

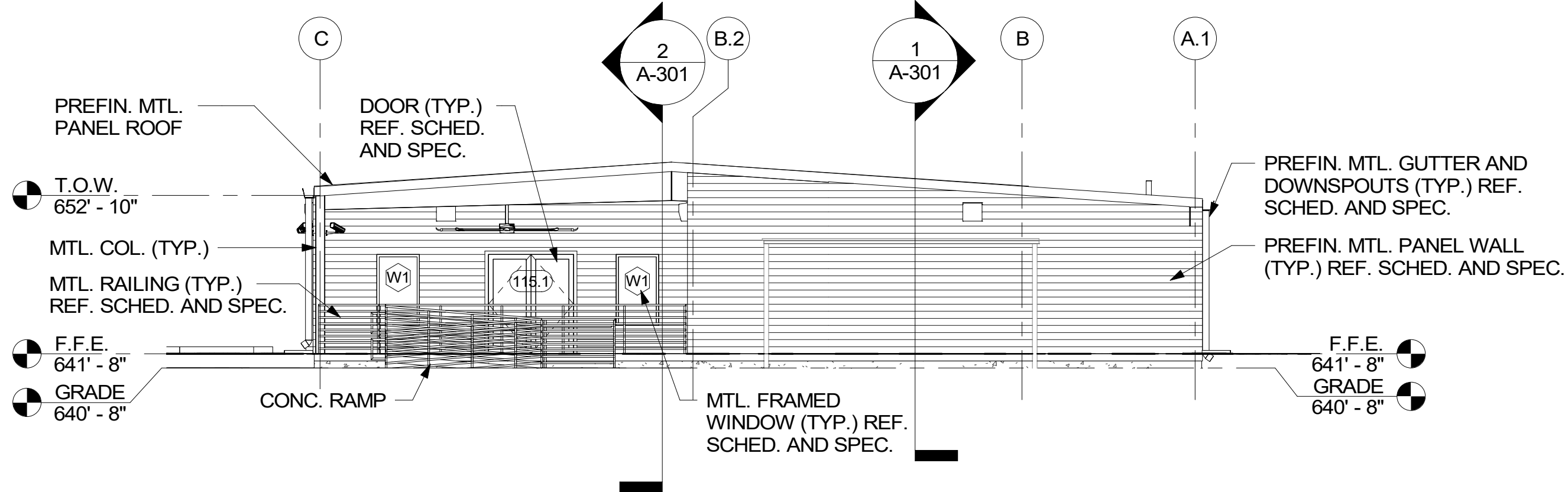
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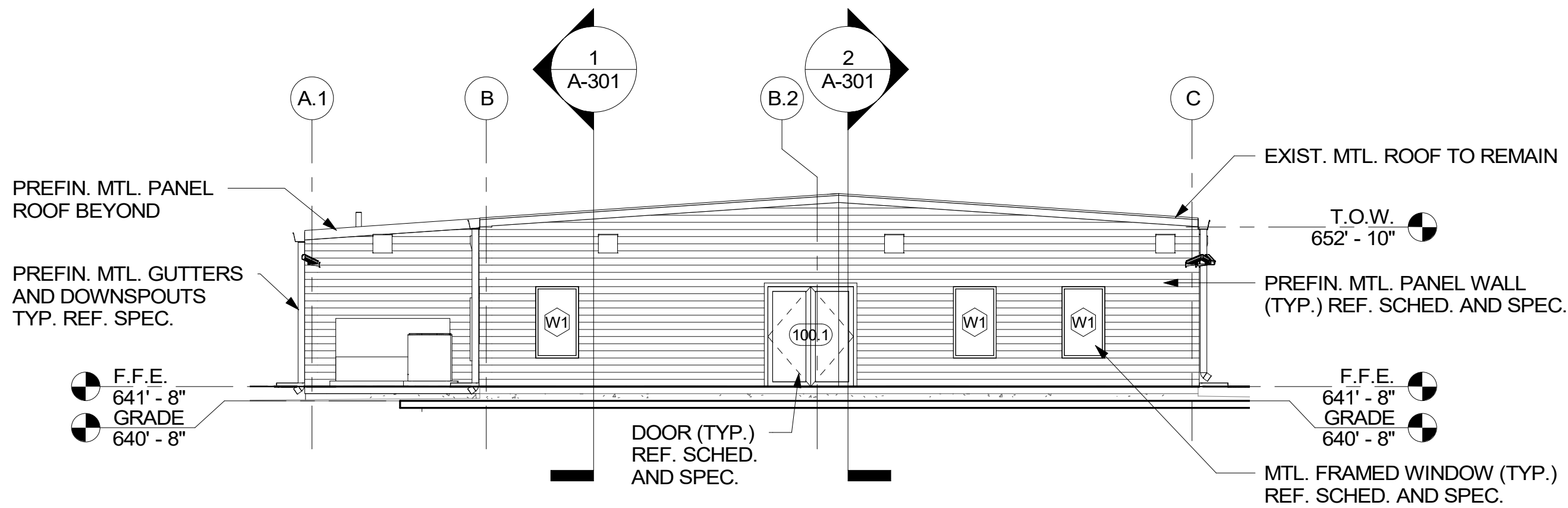
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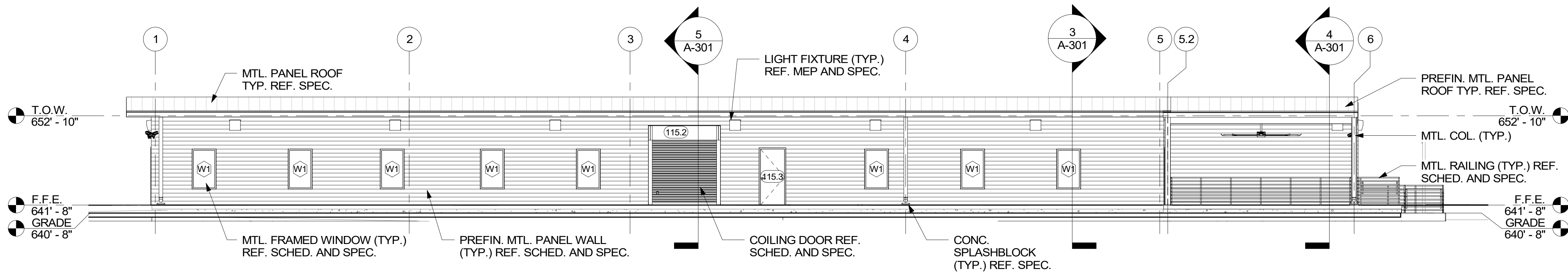
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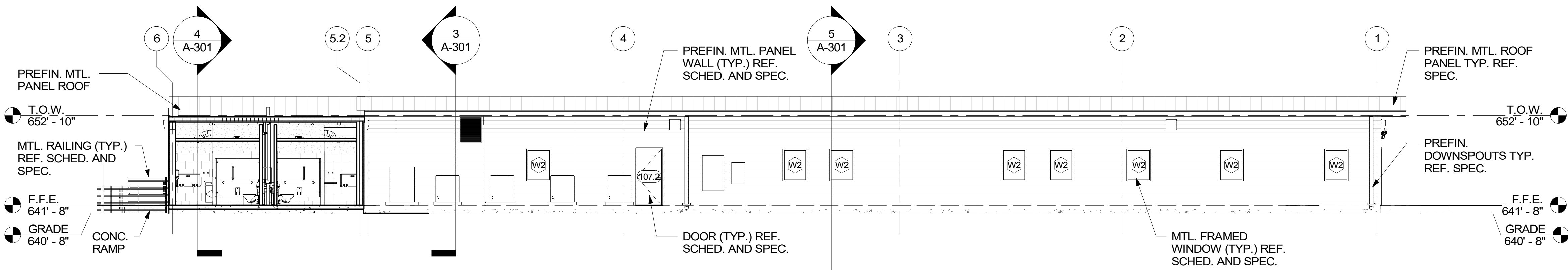
1 BUILDING ELEVATION - EAST
1/8" = 1'-0"



2 BUILDING ELEVATION - WEST
1/8" = 1'-0"



3 BUILDING ELEVATION - SOUTH
1/8" = 1'-0"



4 BUILDING ELEVATION - NORTH
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GENERAL NOTES (GN)

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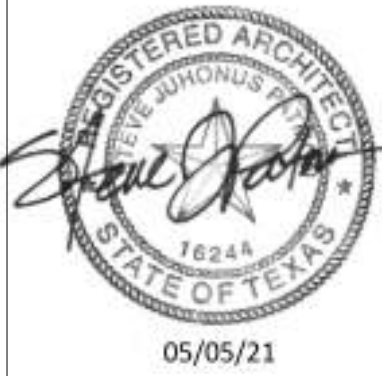
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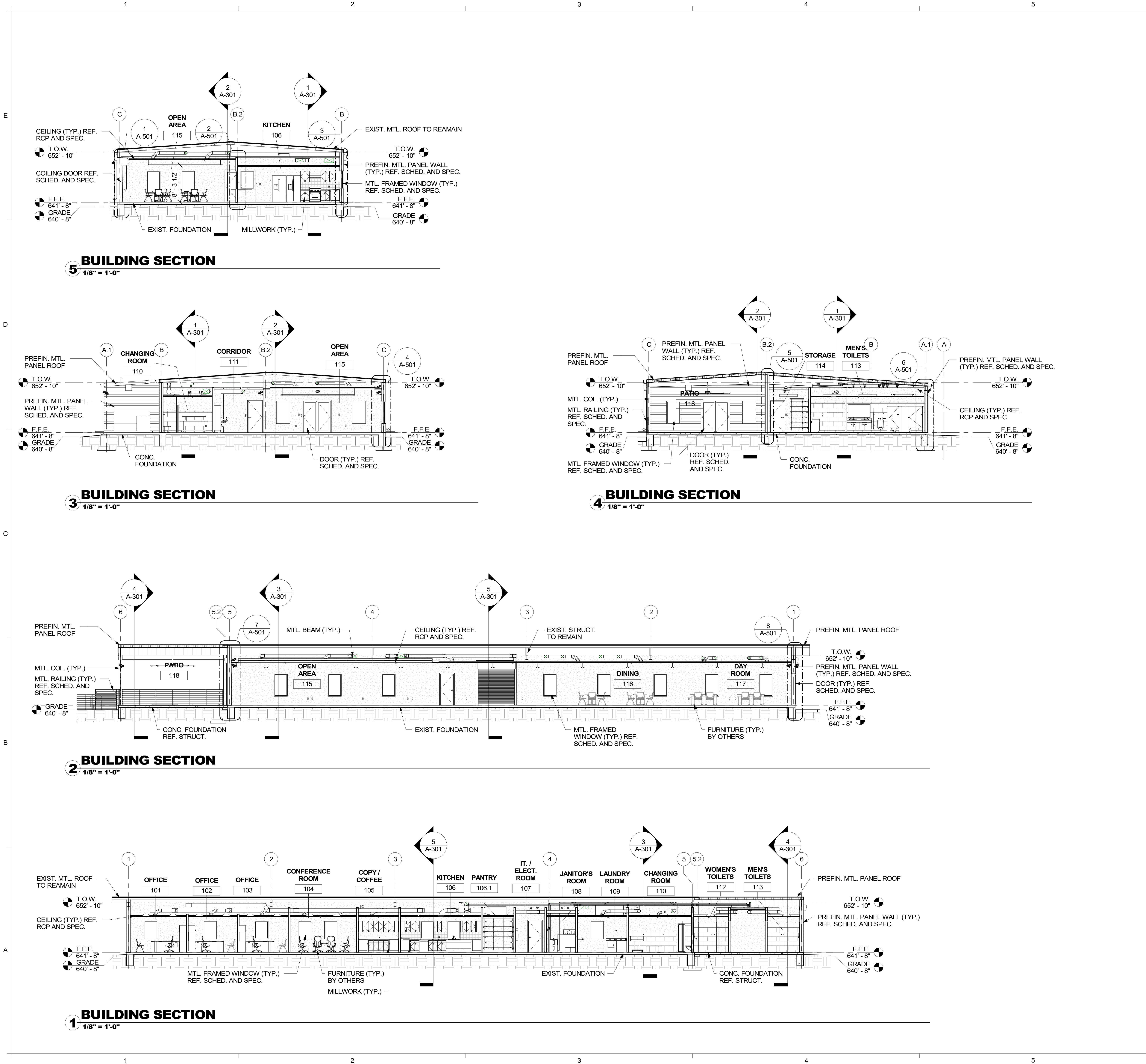
FRIO COUNTY

BUILDING ELEVATIONS

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020-004-000
05/05/2021

A-200

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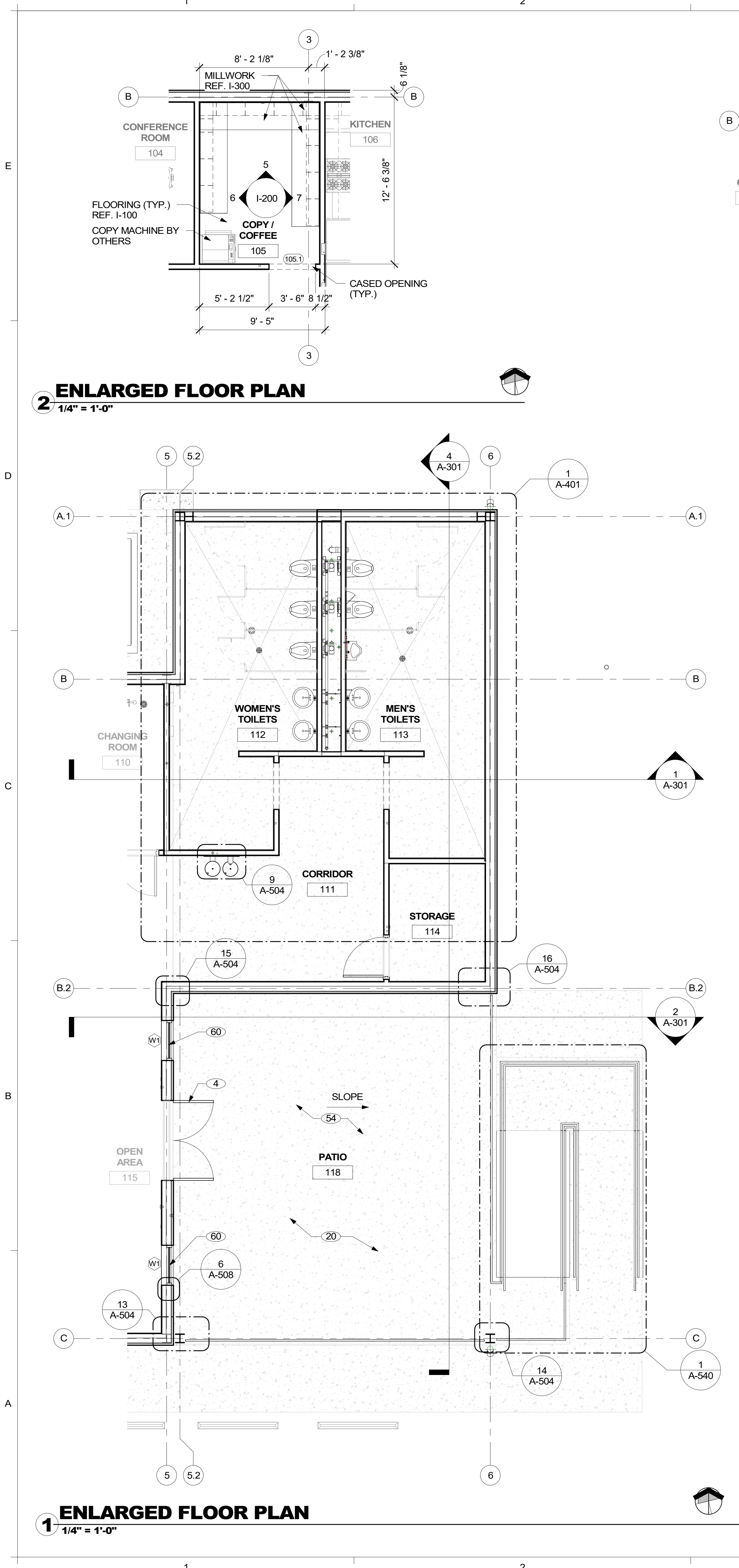
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FRIO COUNTY

BUILDING SECTIONS

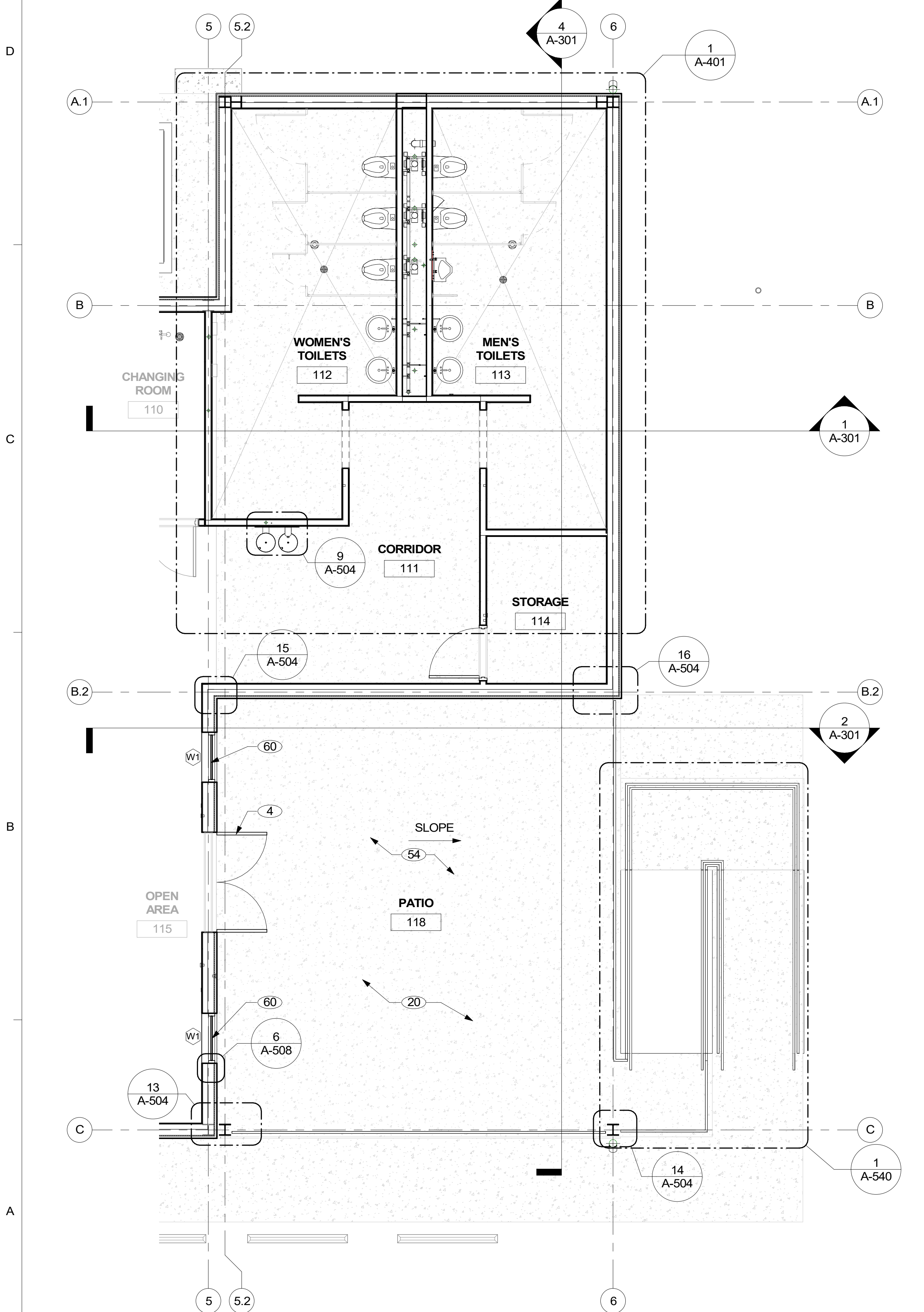
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A-301

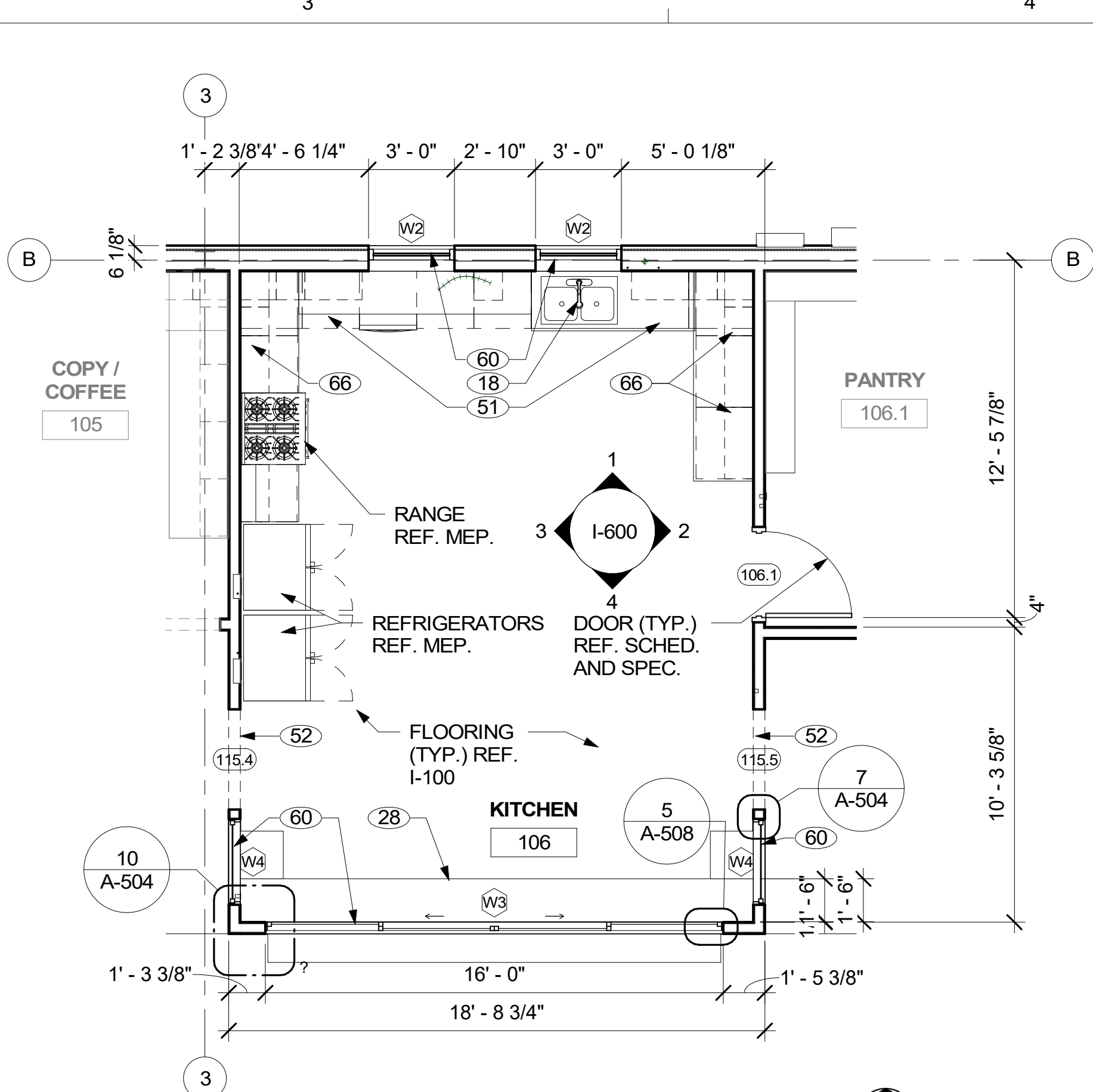
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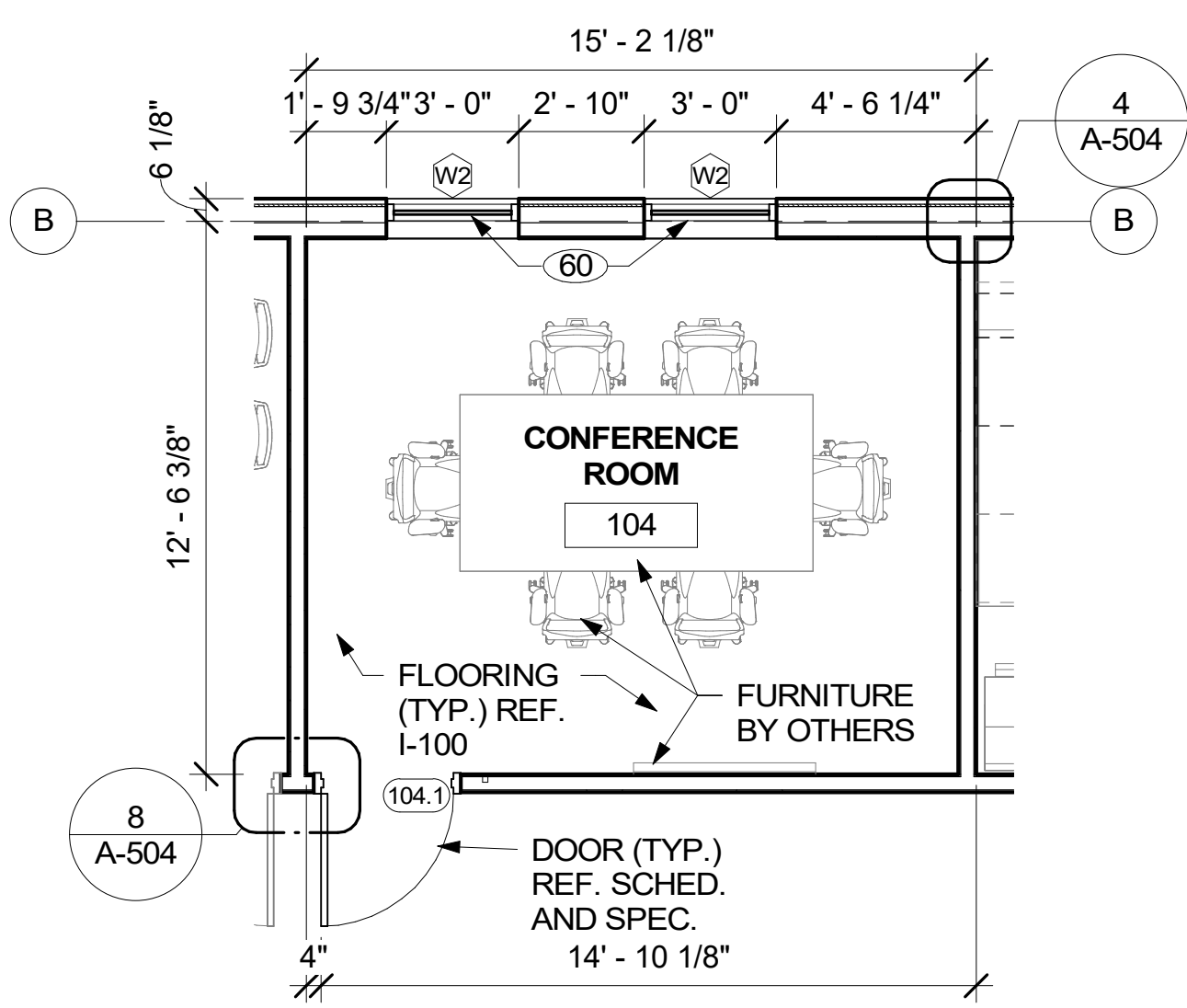
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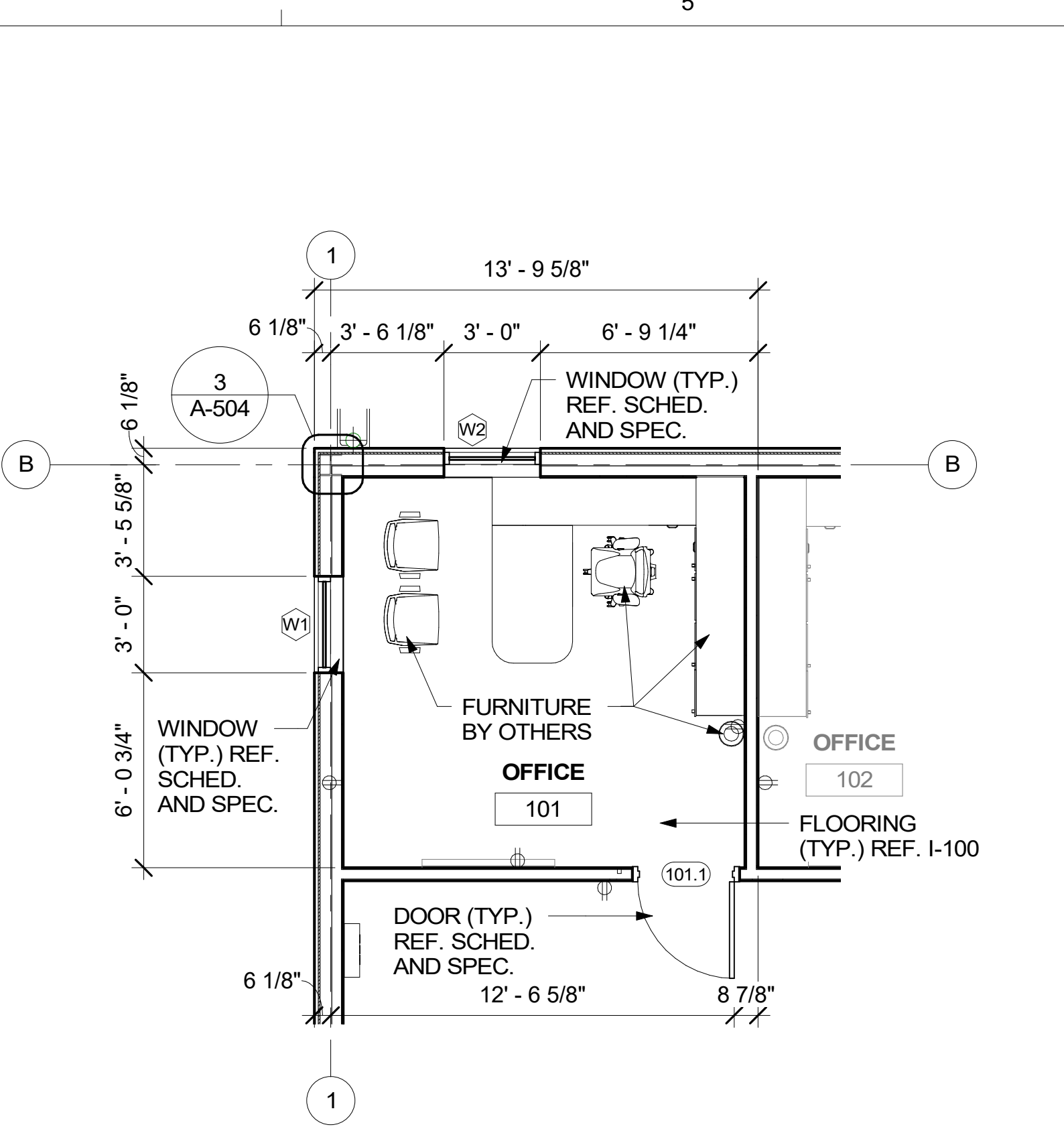
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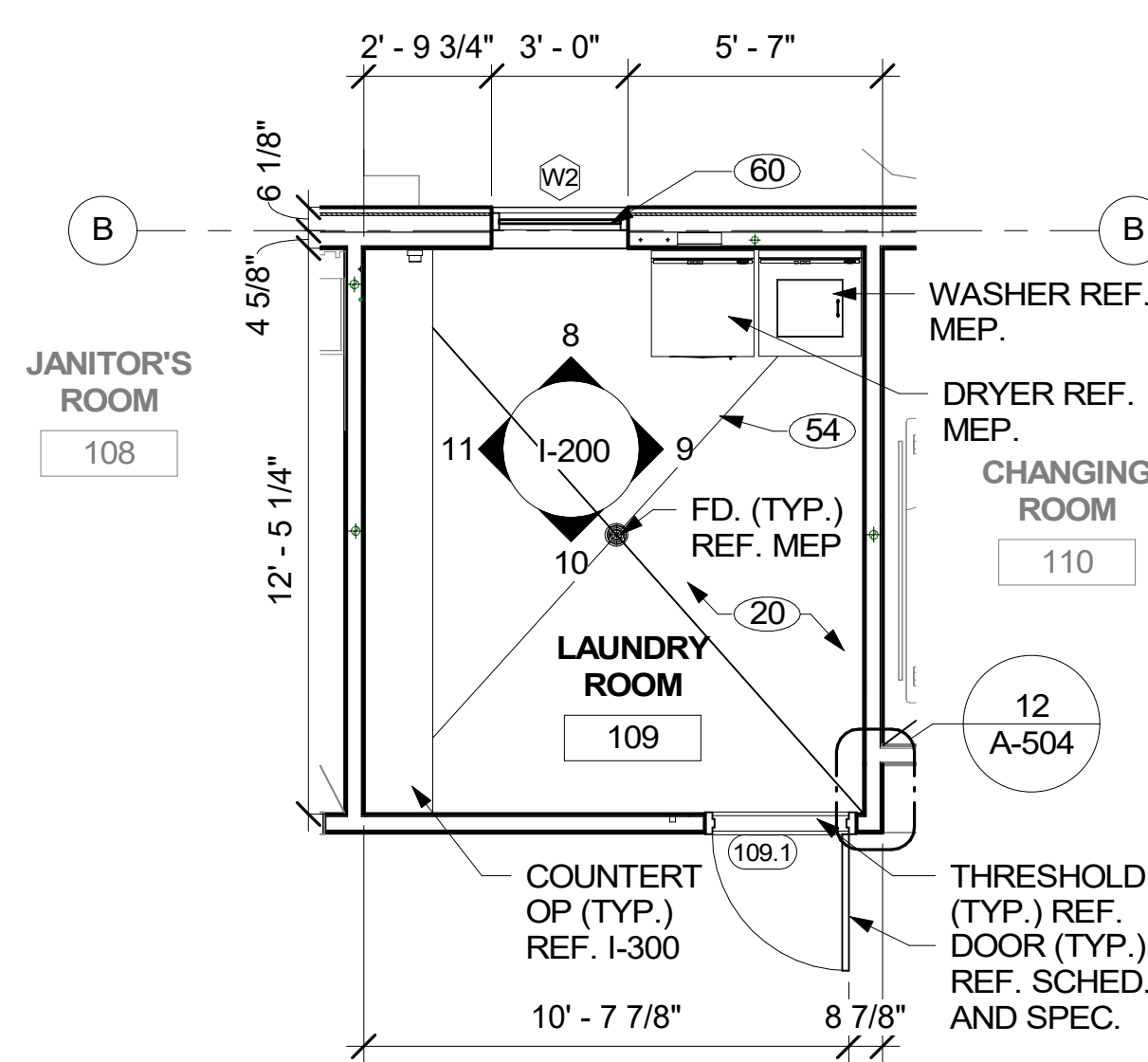
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SHEET KEYNOTES

NO.	NOTE
4	DOOR (TYP.) REF. SCHED. AND SPEC.
18	SINK (TYP.) REF. MEP
20	FLOOR FINISH (TYP.) REF. FINISH SCHED.
28	MILLWORK (TYP.) REF. I-300
51	COUNTERTOP W/BASE CABINETS REF. MILLWORK PLANS AND SPEC.
52	CASED OPENING (TYP.)
54	0.5% SLOPE TO DRAIN (TYP.) COORD. WITH FLOOR FINISH AND OTHER DISCIPLINES AS REQ'D.
60	METAL FRAMED WINDOW (TYP.) REF. WINDOW SCHED. AND SPEC.
66	UPPER CABINETS (TYP.) REF. MILLWORK PLANS AND SPEC.



Revisions

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CAMINO REAL WORK FORCE CENTER
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FRIO COUNTY

ENLARGED FLOOR PLANS

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28	MILLWORK (TYP.) REF. I-300
42	REFIN. MTL. THRESHOLD (TYP.) REF. SCHED. AND SPEC.
46	FLOOR DRAIN (TYP.) REF. MEP.
50	URINAL (TYP.) REF. MEP AND SPEC.
52	CASED OPENING (TYP.)
53	DRINKING FOUNTAIN REF. MEP AND SPEC.
54	0.5% SLOPE TO DRAIN (TYP.) COORD. WITH FLOOR FINISH AND OTHER DISCIPLINES AS REQ'D.

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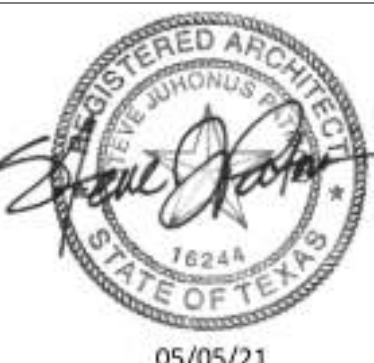
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FRIO COUNTY

ENLARGED TOILET PLANS

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05/05/2021

A-401



TOILET ACCESSORY SCHEDULE

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MARK	ACCESSORY	MANUF. / MODEL NO.	DESCRIPTION	MOUNTING INFORMATION
B	ADA BENCH (ACCESSIBLE DRESSING ROOM BENCH)	ASI STORAGE SOLUTIONS	42"W x 20"D WOOD BENCH TOP WITH BLACK PAINTED HEAVY DUTY PEDESTALS	FLOOR MOUNTED WITH THE TOP OF BENCH A.F.F. 19" MAX. AND 17" MIN.
BCS	BABY CHANGING STATION	KKOALA KB 100-ST	RECESS MOUNTED, HORIZONTAL POLYETHYLENE BABY CHANGING STATION WITH STAINLESS STEEL FLANGE	WALL MOUNTED: MOUNT AT 28 3/4" A.F.F. TO BOTTOM OF UNIT. IF MOUNTED IN PATH OF CIRCULATION, MOUNT AT 27" A.F.F. TO BOTTOM OF UNIT.
CH	CLOTHES HOOK	BOBRICK / B-212	SATIN - STAINLESS STEEL CLOTHES HOOK AND BUMPER	48" A.F.F.
CR	SHOWER ROD	BOBRICK / B-6047	STAINLESS STEEL SHOWER CURTAIN ROD	80" A.F.F.
GB1	GRAB BAR (36")	BOBRICK / B6806.99X36	SATIN - STAINLESS STEEL 36" GRAB BAR	34" TO CENTERLINE OF BAR
GB2	GRAB BAR (42")	BOBRICK / B6806.99X42	SATIN - STAINLESS STEEL 42" GRAB BAR	34" TO CENTERLINE OF BAR
GB3	GRAB BAR (36"W X 18" D)	BRADLEY / 8122-0591836	SAFETY GRIP FINISH-STAINLESS STEEL 36" X 18" GRAB BAR	34" TO CENTERLINE OF BAR
GB4	GRAB BAR (18")	BOBRICK / B-6806.99X18	SATIN - STAINLESS STEEL 18" GRAB BAR	MOUNT VERTICALLY. BOTTOM OF BAR MIN HEIGHT 39" AND 41" MAX. CENTERLINE 39" MIN FROM REAR WALL AND 41" MAX.
GB5	GRAB BAR (60")	BOBRICK / B-6806.99X60	SATIN - STAINLESS STEEL 60" GRAB BAR	34" TO CENTERLINE OF BAR
HD	WARM-AIR DRYER	DYSON / AIRBLADE V / HU02 - 307172-01	SPRAYED NICKEL	48" A.F.F. TO CONTROLS
M	MIRROR UNIT - 60"W x 36"H	BOBRICK / B-290	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME	BOTTOM AT 40" A.F.F.
MR	MOP AND BROOM HOLDER	BOBRICK / B-223 X36	36" LONG STAINLESS STEEL MOP RACK	48" A.F.F. TO CONTROLS
SB	FOLDING SHOWER SEAT	ASI AMERICAN SPECIALTIES / 8203-33	REVERSIBLE FOLDING SHOWER SEAT	18" A.F.F.
SD	SOAP DISPENSER	BOBRICK / B-8226	SATIN - STAINLESS STEEL LAVATORY MOUNTED SOAP DISPENSER	34" A.F.F.
SN	SANITARY-NAPKIN DISPOSAL UNIT	BOBRICK / B-4354	SATIN - STAINLESS STEEL PARTITION MOUNTED SANITARY NAPKIN DISPOSAL	BOTTOM AT 15" A.F.F.
T	TOILET PARTITION	HADRIAN	SATIN - STAINLESS STEEL FLOOR MOUNTED PARTITION	FLOOR MOUNTED
T1	URINAL SCREEN	HADRIAN	SATIN - STAINLESS STEEL WALL MOUNTED URINAL SCREEN	WALL MOUNTED BOTTOM AT 12" A.F.F. (MOUNT AS REQUIRED BY ACCESSIBILITY REGULATIONS AND MANUF.)
TP	TOILET TISSUE DISPENSER	BOBRICK / B-4288	SATIN - STAINLESS STEEL TOILET PAPER DISPENSER - DOUBLE ROLL	BOTTOM AT 15" A.F.F. (MOUNT AS REQUIRED BY ACCESSIBILITY REGULATIONS AND MANUF.)

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REFERENCE SHEET G-005 FOR KEYNOTES

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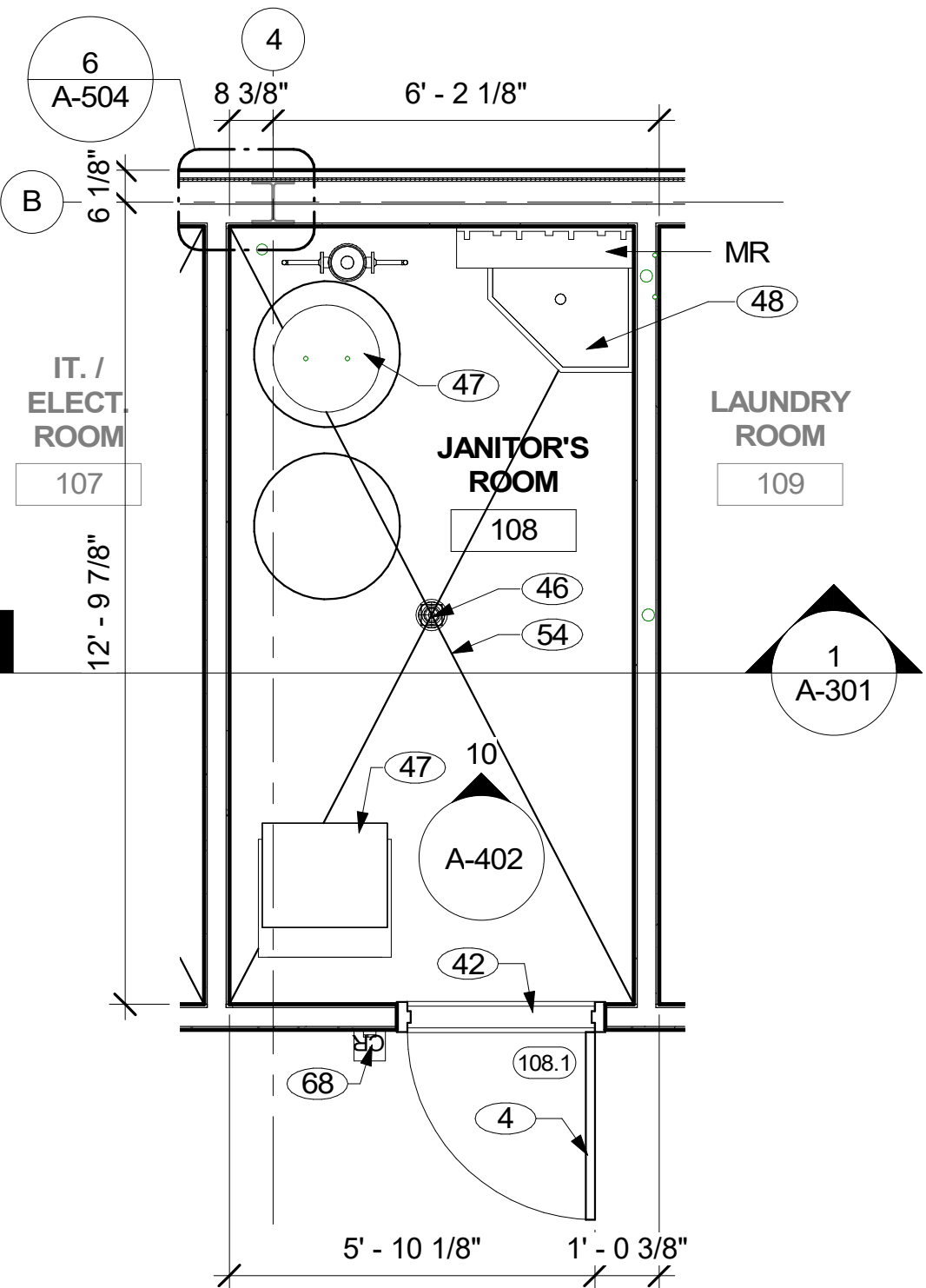
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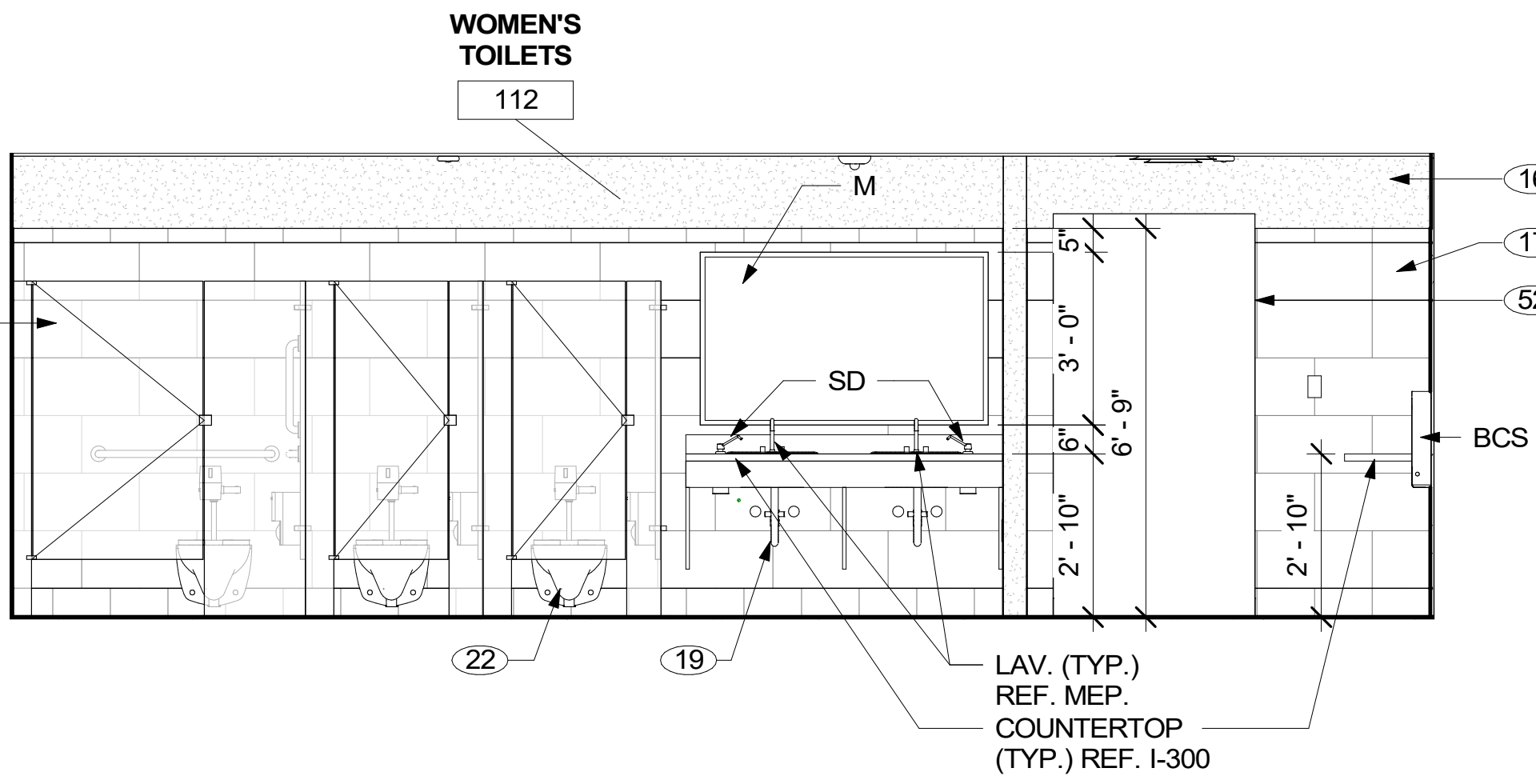
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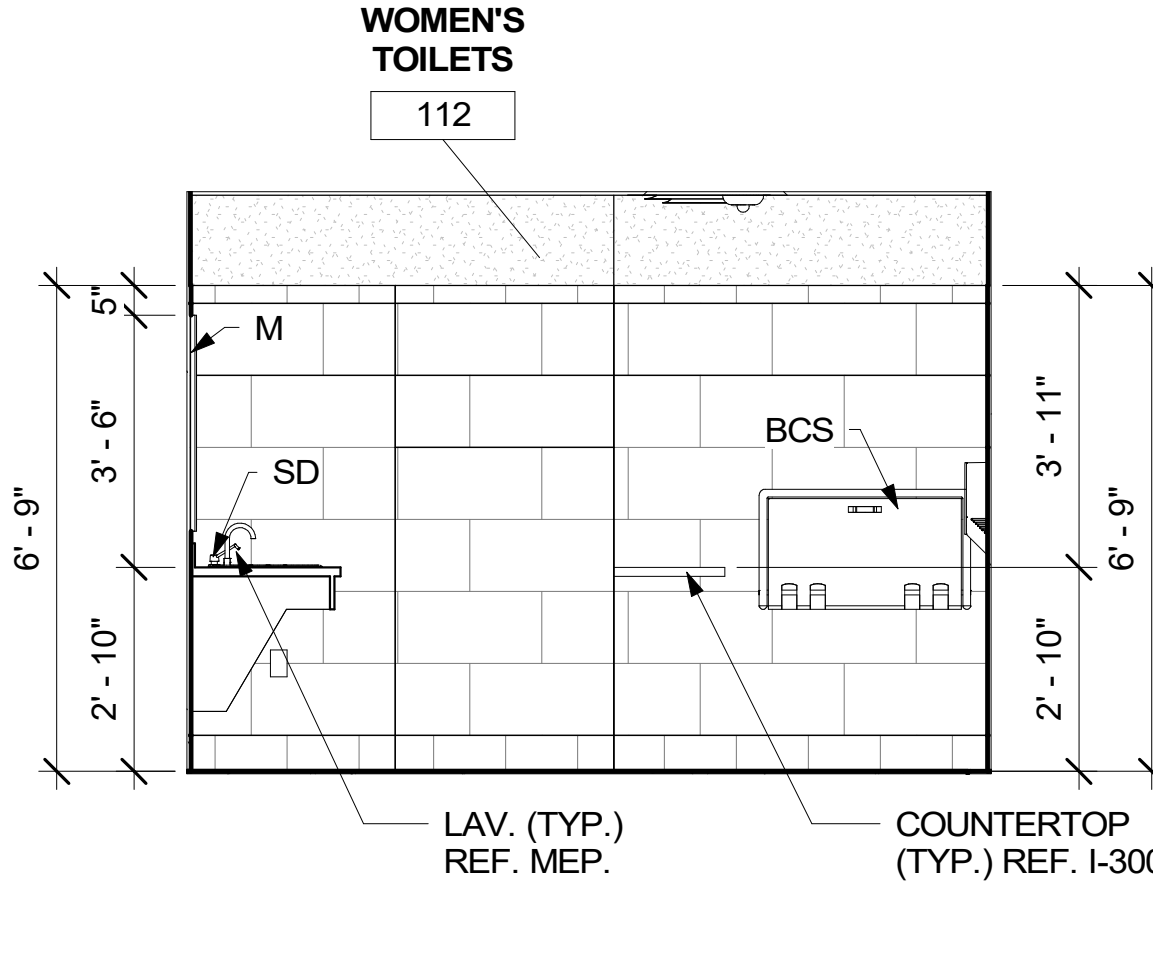
1 ENLARGED FLOOR PLAN

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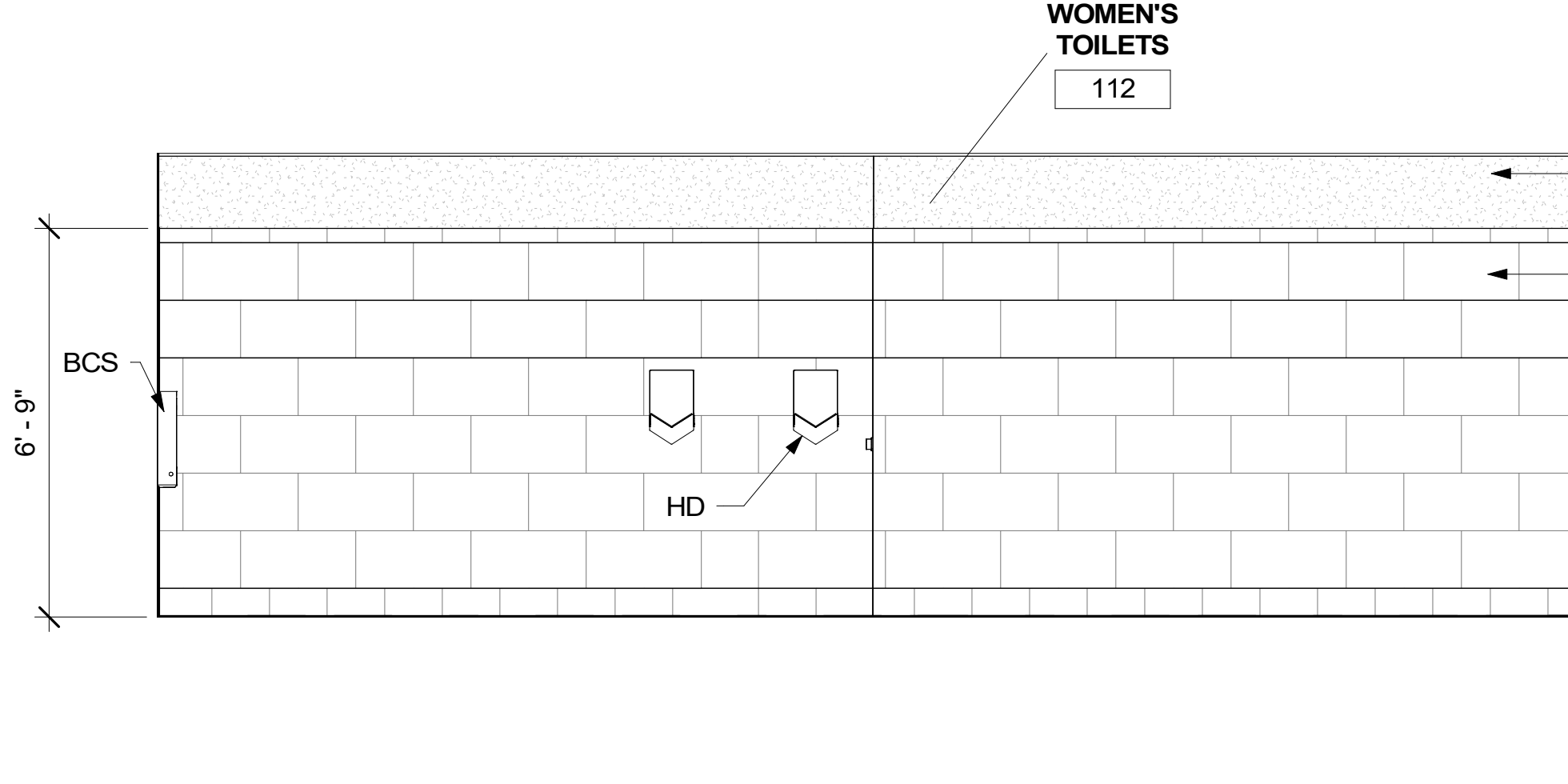
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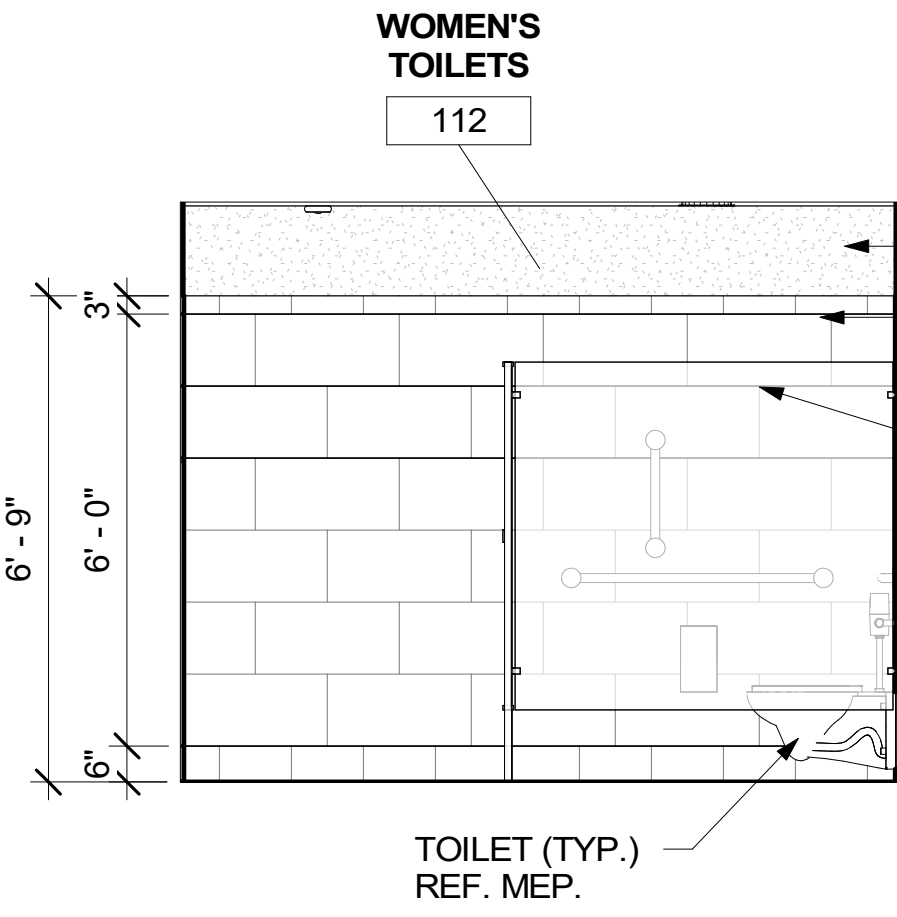
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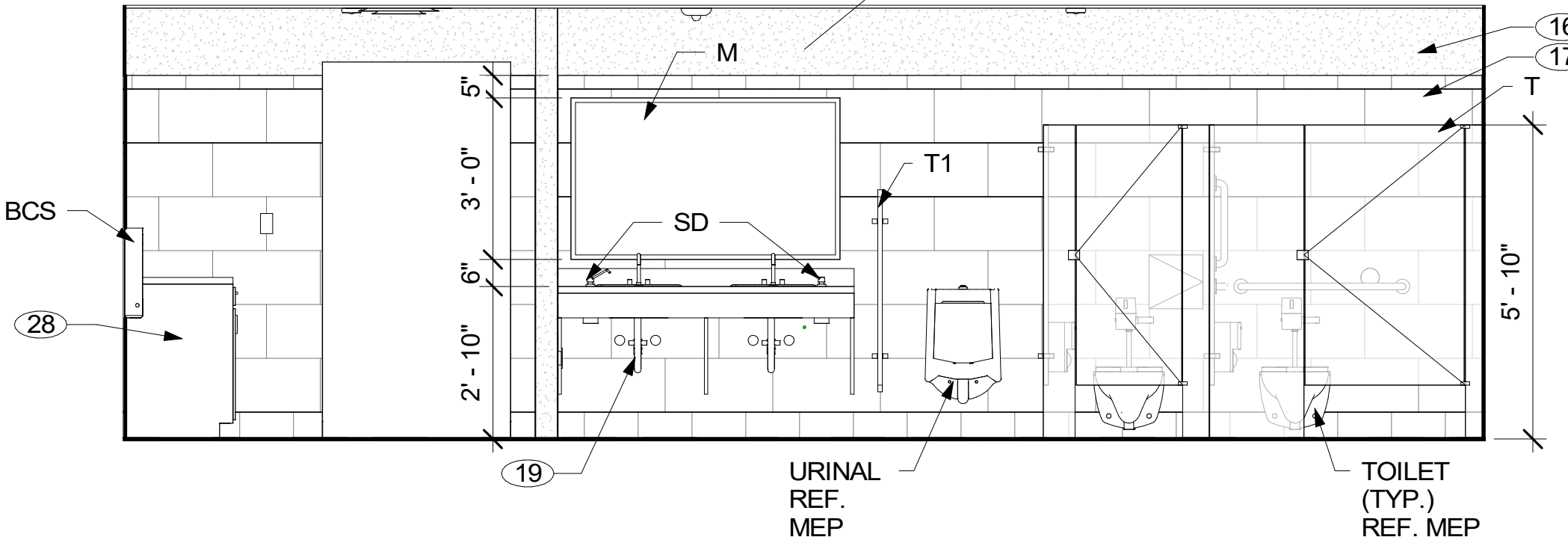
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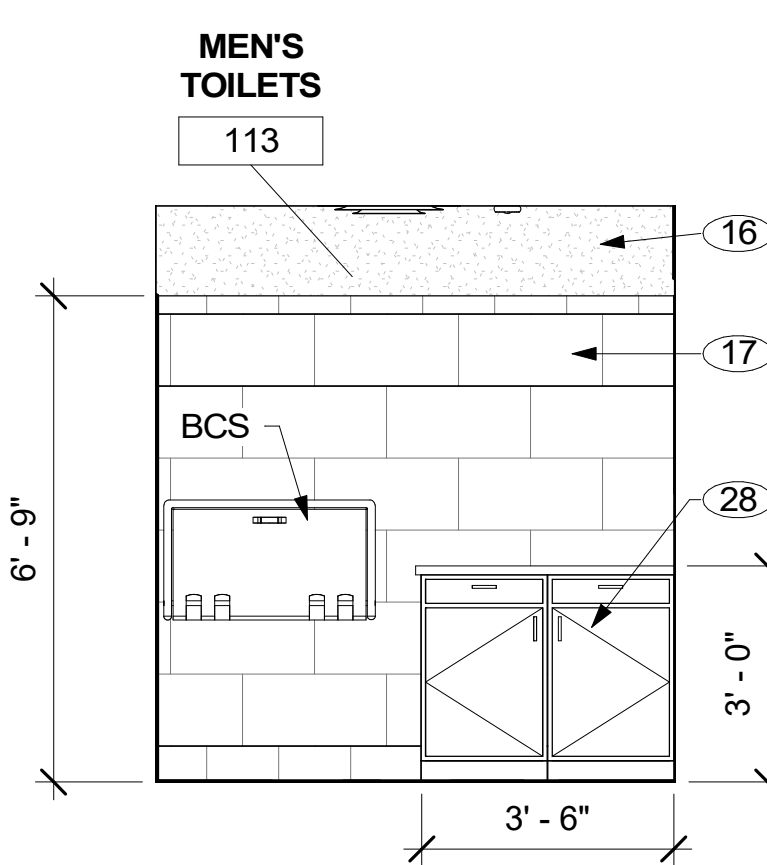
5 INTERIOR ELEVATION

