

HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

KELSO SCHOOL DISTRICT NO. 458



BID SET

INTEGRUS PROJECT NO. 21938.00



VOLUME 1 OF 2

GENERAL, TOPO, CIVIL,
HAZMAT, DEMO, STRUCTURAL,
ARCHITECTURAL

PROJECT TEAM

OWNER KELSO SCHOOL DISTRICT NO 453 601 CRAWFORD ST, KELSO, WA 98626 (360) 501-1900	MECHANICAL HULTZ - BHJ 1111 FAWCETT AVE SUITE 100 TACOMA, WA 98402 253.670.8213 NICK HULTZ
OWNERS REP CONSTRUCTION SERVICES GROUP ESD112 2500NE 65TH AVE VANCOUVER, WA 98661 360-952-3566 ANDREW TWYMAN	ELECTRICAL HULTZ - BHJ 1111 FAWCETT AVE SUITE 100 TACOMA, WA 98402 253.365.7221 SERU HAMM
ARCHITECTURAL INTEGRUS ARCHITECTURE 117 S MAIN STREET SUITE 100 SEATTLE, WA 98104 206.628.3137 SAM SCHAFER	FOOD SERVICE HALLIDAY ASSOCIATES 656 NW NORWOOD STREET CAMAS, WASHINGTON 98607 360.834.6657 LAURA BOURLAND
CIVIL PBS - VANCOUVER 415 W 6TH STREET, SUITE 601 VANCOUVER, WA 98660 360.587.2110 ELISSA PETERS	ACOUSTICAL LISTEN ACOUSTICS, INC 4949 S MACADAM AVE, SUITE 22 PORTLAND, OR 97204 503.241.5255 TOBIN COOLEY
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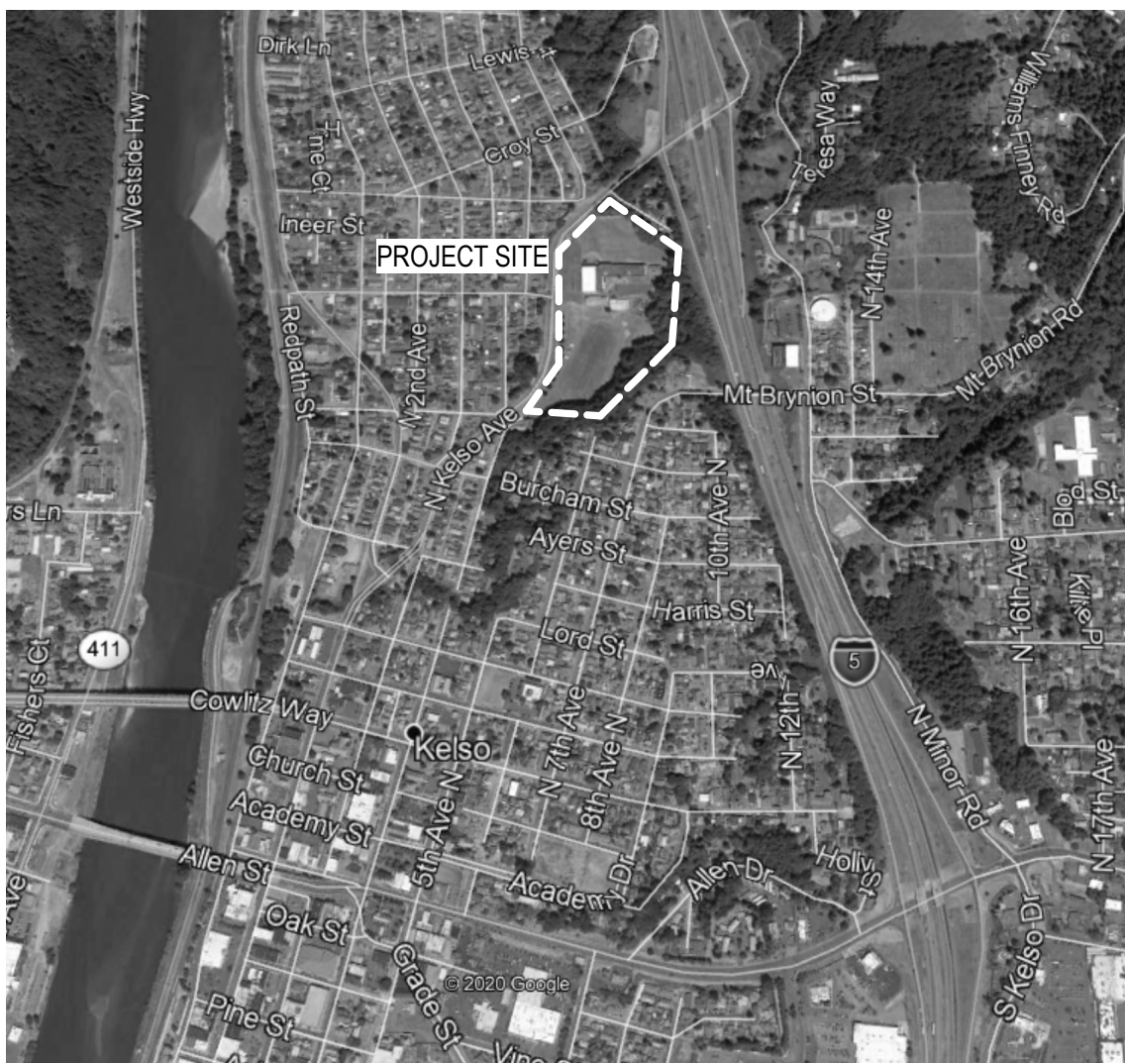
ALTERNATES

	BASE BID DESCRIPTION	BID ALTERNATE DESCRIPTION
1. NEW EXTERIOR WINDOW OPENINGS	PROVIDE NEW EXTERIOR WINDOW OPENINGS AND ROLLER SHADES AT OFFICE 226, WORKROOM 230, SPEECH 215, OFFICE 127, TSEC 125, AND SPECIAL ED. 121A (6 TOTAL NEW WINDOW OPENINGS)	ADD: PROVIDE NEW EXTERIOR WINDOW OPENINGS AND ROLLERSHADES AT CLASSROOM, ART, SCIENCE, SPECIAL ED, AND FCS SPACES. (24 TOTAL NEW WINDOW OPENINGS)
2. BOILER ROOM CEILING	PROVIDE PAINT IN-LIEU OF CEILING TYPE GWB-2 AT BOILER ROOM 033	ADD: PROVIDE CEILING TYPE GWB-2 IN BOILER ROOM 033 PER DOCUMENTS
3. POWER AT CLASSROOM EXTERIOR WALLS	DO NOT PROVIDE POWER AT CLASSROOM EXTERIOR WALLS	ADD: PROVIDE POWER AT CLASSROOM EXTERIOR WALLS PER DOCUMENTS
4. EXISTING GYMNASIUM A/V SYSTEM	DO NOT PROVIDE A/V SYSTEM AT EXISTING GYMNASIUM	ADD: PROVIDE NEW A/V SYSTEM IN EXISTING GYMNASIUM (A/V RACK, PROJECTOR, PROJECTOR SCREEN, SCISSOR LIFT) PER DOCUMENTS
5. ELECT / LOW VOLTAGE WORK AT SHOP, FIELDHOUSE, PORTABLES	NO WORK AT BLDGS 2, 3 AND PORTABLE	ADD: PROVIDE WORK AT BLDGS 2, 3, AND PORTABLE PER SHEET E403
6. EXISTING GYM SCORE BOARD AND SHOT CLOCK	EXISTING SCOREBOARD AND SHOT CLOCK IN EXISTING GYM TO REMAIN.	ADD: NEW SCOREBOARD AND SHOT CLOCK IN THE CURRENT LOCATION OF THE EXISTING GYM.
7. EXTERIOR ELECTRONIC READER BOARD	DO NOT PROVIDE EXTERIOR READER BOARD ON WEST FAÇADE OF EXISTING BUILDING	ADD ELECTRONIC READER BOARD ON WEST WALL OF THE EXISTING CLASSROOM BUILDING NEAR GRIDLINE XC AND X1, AS SHOWN IN DOCUMENTS
8. THEATRICAL LIGHTING AT STAGE	DO NOT PROVIDE THEATRICAL LIGHTING AT STAGE	ADD: THEATRICAL LIGHTING ARRAY AT STAGE.
9. CYCLORAMA AND STAGE CURTAIN	DO NOT PROVIDE CYCLORAMA CURTAIN OR STAGE CURTAIN AT STAGE	ADD: CYCLORAMA CURTAIN AND STAGE CURTAIN AT STAGE
10. CEILING DIFFUSING PANELS AT MUSIC ROOM	PROVIDE ACT-7 MUSIC ROOM 148	ADD: PROVIDE CEILING DIFFUSING PANELS AT MUSIC ROOM PER DOCUMENTS
11. WALL ACOUSTIC PANELS AT CAFETERIA	PROVIDE PAINT IN-LIEU OF ACOUSTIC PANELS AT CAFETERIA ROOM 012	ADD: PROVIDE ACOUSTIC PANELS IN CAFETERIA ROOM 012 PER DOCUMENTS
12. VWC GRAPHICS	PROVIDE PAINT IN-LIEU OF VWC GRAPHICS IN HALLWAYS AT LIBRARY, ADMIN, CAFETERIA	ADD: PROVIDE VWC GRAPHICS IN HALLWAYS AT LIBRARY, ADMIN, CAFETERIA PER DOCUMENTS
13. DELETE AIR CONDITIONING	PROVIDE AIR CONDITIONING AND ASSOCIATED WORK AS SHOWN IN THE PROJECT DOCUMENTS.	REMOVE: AIR CONDITIONING FROM ENTIRE PROJECT. DELETE: AIR CONDITIONING FROM ENTIRE PROJECT. INCLUDES REMOVAL OF CHILLER CH-1, CHILLED WATER PUMPS CP-4A AND CP-4B, CHILLED WATER PIPING, COOLING COILS FROM AIR HANDLING UNITS, AND ASSOCIATED VALVES AND ACCESSORIES. DELETE: EARTHWORK, CONCRETE, ASPHALT, PIPES, AND CURB SHOWN ON 'CHILLER PAD' DETAIL ON SHEET C404, EXCEPT ASPHALT ASSOCIATED WITH ELECTRICAL CONDUIT TRENCH RESTORATION. DELETE: SEED MIX AROUND CHILLER PAD SHOWN ON SHEET C301. DELETE: STRIPING BETWEEN EXISTING BUILDING 1 AND EXISTING BUILDINGS 2 AND 3 SHOWN ON SHEET C301. ADD: STRIPING ON NEW ASPHALT FOR TRENCH RESTORATION BETWEEN EXISTING BUILDING 1 AND EXISTING BUILDINGS 2 AND 3 TO MATCH EXISTING CONDITIONS. DELETE: FEEDERS AND CIRCUIT BREAKERS FOR CHILLER CH-1, HEAT TRACE, CHILLED WATER PUMPS CP-4A AND CP-4B. REVISE: PROVIDE 1600 AMP MAIN SWITCHBOARD M5B IN LIEU OF 2000 AMP. DELETE: DRAWING SHEET A114, OMIT IN ITS ENTIRETY. DELETE: DRAWING SHEET A621. OMIT ALL REFERENCES TO STC 36 REQUIREMENTS, OMIT IGU TYPE IG-3. REVISE: SPECIFICATION SECTION 085413. OMIT PARAGRAPHS 2.3F.1 AND 2.3F.2 MODIFY: SHEET A100A - "LEVEL 0 BUILDING 1 AREA A - FOUNDATION/FIRST FLOOR PLAN" DELETE: CALLOUT "TOP OF CHILLER YARD NORTH WALL TO MATCH TOP OF ADJ (E) FTG. STEP FOOTING AS SHOWN IN WALL ELEVATION, GC COORD ELEVATION AND NUMBER OF FTG STEPS REQUIRED PER 28/S206" DELETE: CALLOUT "12" THICK CONCRETE RETAINING WALL AROUND CHILLER YARD. SEE DETAILS FOR TOF." DELETE: CALLOUT "PROVIDE MECH PAD FOR CHILLER PER 4/S2020 SIZE PER MECH AND CHILLER MFR" DELETE: CALLOUT "PIPE PER MECH. SEE 13/S021" DELETE: CALLOUT "SEE 1/A114 FOR CHILLER YARD FENCE/GATE DETAILS" DELETE: CALLOUT "GATE POST. SEE ARCH. PROVIDE BASE PL PER 8/S206" DELETE: CALLOUT "5'-0" X 5'-0" X 18" FTG W/ (5) #6 REINF T&B EA WAY, TOP OF FTG TO MATCH TOP OF RETAINING WALL FTG, CONTINUE REINF THROUGH RETAINING WALL FTG, CTR FTG ON GATE POST" DELETE: DETAIL REFERENCE 27/S206 AT TWO (2) LOCATIONS DELETE: WALL ELEVATION REFERENCES 1/S206, 6/S206, 16/S206 DELETE: SHEET S206

05/28/2021

SET NO. _____

VICINITY MAP



SHEET INDEX

VOLUME 1

GENERAL	
G001	INDEX, VICINITY MAP
G010	ARCHITECTURAL SITE PLAN
G020	CODE COMPLIANCE
G021	CODE ANALYSIS - LIFE SAFETY PLAN
G022	ENERGY CODE COMPLIANCE
SURVEY	
TOPO-01	TOPOGRAPHIC SURVEY NOTES AND CONTROL
TOPO-02	TOPOGRAPHIC SURVEY NORTH FIELD
TOPO-03	TOPOGRAPHIC SURVEY BUILDINGS AND PARKING
TOPO-04	TOPOGRAPHIC SURVEY TRACK AND FIELD
TOPO-05	TOPOGRAPHIC SURVEY SOUTHWEST EXTENT
CIVIL	
C001	COVER SHEET
C002	GENERAL NOTES
C003	LEGEND
C101	EXISTING CONDITIONS AND DEMO PLAN
C102	EXISTING CONDITIONS AND DEMO PLAN FOR PATH
C201	EROSION CONTROL PLAN
C202	EROSION CONTROL PLAN FOR PATH
C203	EROSION CONTROL DETAILS
C301	SITE PLAN
C302	SITE PLAN
C401	GRADING KEY MAP
C402	AUXILIARY GYM GRADING DETAILS
C403	AUXILIARY GYM GRADING DETAILS
C404	CHILLER PAD GRADING DETAILS
C405	PARKING LOT GRADING DETAILS
C406	ADA GRADING DETAILS
C407	PEDESTRIAN TRAIL GRADING DETAILS
C501	UTILITY PLAN
C601	MISCELLANEOUS DETAILS
C602	MISCELLANEOUS DETAILS
C603	STANDARD STREET DETAILS
C604	STANDARD STREET DETAILS
C605	BEDDING AND TRENCHING STANDARD DETAILS
C606	STANDARD STORMWATER DETAILS
C607	CITY OF KELSO WATER NOTES AND CHLORINIZATION PROCESS
C608	CITY OF KELSO WATER SPECS
C609	CITY OF KELSO STANDARD WATER DETAILS
HAZMAT	
H100	LEVEL 0 - OVERALL PLAN HAZMAT
H101	LEVEL 1 - OVERALL PLAN HAZMAT
H102	LEVEL 2 - OVERALL PLAN HAZMAT
DEMO	
AD100A	LEVEL 0 AREA A - DEMO FLOOR PLAN
AD101A	LEVEL 1 AREA A - DEMO FLOOR PLAN
AD101B	LEVEL 1 AREA B - DEMO FLOOR PLAN
AD102A	LEVEL 2 AREA A - DEMO FLOOR PLAN
AD102B	LEVEL 2 AREA B - DEMO FLOOR PLAN
AD100	LEVEL 0 - OVERALL DEMO PLAN AND PHOTOS
AD101	LEVEL 1 - OVERALL DEMO PLAN AND PHOTOS
AD102	LEVEL 2 - OVERALL DEMO PLAN AND PHOTOS
AD121	DEMO ROOF PLAN AND PHOTOS
AD130	DEMO RCP - LEVEL 0 - OVERALL
AD131	DEMO RCP - LEVEL 1 - OVERALL
AD132	DEMO RCP - LEVEL 2 - OVERALL
STRUCTURAL	
S001	STRUCTURAL GENERAL NOTES
S002	STRUCTURAL GENERAL NOTES
S003	SPECIAL INSPECTION TABLES
S020	TYPICAL CONCRETE DETAILS
S021	TYPICAL CONCRETE DETAILS
S022	TYPICAL STEEL DETAILS
S023	TYPICAL MASONRY DETAILS
S024	TYPICAL STEEL JOIST DETAILS
S025	TYPICAL METAL STUD DETAILS
S026	TYPICAL COORDINATION DETAILS
S027	TYPICAL COORDINATION DETAILS
S100.0C	SOIL IMPROVEMENT PLAN - ADDITION AREA C - AUXILIARY GYM
S100A	LEVEL 0 BUILDING 1 AREA A - FOUNDATION/FIRST FLOOR PLAN
S100C	LEVEL 0 ADDITION AREA C - AUXILIARY GYM FOUNDATION/FIRST FLOOR PLAN
S101A	LEVEL 1 BUILDING 1 AREA A - FRAMING PLAN
S101B	LEVEL 1 BUILDING 1 AREA B - FOUNDATION/FIRST FLOOR PLAN
S102A	LEVEL 2 BUILDING 1 AREA A - FRAMING PLAN
S102B	LEVEL 2 BUILDING 1 AREA B - FRAMING PLAN
S103A	ROOF BUILDING 1 AREA A - ROOF FRAMING PLAN
S103B	ROOF BUILDING 1 AREA B - ROOF FRAMING PLAN
S103C	ROOF ADDITION AREA C - AUXILIARY GYM ROOF FRAMING PLAN
S201	AUXILIARY GYM WALL ELEVATIONS
S202	BUILDING 1 STRUCTURAL WALL ELEVATIONS
S203	BUILDING 1 STRUCTURAL WALL ELEVATIONS
S204	BUILDING 1 STRUCTURAL WALL ELEVATIONS
S205	BUILDING 1 STRUCTURAL WALL ELEVATIONS
S206	CHILLER RETAINING WALL ELEVATIONS AND DETAILS
S301	FOUNDATION DETAILS & SECTIONS
S302	FRAMING DETAILS & SECTIONS
S303	FRAMING DETAILS & SECTIONS
S304	FRAMING DETAILS & SECTIONS
S305	FRAMING DETAILS & SECTIONS
S401	ENLARGED FRAMING PLANS
S501	JOIST LOADING DIAGRAMS AND LOAD MAPS

ARCHITECTURAL	
A001	GENERAL NOTES, ABBREVIATIONS
A010	ASSEMBLIES
A011	ASSEMBLIES - INTERIOR
A100	LEVEL 0 OVERALL FLOOR PLAN
A100A	LEVEL 0 AREA A - FLOOR PLAN
A100C	LEVEL 0 AREA C - FLOOR PLAN
A101	LEVEL 1 OVERALL FLOOR PLAN
A101A	LEVEL 1 AREA A - FLOOR PLAN
A101B	LEVEL 1 AREA B - FLOOR PLAN
A102	LEVEL 2 - OVERALL FLOOR PLAN
A102A	LEVEL 2 AREA A - FLOOR PLAN
A102B	LEVEL 2 AREA B - FLOOR PLAN
A103	OVERALL ROOF PLAN
A103A	ENLARGED ROOF PLAN - BUILDING 1 AREA A
A103B	ENLARGED ROOF PLAN - BUILDING 1 AREA B
A103C	ENLARGED ROOF PLAN - BUILDING 1 AREA C
A111	ENLARGED STAIR PLANS AND SECTION
A112	SITE DETAILS
A113	ENLARGED STAIR / RAMP - PLANS, SECTIONS, DETAILS
A114	CHILLER YARD AND DETAILS
A120	LEVEL 0 - OVERALL RCP
A120A	LEVEL 0 BUILDING 1 AREA A - RCP
A121	LEVEL 0 BUILDING 1 AREA C - RCP
A121A	LEVEL 1 - OVERALL RCP
A121B	LEVEL 1 AREA A - RCP
A122	LEVEL 2 - OVERALL RCP
A122A	LEVEL 2 AREA A - RCP
A122B	LEVEL 2 AREA B - RCP
A201	OVERALL EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A203	EXTERIOR ELEVATIONS
A204	EXTERIOR ELEVATIONS - ADDITION
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS - ADDITION
A321	WALL SECTIONS
A322	WALL SECTIONS
A323	WALL SECTIONS - BLDG. 1 ADDITION
A324	WALL SECTIONS - BLDG. 1 ADDITION
A351	DETAILS - FOUNDATION
A352	DETAILS - EXTERIOR WALL
A353	DETAILS - EXTERIOR WALL
A361	DETAILS - PARAPET / ROOF
A362	DETAILS - PARAPET / ROOF
A363	DETAILS - PARAPET / ROOF
A364	DETAILS - PARAPET / ROOF
A365	DETAILS - ROOF CANOPY
A371	EXPANSION JOINT DETAILS
A381	EXTERIOR BUILDING SIGNAGE
A400	FINISH & COLOR SCHEDULE
A400A	LEVEL 0 AREA A - FINISH PLAN
A400C	LEVEL 0 AREA C - FINISH PLAN
A401A	LEVEL 1 AREA A - FINISH PLAN
A401B	LEVEL 1 AREA B - FINISH PLAN
A402A	LEVEL 2 AREA A - FINISH PLAN
A402B	LEVEL 2 AREA B - FINISH PLAN
A403	GYM STRIPING PLAN
A404	GYM STRIPING PLAN
A405	AUX GYM STRIPING PLAN
A411	ENLARGED PLANS - TOILET ROOMS
A412	ENLARGED PLANS - TOILET ROOMS
A413	ENLARGED PLANS - TOILET ROOMS
A414	ENLARGED PLANS - TOILET ROOMS
A451	INTERIOR ELEVATIONS - PUBLIC
A452	INTERIOR ELEVATIONS - PUBLIC
A453	INTERIOR ELEVATIONS - PUBLIC
A454	INTERIOR ELEVATIONS - PUBLIC
A455	INTERIOR ELEVATIONS - CIRCULATION
A456	INTERIOR ELEVATIONS - CIRCULATION
A457	INTERIOR ELEVATIONS - LEARNING SPACES
A458	INTERIOR ELEVATIONS - LEARNING SPACES
A459	INTERIOR ELEVATIONS - LEARNING SPACES
A461	INTERIOR ELEVATIONS - ADMIN
A462	INTERIOR ELEVATIONS - ADMIN
A463	INTERIOR ELEVATIONS - LOCKER ROOMS
A471	INTERIOR WALL DETAILS
A472	INTERIOR WALL AND FLOOR DETAILS
A481	CEILING DETAILS
A491	CASEWORK DETAILS
A492	CASEWORK DETAILS
A493	CASEWORK DETAILS
A494	CASEWORK DETAILS
A501	ENLARGED STAIR PLANS AND SECTIONS
A502	ENLARGED STAIR PLANS AND SECTIONS
A503	ENLARGED STAIR PLANS AND SECTIONS
A504	ENLARGED STAIR PLANS AND SECTIONS
A505	ENLARGED ACCESS LADDER SECTIONS
A511	STAIR DETAILS
A601	DOOR AND FRAME SCHEDULE
A602	DOOR AND RELITE - LEGEND
A611	DOOR AND RELITE DETAILS
A612	DOOR AND RELITE DETAILS
A621	WINDOW TYPES
A631	DETAILS - WINDOWS
A632	DETAILS - STOREFRONT AND LOUVERS
A633	DETAILS - STOREFRONT AT ADDITION
A701	DETAILS - STOREFRONT AT ADDITION
A721	SIGNAGE SCHEDULE
A722	SIGNAGE SCHEDULE
GENERAL NOTES, ABBREVIATIONS	
ASSEMBLIES	
ASSEMBLIES - INTERIOR	
LEVEL 0 OVERALL FLOOR PLAN	
LEVEL 0 AREA A - FLOOR PLAN	
LEVEL 0 AREA C - FLOOR PLAN	
LEVEL 1 OVERALL FLOOR PLAN	
LEVEL 1 AREA A - FLOOR PLAN	
LEVEL 1 AREA B - FLOOR PLAN	
LEVEL 2 - OVERALL FLOOR PLAN	
LEVEL 2 AREA A - FLOOR PLAN	
LEVEL 2 AREA B - FLOOR PLAN	
OVERALL ROOF PLAN	
ENLARGED ROOF PLAN - BUILDING 1 AREA A	
ENLARGED ROOF PLAN - BUILDING 1 AREA B	
ENLARGED ROOF PLAN - BUILDING 1 AREA C	
ENLARGED STAIR PLANS AND SECTION	
SITE DETAILS	
ENLARGED STAIR / RAMP - PLANS, SECTIONS, DETAILS	
CHILLER YARD AND DETAILS	
LEVEL 0 - OVERALL RCP	
LEVEL 0 BUILDING 1 AREA A - RCP	
LEVEL 0 BUILDING 1 AREA C - RCP	
LEVEL 1 - OVERALL RCP	
LEVEL 1 AREA A - RCP	
LEVEL 2 - OVERALL RCP	
LEVEL 2 AREA A - RCP	
LEVEL 2 AREA B - RCP	
OVERALL EXTERIOR ELEVATIONS	
EXTERIOR ELEVATIONS	
EXTERIOR ELEVATIONS	
EXTERIOR ELEVATIONS - ADDITION	
BUILDING SECTIONS	
BUILDING SECTIONS - ADDITION	
WALL SECTIONS	
WALL SECTIONS	
WALL SECTIONS - BLDG. 1 ADDITION	
WALL SECTIONS - BLDG. 1 ADDITION	
DETAILS - FOUNDATION	
DETAILS - EXTERIOR WALL	
DETAILS - EXTERIOR WALL	
DETAILS - PARAPET / ROOF	
DETAILS - PARAPET / ROOF	
DETAILS - PARAPET / ROOF	
DETAILS - ROOF CANOPY	
EXPANSION JOINT DETAILS	
EXTERIOR BUILDING SIGNAGE	
FINISH & COLOR SCHEDULE	
LEVEL 0 AREA A - FINISH PLAN	
LEVEL 0 AREA C - FINISH PLAN	
LEVEL 1 AREA A - FINISH PLAN	
LEVEL 1 AREA B - FINISH PLAN	
LEVEL 2 AREA A - FINISH PLAN	
LEVEL 2 AREA B - FINISH PLAN	
GYM STRIPING PLAN	
GYM STRIPING PLAN	
AUX GYM STRIPING PLAN	
ENLARGED PLANS - TOILET ROOMS	
ENLARGED PLANS - TOILET ROOMS	
ENLARGED PLANS - TOILET ROOMS	
ENLARGED PLANS - TOILET ROOMS	
INTERIOR ELEVATIONS - PUBLIC	
INTERIOR ELEVATIONS - PUBLIC	
INTERIOR ELEVATIONS - PUBLIC	
INTERIOR ELEVATIONS - PUBLIC	
INTERIOR ELEVATIONS - CIRCULATION	
INTERIOR ELEVATIONS - CIRCULATION	
INTERIOR ELEVATIONS - LEARNING SPACES	
INTERIOR ELEVATIONS - LEARNING SPACES	
INTERIOR ELEVATIONS - LEARNING SPACES	
INTERIOR ELEVATIONS - ADMIN	
INTERIOR ELEVATIONS - ADMIN	
INTERIOR ELEVATIONS - LOCKER ROOMS	
INTERIOR WALL DETAILS	
INTERIOR WALL AND FLOOR DETAILS	
CEILING DETAILS	
CASEWORK DETAILS	
CASEWORK DETAILS	
CASEWORK DETAILS	
CASEWORK DETAILS	
ENLARGED STAIR PLANS AND SECTIONS	
ENLARGED STAIR PLANS AND SECTIONS	
ENLARGED STAIR PLANS AND SECTIONS	
ENLARGED STAIR PLANS AND SECTIONS	
ENLARGED ACCESS LADDER SECTIONS	
STAIR DETAILS	
DOOR AND FRAME SCHEDULE	
DOOR AND RELITE - LEGEND	
DOOR AND RELITE DETAILS	
DOOR AND RELITE DETAILS	
WINDOW TYPES	
DETAILS - WINDOWS	
DETAILS - STOREFRONT AND LOUVERS	
DETAILS - STOREFRONT AT ADDITION	
DETAILS - STOREFRONT AT ADDITION	
SIGNAGE SCHEDULE	
SIGNAGE SCHEDULE	
SIGNAGE DETAILS	
SIGNAGE DETAILS	

VOLUME 2

GENERAL	
G 001	INDEX, VICINITY MAP
G 010	ARCHITECTURAL SITE PLAN
FOOD SERVICE	
FS100	LEVEL 0 FOOD SERVICE EQUIPMENT PLAN
FS101	LEVEL 0 FOOD SERVICE PLUMBING PLAN
FS102	LEVEL 0 FOOD SERVICE MECHANICAL / FLOOR DEPRESSION PLAN
FS103	LEVEL 0 FOOD SERVICE ELECTRICAL / REFRIGERATION PLAN
FS200	LEVEL 0 FOOD SERVICE CANOPY HOOD DETAILS
FS300	LEVEL 0 FOOD SERVICE WALK-IN DETAILS
FS301	LEVEL 0 FOOD SERVICE ELEVATION & FABRICATION DETAILS
FS302	LEVEL 0 FOOD SERVICE ELEVATION & FABRICATION DETAILS
FS303	LEVEL 0 FOOD SERVICE ELEVATION & FABRICATION DETAILS
FS304	LEVEL 0 FOOD SERVICE ELEVATION & FABRICATION DETAILS
FS305	LEVEL 0 FOOD SERVICE WALK-IN DETAILS
FS306	LEVEL 0 FOOD SERVICE WALK-IN DETAILS
FS307	LEVEL 0 FOOD SERVICE WALK-IN DETAILS
FS308	LEVEL 0 FOOD SERVICE WALK-IN DETAILS
MECHANICAL	
M001	LEGEND AND NOTES
M002	NOTES
M003	SCHEDULES
M004	SCHEDULES
M005	SCHEDULES
MD200A	BLDG 1 AREA A FOUNDATION PLAN - PLUMBING DEMO
MD200B	BLDG 1 AREA B FOUNDATION PLAN - PLUMBING DEMO
MD300A	LEVEL 0 BUILDING 1 FLOOR PLAN - PLUMBING DEMO
MD301A	LEVEL 1 BLDG 1 FLOOR PLAN - PLUMBING DEMO
MD301B	LEVEL 1 BLDG 1 AREA B FLOOR PLAN - PLUMBING DEMO
MD302A	LEVEL 2 BLDG 1 AREA A FLOOR PLAN - PLUMBING DEMO
MD302B	LEVEL 2 BLDG 1 AREA B FLOOR PLAN - PLUMBING DEMO
MD400A	LEVEL 0 BUILDING 1 FLOOR PLAN - HVAC DEMO
MD401A	LEVEL 1 BUILDING 1 AREA A FLOOR PLAN - HVAC DEMO
MD401B	LEVEL 1 BUILDING 1 AREA B FLOOR PLAN - HVAC DEMO
MD402A	LEVEL 2 BUILDING 1 AREA A FLOOR PLAN - HVAC DEMO
MD402B	LEVEL 2 BUILDING 1 AREA B FLOOR PLAN - HVAC DEMO
MD421	OVERALL ROOF PLANS - HVAC DEMO
MD20A	BUILDING 1 AREA A - FOUNDATION PLAN - PLUMBING
MD20B	BUILDING 1 AREA B - FOUNDATION PLAN - PLUMBING
MD20C	BUILDING 1 AREA C - AUXILIARY GYM FOUNDATION PLAN - PLBG
M300A	LEVEL 0 BUILDING 1 FLOOR PLAN - PLUMBING
M300C	LEVEL 0 BUILDING 1 AREA C AUXILIARY GYM - PLUMBING
M301A	LEVEL 1 BUILDING 1 AREA A FLOOR PLAN - PLUMBING
M301B	LEVEL 1 BUILDING 1 AREA B FLOOR PLAN - PLUMBING
M302A	LEVEL 2 BUILDING 1 AREA A - FLOOR PLAN - PLUMBING
M302B	LEVEL 2 BUILDING 1 AREA B - FLOOR PLAN - PLUMBING
M303	ENLARGED PLUMBING PLANS
M304	DETAILS
M305	DETAILS
M306	DETAILS
M307	ENLARGED PLUMBING PLANS
M400A	LEVEL 0 BUILDING 1 AREA A - FLOOR PLAN - HVAC
M400C	LEVEL 0 BUILDING 1 AREA C AUXILIARY GYM - HVAC
M401A	LEVEL 1 BUILDING 1 AREA A - FLOOR PLAN - HVAC
M401B	LEVEL 1 BUILDING 1 AREA B - FLOOR PLAN - HVAC
M402A	LEVEL 2 BUILDING 1 AREA A FLOOR PLAN - HVAC
M402B	LEVEL 2 BUILDING 1 AREA B FLOOR PLAN - HVAC
M404	DETAILS
M405	DETAILS
M406	DETAILS
M410	SECTIONS
M411	SECTIONS
M412	SECTIONS
M421	OVERALL ROOF PLAN - HVAC
M500	LEVEL 0 OVERALL FLOOR PLAN - FIRE PROTECTION
M501	LEVEL 1 OVERALL FLOOR PLAN - FIRE PROTECTION
M502	LEVEL 2 OVERALL FLOOR PLAN - FIRE PROTECTION
ELECTRICAL	
E001	ELECTRICAL ABBREVIATIONS, LEGEND & NOTES
ED001	ELECTRICAL SITE DEMOLITION PLAN
ED100	LEVEL 0 - ELECTRICAL DEMOLITION PLAN
ED101	LEVEL 1 - ELECTRICAL DEMOLITION PLAN
ED102	LEVEL 2 - ELECTRICAL DEMOLITION PLAN
E100	ELECTRICAL SITE PLAN
E200A	LEVEL 0 BLDG 1 AREA A - LIGHTING PLAN
E200C	LEVEL 0 BLDG 1 AREA C - LIGHTING PLAN
E201A	LEVEL 1 BLDG 1 AREA A - LIGHTING PLAN
E201B	LEVEL 1 BLDG 1 AREA B - LIGHTING PLAN
E202A	LEVEL 2 BLDG 1 AREA A - LIGHTING PLAN
E202B	LEVEL 2 BLDG 1 AREA B - LIGHTING PLAN
E300A	LEVEL 0 BLDG 1 AREA A - POWER & SYSTEMS PLAN
E300C	LEVEL 0 BLDG 1 AREA C - POWER & SYSTEMS PLAN
E301A	LEVEL 1 BLDG 1 AREA A - POWER & SYSTEMS PLAN
E301B	LEVEL 1 BLDG 1 AREA B - POWER & SYSTEMS PLAN
E302A	LEVEL 2 BLDG 1 AREA A - POWER & SYSTEMS PLAN
E302B	LEVEL 2 BLDG 1 AREA B - POWER & SYSTEMS PLAN
E303	ENLARGED KITCHEN ELECTRICAL PLAN
E304	LEVEL 0 - FEEDER AND TUNNEL ELECTRICAL PLAN
E305	LEVEL 1 - FEEDER AND TUNNEL ELECTRICAL PLAN
E306	LEVEL 3 - FEEDER AND TUNNEL ELECTRICAL PLAN
E400	LEVEL 0 BUILDING 1 - FIRE ALARM & SECURITY PLAN
E401	LEVEL 1 BUILDING 1 - FIRE ALARM & SECURITY PLAN
E402	LEVEL 2 BUILDING 1 - FIRE ALARM & SECURITY PLAN
E403	BLDGS 2, 3, & PORTABLE - FIRE ALARM, SECURITY, & SYSTEMS PLANS
E500	ELECTRICAL DISTRIBUTION
E501	PANEL SCHEDULES
E502	PANEL SCHEDULES
E503	PANEL SCHEDULES
E504	PANEL SCHEDULES
E505	ELECTRICAL SCHEDULES
E600	LIGHT FIXTURE SCHEDULE
E601	LIGHTING CONTROL
E700	SYSTEMS RISER DIAGRAMS
E701	ELECTRICAL DETAILS
E702	ELECTRICAL DETAILS
E703	LOW VOLTAGE SYSTEMS MATRIX

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	MT
Checked by:	MT

#	Date	Description
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INDEX, VICINITY
MAP

G001

PROJECT DATA AND GENERAL CODE EVALUATION

- PROJECT NAME: HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

- PROJECT ADDRESS: 500 REDPATH ST, KELSO, WA 98626

CODE TYPE	CODE TITLE	TECHNICAL BASIS
BUILDING	2018 INTERNATIONAL BUILDING CODE (IBC) & WASHINGTON STATE AMENDMENTS 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)	WAC 51-50
ACCESSIBILITY	ICC ANSI A117.1-2009 ACCESSIBLE & USABLE BUILDINGS & FACILITIES	WAC 51-50
MECHANICAL	2018 INTERNATIONAL MECHANICAL CODE (IMC) & WASHINGTON STATE AMENDMENTS	WAC 51-52
FIRE	2018 INTERNATIONAL FIRE CODE (IFC) & WASHINGTON STATE AMENDMENTS	WAC 51-54A
PLUMBING	2018 UNIFORM PLUMBING CODE (UPC) & WASHINGTON STATE AMENDMENTS	WAC 51-56 & 51-57
ELECTRICAL	NATIONAL ELECTRICAL CODE (NFPA)	RCW CHAPTER 28 & 29
ENERGY	WASHINGTON STATE ENERGY CODE (COMMERCIAL)	WAC 51-11
INDOOR AIR QUALITY	WASHINGTON STATE VENTILATION & INDOOR AIR QUALITY CODE	WAC 51-13
CIVIL	WSDOT 2000	
FIRE SPRINKLERS	NFPA 13	
FIRE ALARM	NFPA 72	

PROJECT DESCRIPTION

- THIS PROJECT INCLUDES THE MODERNIZATION OF AN EXISTING CLASSROOM BUILDING AND THE CONSTRUCTION OF A NEW AUXILIARY GYM ON THE HUNTINGTON MIDDLE SCHOOL SITE UNDER THE JURISDICTION OF THE CITY OF KELSO. ALTERATIONS INCLUDE ACCESSIBILITY, ARCHITECTURAL FINISHES AND CABINETRY, BUILDING ENVELOPE, SECURITY, MECHANICAL AND ELECTRICAL SYSTEMS, AND LIMITED SITE UPGRADES. A NEW GYM BUILDING IS BEING CONSTRUCTED, INCLUDING NECESSARY INFRASTRUCTURE FOR ITS OPERATION AND FOR CONNECTION TO THE EXISTING CAMPUS.

- THE EXISTING CLASSROOM BUILDING (BLDG 1) INCLUDES LEVEL 3 ALTERATION THROUGHOUT UTILIZING THE WORK AREA COMPLIANCE METHOD AND THE ADDITION OF A VESTIBULE TO ALLOW ACCESS CONTROL. CODE REQUIREMENTS ARE DICTATED BY THE IEBC.

- THE EXISTING 'SHOP' BUILDING (BLDG 2) IS EXCLUDED FROM ALTERATION SCOPE. LIMITED WORK PROPOSED WITHIN IS TO ACCOMMODATE CAMPUS WIDE FIRE ALARM AND SECURITY SYSTEMS, S.E.D.

- THE EXISTING 'FIELD HOUSE' BUILDING (BLDG 3) IS EXCLUDED FROM ALTERATION SCOPE. LIMITED WORK PROPOSED WITHIN IS TO ACCOMMODATE CAMPUS WIDE FIRE ALARM AND SECURITY SYSTEMS, S.E.D.

- THE AUXILIARY GYM AND ENTRY VESTIBULE ARE OF NEW CONSTRUCTION, CODE REQUIREMENTS ARE DICTATED BY THE IBC.

ZONING DATA

PARCEL NUMBER: 21582
ZONING CLASSIFICATION: RSF5, RESIDENTIAL
LOT SIZE: 18.66 ACRES

LEGAL DESCRIPTION: PER GIS: 232 (HILLDALE) -3,4,5,6,6 26 -8N -2W BLK 2 EXC PSH, BLK 3,4, ALL BLK 5 EXC PSH 12 IN LOTS 3,4 BLK 6 EXC PSH 12 BLK 7 LOTS 1 / LOTS 5 THRU 15 BLK 8 ALL LOT 2 EXC PSH 12 BLK 8 ALL LOT3 EXC PSH 12 BLK 8 EXC PSH 12 LOT 4 BLK 8 EXC RW OUT BLK 4,8 FEE 779

CLASSIFICATION	REQUIRED	ACTUAL
SETBACKS (PER 17.22.020) FRONT(WEST) SIDE (NORTHSOUTH) REAR (EAST)	20' 5' 10'	150'-4" (E), 179'-2" (NEW) OK 214'-5" (NEW) OK 209'-6" (E), OK
MAXIMUM BUILDING HEIGHT (PER 17.22.020)	50' (E) 35' (NEW, CAN BE INCREASED TO 50')	44'-8" (E) UNCHANGED 32' (NEW) OK
PARKING EXISTING PARKING COUNT TO REMAIN. STUDENT CAPACITY IS NOT INCREASED.	N/A	N/A
MAXIMUM LOT COVERAGE WITH IMPERVIOUS SURFACES (PER 17.22.020)	50%	4.6AC/18.65AC= 24.6% OK

USE AND OCCUPANCY CLASSIFICATION

(SECTIONS 302, 303, & 304)

- MIXED USE OCCUPANCY, NON-SEPARATED USES PER SECTION 506.3

- GROUP(S): GROUP "B" BUSINESS (ADMIN OFFICES AND RECEPTION)
GROUP "A-3" ASSEMBLY (AUX GYM AFTER HOURS ONLY)
GROUP "E" EDUCATION

PLUMBING FIXTURE REQUIREMENTS

(SECTION 2902)

			WATER CLOSETS REQ'D			LAVATORIES REQ'D			DRINKING FOUNTAINS (2902.5) 1 FOR 1ST 150, THEN 1:500	
OCCUPANCY GROUP	SEX	OCC LOAD	WC FACTOR (TABLE 2902.1)	# FIXTURES REQUIRED	# FIXTURES PROVIDED	LAVATORY FACTOR (TABLE 2902.1)	# REQUIRED	# PROVIDED	# REQUIRED	# PROVIDED
BUILDING 1 EDUCATIONAL	MALE	383 ¹	1 PER 35	11	18	1 PER 85	5	12	3	8
	FEMALE	383 ¹	1 PER 25	16	18	1 PER 50	8	12		
BUILDING 1 BUSINESS	M / F	30	1 PER 25 FOR FIRST 50	2	6	1 PER 40 FOR FIRST 80	1	6		
BUILDING 1 ¹ AUX GYM ASSEMBLY, A-3	MALE	322 ¹	1 PER 125	3	11	1 PER 200	2	7		
	FEMALE	322 ¹	1 PER 65	6	11	1 PER 200	2	7		

- ¹ EDUCATIONAL OCCUPANT LOAD PER WA CODE AMENDMENTS TABLE 2902.1 FOOTNOTE "e", 100 SF PER OCCUPANT, GROSS.
- BLDG 1: 80,910 SF - 4,498 BUSINESS SF = 76,412 SF / 100 = 765 OCCUPANTS, 383 MALE, 383 FEMALE
- BLDG 1 BUSINESS OCCUPANCY 4,440 SF / 150 = 30
- INTEGRAL BOTTLE FILLER INCLUDED WITH DRINKING FOUNTAINS, MINIMUM 1 BOTTLE FILLER PER FLOOR, EACH BLDG AUX GYM BASED ON 4,481SF / 7 = 641 OCCUPANTS, 322 MALE, 322 FEMALE. ONLY DURING AFTER HOURS EVENTS, OCCUPANTS WILL HAVE ACCESS TO BLDG 1 TOILET FACILITIES DURING LARGE EVENTS.

EXISTING BUILDING CODE EVALUATION (BLDG 1) PER IEBC

GENERAL PROVISIONS

(CHAPTER 3)

- COMPLIANCE WILL FOLLOW THE WORK AREA METHOD AS DESCRIBED IN CHAPTER 604 (301.3).
- ACCESSIBILITY IS PROVIDED THROUGHOUT IN ACCORDANCE WITH IBC CHAPTER 11 (305.6). UPGRADES PRIMARILY INCLUDE RESTROOMS, DOOR HARDWARE, AND CLEARANCE AROUND DOORS. UPGRADES TO ADD ACCESSIBLE MEANS OF EGRESS ARE NOT INCLUDED PURSUANT TO EXCEPTION 2.
- ALL PRIMARY FUNCTIONS ARE PROVIDED WITH ACCESSIBLE ROUTES, INCLUDING ACCESS TO ACCESSIBLE TOILET FACILITIES AND DRINKING FOUNTAINS (305.7).

CLASSIFICATION OF WORK

(CHAPTER 6)

- WITH THE WORK AREA EXCEEDING 50% OF THE SQUARE FOOTAGE, THE MODERNIZATION SCOPE IS CLASSIFIED AS A LEVEL 3 ALTERATION (604.1).
- THE ADDED VESTIBULE SQUARE FOOTAGE TO BUILDING 1 IS CLASSIFIED AS AN ADDITION (606.1).
- THE ADDED AUXILIARY GYM SQUARE FOOTAGE TO BUILDING 1 IS CLASSIFIED AS AN ADDITION (606.1).

ALTERATION REQUIREMENTS

(CHAPTERS 7, 8, AND 9)

GENERAL COMPLIANCE

- NO PORTION OF THE EXISTING BUILDINGS ARE MADE LESS SAFE THROUGH THIS ALTERATION (701.2).
- ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (801.3).
- ALL PORTIONS OF THE WORK AREA ABOVE WITH EXPOSED EDGES OVER 30" ABOVE ADJACENT FLOOR/GRADE ARE TO BE PROTECTED BY GUARDS (802.5.1).

BUILDING ELEMENTS AND MATERIALS

- WITH AUTOMATIC FIRE SPRINKLER SYSTEM PROVIDED IN THE EXISTING E OCCUPANCY BUILDINGS, EXISTING VERTICAL OPENINGS ARE PERMITTED TO REMAIN WITHOUT 1HR RATED ENCLOSURE PURSUANT TO EXCEPTION 6 (802.2.1).
- EXISTING EGRESS STAIR OPENINGS ARE NOT REQUIRED TO BE ENCLOSED WITH SMOKE-TIGHT CONSTRUCTION. IN ACCORDANCE WITH THE EXCEPTION AND PURSUANT TO IBC 1019.3.1, EXIT ACCESS STAIRWAYS ARE PERMITTED TO REMAIN UNENCLOSED AS THEY DO NOT ATMOSPHERICALLY COMMUNICATE BETWEEN MORE THAN TWO STORIES. THEREFORE SMOKE-TIGHT CONSTRUCTION IS NOT REQUIRED. EACH STAIR IN BLDG 1 CONNECTS ONLY 2 STORIES EXCEPT FOR THE MAIN ENTRY STAIRS. THE LEVEL 0 MAIN ENTRY STAIR LANDING IS TO REMAIN ENCLOSED TO PREVENT ATMOSPHERIC COMMUNICATION WITH THE REST OF THE STORY (803.5.1).

FIRE PROTECTION

- CORRIDOR RATINGS NOT REQUIRED IN ACCORDANCE WITH IBC TABLE 1020.1, (803.1.1)
- AUTOMATIC SPRINKLER SYSTEMS ARE TO BE PROVIDED THROUGHOUT EACH BUILDING (803.2.2).
- FULL FIRE ALARM SYSTEMS ARE TO BE PROVIDED THROUGHOUT EACH BUILDING (803.4.1.1).

MEANS OF EGRESS

- ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS (704.1).
- LEVEL 2 AND 3 REQUIREMENTS APPLY ONLY WHEN THE CONDITION OF MULTIPLE TENANTS OCCURS, THERE IS ONLY 1 TENANT IN THIS PROJECT. (805.1).

ADDITIONS

(CHAPTER 11)

- BLDG 1 VESTIBULE AND AUX GYM ADDITIONS SHALL CONFORM TO IBC NEW CONSTRUCTION REQUIREMENTS

- THE HEIGHT OF THE BUILDING IS NOT INCREASED THROUGH THIS ADDITION. THE ADDED BUILDING AREA DOES NOT EXCEED THE MAXIMUM ALLOWABLE FOR THE EXISTING BUILDING (1102.1 AND 1102.2). REFER TO ALLOWABLE AREA CALC UNDER AUX GYM ADDITION EVALUATION

BLDG 1 ADDITION - AUX GYM & VESTIBULE EVALUATION PER IBC

CONSTRUCTION TYPE

(CHAPTER 6)

- TYPE III-B, FULLY SPRINKLERED. EXTERIOR WALLS AND INTERIOR ELEMENTS ARE IN ACCORDANCE WITH TABLE 601 AND SECTION 602 OF THE CODE.
- MIXED-OCCUPANCY, NONSEPARATED USES

BUILDING HEIGHTS AND AREAS

(CHAPTER 5)

ALLOWABLE VS. ACTUAL BUILDING HEIGHTS & STORIES

- ALLOWABLE HEIGHTS AND STORIES PER TABLES 504.3 AND 504.4.
- FOR NONSEPARATED OCCUPANCIES, ALLOWABLE HEIGHTS AND STORIES ARE DETERMINED BY MOST RESTRICTIVE OCCUPANCY (SECTION 508.3.2)

ALLOWABLE VS. ACTUAL BUILDING AREAS (TABLE 506.2)

- TOTAL ALLOWABLE BUILDING AREA PER 506.2.4 FOR MIXED-OCCUPANCY, MULTISTORY BUILDINGS
- FOR SEPARATED OCCUPANCIES, IN EACH STORY, THE BUILDING AREA SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL BUILDING AREA OF EACH SEPARATED OCCUPANCY DIVIDED BY THE ALLOWABLE BUILDING AREA OF EACH SEPARATED OCCUPANCY SHALL NOT EXCEED 1 (SECTION 508.4.2)

OCCUPANCY	ALLOWABLE BUILDING HEIGHT FOR BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM	ACTUAL BUILDING HEIGHT ABOVE GRADE
"E"	3 STORIES / 60'-0"	3 STORIES / 45' - 0" (EXISTING)

- TOTAL ALLOWABLE BUILDING AREA PER IBC 506.2.4 AND IEBC 1102.2

BUILDING	TYPE	FLOOR	OCCUPANCY	TABULAR BUILDING AREA PER STORY FOR MULTI-STORIED SPRINKLERED BUILDINGS: A _T (MS) AND NON-SPRINKLERED, NS (TABLE 506.2)	AREA INCREASE FOR FRONTAGE PER FLOOR (506.3.3) [NS * I _F]	ALLOWABLE BUILDING AREA PER FLOOR FOR MIXED-OCCUPANCY, MULTISTORY BUILDING, A _A (506.2.4) [A _A = A _T + (NS * I _F)]	ACTUAL BUILDING AREA PER FLOOR
I	III-B	1ST	E	A _T (MS)	NS	I _F = [F / P - 0.25] W / 30 I _F = [1 - 0.25] * (30 / 30) I _F = 75	15,394 SF (EXISTING), 5,887 SF (ADDITION) 21,081 SF (TOTAL)
		2ND	E	43,500 SF	14,500 SF	NS * I _F 14,500 * .75 = 10,875 SF	35,769 SF (EXISTING)
		3RD	E				24,060 SF (EXISTING)
							TOTAL AREA: 80,910 SF

FIRE RESISTANCE REQUIREMENTS

(SECTION 602, TABLE 601)

SEE SECTION 707- FIRE BARRIERS FOR RATED WALL/FLOOR ASSEMBLIES, EXITS, INCIDENTAL USE AREAS

BUILDING ELEMENT	FIRE RESISTANCE RATING CONSTRUCTION TYPE III-B
PRIMARY STRUCTURAL FRAME:	0 HOUR
BEARING WALLS- EXTERIOR:	2 HOUR
BEARING WALLS- INTERIOR:	0 HOUR
NONBEARING- EXTERIOR WALLS/PARTITIONS:	0 HOUR (PER TABLE 602)
NONBEARING- INTERIOR WALLS/PARTITIONS:	0 HOUR
OPENINGS IN EXTERIOR WALLS:	NOT REQ'D (PER TABLE 705.8)
FLOOR CONSTRUCTION & SECONDARY MEMBERS:	0 HOUR
ROOF CONSTRUCTION & SECONDARY MEMBERS:	0 HOUR
ROOF COVERING	CLASS C FOR TYPE IIB CONSTRUCTION

INTERIOR WALLS & CEILING FINISHES, TABLE 803.13 - FULLY SPRINKLERED BUILDING

GROUP	EXIT ENCLOSURES & PASSAGEWAYS	CORRIDORS	ROOMS & ENCLOSED SPACES
B & E, BUSINESS & EDUCATIONAL	B	C	C
A-3, ASSEMBLY	B	B	C

MEANS OF EGRESS

(CHAPTER 10)

- COMMON PATH OF TRAVEL (TABLE 1006.2.1):

MAX. 75 FEET FOR GROUP "E" OCCUPANCY

- EXIT ACCESS TRAVEL (TABLE 1017.2):

MAX. 250 FEET FOR GROUP "E" OCCUPANCY WHERE AUTOMATIC SPRINKLER SYSTEM IS PROVIDED
MAX. 200 FEET WHERE NOT SPRINKLERED (EXISTING BUILDING)

- DEAD END CORRIDORS (SECTION 1020.4):

MAX. 50 FEET FOR GROUP "E" AND "B" OCCUPANCIES WHERE AUTOMATIC SPRINKLER SYSTEM IS PROVIDED

- CORRIDOR WALLS (TABLE 1020.1)

NOT RATED WHERE AUTOMATIC SPRINKLER SYSTEM IS PROVIDED

- REQUIRED EGRESS WIDTH

STAIRWAYS: 20" PER OCCUPANT REQUIRED WHERE AUTOMATIC SPRINKLER SYSTEM AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM IS PROVIDED. (SECTION 1005.3.1.1)
OTHER EGRESS COMPONENTS: 15" PER OCCUPANT WHERE AUTOMATIC SPRINKLER SYSTEM AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM IS PROVIDED (SECTION 1005.3.2)

- REQUIRED NUMBER OF EXITS OR EXIT ACCESS PER STORY (TABLE 1006.3.1)

OCCUPANT LOAD 1:500: TWO EXITS OR EXIT ACCESS
OCCUPANT LOAD 501-1,000: THREE EXITS OR EXIT ACCESS
OCCUPANT LOAD > 1000: FOUR EXITS OR EXIT ACCESS

- EXIT ACCESS DOORWAY CONFIGURATION (SECTION 1007.1.1, EXCEPTION #2)

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED

EXIT SYMBOL CODES

Diagram illustrating the relationship between Classroom and Exit symbols and their associated data fields:

- CLASSROOM** (900, 20, 45) is linked to:
 - OCCUPANCY
 - OCCUPANT LOAD
 - OCCUPANT LOAD FACTOR AREA
- EXIT** (40, 360) is linked to:
 - # OCCUPANTS USING COMPONENT
 - EXIT / EXIT ACCESS STAIR
 - COMPONENT CAPACITY

A thick arrow points from the Exit symbol to the Occupant Load of the Classroom symbol.

 1 HOUR FIRE RATED SEPARATION
 2 HOUR FIRE RATED SEPARATION

- ALL EXISTING EXITS TO REMAIN, NO EGRESS WIDTHS ARE REDUCED THROUGH THIS ALTERATION.
- EXISTING OCCUPANCY IS UNCHANGED THROUGH THIS ALTERATION
- EXISTING EXIT ACCESS ROUTES ARE UNCHANGED THROUGH THIS ALTERATION
- FULL BUILDING EXIT ANALYSIS SHOWN PER IBC IS COMPLETED TO QUANTIFY EGRESS NEEDS AT THE NEW VESTIBULE, UPDATES ARE NOT REQUIRED PER IBC 905.



SCALE: 1" = 20'-0"



SCALE: 1" = 20'-0"



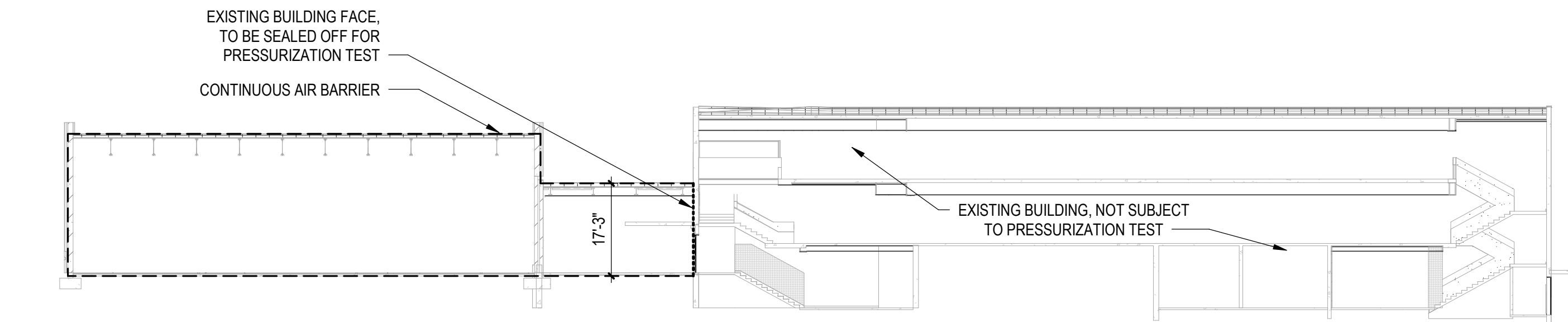
SCALE: 1" = 20'-0"

**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 PENNYTON ST. MTI SC, WA 98046

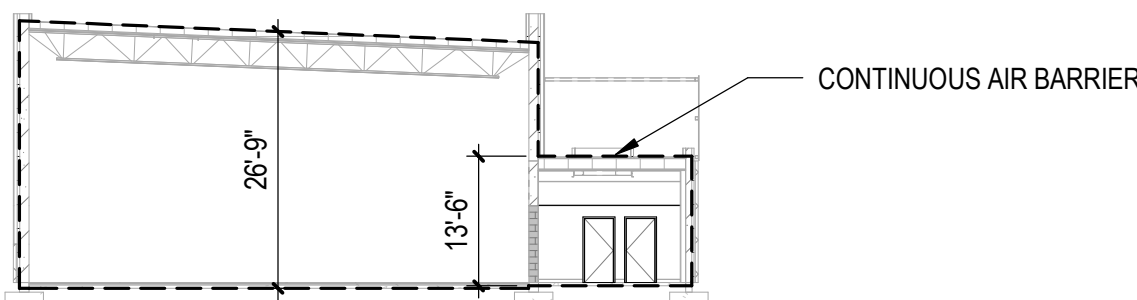
Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	MT	
Checked by:	MT	
Revisions		
#	Date	Description

CODE ANALYSIS
- LIFE SAFETY
PLAN

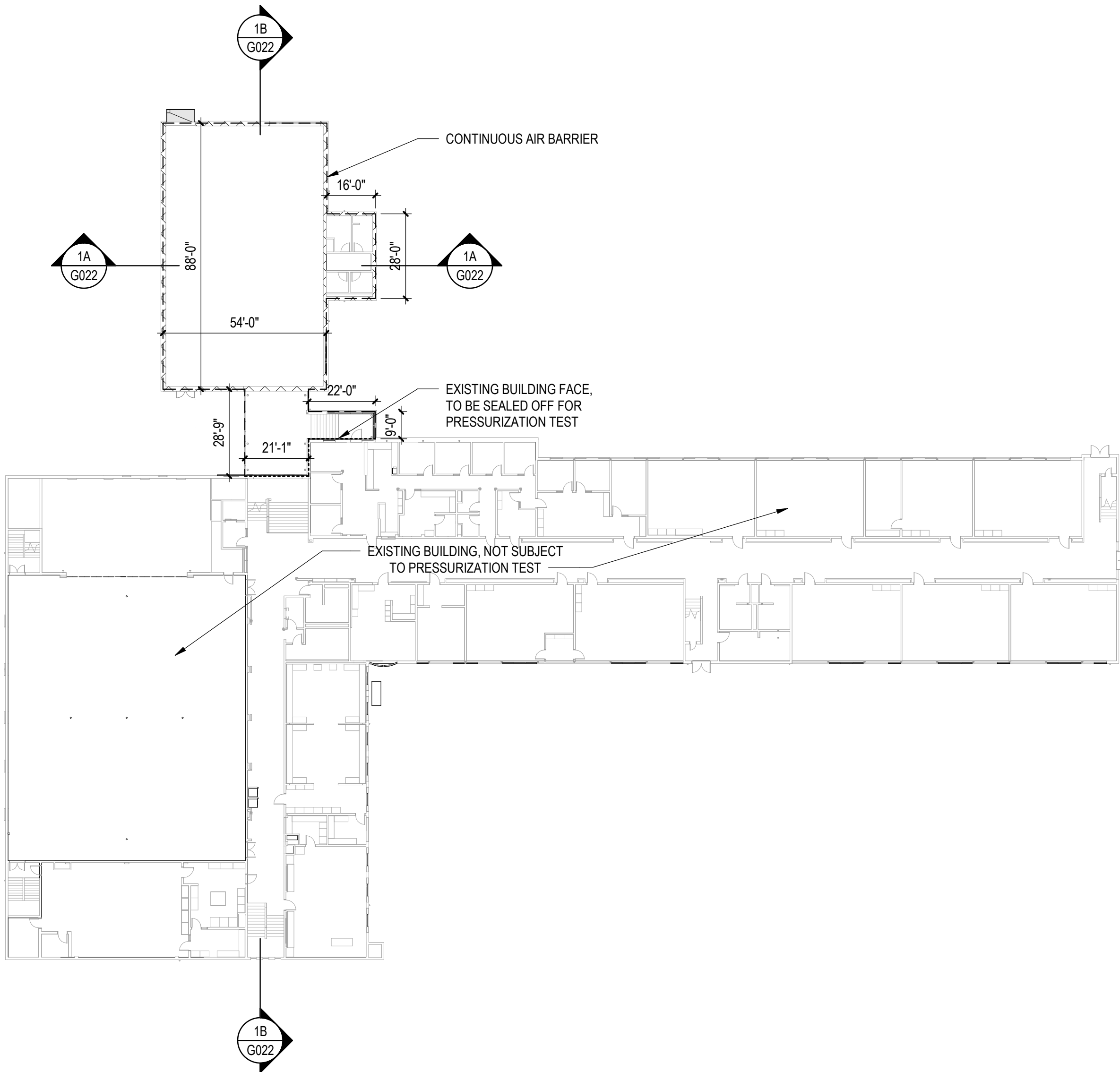
G021



1B AIR BARRIER SECTION N/S
SCALE: 1" = 20'-0"



1A AIR BARRIER SECTION E/W
SCALE: 1" = 20'-0"



1 AIR BARRIER FLOOR PLAN
SCALE: 1" = 30'-0"

EXISTING BUILDING ENERGY CODE COMPLIANCE
PER 2018 WSEC CHAPTER 5

GENERAL (C501)

THE PROVISIONS OF THIS CHAPTER SHALL CONTROL THE ALTERATION, REPAIR, ADDITION AND CHANGE OF OCCUPANCY OF EXISTING BUILDINGS AND STRUCTURES.

ADDITIONS - AUX GYM AND VESTIBULE (C502)

SHALL COMPLY WITH SECTION C402, C403, C404, C405, C406, C409.5, C410 AND C502.2

BUILDING ENVELOPE REQUIREMENTS (C402)

OPAQUE THERMAL ELEMENT REQUIREMENTS (C402.1.3)

	ROOF INSULATION	MASS WALL	SOG FLOOR
MIN. R-VALUE:	R-38CI	R-9.5CI	R-10 FOR 24"
PROPOSED:	R-38CI	R-13CI*	R-10 PER 402.2.6

*INCREASED INSULATION TO ACHIEVE C406.10

PRESCRIPTIVE COMPLIANCE (C502.2), COMPONENT APPROACH UTILIZED IN WSEC FORMS PER VERTICAL FENESTRATION (C402.2.1)

BUILDING FACADE AREA (EXISTING AND ADDITION):	45,399sf
BUILDING FENESTRATION (EXISTING AND ADDITION):	4,813sf
FENESTRATION %:	10.6%
PROPOSED FENESTRATION < 30%, FENESTRATION CONFORMS TO C402.4	

FENESTRATION PERFORMANCE PER TABLE C402.4

	WINDOWS	DOORS
MAX U-FACTOR:	0.38	.6
PROPOSED:	0.38	.6
	SEW	N
MAX SHGC:	.38	.51
PROPOSED:	.35	.35

SINGLE STORY SPACES REQUIRING SKYLIGHTS(C402.2.4.2)

AUX GYM FLOOR AREA - SIDELIT DAYLIGHT ZONE: 4,484-2,082 = 2,402 < 2,500
- SKYLIGHTS NOT REQUIRED PER 402.4.2 EX1.5

AIR BARRIER AND BUILDING TEST (C402.5.1.1 & 2)

A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE BUILDING THERMAL ENVELOPE. THE COMPLETED BUILDING SHALL BE TESTED AND THE AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.17 PER C406.11.1
TEST AREA: (54'X88'X26'9")+(22'X16'X16'6")+(21'1'X28'9'X17'3")+(22'X9'X12")= 159,662 CF

MECHANICAL SYSTEMS COMPLY WITH C403, REFER TO MECHANICAL DRAWINGS

SERVICE WATER SYSTEMS COMPLY WITH C404, REFER TO MECHANICAL DRAWINGS

LIGHTING SYSTEMS COMPLY WITH C405, REFER TO ELECTRICAL DRAWINGS

EFFICIENCY PACKAGES – E OCCUPANCY (C406)

MIN POINTS:	6
PROVIDED:	6 (REDUCED LIGHTING (2), ENHANCED ENVELOPE (3), REDUCED AIR INFILTRATION (1))

ENERGY METERING IS PROVIDED, REFER TO ELECTRICAL DRAWINGS (409.5)

ALTERATIONS - EXISTING BUILDING (C503)

ALTERATIONS TO AN EXISTING BUILDING, BUILDING SYSTEM OR PORTION THEREOF SHALL CONFORM TO THE PROVISIONS OF THIS CODE AS THEY RELATE TO NEW CONSTRUCTION WITHOUT REQUIRING THE UNALTERED PORTIONS OF THE EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THIS CODE. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE IS NO LESS CONFORMING TO THE PROVISIONS OF THIS CODE THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ALTERATION (C503.1)

NEW BUILDING ENVELOPE ASSEMBLIES THAT ARE PART OF THE ALTERATION SHALL COMPLY WITH SECTIONS C402.1 THROUGH C402.5 AS APPLICABLE. AIR LEAKAGE TESTING IS NOT REQUIRED FOR ALTERATIONS TO THE EXISTING BUILDING. (C503.3)
ROOF REPLACEMENT COMPLIES WITH C402.1.3 (C503.3.1)

	ROOF INSULATION	MASS WALL	SOG FLOOR
MIN. R-VALUE:	R-38CI	R-9.5CI	R-10 FOR 24"
PROPOSED:	R-51CI*	R-10	R-10 PER 402.2.6

*PER TABLE A106.2.2.6(1) FOOTNOTE D.

THE ADDITION OF VERTICAL FENESTRATION THAT RESULTS IN A TOTAL BUILDING VERTICAL FENESTRATION AREA LESS THAN OR EQUAL TO THAT SPECIFIED IN SECTION C402.4.1 AND SHALL COMPLY WITH SECTION C402.4. (C503.3.2)

FENESTRATION PERFORMANCE PER TABLE C402.4

	WINDOWS	DOORS
MAX U-FACTOR:	0.38	.6
PROPOSED:	.38	.6
	SEW	N
MAX SHGC:	.38	.51
PROPOSED:	.35	.35

DRAWING: S:\CADD-SURVEY\0421 KSELSO SCHOOL DIST\0610 TOPOGRAPHIC SURVEY\DWG, LAYOUT TAB: TOPO 1, PLOT DATE: 2/28/2020 2:14:55 PM, DRAWING SAVE DATE: 2/28/2020 2:09:25 PM, PLOTTED BY: DBERGMAN
PROFILE: GIBBS & OLSON STANDARD - C3D IMPERIAL 2020, PLOT DEVICE: GIBBS & OLSON - PLANSHEET, D SIZE (34.00 X 22.00 INCHES)

PURPOSE:

THE PURPOSE OF THIS TOPOGRAPHIC SURVEY
IS FOR CIVIL ENGINEERING AND ARCHITECTURAL DESIGN
THIS IS NOT A BOUNDARY SURVEY

DRAWING SETTINGS:

UNITS TO SCALE INSERTED CONTENT: US SURVEY FOOT
NAD83 WASHINGTON STATE PLANES, SOUTH ZONE, US FOOT

MODEL SPACE ANNOTATION SCALE 1"=20 US FEET
PAPER SPACE SCALE 1"=30 US FEET

CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS
INTERVALS:
MINOR CONTOURS: 1 FOOT
MAJOR CONTOURS: 5 FEET

NOTE:

WORK PERFORMED USING A 2 SECOND TOPCON GT-502
ROBOTIC TOTAL STATION, TOPCON GR-5 GPS-RTK EQUIPMENT,
PRECISION EXCEEDS REQUIREMENTS OF W.A.C. 332-130-090

GIBBS & OLSON, INC., MAKES NO WARRANTIES AS TO
MATTERS OF UNWRITTEN TITLE, SUCH AS ACQUIESCENCE,
ESTOPPEL, ADVERSE POSSESSION, ETC.

UTILITY COMPANY CONTACTS:

DISTRICT	COMPANY	MARKING CONCERNS	SERVICE
CMCST04	COMCAST CABLE COMM. MNGMT, LLC	800-788-9140	800-834-6499
CNG37	CASCADE NAT GAS-LNGVW	360-423-1598	888-522-1130
COWPUD03	COWLITZ COUNTY PUD	360-501-9546	360-501-9546
KELSO001	CITY OF KELSO	360-423-5730	360-423-0900
QLNWA16	CTLQL-CENTURYLINK	800-788-9140	800-283-4237

UTILITY NOTES:

WASHINGTON UTILITY NOTIFICATION CENTER WAS CONTACTED NOVEMBER 22, 2019 (TICKET #19511328).
THE SITE WAS LAST VISITED 02-18-2020 TO FIELD TIE LOCATE MARKINGS.
UTILITY LOCATIONS WERE GATHERED BY MEASUREMENTS TO SURFACE MARKS
AND LOCATION PAINT PROVIDED BY THE UTILITIES IN THE FIELD.

WARNING:

WASHINGTON UTILITY NOTIFICATION CENTER MUST BE NOTIFIED AT 800-424-5555 OR 811 PRIOR TO ANY
CONSTRUCTION OR UNDERGROUND UTILITY LOCATION.

SURVEYOR MAKES NO GUARANTEE OF THE UNDERGROUND UTILITIES SHOWN IN THE AREA. THE SURVEYOR
FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION
INDICATED; UTILITY LOCATIONS ARE GATHERED BY MEASUREMENTS TO SURFACE MARKS
AND LOCATION PAINT PROVIDED BY THE UTILITIES IN THE FIELD.

SURVEY REFERENCES:

- TOWN OF KELSO, VOL. 3 OF PLATS, PAGE 12, NOVEMBER 3, 1888
- NORTHERN ADDITION TO KELSO, VOL. 3 OF PLATS, PAGE 103, APRIL 17, 1907
- BIXBY'S ADDITION TO KELSO, VOL. 3 OF PLATS, PAGE 113, AUGUST 8, 1907
- ROSS' REPLAT, VOL. 4 OF PLATS, PAGE 5, APRIL 30, 1923
- MANNA-CRUMB SUBDIVISION, VOLUME 4 OF PLATS, PAGE 24, AUGUST 22, 1923
- UN-RECORDED MAP OF HILDALE ADDITION TO KELSO, FILES OF COWLITZ COUNTY PUBLIC WORKS
- PLAT OF HILDALE ADDITION TO THE CITY OF KELSO, VOL. 4 OF PLATS, PAGE 37, FEBRUARY 4, 1924
- MILLERS SUBDIVISION, VOLUME 4 OF PLATS, PAGE 38, FEBRUARY 6, 1924
- PLAT OF MASON'S SUBDIVISION, VOL. 7 OF PLATS, PAGE 77, JUNE 8, 1937
- WASHINGTON STATE HIGHWAY COMMISSION, SR431 COWLITZ RIVER BRIDGE TO JCT. P.S.H. NO.1, SHEETS 1-3 OF 5, MARCH 25, 1955
- WASHINGTON STATE HIGHWAY COMMISSION, SR5 LONGVIEW WYE TO ROCKY POINT, SHEETS 9-10 OF 12, AUGUST 11, 1972
- ROS, VOL. 28 OF SURVEYS, PAGE 183, AFN 3335457, MAY 22, 2007
- ROS, VOL. 29 OF SURVEYS, PAGE 11, AFN 3344426, AUGUST 16, 2007
- ROS, VOL. 35 OF SURVEYS, PAGE 66, AFN 3540082, MARCH 7, 2016

VACATION ORDINANCES:

CITY OF KELSO ORDINANCE NO. 890, WASHINGTON STATE ARCHIVES, JULY 16, 1951
CITY OF KELSO ORDINANCE NO. 993, WASHINGTON STATE ARCHIVES, MAY 14, 1956
CITY OF KELSO ORDINANCE NO. 1098, WASHINGTON STATE ARCHIVES, APRIL 6, 1959
CITY OF KELSO ORDINANCE NO. 2528, AFN 780902, VOL. 818, PG 877, JANUARY 2, 1973
CITY OF KELSO ORDINANCE NO. 2529, WASHINGTON STATE ARCHIVES, JANUARY 15, 1973

MONUMENT NOTES:

- IN ACCORDANCE WITH THE PROVISIONS OF WASHINGTON ADMINISTRATIVE CODE (WAC) CHAPTER 332-120 AND THE REVISED CODE OF WASHINGTON (RCW) TITLE 58; ANY MONUMENT SHOWN ON THIS PLAN SET OR FOUND IN THE FIELD WHICH CANNOT BE PROTECTED AND WILL BE DESTROYED, SHALL BE REFERENCED BY A LICENSED SURVEYOR, AND AN APPLICATION FILED WITH THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES (DNR), PER WAC 322-120-050 PRIOR TO THE MONUMENT BEING DISTURBED OR DESTROYED.
- ANY MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED IN ACCORDANCE WITH WAC CHAPTER 332-120.
- NO PART OF THIS STATEMENT SHALL RELIEVE A CONTRACTOR OR THEIR SURVEYOR OF ANY OF THE PROVISIONS OF THE WAC OR RCW WITH REGARDS TO DUTIES AND RESPONSIBILITIES RELATED TO SURVEY MONUMENTATION AND ITS PRESERVATION OR REPLACEMENT.

LEGEND

- Found Corner Monuments as noted
- Found rebar & cap as noted
- Control Point
- Calculated point, not found or set
- Plat, bearing/distance
- Record of Survey
- Driveway/Approach
- Power Line
- Fire Hydrant (3-Port)
- Water Valve
- Water Meter
- Luminaries
- Storm Drain Catch Basin
- Storm Drain Manhole
- Sanitary Sewer Manhole
- Power, Field locate marks
- Water, Field locate Marks
- Gas, Field locate Marks
- Sanitary Sewer, Field locate Marks
- Telephone, Field locate Marks
- Cable, Field locate Marks
- Mailbox
- Survey Monument Number
- Utility Pole
- Guy Anchor
- Power Transformer
- Power Vault
- Sign
- Telephone Riser
- Telephone Vault
- Easement
- Fence, as noted
- Top of ground breaks
- Toe of ground breaks
- Coniferous Tree
- Deciduous Tree



BASIS OF BEARING: SOUTH 21°36'38" EAST
BETWEEN MONUMENTS NO. 61 AND NO.26,
WASHINGTON COORDINATE SYSTEM,
SOUTH ZONE 4602, NAD 83/2011 (GEOID 12B)
AND NAVD88 DERIVED FROM WASHINGTON
STATE REFERENCE NETWORK (WSRN) STATION: CROK3

MONUMENT #61
N: 309448.34'
E: 1031465.67'
EL: 42.87'
LAT: N046° 09' 23.3159"
LON: W122° 54' 12.1592"
SCALE FACTOR: 0.99994241
CONVERGENCE: -001° 44' 44.8919"

MONUMENT #26
N: 307371.7282'
E: 1032288.2950
EL: 110.509'
LAT: N046° 09' 03.0718"
LON: W122° 53' 59.5808"

UNLESS OTHERWISE NOTED, DISTANCES ARE GRID DISTANCES.
TO CALCULATE GROUND DISTANCE, DIVIDE GRID DISTANCE
BY THE SCALE FACTOR: 0.99994241

SURVEY CONTROL AND MONUMENTS:

- | | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------|
| #3 | SET MAG IN NO PARKING AREA 20' NORTHERLY OF HMS SIGN SURVEY CONTROL POINT
N=308625.82 E=1030923.54 ELEV=18.89 | #28 | FOUND 2-1/2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=306742.04 E=1032451.51 ELEV=73.99 |
| #4 | SET MAG NAIL IN ASPHALT @ EASTERLY EDGE KELSO AVE AT SOUTHERLY EDGE BRUSH SURVEY CONTROL POINT
N=309085.80 E=1031083.98 ELEV=22.92 | #29 | FOUND 2-1/4" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=306296.41 E=1032696.06 ELEV=39.53 |
| #5 | FOUND 5/8" REBAR AND CAP "HAMPSTUR CORP LS 37529" SURVEY PROPERTY CORNER
N=307906.21 E=1031498.25 ELEV=128.64 | #30 | FOUND 2-1/2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=306176.59 E=1032761.85 ELEV=31.26 |
| #6 | FOUND 1" INSIDE DIAMETER IRON PIPE 0.6' BELOW GRADE SURVEY PROPERTY CORNER
N=307800.93 E=1031367.68 ELEV=124.61 | #31 | FOUND 2-1/2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=305450.59 E=1033097.18 ELEV=14.77 |
| #7 | FOUND NAIL WITH PLASTIC TAG AT SURFACE SURVEY PROPERTY CORNER
N=307474.17 E=1031304.78 ELEV=120.09 | #32 | FOUND 1-1/4" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=305369.86 E=1033165.53 ELEV=16.40 |
| #8 | SET MAG NAIL IN SIDEWALK SEAM EASTERLY SIDE KELSO AVE @ SOUTHERLY BLEACHER LINE SURVEY CONTROL POINT
N=308173.16 E=1030902.70 ELEV=16.78 | #33 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=305350.77 E=1033193.31 ELEV=17.40 |
| #9 | SET MAG NAIL NORTHERLY EDGE KELSO DRIVE AT CANAAN ROAD SURVEY CONTROL POINT
N=309251.34 E=1031211.61 ELEV=28.86 | #34 | FOUND 2-1/4" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=305322.42 E=1033220.77 ELEV=18.28 |
| #10 | FOUND 5/8" REBAR AND CAP "HAMPSTUR CORP LS 37529" SURVEY PROPERTY CORNER
N=307970.35 E=1031325.40 ELEV=80.81 | #35 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=305259.32 E=1033261.12 ELEV=18.75 |
| #11 | SET HUB AND TACK SURVEY CONTROL POINT
N=308302.07 E=1031246.31 ELEV=19.00 | #51 | FOUND 40D SPIKE IN CONCRETE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=308771.32 E=1030876.00 ELEV=20.55 |
| #12 | SET HUB AND TACK SURVEY CONTROL POINT
N=308107.75 E=1030991.00 ELEV=18.88 | #52 | FOUND 2" BRASS CAP IN CONCRETE AT SURFACE SURVEY PROPERTY CORNER
N=308549.71 E=1030865.52 ELEV=19.60 |
| #13 | FOUND 5/8" REBAR AND CAP "HAMPSTUR CORP LS 37529" SURVEY PROPERTY CORNER
N=307834.20 E=1031210.50 ELEV=79.48 | #53 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=308275.43 E=1030852.54 ELEV=18.27 |
| #15 | SET MAG NAIL IN ASPHALT SURVEY CONTROL POINT
N=308577.07 E=1031193.86 ELEV=24.37 | #54 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=307869.27 E=1030655.27 ELEV=19.45 |
| #16 | SET MAG NAIL IN ASPHALT LOT SURVEY CONTROL POINT
N=308584.35 E=1031455.78 ELEV=37.01 | #55 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=307580.25 E=1030321.66 ELEV=20.42 |
| #17 | SET HUB AND TACK IN GRASS EAST OF ASPH SURVEY CONTROL POINT
N=308601.15 E=1031481.81 ELEV=39.20 | #59 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=309035.35 E=1031000.2 ELEV=22.08 |
| #18 | SET HUB AND TACK S'LY EDGE CANAAN RD SURVEY CONTROL POINT
N=309078.74 E=1031411.1 ELEV=49.04 | #60 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=309384.53 E=1031385.44 ELEV=38.02 |
| #25 | FOUND 2-1/4" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=307880.11 E=1032303.90 ELEV=152.48 | #61 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=309448.34 E=1031465.67 ELEV=42.87 |
| #26 | FOUND 2-1/2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=307371.73 E=1032288.29 ELEV=110.51 | #22059 | FOUND 3/4" IDIP 1' EXPOSED SURVEY PROPERTY CORNER
N=309158.62 E=1031382.42 ELEV=50.01 |
| #27 | FOUND 2" INSIDE DIAMETER IRON PIPE WITH CONCRETE AND WIRE IN MONUMENT CASE SURVEY PROPERTY CORNER
N=307173.01 E=1032315.74 ELEV=97.62 | | |

TOPOGRAPHIC SURVEY

NOTES AND CONTROL

KELSO SCHOOL DISTRICT

HUNTINGTON MIDDLE SCHOOL

KELSO, WASHINGTON

Datum: NAD83(2011)

Survey Book: 1848

Project Milestone:

Date:
FEB 2020


GIBBS & OLSON
www.gibbs-olson.com
Project Manager: RG

CAD by: DB

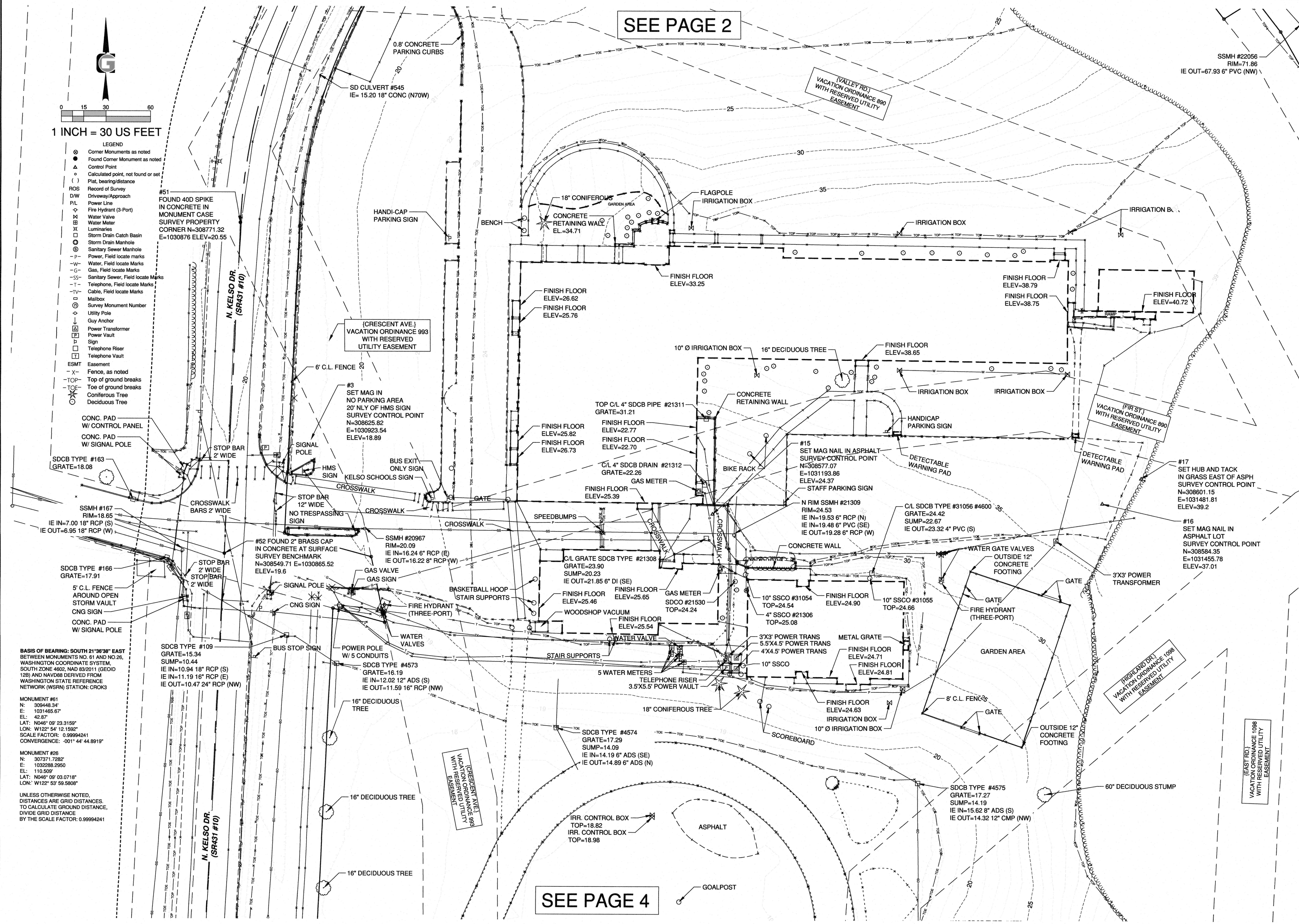
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0421.0610

Drawing Number:
TOPO 01

Sheet Number:
1 of 5

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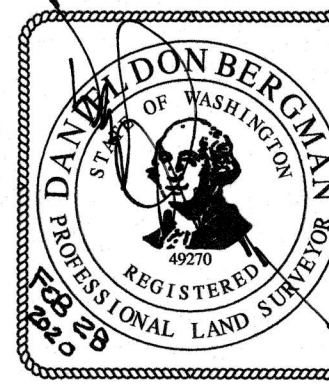
SEE PAGE 2

SEE PAGE 4

TOPOGRAPHIC SURVEY	BUILDINGS AND PARKING
KELSO SCHOOL DISTRICT	HUNTINGTON MIDDLE SCHOOL
	KELSO, WASHINGTON

Datum: NAD83(2011)
Survey Book: 1848
Project Milestone:

Date:
FEB 2020



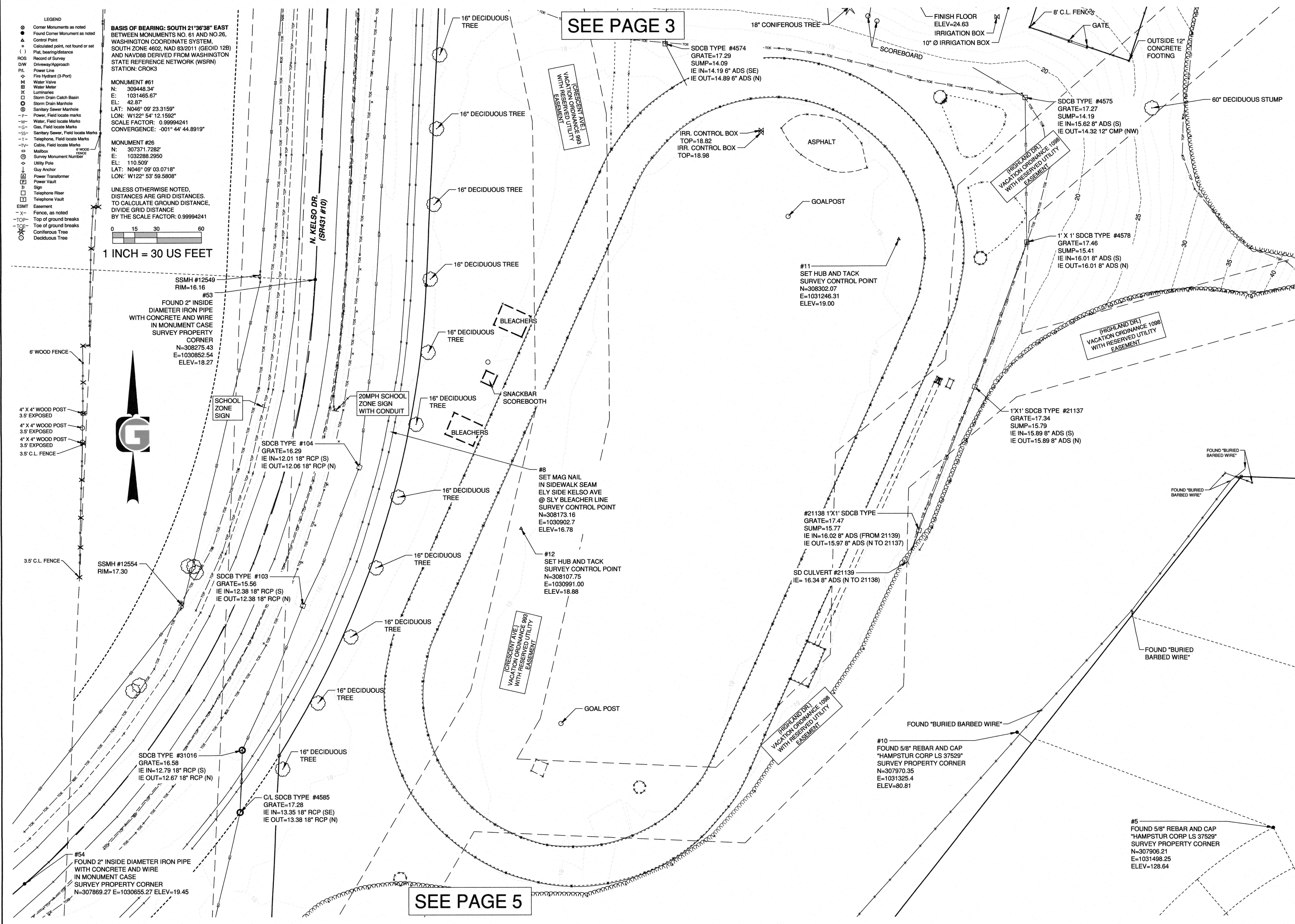
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Project Manager: RG

CAD by: DB
Checked by: TG

Project Number:
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Drawing Number:
TOPO 03

Sheet Number:
3 of 5



TRACK AND FIELD

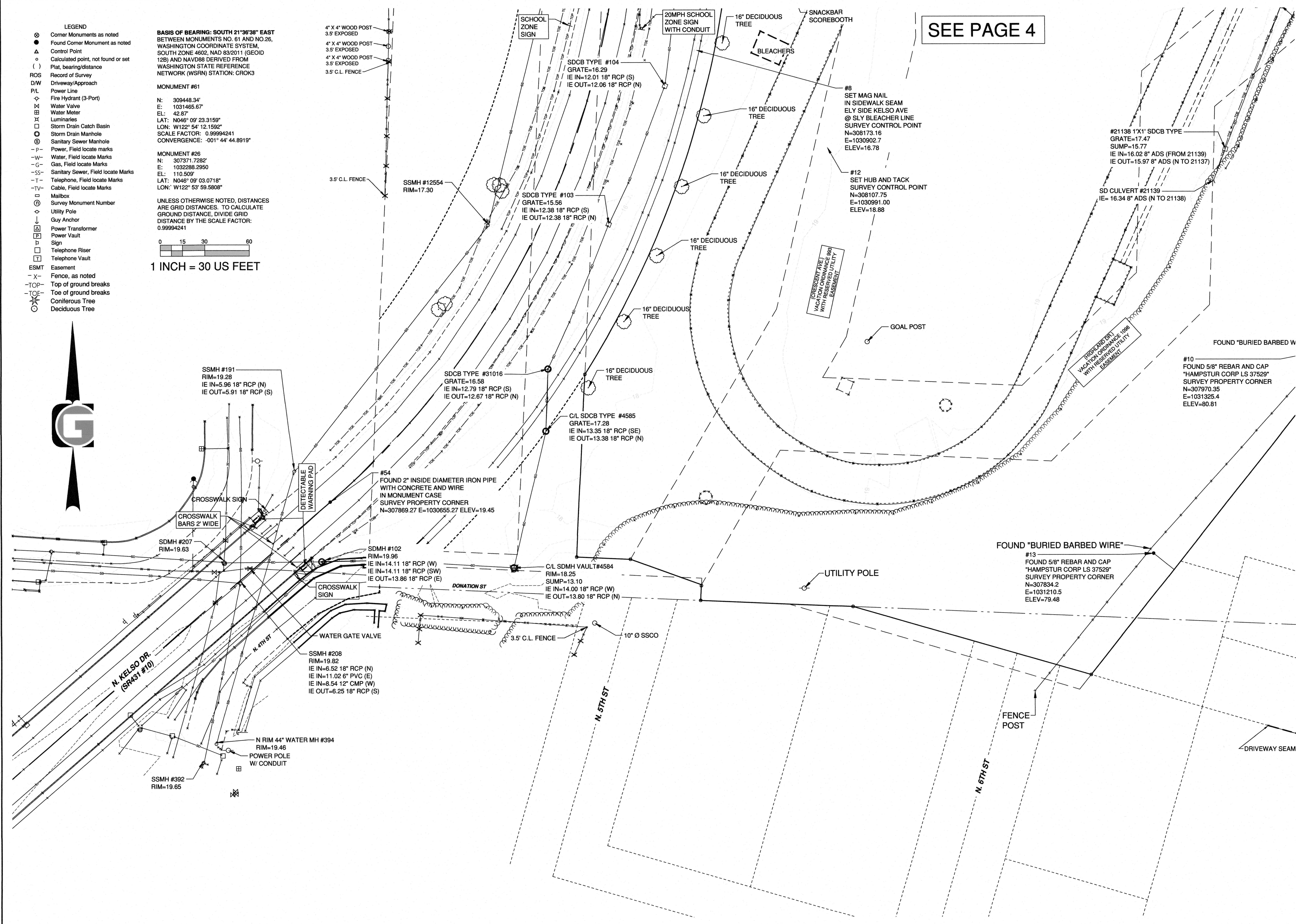
HUNTINGTON MIDDLE SCHOOL

KELSO, WASHINGTON

Project Milestone:

Sheet Number:
4 of **5**

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TOPOGRAPHIC SURVEY

SOUTHERN EXTENT

KELS0 SCHOOL DISTRICT

HUNTINGTON MIDDLE SCHOOL

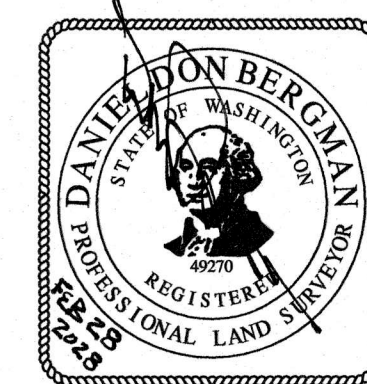
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Datum: NAD83(2011)

Survey Book: 1848

Project Milestone:

Date:
FEB 2020



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Project Manager: RG

CAD by: DB
Checked by: TG

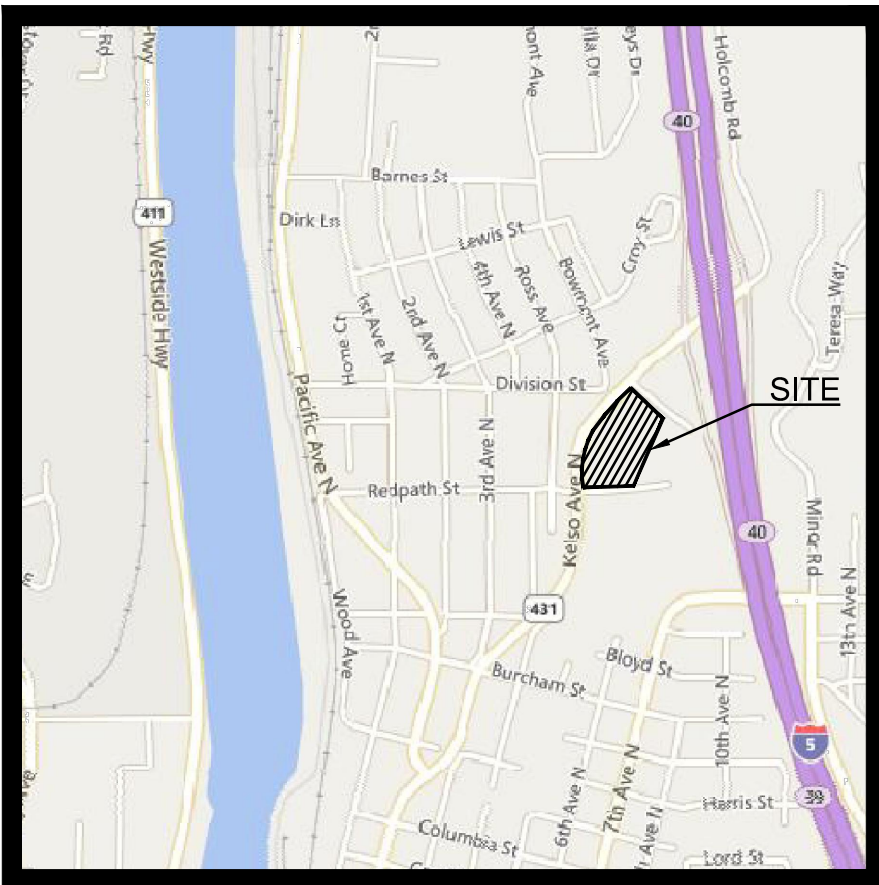
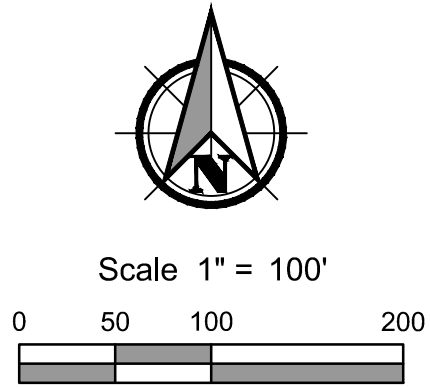
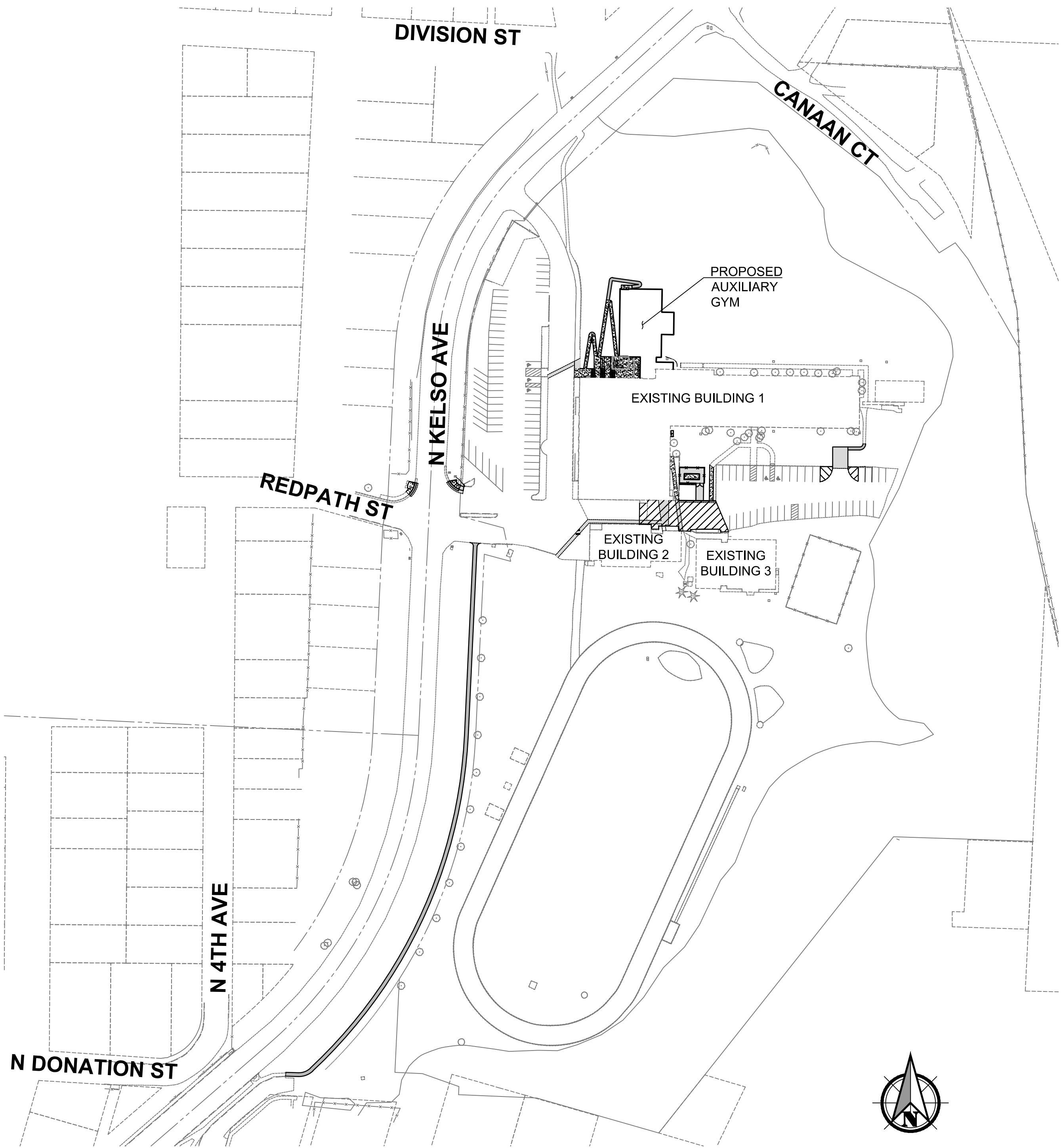
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Drawing Number:
TOPO 05

Sheet Number:
5 of 5

HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

LOCATED IN SECTION 26, TOWNSHIP 8 NORTH, RANGE 2 WEST, WILLAMETTE MERIDIAN
COWLITZ COUNTY, WASHINGTON



VICINITY MAP
NOT TO SCALE

Sheet List Table	
Sheet Description	Sheet ID.
C001	COVER SHEET
C002	GENERAL NOTES
C003	LEGEND
C101	EXISTING CONDITIONS AND DEMO PLAN
C102	EXISTING CONDITIONS AND DEMO PLAN FOR PATH
C201	EROSION CONTROL PLAN
C202	EROSION CONTROL PLAN FOR PATH
C203	EROSION CONTROL DETAILS
C301	SITE PLAN
C302	SITE PLAN
C402	AUXILIARY GYM GRADING DETAILS
C401	GRADING KEY MAP
C403	AUXILIARY GYM GRADING DETAILS
C404	CHILLER PAD GRADING DETAILS
C405	PARKING LOT GRADING DETAILS
C406	ADA GRADING DETAILS
C407	PEDESTRIAN TRAIL GRADING DETAILS
C501	UTILITY PLAN
C601	MISCELLANEOUS DETAILS
C602	MISCELLANEOUS DETAILS
C603	STANDARD STREET DETAILS
C604	STANDARD STREET DETAILS
C605	BEDDING AND TRENCHING STANDARD DETAILS
C606	STANDARD STORMWATER DETAILS
C607	CITY OF KELSO WATER NOTES AND CHLORINIZATION PROCESS
C608	CITY OF KELSO WATER SPECS
C609	CITY OF KELSO STANDARD WATER DETAILS

CONTACT INFO:

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Matt Taylor, AIA
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Geotechnical Engineer:
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Tacoma, WA 98402
Seri Hamm; LC
(253) 383-3257

Mechanical Engineer:
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1111 Fawcett Ave, Suite 100
Tacoma, WA 98402
Nick Hultz; PM
(253) 383-3257

PROJECT ADDRESS:

500 Redpath Street
Kelso, WA 98626

BASIS OF BEARING:

BETWEEN MONUMENTS NO. 61 AND NO. 26, SOUTH ZONE 4602, NAD 83/2011
(GEOID 12B) AND NAVD88 DERIVED FORM WASHINGTON STATE
REFERENCE NETWORK (WSRN) STATION: CROK3

MONUMENT #61

N=309448.34'
E=1031465.67'
EL=42.87'
LAT=N046° 09' 23.3159"
LON=W122° 54' 12.1592"

MONUMENT #26

N=307371.7282'
E=1032288.2950'
EL=110.509'
LAT=N046° 09' 03.0718"
LON=W122° 53' 59.5808"

PROJECT NOTE:

CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE
COWLITZ COUNTY ENGINEERING STANDARDS FOR CONSTRUCTION

GENERAL REQUIREMENTS AND DETAILS:

ALL MATERIALS AND METHODS OF CONSTRUCTION AND INSTALLATION
FOR WATER, SEWER, STORM WATER FACILITIES, AND EROSION CONTROL
MEASURES, SHALL CONFORM TO CITY OF KELSO ENGINEERING SERVICES
"GENERAL REQUIREMENTS AND DETAILS FOR THE DESIGN AND
CONSTRUCTION OF WATER, SANITARY SEWER AND SURFACE WATER
SYSTEMS." CONSTRUCTION SHALL BE AS PER THE MOST CURRENT
STANDARD DETAIL.

"I HEREBY CERTIFY THAT THESE PLANS, AND RELATED DESIGN, WERE
PREPARED IN CONFORMANCE WITH THE CITY OF KELSO'S ENGINEERING
DESIGN MANUAL. I ACKNOWLEDGE THAT CITY APPROVAL OF THESE
DOCUMENTS DOES NOT TRANSFER LIABILITY."

