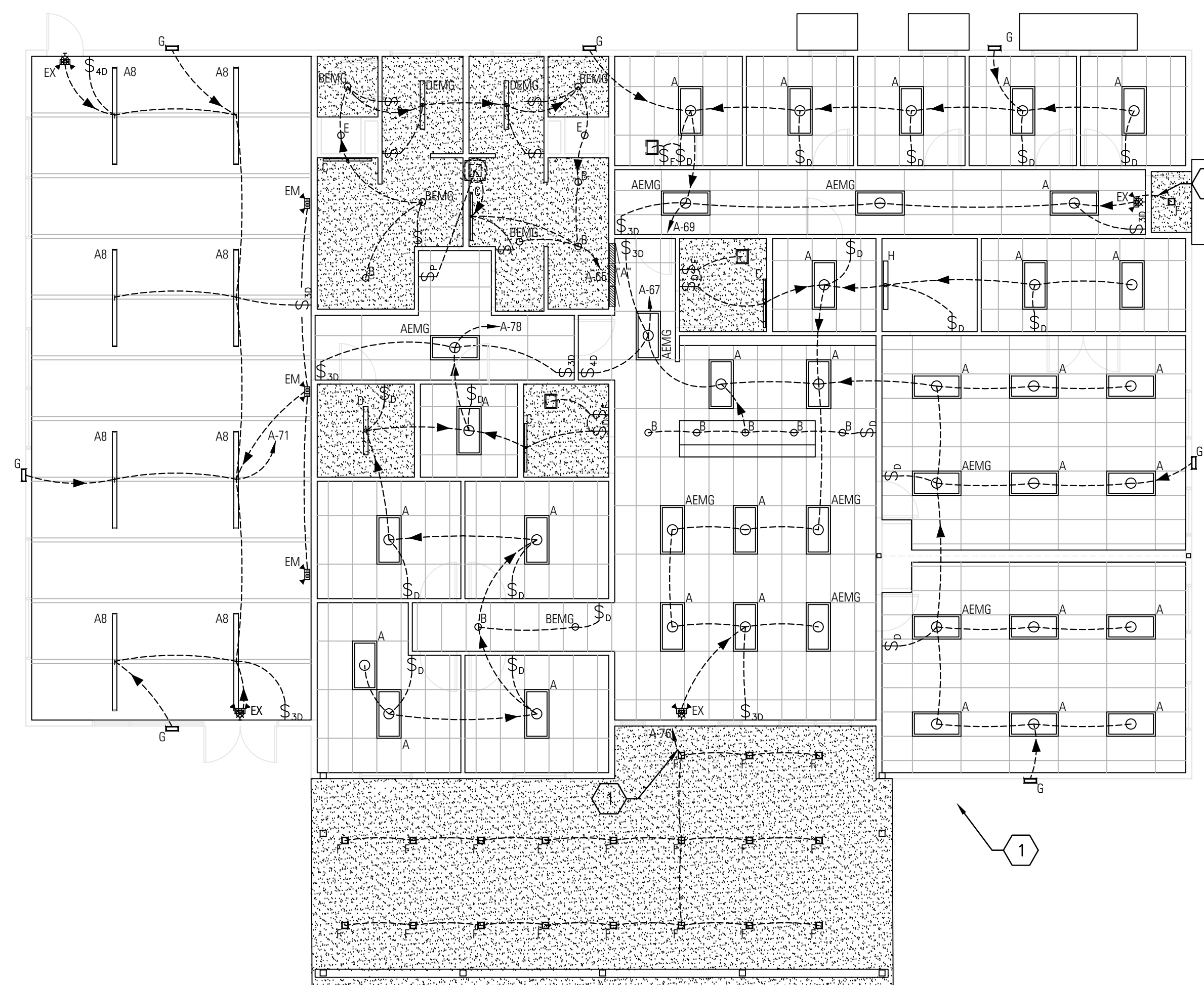
SJC DETENTION CENTER TRAINING AND WELLNESS FACILITY FARMINGTON, NM	Filename: Project: 220202 Sheet: E1
Drawn: DV	Checked: DV
Date: 9-19-22	

GENERAL NOTES

- A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.
- B. ALL GENERAL POWER BRANCH CIRCUITS WILL BE SIZED 1/2" C, 2-#12, 1-#12 GRND MINIMUM. NOTE: PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT HOMERUN.

KEYNOTES

- 1 PROVIDE PHOTOCELL FOR LIGHTING CIRCUIT.



LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPS	MOUNTING
A	2X4 LED FIXTURE	COLUMBIA	LCAT24-40HLG-EDU	LED 44W	RECESSED/CEILING
AEMG	2X4 LED FIXTURE	COLUMBIA	LCAT24-40HLG-EDU-FLL14	LED 44W	RECESSED/CEILING
B	DOWNLIGHT, LED	PRESCOLITE	LF6LEDG4 6LFLED6440K-B24	LED 4000K, 19.1W	RECESSED/CEILING
BEMG	DOWNLIGHT, LED	PRESCOLITE	LF6LEDG4 6LFLED6440KEM-B24	LED 4000K, 19.1W	RECESSED/CEILING
C	WALL RESTR LED LIGHT	KICHLER	TOR 37 1/4" #16V03	LED 23W	SURFACE/WALL
D	1X4 STRIPLIGHT	COLUMBIA	LCL4-40ML-FU-GLR	LED 4000K 42W	SURFACE/CEILING
DEM	1X4 STRIPLIGHT	COLUMBIA	LCL4-40ML-FU-GLR-ELL14	LED 4000K 42W	SURFACE/CEILING
E	LED SHOWER LIGHT	KICHLER	43855WHLED30T	LED 3000K 12.5W	RECESSED/CEILING
XEM	EXIT/EMERG COMBO, LED	DUAL LITE	LT-U-R-W	(2) 5W HALOGEN	SURFACE/WALL
EM	EMERGENCY UNIT	DUAL LITE	EV-2	LED 2-1W HEADS	SURFACE/WALL
AB	1X8 LED FIXTURE	ELITE LIGHTING	8-OC1-LED-8000L-DIM10-MVOLT-40K-85	LED 4000K, 74W	SURFACE/CEILING
F	DOWN LIGHT LED SQUARE	LOTUS LED LGT	LSG3-40K-5SSL-WH	LED 4000K, 7.5W	RECESSED/CEILING
G	LED WALL PACK	HUBBELL	SG1-20-4K7-FT-PCU	LED 4000K, 21W	SURFACE/WALL
H	LED CORNER FIXTURE	KENALL	CC-4-3/1-55C-32K8-DCC-DV-SYM-2-LEL-FS	LED 3200K, 61W	SURFACE/CORNER

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

ELECTRICAL SYMBOLS LEGEND-LIGHTING	
SYMBOL	DESCRIPTION
\$	SINGLE POLE TOGGLE SWITCH, 20 AMP, 120/277 VAC, MOUNTED +48" AFF. HUBBELL #1221-1 OR EQUIVALENT. "P" DESIGNATES PILOT LIGHT OPERATED & "D" DESIGNATES DIMMER SWITCH.
\$3	3-WAY TOGGLE SWITCH, 20 AMP, 120/277 VAC, MOUNTED +48" AFF. HUBBELL #1223-1 OR EQUIVALENT.