3/8" = 1'-0"



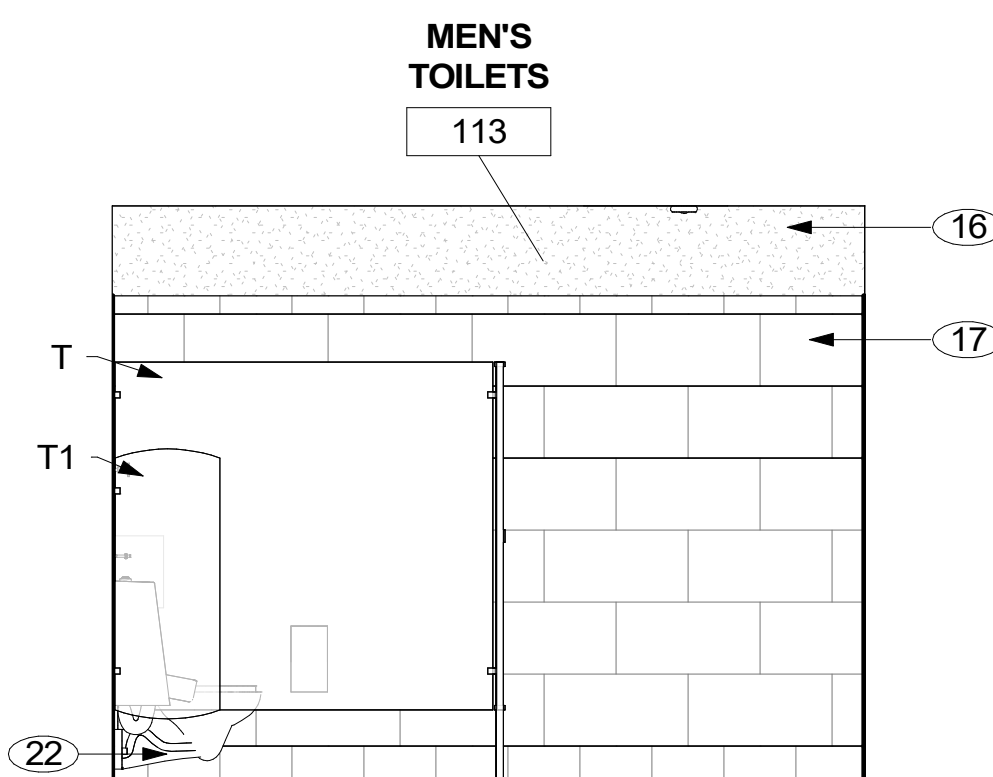
6 INTERIOR ELEVATION

3/8" = 1'-0"



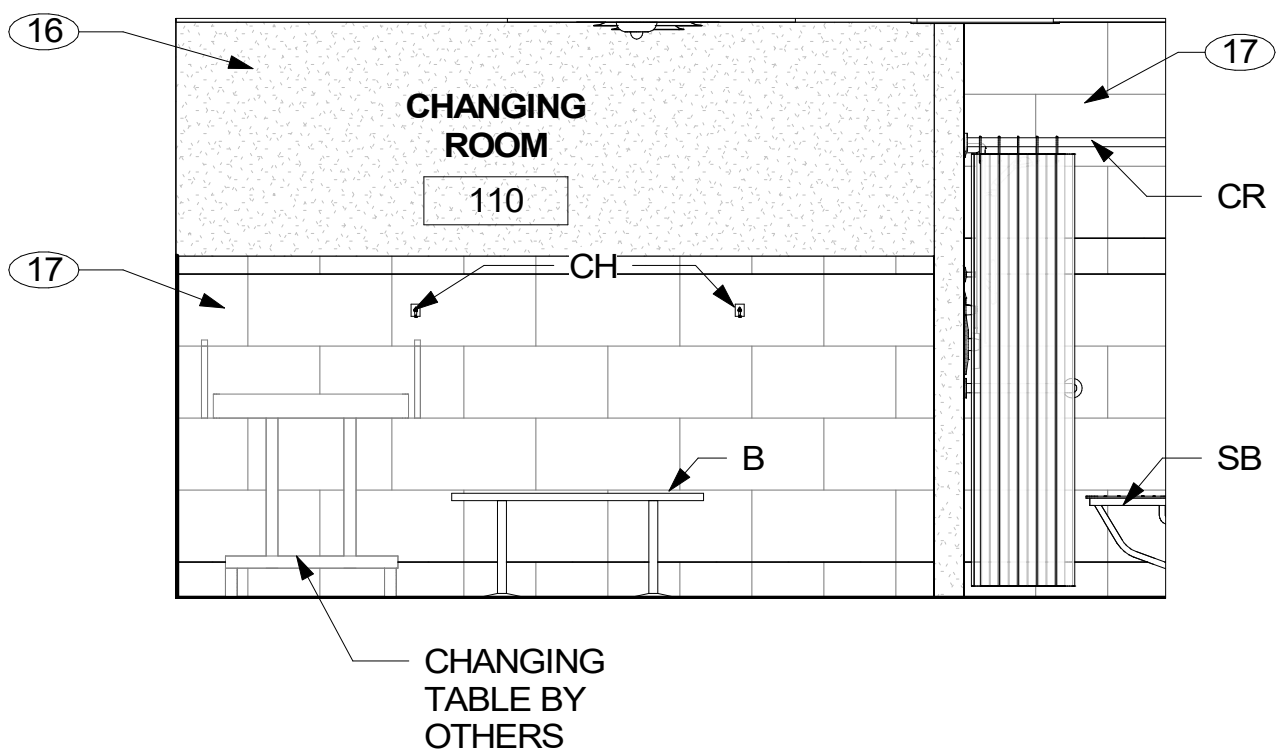
7 INTERIOR ELEVATION

3/8" = 1'-0"



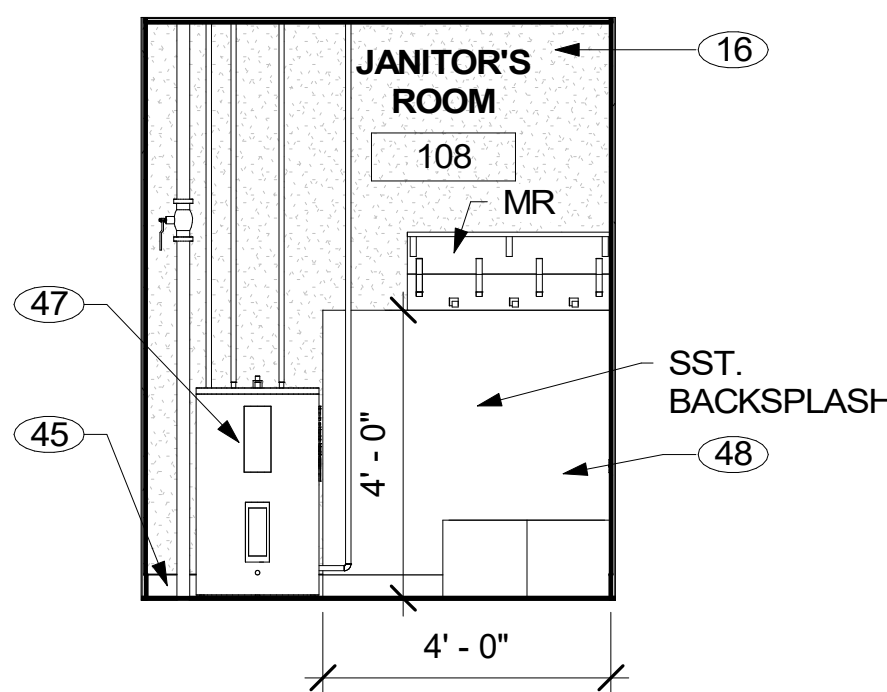
8 INTERIOR ELEVATION

3/8" = 1'-0"



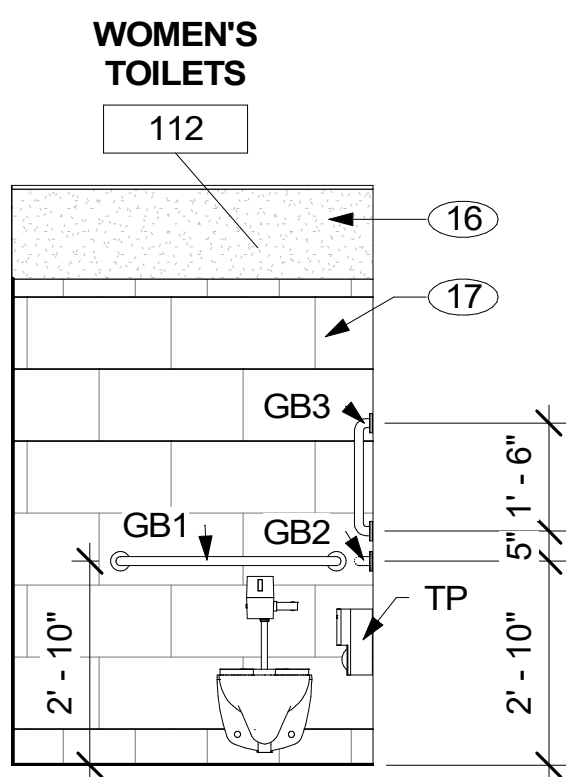
9 INTERIOR ELEVATION

3/8" = 1'-0"



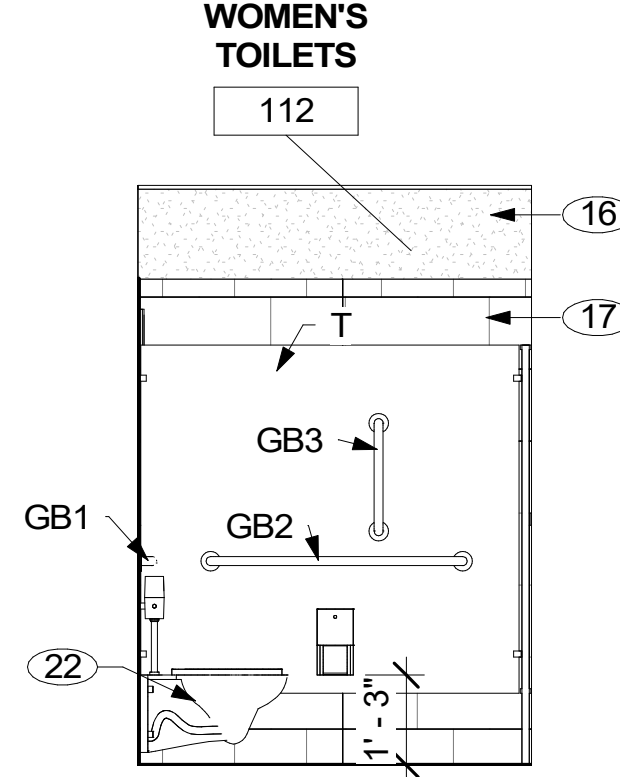
10 INTERIOR ELEVATION

3/8" = 1'-0"



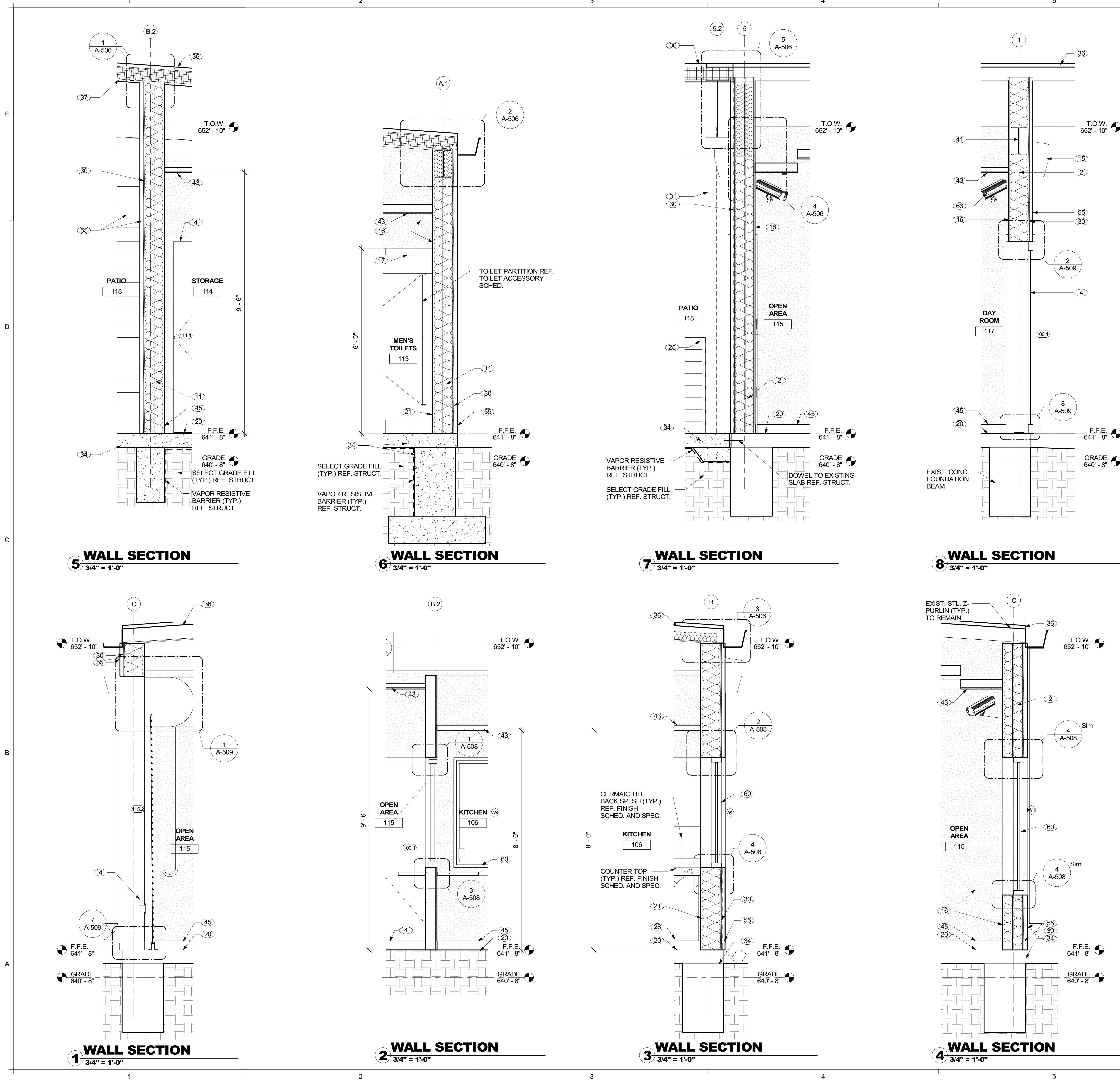
11 INTERIOR ELEVATION

3/8" = 1'-0"



12 INTERIOR ELEVATION

3/8" = 1'-0"

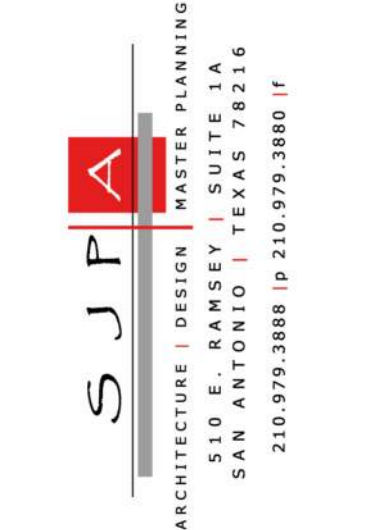


GENERAL NOTES (GN)

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SHEET KEYNOTES

NO.	NOTE
2	8" MTL. STUDS INLINE W/ EXISTING 8" GIRTS (W/ INSULATION) REF. PARTITION TYPES AND SPEC.
4	DOOR (TYP.) REF. SCHED. AND SPEC.
11	8" MTL. STUDS INLINE W/ 8" GIRTS (W/ INSULATION) REF. PARTITION TYPES AND SPEC.
15	LIGHT FIXTURE (TYP.) REF. MEP
16	GYP. BD. (PTD.) (TYP.) REF. WALL PARTITION TYPES, FINISH PLAN, AND SPEC.
17	TILE WAINSCOT W/ CEMENTITIOUS BACKER (TYP.) REF. SCHED. AND SPEC.
20	FLOOR FINISH (TYP.) REF. FINISH SCHED.
21	INSULATED MTL. FRAMED WALL (TYP.) REF. DIMENSIONAL PLANS, WALL PARTITION TYPES, AND SPEC.
25	1-1/2" DIA. STL PIPE GUARDRAIL (TYP.) (PTD.) REF. SPEC.
28	MILLWORK (TYP.) REF. I-300
30	WATER RESISTIVE BARRIER OVER 5/8" SHEATHING (TYP.) REF. PARTITION TYPES AND SPEC.
31	STEEL COLUMN (EXPOSED COLUMN CONDITIONS SHALL BE PTD.) (TYP.) REF. PEMB DWGS
34	CONCRETE FOUNDATION (TYP.) REF. STRUCT. DWGS
36	PREFIN. MTL. ROOF PANEL (TYP.) REF. SCHED. AND SPEC.
37	PREFIN. MTL. SOFFIT PANEL (TYP.) REF. SCHED. AND SPEC.
41	STEEL STRUCT. (EXPOSED STRUCT. STEEL CONDITIONS SHALL BE PTD.) (TYP.) REF. PEMB DWGS
43	CEILING (TYP.) REF. SCHED. AND SPEC.
45	WALL BASE (TYP.) REF. SCHED. AND SPEC.
55	PREFIN. MTL. PANEL REF. EXT. MATERIAL SCHED. AND SPEC.
60	METAL FRAMED WINDOW (TYP.) REF. WINDOW SCHED. AND SPEC.
63	CCTV (TYP.) BY OTHERS



Revisions		
#	Description	Date

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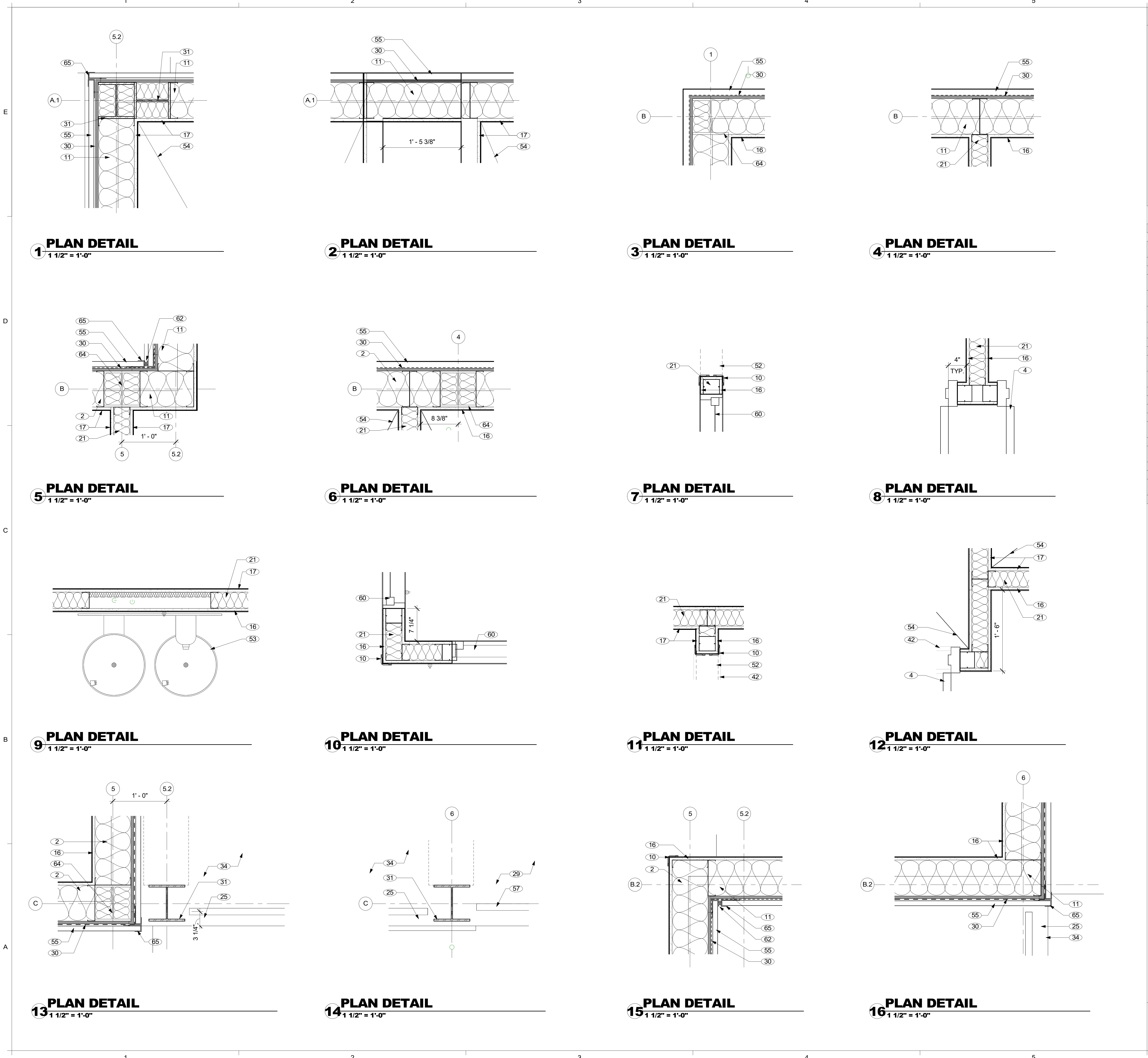


CAMINO REAL WORK FORCE CENTER
1796 IH 35 EAST, PEARSALL, TX 78061

FRIO COUNTY

WALL SECTIONS	
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05/05/2021	
A-501	

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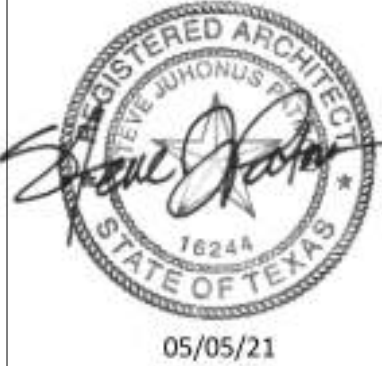
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10	CORNER GUARD (TYP.) REF. MTRL. SCHED. AND SPEC.
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16	GYP. BD. (PTD.)(TYP.) REF. WALL PARTITION TYPES, FINISH PLAN, AND SPEC.
17	TILE WAINSCOT W/ CEMENTITIOUS BACKER (TYP.) REF. SCHED. AND SPEC.
21	INSULATED MTL. FRAMED WALL (TYP.) REF. DIMENSIONAL PLANS, WALL PARTITION TYPES, AND SPEC.
25	1-1/2" DIA. STL. PIPE GUARDRAIL (TYP.)(PTD.) REF. SPEC.
29	CONCRETE RAMP (SEALED) (TYP.) REF. STRUCT. DWGS
30	WATER RESISTIVE BARRIER OVER 5/8" SHEATHING (TYP.) REF. PARTITION TYPES AND SPEC.
31	STEEL COLUMN (EXPOSED COLUMN CONDITIONS SHALL BE PTD.)(TYP.) REF. PEMB DWGS
34	CONCRETE FOUNDATION (TYP) REF. STRUCT. DWGS
42	PREFIN. MTL. THRESHOLD (TYP.) REF. SCHED. AND SPEC.
52	CASED OPENING (TYP.)
53	DRINKING FOUNTAIN REF. MEP AND SPEC.
54	0.5% SLOPE TO DRAIN (TYP.) COORD. WITH FLOOR FINISH AND OTHER DISCIPLINES AS REQ'D.
55	PREFIN. MTL. PANEL REF. EXT. MATERIAL SCHED. AND SPEC.
57	1-1/2" DIA. STL. PIPE GUARDRAIL W/ 1-1/2" MAX. DIA. HANDRAIL (TYP.)(PTD.) REF. SPEC.
60	METAL FRAMED WINDOW (TYP.) REF. WINDOW SCHED. AND SPEC.
62	CONT. SEALANT W/ BACKER ROD AS REQUIRED (TYP.) REF. SPEC.
64	EXISTING STRUCTURE TO REMAIN AND PROTECTED IN PLACE (TYP.)
65	FLASHING (TYP.) PER MANUF. GUIDELINES



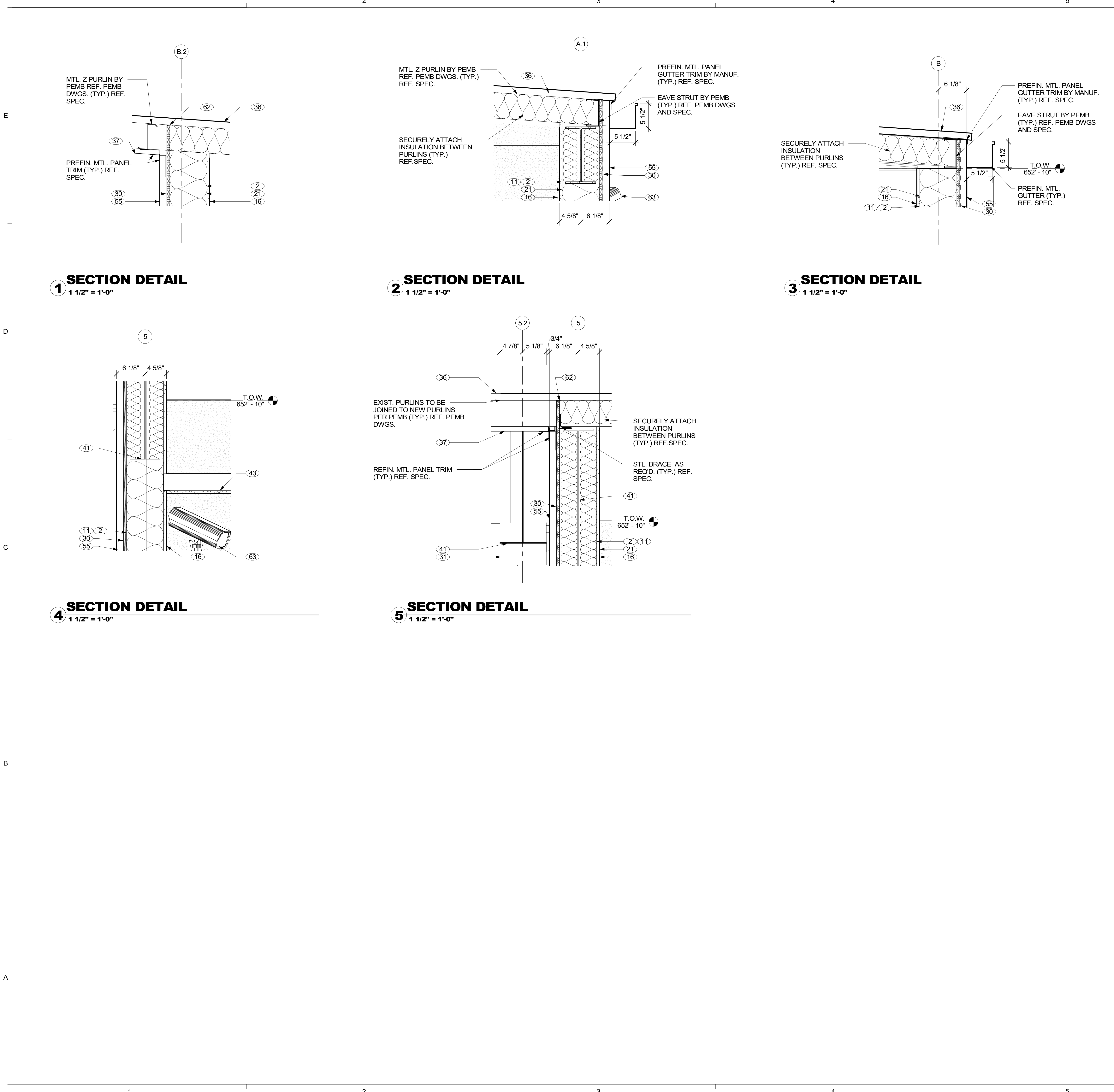
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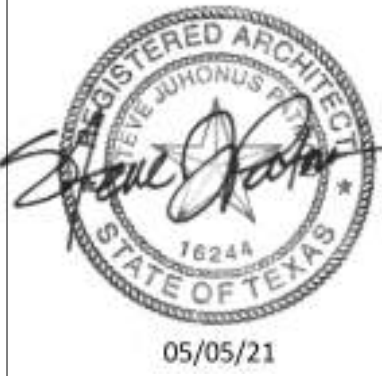
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63	CCTV (TYP.) BY OTHERS

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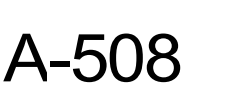
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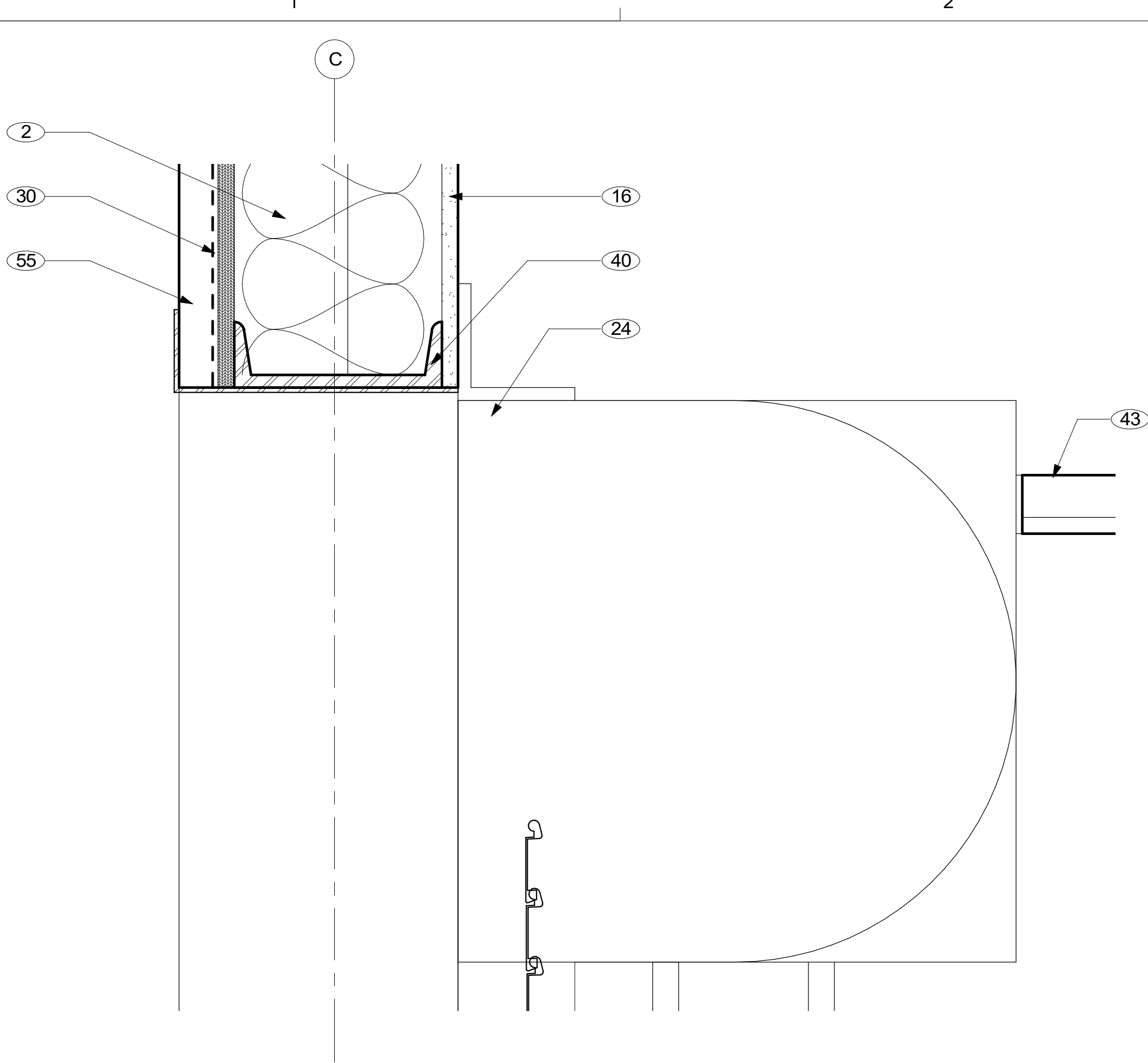
Frio County



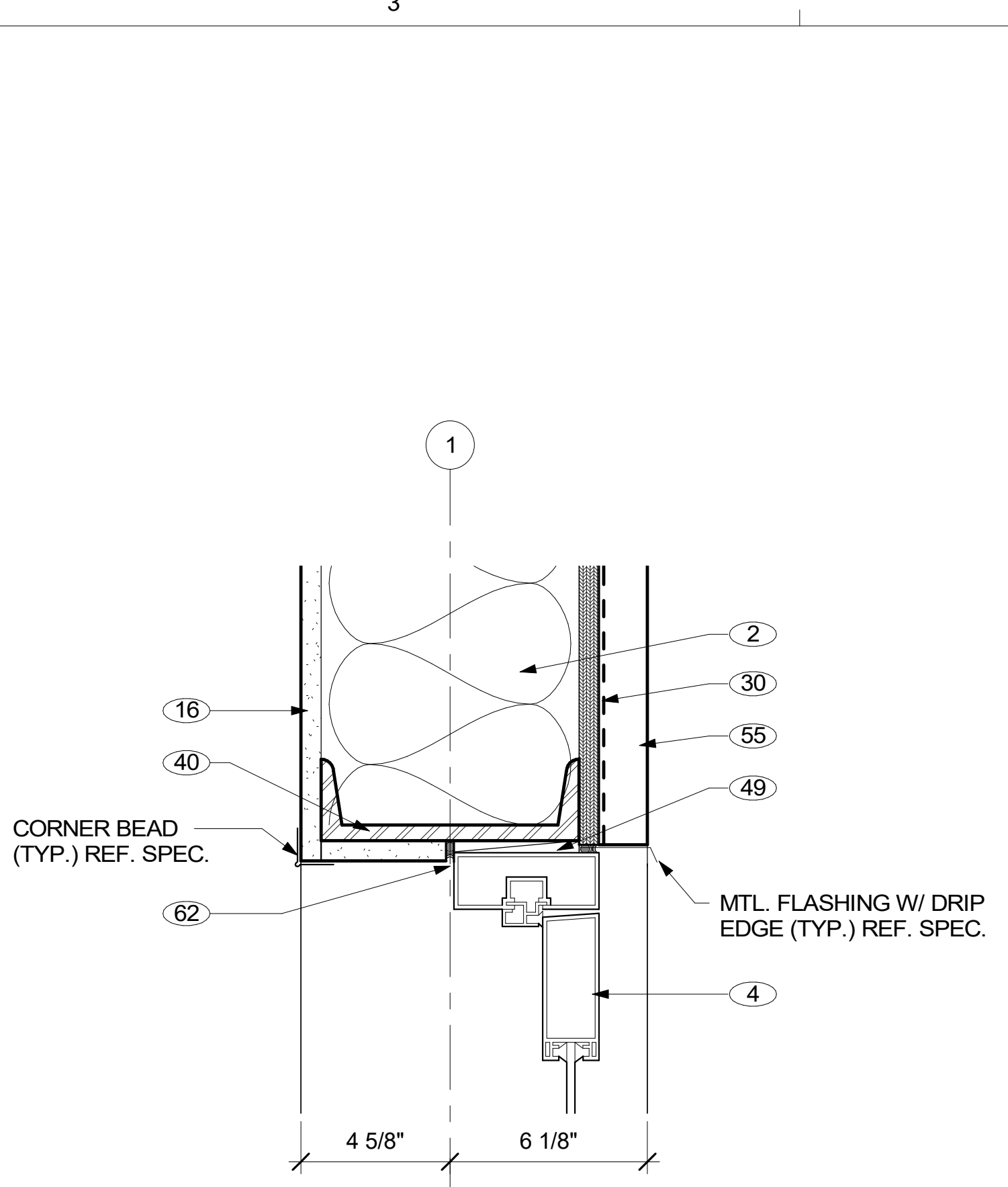
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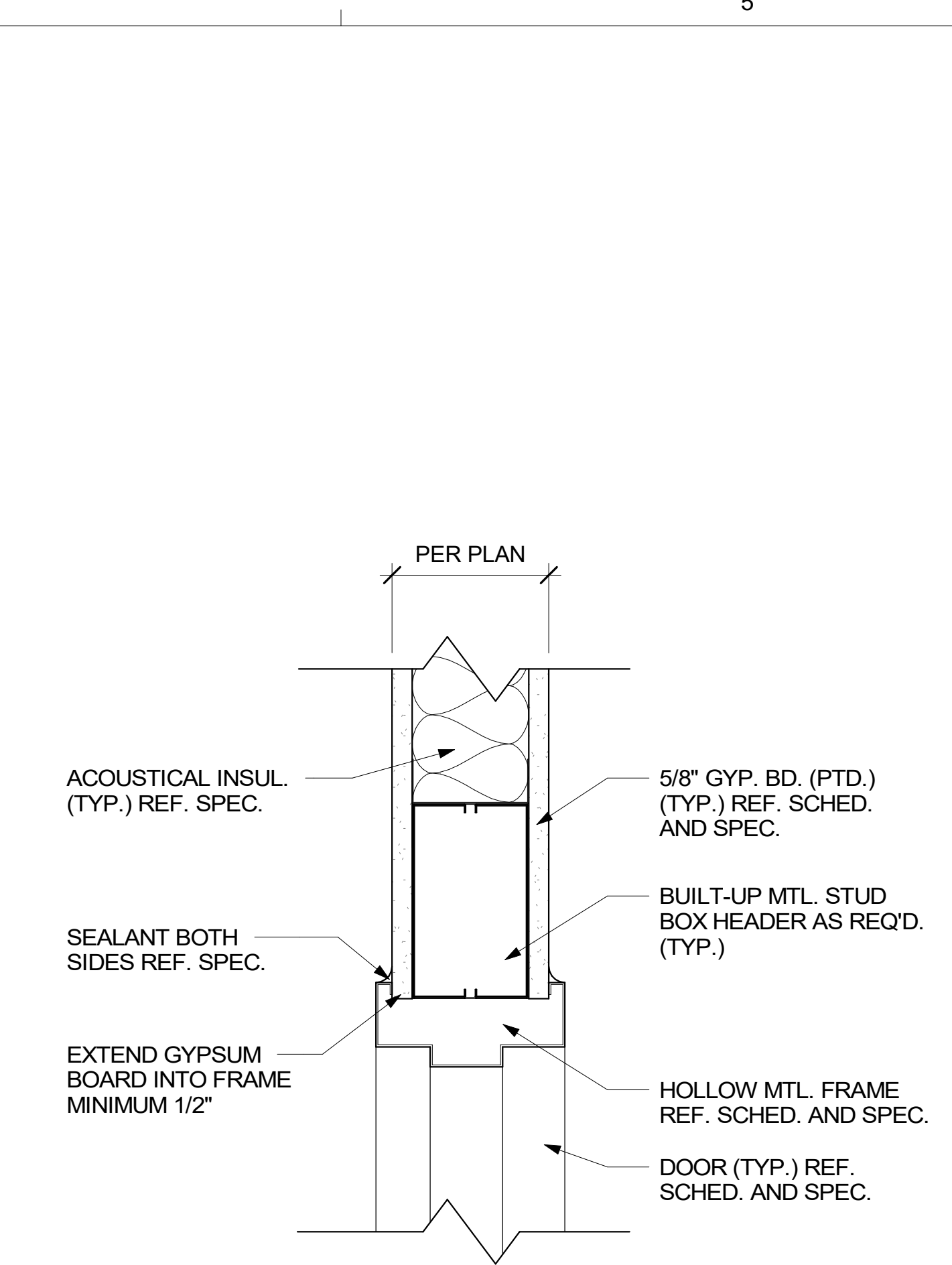




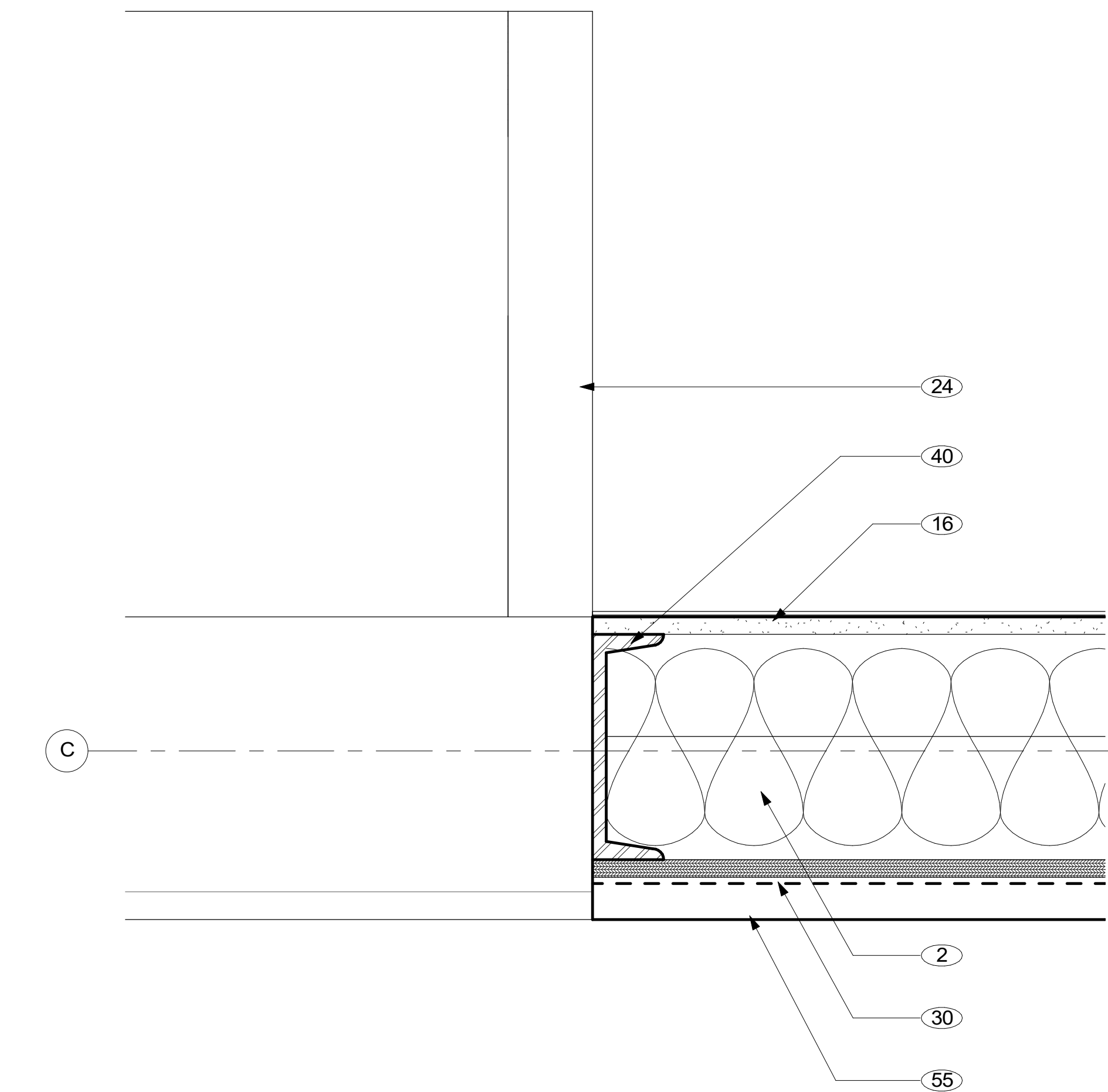
1 OVERHEAD DOOR DETAIL - HEADER
3" = 1'-0"



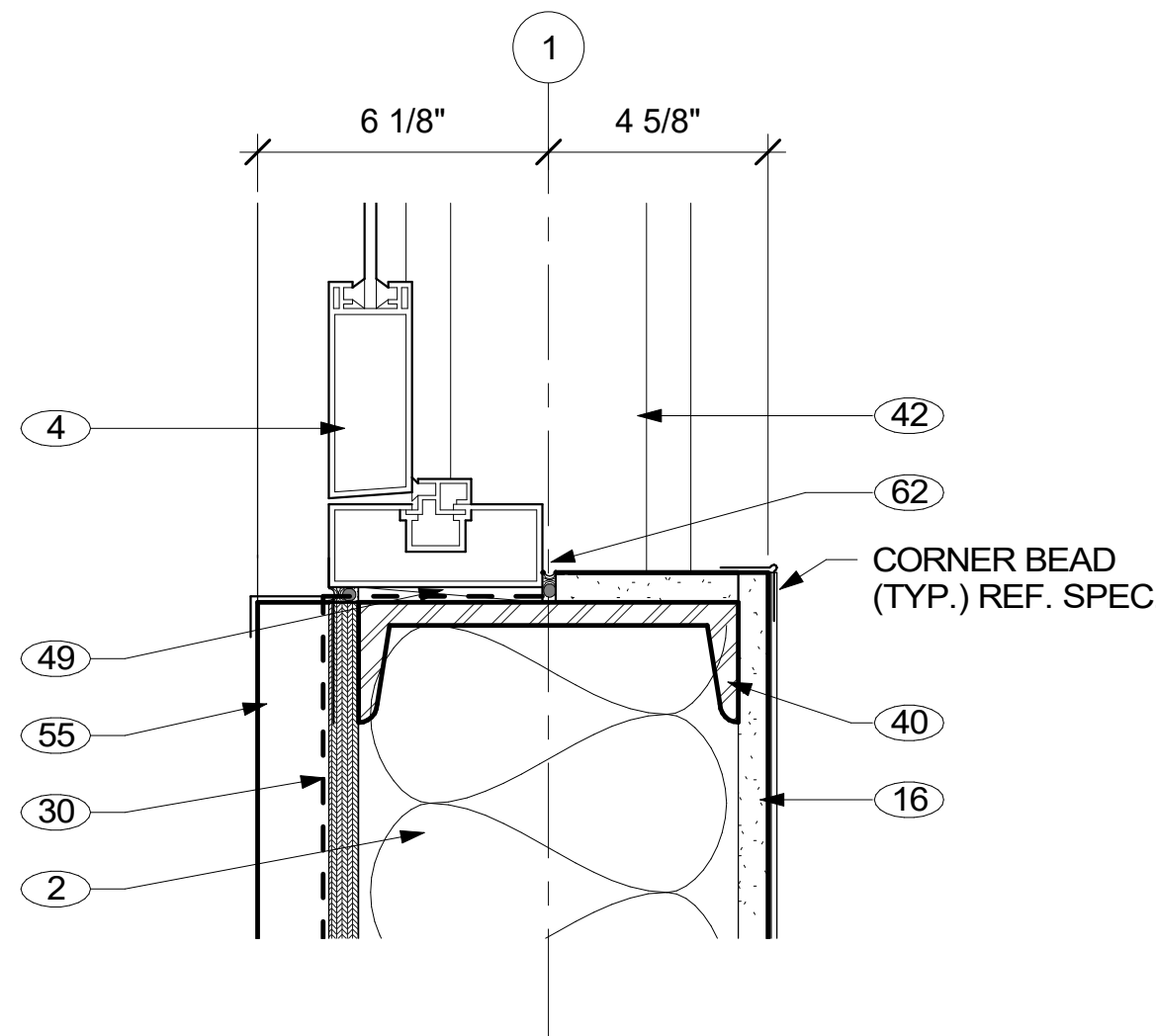
2 EXT. DBL. DOOR - HEADER
3" = 1'-0"



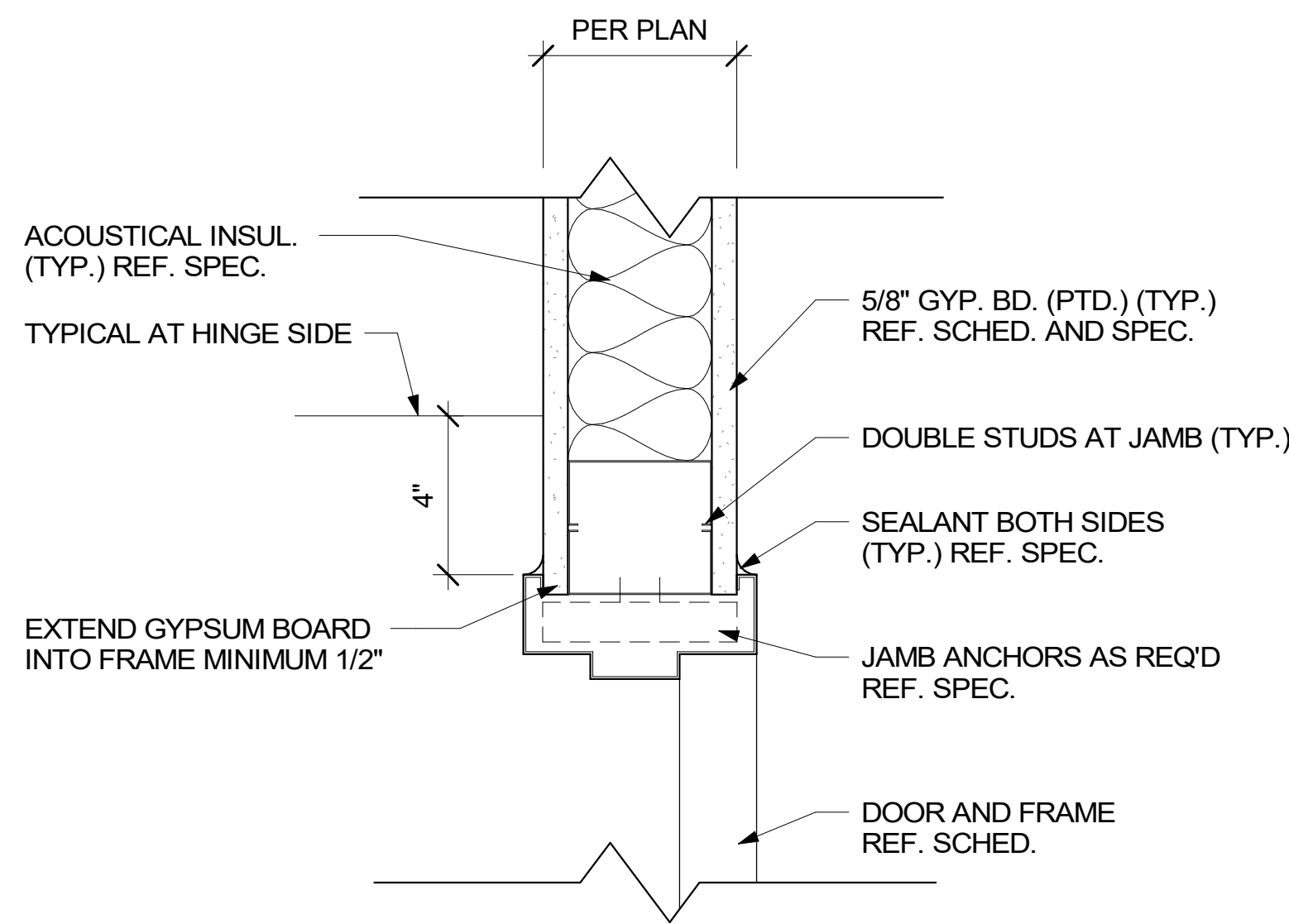
3 INT. DOOR - HEADER
3" = 1'-0"



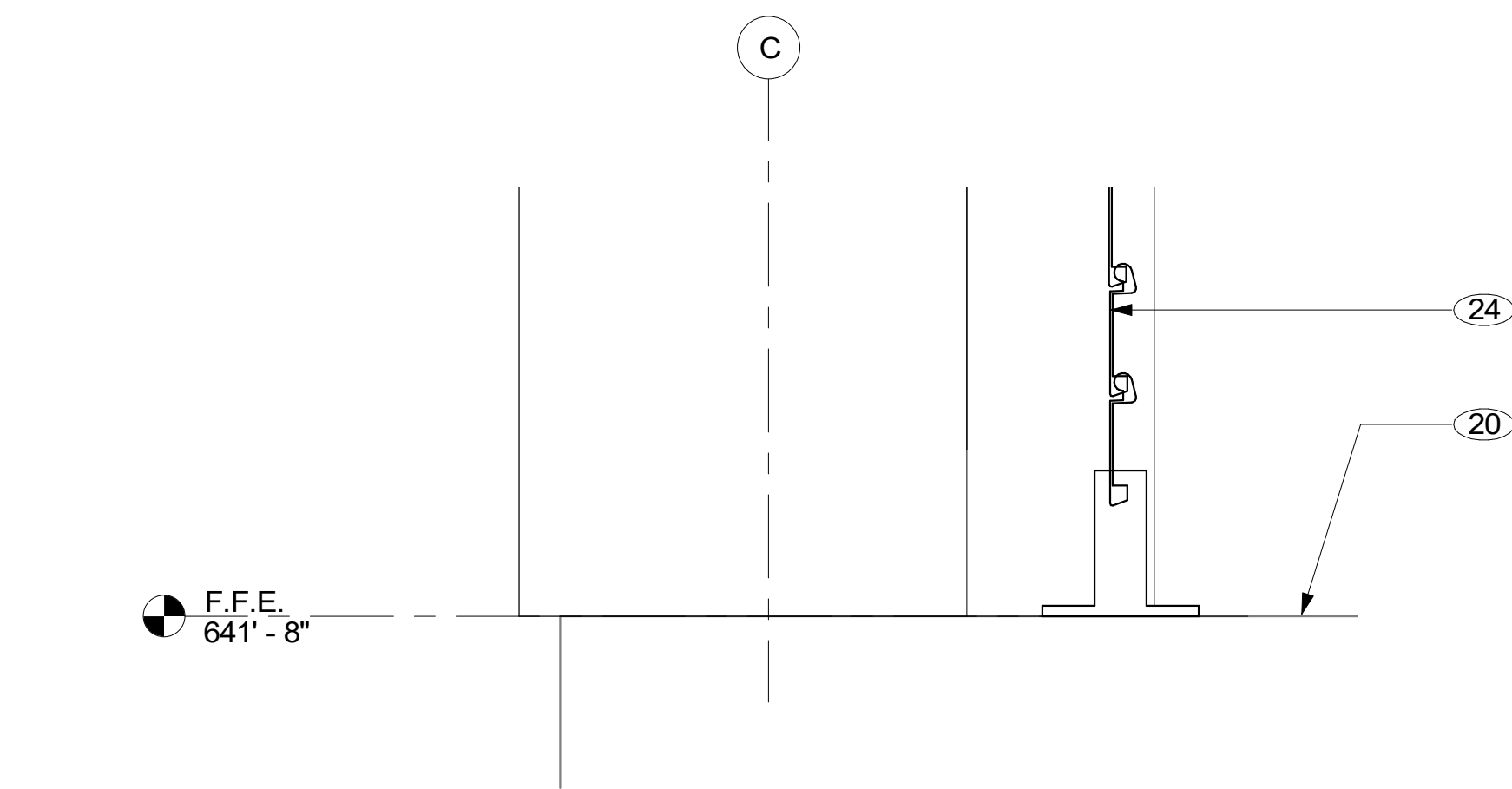
4 OVERHEAD DOOR DETAIL - JAMB
3" = 1'-0"



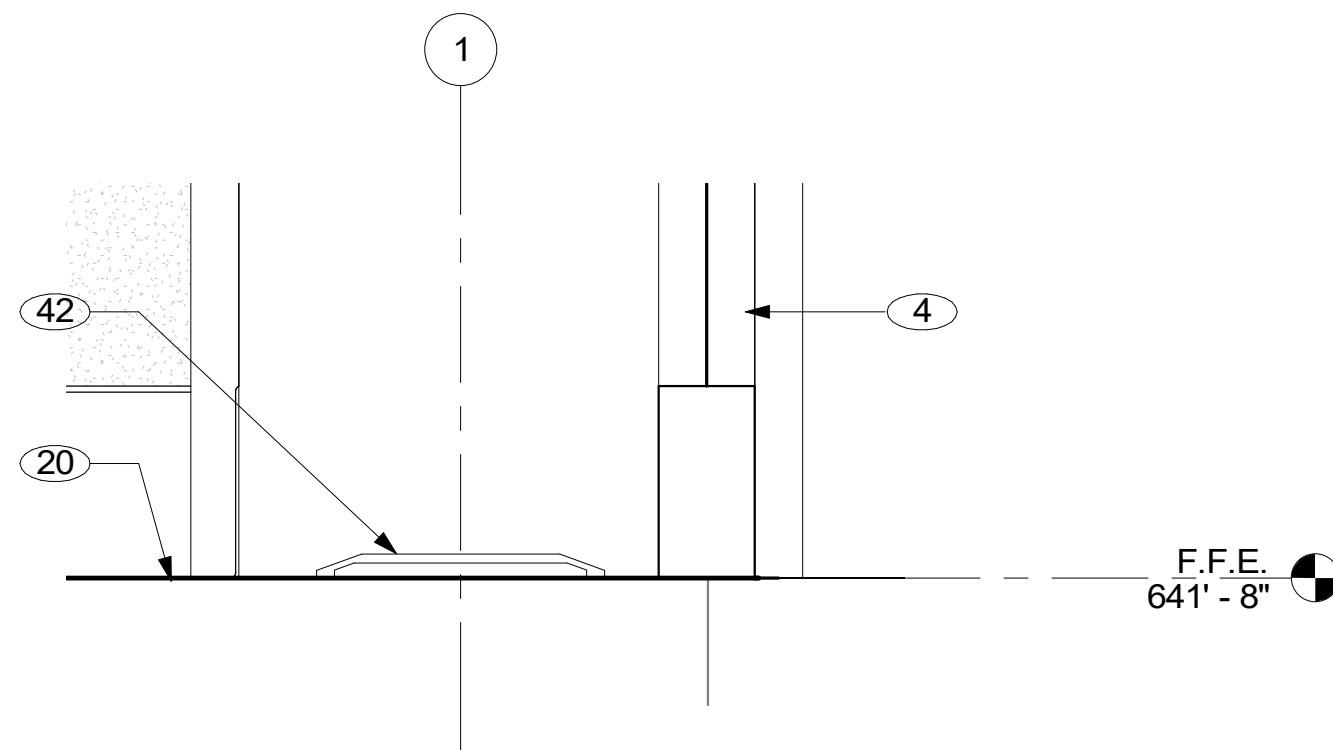
5 EXT. DBL. DOOR - JAMB
3" = 1'-0"



6 INT. DOOR - JAMB
3" = 1'-0"



7 OVERHEAD DOOR DETAIL - THRESHOLD
3" = 1'-0"



8 EXT. DBL. DOOR - THRESHOLD
3" = 1'-0"

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24	OVERHEAD COILING DOOR ATTACHED TO PEMB STRUCT. AS REQ'D REF. SCHED. AND SPEC.
30	WATER RESISTIVE BARRIER OVER 5/8" SHEATHING (TYP.) REF. PARTITION TYPES AND SPEC.
40	8" C-CHANNEL, 14 GA. ATTACHED TO WALL AS REQ'D (TYP.) BY PEMB
42	PREFIN. MTL. THRESHOLD (TYP.) REF. SCHED. AND SPEC.
43	CEILING (TYP.) REF. SCHED. AND SPEC.
49	TREATED WOOD BLOCKING SECURELY ATTACHED AS REQUIRED (TYP.) REF. SPEC.
55	PREFIN. MTL. PANEL REF. EXT. MATERIAL SCHED. AND SPEC.
62	CONT. SEALANT W/ BACKER ROD AS REQUIRED (TYP.) REF. SPEC.