B	BID SET	05/28/2021	ANW	EAP
A	ENGINEERING PERMIT SET	04/16/2021	PVR	EAP
No.	Revision	Date	By	App'd

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE LATEST EDITION OF THE KELSO ENGINEERING DESIGN MANUAL.
2. THE CONTRACTOR SHALL HAVE A COPY OF THESE PLANS, PROJECT SPECIFICATIONS, ADDENDA, CHANGE ORDERS, AND SWPPP ON THE JOB AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN AND UPDATE A FULL SIZE SET OF AS-BUILTS AND THE SWPPP.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS AND/OR RIGHT OF ENTRIES PRIOR TO CONSTRUCTION WORK.
4. EXISTING UTILITIES SHOWN ON THE PLANS ARE PER SURFACE LOCATING AND AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION BY CALLING UNDERGROUND LOCATE LINE AT 811 A MINIMUM OF TWO FULL WORKING DAYS PRIOR TO BEGINING ANY EXCAVATION. IF CONFLICT EXISTS, NOTIFY UTILITY COMPANY AND ENGINEER. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
5. IF EXISTING CURB AND SIDEWALK DEDICATED TO REMAIN ARE DAMAGED, THE CURB AND/OR SIDEWALK SHALL BE REMOVED AND REPLACED TO THE ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE.
6. ALL STREET SIGNS AND STRIPING SHALL BE INSTALLED PER THE CURRENT MUTCD.
7. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH OTHER UTILITIES AS NEEDED FOR THE DURATION OF THE PROJECT.
8. IN ACCORDANCE WITH THE PROVISIONS OF WASHINGTON ADMINISTRATIVE CODE (WAC) CHAPTER 332-120 AND THE REVISED CODE OF WASHINGTON (RCW) TITLE 58; ANY MONUMENT SHOWN ON THIS PLAN SET OR FOUND IN THE FIELD WHICH CANNOT BE PROTECTED AND WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION, SHALL BE REFERENCED BY A LICENSED SURVEYOR, AND AN APPLICATION FILED WITH THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES (DNR), PER WAC 332-120-050 PRIOR TO THE MONUMENT BEING DISTURBED OR DESTROYED. THE CONTRACTOR SHALL NOTIFY THE CITY AND A COPY OF EACH DNR APPLICATION SUBMITTED SHALL BE PROVIDED TO THE CITY ENGINEER. WHEN CONSTRUCTION WORK IS COMPLETE, THE CONTRACTOR'S CONSTRUCTION SURVEYOR SHALL VERIFY THE MONUMENTS SHOWN ON THIS PLAN SET ARE STILL IN PLACE AND SUBMIT A STAMPED AND SIGNED REPORT TO THE CITY DOCUMENTING THEIR CONDITION. ANY MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY THE CONTRACTOR'S SURVEYOR IN ACCORDANCE WITH WAC CHAPTER 332-120. NO PART OF THIS STATEMENT SHALL RELIEVE THE CONTRACTOR OR THEIR SURVEYOR OF ANY OTHER PROVISIONS OF THE WAC OR RCW WITH REGARDS TO DUTIES AND RESPONSIBILITIES RELATED TO SURVEY MONUMENTATION AND ITS PRESERVATION OR REPLACEMENT.

EROSION CONTROL NOTES

1. ALL EROSION CONTROL DEVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND EROSION CONTROL DETAILS AND IN PLACE PRIOR TO START OF ANY LAND DISTURBING ACTIVITY.
2. ALL EROSION PREVENTION AND CONTROL BMPS SHALL BE INSPECTED, MAINTAINED AND REPAIRED AS NEEDED THROUGHOUT CONSTRUCTION TO INSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
3. PERFORM ALL ACTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENT, INCLUDING DUST, FROM LEAVING THE CONSTRUCTION SITE.
4. AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, MORE EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATERS DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR SURFACE WATERS.
5. SITES THAT ARE REQUIRED TO HAVE A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD SHALL KEEP A CURRENT INSPECTION LOG ONSITE THAT SHALL BE AVAILABLE FOR CITY REVIEW.
6. THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED STORMWATER POLLUTION AND PROTECTION PERMIT (SWPPP) ON SITE AT ALL TIMES.

SITE GRADING

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT PREPARED BY PBS ENGINEERING, DATED 7/7/2020 SPECIFICALLY FOR THIS SITE.
2. THE ENTIRE SITE IS TO BE MOWED AND STRIPPED TO REMOVE ALL GRASS, ROOTS, ORGANIC SOIL, AND CONSTRUCTION FILL DEBRIS PRIOR TO THE BEGINNING OF ANY GRADING OPERATIONS. THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ENOUGH SELECT TOP SOIL TO ACCOMMODATE LANDSCAPING NEEDS.
3. FOLLOWING STRIPPING AND GRUBBING, THE EXPOSED SOILS SHALL BE PROOF ROLLED TO REVEAL WEAK, ORGANIC, OR OTHER UNSUITABLE SOILS. UNSUITABLE SOILS SHALL BE EXCAVATED TO FIRM GROUND AND FILLED TO GRADE WITH SUITABLE NATIVE OR STRUCTURAL FILL.
4. EXPOSED SUBGRADE SOILS ON AREAS TO RECEIVE STRUCTURAL FILL SHOULD BE

SCARIFIED TO A DEPTH OF 8 INCHES.

5. FILL AREAS SHALL BE STRUCTURALLY FILLED WITH SURPLUS SUITABLE MATERIALS FROM CUT AREAS OR IMPORTED STRUCTURAL FILL. SELECT MATERIALS SHALL BE PLACED IN FILL AREAS IN LIFTS NOT TO EXCEED 8". EACH LIFT SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY. FILL MATERIALS SHOULD BE FREE OF ORGANICS, AND ROCK FRAGMENTS IN EXCESS OF 6" IN DIMENSION.
6. COMPACTION TESTING SHALL BE DONE IN ACCORDANCE WITH THE AASHTO T-99.
7. AT THE END OF THE GRADING OPERATION, THE STOCKPILED STRIPPINGS SHALL BE DISTRIBUTED ON THE LANDSCAPE AREAS IN A COMPACTED DEPTH NOT TO EXCEED 8".
8. ALL DELETERIOUS MATERIALS GENERATED DURING SITE GRADING AND STRIPPINGS NOT UTILIZED IN THE FINAL GROUND COVER OPERATION SHALL BE HAULED FROM THE SITE TO A CONTRACTOR PROVIDED WASTE SITE.
9. ANY EXCESS MATERIAL, NOT REQUIRED TO COMPLETE THE GRADES SHOWN ON THE PLANS SHALL BE HAULED FROM THE SITE TO A CONTRACTOR PROVIDED WASTE SITE.
10. ALL SURFACES SHALL BE GRADED SMOOTH AND FREE OF IRREGULARITIES THAT MIGHT ACCUMULATE SURFACE WATER.
11. ALL GRADING OPERATIONS AND DISTURBED SURFACE STABILIZATION SHALL BE IN ACCORDANCE WITH THE PROJECT'S EROSION CONTROL PLAN SHEETS.

STORM SEWER

1. ROOF DRAIN PIPE MATERIALS SHALL BE ASTM-D-3034 PVC PIPE OR APPROVED EQUAL. THE ROOF DRAIN PLUMBING LAYOUT IS SCHEMATIC AND MAY BE VARIED WITHIN THE UNIFORM PLUMBING CODE GUIDELINES. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND ELEVATION OF THE ROOF DRAINS WITH THE PLUMBING PLANS.
2. TRACER WIRE SHALL BE INSTALLED IN THE SAME ORIENTATION TO THE INSTALLED NON-CONDUCTIVE PIPE IN ONE CONTINUOUS STAND. INSTALL A WARNING TAPE 12 TO 18 INCHES ABOVE THE INSTALLED PIPE. CONTINUITY OF TRACER WIRE IS REQUIRED.
3. INSTALLED PIPE SHALL BE CLEANED BY USE OF HIGH PRESSURE NOZZLE AND VACUUM TRUCK PRIOR TO VIDEOING OR TESTING.
4. VIDEO INSPECTION SHALL BE PERFORMED ON THE INSTALLED PIPE. VIDEO INSPECTION SHALL DEMONSTRATE NO DEFORMATION, MANUFACTURING OR INSTALLATION DEFECTS, OR ANY DEBRIS IN THE LINES, FOR APPROVAL AND ACCEPTANCE BY THE CITY.
5. ALTERNATE PIPE MATERIALS, WHERE REQUIRED FOR STRENGTH OR NOTED ON PLANS, CLASS 52 DUCTILE IRON PIPE SHALL BE USED.
6. PRESSURE TESTING IN ALL STORM MAIN LINES IS REQUIRED.

DEWATERING

1. PER THE GEOTECHNICAL ENGINEER, STATIC GROUNDWATER MAY BE PRESENT AT DEPTHS OF APPROXIMATELY 7-10 FEET BELOW THE EXISTING GROUND SURFACE. THE GROUNDWATER LEVELS CAN FLUCTUATE DURING THE YEAR DEPENDING ON CLIMATE, IRRIGATION SEASONS, EXTENDED PERIODS OF PRECIPITATION, DROUGHT, AND OTHER FACTORS.
2. DEWATERING MAY BE REQUIRED TO TEMPORARILY REDUCE THE GROUNDWATER ELEVATION TO ALLOW SITE CONSTRUCTION INCLUDING PROPOSED BELOW-GRADE STRUCTURES AND INSTALLATION OF UTILITIES.
3. OVER EXCAVATION AND STABILIZATION OF PIPE TRENCHES OR OTHER EXCAVATIONS WITH IMPORTED CRUSHED AGGREGATE OR GABION ROCK MAY ALSO BE NECESSARY TO PROVIDE ADEQUATE SUBGRADE SUPPORT.
4. DEWATERING MAY BE MORE FEASIBLY CONDUCTED BY INSTALLING A SYSTEM OF TEMPORARY WELL POINTS AND PUMPS AROUND PROPOSED EXCAVATION AREA OR UTILITY TRENCHES. WELL PUMPS SHOULD REMAIN FUNCTIONING AT ALL TIMES DURING THE EXCAVATION AND CONSTRUCTION PERIOD. SUITABLE BACK-UP PUMPS AND POWER SUPPLIES SHOULD BE AVAILABLE TO PREVENT UNANTICIPATED SHUT-DOWN OR DEWATERING EQUIPMENT.
5. CONTRACTOR TO BE FAMILIAR WITH AND FOLLOWING THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY PBS ENGINEERING AND ENVIRONMENTAL (GEOTECHNICAL ENGINEERING REPORT, DATED JULY 7, 2020)

SANITARY

1. ALL SANITARY SEWERS ARE TO BE D-3034 PVC WITH 12 GAUGE SOFT DRAWN (GREEN) TRACER WIRE AS INDICATED ON THE PLANS, AND SHALL BE TESTED, CLEANED, AND TV'D IN ACCORDANCE WITH THE CITY OF KELSO ENGINEERING DESIGN MANUAL.
2. ALL SANITARY SEWER LATERALS ARE TO BE A MINIMUM 6" PVC WITH A MINIMUM SLOPE OF 2%.

3. CLEANING BY USE OF HIGH PRESSURE NOZZLE & VAC TRUCK REQUIRED PRIOR TO TESTING OR TV'ing. TELEVISION INSPECTION OF ALL SANITARY SEWER LINES IS REQUIRED, INCLUDING 6" LATERALS. T.V. INSPECTION SHALL BE PERFORMED IN AN OPERATION & CHRONOLOGICAL ORDER AS DIRECTED BY THE INSPECTOR AFTER ALL TESTING & CORRECTIONS ARE COMPLETED. EACH REPORT AND TAE SHALL BE COMPLETE WITH NO PIECE MEAL OR SKIPPING AROUND THE SYSTEM WHEN THE FINAL REPORTS & MEDIA ARE SUBMITTED TO THE CITY FOR ACCEPTANCE. ALL T.V. WORK TO BE DONE IN PRESENCE OF CITY INSPECTOR.
4. PULLING MANDRELL IN ALL SANITARY SEWER MAIN LINES IS REQUIRED. VACUUM TESTING ALL NEW SANITARY SEWER MANHOLES IS REQUIRED. TRACER WIRE TEST TO PROVE CONTINUITY IS REQUIRED.
5. AS BUILT DRAWINGS & TV REPORTS SHALL BE SUBMITTED & APPROVED PRIOR TO ACCEPTANCE.
6. ALL BACKFILL SHALL BE 5/8" MINUS (CSTC) PER CITY OF KELSO STANDARD PLANS.
7. ALL PAVEMENT PATCHES SHALL BE 2" PLUS EXISTING IN DEPTH OR AS DIRECTED BY THE CITY INSPECTOR.
8. THE EXISTING SANITARY SEWER SYSTEM SHALL STAY ISOLATED FROM THE NEW SYSTEM VIA MECHANICAL PLUG UNTIL THE NEW SYSTEM IS CLEANED, TESTED, TV'D, & APPROVED FOR USE.

WATER

1. ALL WATER SYSTEM WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF CITY SPECIFICATIONS, AND THE LATEST EDITION OF WSDOT/APWA SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPLE CONSTRUCTION, AND THE WASHINGTON STATE DIVISION ADMINISTRATIVE RULES CHAPTER 333, IN THAT ORDER.
2. ALL WATER AND SANITARY SEWER LATERALS TO BE POTHOLED FOR PIPE SIDE, TYPE, AND DEPTH PRIOR TO CONSTRUCTION. SHOP DRAWINGS ARE REQUIRED AND SHALL BE APPROVED PRIOR TO ANY CONNECTIONS.
3. ALL PAVEMENT SHALL BE FULL DEPTH SAWCUT AND REPLACED PER THE LIMITS AS MARKED BY THE CITY INSPECTOR AFTER CONSTRUCTION.
4. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT PIPE INTERIORS, FITTINGS AND VALVES AGAINST CONTAMINATION. CONTRACTORS SHALL PROVIDE WRITTEN NOTIFICATION TO COSTUMERS AND CITY 48 HOURS IN ADVANCE OF ANY PLANNED SHUT DOWN. WRITTEN NOTIFICATION TO BE APPROVED BY CITY.
5. NO ONE OTHER THAN CITY OF KELSO WATER DEPARTMENT PERSONNEL TO OPERATE VALVES. ALL VALVES TO REMAIN ACCESSIBLE.
6. ALL WATERLINE PIPE SHALL HAVE MINIMUM COVER OF 36 INCHES OVER TOP OF PIPE.
7. TRACER WIRE - 12 GUAGE SOFT DRAWN (BLUE) TO BE USED.
8. ALL PIPE AND FITTINGS SHALL BE RESTRAINED JOINT. FITTINGS TO BE MEGA-LUG. PIPE TO AHVE FIELD LOCK GASKETS. ALL PIPE SHALL HAVE SECONDARY RESTRAINT WITH THRUST BLOCKS OR APPROVED EQUAL.
9. ALL BACKFILL SHALL BE 5/8" MINUS (CSTC) PER THE CITY OF KELSO STANDARD PLANS.
10. AS BUILT DRAWINGS SHALL BE SUBMITTED & APPROVED PRIOR TO ACCEPTANCE.
11. CONTRACTOR SHALL MAINTAIN A MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN ALL EXISTING AND PROPOSED WATER AND SEWER LINES.



KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date:	5.28.2021
Job No.:	21938.00
Drawn By:	PVR / ANW
Checked by:	EAP
Revisions	
#	Date Description

GENERAL NOTES

Existing Linetype Legend		Proposed/Future Linetype Legend	
Existing Sanitary Sewer Pipe		Proposed Sanitary Sewer Pipe	
Existing 4" Sanitary Sewer Pipe		Proposed Sanitary Lateral	
Existing 6" Sanitary Sewer Pipe		Proposed Storm Pipe	
Existing 8" Sanitary Sewer Pipe		Proposed Water Lateral	
Existing 10" Sanitary Sewer Pipe		Proposed Water Pipe	
Existing 12" Sanitary Sewer Pipe		Proposed Irrigation Pipe	
Existing 15" Sanitary Sewer Pipe		Proposed Irrigation Lateral	
Existing 18" Sanitary Sewer Pipe		Proposed Lot Line	
Existing 24" Sanitary Sewer Pipe		Proposed Centerline	
Existing 30" Sanitary Sewer Pipe		Proposed Right-of-way	
Existing Sanitary Force Main		Proposed Sawcut Line	
Existing Storm Sewer Pipe		Proposed Easement	
Existing 4" Storm Sewer Pipe		Proposed Curb & Gutter	
Existing 6" Storm Sewer Pipe		Proposed Edge Of Pav't	
Existing 8" Storm Sewer Pipe		Proposed Sidewalk	
Existing 10" Storm Sewer Pipe		Proposed Wall	
Existing 12" Storm Sewer Pipe		Proposed Building	
Existing 15" Storm Sewer Pipe		Proposed Setback	
Existing 18" Storm Sewer Pipe		Proposed Property Line	
Existing 24" Storm Sewer Pipe		Proposed Cut Line	
Existing Water Pipe		Proposed Score Line	
Existing 4" Water Pipe		Proposed Paint Stripe	
Existing 6" Water Pipe		Proposed Fence	
Existing 8" Water Pipe		Proposed Wetland Buffer	
Existing 10" Water Pipe		Proposed Wetland Perimeter	
Existing 12" Water Pipe		Proposed Contour	
Existing 15" Water Pipe		Erosion Control Filter Fabric Fence	
Existing 18" Water Pipe			
Existing 24" Water Pipe			
Existing Water Lateral			
Existing Irrigation Pipe			
Existing 4" Irrigation Pipe			
Existing 6" Irrigation Pipe			
Existing 8" Irrigation Pipe			
Existing 10" Irrigation Pipe			
Existing 12" Irrigation Pipe			
Existing Irrigation Lateral			
Existing Cable Tv Line			
Existing Electric Line			
Existing Gas Line			
Existing Over Head Power Line			
Existing Telephone Line			
Existing Fiber Optic Line			
Existing Underground Utility Line			
Existing Centerline			
Existing Curb			
Existing Lot Line			
Existing Gravel road			
Existing Paint Stripe			
Existing Right-of-way			
Existing Building			
Existing Wetland Perimeter			
Existing Wetland Buffer			
Existing Property Line			
Existing Utility Easement			
Existing Quarter Section			
Existing Railroad			
Existing Fence			
Existing Wall			
Existing Contour			

Symbol Legend	
Existing Water Valve	
Existing Gas Valve	
Existing Fire Hydrant	
Butterfly	
Existing Water Meter	
Existing Irrigation Box	
Existing Project Bench Mark	
Existing Light Fixture	
Existing Sanitary Manhole	
Existing Storm Manhole	
Existing Catch Basin	
Existing Area Drain	
Existing Power Vault	
Existing Power Transformer	
Existing Cleanout	
Existing Gas Meter	
Existing Sign	
Proposed Street Light	
Proposed Road Barrier	
Proposed Road Sign	
Proposed Flow Arrow	
Proposed Catch Basins	
Proposed Area Drain	
Proposed Combination Curb Inlet	
Proposed Storm Reducer	
Proposed Rain Drain	
Proposed Storm Cleanout	
Proposed Storm Manhole	
Proposed Sedimentation Manhole	
Proposed Drywell	
Proposed Sanitary Cap	
Proposed Sanitary Reducer	
Proposed Sanitary Cleanout	
Proposed Sanitary Manhole	
Proposed Fire Protection Vault	
Proposed Water Meter	
Proposed Water Backflow Device	
Proposed Water Valve	
Proposed Water Bend Tee W/valve	
Proposed Water Bend Tee W/tb	
Proposed Water 22 1/2" Bend W/tb	
Proposed Water 11 1/4" Bend W/tb	
Proposed Water 45" Bend W/tb	
Proposed Water 90" Bend W/tb	
Proposed Water Stand Pipe	
Proposed Water Bend X	
Proposed Water Temporary Blowoff	
Proposed Water Standard Blowoff	
Proposed Water Reducer	
Proposed Water Thrust Block	
Proposed Fire Hydrant	
Proposed Inlet Protection Pillow	
Proposed Gravel Construction Entrance	

Abbreviation Legend		Abbreviation Legend	
Acres	AC	High Water Elevation	HW
Assembly	ASS'Y	Hydrant	HYD
Avenue	AVE	Invert Elevation	IE
Approved	APP'D	Intersection	INTX
Butterfly	BF	Invert	INV
Boulevard	BLVD	Length	L
Benchmark	BM	Lateral	LAT
Blow Off	BO	Left	LT
Bottom of Stairs	BS	Maximum	MAX
Bottom of Wall	BW	Manhole	MH
Care Of	C/O	Minimum	MIN
Catch Basin	CB	Mechanical Joint	MJ
Cubic Feet	CF	Number	No. or #
Cast Iron	CI	Overhead Electric	OHE
Cement	CEM	Pavement	PAV'T
Circle	CIR	Place	PL
City of Kelso	COK	Point Of Curve	PC
Centerline	C	Power Pole	PP
Corrugated Metal Pipe	CMP	Point Of Reverse Curve	PRC
Cleanout	CO	Point Of Reverse Vertical Curve	PRVC
Combination	COMB	Point Of Tangent	PT
Compaction	COMP	Point Of Vertical Intersection	PVI
Concrete	CONC	Polyvinyl Chloride	PVC
Construction	CONST	Proposed	PROP
Corrugated Polyethylene	CPE	Radius	R
Concrete Sewer Pipe	CSP	Rain Drain	RD
Court	CT	Right Of Way	R/W
Cubic Yard	CY	Return	RET
Cement	CEM	Right	RT
Depth	D	Sheet	SHT
Ductile Iron	DI	Stainless Steel	SS
Diameter	DIA	Steel	STL
Ductile Iron Pipe	DIP	Sidewalk	S/W
Down Spout	DS	Street	ST
Edge Of Pavement	EOP	Station Centerline	STA
End Curb Return	ER	Standard	STD
Easement	ESMT	Sanitary	SAN
Existing	EXTG	Storm	STM
Elevation	EL	Tangent	T
Electric	ELEC	Thrust Block	TB
End Vertical Curb	EVC	Temporary Benchmark	TBM
Finished Floor	FF	Top Of Curb	TC
Finished Grade	FG	Top Of Stairs	TS
Fire Hydrant	FH	Telephone	TEL
Flange	FLG	Temporary	TEMP
Force Main	FM	Top Of Manhole	TOP
Foot / Feet	FT	Typical	TYP
Gas	G	Top of Wall	TW
Galvanized Iron	GI	Underground Electric	UGE
Ground	GRD	Vertical Curve	VC
Gate Valve	GV	Vertical	VERT
High Density Polyethylene	HDPE	State of Washington Department of Transportation	WSDOT
Horizontal	HORIZ	Water	WTR
		With	W/
		Without	W/O
		Water Meter	WM
		Yard	YD

Hatching Legend	
	Proposed Vehicle Asphalt
	Proposed Pedestrian Asphalt
	Proposed Cement Concrete
	Proposed Truncated Dome
	Proposed Landscaping
	Proposed Plaza Concrete

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

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LEGEND

PRELIMINARY
SUBJECT TO AGENCY REVIEW
NOT FOR CONSTRUCTION
BID SET

C003

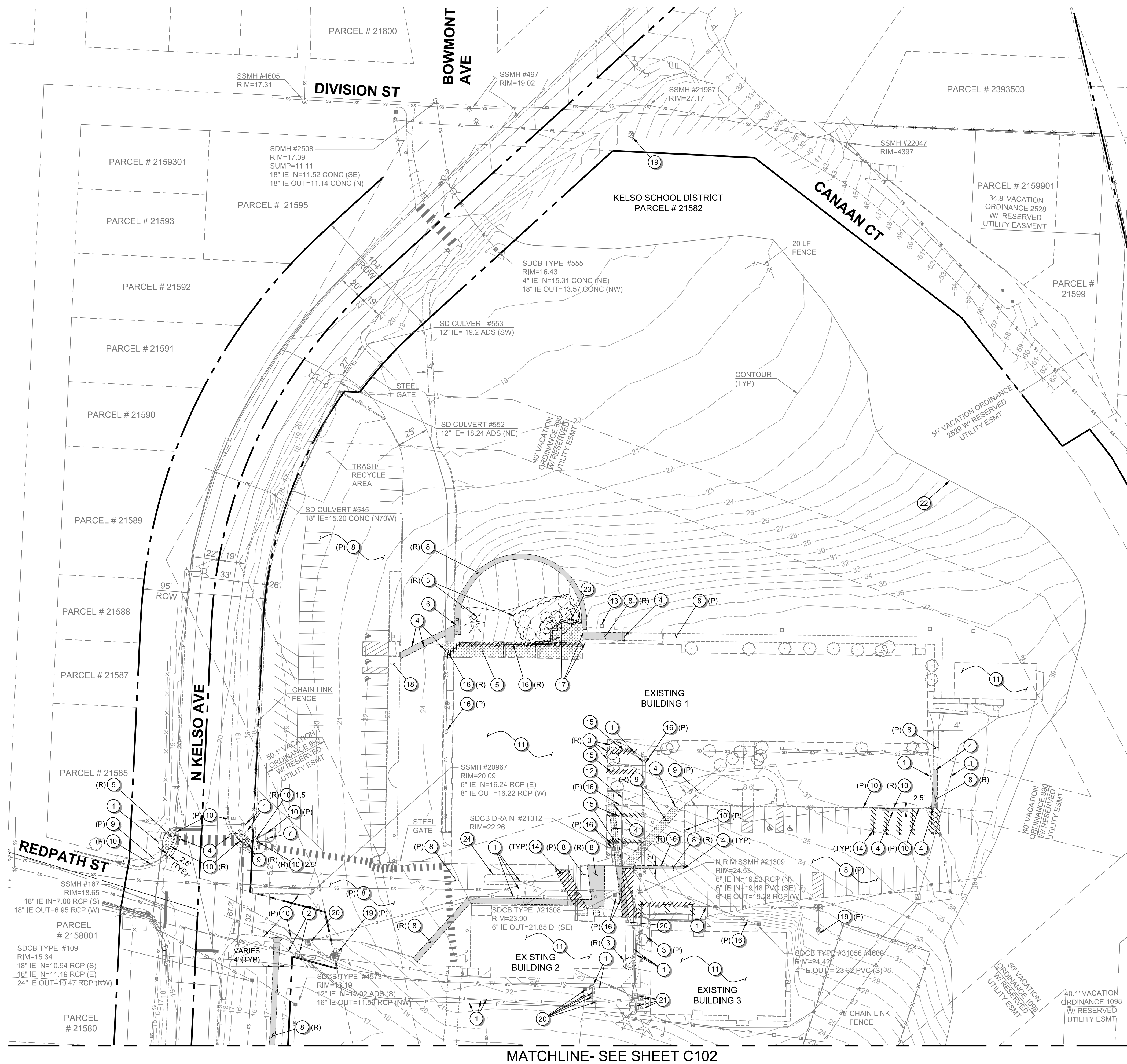
PBS
Engineering and
Environmental Inc.
415 W 6th Street, Suite 601
Kelso, WA 98626
360.695.5488
pbse.com

integrus
ARCHITECTURE

10800 N. CEDAR ST. SUITE 204
TACOMA, WA 98157
TEL: 206.465.2141

06/03/2021

PBS PROJECT NO. 71500.000



- GENERAL SHEET NOTES**
- SEE SHEETS C002 AND C003 FOR GENERAL NOTES AND MASTER LEGEND.
 - IF EXISTING CURB, SIDEWALK AND/OR PAVEMENT DEDICATED TO REMAIN IS DAMAGED, THEN IT IS TO BE REMOVED AND REPLACED TO THE ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE.

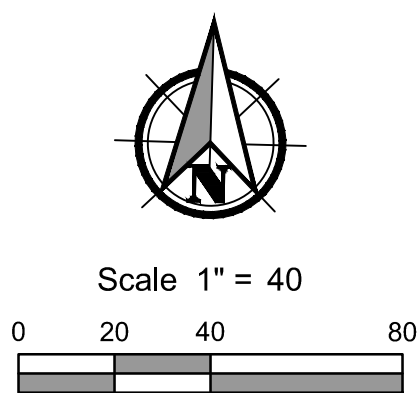
- DEMOLITION NOTES**
- PROTECT EXISTING UTILITY LINE OR STRUCTURE.
 - PROTECT OVERHEAD POWER LINE.
 - REMOVE (R) OR PROTECT (P) TREE AND/OR SHRUB.
 - SAWCUT CURB, CURB AND GUTTER, ASPHALT, OR CONCRETE
 - REMOVE HANDRAILS, CONCRETE STEPS, AND CONCRETE SIDEWALK.
 - REMOVE BENCH.
 - PROTECT SIGN.
 - REMOVE (R) OR PROTECT (P) ASPHALT.
 - REMOVE (R) OR PROTECT (P) CONCRETE SIDEWALK.
 - REMOVE (R) OR PROTECT (P) CURB OR CURB AND GUTTER.
 - PROTECT STRUCTURE.
 - PROTECT RETAINING WALL
 - RELOCATE IRRIGATION BOX. SEE SHEET C501 FOR MORE INFORMATION.
 - REMOVE STRIPING.
 - ABANDON SANITARY LINE PER MECHANICAL PLANS.
 - REMOVE (R) OR PROTECT (P) STORM LINE OR STRUCTURE.
 - REMOVE CONCRETE WALL.
 - PROTECT EXISTING LANDSCAPE AREA AND PERIMETER CURB.
 - PROTECT (P) EXISTING FIRE HYDRANT AND ASSOCIATED VALVES.
 - PROTECT EXISTING UTILITY METER.
 - PROTECT EXISTING UTILITY VAULT.
 - PROTECT EXISTING VEGETATION LINE.
 - REMOVE FLAG POLE.
 - PROTECT EXISTING OIL TANK - APPROXIMATE LOCATION.

BASIS OF BEARING: SOUTH 21°36'38" EAST
BETWEEN MONUMENTS NO. 61 AND NO.26,
WASHINGTON COORDINATE SYSTEM,
SOUTH ZONE 4602, NAD 83/2011 (GEOID 12B) AND NAVD88
DERIVED FROM WASHINGTON STATE REFERENCE NETWORK
(WSRN) STATION: CROK3

MONUMENT #61
N: 309448.34'
E: 1031465.67'
EL: 42.87'
LAT: N046° 09' 23.3159"
LON: W122° 54' 12.1592"
SCALE FACTOR: 0.99994241
CONVERGENCE: -001° 44' 44.8919"

MONUMENT #26
N: 307371.7282'
E: 1032288.2950'
EL: 110.509'
LAT: N046° 09' 03.0718"
LON: W122° 53' 59.5808"

DEMOLITION LEGEND	
	ASPHALT REMOVAL
	CONCRETE REMOVAL
	PIPE ABANDONMENT / PIPE REMOVAL / STRIPING REMOVAL

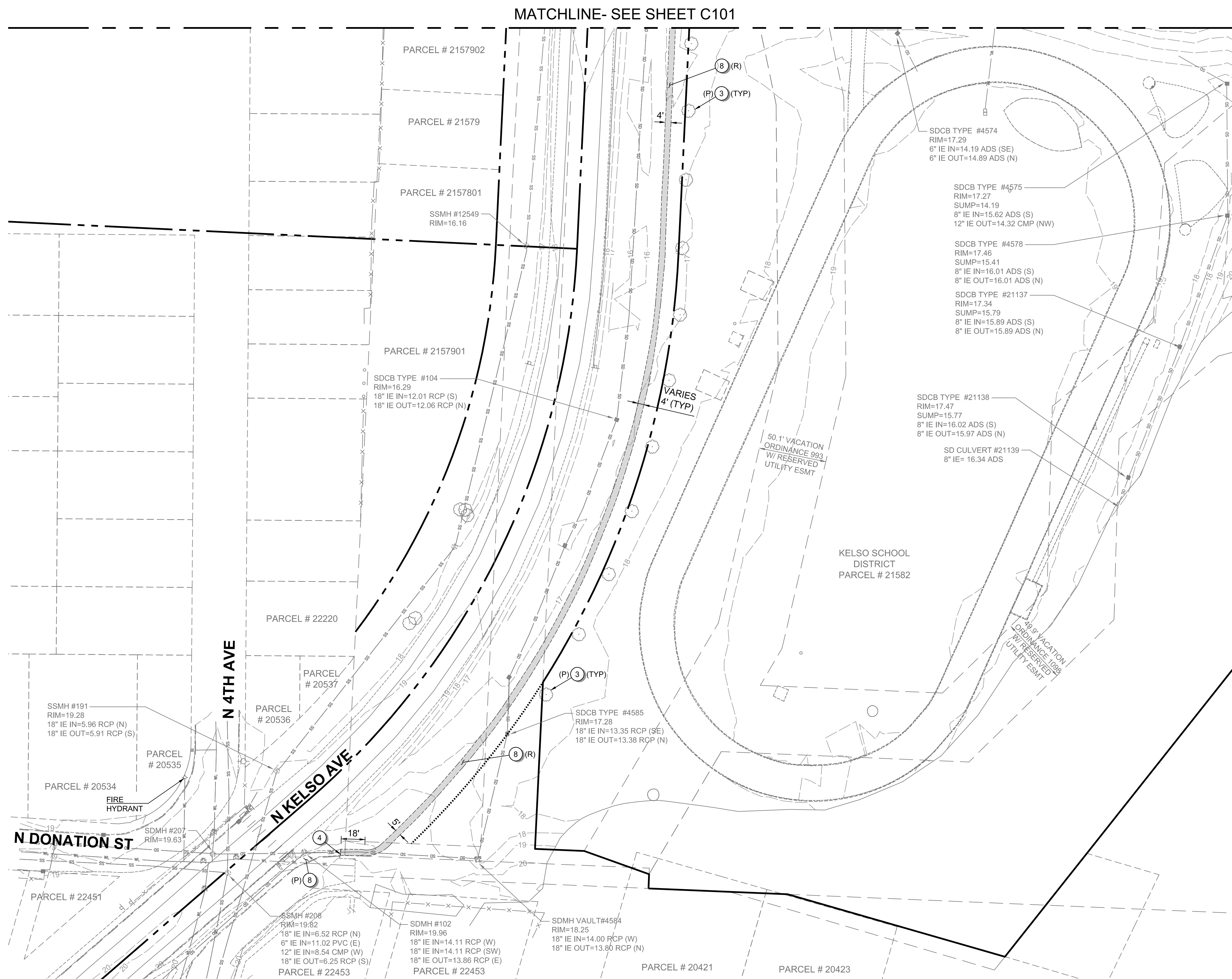


**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

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EXISTING
CONDITIONS
AND DEMO PLAN

PRELIMINARY
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GENERAL SHEET NOTES

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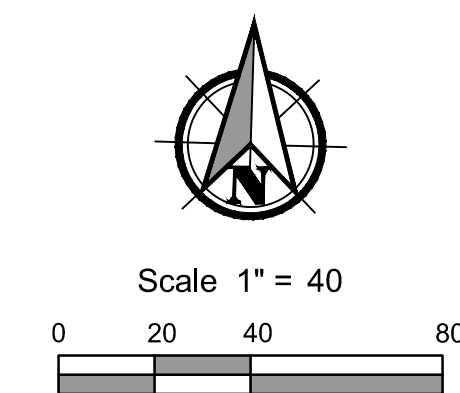
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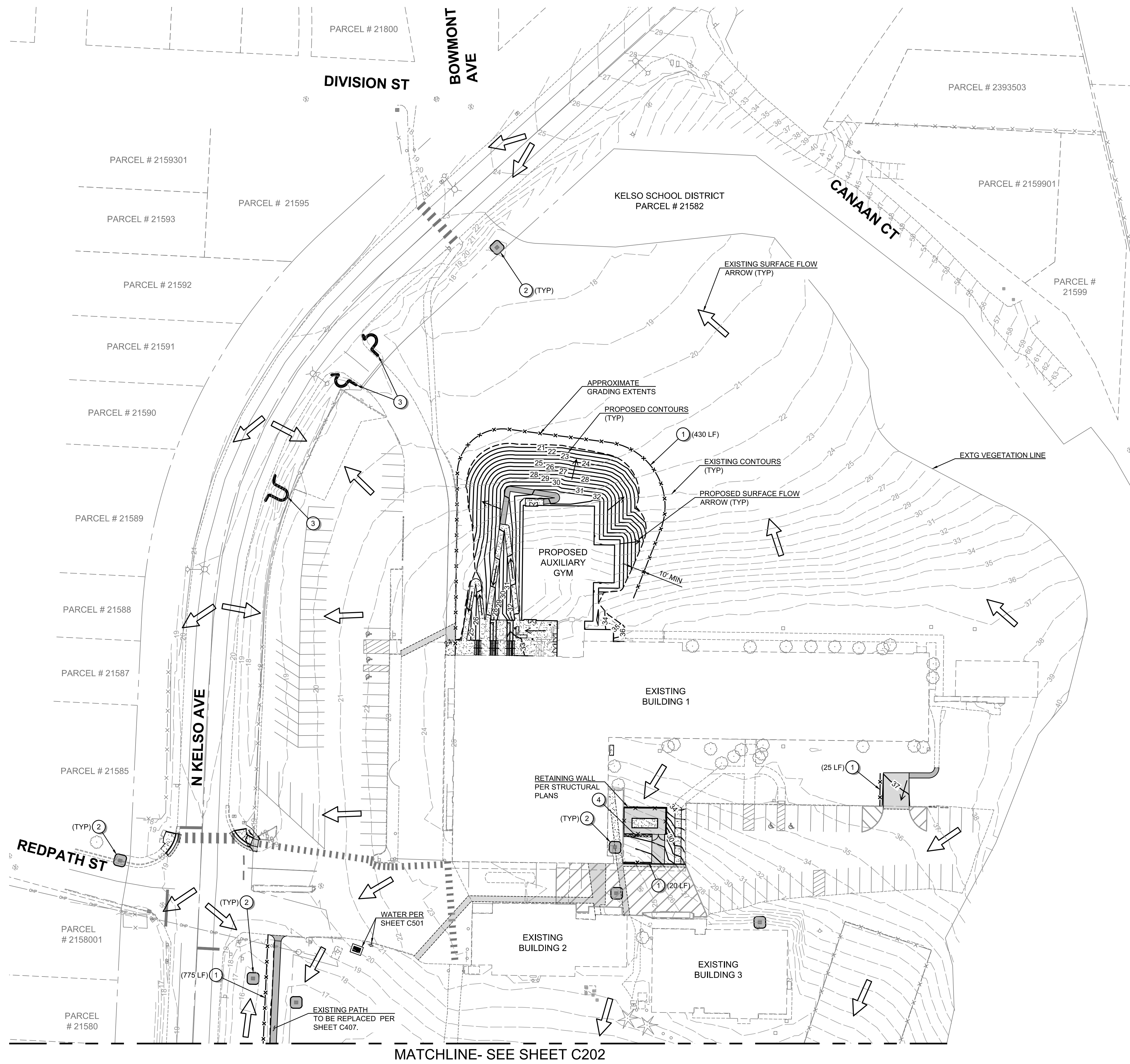
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

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Revisions	
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EXISTING
CONDITIONS
AND DEMO PLAN
FOR PATH

C102

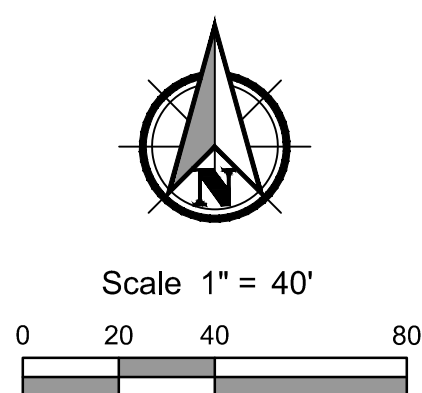


GENERAL SHEET NOTES

1. SEE SHEETS C002 AND C003 FOR GENERAL NOTES AND MASTER LEGEND.
2. TO MINIMIZE RUNOFF FROM THE LANDSCAPED AND LAWN AREAS, BMP T5.13 POST-CONSTRUCTION SOIL QUALITY AND DEPTH IS REQUIRED ON ALL DISTURBED AREAS OUTSIDE OF THE BUILDING FOOTPRINT. SEE SITE PLAN FOR PROPOSED AREAS.

EROSION CONTROL CONSTRUCTION NOTES

1. SILT FENCE PER WSDOT STANDARD PLAN I-30.15 ON SHEET C203.
2. INSTALL INLET PROTECTION PER WSDOT STANDARD PLAN I-40.22 ON SHEET C203.
3. INSTALL COMPOST BERM DESIGN PER WSDOT STANDARD PLAN I-30.20 ON SHEET C203.
4. INSTALL DISPERSION TRENCH PER BMP T5.12, SEE SHEET C404 FOR DETAILS.



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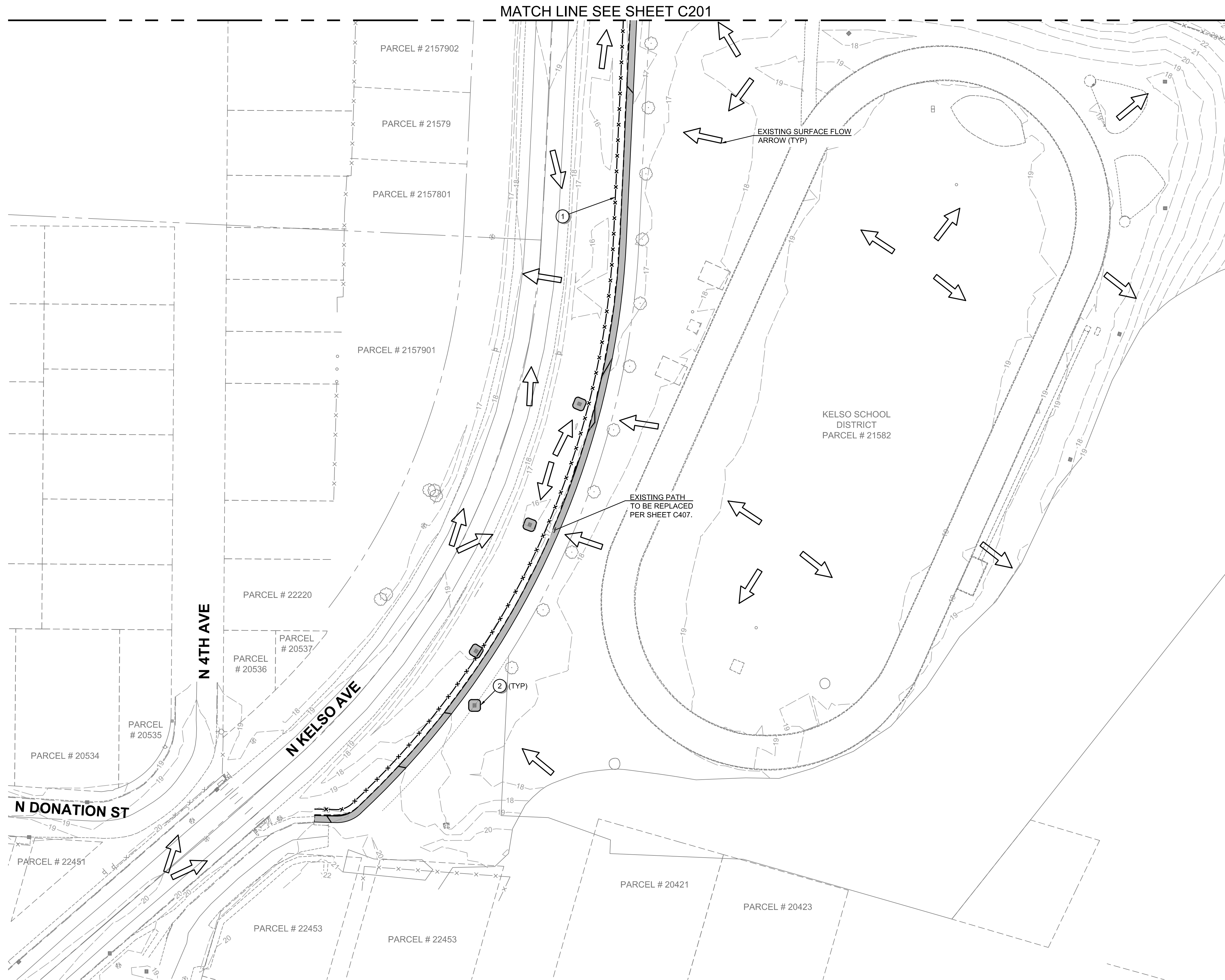
EROSION
CONTROL PLAN

C201



integrus
ARCHITECTURE

10 SOUTH CEDAR, SPOKANE, WA 99204
TELEPHONE: 509.333.8811 FAX: 509.333.2194

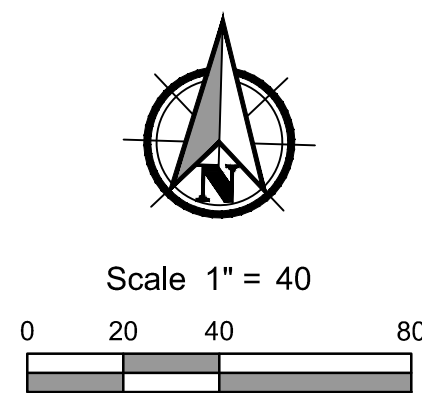


GENERAL SHEET NOTES

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- ② INSTALL INLET PROTECTION PER WSDOT STANDARD PLAN I-40.22 ON SHEET C203.
- ③ INSTALL COMPOST BERM DESIGN PER WSDOT STANDARD PLAN I-30.20 ON SHEET C203.
- ④ INSTALL DISPERSION TRENCH PER BMP T5.12, SEE SHEET C404 FOR DETAILS.



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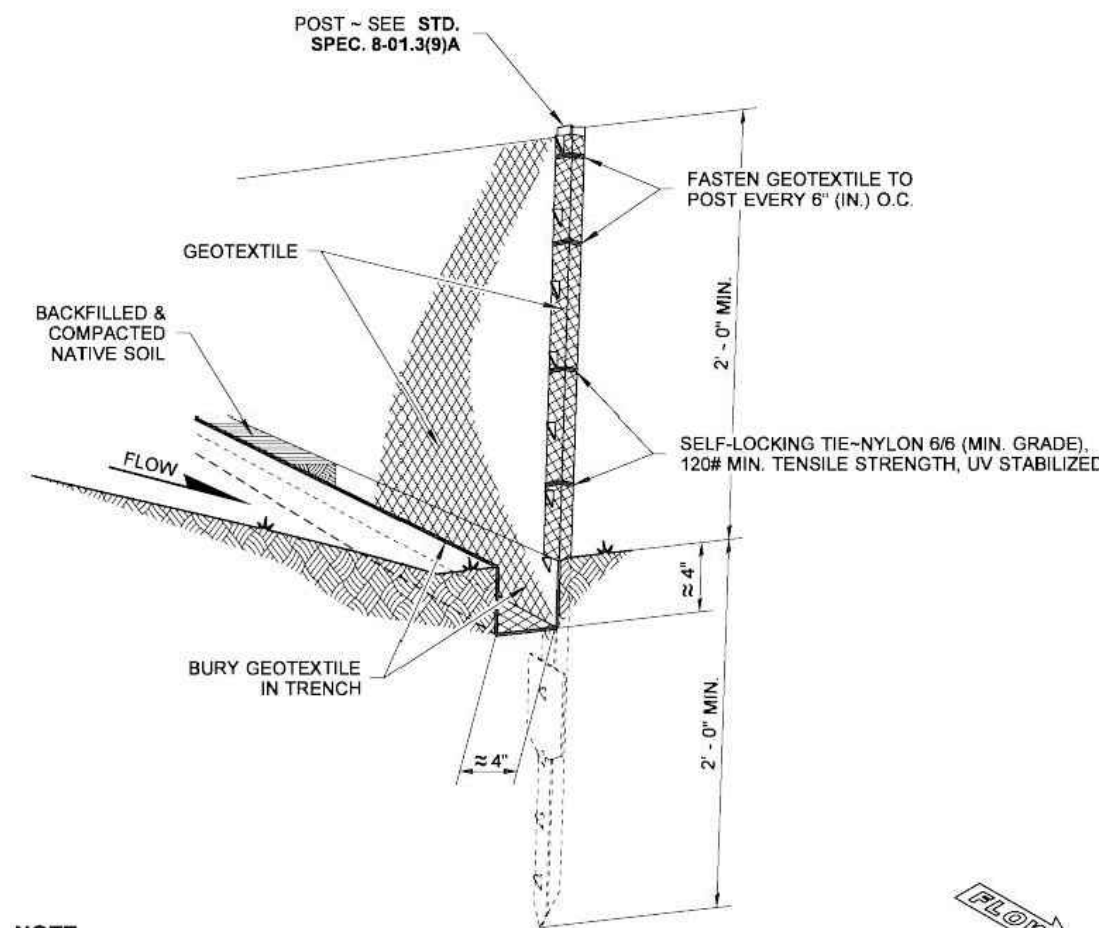
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EROSION
CONTROL PLAN
FOR PATH

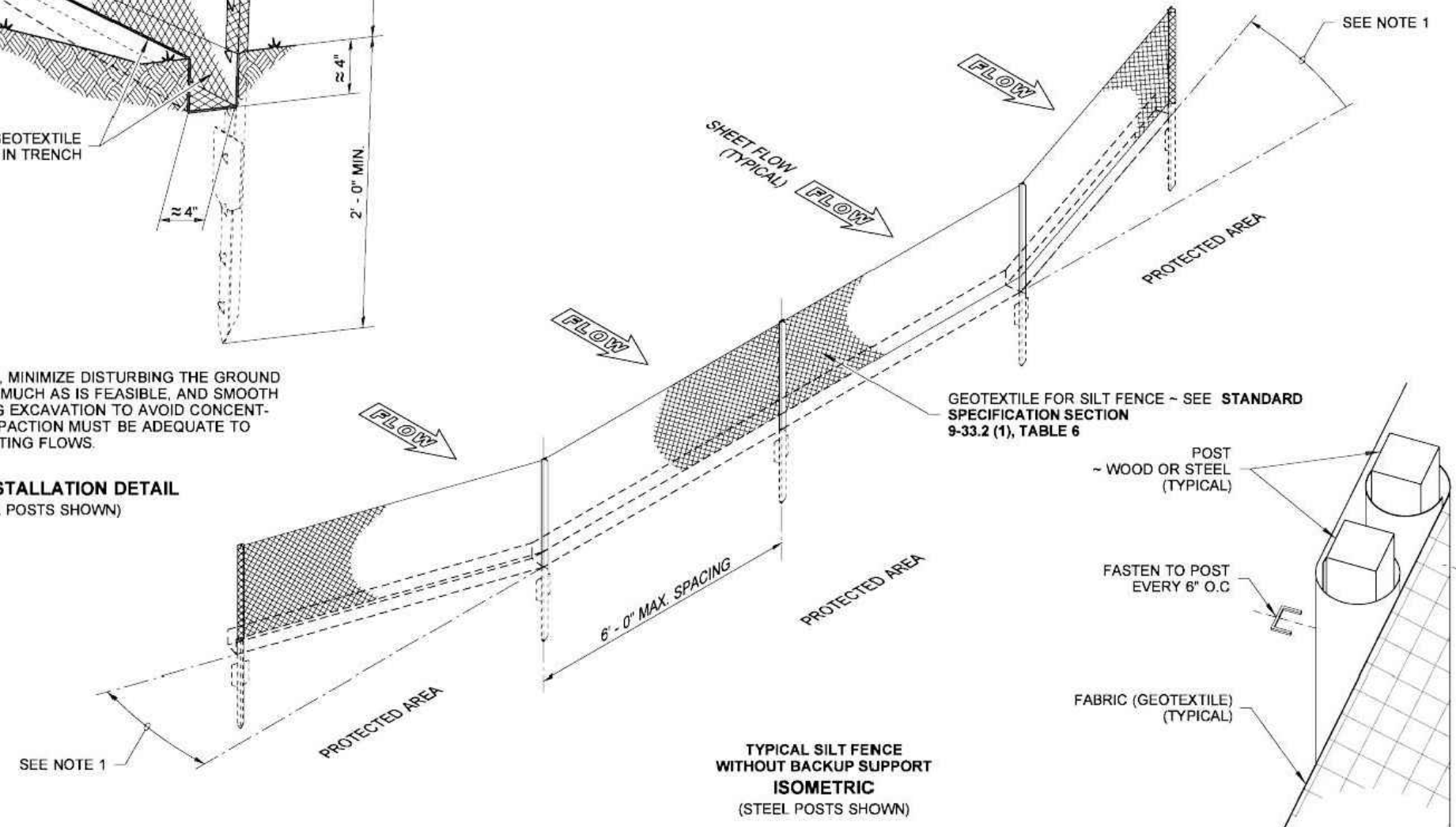
C202

DRAWN BY: BILL BEERNS



NOTE
DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

TYPICAL INSTALLATION DETAIL
(STEEL POSTS SHOWN)



TYPICAL SILT FENCE
WITHOUT BACKUP SUPPORT
(STEEL POSTS SHOWN)

SPliced FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LAZED WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP

SPlice DETAIL
(WOOD POSTS SHOWN)

NOTES

1. Install the ends of the silt fence to point slightly upslope to prevent sediment from flowing around the ends of the fence.
2. Perform maintenance in accordance with **Standard Specifications 8-01.3(9)(A) and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.

DRAWN BY: LISA CYFORD



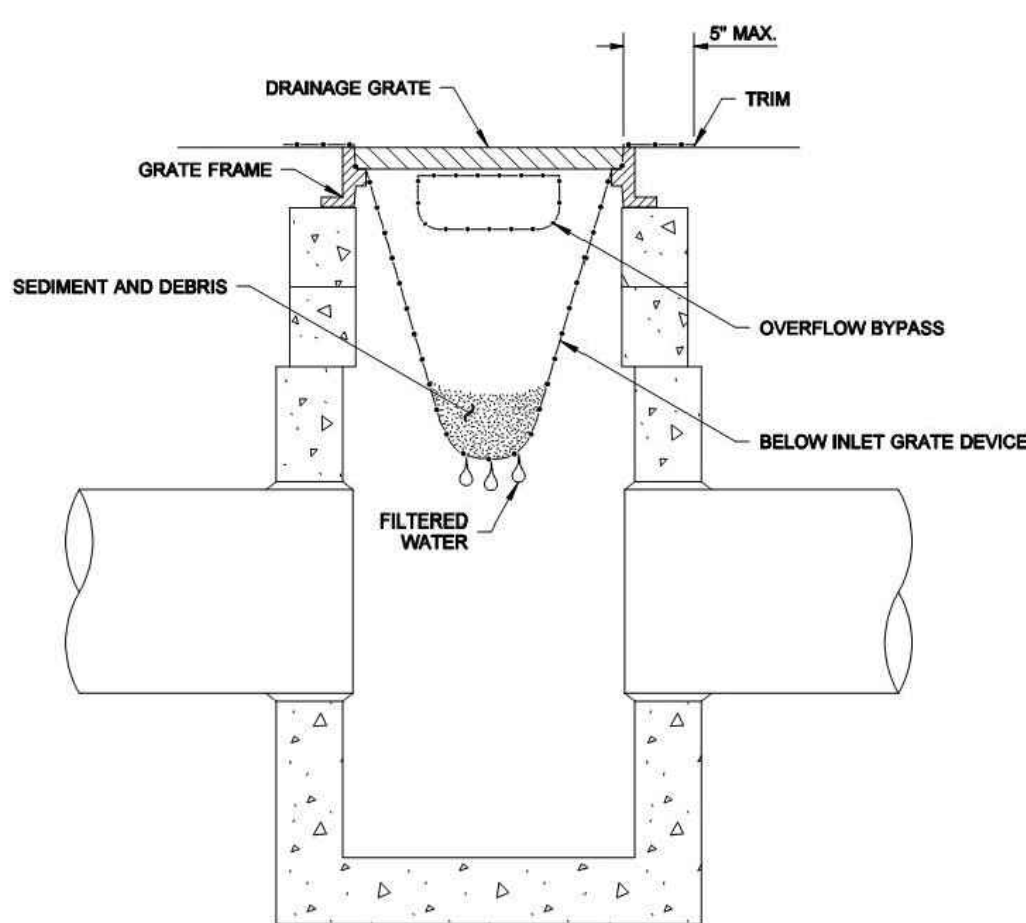
SILT FENCE

STANDARD PLAN I-30.15-02
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakotich III 3/22/13
DATE
Washington State Department of Transportation

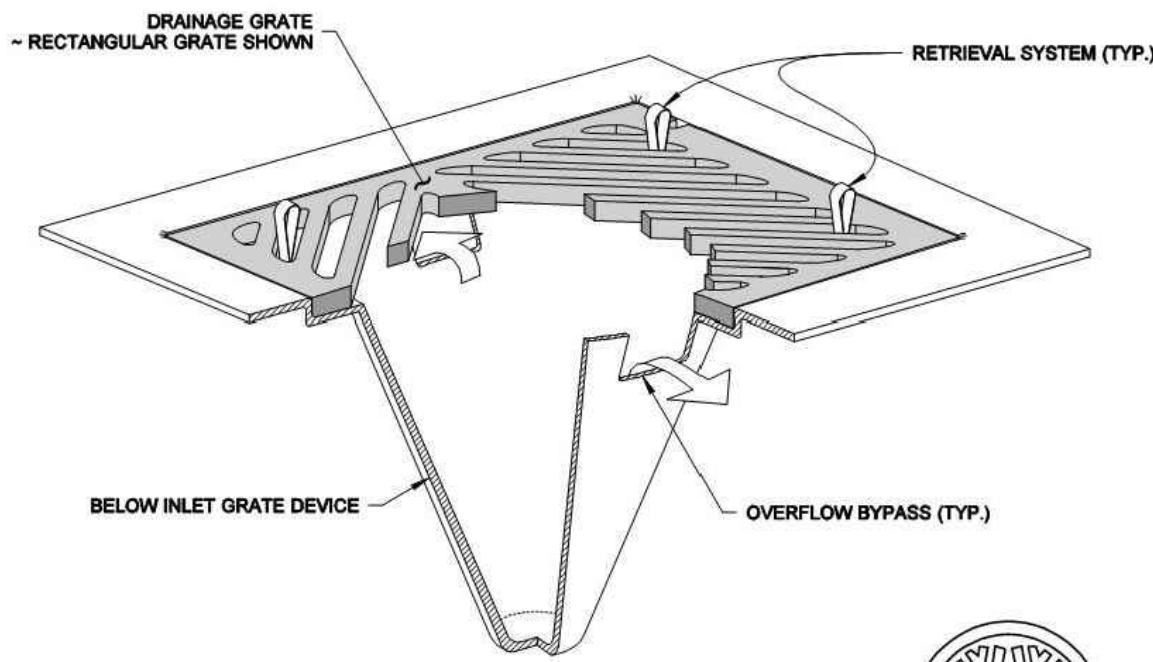
NOTES

1. Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
2. The BIGD shall have a built-in high-flow relief system (overflow bypass).
3. The retrieval system must allow removal of the BIGD without spilling the collected material.
4. Perform maintenance in accordance with **Standard Specification 8-01.3(15)**.

DRAWN BY: LISA CYFORD



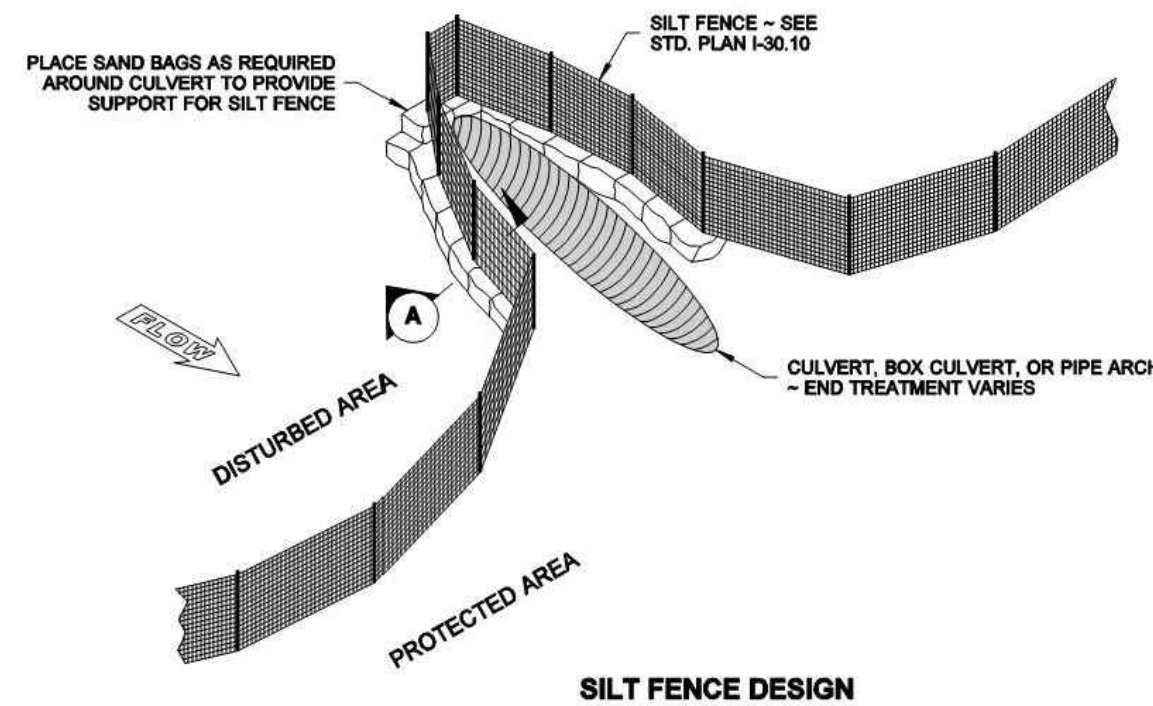
SECTION VIEW
NOT TO SCALE



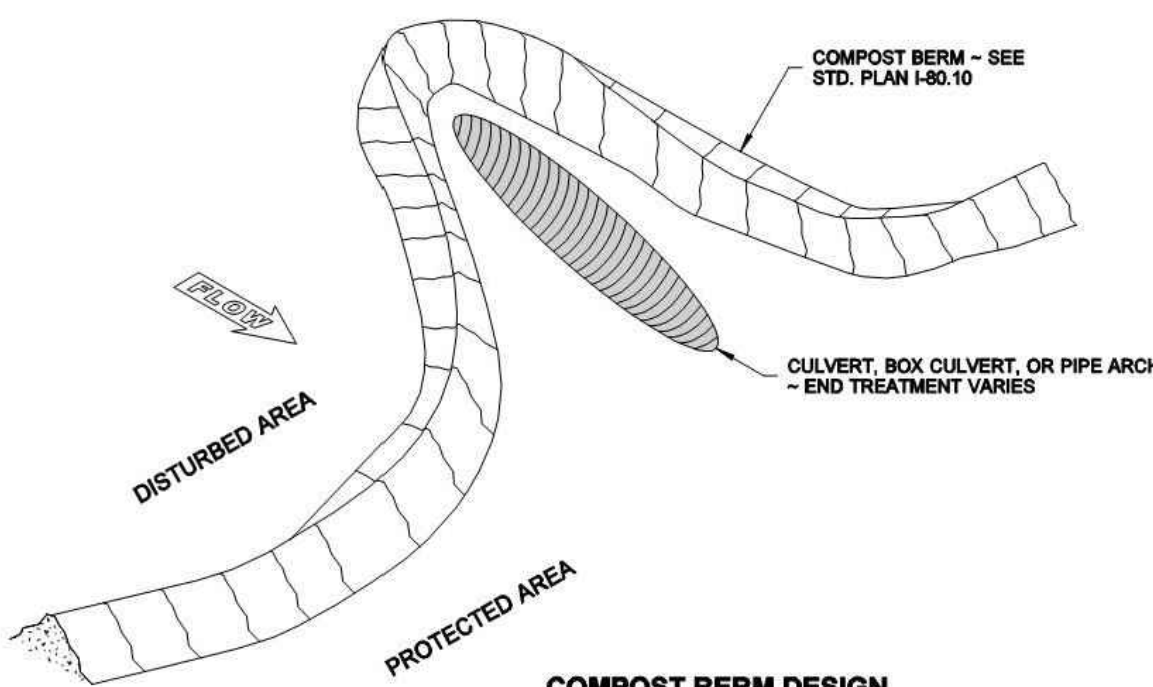
ISOMETRIC VIEW



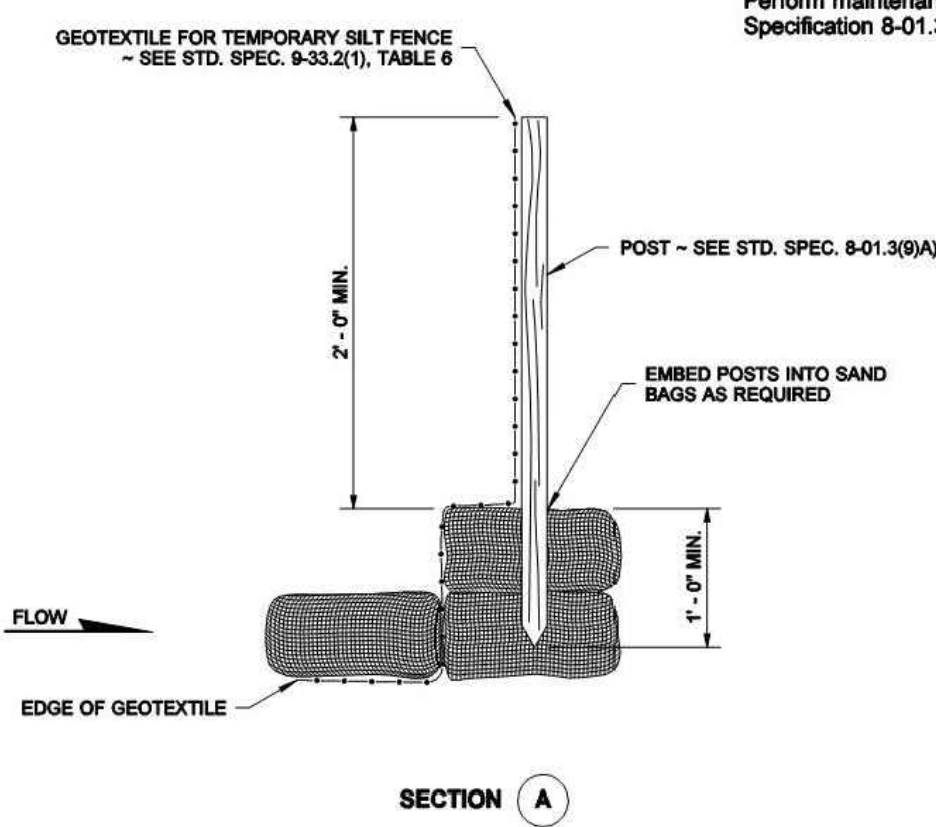
**STORM DRAIN
INLET PROTECTION**
STANDARD PLAN I-40.20-00
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakotich III 09-20-07
DATE
Washington State Department of Transportation



SILT FENCE DESIGN



COMPOST BERM DESIGN



NOTE

Perform maintenance in accordance with **Standard Specification 8-01.3(9)(A) and 8-01.3(15)**.



**EROSION CONTROL
AT CULVERT ENDS**
STANDARD PLAN I-30.20-00
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakotich III 09-20-07
DATE
Washington State Department of Transportation

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

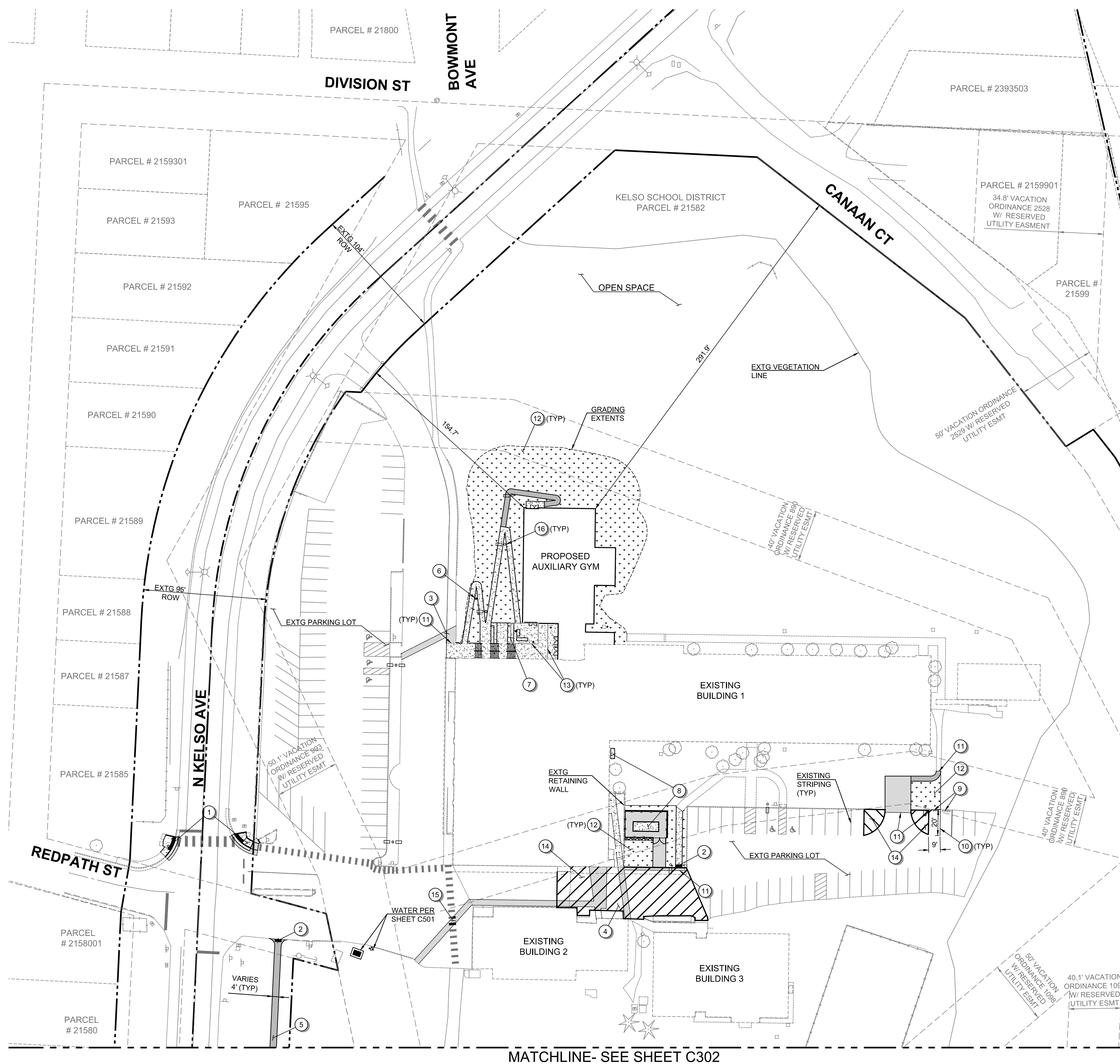
500 REDPATH ST, KELSO, WA 98626

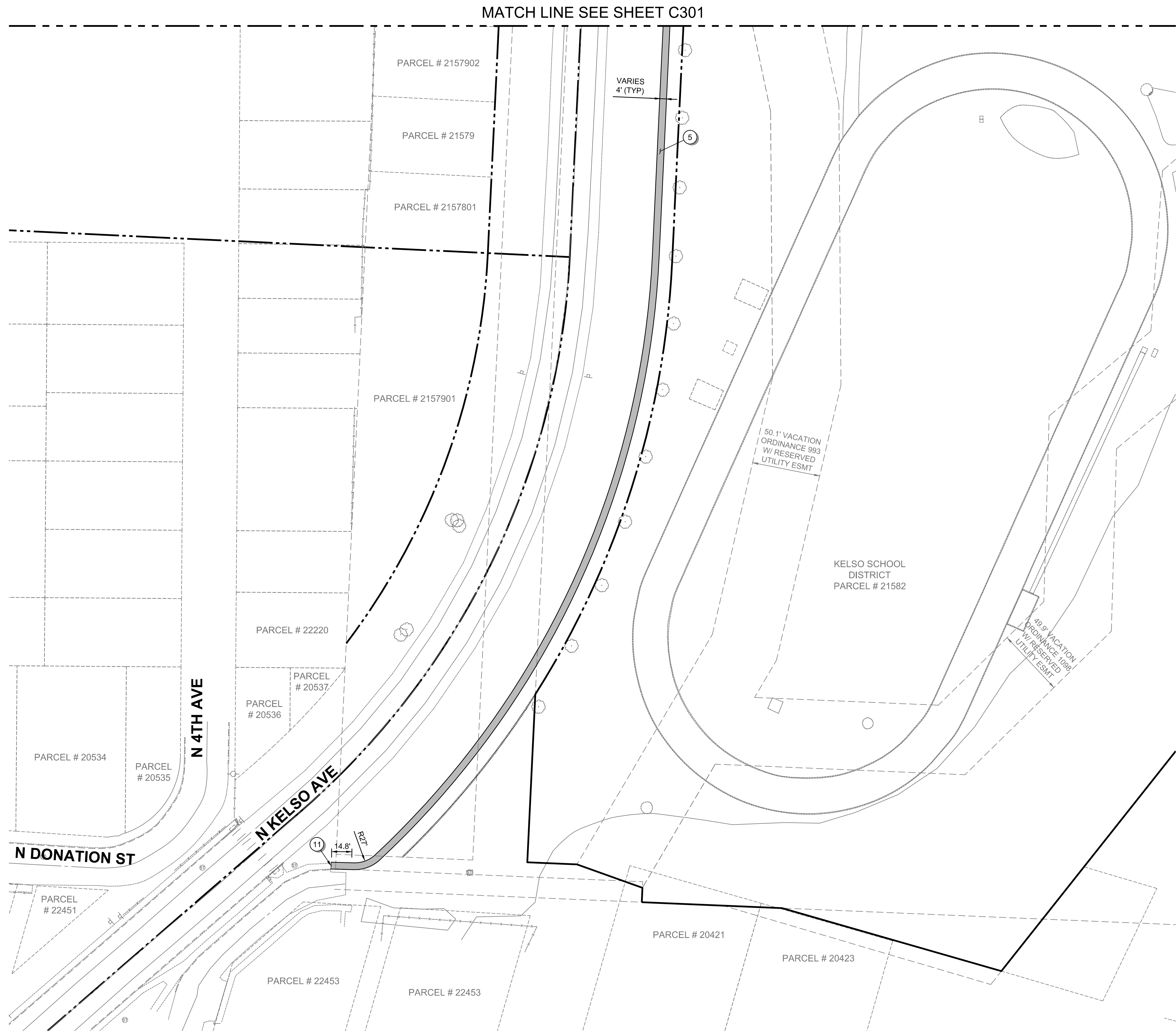
Date:	5.28.2021
Job No.:	21938.00
Drawn By:	PVR / ANW
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Revisions	
#	Date Description

EROSION
CONTROL
DETAILS

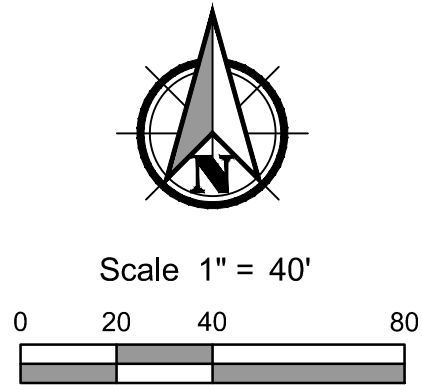
PRELIMINARY
SUBJECT TO AGENCY REVIEW
NOT FOR CONSTRUCTION
BID SET

C203





- GENERAL SHEET NOTES**
1. SEE SHEETS C002 AND C003 FOR GENERAL NOTES AND MASTER LEGEND.
 2. PROPOSED WATER, STORM, AND SANITARY SERVING THE AUXILIARY GYM CONNECT INTO EXISTING SYSTEMS PER MECHANICAL PLANS.
- SITE CONSTRUCTION NOTES**
1. CONSTRUCT CURB RAMP PER ADA GRADING DETAILS ON SHEET C406.
 2. TRUNCATED DOMES. SEE GRADING DETAIL SHEETS C402 - C405 FOR MORE INFORMATION.
 3. STRIPING FROM UTILITY TRENCHING TO BE REPLACED TO MATCH EXISTING.
 4. UTILITY TRENCHING. SEE SHEET C501 FOR MORE INFORMATION.
 5. RECONSTRUCT EXISTING PEDESTRIAN TRAIL PER THE TYPICAL SECTION ON SHEET C601.
 6. FLAG POLE PER ARCHITECTURAL PLANS.
 7. CONSTRUCT PLAZA WITH SEATING AND PEDESTRIAN PATH PER SHEETS C402, C403, AND THE ARCHITECTURAL PLANS.
 8. CONSTRUCT CHILLER PAD AND SURROUNDING IMPROVEMNTS PER SHEET C404.
 9. REUSE EXISTING WHEEL STOP.
 10. INSTALL PARKING STRIPING PER DETAIL ON SHEET C601.
 11. SAWCUT LINE. SEE GRADING DETAILS ON SHEETS C402 - C405 FOR MORE INFORMATION.
 12. INSTALL SUNMARK SEED MIX OR APPROVED EQUAL. TO MINIMIZE RUNOFF FROM THE LANDSCAPED AND LAW AREAS. BMP T5.13 POST-CONSTRUCTION SOIL QUALITY AND DEPTH IS REQUIRED ON ALL DISTURBED AREAS OUTSIDE OF THE BUILDING FOOTPRINT.
 13. ROOF OVERHANG PER ARCHITECTURAL PLANS.
 14. INSTALL 8" WHITE STRIPED NO-PARKING PEDESTRIAN / FIRE AREA PER DETAIL ON SHEET C601.
 15. REPLACE CROSSWALK STRIPING. SEE WSDOT STANDARD PLAN M-15.10 ON SHEET C603.
 16. LIGHT POLE PER ELECTRICAL PLANS.



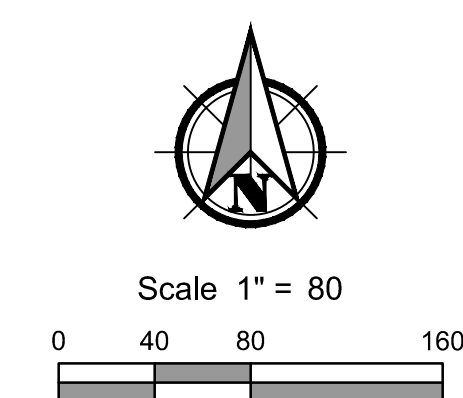
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**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

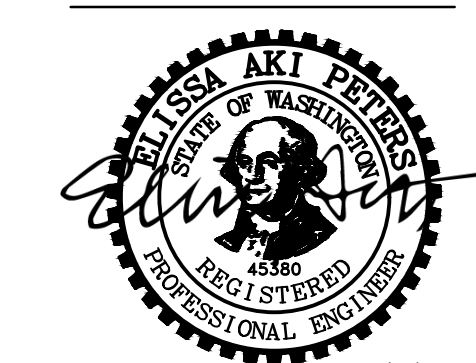
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Job No.:	21938.00
Drawn By:	PVR / ANW
Checked by:	EAP
Revisions	
#	Date Description

SITE PLAN



CUT/FILL ESTIMATE - TOTAL	
FILL	2,895 C.Y.
CUT	115 C.Y.
NET FILL	2,780 C.Y.

NOTE:
CUT AND FILL QUANTITIES DO NOT INCLUDE
STRUCTURAL CUT QUANTITIES, STRIPPING, OR
UTILITY TRENCHING.



**KELSO SCHOOL DISTRICT NO. 458
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Revisions		
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GRADING KEY MAP

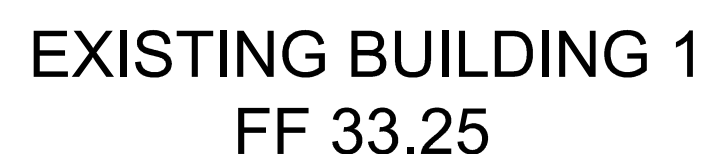
C401

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36380 WM CO 1E1 ST KEI CO WA 98626

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#	Date	Description

C403

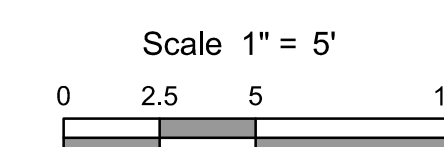


1. SEE SHEETS C002 AND C003 FOR GENERAL NOTES AND MASTER LEGEND.

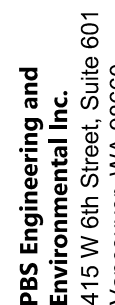
- ① CONSTRUCT PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F40.15 ON SHEET C603.
- ② CONSTRUCT STANDARD STRAIGHT CURB PER COK STANDARD DETAIL ST-090 ON SHEET C604.
- ③ CONSTRUCT CONCRETE WALKWAY PER COK DETAIL ST-150 ON SHEET C604.
- ④ CONSTRUCT VEHICLE ASPHALT PER TYPICAL SECTION ON SHEET C601.
- ⑤ INSTALL TRUNCATED DUMPS PER WSDOT STANDARD PLAN F-45.10 ON SHEET C603.
- ⑥ CONSTRUCT PEDESTRIAN ASPHALT PATH PER TYPICAL SECTION ON SHEET C601.
- ⑦ REPLACE CROSSWALK STRIPING. SEE WSDOT STANDARD PLAN M-15.10 ON SHEET C603.
- ⑧ CONSTRUCT PEDESTRIAN TRAIL PER TYPICAL SECTION ON SHEET C601.
- ⑨ CONSTRUCT TWO ALE AND GUTTER PER COK STANDARD DETAIL ST-110 ON SHEET C601.
- ⑩ THERE IS A 1-INCH OFFSET BETWEEN THE STAIRS AND THE SEATWALLS. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
- ⑪ CONSTRUCT A 2' WIDE, 9" DEPTH DISPERSAL TRENCH WITH CRUSHED SURFACING BASE COURSE MATERIAL PER BMP TS.12.
- ⑫ CONSTRUCT PLAZA CONCRETE PER TYPICAL SECTION ON SHEET C601. SEE ARCHITECTURAL PLANS FOR SCORING AND FINISH.



FF - FINISHED FLOOR
FG - FINISHED GRADE
EG - EXISTING GRADE
TW - TOP OF SEAT WALL
BW- BOTTOM OF SEAT WALL
TS - TOP OF STAIRS
BS - BOTTOM OF STAIRS



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BID SET

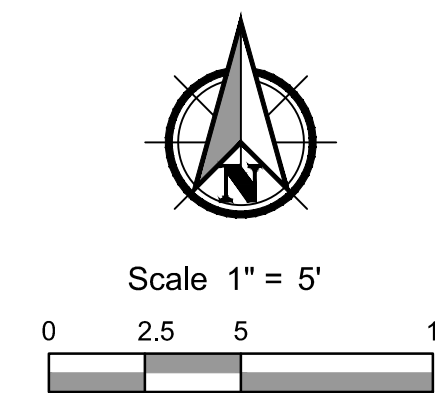


PBS PROJECT NO. 71500.000

500 REDPATH ST, KELSO, WA 98626

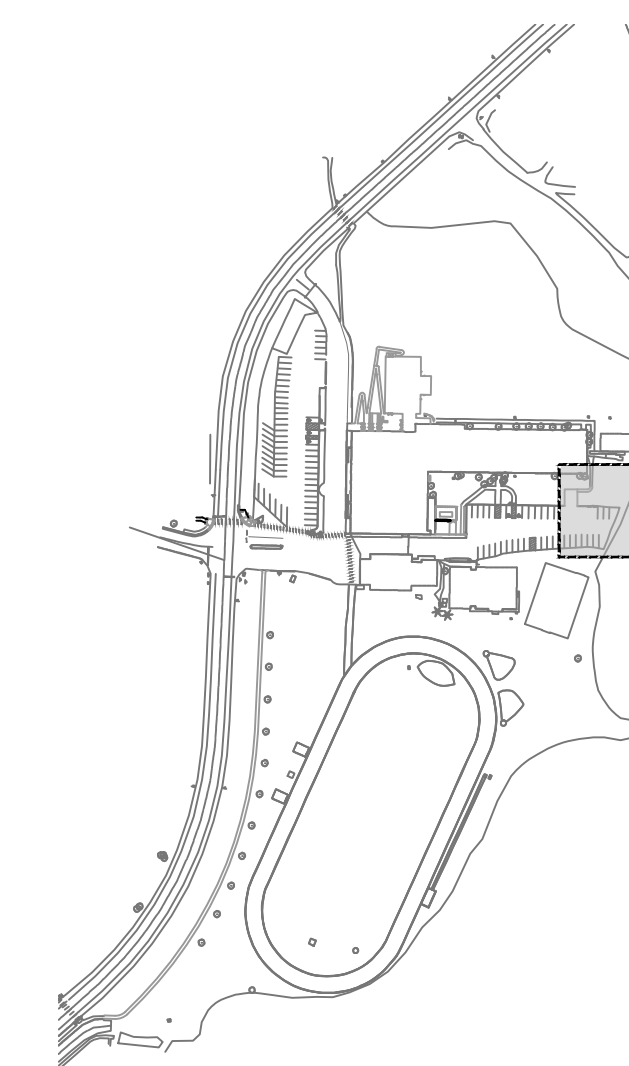
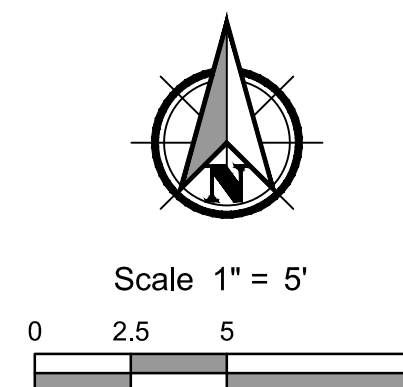
Revisions		
#	Date	Description

C404



- ① CONSTRUCT PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F40.15 ON SHEET C603.
- ② CONSTRUCT STANDARD STRAIGHT CURB PER COK STANDARD DETAIL ST-090 ON SHEET C604.
- ③ CONSTRUCT CONCRETE WALKWAY PER COK DETAIL ST-150 ON SHEET C604.
- ④ CONSTRUCT VERTICAL ASPHALT PAVEMENT PER TYPICAL SECTION ON SHEET C601.
- ⑤ INSTALL TRUNCATED DUMPS PER WSDOT STANDARD PLAN F-45.10 ON SHEET C603.
- ⑥ CONSTRUCT PEDESTRIAN ASPHALT PATH PER TYPICAL SECTION ON SHEET C601.
- ⑦ REPLACE CROSSWALK STRIPING. SEE WSDOT STANDARD PLAN M-15.10 ON SHEET C603.
- ⑧ CONSTRUCT PEDESTRIAN TRAIL PER TYPICAL SECTION ON SHEET C601.
- ⑨ CONSTRUCT TYPE C CURB AND GUTTER PER COK STANDARD DETAIL ST-110 ON SHEET C601.
- ⑩ THERE IS A 1-INCH OFFSET BETWEEN THE STAIRS AND THE SEATWALLS. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
- ⑪ CONSTRUCT A 2' WIDE, 9" DEPTH DISPERSAL TRENCH WITH CRUSHED SURFACING BASE COURSE MATERIAL PER BMP T5.12.
- ⑫ CONSTRUCT PLAZA CONCRETE PER TYPICAL SECTION ON SHEET C601. SEE ARCHITECTURAL PLANS FOR SCORING AND FINISH.

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**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
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Date:	5.28.2021	
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#	Date	Description

PARKING LOT GRADING DETAILS

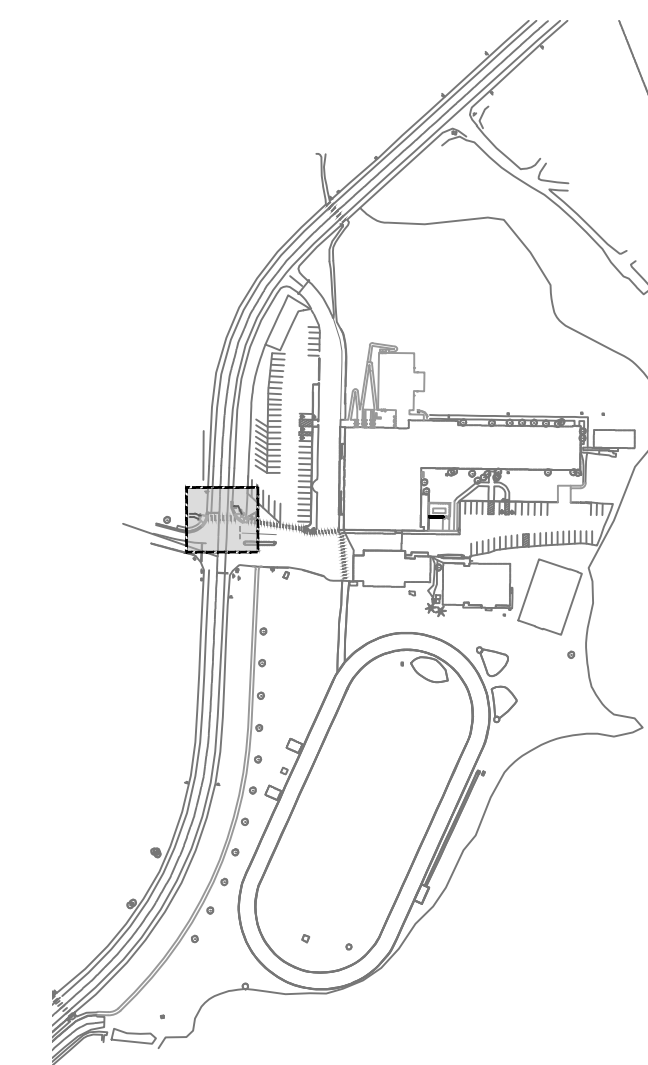
C405

PRELIMINARY
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integrus
ARCHITECTURE

10 SOUTH CEDAR, SPOKANE, WA. 82024
TELEPHONE: (509)338-8801 FAX: (509)338-2194



Scale 1" = 5'

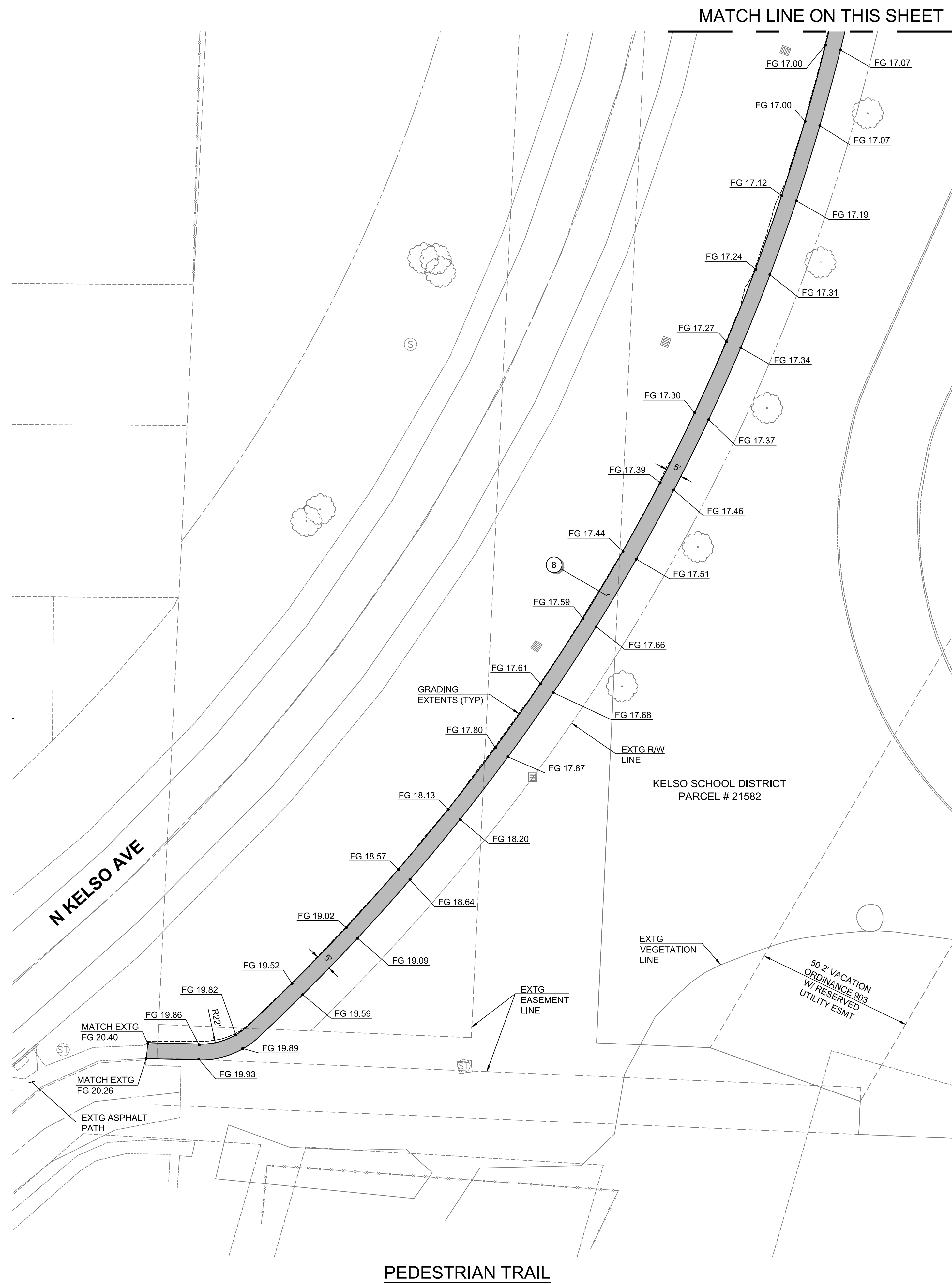
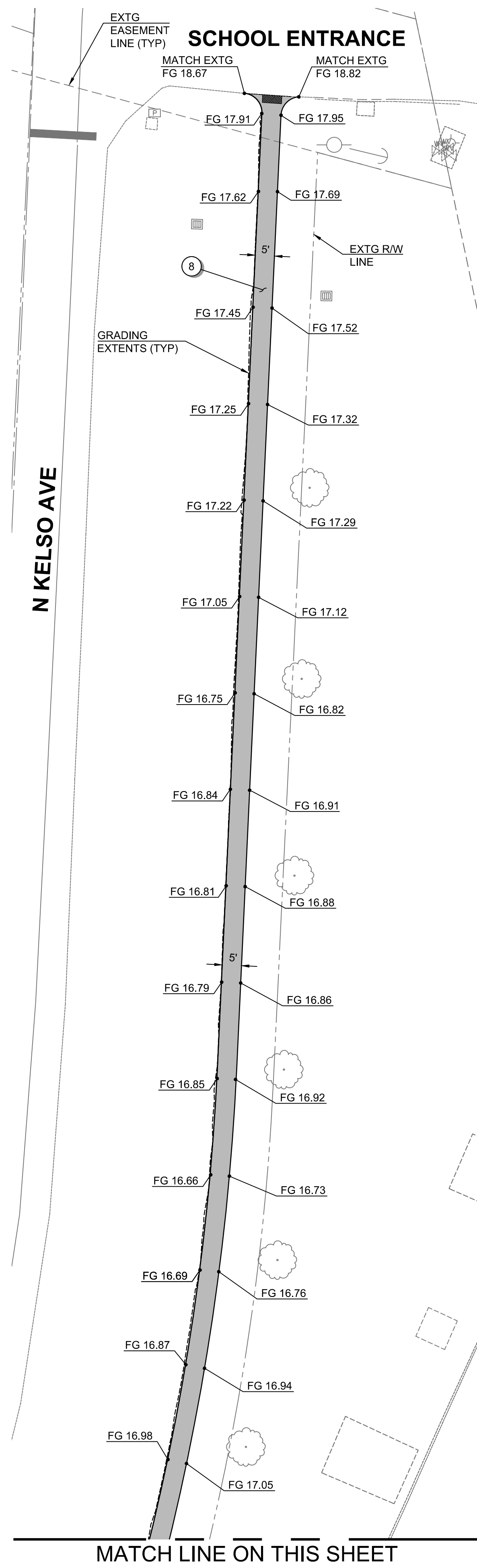
A horizontal graphic scale bar with tick marks at 0, 2.5, 5, and 10 feet. The bar is divided into segments corresponding to these measurements.

**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
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Revisions		
#	Date	Description

C406

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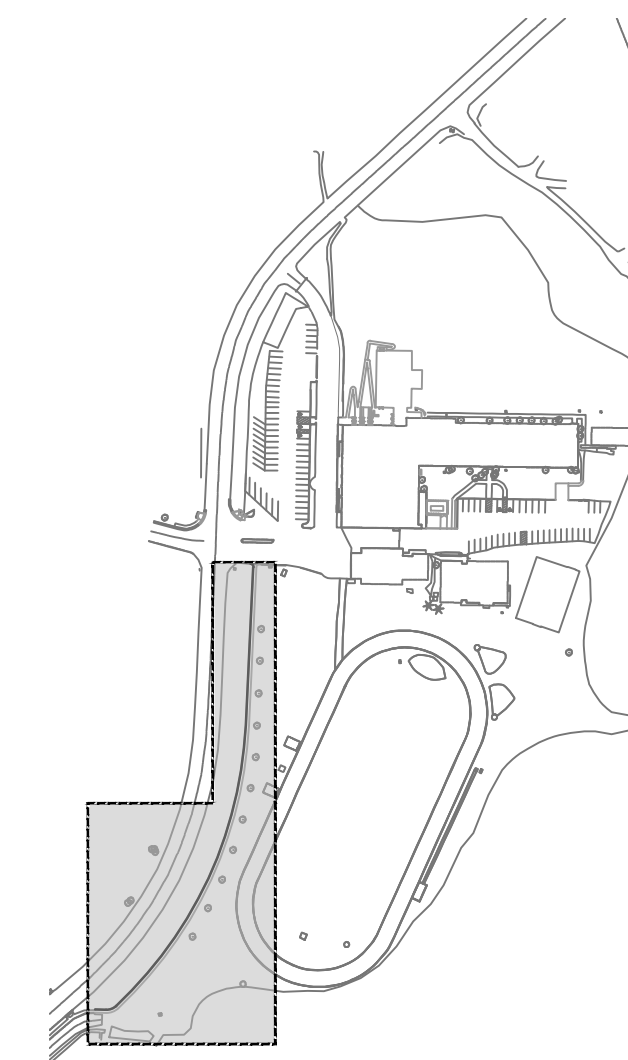
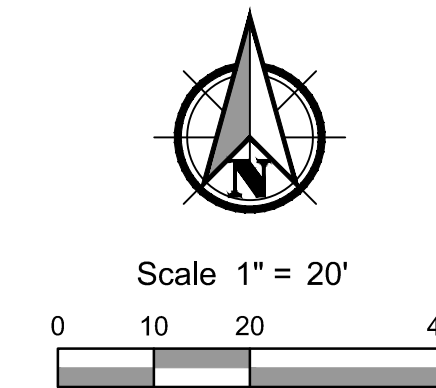


GENERAL SHEET NOTES

1. FOR GENERAL NOTES AND LEGEND, SEE SHEETS C002 AND C003.

CONSTRUCTION NOTES

1. CONSTRUCT PARALLEL CURB RAMP PER WSDOT STANDARD PLAN F40.15 ON SHEET C603.
2. CONSTRUCT STANDARD STRAIGHT CURB PER COK STANDARD DETAIL ST-090 ON SHEET C604.
3. CONSTRUCT CONCRETE WALKWAY PER COK DETAIL ST-150 ON SHEET C604.
4. CONSTRUCT VEHICLE ASPHALT PER TYPICAL SECTION ON SHEET C601.
5. INSTALL TRUNCATED DOMES PER WSDOT STANDARD PLAN F-45.10 ON SHEET C603.
6. CONSTRUCT PEDESTRIAN ASPHALT PATH PER TYPICAL SECTION ON SHEET C601.
7. REPLACE CROSSWALK STRIPING. SEE WSDOT STANDARD PLAN M-15.10 ON SHEET C603.
8. CONSTRUCT PEDESTRIAN TRAIL PER TYPICAL SECTION ON SHEET C601.
9. CONSTRUCT TYPE A CURB AND GUTTER PER COK STANDARD DETAIL ST-110 ON SHEET C601.
10. THERE IS A 1-INCH OFFSET BETWEEN THE STAIRS AND THE SEATWALLS. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
11. CONSTRUCT A 2' WIDE, 9" DEPTH DISPERSAL TRENCH WITH CRUSHED SURFACING BASE COURSE MATERIAL PER BMP T5.12.
12. CONSTRUCT PLAZA CONCRETE PER TYPICAL SECTION ON SHEET C601. SEE ARCHITECTURAL PLANS FOR SCORING AND FINISH.



KEY MAP

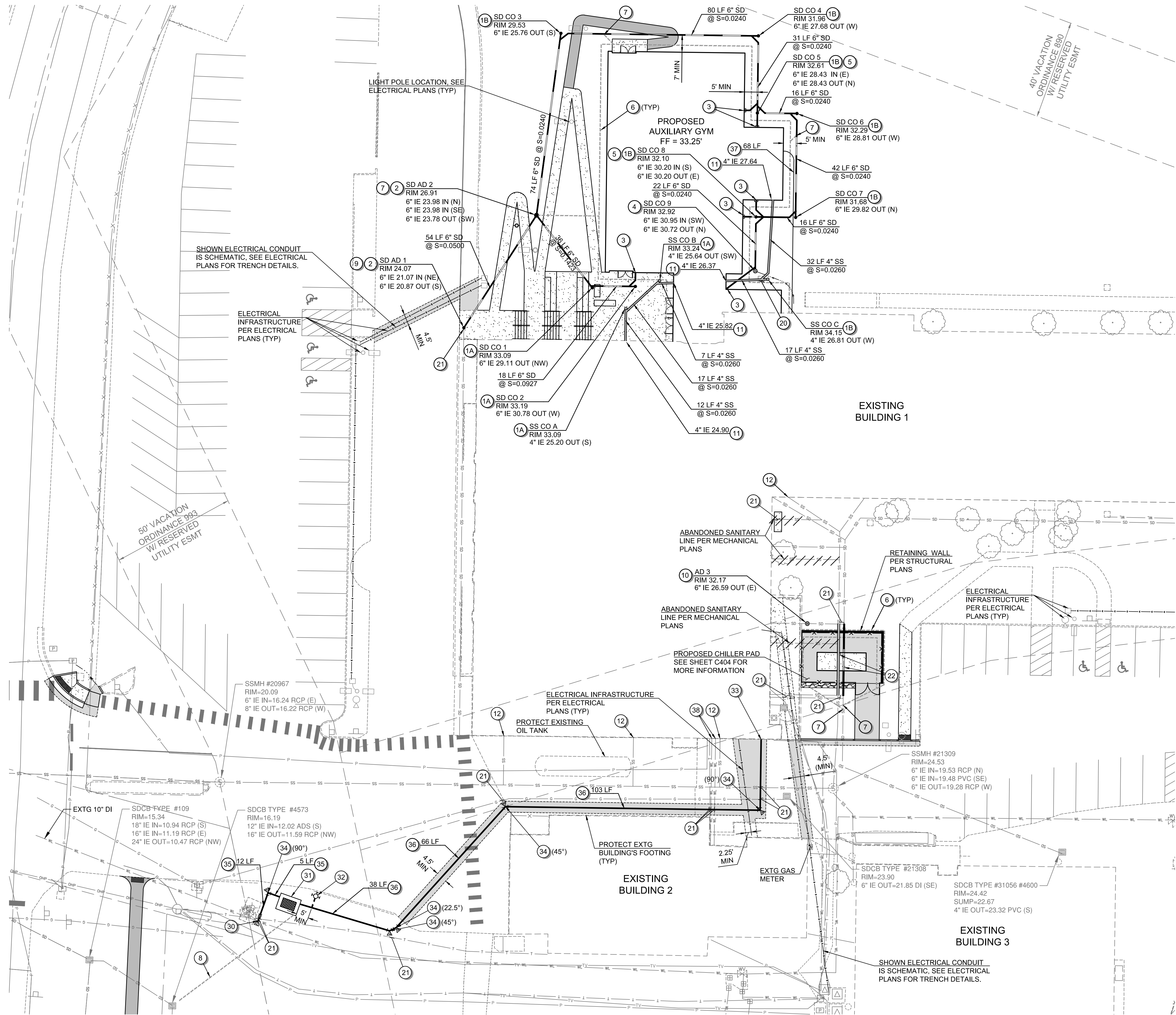
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HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	5.28.2021
Job No.:	21938.00
Drawn By:	PVR / ANW
Checked by:	EAP
Revisions	
#	Date Description

PEDESTRIAN
TRAIL GRADING
DETAILS

C407

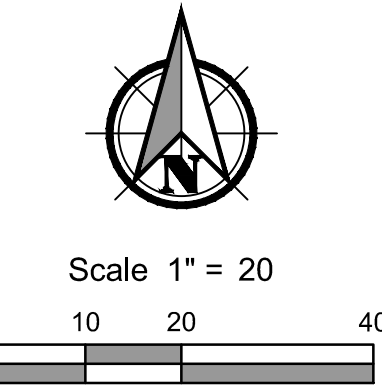


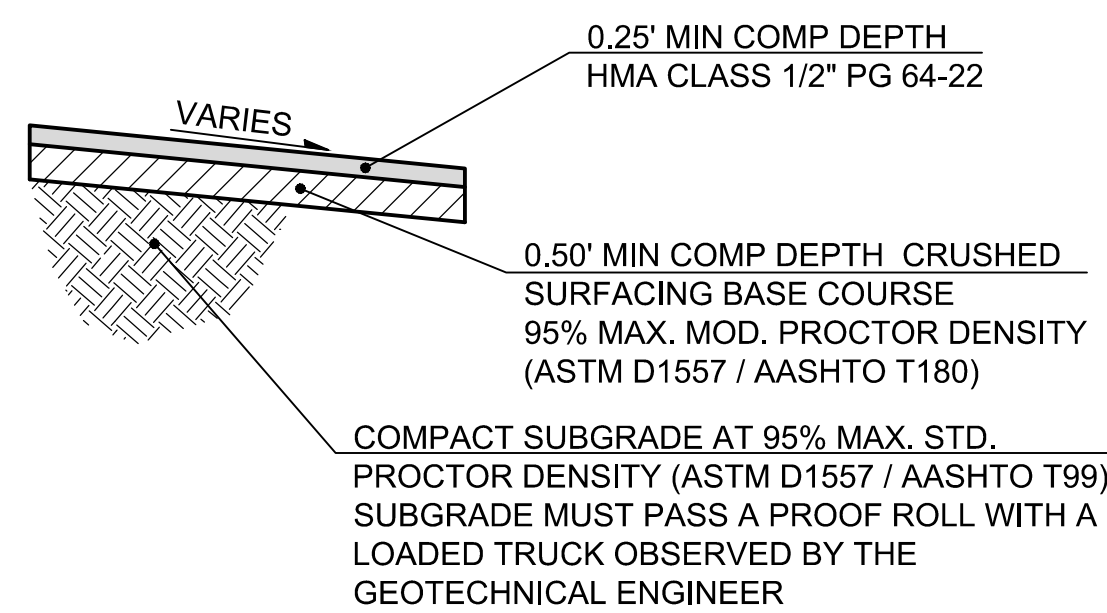
- GENERAL SHEET NOTES**
- SEE SHEETS C002 AND C003 FOR GENERAL NOTES AND MASTER LEGEND.
 - STORMWATER PIPE MATERIAL PER GENERAL NOTES ON SHEET C002.
 - TO MINIMIZE RUNOFF FROM THE LANDSCAPED AND LAWN AREAS, BMP T5.13 POST-CONSTRUCTION SOIL QUALITY AND DEPTH IS REQUIRED ON ALL DISTURBED AREAS OUTSIDE OF THE BUILDING FOOTPRINT AND STORMWATER FACILITIES.
 - SANITARY PIPE MATERIAL SHALL MATCH MECHANICAL SPECIFICATIONS FOR UNDERGROUND PIPING WHICH INCLUDES ALLOWANCES FOR NO-HUB CAST IRON, PVC (SOLID CORE), AND ABS PIPE.
 - PIPE BEDDING AND TRENCHING PER COK DETAILS SS-240, ST-20, ST-30, AND ST-40 ON SHEET C005. 4" OF TOPSOIL SHALL BE USED ON TOP OF UNPAVED TRENCHES.