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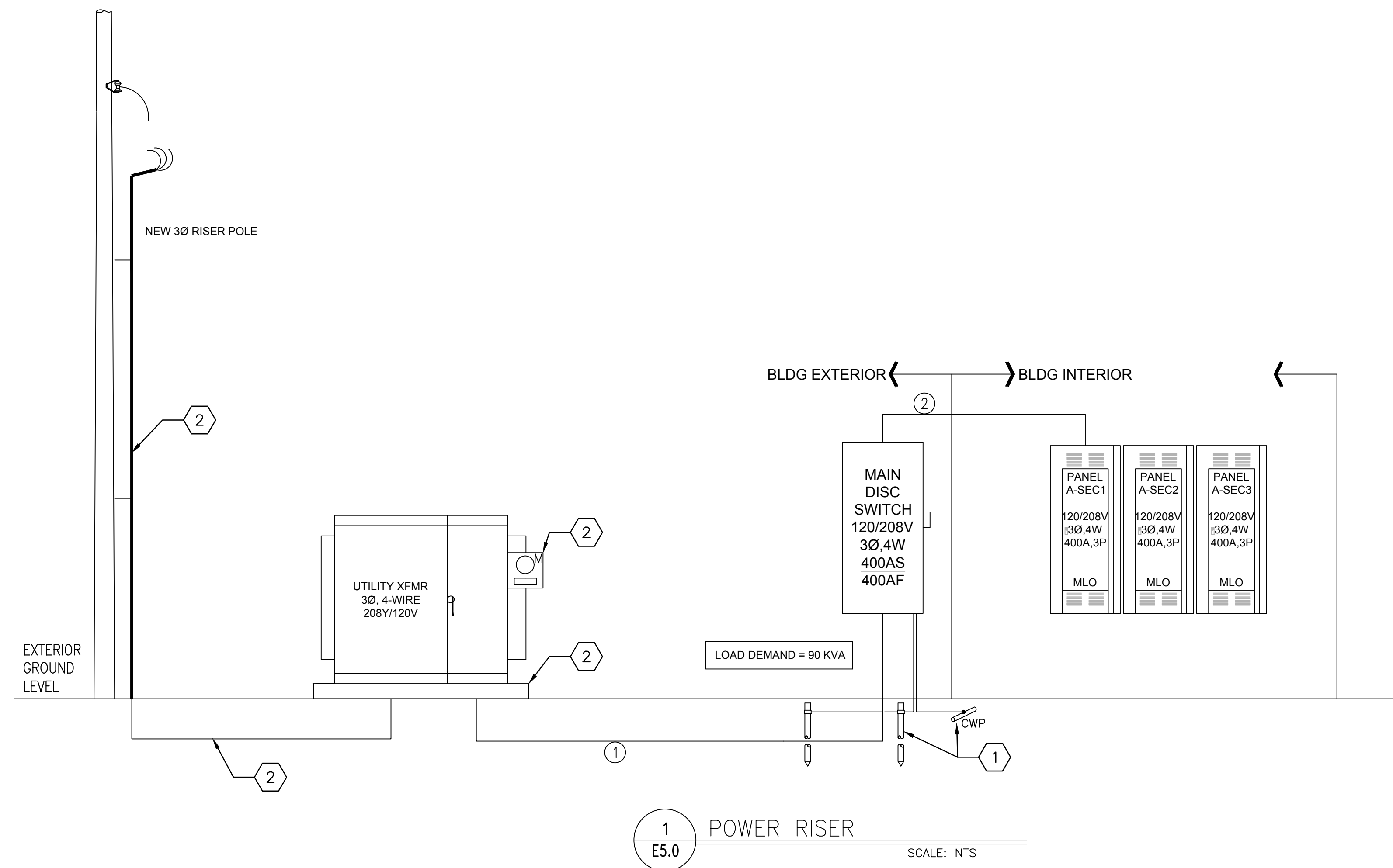
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REFLECTED CEILING PLAN		Project: 220202
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		Sheet: E2

GENERAL NOTES

A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.

KEYNOTES

- ① GROUNDING ASSEMBLY - TWO 3/4"x10' GROUND RODS SPACED 10' APART AND INTERCONNECTED TO THE MAIN DISCONNECT SWITCH GROUND BUS WITH #1/0 CU. CONNECT #1/0 CU TO UFER.
- ② COORDINATE WITH THE ELECTRIC UTILITY THE LOCATION OF THE NEW 3Ø RISER POLE AND TRANSFORMER LOCATION. INSTALL (IF REQUIRED BY UTILITY) THE 3Ø RISER ASSEMBLY, UNDERGROUND CONDUIT, TRANSFORMER PAD, AND METER PER THE MOST RECENT UTILITY CONSTRUCTION STANDARDS AS REQUIRED.