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Revisions

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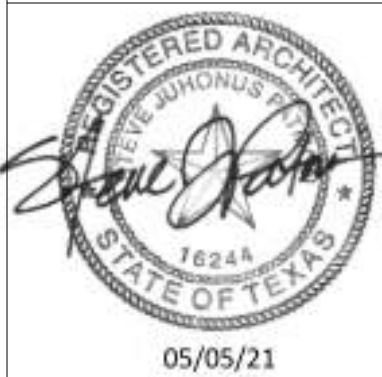
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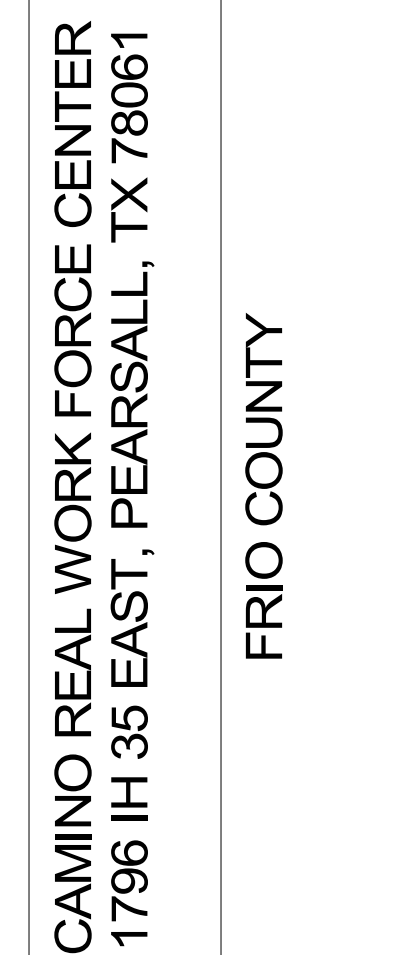
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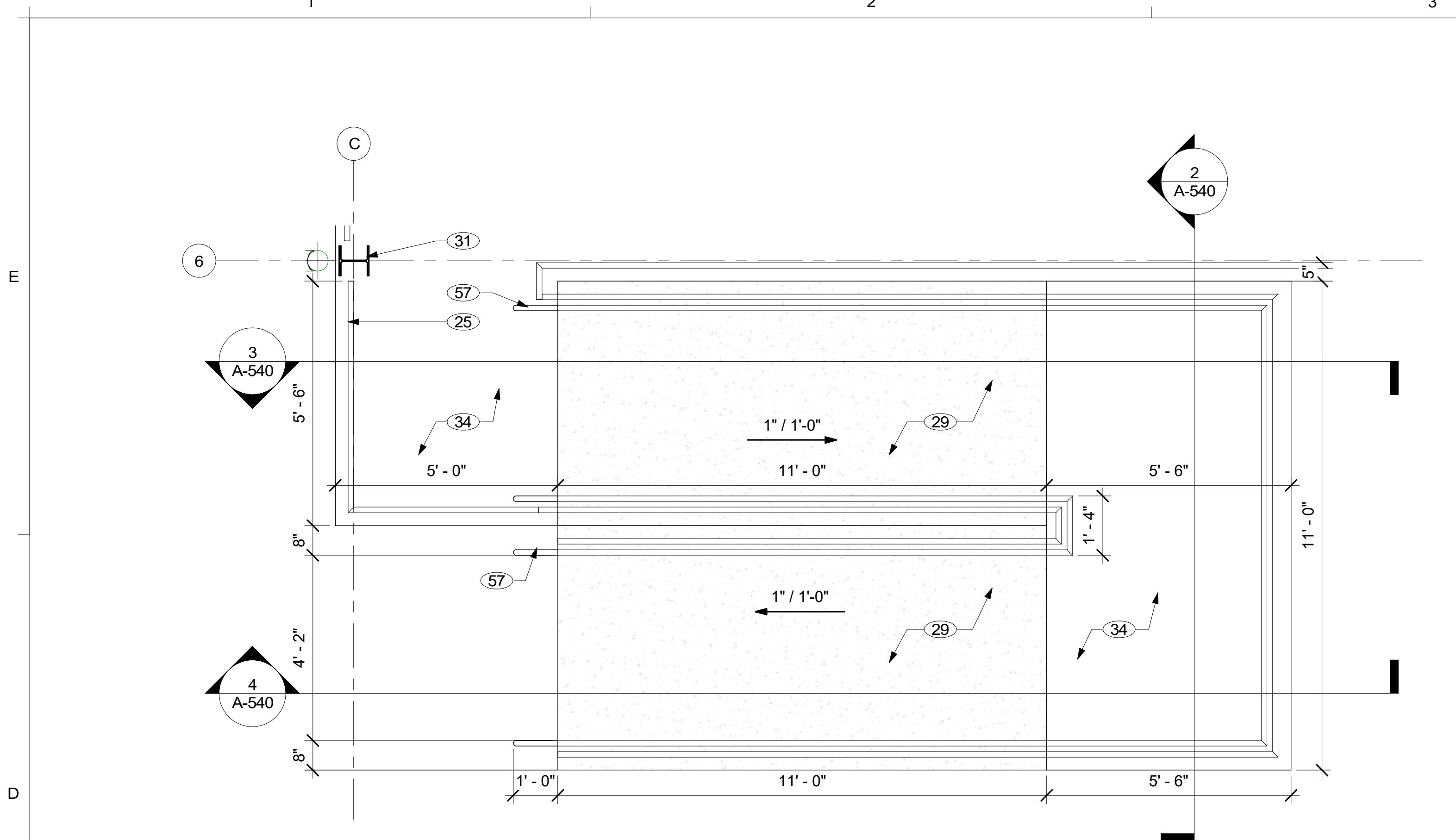
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SAN ANTONIO, TX 78228
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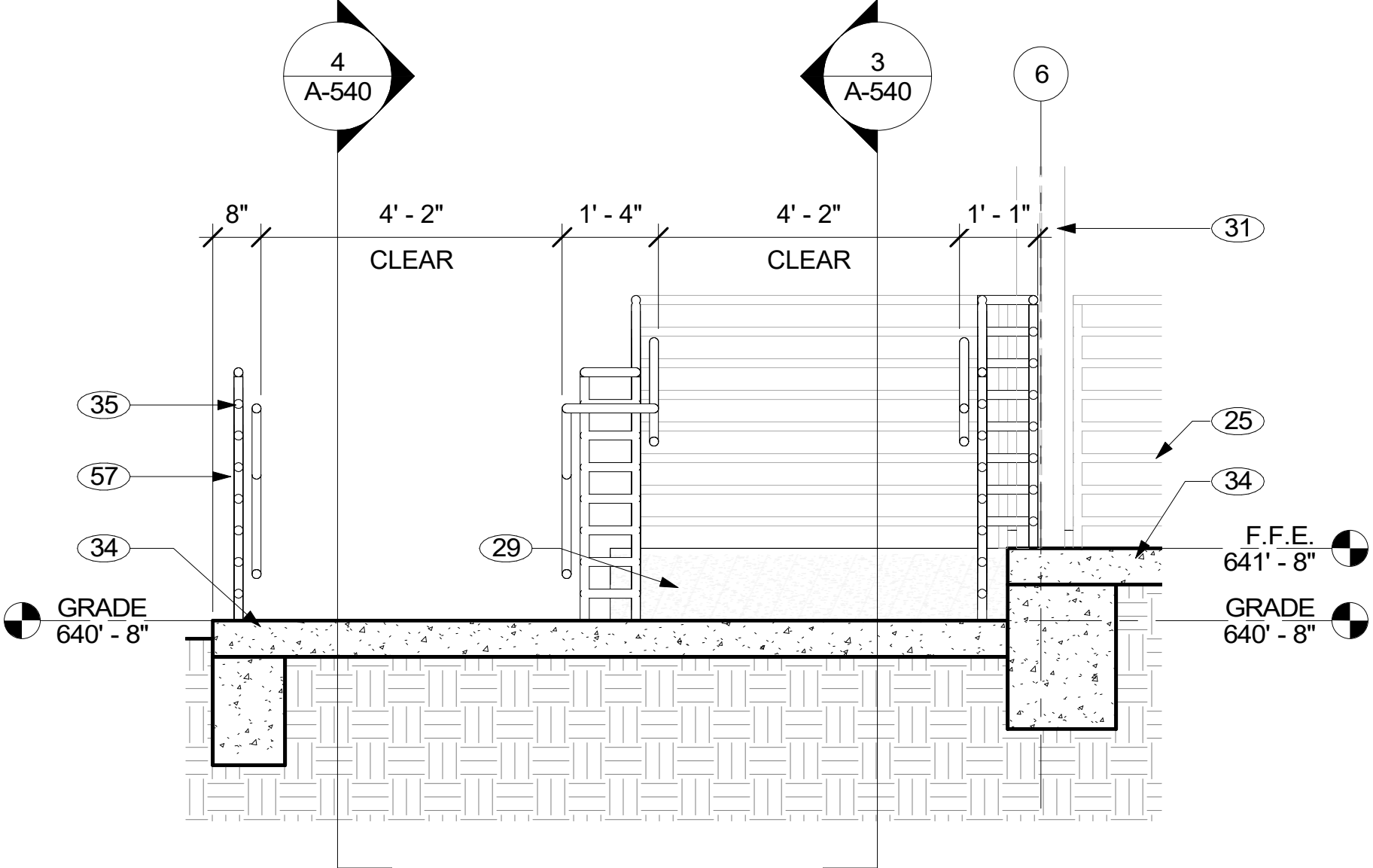
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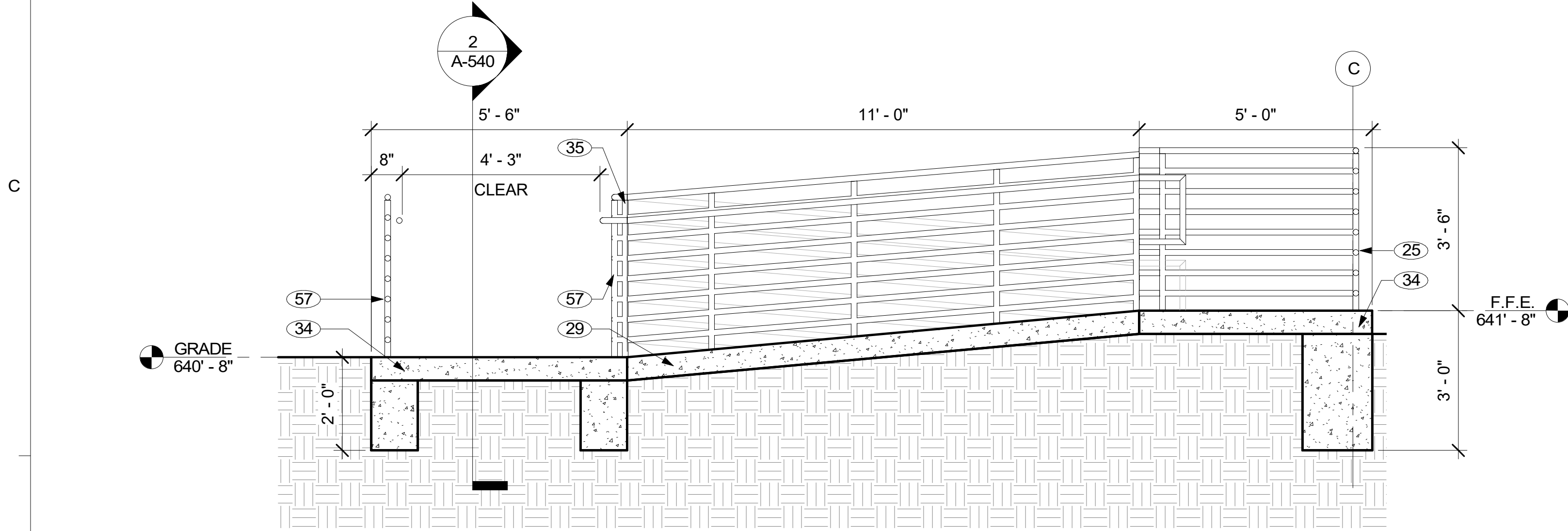
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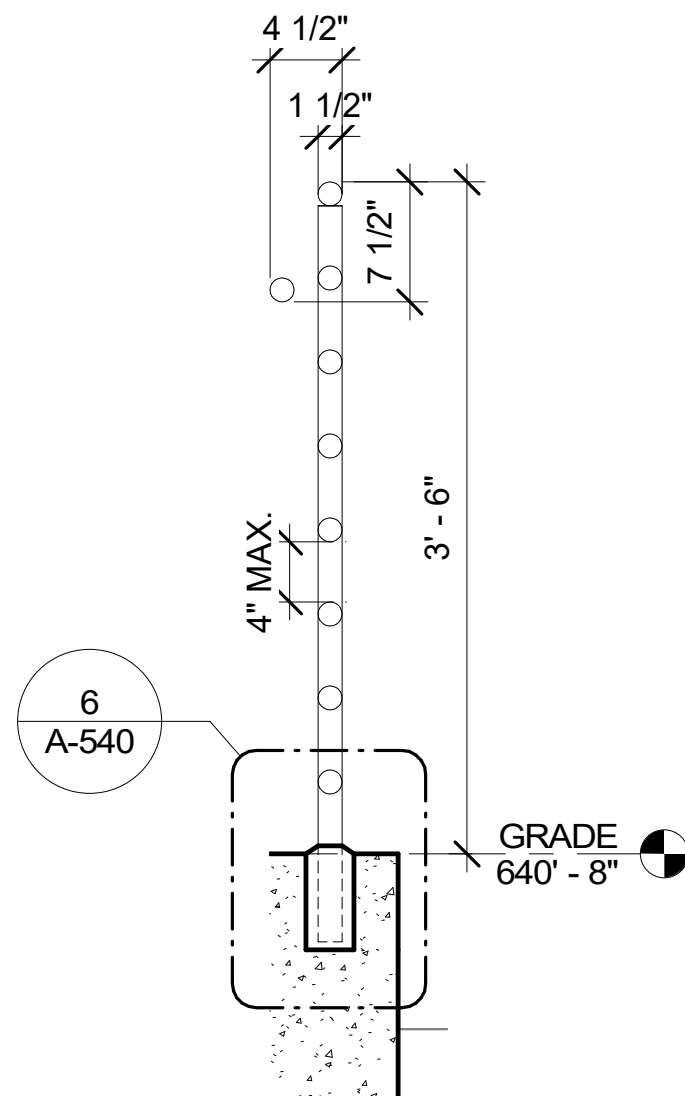
1 1/2" = 1'-0"



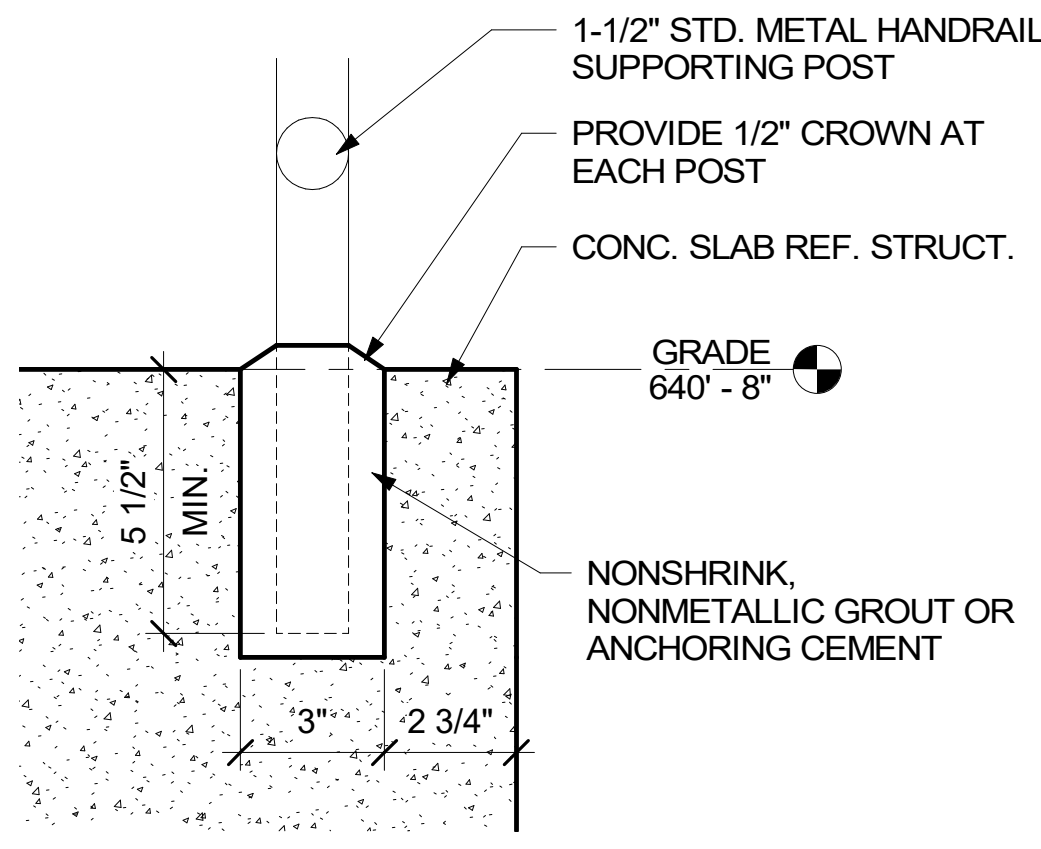
2 1/2" = 1'-0"



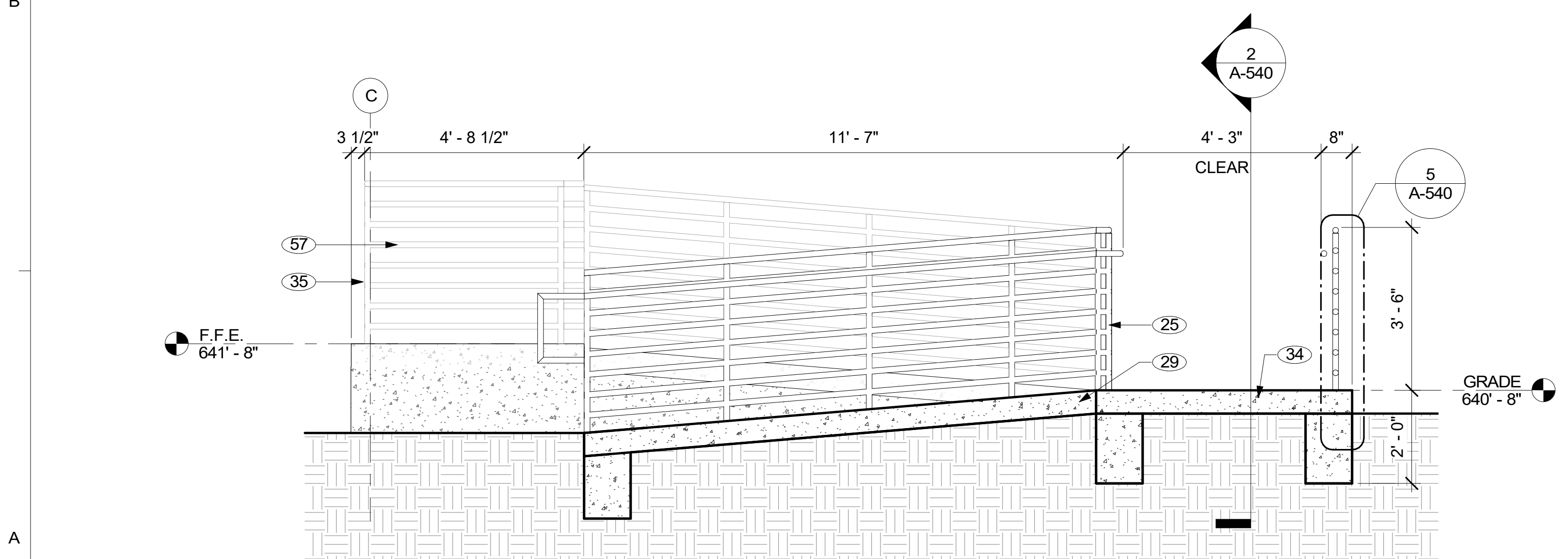
3 1/2" = 1'-0"



5 1" = 1'-0"



6 3" = 1'-0"



4 1/2" = 1'-0"

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SHEET KEYNOTES

NO.	NOTE
25	1-1/2" DIA. STL PIPE GUARDRAIL (TYP.)(PTD.) REF. SPEC.
29	CONCRETE RAMP (SEALED) (TYP.) REF. STRUCT. DWGS
31	STEEL COLUMN (EXPOSED COLUMN CONDITIONS SHALL BE PTD.)(TYP.) REF. PEMB DWGS
34	CONCRETE FOUNDATION (TYP) REF. STRUCT. DWGS
35	PIPE RAILING VERTICALS TO BE CORE DRILLED AND GROUT FILLED (TYP.) AT 4'-0" O.C. MAX.
57	1-1/2" DIA. STL. PIPE GUARDRAIL W/ 1-1/2" MAX. DIA. HANDRAIL (TYP.)(PTD.) REF. SPEC.



Revisions

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FRIO COUNTY

EXTERIOR
CIRCULATION
PLANS AND
SECTIONS

IFC SUBMITTAL
Scale: As Indicated
020-004-000
05/05/2021

A-540

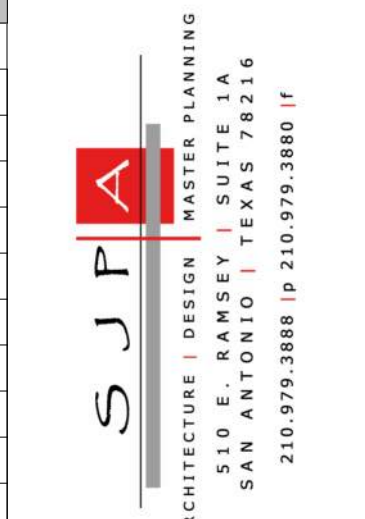
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DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	FINISH	GLAZING	FRAME TYPE	FRAME FINISH	HARDWARE SET	HEAD	JAMB	THRESHOLD	FIRE RATING	COMMENTS
100.1	CORRIDOR	A3	6' - 0"	7' - 0"	2"	HM (PTD.)	STOREFRONT	1.3	HM (PTD.)	6	2/A-509	5/A-509	8/A-509	-	-
101.1	OFFICE	A5	3' - 0"	7' - 0"	1 3/4"	SCWD	VISION	1.1	HM (PTD.)	2	3/A-509	6/A-509		-	-
102.1	OFFICE	A5	3' - 0"	7' - 0"	1 3/4"	SCWD	VISION	1.1	HM (PTD.)	2	3/A-509	6/A-509		-	-
103.1	OFFICE	A5	3' - 0"	7' - 0"	1 3/4"	SCWD	VISION	1.1	HM (PTD.)	2	3/A-509	6/A-509		-	-
104.1	CONFERENCE ROOM	A5	3' - 0"	7' - 0"	1 3/4"	SCWD	VISION	1.1	HM (PTD.)	7	3/A-509	6/A-509		-	ACCESS CONTROLLED
105.1	COPY / COFFEE	-	3' - 6"	7' - 0"	3 5/8"	-	-	-	-	-	1/A-510	2/A-510		-	CASED OPENING
106.1	KITCHEN	A1	3' - 0"	7' - 0"	1 3/4"	SCWD	-	1.1	HM (PTD.)	5	3/A-509	6/A-509		-	-
107.1	IT / ELECT. ROOM	A2	3' - 0"	7' - 0"	1 3/4"	HM (PTD.)	-	1.1	HM (PTD.)	7				-	ACCESS CONTROLLED
107.2	IT / ELECT. ROOM	A2	3' - 0"	7' - 0"	1 3/4"	HM (PTD.)	-	1.2	HM (PTD.)	7	4/A-510			-	ACCESS CONTROLLED
108.1	JANITOR'S ROOM	A2	3' - 0"	7' - 0"	1 3/4"	HM (PTD.)	-	1.1	HM (PTD.)	3				-	-
109.1	LAUNDRY ROOM	A5	3' - 0"	7' - 0"	1 3/4"	SCWD	VISION	1.1	HM (PTD.)	4	3/A-509	6/A-509		-	-
110.1	CHANGING ROOM	A5	3' - 0"	7' - 0"	1 3/4"	SCWD	VISION	1.1	HM (PTD.)	4	3/A-509	6/A-509		-	-
112.1	WOMEN'S TOILETS	-	3' - 6"	7' - 0"	3 5/8"	-	-	-	-	-	1/A-510	2/A-510	3/A-510	-	CASED OPENING
113.1	MEN'S TOILETS	-	3' - 6"	7' - 0"	3 5/8"	-	-	-	-	-	1/A-510	2/A-510	3/A-510	-	CASED OPENING
114.1	STORAGE	A1	3' - 0"	7' - 0"	1 3/4"	SCWD	-	1.1	HM (PTD.)	5	3/A-509	6/A-509		-	ACCESS CONTROLLED
115.1	OPEN AREA	A3	6' - 0"	7' - 0"	2"	ALUM.	-	1.3	HM (PTD.)	6	2/A-509	5/A-509	8/A-509	-	ACCESS CONTROLLED
115.2	OPEN AREA	OH	9' - 0"	9' - 11 5/8"	0"	HM (PTD.)	-	2.0	GALV.	1	1/A-509	4/A-509	7/A-509	-	DOOR TO BE INSULATED
115.3	OPEN AREA	A2	3' - 0"	7' - 0"	1 3/4"	HM (PTD.)	-	1.2	HM (PTD.)	8	4/A-510			-	-
115.4	CORRIDOR	-	3' - 6"	7' - 0"	3 5/8"	-	-	-	-	-	1/A-510	2/A-510		-	CASED OPENING
115.5	KITCHEN	-	3' - 6"	7' - 0"	3 5/8"	-	-	-	-	-	1/A-510	2/A-510		-	CASED OPENING

WINDOW SCHEDULE

MARK	ROOM NAME	DESCRIPTION	WIDTH	HEIGHT	SILL HEIGHT	FRAME TYPE	HEAD	JAMB	SILL
W1	OFFICE	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	OPEN AREA	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	OPEN AREA	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	DAY ROOM	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	DAY ROOM	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	DAY ROOM	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	DAY ROOM	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	DINING	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	DINING	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	OPEN AREA	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	OPEN AREA	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	OPEN AREA	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W1	OPEN AREA	FIXED WINDOW	3' - 0"	5' - 0"	2' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	OFFICE	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	OFFICE	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	OFFICE	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	CONFERENCE ROOM	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	CONFERENCE ROOM	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	KITCHEN	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	KITCHEN	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W2	LAUNDRY ROOM	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	2/A-508	6/A-508	4/A-508
W3	KITCHEN	SERVICE WINDOW	16' - 0"	4' - 0"	3' - 0"	ALUMINUM	1/A-508	5/A-508	3/A-508
W4	KITCHEN	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	-	-	-
W4	KITCHEN	FIXED WINDOW	3' - 0"	4' - 0"	3' - 0"	ALUMINUM	-	-	-



Revisions		
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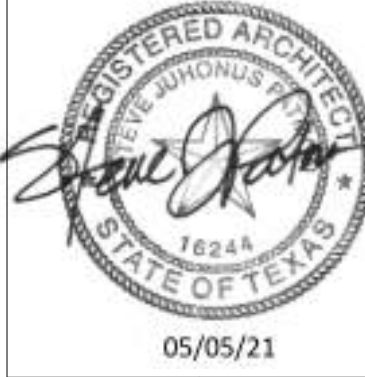
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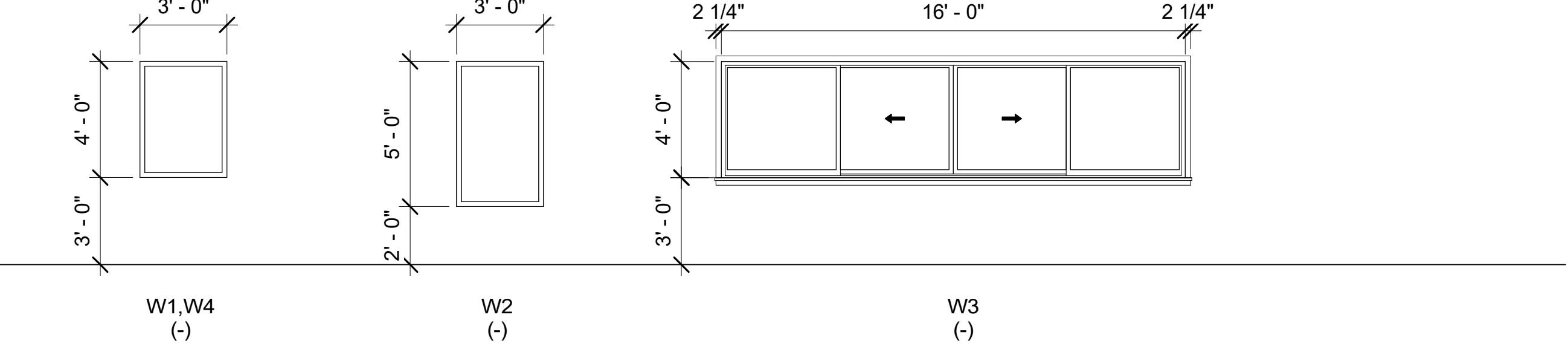
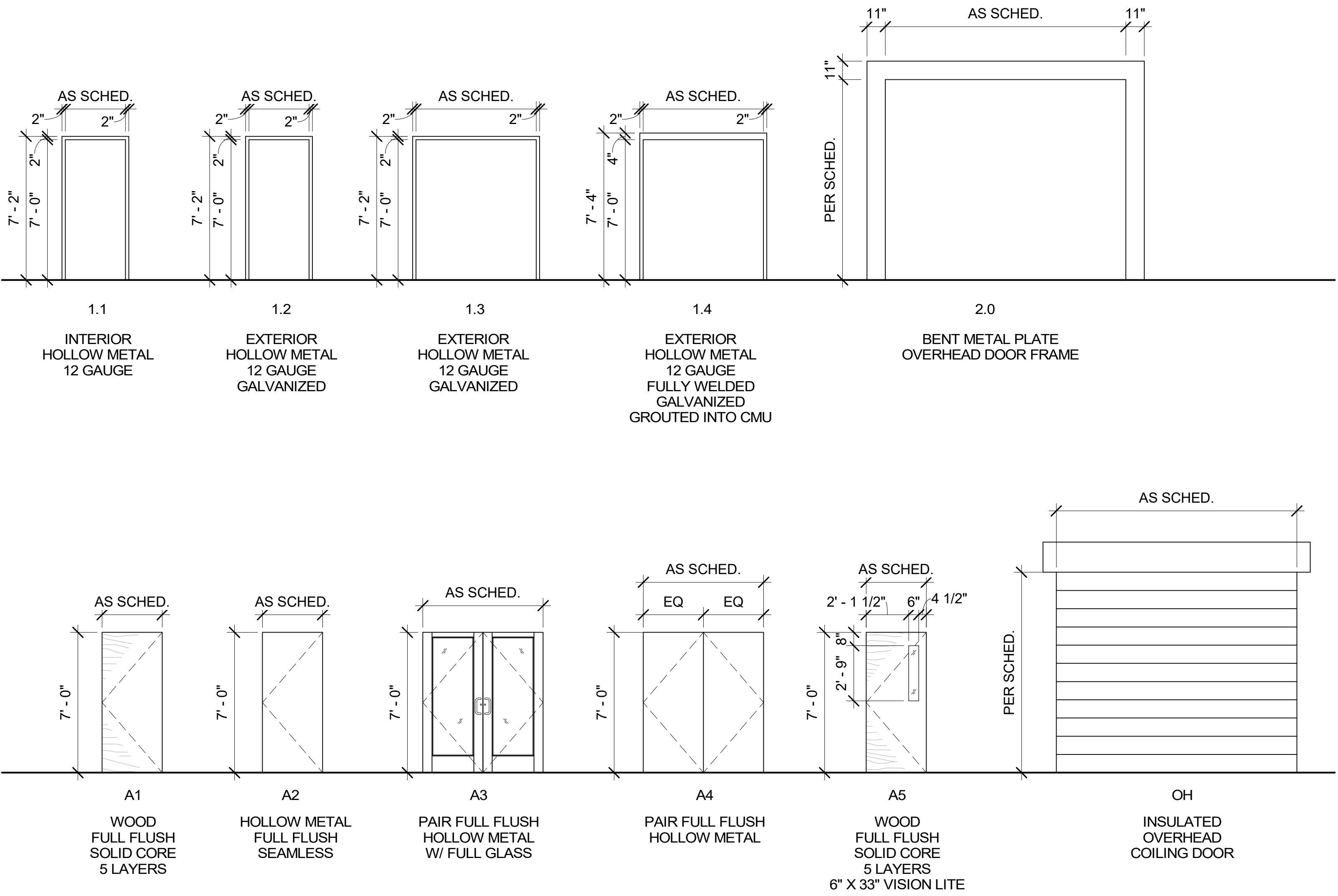


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FRIO COUNTY

DOOR & WINDOW SCHEDULE

IFC SUBMITTAL
Scale: As Indicated
020-004-000
05/05/2021

A-600



WINDOW TYPES

1/4" = 1'-0"

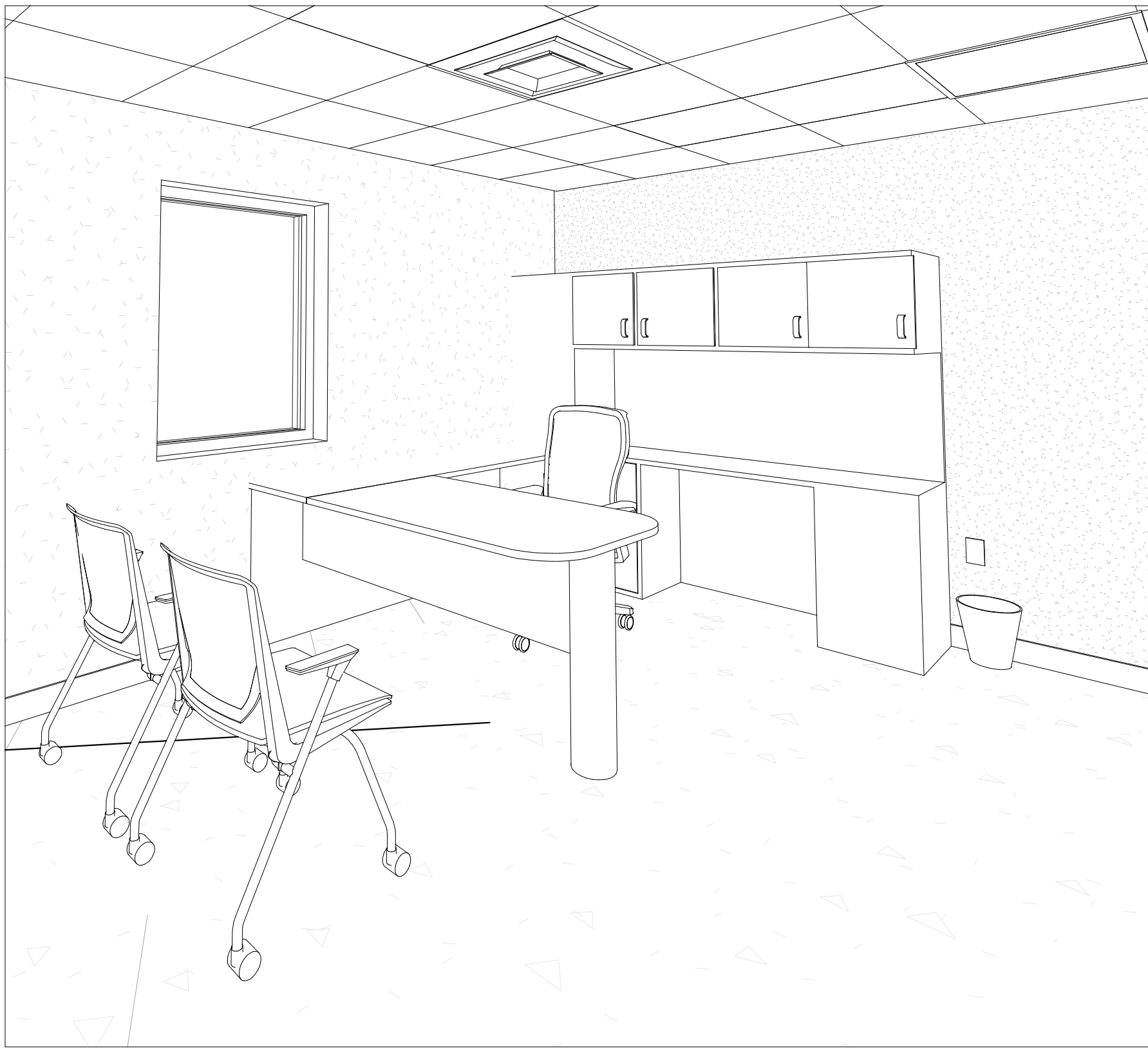
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1 CONFERENCE ROOM



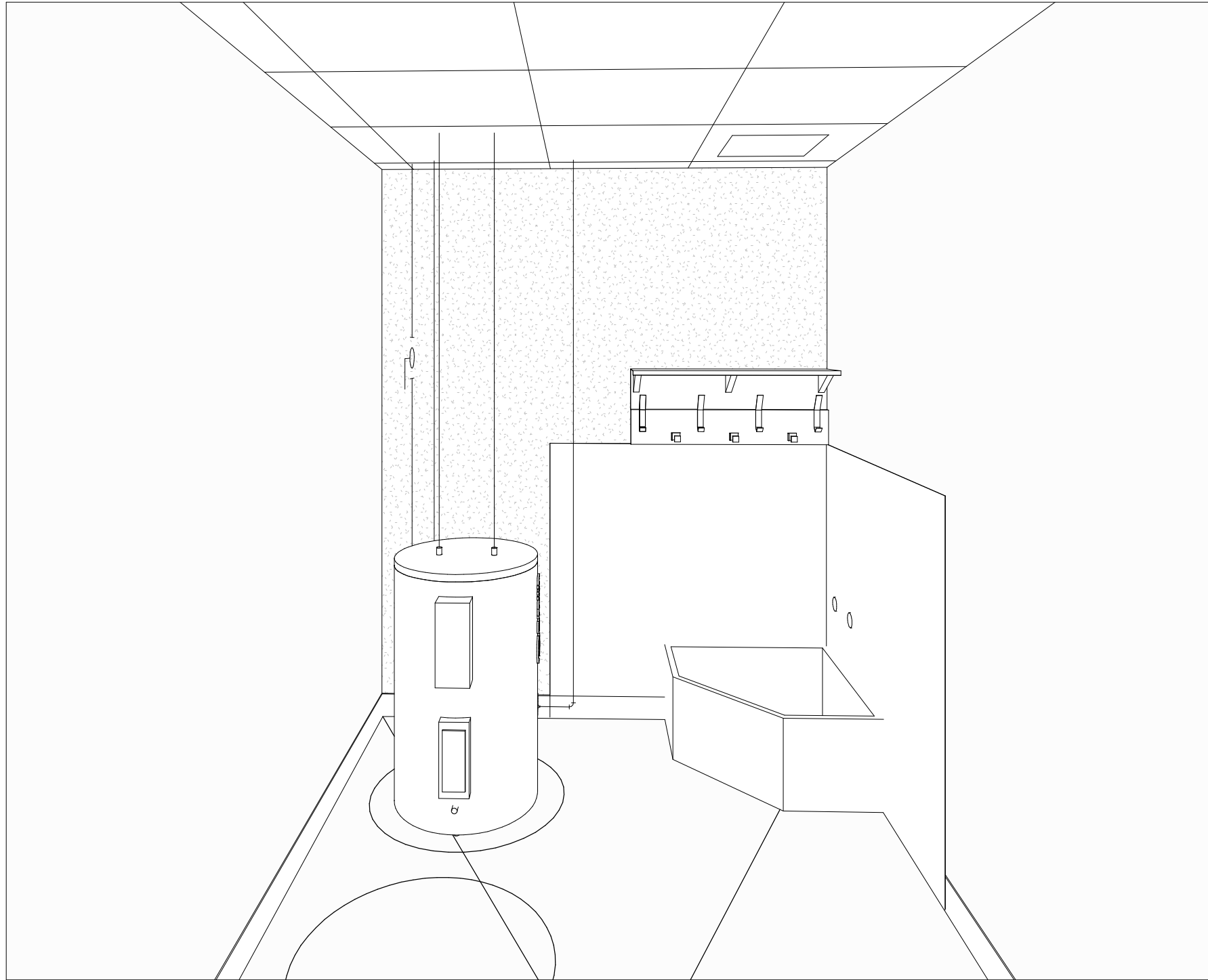
2 COPY/COFFEE



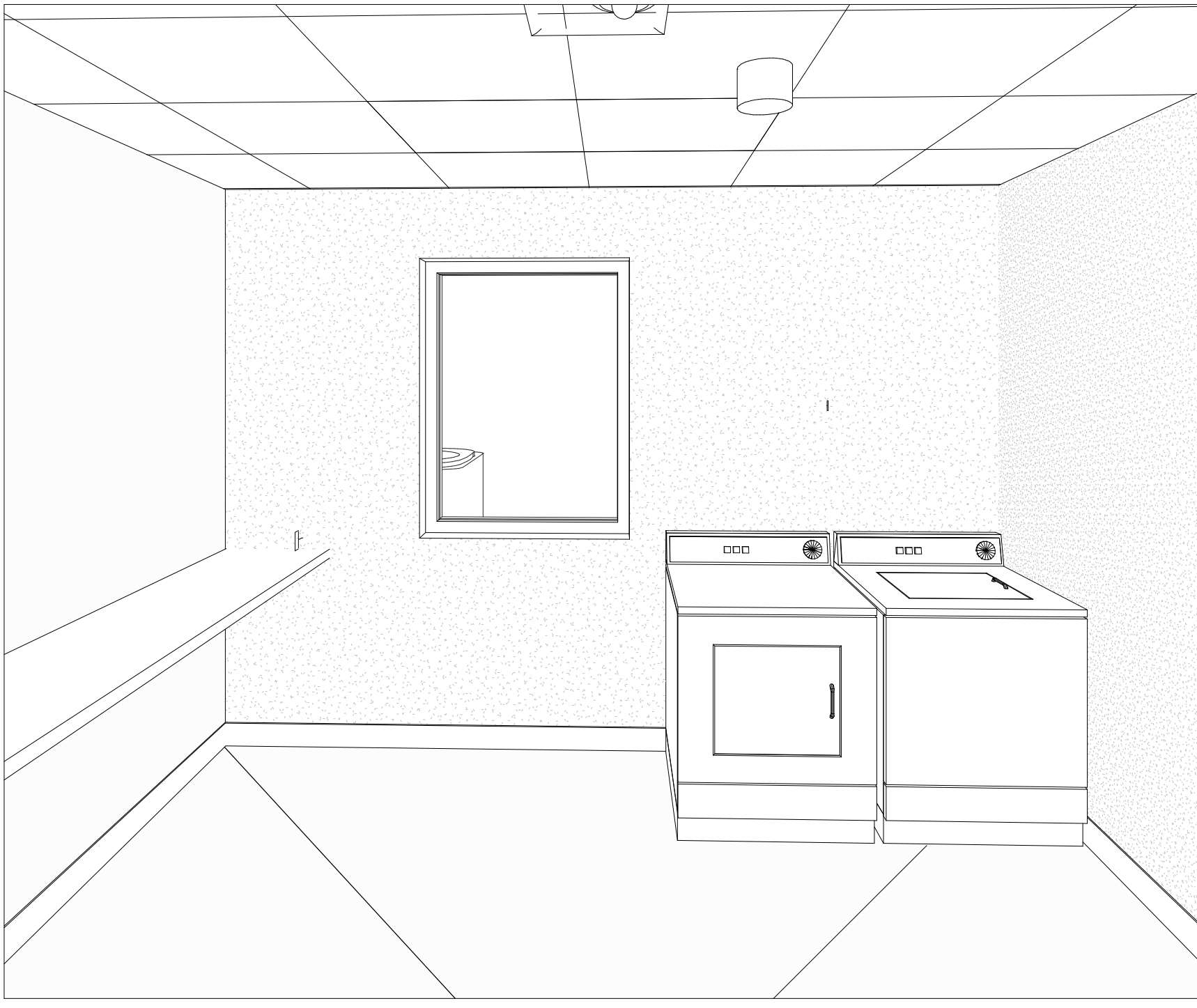
3 OFFICE 101



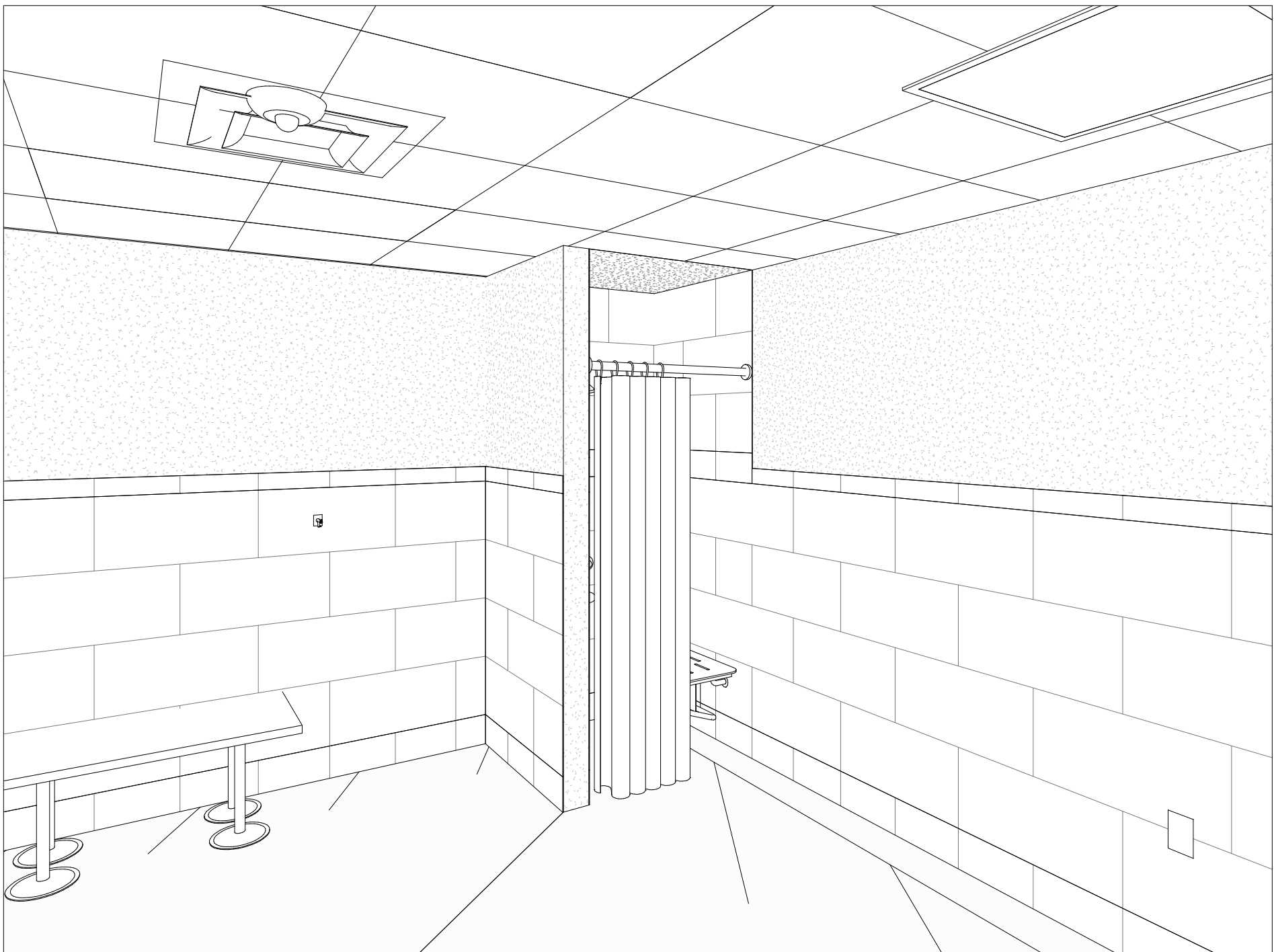
4 KITCHEN



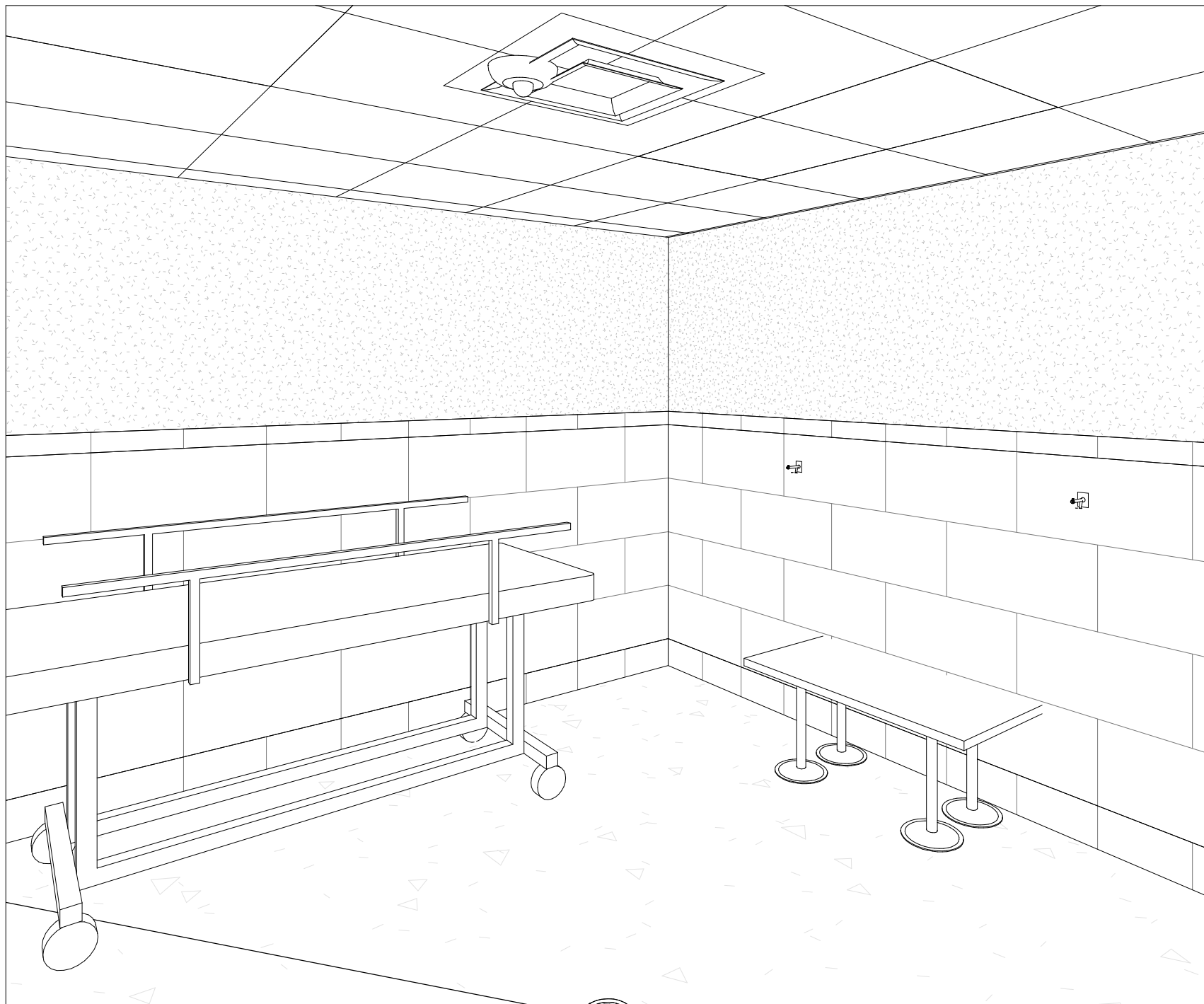
5 JANITOR'S ROOM



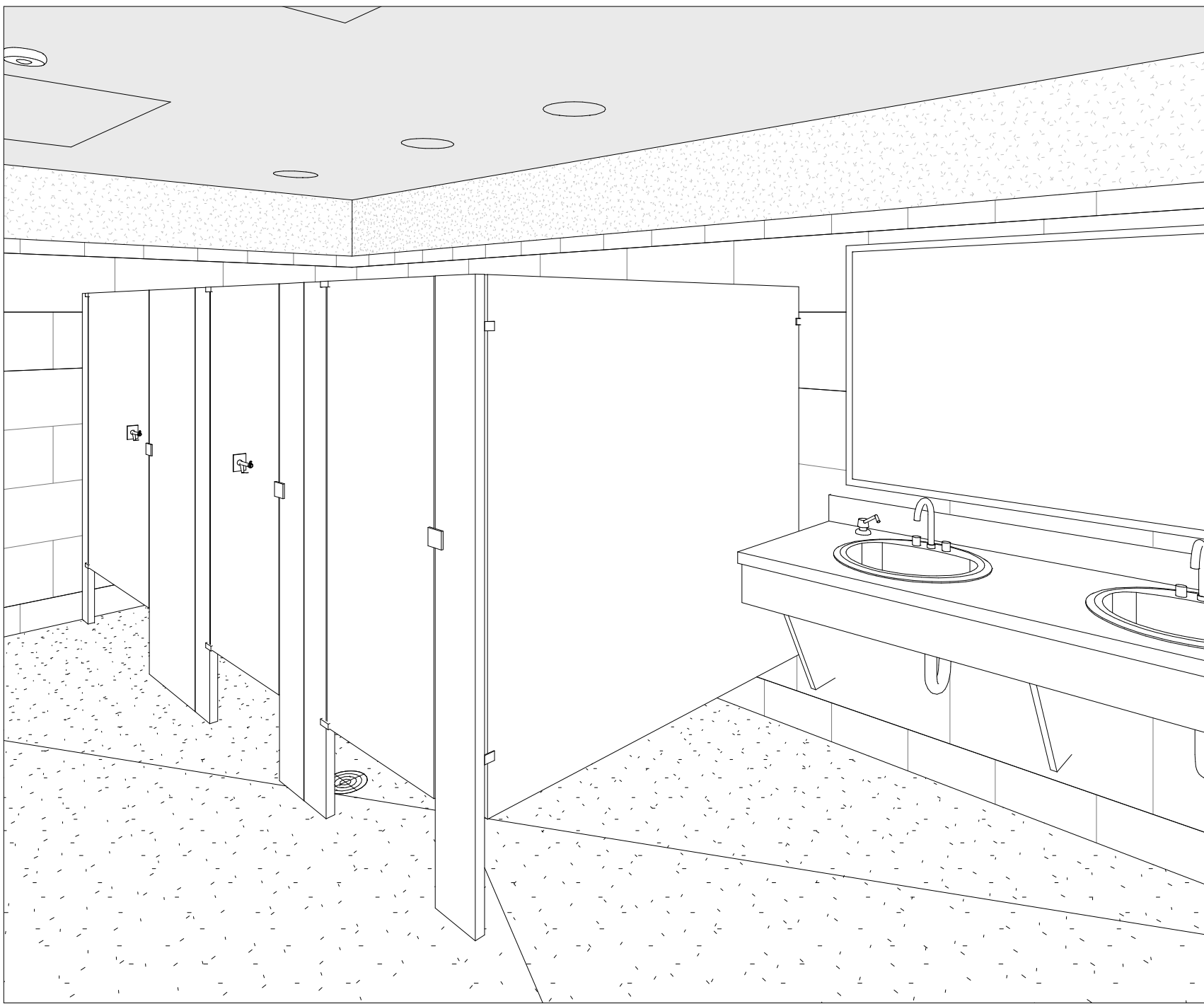
6 LAUNDRY ROOM



7 CHANGING ROOM



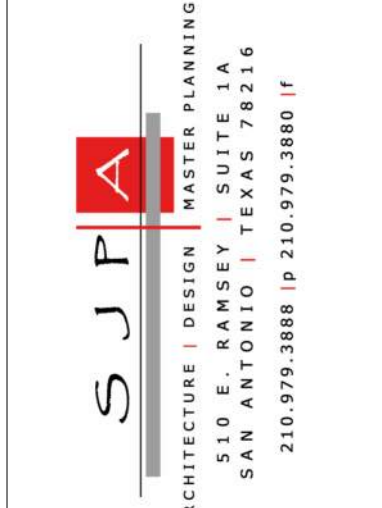
8 CHANGING ROOM



9 WOMEN'S TOILETS

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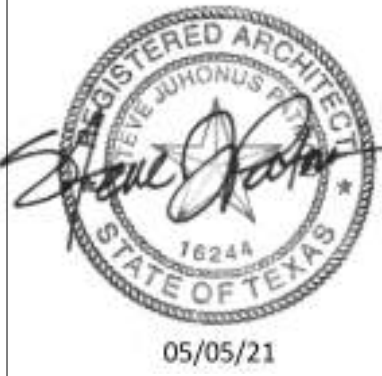
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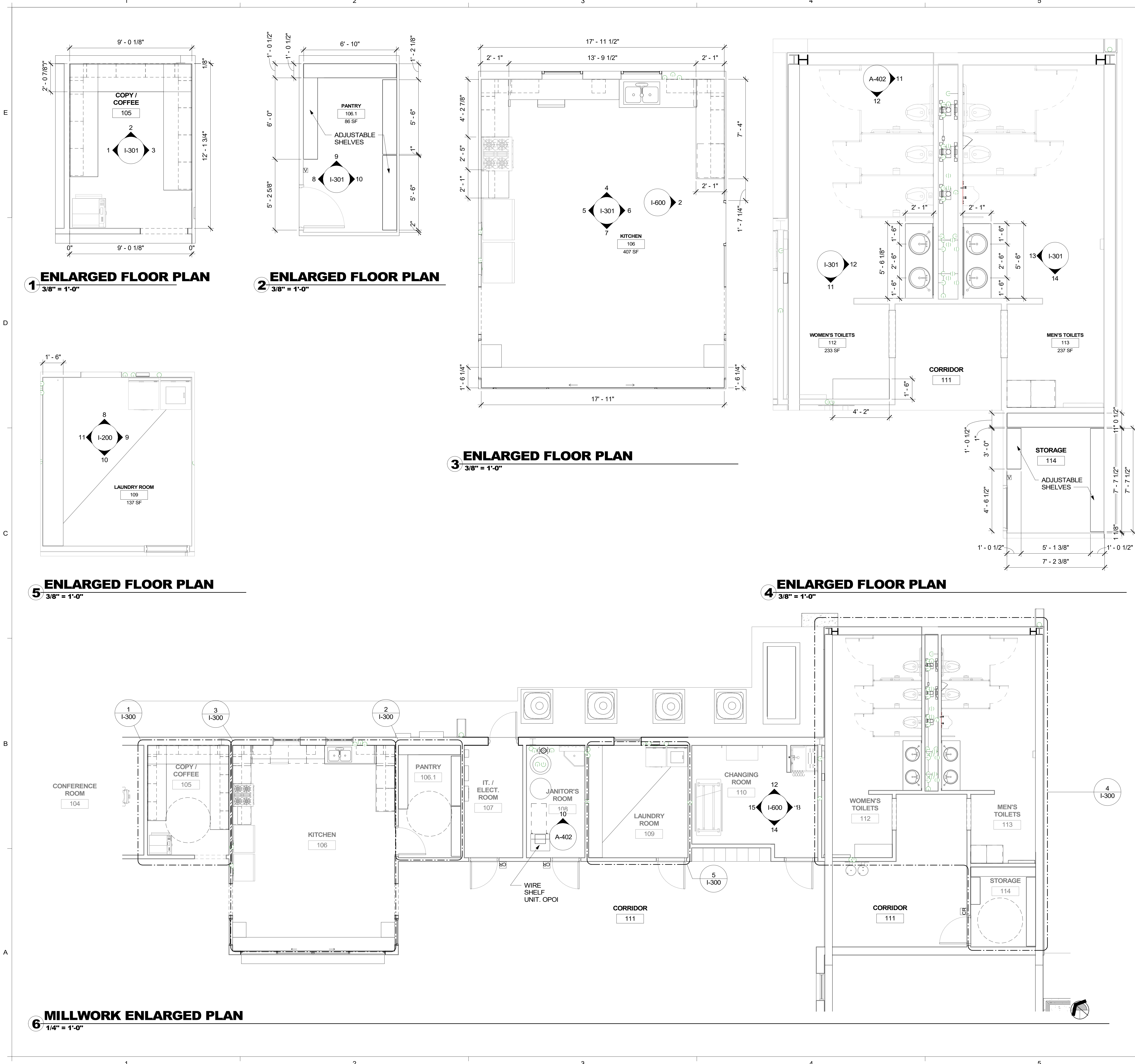
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Frio County