- STORM / SANITARY CONSTRUCTION NOTES**
- INSTALL CLEANOUT IN HARDSCAPE AREA PER DETAIL SHEET C602.
 - INSTALL CLEANOUT IN SOFTSCAPE AREA PER DETAIL SHEET C602.
 - INSTALL NYLOPLAST 24" DRAIN BASIN WITH SOLID COVER PER DETAILS ON SHEET C605.
 - INSTALL ROOF DRAIN CONNECTION PER DETAIL ON SHEET C602.
 - INSTALL CLEANOUT IN SOFTSCAPE PER DETAIL ON SHEET C602. REPLACE TYPICAL CLEANOUT CAP WITH A 6-INCH DROP-IN GRATE PER DETAIL ON SHEET C606.
 - USE INLINE DRAIN CLEANOUT CONFIGURATION PER DETAILS ON SHEET C602.
 - INSTALL PERF FOOTING DRAIN, SEE STRUCTURAL PLANS.
 - FOUNDATION DRAIN CONNECTION POINT, REFER TO STRUCTURAL PLANS FOR CONTINUOUS FOUNDATION DRAIN AND GRAVEL BACKFILL.
 - INSTALL 4" SUMP DRAIN PIPE AT 2% MIN SLOPE. SEE COK DETAIL W-320 ON SHEET C609 FOR MORE INFORMATION.
 - CONNECT TO EXISTING STORM PIPE.
 - INSTALL NYLOPLAST 24" DRAIN BASIN WITH PEDESTRIAN GRATE PER DETAILS ON SHEET C606.
 - SEE MECHANICAL PLANS FOR CONTINUATION.
 - CONTRACTOR TO VERIFY TIE-IN AND CONNECT REPLACED SANITARY LINE WITHIN BUILDING TO EXISTING SANITARY LINE ON SITE. SEE MECHANICAL PLANS FOR MORE INFORMATION.

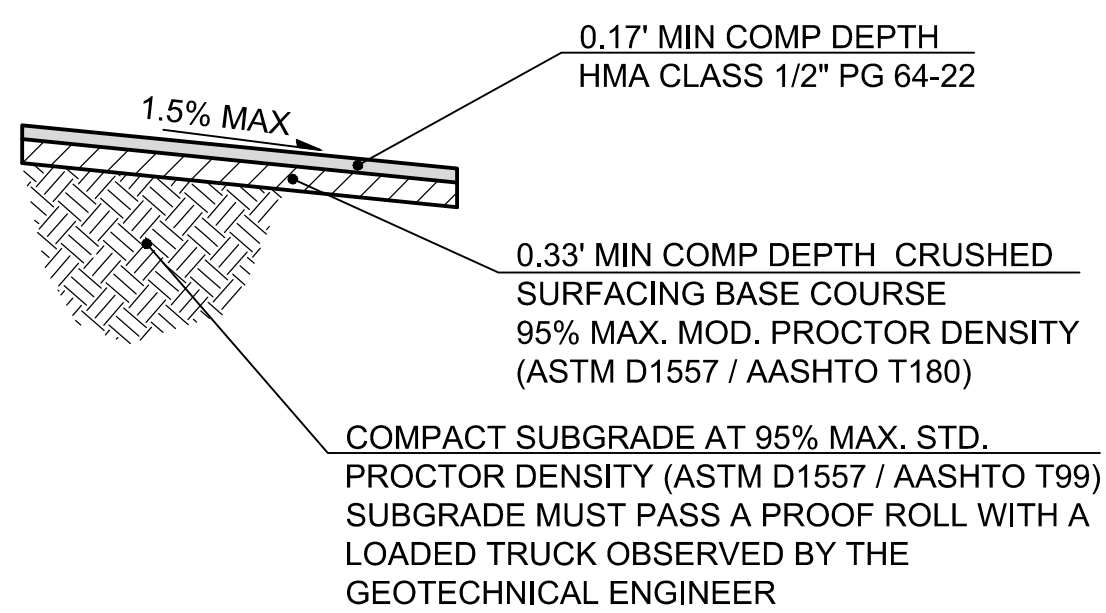
- MISCELLANEOUS UTILITY CONSTRUCTION NOTES**
- EXISTING IRRIGATION BOX AND ASSOCIATED PIPING TO BE RELOCATED AND RESTORED TO FULLY OPERATIONAL POST-COMPLETION OF THE AUXILIARY GYM IF SERVICE AREA IS TO REMAIN.
 - CONTRACTOR SHALL POT-HOLE AND CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING INFRASTRUCTURE, WHERE APPLICABLE. CONTRACTOR TO CONFIRM EXISTING LATERALS FROM THE BUILDING INDICATING TO BE REMAINED ARE MAINTAINED. IF CONFLICT EXISTS, CONTACT ENGINEER.
 - REPLACE APPROXIMATELY 30 LF OF 8" PIPE WITH 8" DUCTILE IRON PIPE FOR EACH UTILITY UNDER THE CHILLER PAD. CONTRACTOR TO DETERMINE PIPE HAS MIN 0.5% SLOPE TO THE SOUTH. IF MINIMUM SLOPE IS NOT DISCOVERED, CONTACT ENGINEER.

- WATER CONSTRUCTION NOTES**
- AFTER TESTING AND APPROVAL, CONNECT TO EXISTING 10" DI WATER MAIN PER COK STANDARD DETAIL W - 260 ON SHEET C609.
 - INSTALL DOUBLE CHECK DETECTOR ASSEMBLY, LARGE, BELOW GROUND PER COK STANDARD DETAIL W - 360-K ON SHEET C609.
 - INSTALL FDC PER BIDDER DESIGN.
 - CONNECT TO BUILDING SYSTEM. SEE MECHANICAL PLANS FOR CONTINUATION.
 - INSTALL:
(1) 90°, 45°, OR 22.5° MJ BEND WITH MJ RESTRAINTS.
(1) THRUST BLOCK PER COK DETAILS W-220 & W-230 ON SHEET C609.
 - INSTALL 6" DUCTILE IRON PIPE (DIP).
 - INSTALL 6" C900 PIPE.
 - INSTALL 1" WATER LINE. SEE MECHANICAL PLANS FOR MATERIAL TYPE AND CONTINUATION AT PROPOSED AND EXISTING BUILDINGS.
 - CONTRACTOR TO VERIFY TIE-IN AND CONNECT REPLACED WATER LINE WITHIN BUILDING TO EXISTING WATER LINE ON SITE. SEE MECHANICAL PLANS FOR MORE INFORMATION.

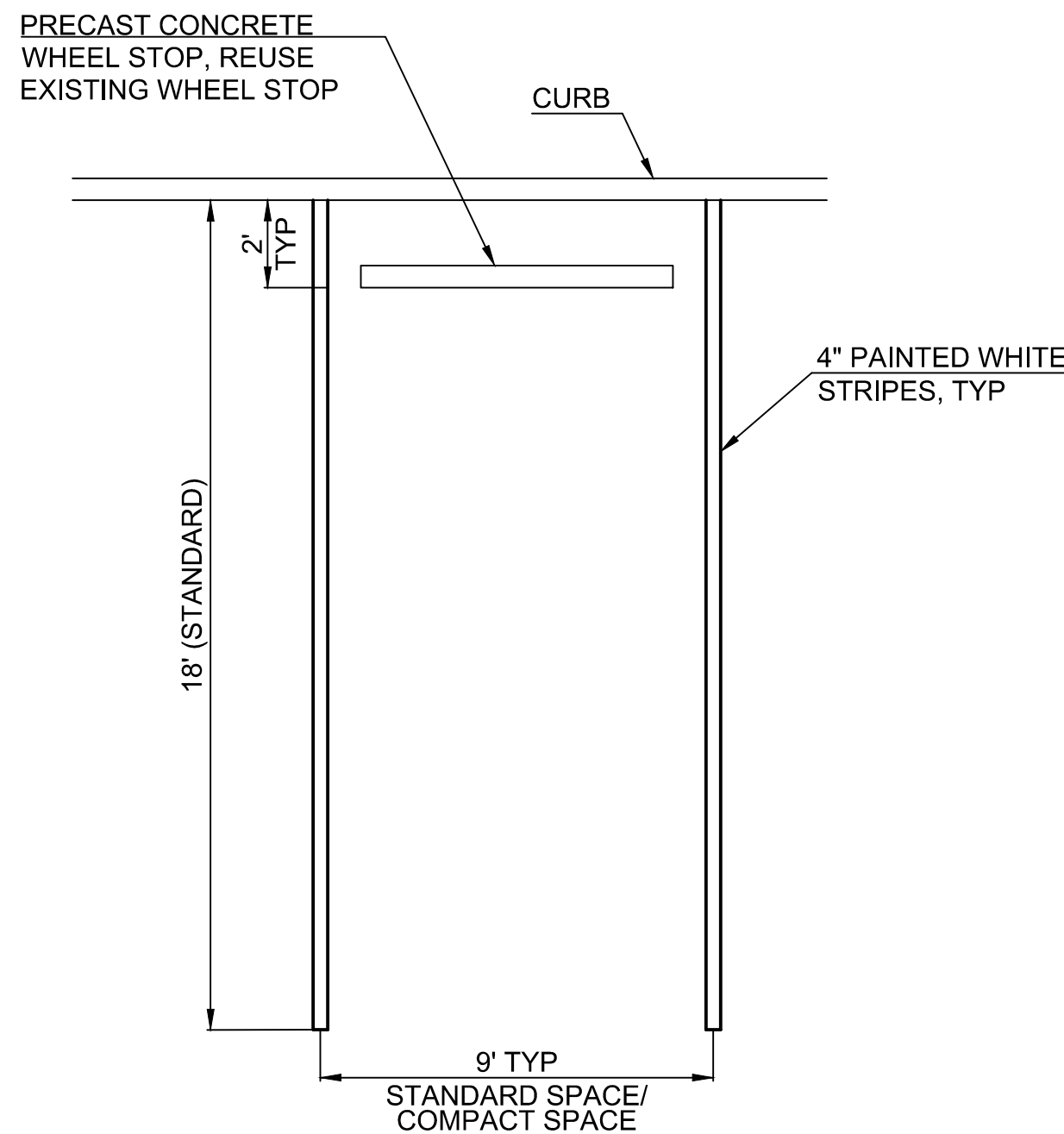




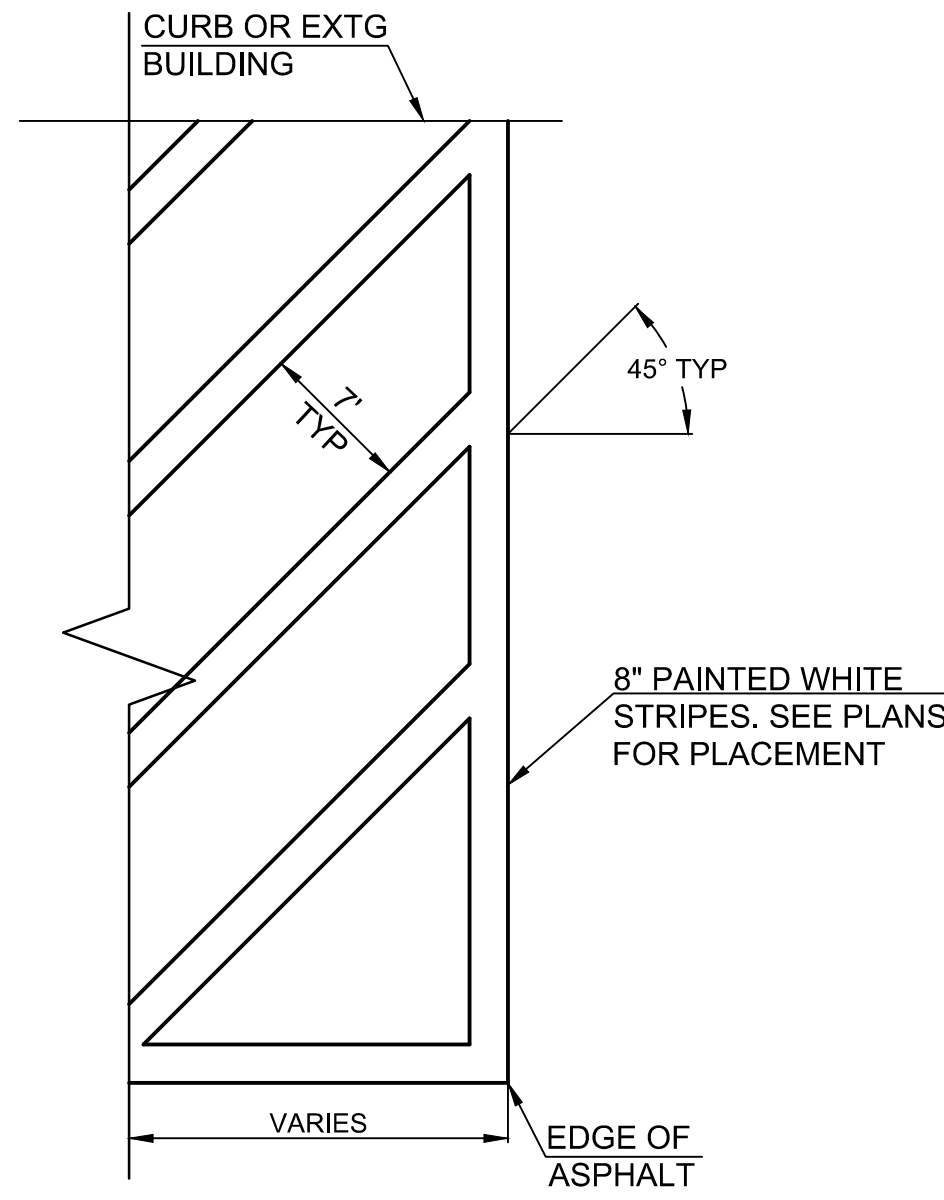
Vehicle Asphalt
Typical Section
NTS



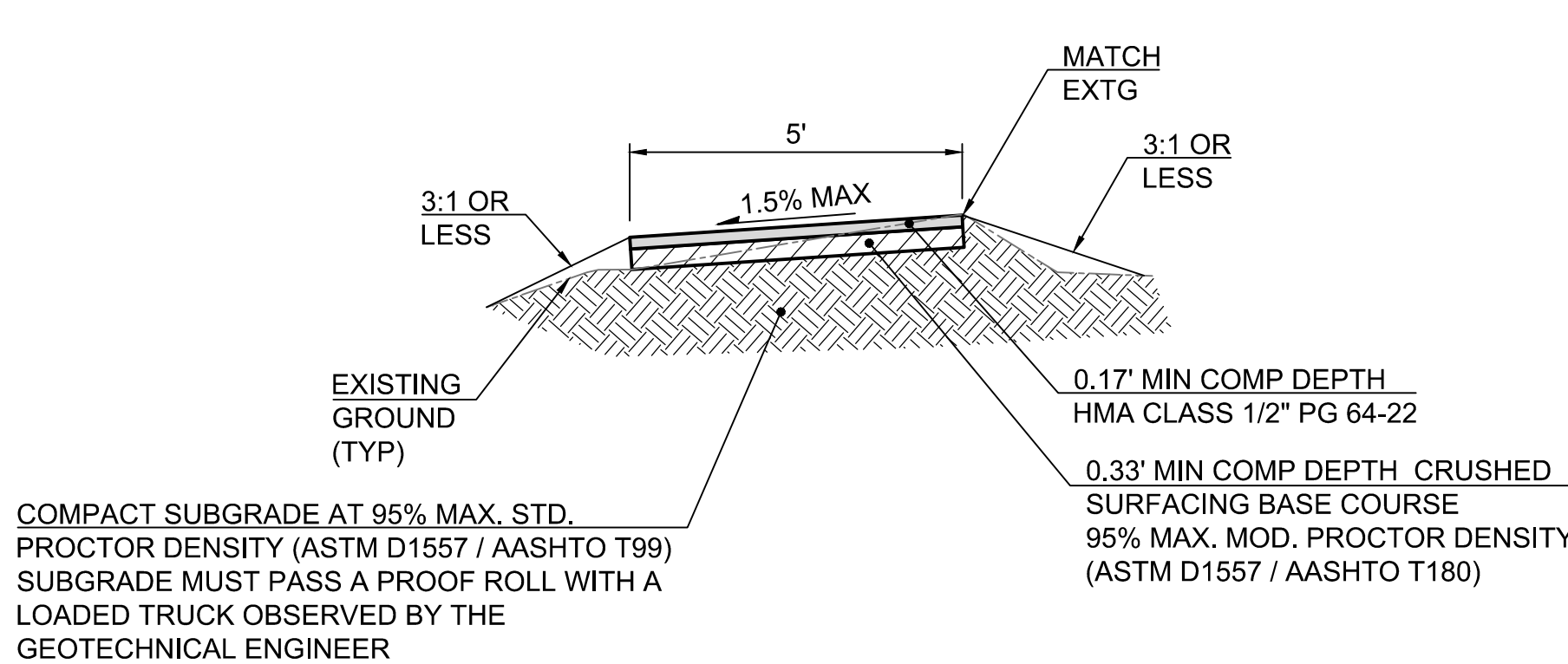
Pedestrian Asphalt
Typical Section
NTS



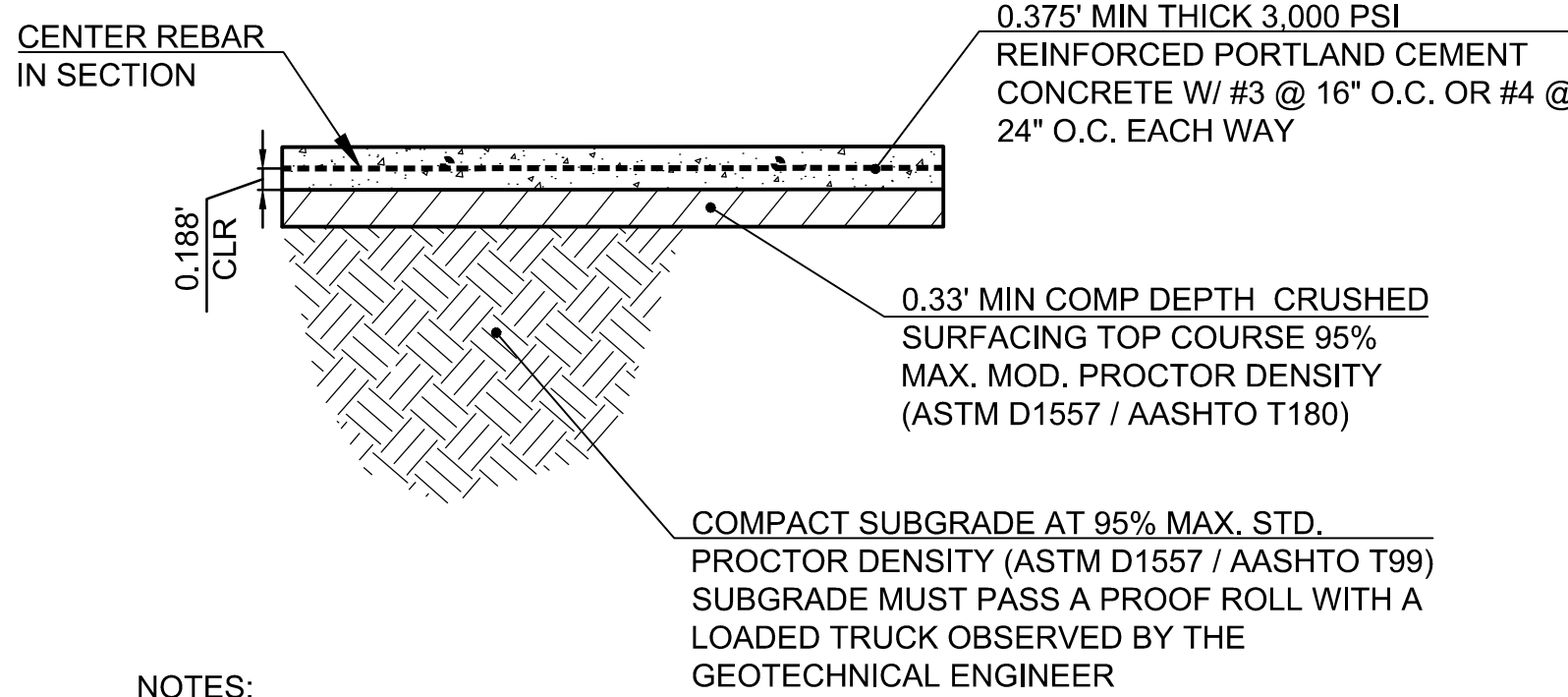
Parking
Striping Detail
NTS



No-Parking Pedestrian/Fire Area
Striping Detail
NTS



Pedestrian Trail
Typical Section
NTS



NOTES:
1. CONCRETE MIX (COMMERCIAL MIX) 3000 P.S.I.
2. SEE ARCHITECTURAL PLANS FOR SCORING AND
FINISHING.

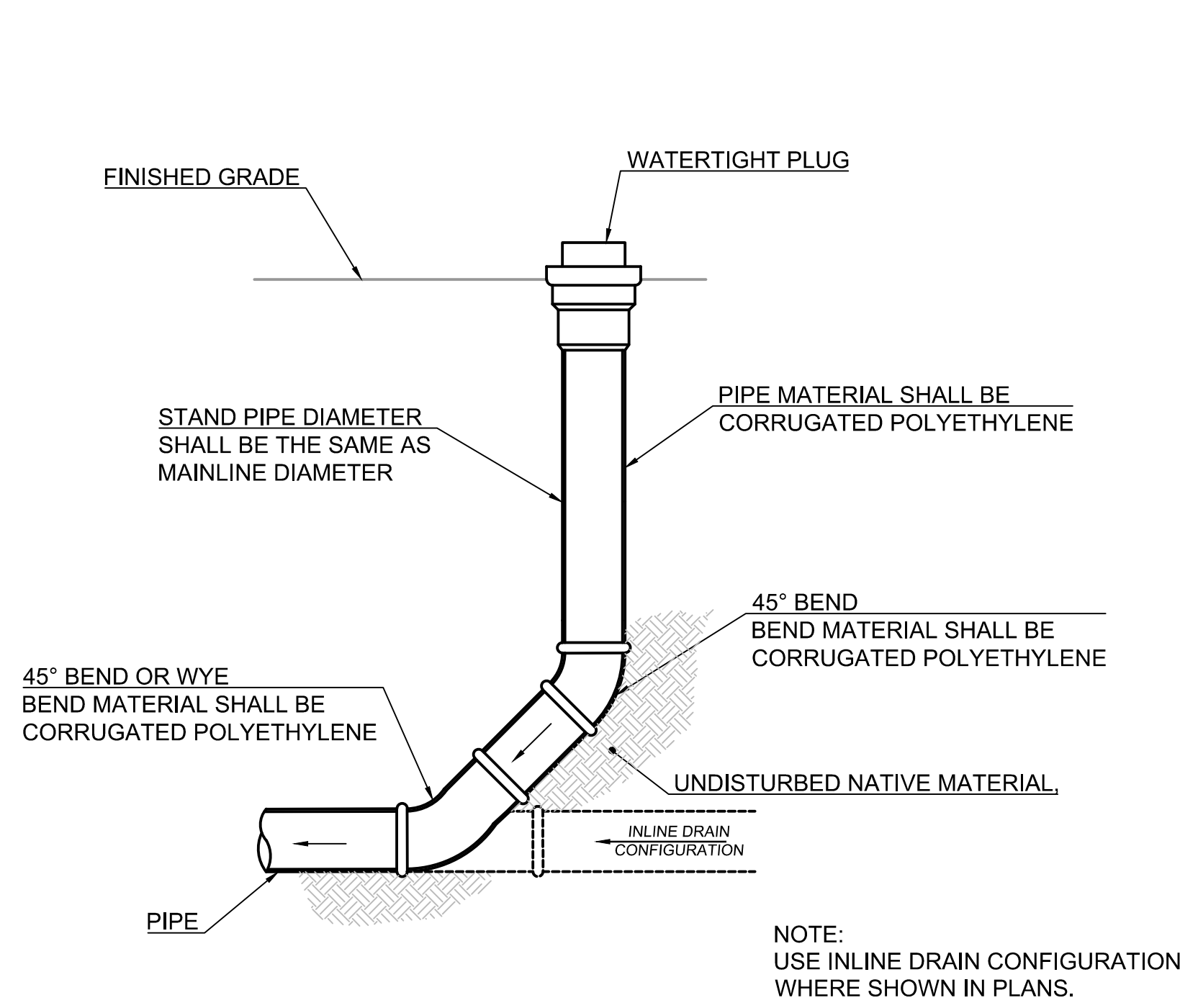
Plaza Concrete
Typical Section
NTS

Date:	5.28.2021
Job No.:	21938.00
Drawn By:	PVR / ANW
Checked by:	EAP
Revisions	
#	Date Description

MISCELLANEOUS
DETAILS

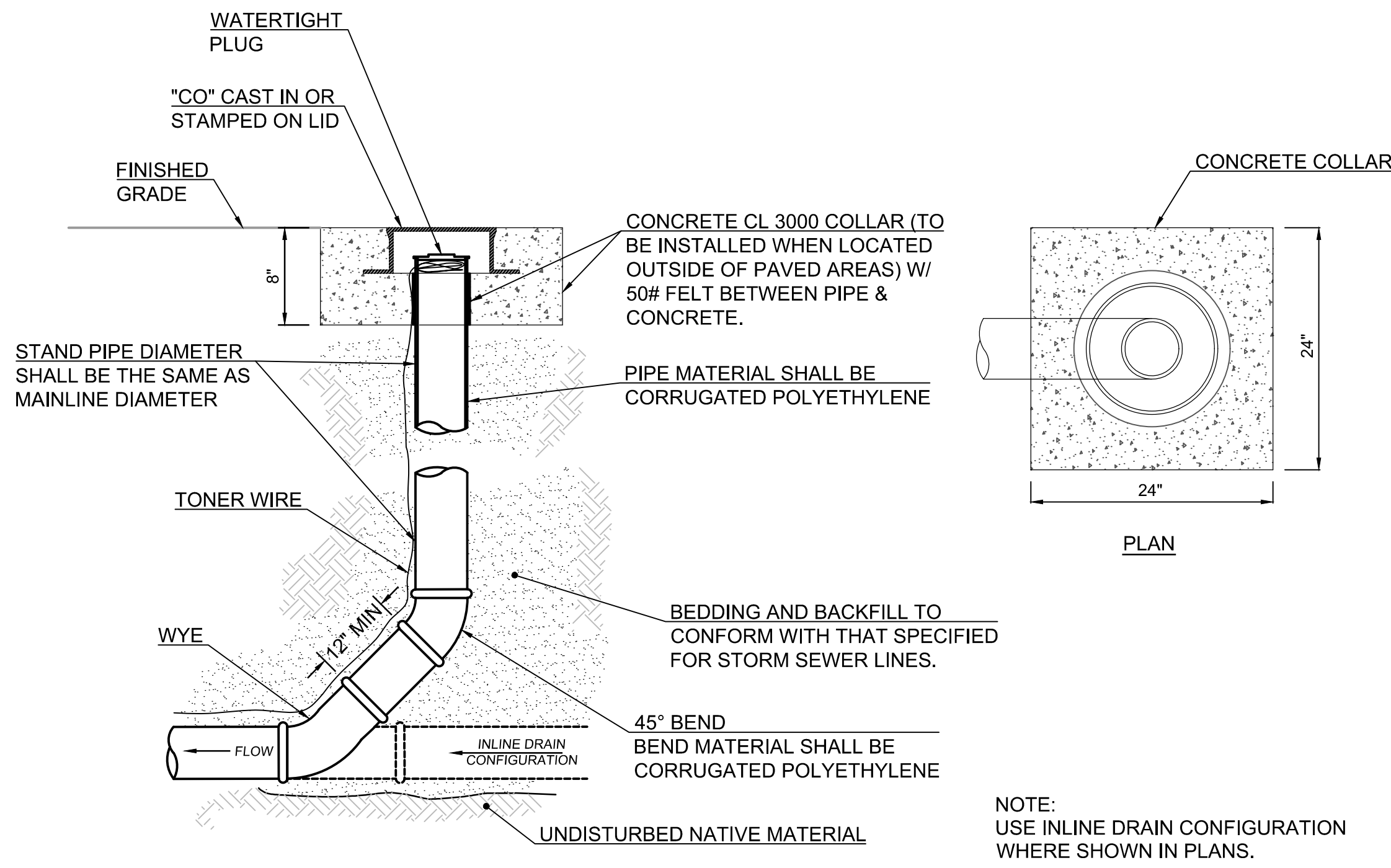
PRELIMINARY
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C601



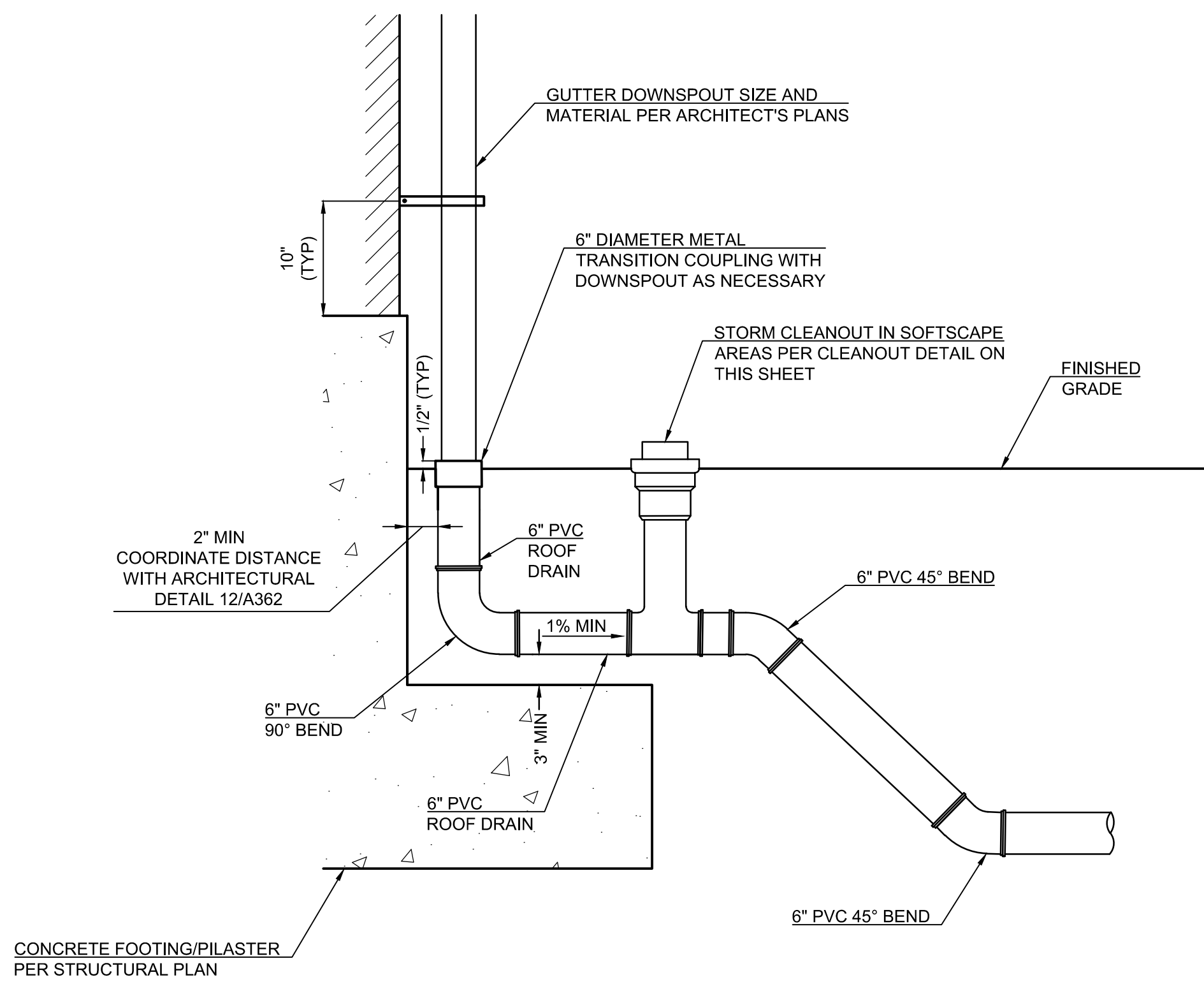
Storm Cleanout in
Softscapes Detail

NTS



Storm Cleanout in
Hardscapes Detail

NTS



Roof Drain Connection

NTS

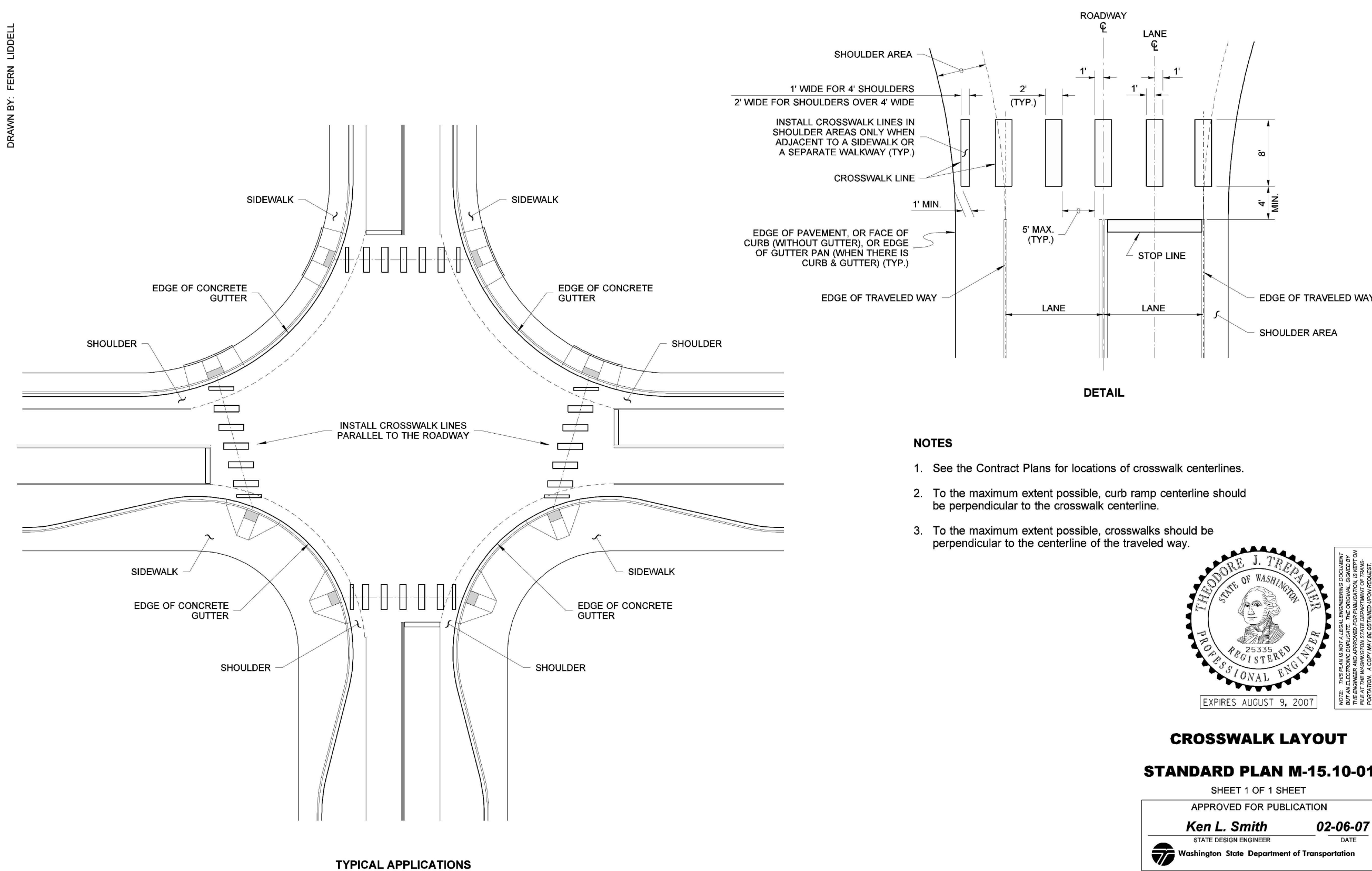
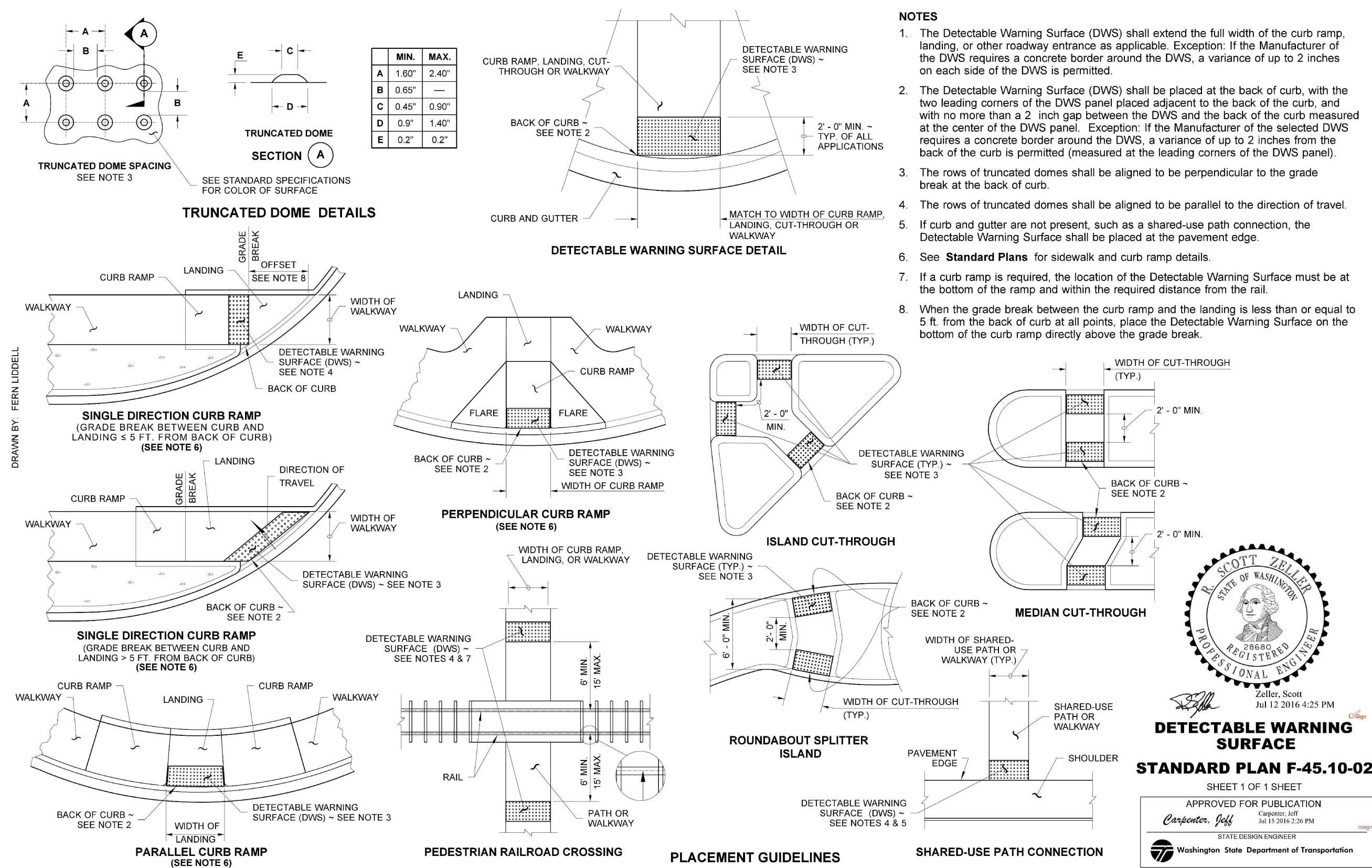
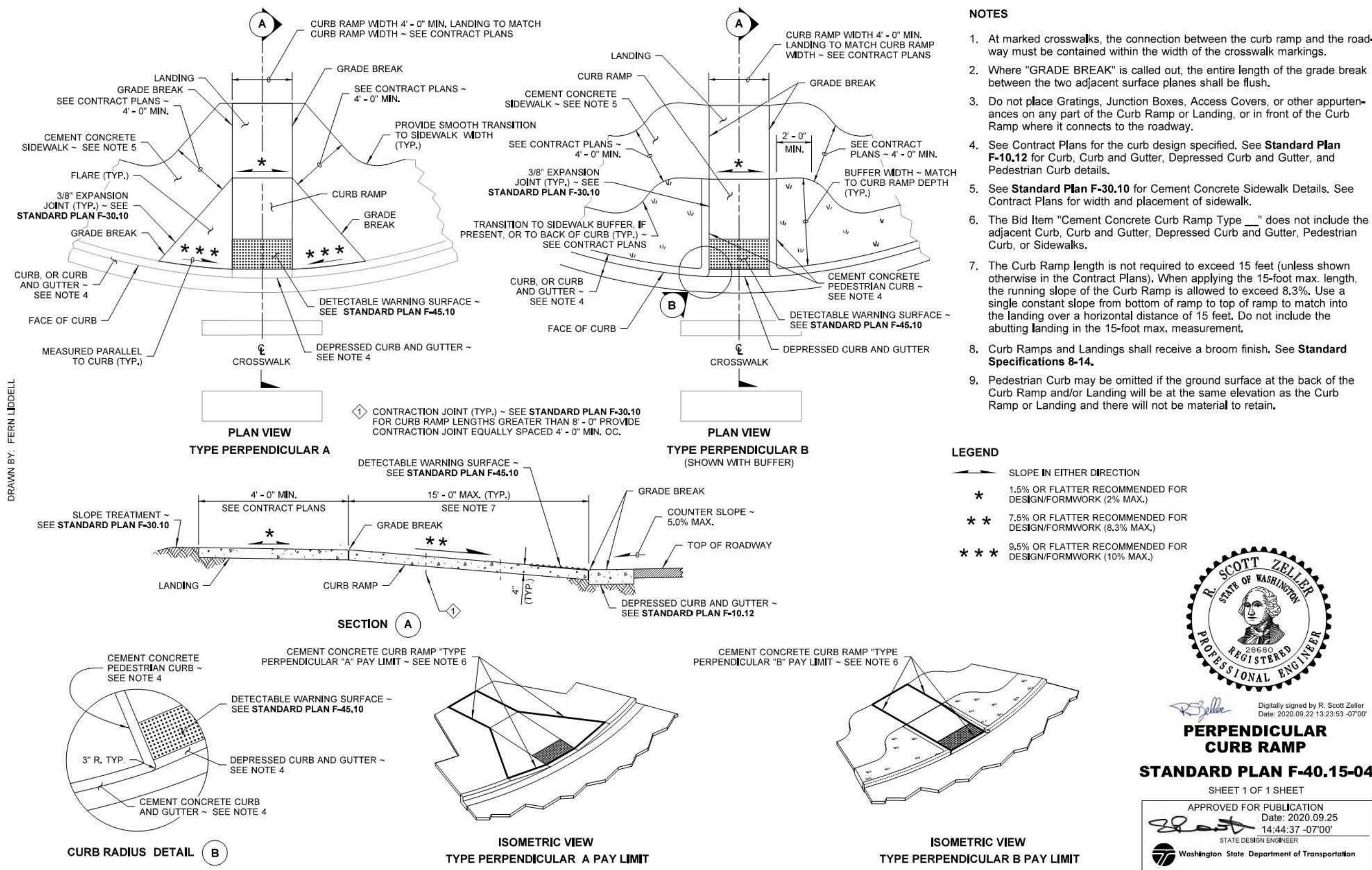
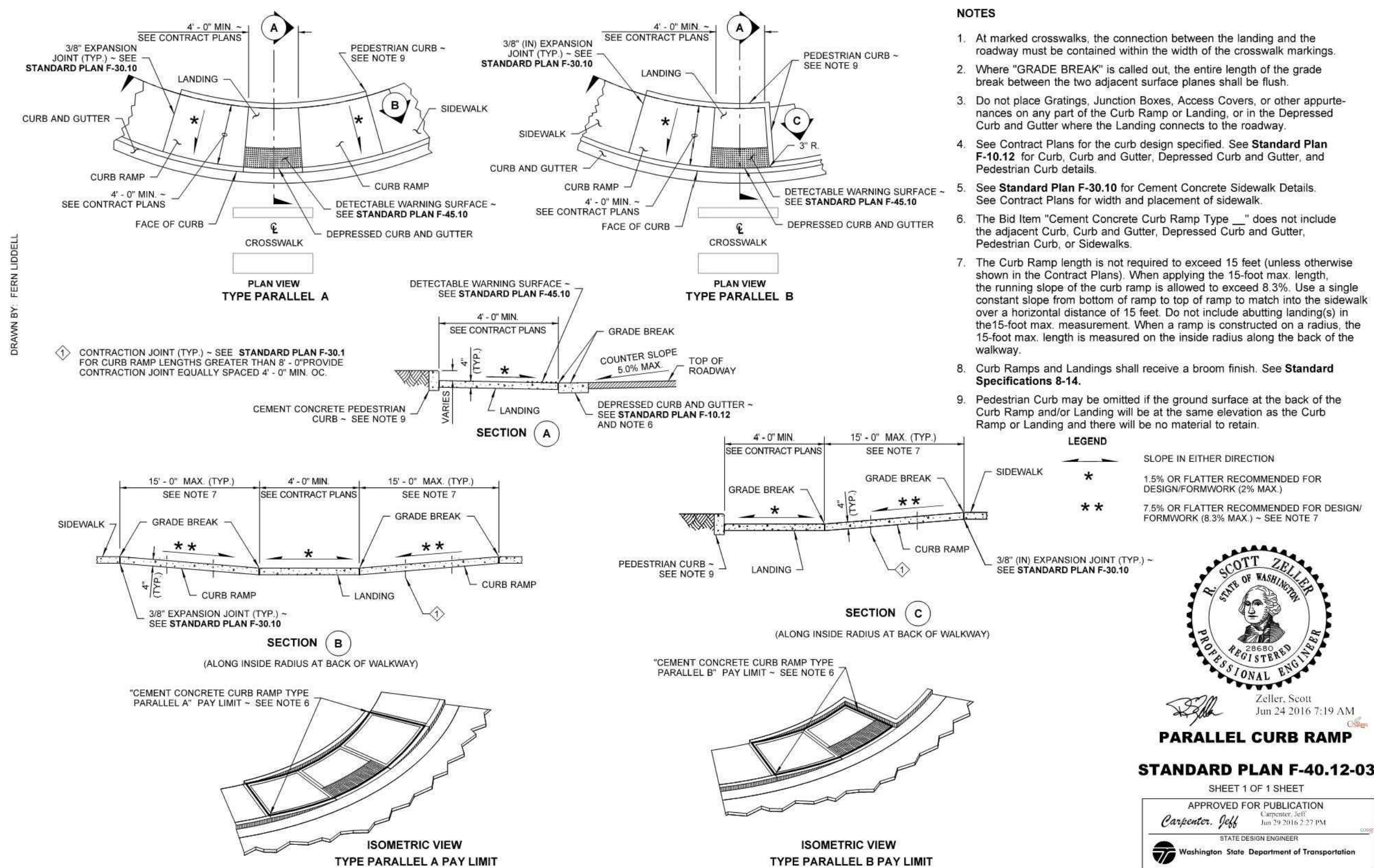
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	5.28.2021
Job No.:	21938.00
Drawn By:	PVR / ANW
Checked by:	EAP
Revisions	
#	Date Description

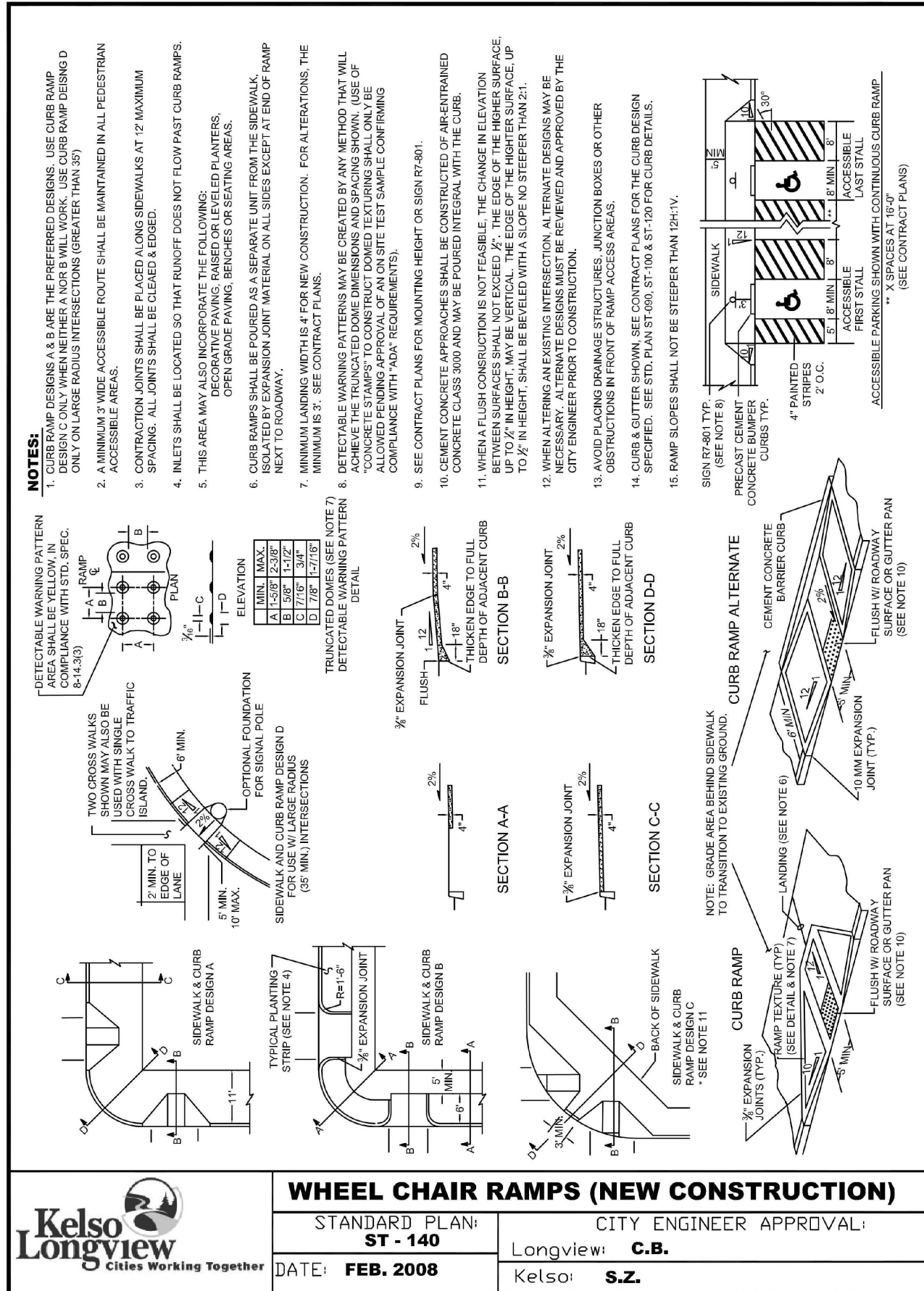
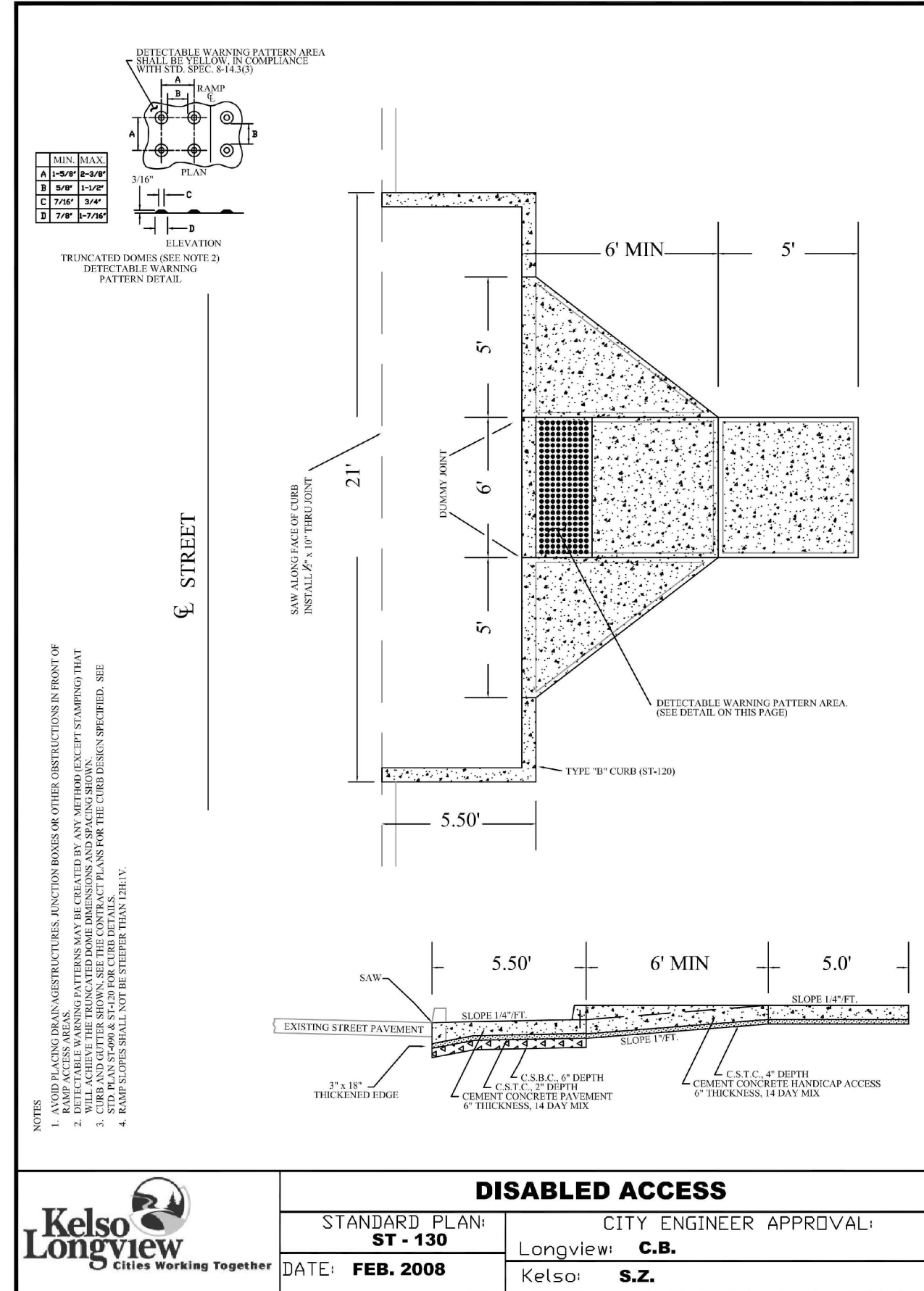
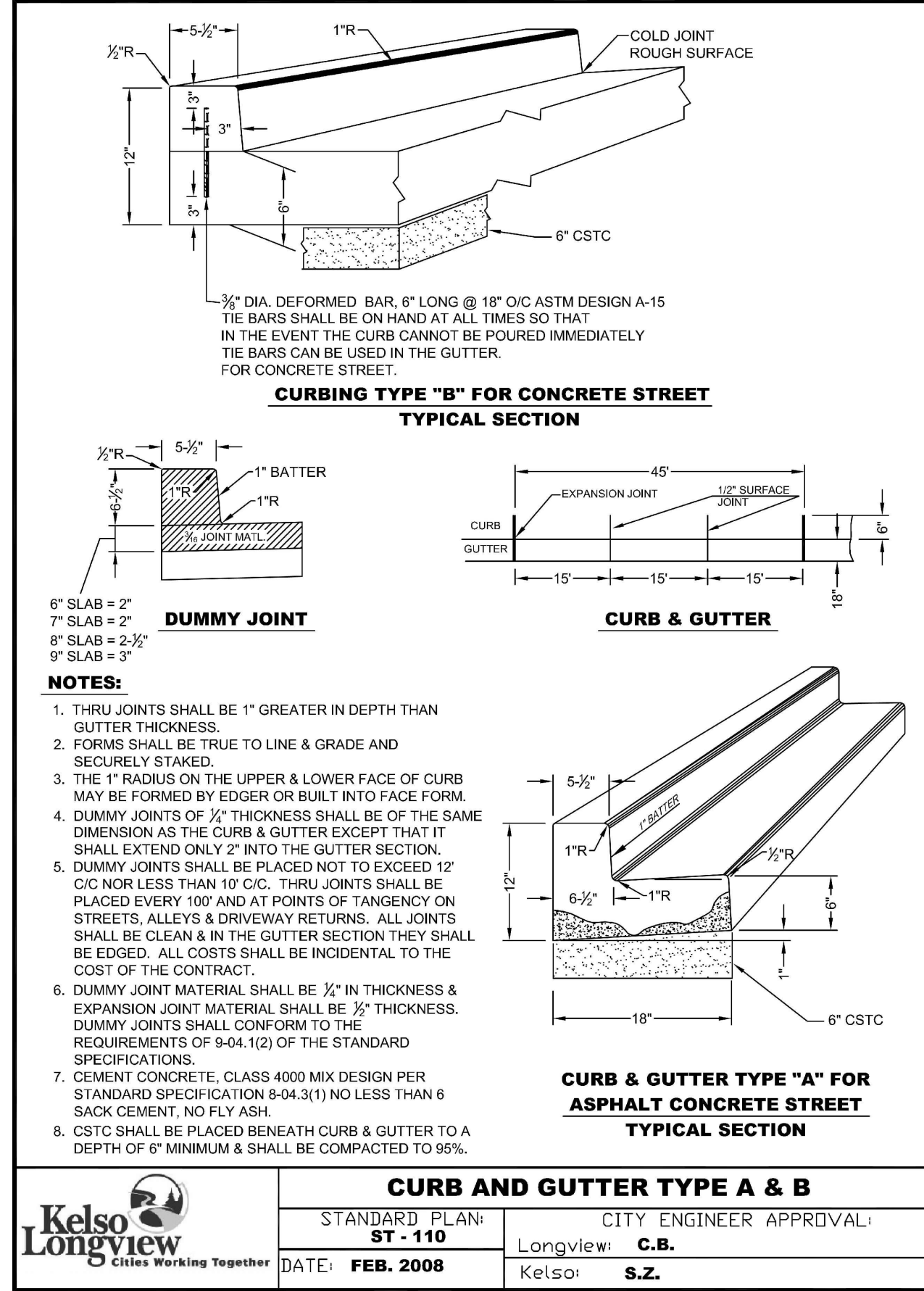
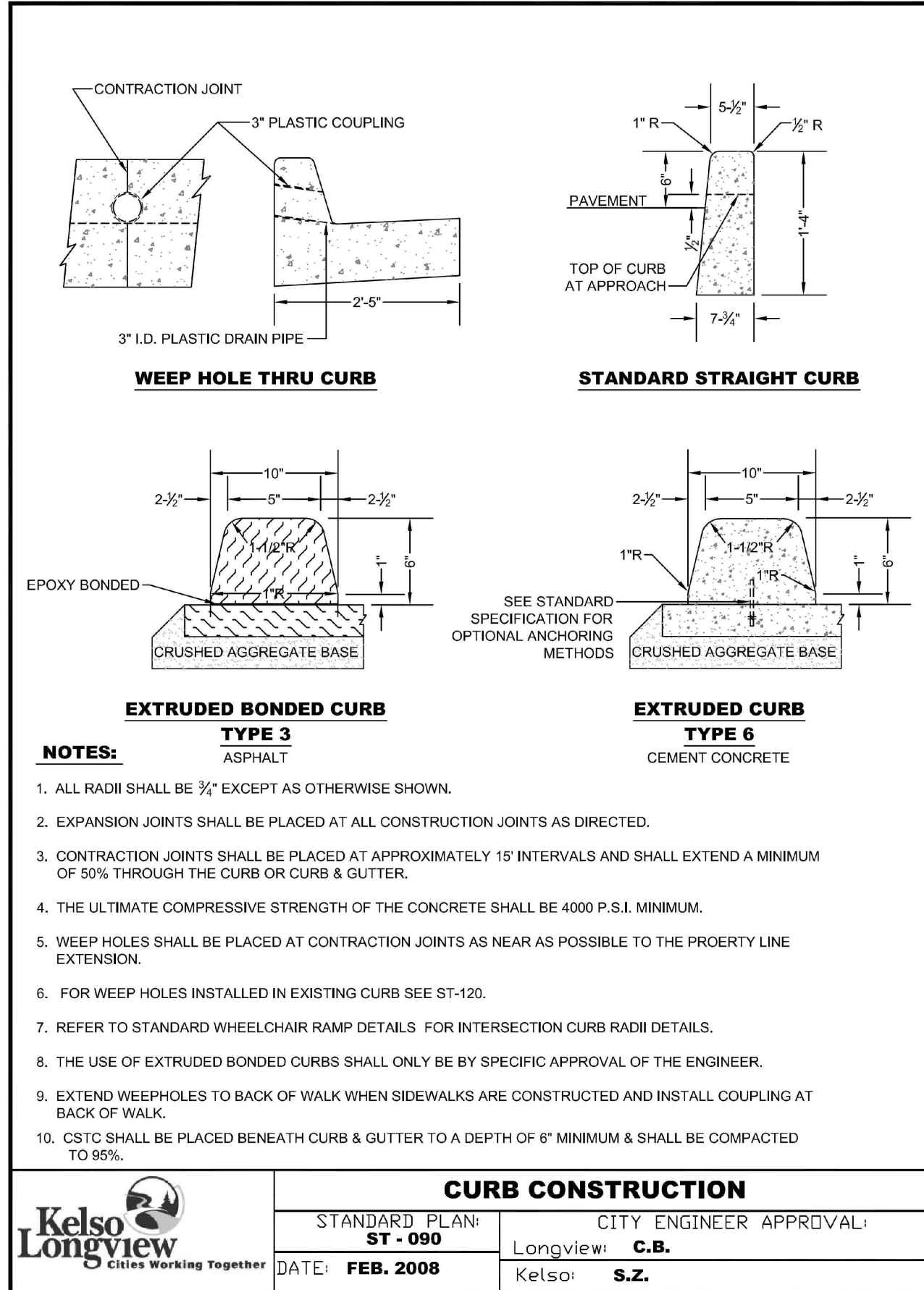
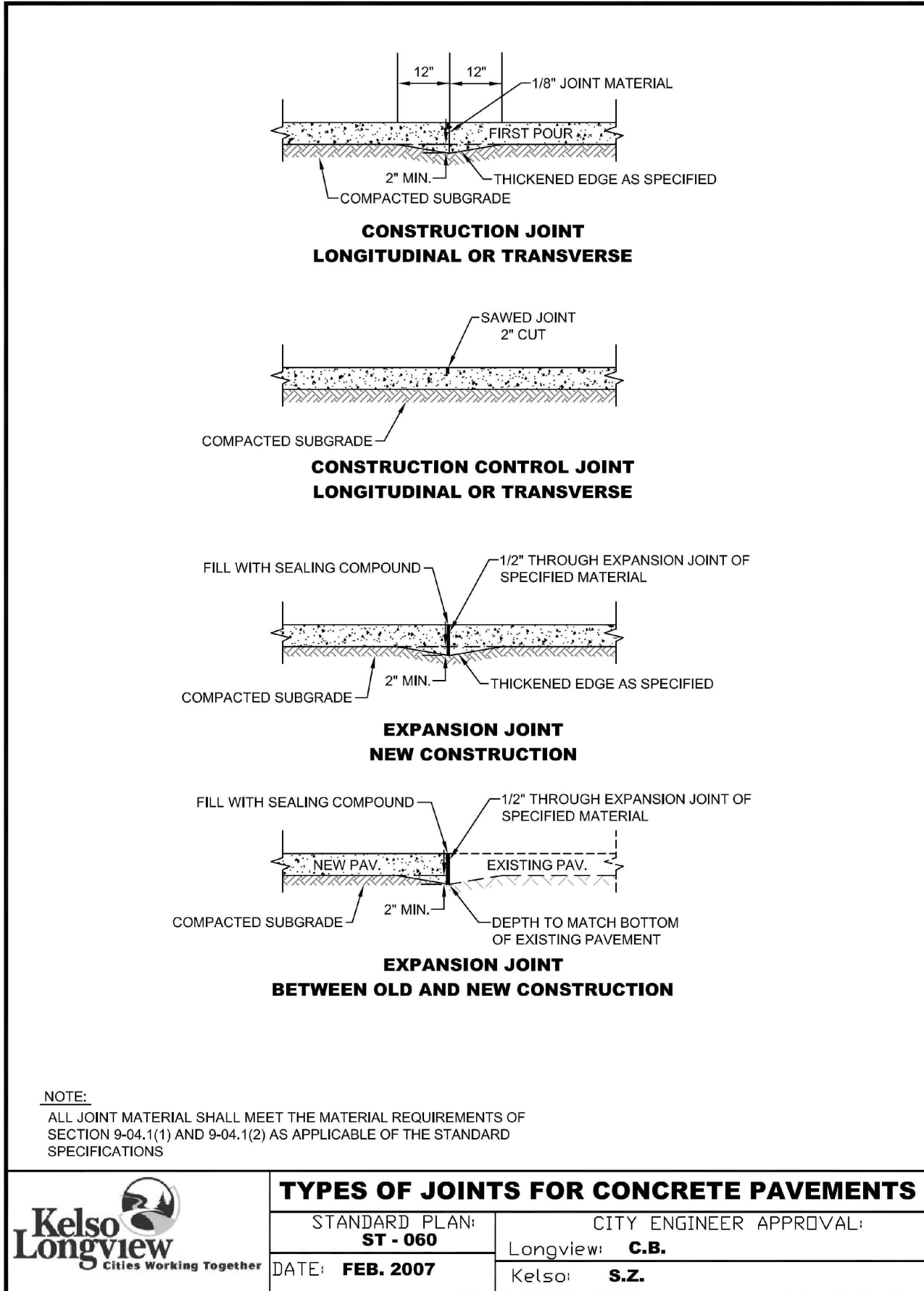
STANDARD
STREET DETAILS

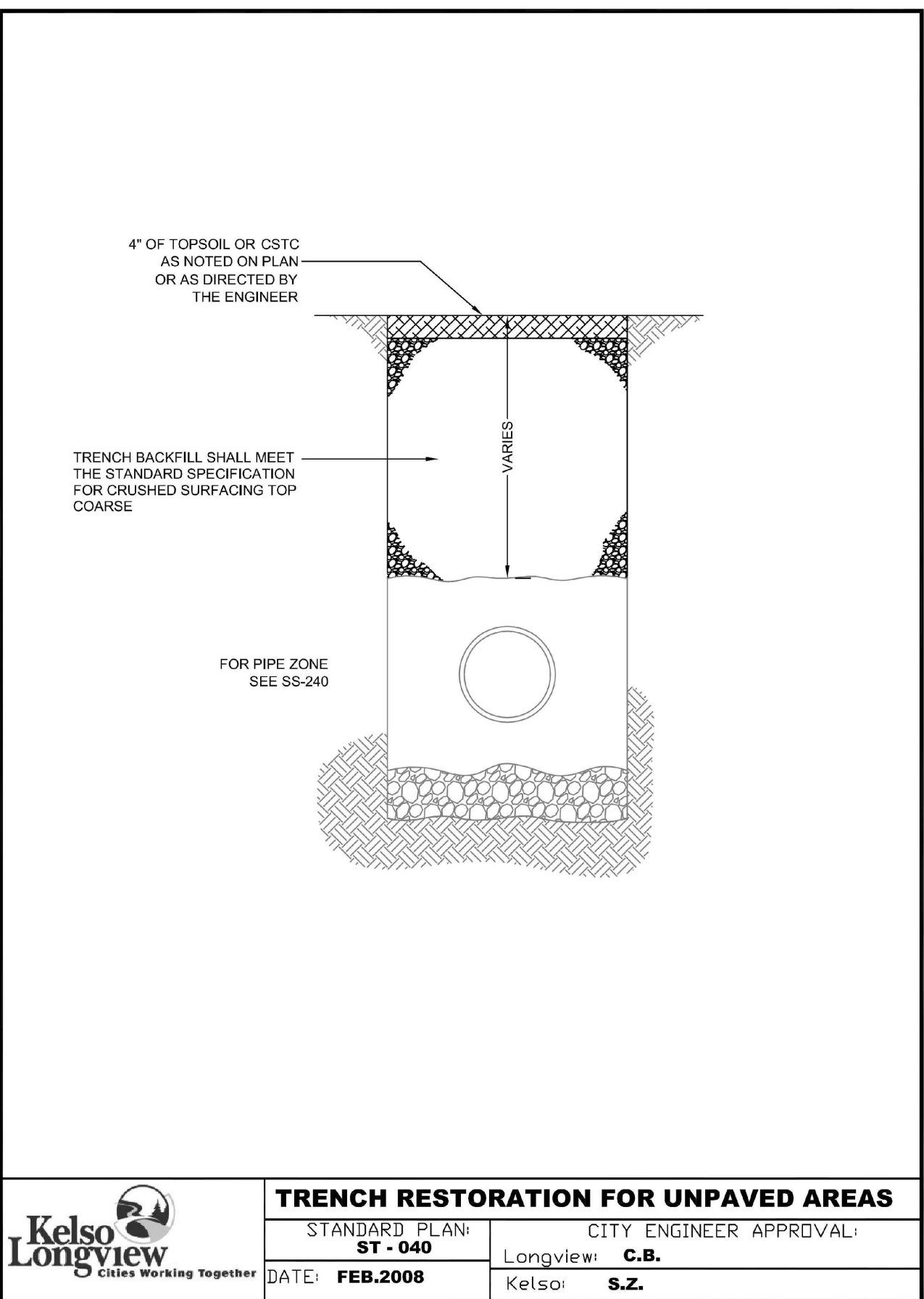
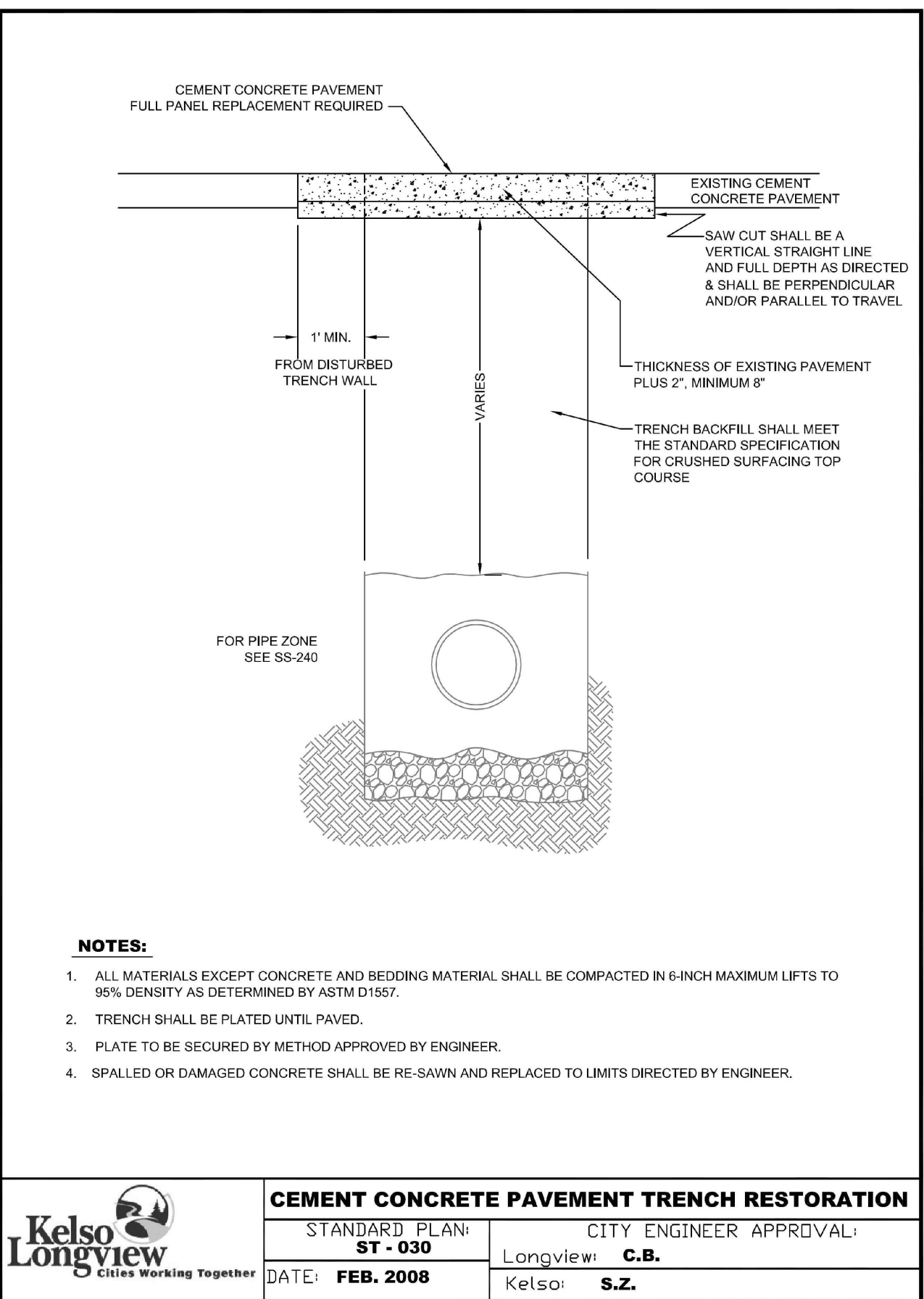
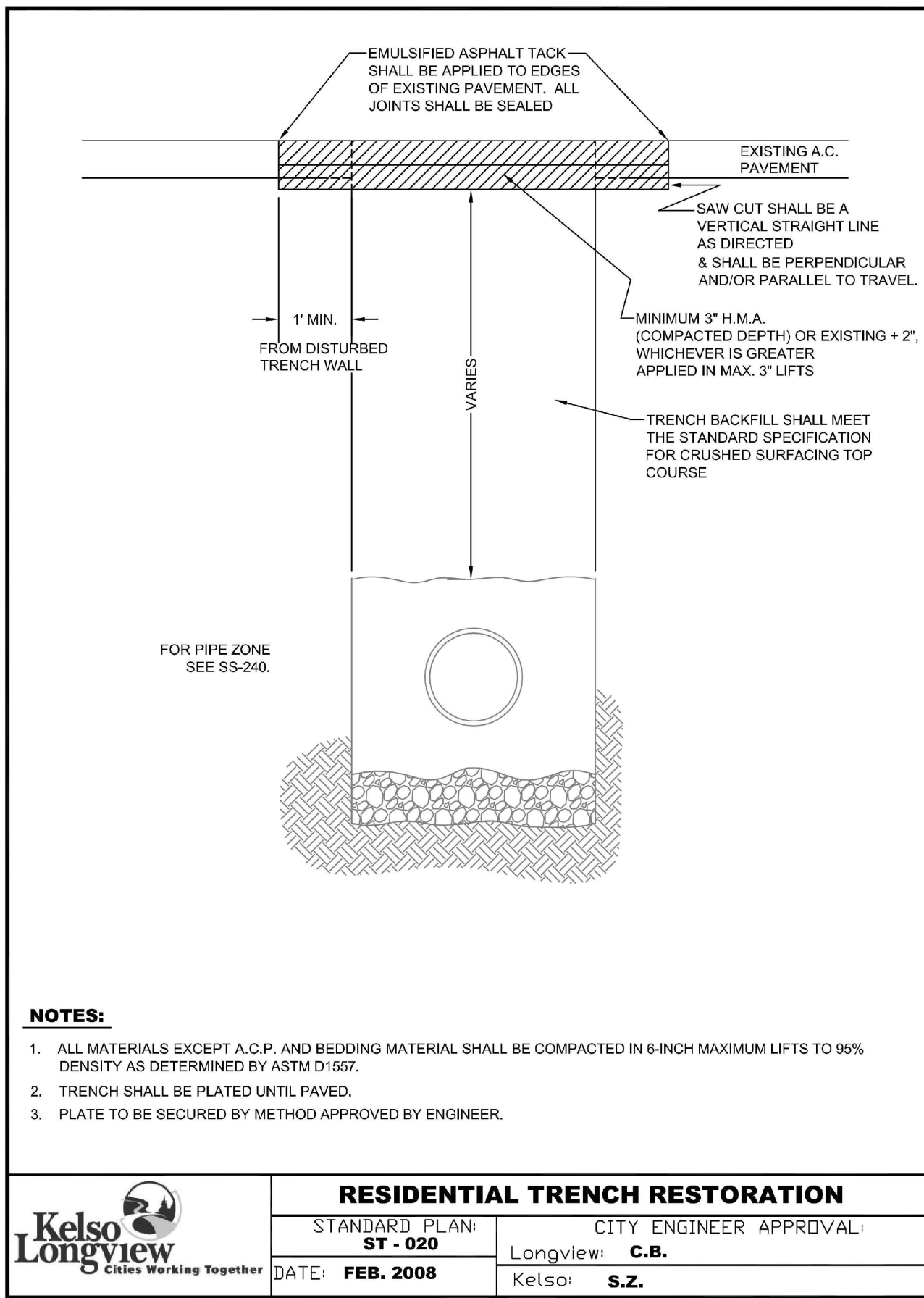
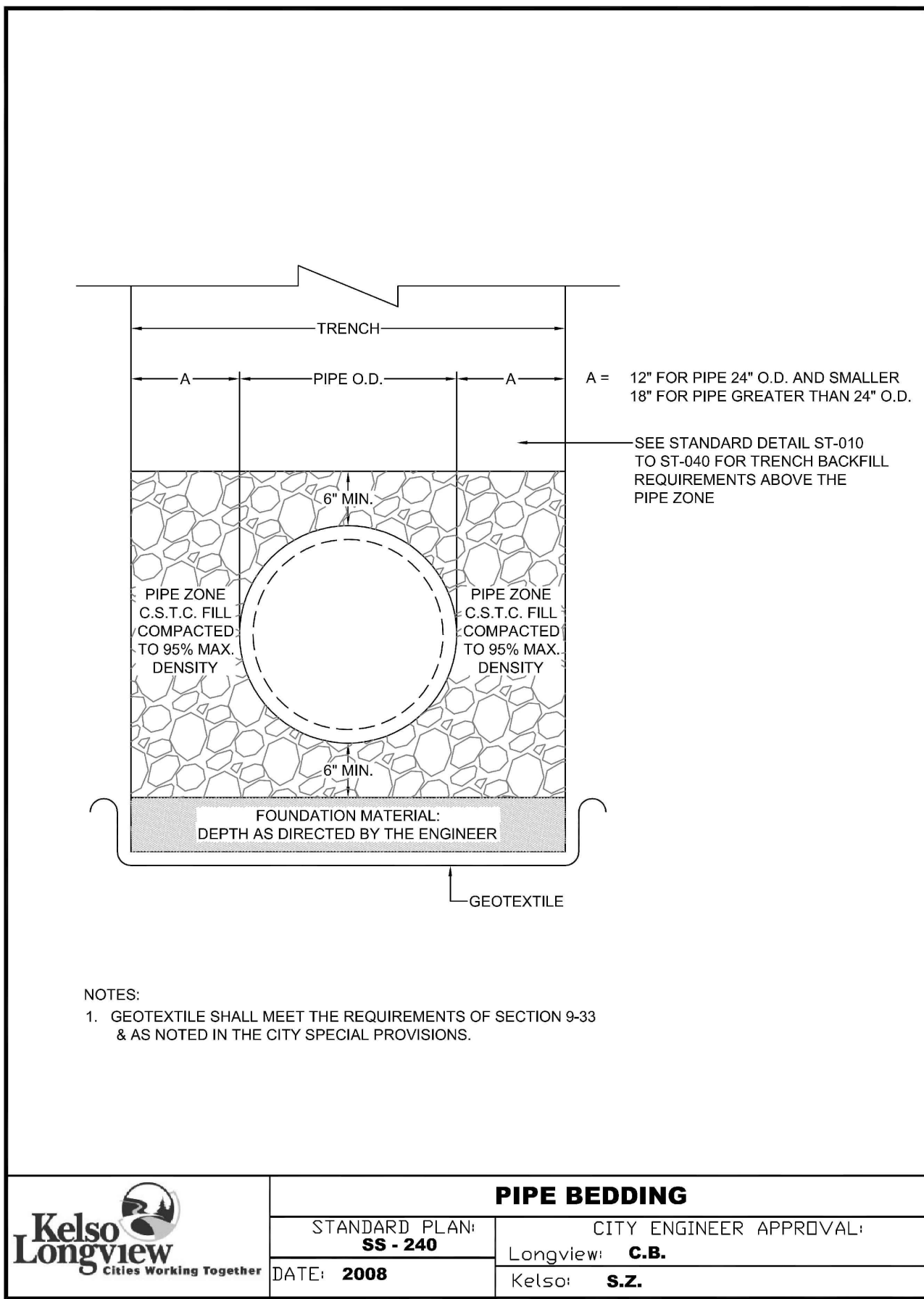
C603

PRELIMINARY
SUBJECT TO AGENCY REVIEW
NOT FOR CONSTRUCTION
BID SET



PRELIMINARY
SUBJECT TO AGENCY REVIEW
NOT FOR CONSTRUCTION
BID SET





PRELIMINARY
SUBJECT TO AGENCY REVIEW
NOT FOR CONSTRUCTION
BID SET

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	5.28.2021
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BEDDING AND
TRENCHING
STANDARD
DETAILS

C605

Engineered Surface Drainage Products

PVC surface drainage inlets shall include the drain basin type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

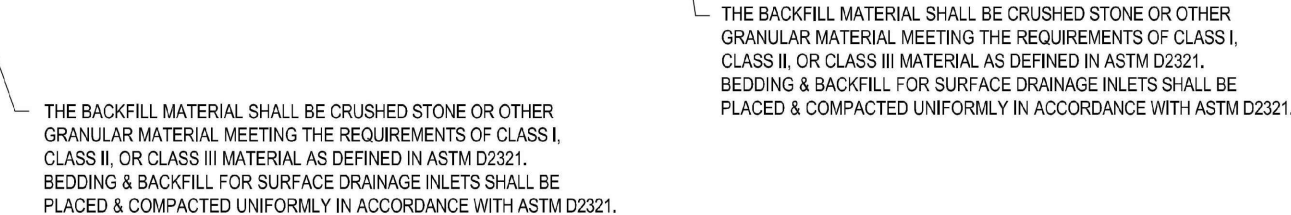
The drain basins required for this contract shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. The flexible elastomeric seals shall conform to ASTM F477. The pipe bell spigot shall be joined to the main body of the drain basin at catch basin. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.

specifically for each basin so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for drain basins shall be capable of supporting various wheel loads as specified by Nytoplast. 12" and 15" square grates will be hinged to the frame using pins. Ductile iron used in the manufacture of the castings shall conform to ASTM A536 grade 70-50-05. Grates and covers shall be provided painted black.

The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in [ASTM D3231](#). Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with [ASTM D3231](#). The drain basin body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For load rated installations, a concrete slab shall be poured under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fine, ground water, and soft foundations refer to [ASTM D3231](#) guidelines.

Nyloplast
 TITLE
 8 IN - 36 IN DRAIN BASIN SPECIFICATIONS
 DWG NO. 7001-116-011 REV J

INLINE DRAIN



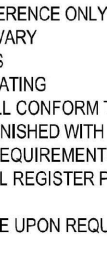
		3138 VERONA AVE BUFORD, GA 30511 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-usa.com	
TITLE		DRAIN BASEN & INLINE DRAIN NON TRAFFIC INSTALLATION	
DWG NO.	7061-110-111	REV	E

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	2469CGP	7001-115-216
STANDARD	MEETS H-20	2469CGS	7001-115-217
SOLID COVER	MEETS H-20	2469CGC	7001-115-218
DOME	N/A	2469CGD	7001-115-219
DROP IN GRATE	LIGHT DUTY	2401GI	7001-115-075

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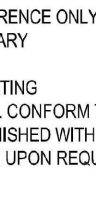
 <p>Nyloplast</p>	<p>3130 VERRONA AVE BUFFORD, CA 95515 PHN (773) 932-2443 FAX (773) 932-2498 www.nyloplast-usa.com</p>
<p>TITLE</p>	
<p>24 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL</p>	
<p>DWG NO.</p>	<p>7061-119-192</p>
<p>REV</p>	<p>E</p>

APPROX. DRAIN AREA = 164.10 SQ IN
APPROX. WEIGHT WITH FRAME = 99.50 LBS



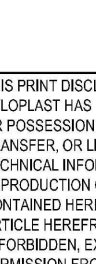
Nyloplast
 TITLE
 24 IN PEDESTRIAN GRATE ASSEMBLY - TYPE B
 DWG NO. 7061-110-210 REV C

APPROX. WEIGHT WITH FRAME = 138.00 LBS



		3130 VERONA AVE BUFORD, GA 30511 PHN (770) 532-2443 FAX (770) 532-2490 www.nyloplast-us.com
TITLE 24 IN SOLID COVER ASSEMBLY - TYPE B		
DWG NO.	7801-110-218	REV C

APPROX. DRAIN AREA = 9.68 SQ. FT.
APPROX. WEIGHT = 3.54 LBS.



		3130 VERONA AVE BLUFORD, CA 95058 PHN (778) 932-2443 FAX (778) 932-3498 www.nyloplast-us.com	
TITLE		6 IN DROP IN	
DWG NO.	7061-118-018	REV	0

WATER NOTES:

7-09 WATER MAINS

Section 7-09.2: Materials

Paragraph 1 is replaced with the following:

Materials shall meet the following sections:

Pipe	9-30.1
Ductile Iron Pipe (Restrained Joint)	9-30.1(1)
Fittings	9-30.2
Ductile Iron Pipe	9-30.2(1)
Restrained Joints	9-30.2(6)
Bolted Sleeve-Type Couplings for Plain End Pipe	9-30.2(7)
Valves	9-30.3
Gate Valves (3 inches to 10 inches)	9-30.3(1)
Butterfly Valves (12 inches and greater)	9-30.3(3)
Valve Boxes	9-30.3(4)
Valve Marker Posts	9-30.3(5)
Valve Stem Extension	9-30.3(6)
Combination Air Release Valves	9-30.3(7)
Tapping Sleeve and Valve Assembly	9-30.3(8)
Hydrants (All bolts and nuts to be stainless steel with Anti-seize Compound)	9-30.5
Service Connections (2 inches and Smaller)	9-30.6

All Ductile Iron Pipe, fittings and appurtenances shall have restrained joints by the use of Mega-Lugs, Romac Grip Rings, Field-Lock gaskets, or approved equal.

Bolts and nuts for flanged pipe and fittings shall conform in size and length with ANSI/AWWA C115/A21.15. All bolts and nuts shall be made from COR-TEN steel in accordance with ANSI/AWWA C115/A21.11.

All fittings to have thrust blocks as indicated in City Standard Plans.

Note: The City reserves the right for any or all salvage rights to any existing materials removed including but not limited to fire hydrants, crosses, tees, gate valves or pipe.

It shall be determined by the City as to what materials will be salvaged.

Any material requested for salvage will be delivered by the contractor to the City's operation center as directed by the City.


All costs associated with delivery or removal and disposal shall be borne by the contractor.

7-09.3 Construction Requirements

Section 7-09.3(5): Grade and Alignment

This section is supplemented with the following:

A minimum horizontal separation of 10 feet between sanitary sewers and any existing potable water lines, and a minimum vertical separation of 18 inches between the bottom of the water line and the crown of the sewer, shall be maintained. The distance shall be measured edge to edge. Sewer line should be lower than water line and installed in separate trenches.

	WATER SPECIFICATIONS (1 OF 5)			
	STANDARD PLAN:	CITY ENGINEER APPROVAL:		
	W - 700	Longview:	C.B.	
	DATE: FEB. 2008	Kelso:	S.Z.	

Section 7-09.3(9): Bidding the Pipe

Sentence 1 is replaced with the following:

Bidding material shall be select granular material free from wood waste, organic material, and other extraneous or objectionable materials and shall be CSTC.

Trace Wire

Trace wire shall be installed on all water mains and smaller service lines with a lay length of more than 6 feet. The wire shall be attached to the lines at 15 foot intervals and shall be brought to the surface at all junctions and termini using methods approved by the Engineer. Trace wire material for water lines shall be 12 Gauge, soft draw, insulated, and shall be blue in color.

Splices shall be made with a kit containing a "T" shaped open cell centering device and a plastic bag of urethane and hardener which is mixed at the time of installation or heat shrinkable insulating tubing. Heat shrinking insulating tubing shall consist of a mastic lined heavy wall polyolefin cable sleeve. The resin used with the "T" shaped open cell centering device shall be a quick curing flexible compound with an approximate set-up time of 4 minutes at 72° F. A continuity test shall be performed on tracer wire with inspector present prior to paving roadway.

7-09.3(19) Connections

Section 7-09.3(19) A: Connections to Existing Mains

Paragraphs 1, 4, 5, and 6 are replaced with the following:

Connections to the existing water main shall not be made without first making the necessary arrangements with the City Water/Sewer Department in advance. Work shall not be started until the existing main has been potholed to determine the materials, equipment, and labor necessary to properly complete the work. All the materials, equipment, and labor necessary to properly complete the work shall be assembled on the site before work is started. Torque tighten all non-test bolts.

Once work is started on a connection, it shall proceed continuously without interruption, and as rapidly as possible until completed. No shutoff of mains will be permitted overnight, over weekends, on Mondays or Fridays, or on holidays. The Water/Sewer Superintendent must be notified a minimum of 48 hours prior to any shutoff and must give approval prior to the shutoff taking place.

If the connection to the existing system involves turning off the water, the Contractor shall be responsible for notifying the residents affected by the shutoff a minimum of 48 hours prior to the shutoff. The Water/Sewer Superintendent will advise which property owners are to be notified.


Connections must be performed between 8:00 a.m. and 4:00 p.m. Tuesday through Thursdays unless other arrangements have been made with the Water/Sewer Superintendent. Any overtime cost by city staff will be incurred by the contractor.

All waterlines and services shall be abandoned at the main and provide a one foot separation from the watermain. Flushing may be required to be performed at night (per City direction) during non-peak flows.

Section 7-09.3(21): Concrete Thrust Blocking

This section is supplemented with the following:

All forms for concrete and deformed rebar thrust blocking must be approved by the City Engineer prior to pouring the concrete.

	WATER SPECIFICATIONS (2 OF 5)			
	STANDARD PLAN:	CITY ENGINEER APPROVAL:		
	W - 701	Longview:	C.B.	
	DATE: FEB. 2008	Kelso:	S.Z.	

Section 7-09.3(23): Hydrostatic Pressure Test

Paragraphs 1, 4, and 5 are replaced with the following:

All water mains and appurtenances shall be tested in sections of convenient length under a hydrostatic pressure equal to 1.5 times that under which they will operate or 200 psi whichever is greater. All pumps, gauges, plugs, saddles, corporation stops, miscellaneous hose and piping, and measuring equipment necessary for performing the test shall be furnished and operated by the Contractor. The Engineering Department must be notified a minimum of 48 hours prior to testing and must be present when tests are performed.

The mains shall be filled with water and allowed to stand under pressure a sufficient length of time to allow the escape of air and allow the lining of the pipe to absorb water. The Contractor shall be responsible for providing the water necessary to fill the pipelines for testing purposes.

The test shall be accomplished by pumping the main up to the required pressure, stopping the pump for 2 hours, and then pumping the main up to the test pressure again. During the test, the section being tested shall be observed to detect any visible leakage. A clean container shall be used for holding water for pumping up pressure on the main being tested. This makeup water shall be sterilized by the addition of chlorine to a concentration of 50 mg/l. In accordance with AWWA Standards.

Disinfection of Water Mains

Section 7-09.3(24): Flushing

Paragraph 1 is replaced with the following:

Sections of pipe to be disinfected shall first be flushed to remove any solids or contaminated material that may have become lodged in the pipe. Tap shall be provided large enough to develop a velocity of at least 6 fps in the main. Hydrants are not to be used for pipe flushing; only approved blow off assemblies are to be used. Connecting to city mains or flushing may be required at night depending on system conditions as determined by the engineer.

Contractor to provide sampling station point per City standards.

Section 7-09.3(24)D: Dry Calcium Hypochlorite

This section is deleted in its entirety.

7-12 VALVES FOR WATER MAINS

Construction Requirements

Section 7-12.3(1): Installation of Valve Marker Post


This section is replaced with the following:

Where required, a valve marker post shall be furnished and installed with each valve. Valve marker posts shall be placed at the edge of the right-of-way opposite the valve and be set with a minimum of 48" of the post exposed above grade. The post shall have a blue reflective "water valve" decal placed within 3" of the top of the post. The post shall be canonicite. The post shall face on coming traffic at 4 feet away from the valve.

A concrete collar shall be poured around valve boxes that are to grade. A two headed arrow stamp will be used to stamp the concrete collar to show direction of flow for the water main.

All operators for Butterfly Valves shall be on centerline of street side of the main.

The contractor shall not operate any city valve. The city must be contacted to turn all city valves for all phases of construction.

	WATER SPECIFICATIONS (3 OF 5)			
	STANDARD PLAN:	CITY ENGINEER APPROVAL:		
	W - 702	Longview:	C.B.	
	DATE: FEB. 2008	Kelso:	S.Z.	

7-14 HYDRANTS

Construction Requirements

Section 7-14.3(6): Hydrant Extensions

This section is supplemented with the following:

Hydrant extensions will not be allowed for newly constructed hydrants. The large port on the hydrant shall face the road.

7-15 SERVICE CONNECTIONS

Section 7-15.3: Construction Requirements

Paragraph 1 is replaced with the following:

All service connections to water mains shall be made using saddles as specified and be of the size and type suitable for use with the pipe being installed. Service pipelines shall be installed perpendicular to the main, unless otherwise shown in the plans.

Water meter service shall not conflict with electric/gas services, required 4" horizontal and 12" vertical separation from other utilities for Longview (5' horz. and 18" vert. for Kelso). (10' horizontal and 18" vertical from sanitary sewer)

PERMISSABLE HYDRANT LOCATION NOTE (construction water)


Contractor shall apply for hydrant permit thru the City Water Department if construction water is needed.

No meters installed without fee's being paid in full.

City to determine location for all hydrant meters.

WATER NOTES ADDITIONAL

1. Connection to the Water System shall be inspected by Public Works Department. 48 Hours (2 working days) notice for inspection.
2. All water system flushing, including fire lines, shall be scheduled through the Public Works Department who will in turn schedule the water department to be present to record water used and to operate city valves.
3. Utility permits must be applied and paid for prior to any connections being made to either the water or sewer system.
4. All backflow devices must be tested and certified by a stated certified tester prior to the water services being activated for use.
5. Only City Water Department personnel shall operate city valves.
6. Shut downs of the water system for connections will be done between Tuesday and Thursday from 8 AM and 4 PM. Max time the water may be off is 4 hours without prior approval.
7. Submittals and shop drawings must be approved before the shut down is scheduled. Contractor is required to notify the customers affected 2 working days in advance in writing with city approved letter.
8. Meters larger than 1" will be supplied by the contractor.
 - a. Must be delivered to the Water Department shop for accuracy testing at least one week prior to installation date.
 - b. Must be installed by the contractor.
 - c. Must have approved submittal

	WATER SPECIFICATIONS (4 OF 5)			
	STANDARD PLAN:	CITY ENGINEER APPROVAL:		
	W - 703	Longview:	C.B.	
	DATE: FEB. 2008	Kelso:	S.Z.	

All backfill shall be $\frac{3}{4}$ " minus (CSTC).

Foundation material & Geo grid shall be installed as directed by the City of Longview & to the depth as directed.

All pavement patches shall be 2" plus existing in depth or as directed by the City of Longview.

All pavement shall be full depth sawcut & replaced per the limits as marked by the City of Longview after construction.

	WATER SPECIFICATIONS (5 OF 5)			
	STANDARD PLAN:	CITY ENGINEER APPROVAL:		
	W - 704	Longview:	C.B.	
	DATE: FEB. 2008	Kelso:	S.Z.	

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
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500 REDPATH ST, KELSO, WA 98626

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Checked by:	EAP
Revisions	
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CITY OF KELSO
WATER SPECS

PRELIMINARY
SUBJECT TO AGENCY REVIEW
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C608

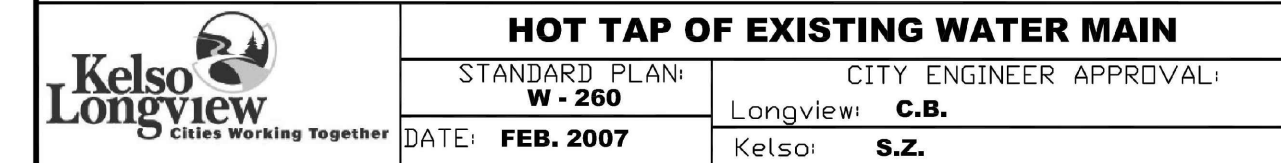
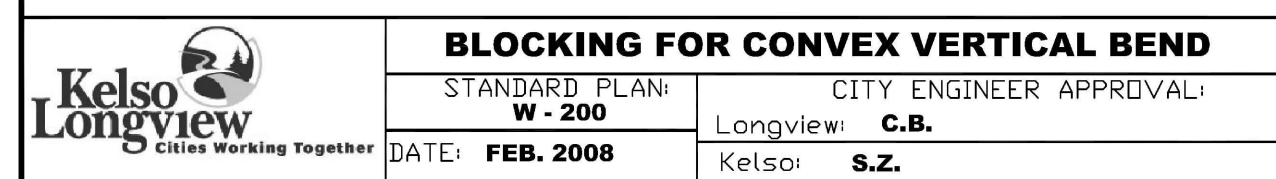
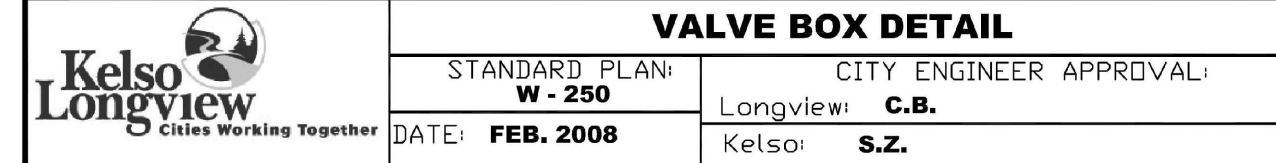
integrus
ARCHITECTURE

10800 N. CEDAR ST. SUITE 200, WA, 98204
TEL: 360.295.5488 FAX: 360.295.5488

PBS
Engineering and
Environmental Inc.


415 W 6th Street, Suite 601
Portland, OR 97204
360.595.5488

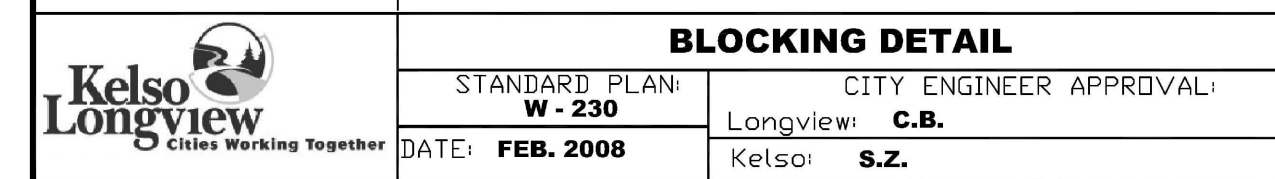
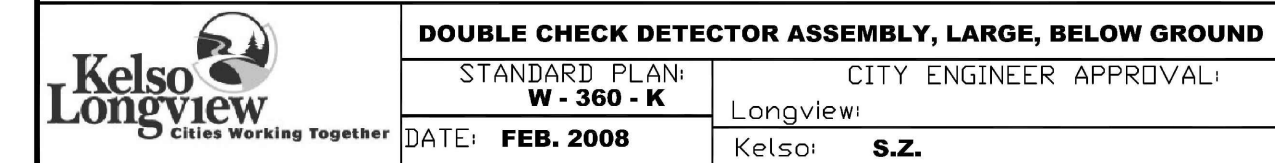
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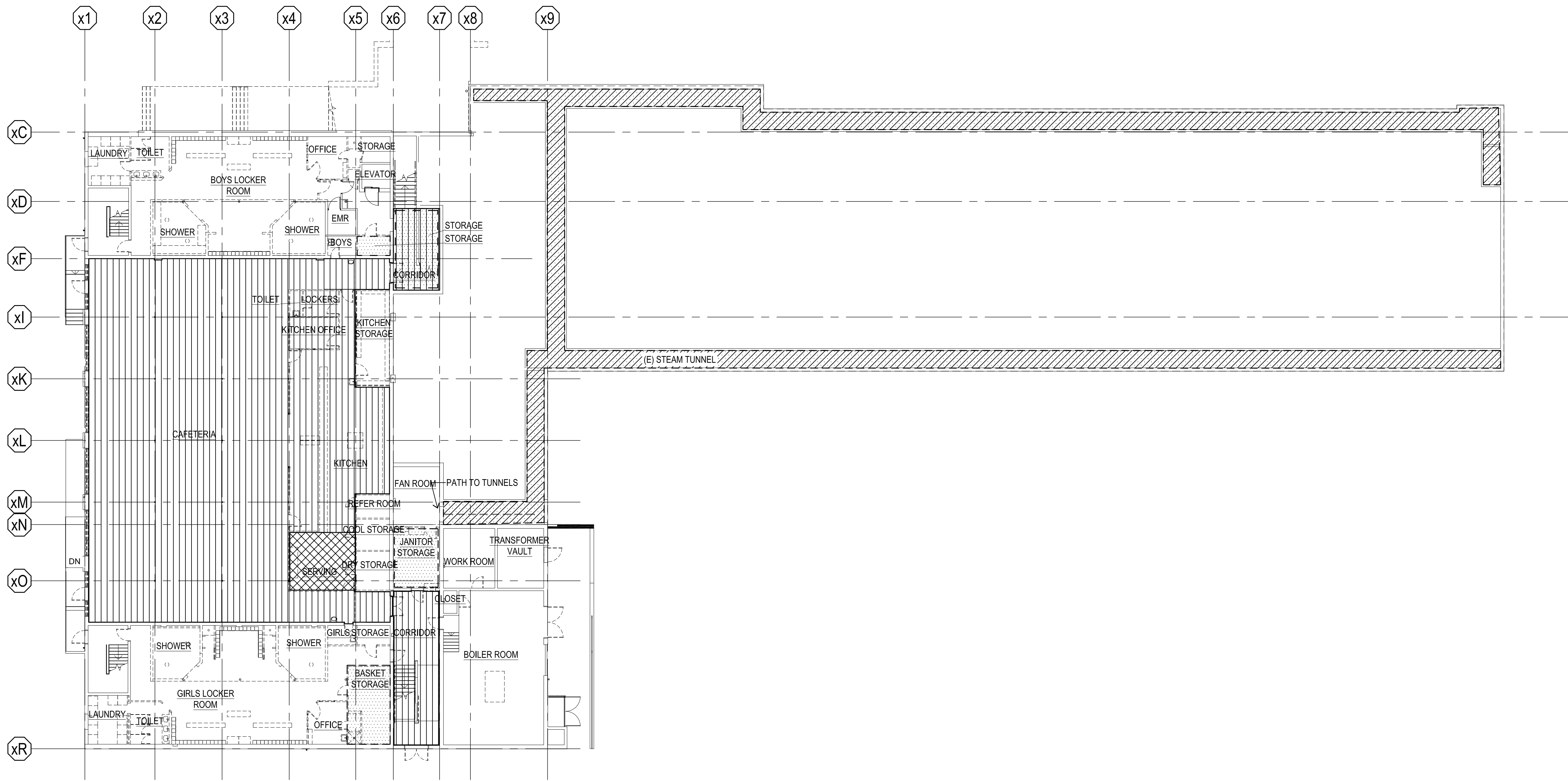


NOTES:

1. BLOCKING SHALL BE COMMERCIAL CONCRETE IN PLACE AGAINST UNDISTURBED EARTH. FITTING SHALL BE ISOLATED FROM CONCRETE THRUST BLOCKS WITH PLASTIC OR SIMILAR MATERIAL.
2. TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (S.F.):
EXAMPLE: 12" x 90" BEING IN SAND AND GRAVEL
 $30.000 \text{ LBS DIVIDED BY } 30 \text{ LBS/BEARING LOAD EQUALS } 10 \text{ S.F. OF AREA}$
(SOIL BEARING LOAD) TO BE DETERMINED PER SOILS REPORT OR PROJECT ENGINEER OR GEOTECHNICAL ENGINEER).
3. AREA MUST BE ADJUSTED FOR OTHER PIPE SIZE, FITTING PRESSURES AND SOIL CONDITIONS.
4. ALL THRUST BLOCKS TO BE CLASS 4000 CONCRETE.

	THRUST LOADS	
	STANDARD PLAN: W - 220	CITY ENGINEER APPROVAL: Longview: C.B. Kelso: S.Z.
DATE: FEB. 2008		





TRUE NORTH
LEVEL 0 - HAZARDOUS MATERIAL DEMO / ABATEMENT FLOOR PLAN
SCALE: 1/16" = 1'-0"

HAZARDOUS MATERIAL LEGEND

VINYL TILE (VT) AND MASTIC ON CONCRETE.

VINYL SHEETING (VS) ON CONCRETE

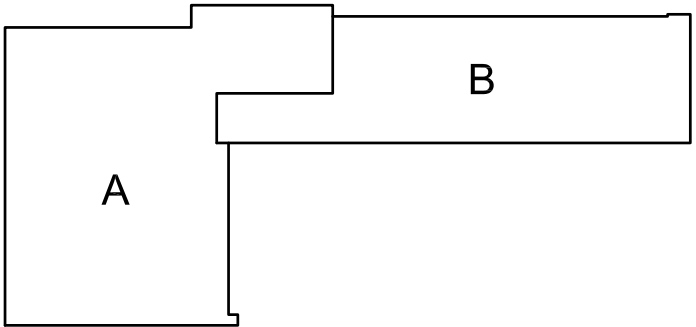
LOCATION OF VISIBLE EXISTING THERMAL SYSTEM INSULATION. 2" TO 8" LINES PRESENT. (880 LINEAL FEET) THESE NOTES REPRESENT TOTALS FOR ALL H-SERIES SHEETS

THERE IS AN ADDITIONAL (5,000 LINEAL FEET) OF 4" TO 8" DOMESTIC STEAM LINES HIDDEN / ABOVE HARD LID CEILINGS, CHASES AND UTILITY TUNNELS.