WIRE & CONDUIT SCHEDULE		CU/AL
①	2 EACH [2" C, 4-#3/0]	CU THHN/THWN
②	2 EACH [2" C, 4-#3/0, 1-#2 GRND]	CU THHN/THWN



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POWER RISER		220202 E3
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DC AMPS P		NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
20 1			OFFICE 123 WORK STA	OFF EQ	1100	1	2200			2	1100	OFF EQ	OFFICE 121 WORK STA		20 1
20 1			OFFICE 123 WORK STA	OFF EQ	1100	3		2200		4	1100	OFF EQ	OFFICE 120 WORK STA		20 1
20 1			OFFICE 124 WORK STA	OFF EQ	1100	5			1452	6	360	REC	ENTRY 100 GEN PWR		20 1
20 1			BLDG EXTERIOR PWR	REC	180	7		540		8	360	REC	ENTRY 100 GEN PWR		20 1
20 1			BREAK 101 GEN PWR	REC	180	9		1759		10	1588	MOTOR L	BREAK 101 GARBAGE DI		20 1
20 1			BREAK 101 GEN PWR	REC	180	11			1072	12	900	HEAT	BREAK 101 APPLIANCE		20 1
20 1			IT 102A GEN PWR	REC	540	13		1721		14	1200	HEAT	BREAK 101 MICROWAVE		20 1
20 1			IT 102A GEN PWR	REC	540	15			1423	16	900	HEAT	BREAK 101 APPLIANCE		20 1
20 2			HEAT PUMP OUTDOOR UN	MOTOR L	3120	17			1954	18	400	GEN	BREAK 101 HODD		20 1
20 1			HVAC ROOF MAINT	REC	180	21		2343		20	900	HEAT	BREAK 101 APPLIANCE		20 1
20 1			TABLE STD 105 PWR	REC	360	23			1072	22	900	HEAT	BREAK 101 APPLIANCE		20 1
20 1			TRAINING 104 GEN PWR	OFF EQ	800	25		976		24	180	REC	MEN 102 GEN PWR		20 1
20 1			TRAINING 104 GEN PWR	OFF EQ	800	27			1600	28	800	OFF EQ	TRAINING 104 GEN PWR		20 1
20 1			TRAINING 104 GEN PWR	OFF EQ	800	29				30	75	MOTOR L	CIRCULATING PUMP		20 1
30 3			ROOF TOP UNIT	MOTOR L	8646	31		3053		32	180	REC	JANITOR 117 GEN PWR		20 1
30 3			ROOF TOP UNIT	MOTOR L	8646	33			3053	34	180	REC	WOMEN 119 GEN PWR		20 1
40 3			ROOF TOP UNIT	MOTOR L	10087	37		6965		38	10808	MOTOR L	ROOF TOP UNIT		40 3
40 3			ROOF TOP UNIT	MOTOR L	10087	39			6965	40					40 3
40 3			ROOF TOP UNIT	MOTOR L	10087	41			6965	42					40 3
20 1			HALL 113 MAINTENANCE	REC	360	43		720		44	360	REC	WOMEN 115 GEN PWR		20 1
20 1			MEN 114 GEN PWR	REC	360	45			2531	46	4375	MOTOR L	SPARE		30 2
20 1			LAUNDRY 112 GEN PWR	REC	360	47			2531	48					30 2
20 1			BEDROOM 111 GEN PWR	REC	720	49		2879		50	4375	MOTOR L	HEAT PUMP RM 111		30 2
20 1			BEDROOM 110 GEN PWR	REC	720	51			2879	52					30 2
20 1			BEDROOM 109	REC	720	53			2879	54	4375	MOTOR L	HEAT PUMP RM 110		30 2
20 1			BEDROOM 108 GEN PWR	REC	720	55		2879		56					30 2
20 1			ELEC WATER FOUNTAIN	MOTOR L	480	57			2668	58	4375	MOTOR L	HEAT PUMP RM 110		30 2
20 1			FITNESS/WELLNESS 116	REC	360	59			2531	60	4375	MOTOR L	HEAT PUMP RM 108		30 2
20 1			FITNESS/WELLNESS 116	REC	360	61			2531	62					30 2
20 1			FITNESS/WELLNESS 116	REC	360	63			2531	64					30 2
20 1			WOMENS/MENS LGT/FAN	GEN	1014	65			1193	66	180	REC	FITNESS/WELLNESS 116		20 1
20 1			LGT-TRAINING, BREAK	LTS	1335	67		1695		68	360	REC	FITNESS/WELLNESS 116		20 1
20 1			BEDROOMS, HALL, LAUN	LTS	352	69			712	70	360	REC	FITNESS/WELLNESS 116		20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	71				72	180	REC	FITNESS/WELLNESS 116		20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	73		1800		74	900	OFF EQ	INFLOOR PWR TRAINING		20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	75			1040	76	143	LTS	EXTERIOR LIGHTING		20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	77			1389	78	491	GEN	LIGHTING, RESTR FAN		20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	79		900		80					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	81			900	82					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	83			900	84					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	85				86					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	87				88					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	89				90					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	91				92					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	93				94					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	95				96					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	97				98					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	99				100					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	101				102					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	103				104					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	105				106					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	107				108					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	109				110					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	111				112					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	113				114					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	115				116					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	117				118					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	119				120					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	121				122					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	123				124					20 1
20 1			INFLOOR PWR TRAINING	OFF EQ	900	125				126					20 1
ALL CONNECTED			KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA						
TOTAL CONNECTED			90.09	258.1	* A-N	30892.3	257.2	CONNECTED	90.09						
TOTAL DEMAND			89.61	258.1	* B-N	30995.0	258.1	DEMAND	89.61						
TOTAL DESIGN			91.08	262.3	* C-N	28208.7	234.9	DESIGN	91.08						



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PANEL SCHEDULES		E 4
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