INTERIOR
PERSPECTIVE
VIEWS

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Revisions

#	Description	Date

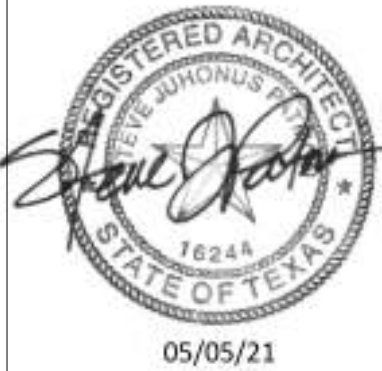
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1796 IH 35 EAST, PEARSALL, TX 78061

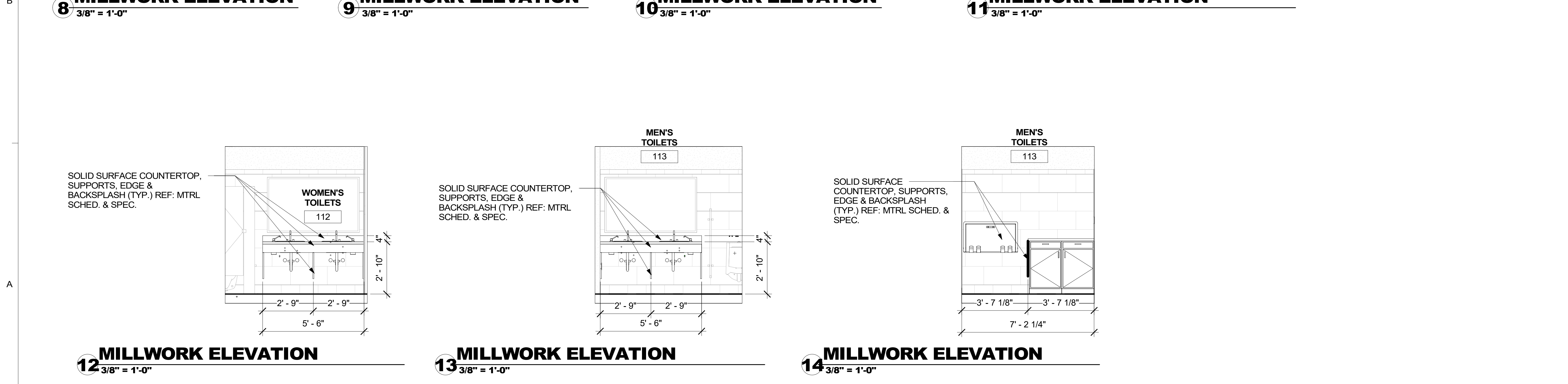
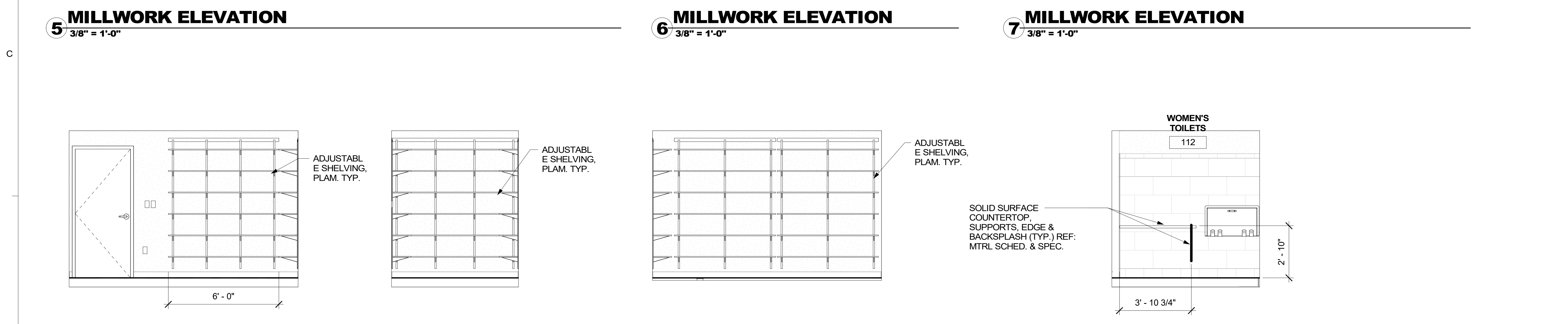
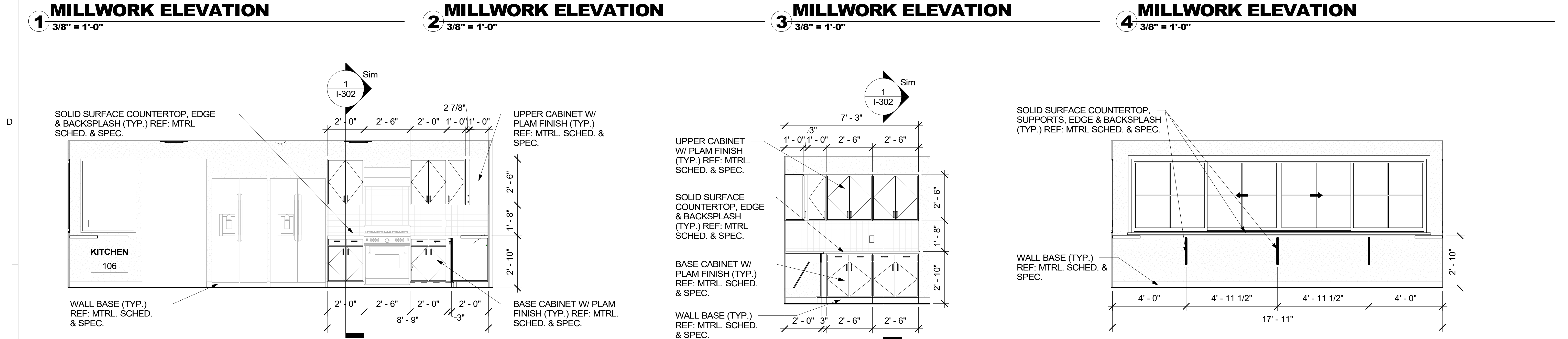
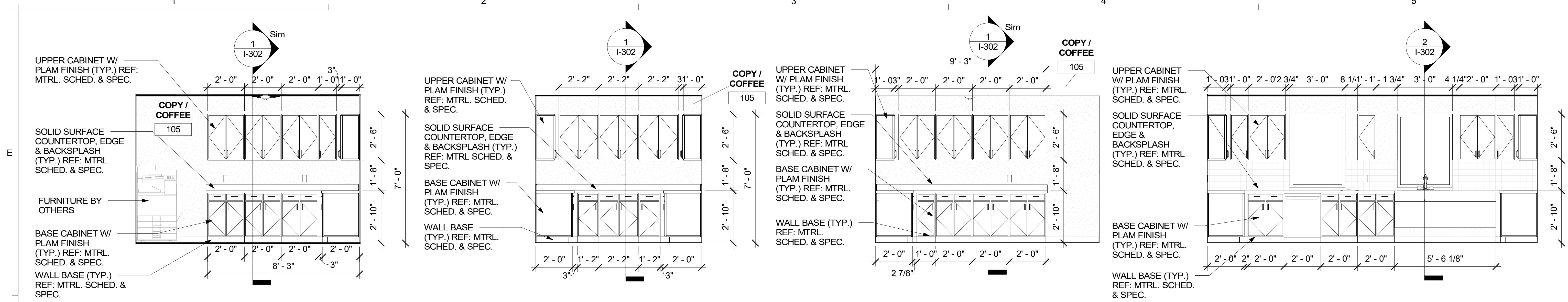
FRIO COUNTY

OVERALL
AND
ENLARGED
MILLWORK
PLANS

IFC SUBMITTAL
Scale: As Indicated
020-004-000
05/05/2021

I-300

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GENERAL NOTES (GN)

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16244
STATE OF TEXAS
05/05/21

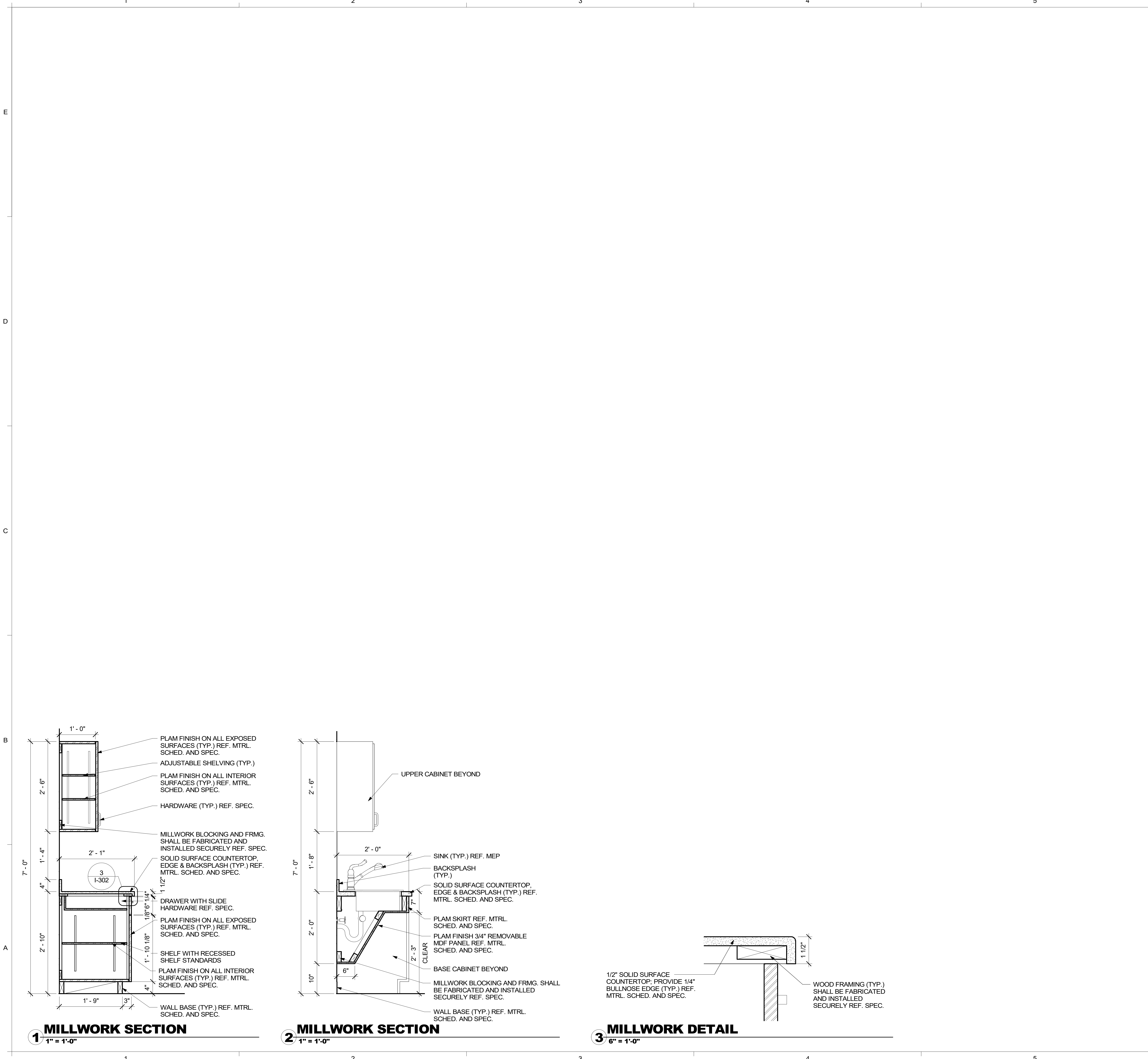
CAMINO REAL WORK FORCE CENTER
1796 IH 35 EAST, PEARSALL, TX 78061

FRIO COUNTY

MILLWORK ELEVATIONS

IFC SUBMITTAL
Scale: As Indicated
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05/05/2021

I-301



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FRIO COUNTY

MILLWORK SECTIONS AND DETAILS

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PAINT SELECTION SCHEDULE

NO.	MATERIAL	LOCATION	DESCRIPTION/ COLOR/ STYLE
PT 1	WALL PAINT	PAINTED SURFACES	SHERWIN WILLIAMS: SW7072 ONLINE
PT 2	WALL PAINT	PAINTED SURFACES	SHERWIN WILLIAMS: SW7665 WALL STREET
PT 3	FRAME PAINT	PAINTED SURFACES	SHERWIN WILLIAMS: SW7076 CYBERSPACE
PT 4	CEILING PAINT	GYP. BD. CELING SURFACES	SHERWIN WILLIAMS: SW7006 EXTRA WHITE

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FRIO COUNTY

ENLARGED FLOOR FINISH AND PAINT PLANS

IFC SUBMITTAL

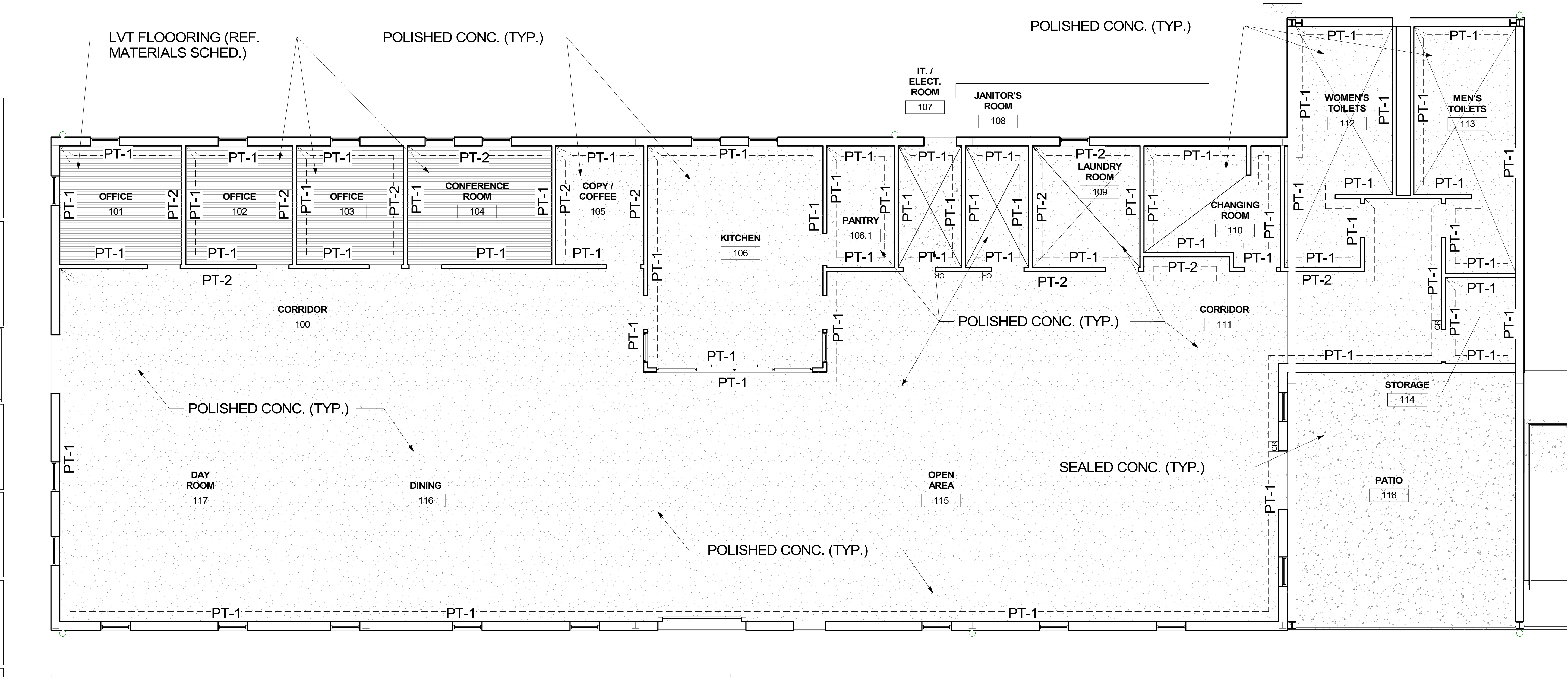
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1 ENLARGED FLOOR FINISH AND PAINT PLAN
3/16" = 1'-0"

ROOM FINISH SCHEDULE

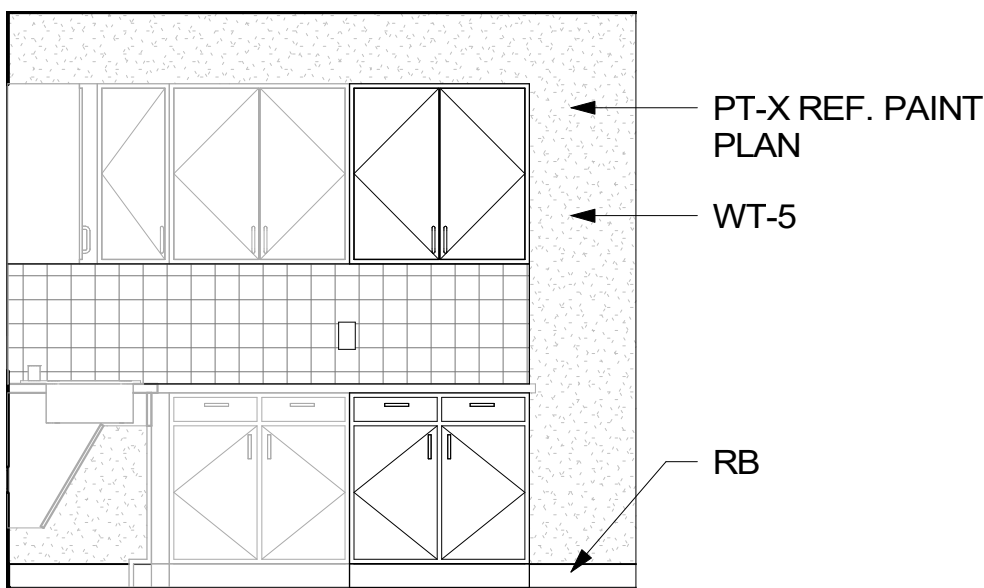
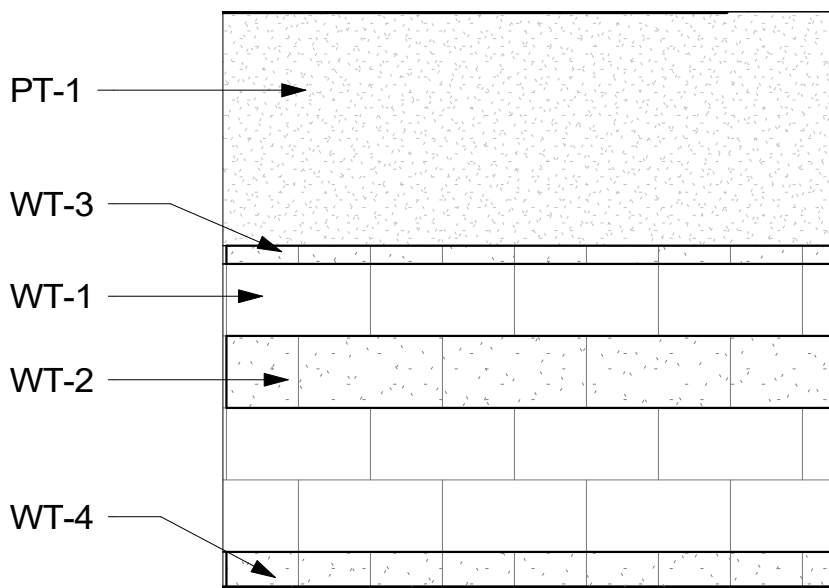
ROOM NO.	ROOM NAME	FLOOR FINISH	WALL BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	COMMENTS
100	CORRIDOR	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	N/A	GYP. BD.	ACT	REF. I-100 FOR SOUTH WALL
101	OFFICE	LVT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 50
102	OFFICE	LVT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 50
103	OFFICE	LVT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 50
104	CONFERENCE ROOM	LVT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 50
105	COPY / COFFEE	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
106	KITCHEN	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
106.1	PANTRY	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
107	IT. / ELECT. ROOM	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	OPEN TO STRUCT.	
108	JANITOR'S ROOM	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
109	LAUNDRY ROOM	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
110	CHANGING ROOM	POLISHED CONC.	COVE	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	GYP. BD.	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 45
111	CORRIDOR	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
112	WOMEN'S TOILETS	POLISHED CONC.	COVE	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	GYP. BD.	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 45
113	MEN'S TOILETS	POLISHED CONC.	COVE	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	TILED WAINSCOT WITH GYP. BD.	GYP. BD.	GYP. BD. SUBSTRATE TO HAVE STC RATING OF 45
114	STORAGE	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	
115	OPEN AREA	POLISHED CONC.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	N/A	PARTIAL ACT/PARTIAL GYP. BD.	REF. REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION
116	DINING	POLISHED CONC.	RUBBER	N/A	N/A	GYP. BD.	N/A	ACT	REF. I-100 FOR NORTH, EAST AND WEST WALL
117	DAY ROOM	POLISHED CONC.	RUBBER	N/A	N/A	GYP. BD.	GYP. BD.	ACT	REF. I-100 FOR NORTH AND EAST WALL
118	PATIO	SEALED CONC.	N/A	MTL. PANEL	N/A	N/A	MTL. PANEL	N/A	REF. REFLECTED CEILING PLAN AND ROOF PLAN FOR ADDITIONAL INFORMATION

INTERIOR MATERIALS SCHEDULE

NO.	MATERIAL	LOCATION	MANUFACTURER	DESCRIPTION / COLOR / STYLE	COMMENTS
ACT	ACOUSTICAL CEILING TILE	CEILING	ARMSTRONG	CALLA SQUARE TEGULAR 2821 (2'X2') NRC: 0.85 CAC: 35	REF. REFLECTED CEILING PLAN
GT 1	GROUT	KITCHEN WALL	CUSTOM BUILDING PRODUCTS	122 LINEN	
GT 2	GROUT	TOILETS AND CHANGING ROOM WALLS	CUSTOM BUILDING PRODUCTS	646 COFFEE BEAN	
GT 3	GROUT	DECORATIVE WALL	CUSTOM BUILDING PRODUCTS	122 LINEN	
LVT	LUXURY VINYL TILE	FLOOR	MOHAWK FLOORING	WR09 MAGNOLIA	ALTERNATE FLOORING
PL 1	PLASTIC LAMINATE	MILLWORK - INTERIOR SURFACES	PIONITE	D354 DESIGNER WHITE	
PL 2	PLASTIC LAMINATE	MILLWORK - EXTERIOR SURFACES	PIONITE	17013 WEBB OAK	
PT 1	PAINT	WALL	SHERWIN WILLIAMS	SW7072 ONLINE	REF. SHEET I-100
PT 2	PAINT	WALL	SHERWIN WILLIAMS	SW7665 WALL STREET	REF. SHEET I-100
PT 3	PAINT	DOOR FRAMES	SHERWIN WILLIAMS	SW7076 CYBERSPACE	REF. SHEET I-100
PT 4	PAINT	CEILING	SHERWIN WILLIAMS	SW7006 EXTRA WHITE	REF. SHEET A-101, I-100
RB	RUBBER BASE	WALL BASE	MANNINGTON COMMERCIAL	305 NAVY	
SS 1	SOLID SURFACE	COPY/COFFEE AND LAUNDRY ROOM COUNTERTOP	WILSONART	9074EA BLUESTONE	
SS 2	SOLID SURFACE	KITCHEN COUNTERTOP	WILSONART	9208CS WHITE STONE	
SS 3	SOLID SURFACE	TOILET COUNTERTOPS	WILSONART	9218CM GREY BEOLA	
SS 3	SOLID SURFACE	TOILET COUNTERTOPS	WILSONART	9218CM GREY BEOLA	
SS 4	SOLID SURFACE	WINDOW SILLS	WILSONART	9244SS MIDNIGHT FROST	
TS 1	THRESHOLD	FLOOR	TBD	TBD	
TS 2	THRESHOLD	FLOOR	TBD	TBD	
WS	WINDOW SHADE	WINDOWS	HUNTER DOUGLAS	MAMBO OATMEAL TAN	
WT 1	WALL TILE	WALL - TOILETS	DALTILE	TRAVERTINE TURCO CLASSICO	
WT 2	WALL TILE	WALL - TOILETS	INTERCERAMIC	AUTUMN LEAVES TURKISH TRAVERTINE	
WT 3	WALL TILE - BULLNOSE	WALL - TOILETS	INTERCERAMIC	AUTUMN LEAVES TURKISH TRAVERTINE	
WT 4	WALL TILE - BASE	WALL - TOILETS	INTERCERAMIC	AUTUMN LEAVES TURKISH TRAVERTINE	
WT 5	WALL TILE	DECORATIVE WALL	DALTILE	DA30 LUMIA LEAF BEIGE	
WT 6	WALL TILE	KITCHEN BACKSPASH	DALTILE	CASCADE WHITE CHELSEA GLASS	

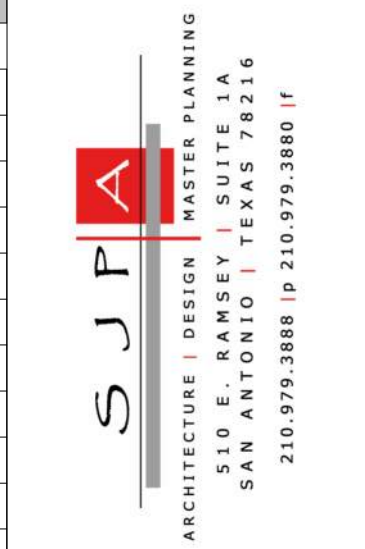
EXTERIOR MATERIALS SCHEDULE

NO.	COMPONENT	FINISH / COLOR	LOCATION	TYPE / MATERIAL	MAUNF.	COMMENTS
RAL-1	RAILING	GALVANIZED	PATIO AND RAMP	1-1/2" DIA. STEEL PIPE	R&B WAGNER, INC.	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-9	EXPOSED STEEL STRUCTURE	REF. PAINT SCHED.	REFERENCE EXTERIOR ELEVATIONS AND SECTIONS.	-		
MTL-8	OVERHEAD ROLLING DOOR	POWDER-GUARD - PLATINUM	REFERENCE EXTERIOR ELEVATIONS	620 SERIES	OVERHEAD DOOR	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-7	DOOR FRAME	REF. PAINT SCHED.	REFERENCE EXTERIOR ELEVATIONS	-		REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-6	WINDOW FRAME	CLEAR ANODIZED #14 ALUM.	REFERENCE EXTERIOR ELEVATIONS	TRIFAB 451	KAWNEER	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-5	DOWNSPOUT / FLASHING / MISC. SHEET METAL	CHARCOAL GRAY	REFERENCE EXTERIOR ELEVATIONS AND SECTION DETAILS	-	-	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-4	GUTTER	POLAR WHITE	REFERENCE EXTERIOR ELEVATIONS	BOX EVE PROFILE	MBCI	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-3	SOFFIT PANEL	POLAR WHITE	PATIO AND ROOF OVERHANG REF. RCP AND SECTION DETAILS	FW-120	MBCI	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-2	HORIZONTAL METAL PANEL	CHARCOAL GRAY	REFERENCE EXTERIOR ELEVATIONS	MASTERLINE 16	MBCI	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
MTL-1	ROOF PANEL	POLAR WHITE	REFERENCE ROOF PLAN	PBR PANEL PROFILE	MBCI	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
GLZ-1	GLASS	SMOKED GRAY	REFERENCE EXTERIOR ELEVATIONS	OPTIFLOAT (LOW-E INSULATED)	PILKINGTON	REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



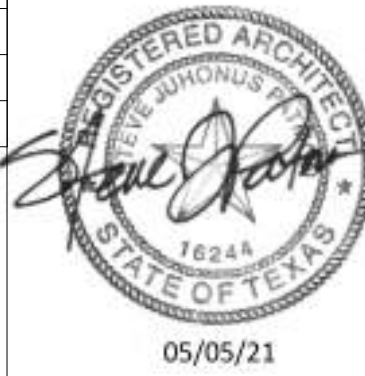
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2
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CAMINO REAL WORK FORCE CENTER
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FRIO COUNTY

1

2

3

4

5

6

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ENGINEERS
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SAN ANTONIO, TX 78204
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1

2

3

4

5

5.2

6

A.1

B

B.2

C

1

2

3

4

5

5.2

6

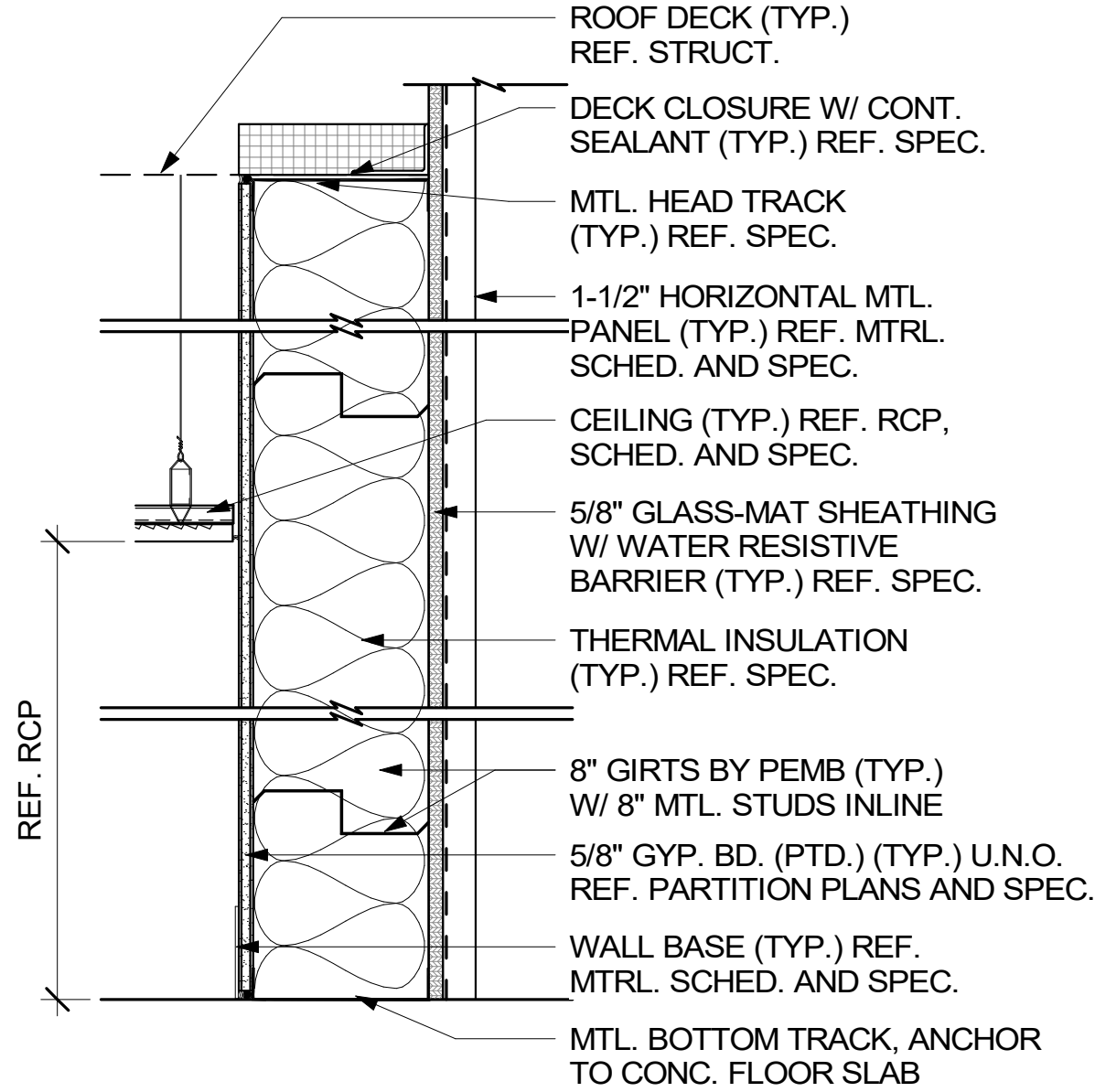
A.1

B

C

PARTITION FLOOR PLAN

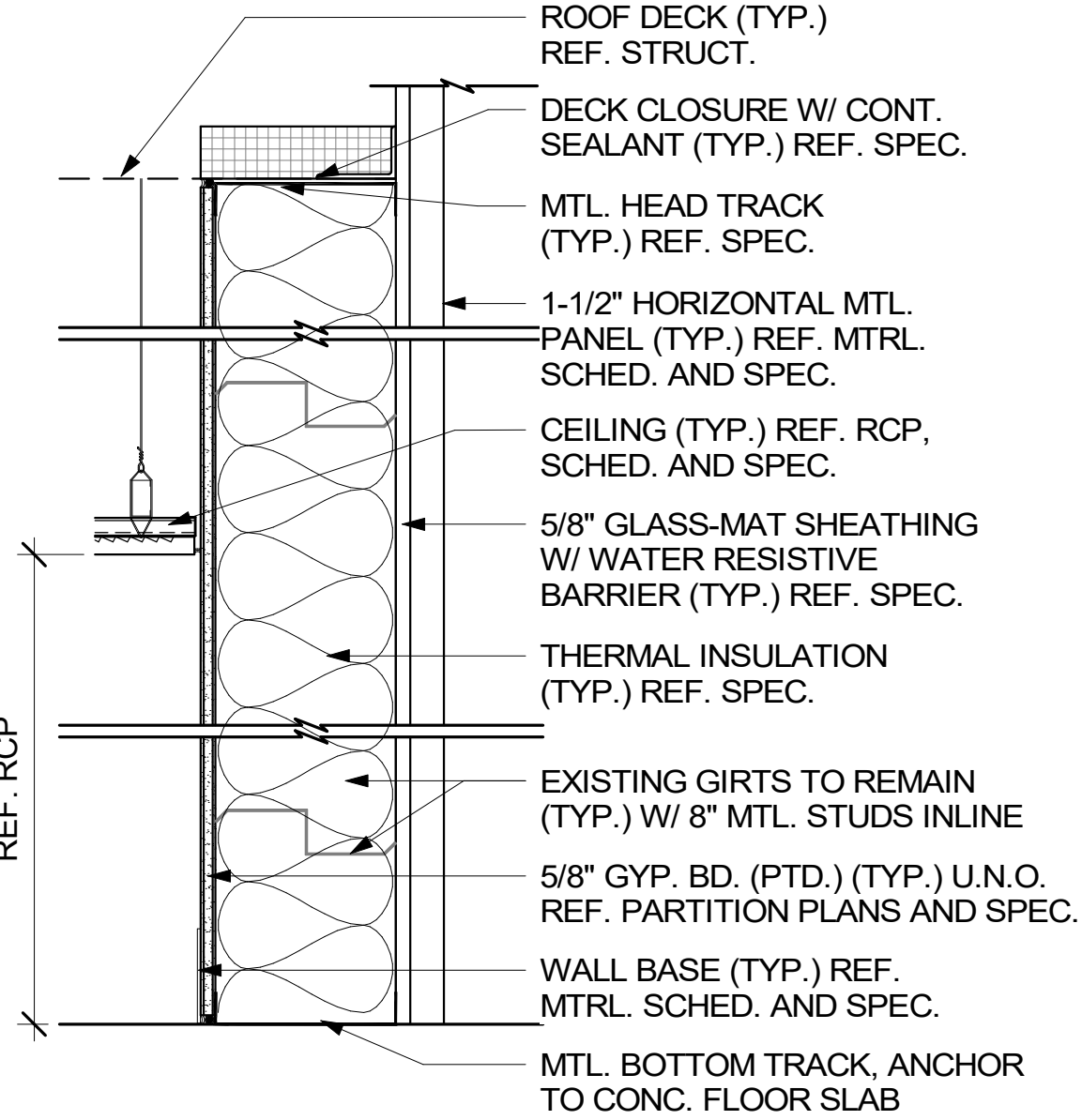
1/8" = 1'-0"



PARTITION TYPE - A

N.T.S.

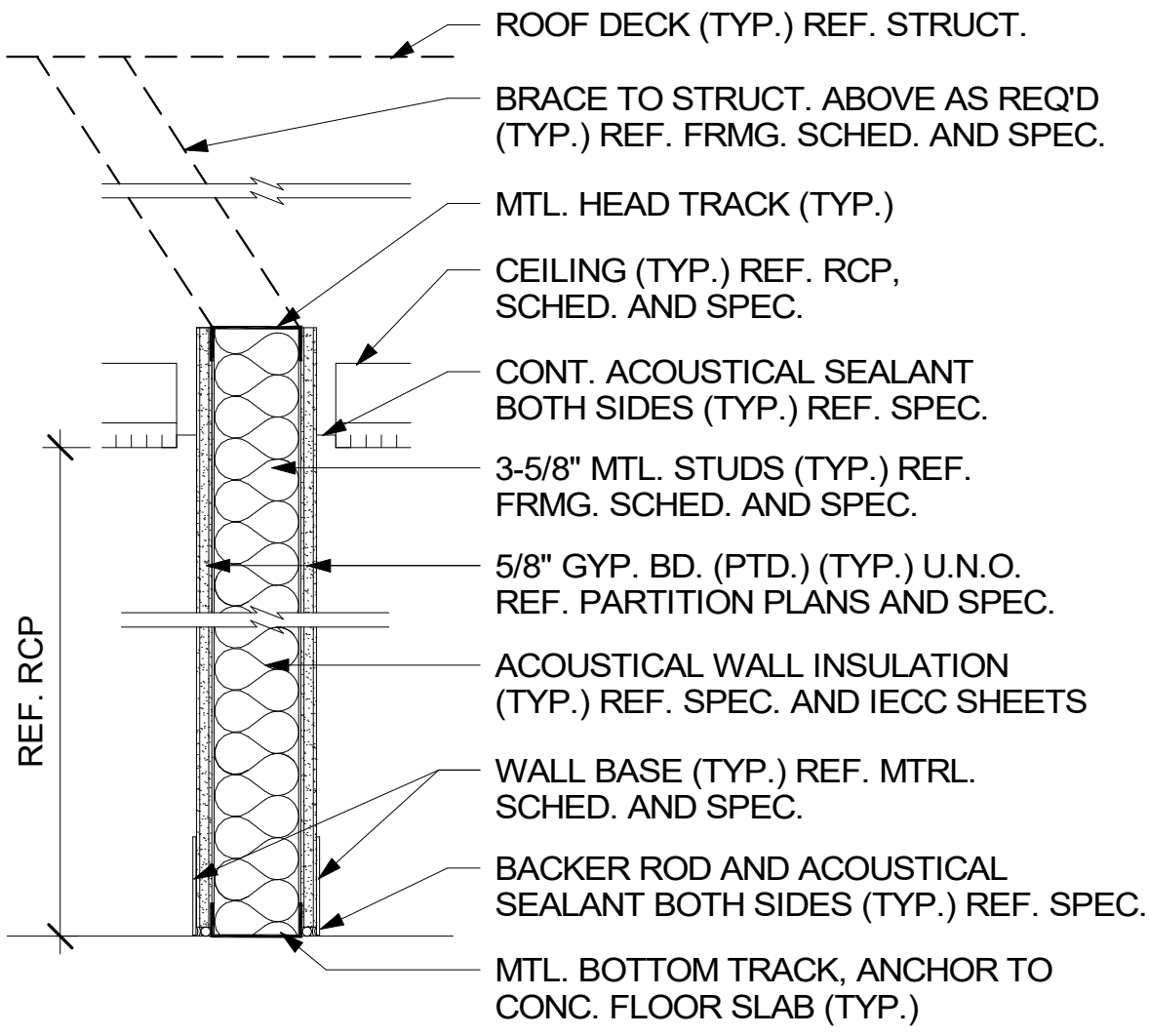
PARTITION TYPE - A	
MARK	WALL TYPE / COMMENTS
A1	5/8" CEMENT BD. W/ TILE WAINSCOT
	REF. INTERIOR ELEVATIONS FOR TILE WAINSCOT PATTERN AND HEIGHT
	REFERENCE EXT. ELEVATIONS, MTRL. SCHED. AND SPECS. FOR ADDITIONAL INFORMATION.



PARTITION TYPE - B

N.T.S.

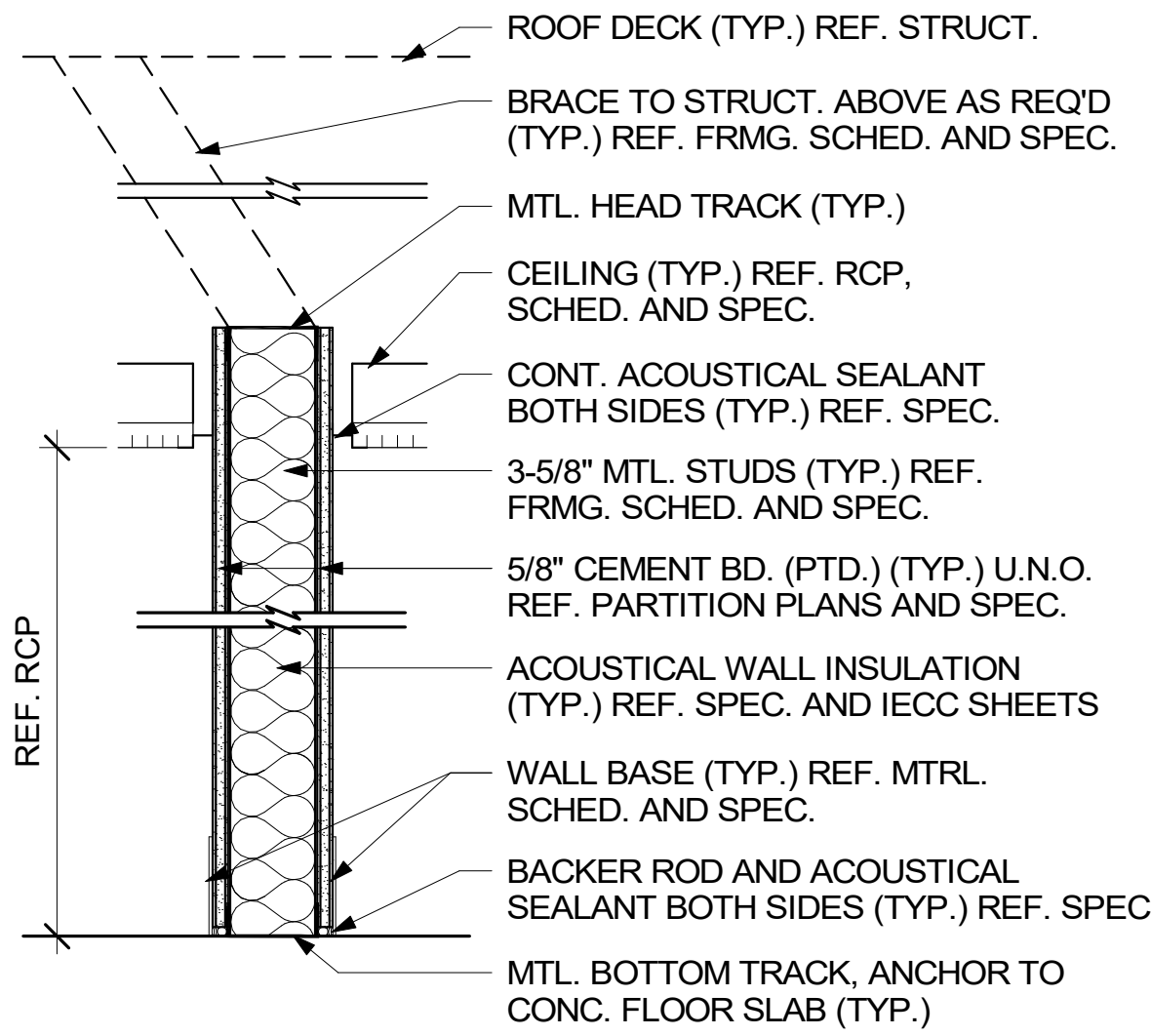
PARTITION TYPE - B	
MARK	WALL TYPE / COMMENTS
B1	5/8" CEMENT BD. W/ TILE WAINSCOT
B2	5/8" CEMENT BD. IN LIEU OF GYP. BD.
	REF. INTERIOR ELEVATIONS FOR TILE WAINSCOT PATTERN AND HEIGHT
	REFERENCE EXT. ELEVATIONS, MTRL. SCHED. AND SPECS. FOR ADDITIONAL INFORMATION.



PARTITION TYPE - C

N.T.S.

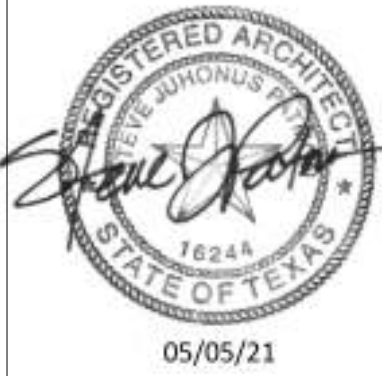
PARTITION TYPE - C	
MARK	WALL TYPE / COMMENTS
C1	5/8" CEMENT BD. ON ONE SIDE IN LIEU OF GYP. BD.
C2	5/8" CEMENT BD. ON ONE SIDE W/ TILE WAINSCOT IN LIEU OF GYP. BD.
	REF. INTERIOR ELEVATIONS FOR TILE WAINSCOT PATTERN AND HEIGHT
	REF. MATERIALS SCHED. AND SPEC. FOR ADDITIONAL INFORMATION.



PARTITION TYPE - D

N.T.S.

PARTITION TYPE - D	
MARK	WALL TYPE / COMMENTS
D1	5/8" CEMENT BD. ONLY ON ONE SIDE W/ TILE WAINSCOT (CHASE WALL)
D2	W/ TILE WAINSCOT ON BOTH SIDES
	REF. INTERIOR ELEVATIONS FOR TILE WAINSCOT PATTERN AND HEIGHT
	REF. MATERIALS SCHED. AND SPEC. FOR ADDITIONAL INFORMATION.



CAMINO REAL WORK FORCE CENTER
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FRIO COUNTY

PARTITION TYPES

IFC SUBMITTAL
Scale: As Indicated
020-004-000
05/05/2021

I-605

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GENERAL NOTES

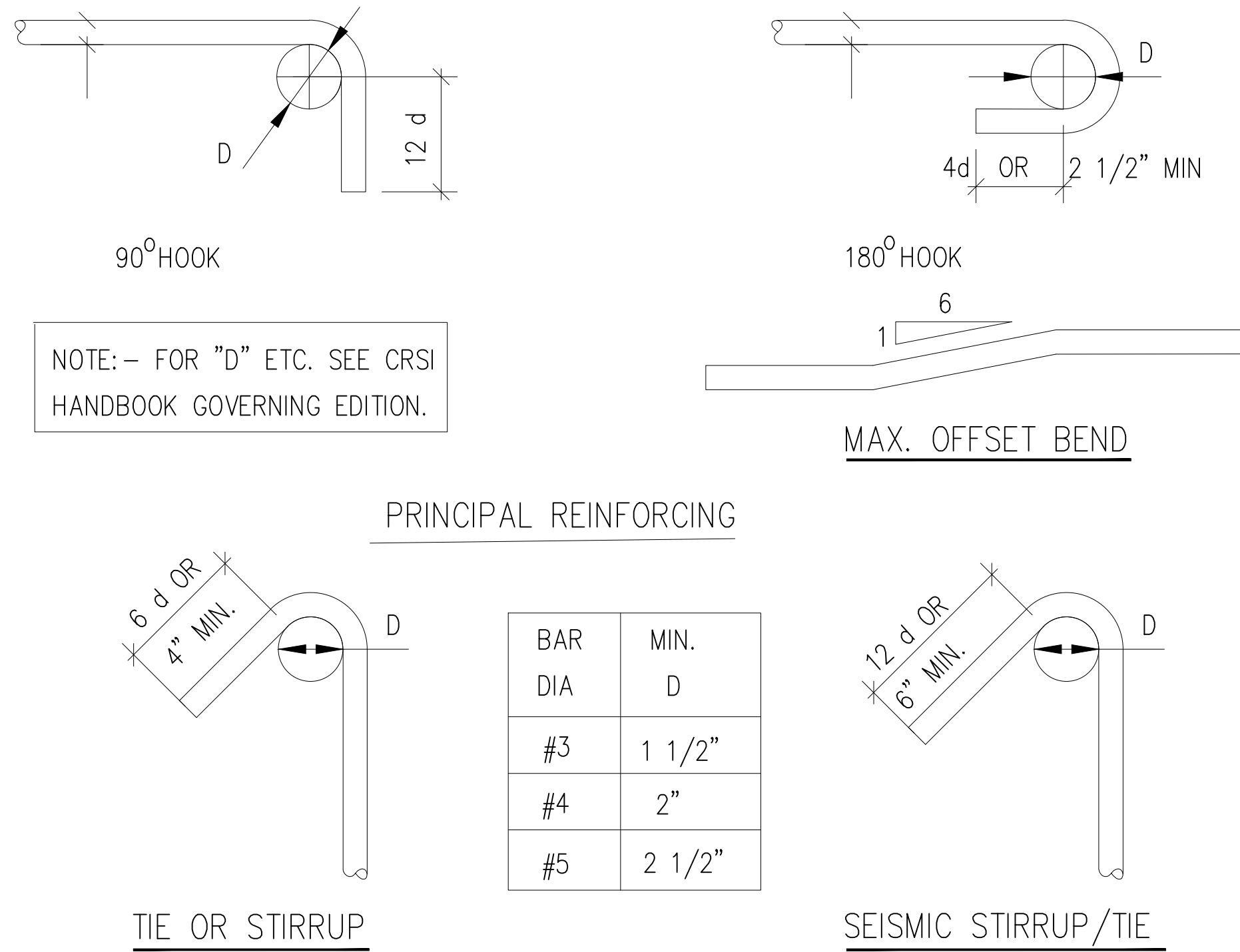
- DESIGN CODES: IBC 2018, ASCE/SEI 7-16, AND ACI 318-14.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY WHICH MAY EXIST.
- ALL FOOTINGS & MATS ARE TO BE PLACED ON FIRM AND CLEAN SOIL (SEE GEOTECHNICAL REPORT). THE SOIL BEARING SHOULD BE VERIFIED AT THE FOOTINGS BY THE GEOTECHNICAL ENGINEER. THE SOIL BEARING PRESSURE SHOULD BE REPORTED TO THE ENGINEER.
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND THE LOCATION OF DEPRESSED FLOOR AREAS.
- SLABS ON GRADE SHALL BE PLACED ON THE COMPACTED BACK FILL AS SPECIFIED BY THE GEOTECHNICAL REPORT.
- FOR FOUNDATIONS CONSTRUCTION AND FIELD PREPARATION SEE BRAUN INTERTEC - GEOTECHNICAL EVALUATION REPORT (B2006035) FOR PROPOSED EXCAVATION AND FOUNDATION CONSTRUCTION.

CONCRETE

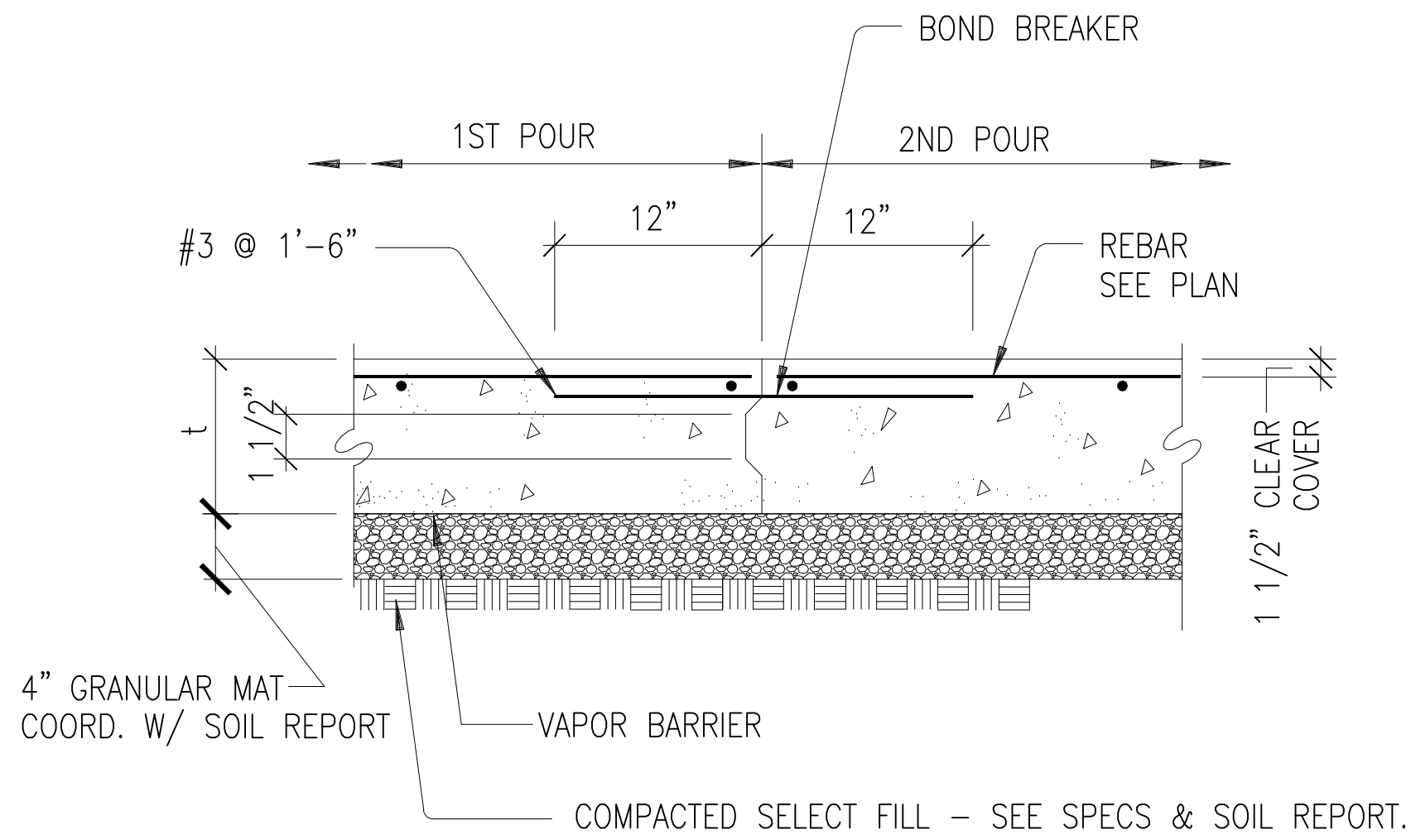
- ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 EXCEPT WHERE NOTED. NO.3 BARS MAY CONFORM TO ASTM A615, GRADE 40. ALL REINFORCING BARS WELDED TO A STEEL SECTION SHALL BE OF WELDABLE GRADE 40, CONFORMING TO ASTM-A706
- CONCRETE SHALL HAVE SAND, GRAVEL AGGREGATE AND TYPE I PORTLAND CEMENT WITH DESIGNATED COMPRESSIVE STRENGTH (F'C) IN 28 DAYS: FOOTINGS, GRADE BEAMS, PEDESTALS, PILES & PILE CAP-- (3000 PSI) MAT, FLOOR SLABS, AND WALLS----- (3000 PSI)
- ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI PUBLICATION 315, LATEST EDITION.
- ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE AND OUR SPECIFICATIONS.
- CONCRETE COVER FOR REINFORCEMENT OF POURED-IN-PLACE MEMBERS:

FOOTINGS. 3" BOT. 2" SIDE. 1 1/2" TOP
SLAB ON GRADE 1" TOP
GRADE BEAMS 1 1/2" TOP, 3" BOTTOM, 2" SIDES
- ALL "CONTINUOUS" REINFORCEMENT SHALL HAVE MINIMUM LAP OF "B" TYPE (ACI 318 , SECTION 25.5.2.1) AT SPLICES UNLESS NOTED OTHERWISE,
- PROVIDE 3" X 6" X 20 GAGE SHEET METAL. BAR CHAIRS AT 1'-0" MAXIMUM CENTERS EACH WAY FOR ALL REINFORCING SLABS ON GRADE.
- REINFORCING BARS SHALL NOT BE WELDED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
- WITHOUT PRIOR APPROVAL OF THE ENGINEER, ALL SPREAD FOOTINGS SHALL BE POURED MONOLITHIC.