THESE NOTES REPRESENT TOTALS FOR ALL H-SERIES SHEETS

*NOTE: SOME HATCH PATTERNS MAY BE SHOWN ON EXTERIOR FOR CLARITY TO AVOID OVERLAPPING OF HATCH PATTERNS)

VINYL TILE AND MASTIC UNDER CARPET ON CONCRETE 2,592 S.F. (THIS SHEET ONLY)



**KELSO SCHOOL DISTRICT NO. 458
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500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	NOW-E	
Checked by:	DR	
Revisions		
#	Date	Description

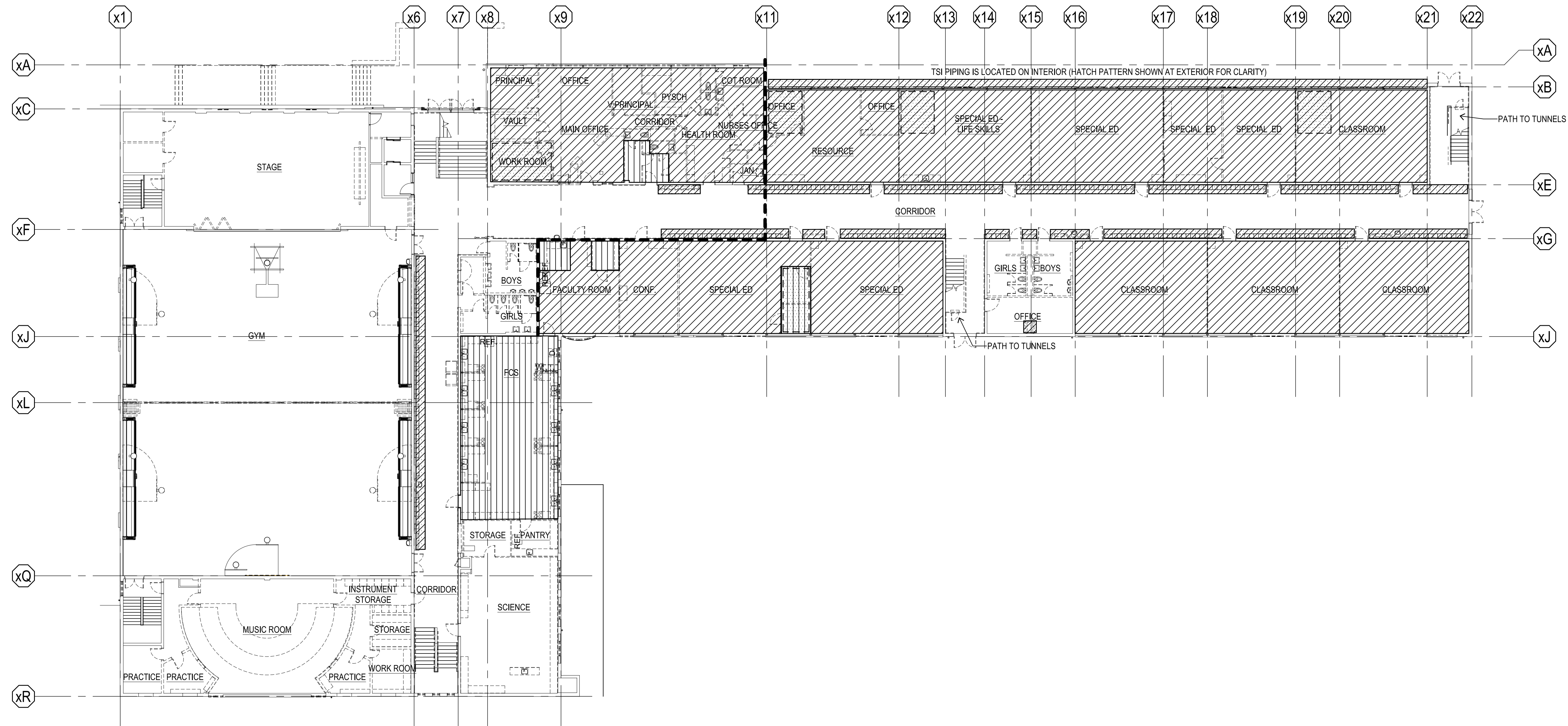
LEVEL 0 -
OVERALL PLAN
HAZMAT

H100



integrus
ARCHITECTURE

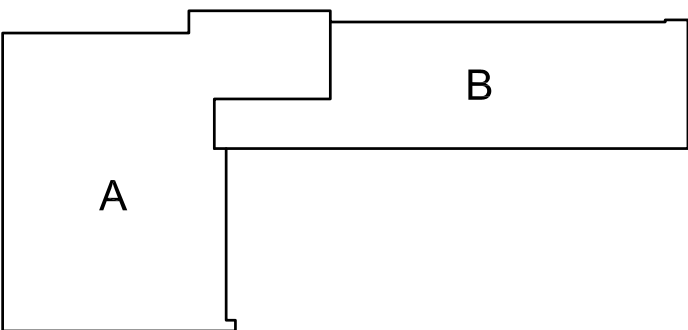
111 SOUTH MAIN STREET, SUITE 100, SEASIDE, WA 98138
TELEPHONE: 206.468.2113 FAX: 206.468.2138



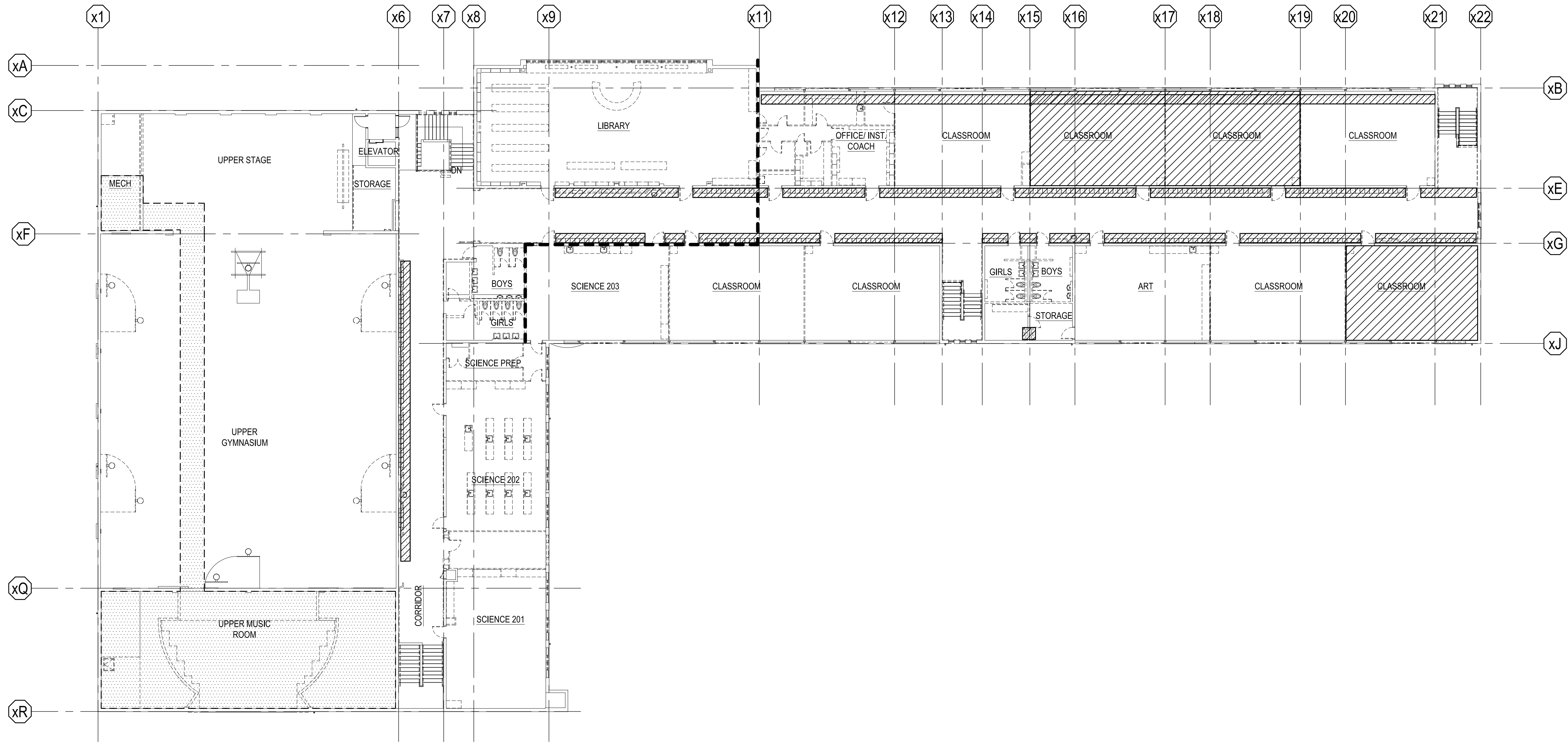
LEVEL 1 - HAZARDOUS MATERIAL DEMO/ABATEMENT FLOOR PLAN
SCALE: 1/16" = 1'-0"

HAZARDOUS MATERIAL LEGEND

- VINYL TILE (VT) AND MASTIC ON CONCRETE.
- VINYL SHEETING (VS) ON CONCRETE
- LOCATION OF VISIBLE EXISTING THERMAL SYSTEM INSULATION. 2" TO 8" LINES PRESENT. (860 LINEAL FEET) THESE NOTES REPRESENT TOTALS FOR ALL H-SERIES SHEETS
- THERE IS AN ADDITIONAL (5,000 LINEAL FEET) OF 4" TO 8" DOMESTIC STEAM LINES HIDDEN / ABOVE HARD LID CEILINGS, CHASES AND UTILITY TUNNELS.
- THESE NOTES REPRESENT TOTALS FOR ALL H-SERIES SHEETS
- *NOTE: SOME HATCH PATTERNS MAY BE SHOWN ON EXTERIOR FOR CLARITY TO AVOID OVERLAPPING OF HATCH PATTERNS)
- VINYL TILE AND MASTIC UNDER CARPET ON CONCRETE 2,592 S.F. (THIS SHEET ONLY)



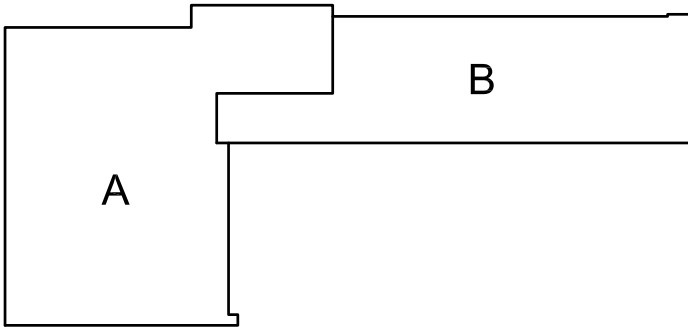
Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	NOW-E	
Checked by:	DR	
Revisions		
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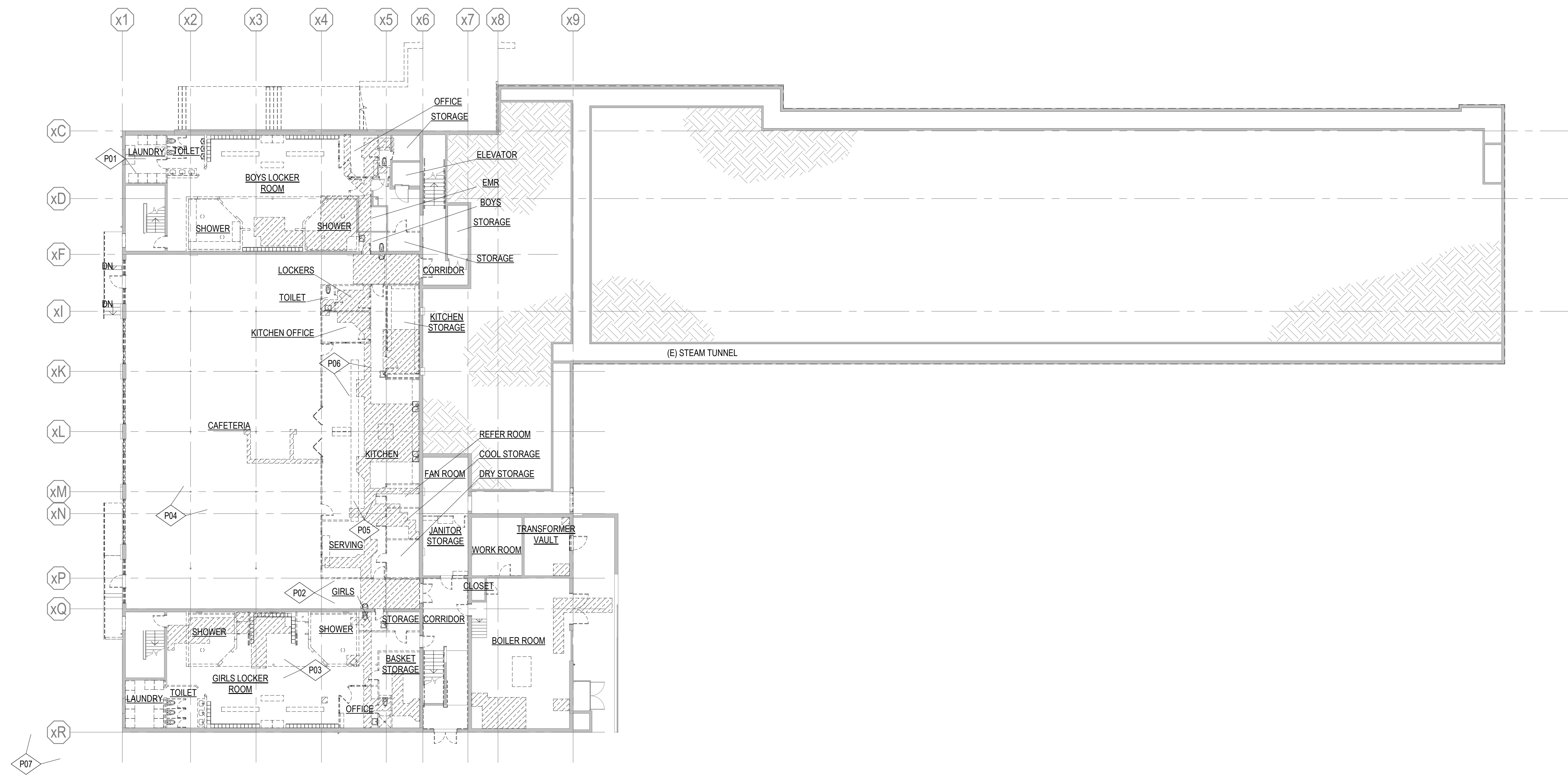
LEVEL 2 - HAZARDOUS MATERIAL DEMO / ABATEMENT FLOOR PLAN
SCALE: 1/16" = 1'-0"

HAZARDOUS MATERIAL LEGEND

- VINYL TILE (VT) AND MASTIC ON CONCRETE.
- VINYL SHEETING (VS) ON CONCRETE
- LOCATION OF VISIBLE EXISTING THERMAL SYSTEM INSULATION: 2" TO 8" LINES PRESENT, (860 LINEAL FEET) THESE NOTES REPRESENT TOTALS FOR ALL H-SERIES SHEETSM
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LEVEL 0 - DEMO FLOOR PLAN
SCALE: 1/16" = 1'-0"

- GENERAL NOTES - DEMOLITION**
- A. DEMOLITION DRAWINGS SHOW GENERAL SCOPE OF DEMOLITION AND DO NOT SHOW ALL DEMOLITION WORK REQUIRED. PROVIDE ALL DEMOLITION NECESSARY TO ACCOMMODATE WORK SHOWN IN CONTRACT DOCUMENTS.
 - B. COORDINATE DEMOLITION WORK OF ALL TRADES TO PROVIDE COMPLETE WORKING SYSTEMS AND FINISHED SCOPE OF WORK.
 - C. SEE CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL FOR ADDITIONAL DEMOLITION SCOPE AND ADDITIONAL REQUIREMENTS FOR COORDINATION OF DEMOLITION SCOPE.
 - D. REFER TO HAZMAT DOCUMENTS FOR ADDITIONAL DEMOLITION AND REMOVAL REQUIREMENTS
 - E. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, REPAIR AFFECTED AREAS AT NO COST TO THE OWNER.
 - F. ALL MATERIALS IDENTIFIED TO BE DEMOLISHED SHALL BE TAKEN FROM THE PROJECT SITE AND DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.
 - G. PROVIDE SHORING AND TEMPORARY SUPPORT OF THE EXISTING STRUCTURES AS NECESSARY FOR PERFORMANCE OF DEMOLITION SCOPE AND/OR AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION.
 - H. PROTECT ALL ADJACENT FINISHES AS REQUIRED PRIOR TO THE START OF WORK. ANY DAMAGE SHALL BE REPAIRED TO THE PRIOR CONDITION.
 - I. DISCONNECT AND CAP ALL UTILITIES PRIOR TO REMOVAL OF EQUIPMENT. COORDINATE WITH UTILITY AND SERVICE PROVIDERS, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
 - J. NOTIFY OWNER'S REPRESENTATIVE OF ANY SUSPECTED UNSOUND MATERIAL AND STRUCTURAL DAMAGE ENCOUNTERED.
 - K. ALL CONCRETE BUILDING STRUCTURE TO REMAIN EXCEPT AS NOTED.
 - L. DEMOLITION OF ALL MATERIALS AND ITEMS NOTED INCLUDES THE DEMOLITION OF ALL ASSOCIATED MATERIALS, ATTACHMENTS, FASTENERS, SUPPORT MATERIALS, ADHESIVES, ETC.
 - M. DEMOLISH EXISTING FLOORING TYP, INCLUDING SECONDARY LAYER OF FLOOR FINISH LOCATED BENEATH EXISTING TOP FINISH, U.N.O.
 - N. DEMOLISH EXISTING WHITEBOARDS, TACK BOARDS, WALL COVERINGS, SPEAKERS, CEILING MOUNTED PROJECTORS AND PROJECTION SCREENS FROM EACH CLASSROOM, LAB, OFFICE, AND ALL OTHER TEACHING SPACES.
 - O. PROTECT EXISTING FLOOR DRAINS AND SEWER LINES FROM CONSTRUCTION AND DEMOLITION DEBRIS.
 - P. ITEMS SHOWN TO BE REMOVED AND SALVAGED ARE TO BE PROTECTED AND DELIVERED TO THE OWNER

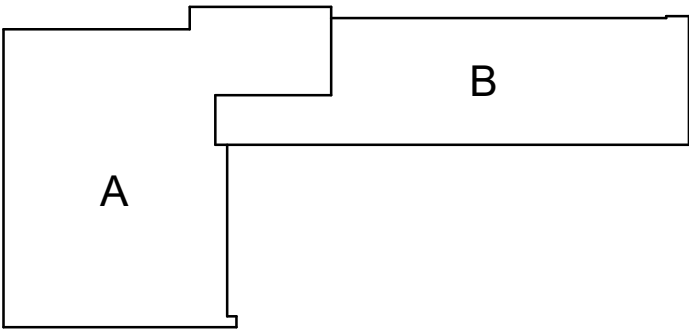
LEGEND - DEMOLITION

- DASHED LINES INDICATE BUILDING ELEMENTS FOR DEMOLITION OR REMOVAL, TYP: UNO.
- EXISTING WALL TO REMAIN
- PHOTO LOCATION

DEMOLITION KEYNOTES

- 1 DEMO PORTION OF EXISTING WOOD FRAMED WALL, REFER TO EXTERIOR ELEVATIONS AND FLOOR PLANS FOR ADDITIONAL INFORMATION
- 2 DEMO EXISTING WALL TILE FINISH
- 3 DEMO EXISTING SCREEN WALL, CUT STEEL POSTS TO 1/2" BELOW FF
- 4 DEMO EXISTING CONCRETE WALL
- 5 REMOVE AND PROTECT EXISTING LOCKERS, REFER TO FLOOR PLANS FOR REINSTALLATION. DEMO EXISTING CONCRETE LOCKER BASE.
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- 23 DEMO EXISTING UNDER-STAGE STORAGE DOORS AND TRIM

* NOT ALL KEYNOTES ARE USED ON EVERY SHEET.

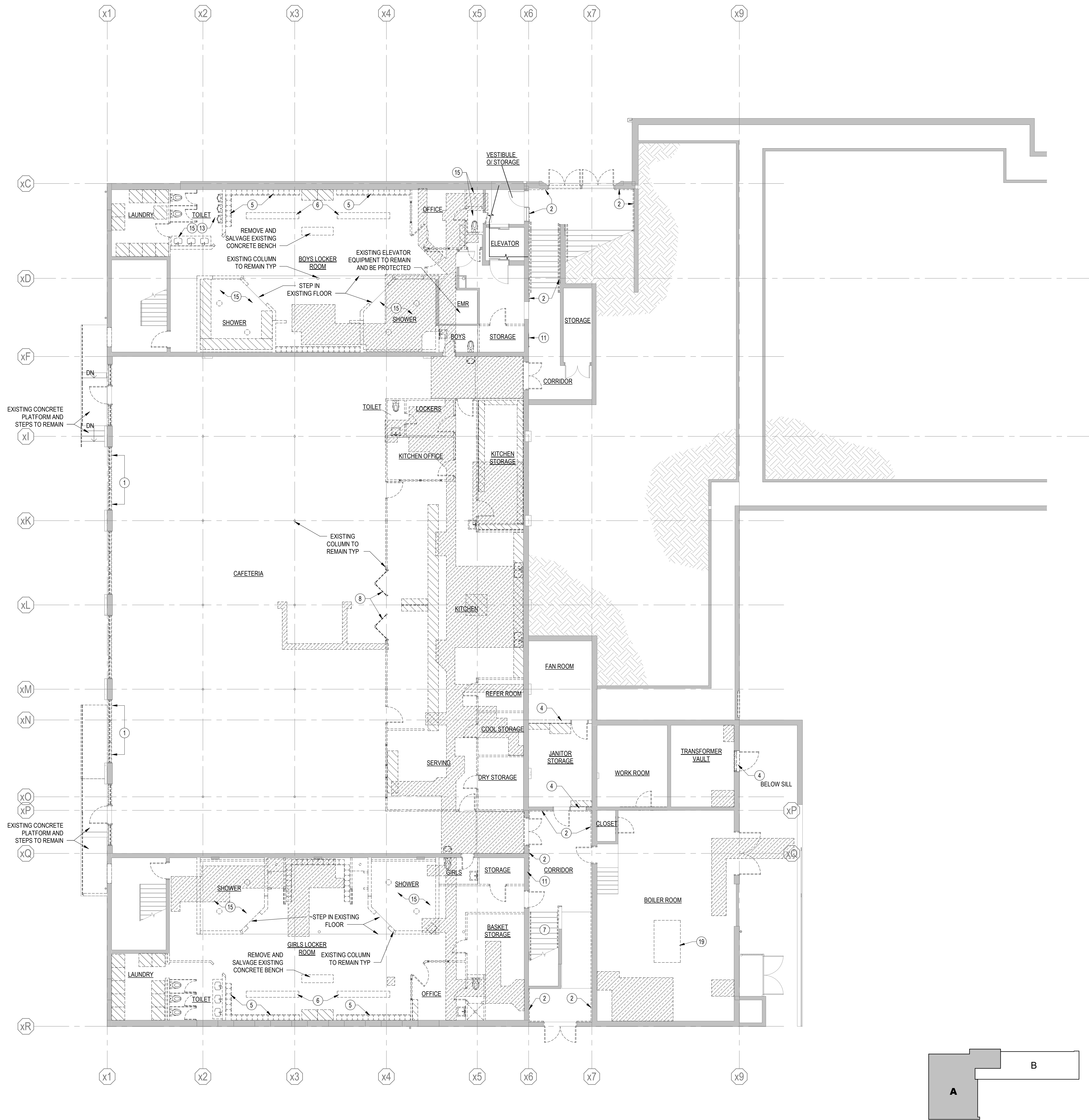


KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

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Drawn By:	MT
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LEVEL 0 -
OVERALL DEMO
PLAN AND
PHOTOS

AD100



LEVEL 0 AREA A - DEMO FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES - DEMOLITION

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LEGEND - DEMOLITION

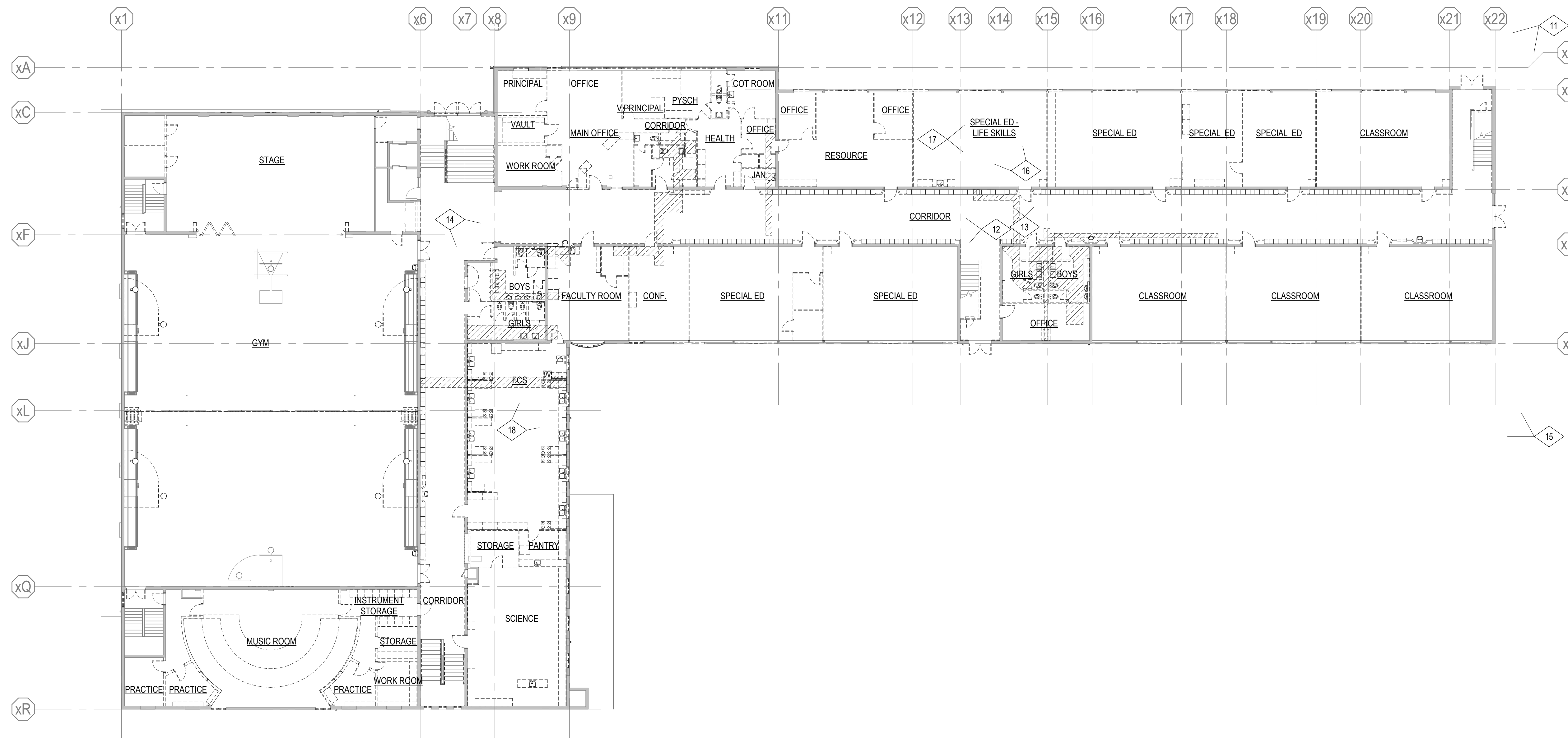
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- DEMO EXISTING WOOD/CMU/BLOCK WALL
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- AREA FOR SLAB DEMOLITION; COORDINATE EXTENT WITH STRUCTURAL, MECHANICAL AND ELECTRICAL WORK. SEE STRUCTURAL DRAWINGS FOR CONCRETE SLAB PATCHING AND DOWELING AT ALL SAWCUT SLABS.
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- PHOTO LOCATION, SEE AD100, AD101, AD102, AND AD103

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Date:	05/28/2021
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↑ TRUE NORTH
LEVEL 1 - DEMO FLOOR PLAN
SCALE: 1/16" = 1'-0"

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LEGEND - DEMOLITION

- DASHED LINES INDICATE BUILDING ELEMENTS FOR DEMOLITION OR REMOVAL, TYP: UNO.
- EXISTING WALL TO REMAIN
- ## PHOTO LOCATION

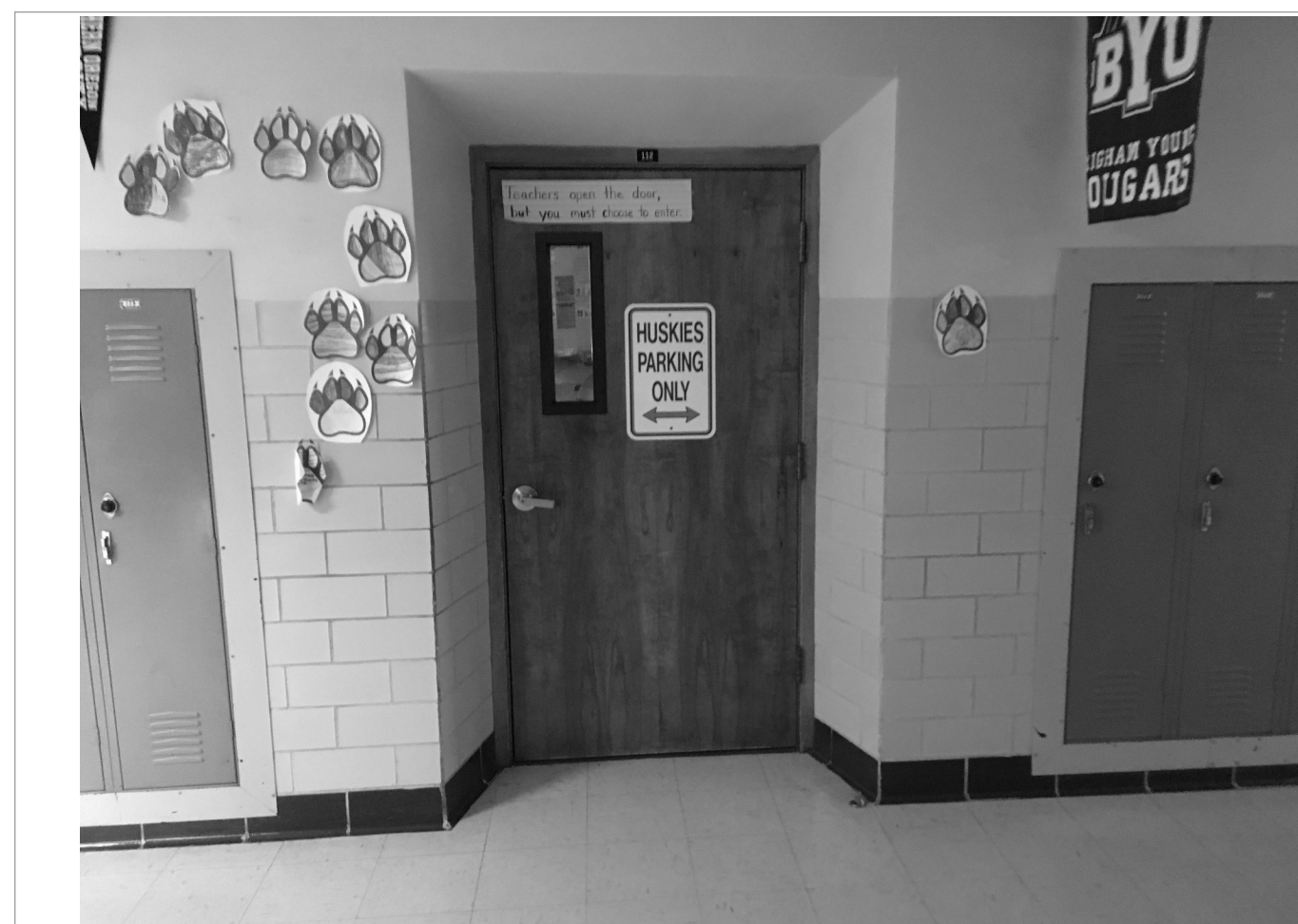
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P14 PHOTO OF EXISTING
SCALE: 1/8" = 1'-0"



P13 PHOTO OF EXISTING
SCALE: 1/8" = 1'-0"



P12 PHOTO OF EXISTING
SCALE: 1/8" = 1'-0"



P11 PHOTO OF EXISTING
SCALE: 1/8" = 1'-0"



P18 PHOTO OF EXISTING
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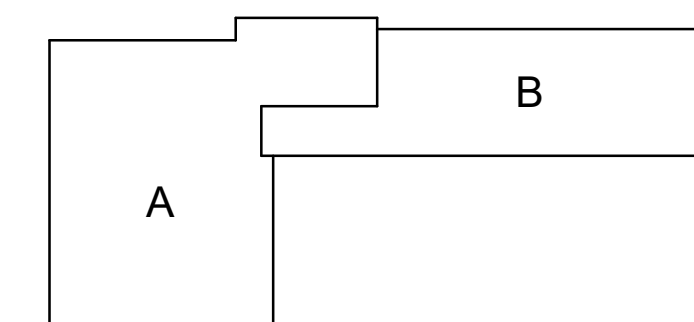
P17 PHOTO OF EXISTING
SCALE: 1/8" = 1'-0"



P16 PHOTO OF EXISTING
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P15 PHOTO OF EXISTING
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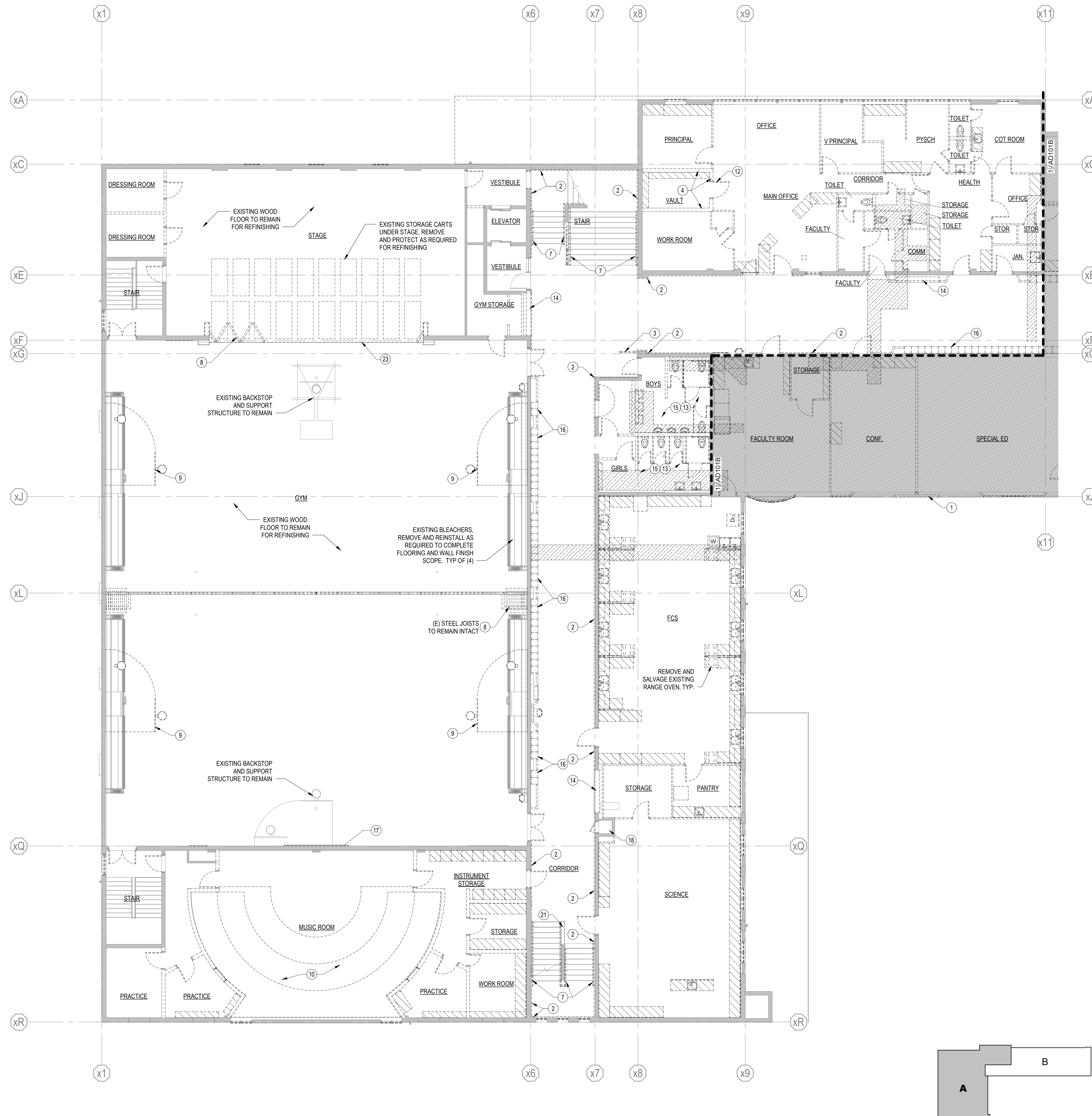
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

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LEVEL 1 -
OVERALL DEMO
PLAN AND
PHOTOS

AD101



1 LEVEL 1 AREA A - DEMO FLOOR PLAN
SCALE: 1/8" = 1'-0"

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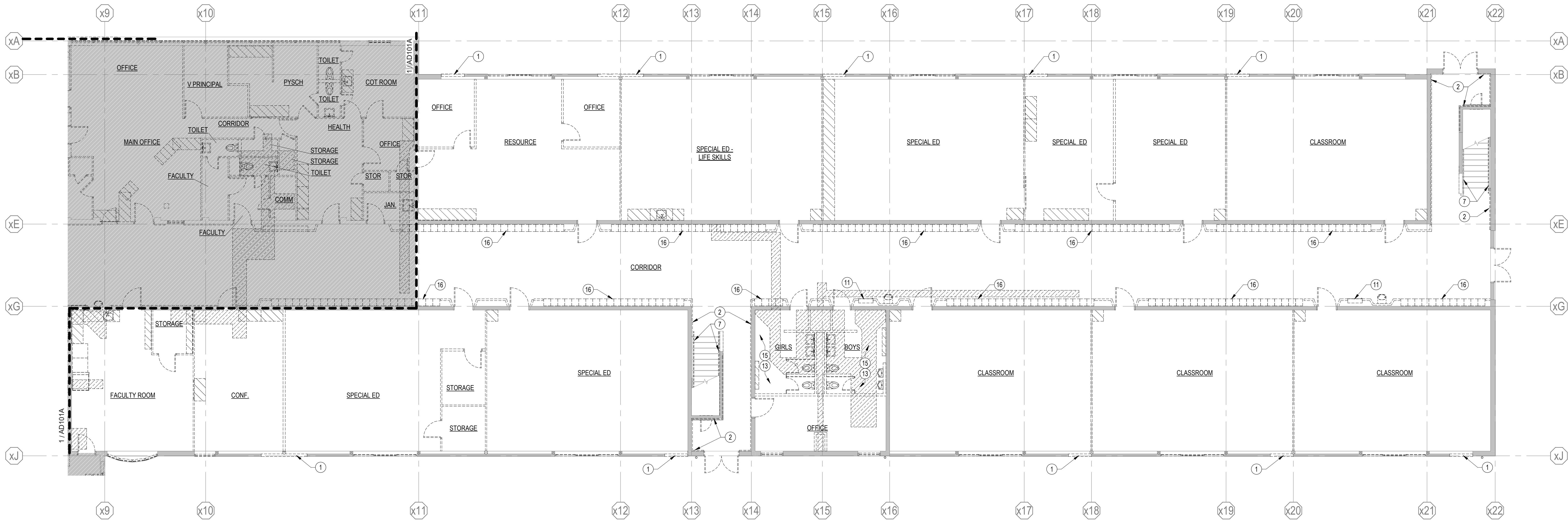
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LEGEND - DEMOLITION

- DASHED LINES INDICATE BUILDING ELEMENTS FOR DEMOLITION OR REMOVAL, TYP. UNO.
- DEMO EXISTING WOOD/CMU/BLOCK WALL
- DEMO EXISTING WINDOW / RELITE
- DEMO EXISTING DOOR AND FRAME
- DEMO EXISTING PLUMBING FIXTURE, REFER TO MECHANICAL DRAWINGS
- DEMO EXISTING CASEWORK
- AREA FOR SLAB DEMOLITION, COORDINATE EXTENT WITH STRUCTURAL, MECHANICAL AND ELECTRICAL WORK. SEE STRUCTURAL DRAWINGS FOR CONCRETE SLAB PATCHING AND DOWELING AT ALL SAWCUT SLABS.
- EXISTING WALL TO REMAIN
- PHOTO LOCATION, SEE AD100, AD101, AD102, AND AD103

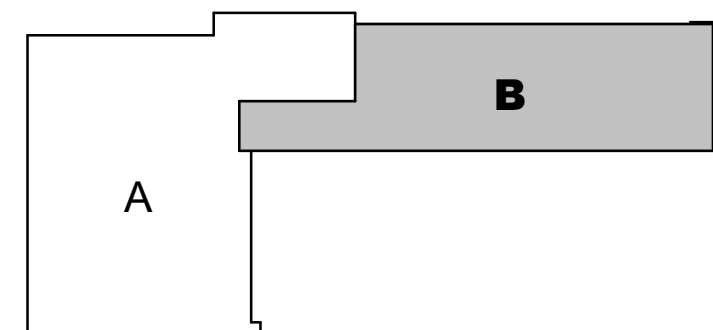
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LEVEL 1 AREA B - DEMO FLOOR PLAN

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



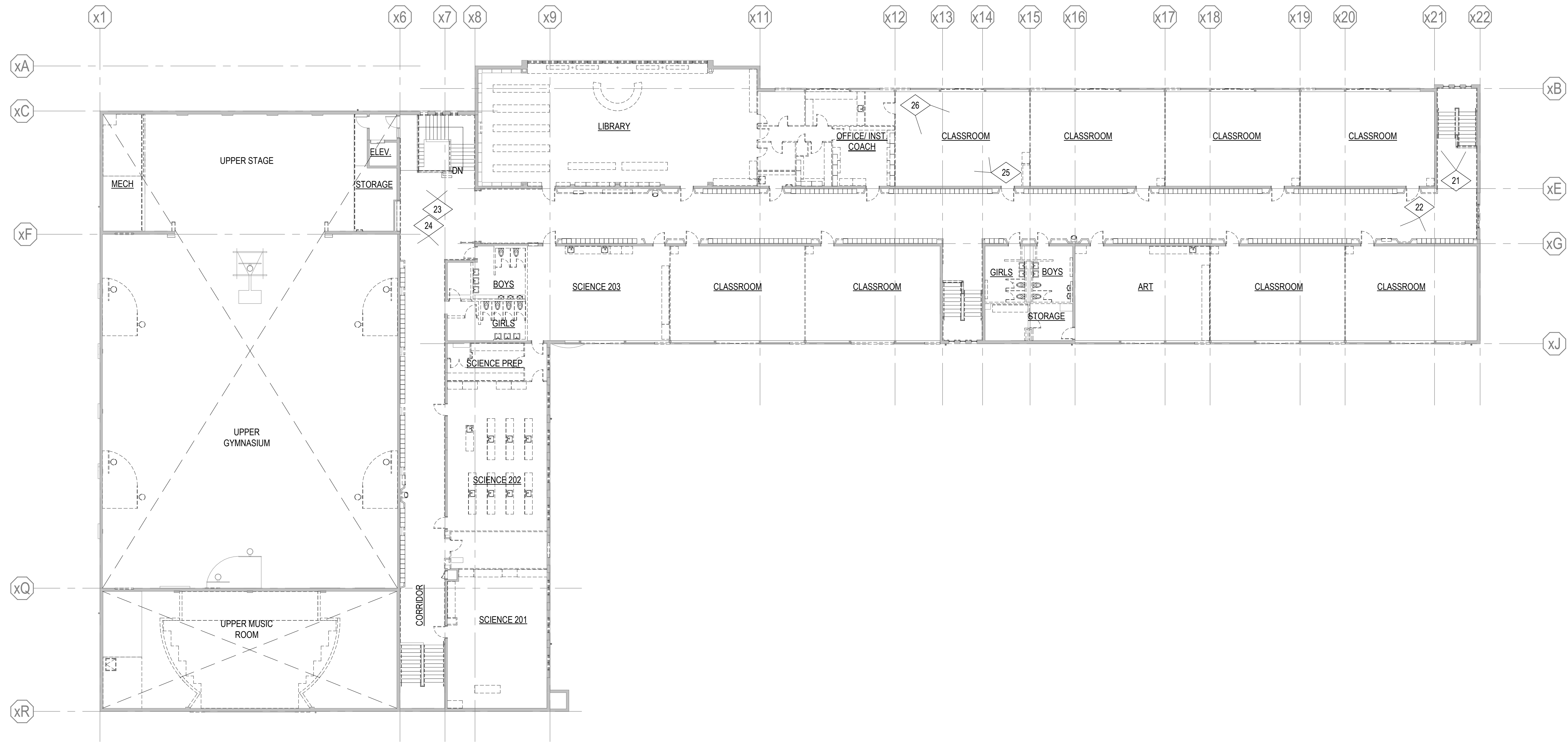
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	MT
Checked by:	MT
Revisions	
#	Date Description

LEVEL 1 AREA B
- DEMO FLOOR
PLAN

AD101B



LEVEL 2 - DEMO FLOOR PLAN
SCALE: 1/16" = 1'-0"

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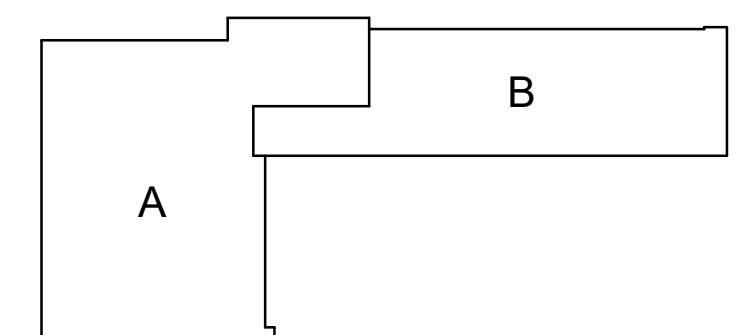
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- EXISTING WALL TO REMAIN
- PHOTO LOCATION

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KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

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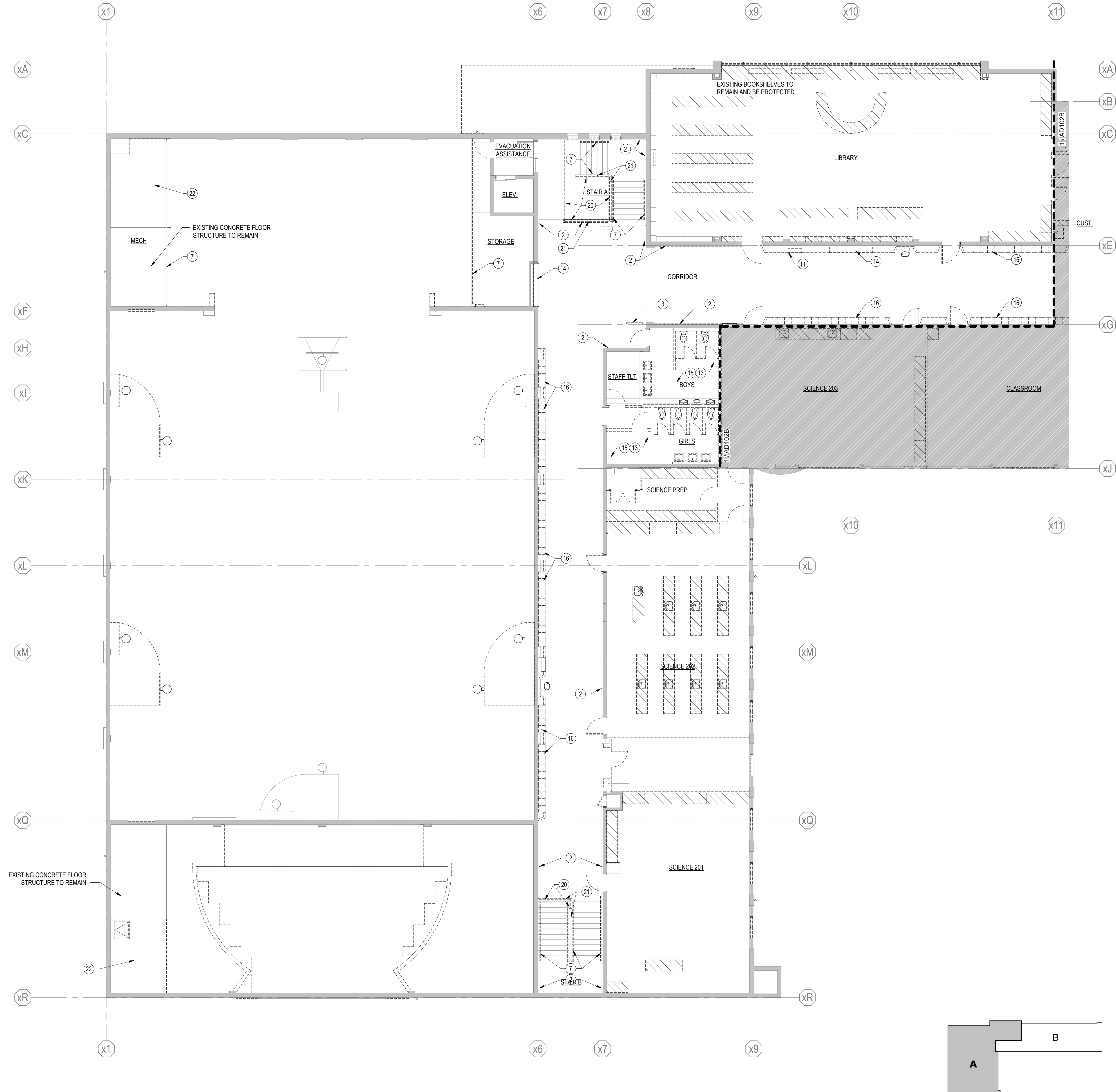
integrus
ARCHITECTURE



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Revisions	
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LEVEL 2 -
OVERALL DEMO
PLAN AND
PHOTOS

AD102



LEVEL 2 AREA A - DEMO FLOOR PLAN
SCALE: 1/8" = 1'-0"

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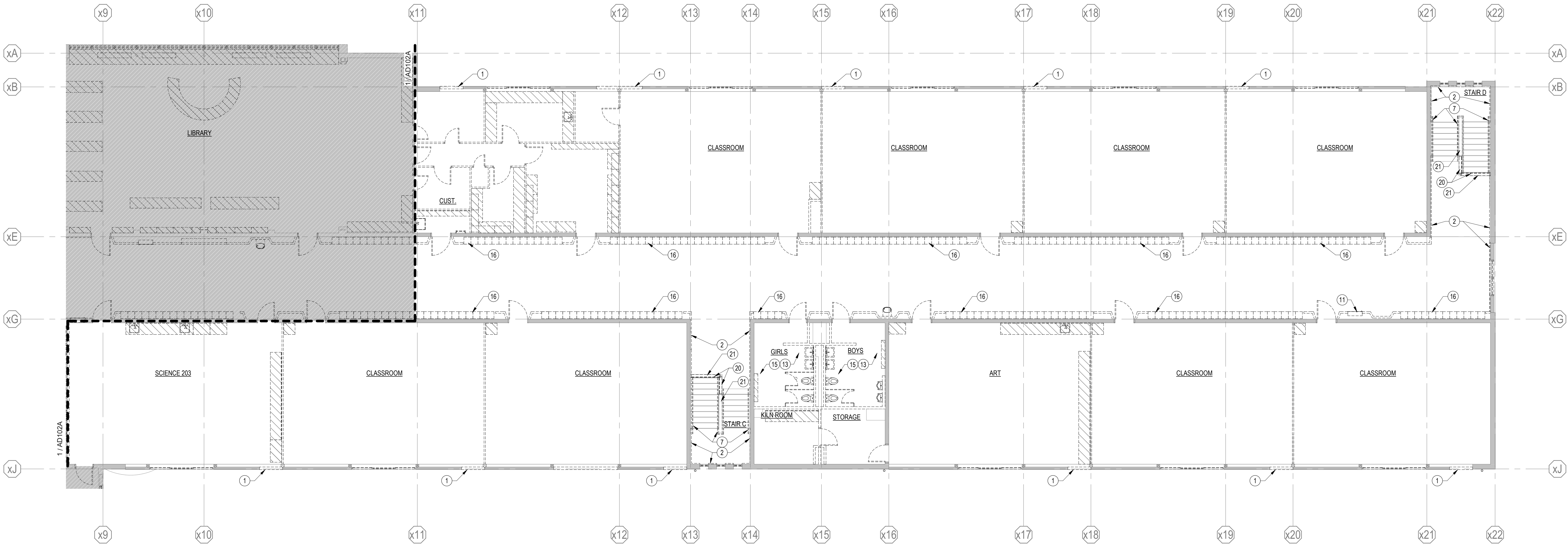
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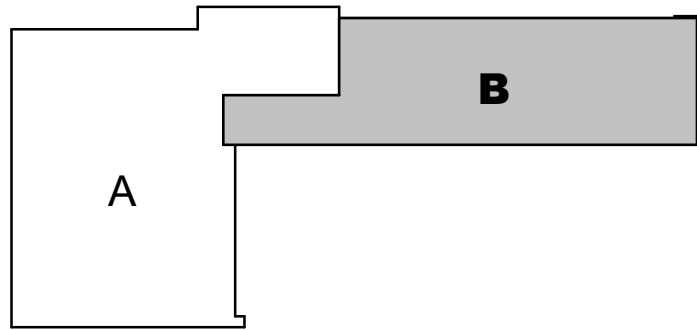
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LEVEL 2 AREA B - DEMO FLOOR PLAN

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



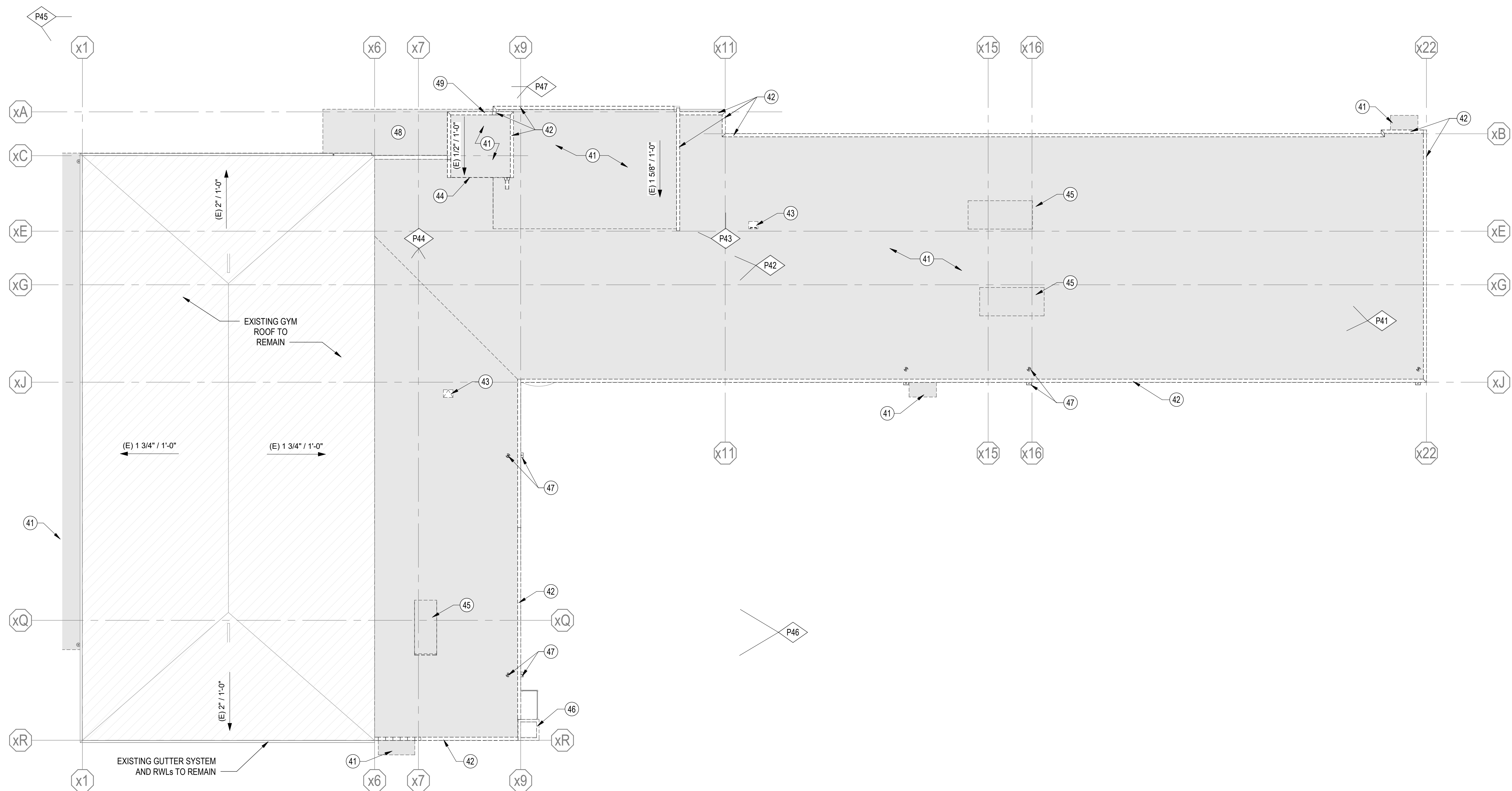
KELSO SCHOOL DISTRICT NO. 458
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LEVEL 2 AREA B
- DEMO FLOOR
PLAN

AD102B



 **DEMO PLAN - ROOF - OVERALL**
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ROOF DEMOLITION KEYNOTES

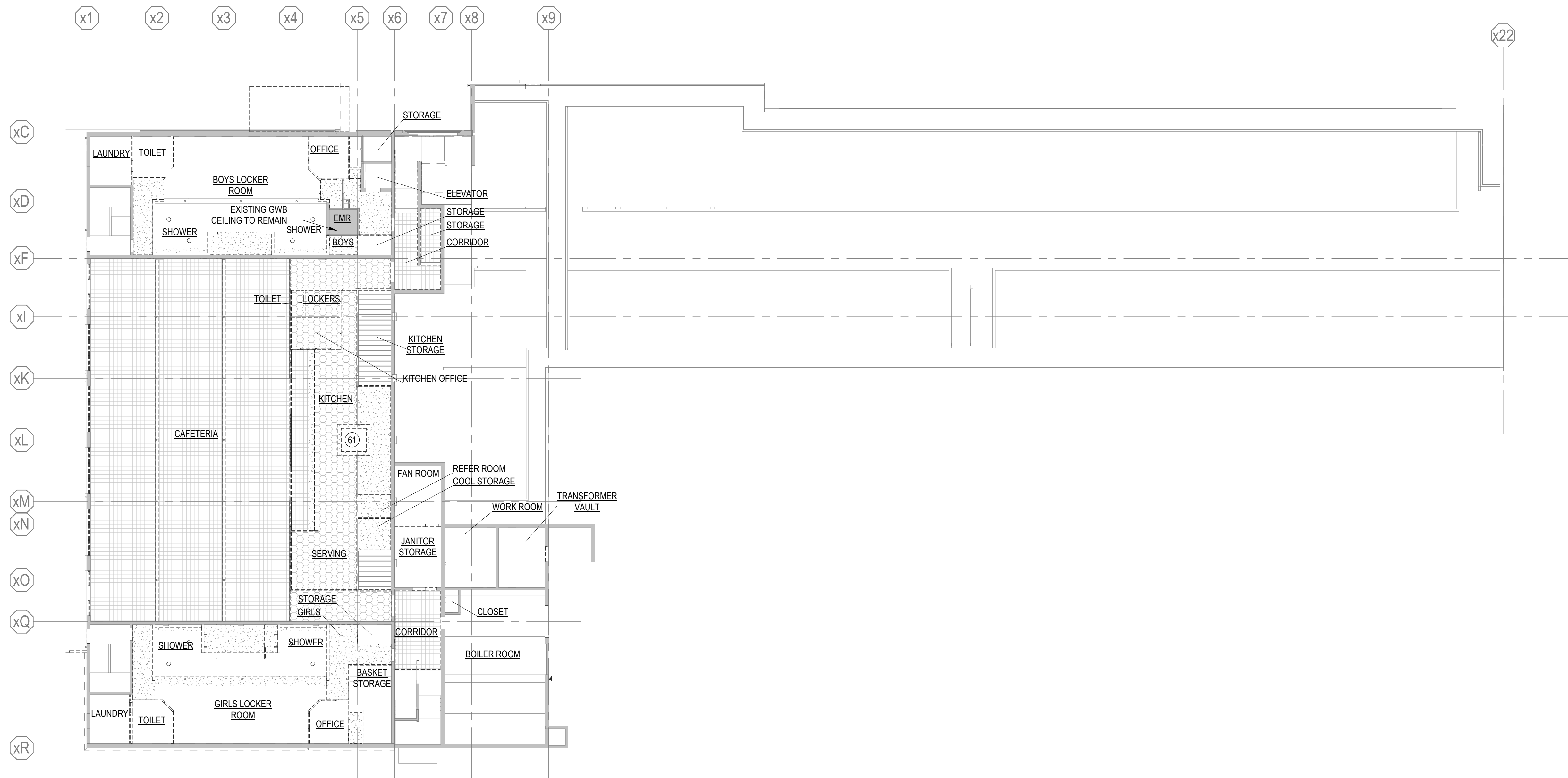
- (41) DEMO EXISTING ROOFING INCLUDING ALL MEMBRANE LAYERS, BALLAST, WALKWAY BLOCKS, FLASHINGS, INSULATION, FASTENERS, ETC. (E) CONCRETE DECK TO REMAIN.
- (42) DEMO EXISTING COPING INCLUDING BLOCKING, ORIGINAL COPING AND SECONDARY COPING LAYER
- (43) DEMO EXISTING ROOF HATCH
- (44) DEMO EXISTING GUTTER SYSTEM
- (45) DEMO EXISTING EQUIPMENT CURB. REFER TO MECHANICAL FOR HVAC SYSTEM DEMO
- (46) DEMO EXISTING CONCRETE CHIMNEY, REFER TO EXTERIOR ELEVATIONS FOR REDUCED HEIGHT
- (47) DEMO EXISTING ROOF DRAIN, INTERIOR RAINWATER PIPING, CONDUCTOR HEAD AND RWL TO CONNECTION AT FINISH GRADE
- (48) DEMO EXISTING CONCRETE CANOPY, SAWCUT @ (E) WALL
- (49) DEMO EXISTING CAST IN PLACE LETTERING

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DEMO ROOF
PLAN AND
PHOTOS

AD121



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- O. PROTECT EXISTING FLOOR DRAINS AND SEWER LINES FROM CONSTRUCTION AND DEMOLITION DEBRIS.
- P. ITEMS SHOWN TO BE REMOVED AND SALVAGED ARE TO BE PROTECTED AND DELIVERED TO THE OWNER

LEGEND - RCP DEMOLITION

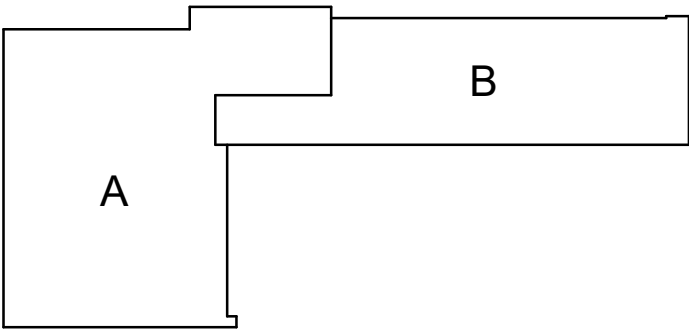
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RCP DEMOLITION NOTES

- (61) DEMO EXISTING HOOD AND SOFFIT
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TRUE NORTH
DEMO RCP - LEVEL 0 - OVERALL
SCALE: 1/16" = 1'-0"

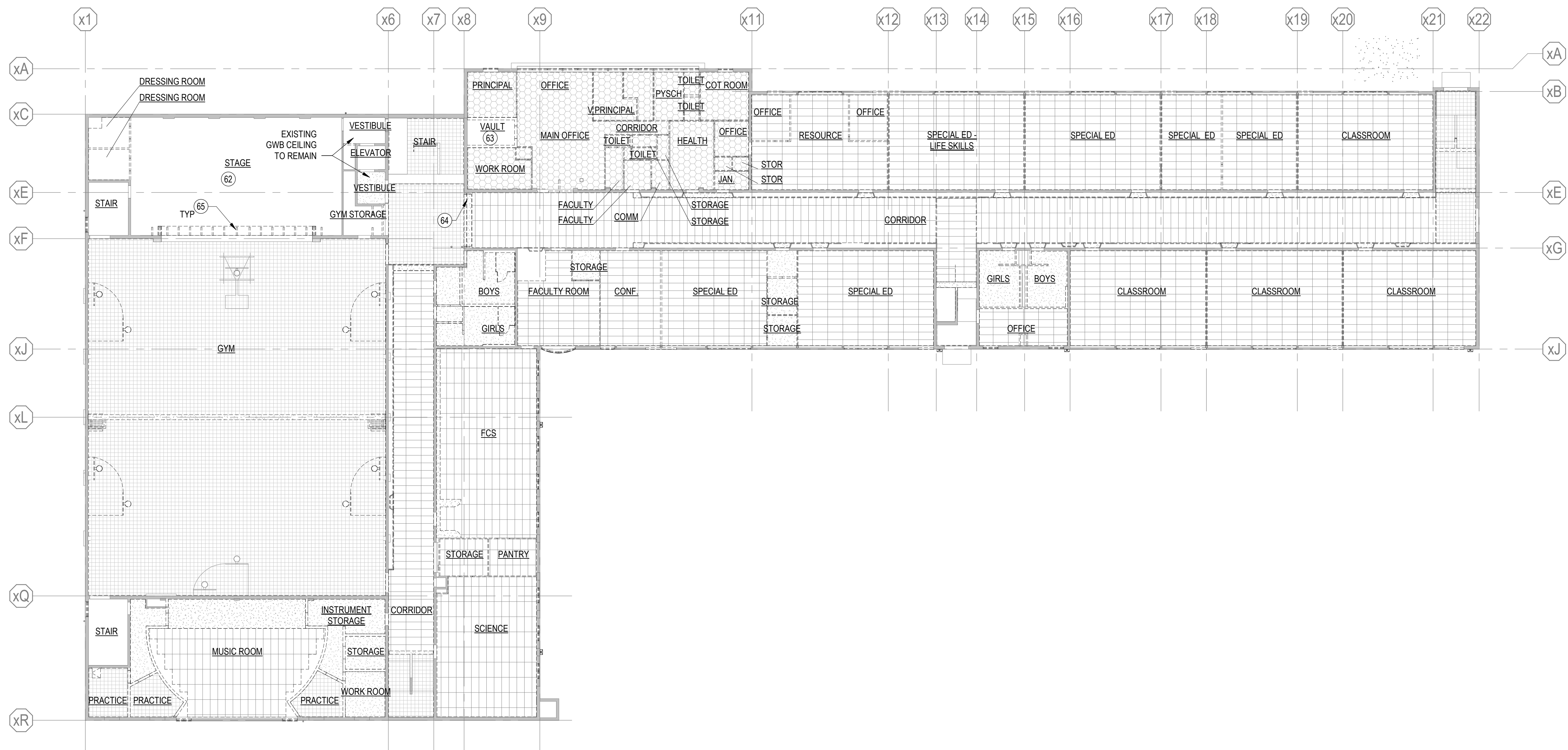


KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	MT
Checked by:	MT
Revisions	
#	Description

DEMO RCP -
LEVEL 0 -
OVERALL

AD130



DEMO RCP - LEVEL 1 - OVERALL
SCALE: 1/16" = 1'-0"

GENERAL NOTES - DEMOLITION

- A. DEMOLITION DRAWINGS SHOW GENERAL SCOPE OF DEMOLITION AND DO NOT SHOW ALL DEMOLITION WORK REQUIRED. PROVIDE ALL DEMOLITION NECESSARY TO ACCOMMODATE WORK SHOWN IN CONTRACT DOCUMENTS.
- B. COORDINATE DEMOLITION WORK OF ALL TRADES TO PROVIDE COMPLETE WORKING SYSTEMS AND FINISHED SCOPE OF WORK.
- C. SEE CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL FOR ADDITIONAL DEMOLITION SCOPE AND ADDITIONAL REQUIREMENTS FOR COORDINATION OF DEMOLITION SCOPE.
- D. REFER TO HAZMAT DOCUMENTS FOR ADDITIONAL DEMOLITION AND REMOVAL REQUIREMENTS
- E. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, REPAIR AFFECTED AREAS AT NO COST TO THE OWNER.
- F. ALL MATERIALS IDENTIFIED TO BE DEMOLISHED SHALL BE TAKEN FROM THE PROJECT SITE AND DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.
- G. PROVIDE SHORING AND TEMPORARY SUPPORT OF THE EXISTING STRUCTURES AS NECESSARY FOR PERFORMANCE OF DEMOLITION SCOPE AND/OR AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION.
- H. PROTECT ALL ADJACENT FINISHES AS REQUIRED PRIOR TO THE START OF WORK. ANY DAMAGE SHALL BE REPAIRED TO THE PRIOR CONDITION.
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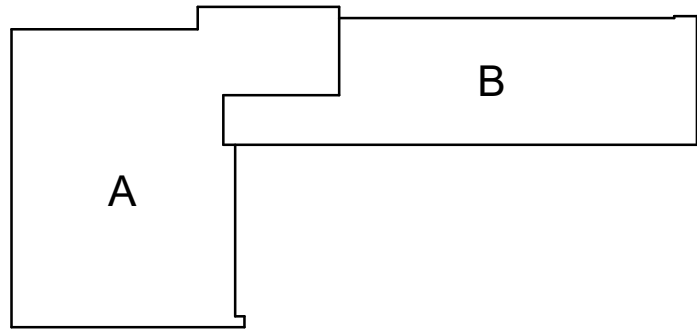
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KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

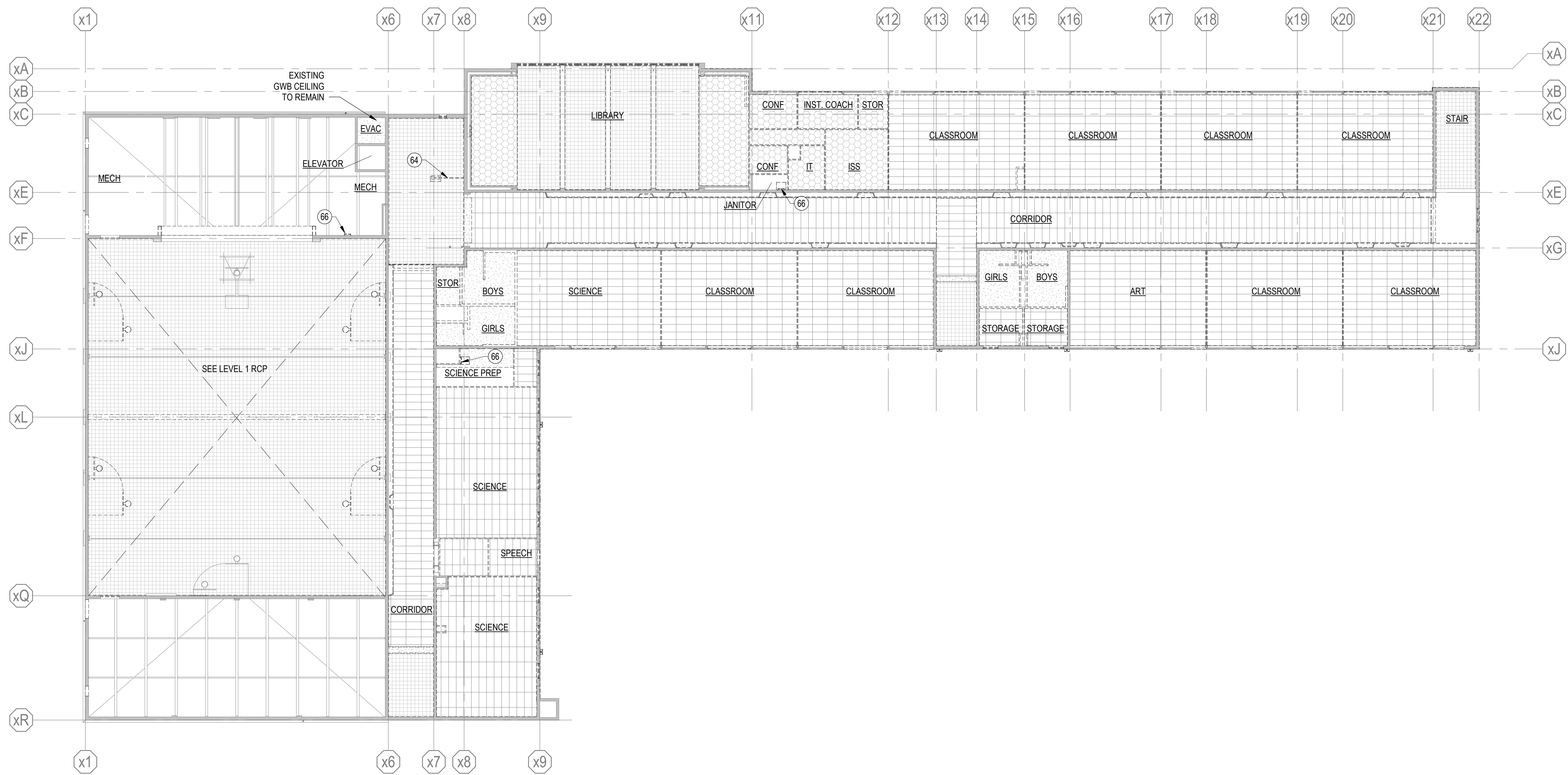
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Job No.:	21938.00
Drawn By:	MT
Checked by:	MT

Revisions	
#	Description

DEMO RCP -
LEVEL 1 -
OVERALL

AD131



TRUE NORTH
DEMO RCP - LEVEL 2- OVERALL
SCALE: 1/16" = 1'-0"

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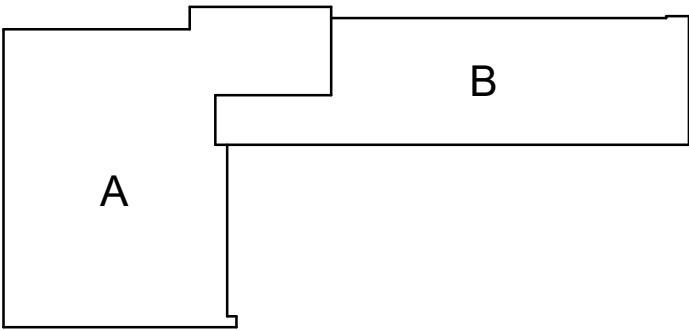
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DEMO RCP -
LEVEL 2 -
OVERALL

AD132

STEEL JOIST					
Reference Codes <ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 22SJI 100-16, 44th Edition Standard Specification Load Tables and Weight Tables Steel Joists and Joist Girders, K-Series, LH-Series, DLH-Series, Joist Girders					
Design <ol style="list-style-type: none">Joist depth and spacing shall be as indicated on the plans.Joist designations shown on the plans represent the minimum joist size that is to be provided in that location. Design joists to resist loads indicated in the notes, framing plans, details, and load plans, including construction loads.Provide joists that are cambered for dead load deflection.Design joists for net wind uplift indicated in the Wind Loads section of these notes, wherever this loading condition governs.In addition to loads shown in the notes, framing plans, details, and load plans, apply a minimum 500# load to be located at any point along the top or bottom chord. Design top and bottom chord for the maximum localized bending and shear that would result from that 500# load being applied between panel points.					
Coordination <ol style="list-style-type: none">The Contractor shall coordinate all connections for erection aids between the joist manufacturer and the steel detailer/fabricator.The Contractor shall coordinate all OSHA requirements between the joist manufacturer and the steel detailer/fabricator.					
Erection <ol style="list-style-type: none">Where load imposing connections are made to joists between panel points, reinforce the joist chord at that location according to the typical details.Provide joists with seat depths according to the SJI Specification, unless noted otherwise.					
Submittals <ol style="list-style-type: none">Provide design calculations showing that the joists provided are sufficient to resist all construction loads and in-place loads specified in the contract documents. Calculations and shop drawings shall be stamped and signed by a structural engineer registered in the project jurisdiction. Calculations and shop drawings must be approved by the Engineer and the Building Official prior to fabrication of the joists.					
COLD-FORMED METAL FRAMING					
Reference Codes <ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 22 AISI S100-16, North American Specification for the Design of Cold-Formed Steel Structural Members, including Supplement No. 1 Dated 2018. AISI S202-15, Code of Standard Practice for Cold-Formed Steel Framing AWS D1.3-08, Structural Welding Code - Sheet Steel					
Strength <table><tr><td>Material thickness < 54 mil</td><td>ASTM A1003, G33, 33 ksi</td></tr><tr><td>Material thickness 54 mil & greater</td><td>ASTM A1003, G50, 50 ksi</td></tr></table>		Material thickness < 54 mil	ASTM A1003, G33, 33 ksi	Material thickness 54 mil & greater	ASTM A1003, G50, 50 ksi
Material thickness < 54 mil	ASTM A1003, G33, 33 ksi				
Material thickness 54 mil & greater	ASTM A1003, G50, 50 ksi				
Design <ol style="list-style-type: none">Where required by the drawings, design cold-formed steel members and connections to resist construction and building loads described in these documents.					
Coordination <ol style="list-style-type: none">Structural walls are those shown in the structural drawings. Refer to architectural drawings for non-structural walls, partitions and soffits.					
Erection <ol style="list-style-type: none">Installation of cold-formed metal stud walls shall conform to ASTM C1007.The framing members shall have ends squarely cut by shearing or sawing, be installed plumb, square, true to line and securely fastened per the contract documents or according to the manufacturer's approved engineered connection design.Structural "C" members are not permitted to have splices or cut-outs in the flanges, unless shown in the drawings.Fastening of structural members shall be accomplished by screws, power actuated fasteners, welding, or a combination of methods. The type, size, and spacing shall be as required by the documents or according to the manufacturer's approved engineered connection design.Provide members and connectors with minimum protective coating of G-60 galvanized finish.Wherever protective coating is damaged or removed for the purpose of fastening, repair by painting with a zinc rich primer.					
Submittals <ol style="list-style-type: none">All designs required to be provided by the manufacturer shall include drawings and calculations, stamped and signed by a structural engineer registered to work in the jurisdiction of this project.					
DEFORMED BAR ANCHORS					
Reference Codes <ul style="list-style-type: none"> AWS D1.1/D1.1M-15, Structural Welding Code - Steel AISI 360-16, Specifications for Structural Steel Buildings					
Strength <p>ASTM A496 and requirements from Type C studs in accordance with AWS D1.1</p>					
Erection <ol style="list-style-type: none">Deformed Bar Anchors shall be installed per manufacturer's recommendation, using the manufacturer's specified equipment					
Submittals <ol style="list-style-type: none">Provide manufacturer's certification of conformity with AWS D1.1.					

SHEET LIST

Reference Codes

- International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 22
- AISC 360-16, Specifications for Structural Steel Buildings
- AISC 341-16, Seismic Provisions for Structural Steel Buildings

Strength

W Shapes, WT Shapes	ASTM A992 or A913, Gr 50	Fy = 50 ksi
Angles, Channels	ASTM A36	Fy = 36 ksi
HSS Square Structural Tube	ASTM A500, Gr C	Fy = 50 ksi
HSS Rectangular Structural Tube	ASTM A500, Gr C	Fy = 50 ksi
HSS Round Structural Tube	ASTM A500, Gr C	Fy = 46 ksi
Steel Pipe	ASTM A53, Gr B	Fy = 35 ksi
All other Steel Shapes	ASTM A572 or A588	Fy = 50 ksi
All Steel Plate, UNO	ASTM A572 or A588	Fy = 50 ksi
Steel Plate Designated as 36 ksi	ASTM A36	Fy = 36 ksi

- Plates 2" thick and thicker, that are part of the Lateral Force Resisting System, shall have a minimum Charpy V-notch toughness of 20 ft-lb at 70 degrees F, measured at any location permitted by ASTM A573.
- Hot rolled shapes that are part of the Lateral Force Resisting System shall have a minimum Charpy V-notch toughness of 20 ft-lb at 70 degrees F, tested in the alternate core location as described in ASTM A6.

Coordination

- Refer to architectural drawings for dimensions required for the location of steel elements including, but not limited to, framing around window and door openings, top of parapet and bottom of soffit elevations, wall locations, and edge of deck dimensions.

Erection

- The corners of continuity plates and stiffeners placed in the webs of rolled shapes that are part of the Lateral Force Resisting System shall be clipped according to AISC 341 Commentary F3.5b.4 and AWS D1.8 Connection Section 4.
- Weld access holes shall comply with the requirements of AISC 360, Section J1.6.
- Provide N-Bearing 3/4" diameter bolts through horizontal short slotted holes at beam shear connections, unless noted otherwise.
- Where connection is not accessible to Twist-off Bolt Guns, provide A325 Bolts with load indicator washers.
- All exterior exposed structural steel shall be hot-dip galvanized, unless noted otherwise.
- Unless otherwise noted, beams are equally spaced between dimension points.
- The Contractor shall be responsible for all erection aids and joint preparations.
- The Contractor shall be responsible for compliance with all current OSHA requirements.
- Modification to the structural steel, including holes and copes, shall not be made in the field without prior approval of the Engineer.

Submittals

- Shop drawings shall include the following information relative to the Lateral Force Resisting System:

a. Designate all members and connections that are part of the Lateral Force Resisting System.

b. Designate all shop welds that are Demand Critical.

c. Designate and dimension all protected zones.

d. Include welding requirements as specified in AWS D1.8 for moment connections.

WELDS

Reference Codes

- AWS D1.1/D1.1M-15, Structural Welding Code - Steel
- AWS D1.3-08, Structural Welding Code - Sheet Steel
- AWS D1.4/D1.4M-18, Structural Welding Code - Reinforcing Steel Bars
- AWS D1.6M1.8-16, Structural Welding Code - Seismic Supplement
- AISC 341-16, Seismic Provisions for Structural Steel Buildings

Strength

Electrodes:	Minimum yield strength = 70 ksi for all welding processes
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- Where welds are designated as demand critical, they shall be made with a filler metal capable of providing a minimum Charpy V-notch toughness of 20 ft-lb at -20 degrees F as determined by the appropriate AWS classification test method or manufacturer certification, and a minimum Charpy V-notch toughness of 40 ft-lb at 70 degrees F per AWS D1.8.
- All other weld used in members and connections in the Lateral Force Resisting System shall be made with a filler metal that can produce welds that have a minimum Charpy V-notch toughness of 20 ft-lb at 0 degrees F, as determined by the appropriate AWS A5 classification test method or manufacturer certification.

Erection

- Welding shall be performed in accordance with a welding procedure specification (WPS) as required in AWS D1.1. The WPS variables shall be within the parameters established by the filler metal manufacturer.
- Field welding symbols have not necessarily been indicated on the drawings. Where no field welding symbols are shown, it is the Contractor's responsibility to coordinate the use of shop and field welds.

Submittals

- All welders shall be AWS and WABO certified. Provide certification that each welder is prequalified per AWS D1.1 for each position and weld type that the welder will perform.
- Provide written Welding Procedure Specifications adhering to AWS D1.1 for all welds to be performed. Welding Procedure Specifications must be approved by the Owner's testing agency prior to fabrication or erection.
- Wherever a weld is indicated in the Lateral Force Resisting System, provide a Welding Procedure Specification which includes all essential variables of AWS D1.1 as well as the following:

a. Type of power source (constant current or constant voltage)

b. Manufacturer and trade name of electrodes used in Demand Critical welds

c. Manufacturer's certification of notch toughness requirements for electrodes used in Demand Critical welds.

BOLTS/RODS

Reference Codes

- AISC, Specification for Structural Joints Using ASTM A325 or A490 Bolts.

Strength

Erection Bolts in Steel	ASTM A307, Snug Tight
All other Bolts in Steel	ASTM F1852, Twist-off Tension Control Bolts
All Bolts in Wood	ASTM A307
Anchor Rods	ASTM F1554, Grade 55
Threaded Rods	ASTM A36
Hardener Steel Washers	ASTM A436
Nuts	ASTM A563, Heavy Hex Nuts

Erection

- Place hardened steel washers between nuts and slotted or oversized holes.
- All high-strength bolts shall be installed, tightened, and inspected in accordance with the AISC Specification for Structural Joints using ASTM A325 Bolts. The criteria for slip critical connections shall apply to all connections, unless noted as snug tight.
- Use galvanized bolts, rods, nuts and washers wherever used in exterior applications and wherever connecting galvanized steel elements.

Submittals

- Include anchor rod setting templates with all base plate shop drawings.

MASONRY REINFORCING SPLICE TABLE

Rebar Placement	fm	Rebar Size	Lap Splice
Center of Wall	2000 psi	#3	1'-0"
		#4	1'-3"
		#5	1'-4"

* = Mechanical splices must achieve 125% of the bar strength in tension. Continuous Special Inspection is Required.

MASONRY											
Reference Codes <ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 21 TMS 402/602-16, Building Code Requirements and Specifications for Masonry Structures											
Strength <table><tr><td>Masonry Units</td><td>ASTM C90, Grade N, Type 1, fm = 2000 psi, Block Compressive Strength = 2000 psi, Medium Weight</td></tr><tr><td>Reinforcing Steel</td><td>Deformed Bars shall be ASTM A615, Gr 60, Fy = 60 ksi, new billet stock, UNO</td></tr><tr><td>Welded Reinforcing Steel</td><td>ASTM A706, Fy = 60ksi</td></tr><tr><td>Grout</td><td>ASTM C476, Fc = 2000 psi at 28 days</td></tr><tr><td>Mortar</td><td>Max aggregate size = 3/8", Slump = 9" ±27-1" ASTM C270, Type S, Fc = 2000 psi at 28 days</td></tr></table>		Masonry Units	ASTM C90, Grade N, Type 1, fm = 2000 psi, Block Compressive Strength = 2000 psi, Medium Weight	Reinforcing Steel	Deformed Bars shall be ASTM A615, Gr 60, Fy = 60 ksi, new billet stock, UNO	Welded Reinforcing Steel	ASTM A706, Fy = 60ksi	Grout	ASTM C476, Fc = 2000 psi at 28 days	Mortar	Max aggregate size = 3/8", Slump = 9" ±27-1" ASTM C270, Type S, Fc = 2000 psi at 28 days
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Grout	ASTM C476, Fc = 2000 psi at 28 days										
Mortar	Max aggregate size = 3/8", Slump = 9" ±27-1" ASTM C270, Type S, Fc = 2000 psi at 28 days										
Coordination <ol style="list-style-type: none">Coordinate reinforcing steel placement details with structural embeds and embeds specified in other disciplines.No masonry work shall be penetrated for piping or ducts, unless shown in the drawings or approved by the Engineer in writing.Conduits embedded in CMU shall be maximum 1" diameter, located a minimum of 1 1/2" clear of all reinforcing and shall be spaced a minimum of 8" on center.Refer to architectural drawings for dimensions and elevations related to the masonry walls.											
Erection <ol style="list-style-type: none">Place grout in 4-0" lifts. Grout lifts may be increased up to 5'4" with written approval of the Engineer and the Building Official. Mechanically vibrate while placing grout to ensure that cells are completely filled.All CMU shall be fully grouted, unless noted otherwise.Provide vertical rebar positioners at 4'-0" max spacingProvide rebar splice lengths as shown in the drawings, with a minimum splice as required by the "MASONRY REINFORCING SPLICE TABLE."Lay blocks in running bond, unless noted otherwise.Non-Load Bearing Walls are shown as "NLB" in the drawings. All NLB walls extend full-height to the structure above, unless otherwise indicated in structural drawings. All walls noted to not extend full height, brace at maximum 4'-0" spacing according to typical detail.Partial Height Walls are shown as "PHW" in the drawings. Brace PHW at maximum 4'-0" spacing according to typical detail.Install expansion bolts in masonry into fully grouted cells with minimum 4" cover all around bolt.Install adhesive anchors in masonry into fully grouted cells with minimum 4" cover all around bolt or install in manufacturer's screen tube.											
Submittals <ol style="list-style-type: none">Provide coordinated shop drawings with 1/4" scale elevations of all walls with all reinforcing, openings, structural embeds and embedded items from other disciplines, all shown in conjunction and dimensioned relative to a common datum. Before submitting shop drawings for structural review, Mechanical and Electrical contractors must mark size and locations of all required penetrations and embeds on wall elevations.Provide certification to show that all rebar welders hold a current WABO certification and are prequalified according to AWS D1.4 for all weld sizes and positions required.											
MASONRY VENEER											
Reference Codes <ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 21 TMS 402/602-16, Building Code Requirements and Specifications for Masonry Structures											
Erection <ol style="list-style-type: none">Provide 9 gauge galvanized wire type seismic veneer ties, spaced at 16" on center horizontal and 16" on center vertical per typical detail. This applies where support structure is CMU, concrete, and/or metal studs.Provide 9 gauge ladder type galvanized joint reinforcement at veneer mortar joints as required to engage each veneer tie.Provide hot dip galvanized steel angles over all openings in masonry veneer per typical detail.											
METAL DECKING											
Reference Codes <ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 22 AISI 360-16, Specifications for Structural Steel Buildings AISI 341-16, Seismic Provisions for Structural Steel Buildings AWS D1.3-06, Structural Welding Code - Sheet Steel											
Strength <p>ASTM A653, Gr A, minimum yield 38 ksi.</p>											
Coordination <ol style="list-style-type: none">Deck gage shown in plan is the minimum gage required to conform to the structural design of the finished building. Provide a deck gage which meets this minimum requirement, as well as maximum span requirements, design for construction loads, and shoring requirements.Provide acoustic deck where required by structural or architectural drawings. Provide acoustic deck with perforated vertical webs and acoustical insulation in the low flutes.											
Erection <ol style="list-style-type: none">Layout deck to span continuously over a minimum of four supports, except where framing layout does not permit.Design and provide closure plates at all deck ends, including at floor openings, floor edges, and around columns.Fasten the deck to supporting framing with 3/4" diameter (5/8" effective diameter) puddle welds at each flute perpendicular to framing support and at spacing that match flute spacing parallel to framing support, unless noted otherwise. Welded shear studs may serve as substitute for puddle weld in composite deck systems.Fasten sidelaps of untopped deck with interlocking punch at 12" maximum spacing, unless noted otherwise.Fasten sidelaps of concrete topped deck with batten punch at 12" maximum spacing, unless noted otherwise.Provide G90 galvanized deck at exterior applications.Provide G80 galvanized deck at interior applications.Refer to architectural drawings for locations.											
Submittals <ol style="list-style-type: none">Provide design calculations showing that the deck provided is sufficient to resist all construction loads and in-place loads specified in the contract documents. Calculations and shop drawings shall be stamped and signed by a structural engineer registered in the project jurisdiction. Calculations and shop drawings must be approved by the Engineer and the Building Official prior to installation of the deck.											
SHEAR CONNECTOR STUDS											
Reference Codes <ul style="list-style-type: none"> AWS D1.1-10, Structural Welding Code - Steel AISI 360-16, Specifications for Structural Steel Buildings											
Erection <ol style="list-style-type: none">Shear connectors shall be installed per manufacturer's recommendation, using the manufacturer's specified equipment.Provide shear studs at a maximum spacing of 12" on center at all beams supporting a steel deck with concrete fill or a cast-in-place concrete slab, even if no stud quantity is shown in plan for that beam.See details referenced on plan for shear stud diameter and length.											
Submittals <ol style="list-style-type: none">Provide manufacturer's certification of conformity with AWS D1.1.											

CONCRETE REINFORCING SPLICE TABLE	
fc = 4000 psi, minimum	
Reinforcing Size	Lap Splice
	Tension Development Length Ld (inches)
Tension Lap Splice	
	Top Bars, Ldt (inches)
#3	15
#4	20
#5	25
#6	32
#7	38
#8	42
#9	48
#10	60
#11	66

- Lengths shown are for reinforcing satisfying the following spacing and cover dimensions (multiply lengths shown by 1.5 if these requirements are satisfied):
 - walls and slabs - clear cover > db & clear spacing > 2db
 - beams and columns - clear cover > db & clear spacing > db
- Top bars are horizontal beam reinforcing with more than 12" of concrete below.
- Tension lap splice lengths shown are for Class B splices (1.3xLd).
- Multiply lengths by 1.3 for lightweight concrete.
- For splices of different bar sizes: use max of Ld of larger bar or Ls of smaller bar.

LATERAL FORCE AND SEISMIC LOAD RESISTING SYSTEMS			
LATERAL FORCE RESISTING SYSTEM			
<p>1. Lateral-forces are transferred by the roof and floor diaphragms to the vertical lateral-force resisting elements (shearwalls, braced frames, moment frames). Moments and shears resulting from these lateral-forces are transferred to the foundation system by the vertical lateral-force resisting elements. Lateral-forces are distributed through this load path in proportion to the stiffness of the transferring and resisting elements. Lateral-forces are resisted by the foundation system through passive pressure of the adjacent earth, sliding friction resistance at the soil interface, and overturning resistance of the structure's tributary dead load.</p> <p>2. Any member designated "C" in the drawings is a chord/corridor and is a component of the Lateral Force Resisting System.</p> <p>3. Any wall designated "CC" in the drawings is participating in the Lateral Force Resisting System and is Demand Critical. See the Welding notes and the Special Inspection notes for requirements specific to Demand Critical welds.</p> <p>4. Discontinuities created by fabrication or erection operations, such as tack welds, erection aids, air-couping and thermal cutting are not allowed within the Protected Zone.</p> <p>5. Welded shear studs and decking attachments that penetrate the beam flange shall not be placed on the beam flanges within the Protected Zone.</p> <p>6. Welded, bolted, screwed or shot-in attachments for perimeter edge angles, exterior facades, partitions, duct work, piping or other construction shall not be placed within the Protected Zone. Refer to the drawings and these notes for definition of the Protected Zones.</p> <p>7. Where violations of the Protected Zone occur, inform the Architect/Engineer in writing. Repair the discontinuity as required by the engineer of record's written response. All repairs in the Protected Zone will be subject to special inspection by the owner's agent.</p>			
DESIGNATED SEISMIC LOAD RESISTING SYSTEM			
Concrete Shearwalls			
Lateral Load resisting elements at the existing Main Building include Ordinary Reinforced Concrete Shearwalls. All full height concrete walls, unless isolated on three edges from in-plane motion of the basic structural systems, shall be considered to be part of the seismic-force-resisting system and shall be used in the analysis to resist the lateral loads of the main building. Ordinary Reinforced Concrete Shearwalls are designated on the structural wall elevations in the drawings.			
Masonry Shearwalls			
Lateral Load resisting elements at the Auxiliary Gym include Special Reinforced Masonry Shearwalls. All full height masonry walls, unless isolated on three edges from in-plane motion of the basic structural systems, shall be considered to be part of the seismic-force-resisting system and shall be detailed according to the shearwall requirements in the drawings. Special Reinforced Masonry Shearwalls are designated as "MMF" in the drawings.			
REINFORCING			
Reference Codes			
<ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdictionACI 318-14, Building Code Requirements for Structural ConcreteACI 301-10, Specification for Structural ConcreteTMS 402/602-16, Building Code Requirements and Specifications for Masonry StructuresAWS D1.4/D1.4M-18, Structural Welding Code - Reinforcing Steel Bars			
Strength			
Deformed Bars (new billet stock)		ASTM A615	Fy = 60 ksi
Weldable Deformed Bars		ASTM A706	Fy = 60 ksi
Epoxy Coated Deformed Bars		ASTM A775	Fy = 60 ksi
Plain Welded Wire Fabric (electrically welded)		ASTM A185	Fy = 60 ksi
Fiber reinforced concrete shall conform to ACI Report 544.1R. Follow manufacturer's recommended mix quantity, but use no less than 1.5#/cu yd.			
CONCRETE			
Reference Codes			
<ul style="list-style-type: none">International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 19ACI 301-10, Specification for Structural ConcreteACI SP98 (04), ACI Detailing ManualACI 318-14, Building Code Requirements for Structural Concrete			
Strength			
Provide concrete mix design in accordance with ACI 301, and meeting the requirements of the "CONCRETE MIX DESIGN TABLE".			
Coordination			
<ol style="list-style-type: none">Conduits embedded within slabs, walls or beams shall be placed between rebar mats where double mats occur. The outside diameter of the conduit shall be smaller than 1/4 x the member thickness and shall be spaced greater than 4 x the conduit outside diameter.Coordinate reinforcing steel placement details with structural embeds and embeds specified in other disciplines. Utilize templates for placing steel in congested areas.No concrete work shall be penetrated for piping or ducts, unless shown in the drawings or approved by the Engineer in writing.			
Erection			
<ol style="list-style-type: none">Provide bar supports as required in the contract documents. Concrete dobs shall be minimum 4000 psi with cast-in double annealed 16 ga iron wires for tying. Wire chairs shall have Class 1 plastic tips.Provide cover as shown in drawings, with a minimum cover as required by the "CONCRETE REINFORCING COVER TABLE".Provide rebar splice lengths as shown in the drawings, with a minimum splice as required by the "CONCRETE REINFORCING SPLICE TABLE".Camber concrete forms as shown plus deflection due to the weight of wet concrete.One-way slabs shall be cambered 1/1000 of the span, unless noted otherwise on the drawings.Members of less than 18" shall be neglected.Air Content and Slump shall be measured at the truck discharge or at the end of the pump, wherever concrete is pumped. Slump shall be within ±1 1/2" of slump specified in the approved mix design submittal.Tie reinforcement into the correct positions using double annealed 16 ga iron wire. Use wire chairs at maximum 36 inch spacing in formed construction and concrete dobs at maximum 24 inch spacing at concrete cast against grade or rigid insulation to elevate the rebar into the designated positions and to maintain the required concrete cover.Cold Bend bars as noted in drawings to radius specified in ACI 315. Bend bars one time only.Trim bars may be omitted when the opening dimensions are less than the rebar spacing, for openings less than 12"x12". Relocate all interrupted rebar along one side of the opening and place an identical bar on the opposite side of the opening. Alternatively, where the interrupted bar is within 3" of opening edge, rebar may be sprung around the opening with no additional rebar provided on the opposite side of the opening.Provide 3/4" chamfer at all exposed concrete edges, unless noted otherwise.			
Submittals			
<ol style="list-style-type: none">Mix Designs meeting or exceeding the requirements of the "CONCRETE MIX DESIGN TABLE" must be submitted to and approved by the Engineer prior to use. Provide mix designs which correspond to anticipated placement requirements and finish conditions. Deviation from the specified mix design must be demonstrated to be in accordance with ACI 318, Chapter 26 and must be submitted a minimum of two weeks prior to use for approval by the Engineer, with a written explanation of the reason for deviating from the specified mix design. Approval of deviation from the specified mix design is at the discretion of the Engineer.Provide coordinated shop drawings with 1/4" scale elevations of all walls with all reinforcing, openings, structural embeds, and embedded items from other disciplines, all shown in conjunction and dimensioned relative to a common datum. Before submitting shop drawings for structural review, Mechanical and Electrical contractors must mark size and locations of all required penetrations and embeds on wall elevations.Provide certification to show that all rebar welders hold a current WABO certification and are prequalified according to AWS D1.4 for all weld sizes and positions required.Slab-on-Grade control joints shown in plan are schematic. Contractor shall provide control joint layout submittal to Engineer for approval showing all control joints that will be provided, conforming to the maximum joint spacing allowed.			
CONCRETE REINFORCING COVER TABLE			
Location	Size	Cover	
Cast against and permanently exposed to earth	All	3"	
Exposed to earth or weather	#5 or smaller	1 1/2"	
	#6 or larger	2"	
Interior Wall Faces	#11 or smaller	3/4"	
	#14 and #18	1 1/2"	
Slab-on-Grade cast against vapor barrier	#11 or smaller	1" (see note 1)	
	#14 and #18	1 1/2"	
Elevated Slabs	#11 or smaller	1" (see note 1)	
	#14 and #18	1 1/2"	
Interior Frames - Beams and Columns (to Ties, Spirals, or stirrups)	All	1 1/2"	
Exterior Frames - Beams and Columns (to Ties, Spirals, or stirrups)	All	2" (see note 2)	
Notes:			
1. Can be 3/4" for 1-hour fire - refer to code plan.			
2. Can be 1 1/2" for less than 4-hour fire rating, unless exposed to earth or weather - refer to code plan.			

GENERAL CONDITIONS

Typical details are not referenced at all locations for which they apply and may not be referenced at all. Details located on typical detail sheets represent the method of construction to be used at all locations, unless otherwise indicated in the drawings.

EXISTING CONDITIONS

Diagrams and dimensions of the existing conditions are provided for reference only. The general contractor must verify all dimensions and existing conditions prior to commencing work in the area of that existing condition. Notify the Architect/Engineer of any discrepancy prior to fabrication and execution of the work in the area of the discrepancy.

Fully coordinate all demolition plans and activities to users location and extent of structural and non-structural elements to be removed. Where there is a discrepancy between the demolition plans and the structural drawings describing the final built condition, contact the Engineer prior to fabrication and execution of the work in the area of the discrepancy.

Coordinate with the owner's representative to minimize disruption to the owner's operation and to provide building user and worker safety.

Coordinate with the owner's representative on approval for excessive noise and vibration during hours of building operation.

For all existing building materials and equipment to remain, provide protection from damage due to construction operations performed under this contract.

Any walls, floors, ceilings and/or equipment damaged as a result of construction operations, shall be repaired or replaced to match existing finish and condition.

Where walls, floors, or ceilings are removed only for the purpose of accessing an area of work in this contract, replace the walls, floors, and ceilings to match the original condition. Shore walls and floors as required until removed elements are replaced. Material and finishes for new walls, floors, and ceilings shall match surrounding surfaces unless noted otherwise. Maintain rating or replace with construction of the same rating at all existing fire and smoke rated construction.

Verify and maintain the location of existing plumbing, power, communications and data cables so as to not interrupt the continuity of their services, unless noted otherwise.

Leave all areas of work broom and dust clean at hard surfaces and vacuum clean at carpeted surfaces.

DEMOLITION

Refer to demolition drawings for the extent and requirements of demolition work. Coordinate location and extent of demolition work with the structural drawings to achieve the final built condition described therein. Notify Architect/Engineer of any discrepancies between the structural, architectural and demolition drawings prior to commencing demolition.

The general contractor shall be responsible for the sequences of demolition, for providing all temporary shoring and bracing as needed to safely resist all loads while the existing structure may experience during demolition.

Where temporary shoring or bracing is required, retain the services of a structural engineer registered in the project jurisdiction to design and detail the bracing of that equipment for the gravity and lateral forces prescribed by the reference code. Submit the stamped and signed design documents to the project jurisdiction as a deferred submittal for approval prior to performing the work.

Repair or replace any structural elements damaged during demolition to match the strength, quality, and appearance of the existing condition. Retain the services of a structural engineer registered in the project jurisdiction to design the repair/replacement of a damaged element where the strength and quality of the existing element is not evident. Submit the stamped and signed design documents to the project jurisdiction as a deferred submittal for approval prior to performing the work.

Additional openings shown through existing concrete walls and concrete slabs shall be sawcut at least 1" deep on both faces of concrete prior to removing material, all around openings. Do not overcut at corners. Edge of openings shall be finished as required to complete referenced details and/or to not interfere with MEP routing. Core drilling is only acceptable if referenced in specific details.

Remove all demolition materials from the site unless otherwise noted and dispose of it in a legal manner.

COORDINATION

The written specifications and the drawings of the architectural, mechanical, electrical and civil/space disciplines are to be used in conjunction with the structural drawings for bidding and construction.

Dimensions for some secondary elements such as windows, doors, walls and floor edges are located only in the architectural drawings. Shop drawing production for structural elements will require dimensional information contained in both the architectural and structural drawings. All requests for dimensions in shop drawing submittals will be referred to the general contractor.

The contractor shall coordinate dimensions and conditions between the drawings (including the architectural, mechanical, electrical and civil/space disciplines), the specifications, and the site conditions prior to fabrication and construction. Notify Architect/Engineer in writing of any discrepancies in dimensions or conditions found prior to fabricating and executing work in the area of the discrepancy. Architect/Engineer will respond in writing according to the provisions of the general conditions found in the specifications. Any related work performed by the contractor between the discovery the discrepancy and receipt of the Architect's/Engineer's written response will be done at the contractor's risk.

Where the bracing of mechanical, plumbing, fire-suppression and/or electrical equipment is not specifically detailed in the mechanical, plumbing, fire-protection and/or electrical drawings or specifications retain the services of a structural engineer registered in the jurisdiction of this project to design and detail the bracing of that equipment for the gravity and lateral forces prescribed by the governing building code. Submit the stamped and signed design documents to the project jurisdiction as a deferred submittal for approval prior to performing the work.

Where the bracing of ceilings and other architectural elements is not specifically detailed in the architectural drawings or specifications retain the services of a structural engineer registered in the jurisdiction of this project to design and detail the bracing of those elements for the gravity and lateral forces prescribed by the governing building code. Submit the stamped and signed design documents to the project jurisdiction as a deferred submittal for approval prior to performing the work.

Provide coordination drawings showing all anticipated penetrations through the structural elements shown in these drawings. No penetrations through structural elements shall be allowed unless already indicated in the structural drawings or approved in writing by the structural engineer.

SUBMITTALS

Construction utilizing any given material shall not occur until the approved submittals for that material are received from the Architect/Engineer.

FOUNDATION

Reference Codes

- International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 18

Strength

Capacities are based on geotechnical report including addendum No. 1 by: PBS
project #: 73400.004
dated: Report July 7, 2020, addendum No. 1 April 2, 2021

Allowable soil bearing pressure	2,500 psf, 3,300 psf Seismic
Passive equivalent fluid pressure	250 psf
Coefficient of friction	0.30
Retaining wall allowable soil bearing pressure	2,000 psf
Active earth pressure, fill retaining walls with flat backfill	32 psf
Active earth pressure, cut retaining walls with up to 35% sloped native backfill	52 psf
Lateral surcharge loads from vertical surcharge (a) within 0.5H of fill walls	0.25q
Lateral surcharge loads from vertical surcharge (a)	0.45q

COORDINATION

Coordinate grading and excavating requirements with civil/landscape drawings. Building 1 footings are designed to bear on undisturbed native soils or compacted structural fill, as described in the Geotechnical Report, over undisturbed native soils. Auxiliary GYM foundations, Auxiliary canopy foundations, and vestibule foundations are designed to bear on stone aggregate columns per the performance specifications as outlined by the geotechnical engineer. See sheet S100.0C for additional info.

1. Footing excavations shall be cleaned of all loose soil, leveled, and protected from water and construction traffic.

2. Refer to geotechnical report and follow recommendations specific to wet weather earthwork.

3. Refer to geotechnical report and follow recommendations specific to temporary cut slopes.

SUBMITTALS

Provide design calculations, size, spacing, and embedment depth of the stone aggregate columns to demonstrate the system meets the performance specifications as outlined by the geotechnical engineer. Submittals shall be stamped and signed by an engineer registered in the project jurisdiction.

Suitability of soils for bearing is as described in the geotechnical report. Soil bearing surfaces must be observed and approved by the geotechnical engineer of record prior to pouring foundation concrete. Submit the written field report by the geotechnical engineer of record to the Architect/Engineer for review.

CONSTRUCTION ADMIN																							
Deferred Submittals																							
The following items are defined as Deferred Submittal Structural Components:																							
<ul style="list-style-type: none">• Soil Improvement (Design and Layout)• Concrete Mix• Precast Concrete• Hollow Core Plank• Metal Stud Systems• Steel Joists• Metal Deck• Steel Stairs and Landings• Temporary Shoring/Bracing of Existing Structure• Mechanical Unit Curb and Vibration Isolating system																							
1. Deferred Submittal components are intended to be vendor designed and have not been designed by the Architect/Engineer. Refer to the drawings, the specifications, and the material sections of these general notes for design and submittal requirements.																							
2. Deferred Submittal components have not been permitted under the base building application. The contractor shall submit the approved submittals for the Deferred Submittal components to the building official. Deferred Submittal components shall not be installed until the building official has permitted the Deferred Submittal.																							
3. When the manufacturer is registered and approved to perform work without special inspection, the Contractor is to submit to the Building Official certificates of compliance from the manufacturers at the completion of manufacture stating that the work was performed in accordance with the approved construction documents.																							
Structural Observations																							
1. Structural Observation by the Structural Engineer is for the purpose of confirming general conformance of the construction with the design intent of the structure.																							
2. Structural observations will occur as required to confirm general conformance of the construction with the design intent of the structure.																							
3. Structural Observation is not intended to review the Contractor's construction procedures or the Contractor's conformance with the contract.																							
4. Structural Observation is not intended to replace the required Special Inspection program.																							
Special Inspection																							
Special inspections shall be performed by an agency which:																							
<ol style="list-style-type: none">1. Is employed by the owner;2. Is qualified to perform special inspection activities in accordance with IBC Section 1704.2;3. Has been approved by the building official to perform special inspections.																							
The special inspector shall provide written documentation of qualifications per IBC section 1704.2.1.																							
The special inspector shall furnish inspection reports and a final report in accordance with IBC Section 1704.2.4.																							
The construction or work for which special inspection is required shall remain accessible and exposed for special inspection purposes until completion of the required special inspections.																							
Each contractor responsible for the construction of a main wind- or seismic force-resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility to the building official and the owner prior to the commencement of work on the system or component. The contractor's statement of responsibility shall contain acknowledgement of awareness of the special requirements contained in the statement of special inspection.																							
Fabricators																							
The special inspector shall verify fabrication and implementation procedures of the following items per IBC Section 1704.2.5 unless the fabricator is registered and approved by the building official to perform such work without special inspection. At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building official stating that the work was performed in accordance with the approved construction documents.																							
<ol style="list-style-type: none">1. Structural Steel - to include the requirements of AISC 360 Chapter N.2. Ready Mix Concrete3. Light-gage Steel Studs4. Light-gage Metal Deck																							
SUBMITTALS TO SPECIAL INSPECTOR																							
<table><tr><td>Welding</td><td>Structural Steel Light Gage Steel Reinforcing Welding</td><td>AWS D1.1 Prequalification AWS D1.3 Prequalification AWS D1.4 Prequalification WABO Certified (all welders)</td></tr><tr><td>Bolting</td><td>High Strength Bolts</td><td>Manufacturer's Letter of Certification</td></tr><tr><td>CMU Walls</td><td>Block Units Grout Mortar</td><td>Manufacturer's Letter of Certification Manufacturer's Letter of Certification Manufacturer's Letter of Certification</td></tr><tr><td>Adhesive Anchor</td><td>Epoxy Adhesive</td><td>Manufacturer's Letter of Certification</td></tr><tr><td>Concrete</td><td>All Concrete Material</td><td>All trip tickets, including water/cement ratio in truck</td></tr><tr><td>Slab-on-Grade</td><td>Concrete</td><td>In place water/cement ratio test results</td></tr><tr><td>Metal Deck Topping</td><td>Concrete</td><td>In place water/cement ratio test results</td></tr></table>			Welding	Structural Steel Light Gage Steel Reinforcing Welding	AWS D1.1 Prequalification AWS D1.3 Prequalification AWS D1.4 Prequalification WABO Certified (all welders)	Bolting	High Strength Bolts	Manufacturer's Letter of Certification	CMU Walls	Block Units Grout Mortar	Manufacturer's Letter of Certification Manufacturer's Letter of Certification Manufacturer's Letter of Certification	Adhesive Anchor	Epoxy Adhesive	Manufacturer's Letter of Certification	Concrete	All Concrete Material	All trip tickets, including water/cement ratio in truck	Slab-on-Grade	Concrete	In place water/cement ratio test results	Metal Deck Topping	Concrete	In place water/cement ratio test results
Welding	Structural Steel Light Gage Steel Reinforcing Welding	AWS D1.1 Prequalification AWS D1.3 Prequalification AWS D1.4 Prequalification WABO Certified (all welders)																					
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Slab-on-Grade	Concrete	In place water/cement ratio test results																					
Metal Deck Topping	Concrete	In place water/cement ratio test results																					
Inspector to review submittals before installation begins. Inspector must inspect job from approved & stamped design & shop drawings, including all clarifications, both written & in drawing form.																							
WOOD																							

Reference Codes	
• International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 23	
• West Coast Lumber Inspection Bureau Standard Grading Rules for West Coast Lumber No. 16, latest edition.	
• ANSI/AWC NDS-2018, National Design Specification (NDS) for Wood Construction, with 2018 Supplement	
• ANSI/AWC SDPWS-2015, Special Design Provisions for Wind and Seismic	
Strength	
2x Joists and Built-Up Members	Douglas Fir-Larch No. 2
2 & 3x Beams and Posts	Douglas Fir-Larch No. 2
2x Wall Studs	Douglas Fir-Larch No. 2
6x & Larger Beams and Stringers	Douglas Fir-Larch No. 2
6x & Larger Posts and Timbers	Douglas Fir-Larch No. 1
Studs and Plates	Douglas Fir-Larch No. 1
Misc. Light Framing	Douglas Fir-Larch No. 2
T&G Decking	Douglas Fir Commercial Grade
Design	
1. Where required by the drawings, design premanufactured wood joist, trusses and connectors to resist construction and building loads described in these documents.	
Coordination	
1. Structural walls are those shown in the structural drawings. Refer to architectural drawings for non-structural walls, partitions and soffits.	
Execution	
1. Provide ASTM A307 bolts, unless noted otherwise.	
2. Provide standard washers at all bolt heads and nuts.	
3. All exterior bolts, nuts, and washers shall be galvanized.	
4. Provide nails conforming to "Common" specification ASTM F1667.	
5. Timber connectors fastened by bolt letters and numbers shall be by Simpson Strong Tie Company, Inc. Provide fasteners of the size required by the manufacturer, in each hole.	
6. All wood plates, ledgers, and blocking in direct contact with concrete or masonry shall be pressure-treated with an American Wood Preservers Association (AWPA) approved preservative. Alternatively per IBC Section 2304.11, for some exceptions, impervious moisture barriers may be provided between untreated masonry and concrete or masonry.	
7. All metal fasteners and connectors in contact with treated wood shall be G-90 galvanized or stainless steel. When using galvanized fasteners, the contractor shall coordinate the galvanization process with the chemical composition of the wood treatment.	
8. At joint areas: provide cross-bracing at 8'-0" on center maximum. Provide solid blocking or continuous rim at all bearing points. Provide solid blocking under all bearing walls above.	
9. Provide double joist under all parallel partitions that extend over more than half the joist length. Provide double joists each side of all openings in floors and roofs unless detailed otherwise. Coordinate size and location of all openings with architectural and Mechanical drawings.	
10. Provide two 2x10 headers over and double studs each side of all openings in stud bearing walls unless noted otherwise.	
11. Provide solid blocking at floors for wood columns and multiple stud posts to pass through.	
12. Provide continuous solid blocking at mid-height of all stud walls over 10'-0" in height.	
13. All stud walls unless noted otherwise shall be 2x4 at 16 inches on center at interior walls and 2x6 at 16 inches on center at exterior walls.	
14. Use full-length studs (balloon frame) on exterior walls at stairways and at vaulted ceilings.	
15. All wood stud walls shall have lower wood plates attached to wood framing below with 16d nails at 6 inches on center, staggered or bolted to concrete with 5/8 inch diameter anchor bolts at 4'-0" on center unless noted otherwise on the plans. All anchor bolts shall have 3 x 3 x 0.229 inch plate, washers and minimum embedment of 7 inches in concrete.	
16. Plywood wall sheathing shall have solid blocking at all edges. Provide the following minimum nailing unless noted otherwise on plans:	
a. 8d at 6 inches on center at sheet edge.	
b. 8d at 12 inches on center at intermediate bearing points.	
Submittals	
1. All designs required to be provided by the manufacturer shall include drawings and calculation, stamped and signed by a structural engineer registered to work in the jurisdiction of this project.	

STATEMENT OF SPECIAL INSPECTIONS

Seismic Requirements (IBC 1704.3.2)

Special Inspections for Seismic Resistance (IBC 1705.12)

Seismic Structural Steel and Steel Elements (IBC 1705.12.1, 1705.12.1.2 and AISC 341 Chapter J):

Special inspection for structural steel seismic force-resisting systems (moment frames, braced frames, steel plate shear walls, etc) and structural steel elements (struts, collectors, chords, foundation elements, etc) shall be in accordance with the quality assurance (QA) requirements of AISC 341 and as noted below:

1. The special inspector shall provide written documentation of practices and personnel as required by AISC 341 sections J3 and J4.

2. Inspection of welding shall be in accordance with AISC 341 Section J6 and Tables J6-1, J6-2, and J6-3, inspection tasks prior, during, and after welding.

3. Inspection of high-strength bolting shall be in accordance with AISC 341 Section J7 and Tables J7-1, J7-2, and J7-3, inspection tasks prior, during, and after bolting.

4. Inspection of protected zones and reduced beam section moment frames shall be in accordance with AISC 341 Section J8 and table J8-1.

5. Inspection of composite structures shall be in accordance with AISC 341 section J9 and table J9-1, J9-2, and J9-3, inspection tasks prior, during and after concrete placement.

Structural Wood Construction (IBC 1705.12.2):

Structural Wood seismic force-resisting systems (shear walls, diaphragms, collectors, drag struts, hold downs, etc) shall be inspected in accordance with IBC Section 1705.12.2.

Structural Cold-Formed Steel Light Frame Construction (IBC 1705.12.3):

Cold-formed steel light frame seismic force-resisting systems (shear walls, braces, diaphragms, collectors, drag struts, hold downs, etc) shall be inspected in accordance with IBC Section 1705.12.3.

Designated Seismic Systems (IBC 1705.12.4):

The special inspector shall examine architectural, mechanical, and electrical components, supports, and attachments indicated in Table 13.2-1 of ASCE 7 and verify that the label, anchorage or mounting conforms to the certificate of compliance required by Sections 13.2.1 and 13.2.2 of ASCE 7.

Architectural Components (IBC 1705.12.5):

Periodic special inspection is required during erection and fastening of exterior cladding, interior and exterior veneer, and interior and exterior non-bearing walls over 30 feet in height above grade or walking surface, and for anchorage of access floors. Inspection and limitations to be per IBC Section 1705.12.5.

Mechanical, Electrical and Plumbing Components (IBC 1705.12.6):

Periodic special inspection is required during the installation and anchorage of the following items:

1. Electrical equipment for emergency or standby power systems.

2. Piping systems designed to carry hazardous materials and their associated mechanical units.

3. Ductwork designed to carry hazardous materials.

4. Vibration isolation systems where a nominal clearance of 1/4 inch (6.4 mm) or less is required between the equipment support frame and restraint.

5. Minimum clearances of Mechanical and electrical equipment, including duct work, piping systems and their structural supports per IBC section 1705.12.6.6 and ASCE 7 Section 13.2.3

Storage Racks (1705.12.7):

Periodic special inspection is required during the anchorage of storage racks 8 feet (2438 mm) or greater in height per IBC Section 1705.12.7.

Seismic Isolation Systems (IBC 1705.12.8)

Periodic special inspection is required during the fabrication and installation of seismic isolation systems in accordance with IBC Section 1705.12.8.

Cold-Formed Steel Special Bolted Moment Frames (IBC 1705.12.9)

Periodic special inspection is required during the installation of cold-formed special bolted moment frames in accordance with IBC Section 1705.12.9.

Testing and Qualification for Seismic Resistance (IBC 1705.13)

Seismic Structural Steel and Steel Elements (IBC 1705.13.1 and AISC 341):

Nondestructive testing for welded joints within the structural steel seismic force-resisting system shall be in accordance with section J6.2 of AISC 341. This includes testing of k-area welds, CJP Groove welds, where base material is greater than 1.5" thick, welded splices, thermally cut surfaces or beam copes and access holes, reduced beam section repairs, and weld tab removals.

Concrete Reinforcement (IBC 1705.12 Item 1 and 1705.12.1):

Certified mill test reports indicating compliance with Section 20.2.2 of ACI 318 shall be provided for each shipment of reinforcement used in those elements designated in the drawings as shear walls, moment frames, and coupling beams.

Seismic Certification of Designated Seismic Systems (IBC 1705.13.3)

Manufacturer's certification of seismic qualification in accordance with Section 13.2.2 of ASCE 7 shall be provided for active mechanical and electrical equipment that must remain operable following the design earthquake ground motion and for components with hazardous substances.

Seismic Certification of Architectural, Mechanical and Electrical Components (IBC 1705.13.2):

Manufacturer's certification of seismic qualification by analysis, testing or experience data in accordance with ASCE 7 Section 13.2 as well as the applicable sections indicated in ASCE 7 Table 13.2-1 shall be provided for architectural, mechanical and electrical components, supports and attachments per IBC Section 1705.13.2.

Wind Requirements (IBC 1705.11)

Special inspections for wind resistance are not required.

WOOD STRUCTURAL PANELS

Reference Codes

• International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 23

• ANSI/AWC NDS-2018, National Design Specification (NDS) for Wood Construction, with 2018 Supplement

• ANSI/AWC SDPWS-2015, Special Design Provisions for Wind and Seismic

Strength

Wood Structural Panels shall be grade Structural I.

Exterior glue panel shall be in conformance with the building code, United States Voluntary Product Standards PS-1 or PS-2.

Execution

1. Stagger panel end joints.

2. Provide approved edge clips at 24 inches on center at unblocked roof and floor sheathing edges.

3. Provide 1/8 inch gap between all abutting panel edges.

4. Provide the following minimum nailing unless noted otherwise on plans:

a. 8d at 6 inches on center at all supported panel edges.

b. 8d at 12 inches on center field nailing.

GLUED-LAMINATED TIMBER (GLULAM)

Reference Codes

• International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 23

• ANSI/AITC A190.1 - 2017, Standard for Wood Products - Structural Glue Laminated Timber

• ASTM D3737

• ANSI/AWC NDS-2018, National Design Specification (NDS) for Wood Construction, with 2018 Supplement

Strength (unless noted otherwise in drawings)

Glulams, simply supported

Glulams, cantilevers or continuous over supports

Douglas Fir Combination 24F-V4
Douglas Fir Combination 24F-V8

Coordination

1. All Glulams are architectural grade where exposed to view, unless noted otherwise.

2. Locate AITC identification mark where it will not be exposed to view in the finished building.

Execution

1. Camber all glulams to a 2,000 foot radius unless noted otherwise. Install glulams with positive camber up.

2. Provide fasteners and connectors according to "WOOD" section of these notes.

Submittals

1. Provide shop drawings, detailing all framing members and connections.

2. Keep AITC certificate of conformance on file for all glulam members.

STRUCTURAL COMPOSITE LUMBER

Reference Codes

• International Building Code (IBC), 2018 edition, as adopted and amended by the project jurisdiction, Chapter 23

• ICC-ES ESR-1387

Strength (unless noted otherwise in drawings)

Laminated Veneer Lumber (LVL)

Parallel Strand Lumber (PSL)

Laminated Strand Lumber (LSL)

Grade 1.8E
Grade 2.0E
Grade 1.3E

Coordination

1. Locate identification marks where it will not be exposed to view in the finished building.

Execution

1. Provide fasteners and connectors according to "WOOD" section of these notes.

Submittals

1. Provide shop drawings, detailing all framing members and connections.

STATEMENT OF SPECIAL INSPECTIONS (cont.)		
Steel Construction (IBC 1705.2 and AISC 360 Chapter N) Special inspection for structural steel shall be in accordance with the quality assurance (QA) requirements of AISC 360. Inspection of welding shall be in accordance with: <ul style="list-style-type: none">1. AISC 360 sections N4.2 and N5.42. AISC 360 Table N5.4.1 - Inspection Tasks Prior to Welding3. AISC 360 Table N5.4.2 - Inspection Tasks During Welding4. AISC 360 Table N5.4.3 - Inspection Tasks After Welding5. Nondestructive testing of welded joints shall be in accordance with AISC 360 sections N4.3 and N5.5 Inspection of high-strength bolting shall be in accordance with: <ul style="list-style-type: none">1. AISC 360 sections N5.62. AISC 360 Table N5.6.1 - Inspection Tasks Prior to Bolting3. AISC 360 Table N5.6.2 - Inspection Tasks During Bolting4. AISC 360 Table N5.6.3 - Inspection Tasks After Bolting Other inspection tasks, including inspection of anchor rods and embedments supporting structural steel shall be in accordance with AISC 360 N5.8. Inspection of composite construction, including steel deck, headed stud anchors shall be in accordance with: <ul style="list-style-type: none">1. AISC 341 Section J92. AISC 341 Tables J9.1 - J9.3 Quality assurance inspections, testing and report submittal shall be in accordance with AISC 360 sections N5.2 and N7.		
Cold-Formed Steel Deck (IBC 1705.2.2) Special inspections and qualification of welding special inspectors for cold-formed steel floor and roof deck shall be in accordance with the quality assurance inspection requirements of SDI QA/QC and in accordance with IBC Section 1705.2.2.		
Open-Web Steel Joists and Joist Girders (IBC 1705.2.3) Special inspections for open-web steel joists and joist girders shall be in accordance with: <ul style="list-style-type: none">1. IBC Section 1705.2.32. IBC Table 1705.2.3 - Required Special Inspection of Open-Web Steel Joists and Joist Girders		
Cold-Formed Steel Trusses Spanning 60 feet or Greater (IBC 1705.2.4) Special inspections for cold-formed steel trusses with a span greater than 60 feet shall be in accordance with IBC Section 1705.2.4.		
Concrete Construction (IBC 1705.3) Special inspection for concrete construction shall be in accordance with IBC Table 1705.3 - Required Verification and Inspection of Concrete Construction.		
Masonry Construction (IBC 1705.4) Special inspections for masonry construction shall be in accordance with the quality assurance requirements of TMS 402-16 section 1.3 and TMS 602-16 section 1.6. (see for risk categories I, II, or III) 1. Inspection and testing of CMU shall be in accordance with TMS 602-16 Table 3 and Table 4, (Level 2 Quality Assurance) 2. Inspection of Masonry Veneer shall verify compliance with the approved submittals. (Level 1 Quality Assurance)		
Wood Construction (IBC 1705.5) Special inspections for wood construction shall be in accordance with IBC 1705.5 Per IBC Section 1705.5.1, diaphragm special inspection shall include inspection of: <ul style="list-style-type: none">1. Wood structural panel sheathing grade and thickness2. Nominal size of framing members at adjoining structural panel sheathing3. Fastener (nail or staple) diameter and length, the number of fastener lines, and the spacing between fasteners in each line and at edge margins		
Metal-plate-connected wood trusses; Special inspections of wood trusses with overall heights of 60 inches (1524 mm) or greater shall be performed to verify that the installation of the permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package per IBC Section 1705.5.2. For wood trusses with a clear span of 60 feet (18 288 mm) or greater, the special inspector shall verify during construction that the temporary installation restraint/bracing is installed in accordance with the approved truss submittal package per IBC Section 1705.5.2.		
Soils (IBC 1705.6) Special inspection for existing site soil conditions, fill placement and load-bearing requirements shall be in accordance with: <ul style="list-style-type: none">1. IBC 1705.62. IBC Table 1705.6 - Required verification and Inspection of Soils		
Driven Deep Foundations (IBC 1705.7) Special inspections and tests during installation of driven deep foundation elements shall be in accordance with IBC Section 1705.7.		
Cast-in-Place Deep Foundations (IBC 1705.8) Special inspections and tests during installation of cast-in-place deep foundation elements shall be in accordance with IBC Section 1705.8.		
Helical pile Foundations (IBC 1705.9) Continuous special inspections during installation of helical pile foundation elements shall be in accordance with IBC Section 1705.9.		
Fabricated Items (IBC 1705.10) Special inspections of fabricated items shall be in accordance with IBC Section 1705.10.		
Sprayed Fire-Resistant Materials (IBC 1705.14) Exterior glue shall be in accordance with the building code, United States Voluntary Product Standards PS-1 or PS-2.		
Mastic and Intumescent Fire-Resisting Coatings (IBC 1705.15) Special inspection for mastic and intumescent fire-resistant materials shall be in accordance with IBC Sections 1705.15 and AWC1 12-8		
Exterior Insulation and Finish Systems (IBC 1705.16) Special inspection for exterior insulation and finish systems shall be in accordance with IBC Sections 1705.16		
Fire-Resistant Penetrations and Joints (IBC 1705.17) Special inspection for fire-resistant penetrations and joints shall be in accordance with IBC Sections 1705.17, 1705.17.1, and 1705.17.2		
Smoke Control (IBC 1705.18) Special inspection for smoke control systems shall be in accordance with IBC Sections 1705.18		
Soil Improvement, Stone Aggregate Columns (Similar to IBC 1705.7) Special inspections shall be as recommended by the Geotechnical Engineer to insure the soil improvement is installed per the approved submittal(s) and the final installed system meets the outlined performance specifications.		
Abbreviations *MISC " INCH, INCHES # NUMBER OR POUND % PERCENT & AND FOOT, FEET = EQUAL @ AT CL CENTERLINE FL FLAT PLATE L ANGLE PL PLATE SQ/FT SQUARE FOOT ° DEGREE + PLUS OR MINUS Ø DIAMETER ≤ LESS THAN OR EQUAL TO ≥ MORE THAN OR EQUAL TO AB ANCHOR BOLT ACI AMERICAN CONCRETE INSTITUTE ADD ADDENDUM ADDL ADDITIONAL ADH ADHESIVE ADJ ADJACENT AEC ARCHITECTURAL, STRUCTURAL and ENGINEERING AESS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALT ALTERNATE ANCH ANCHOR, ANCHORAGE ANSI AMERICAN NATIONAL STANDARDS INSTITUTE APPROX APPROXIMATE AR ANCHOR ROD ARCH ARCHITECT, ARCHITECTURAL ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS ATR ALL THREADED REBAR AWS AMERICAN WELDING INSTITUTE B BALANCE BCX BOTTOM CHORD EXTENSION BF BRACED FRAME BLDG BUILDING BLKG BLOCKING BM BEAM BOD BOTTOM OF DECK BOF BOTTOM OF FOOTING, FOUNDATION BOS BOTTOM OF STEEL BOT BOTTOM BP BASE PLATE or BUTTON PUNCH BRB BUCKLING RESTRAINT BRACE BRG BEARING BS BOTH SIDES BSMT BASEMENT BTWN BETWEEN C COLLECTOR C CAMBER or CHANNEL C-C CENTER TO CENTER C-GROUT COURSE GROUT CANT CANTILEVER CF CUBIC FOOT CFP POLY FIBER REINFORCING (SEE SPECS) CIP CAST-IN-PLACE CJ CONTROL JOINT CL COMPLETE JOINT PENETRATION CL CENTERLINE CLR CLEAR, CLEARANCE CMU CONCRETE MASONRY UNIT COL COLUMN COMP COMPOSITE or COMPRESSION CONC CONCRETE CONFIG CONFIGURATION CONN CONNECTION CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR COORD COORDINATE CSI CONCRETE REINFORCING STEEL INSTITUTE CTR CENTER, CENTERED CU CUBIC CW CURTAIN WALL CY CUBIC YARD d PENNY (NAIL) DBA DEFORMED BAR ANCHOR DBL DOUBLE DC DEMAND CRITICAL DEG DEGREE DEMO DEMOLISH, DEMOLITION DIA DIAMETER DIAG DIAGONAL DIAPHRAGM DIAPHRAGM DIM DIMENSION DISC DISCONTINUOUS DL DEAD LOAD DN DOWN DITTO DP, D DEEP, DEPTH DTL DETAIL, DRAWINGS DWG, DWGS DRAWING, DRAWINGS DWL, DWLS DOWEL, DOWELS E EACH EA EACH EB EXPANSION BOLT EF EACH FACE EJ EXPANSION JOINT EL ELEVATION ELECT ELECTRICAL ELEV ELEVATOR EMBED EMBEDMENT ENGR ENGINEER EOD EDGE OF DECK EOS EDGE OF SLAB EQ EQUAL EQ, EQUIP EQUIPMENT ES EACH SIDE EW EACH WAY EXIST, (E) EXISTING EXP EXPANSION EXT EXTERIOR		
F F-GROUT FINE GROUT FAB FABRICATE FB FLAT BAR FCJ FLOOR CONTROL JOINT FDN, FDTN FOUNDATION FFE FINISH FLOOR ELEVATION FIL FILLET FIN FINISH FLG FLANGE FLJ FERRULE LOOP INSERT FLR FLOOR FOB FACE OF BRICK FOC FACE OF CONCRETE FOM FACE OF MASONRY FOS FACE OF STUD FOV FACE OF VENEER FOW FACE OF WALL FRC FLANGE BAR COUPLER FRMG FRAMING FSR FAR SIDE FT FOOT, FEET FTG FOOTING G GAUGE, GAGE GALV GALVANIZED GB GRAD BEAM GC GENERAL CONTRACTOR GLB GLUE LAMINATED BEAM GP GUSSET PLATE GR GRADE, GRADING GW GYPSUM WALL BOARD H HEADED ANCHOR STUD HAS ANCHOR, ANCHORAGE HCP HOLLOW CORE PLANK HCS HOLLOW CORE SLAB HDG HOT DIPPED GALVANIZED HDR HEADER HGR HANGER HORIZ, H HORIZONTAL HP HIGH POINT or BEARING PILE HSB HIGH STRENGTH BOLT HSS HOLLOW STRUCTURAL SECTION HT HEIGHT HVAC HEATING/ VENTILATION/ AIR CONDITIONING I INTERNATIONAL BUILDING CODE ICBO INTERNATIONAL CONFERENCE of BUILDING OFFICIALS ICC-ES ICC EVALUATION SERVICE ICM INSULATED CONCRETE MASONRY UNIT IDU INSIDE DIAMETER IF INSIDE FACE IJ ISOLATION JOINT IN INCH, INCHES INCL INCLUDED, INCLUDING INFO INFORMATION INSUL INSULATION INT INTERIOR INV INVERT J JOIST JT, JTS JOINT, JOINTS K KIP K, KIP KILOPOUND KSF KIPS PER SQUARE FOOT ksi KIPS PER SQUARE INCH L POLY FIBER REINFORCING (SEE SPECS) LAT LATERAL LB LAG BOLT OR POUND LE LEFT END LF LINEAR FOOT LFRS LATERAL FORCE RESISTING SYSTEM LGT, LONG LONGITUDINAL LI LOAD INDICATOR BOLT LIN LINEAR LW LOAD INDICATOR WASHER LL LIVE LOAD LLH LONG LEGS HORIZONTAL LLV LONG LEGS VERTICAL LANDING LNTL LINTEL LOC LOCATION LP LOW POINT LSH LONG SLOTTED HOLE LSL LAMINATED STUD LUMBER LVL LAMINATED VENEER LUMBER M MASONRY MATL MATERIAL MAX MAXIMUM MB MACHINE BOLT (A-307) MC MISCELLANEOUS CHANNEL MCR MODIFIED CHLOROPRENE RUBBER MECH MECHANICAL MEP MECHANICAL, ELECTRICAL, PLUMBING MEZZ MEZZANINE MF MOMENT FRAME MFR MANUFACTURER MID MIDDLE MIN MINIMUM MISC MISCELLANEOUS MLB MICROLAM BEAM MO MASONRY OPENING MPT MAGNETIC-PARTICLE TEST MT STRUCTURAL TEE CUT FROM "M" SECTION MTL METAL N NON-SHRINK GROUT N-C NOT IN CONTRACT NLB NON-LOAD BEARING NO NUMBER NOM NOMINAL NS NEAR SIDE NTS NOT TO SCALE O ON CENTER OC OUTSIDE DIAMETER OF OUTSIDE FACE OH OVERSIZED HOLE OPN OPENING OPP OPPOSITE OPP HD OPPOSITE HAND OPT OPTIONAL OSB ORIENTED STRAND BOARD		
OWJ OPEN WEB JOIST P PRECAST CONCRETE PCF POUNDS PER CUBIC FOOT PDF POWER DRIVEN FASTENERS PEN PENETRATION PERIM PERIMETER PERP PERPENDICULAR PHW PARTIAL HEIGHT WALL PJP PARTIAL JOINT PENETRATION PL PLATE PLF POUNDS PER LINEAL FOOT PLYWD PLYWOOD PP PARTIAL PENETRATION PREFAB PREFABRICATED PRELIM PRELIMINARY PRESTR PRESTRESSED PSC PRESTRESSED CONCRETE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSL PARALLEL STRAND LUMBER PT POINT PTC POST-TENSION CONCRETE PTE POLYTETRAFLUOROETHYLENE PVC POLYVINYL CHLORIDE Q QUANTITY R RADIUS RC REINFORCED CONCRETE REF REFER TO REF REFERENCE REINF REINFORCE(D), (ING), (MENT) REQD REQUIRED RETN RETAINING REV REVISION, REVISED RFRE RANDOM FIBER REINFORCED ELASTOMERIC RJ RUSTICATION JOINT RO ROUGH OPENING RTU ROOF TOP UNIT S AMERICAN STANDARD SHAPE SC SLIP CRITICAL SCH, SCHED SCHEDULE SEC SECURITY SECT SECTION SF SQUARE FOOT SHT SHEET SHTG SHEATHING SIM SIMILAR SOG SLAB ON GRADE SPA SPACING SPEC SPECIFICATION SQ SQUARE SS STAINLESS STEEL SSH SHORT SLOTTED HOLE SSPC SOCIETY for PROTECTIVE COATINGS ST STRUCTURAL TEE CUT FROM "S" SECTION STD STANDARD STGD STAGGERED STIFF STIFFENER STL STEEL STR STAIR STRUCT STRUCTURAL SW SHEAR WALL SYM SYMMETRICAL T TOP AND BOTTOM T&G TONGUE AND GROOVE T&G TONGUE AND GROOVE TEMP TEMPORARY TENS TENSION THK THICK, THICKNESS THRD THREAD, THREADED TOB TOP OF BEAM TOC TOP OF CONCRETE TOCW TOP OF CONCRETE WALL TOF TOP OF FOOTING TOP TOP OF PARAPET TOS TOP OF STEEL TOSLAB TOP OF SLAB TOW TOP OF WALL TPG TOPPING TRA THREADED ROD IN ADHESIVE ANCHOR TRANS TRANSVERSE TFS THICKENED SLAB FOOTING TYP TYPICAL U UNIFORM BUILDING CODE UFRC UPSET END FLANGE REBAR COUPLER UNO UNLESS NOTED OTHERWISE UT ULTRASONIC TEST V VERTICAL VF VERIFY IN FIELD VMS VERTICAL MOVEMENT SYSTEM VNR VENEER W WIDTH or WIDE FLANGE W WITH WO WITHOUT WABO WASHINGTON ASSOCIATION of BUILDING OFFICIALS WCJ WALL CONTROL JOINT WD WOOD WF WIDE FLANGE WP WORKING POINT WPS WELDING PROCEDURES SPECIFICATIONS WS WELD STUD WTF WEIGHT or STRUCTURAL TEE CUT FROM "W" SECTION XX EXTRA STRONG XX-STR DOUBLE EXTRA STRONG		

*MISC		F	
"	INCH, INCHES	F-GROUT	FINE GROUT
#	NUMBER OR POUND	FAB	FABRICATE
%	PERCENT	FB	FLAT BAR
&	AND	FCJ	FLOOR CONTROL JOINT
'	FOOT, FEET	FDN, FDTN	FOUNDATION
=	EQUAL	FFE	FINISH FLOOR ELEVATION
@	AT	FIL	FILLET
CL	CENTERLINE	FIN	FINISH
FL	FLAT PLATE	FLG	FLANGE
L	ANGLE	FLI	FERRULE LOOP INSERT
PL	PLATE	FLR	FLOOR
SQ/FT	SQUARE FOOT	FBI	FACE OF BRICK
°	DEGREE	FOC	FACE OF CONCRETE
±	PLUS OR MINUS	FOM	FACE OF MASONRY
Ø	DIAMETER	FOS	FACE OF STUD
≤	LESS THAN OR EQUAL TO	FOV	FACE OF VENEER
≥	MORE THAN OR EQUAL TO	FOW	FACE OF WALL
A		FRC	FLANGE BAR COUPLER
AB	ANCHOR BOLT	FRMG	FRAMING
ACI	AMERICAN CONCRETE INSTITUTE	FS	FAR SIDE
ADD	ADDENDUM	FT	FOOT, FEET
ADDL	ADDITIONAL	FTG	FOOTING
ADH	ADHESIVE	G	
ADJ	ADJACENT	GA	GAGE, GAGE
AEC	ARCHITECTURAL, STRUCTURAL and ENGINEERING	GALV	GALVANIZED
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	GB	GRADE BEAM
AFF	ABOVE FINISH FLOOR	GC	GENERAL CONTRACTOR
AHU	AIR HANDLING UNIT	GLB	GLUE LAMINATED BEAM
AISC	AMERICAN INSTITUTE of STEEL CONSTRUCTION	GUSP	GUSSET PLATE
		GRD	GRADE, GRADING
		GRB	GYPSUM WALL BOARD
ALT	ALTERNATE	H	
ANCH	ANCHOR, ANCHORAGE	HAS	HEADED ANCHOR STUD
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HCP	HOLLOW CORE PLANK
APPROX	APPROXIMATE	HCS	HOLLOW CORE SLAB
AR	ANCHOR ROD	HDG	HOT DIPPED GALVANIZED
ARCH	ARCHITECT, ARCHITECTURAL	HDR	HEADER
ASCE	AMERICAN SOCIETY of CIVIL ENGINEERS	HGR	HANGER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HORIZ, H	HORIZONTAL
ATR	ALL THREADED REBAR	HP	HIGH POINT or BEARING PILE
AWS	AMERICAN WELDING INSTITUTE	HSB	HIGH STRENGTH BOLT
		HSS	HOLLOW STRUCTURAL SECTION
B		HT	HEIGHT
BAL	BALANCE	HVAC	HEATING/ VENTILATION/ AIR CONDITIONING
BCX	BOTTOM CHORD EXTENSION	I	
BF	BRACED FRAME	IBC	INTERNATIONAL BUILDING CODE
BLDG	BUILDING	ICBO	INTERNATIONAL CONFERENCE of BUILDING OFFICIALS
BLKG	BLOCKING	ICC-ES	ICC EVALUATION SERVICE
BM	BEAM	ICM	INSULATED CONCRETE MASONRY UNIT
BOD	BOTTOM OF DECK	IDU	INSIDE DIAMETER
BOF	BOTTOM OF FOOTING, FOUNDATION	IF	INSIDE FACE
BOS	BOTTOM OF STEEL	IJ	ISOLATION JOINT
BOT	BOTTOM	IN	INCH, INCHES
BP	BASE PLATE or BUTTON PUNCH	INCL	INCLUDED, INCLUDING
BRB	BUCKLING RESTRAINT BRACE	INFO	INFORMATION
BRG	BEARING	INSUL	INSULATION
BS	BOTH SIDES	INT	INTERIOR
BSMT	BASEMENT	INV	INVERT
BTWN	BETWEEN	J	
C		JST	JOIST
(c)	COLLECTOR	JT, JTS	JOINT, JOINTS
C	CAMBER or CHANNEL	K	
C-C	CENTER TO CENTER	k, KIP	KILOPOUND
C-GROUT	COURSE GROUT	KSF	KIPS PER SQUARE FOOT
CANT	CANTILEVER	ksi	KIPS PER SQUARE INCH
CF	CUBIC FOOT	L	
CFP	POLY FIBER REINFORCING (SEE SPECS)	L	LENGTH
CIP	CAST-IN-PLACE	LAT	LATERAL
CJ	CONTROL JOINT	LB	LAG BOLT or POUND
CJP	COMPLETE JOINT PENETRATION	LE	LEFT END
CL	CENTERLINE	LF	LINEAR FOOT
CLR	CLEAR, CLEARANCE	LFRS	LATERAL FORCE RESISTING SYSTEM
CMU	CONCRETE MASONRY UNIT	LGT, LONG	LONGITUDINAL
COL	COLUMN	LIB	LOAD INDICATOR BOLT
COMP	COMPOSITE or COMPRESSION	LINEAR	LINEAR
CONC	CONCRETE	LIW	LOAD INDICATOR WASHER
CONFIG	CONFIGURATION	LL	LIVE LOAD
CONN	CONNECTION	LLH	LONG LEG HORIZONTAL
CONST	CONSTRUCTION	LLV	LONG LEG VERTICAL
CONT	CONTINUOUS	LONG	LANDING
CONTR	CONTRACTOR	LNTL	LINTEL
COORD	COORDINATE	LOC	LOCATION
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	LP	LOW POINT
CTR	CENTER, CENTERED	LSH	LONG SLOTTED HOLE
CU	CUBIC	LSL	LAMINATED STUD LUMBER
CW	CURTAIN WALL	LVL	LAMINATED VENEER LUMBER
CY	CUBIC YARD	M	
D		MAS	MASONRY
d	PENNY (NAIL)	MATL	MATERIAL
DBA	DEFORMED BAR ANCHOR	MAX	MAXIMUM
DBL	DOUBLE	MB	MACHINE BOLT (A-307)
DC	DEMAND CRITICAL	MC	MISCELLANEOUS CHANNEL
DEG	DEGREE	MCR	MODIFIED CHLOROPRENE RUBBER
DEMO	DEMOLISH, DEMOLITION	MECH	MECHANICAL
DIA	DIAMETER	MEP	MECHANICAL ELECTRICAL, PLUMBING
DIAG	DIAGONAL	MEZZ	MEZZANINE
DIAPH	DIAPHRAGM	MF	MOMENT FRAME
DIM	DIMENSION	MFR	MANUFACTURER
DISC	DISCONTINUE, DISCONTINUOUS	MID	MIDDLE
DL	DEAD LOAD	MIN	MINIMUM
DN	DOWN	MISC	MISCELLANEOUS
do	DITTO	MLB	MICROLAM BEAM
DP, D	DEEP, DEPTH	MNO	MASONRY OPENING
DTL	DETAIL	MP	MAGNETIC-PARTICLE TEST
DWG, DWGS	DRAWING, DRAWINGS	MT	STRUCTURAL TEE CUT FROM 'M' SECTION
DWL, DWLS	DOWEL, DOWELS	MTL	METAL
E		N	
EA	EACH	N-GROUT	NON-SHRINK GROUT
EB	EXPANSION BOLT	NIC	NOT IN CONTRACT
EF	EACH FACE	NLB	NON-LOAD BEARING
EJ	EXPANSION JOINT	NO	NUMBER
EL	ELEVATION	NOM	NOMINAL
ELECT	ELECTRICAL	NS	NEAR SIDE
ELEV	ELEVATOR	NTS	NOT TO SCALE
EMBED	EMBEDMENT	O	
ENGR	ENGINEER	OC	ON CENTER
EOD	EDGE OF DECK	OD	OUTSIDE DIAMETER
EOS	EDGE OF SLAB	OF	OUTSIDE FACE
EQ	EQUAL	OH	OVERSIZED HOLE
EOP, EQUIP	EQUIPMENT	ONG	OPENING
ES	EACH SIDE	OPP	OPPOSITE
EW	EACH WAY	OPP HD	OPPOSITE HAND
EXIST, (E)	EXISTING	OPT	OPTIONAL
EXP	EXPANSION	OSB	ORIENTED STRAND BOARD
EXT	EXTERIOR		

TABLE 1							
STRUCTURAL SPECIAL INSPECTIONS AND TESTING							
SYSTEM or MATERIAL	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		REMARKS		
			CONT.	PERIODIC			
STRUCTURAL STEEL (1705.2.1, 1705.12.1 & 1705.13.1)							
WELDING							
PRIOR TO WELDING							
VERIFY WELDING PROCEDURES (WPS)		AISC 360 TABLE N5.4-1, AISC 341 TABLE J6-1	X				
WELDING CONSUMABLE CERTIFICATES			X		COPY OF MANUFACTURER'S CERTIFICATIONS		
MATERIAL IDENTIFICATION				X	VERIFY TYPE OF AND GRADE OF MATERIAL		
WELDER IDENTIFICATION				X	A SYSTEM SHALL BE MAINTAINED BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED		
FIT-UP GROOVE WELDS				X	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING AND BACKING		
ACCESS HOLES				X	VERIFY CONFIGURATION AND FINISH		
FIT-UP FILLET WELDS				X	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES AND TACK WELD QUALITY AND LOCATION		
CHECK WELDING EQUIPMENT					X		
DURING WELDING							
USE OF QUALIFIED WELDERS		AISC 360 TABLE N5.4-2, AISC 341 TABLE J6-2		X	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED		
CONTROL AND HANDLING OF WELDING CONSUMABLES				X	VERIFY PACKAGING AND EXPOSURE CONTROL		
CRACKED TACK WELDS				X	VERIFY THAT WELDING DOES NOT OCCUR OVER CRACKED TACK WELDS		
ENVIRONMENTAL CONDITIONS				X	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE		
WPS FOLLOWED				X	VERIFY ITEMS SUCH AS SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, PROPER POSITION AND INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED		
WELDING TECHNIQUES				X	VERIFY INTERPASS AND FINAL CLEANING, EACH PASS IS WITHIN PROFILE LIMITATIONS AND QUALITY OF EACH PASS		
AFTER WELDING							
WELDS CLEANED				AISC 360 TABLE N5.4-3, AISC 341 TABLE J6-3		X	
SIZE, LENGTH AND LOCATION OF WELDS	X						
WELDS MEET VISUAL ACCEPTANCE CRITERIA	X						
ARC STRIKES	X						
k-AREA	X						
BACKING AND WELD TABS REMOVED	X						
REPAIR ACTIVITIES	X						
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/MEMBER	X						
PLACEMENT OF REINFORCEMENT OR CONTOURING FILLET WELDS (IF REQUIRED)	X						
NONDESTRUCTIVE TESTING OF WELDED JOINTS							
CJP WELDS (RISK CATEGORY II)	AISC 360 SECTION N5.5			X	ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN MATERIALS 5/16 INCH THICK OR GREATER. TESTING RATE MUST BE INCREASED IF MORE THAN 5% OF WELDS TESTED HAVE UNACCEPTABLE DEFECTS.		
CJP WELDS (RISK CATEGORY III OR IV)			X		A REDUCTION IN THE RATE OF ULTRASONIC TESTING IS ALLOWED PER SECTION N5.5e		
ACCESS HOLES (FLANGE > 2")			X				
WELDED JOINTS SUBJECT TO FATIGUE			X				
TEST WEB OF WIDE FLANGE SECTIONS FOR CRACKS USING MAGNETIC PARTICLE TESTING (MT) WHERE WELDING OF DOUBLER/CONTINUITY/STIFFENER PLATES IN K-AREA HAS OCCURRED	AISC 341 SECTION J6.2		X				
CJP GROOVE WELDS: ULTRASONIC TESTING (UT) IN MATERIALS 5/16" THICK OR GREATER			X		PER AWS D1.1, TABLE 6.2		
BEAM TO COLUMN CJP GROOVE WELDS: MAGNETIC PARTICLE TESTING (MT)			X		TEST 25% OF WELDS		
LAMELLAR TEARING: AT CJP GROOVE WELDS ULTRASONIC TESTING (UT) WHERE BASE METAL THICKER THAN 1 1/2" LOADED IN TENSION WHERE CONNECTED MATERIAL IS GREATER THAN 3/4"			X		PER AWS D1.1, TABLE 6.2		
BEAM COPEES AND ACCESS HOLES AT WELDED SPLICES AND CONNECTIONS			X		MAGNETIC PARTICLE TESTING (MT) OR PENETRANT TESTING WHEN FLANGE THICKNESS > 1 1/2"		
WELD TAB REMOVAL SITES			X		MAGNETIC PARTICLE TESTING (MT) WHERE BEAM-COLUMN CJP JOINTS HAVE RECEIVED UT		

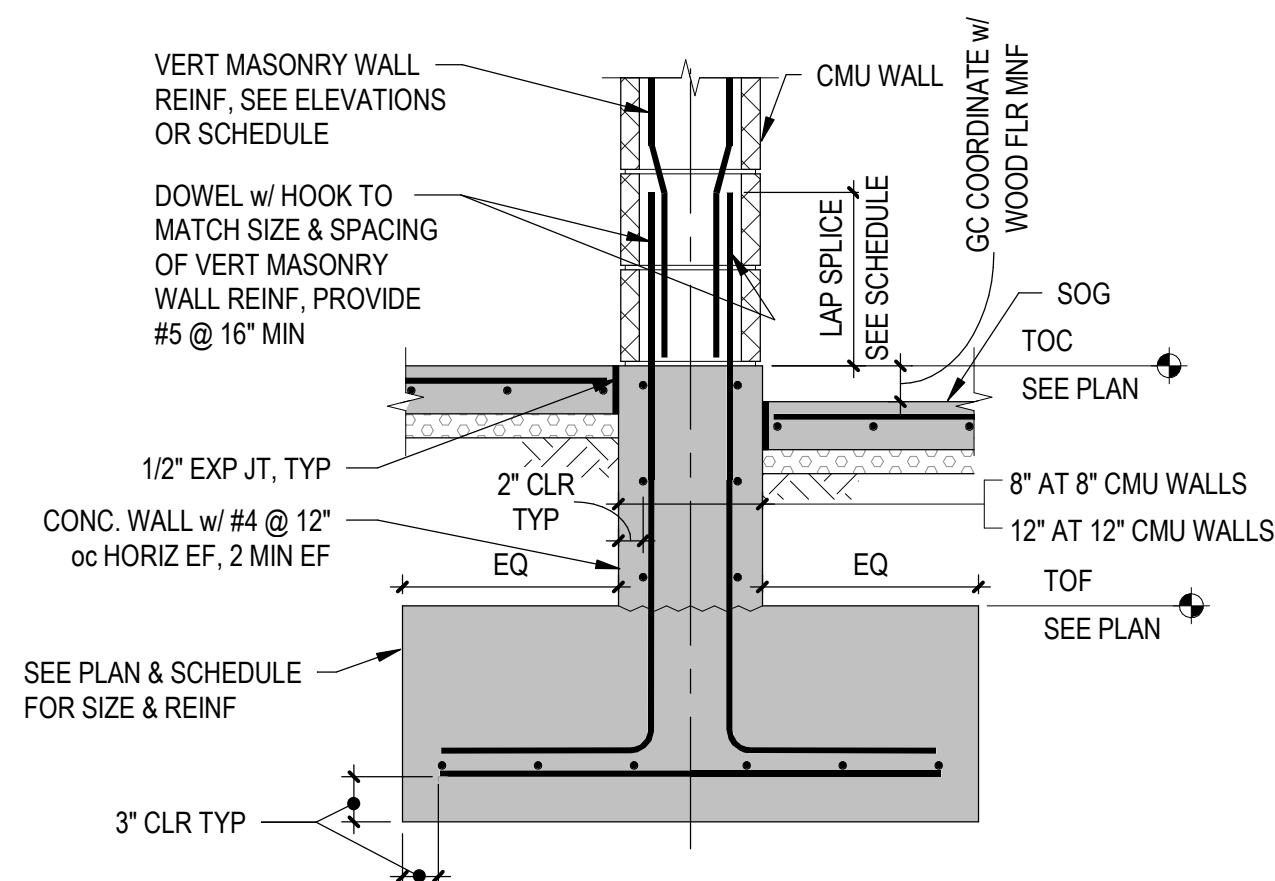
TABLE 1 (CONTINUED)					
STRUCTURAL SPECIAL INSPECTIONS AND TESTING					
VERIFICATION AND INSPECTION TASK	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		REMARKS
			CONT.	PERIODIC	
SOILS (IBC 1705.6)					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	1705.6	GEOTECHNICAL REPORT		X	BY THE GEOTECHNICAL ENGINEER
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL				X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS				X	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL				X	
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY				X	
CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (IBC 1705.8)					
INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT				X	
VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES				X	
FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705.3					

TABLE 1 (CONTINUED)					
STRUCTURAL SPECIAL INSPECTIONS AND TESTING					
SYSTEM or MATERIAL	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		REMARKS
			CONT.	PERIODIC	
STRUCTURAL STEEL (IBC 1705.2.1, 1705.12.1 & 1705.13.1)					
HIGH STRENGTH BOLTING					
PRIOR TO BOLTING					
CERTIFICATION OF FASTENERS		AISC 360 TABLE N5.6-1, AISC 341 TABLE J7-1	X		
FASTENERS MARKED				X	VERIFY THAT FASTENERS ARE MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS
PROPER FASTENERS FOR JOINT				X	VERIFY GRADE, TYPE AND BOLT LENGTH IF THREADS ARE EXCLUDED FROM THE SHEAR PLANE
PROPER BOLTING PROCEDURE				X	VERIFY PROPER PROCEDURE IS USED FOR THE JOINT DETAIL
CONNECTING ELEMENTS				X	VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET REQUIREMENTS
PRE-INSTALLATION VERIFICATION TESTING				X	OBSERVE AND DOCUMENT VERIFICATION TESTING BY INSTALLATION PERSONNEL FOR FASTENER ASSEMBLIES AND METHODS USED
PROPER STORAGE				X	VERIFY PROPER STORAGE OF BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS
DURING BOLTING					
FASTENER ASSEMBLIES		AISC 360 TABLE N5.6-2, AISC 341 TABLE J7-2		X	VERIFY THAT FASTENER ASSEMBLIES ARE OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED
SNUG-TIGHT PRIOR TO PRETENSIONING				X	VERIFY THAT JOINTS ARE BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION
FASTENER COMPONENT				X	VERIFY THAT FASTENER COMPONENT IS NOT TURNED BY WRENCH PREVENTED FROM ROTATING
PRETENSIONED FASTENER				X	VERIFY THAT FASTENERS ARE BROUGHT TO PRETENSIONING IN ACCORDANCE WITH RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES
AFTER BOLTING					
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONN.		AISC 360 TABLE N5.6-3, AISC 341 TABLE J7-3	X		
OTHER STEEL INSPECTIONS					
STRUCTURAL STEEL DETAILS		AISC 360 SECTION N5.8, AISC 341 TABLES J8-1 & J10-1		X	ALL FABRICATED STEEL OR STEEL FRAMES SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN IN THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION
ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL				X	SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. VERIFY THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
PROTECTED ZONES				X	VERIFY THAT NO HOLES OR UNAPPROVED ATTACHMENTS ARE MADE WITHIN THE PROTECTED ZONE (SEE TABLE J8-1 OF AISC 341)
STEEL ELEMENTS OF COMPOSITE CONSTRUCTION					
PLACEMENT AND INSTALLATION OF STEEL DECK		AISC 360 TABLE N6.1, AISC 341 TABLES J9-1 THRU J9-3	X		WELDING PER AWD D1.3 FASTENING PER MANUFACTURER'S RECOMMENDATIONS & VERIFY FASTENERS USED
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS				X	AWS D1.1
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS				X	
REINFORCING STEEL				X	VERIFY APPROPRIATE REINFORCEMENT SIZE, SPACING AND ORIENTATION; THAT IT HAS NOT BEEN RE-BENT IN FIELD; THAT IT IS CORRECTLY TIED AND SUPPORTED; AND THAT REQUIRED STEEL CLEARANCES HAVE BEEN PROVIDED
COMPOSITE MEMBER SIZE				X	VERIFY THAT COMPOSITE MEMBER IS THE REQUIRED SIZE
Cold-Formed Steel Deck (IBC 1705.2.2)					
STEEL ROOF AND FLOOR DECKS					
MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK	SECTION 1705.2.2	SDI QA/QC-2017 Standard			INSPECTION FREQUENCY PER SDI QA/QC-2017 STANDARD
FLOOR AND ROOF DECK WELDS					INSPECTION FREQUENCY PER SDI QA/QC-2017 STANDARD
Open-Web Steel Joists and Joist Girders (IBC 1705.2.3)					
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.					
a. END CONNECTIONS - WELDING OR BOLTED.				X	SJI SPECIFICATIONS LISTED IN IBC SECTION 2207.1
b. BRIDGING - HORIZONTAL OR DIAGONAL.					
1. STANDARD BRIDGING.				X	SJI SPECIFICATIONS LISTED IN IBC SECTION 2207.1
2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.				X	
COLD-FORMED STEEL TRUSSES (IBC 1705.2.4)					
TRUSSES SPANNING > 60 FEET	1705.2.4			X	VERIFY THAT TEMPORARY AND PERMANENT TRUSS BRACING IS INSTALLED IN ACCORDANCE WITH APPROVED TRUSS PACKAGE. PERFORMED BY CODE INSPECTION FIRM

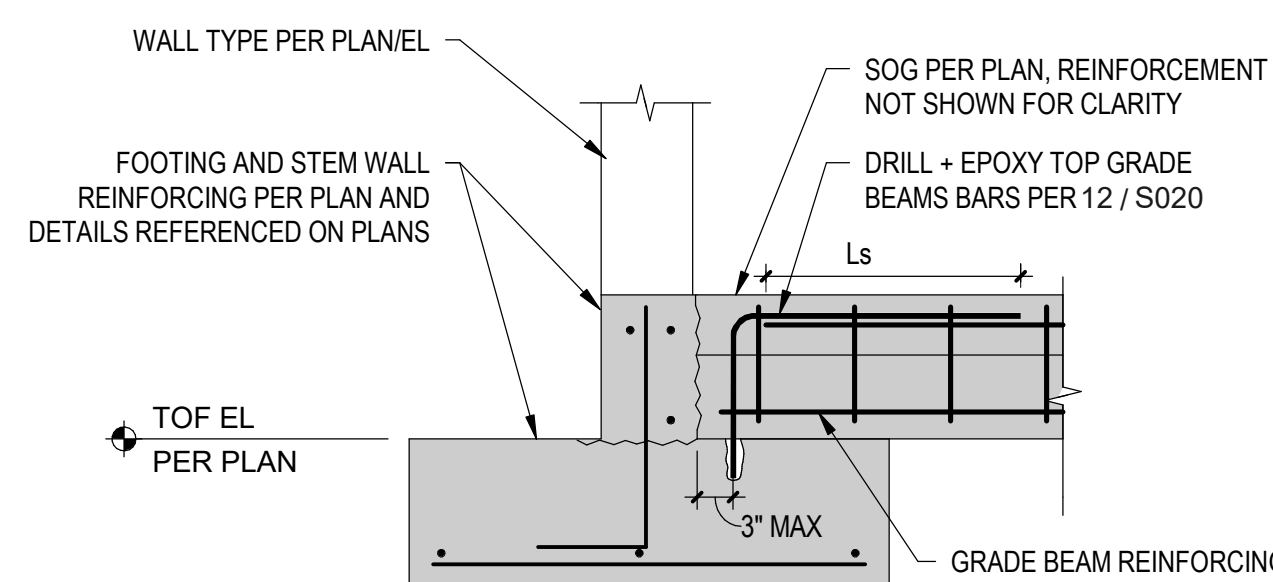
TABLE 3					
TESTING FOR SEISMIC RESISTANCE (IBC 1705.13)					
SYSTEM or MATERIALS	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		REMARKS
			CONT.	PERIODIC	
STRUCTURAL STEEL					
STRUCTURAL STEEL	1705.13.1	AISC 341	SEE STRUCTURAL STEEL SPECIAL INSPECTION TABLE 1		
NON STRUCTURAL COMPONENTS					
NON STRUCTURAL SYSTEMS AND DESIGNATED SEISMIC SYSTEMS	1705.13.2 1705.13.3	ASCE 7 SECTION 13.2		X	CERTIFICATION REQUIRED BY ANALYSIS, TESTING OR EXPERIENCE DATA

TABLE 1 (CONTINUED)					
STRUCTURAL SPECIAL INSPECTIONS AND TESTING					
SYSTEM or MATERIAL	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		REMARKS
			CONT.	PERIODIC	
CONCRETE (IBC 1705.3)					
REINFORCING STEEL AND PLACEMENT	1908.4	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1 - 26.6.3		X	
REINFORCING BAR WELDING a. Verify weldability of reinforcing bars other than ASTM A 706; b. Inspect single-pass fillet welds, maximum 5/16"; and c. Inspect all other welds.		ACI 318: 26.6.4 AWS D14		X	REFER TO STEEL FOR WELDING REQUIREMENTS
			X		
ANCHORS CAST IN CONCRETE		ACI 318:17.8.2		X	
POST-INSTALLED ANCHORS OR DOWELS		ACI 318: 17.8.2.4	X		ALL POST-INSTALLED ANCHORS/DOWELS SHALL BE SPECIALLY INSPECTED AS REQUIRED BY THE APPROVED ICC-ES REPORT
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2 1908.2 1908.3	ACI 318: Ch. 19, 26.4.3, 26.4.4		X	
CONCRETE SAMPLING FOR STRENGTH TESTS, SLUMP, AIR CONTENT AND TEMPERATURE	1908.10	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	X		
CONCRETE/SHOTCRETE PLACEMENT	1908.6 1908.7 1908.8	ACI 318: 26.5	X		INCLUDES AUGERCAST CONCRETE PILES & CONCRETE TOPPING AT STEEL FLOOR DECKS
CONCRETE/SHOTCRETE CURING	1908.9	ACI 318: 26.5.3 - 26.5.5		X	
FORMWORK		ACI 318: 26.11.1.2(b)		X	
WELDING OF REINFORCING BARS	1705.3.1	AWS D14			SPECIAL INSPECTION REQUIREMENTS AND SPECIAL INSPECTOR QUALIFICATION PER AWS D14
MATERIAL TESTS	1705.3.2	ACI 318: Ch. 19 & 20			
MASONRY (IBC 1705.4)					
MINIMUM INSPECTION AND TESTING FOR LEVEL 2 QUALITY ASSURANCE (TMS 602-16 TABLE 3 and TABLE 4)					
VERIFYING COMPLIANCE WITH APPROVED SUBMITTALS		TMS 602: 1.5		X	
PROPORTIONS OF SITE PREPARED MORTAR		TMS 602: 2.1, 2.6A, 2.6C		X	AS MASONRY CONSTRUCTION BEGINS
GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS		TMS 602: 3.4, 3.6A		X	AS MASONRY CONSTRUCTION BEGINS AND PRIOR TO GROUTING
GROUT SPACE		TMS 602: 3.2D, 3.2F		X	PRIOR TO GROUTING
PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS		TMS 402: 6.1, 6.3.1, 6.3.6, 6.3.7 TMS 602: 3.2E, 3.4		X	PRIOR TO GROUTING
REINFORCING STEEL AND CONNECTOR PLACEMENT		TMS 402: 6.1, 6.3.1, 6.3.6, 6.3.7 TMS 602: 3.2E, 3.4, 3.6A		X	PRIOR TO GROUTING
PROPORTIONS OF SITE PREPARED GROUT		TMS 602: 2.6B, 2.4G, 1.b		X	PRIOR TO GROUTING
PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION		TMS 602: 3.3B		X	
VERIFICATION OF SIZE AND LOCATION OF STRUCTURAL ELEMENTS		TMS 602: 3.3F		X	PRIOR TO GROUTING
TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION		TMS 402: 1.2.1(e), 6.2.1, 6.3.1		X	
WELDING OF REINFORCEMENT		TMS 402: 6.1.6.1.2	X		
PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F)		TMS 602: 1.8S, 1.8D		X	
GROUT PLACEMENT		TMS 602: 3.5, 3.6C	X		
OBSERVATION OF PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS		TMS 602: 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4		X	
VERIFICATION OF SLUMP FLOW & VISUAL STABILITY INDEX (VSI) FOR SELF-CONSOLIDATING GROUT		TMS 602: 1.5B.1.b.3		X	COMPRESSIVE STRENGTH TESTS SHOULD BE PERFORMED IN ACCORDANCE WITH ASTM C 1019 FOR SLUMP FLOW AND ASTM C1611 FOR VSI
VERIFICATION OF f _m		TMS 602: 1.4B		X	DETERMINE THE COMPRESSIVE STRENGTH FOR EACH WYTHE BY THE "UNIT STRENGTH METHOD" OR BY THE "PRISM TEST METHOD" AS SPECIFIED IN SECTION 1.4B OF TMS 602 PRIOR TO CONSTRUCTION

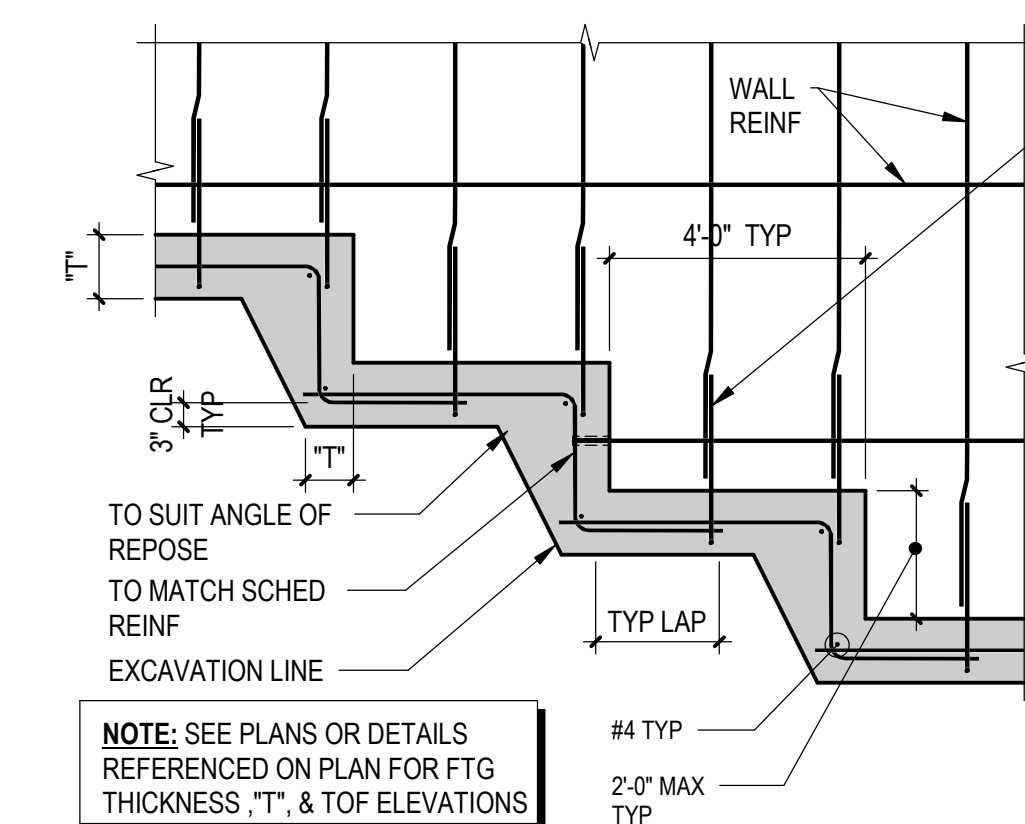
TABLE 2					
SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (IBC 1705.12)					
SYSTEM or MATERIAL	INSPECTION			REMARKS	
	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		
			CONT. PERIODIC		
STRUCTURAL STEEL					
STRUCTURAL STEEL	1705.12.1	AISC 341			SEE STRUCTURAL STEEL SPECIAL INSPECTION TABLE
DESIGNATED SEISMIC SYSTEMS					
ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS, SUPPORTS AND ATTACHMENTS	1705.12.4			X	CONFIRM THAT MANUFACTURER'S CERTIFICATE OF COMPLIANCE CONFORMS TO THE REQUIREMENTS OF SECTION 13.2 OF ASCE 7. VERIFY THAT THE LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE MANUFACTURER'S CERTIFICATE OF COMPLIANCE. PERFORMED BY INSPECTION FIRM.
ARCHITECTURAL COMPONENTS					
ERECTION AND FASTENING OF EXTERIOR CLADDING AND INTERIOR AND EXTERIOR VENEERS	1705.12.5			X	VERIFY APPROPRIATE MATERIALS, FASTENERS AND ATTACHMENT AT COMMENCEMENT OF WORK AND AT COMPLETION. PERFORMED BY INSPECTION FIRM. NOT REQUIRED IF LESS THAN 30FT OR LESS THAN 5PSF.
ERECTION AND FASTENING OF INTERIOR AND EXTERIOR NON BEARING WALLS				X	VERIFY APPROPRIATE MATERIALS, FASTENERS AND ATTACHMENT AT COMMENCEMENT OF WORK AND AT COMPLETION. PERFORMED BY INSPECTION FIRM. NOT REQUIRED IF LESS THAN 30FT OR FOR INTERIOR WALLS LESS THAN 15PSF.
ACCESS FLOORS				X	VERIFY THAT ANCHORAGE COMPLIES WITH APPROVED CONSTRUCTION DOCUMENTS. INSPECTION OF POST-INSTALLED ANCHORS SHALL COMPLY WITH APPROVED ICC-ES REPORT. PERFORMED BY INSPECTION FIRM.
PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS					
ANCHORAGE OF EMERGENCY OR STANDBY POWER SYSTEMS	1705.12.6			X	VERIFY THAT ANCHORAGE COMPLIES WITH APPROVED CONSTRUCTION DOCUMENTS. PERFORMED BY CODE INSPECTION FIRM.
INSTALLATION OF PIPING SYSTEMS CARRYING FLAMMABLE, COMBUSTIBLE, OR HIGHLY TOXIC MATERIALS AND THEIR ASSOCIATED MECHANICAL UNITS.				X	VERIFY THAT INSTALLATION AND RESTRAINT COMPLY WITH APPROVED CONSTRUCTION DOCUMENTS. PERFORMED BY CODE INSPECTION FIRM.
INSTALLATION OF HVAC DUCTWORK CONTAINING HAZARDOUS MATERIALS				X	VERIFY THAT INSTALLATION AND RESTRAINT COMPLY WITH APPROVED CONSTRUCTION DOCUMENTS. PERFORMED BY CODE INSPECTION FIRM.
INSTALLATION OF VIBRATION ISOLATION SYSTEMS HAVING A CLEARANCE OF LESS THAN 1/4"				X	VERIFY THAT INSTALLATION AND RESTRAINT COMPLY WITH APPROVED CONSTRUCTION DOCUMENTS AND MANUFACTURER'S RECOMMENDATION. PERFORMED BY CODE INSPECTION FIRM.
INSTALLATION OF MECHANICAL AND ELECTRICAL EQUIPMENT, INCLUDING DUCT WORK, PIPING SYSTEMS AND THEIR STRUCTURAL SUPPORTS, WHERE AUTOMATIC FIRE SPRINKLER SYSTEMS ARE INSTALLED IN STRUCTURES		ASCE 7 Section 13.2.3		X	VERIFY THAT MINIMUM CLEARANCES COMPLY WITH IBC SECTION 1705.12.6.6 AND ASCE 7 SECTION 13.2.3. PERFORMED BY CODE INSPECTION FIRM
STORAGE RACKS					
ANCHORAGE OF STORAGE RACKS 8FT OR GREATER IN HEIGHT	1705.12.7			X	VERIFY THAT ANCHORAGE COMPLIES WITH APPROVED CONSTRUCTION DOCUMENTS. INSPECTION OF POST-INSTALLED ANCHORS SHALL COMPLY WITH APPROVED ICC-ES REPORT. PERFORMED BY CODE INSPECTION FIRM.



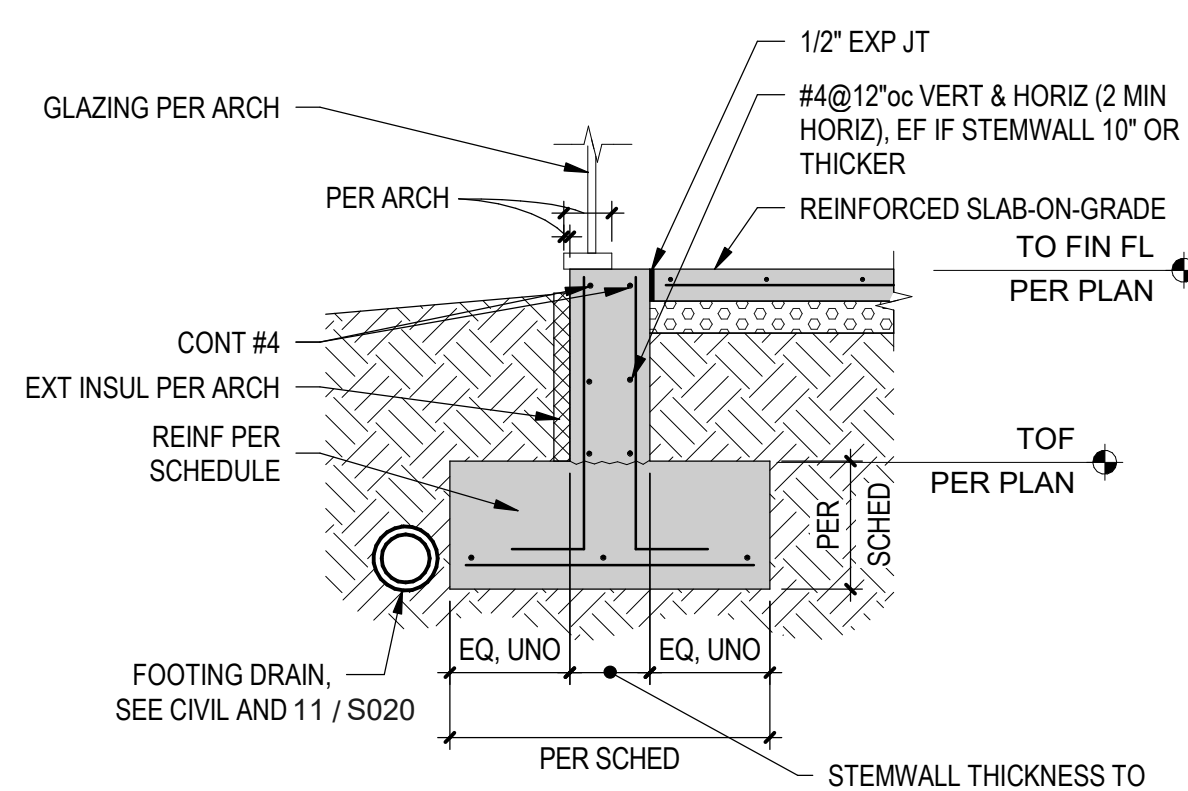
21 CMU WALL INTERIOR FOOTING
SCALE: 3/4" = 1'-0"



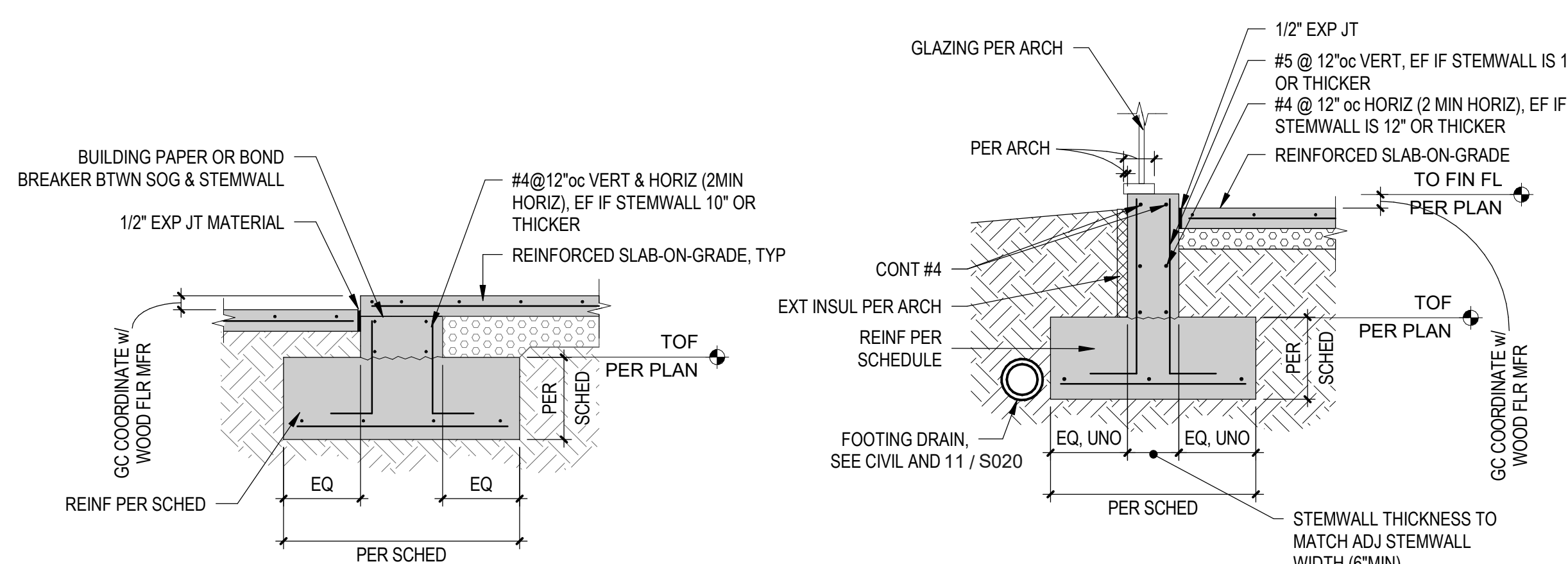
22 GRADE BEAM CONN AT STEM WALL
SCALE: 3/4" = 1'-0"



23 STEPPED FOOTING AT CONCRETE OR CMU WALLS
SCALE: 1/2" = 1'-0"

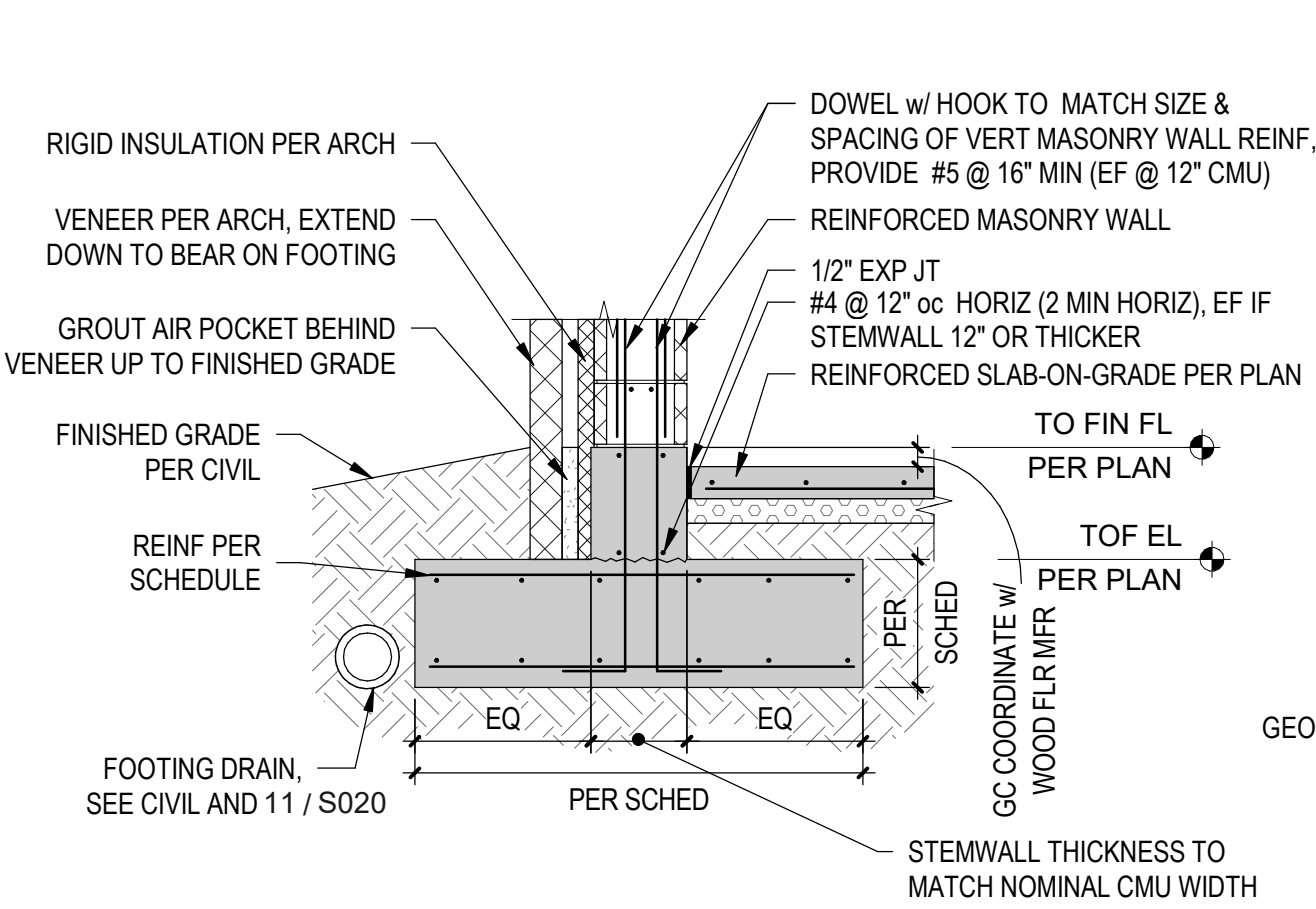


24 FOOTING AT VESTIBULE GLAZING
SCALE: 1/2" = 1'-0"

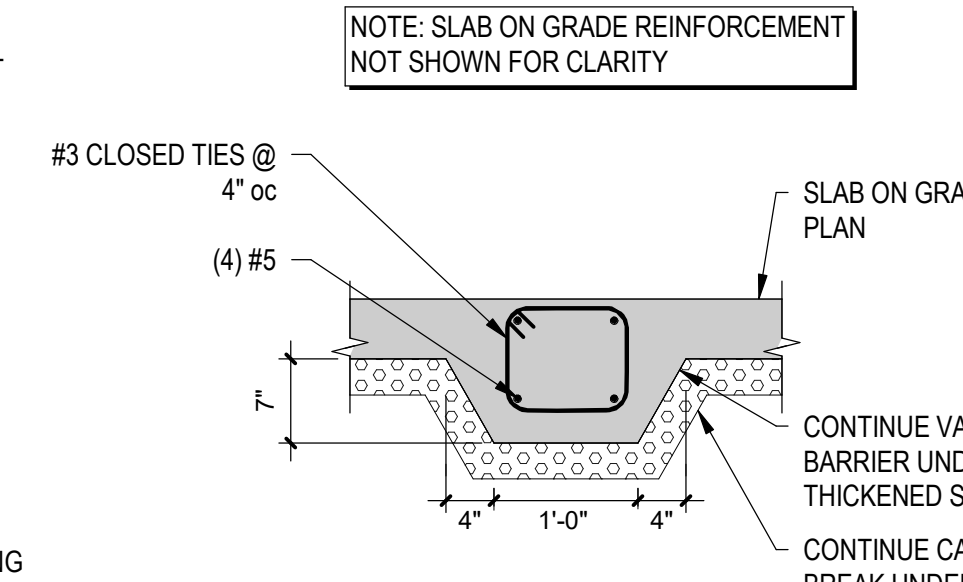


30 SLAB AT THRESHOLD
SCALE: 1/2" = 1'-0"

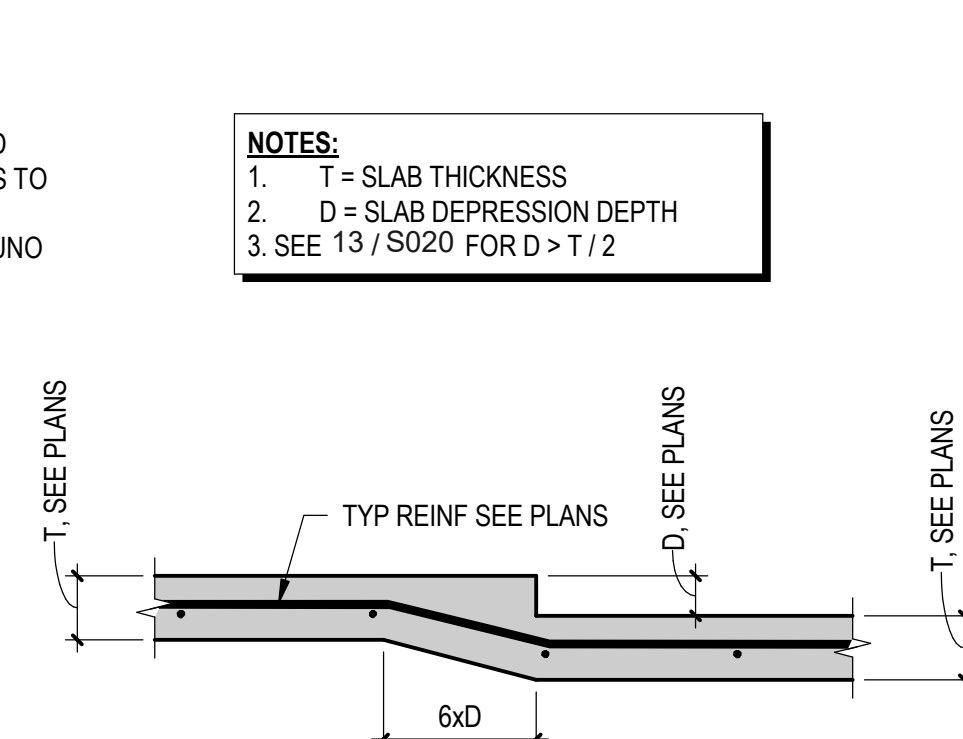
25 FOOTING AT GLAZING
SCALE: 1/2" = 1'-0"



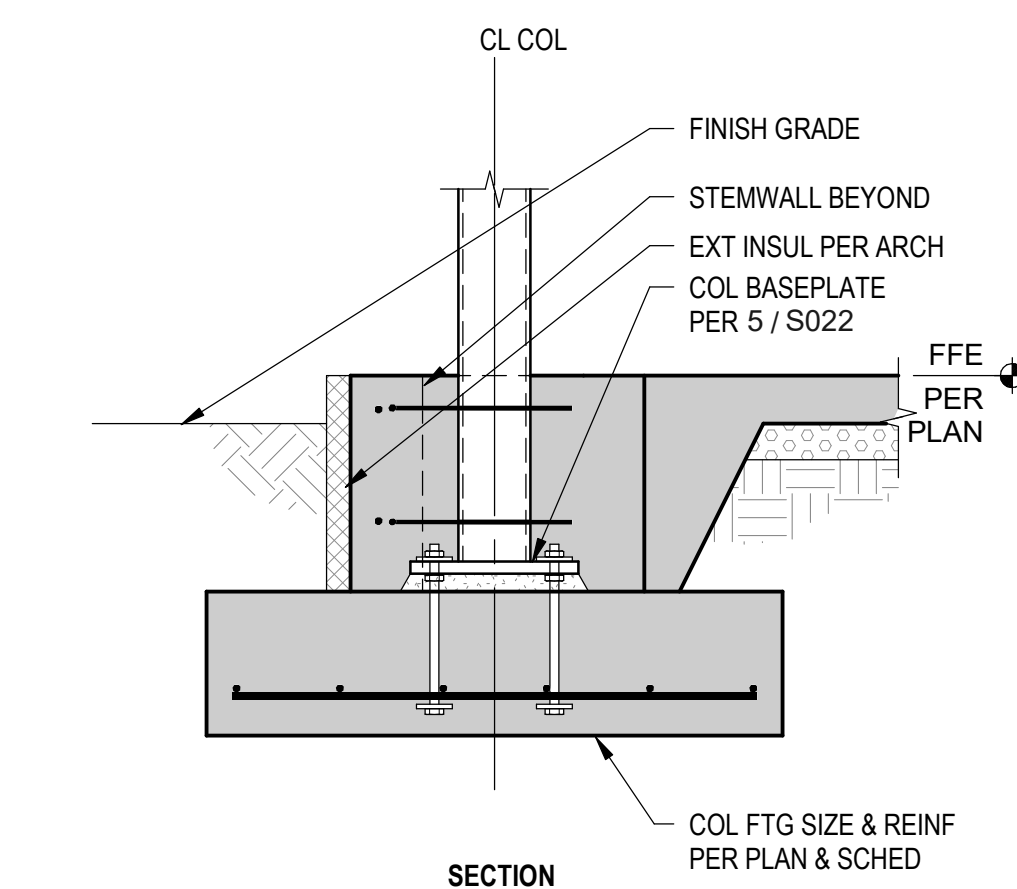
16 TYP MASONRY WALL FTG AT VENEER
SCALE: 1/2" = 1'-0"



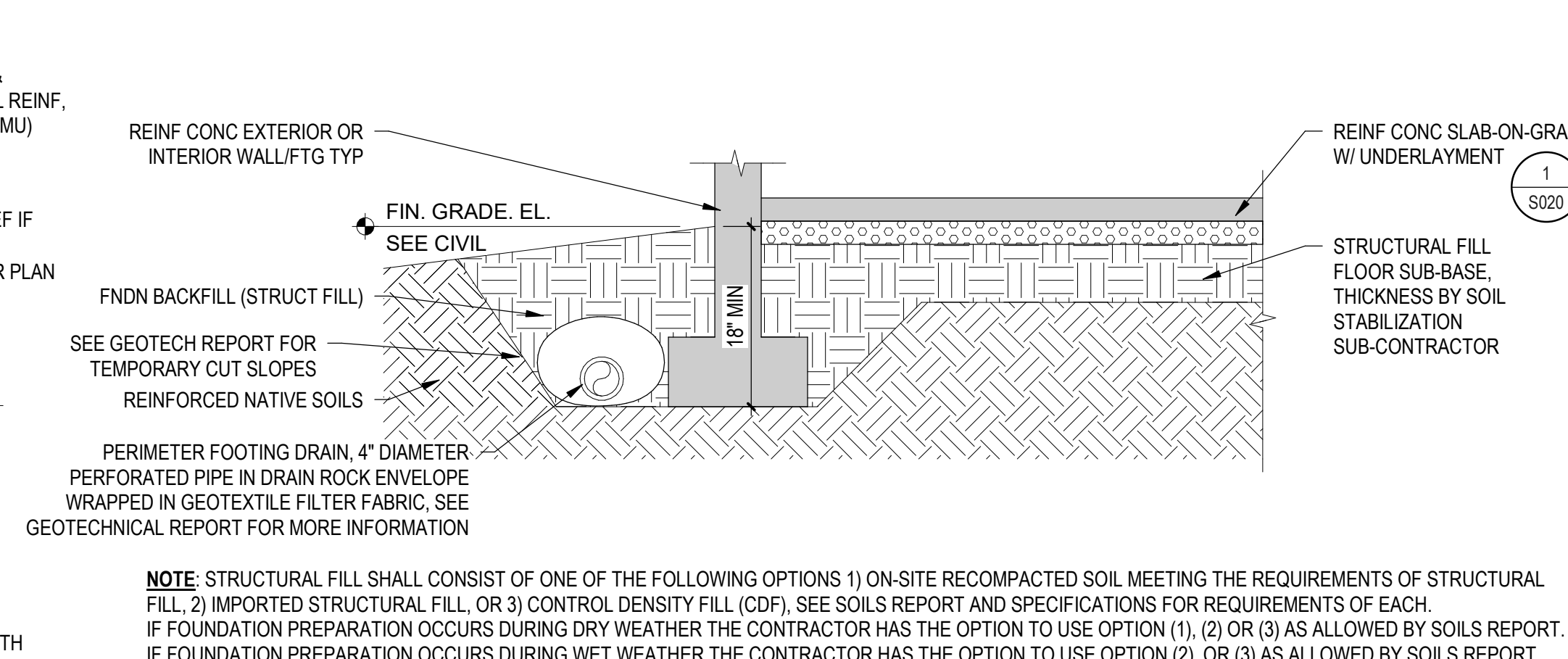
17 THICKENED GRADE BEAM DETAIL
SCALE: 3/4" = 1'-0"



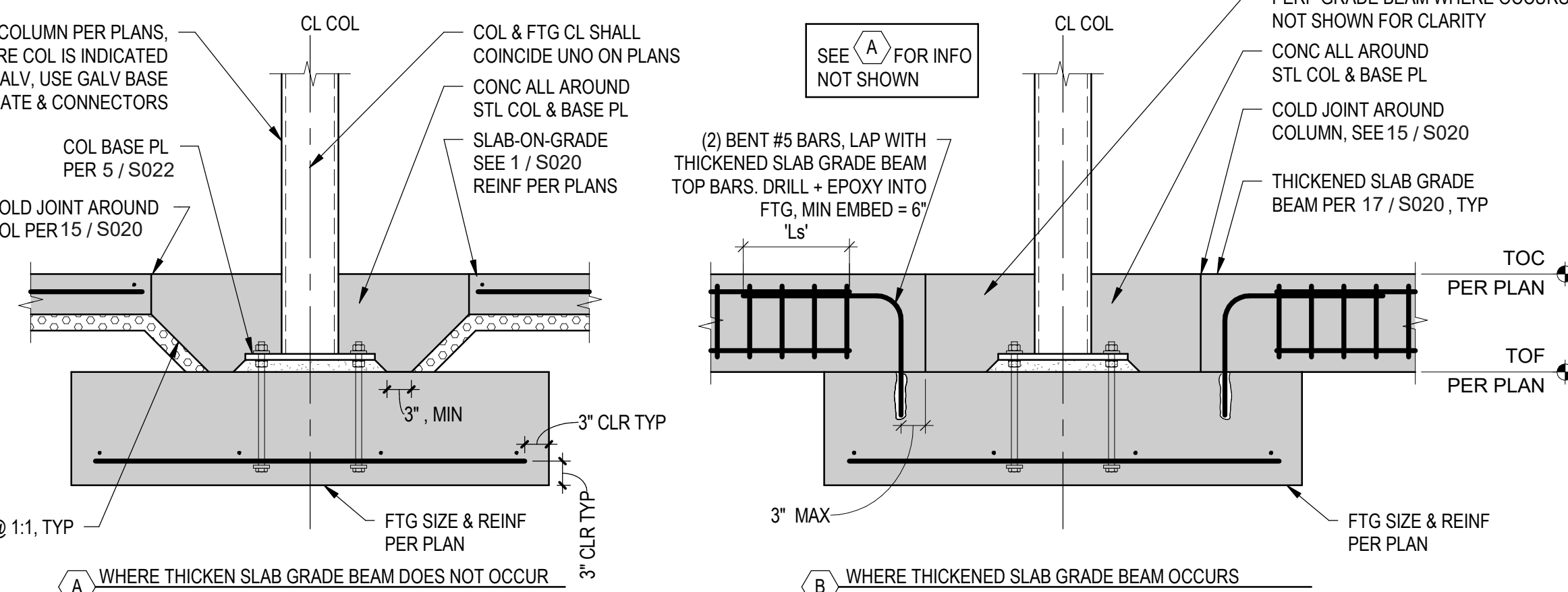
18 SLAB DEPRESSION (MAX D = T/2)
SCALE: 1" = 1'-0"



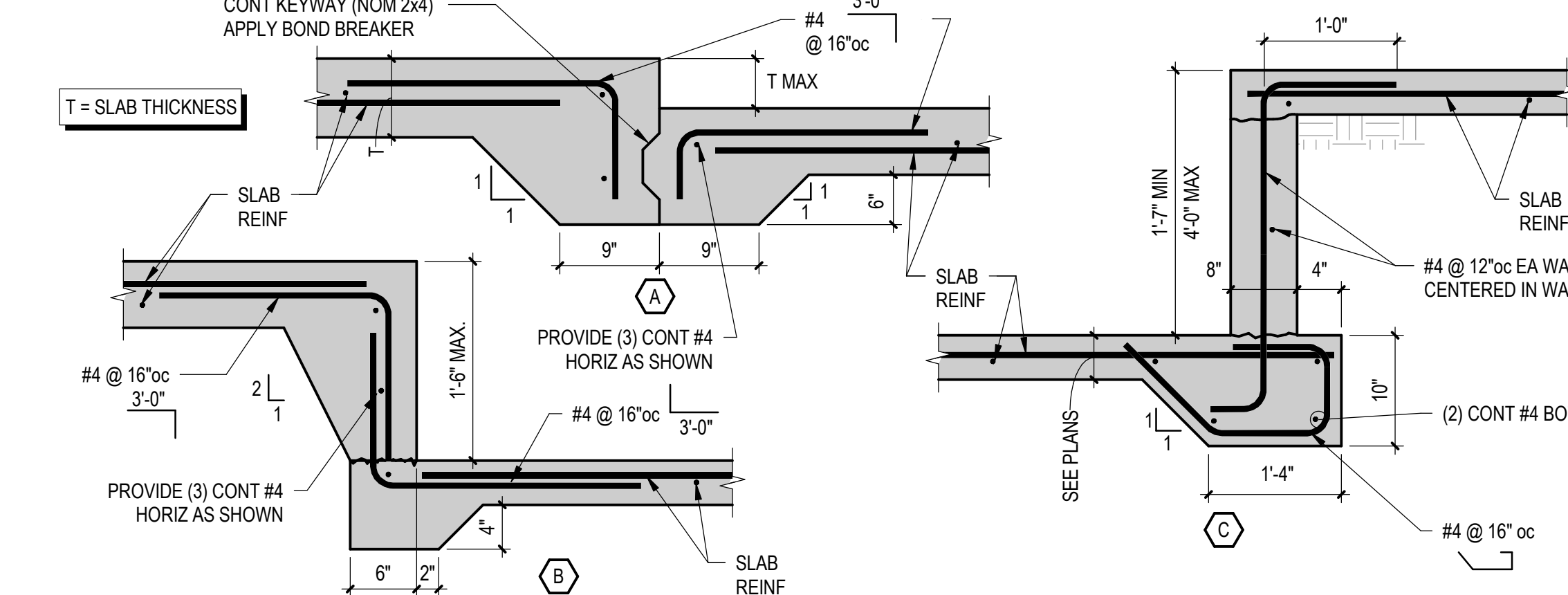
20 COLUMN POUR-BACK @ EXT WALL
SCALE: 3/4" = 1'-0"



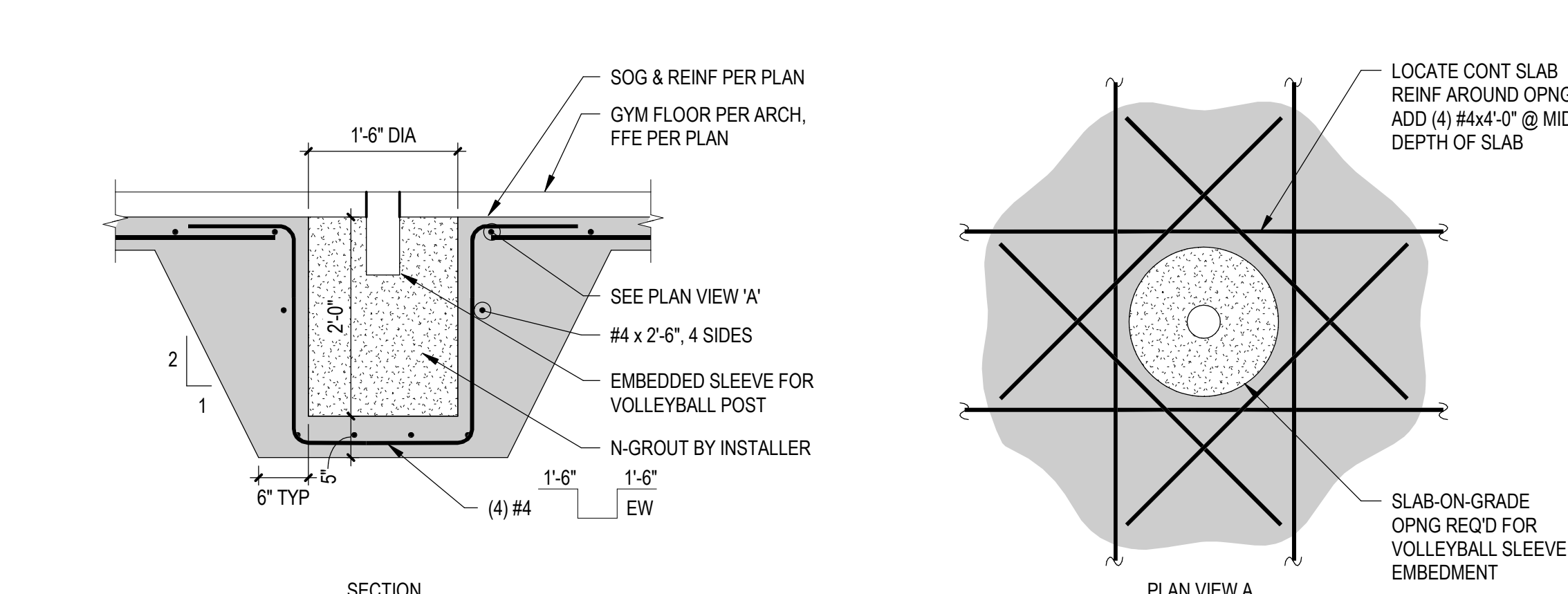
11 FOUNDATION AND SLAB UNDERLAYMENT
SCALE: 1/2" = 1'-0"



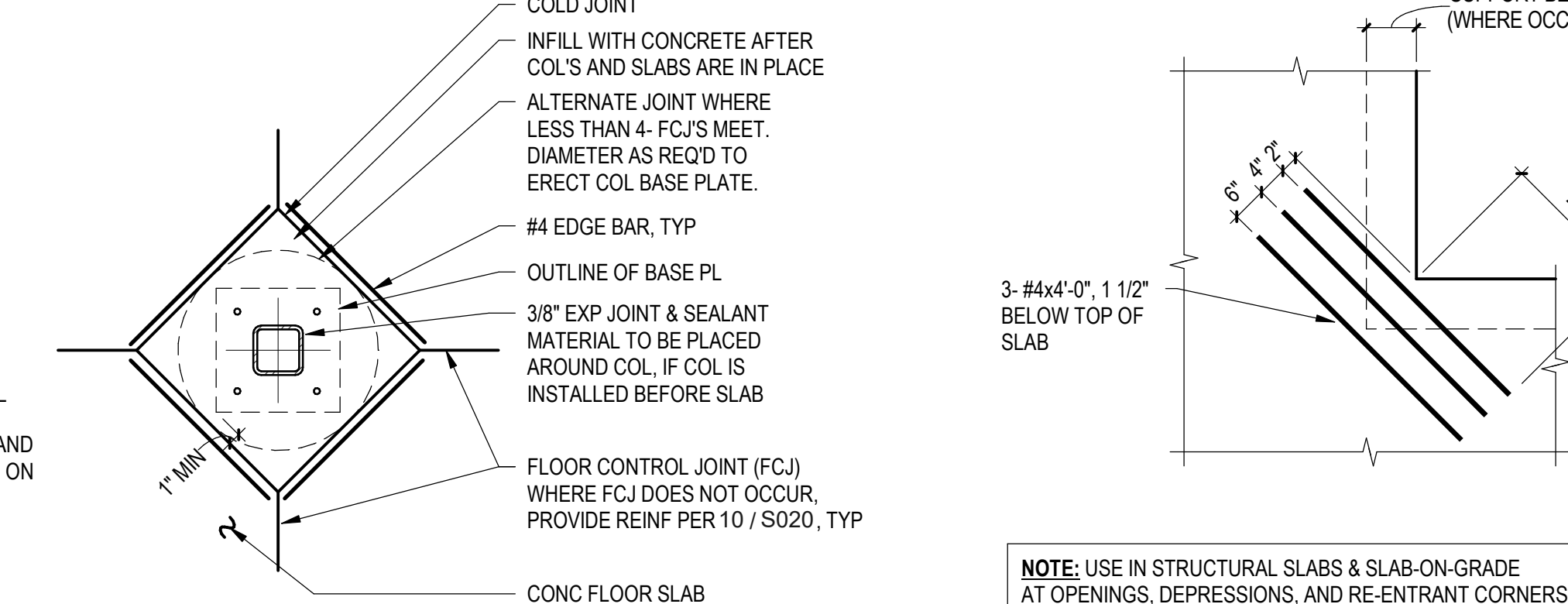
12 TYPICAL STEEL GRAVITY COLUMN FOOTING
SCALE: 3/4" = 1'-0"



13 SLAB-ON-GRADE ELEVATION CHANGE
SCALE: 1" = 1'-0"

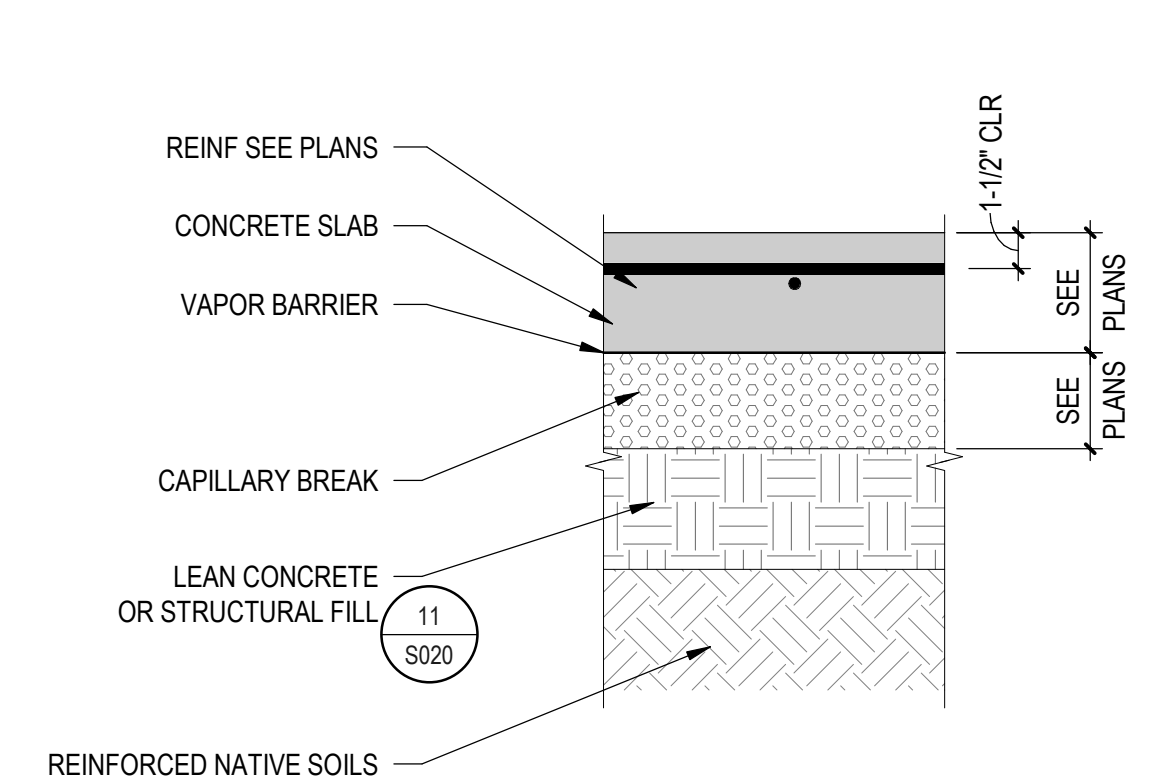


14 THICKENED SLAB FOR VOLLEYBALL SLEEVE EMBEDMENT
SCALE: 3/4" = 1'-0"

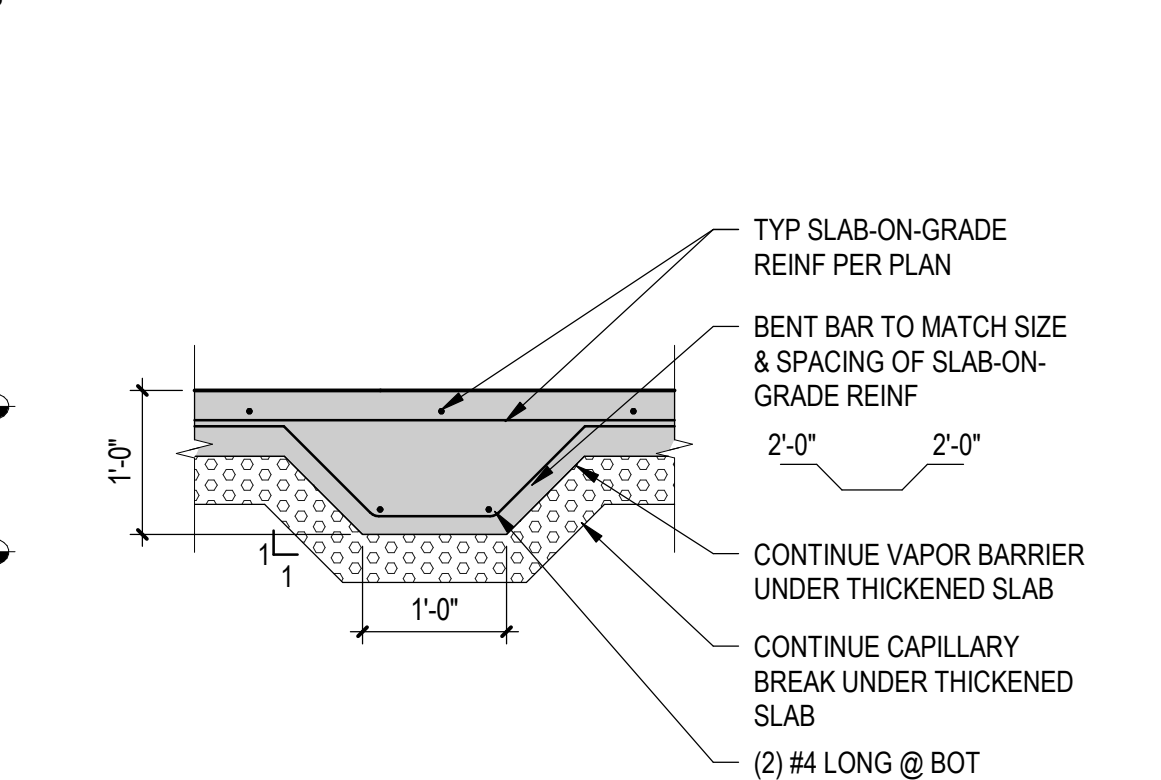


15 FLOOR CONTROL JOINT AT COLUMN
SCALE: 1" = 1'-0"

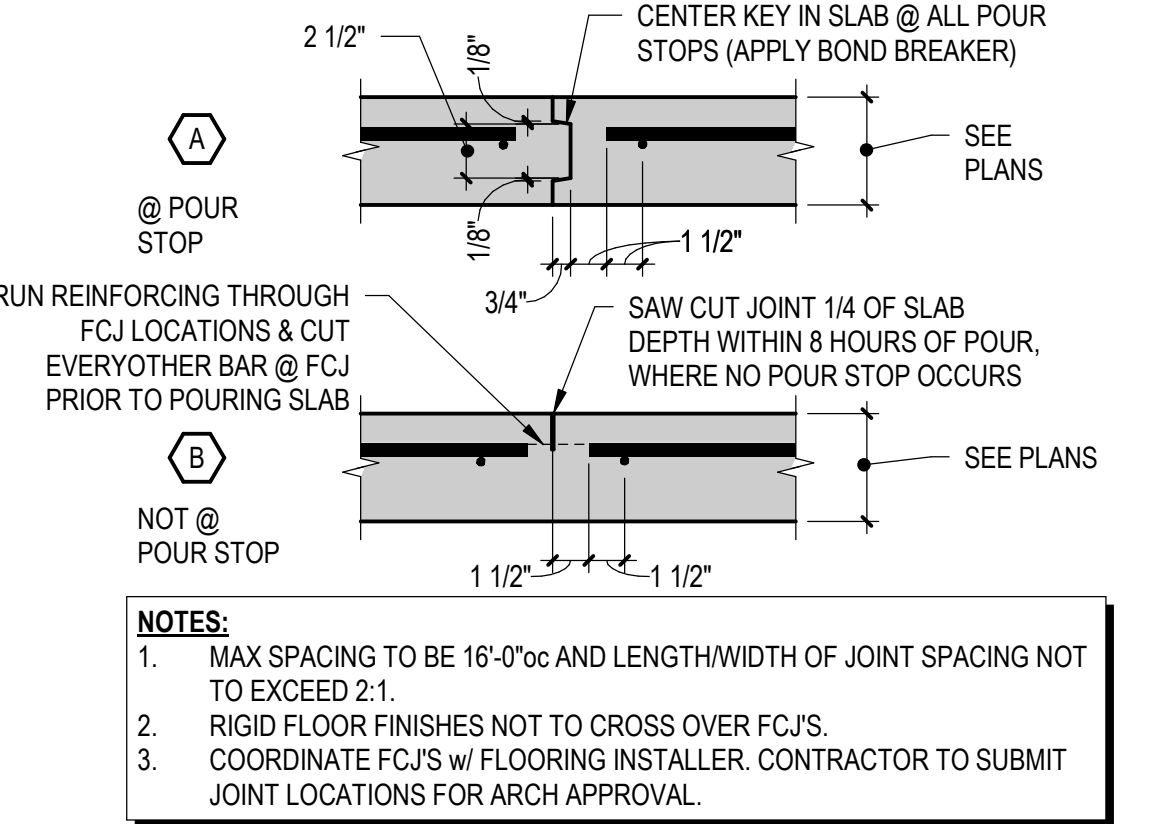
10 ADDITIONAL SLAB REINF. AT REENTRANT CORNERS
SCALE: 3/4" = 1'-0"