TYPICAL DETAILS

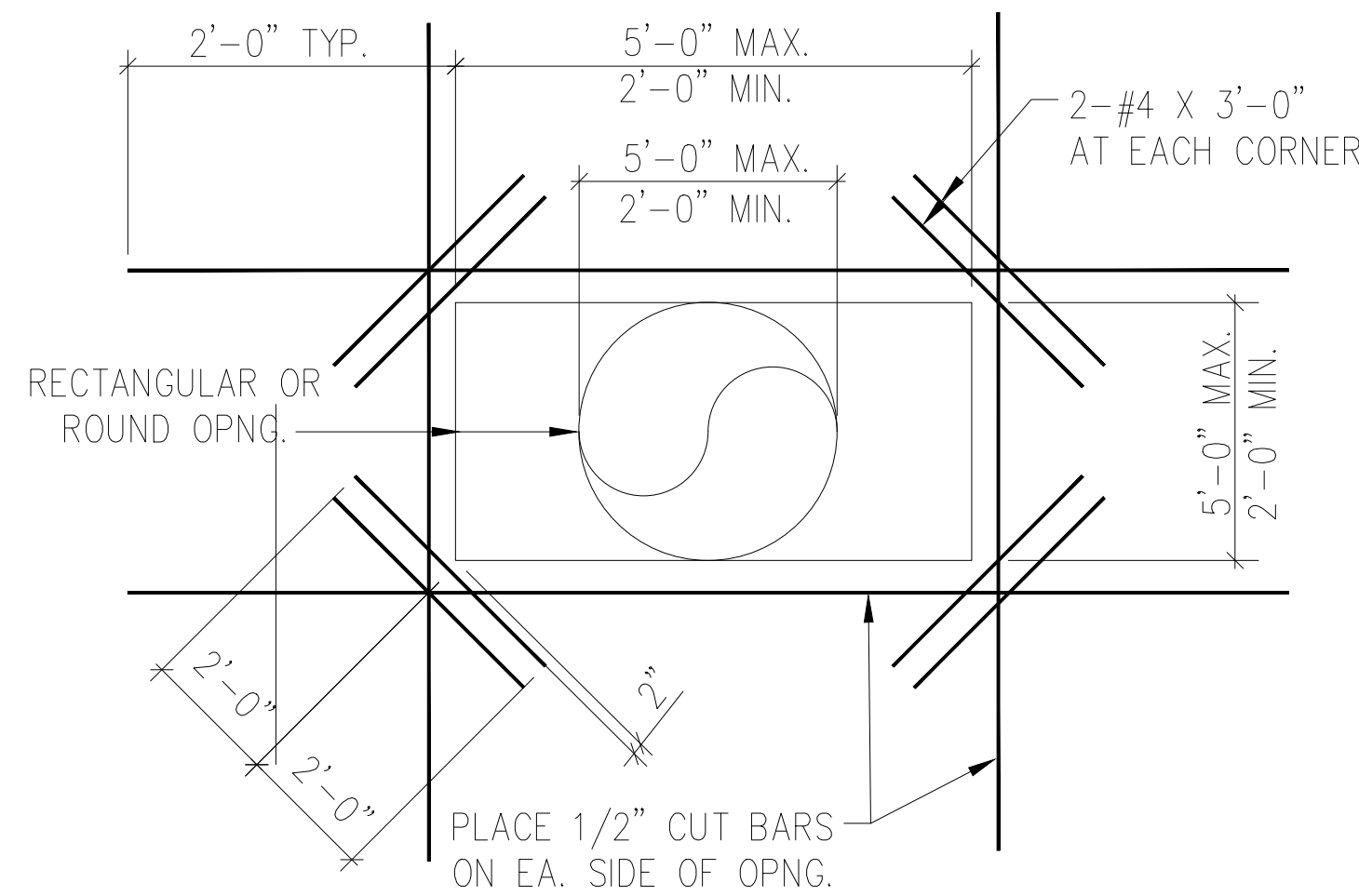


1 BAR BENDS
SCALE: NTS

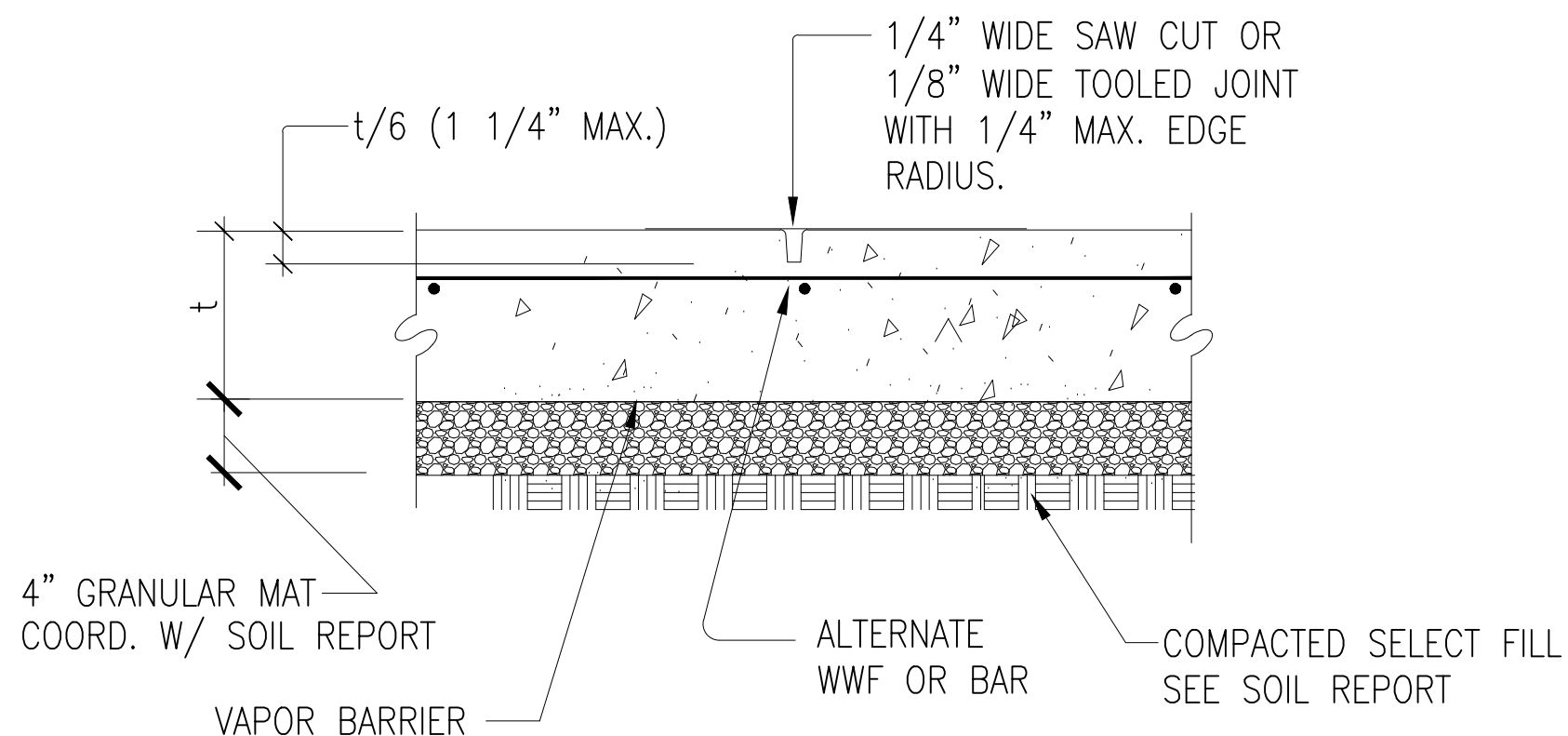


NOTE: FOR POURS LARGER THAN 43 SQ. Y. USE SAW CUTTING DETAILS AS SHOWN IN SLAB ON GRADE - TYPICAL CONTROL JOINT
COORDINATE LOCATION OF CONSTRUCTION JOINTS WITH ARCHITECTS.

2 SLAB ON GRADE CONSTRUCTION JOINT
SCALE : NTS

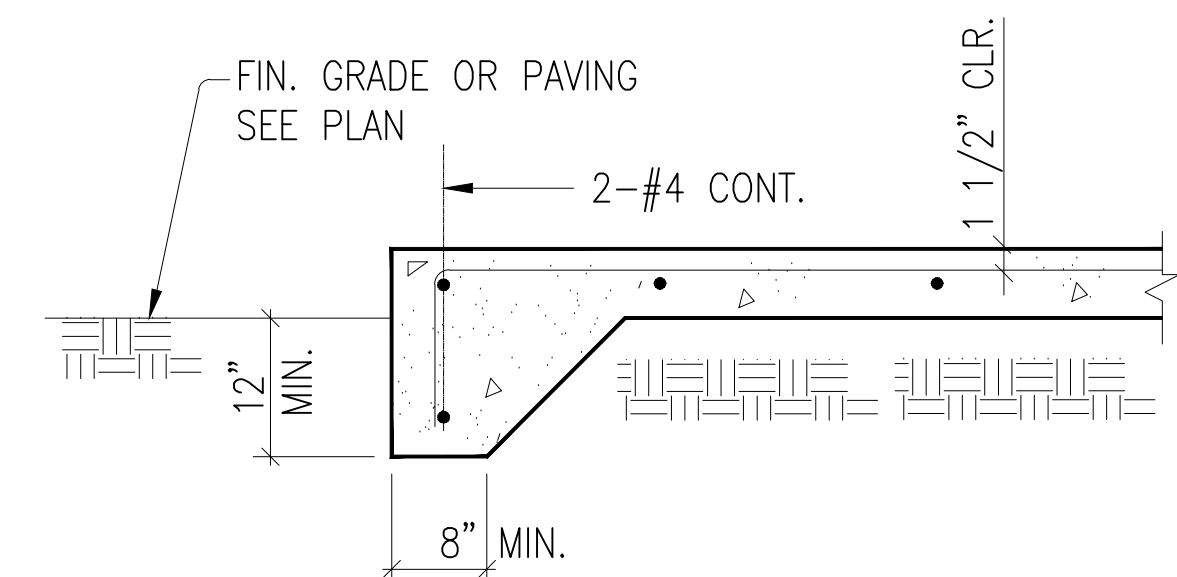


5 OPENING IN SLAB ON GRADE
SCALE: NTS

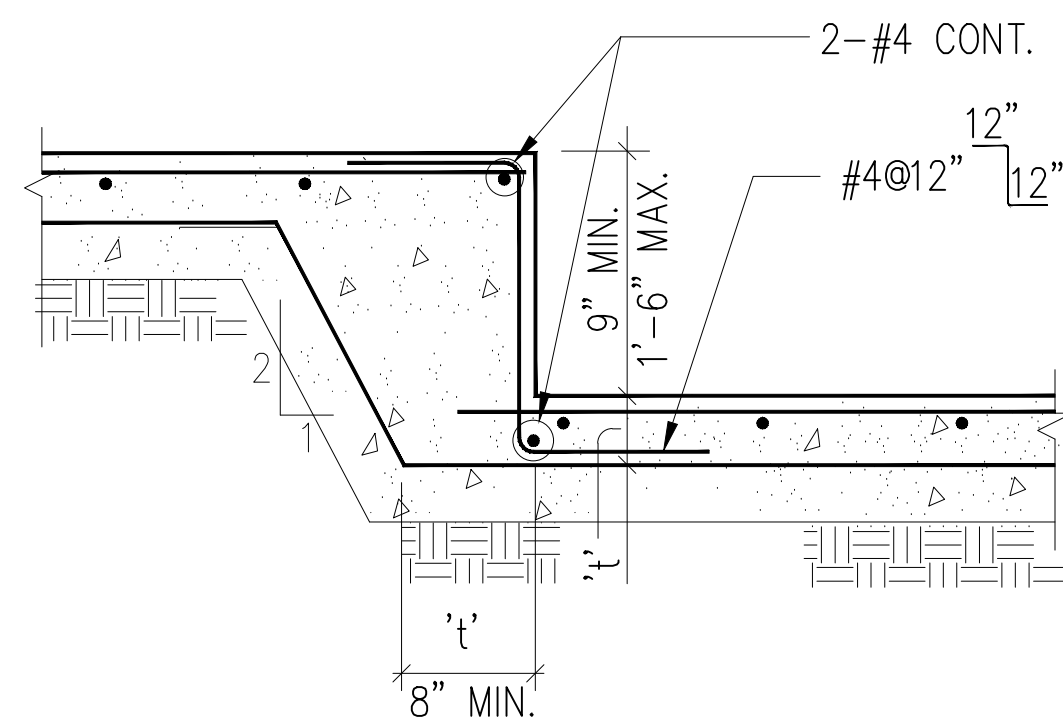


NOTES:
1. LOCATE THESE JOINTS AT SUCH INTERVALS THAT MAXIMUM SLAB AREA BETWEEN THESE JOINTS DOES NOT EXCEED 43 SQ. Y. UNLESS LOCATIONS ARE SPECIFICALLY SHOWN ON STRUCTURAL PLANS.
2. SAWCUT MUST BE MADE WITHIN 12 HOURS OF PLACING OF CONCRETE.

3 SLAB ON GRADE-TYP. CONTROL JOINT
SCALE: NTS

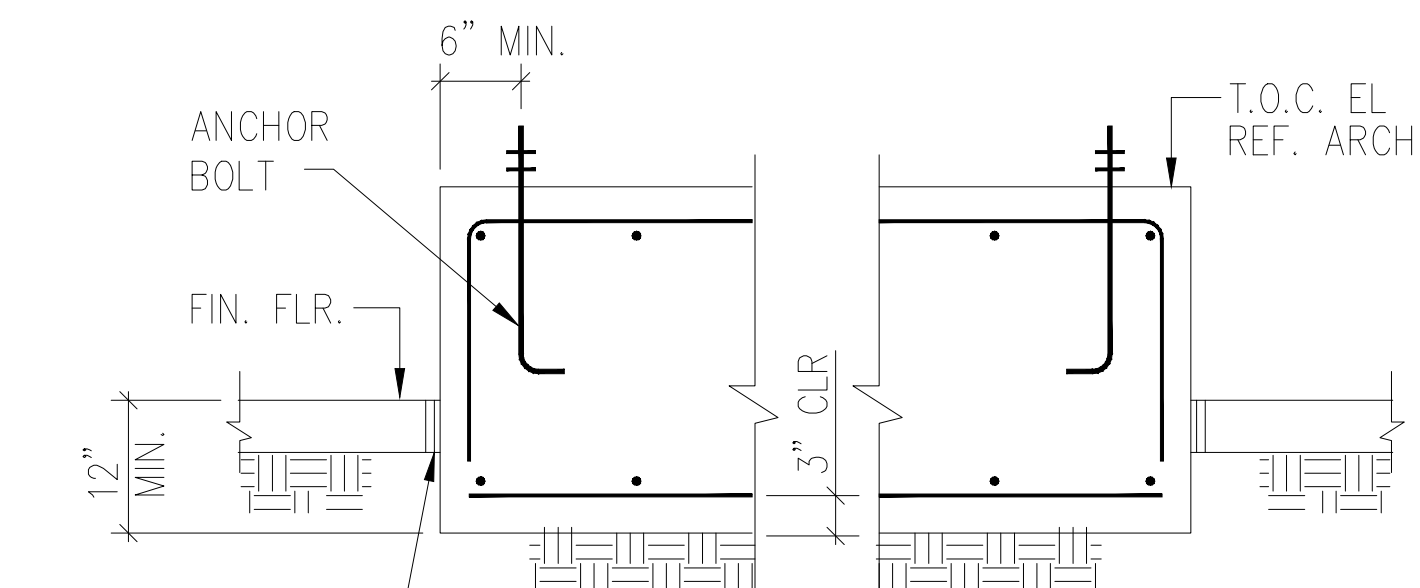


6 TYP. SLAB EDGE FOR SLAB ON GRADE
SCALE: NTS



SLAB DEPRESSION GREATER THAN 9" BUT NOT GREATER THAN 1'-6"

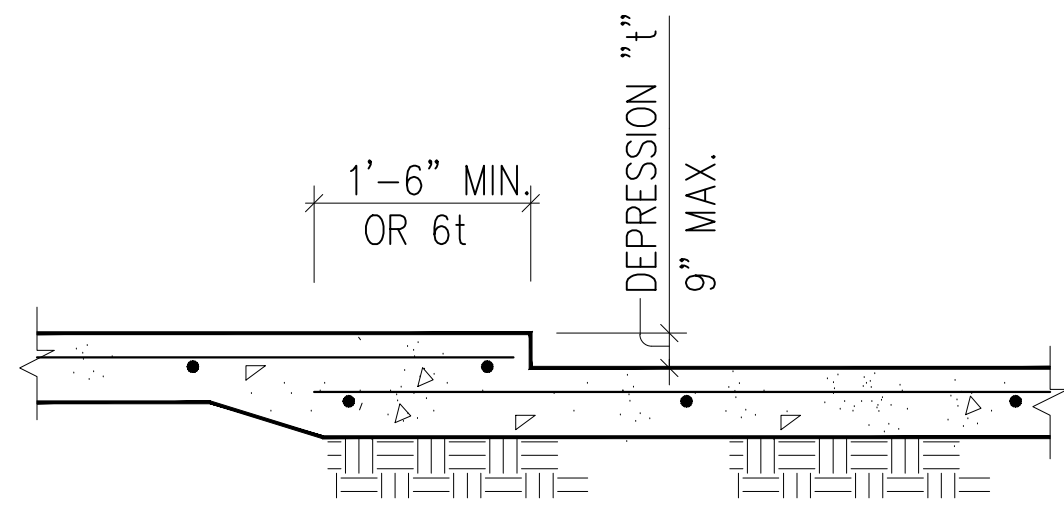
8 TYP.SLAB ON GRADE DEPRESSION DETAIL
SCALE: NTS



1/2" COMPRESSIBLE MATERIAL ALL AROUND

NOTES:
1. FOR DIMENSION AND LOCATION OF PADS SEE MECHANICAL AND ELECTRICAL DRAWINGS.
2. COORDINATE LOCATION OF ANCHOR BOLTS AND ISOLATOR INSTALLATION WITH THE SUPPLIER.

9 CONCRETE BASE AND SLAB FOR EQUIPMENT
SCALE: NTS



SLAB DEPRESSION NOT GREATER THAN 9"

7 TYP.SLAB ON GRADE DEPRESSION DETAIL
SCALE: NTS

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Revisions	
#	Description Date

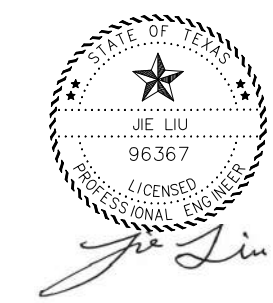
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CAMINO REAL
GENERAL NOTES & TYPICAL DETAILS

100% SUBMITTAL

Scale: As Indicated

05/05/21

S-001

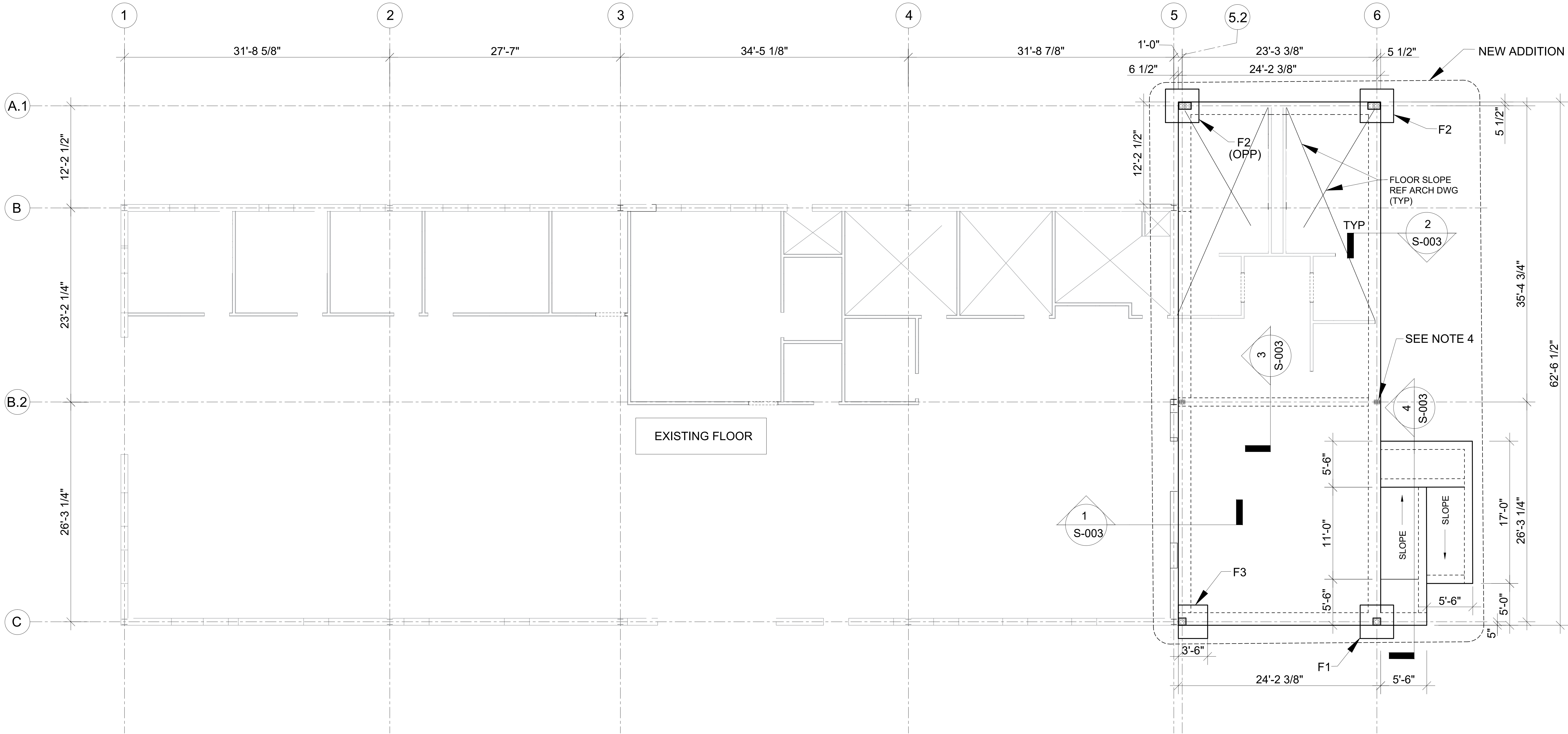
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D

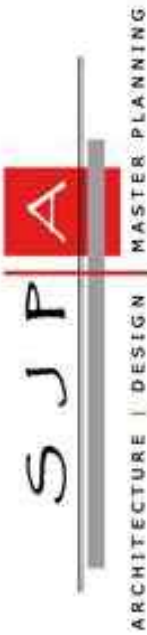
C

B

A



- NOTES:
1. SEE S-001 FOR GENERAL NOTES & TYPICAL DETAILS,
 2. USE 6" SLAB FOR THE NEW FLOOR, REINFORCED WITH #4 AT 12" O.C. BOTH WAYS AT MIDDLE DEPTH,
 3. SEE S-004 FOR COLUMN FOUNDATIONS (F1, F2, AND F3) AND REINFORCEMENT DETAILS.
 4. CHECK BUILDING DRAWINGS IF ADDITIONAL ANCHOR BOLTS ARE REQUIRED BEFORE CONSTRUCTION



Revisions

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CAMINO REAL
FOUNDATION PLAN

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S-002

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E

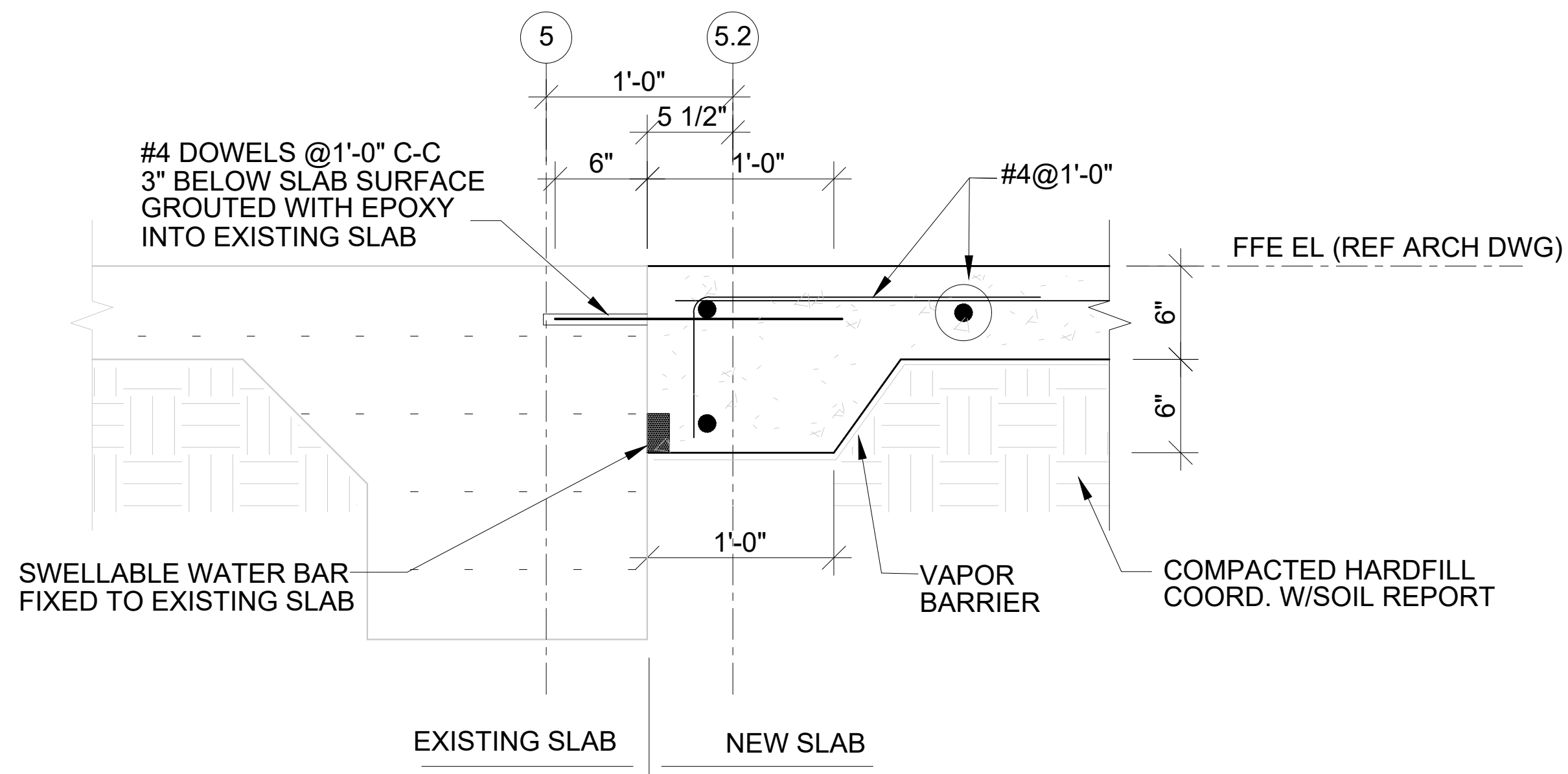
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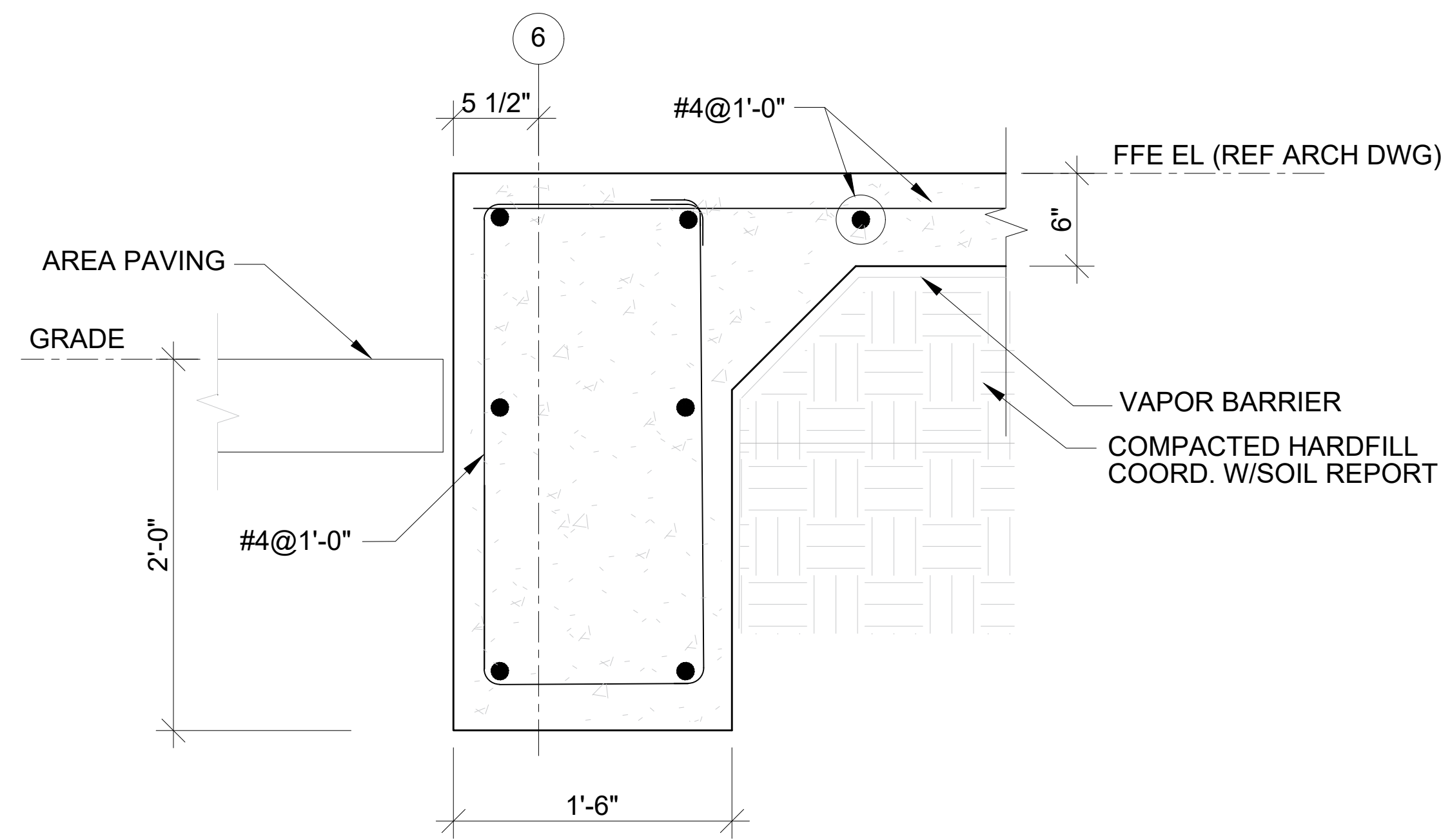
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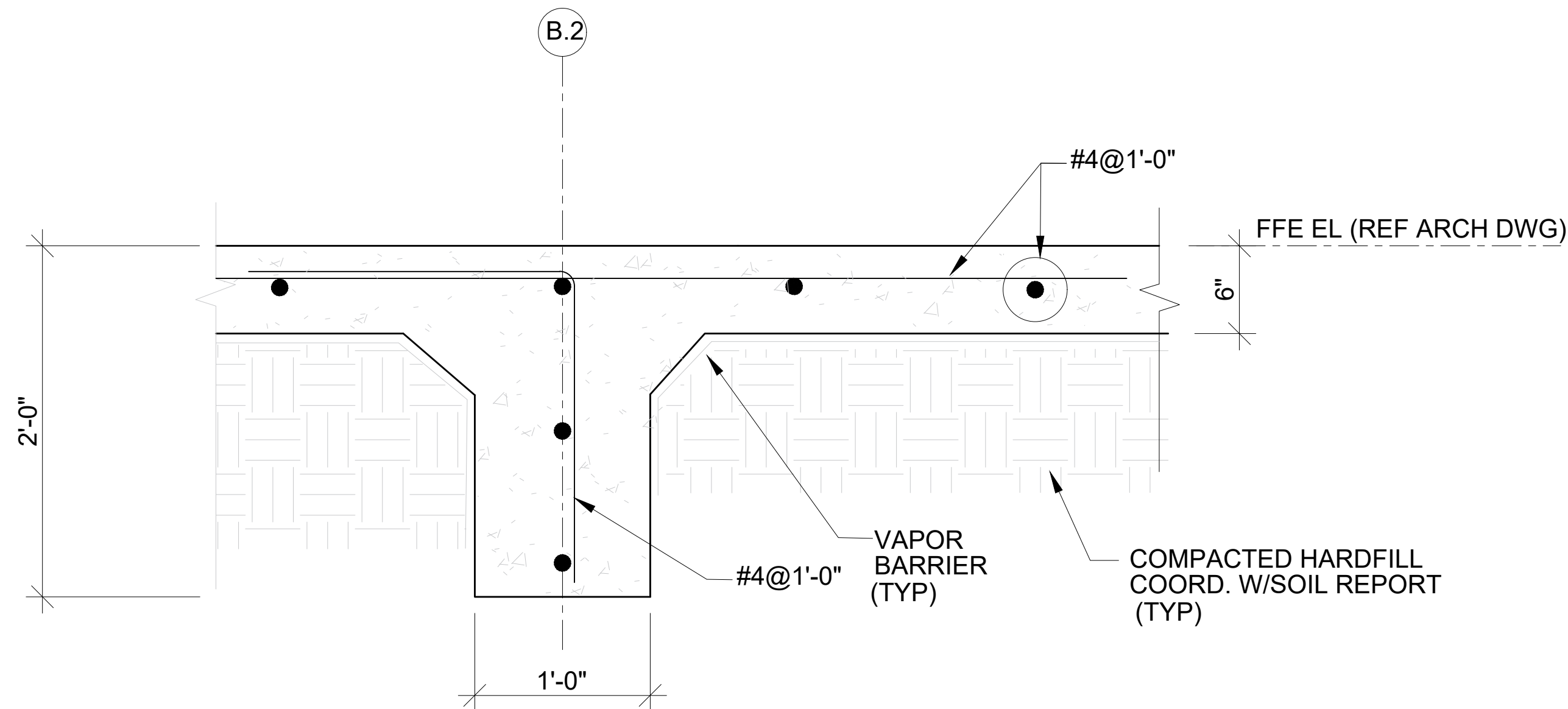
NOTE:
SEE S-001 FOR GENERAL NOTES & TYPICAL DETAILS



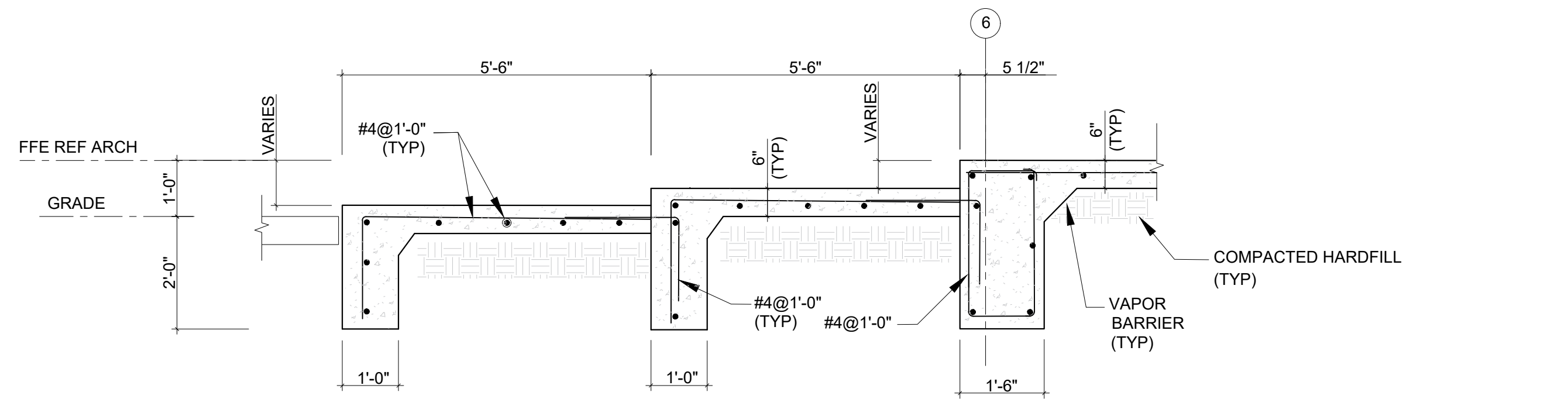
1 SECTION DETAILS
SCALE: 1 1/2" = 1'-0"



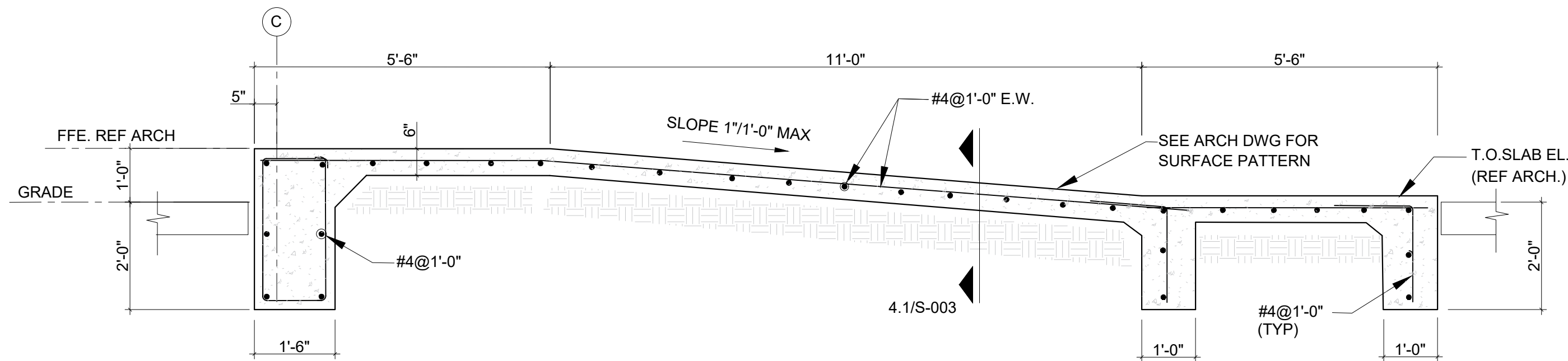
2 SECTION DETAILS
SCALE: 1 1/2" = 1'-0"



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



4.1 SECTION DETAIL
SCALE 1/2" = 1'



4 RAMP SECTION
SCALE 1/2" = 1'-0"

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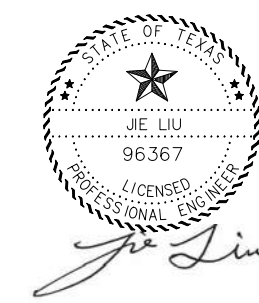
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FRIO COUNTY



S&B INFRASTRUCTURE, LTD.
TEXAS BOARD OF PROFESSIONAL
ENGINEERS # F-1582

CAMINO REAL
SECTION DETAILS

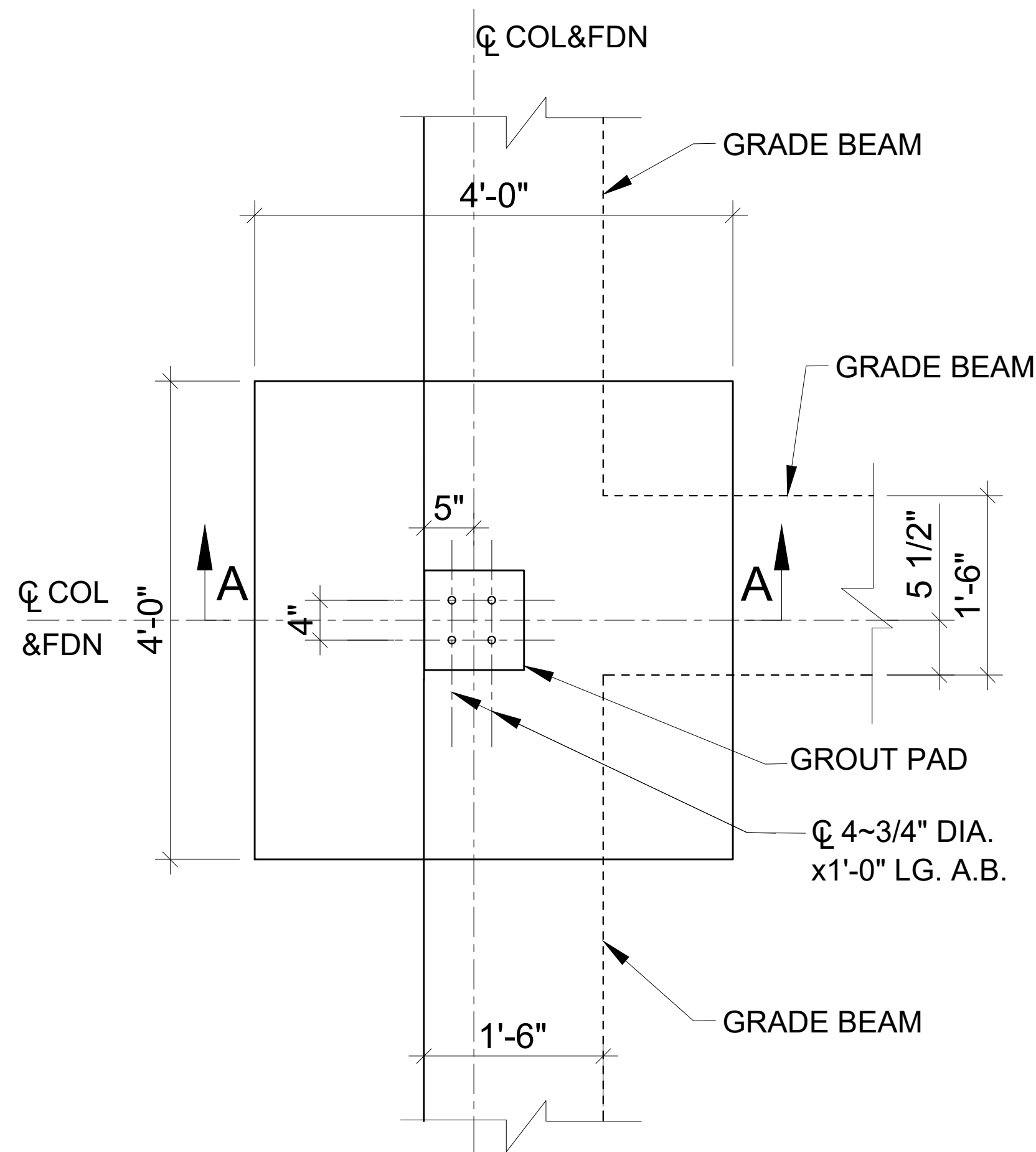
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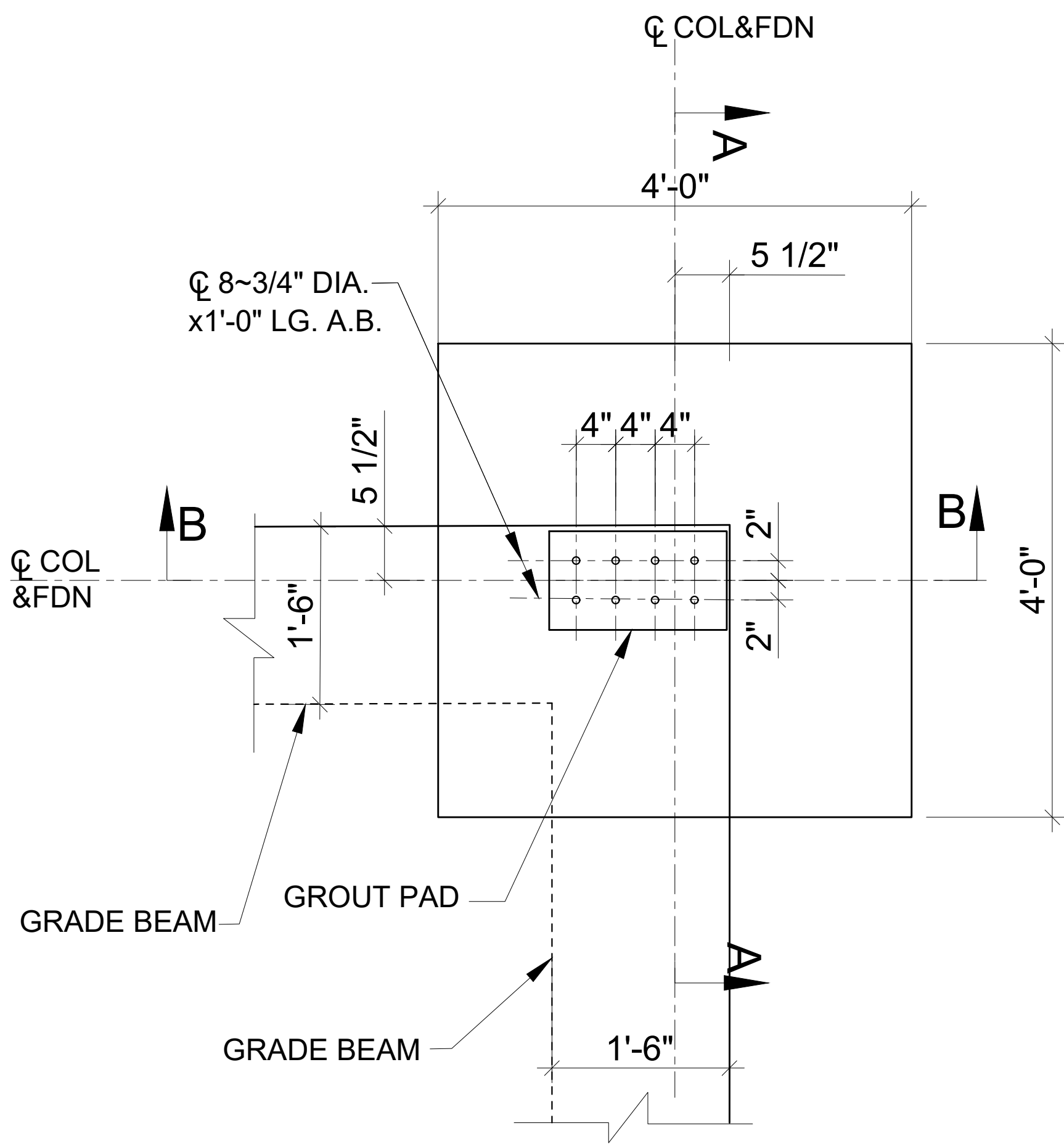
05/05/21

S-003

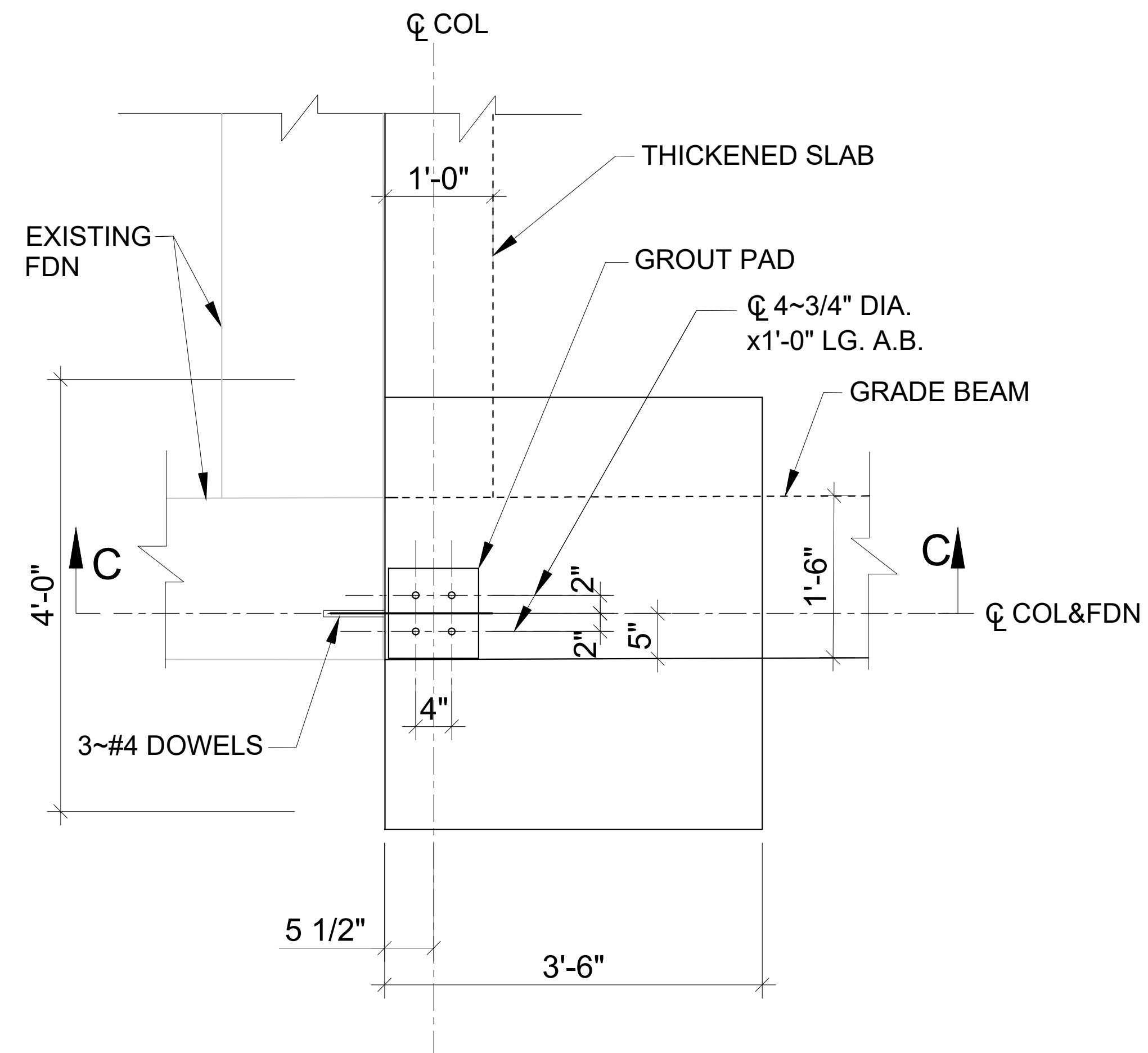
E
D
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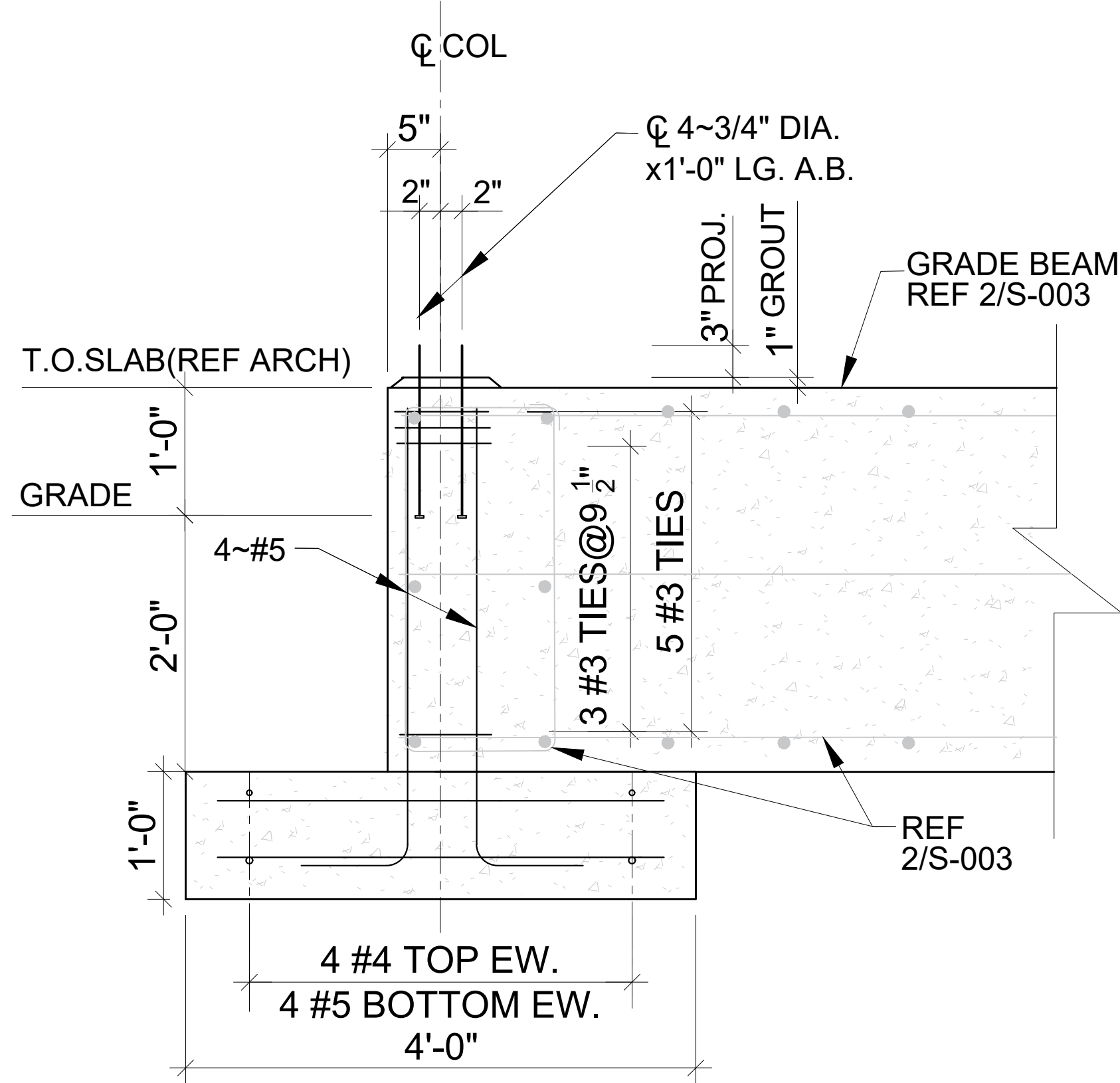
F1 PLAN
SCALE: 1" = 1'-0"
*SEE NOTE



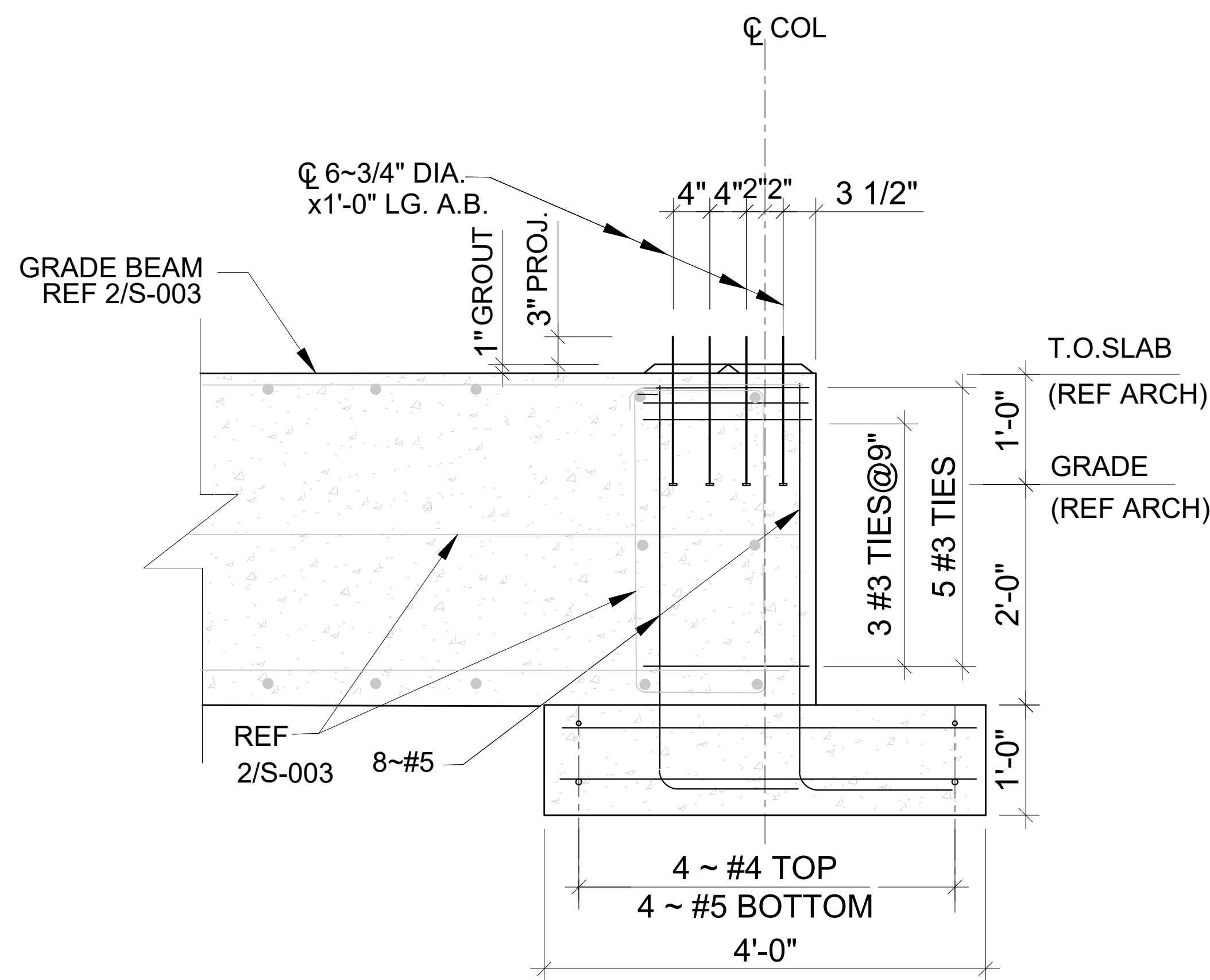
F2 PLAN
SCALE: 1" = 1'-0"
*SEE NOTE



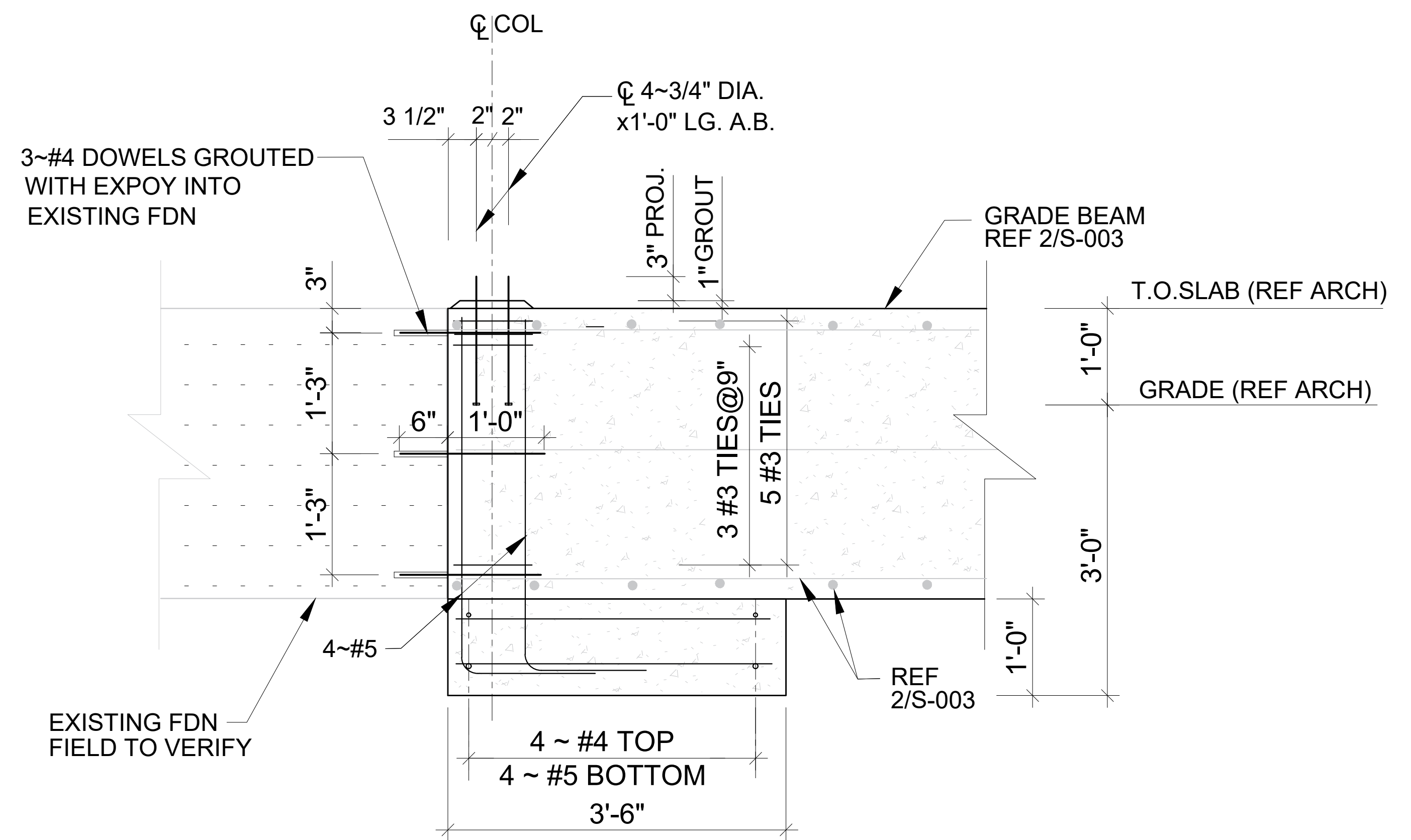
F3 PLAN
SCALE: 1" = 1'-0"
*SEE NOTE



SECTION A-A
SCALE: 1" = 1'-0"



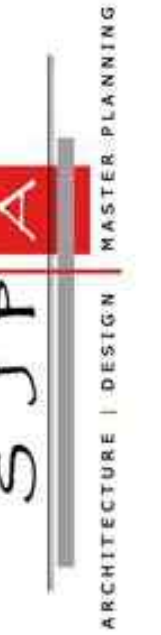
SECTION B-B
SCALE: 1" = 1'-0"



SECTION C-C
SCALE: 1" = 1'-0"

NOTE:

THE BOLT SIZES AND LOCATIONS ARE BASED ON THE PRELIMINARY RESULTS OF THE BUILDING DESIGN. VERIFY THE BOLT SIZES AND LOCATIONS WITH THE FINAL BUILDING DRAWINGS BEFORE INSTALLATION.