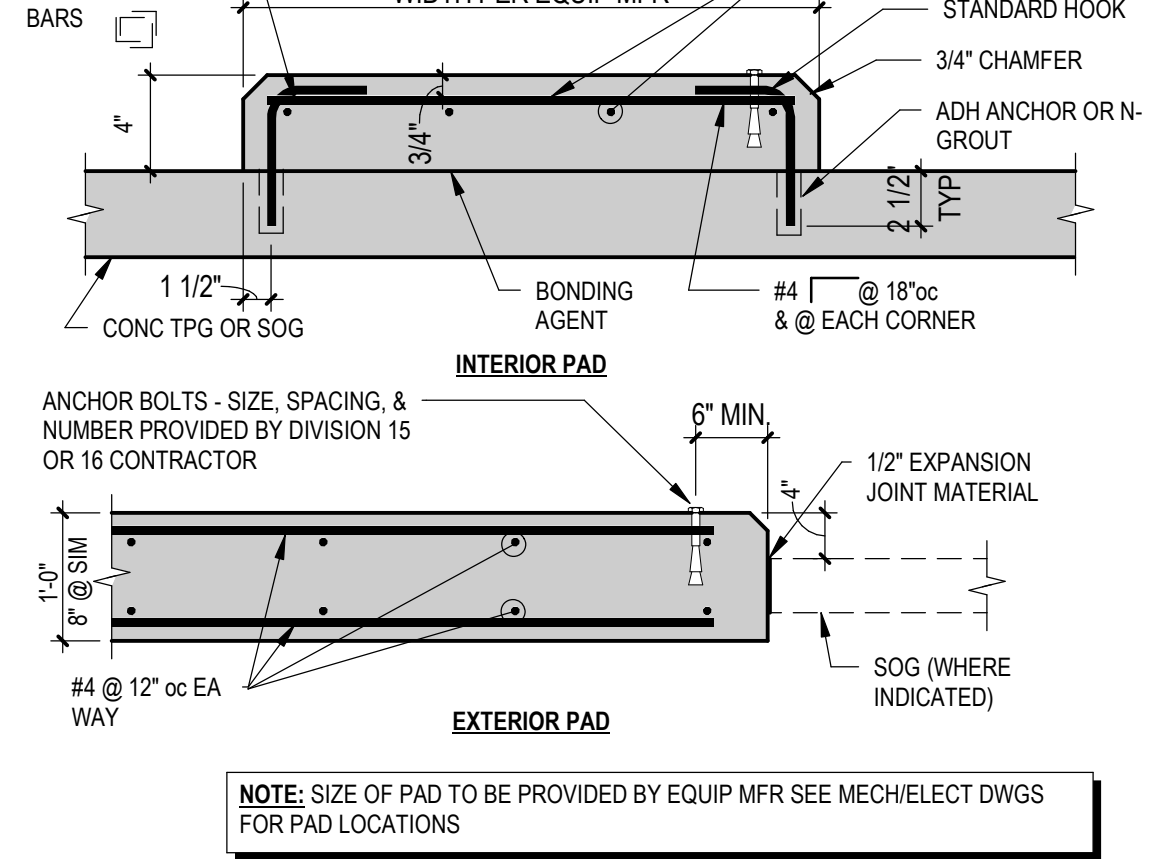
1 SLAB-ON-GRADE SECTION
SCALE: 1 1/2" = 1'-0"



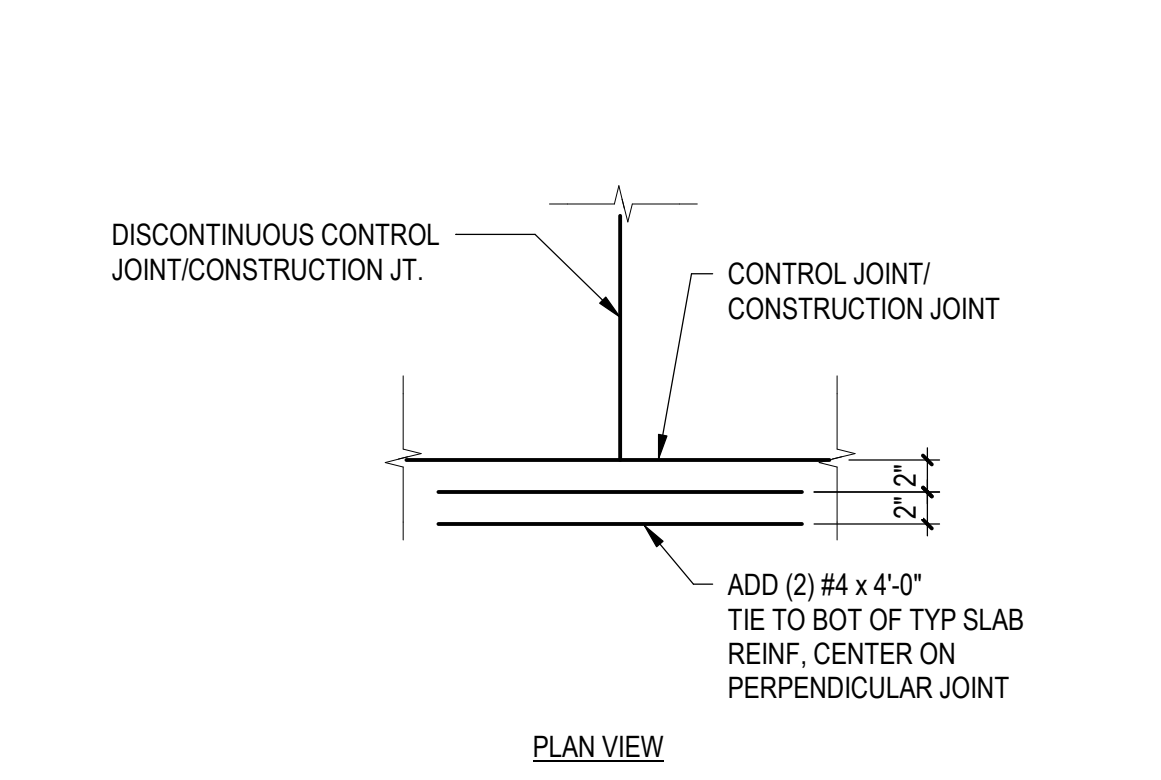
2 THICKENED SLAB DETAIL
SCALE: 3/4" = 1'-0"



3 FLOOR CONTROL JOINTS (FCJ) INTERIOR SLAB-ON-GRADE
SCALE: 1 1/2" = 1'-0"



4 MECH/ELECT. EQUIPMENT PAD
SCALE: 1" = 1'-0"



5 DISCONTINUOUS CONTROL JOINT
SCALE: 1" = 1'-0"

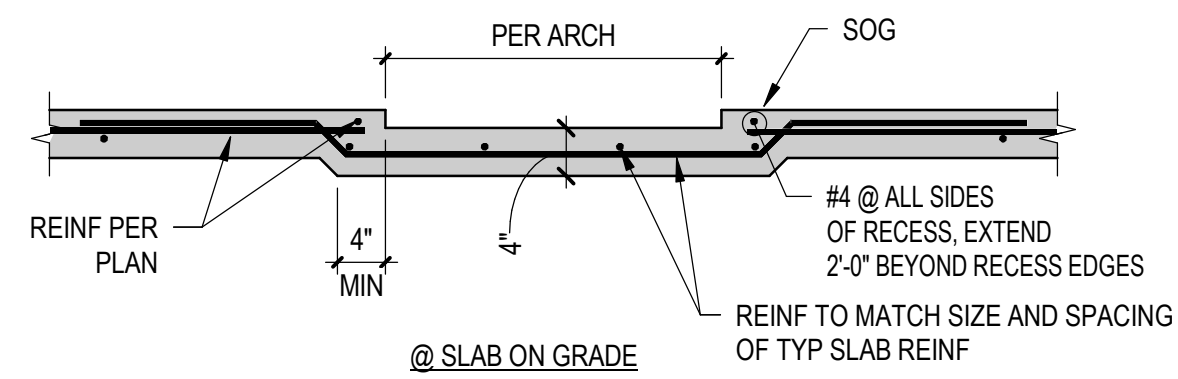


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HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

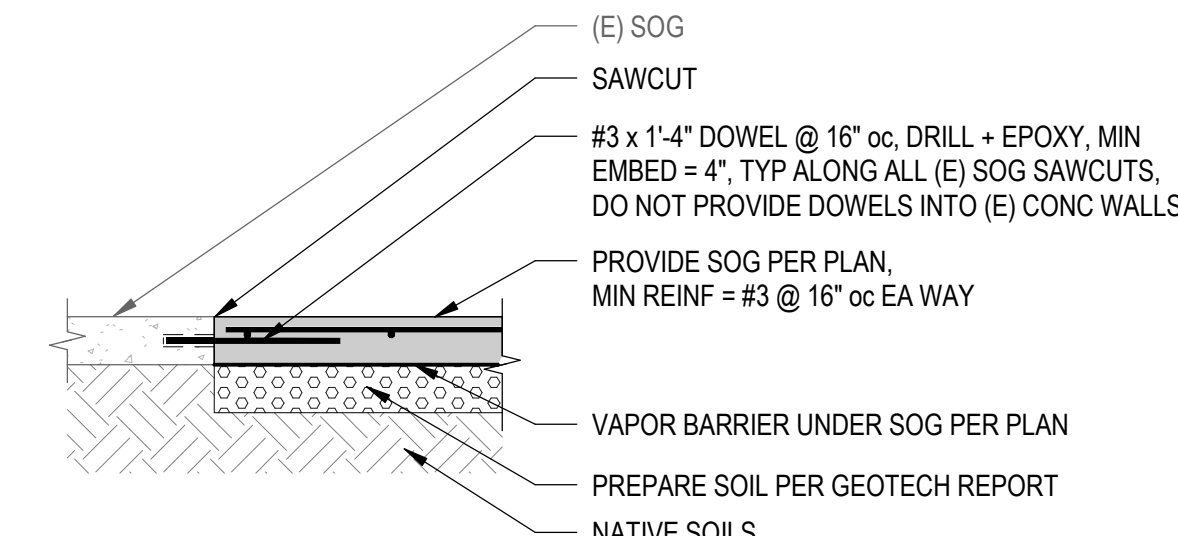
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	AM
Checked by:	TD
Revisions	
#	Date Description

TYPICAL
CONCRETE
DETAILS

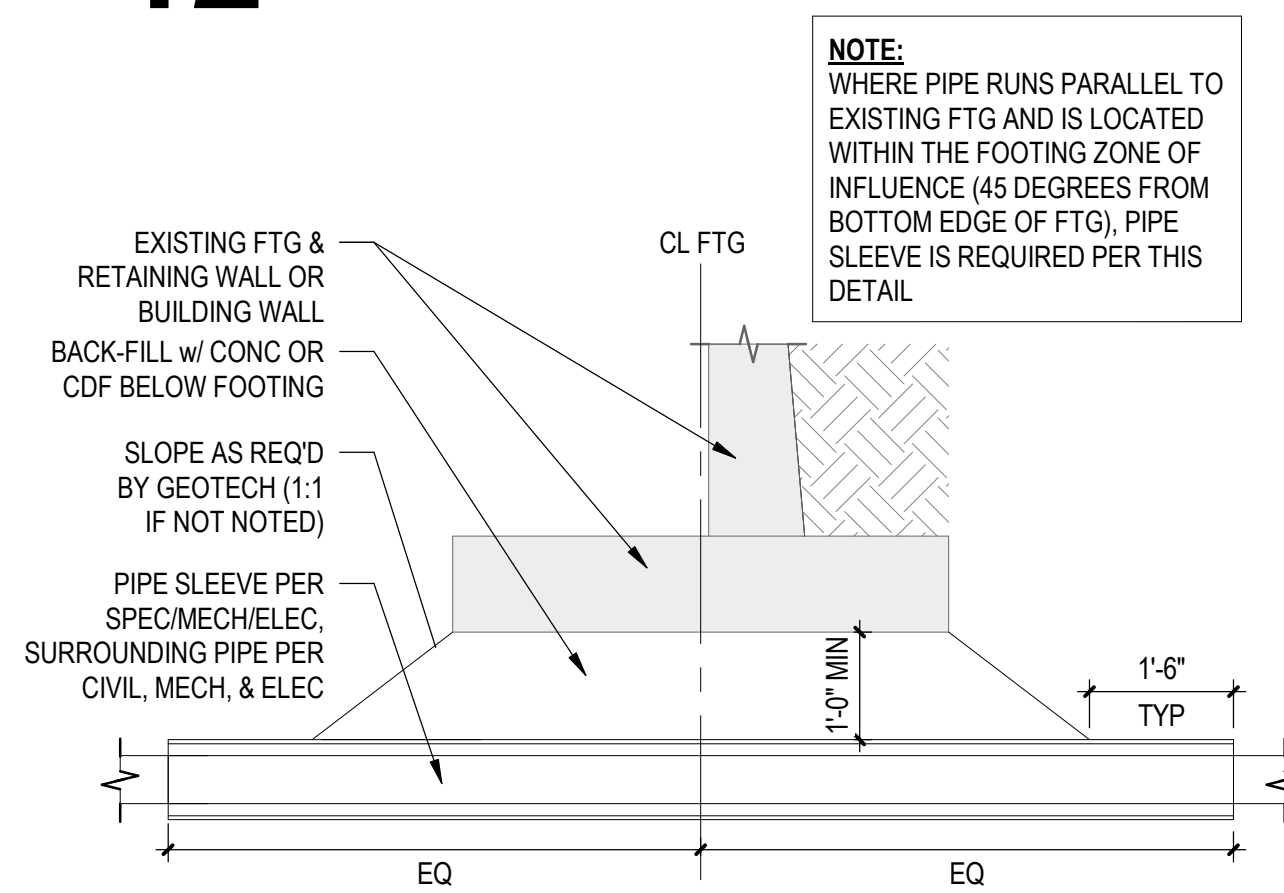
S020



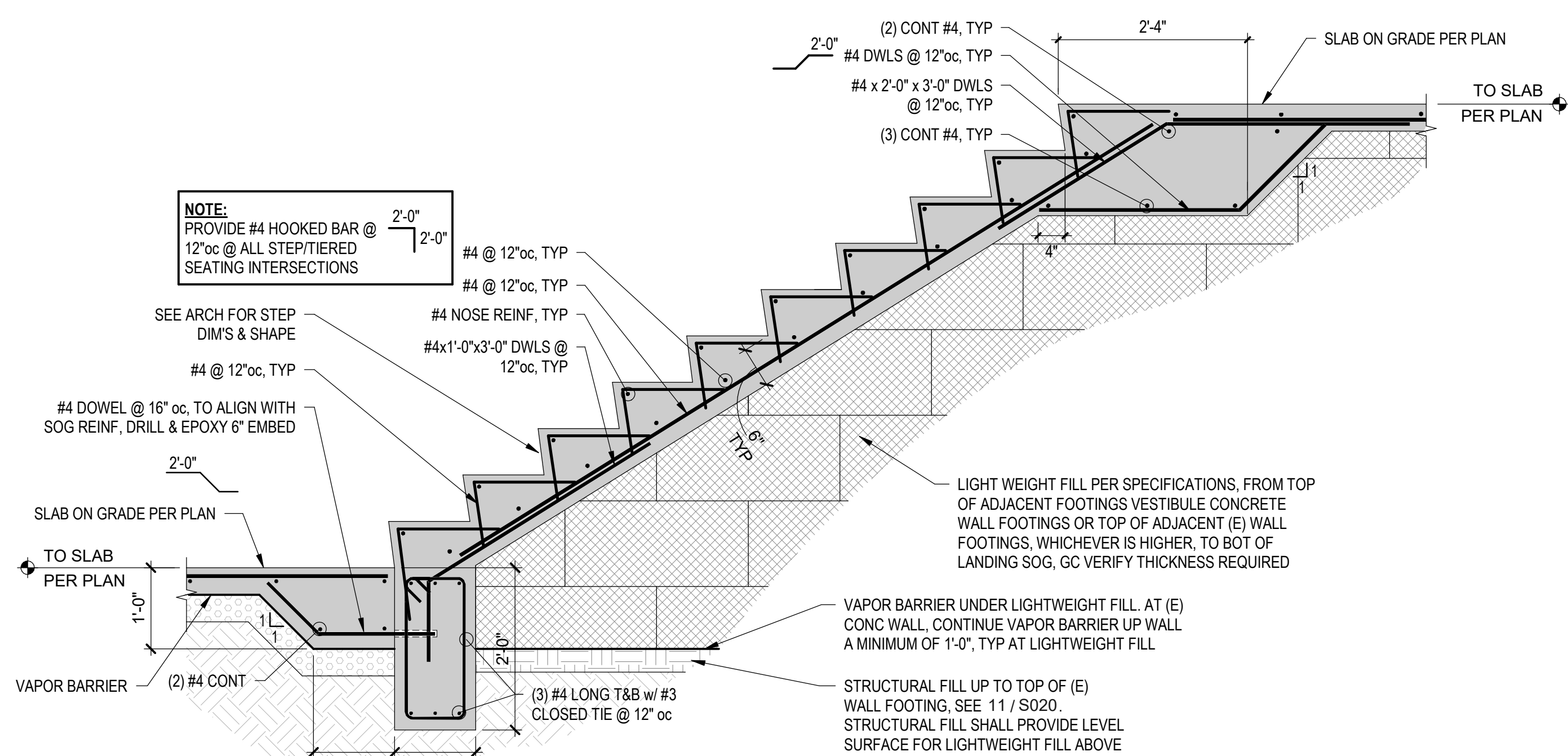
11 SLAB RECESS
SCALE: 3/4" = 1'-0"



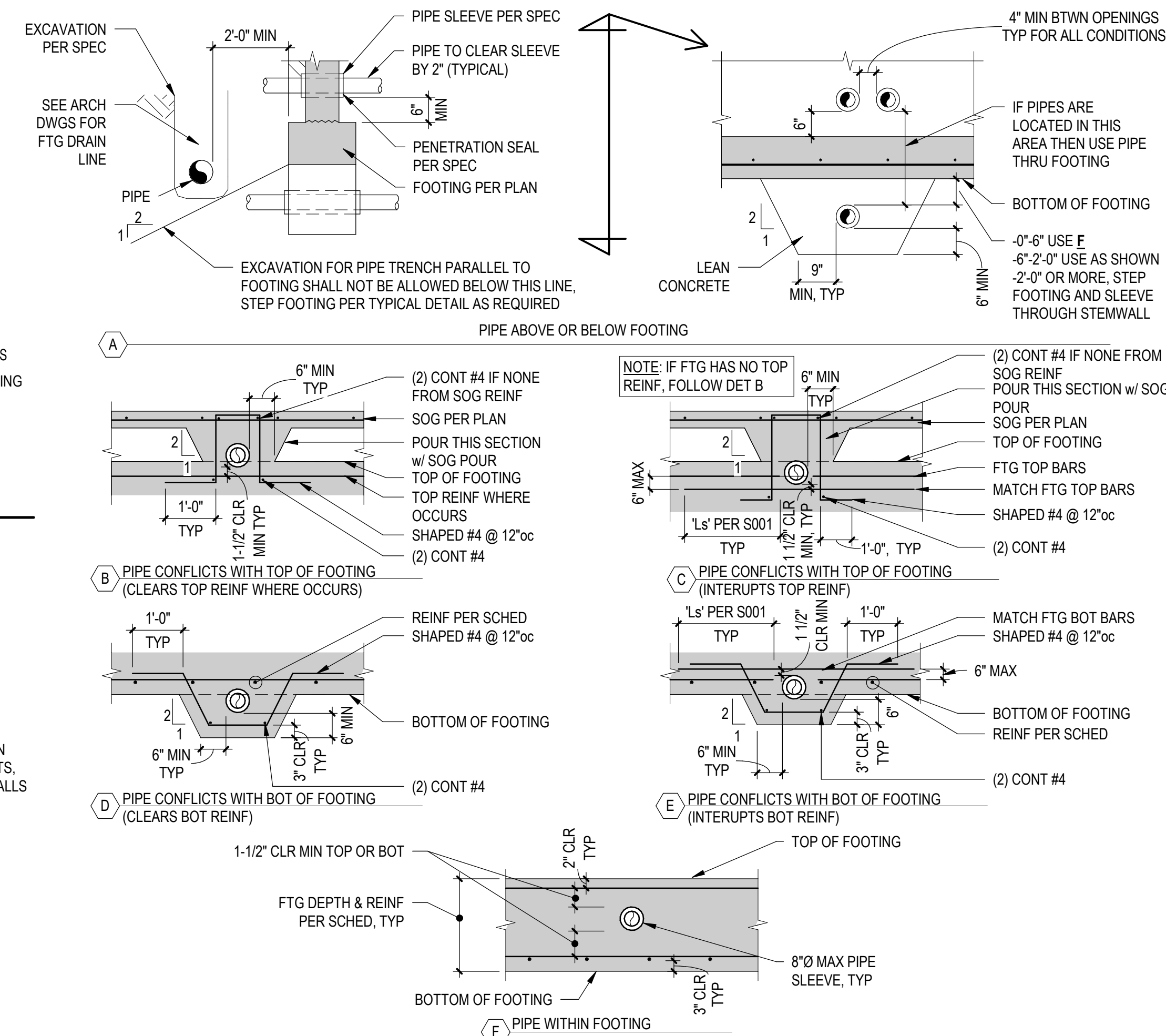
12 SOG CONN TO (E) SOG @ SAWCUT
SCALE: 3/4" = 1'-0"



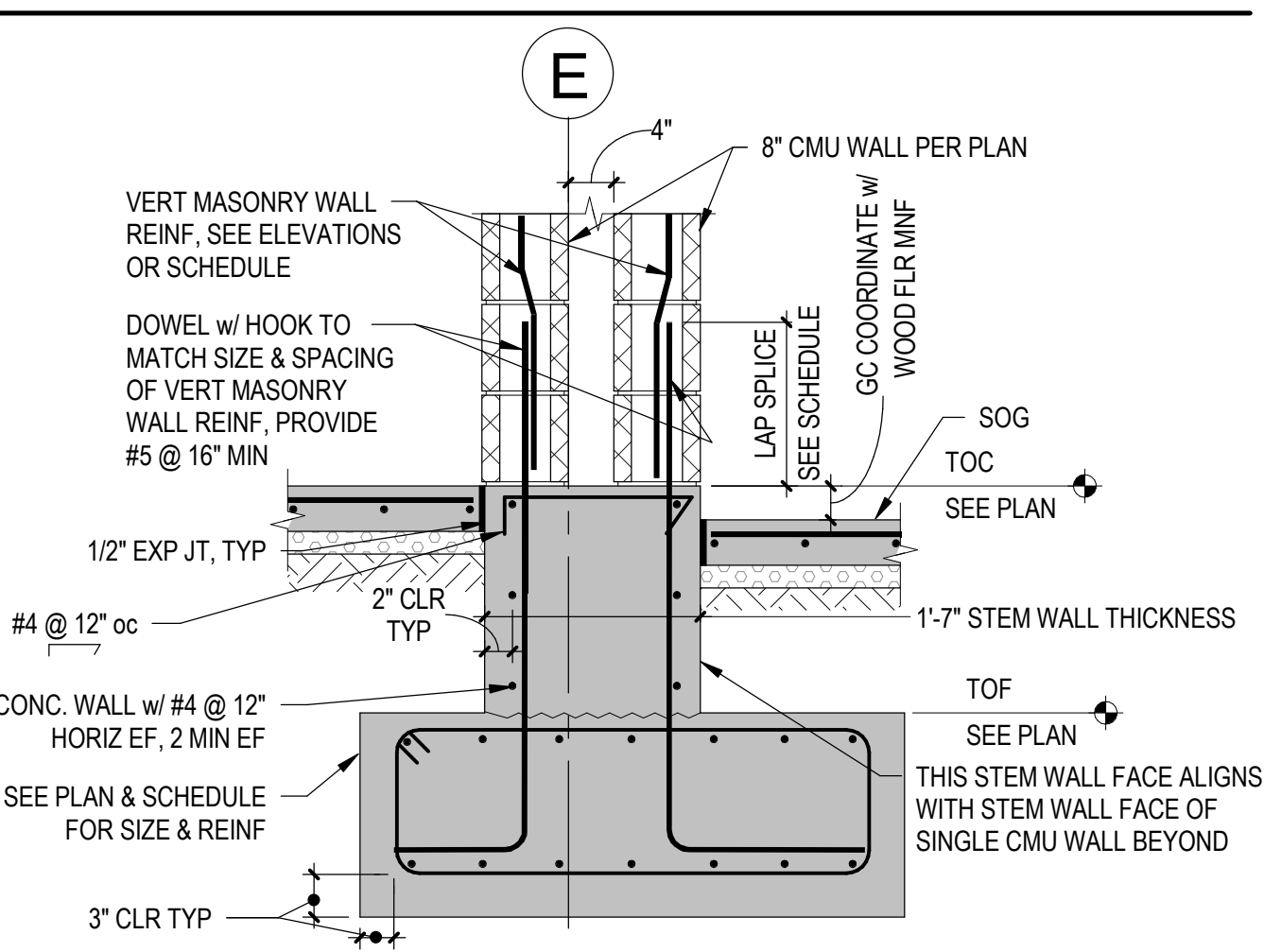
13 PIPE SLEEVE DETAIL
SCALE: 1/2" = 1'-0"



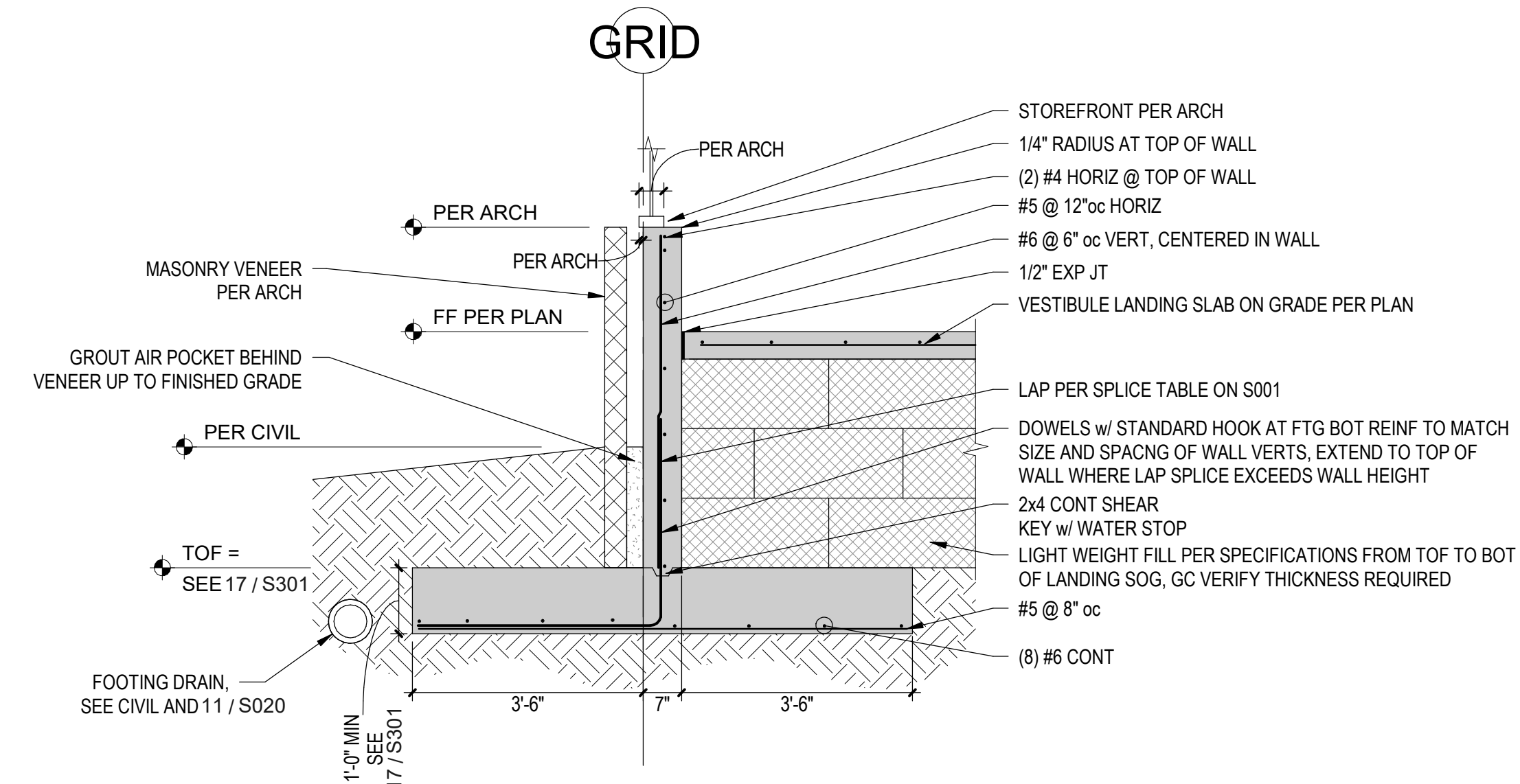
25 VESTIBULE STAIRS ON GRADE
SCALE: 3/4" = 1'-0"



7 PIPE SLEEVE FOOTING DETAIL
SCALE: 1/2" = 1'-0"



3 CMU WALL FOOTING AT BUILDING JOINT
SCALE: 3/4" = 1'-0"



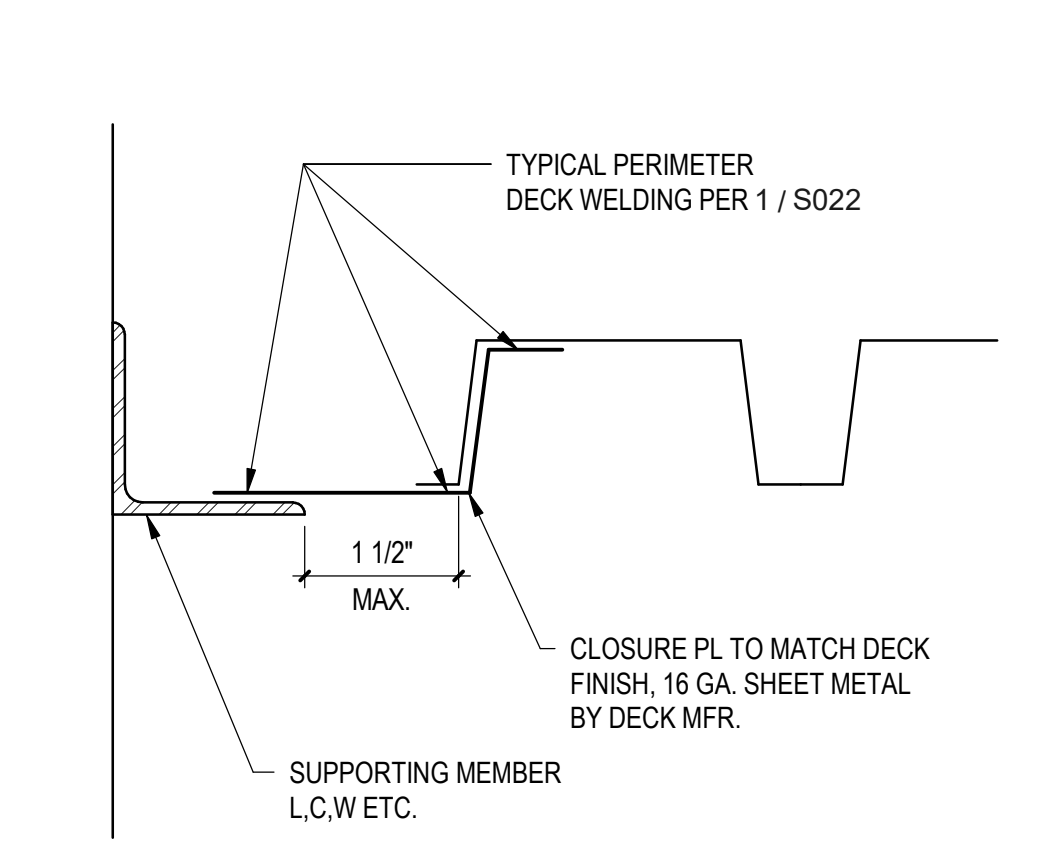
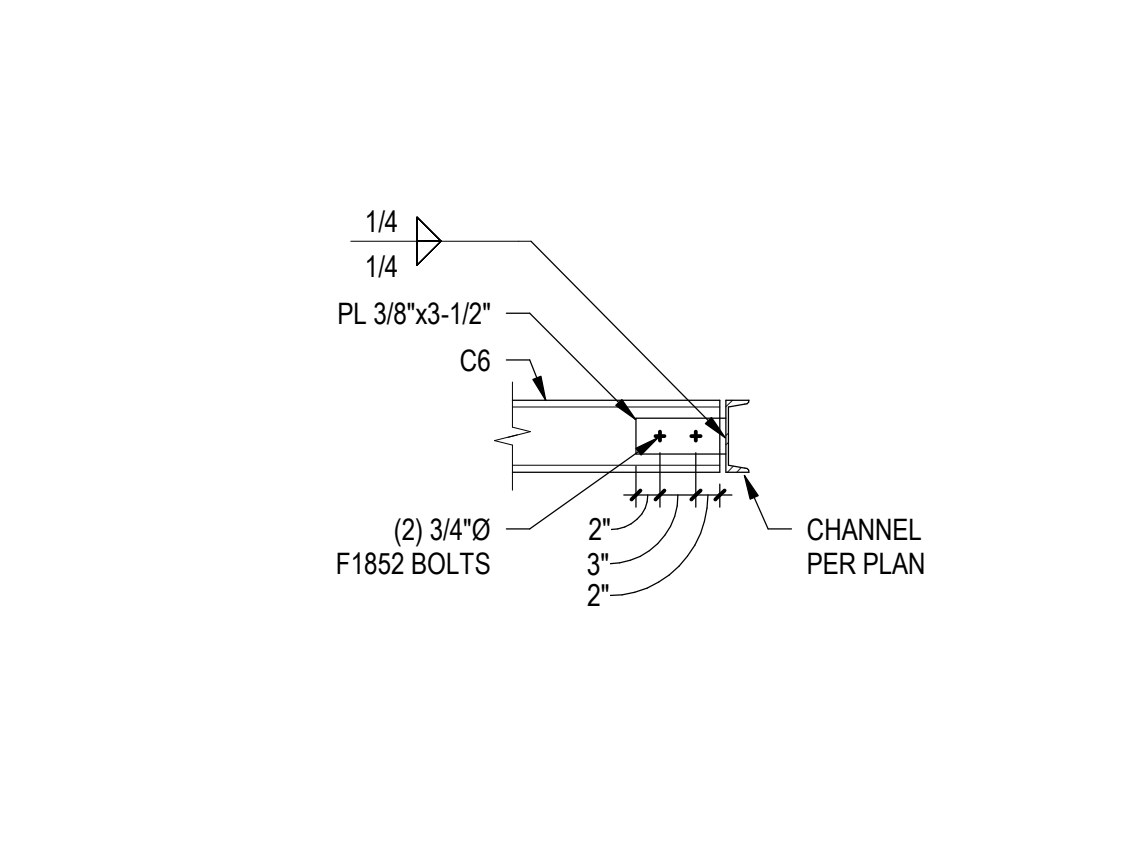
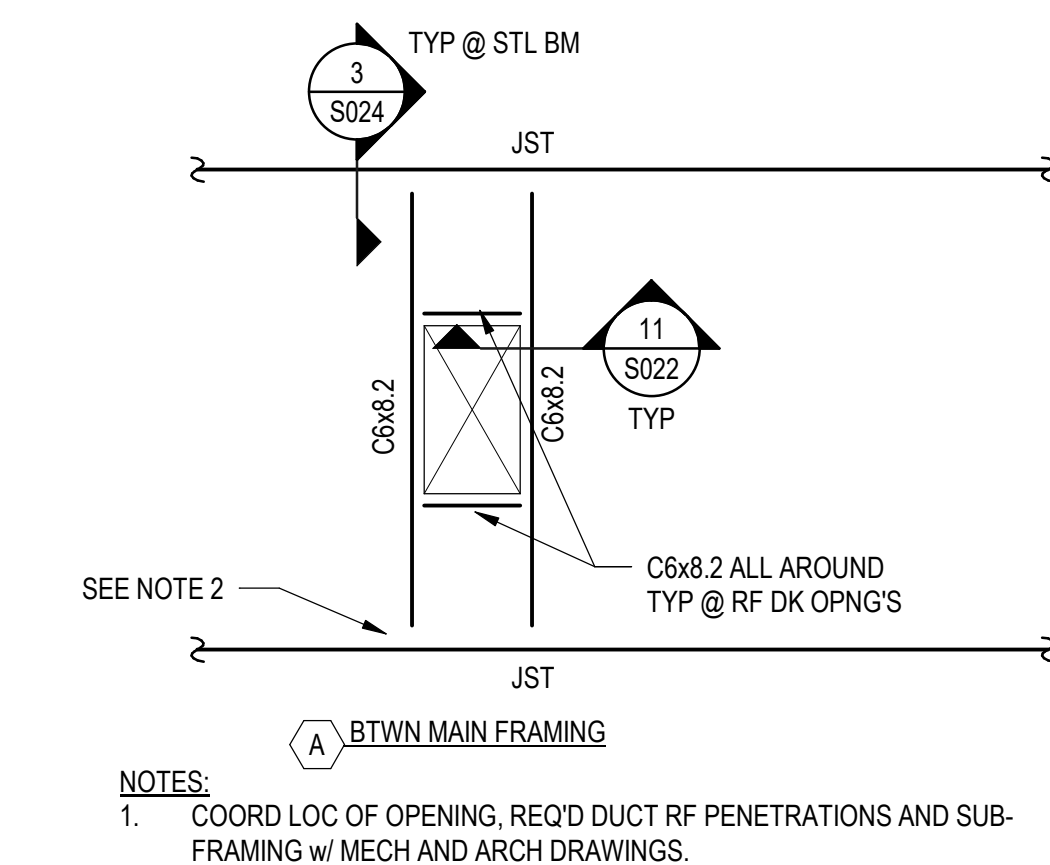
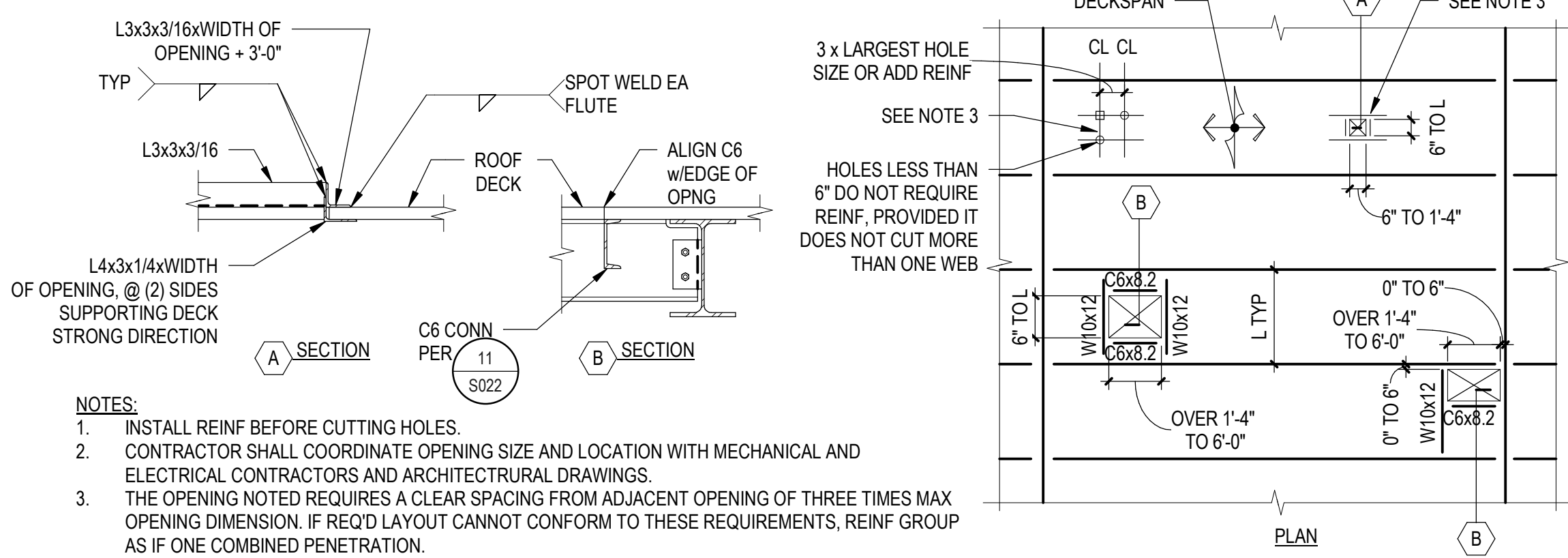
10 VESTIBULE LANDING WALL
SCALE: 1/2" = 1'-0"

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TYPICAL
CONCRETE
DETAILS

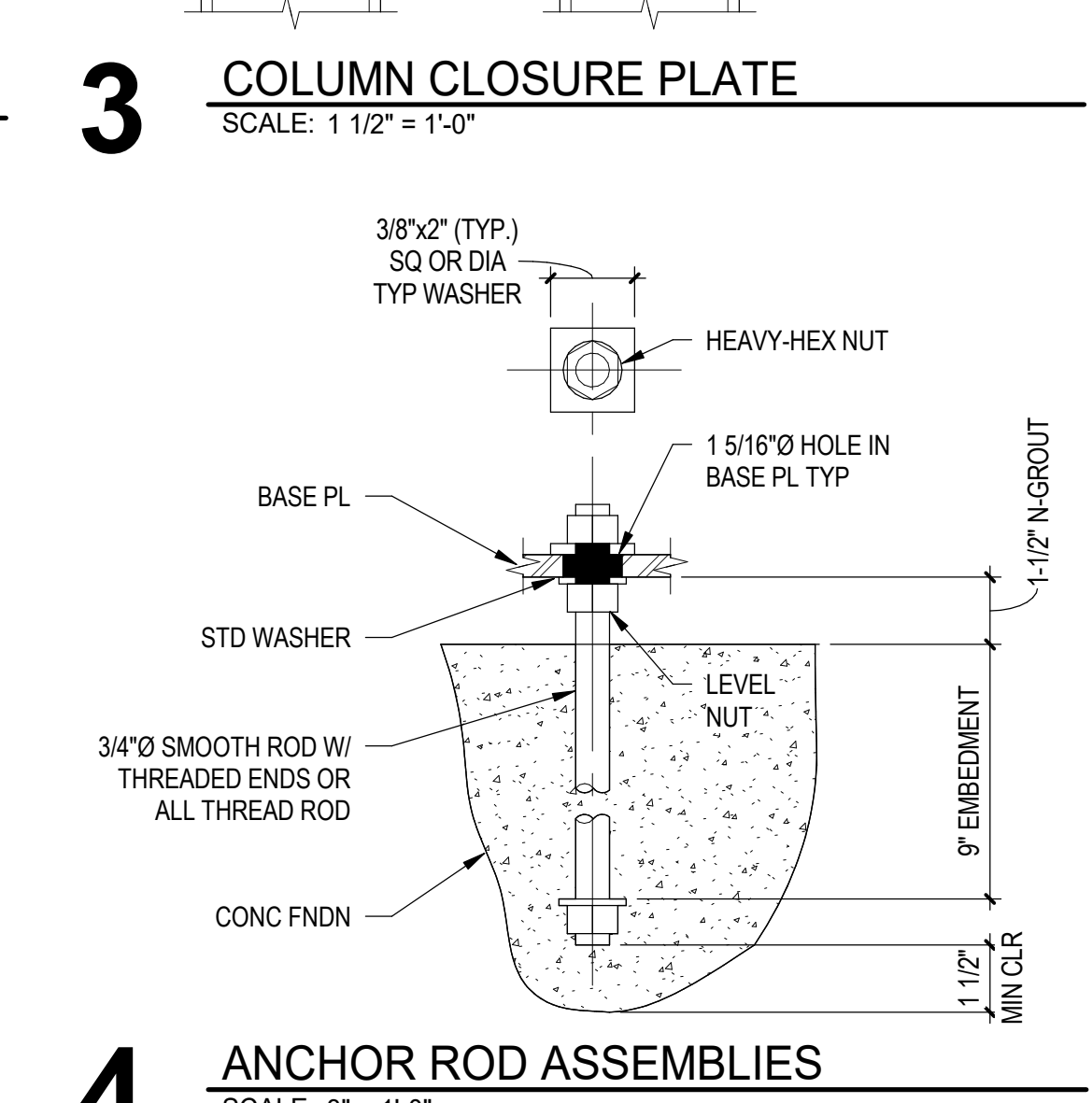
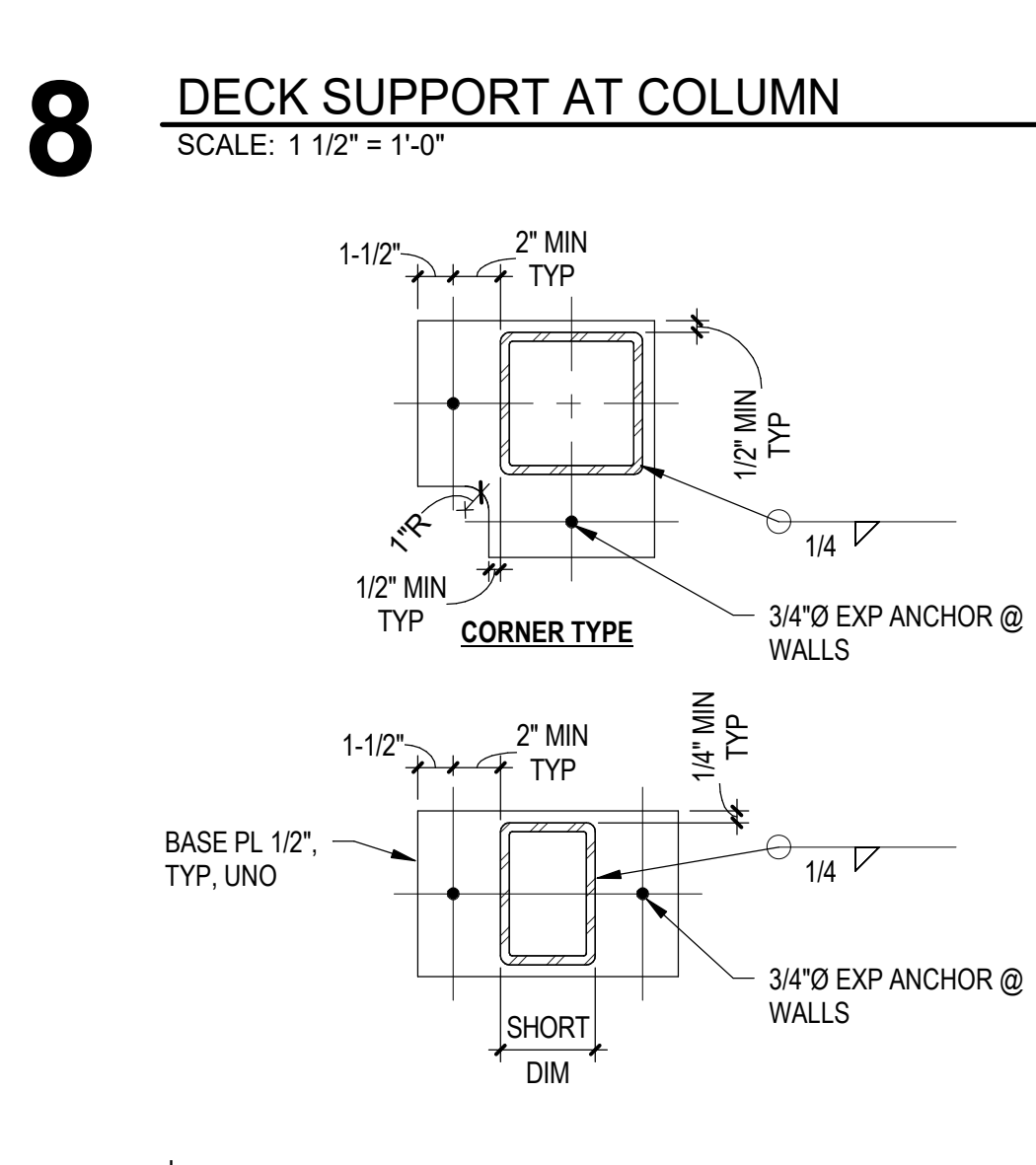
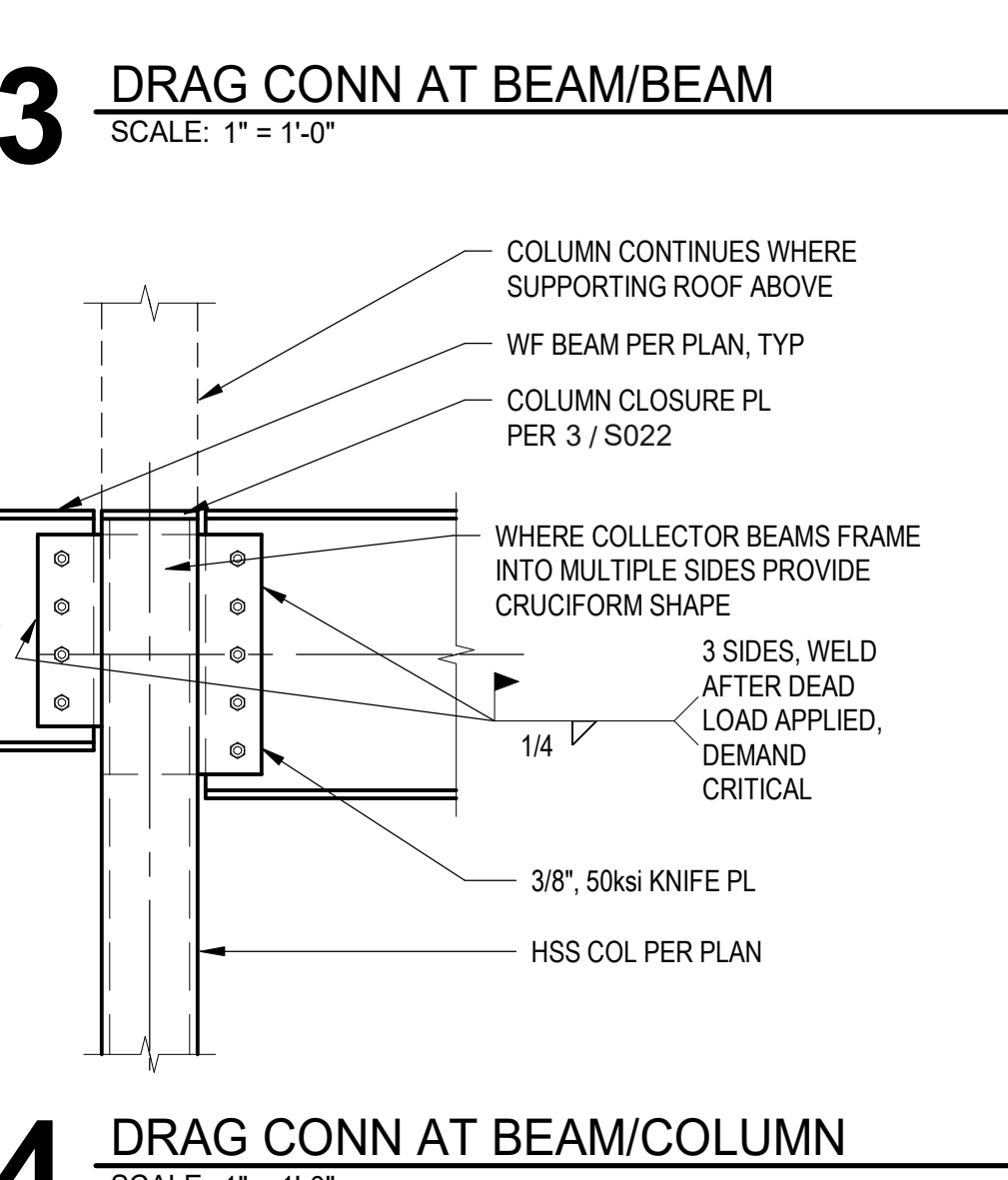
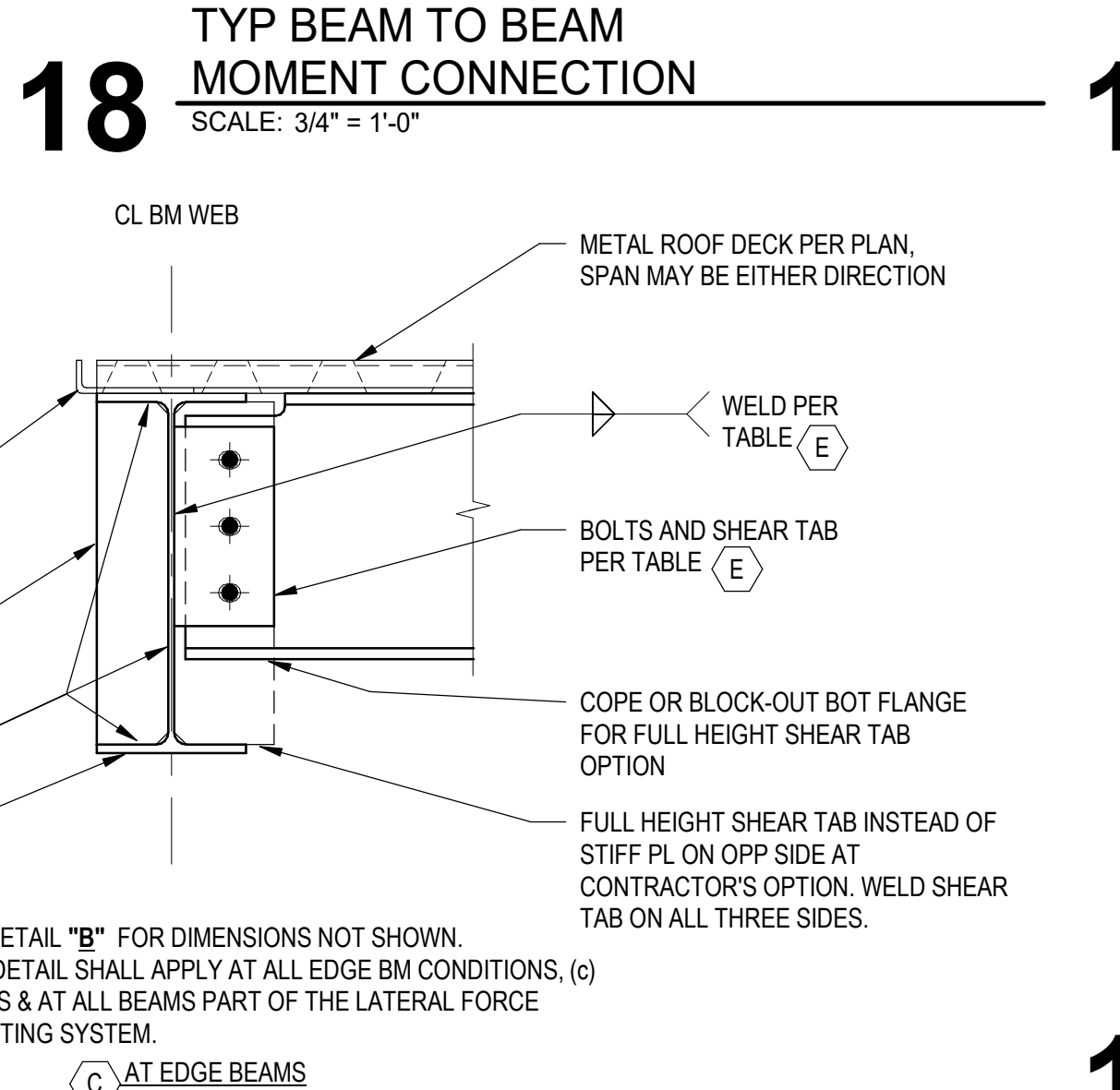
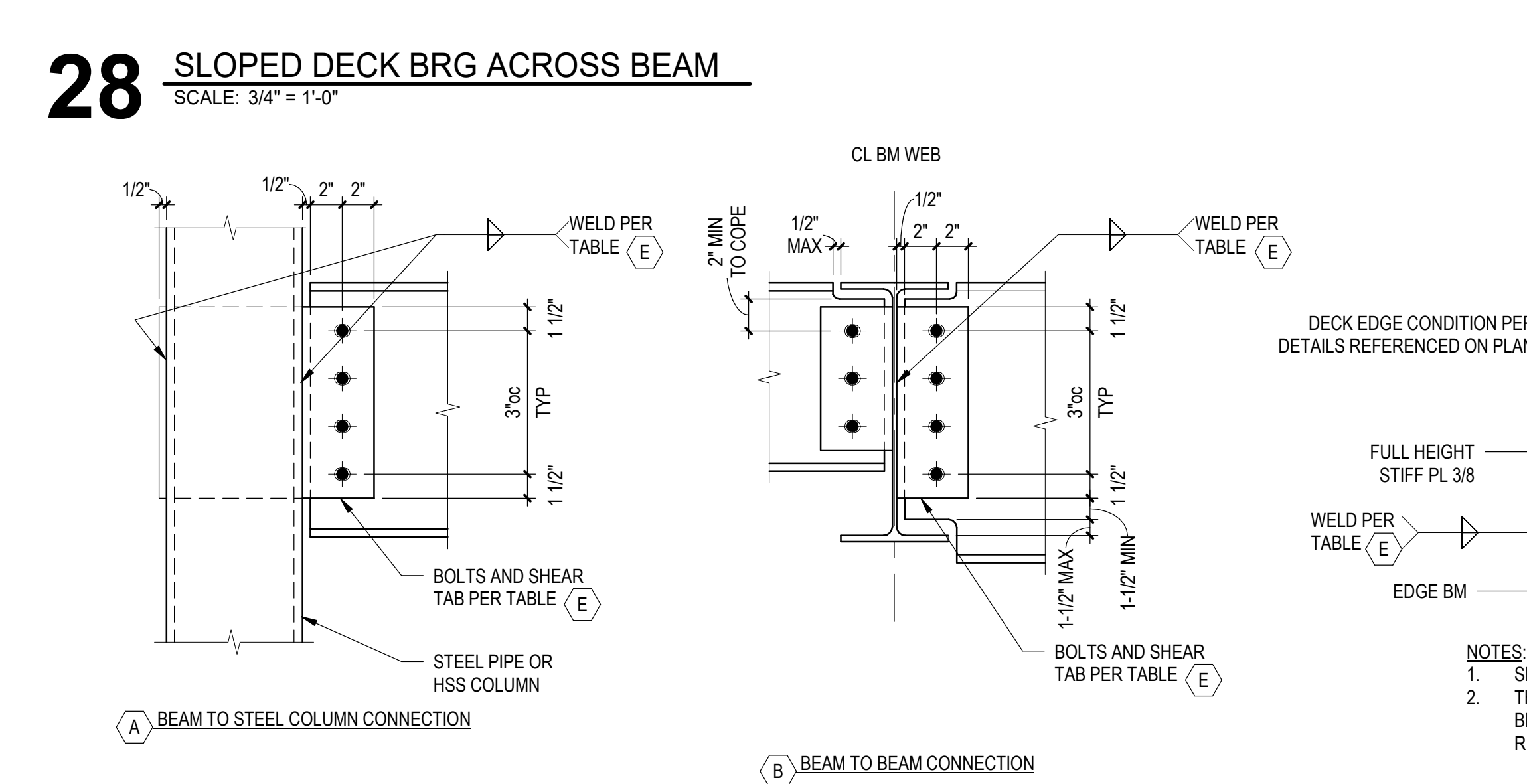
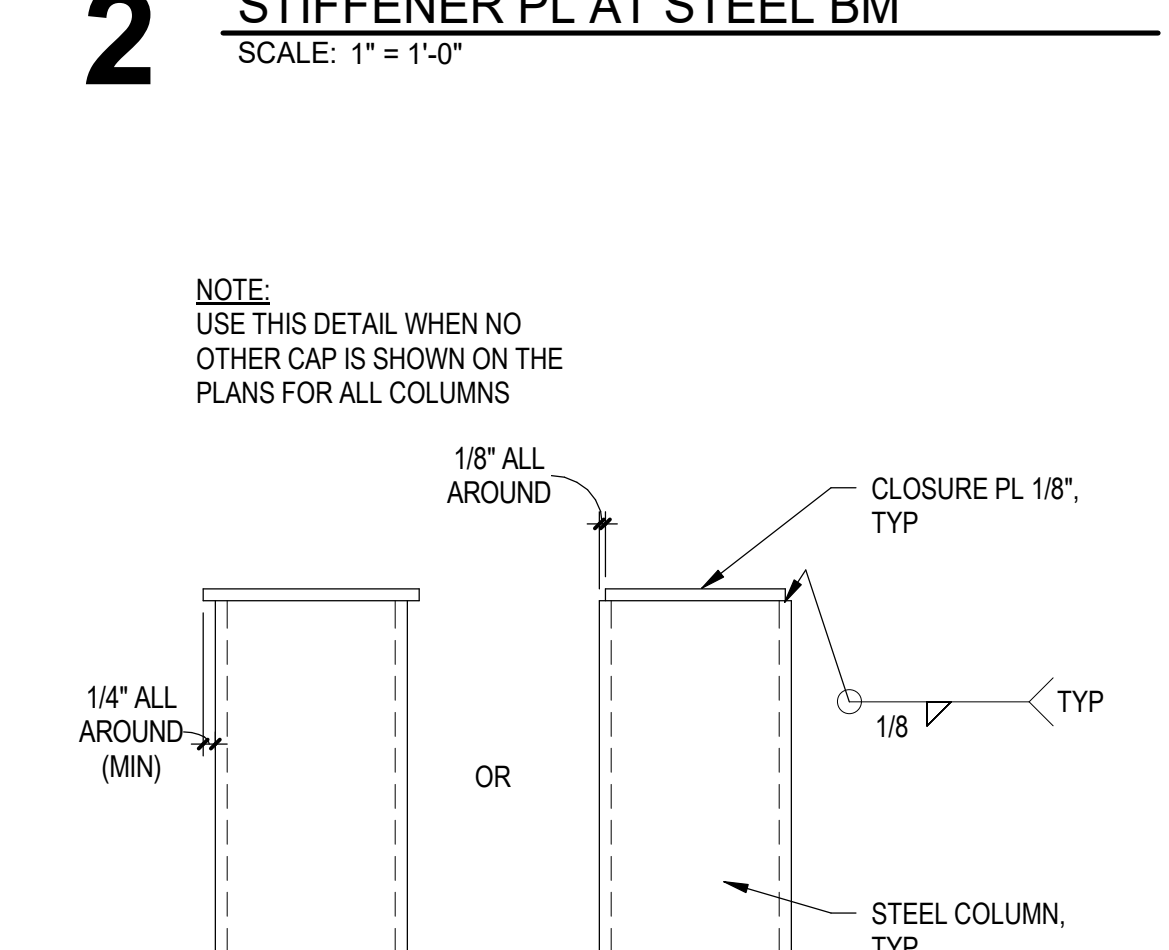
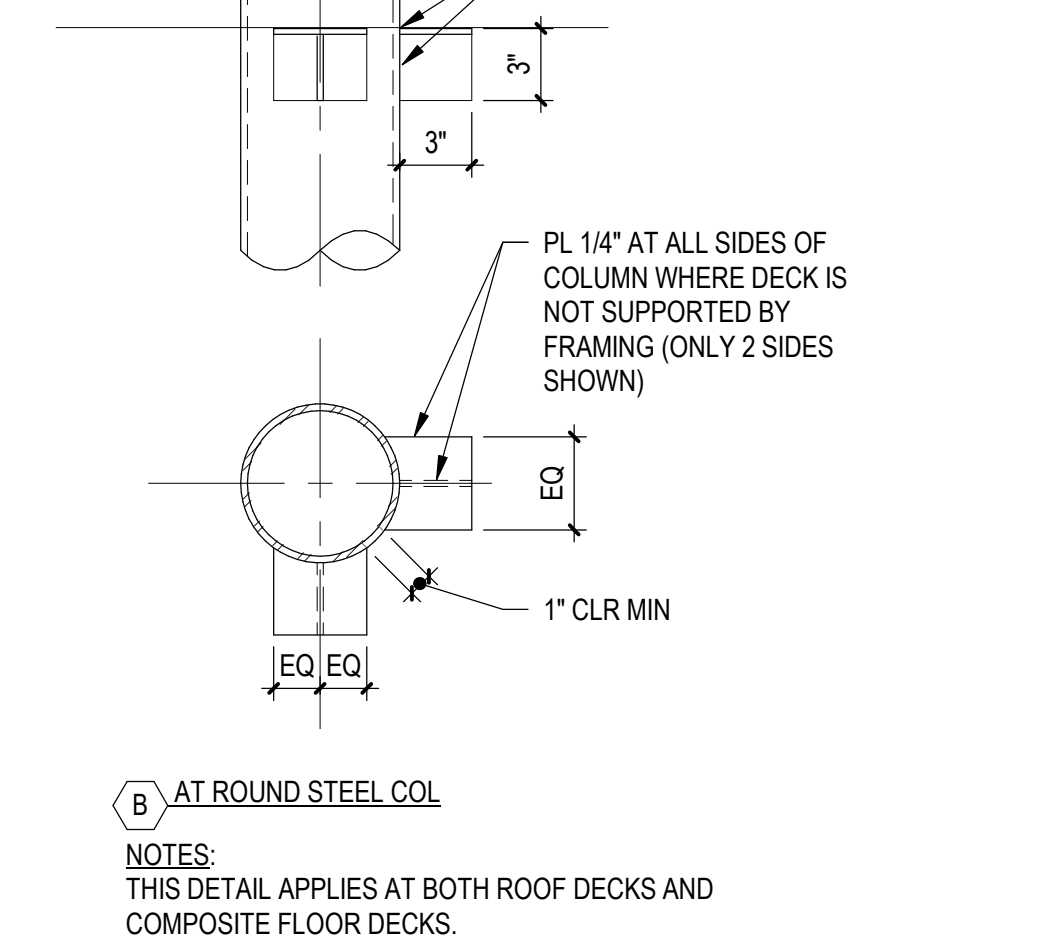
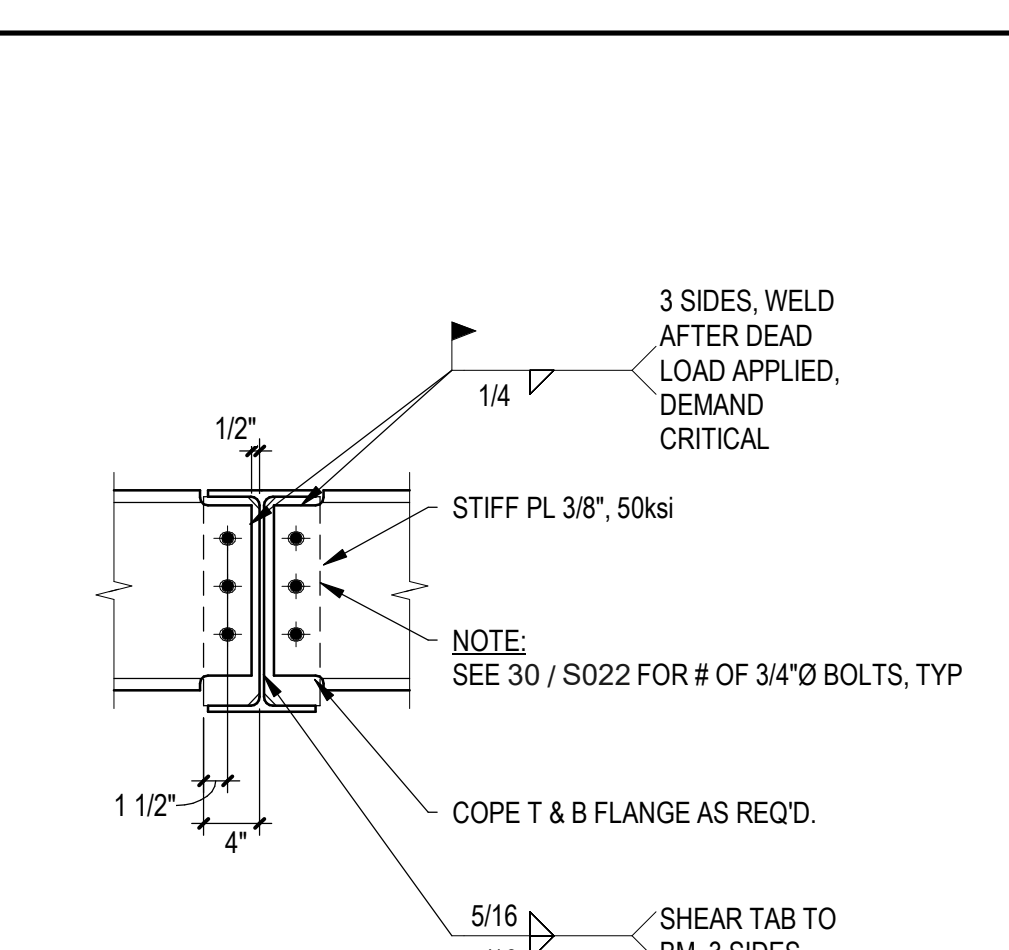
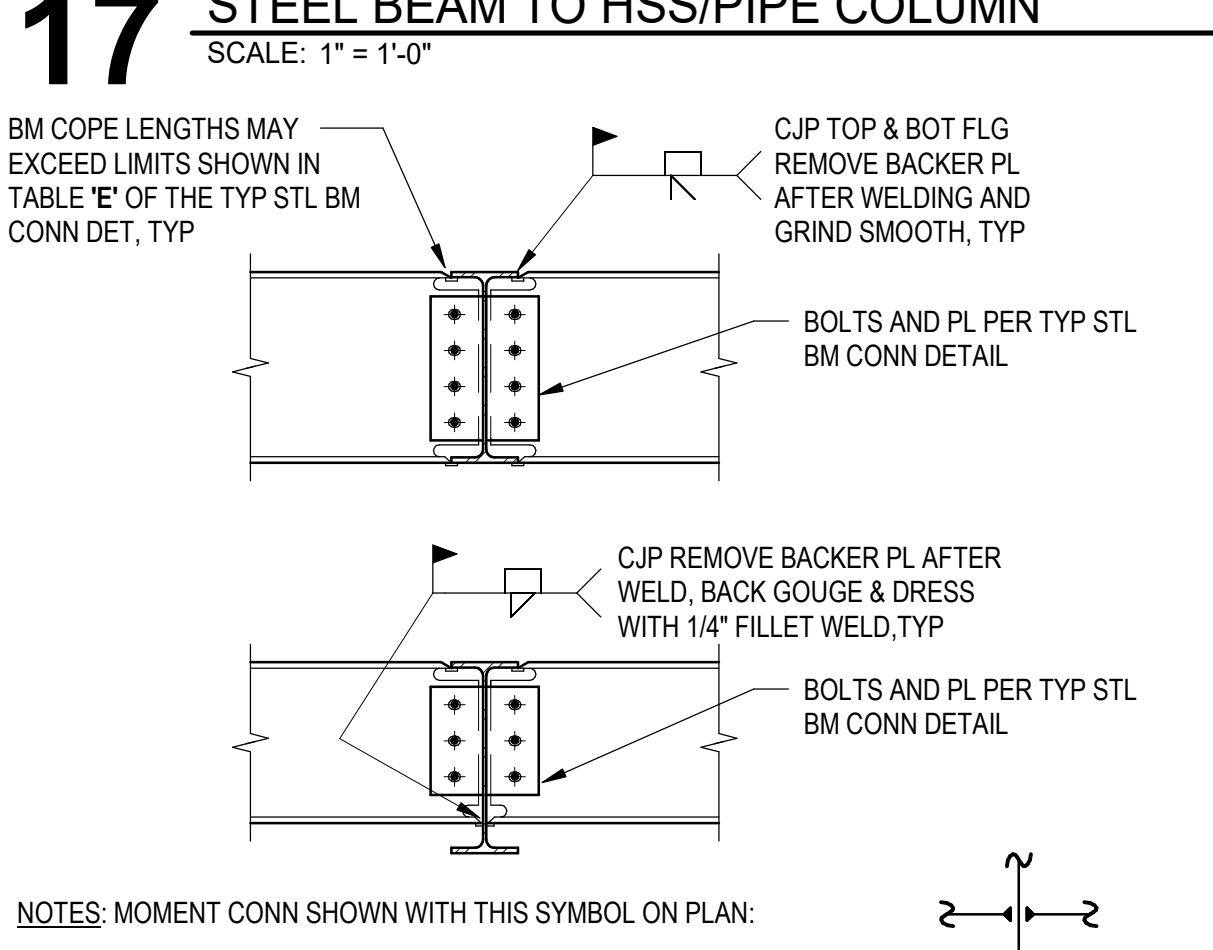
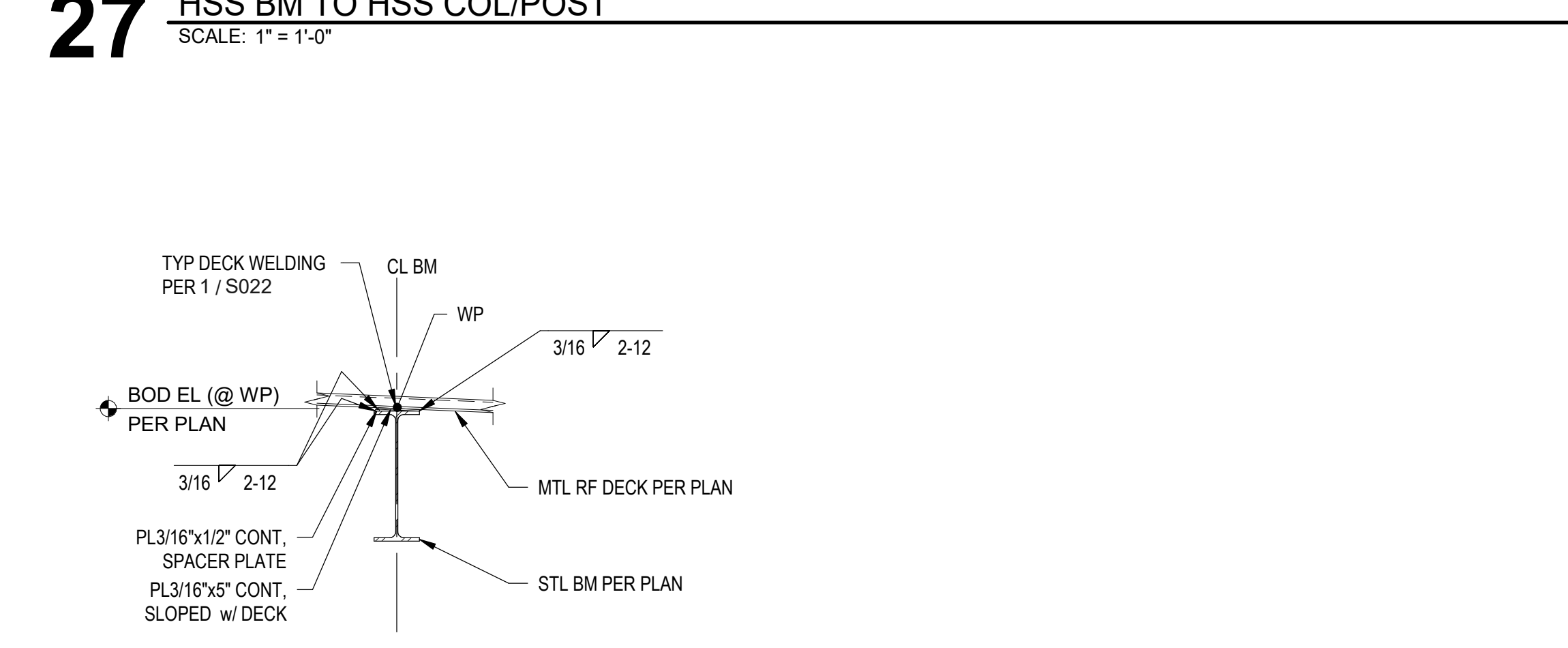
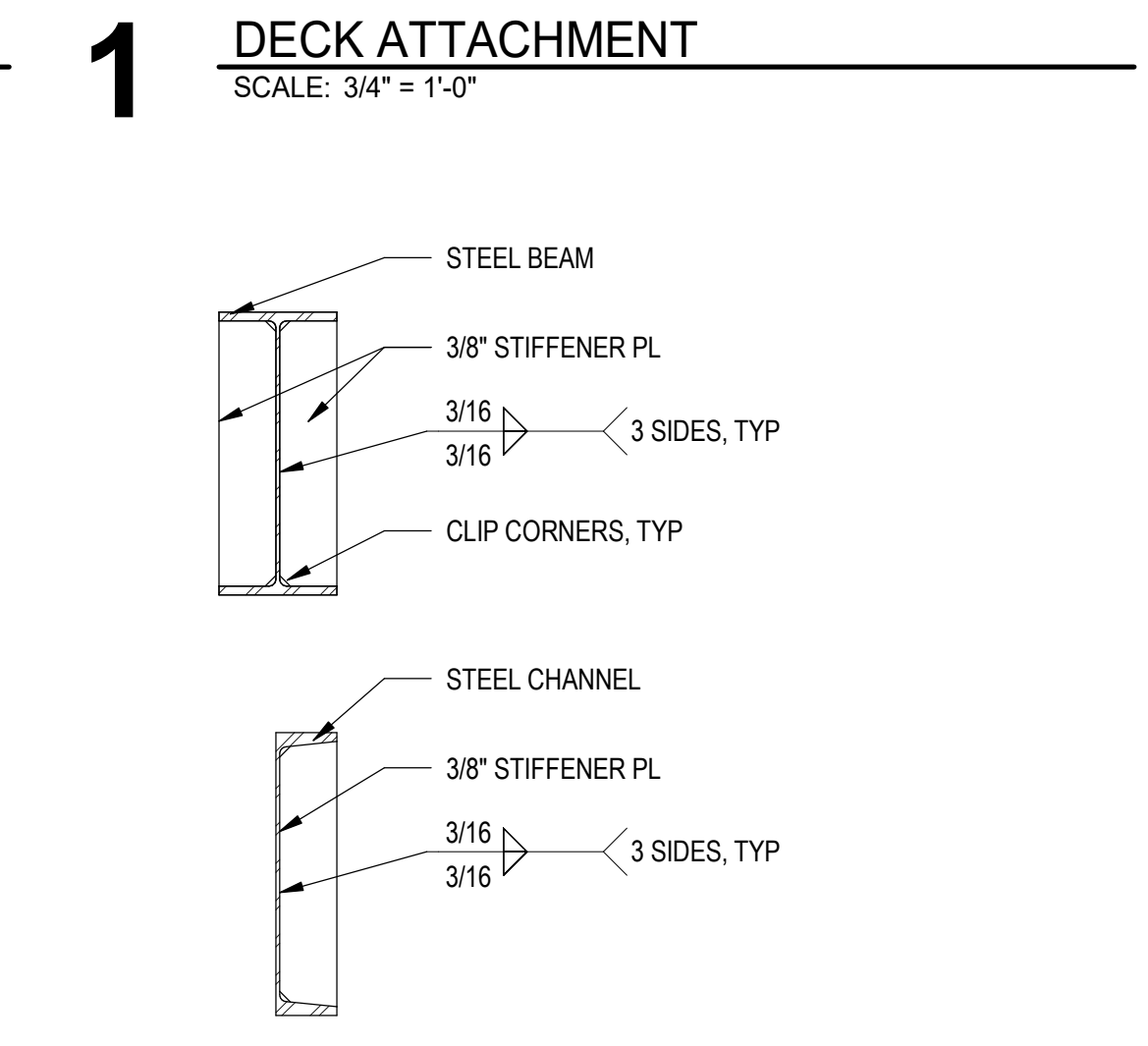
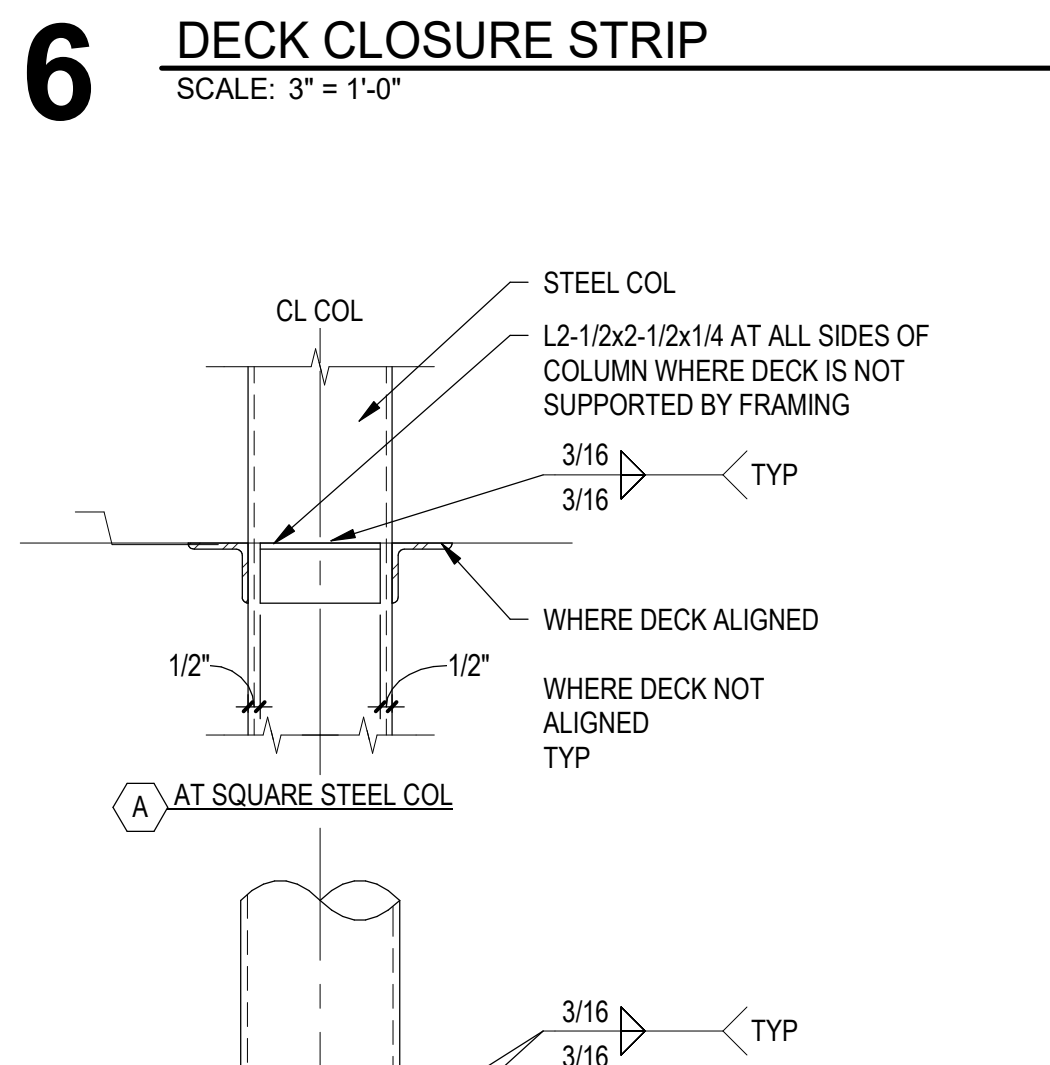
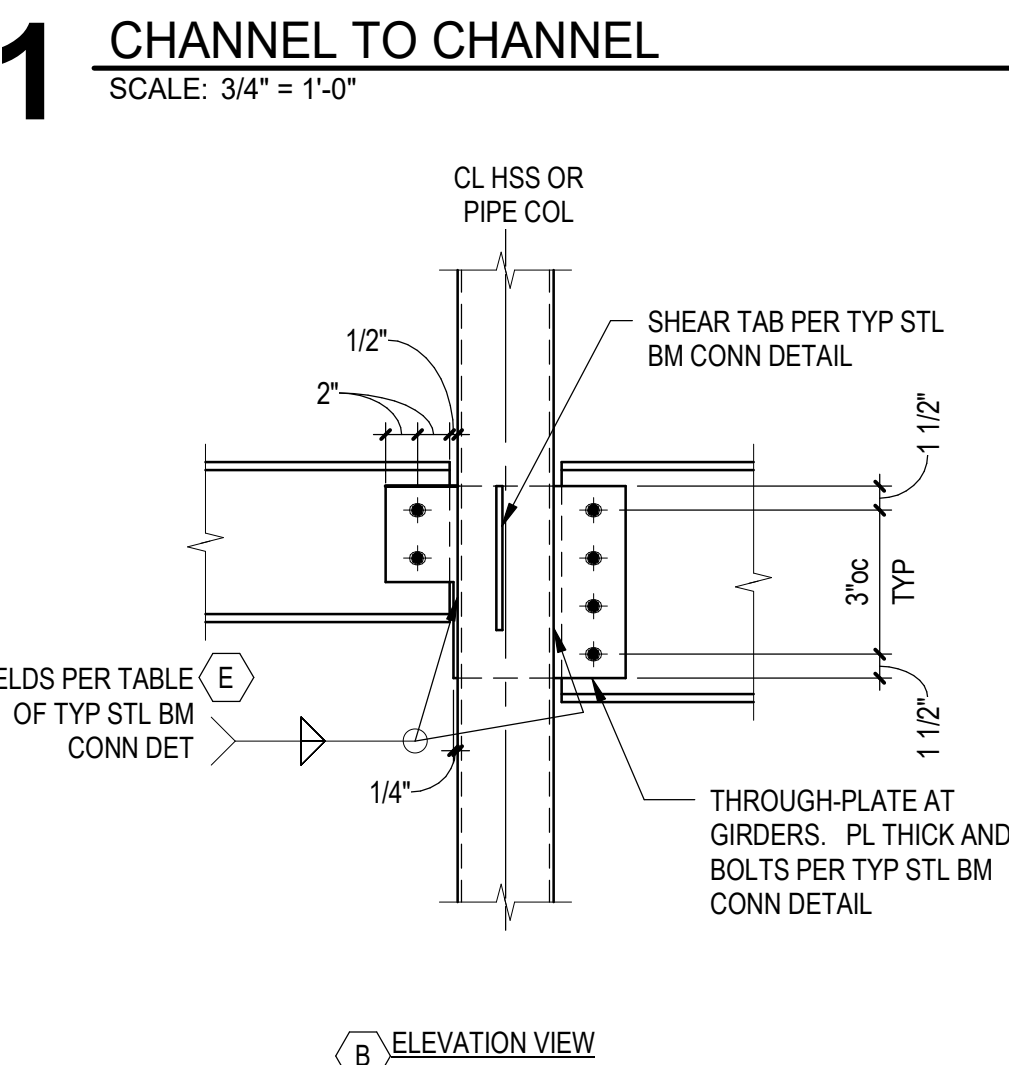
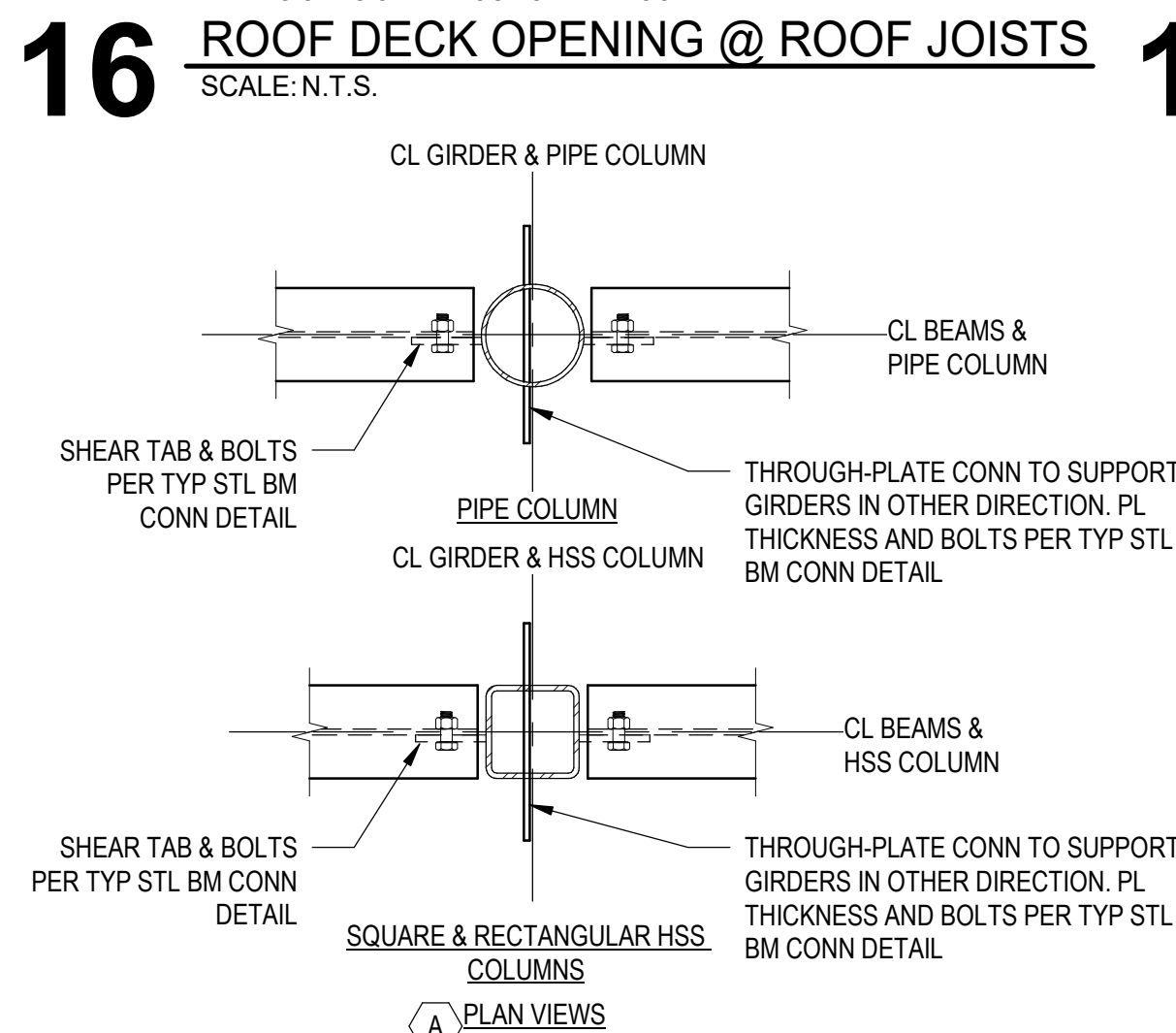
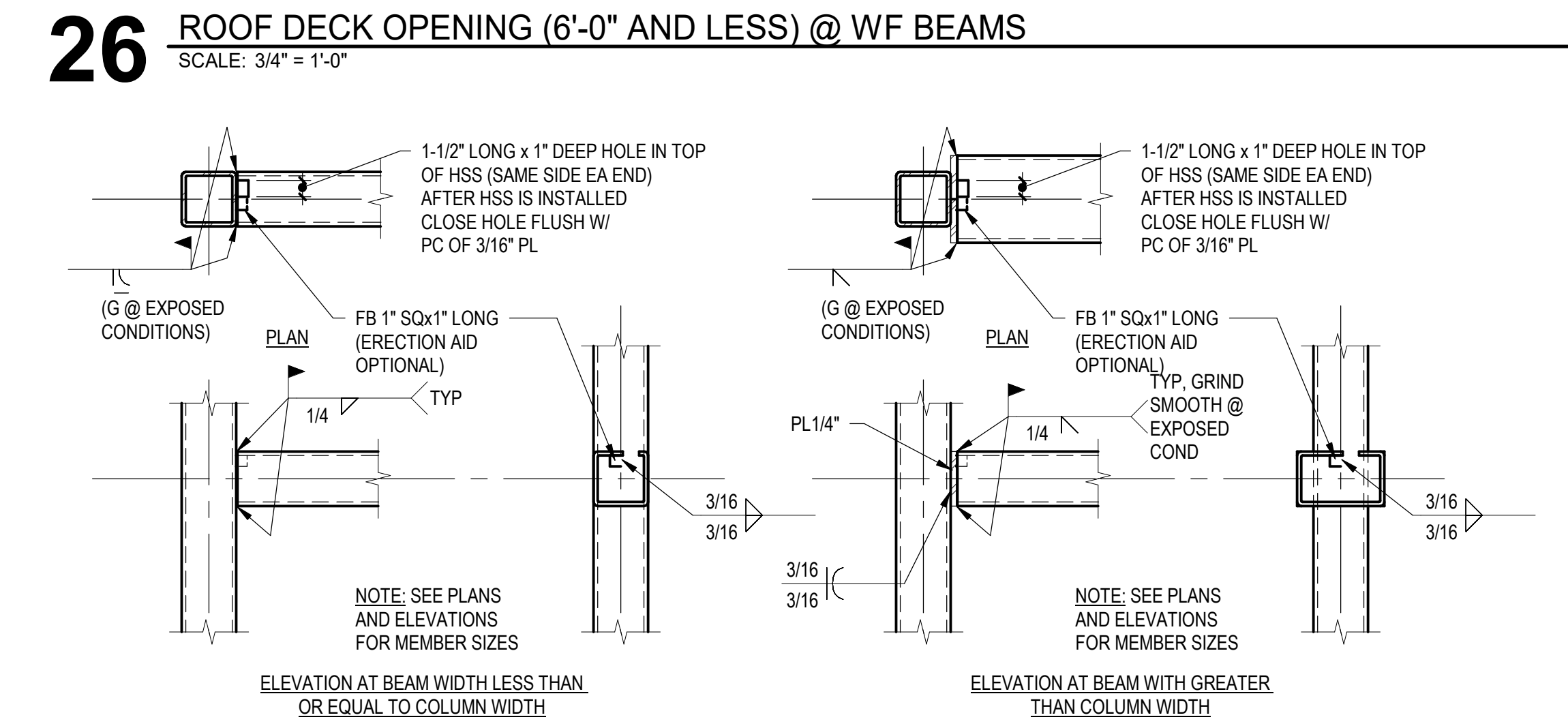
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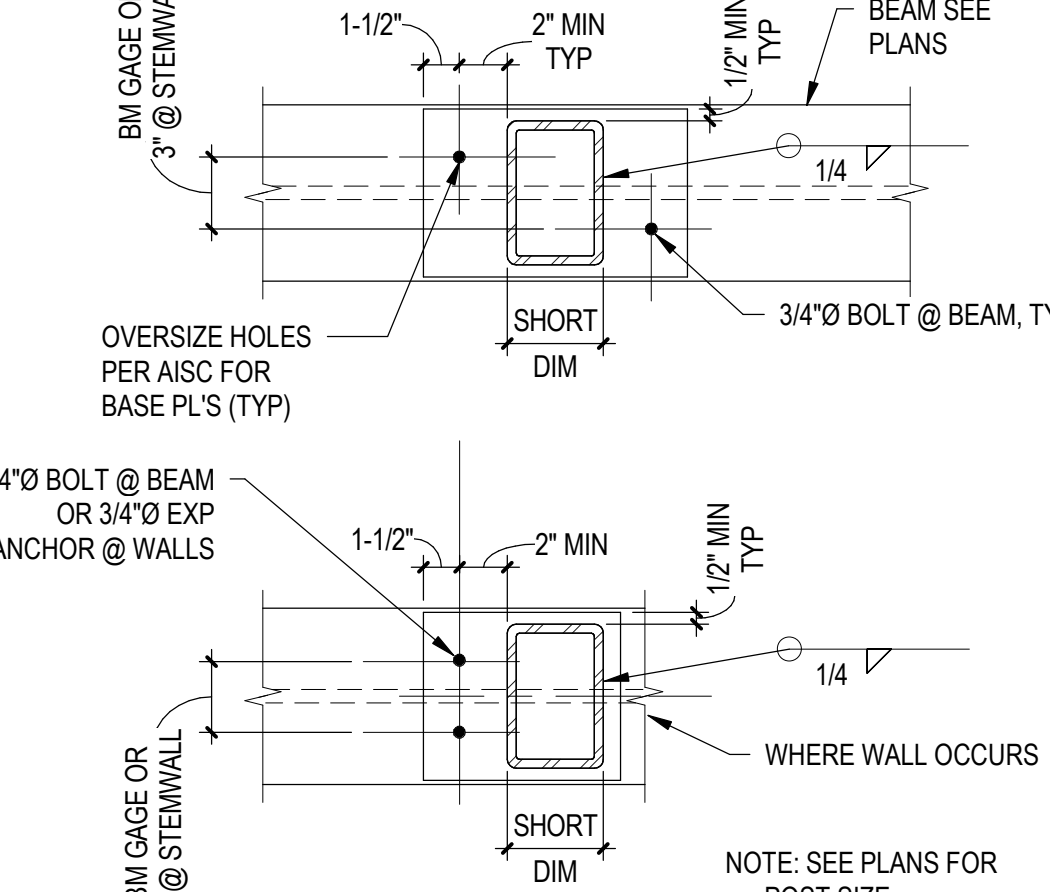
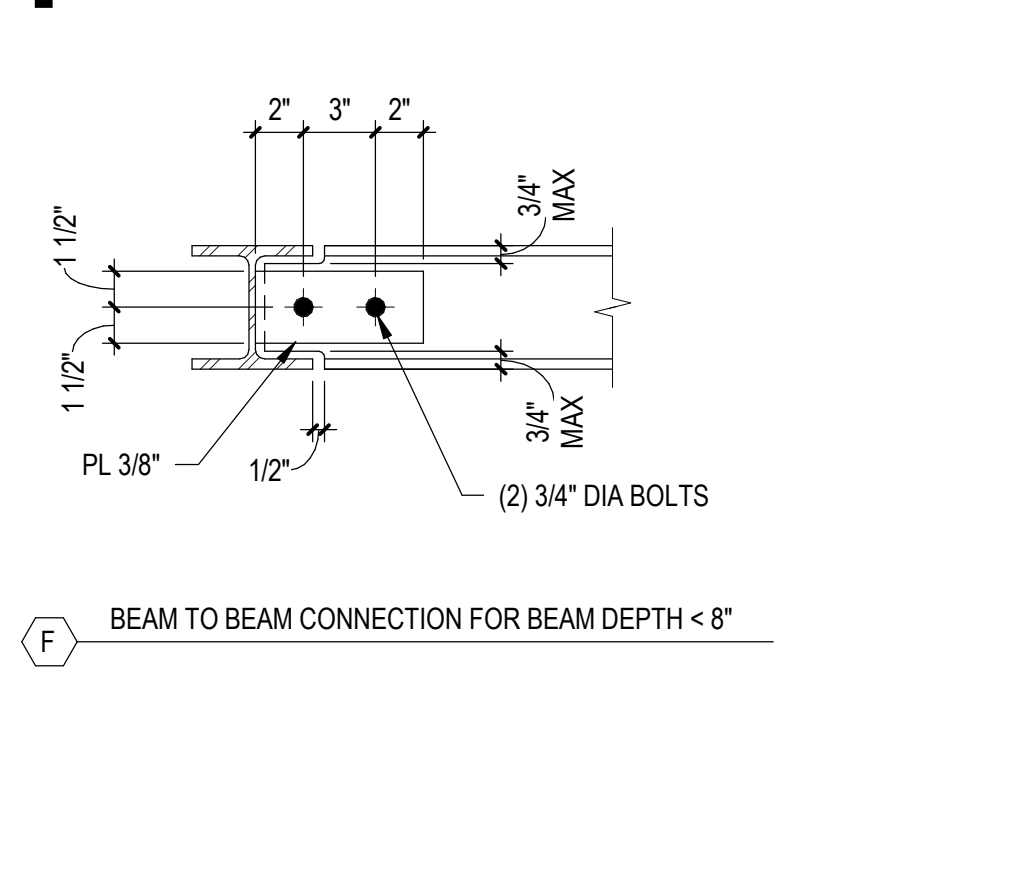
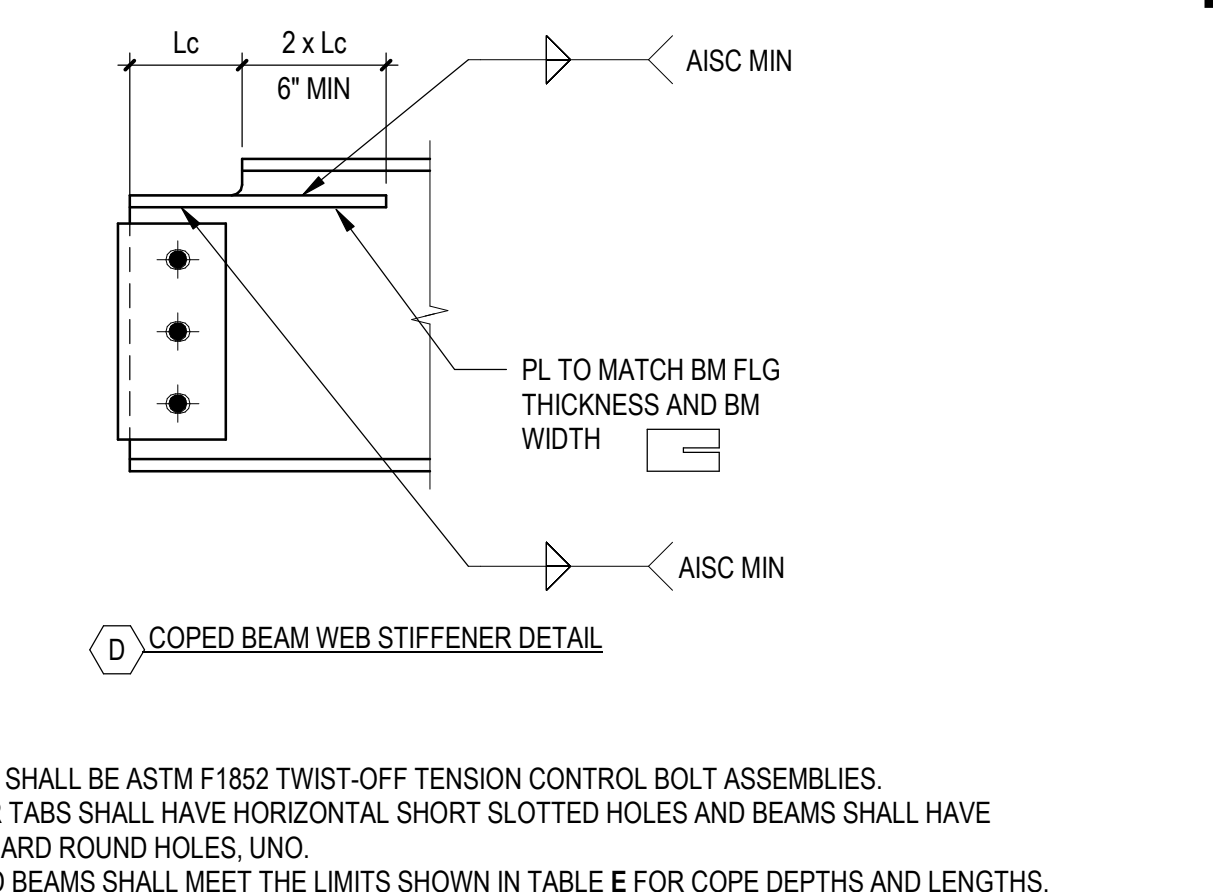
DECK PROPERTIES					FASTENING		
DECK TYPE	DEPTH	PAINT OR GALV	GAGE	SHEET WIDTH	ATTACHMENT PATTERN	@ SIDE LAP, UNO	@ EDGE, UNO
PLB ¹	1-1/2"	G ^{3,1}	18	36"	36/74 PW	IP @ 8", UNO	PW @ 6"

KEY:
PW = TYPICAL WELDS 5/8"Ø PUDDLE WELDS
IP = INTERLOCK PUNCH (BUTTON PUNCH/NOT ALLOWED)

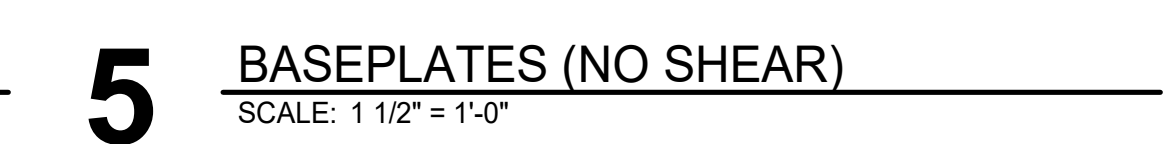
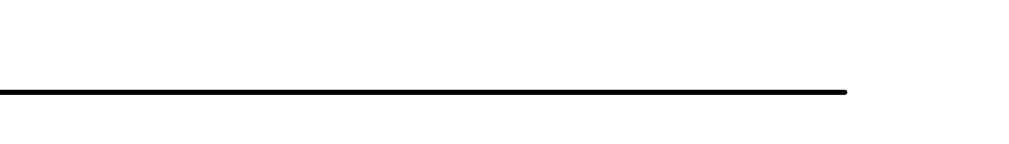
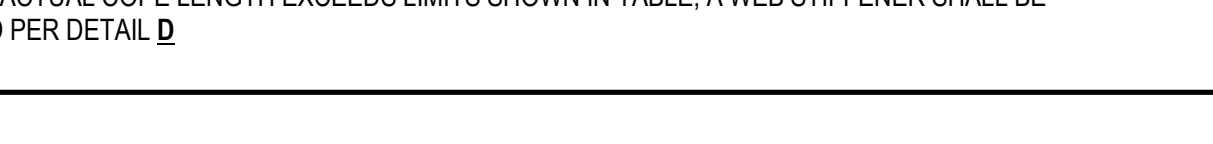
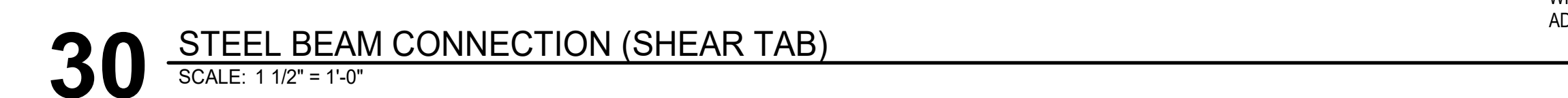
NOTES:
1 - SEE PLAN FOR EXTENTS OF ACQUISITION DECK (WHERE OCCURS)
2 - SEE ARCH WHERE DECK IS EXPOSED TO VIEW AND IT IS TO BE PAINTED
3 - AT EXTERIOR PERMANENTLY EXPOSED LOCATIONS, PROVIDE G90



MEMBER SIZE	WIDE FLANGE	MINIMUM NUMBER OF 3/4" Ø F1852 BOLTS	SHEAR TAB THICKNESS (A36) (in)	WELD SIZE (in)	MAX TOP COPE DEPTH (in)	MAX TOP COPE LENGTH ONLY (in)	TOP & BOT COPE (in)
C8-C9-C10 MC9-MC10	W8-W10	2	3/8"	1/4"	2	6	2.5
C12 MC12-MC13	W12-W14	3	3/8"	1/4"	2	6	3
C15 MC18	W16	4	3/8"	1/4"	2	7	4
	W18	5	3/8"	1/4"	3	9	5
	W21-W24	6	3/8"	1/4"	3	11	7
	W27	7	3/8"	1/4"	3	14	10
	W30	8	3/8"	1/4"	3	18	14
	W33	9	3/8"	1/4"	3	18	18
	W36-UP	10	3/8"	1/4"	3	18	18



COL TYPE	PL THICKNESS, UNO	'X' DIM
HSS4x4	3/4"	12"
HSS5x5	3/4"	14"
HSS6x6	3/4"	14"
PIPE4	3/4"	12"
PIPE6	3/4"	12"



117 SOUTH MAIN STREET, SUITE 105, SEATTLE, WA 98104
TELEPHONE: (206) 686-2137 FAX: (206) 686-2138

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
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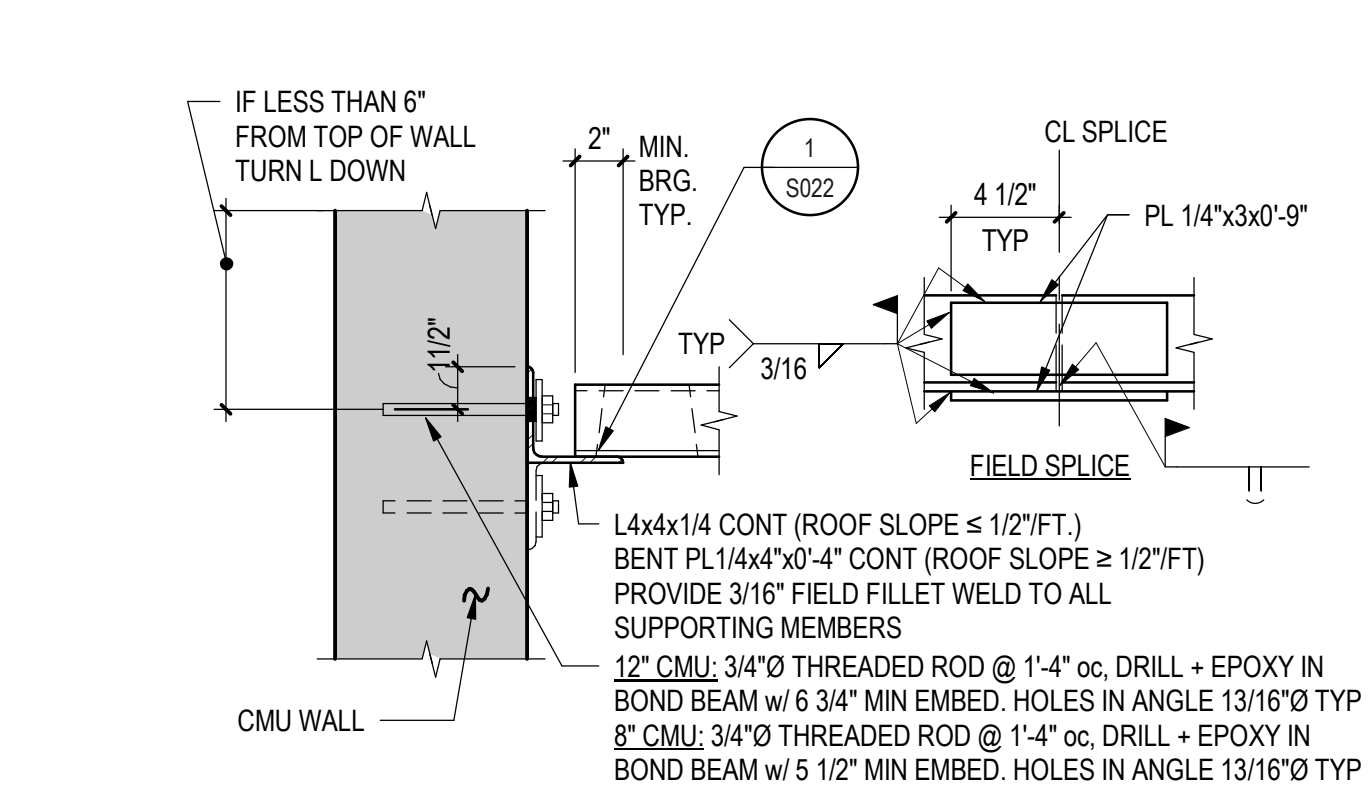
Date: 05/28/2021
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Revisions	
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TYPICAL STEEL DETAILS

S022

BID SET

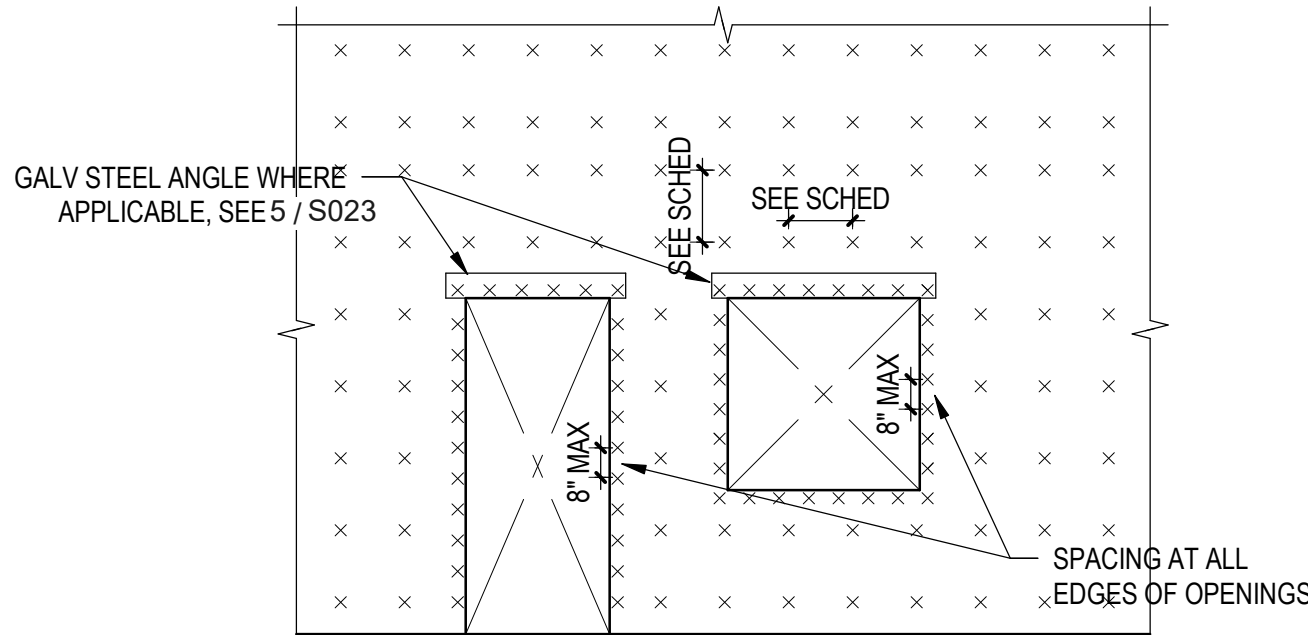


1 PERIMETER DECK ANGLE
AT CMU WALL

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

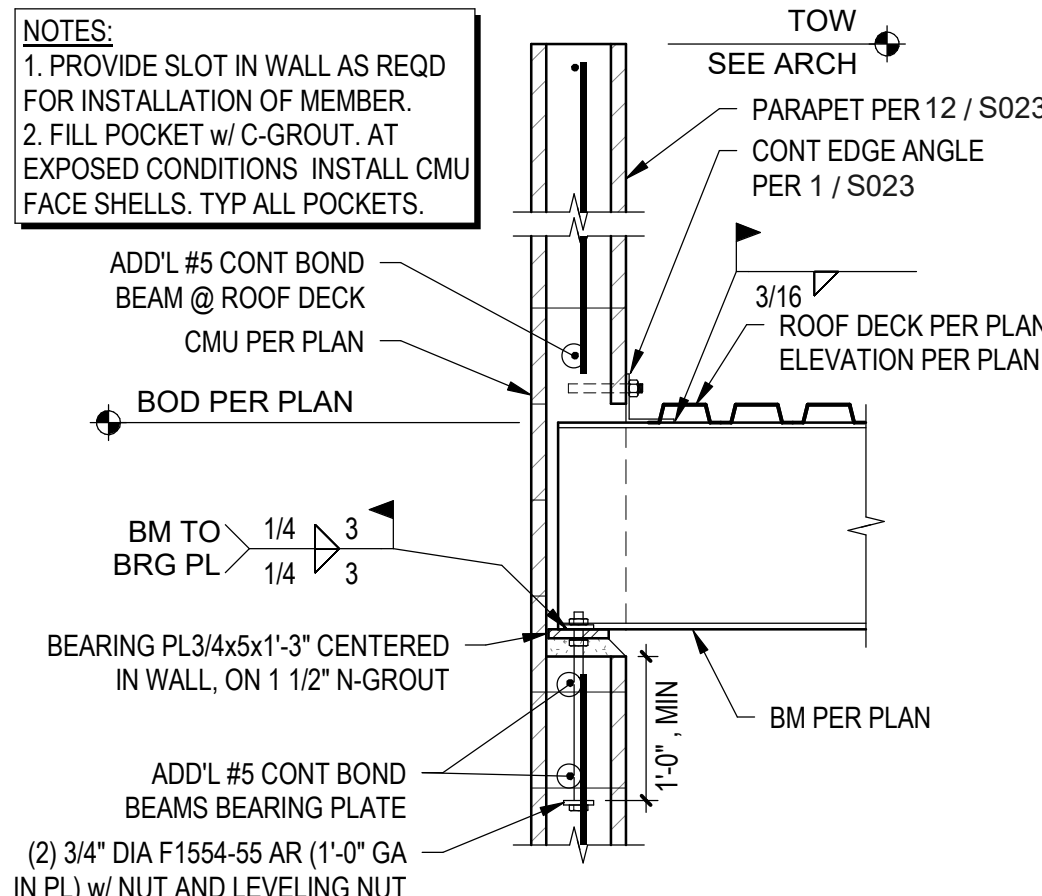
VENEER TIE SPACING SCHEDULE		
SUBSTRATE	HORIZONTAL SPACING	VERTICAL SPACING
MASONRY/CONCRETE	16"	16"
METAL STUD	16"	16"

*VENEER TIE MUST BE ATTACHED DIRECTLY TO METAL STUDS OR BLOCKING



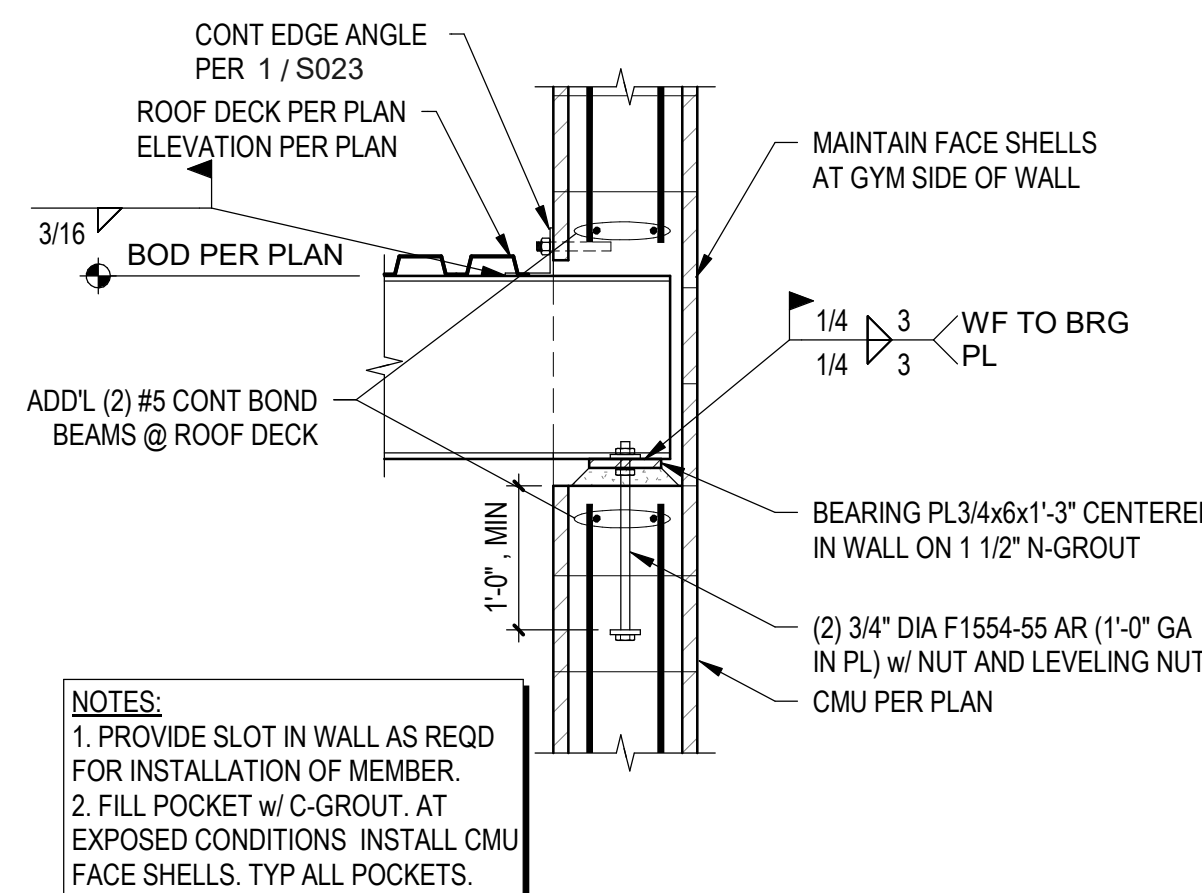
2 MASONRY VENEER TIES

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



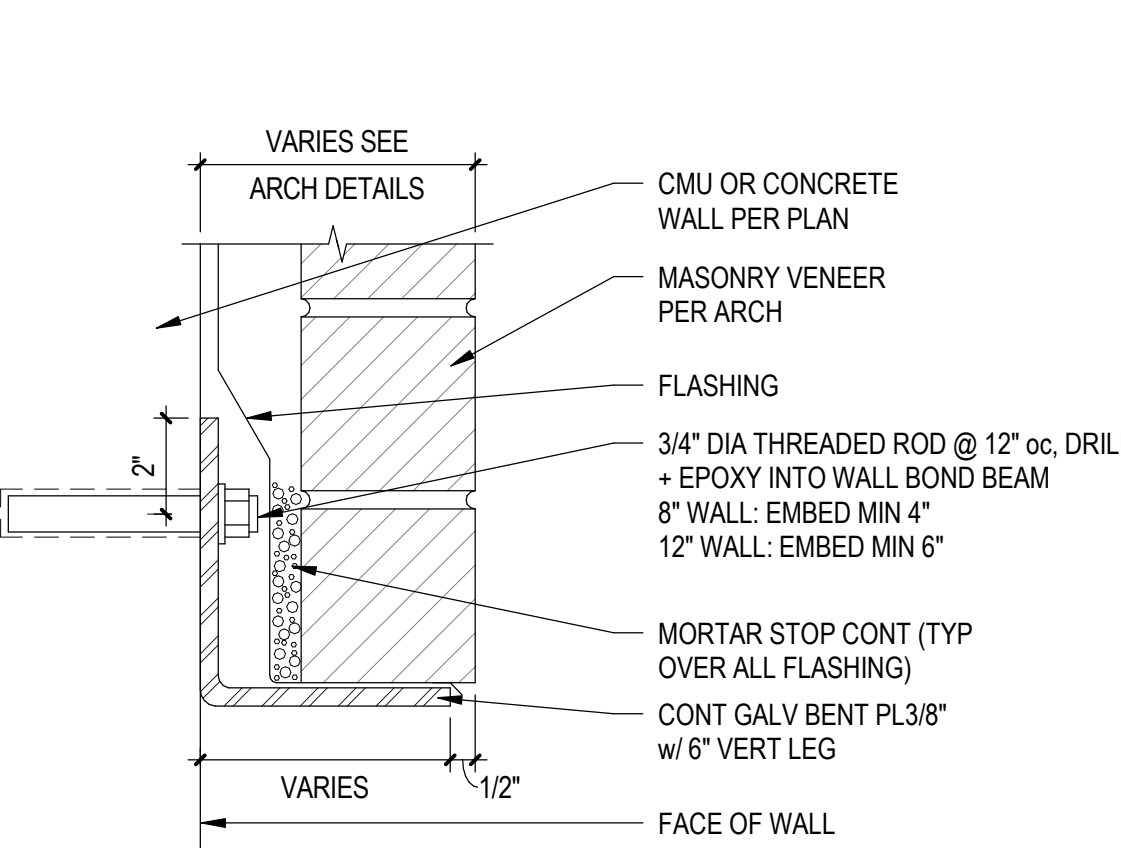
3 STL BM TO CMU CONN

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



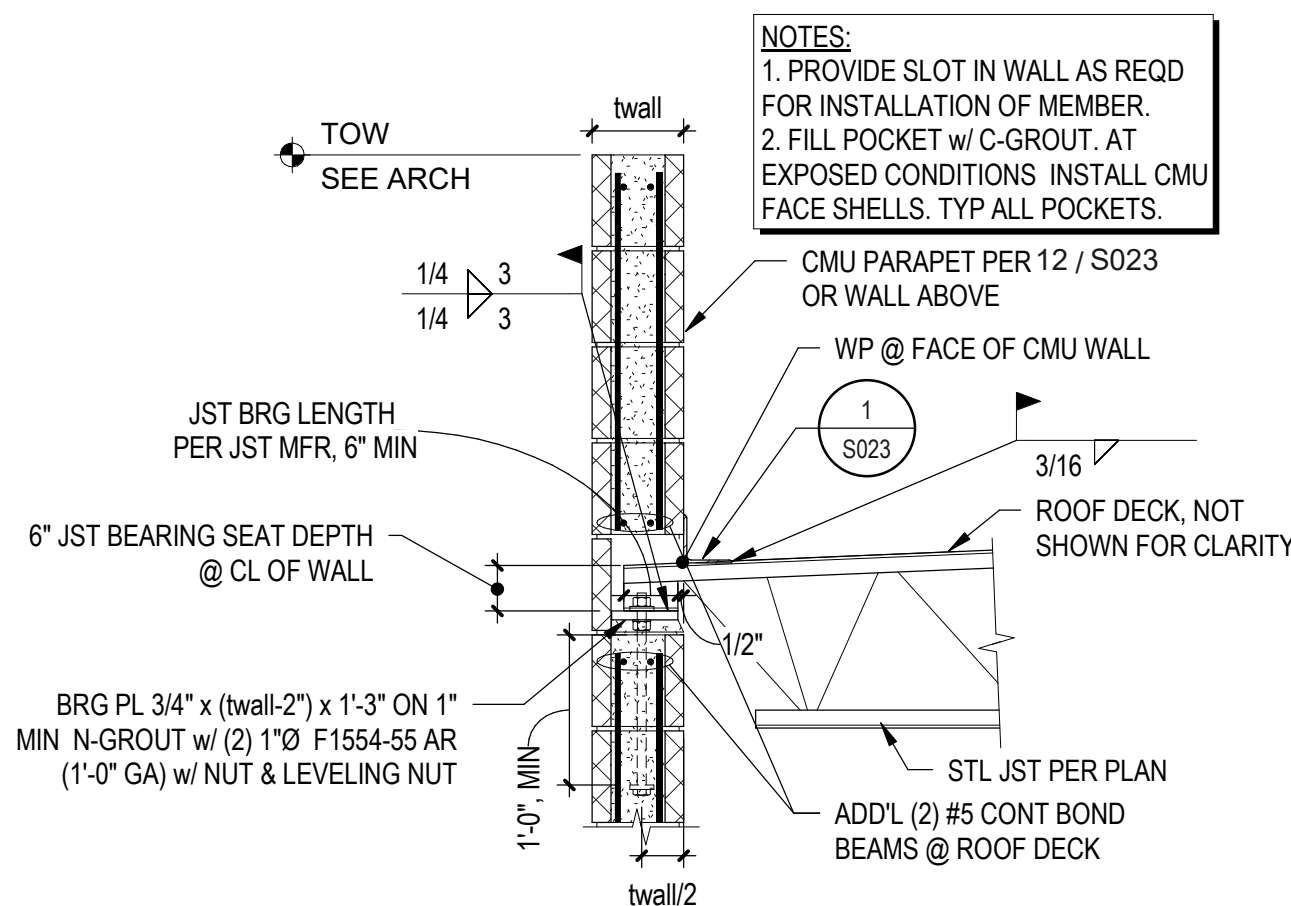
4 STL BM TO CMU CONN

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



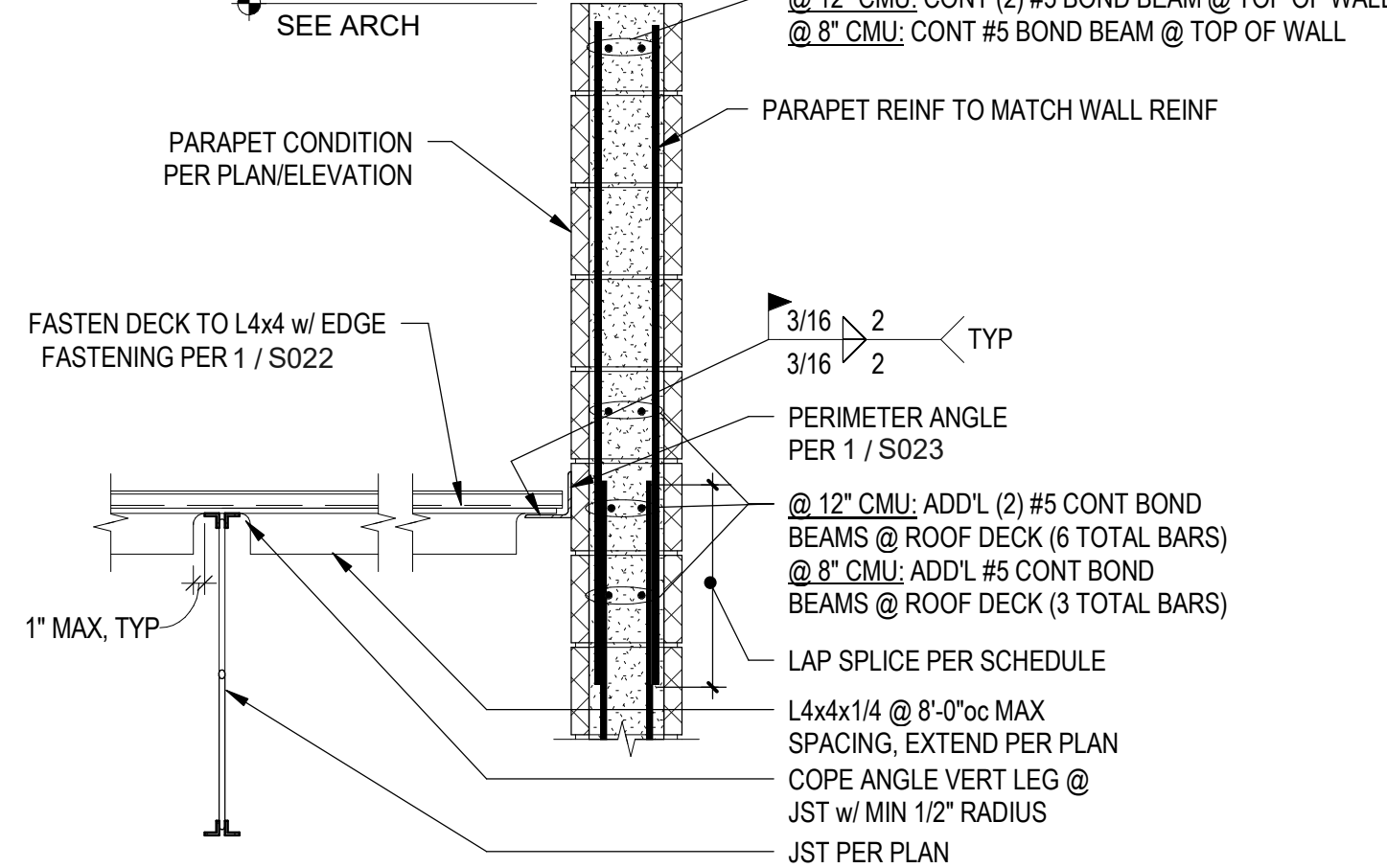
5 MASONRY VENEER LINTEL

SCALE: 3" = 1'-0"



11 JOIST BRG AT CMU WALL

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



12 METAL DECK AT CMU PARAPET

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

LABEL	WALL THICKNESS	OPENING WIDTH (1)	LINTEL DEPTH (2)	JAMB SIZE (3)	LINTEL HORIZ BARS (4)	STIRRUPS (5)	JAMB BARS (6)
L816	8"	4'-0" MAX	1'-4"	8" x 16"	#5 T & B	#4 @ 8" ALT HOOKS	(2) #5
L824	8"	SEE ARCH AND MECH	2'-0"	8" x 16"	#5 T & B	#4 @ 8" ALT HOOKS	(2) #5
L1216	12"	4'-0" MAX	1'-4"	12" x 16"	(2) #5 T & B	#4 @ 8" ALT HOOKS	(4) #5*
L1216-1	12"	SEE ARCH AND MECH	1'-4"	12" x 40"	(2) #6 T & B	#4 @ 8" ALT HOOKS	(10) #5*
L1232	12"	SEE ARCH AND MECH	2'-8"	12" x 32"	(2) #6 @ 8" oc T & B (8 TOTAL)	#5 @ 8" ALT HOOKS	(8) #5*
L1240	12"	SEE ARCH AND MECH	3'-4"	12" x 40"	(2) #7 T & B	(2) #4 @ 8"	(10) #5*
L1256	12"	SEE ARCH AND MECH	4'-8"	12" x 56"	(2) #7 @ 8" oc T & B (8 TOTAL)	(2) #5 @ 8"	(14) #5*

A CMU LINTEL BEAM SCHEDULE

NOTES:
1. JAMB BARS SHALL BE FULL HEIGHT OF WALL.
2. USE THIS TABLE WHEN LINTEL IS NOT SHOWN ON WALL ELEVATIONS

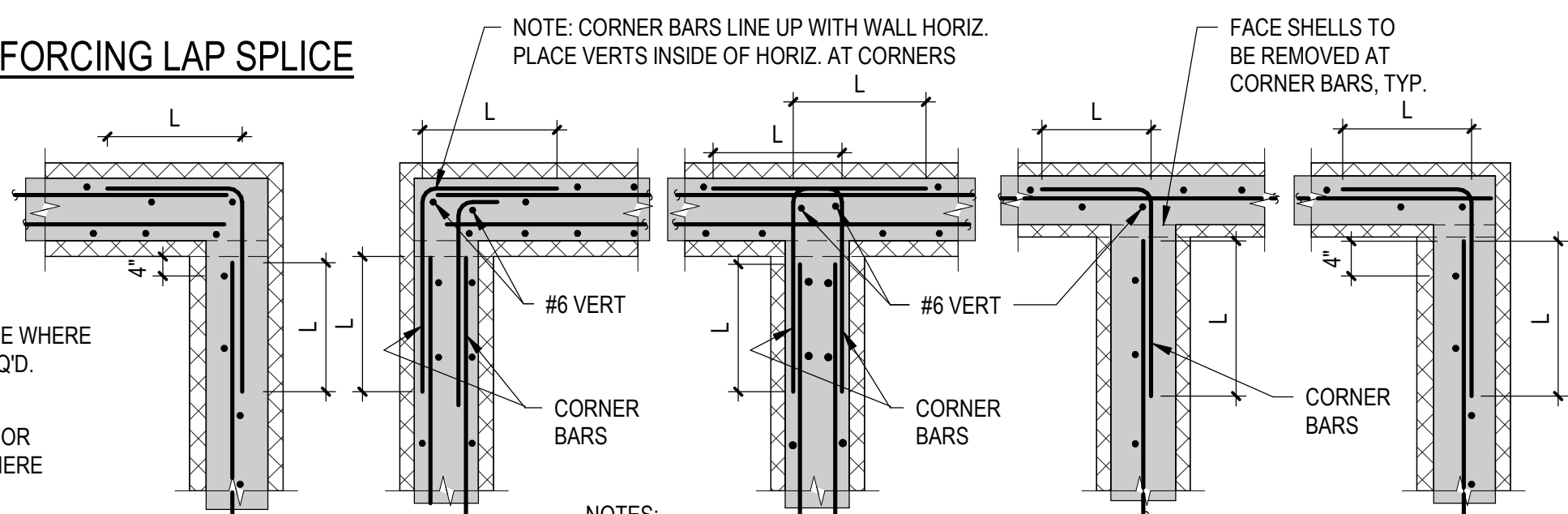
* (2) BARS PER CELL

B MINIMUM WALL REINFORCING

WALL THICKNESS	VERTICAL REINF	HORIZ REINF
12"	#5 @ 32" EF. UNO	#5 @ 32" EF. UNO
8"	#5 @ 24" @ CL. UNO	#5 @ 32" @ CL. UNO

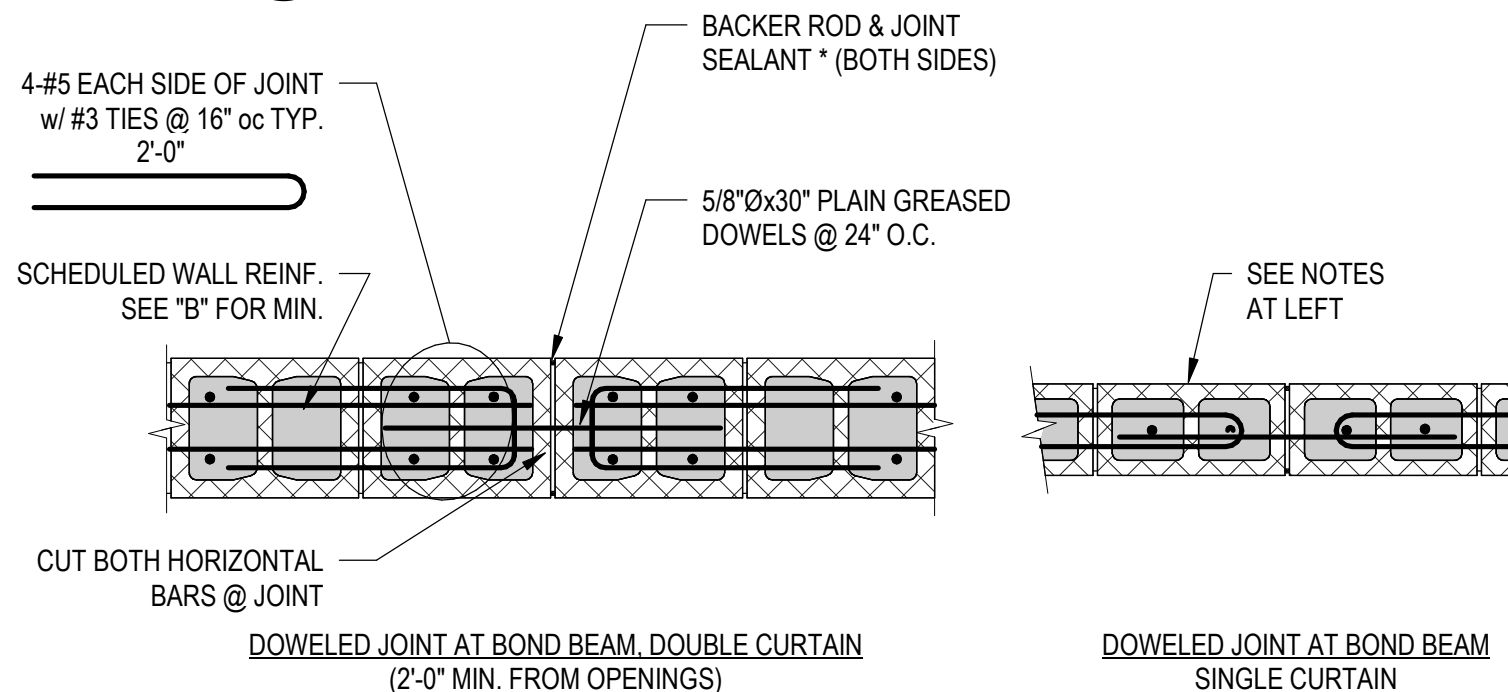
NOTE:
USE THIS TABLE WHEN REINFORCING NOT SHOWN ON PLANS OR ELEVATIONS
ALL ANCHORS & REINFORCING TO BE IN SOLID GROUT CELLS.

C REINFORCING LAP SPICE



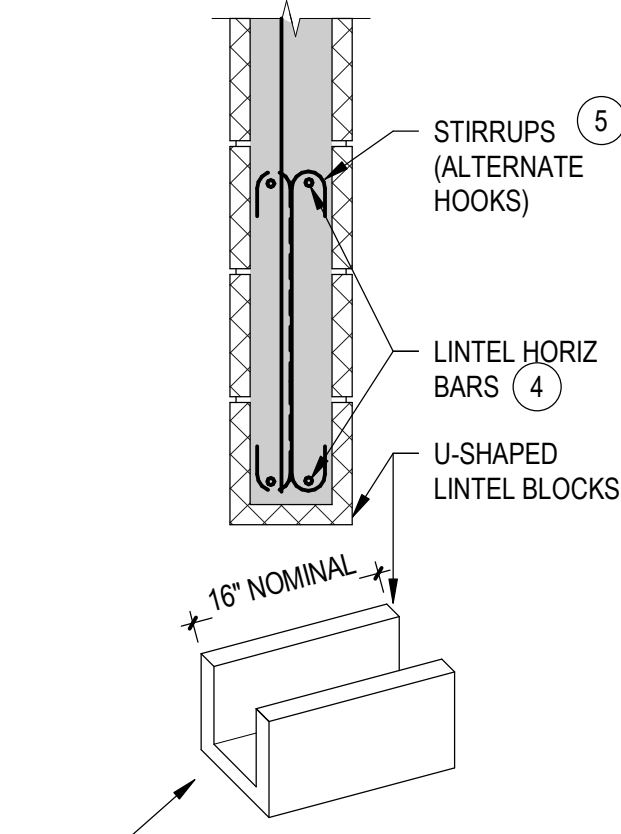
NOTES:
1. FOR LAP SPICES (L) SEE "C"
2. CORNER BARS SAME SIZE AS HORIZ. REINF.
3. FOR CORNER BARS INTERRUPTED BY OPENINGS, HOOK AROUND OPENING VERTS, W/180° HOOK
4. HORIZONTAL BARS MUST HOOK AROUND VERTICAL CORNER OR INTERSECTING WALL REINFORCING
5. CORNERS TO BE RUNNING BOND, IF STACK BOND EVERY OTHER FACE SHELL TO BE REMOVED TO ACT AS KEYWAY.

E WALL CORNERS & INTERSECTIONS



F CMU WALL CONTROL JOINTS

AS NOTED IN PLAN OR ELEVATION



A CMU LINTEL BEAM SCHEDULE

NOTES:
1. JAMB BARS SHALL BE FULL HEIGHT OF WALL.
2. USE THIS TABLE WHEN LINTEL IS NOT SHOWN ON WALL ELEVATIONS

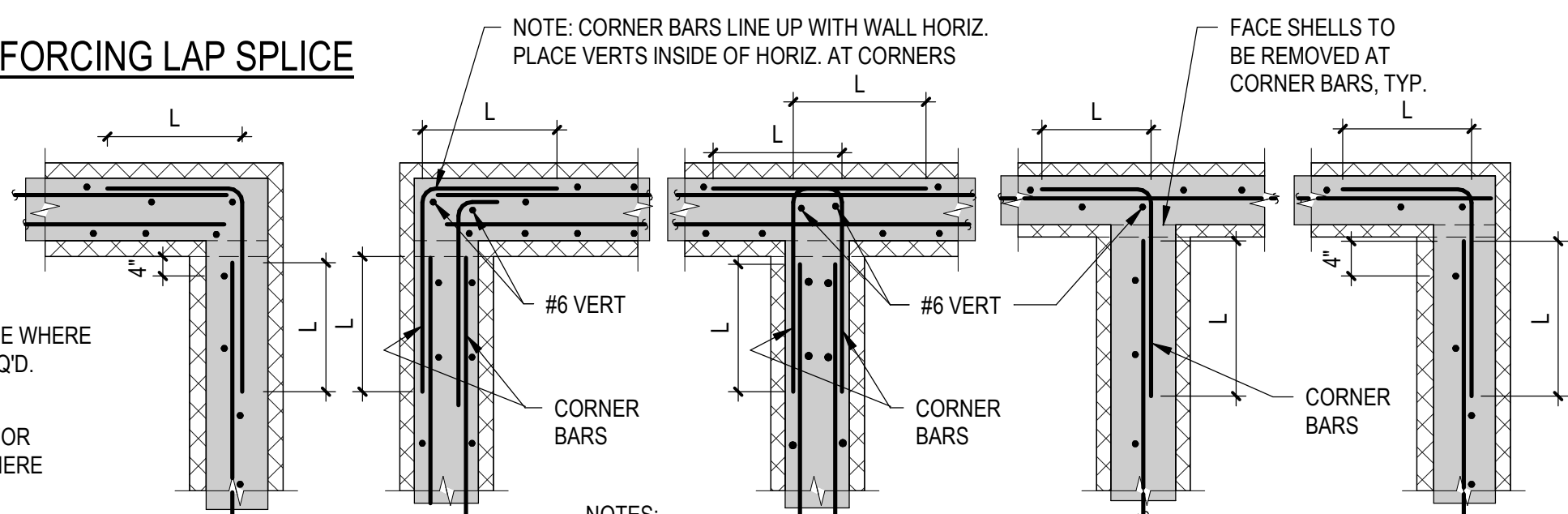
* (2) BARS PER CELL

B MINIMUM WALL REINFORCING

WALL THICKNESS	VERTICAL REINF	HORIZ REINF
12"	#5 @ 32" EF. UNO	#5 @ 32" EF. UNO
8"	#5 @ 24" @ CL. UNO	#5 @ 32" @ CL. UNO

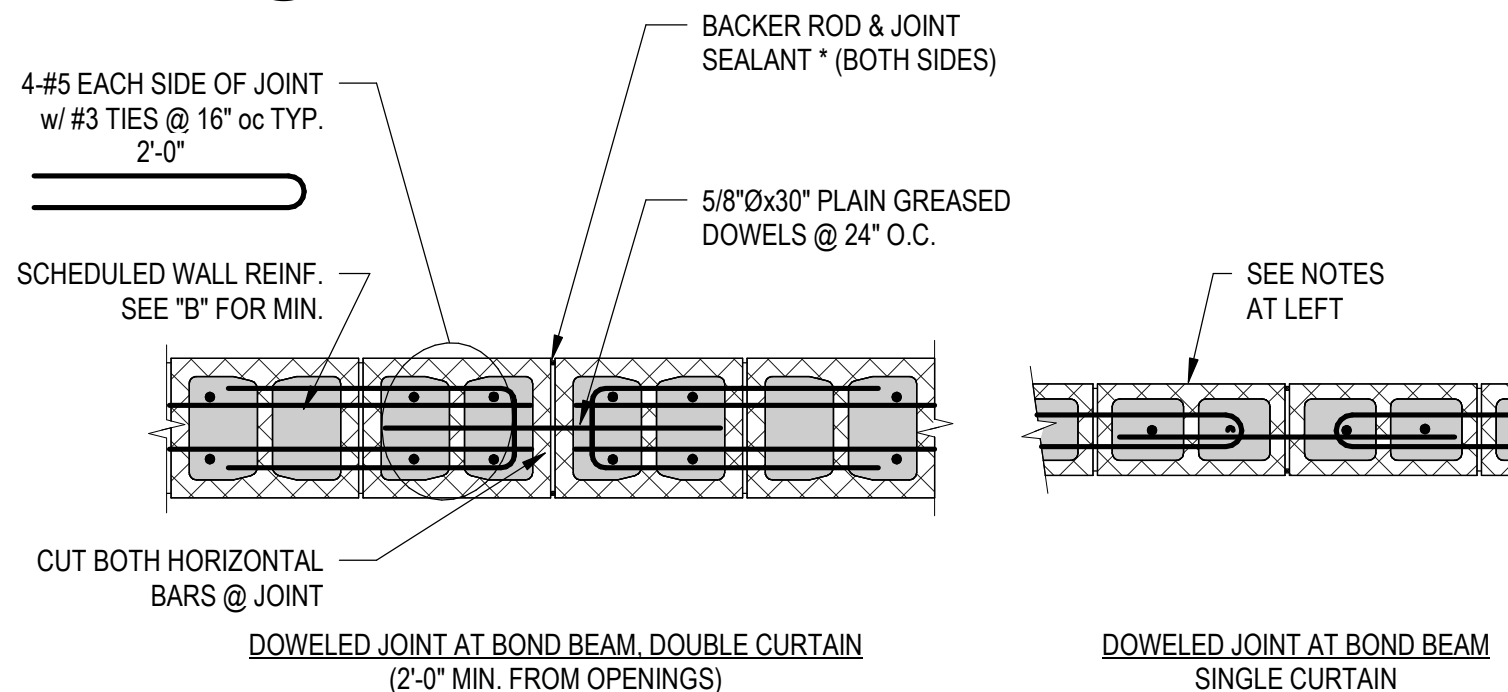
NOTE:
USE THIS TABLE WHEN REINFORCING NOT SHOWN ON PLANS OR ELEVATIONS
ALL ANCHORS & REINFORCING TO BE IN SOLID GROUT CELLS.

C REINFORCING LAP SPICE



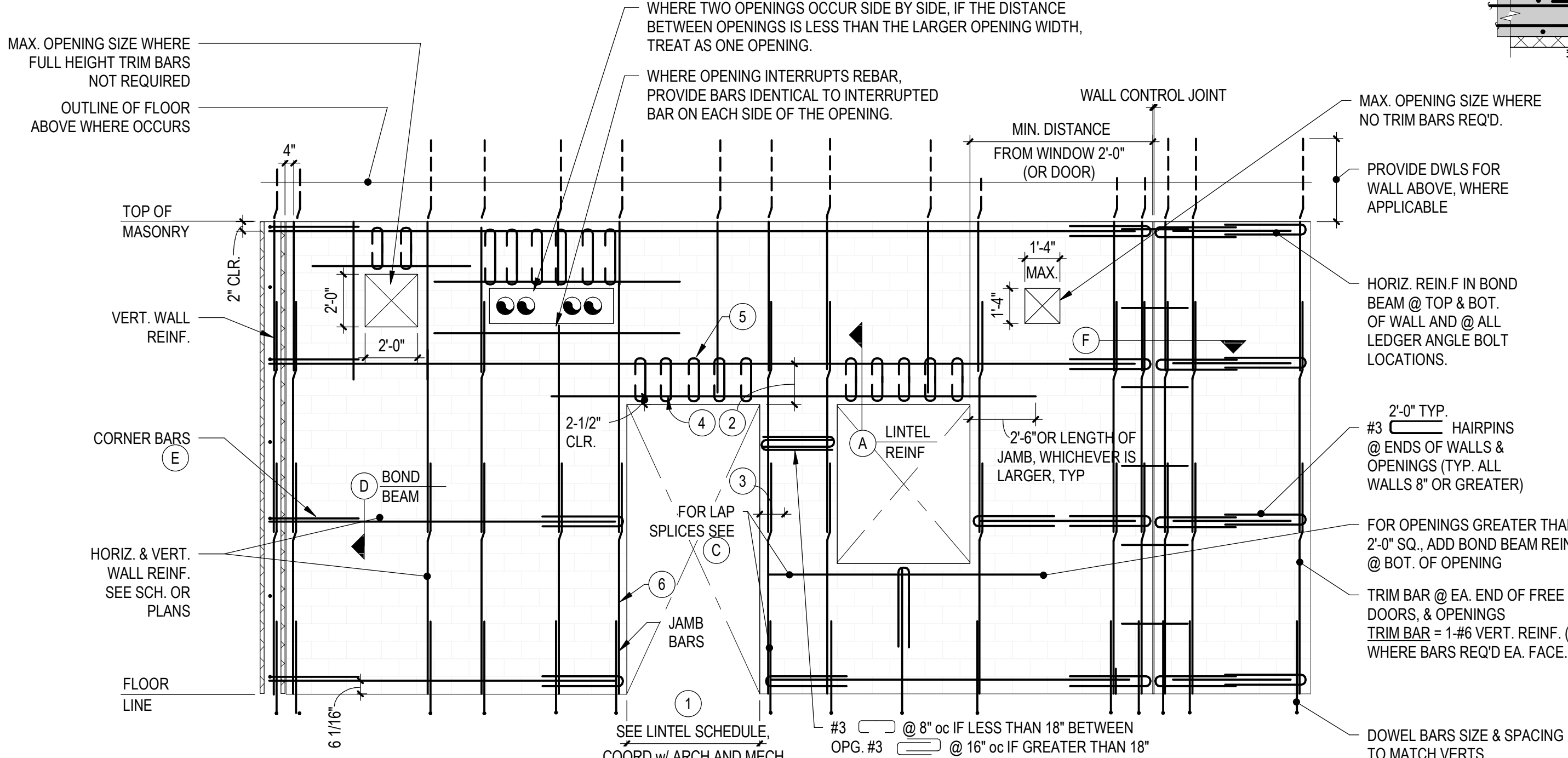
NOTES:
1. FOR LAP SPICES (L) SEE "C"
2. CORNER BARS SAME SIZE AS HORIZ. REINF.
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E WALL CORNERS & INTERSECTIONS



F CMU WALL CONTROL JOINTS

AS NOTED IN PLAN OR ELEVATION

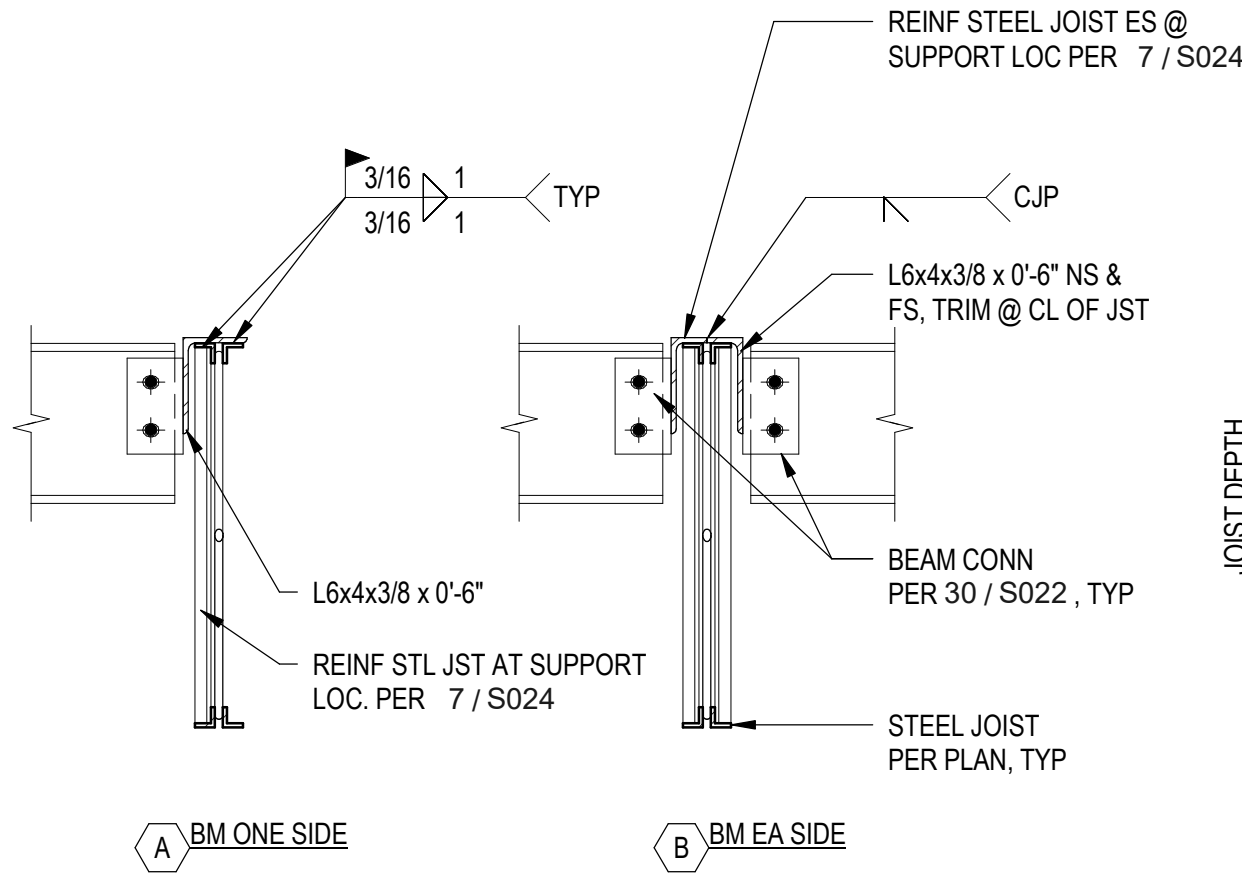


30 CMU WALL REINFORCING PLACEMENT GUIDE

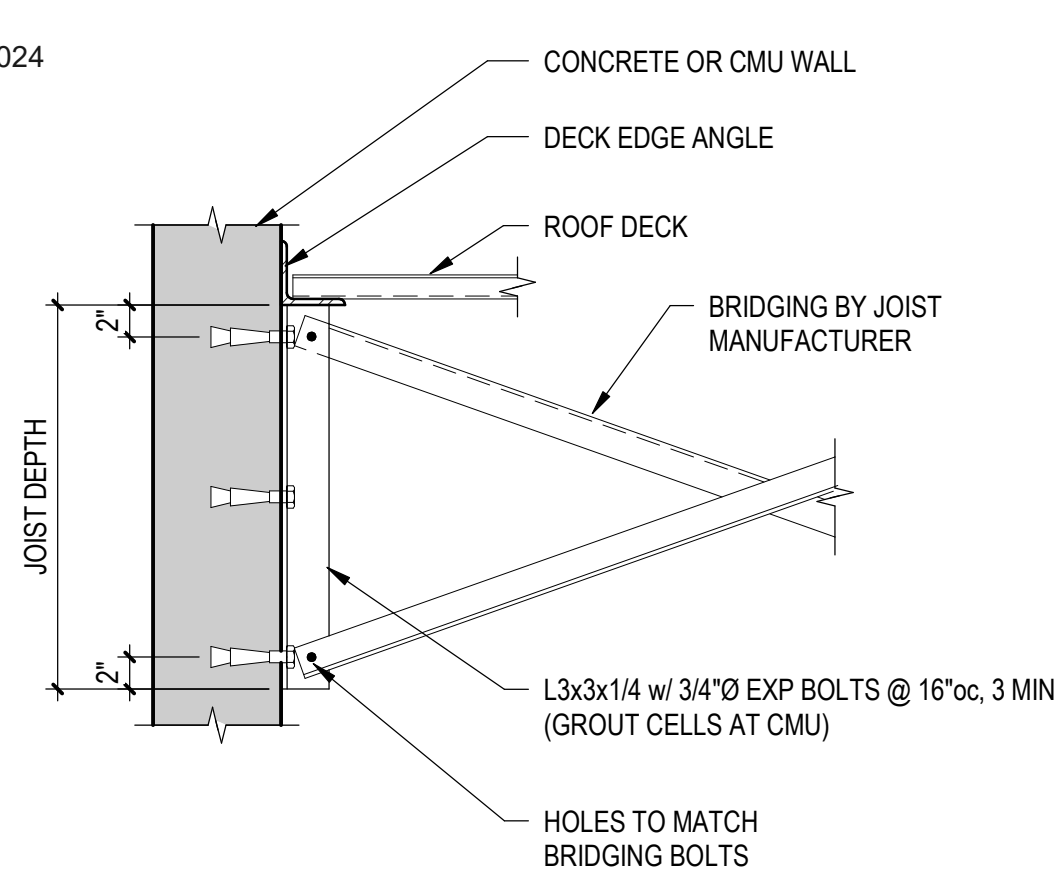
SCALE: 1/4" = 1'-0"

NOTES

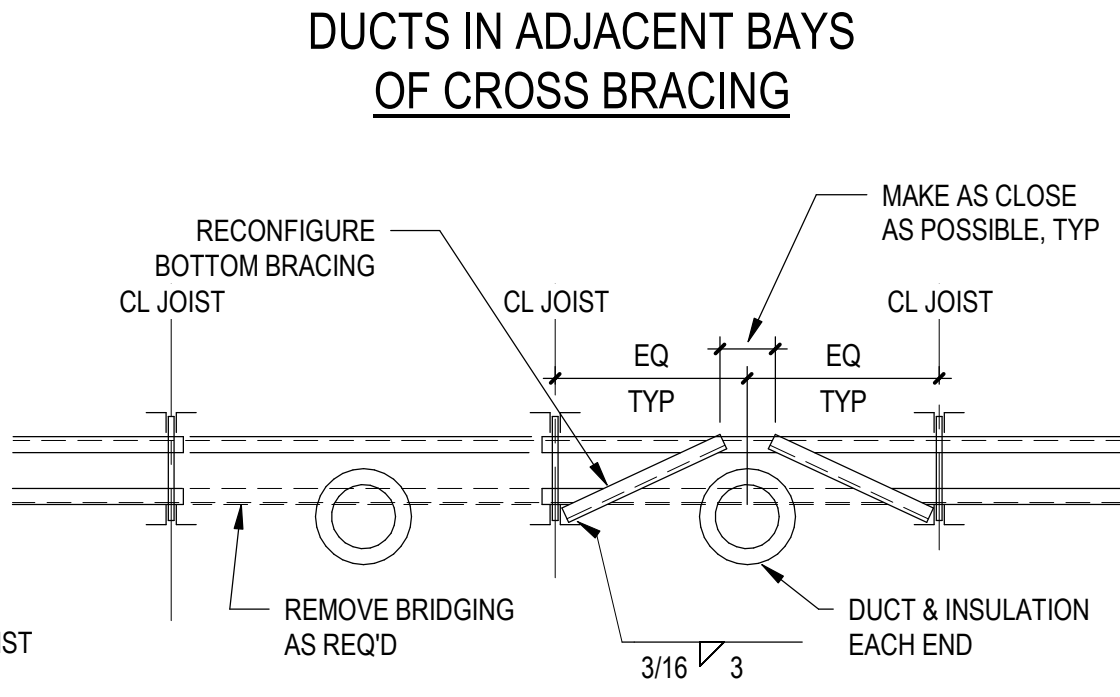
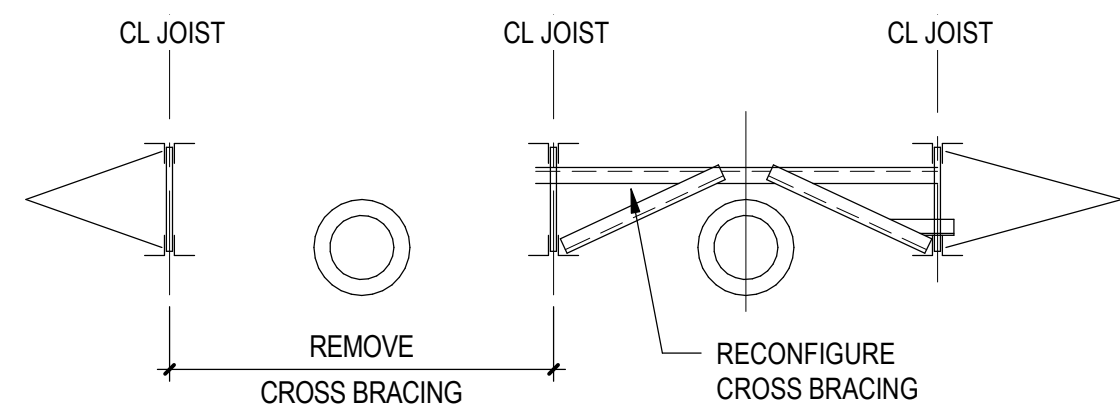
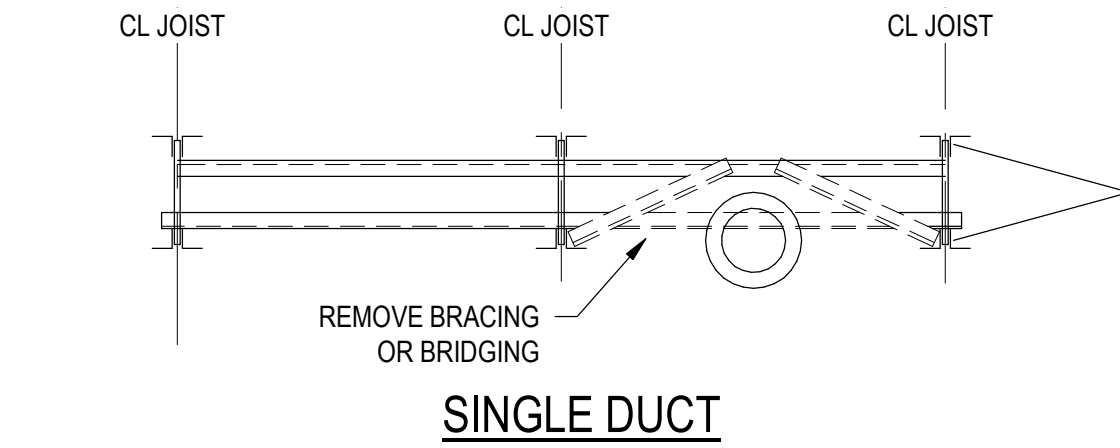
- FOR REINF. OF WALLS NOT MARKED ON PLANS, SEE TABLE B
- BOTTOM BOND BEAMS TO HAVE METAL LATH, OR MONOFILAMENT NYLON SCREEN.
- BOND BEAM BLOCKS TO HAVE KNOCKOUT WEBS, LINTEL BLOCKS TO BE CHANNEL "U" BLOCKS.
- WHEN CMU STARTS BELOW FIN. FLR., EXTEND FOOTING DWLS ACCORDINGLY TO MAINTAIN REQ'D LAP LENGTH.
- CORE DRILLING IS NOT ALLOWED, PROVIDE BLOCKOUTS FOR ALL OPENINGS.



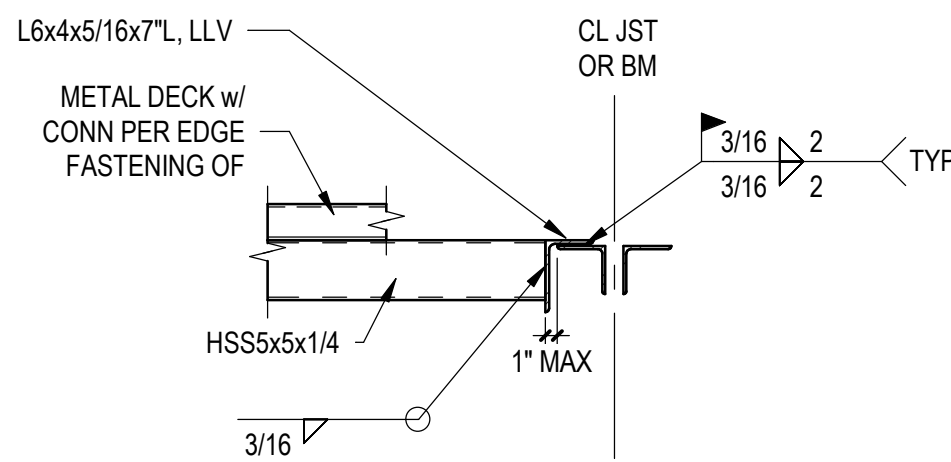
11 BEAM TO JOIST
SCALE: 1" = 1'-0"



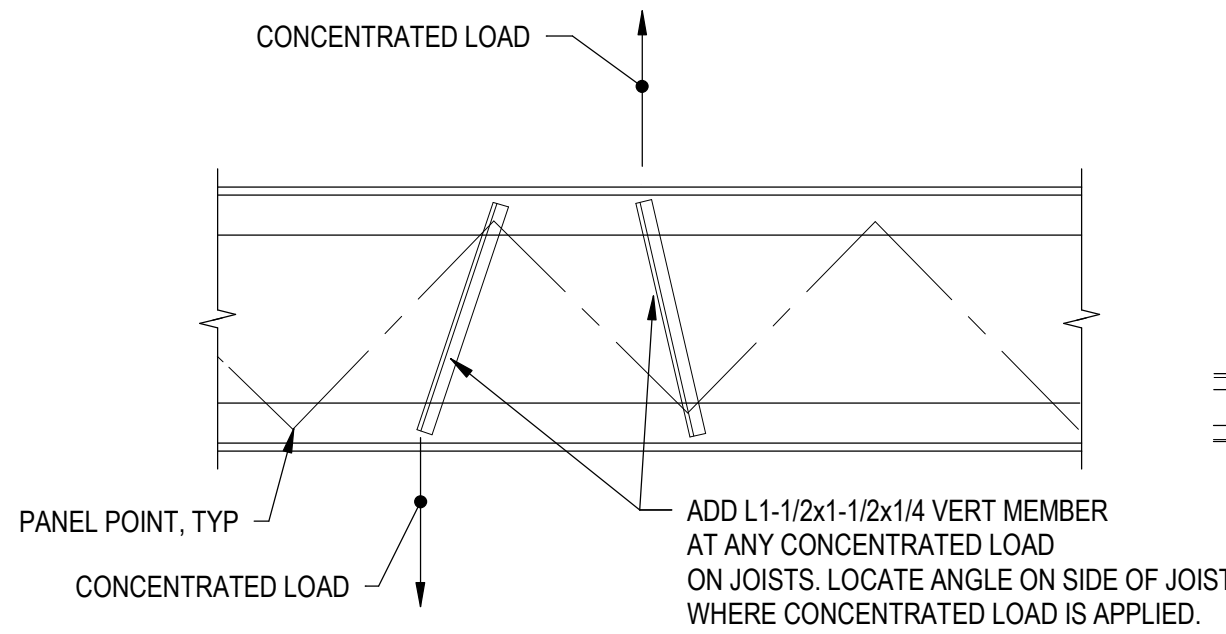
6 BRIDGING AT CONC OR CMU WALL
SCALE: 1" = 1'-0"



5 DUCTS IN ADJACENT BAYS OF HORIZONTAL BRIDGING
SCALE: 1/2" = 1'-0"



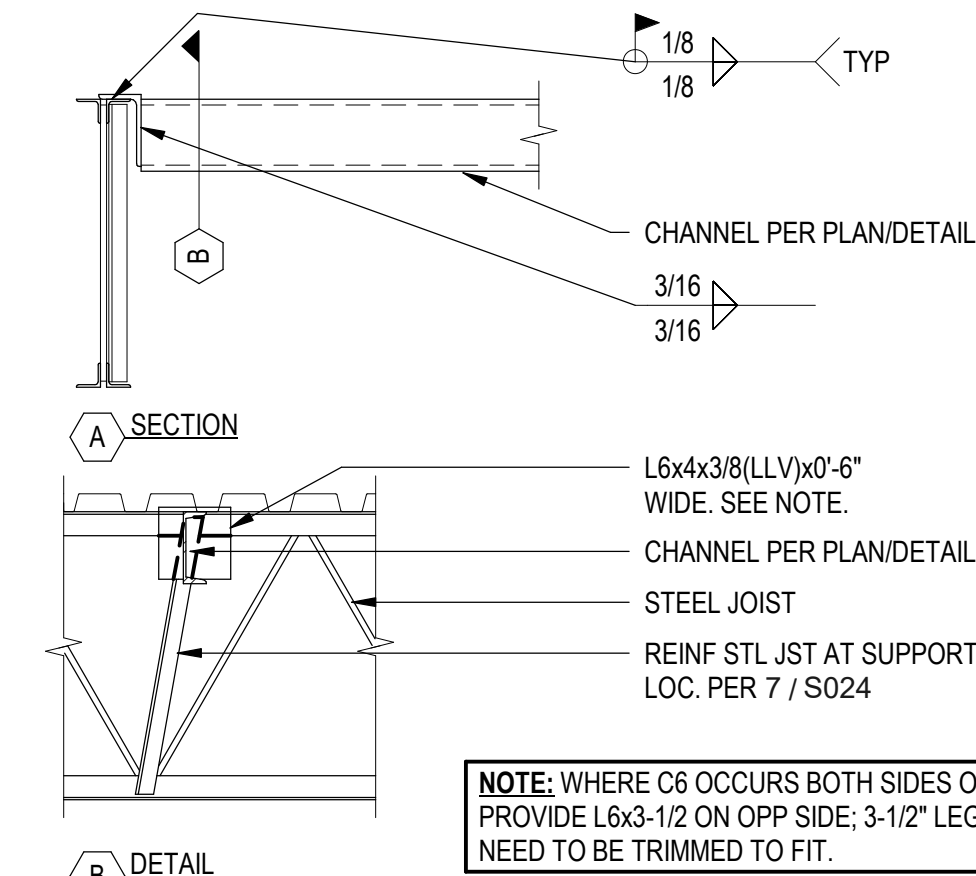
12 HSS BRG AT BEAM OR JOIST
SCALE: 3/4" = 1'-0"



NOTE: IF PANEL POINTS OF FACTORY INSTALLED MEMBERS ARE MORE THAN 3" FROM LOAD, GENERAL CONTRACTOR TO FIELD INSTALL ADDED WEB MEMBERS.

7 JOIST CONCENTRATED LOAD
SCALE: 1" = 1'-0"

2 BRIDGING AT HVAC DUCT
SCALE: 1/2" = 1'-0"



3 CHANNEL TO JOIST
SCALE: 3/4" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458
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integrus
ARCHITECTURE

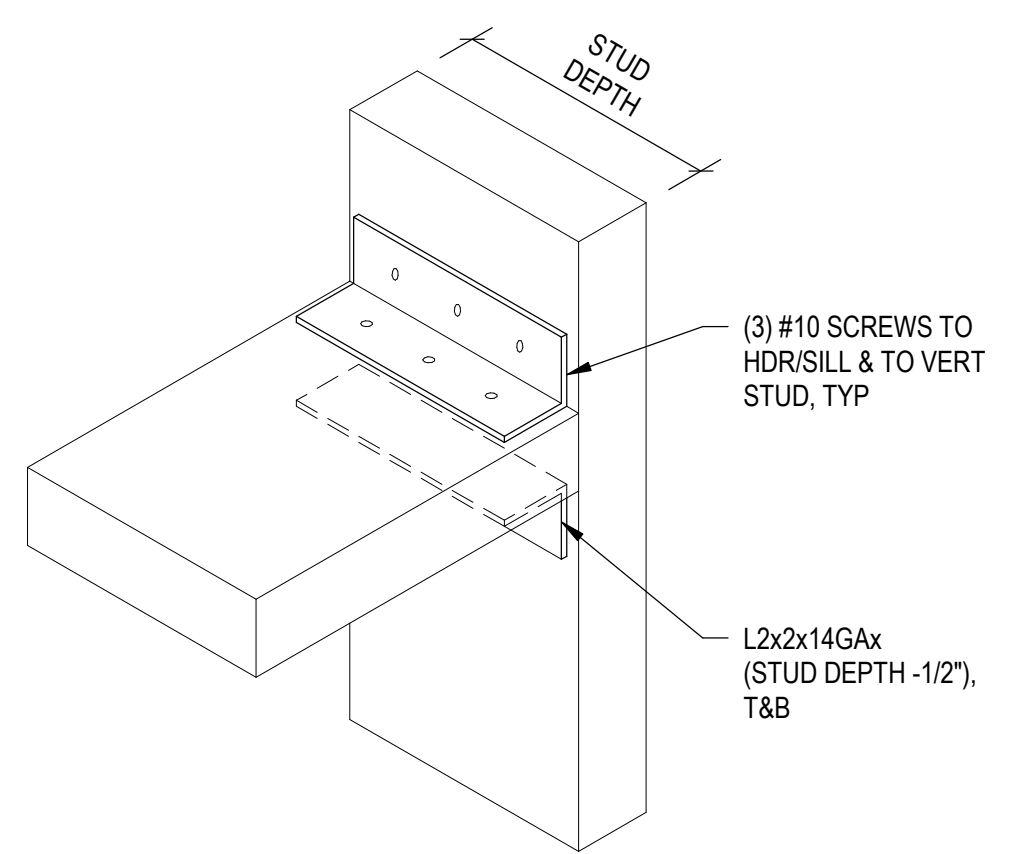


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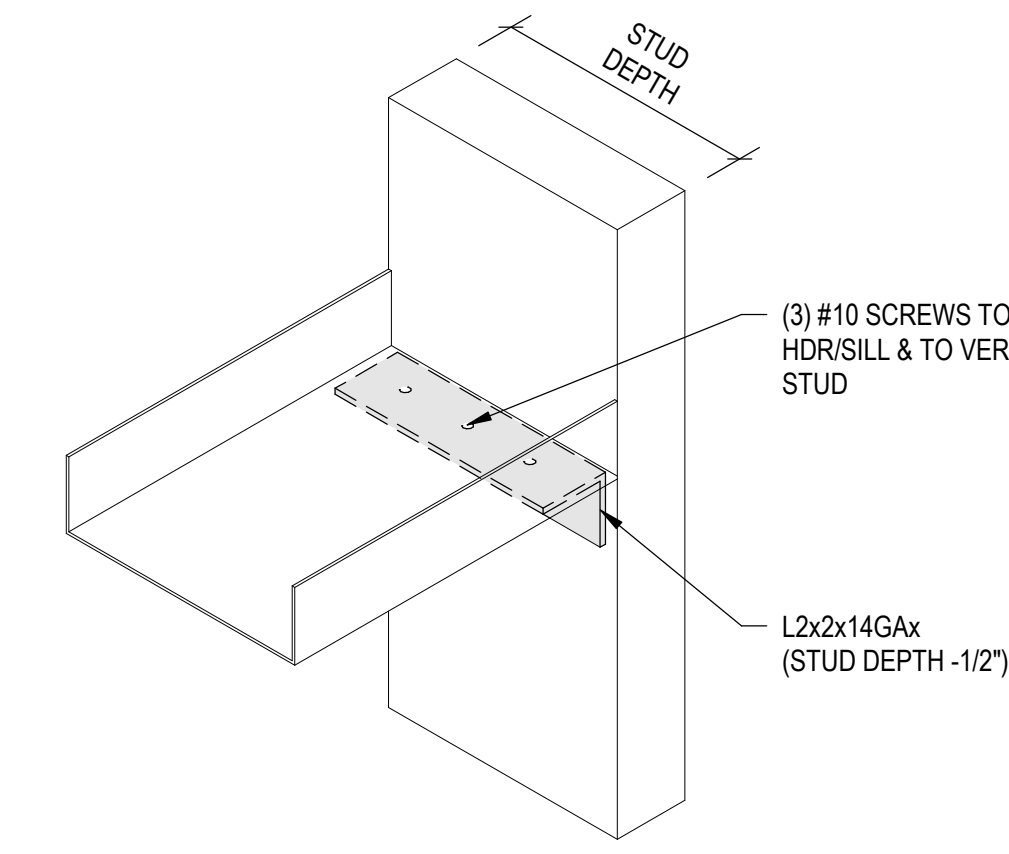
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TYPICAL STEEL
JOIST DETAILS

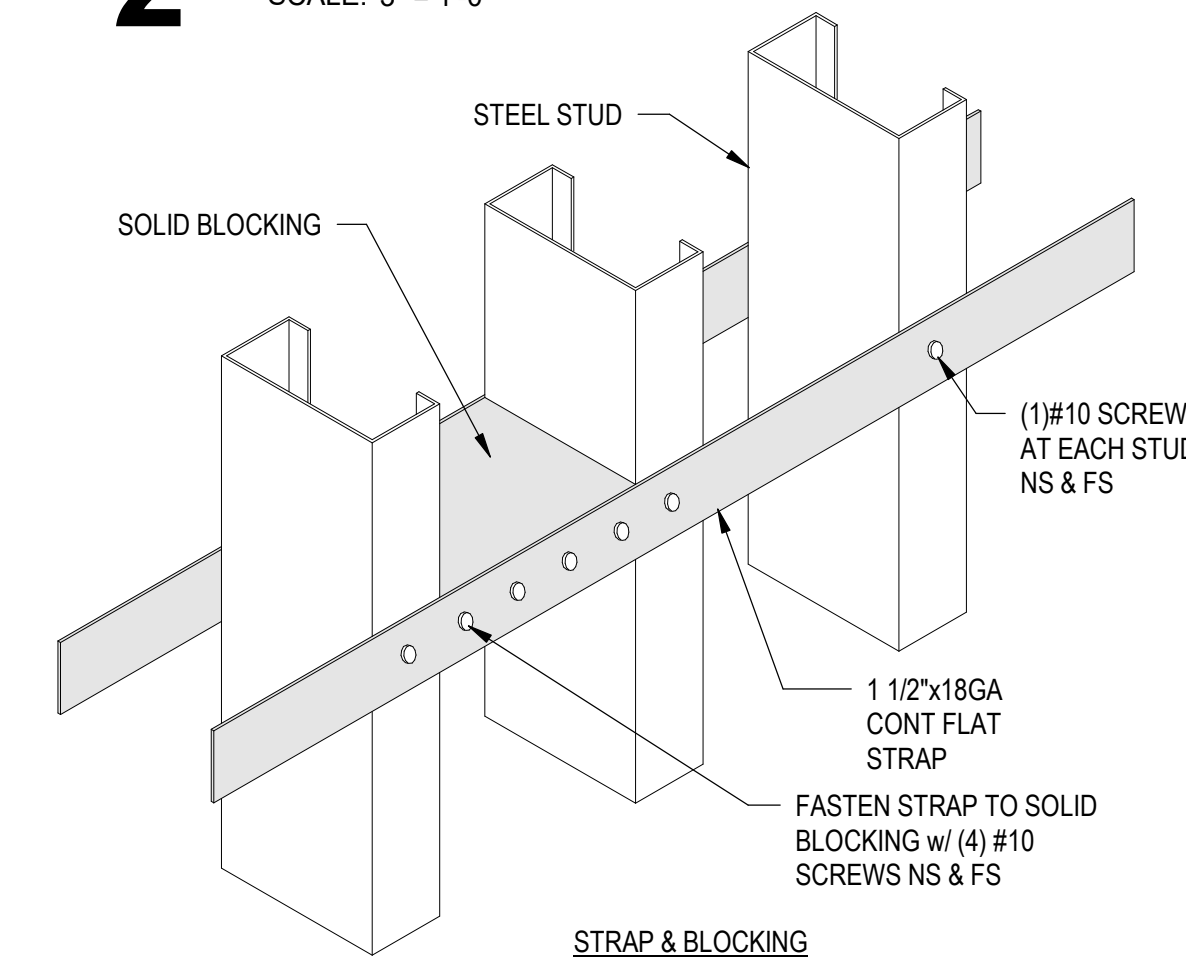
S024



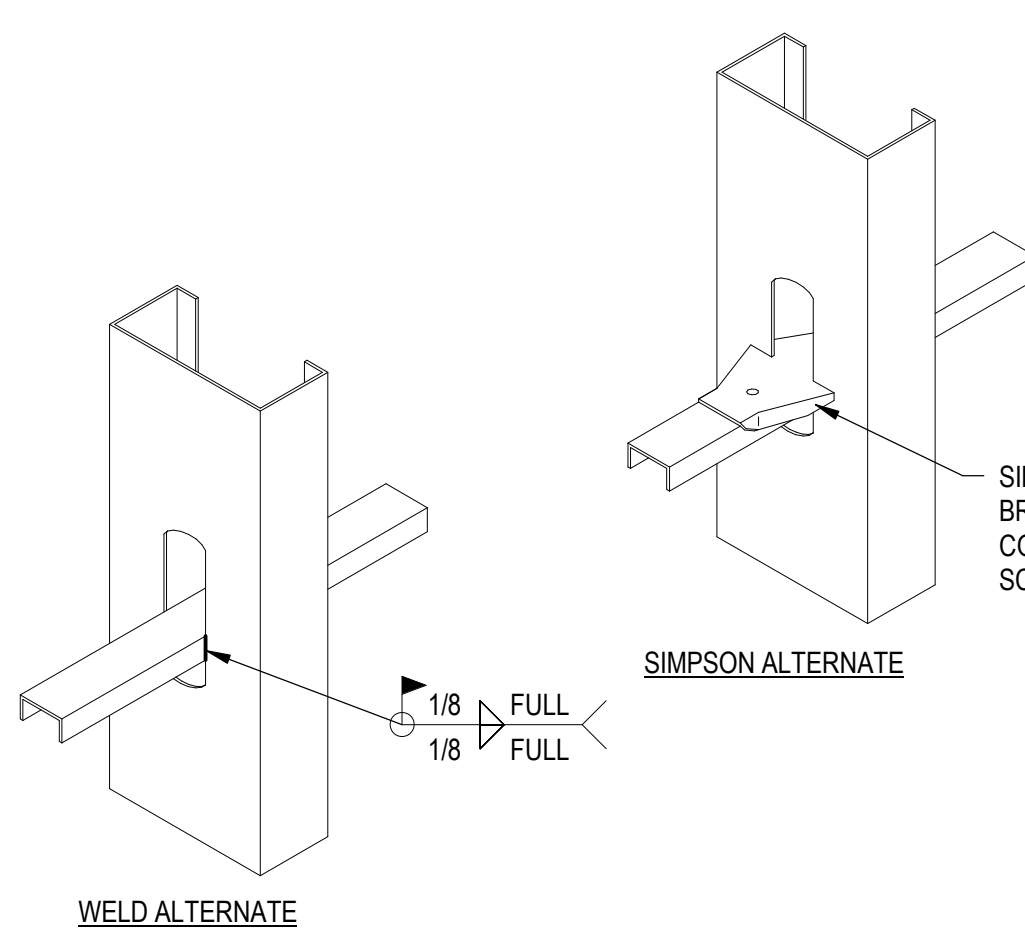
1 HEADER/SILL AT BOX BEAM
SCALE: 3" = 1'-0"



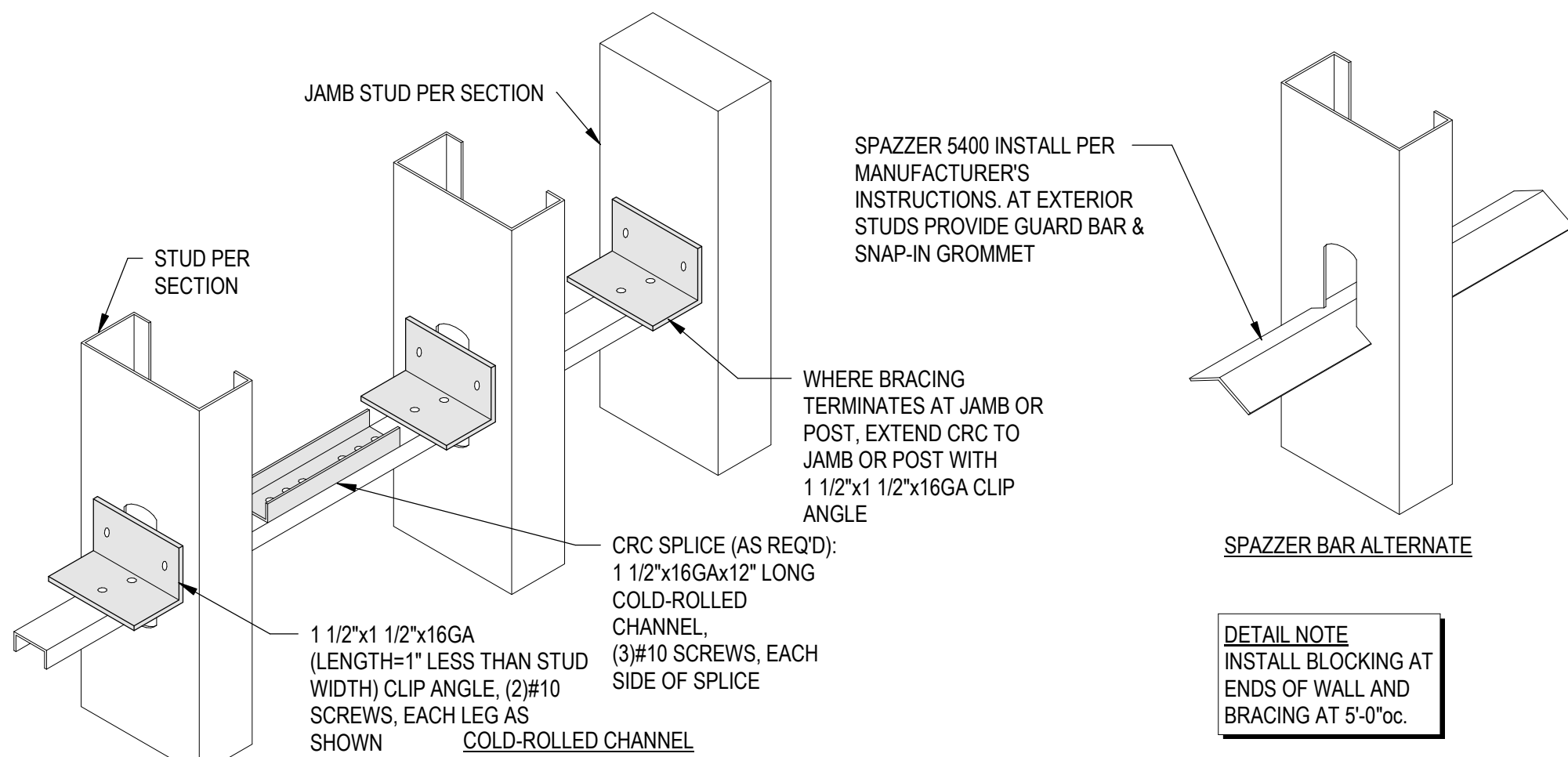
2 HEADER/SILL AT TRACK BEAM
SCALE: 3" = 1'-0"



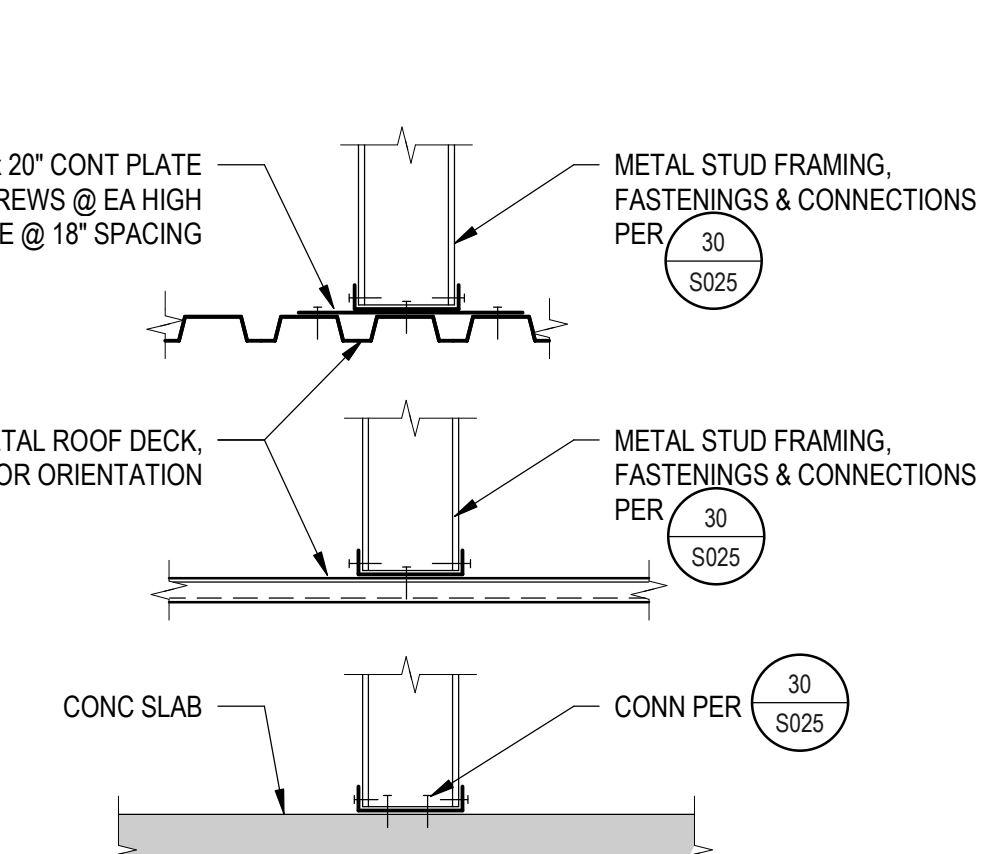
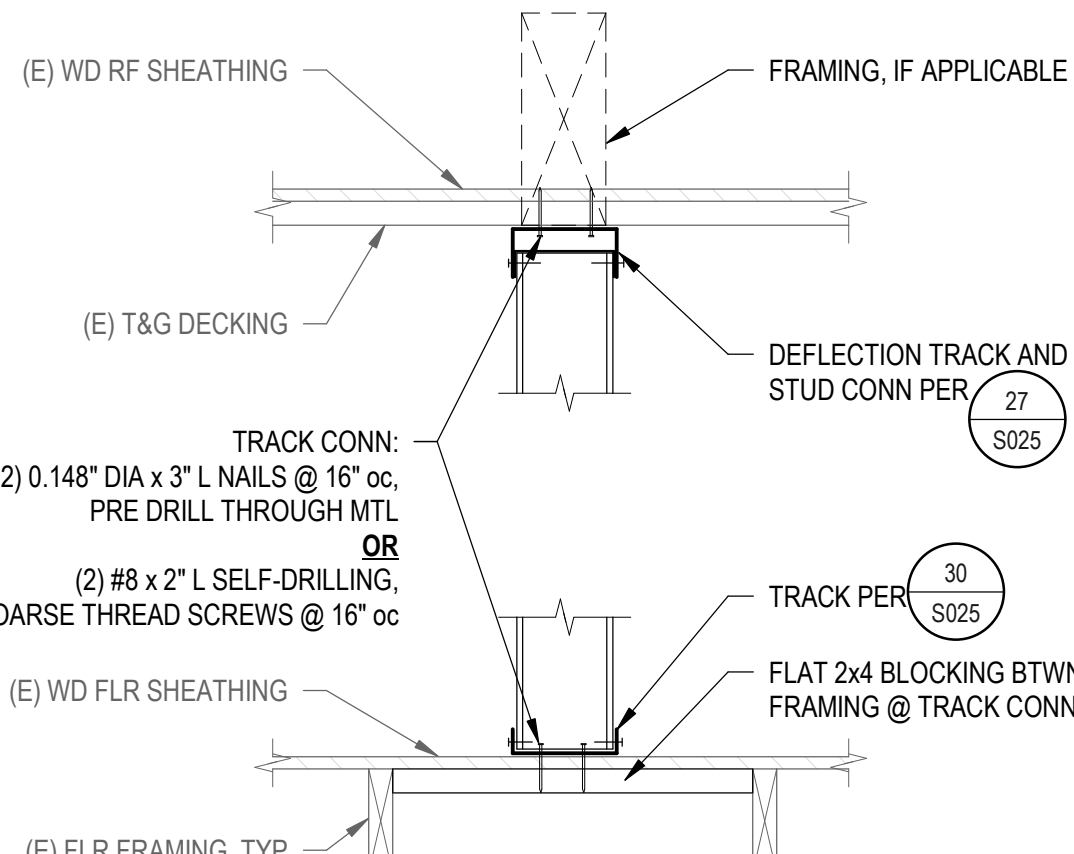
3 LATERAL BRACING AT UNPUNCHED STUDS
SCALE: 3" = 1'-0"



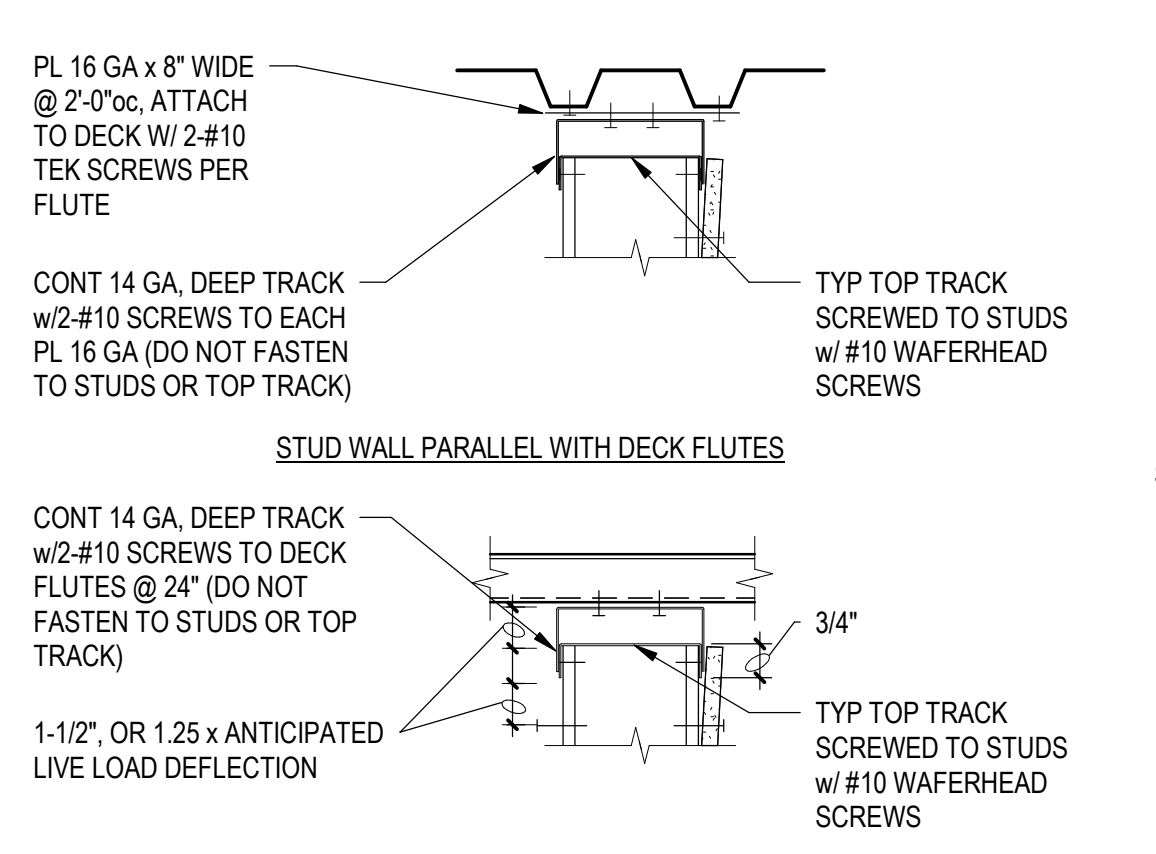
DETAIL NOTE
INSTALL BLOCKING AT
ENDS OF WALL AND
BRACING AT 5'-0"oc.