Revisions		
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FRIO COUNTY



**CAMINO REAL
FOOTING DETAILS**

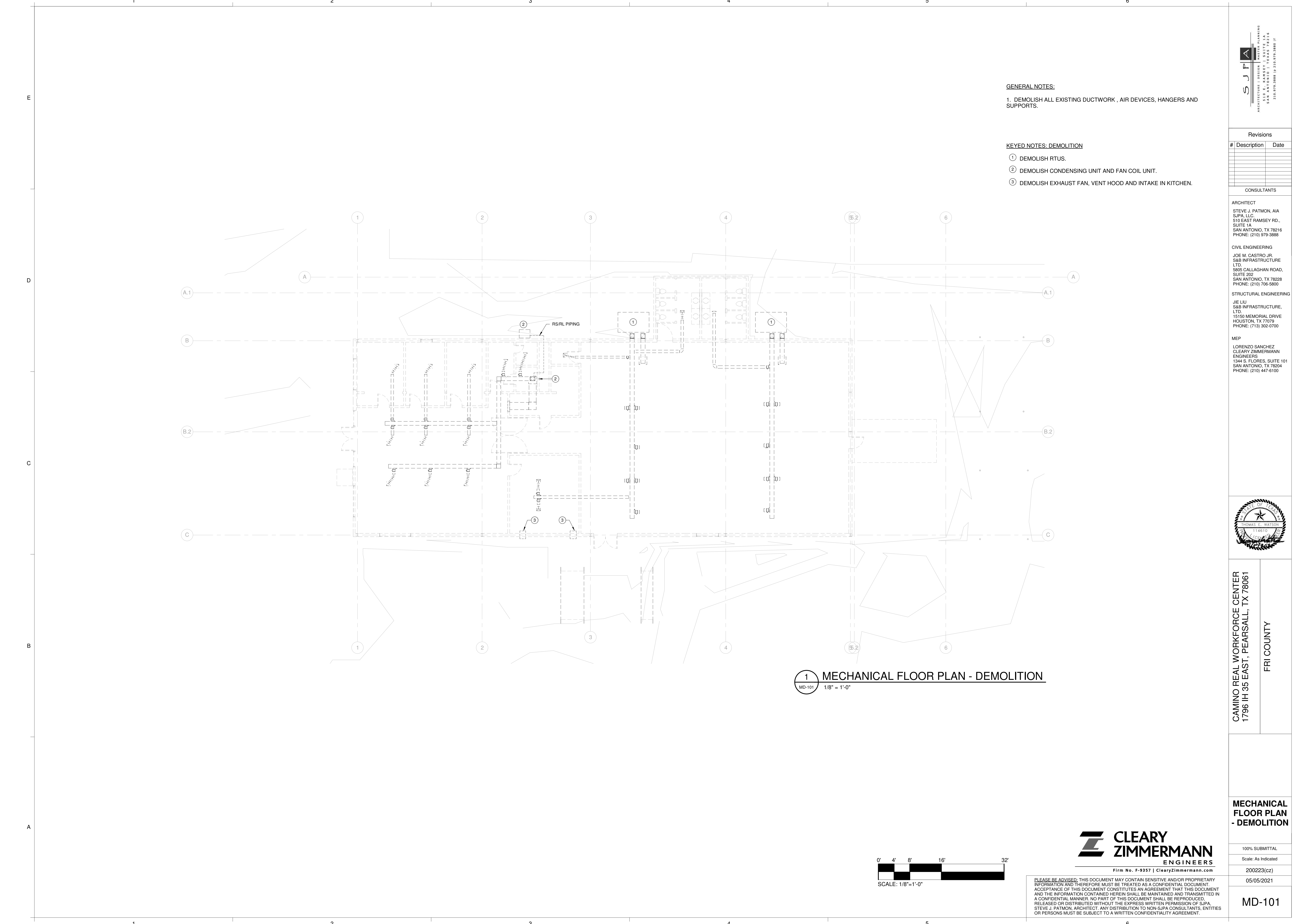
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S-004

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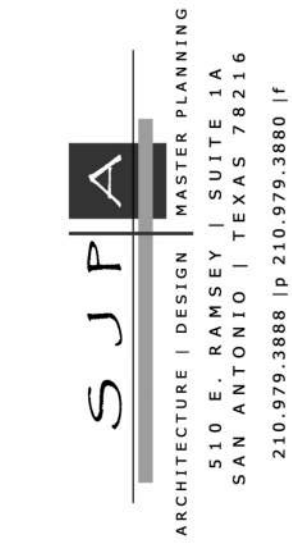


GENERAL NOTES:

1. DEMOLISH ALL EXISTING DUCTWORK , AIR DEVICES, HANGERS AND SUPPORTS.

KEYED NOTES: DEMOLITION

- 1 DEMOLISH RTUS.
- 2 DEMOLISH CONDENSING UNIT AND FAN COIL UNIT.
- 3 DEMOLISH EXHAUST FAN, VENT HOOD AND INTAKE IN KITCHEN.



Revisions

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CAMINO REAL WORKFORCE CENTER
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FRI COUNTY

MECHANICAL
FLOOR PLAN
- DEMOLITION

100% SUBMITTAL
Scale: As Indicated
200223(cz)
05/05/2021

MD-101



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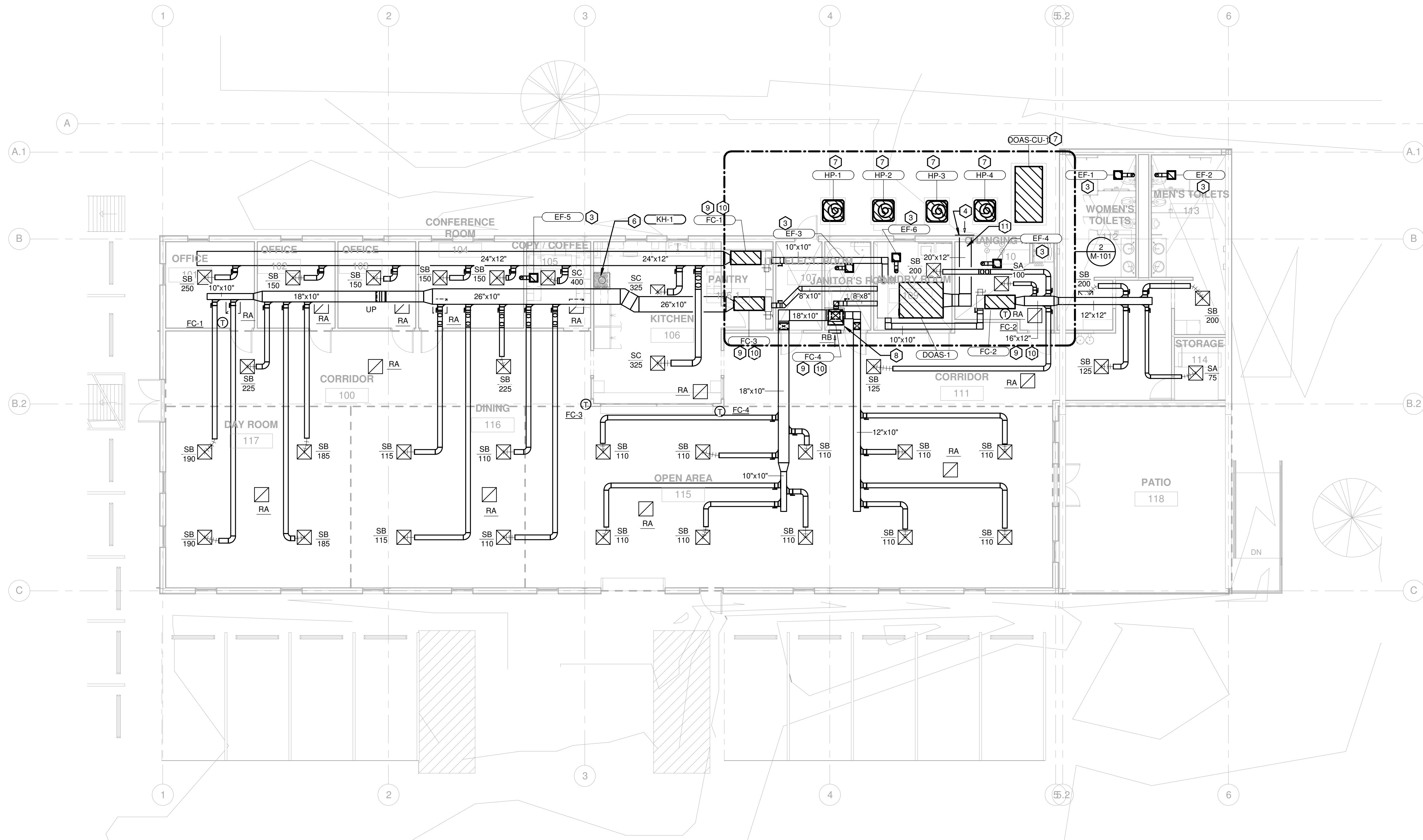
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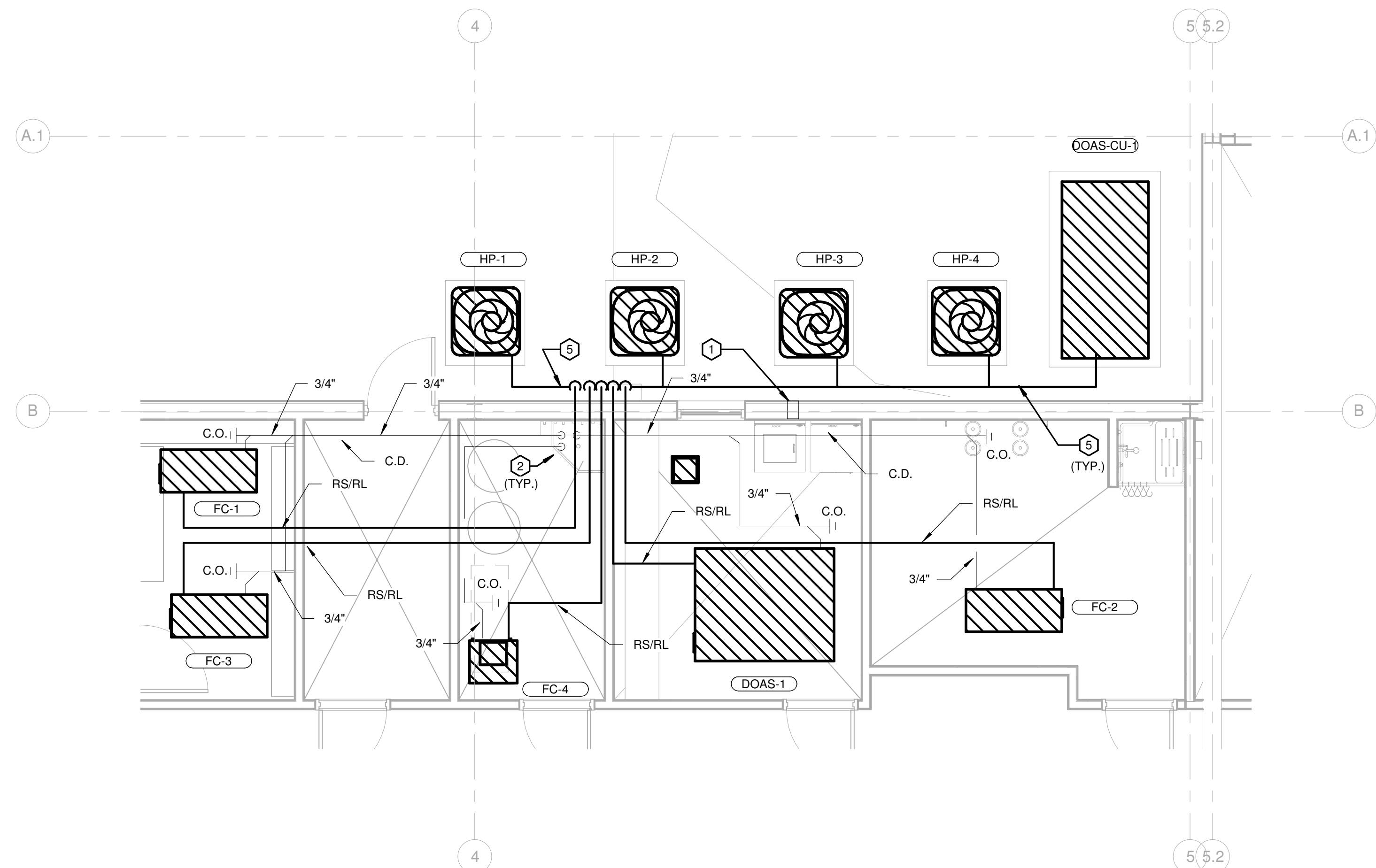
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1 MECHANICAL FLOOR PLAN
M-101 1/8" = 1'-0"



2 ENLARGED MECHANICAL FLOOR PLAN - PIPING
M-101 1/4" = 1'-0"



MECHANICAL KEYED NOTES:

- 1 PROVIDE DRYER EXHAUST THROUGH WALL AT LEAST 3'-0" ABOVE GROUND WITH LINT TRAP. PROVIDE WALL CAP AT EXHAUST OUTLET THROUGH WALL.
- 2 PROVIDE 3/4" FULLY INSULATED COPPER CONDENSATE PIPING, TERMINATE AT MOP SINK WITH 1" AIR GAP.
- 3 ROUTE 8"x8" EXHAUST DUCT UP THROUGH ROOF. PROVIDE GOOSENECK WITH BACKDRAFT DAMPER AND INSECT/BIRD SCREEN.
- 4 PROVIDE LOUVER EQUAL TO 30"x36" WITH MINIMUM FREE OF 2.70 S.F. REFER TO ARCHITECTURAL DRAWINGS.
- 5 ALL EXTERIOR REFRIGERANT PIPING TO HAVE STUCCO EMBOSSED ALUMINUM JACKETING. PROVIDE SUPPORTS AT A MINIMUM OF EVERY 36" OC.
- 6 PROVIDE 12" DIA. EXHAUST DUCT UP THROUGH ROOF WITH GRAVITY BACKDRAFT DAMPER. PROVIDE GOOSENECK AT ROOF PENETRATION WITH BIRD/INSECT SCREEN.
- 7 PROVIDE 5 1/2" TALL CONCRETE HOUSEKEEPING PAD TO EXTEND A MINIMUM PF 4" PAST EACH EDGE OF UNIT ON ALL SIDES.
- 8 24" TALL FULLY INSULATED RETURN AIR PLENUM BENEATH FAN COIL UNIT FULL SIZE. CONNECT OUTSIDE AIR DUCT AND RETURN AIR DUCT TO PLENUM AS SHOWN. PROVIDE DUCT SPLITTER AT SUPPLY AIR OUTLET.
- 9 BALANCE OUTSIDE AIR AND RETURN AIR DUCT AS INDICATED ON SPLIT SYSTEM SCHEDULE. (TYP.)
- 10 PROVIDE 18" DEEP FULLY INSULATED RETURN AIR PLENUM BOX AT FAN COIL INLET. MAINTAIN ACCESS TO FILTERS
- 11 PROVIDE 20" DEEP FULLY INSULATED PLENUM BOX SLOPED TO EXTERIOR LOUVER

CLEARY ZIMMERMANN
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MECHANICAL FLOOR PLAN

100% SUBMITTAL
Scale: As Indicated
200223(cz)
05/05/2021

M-101

E

D

C

B

A

DOAS SCHEDULE

MARK	DOAS/CU-1
SYSTEM QUANTITY (REFER TO DRAWINGS)	1
TOTAL CAPACITY/SENS CAP (MBtu/hr)	106.2 / 70.5
E.E.R. (AHU / CU)	9.7 / 10.1
OUTSIDE AIR (CFM)	1350
FAN COIL UNIT	
ENT. AIR (DB/WB)	105 / 78
LEAVING AIR (DB/WB)	53.8
CFM	1350
FAN (NO./HP)	1 / 1.34
FAN BHP	.34
FAN RPM	2580
EXTERNAL STATIC PRESSURE (IN. W.G.)	0.5
ELECTRICAL SERVICE (V/PH/MCA/MOCP)	230 / 3 / 46 / 50
CONDENSING UNIT	
REFRIGERANT TYPE	R-410A
AMBIENT T	105
ELECTRICAL SERVICE (V/PH/MCA/MOCP)	230 / 3 / 44 / 60
ELECTRIC HEAT	
ENT. AIR (DB)	30
LEAVING AIR (DB)	62.8
HEATER SIZE(KW)	14
TOTAL CAPACITY(MBtu/hr)	47.8
REFERENCE	
MANUFACTURER INDOOR/OUTDOOR SECTION	AAON
AIR HANDLING UNIT MODEL	H3-CRB-2-0-162C-3BS
CONDENSING UNIT MODEL	CFA-011-B-A-2-DC00L
NOTES	1-4

- NOTES:(DOAS SCHEDULE):
1. MANUFACTURE TO SIZE REFRIGERANT LINES
 2. PROVIDE WITH DOUBLE WALL CONSTRUCTION
 3. PROVIDE WITH STAINLESS STEEL DRAIN PAN
 4. PROVIDE ELECTRIC HEAT WITH SCR CONTROL
 5. UNIT TO BE PROGRAMMED TO RUN CONTINUOUSLY DURING OCCUPIED HOURS
 6. PROVIDE MERV 8 FILTERS
 7. PROVIDE WITH CONTRILS SYSTEM TO MAINTAIN 50% RH FOR LEAVING AIR

FLEX DUCT SCHEDULE

CFM RANGE	SIZE (DIAMETER) *
<50 - 100	6
101 - 250	8
251 - 400	10
401 - 650	12
651 - 900	14
901 - 1300	16
1301 - 1800	18
1801 - 2300	20

* ALL FLEX DUCT SHALL BE SIZED IN ACCORDANCE W/ FLEX DUCT SCHEDULE. PROVIDE RIGID REDUCER AT NECK OF AIR DEVICE, VAV INLET DUCT, ETC. TO TRANSITION FROM FLEX DUCT SIZE TO DIFFUSER INLET AND/OR EQUIPMENT CONNECTION SIZE. FLEX DUCT NOT TO EXCEED 8FT LENGTH.

KITCHEN HOOD SCHEDULE

MARK	LENGTH	WIDTH	HEIGHT	EXHAUST CFM	S.P. INCHES WC	TOTAL WEIGHT	MANUF./MODEL	NOTES
KH-1	30	24	12.5	500	0.56	86.00	GREENHECK/GRRS	1-7

1. PROVIDE WITH EXTERNAL MOUNTED INLINE FAN
2. NFPA 101 COMPLIANT.
3. UL 300A LABELED.
4. PROVIDE WITH ANSUL SYSTEM.
5. PROVIDE SINGLE POINT POWER CONNECTION.
6. PROVIDE ELECTRIC DISCONNECT
7. UNIT TO BE WALL MOUNTED.

SPLIT-SYSTEM SCHEDULE

MARK	FCU/HP-1	FCU/HP-2	FCU/HP-3	FCU/HP-4
SERVICE	OFFICES	LAUNDRY/CHANGING	DINING AND DAY ROOM	OPEN AREA
SYSTEM QUANTITY (REFER TO DRAWINGS)	1	1	1	1
TOTAL CAPACITY/SENS CAP (MBtu/hr)	47 / 35.3	33.4 / 25.4	40.9 / 31.6	32.3 / 23.7
S.E.E.R.	14.25	15.75	14	14.55
OUTSIDE AIR (CFM)	375	375	350	250
FAN/COIL UNIT				
ENT. AIR (DB/WB)	73 / 59.3	73 / 58.8	73 / 59.5	73 / 59.7
LEV. AIR (DB/WB)	54.8 / 49.6	54.5 / 49	55.3 / 50.4	53.1 / 48.8
CFM	1800	1275	1650	1100
FAN MOTOR (HP)	.25	.25	.25	.25
EXTERNAL STATIC PRESSURE (IN. W.G.)	0.4	0.55	0.4	0.47
ELECTRIC HEAT (KW)	8.8	8.8	8.8	8.8
ELECTRICAL SERVICE (V/PH/MCA/MOCP)	230 / 3 / 21.2 / 35	230 / 3 / 15.8 / 25	230 / 3 / 18.4 / 30	230 / 3 / 15.8 / 25
ELECTRIC PUMP				
ENT / LAT	60 / 75.5	60 / 81.9	60 / 76.9	60 / 85.3
TOTAL CAPACITY(MBtu/hr)	30	30	30	30
ELECTRICAL SERVICE (V/PH/MCA/MOCP)	230 / 3 / 21.2 / 35	230 / 3 / 15.8 / 25	230 / 3 / 18.4 / 30	230 / 3 / 15.8 / 25
REFERENCE				
MANUFACTURER INDOOR/OUTDOOR SECTION	FRASER-JOHNSTON	FRASER-JOHNSTON	FRASER-JOHNSTON	FRASER-JOHNSTON
FAN COIL UNIT MODEL	THE60B31S	THE36B32S	THE48B31S	THE36B32S
CONDENSING UNIT MODEL	AE60DX21	AE42CX21	AE48CX21	AE42CX21
NOTES	1-8	1-8	1-8	1-8

- NOTES:(SPLIT-SYSTEM SCHEDULE):
1. PROVIDE STARTERS AS REQUIRED.
 2. MANUFACTURER TO SIZE REFRIGERANT LINES.
 3. SECURE FCU TO STRUCTURE WITH ALL THREAD AND SPRING ISOLATORS.
 4. PROVIDE WITH MANUFACTURER'S PROGRAMMABLE T-STAT WITH AUTOMATIC CHANGE OVER.
 5. PROVIDE WITH APR VALVE
 6. PROVIDE WITH LOW AMBIENT CONTROL KIT
 7. PROVIDE WITH AUXILIARY DRAIN PAN AND EMERGENCY OVERFLOW CUT OFF SWITCH
 8. PROVIDE WITH HAIL GAURDS

AIR DEVICE SCHEDULE

MARK	MODEL	SIZE	THROW (@ 100 FPM)	CFM RANGE	INLET	# SLOTS	O.B.D. REQ'D. ?	P.D. ("WG) *	MAX. NC	REFERENCE	NOTES
SA	TMS-AA	12"x12"	3-FT	0-100	6"Ø	N/A	NO	0.04	20	TITUS	1,5,7
SB	TMS-AA	24"x24"	5-FT	105-250	8"Ø	N/A	NO	0.06	20	TITUS	1,5
SC	TMS-AA	24"x24"	6-FT	251-400	10"Ø	N/A	NO	0.06	25	TITUS	1,5
RA	50F	24"x24"	-	0-2,000	22"x22"	N/A	NOTE #4	0.06	20	TITUS	6
RB	301FL	20"x18"	-	0-950	18"x16"	N/A	NO	0.05	20	TITUS	6
EA	50F	12"x12"	-	0-400	10"x10"	N/A	NOTE #4	0.07	20	TITUS	6,7
EB	50F	24"x12"	-	0-900	22"x10"	N/A	NOTE #4	0.06	20	TITUS	6,7
EC	350RL	36"x20"	-	0-2,250	36"x18"	N/A	NOTE #4	0.07	25	TITUS	6,7

* AT MAX. CFM

- KEYED NOTES (AIR DEVICE SCHEDULE):
1. FIELD INSULATE PLENUM BOX OR BACKSIDE OF DIFFUSER.
 2. 22.5 DEGREE DEFLECTION, 3/4" BLADE SPACING.
 3. STEEL CONSTRUCTION.
 4. O.B.D. REQUIRED AT DUCTED EXHAUST LOCATION WHERE AIR DEVICE IS USED IN A GYP. CEILING.
 5. 2-WAY SQUARE DISCHARGE PATTERN.
 6. ANGLE AT 30 DEGREE. BELOW HORIZONTAL CENTERLINE.
 7. 24x24" MODULE SIZE FOR LAY-IN CEILING INSTALLATION.

- GENERAL NOTES (AIR DEVICE SCHEDULE):
1. ALL AIR DEVICES TO BE ALUMINUM, WHITE FINISH UNLESS NOTED OTHERWISE.
 2. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES. ALL AIR DEVICES MOUNTED IN A DRYWALL CEILING SHALL HAVE A MOUNTING FRAME.
 3. FOR 2-WAY DISCHARGE, THROWS LISTED REFLECT AIRFLOW IN A SINGLE DIRECTION.
 4. P.D. ("WG) REFLECTS "TOTAL" PRESSURE (STATIC AND DYNAMIC).
 5. REFER TO FLEX DUCT SCHEDULE FOR DUCT SIZES.
 6. TRANSITION AS REQUIRED TO CONNECT DUCT TO AIR DEVICE.

FAN SCHEDULE

MARK	TYPE	MANUFACTURER & MODEL	SERVICE	CFM	ESP	BHP	V/PH	SONES	DRIVE	NOTES
EF-1	CEILING	GREENHECK SP-A390	RESTROOM	300	.7	0.07	115 / 1	5.5	DIRECT	1-4,6
EF-2	CEILING	GREENHECK SP-A390	RESTROOM	300	.7	0.07	115 / 1	5.5	DIRECT	1-4,6
EF-3	CEILING	GREENHECK SP-A70	JANITOR	75	.06	0.01	115 / 1	0.3	DIRECT	1-4,7
EF-4	CEILING	GREENHECK SP-A70	CHANGING	100	.06	0.01	115 / 1	0.3	DIRECT	1-4,6
EF-5	CEILING	GREENHECK SP-A70	COPY/COFFEE	75	.06	0.01	115 / 1	0.3	DIRECT	1-4,6
EF-6	CEILING	GREENHECK SP-A70	LAUNDRY	100	.06	0.01	115 / 1	0.3	DIRECT	1-4,6

- NOTES (FAN SCHEDULE):
1. PROVIDE MANUFACTURER'S STANDARD MOTOR-RATED SWITCH.
 2. PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.
 3. PROVIDE WITH SPEED CONTROL.
 4. FURNISH WITH MOTOR GUARD, WALL HOUSING, BACKDRAFT DAMPER AND 45 DEGREE WEATHER HOOD WITH BIRDSCREEN.
 5. FURNISH WITH WALL MTD ON/OFF SPEED CONTROLLER, VARIABLE FREQUENCY DRIVE, FIRE ALARM CONTROL RELAY, UNIVERSAL OVERHEAD MOUNTING KIT AND DISCONNECT.
 6. INTERLOCK EXHAUST FAN WITH DOAS UNIT
 7. FAN TO OPERATE CONTINUOUSLY



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FRI COUNTY

MECHANICAL SCHEDULES

100% SUBMITTAL
Scale: As Indicated
200223(cz)

05/05/2021

M-301

PLUMBING SYMBOLS AND ABBREVIATIONS

NOTE: SELDOM ARE ALL SYMBOLS AND ABBREVIATIONS USED IN THE DRAWINGS; REFERENCE ONLY THOSE THAT ARE APPLICABLE.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GAS COCK OR PLUG VALVE		YARD CLEANOUT OR CLEANOUT TO GRADE		COLD WATER PIPING		WASTE PIPING (ACID RESISTANT)	ABV	ABOVE
	PRESSURE RELIEF VALVE		VALVE IN RISER (TYPE AS SPEC'D OR NOTED)		HOT WATER PIPING		VENT PIPING (ACID RESISTANT)	AC	ABOVE CEILING
	TEMPERATURE AND PRESSURE RELIEF VALVE		PLUMBING FIXTURES		HOT WATER RETURN PIPING		FIRE PROTECTION PIPING	AD	ACCESS DOOR
	FLOW SWITCH		NOTES (NEW CONSTRUCTION)		VENT PIPING		AUTOMATIC SPRINKLER	ADA	AMERICANS WITH DISABILITIES ACT
	FLOOR DRAIN, (TYPE)		DEMOLITION NOTES		120" HOT WATER PIPING		SOFT WATER PIPING	ADJUST	ADJUSTABLE
	FLOOR SINK, (TYPE)		EQUIPMENT IDENTIFICATION		120" HOT WATER RETURN PIPING		DEIONIZED WATER PIPING	AFF	ABOVE FINISHED FLOOR
	PRESSURE SWITCH		PLUMBING FIXTURE AND EQUIPMENT MARK		140" HOT WATER PIPING		GREASE WASTE PIPING	AFG	ABOVE FINISHED GRADE
	GATE VALVE		PLUMBING RISER		160" HOT WATER PIPING		GREASE VENT PIPING	AP	ACCESS PANEL
	TAMPER SWITCH		GAS METER		190" HOT WATER PIPING		HEAT TRACED (115° F) HOT WATER PIPING	ASSY	ASSEMBLY
	O.S.&Y VALVE		UNION (FLANGED)		120" HOT WATER RETURN PIPING		TRAP-PRIMER PIPING (1/2" COPPER)	AV	AIR VENT
	BUTTERFLY VALVE		CLEANOUT PLUG		140" HOT WATER RETURN PIPING		PUMPED DRAIN PIPING	AVTR	ACID VENT THRU ROOF
	SOLENOID VALVE		FLOOR CLEANOUT		160" HOT WATER RETURN PIPING		TEMPERED WATER PIPING	BF	BELOW FLOOR
	POST INDICATOR VALVE		CONNECT TO EXISTING (PROVIDE AND INSTALL ALL NECESSARY TRANSITION FITTINGS)		190" HOT WATER RETURN PIPING		SANITARY SEWER PIPING (WASTE)	BV	BALL VALVE
	SWING CHECK VALVE		DETAIL REFERENCE NUMBER ON SHEET		COMPRESSED AIR PIPING		DRAIN PIPING	CI	CAST IRON
	NON-SLAM CHECK VALVE		SHEET NUMBER		MEDICAL AIR PIPING		DRAIN VENT PIPING	CLG	CEILING
	BALL VALVE		PRIMARY ROOF DRAIN (OUTLET SIZE)		MEDICAL VACUUM PIPING		NATURAL GAS PIPING	CO	CLEANOUT
	PIPE RISE (R) OR DROP (D)		SECONDARY (EMERGENCY OVERFLOW DRAIN) ROOF DRAIN (OUTLET SIZE)		MEDICAL OXYGEN PIPING		NATURAL GAS PIPING (MED PRESS)	CONG	CONCRETE
	FLOW - IN DIRECTION OF ARROW				MED NITROUS OXIDE PIPING		ROOF DRAIN PIPING (PRIMARY SYSTEM)	COND	CONDENSATE
	CAP ON END OF PIPE				MED NITROGEN PIPING		ROOF DRAIN PIPING (SECONDARY 'EMERGENCY OVERFLOW DRAIN' SYSTEM)	CONN	CONNECTION
	CONCENTRIC REDUCER				WASTE ANESTHETIC GAS DISPOSAL PIPING		SITE STORM DRAIN PIPING	CONT	CONTINUATION
					COMBUSTION AIR EXHAUST			C.W.B.F.	COLD WATER PIPING BELOW FLOOR
					COMBUSTION AIR INTAKE			C.W.O.H.	COLD WATER PIPING OVERHEAD

NOTE: EXISTING PIPING, FITTINGS AND EQUIPMENT WILL BE INDICATED WITH A LIGHTER LINE WEIGHT THAN NEW WORK.

PLUMBING GENERAL NOTES (APPLY TO ALL SHEETS):

- ALL MATERIALS AND CONSTRUCTION PROCEDURES PERTAINING TO THE WORK DESCRIBED IN THESE DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
- CONTRACTORS SHALL OBTAIN AND MAKE PROVISION FOR ALL PERMITS, INSPECTIONS, AND TESTS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS AT THE SITE AND NOTING ALL DISCREPANCIES TO THE OWNER PRIOR TO WORK COMMENCEMENT; THEREAFTER, THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ALL EXISTING CONDITIONS AND SHALL BE SOLELY RESPONSIBLE FOR MAKING ALL SUITABLE ADJUSTMENTS NECESSARY TO ACCOMMODATE NEW WORK AT NO ADDITIONAL COST TO THE OWNER; ANY SUCH ADJUSTMENTS SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.
- CONTRACTORS SHALL INCORPORATE ALL DISCREPANCIES AND ADJUSTMENTS INTO THE CONSTRUCTION DOCUMENTS.
- CONTRACTORS SHALL COORDINATE ALL WORK WITH OTHER TRADES AND INCLUDE ALL NECESSARY MODIFICATIONS TO ACCOMMODATE THEIR WORK.
- CONTRACTORS SHALL COORDINATE ALL WORK WITH THE OWNER.
- ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF INSTALLATION.
- CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES AND SUBCONTRACTORS AND ALL OTHER PERSONS IN THE AREAS OF CONSTRUCTION. CONTRACTORS SHALL ALSO BE RESPONSIBLE FOR THE SAFETY OF ALL PROPERTY BEING ERRECTED.
- PLUMBING SERVICES THAT INTERFERE WITH ANY NEW ARCHITECTURAL WORK SHALL BE RELOCATED AS NECESSARY.

Revisions

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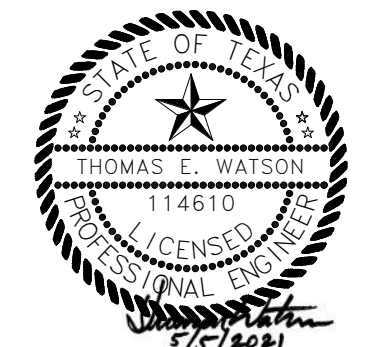
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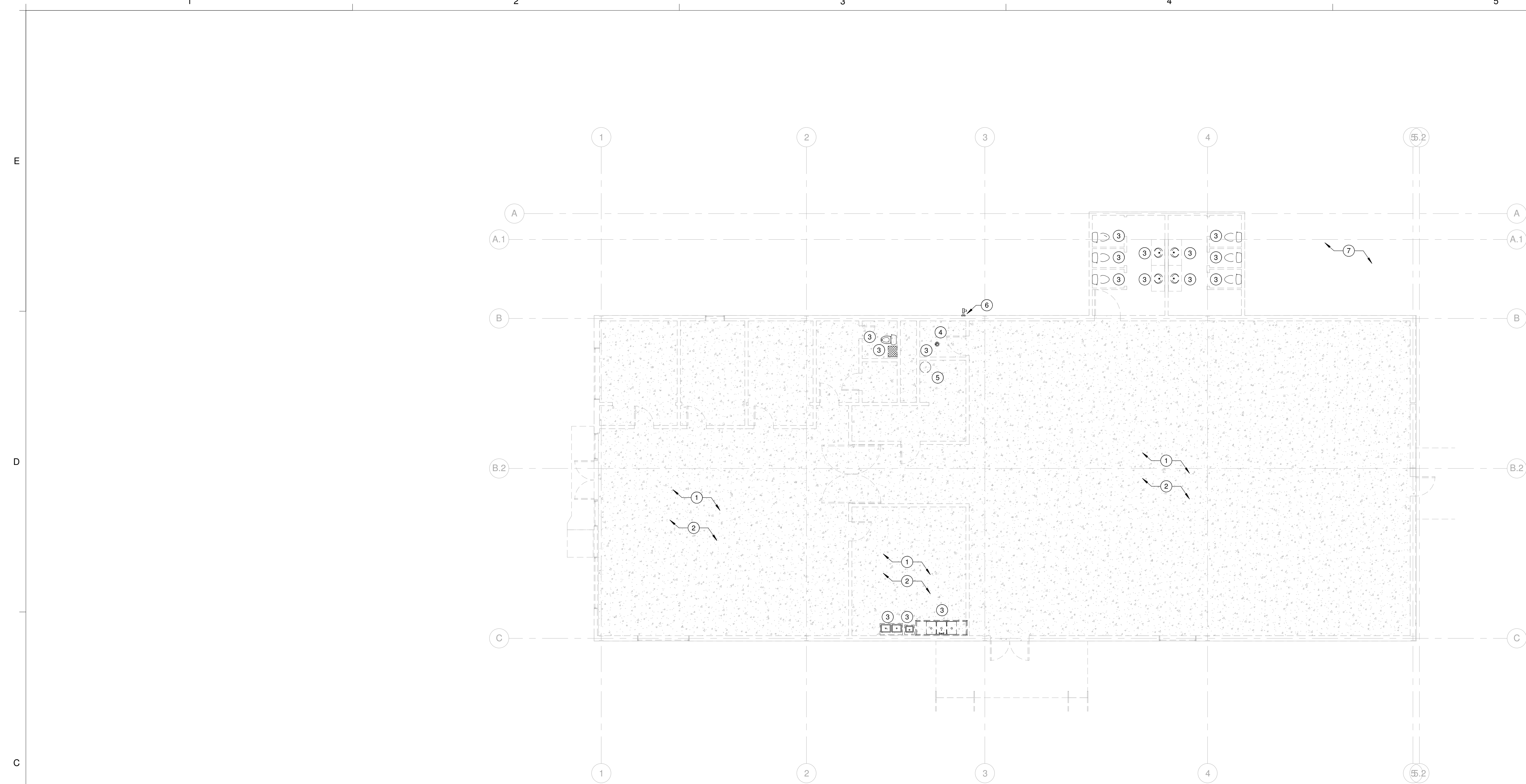
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FRI COUNTY

PLUMBING SYMBOLS AND ABBREVIATIONS



1
PD-101

PLUMBING DEMOLITION PLAN

1/8" = 1'-0"

0' 4' 8' 16' 32'

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

- PLUMBING DEMOLITION KEYED NOTES (RE: 1/PD-101):**
- 1 DEMO ALL EXISTING PVC DOMESTIC WATER PIPING.
 - 2 DEMO ALL INTERIOR NATURAL GAS PIPING.
 - 3 DEMO EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED PIPING..
 - 4 DEMO EXISTING FLOOR DRAIN AND CAP AND SEAL WASTE PIPING BELOW FLOOR.
 - 5 DEMO EXISTING ELECTRIC WATER HEATER AND ALL ASSOCIATED PIPIING.
 - 6 DEMO EXISTING GAS REGULATOR AND ALL ASSOCIATED EXTERIOR GAS PIPING.
 - 7 DEMO EXISTING SEPTIC TANK IN THIS AREA. FEILD VERIFY EXACT LOCATION. REFER TO CIVIL.

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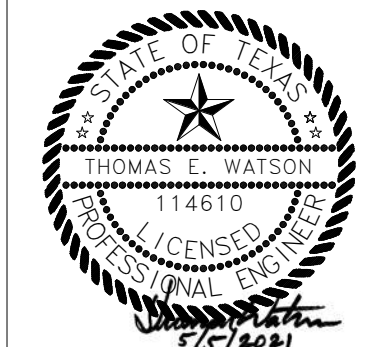
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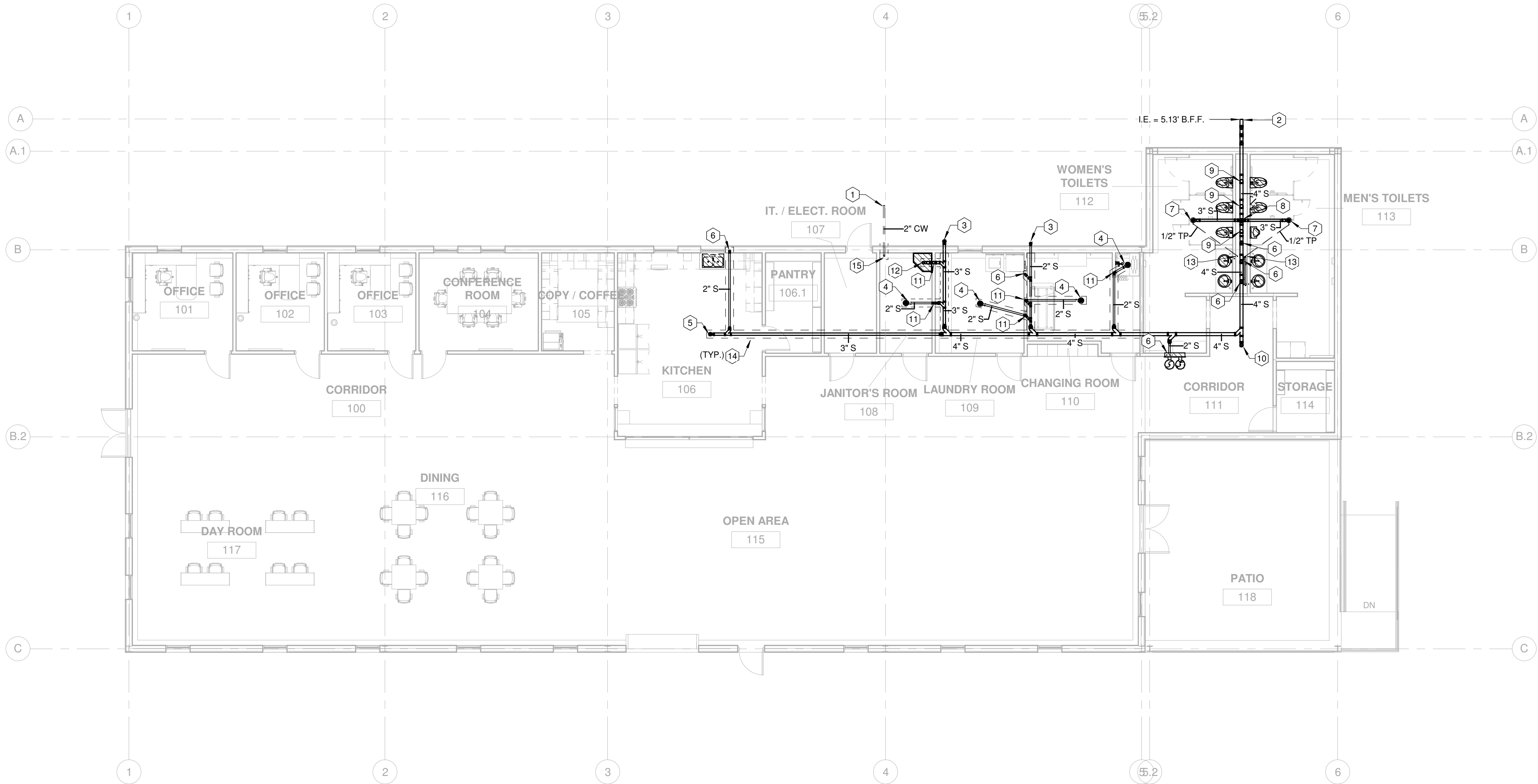


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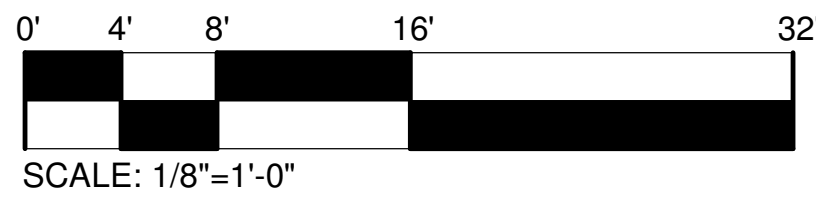
FRI COUNTY

PLUMBING DEMOLITION PLAN	
100% SUBMITTAL	
Scale: As Indicated	
200223(cz)	
05/05/2021	

PD-101



1 PLUMBING UNDERFLOOR PLAN
P-101 1/8" = 1'-0"



PLUMBING KEYED NOTES:

- ① 2" DOMESTIC WATER STUB-OUT (48GPM). REFER TO CIVIL FOR CONTINUATION.
- ② 4" SANITARY SEWER STUB-OUT (30.5 DFU'S) (I.E. = 5.13' B.F.F.). REFER TO CIVIL FOR CONTINUATION.
- ③ 3" WASTE FROM YARD CLEANOUT ABOVE.
- ④ 2" WASTE FROM FLOOR DRAIN ABOVE.
- ⑤ 3" WASTE FROM FLOOR CLEANOUT ABOVE.
- ⑥ 2" WASTE FROM FLOOR ABOVE.
- ⑦ 3" WASTE FROM FLOOR DRAIN ABOVE. CONNECT 1/2" TRAP PRIMER LINE FROM LAVATORY TAILPIECE TO P-TRAP.
- ⑧ OFFSET 2" VENT IN CHASE TO ABOVE CEILING.
- ⑨ 4" WASTE FROM ABOVE.
- ⑩ 4" WASTE FROM FLOOR CLEANOUT ABOVE.
- ⑪ 1-1/2" VENT UP TO ABOVE CEILING.
- ⑫ 3" WASTE FROM MOP SINK ABOVE.
- ⑬ 1/2" TRAP PRIMER LINE FROM LAVATORY TAILPIECE ABOVE.
- ⑭ SAW-CUT EXISTING SLAB FOR INSTALLATION OF NEW PIPING. REFER TO P-000 FIR SPECIFIC REQUIREMENTS.
- ⑮ 2" DOMESTIC COLD WATER RISER UP TO ABOVE.

Revisions

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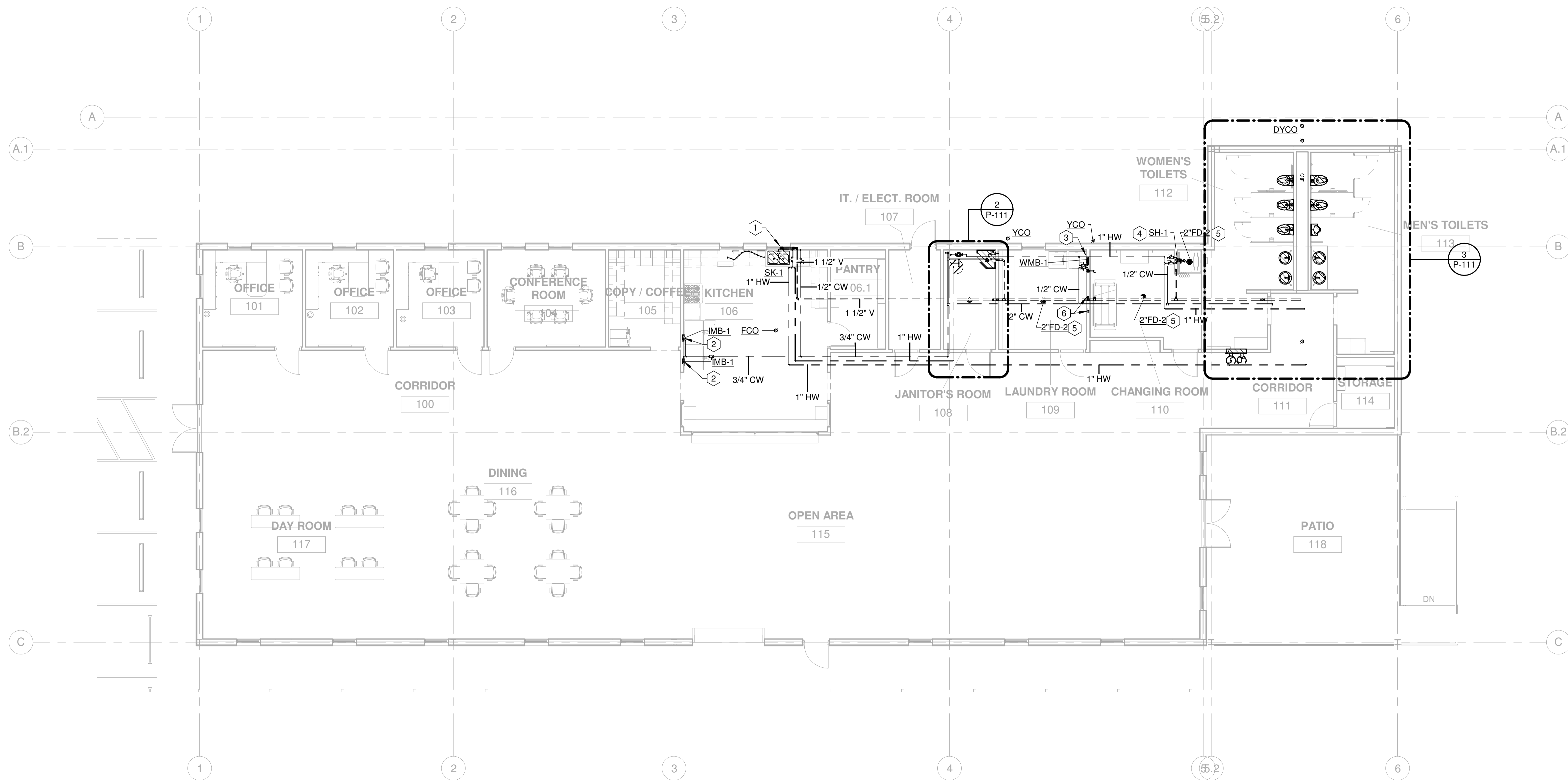


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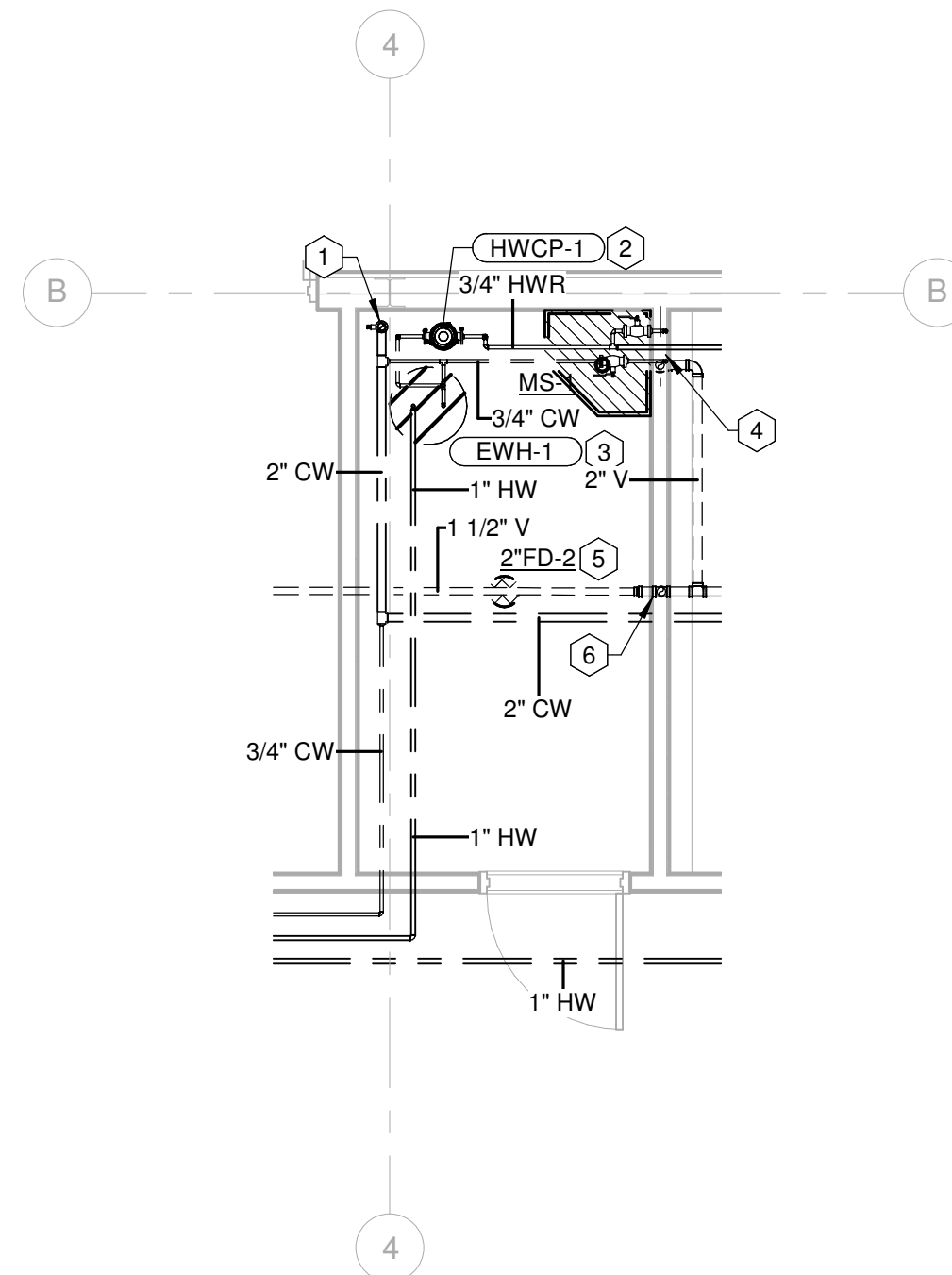
FRI COUNTY

PLUMBING
UNDERFLOOR
PLAN

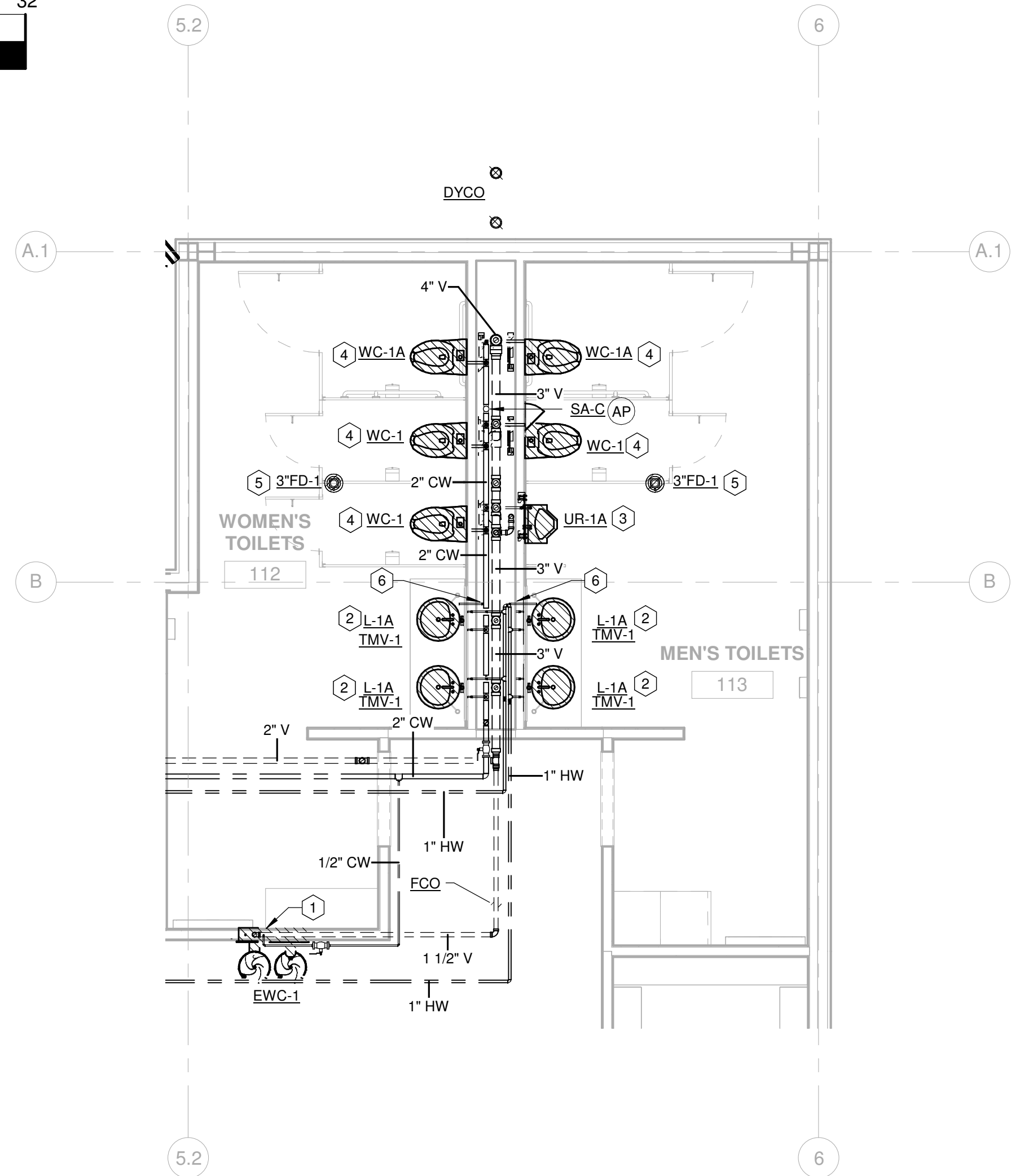
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1 PLUMBING FLOOR PLAN
1/8" = 1'-0"
0' 4' 8' 16' 32'
SCALE: 1/8"=1'-0"



2 PLUMBING ENLARGED PLAN - JANITOR ROOM
1/4" = 1'-0"
0' 2' 4' 8' 16'
SCALE: 1/4"=1'-0"



3 PLUMBING ENLARGED PLAN - RESTROOMS
1/4" = 1'-0"
0' 4' 8' 16'
SCALE: 1/4"=1'-0"

PLUMBING KEYED NOTES (RE:1/P-111):

- ROUTE 1/2" COLD AND HOT WATER DOWN IN WALL TO SERVE SINK (SK-1). ROUTE 2" WASTE DOWN TO BELOW FLOOR. OFFSET 1-1/2" VENT IN WALL TO ABOVE CEILING. PROVIDE 1/2" HOT WATER LINE TO DISHWASHER. ROUTE 1/2" FLEXIBLE DRAIN LINE FROM DISHWASHER TO P-TRAP AND PROVIDE AIR GAP.
- ROUTE 1/2" COLD WATER DOWN IN WALL TO SERVE ICE MAKER BOX (IMB-1).
- ROUTE 1/2" HOT AND COLD WATER DOWN IN WALL TO WASHER/DRAIN BOX. ROUTE 2" WASTE DOWN TO BELOW FLOOR. OFFSET 1-1/2" VENT ABOVE CEILING. REFER TO DETAIL.
- ROUTE 1/2" COLD AND HOT WATER DOWN IN WALL TO SERVE SHOWER MIXING VALVE (SH-1).
- PROVIDE TRAP GUARD EQUAL TO MIFAB #MI-GARD-2.
- ROUTE 1-1/2" VENT UP IN WALL TO ABOVE CEILING.

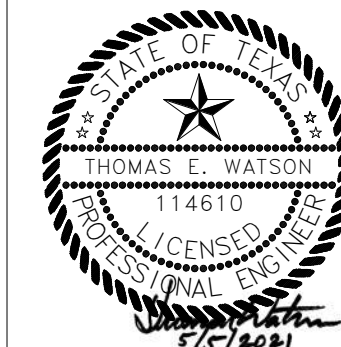
PLUMBING KEYED NOTES (RE:3/P-111):

- ROUTE 1/2" COLD WATER DOWN IN WALL TO SERVE ELECTRONIC WATER COOLER (EWC-1). ROUTE 2" WASTE DOWN TO BELOW FLOOR. OFFSET 1-1/2" VENT UP IN WALL TO ABOVE CEILING.
- ROUTE 1/2" HOT AND COLD WATER IN CHASE TO SERVE LAVATORY (L-1) AND PROVIDE MIXING VALVE (TMV-1). ROUTE 2" WASTE DOWN TO FLOOR BELOW. OFFSET 2" VENT TO ABOVE CEILING.
- ROUTE 3/4" COLD WATER IN CHASE TO SERVE URINAL (UR-1A). ROUTE 2" WASTE DOWN TO BELOW FLOOR. OFFSET 1-1/2" VENT IN CHASE.
- ROUTE 1" COLD WATER IN CHASE TO SERVE WATER CLOSET (WC-1). ROUTE 4" WASTE DOWN TO BELOW FLOOR. OFFSET 2" VENT IN CHASE.
- INSTALL FLOOR DRAIN 1" BELOW FINISHED FLOOR AND FLOAT TILE TO DRAIN ASSEMBLY. PROVIDE TRAP PRIMER CONNECTION FROM LAVATORY TAILPIECE.
- ROUTE 1/2" TRAP PRIMER LINE FROM LAVATORY TAILPIECE DOWN IN CHASE AND CONNECT TO FLOOR DRAIN. REFER TO DETAIL.

PLUMBING KEYED NOTES (RE:2/P-111):

- 2" DOMESTIC COLD WATER RISER FROM BELOW FLOOR. PROVIDE FULL-SIZE SHUT-OFF VALVE ON VERTICAL PIPING.
- HOT WATER RECIRCULATION PUMP. REFER TO DETAIL.
- PROVIDE 3" CONCRETE HOUSEKEEPING PAD FOR ELECTRIC WATER HEATER (EWH-1). ROUTE T&P DRAIN AND DRAIN PAN DRAIN LINE ALONG WALL TO MOP SINK AND DISCHARGE WITH PROPER AIR GAP. REFER TO DETAIL.
- ROUTE 3/4" HOT AND COLD WATER DOWN IN WALL TO SERVE MOP SINK.
- PROVIDE TRAP GUARD EQUAL TO MIFAB #MI-GARD-2.
- ROUTE 2" VENT UP IN WALL TO ABOVE CEILING.

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**PLUMBING
FLOOR
PLANS**

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200223(cz)
05/05/2021

P-111

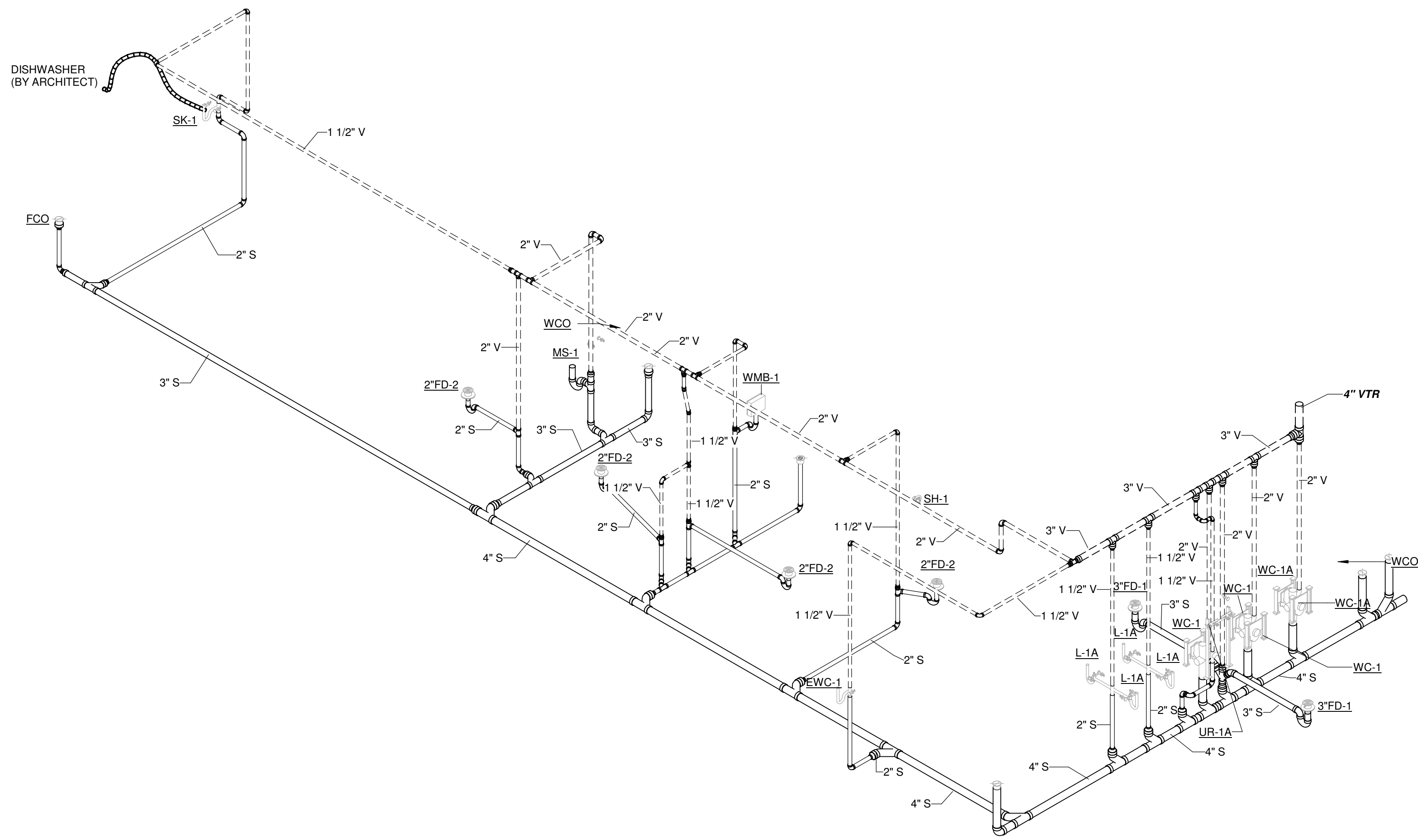
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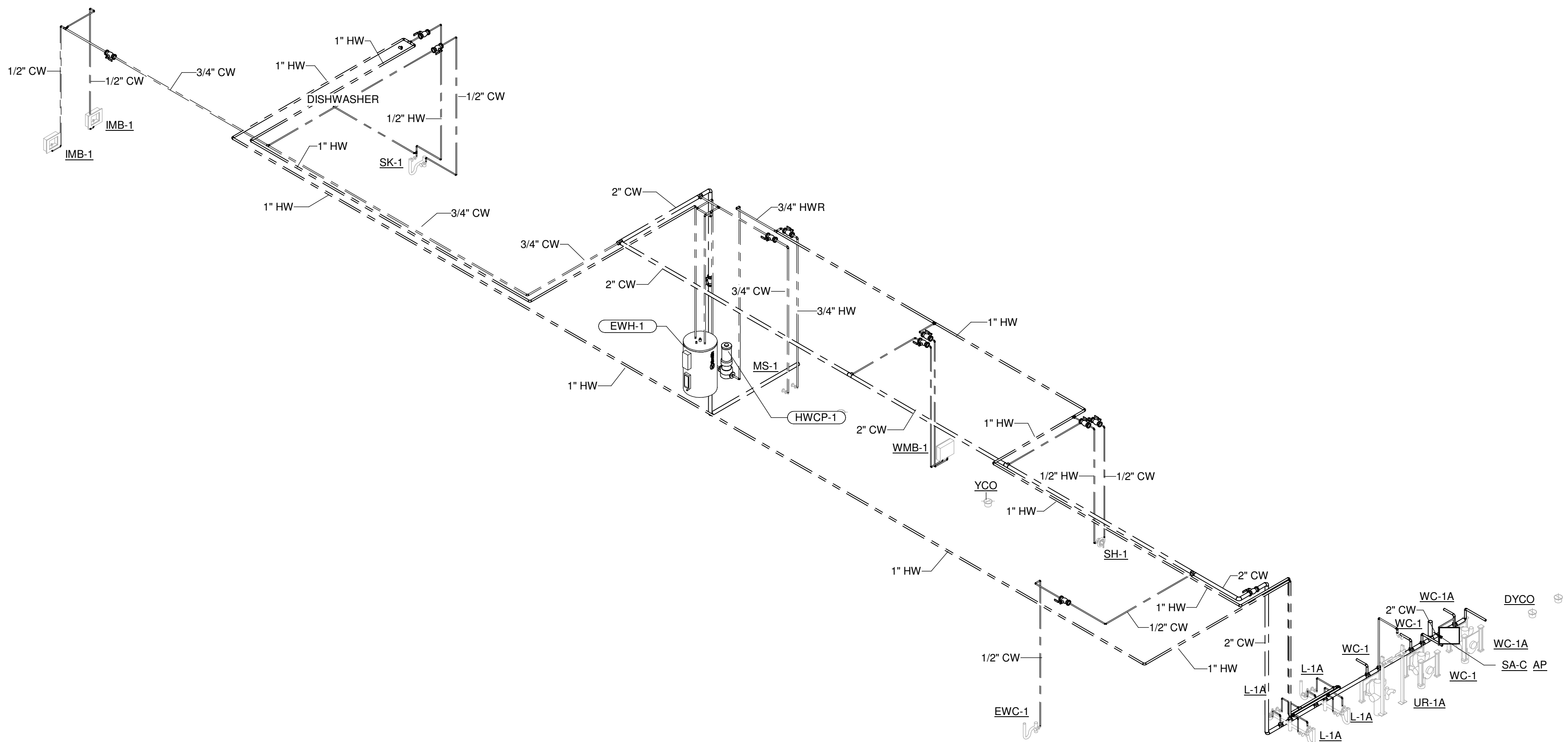
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1 WASTE AND VENT RISER DIAGRAM
P-401



2 DOMESTIC WATER RISER DIAGRAM
P-401

Revisions		
#	Description	Date

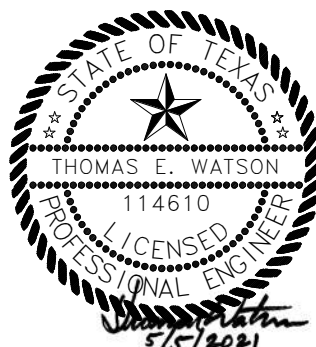
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FRI COUNTY

PLUMBING
RISERS

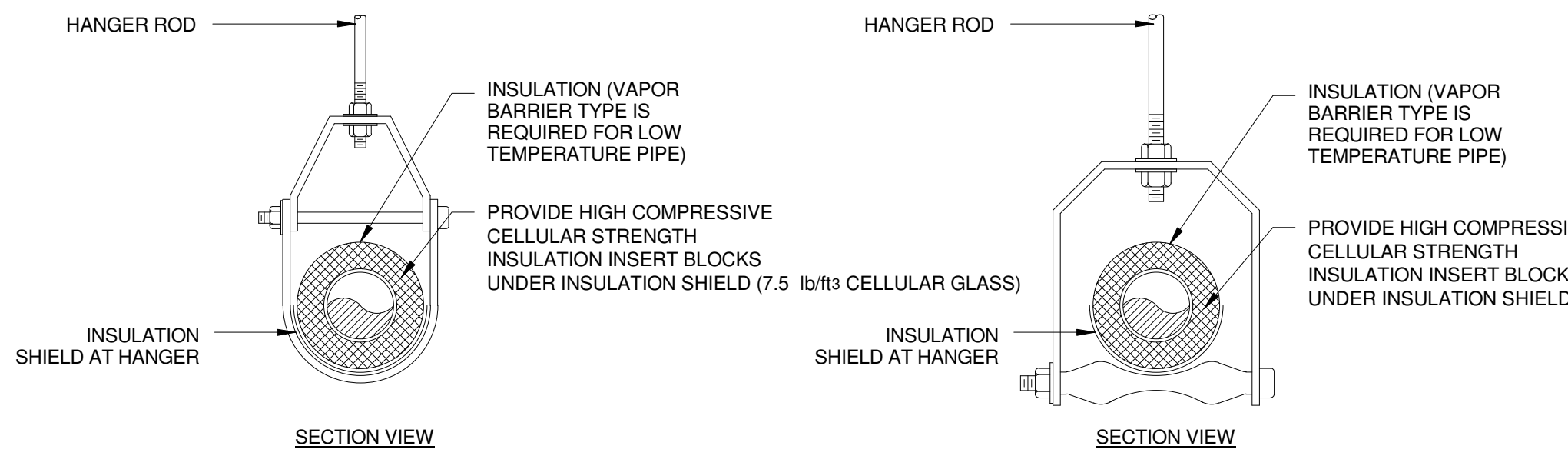
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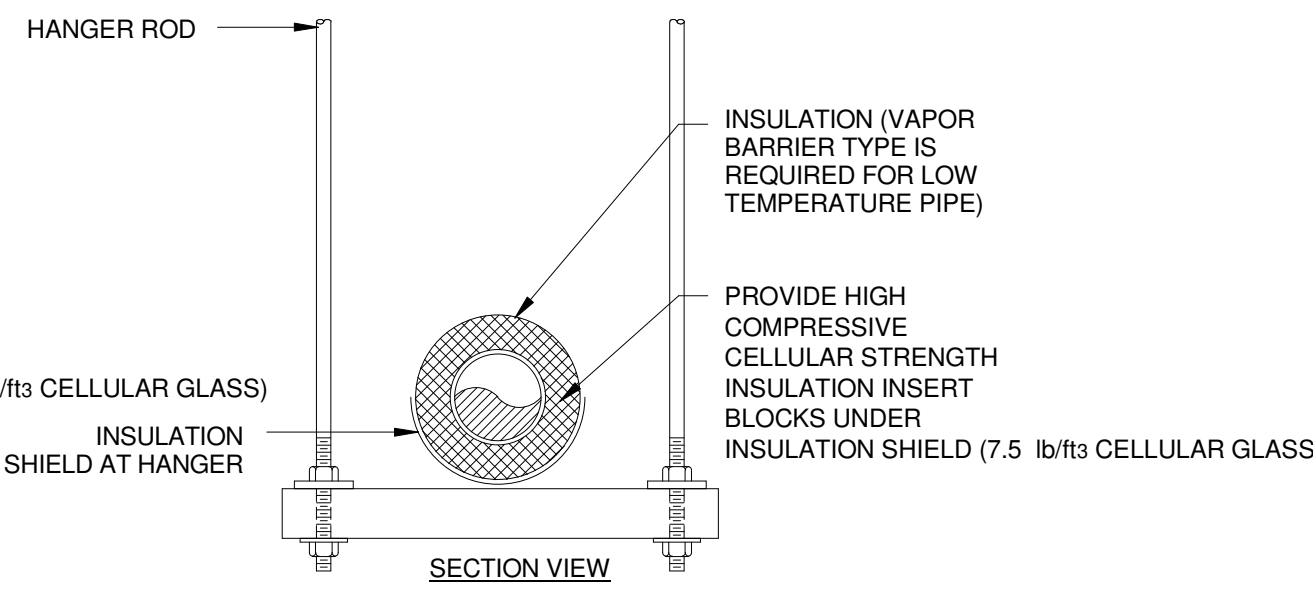
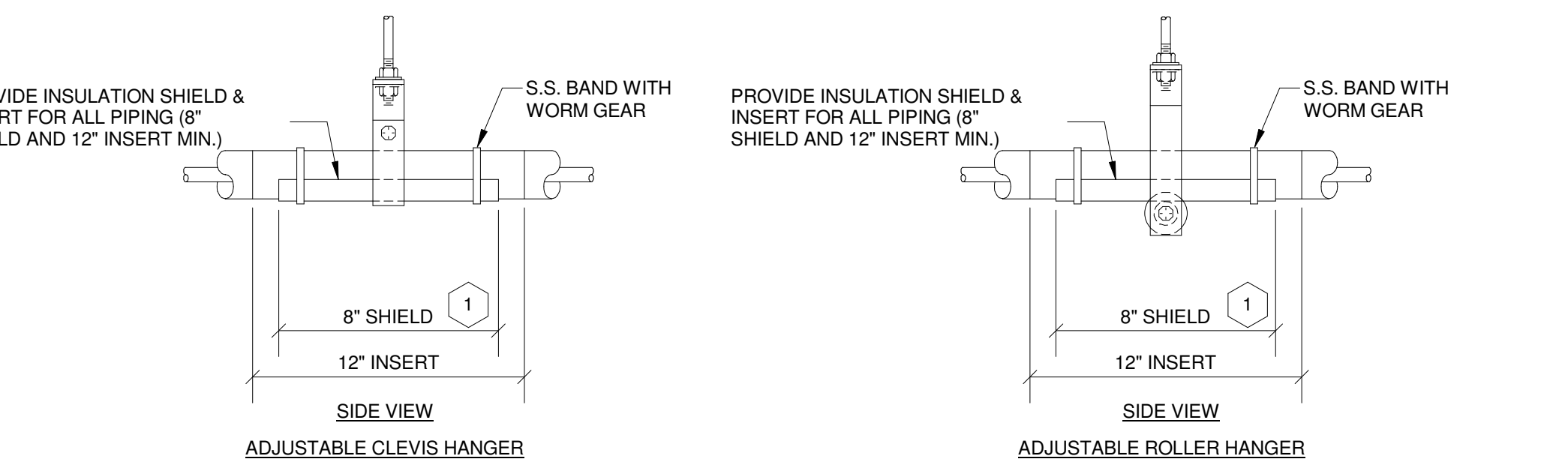
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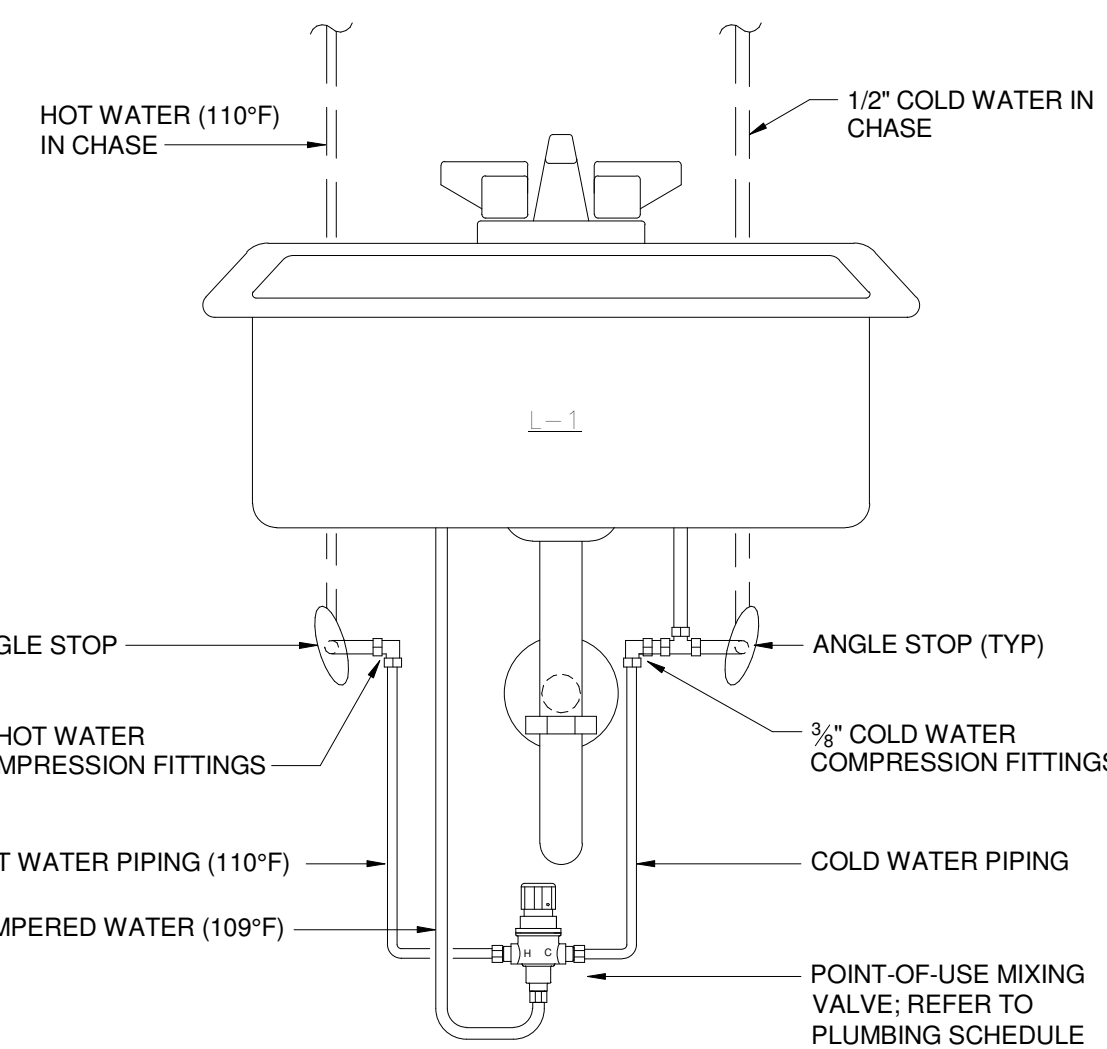


1 TYPICAL PIPE HANGERS
NOT TO SCALE

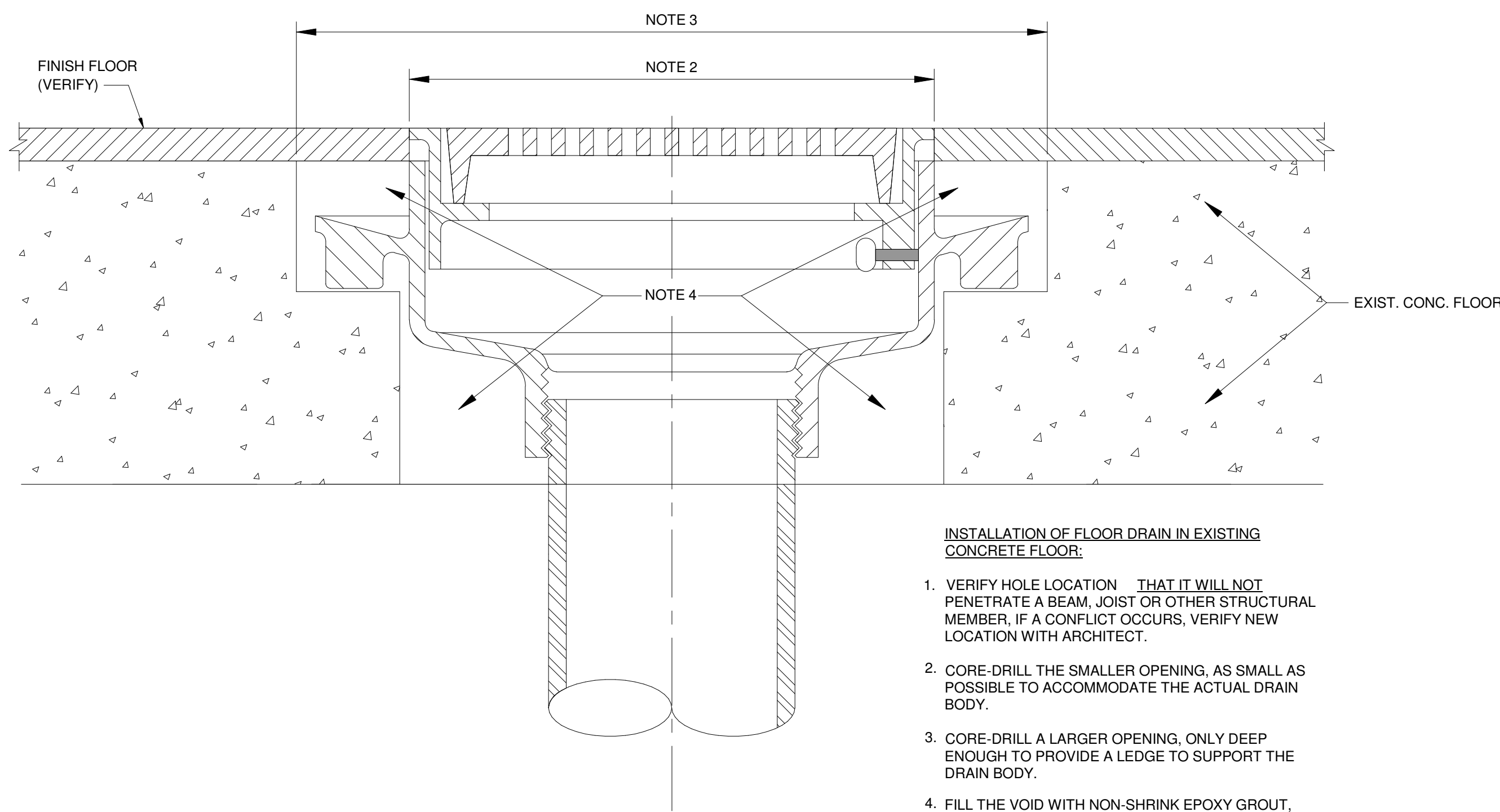


KEYED NOTES (ADJACENT DETAIL ONLY):
1 REFERENCE PREINSULATED PIPE MANUFACTURER REQUIRED SHIELD LENGTHS (UP TO 18" MIN).

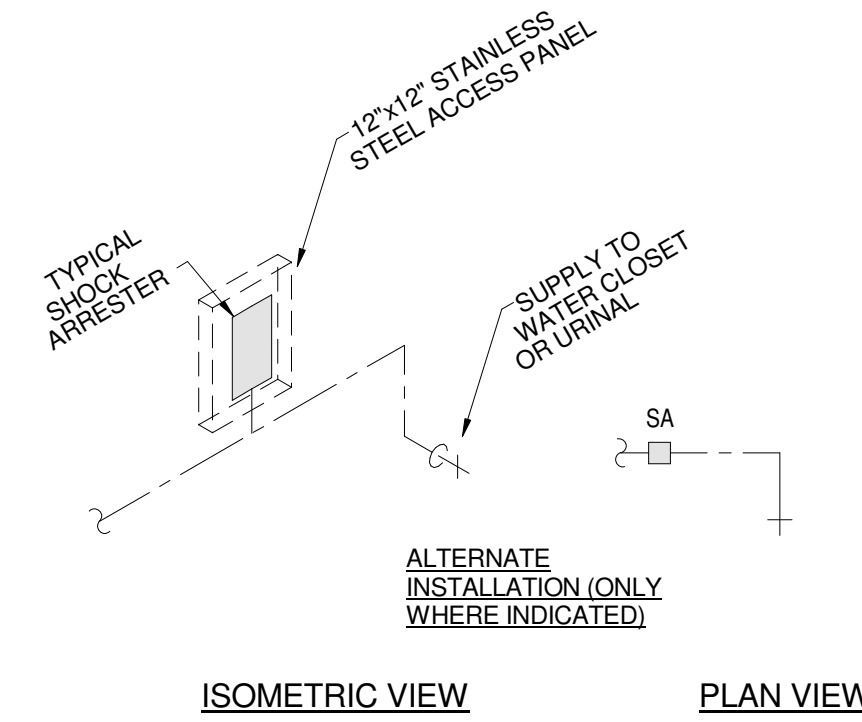
2 IN-LINE RECIRCULATING PUMP DETAIL
NOT TO SCALE



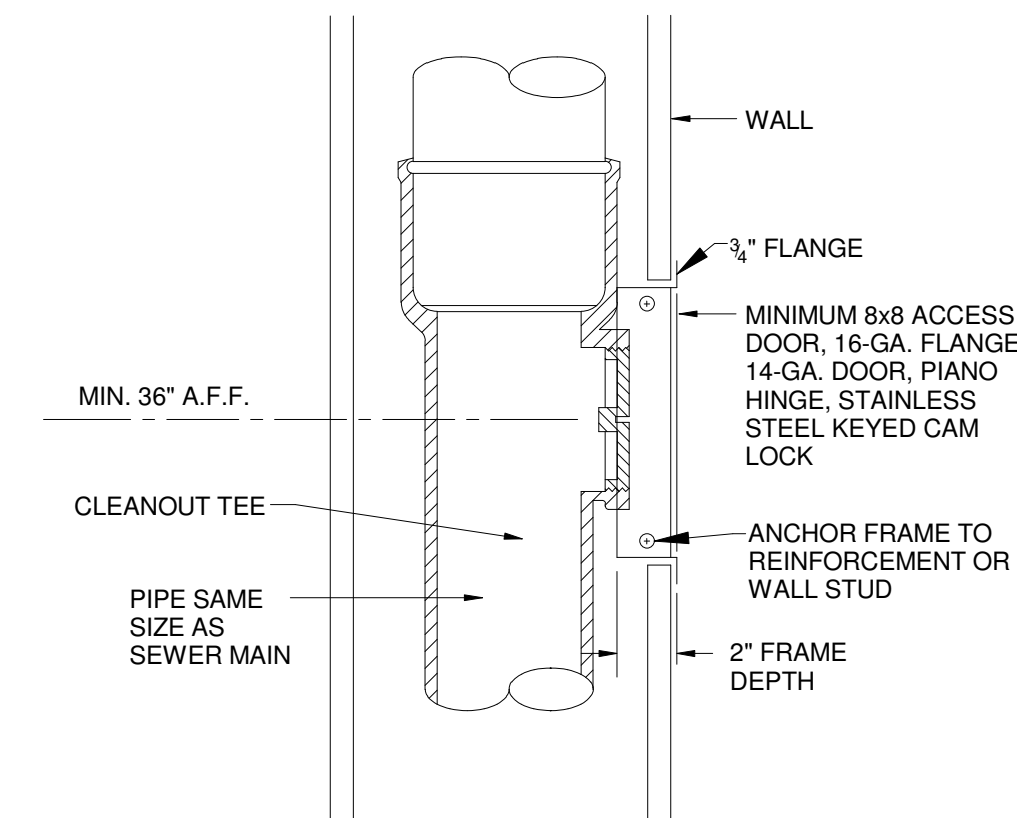
3 POINT-OF-USE MIXING VALVE DETAIL
NOT TO SCALE



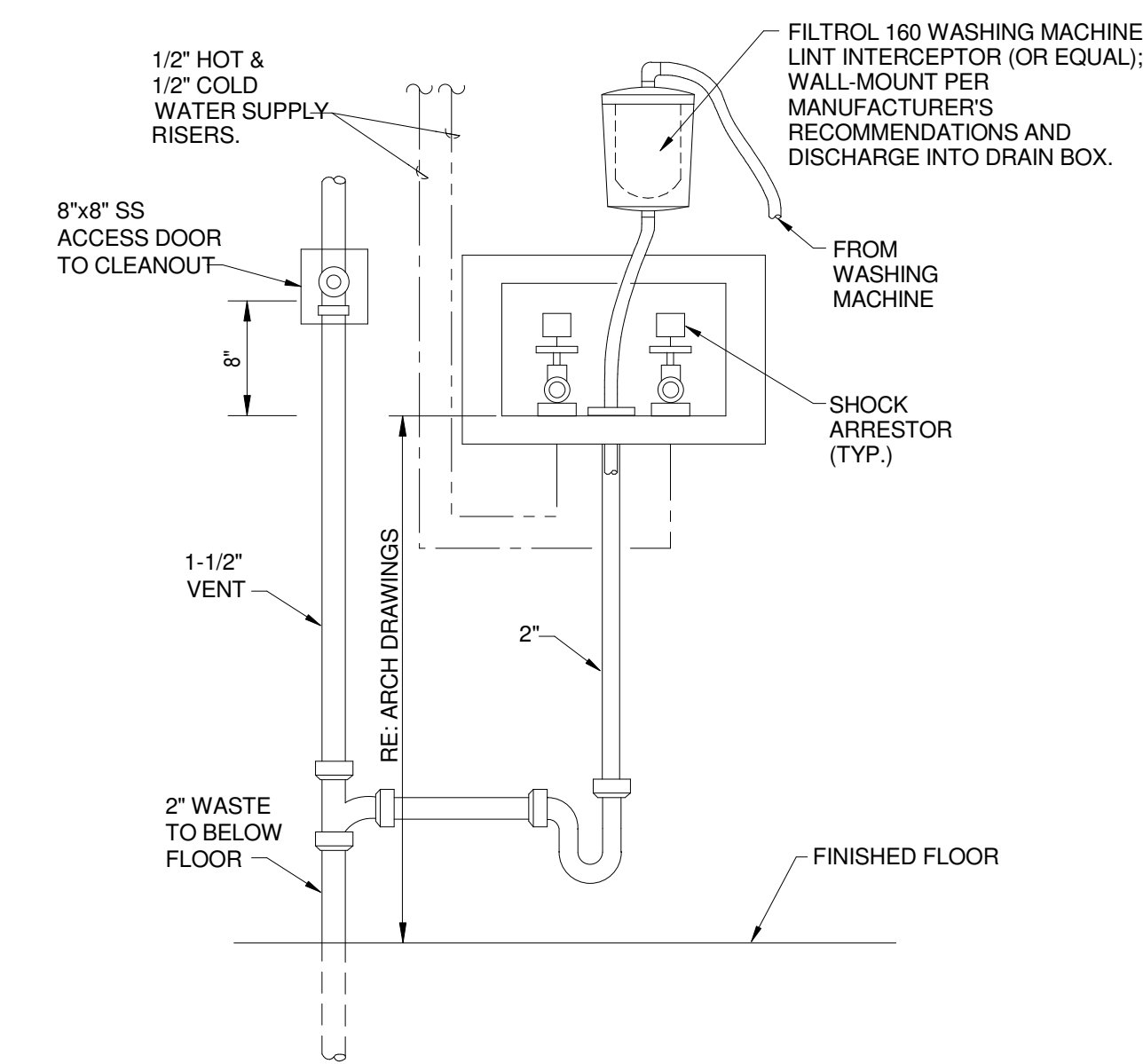
6 FLOOR DRAIN INSTALLATION FOR EXISTING SLAB DETAIL
NOT TO SCALE



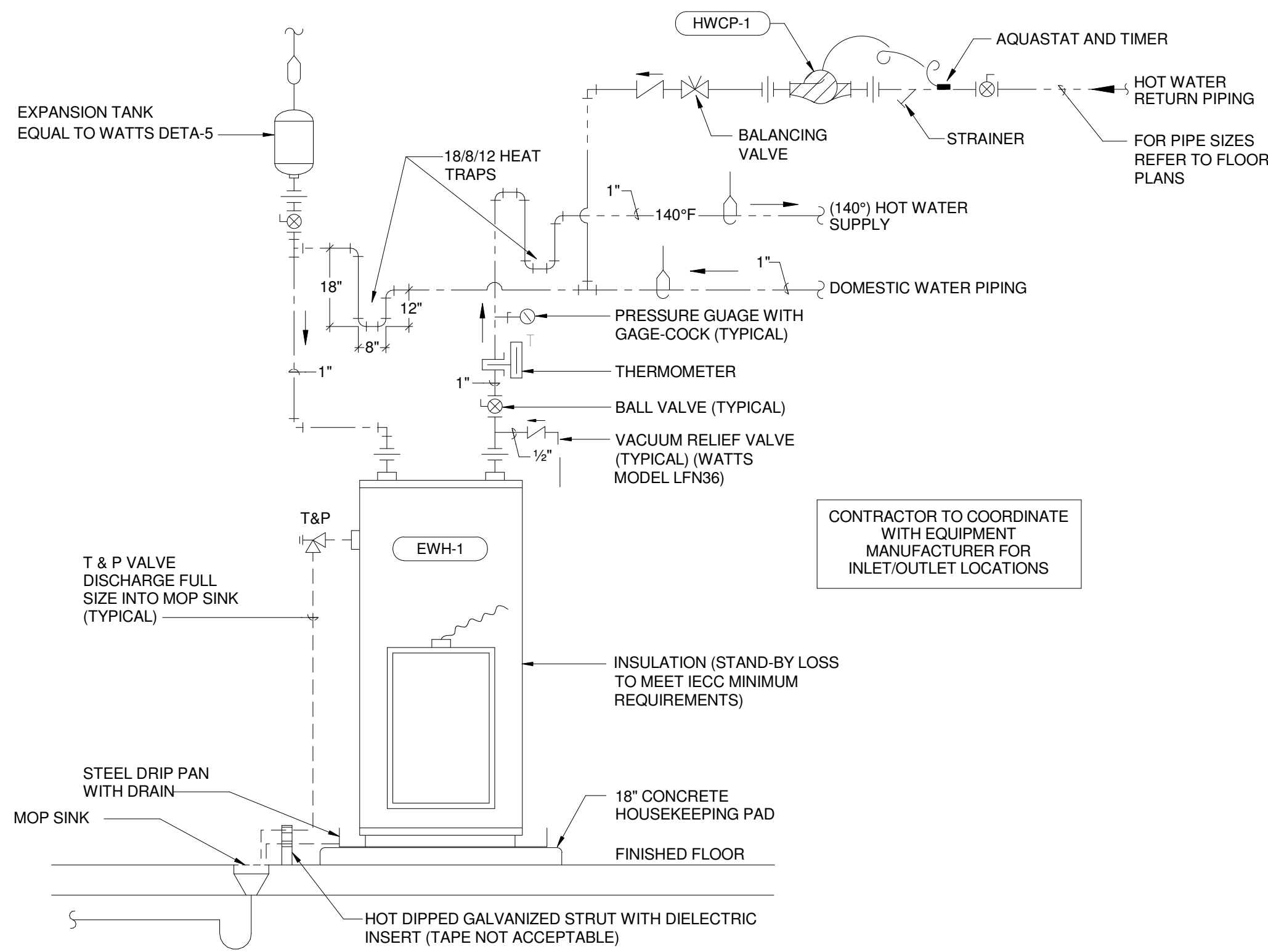
4 TYPICAL SHOCK ARRESTOR DETAIL
NOT TO SCALE



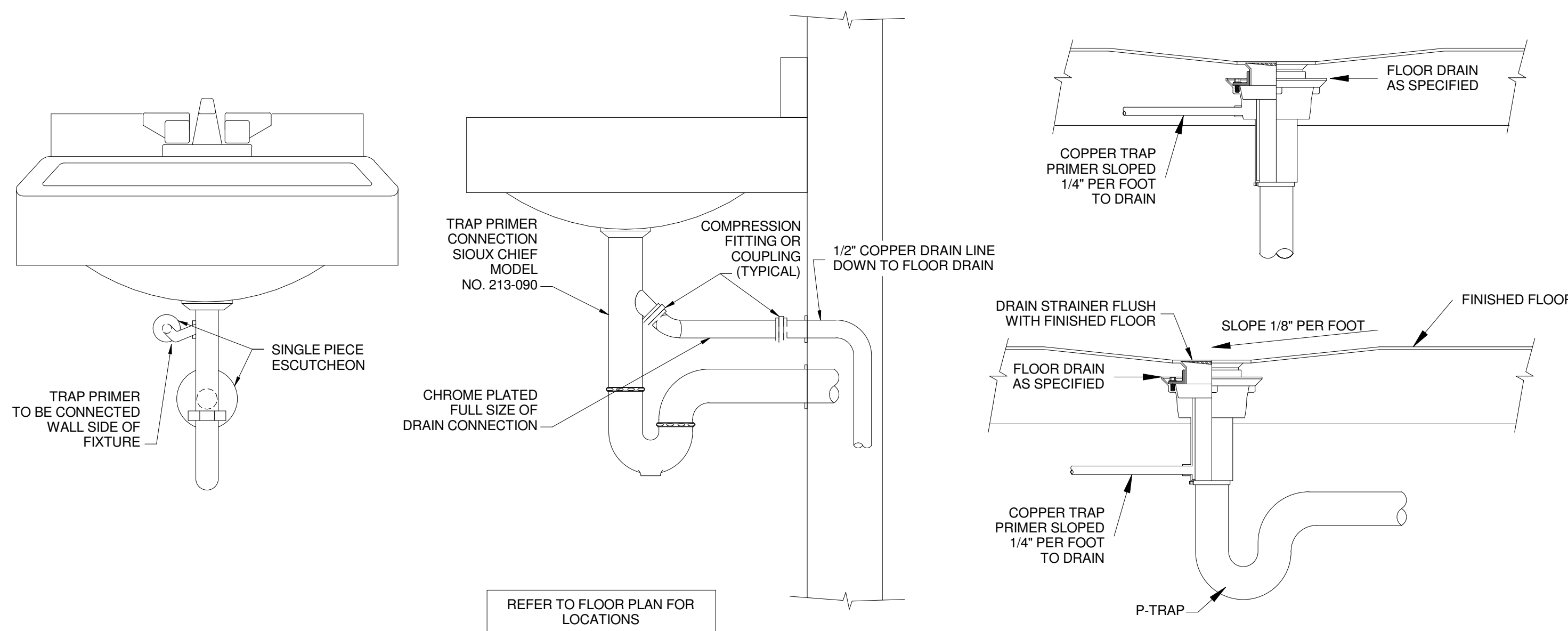
7 WALL CLEANOUT DETAIL
NOT TO SCALE



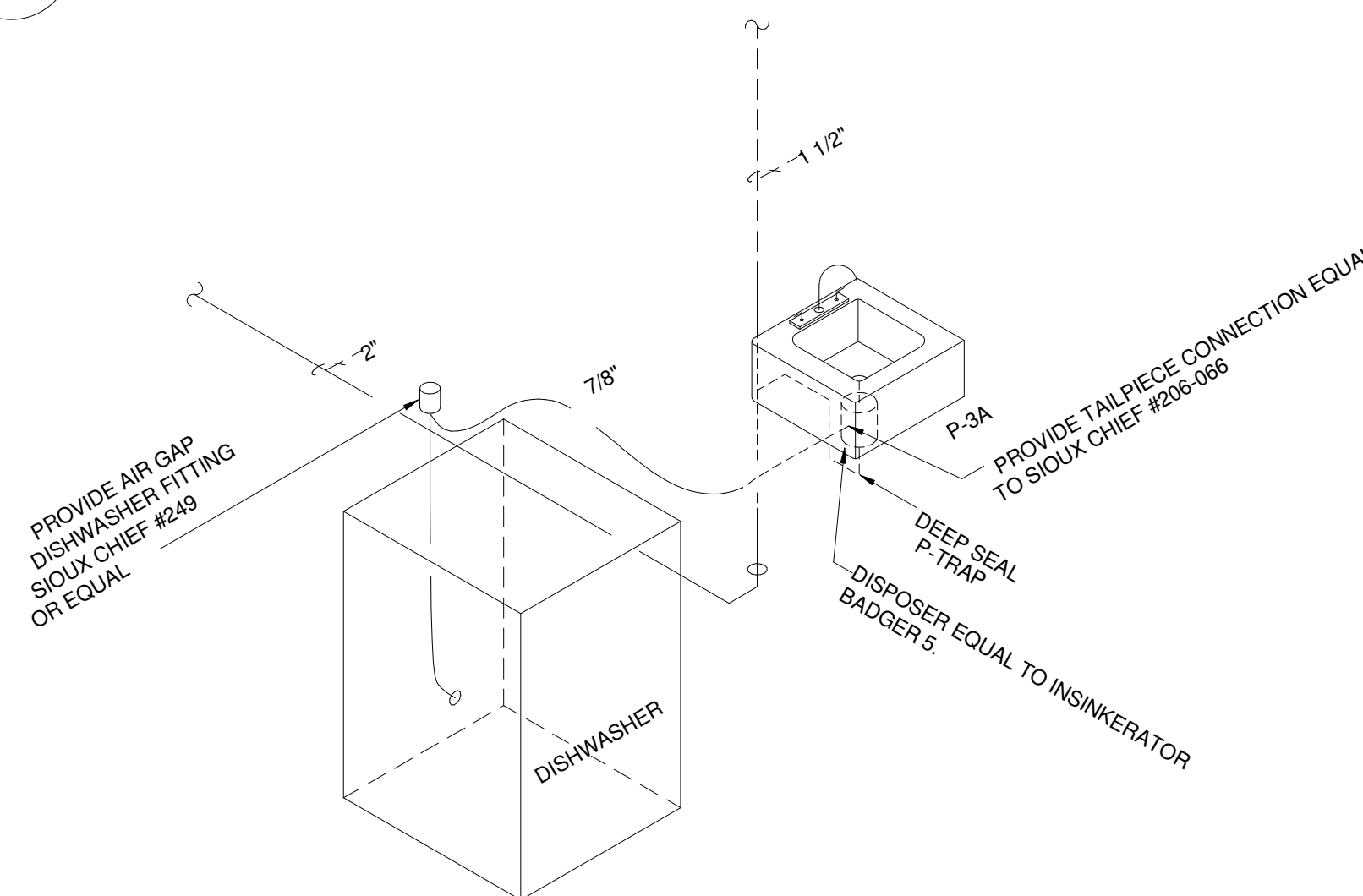
8 WASHER/DRAIN BOX CONNECTION
NOT TO SCALE



5 ELECTRIC WATER HEATER ASSEMBLY
NOT TO SCALE



9 TRAP PRIMER DETAIL
NOT TO SCALE



10 DISHWASHER PIPING SCHEMATIC
NOT TO SCALE

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E

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A

ELECTRICAL SYMBOLS AND ABBREVIATIONS

(SOME SYMBOLS MAY NOT BE APPLICABLE TO THIS PROJECT)

SYMBOLS

PANEL AND RELATED ITEMS

PANELBOARD (SEE SCHEDULE), SURFACE MOUNTED.

PANELBOARD (SEE SCHEDULE), FLUSH MOUNTED.

SWITCHBOARD OR DISTRIBUTION BOARD

MOTOR CONTROL CENTER

TRANSIENT VOLTAGE SURGE SUPPRESSOR.

PLYWOOD TELEPHONE BACKBOARD: PROVIDE WALL MOUNTED WHITE PAINTED 4x8" PLYWOOD BACKBOARD, SURGE PROTECTION, SECONDARY GROUND, AND TWO QUAD RECEPTACLES AT THE BASE OF THE BACKBOARD.

OUTLETS

SIMPLEX RECEPTACLE STAINLESS STEEL COVERPLATE.

DUPLEX RECEPTACLE, 20A, 1P, WITH COVER PLATE 5-20R. COLOR BY ARCHITECT/OWNER.

DUPLEX RECEPTACLE: GFI-GROUND FAULT INTERRUPTING, WP-WEATHERPROOF, T-TAMPER RESISTANT, IG-ORANGE ISOLATED GROUND, G-CLOCK OUTLET MOUNTED 18" BELOW CEILING, TV-TV RECEPTACLE WITH COMBINATION DUPLEX/COAX PLATE MOUNTED 76" AFF

DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, WITH COVER PLATE. COLOR BY ARCHITECT/OWNER.

RED DUPLEX RECEPTACLE WITH COVERPLATE CONNECTED TO STAND-BY POWER BRANCH. COLOR BY ARCHITECT/OWNER.

RED QUAD RECEPTACLE WITH COVERPLATE, CONNECTED TO STAND-BY POWER BRANCH. COLOR BY ARCHITECT/OWNER.

SPECIAL PURPOSE RECEPTACLE. SEE PANEL SCHEDULES AND FLOOR PLAN NOTES FOR TYPE. RECEPTACLE SHALL BE FLUSH MOUNT. PROVIDE TWO GANG BACKBOX, PLASTER RING, AND STAINLESS STEEL PLATE.

ROUND FLUSH FLOOR BOX WITH DUPLEX POWER, AND BRASS COVER PLATE. HUBBELL B2529 WITH SF3925 COVER.

FLOOR BOX HUBBELL LCBFSS (OR EQUIV.). PROVIDE 3/4" CONDUIT FOR POWER AND 1-1/2" CONDUIT FOR DATA/IT EQUIPMENT. PROVIDE TWO (2) 20A SINGLE POLE DUPLEX RECEPTACLES, AND TWO (2) TWO SPACE MODULAR RJ-45 JACK PLATES. SEE FLOOR PLANS/SPECS FOR DATA FILL AND WHETHER IT CONDUIT IS TO ABOVE ACCESSIBLE CEILING, CABLE TRAY, OR BACK TO IDF/MDF/PHONE BOARD. PROVIDE FLOOR INSERT.

POWER POLE

TELEPHONE OUTLET: TWO GANG BOX, CONDUIT BUSHINGS, PLASTER RING, 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.

TELEVISION OUTLET: FEMALE COAX JACK, WALL PLATE, 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.

DATA OUTLET: TWO GANG BOX, CONDUIT BUSHINGS, PLASTER RING, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING.

COMBINATION DATA/POWER 2 GANG SPLIT BOX MOUNTED IN CEILING. PROVIDE 1" CONDUIT FROM BOX TO CABLE TRAY. PROVIDE 3/4" CONDUIT TO DUPLEX.

SWITCHES

SINGLE POLE SWITCH, LOWERCASE SUBSCRIPT INDICATES ASSOCIATED CIRCUITRY

DOUBLE POLE SWITCH

THREE-WAY SWITCH

FOUR-WAY SWITCH

KEY OPERATED SWITCH

SWITCH WITH PILOT LIGHT IN HANDLE. (ON LIGHTED UNLESS OTHERWISE NOTED)

WEATHERPROOF SWITCH

MANUAL MOTOR STARTER SWITCH (T-THERMAL OVERLOAD SIZED FOR MOTOR)

TIMER SWITCH

MULTIPLE SWITCHES, GANGED.

CEILING MOUNTED DUAL TECHNOLOGY EXTENDED RANGE 360 DEGREE MOTION SENSOR. PC-INTERGATED PHOTOCELL; BMS- INTERGATED AUX CONTACT. PROVIDE WITH A HPP20 POWER PACK FOR NON-DIMMING AND HPP160 POWER PACK FOR DIMMING

WALL SWITCH DUAL TECHNOLOGY SENSOR WITH PUSH BUTTON OVERRIDE AND ADJUSTABLE FIELD OF VIEW (COLOR BY ARCHITECT). "D" INDICATES DIMMING. "OS" DEVICE SHALL BE PROGRAMMED TO AUTO-ON, AUTO-OFF WITHIN 20 MINS (ADJ) OF ROOM BEING VACANT. "VS" DEVICE SHALL BE PROGRAMMED TO MANUAL-ON, AUTO-OFF WITHIN 20 MINS (ADJ) OF ROOM BEING VACANT.

PUSHBUTTON

EMERGENCY POWER-OFF BUTTON

CEILING MOUNTED PHOTOCCELL FOR DAYLIGHT HARVESTING. PROVIDE WITH A POWERPACK AND ASSOCIATED CONTROLS. BASIS OF DESIGN ASSUMES USE OF SEPERATE MOTION SENSORS AND DAYLIGHT HARVESTING PHOTOCCELLS. USE OF INTEGRATED MOTION SENSOR/PHOTOCCELL UNIT IS ACCEPTABLE PROVIDED PROPOSED SUBSTITUTE HAD EQUIVALENT FEATURES AND CAPABILITIES.

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FIRE ALARM

FIRE ALARM CONTROL PANEL

FIRE ALARM EXPANSION PANEL

REMOTE FIRE ALARM ANNUNCIATOR

MANUAL PULL STATION 48" AFF

SMOKE DETECTOR; DASHED INDICATES BELOW RAISED FLOOR

SMOKE DETECTOR, DUCT MOUNTED

TEST SWITCH

HEAT DETECTOR

FLOW SWITCH

TAMPER SWITCH

PRESSURE SWITCH

FIRE ALARM AUDIO-VISUAL ANNUNCIATOR

VISUAL ANNUNCIATOR

MAGNETIC DOOR HOLDER

FIRE FIGHTERS PHONE JACK

SITE UTILITY

MANHOLE NUMBER 1; CMH-INDICATES COMMUNICATIONS MANHOLE.

PULLBOX OR HANDHOLE AS SPECIFIED ON DRAWINGS AND SPECIFICATIONS.

PP = POWER POLE; UP = MIXED-USE UTILITY POLE

POLE MOUNTED TRANSFORMERS

TELEPHONE TERMINAL BOX

AERIAL PRIMARY

AERIAL SECONDARY

AERIAL TELECOM.

UNDERGROUND PRIMARY

UNDERGROUND SECONDARY

UNDERGROUND TELEPHONE/COMMUNICATIONS

SECURITY

SECURITY PANEL

DOOR CONTACT

CCTV CAMERA WITH FIXED WIDE ANGLE LENS WALL MOUNTED TO SET CAMERA 6" BELOW CEILING.

CCTV CAMERA; PT-PAN AND TILT; Z-ZOOM LENS

EXTERIOR CAMERA IN WEATHERPROOF ENCLOSURE WITH ANTI-FOG HEATERS.

DOOR LOCK

CARD READER ACCESS

DURESS PUSHBUTTON

KEYPAD

DISTRIBUTION

MOLDED CASE CIRCUIT BREAKER

DRAWOUT POWER CIRCUIT BREAKER AIR, VACUUM OR SF AS SPECIFIED

DISCONNECT SWITCH

FUSIBLE DISCONNECT SWITCH

TRANSFORMER

SHIELDED INSULATION TRANSFORMER

VOLTMETER

AMMETER

VOLTMETER SELECTOR SWITCH

AMMETER SELECTER SWITCH

SHUNT TRIP

CT AND METER

ABBREVIATIONS

A	AMPERE(S)	MAX	MAXIMUM
AC	ABOVE COUNTER	MCB	MAIN CIRCUIT BREAKER
A/C	AIR CONDITIONING	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MDP	MAIN DISTRIBUTION PANEL
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MH	METAL HALIDE
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL, ALUM	ALUMINUM	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	MTG	MOUNTING
BLDG	BUILDING	MV	MERCURY VAPOR
C	CONDUIT	MW	MICROWAVE
CB	CIRCUIT BREAKER	NA	NOT APPLICABLE
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	NF	NONFUSIBLE
CKT	CIRCUIT	NL	NIGHT LIGHT
COND	CONDUCTOR	NO	NORMALLY OPEN
CPU	CENTRAL PROCESSING UNIT	OC	ON CENTER
CT	CURRENT TRANSFORMER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
DCP	DATA COLLECTION PANEL	OH	OVERHEAD
DIA	DIAMETER	P	POLE
DC	DISCONNECT	PA	PUBLIC ADDRESS
DIST	DISTRIBUTION	PB	PUSHBUTTON
DN	DOWN	PBX	PRIVATE BUILDING EXCHANGE
DWGS	DRAWINGS	PC	PULL CHAIN
EC	EMPTY CONDUIT	P/C	PHOTO CELL
EF	EXHAUST FAN	PDP	POWER DISTRIBUTION PANEL
EQMT	EQUIPMENT	PH, Ø	PHASE
EWC	ELECTRIC WATER COOLER	PNL	PANELBOARD
EXH	EXHAUST	PR	PAIR
EXP	EXPLOSION PROOF	PSI	POUNDS PER SQUARE INCH
EXTG	EXISTING	PWR	POWER
F/A, F.A.	FIRE ALARM	QUAD	QUAD RECEPTACLE
FLUOR	FLUORESCENT	REFR	REFRIGERATOR
FN	FULL NEUTRAL	S	SECURITY
FT	FEET, FOOT	S.C.	SPLIT CIRCUIT
GALV	GALVANIZED	SCC	STATUS COMMAND CENTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SN	SOLID NEUTRAL
GFI	GROUND FAULT INTERRUPTER	SQFT.	SQUARE FOOT
GND	GROUND	SW	SWITCH
GRD	GALVANIZED RIGID STEEL	SWBD	SWITCHBOARD
HID	HIGH INTENSITY DISCHARGE	TC	TIME CLOCK
HP	HORSEPOWER	TELE	TELEPHONE
HOA	HAND OFF AUTOMATIC	TSTAT	THERMOSTAT
HPS	HIGH PRESSURE SODIUM	TV	TELEVISION
HVAC	HEATING/VENTILATING/AIR CONDITIONING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HZ	HERTZ	UCN	UNLESS OTHERWISE NOTED
ID	INSIDE DIAMETER	UPS	UNINTERRUPTABLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLT(S)
IMC	INTERMEDIATE STEEL CONDUIT	VEND	VENDING
IN	INCHES	VP	VAPOR PROOF
INCD	INCANDESCENT	W	WIRE, WATT(S)
JB	JUNCTION BOX	WP	WEATHERPROOF
KV	KILOVOLT	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERE	XPD	TRANSPONDER
KVAC	KILOVOLT AMPERE CAPACTIVE	Y	WYE
KVAR	KILOVOLT AMPERE REACTIVE	Z	IMPEDANCE
KW	KILOWATT	Δ	DELTA
KWH	KILOWATT HOUR	1P	ONE POLE
LPS	LOW PRESSURE SODIUM	2P	TWO POLE
		3P	THREE POLE

COMMISSIONING PLAN

A THIRD PARTY WILL BE RETAINED FOR PRE-COMMISSIONING AND COMMISSIONING SERVICES.

SYSTEMS TO BE COMMISSIONED ARE OCCUPANCY SENSORS, AND TIMECLOCK CONTROLS.

REFER TO SPECIFICATION SECTIONS 019100 AND 260800 FOR ADDITIONAL REQUIREMENTS.

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ELECTRICAL SYMBOLS & ABBREVIATIONS

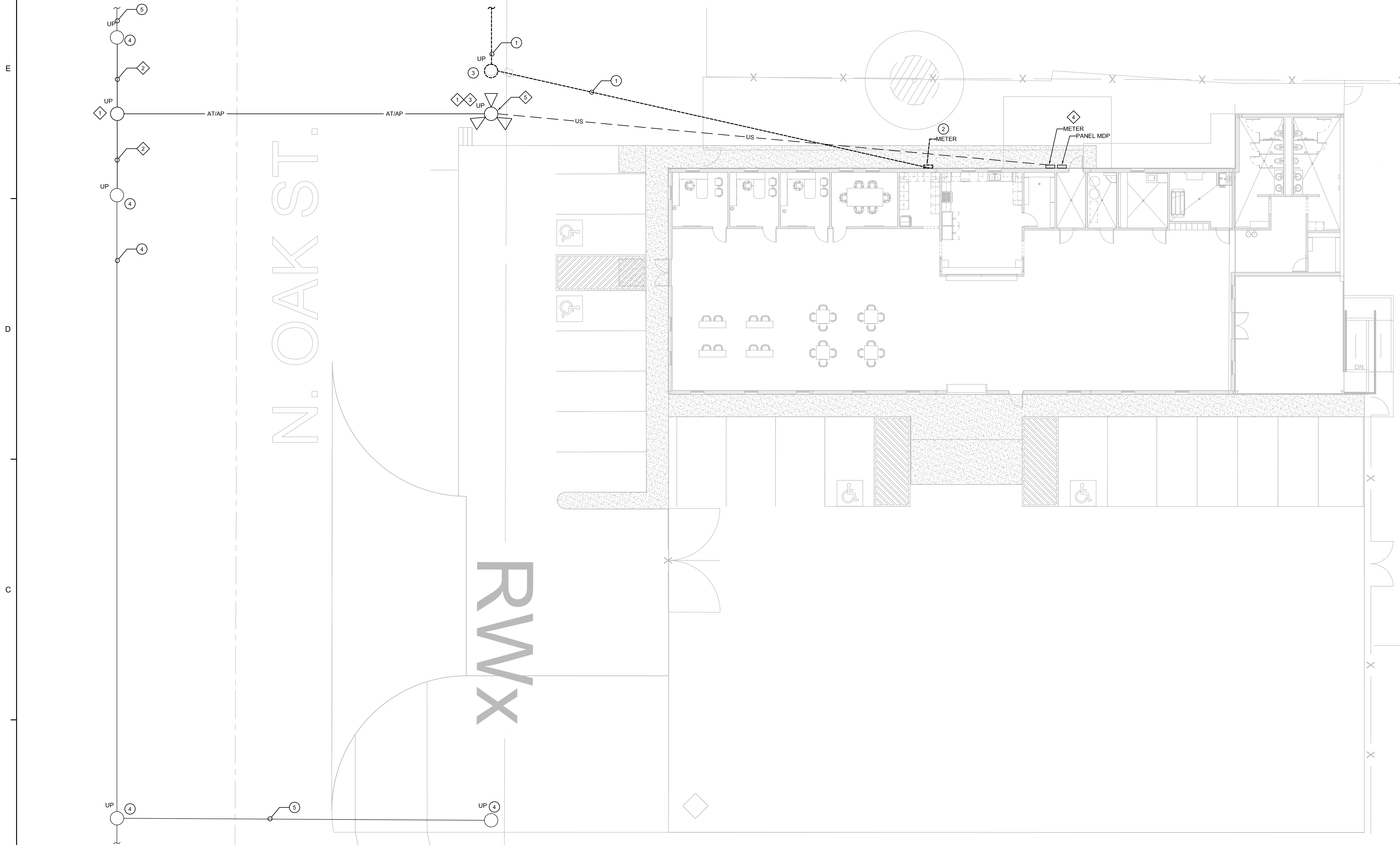
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E-000



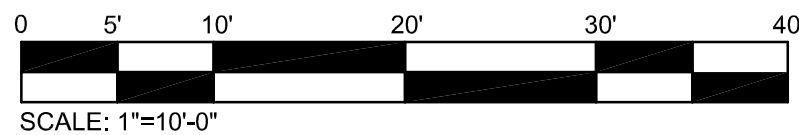
1 ELECTRICAL SITE PLAN
E-001 1" = 10'-0"

DEMO KEYED NOTES:

- 1 DEMO EXISTING OVERHEAD POWER CABLING AND TELECOM CABLING SERVING THE BUILDING BACK TO EXTENT REQUIRED. COORDINATE DEMOLITION AND ANY POTENTIAL OUTAGES WITH OWNER AND ANY OTHER ENTITIES BEING FED FROM POWER/TELE LINES.
- 2 EXISTING METER AND ASSOCIATED SERVICE EQUIPMENT SHALL BE REMOVED. REFER TO SHEET ED-101 FOR MORE INFORMATION.
- 3 DEMO EXISTING UTILITY POLE SERVING BUILDING TO PREPARE SPACE FOR NEW UTILITY POLE.
- 4 EXISTING MIXED USE POWER/TELE POLE TO REMAIN.
- 5 EXISTING OVERHEAD POWER/TELE LINES TO REMAIN.

KEYED NOTES:

- 1 NEW UTILITY CO. RISER POLE. COORDINATE WITH UTILITY CO. FOR SERVICE.
- 2 INTERCEPT EXISTING OVERHEAD PRIMARY LINES AND CONNECT TO NEW RISER POLE. EXTEND LINES ACROSS THE STREET TO NEW POLE MOUNTED TRANSFORMERS.
- 3 NEW POLE MOUNTED TRANSFORMERS FOR 208V/120Y 3-PHASE 4-WIRE SERVICE. REFER TO SHEET E-401 FOR MORE INFORMATION. COORDINATE WITH UTILITY CO. FOR CONNECTION AND ALL INSTALLATION REQUIREMENTS IN ACCORDANCE WITH THEIR STANDARDS.
- 4 ELECTRIC SERVICE METER. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY CO. AND ARRANGING/COORDINATING INSTALLATION.
- 5 TELECOM DROP FROM RISER POLE. COORDINATE BUILDING PENETRATION LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO WORK.



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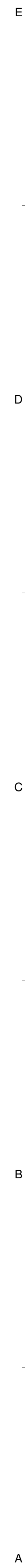
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FRI COUNTY

ELECTRICAL
SITE PLAN

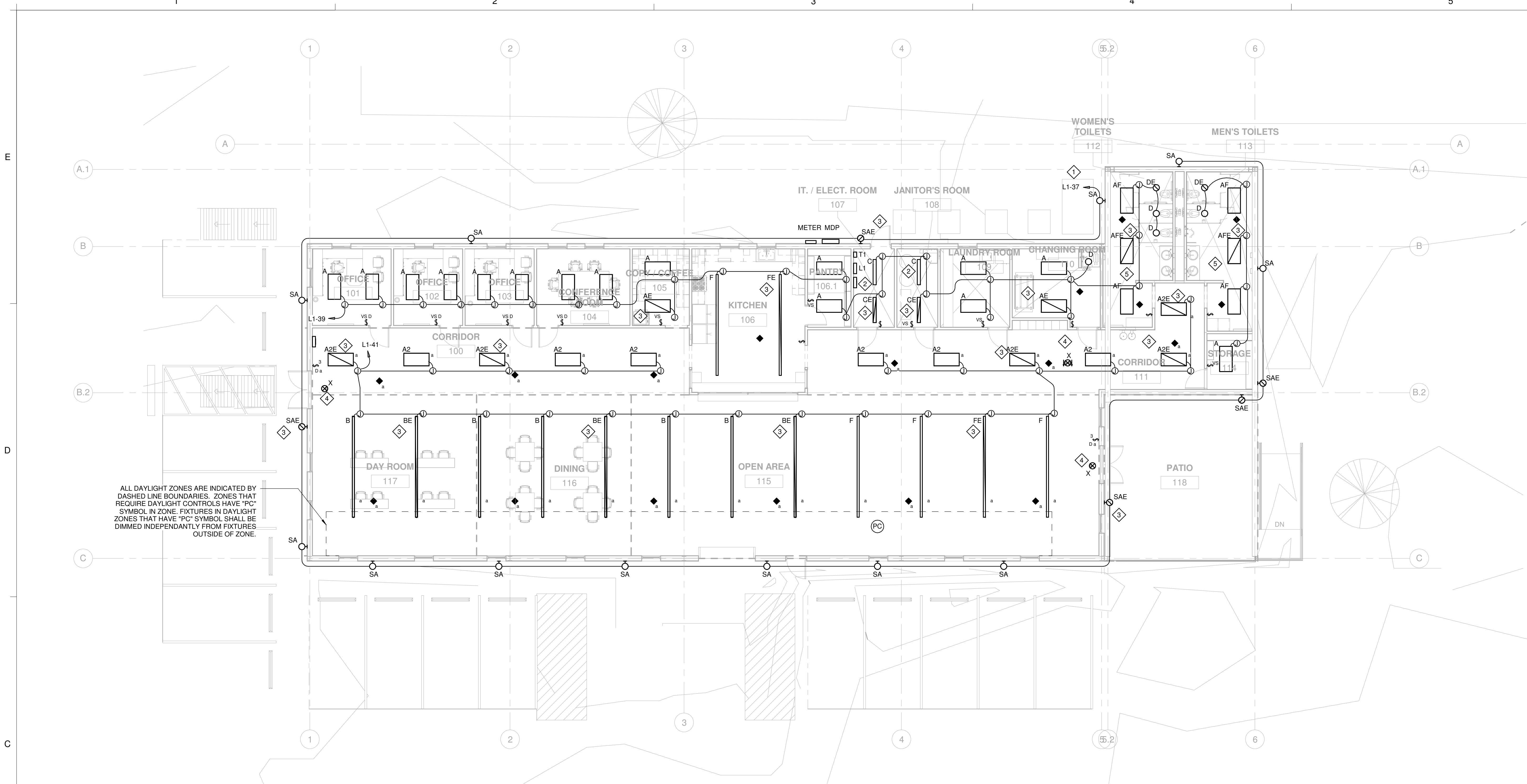
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E-001



1 ELECTRICAL FLOOR PLAN - DEMOLITION

ED-101



ALL DAYLIGHT ZONES ARE INDICATED BY DASHED LINE BOUNDARIES. ZONES THAT REQUIRE DAYLIGHT CONTROLS HAVE "PC" SYMBOL IN ZONE. FIXTURES IN DAYLIGHT ZONES THAT HAVE "PC" SYMBOL SHALL BE DIMMED INDEPENDENTLY FROM FIXTURES OUTSIDE OF ZONE.

1 LIGHTING FLOOR PLAN

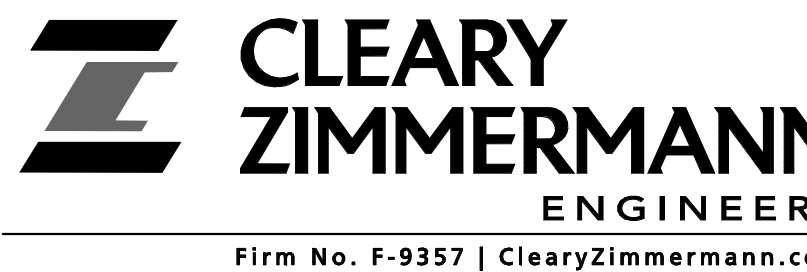
E-101 1/8" = 1'-0"

GENERAL NOTES LIGHTING SHEETS: (APPLIES TO ALL LIGHTING SHEETS)

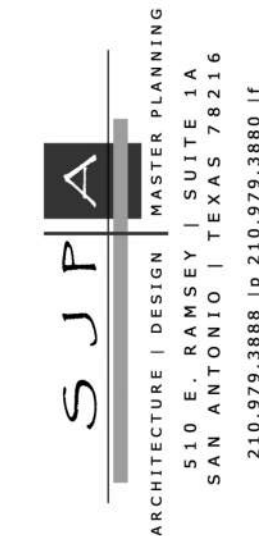
1. DEVICE LOCATION GUIDELINES: LOCATE DEVICES ADJACENT TO THE DOOR FRAMES 4 INCHES TO THE EDGE OF THE DEVICES AT ADA HEIGHT GUIDELINES. CO-LOCATE SIMILAR DEVICES UNDER A COMMON FACEPLACE (EXAMPLE - MULTIPLE LIGHT SWITCHES). LOCATE ADDITIONAL DEVICES HORIZONTALLY ADJACENT TO EACH OTHER. COORDINATE SWITCH LOCATIONS IN ROOMS WITH ARCHITECT AND OTHER DEVICES (THERMOSTATS, FIRE ALARM, AND CALL BUTTONS). DO NOT STAGGER DEVICES. ONLY WHEN HORIZONTAL SPACE DOES NOT PERMIT, STACK DEVICES VERTICALLY WITH TWO INCHES BETWEEN FACEPLATES TO NO MORE THAN 72 INCHES AFF TO THE TOP OF THE FACEPLATE. COORDINATE LOCATIONS WITH ARCHITECTURAL ELEVATIONS. DEVICES SHALL BE MOUNTED AT SPECIFIC DEVICE MOUNTING HEIGHTS AS LISTED PER SPECIFICATIONS.
2. SWITCHES SHALL BE PROVIDED FOR EACH ROOM. ALL CEILING MOUNTED OCCUPANCY SENSORS SHALL BE SET FOR MANUAL-ON, AUTOMATIC OFF AFTER 20 MINUTES OF NO MOTION DETECTED.
3. MINIMUM CIRCUIT SIZE IS 2 #12 AND 1 #12 GROUND IN 1/2" CONDUIT. MAXIMUM FIXTURE WHIP LENGTH FROM ANY J-BOX 6 FEET. LIGHTING CIRCUITS JOINTS SHALL BE MADE UP IN OVERHEAD J-BOXES SECURED TO STRUCTURE WITH LIGHTING WHIPS FROM THE J-BOXES. FIXTURES DESIGNED TO BE QUICK-CLIPPED TOGETHER SHALL BE CONNECTED AS PER MANUFACTURER.
4. COORDINATE LIGHT LOCATIONS WITH OTHER CEILING ITEMS OR JOIST ITEMS PRIOR TO INSTALLATION. LIGHT LOCATIONS TAKE PRECEDENCE OVER AIR DEVICES.
5. PROVIDE SECONDARY SUPPORT WIRES FROM ALL FOUR (4) CORNERS OF THE LAY-IN FIXTURES TO THE STRUCTURE ABOVE. DO NOT SUPPORT FIXTURES FROM CEILING GRID WIRE SUPPORTS, PIPING, CONDUIT, SIDE WALLS, OR MECHANICAL EQUIPMENT. CEILING SPECIFICATIONS DO NOT SUPERCEDE THIS REQUIREMENT.
6. HATCHED FIXTURES ARE UNSWITCHED.
7. FIXTURES WITH "E" SUFFIX HAVE BATTERY BACK-UPS.
8. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS. SEE ARCHITECTURAL FOR WALL RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO SHEET ROCK AND REPAIR. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR PENETRATIONS.

KEYED NOTES:

- 1 EXTERIOR LIGHTING SHALL BE CONTROLLED THRU ASTRONOMICAL TIMECLOCK WITH PHOTOCCELL. PROVIDE ADDITIONAL UNSWITCHED HOT CONDUCTOR FOR ALL EGRESS LIGHTING INDICATED. REFER TO DETAIL 2, SHEET E-501.
- 2 COORDINATE LOCATION OF TYPE "C" FIXTURES IN THIS ROOM WITH MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, STRUCTURE, PIPING ETC. MOUNT AS REQUIRED TO OPTIMIZE LIGHTING FOR THE AREA BEING SERVED. PROVIDE STEMS AND ALL NECESSARY MOUNTING ACCESSORIES AND HARDWARE.
- 3 PROVIDE ADDITIONAL UNSWITCHED HOT FOR BATTERY VOLTAGE SENSE.
- 4 EXIT SIGN SHALL BE CONNECTED TO UNSWITCHED HOT FROM ADJACENT LIGHTING CIRCUIT. PROVIDE ADDITIONAL CONDUCTOR FOR VOLTAGE SENSE.
- 5 PROVIDE FLANGE KIT FOR 2X4 FIXTURES IN THIS ROOM.



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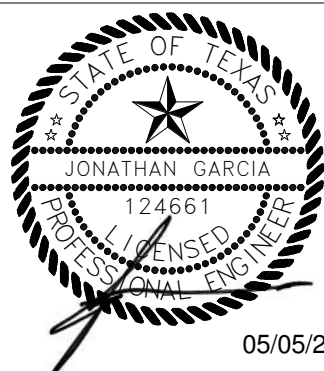
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LIGHTING FLOOR PLAN

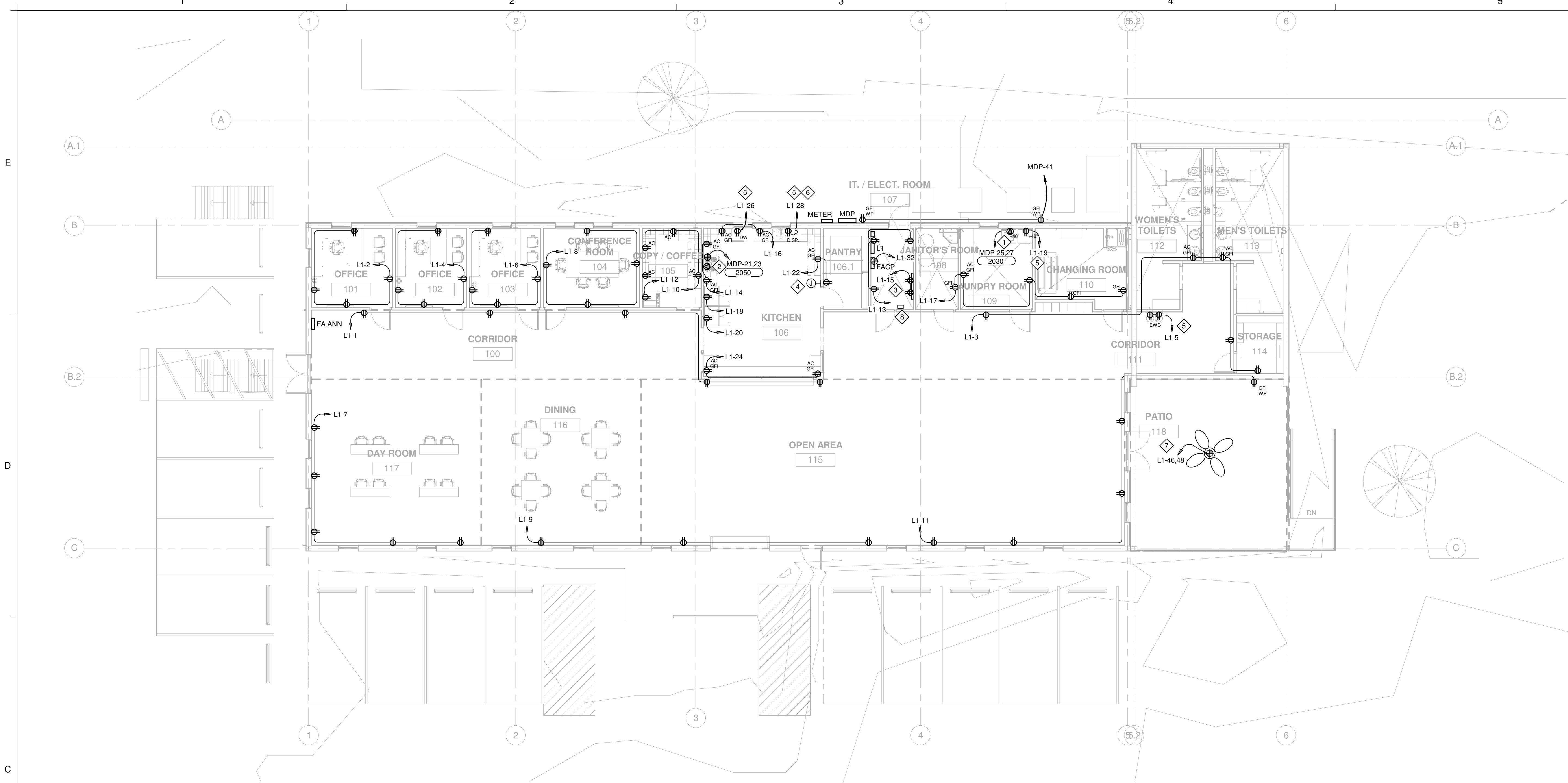
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E-101



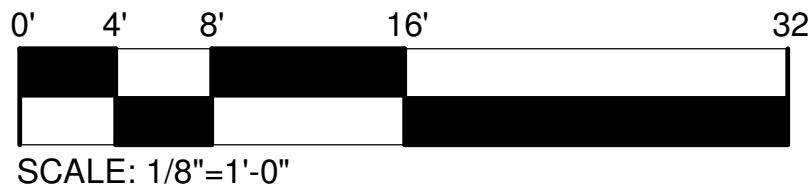
1 POWER FLOOR PLAN
E-201 1/8" = 1'-0"

GENERAL NOTES POWER SHEETS: (APPLIES TO ALL POWER SHEETS)

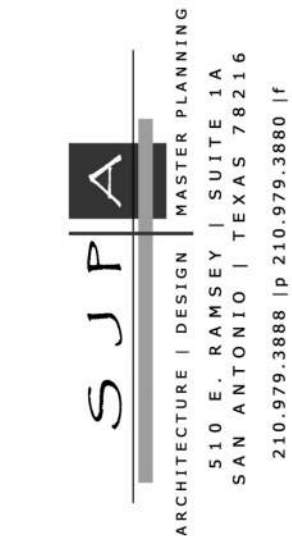
1. SEE ALL OTHER PLANS FOR ADDITIONAL DEVICES. SOME POWER CIRCUITING MAY BE ON OTHER PLANS. COORDINATE THE LOCATIONS OF DATA/CATV JACKS WITH THE RECEPTACLES. MOUNT ADJACENT TO EACH OTHER.
2. WHEN LOCATING SYSTEMS NEXT TO DOORS FOLLOW DEVICE LOCATION GUIDELINES. MOUNT AT ADA HEIGHT. PROVIDE MULTI-GANG BOXES FOR SIMILAR SYSTEMS. ALL DEVICE PLATES SHALL BE ORTHOGONAL WITH ADJACENT PLATES.
3. MINIMUM CIRCUIT SIZE IS 2 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. ALL CONDUCTORS SHALL BE 75 DEGREE COPPER THHN INDOOR, THWN FOR EXTERIOR USAGE, COLOR CODED AS PER NEC AND LOCAL AMENDMENTS WITH SIZE, TEMPERATURE, AND VOLTAGE PERMANENTLY PRINTED ON THE JACKET. ALL JOINTS SHALL BE MADE UP USING SELF LOCKING, TWIST-ON, COLOR CODED, SQUARE WIRE SPRING GRAB, LONG SKIRT, WIRE CONNECTORS WITH SWEPT WINGS.
4. COORDINATE RECEPTACLE LOCATIONS WITH MILLWORK AND COUNTERS. DO NOT LOCATE RECEPTACLES BEHIND DRAWERS OR HIDDEN IN MILLWORK UNLESS SPECIFICALLY DIRECTED BY OWNER/ARCHITECT. REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO RECEPTACLE ROUGH-INS. SEE ARCH ELEVATIONS IN BREAKROOMS FOR APPLIANCES AND RECEPTACLE MOUNTING LOCATIONS.
5. ALL RECEPTACLES SHALL BE SPEC GRADE, MINIMUM 20 AMP RATED. GFI RECEPTACLES SHALL HAVE TEST BUTTONS WITH INDICATOR LIGHTS. EXTERIOR RECEPTACLES SHALL BE LABELED WEATHER RESISTANT WITH WP COVERS CONFORMING TO WET LOCATION CORD CONNECTION, NEC 406. MOUNT RECEPTACLES 18" AFF, 6" ABOVE BACKSPASH AT COUNTERS, 48" IN TOILET ROOMS, AT EQUIPMENT ROUGH-IN LOCATIONS FOR APPLIANCES, AND AS INDICATED FOR TV'S. PROVIDE GFI RECEPTACLES WITHIN SIX (6) FEET OF ALL SINKS, EXTERIOR RECEPTACLES, AND UNDERCOUNTER EQUIPMENT. OVERSIZED COVER PLATES ARE NOT ALLOWED. COORDINATE COLOR WITH OWNER/ARCHITECT. PROVIDE SPEC GRADE RECEPTACLES MOUNTED BEHIND WATER COOLERS WITH GFI CIRCUIT BREAKERS.
6. ALL EQUIPMENT SHALL HAVE AN INDIVIDUAL LOCAL DISCONNECTING MEANS, EITHER CORDED PLUG AND RECEPTACLE OR SWITCHED DISCONNECT. VERIFY FROM EQUIPMENT SUBMITTED OR RELOCATED IF DIRECT CONNECT OR RECEPTACLE. IF DIRECT CONNECT, PROVIDE SAFETY SWITCH LOCKABLE IN THE OPEN POSITION AS PER NEC. OTHERWISE PROVIDE RECEPTACLE CORD PLUG AS REQUIRED BY EQUIPMENT SUBMITTAL.
7. ON CIRCUITS GREATER THAN 20A, FEEDING MULTIPLE PIECES OF EQUIPMENT, PROVIDE FUSED DISCONNECTS (SIZED FOR EQUIPMENT PROTECTING).
8. PROVIDE INDIVIDUAL DISCONNECTS FOR ALL SMOKE FIRE DAMPERS AND VAV'S. NO EXCEPTIONS.
9. CONTRACTOR IS RESPONSIBLE FOR UPDATING THE CIRCUITING INFORMATION OF ELECTRICAL PANELS, HVAC CONTROLS, INTERCOM SWITCH BANKS, DATA/VOICE/VIDEO CABLING, AND ANY CIRCUITED SYSTEM INDICATING THE FINAL ROOM NUMBERING AND CIRCUIT NUMBER BASED UPON THE ACTUAL INSTALLATION.
10. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS. SEE ARCHITECTURAL FOR WALL RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO SHEET ROCK AND REPAIR.
11. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR PENETRATIONS.
12. CONNECT NO MORE THAN 5 RECEPTACLES TO ANY CIRCUIT. VERIFY AND TRACE RECEPTACLE COUNT PRIOR TO CONNECTING TO EXISTING CIRCUITS.

KEYED NOTES:

- 1 DRYER RECEPTACLE, NEMA 14-30R. COORDINATE FINAL MOUNTING HEIGHT AND LOCATION FOR RECEPTACLE WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 PROVIDE RANGE RECEPTACLE, NEMA 14-50R. INSTALL STOVE SHUTOFF UNIT ADJACENT TO RECEPTACLE. INSTALL IN ACCORDANCE WITH ALL SHUT-OFF, ALARM, BUZZER, ADA AND CODE REQUIREMENTS PER LOCAL AHJ. FOLLOW ALL MANUFACTURERS INSTALLATION REQUIREMENTS. PROVIDE ALL REQUIRED COMPONENTS AND ACCESSORIES REQUIRED TO PROVIDE AUTOMATIC DISCONNECT OF OVEN RANGE POWER AND INITIATION OF THE MAIN FIRE ALARM SYSTEM UPON ACTIVATION OF FIRE READY HOOD-FIRE SUPPRESSION. COORDINATE REQUIRED COMPONENTS AND INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
- 3 PROVIDE 4'X8'X3/4" NON COMBUSTIBLE PLYWOOD PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT. VERIFY EXACT MOUNTING LOCATION WITH OWNER PRIOR TO INSTALL. MOUNT QUAD RECEPTACLES UNDER PLYWOOD.
- 4 FIRE READY HOOD MANUAL FIRE PULL. PROVIDE 1" C TO ABOVE CEILING WITH BOX MOUNTED AT 48" AFF.
- 5 PROVIDE 20A/1P GFI CIRCUIT BREAKER IN PANEL INDICATED. COORDINATE POWER REQUIREMENTS WITH EQUIPMENT PROVIDED.
- 6 DISPOSAL. PROVIDE UNDERCOUNTER SWITCHED RECEPTACLE WITH MOTOR RATED SWITCH ABOVE COUNTER AT SINK. PROVIDE WATERPROOF LABEL ON WALLPLATE TO READ "DISPOSAL".
- 7 PROVIDE A BIG ASS FAN POWERFOIL X3.0 PLUS #PPX3-10. FAN TO MOUNTED TO PERLENS IN THE PATIO. PROVIDE 3#12, 1#12 GND IN 3/4" CONDUIT FOR POWER AND PROVIDE 1" CONDUIT FOR THE ROUTED TO THE CONTROLLER. CONTROLLER TO BE LOCATED IN THE IT/ELEC ROOM.
- 8 BIG ASS FAN CONTROLLER LOCATION. PROVIDE 1" CONDUIT ROUTED TO FAN.



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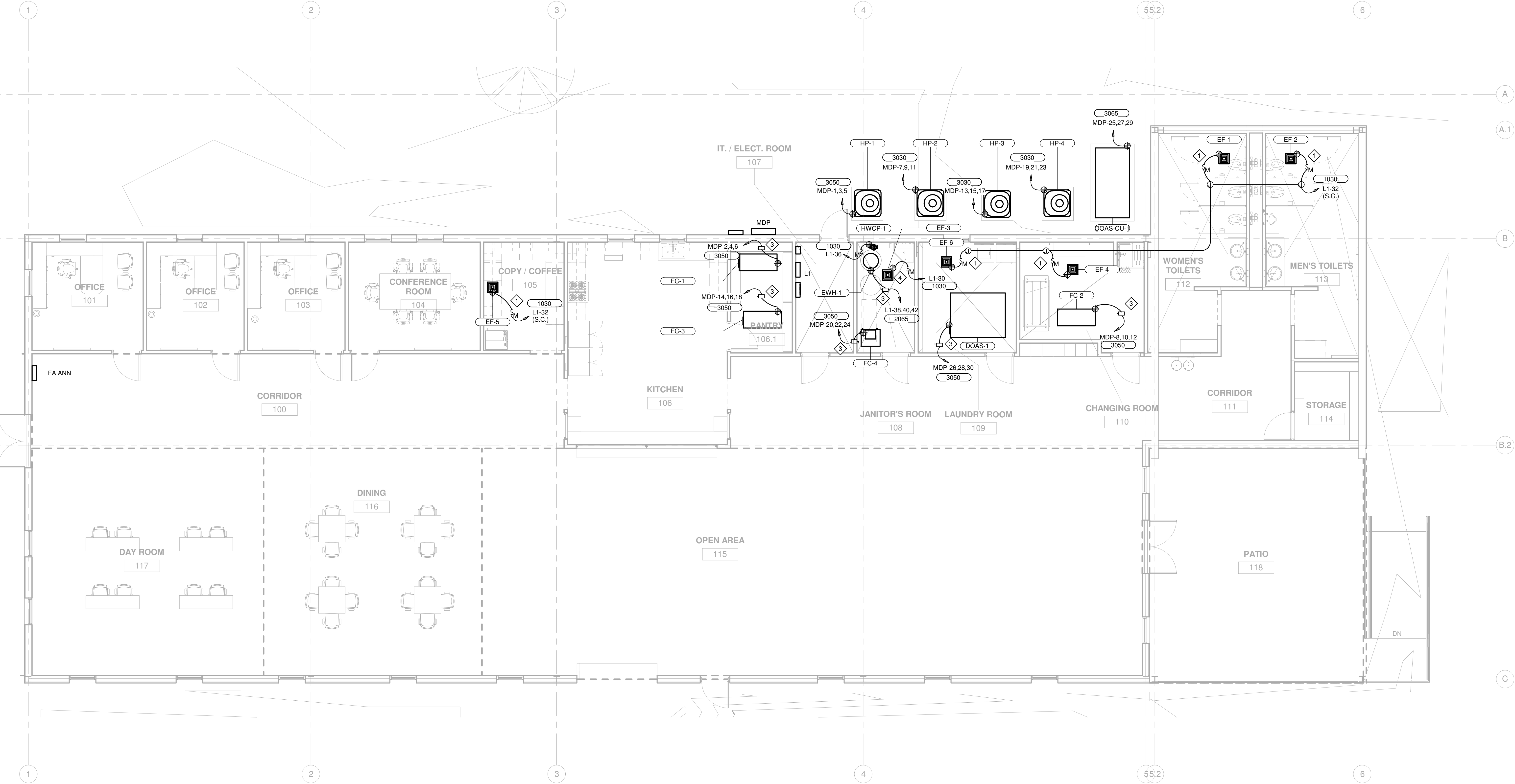
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FRI COUNTY

POWER FLOOR PLAN

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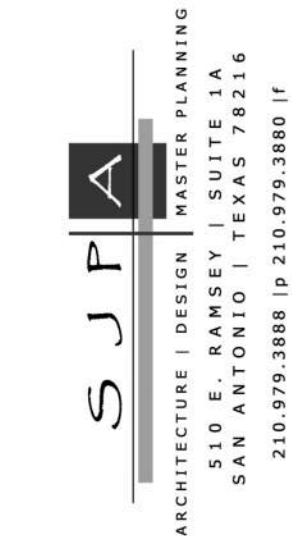
1 MECHANICAL POWER FLOOR PLAN
EM-201 3/16" = 1'-0"

KEYED NOTES:

- 1 PROVIDE MOTOR RATED TOGGLE SWITCHES LOCATED ADJACENT TO EXHAUST FAN. FAN SHALL BE INTERLOCKED WITH DOAS UNIT. PROVIDE ALL RELAYS AND EQUIPMENT REQUIRED FOR INTEGRATION. REFER TO MECHANICAL SHEETS FOR MORE INFORMATION.
- 2 DISCONNECT SWITCH: 30A/600V/3P/NEMA 1/NF.
- 3 DISCONNECT SWITCH: 60A/600V/3P/NEMA 1/NF.
- 4 EXHAUST FAN IN JANITOR CLOSET SHALL BE CONTINUOUS. REFER TO MECHANICAL SHEETS FOR MORE INFORMATION.



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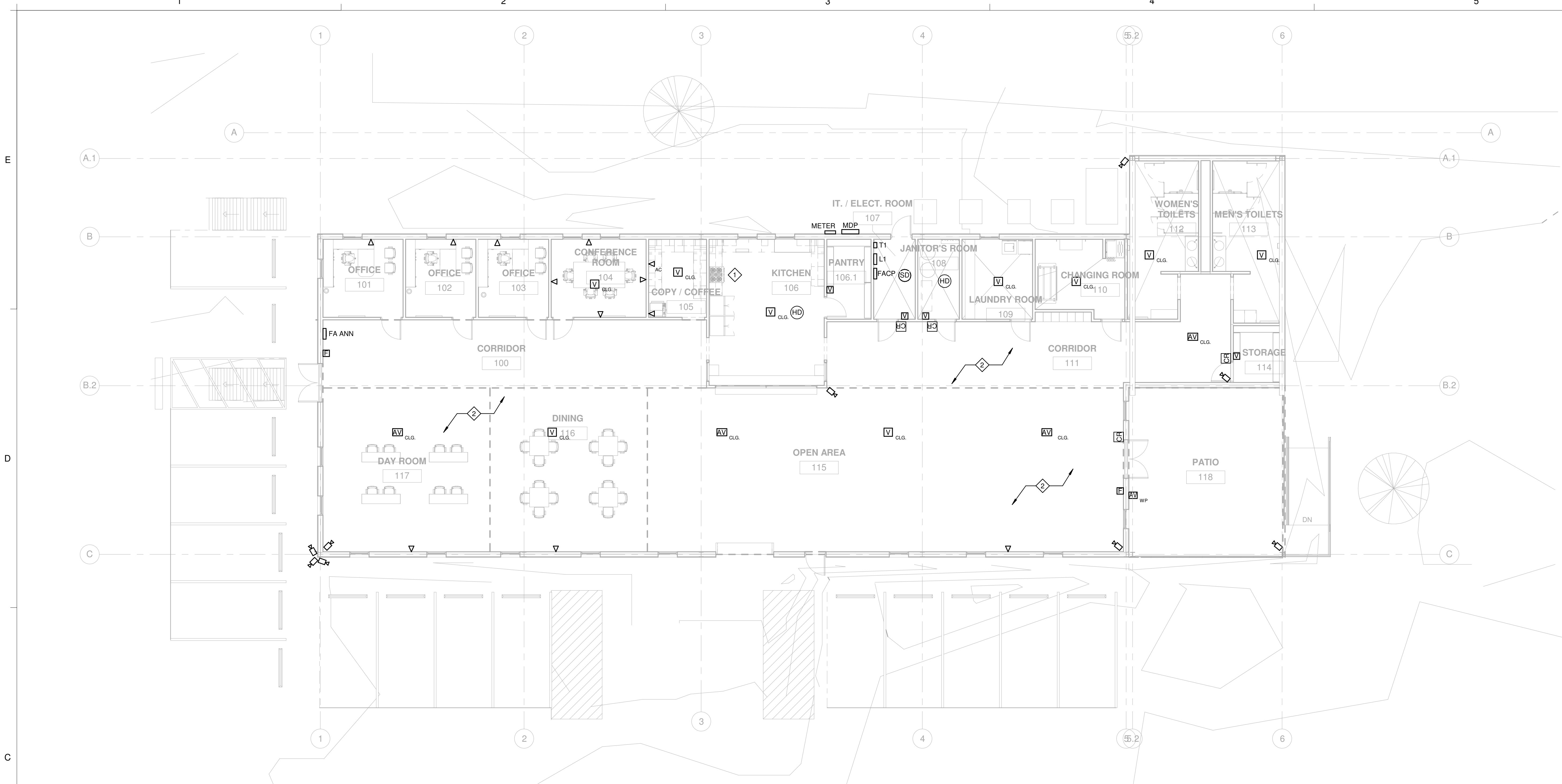
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FRI COUNTY

MECHANICAL
POWER
FLOOR PLAN

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05/05/2021

EM-201



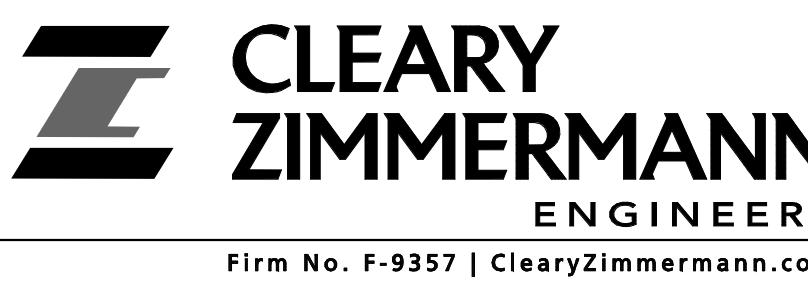
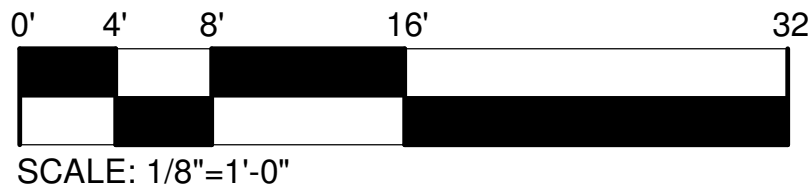
1 SPECIAL SYSTEMS FLOOR PLAN
E-301 1/8" = 1'-0"

GENERAL NOTES SPECIAL SYSTEMS: (APPLIES TO ALL SPECIAL SYSTEMS SHEETS)

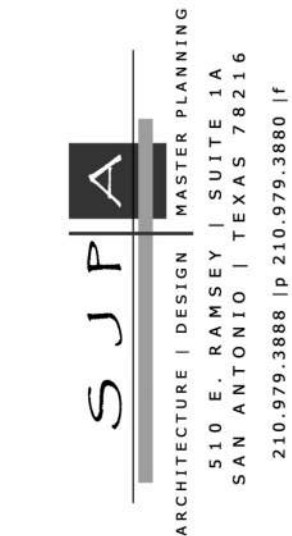
1. SEE ALL OTHER PLANS FOR ADDITIONAL DEVICES.
2. WHEN LOCATING SYSTEMS NEXT TO DOORS, FOLLOW DEVICE LOCATION GUIDELINES.
3. ALL CABLING SHALL BE IN CONDUIT IN EXPOSED SPACES REGARDLESS IF ALLOWED NOT TO BE IN CONDUIT BY OTHER SPECIFICATIONS UNLESS DIRECTED OTHERWISE BY THE ENGINEER. ALL CABLING TO BE SUPPORTED BY J-HOOKS WHEN NOT IN CONDUIT OR CABLE TRAY. DO NOT STRAP TO STRUCTURE. SEPARATE CABLING AND PROVIDE SEPARATE J-HOOKS FOR DATA, CONTROLS, PA, SECURITY, AND FIRE ALARM IF NOT IN CONDUIT. TIE WRAP CABLING TOGETHER EVERY 4-6 FEET. PROVIDE SERVICE LOOPS IN CABLING, TIE WRAPPED TOGETHER. SERVICE LOOP SHALL BE 24" MINIMUM.
4. PROVIDE CONDUIT SLEEVES THROUGH WALLS. ALL CONDUITS SHALL HAVE NYLON BUSHINGS ON THE ENDS. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS UNDER TWO (2) INCHES. PROVIDE MULE TAPE IN ALL EMPTY CONDUITS TWO (2) INCHES AND LARGER OR ANY CONDUIT RUNS LONGER THAN 100 FEET WITHOUT INTERMEDIATE PULL BOXES. SLEEVES LESS THAN 36 INCHES DO NOT REQUIRE PULL STRINGS.
5. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS. PROVIDE INTUMESCENT FILL IN WALL CONDUIT SLEEVES IN RATED WALLS. SEE ARCHITECTURAL FOR WALL RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO SHEET ROCK AND REPAIR.
6. PROVIDE FIRE RATED SLEEVES WITH INTUMESCENT FILL IN ALL FLOOR PENETRATIONS.
7. ALL CABLING SHALL BE PLENUM RATED. ALL UNDERGROUND CABLING SHALL BE OUTDOOR RATED AS WELL AS PLENUM RATED. NO EXCEPTIONS.
8. PROVIDE TUBE TYPE DUCT SMOKE DETECTORS FOR ALL SMOKE FIRE DAMPERS. PROVIDE TUBE TYPE DUCT SMOKE DETECTORS IN EACH AIR HANDLING UNIT IN THE SUPPLY AND RETURN. ALL DUCT SMOKE DETECTORS SHALL HAVE THE FOLLOWING CHARACTERISTICS: MOUNTED IN THE DIRECTION OF AIR FLOW, ADDRESSABLE WITH SELF SENSITIVITY, RATED FOR THE AIR SPEED, AND HAVE REMOTE INDICATOR LIGHT TEST STATIONS. FIRE ALARM CONTRACTOR SHALL PROVIDE INTERFACE OF DUCT SMOKE DETECTORS AND FIRE ALARM PANEL. PROVIDE 24V POWER FROM FIRE ALARM PANEL.
9. PROVIDE LEXAN COVERS FOR ALL FIRE ALARM PULL STATIONS.
10. SEE SPECIFICATIONS FOR ADDITIONAL FIRE ALARM DEVICES AND MOUNTING HEIGHTS. MOUNT DEVICES IN ACCORDANCE WITH NFPA 72.
11. ALL SMOKE AND HEAT DETECTORS SHALL BE POWERED BY THE FIRE ALARM PANEL.
12. THE FIRE ALARM CONTROL PANEL SHALL SHUNT ALL AIR HANDLERS AND CLOSE ALL SMOKE FIRE DAMPERS IN THE EVENT OF A FIRE ALARM. PROVIDE RELAYS FOR ALL AIR HANDLERS AND SMOKE FIRE DAMPER CIRCUITS AND CONNECT TO FIRE ALARM SYSTEM.
13. PROVIDE CLOCK STYLE RECEPTACLE FOR ALL WALL MOUNTED TV'S. LOCATE RECEPTACLE CENTERED IN TV. COORDINATE WITH OWNER EQUIPMENT.

KEYED NOTES:

- 1 FIRE ALARM SHALL ACTIVATE UPON FIRE READY HOOD FIRE SUPPRESSION SYSTEM. FIRE READY HOOD SHALL BE A DEDICATED ADDRESS ON THE FIRE ALARM SYSTEM.
- 2 CONTRACTOR SHALL PROVIDE ALL CONDUIT, BACKBOXES, AND INFRASTRUCTURE REQUIRED FOR CAMERAS (INTERIOR/EXTERIOR), ACCESS HARDWARE, CARD READERS AND ASSOCIATED EQUIPMENT. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND REQUIREMENTS.



PLEASE BE ADVISED: THIS DOCUMENT MAY CONTAIN SENSITIVE AND/OR PROPRIETARY INFORMATION AND THEREFORE MUST BE TREATED AS A CONFIDENTIAL DOCUMENT. ACCEPTANCE OF THIS DOCUMENT CONSTITUTES AN AGREEMENT THAT THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN SHALL BE MAINTAINED AND TRANSMITTED IN A CONFIDENTIAL MANNER. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED, RELEASED OR DISTRIBUTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF S.J.P.A., STEVE J. PATMON, ARCHITECT. ANY DISTRIBUTION TO NON-SJPA CONSULTANTS, ENTITIES OR PERSONS MUST BE SUBJECT TO A WRITTEN CONFIDENTIALITY AGREEMENT.



Revisions

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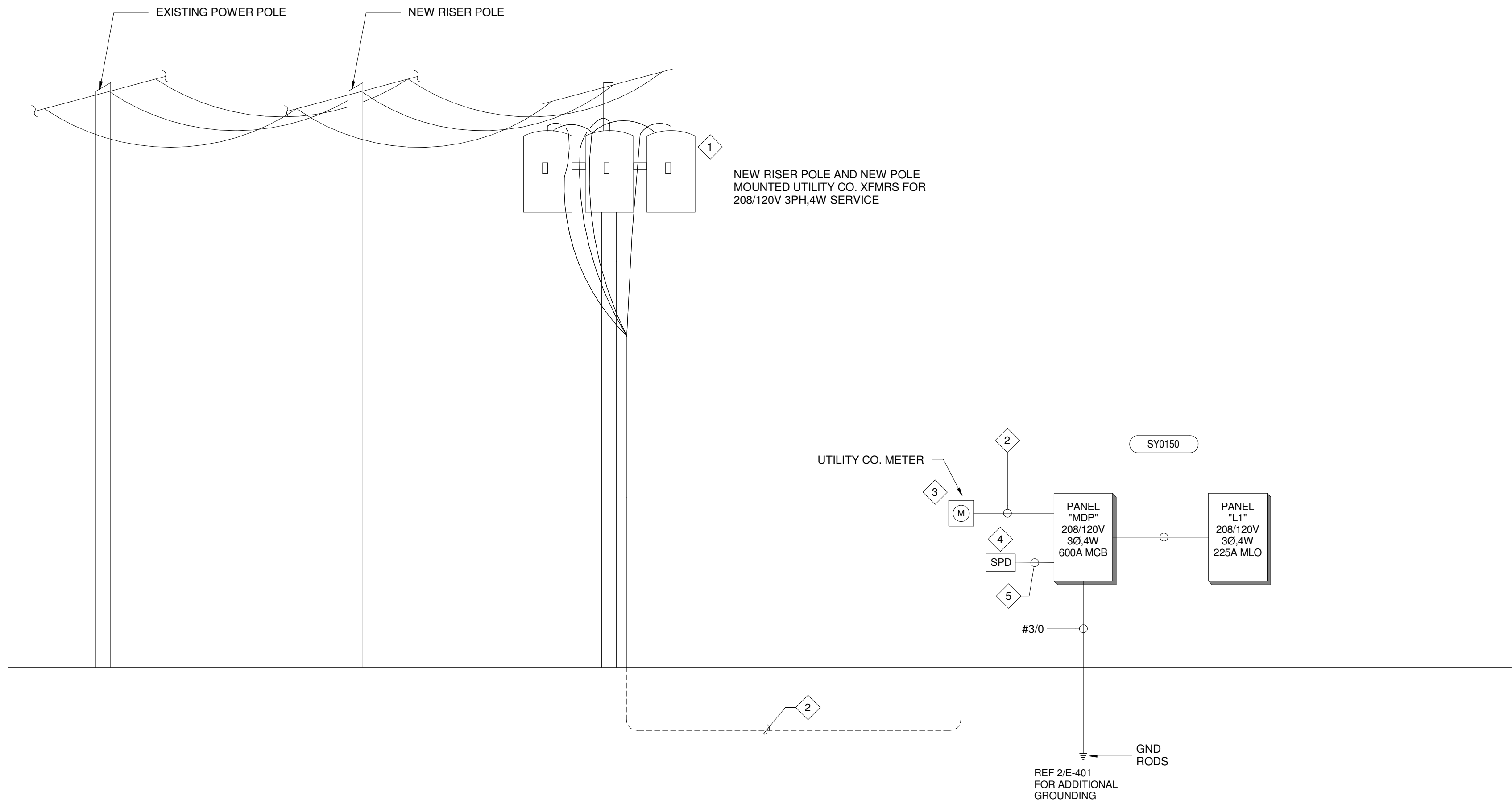
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FRI COUNTY

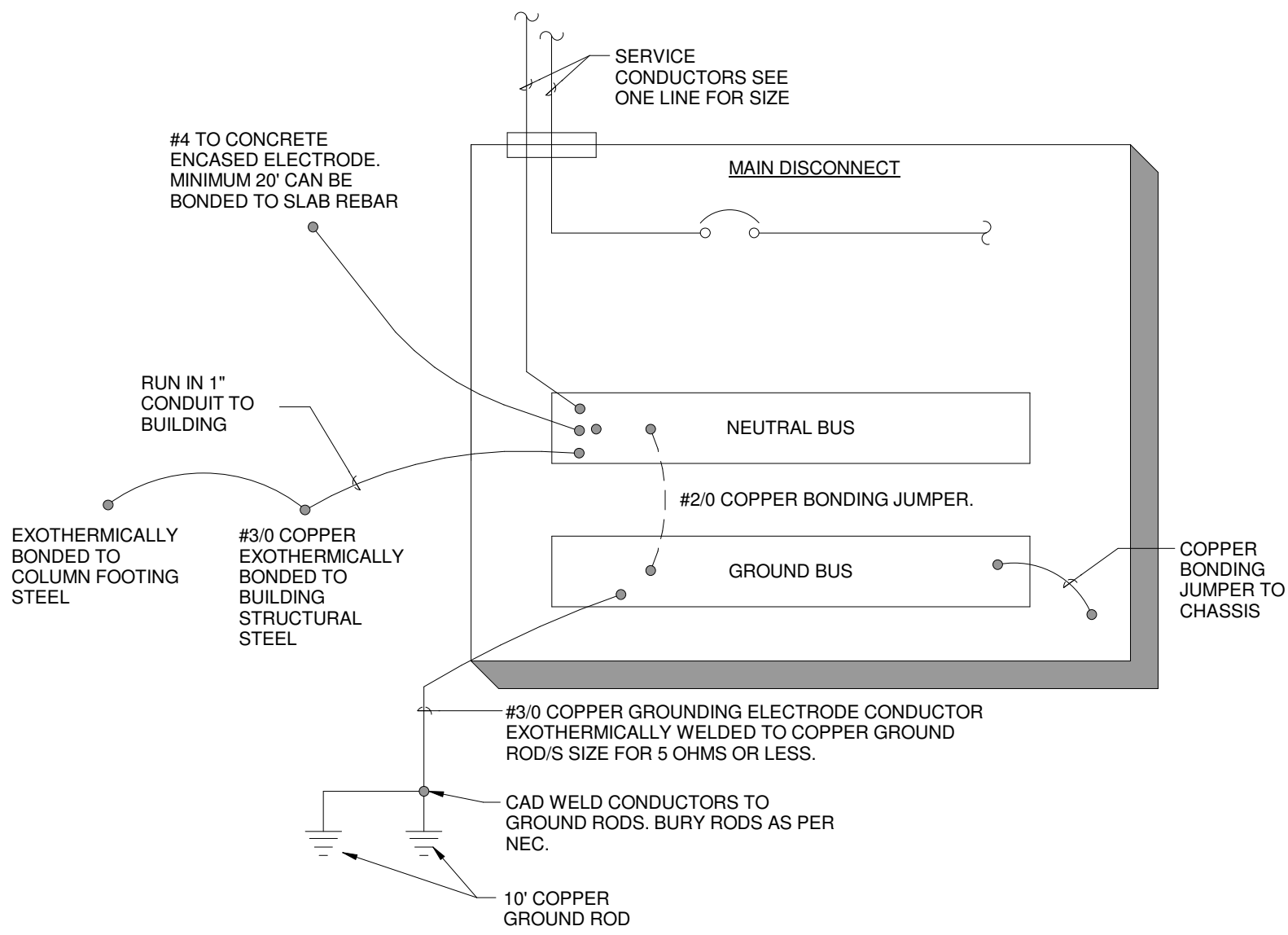
SPECIAL
SYSTEMS
FLOOR PLAN

100% SUBMITTAL
Scale: As Indicated
200223(cz)
05/05/2021

E-301



1 ELECTRICAL ONE-LINE DIAGRAM
NOT TO SCALE



2 GROUNDING AND BONDING DETAIL
SCALE: N.T.S.

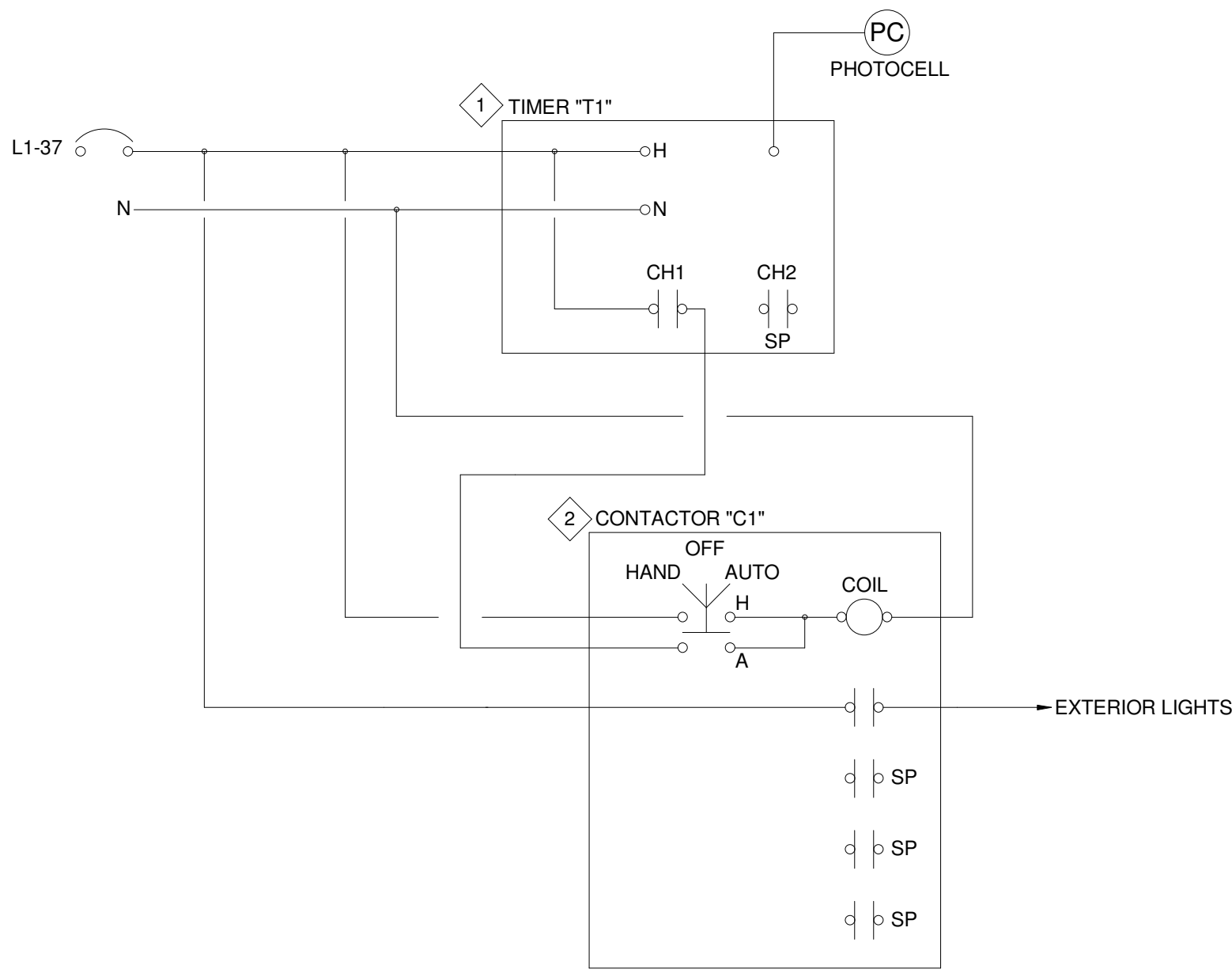
KEYED NOTES:

- COORDINATE WITH UTILITY CO. FOR ALL PRIMARY ELECTRICAL REQUIREMENTS, INCLUDING POLE LOCATION, POLE MOUNTED TRANSFORMER REQUIREMENTS, CONDUIT QUANTITIES AND SIZES, METER REQUIREMENTS, AND ALL OTHER EQUIPMENT NEEDED FOR A COMPLETE SERVICE.
- PROVIDE 2 SETS OF 4-#350KCMIL, EACH SET TO ROUTE INSIDE 3"C. COORDINATE WITH UTILITY CO. FOR CONNECTION AND ALL INSTALLATION REQUIREMENTS IN ACCORDANCE WITH THEIR STANDARDS.
- ELECTRIC SERVICE METER. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY CO. AND ARRANGING/COORDINATING INSTALLATION.
- PROVIDE AND INSTALL SPD. REFER TO SPECIFICATIONS FOR REQUIREMENTS. COORDINATE BREAKER SIZE WITH MANUFACTURER AND PROVIDE CONDUCTORS TO ACCOMMODATE BREAKER SIZE PER NEC.
- 3 #10 AND 1#10GND IN 3/4"C IN 2" LONG NIPPLE TO MINIMIZE WIRE LENGTH.

NEW SERVICE LOAD ANALYSIS

PROJECT: CAMINO REAL RENOVATION
PROJECT NUMBER: 200223cz
NEW DISTRIBUTION:

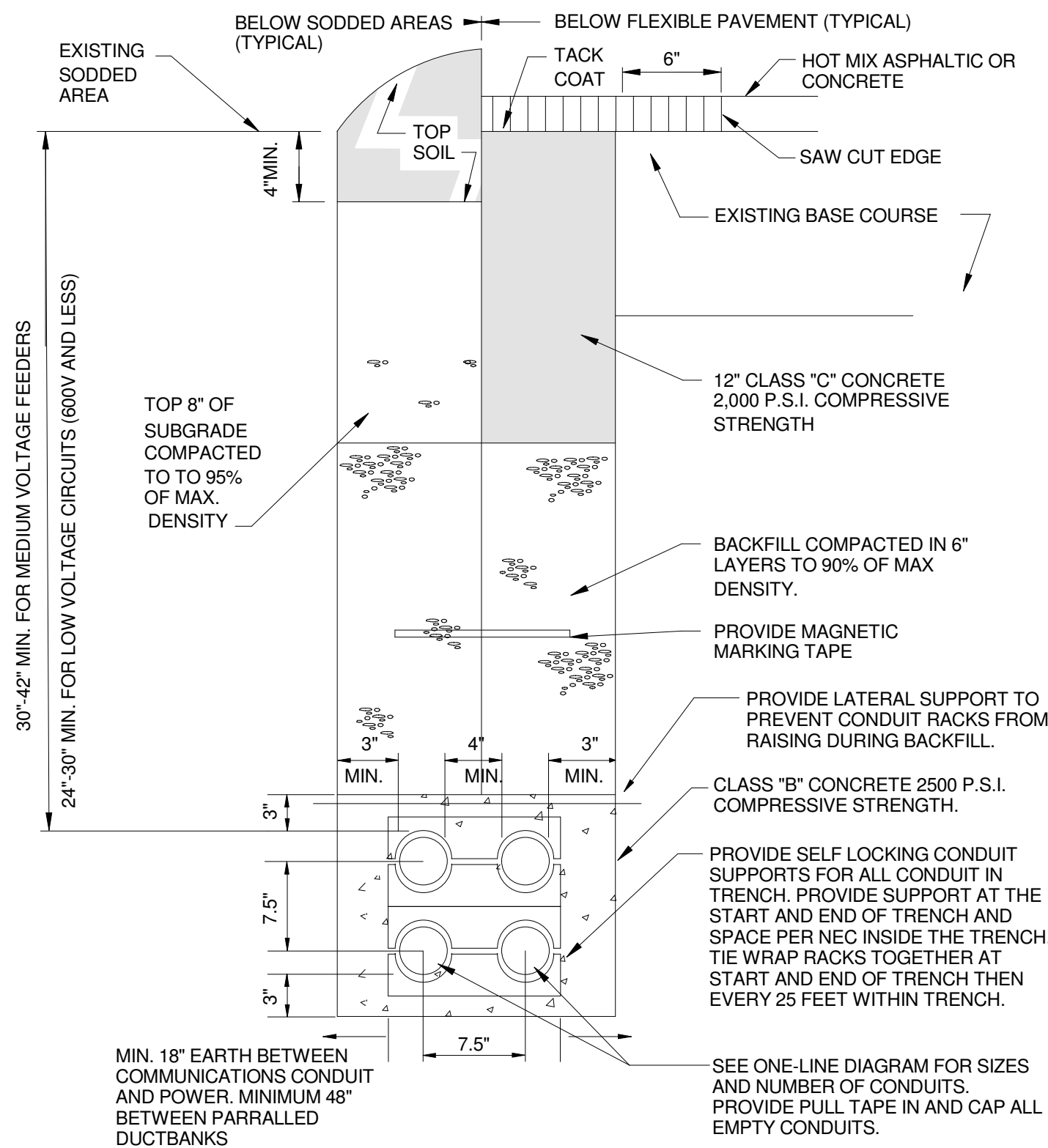
TYPE	208 VOLT	
	NEW CONNECTED	NEW DEMAND
EQUIPMENT:	29	29
RECEPTACLES:	107	67
LIGHTING:	6	8
AC/HEATING:	281	281
CONTINUOUS MOTORS:	2	2
OTHERS:	0	0
TOTAL	425	388
SERVICE VOLTAGE:	208	VOLT
SCHEDULED SERVICE AMPACITY:	600	AMP



1 EXTERIOR LIGHTING CONTROL WIRING DIAGRAM
E-601 NTS

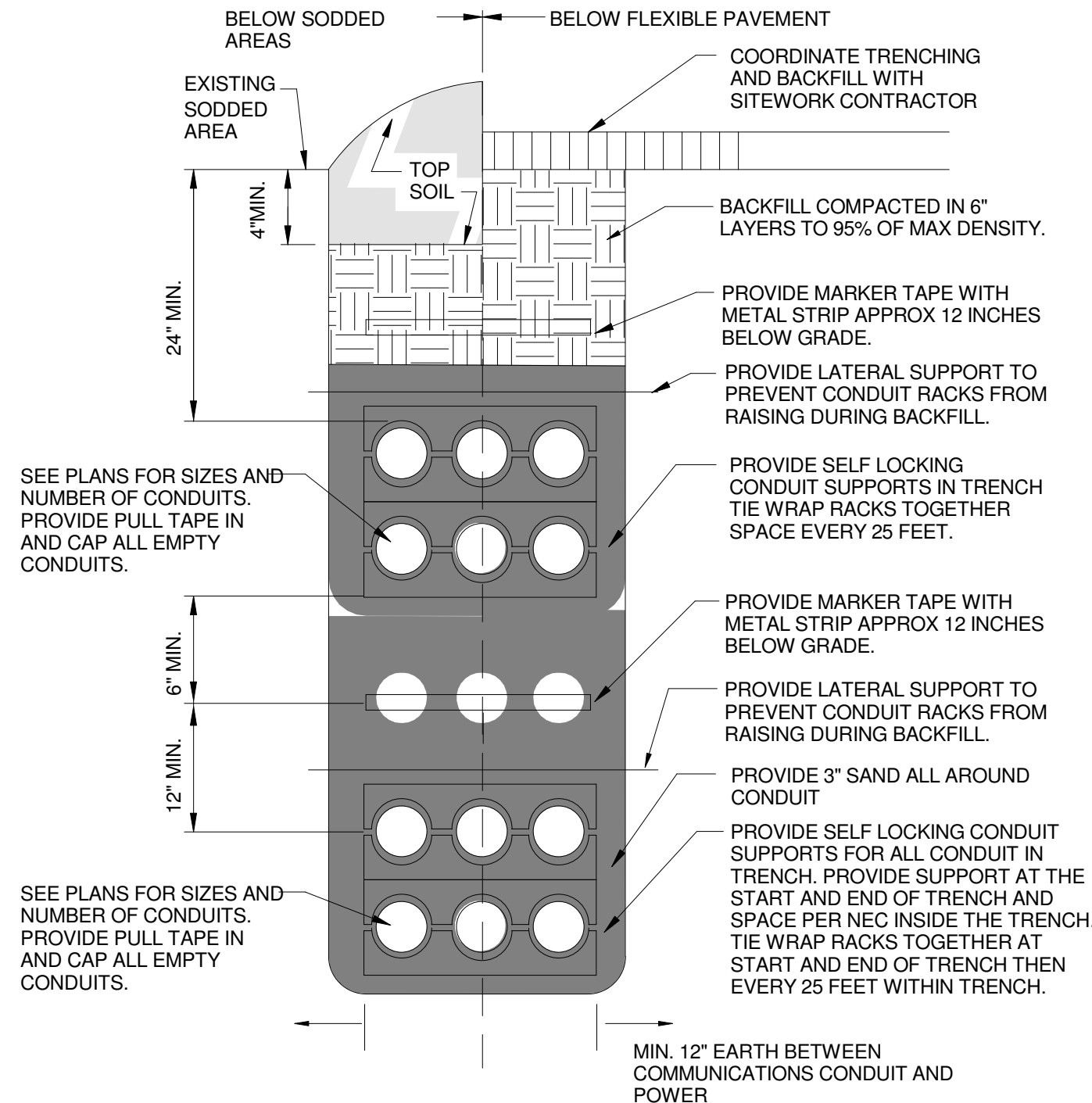
KEYED NOTES:

- 1 TIMER 'T1' SHALL BE DIGITAL, 2 CHANNEL, ASTRONOMIC WITH MANUAL OVERRIDE AND SEVEN DAY POWER BACKUP (TORK #DGLC200A-NC (INDOOR/OUTDOOR ENCLOSURE AND INCLUDES A MODEL EPC-A PHOTOSENSOR) OR EQUIVALENT BY OTHER MANUFACTURER. CONTRACTOR SHALL COORDINATE WITH OWNER FOR CUSTOM PROGRAMMING INCLUDING BUT NOT LIMITED TO WORKWEEK, WEEKEND, AND HOLIDAY SCHEDULING. MOUNT 'T1' ADJACENT TO PANEL BEING SERVED FROM.
- 2 CONTACTOR SHALL HAVE HAND-OFF-AUTO (MAINTAINED 3-POSITION) SELECTOR SWITCH, 120V COIL, NEMA 1 OR NEMA 3R (AS APPROPRIATE) WALL MOUNTED ENCLOSURE AND 20-AMP CONTACTS AS INDICATED. MOUNT CONTACTOR ABOVE PANEL WHOSE CIRCUITS ARE BEING CONTROLLED.



NOTE:
APPLIES TO ALL BURIED CONDUITS. BACKFILL APPLIES TO ALL AREAS NOT JUST ROADWAYS OR ADJACENT TO ROADWAY.

2 POWER CONDUIT BURIAL DETAIL
E-601 NOT TO SCALE



NOTE:
APPLIES TO ALL BURIED CONDUITS. BACKFILL APPLIES TO ALL AREAS NOT JUST ROADWAYS OR ADJACENT TO ROADWAY.

3 BRANCH CIRCUIT COMMUNICATIONS BURIED CONDUIT DETAIL
E-601 NOT TO SCALE

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FRI COUNTY

ELECTRICAL
DETAILS

100% SUBMITTAL

Scale: As Indicated

200223(cz)

05/05/2021

E-601