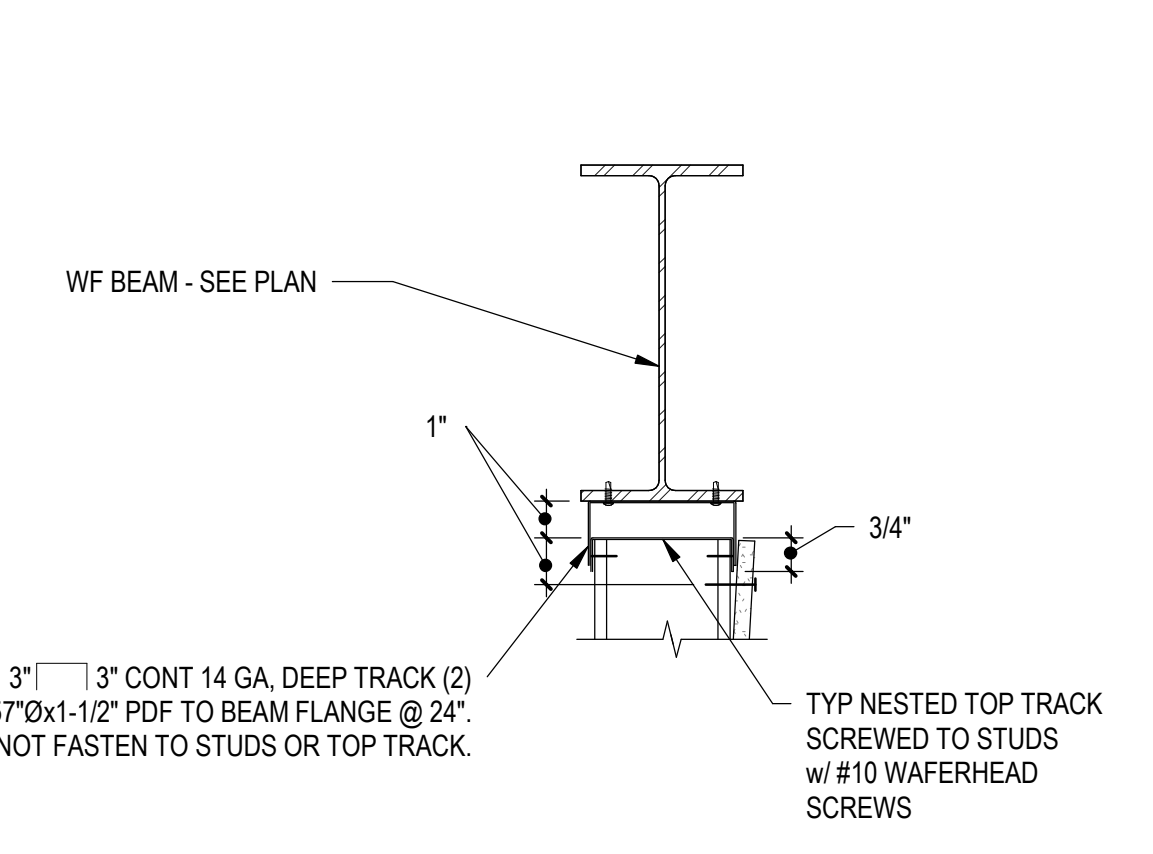
16 LATERAL BRACING AT PUNCHED STUDS
SCALE: 3" = 1'-0"



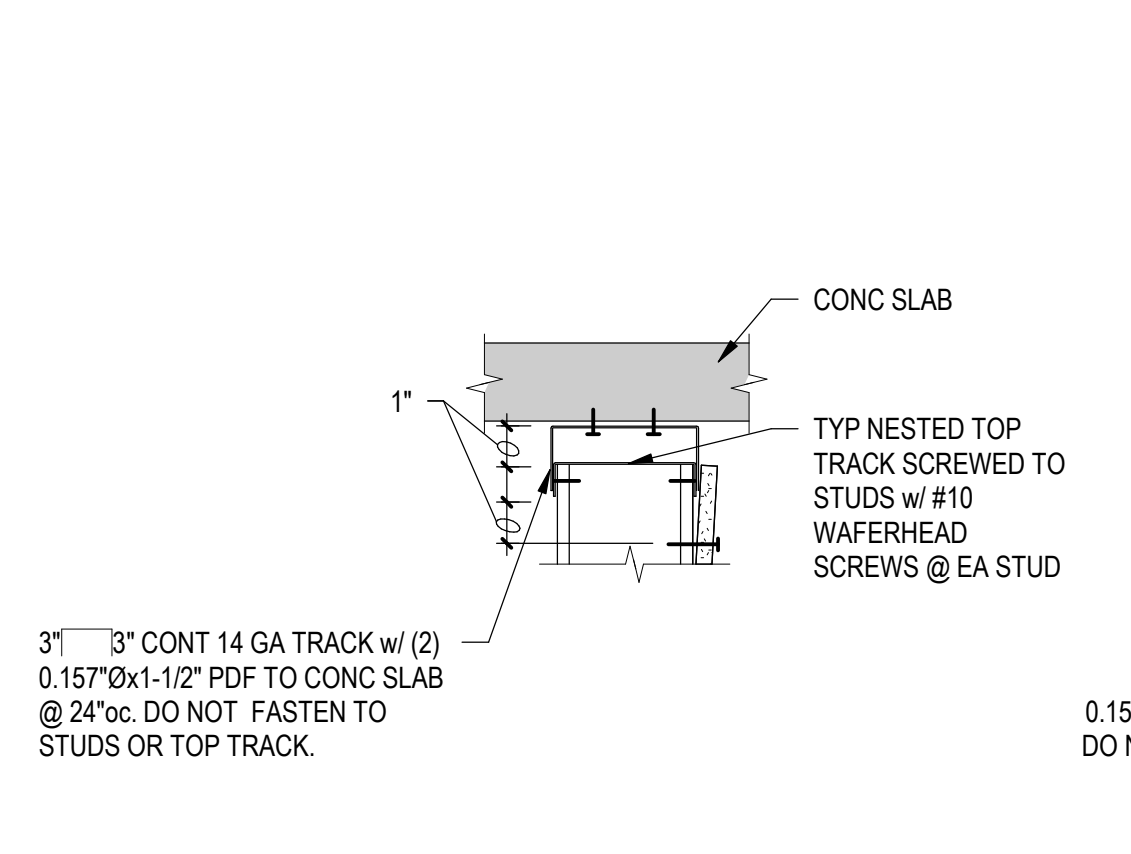
12 METAL STUD BEARING AT SLAB OR DECK
SCALE: 1" = 1'-0"



17 DEFLECTION TRACK AT BOD
SCALE: 3/4" = 1'-0"



22 DEFLECTION TRACK AT BOS
SCALE: 3/4" = 1'-0"



27 DEFLECTION TRACK AT CONC BOD
SCALE: 3/4" = 1'-0"

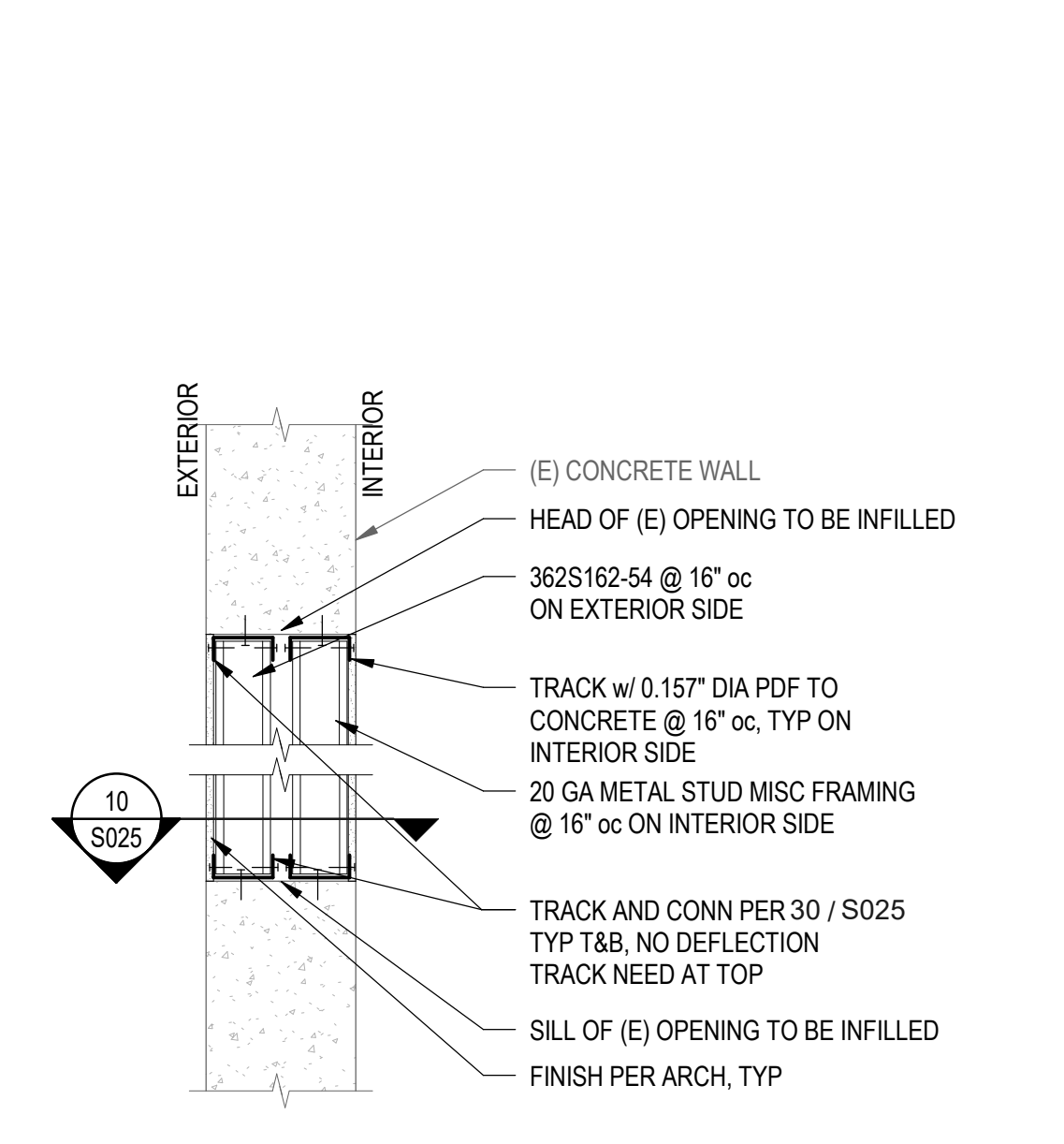
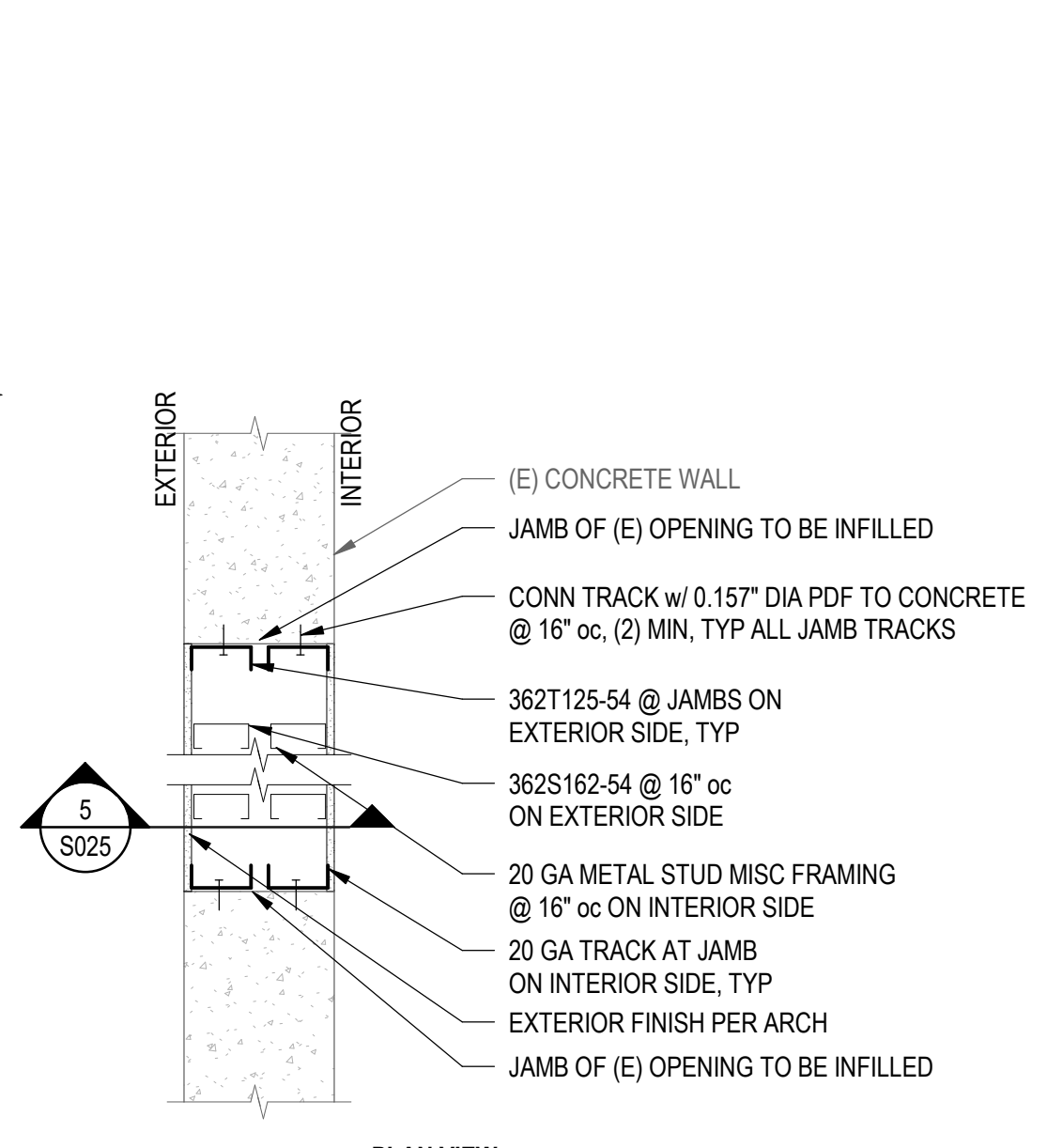
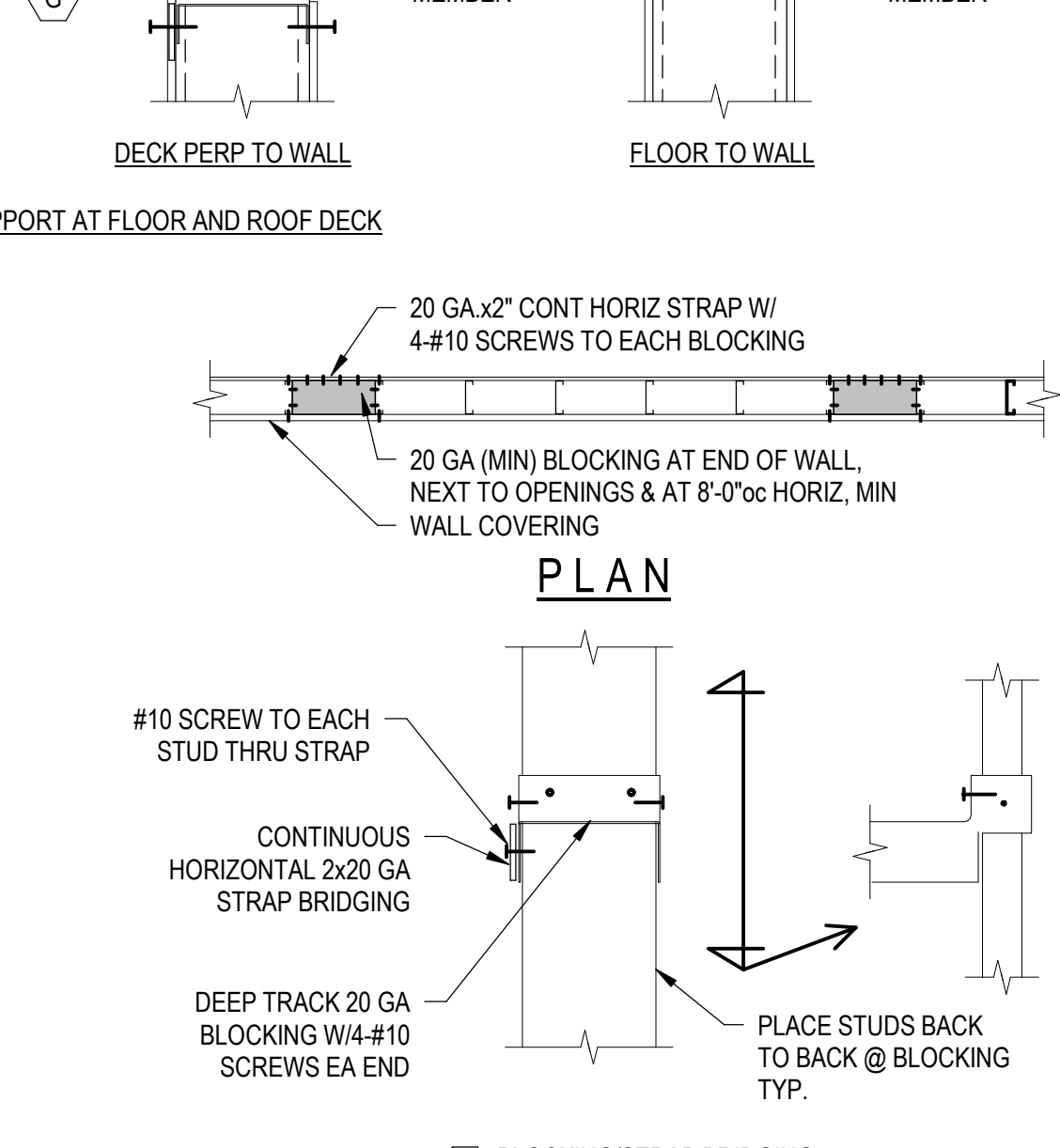
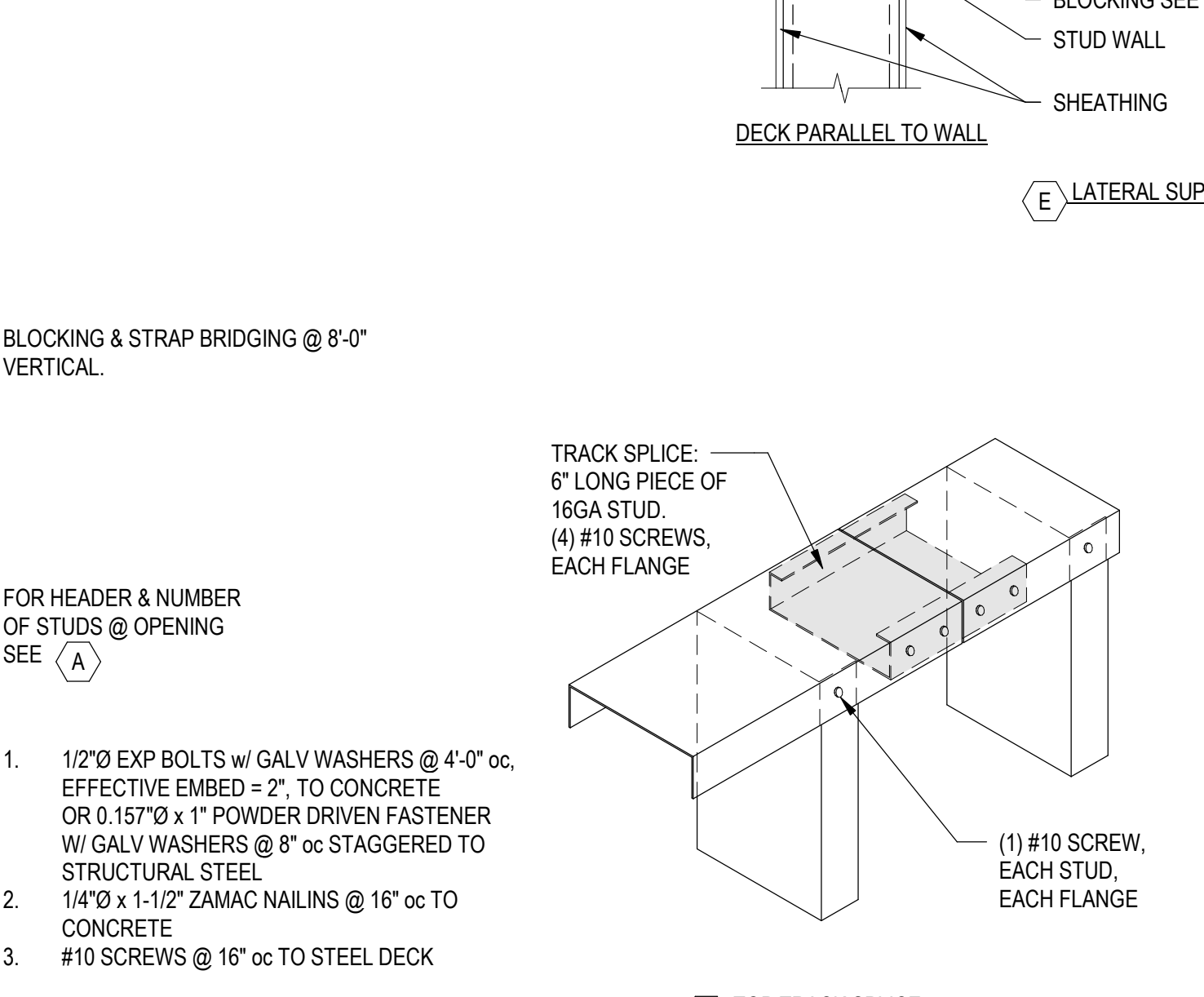
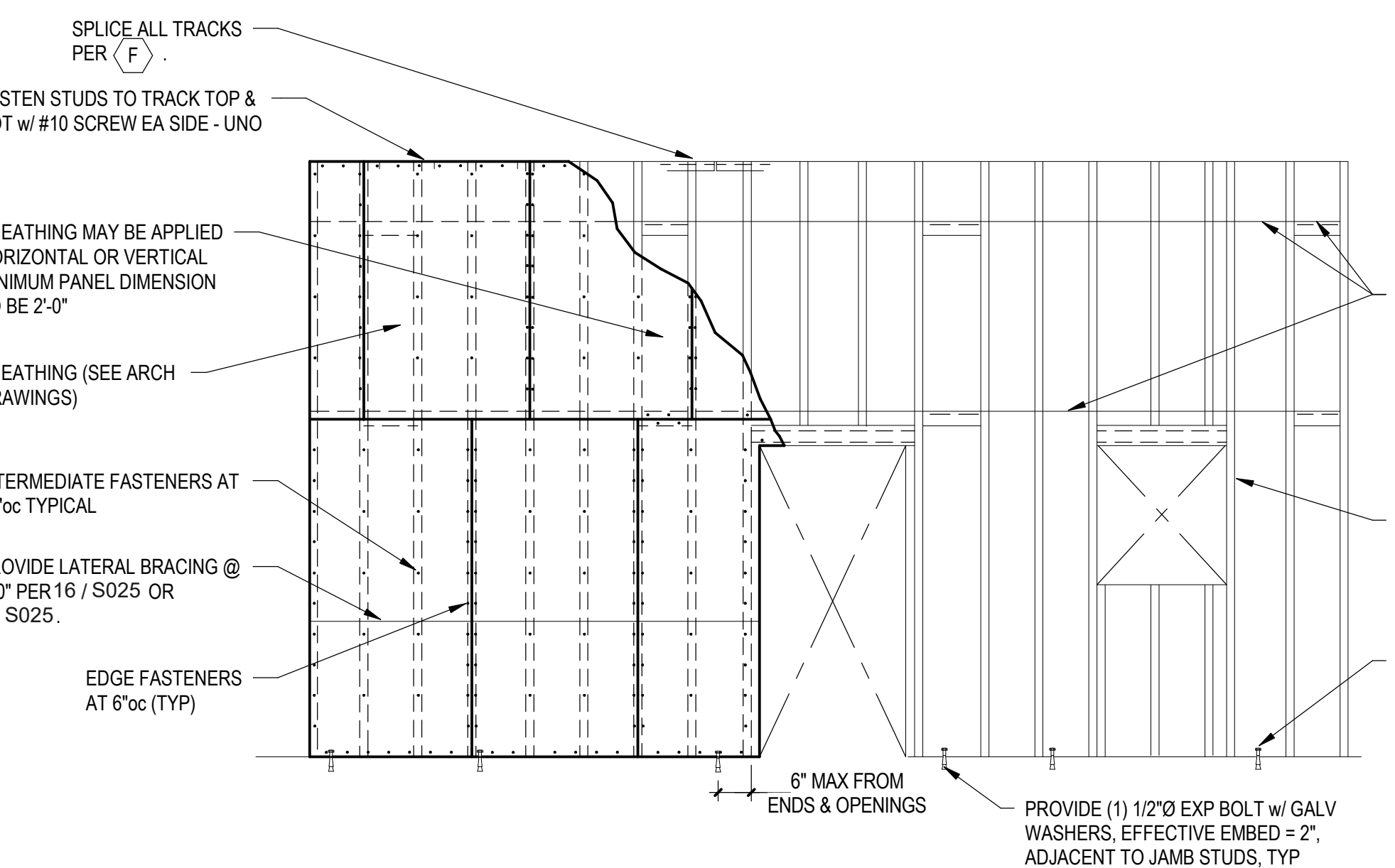
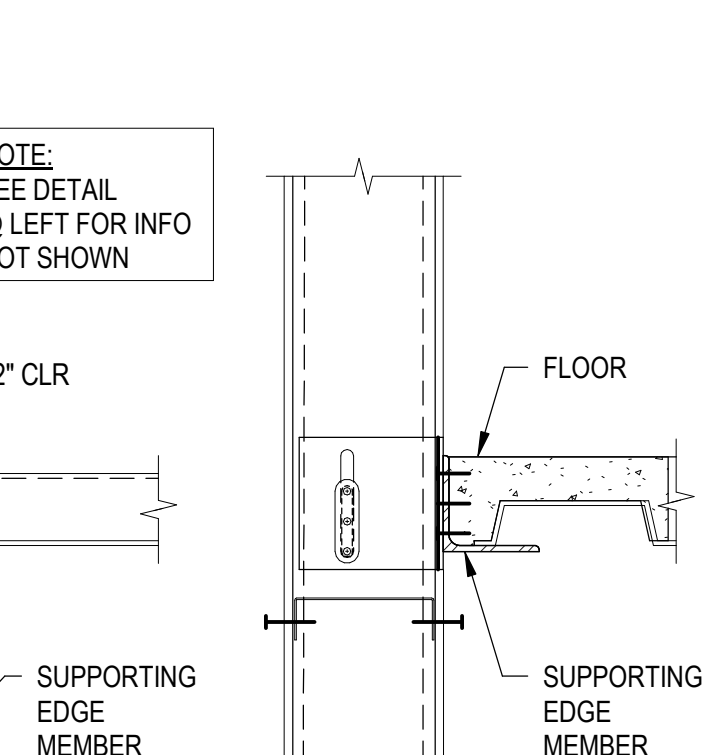
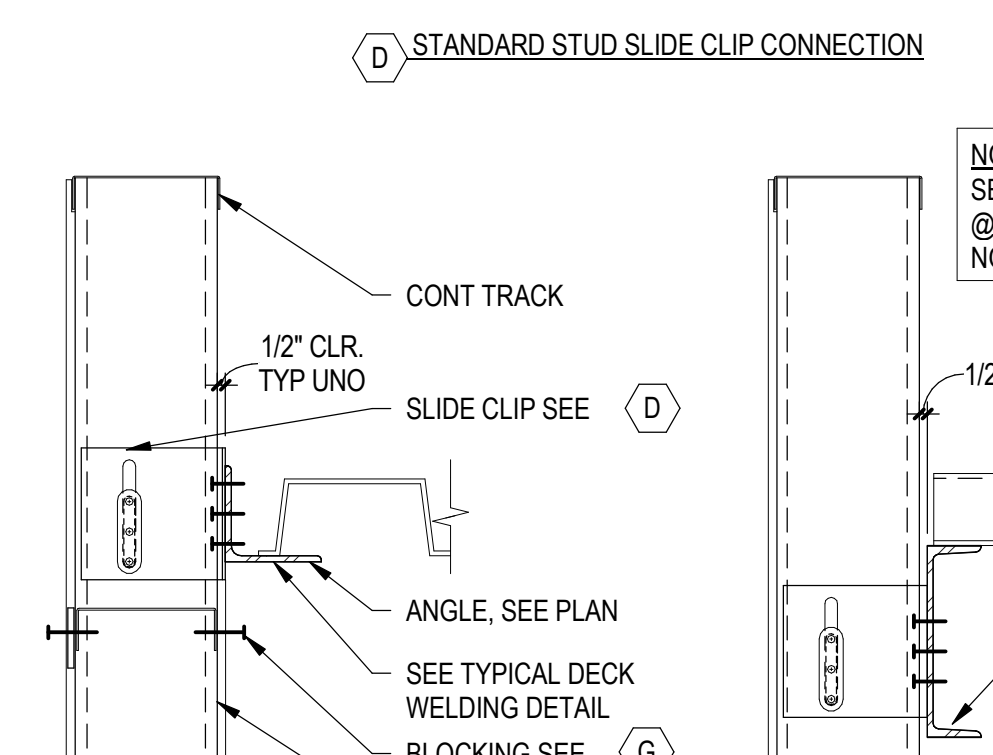
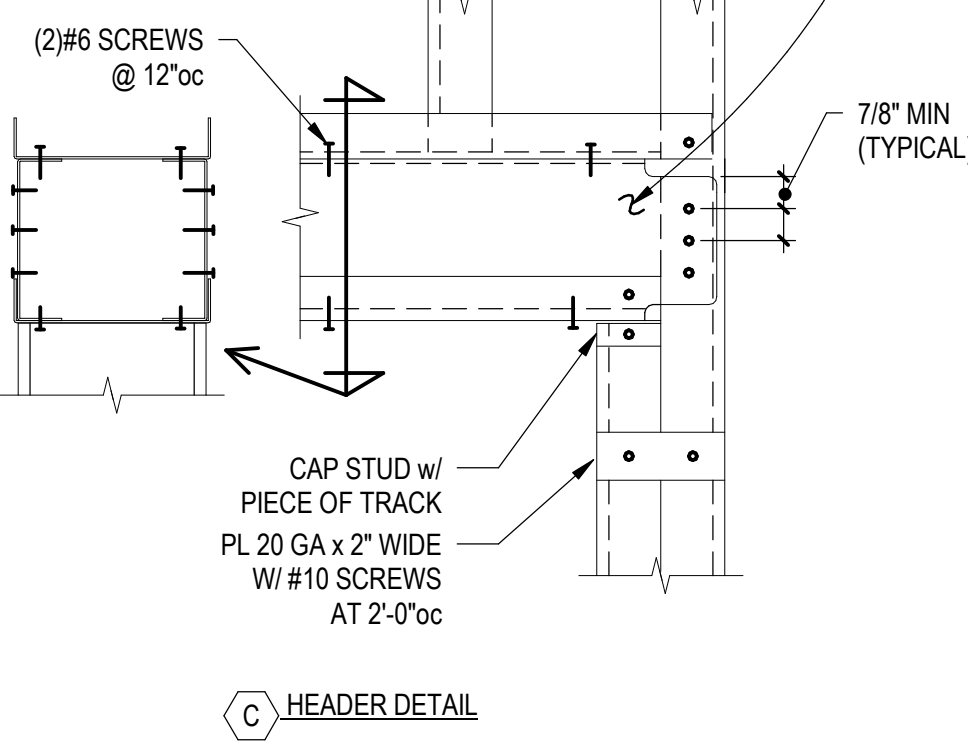
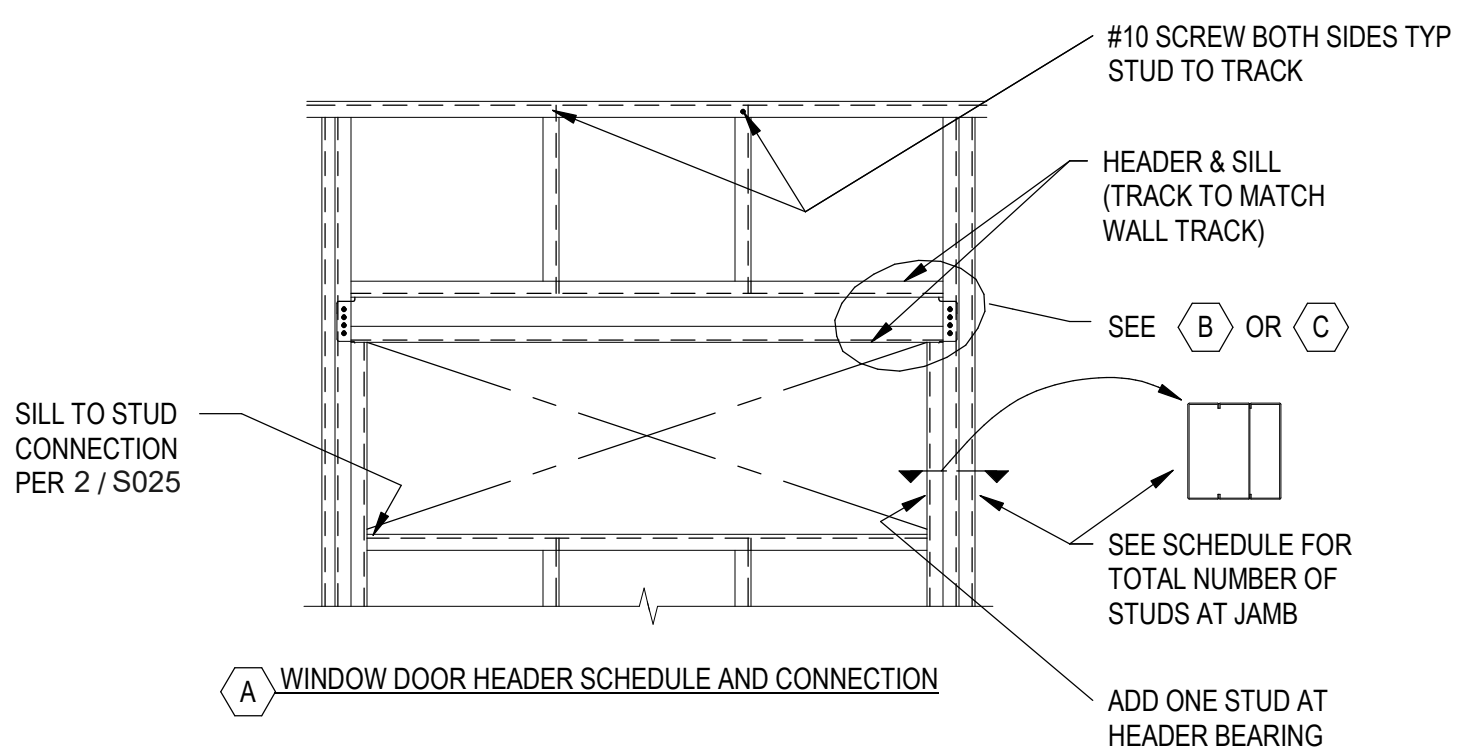
HDR TYPE	HDR DET	MAX HDR SPAN	HDR VERTICAL MEMEBERS	HDR HORIZ MEMEBERS	SILL	JAMB STUDS	SCREWS PER END CONNECT
HDR2	(B)	2'-0"	-	800T150-54	800T150-43	(1) 800S162-43	1 - #10 EA. SIDE
HDR4	(C)	4'-0"	(2) 400S162-33	(2) 800T150-43	800T150-43	(2) 800S162-43	2 - #10 EA. SIDE
HDR6	(C)	6'-0"	(2) 600S162-33	(2) 800T150-43	800T150-43	(2) 800S162-43	2 - #10 EA. SIDE
HDR8	(C)	8'-0"	(2) 800S200-43	(2) 800T150-43	800T150-43	(2) 800S200-43	4 - #10 EA. SIDE
HDR10	(C)	10'-0"	(2) 800S200-43	(2) 800T150-43	800T150-43	(2) 800S200-43	4 - #10 EA. SIDE
HDR12	(C)	12'-0"	(2) 1000S300-54	(2) 800T150-68	800T150-68	(2) 800S200-54	6 - #10 EA. SIDE

STUD TYPE	800S162-43	600S162-43	550S162-43	400S162-43	350S162-43
SPACING	16"	16"	16"	16"	16"
FINISH	GALV	GALV	GALV	GALV	GALV
TRACK	800T125-43	800T125-43	550T125-43	400T125-43	350T125-43

*UNO ON ELEVATIONS OR DETAILS

TYPE	SIZE	HEAD
FRAMING	#6	BUGLE
PLYMETAL	#10	PAN

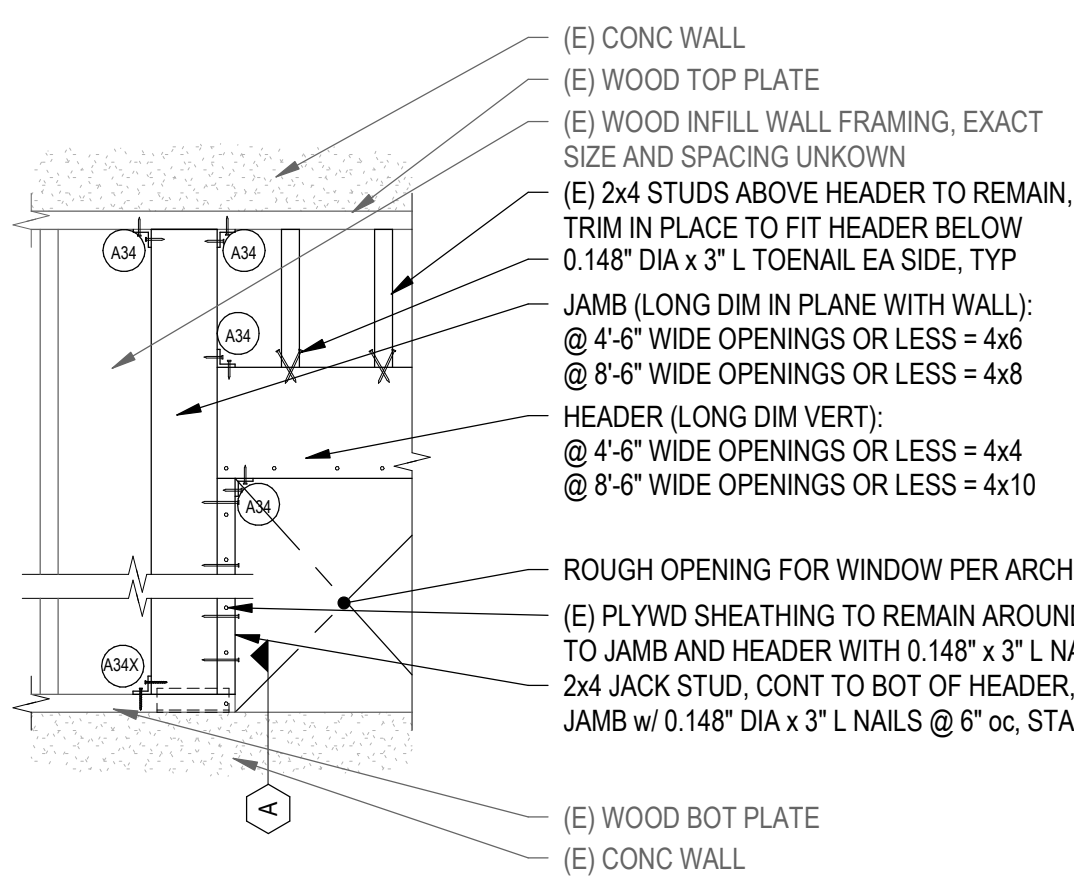
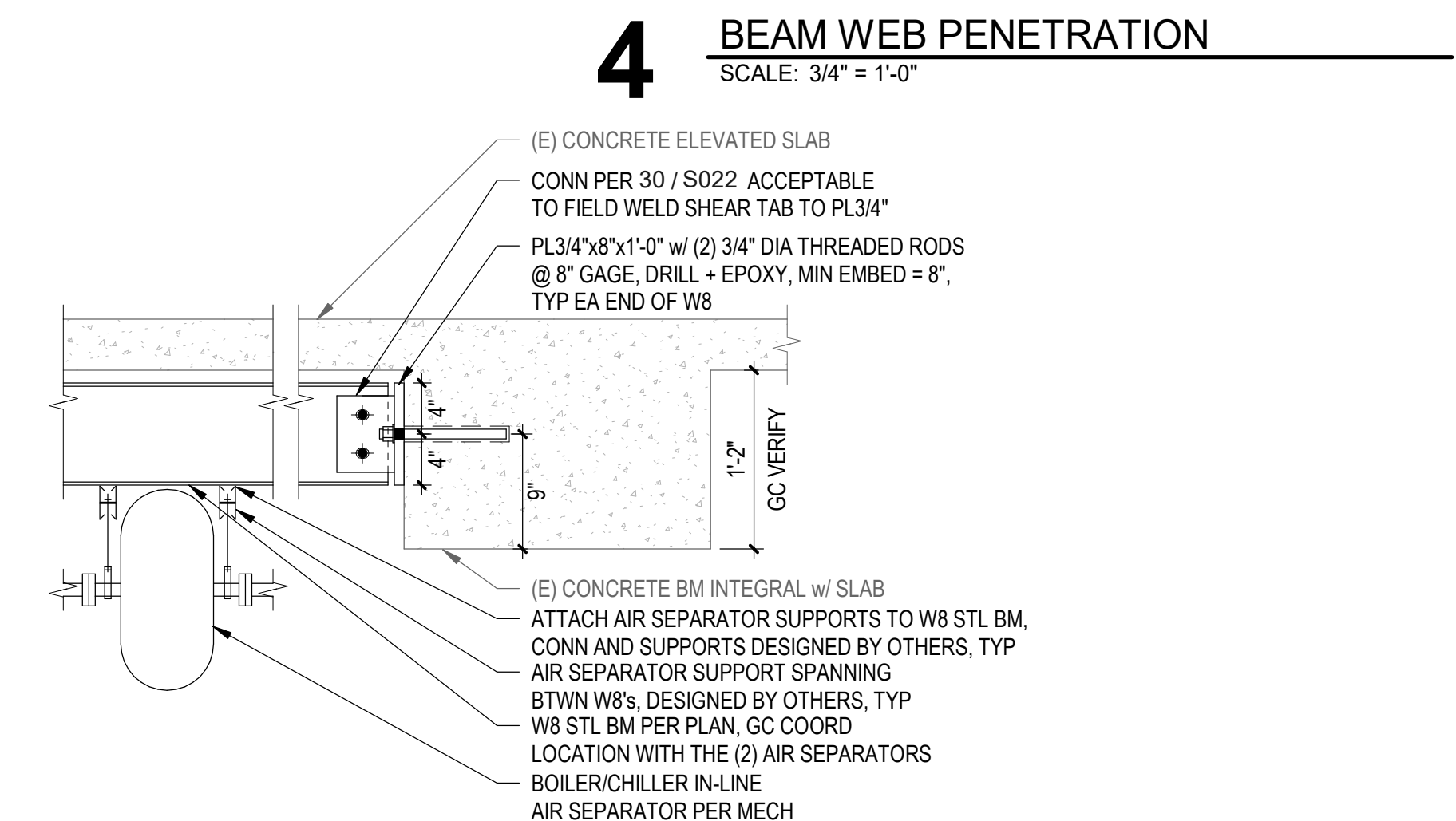
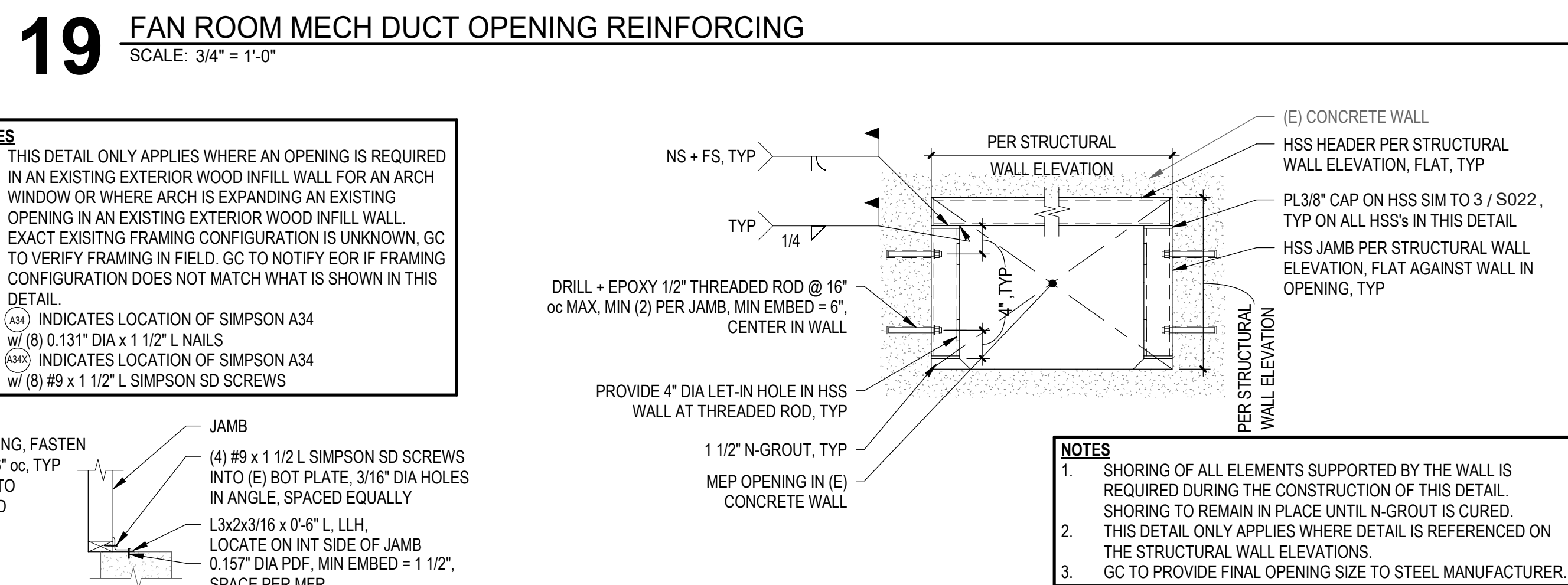
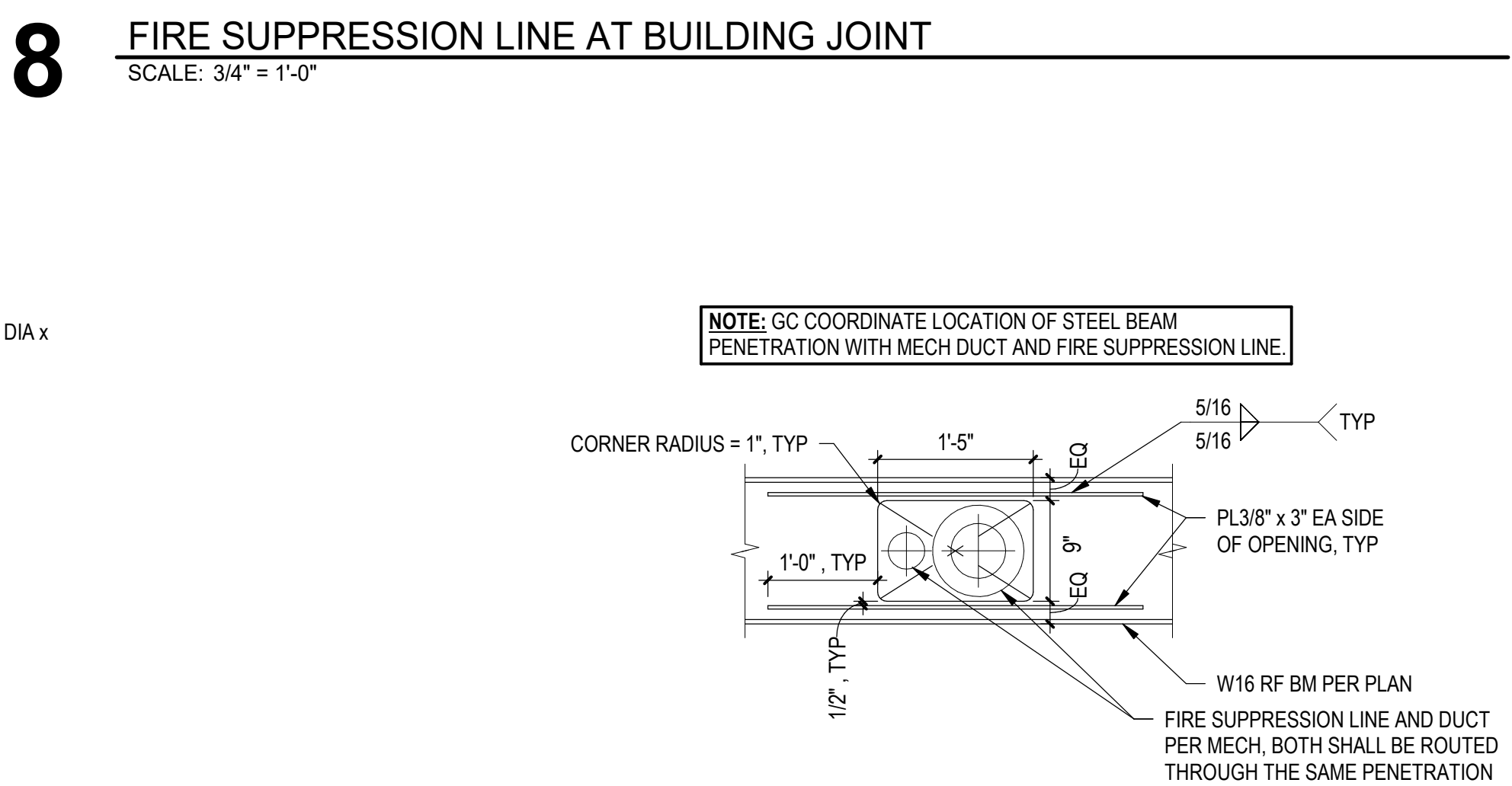
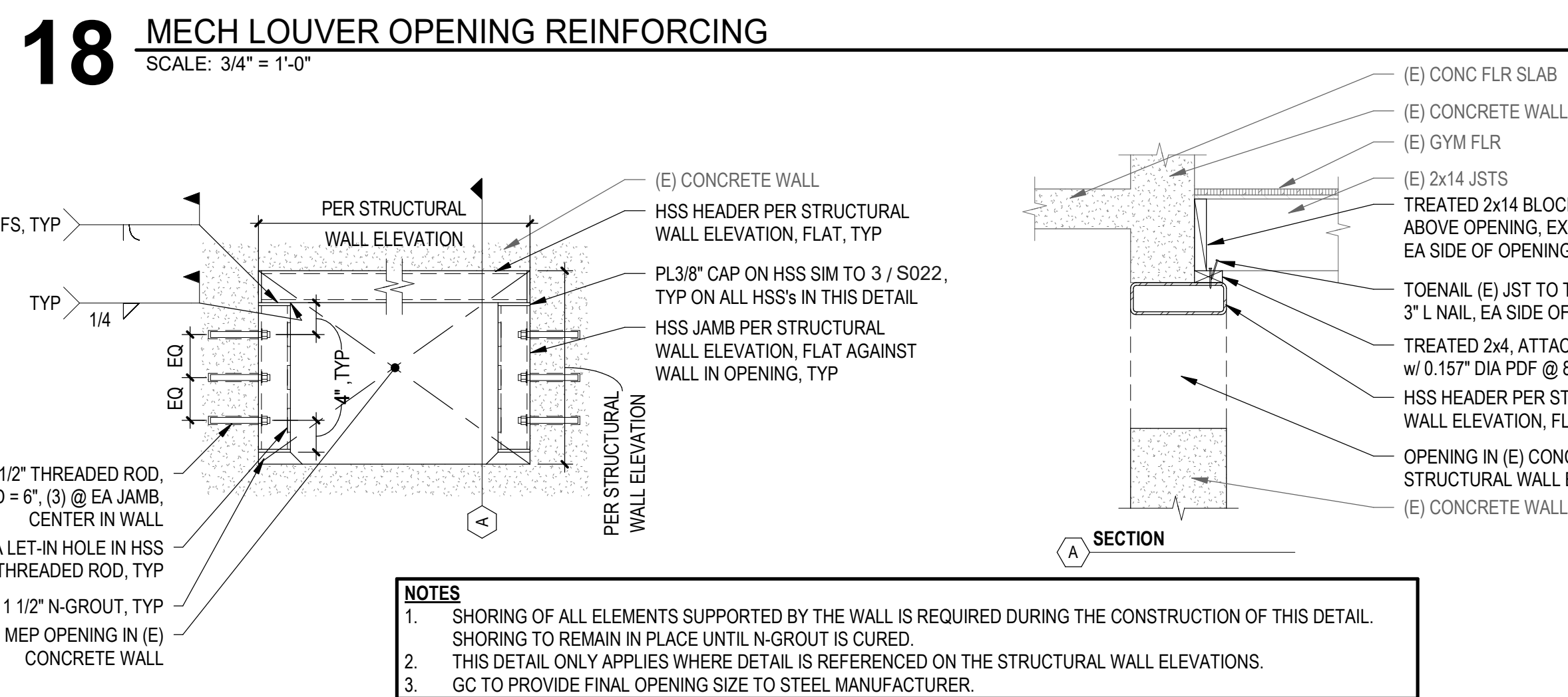
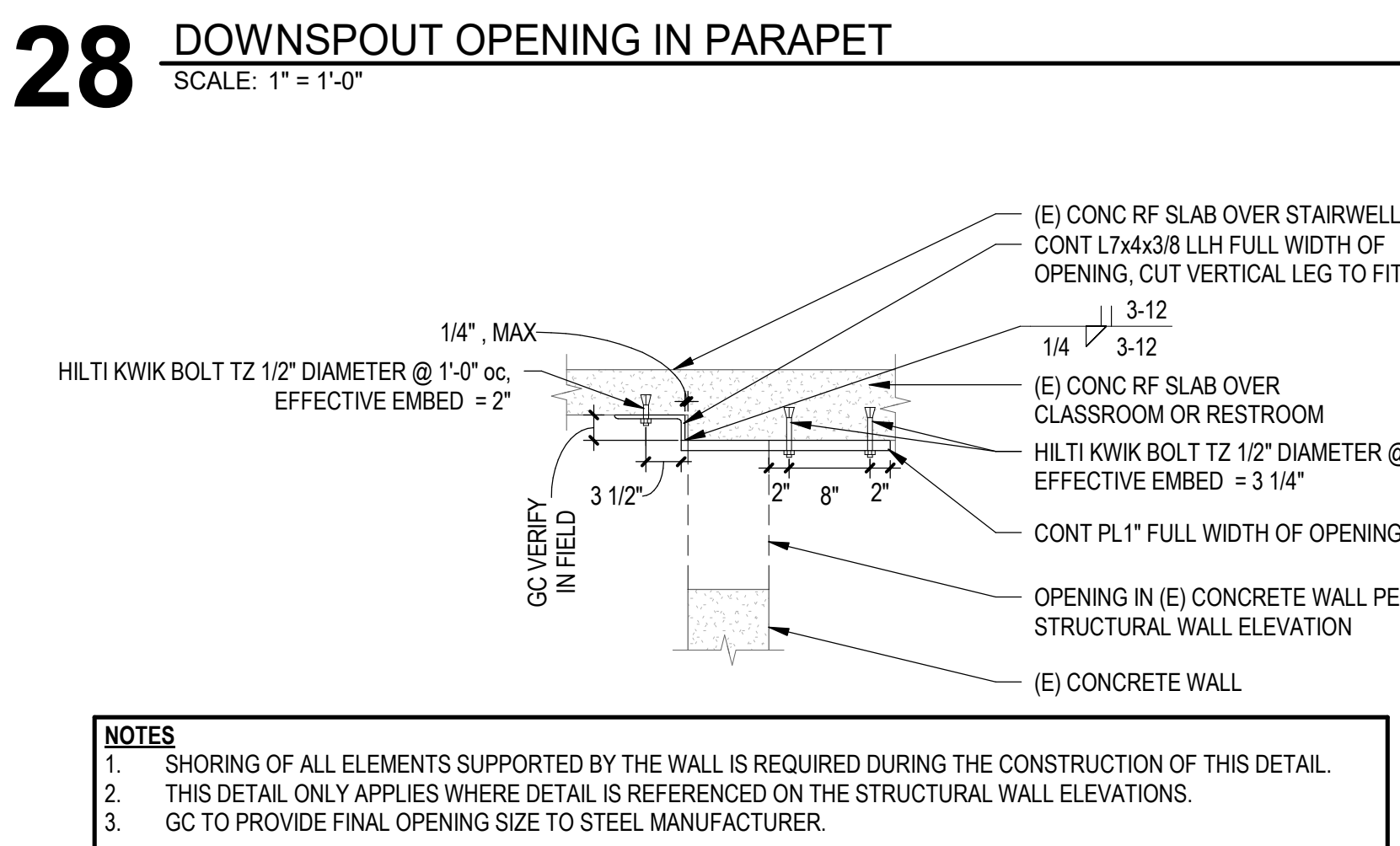
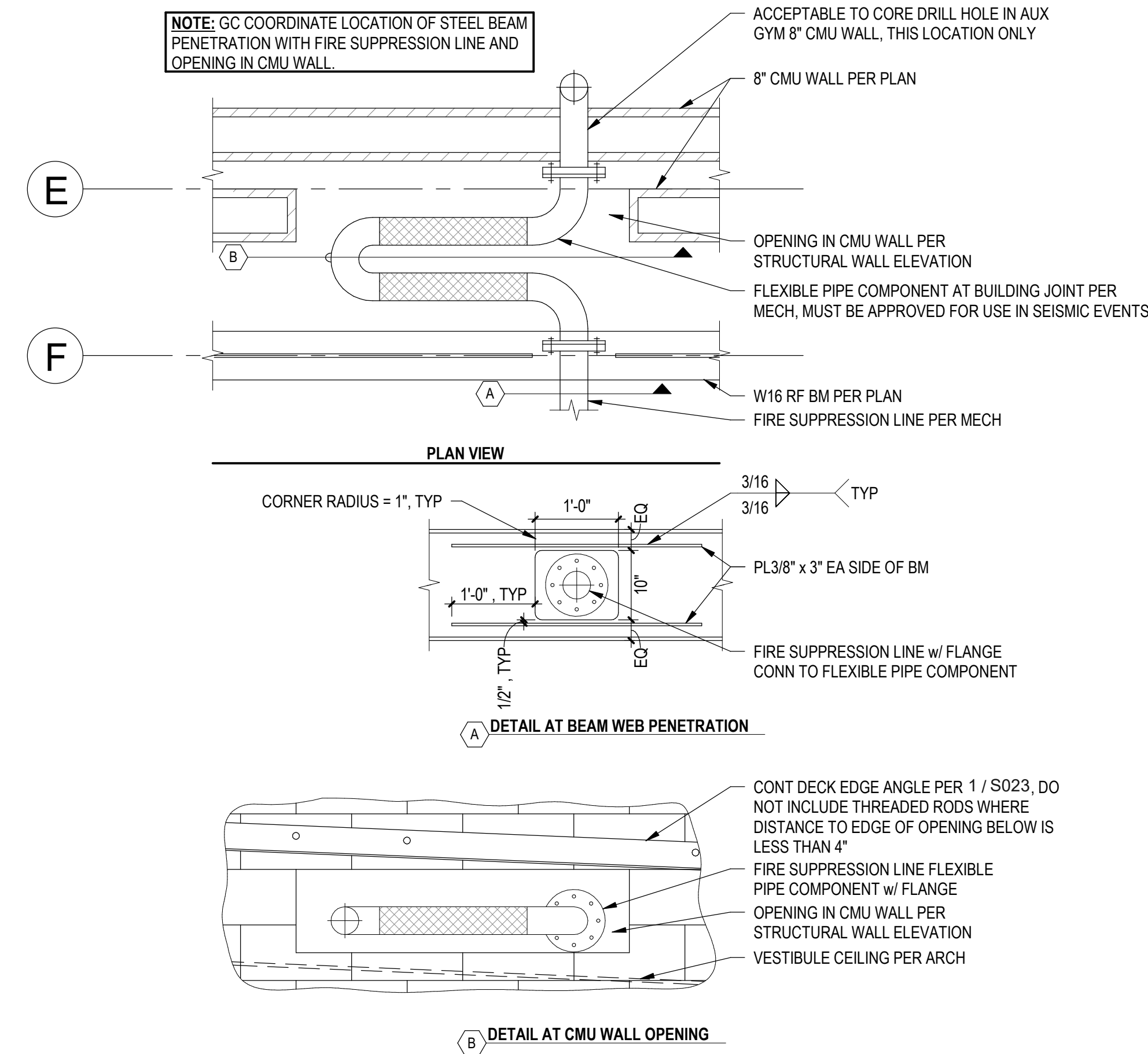
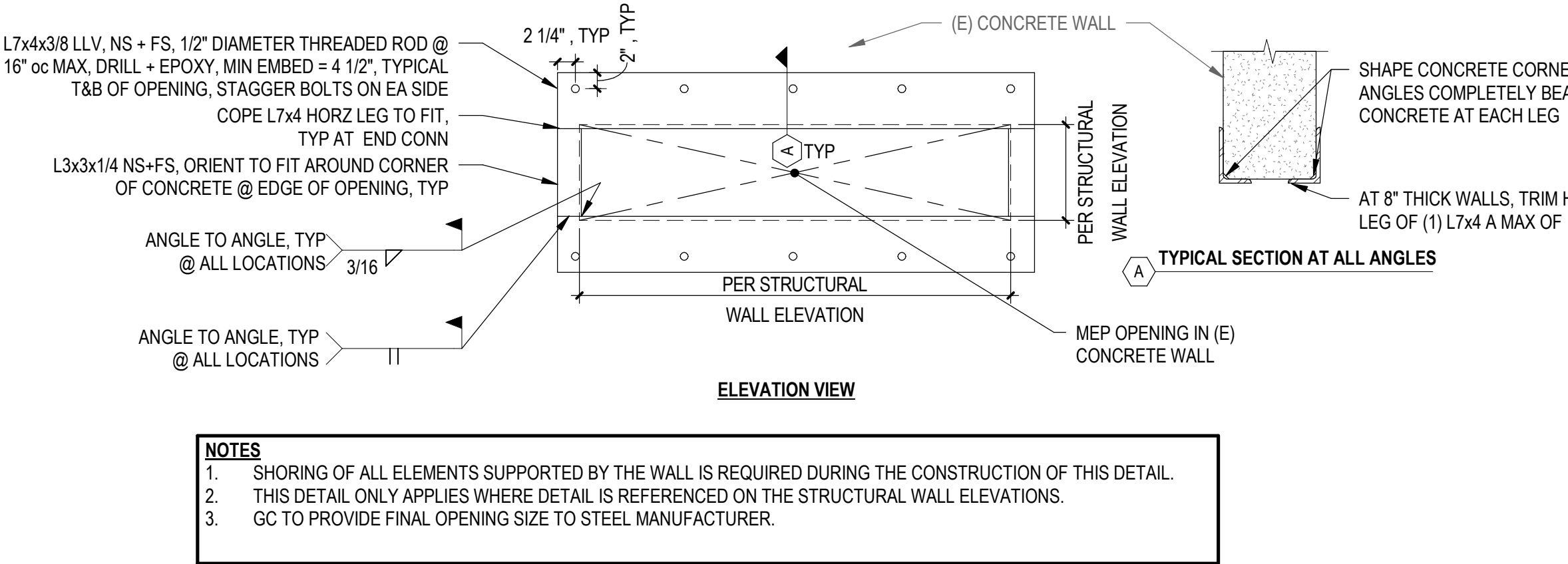
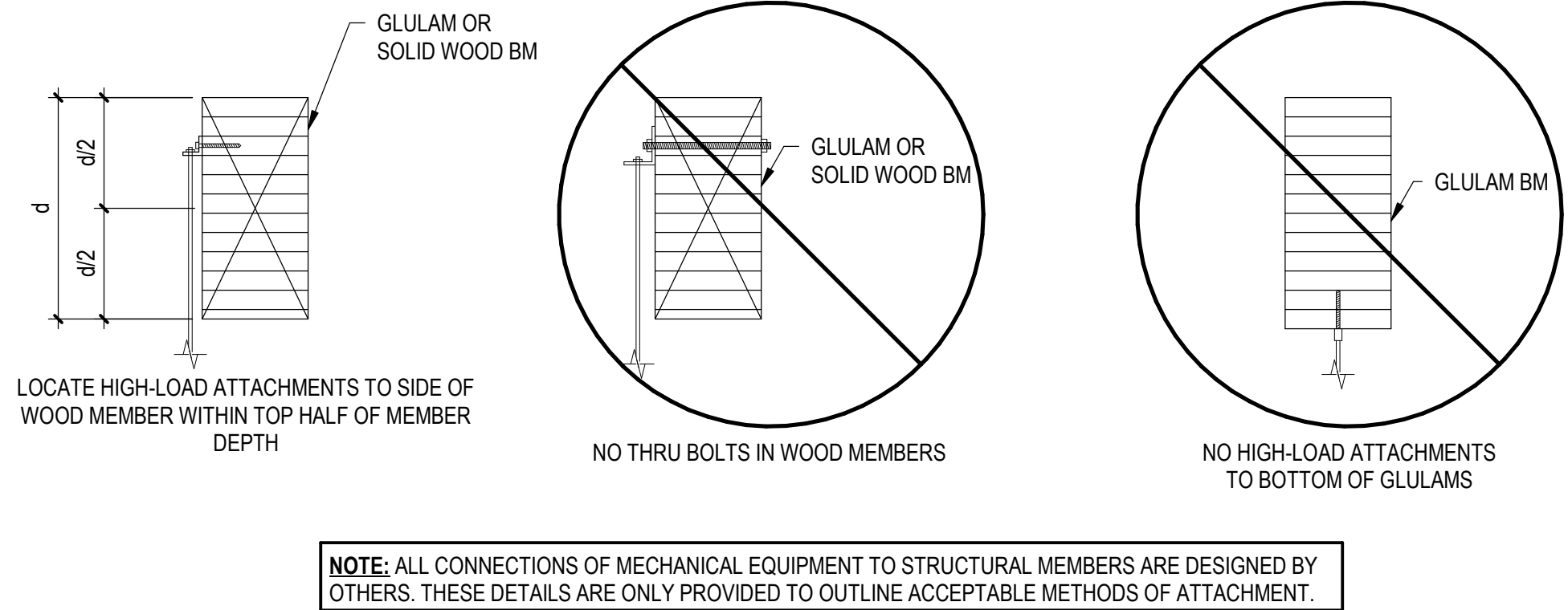
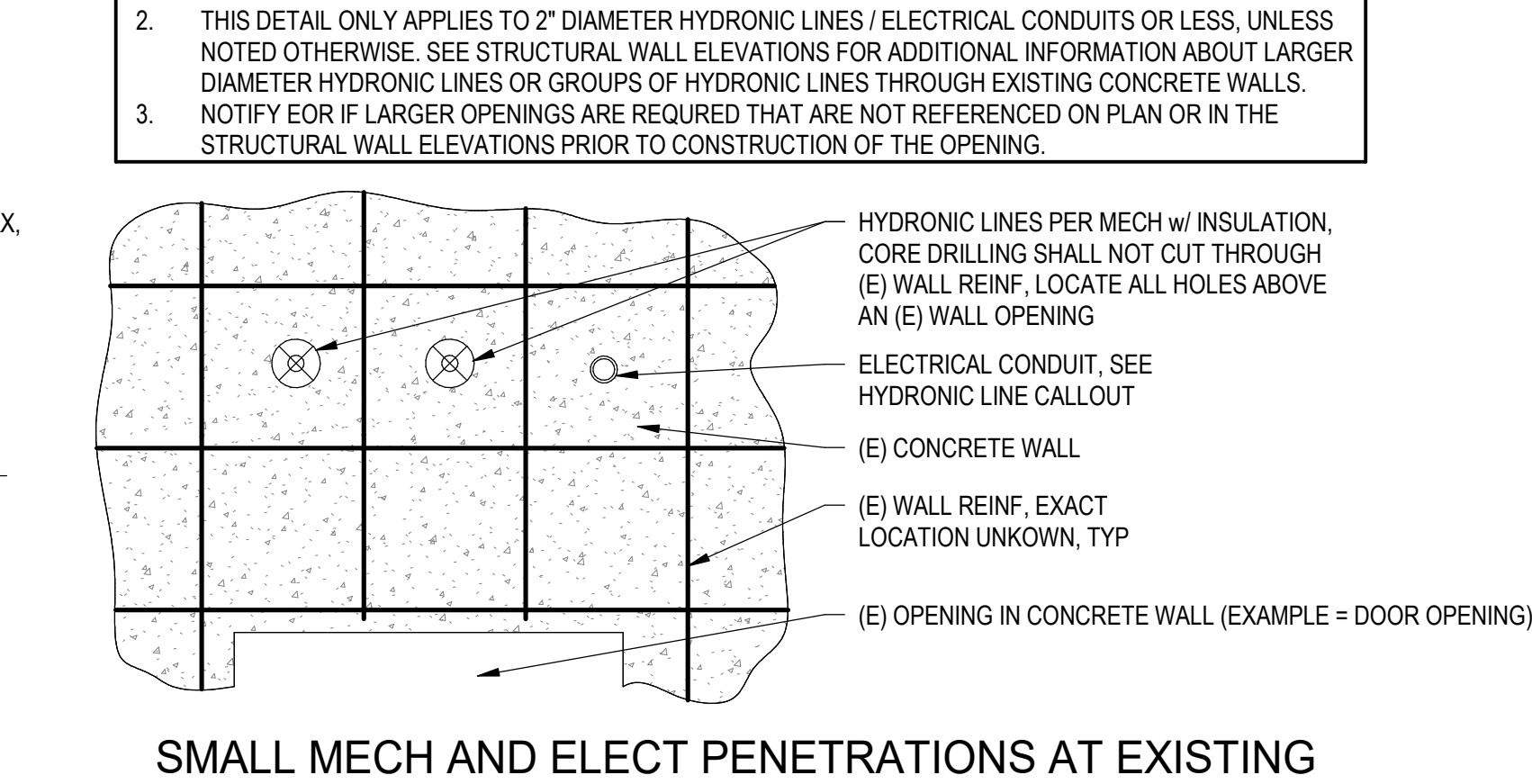
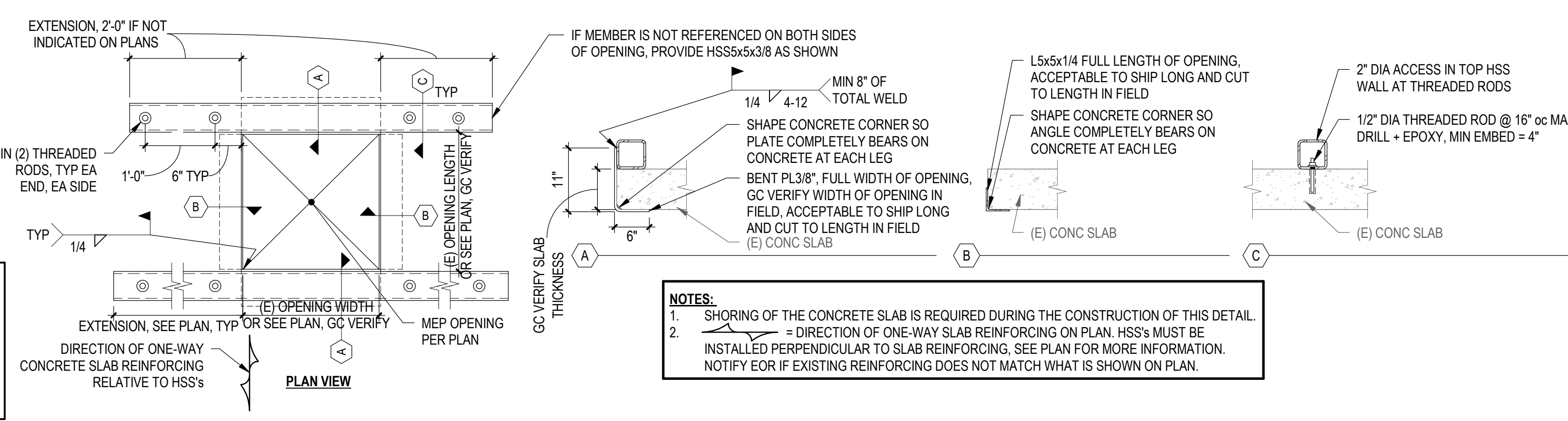
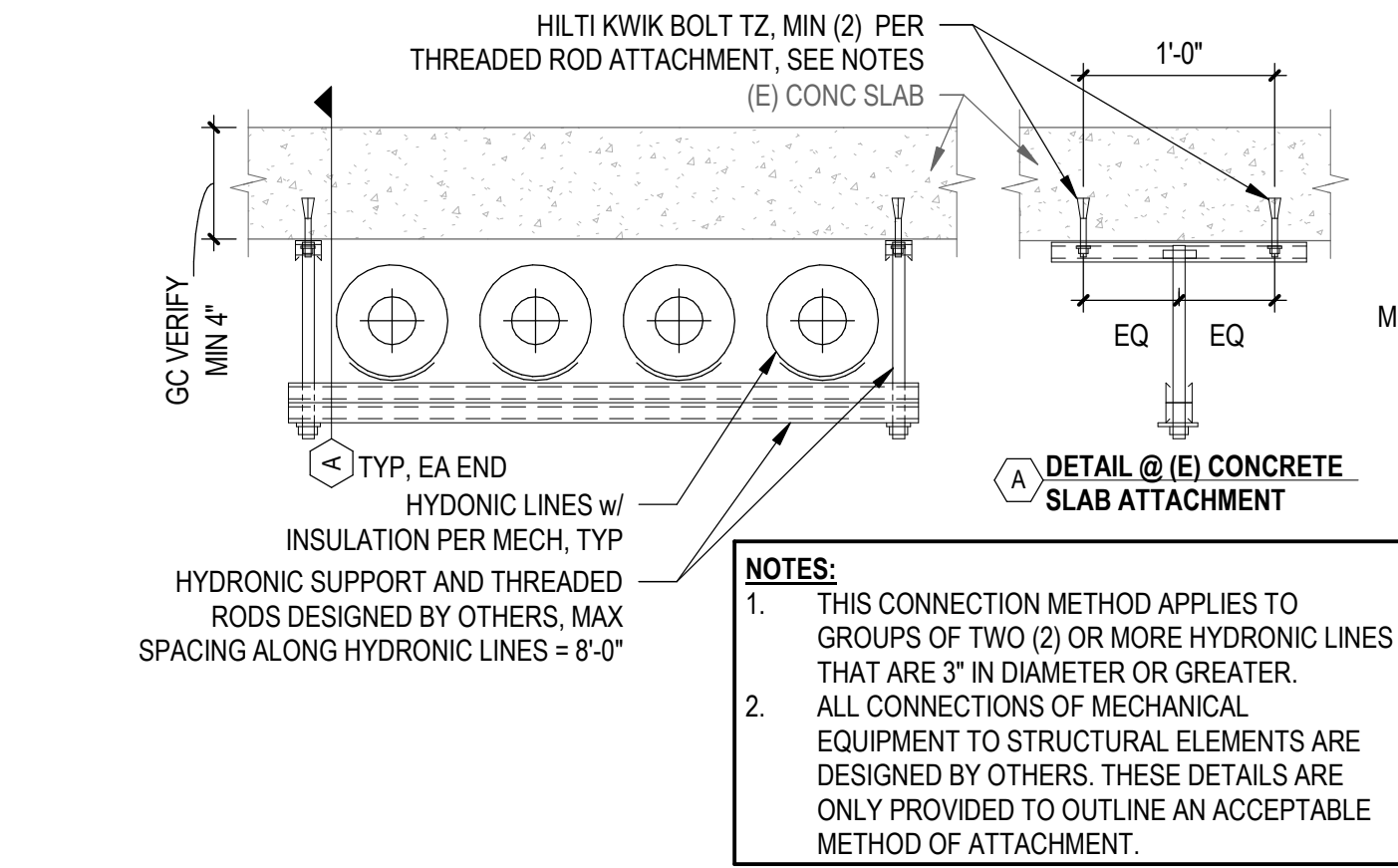
NOTE: SCREWS IN EXT STUDS SHALL BE ZINC COATED



30 EXTERIOR STEEL STUD WALL (NON-LOAD BEARING, NON-SHEAR)
SCALE: 1/2" = 1'-0"

10 MTL STUD INFILL FRAMING DETAIL
SCALE: 1" = 1'-0"

5 MTL STUD INFILL FRAMING DETAIL
SCALE: 1" = 1'-0"

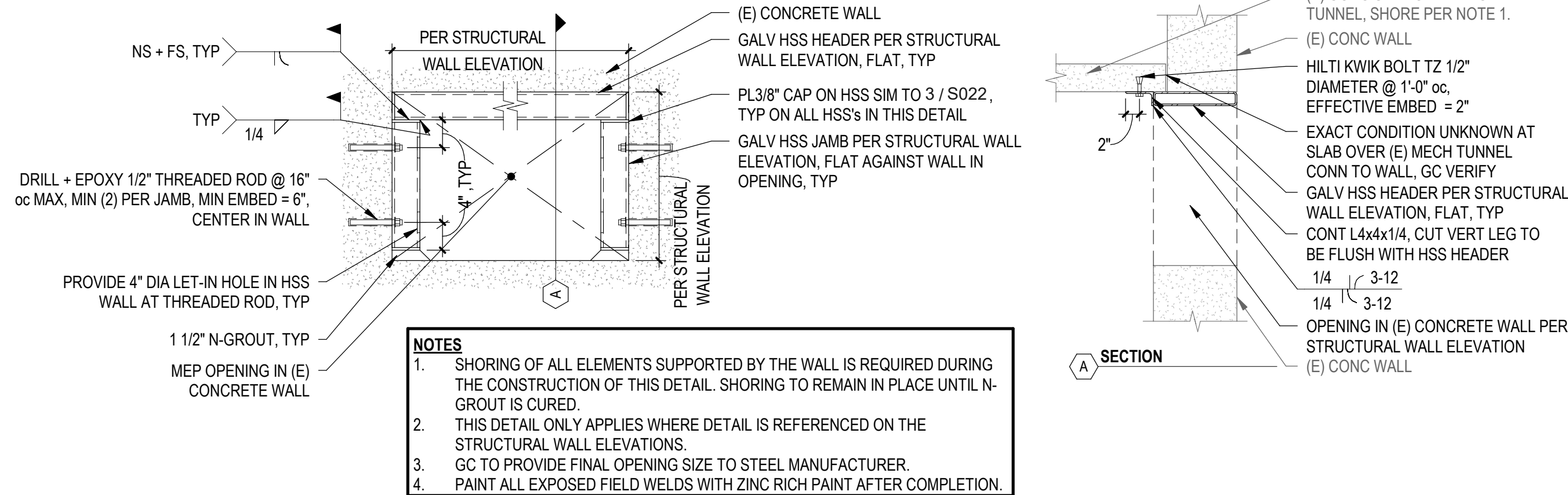


KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

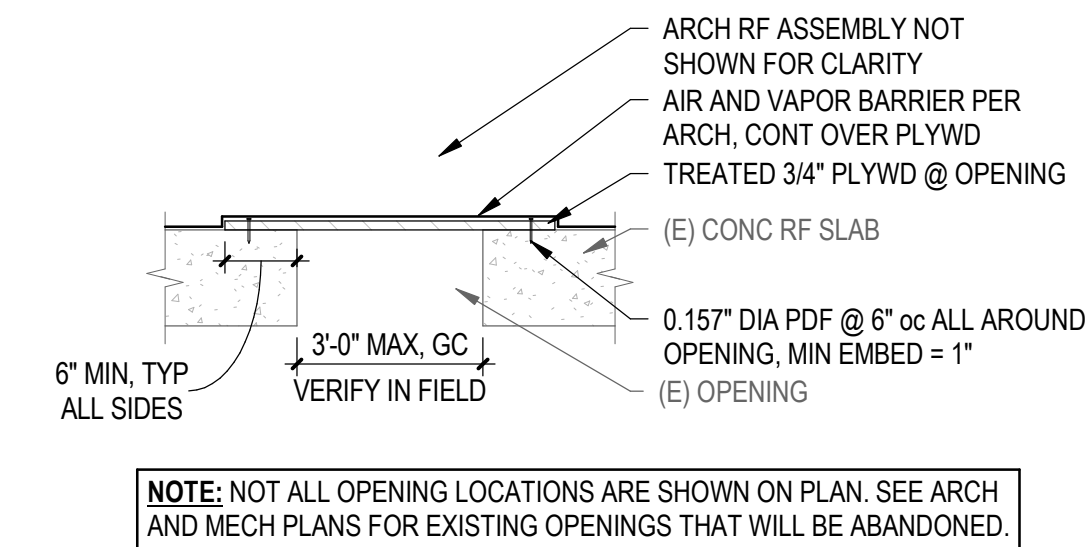
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	AM
Checked by:	TD
Revisions	
#	Date Description

TYPICAL
COORDINATION
DETAILS

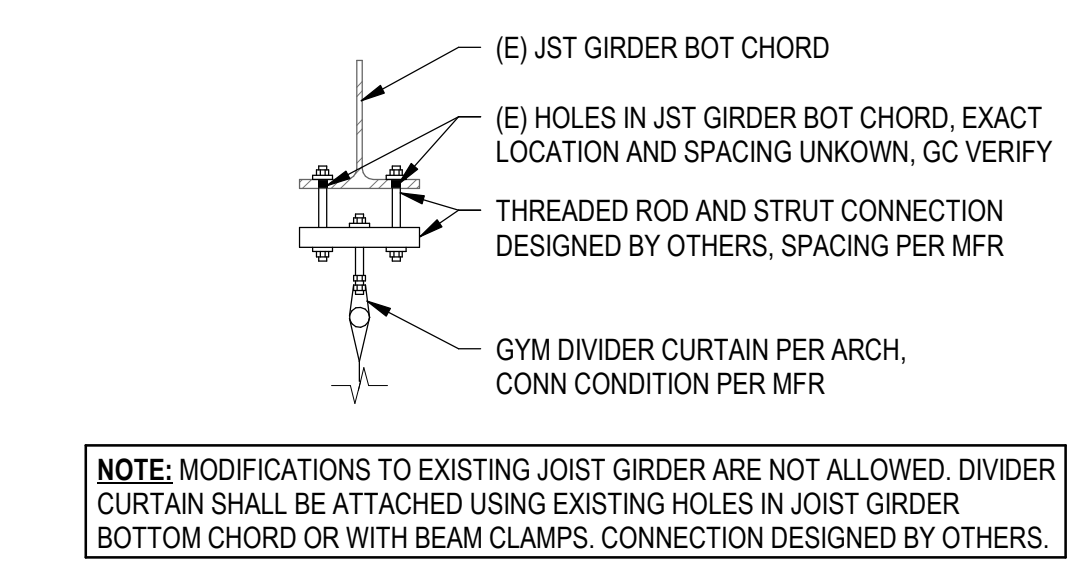
S026



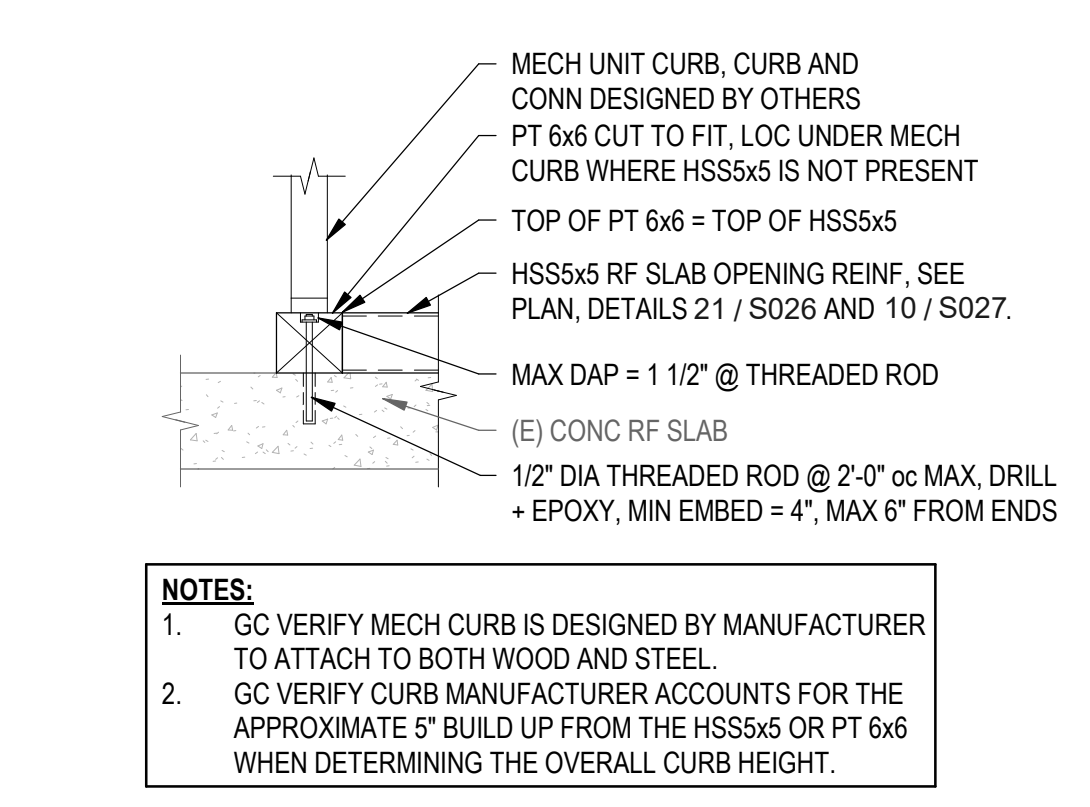
6 MEP OPENING REINFORCING AT MECH TUNNEL
SCALE: 3/4" = 1'-0"



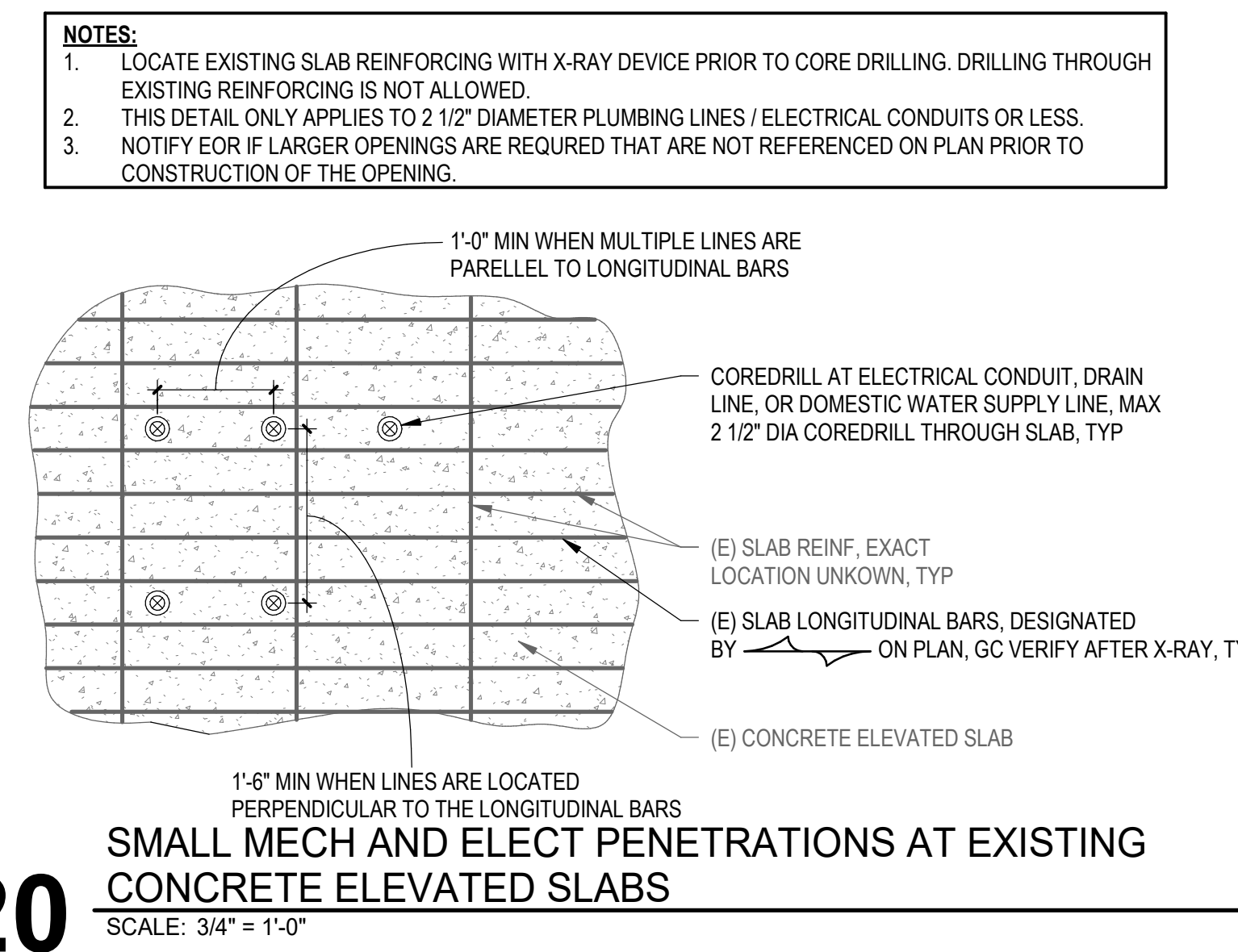
2 BUILDING 1 ROOF TYPICAL INFILL DETAIL
SCALE: 3/4" = 1'-0"



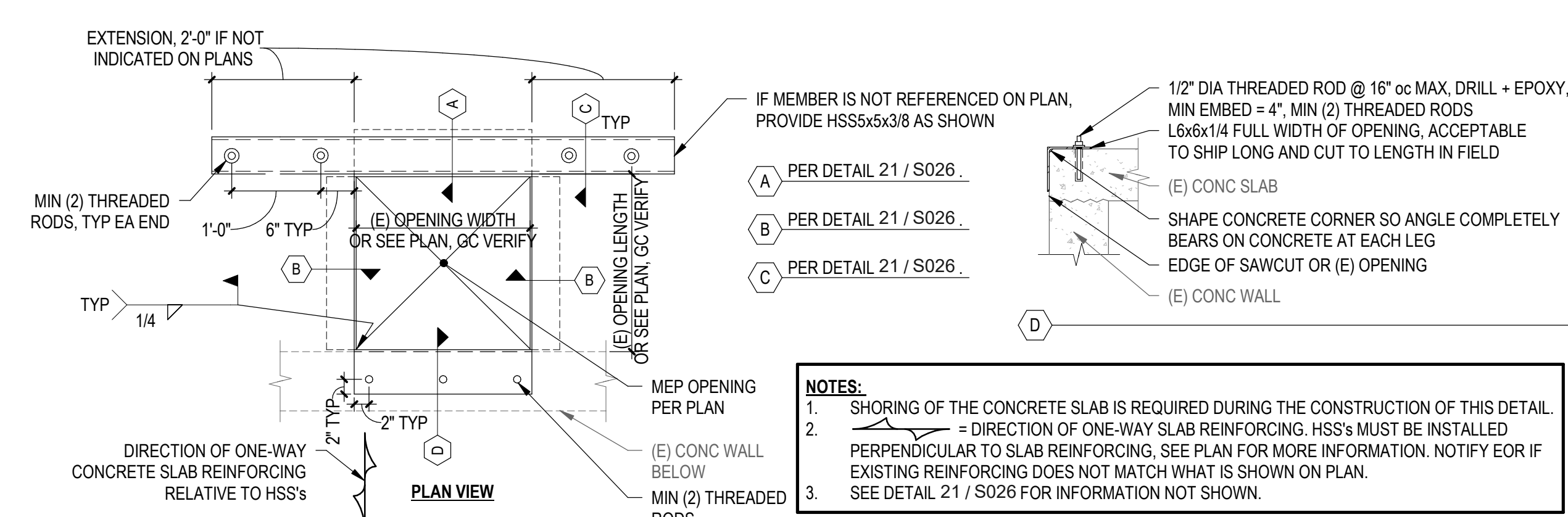
3 BUILDING 1 GYM DIVIDER CURTAIN
SCALE: 1" = 1'-0"



4 TYPICAL MECH UNIT BUILT-UP CURB
SCALE: 3/4" = 1'-0"



20 SMALL MECH AND ELECT PENETRATIONS AT EXISTING CONCRETE ELEVATED SLABS
SCALE: 3/4" = 1'-0"

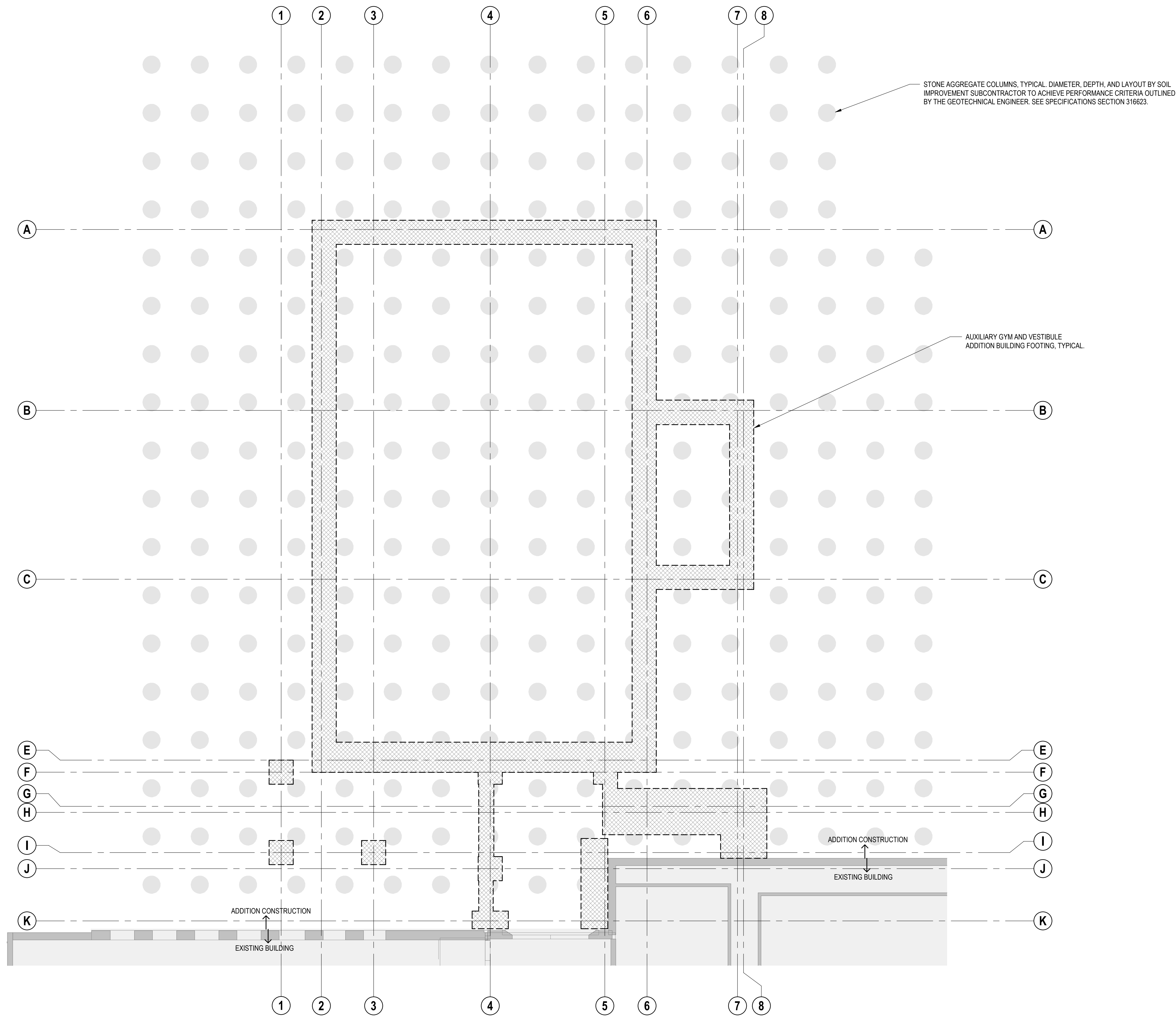


10 MEP OPENING REINFORCING AT CONCRETE SLAB NEAR WALL
SCALE: 3/4" = 1'-0"

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	AM
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#	Date Description

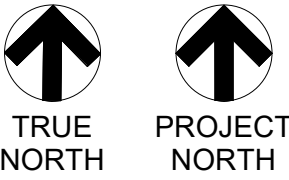
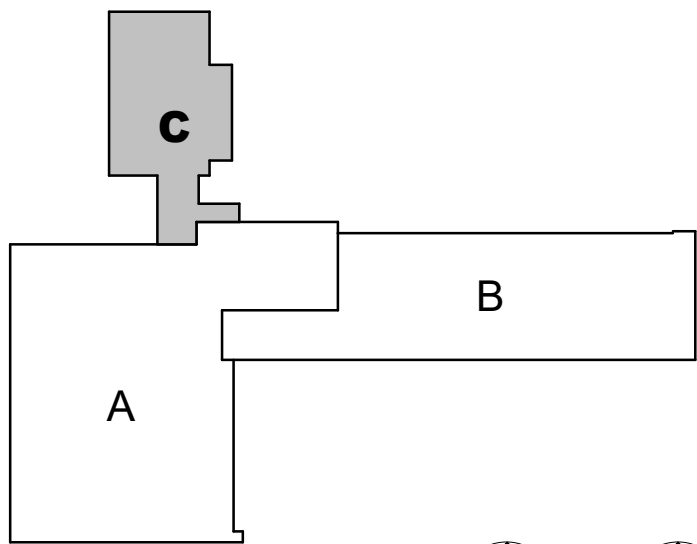
TYPICAL COORDINATION DETAILS

S027



SOIL IMPROVEMENT PLAN - ADDITION AREA C - AUXILIARY GYM

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



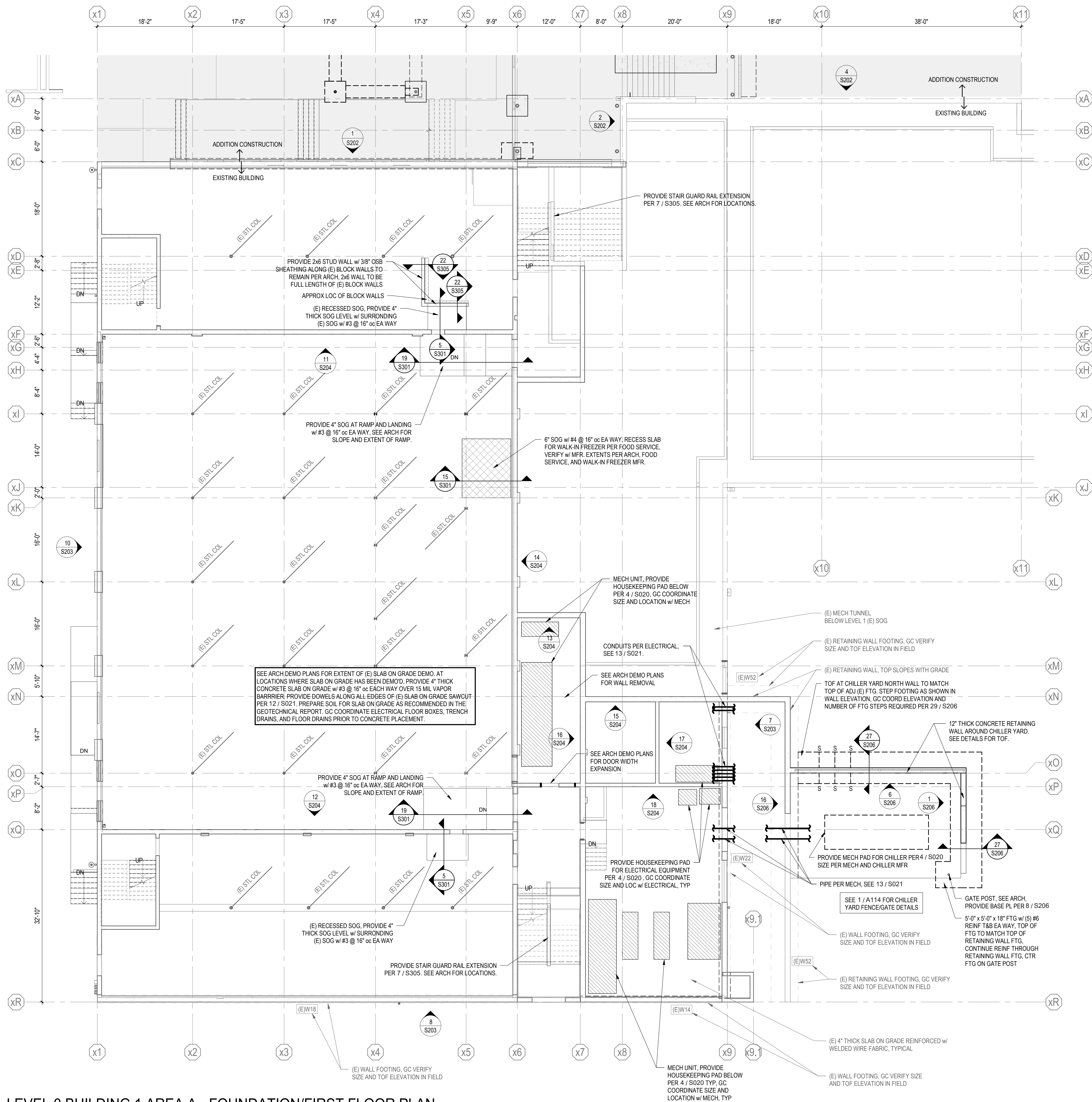
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
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500 REDPATH ST, KELSO, WA 98626

Date: 05/28/2021
Job No.: 21938.00
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Revisions	
#	Description

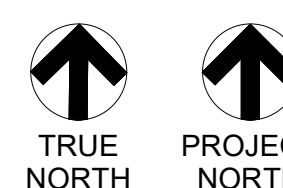
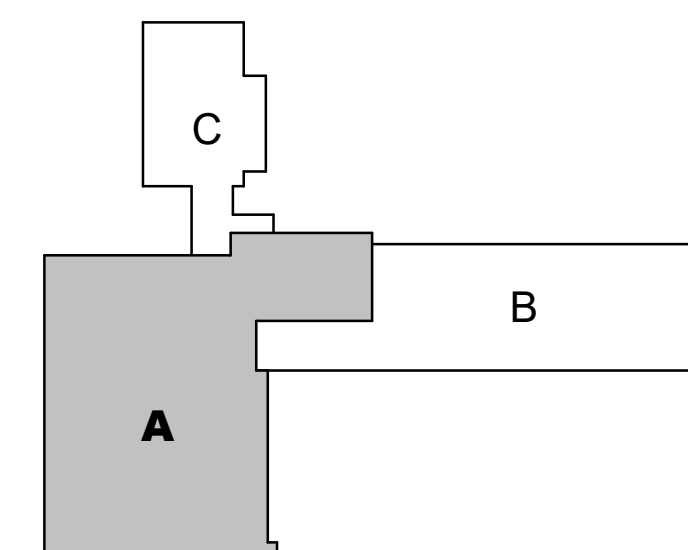
SOIL
IMPROVEMENT
PLAN - ADDITION
AREA C -
AUXILIARY GYM

S100.0C



LEVEL 0 BUILDING 1 AREA A - FOUNDATION/FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

- BUILDING 1 FOUNDATION/FIRST FLOOR PLAN NOTES:**
- BENCHMARK ELEVATION 106-6 1/2" EQUALS SURVEY ELEVATION 33.25'
 - SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
 - SEE SHEETS S020-S027 FOR TYPICAL DETAILS.
 - VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN THE FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
 - FOR TYPICAL SLAB-ON-GRADE DETAILS, SEE SHEET S020.
 - SEE GEOTECHNICAL REPORT BY PBS, PROJECT #73400.004, DATED JULY 7, 2020, AND ADDENDUM 1 DATED APRIL 2, 2021, FOR REQUIREMENTS OF SUITABLE BEARING SOILS. REFER TO GENERAL STRUCTURAL NOTES FOR REQUIRED INSPECTIONS AND SUBMITTALS.
 - WHERE TOP OF SUITABLE BEARING SOILS IS BELOW FOOTING AND/OR SLAB BEARING ELEVATIONS, PROVIDE STRUCTURAL FILL ACCORDING TO FOUNDATION AND SLAB UNDERLAYMENT DETAIL.
 - APPLY COAL TAR EPOXY TO ALL STRUCTURAL STEEL SURFACES, INCLUDING ANCHOR BOLTS, EXPOSED TO SOIL IN THE FINISHED CONDITION.
 - GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
 - HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
 - (E) = EXISTING
 - ALL POSTS BEAR AT TOP OF SLAB OR TOP OF EXISTING STRUCTURE BELOW. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.



**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

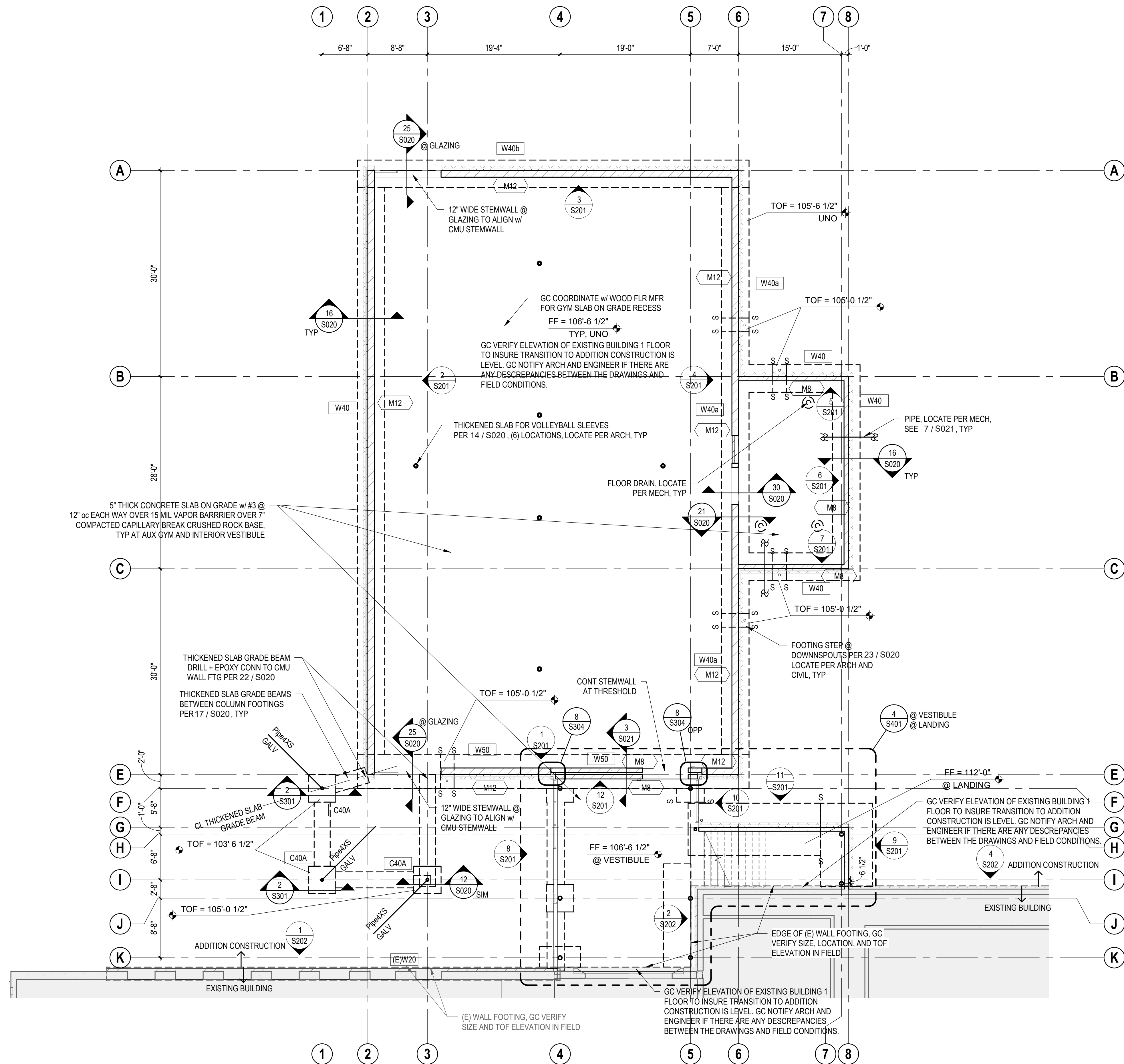
500 REDPATH ST, KELSO, WA 98626

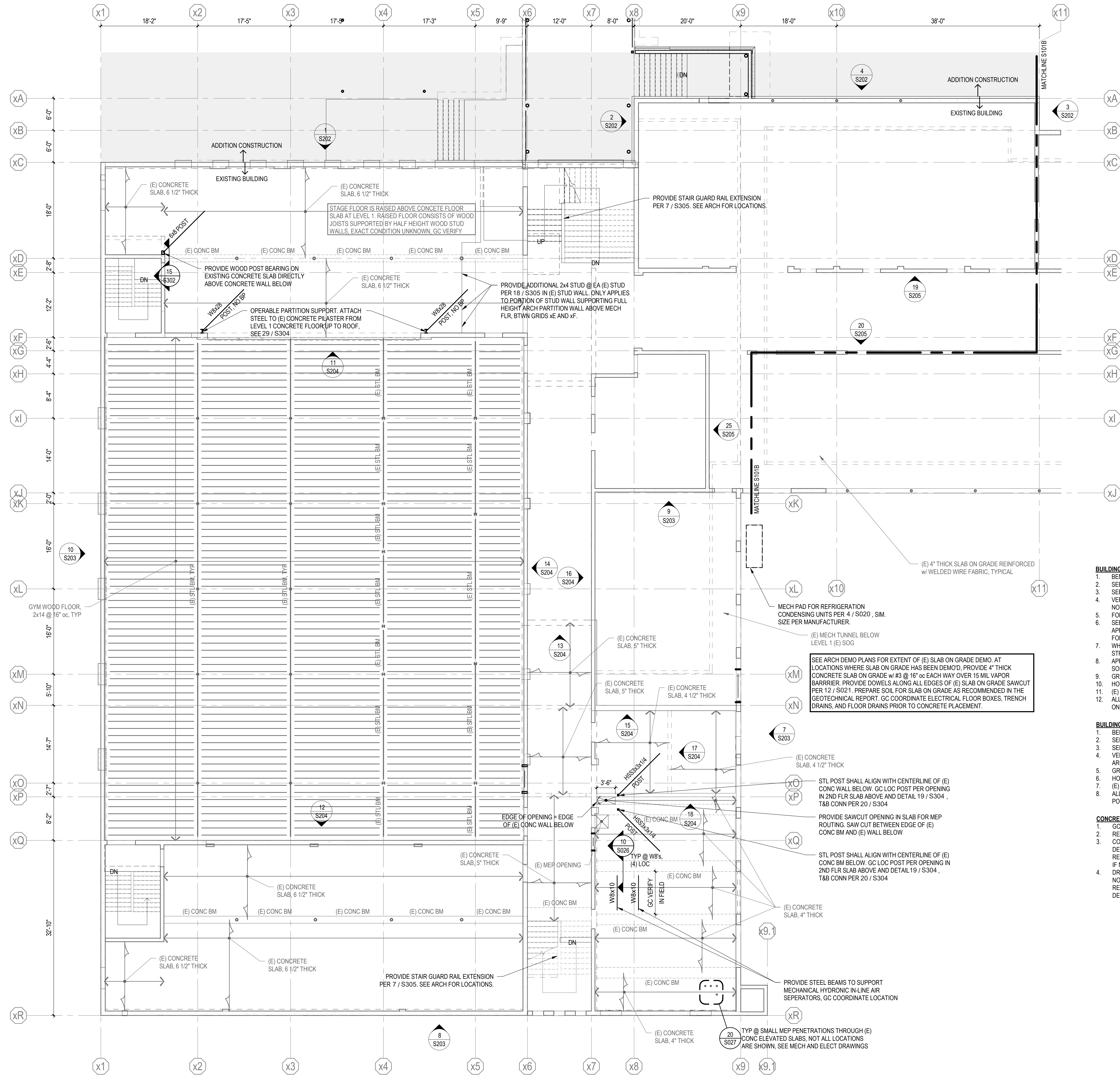
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LEVEL 0
BUILDING 1
AREA A -
FOUNDATION/FIRST
FLOOR PLAN

S100A

BID SET

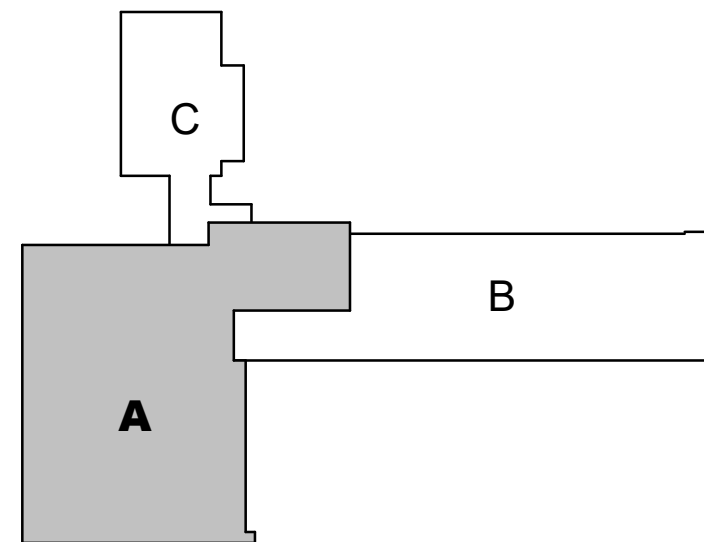




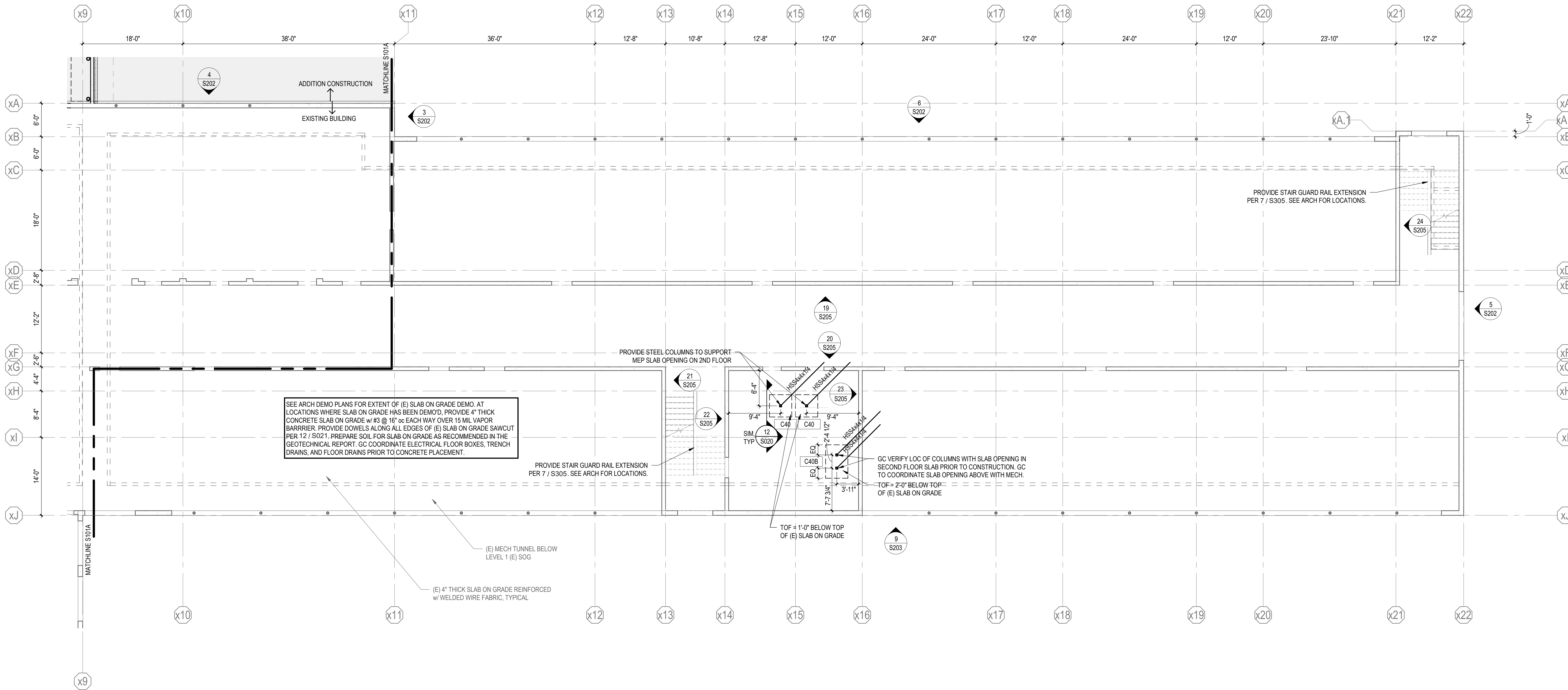
- BUILDING 1 FOUNDATION/FIRST FLOOR PLAN NOTES:**
1. BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'.
 2. SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
 3. SEE SHEETS S020-S027 FOR TYPICAL DETAILS.
 4. VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN THE FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
 5. FOR TYPICAL SLAB-ON-GRADE DETAILS, SEE SHEET S020.
 6. SEE GEOTECHNICAL REPORT BY PBS, PROJECT #73400.004, DATED JULY 7, 2020, AND ADDENDUM 1 DATED APRIL 2, 2021, FOR REQUIREMENTS OF SUITABLE BEARING SOILS. REFER TO GENERAL STRUCTURAL NOTES FOR REQUIRED INSPECTIONS AND SUBMITTALS.
 7. WHERE TOP OF SUITABLE BEARING SOILS IS BELOW FOOTING AND/OR SLAB BEARING ELEVATIONS, PROVIDE STRUCTURAL FILL ACCORDING TO FOUNDATION AND SLAB UNDERLAYMENT DETAIL.
 8. APPLY COAL TAR EPOXY TO ALL STRUCTURAL STEEL SURFACES, INCLUDING ANCHOR BOLTS, EXPOSED TO SOIL IN THE FINISHED CONDITION.
 9. GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
 10. HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
 11. (E) = EXISTING
 12. ALL POSTS BEAR AT TOP OF SLAB OR TOP OF EXISTING STRUCTURE BELOW. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.

- BUILDING 1 FLOOR AND ROOF PLAN NOTES:**
1. BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'.
 2. SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
 3. SEE SHEETS S020-S027 FOR TYPICAL DETAILS.
 4. VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
 5. GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
 6. HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
 7. (E) = EXISTING
 8. ALL POSTS BEAR AT TOP OF SLAB OR TOP OF EXISTING STRUCTURE BELOW. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.

- CONCRETE SLAB NOTES**
1. GC VERIFY ALL SLAB THICKNESSES IN FIELD.
 2. REFERENCE 1951 DRAWINGS FOR SLAB REINFORCING SIZE AND SPACING.
 3. CONCRETE SLAB DEMO IS ONLY ALLOWED AT LOCATIONS NOTED ON PLAN OR DETAILS. EOR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SEE DETAILS FOR SHORING REQUIREMENTS. SHORING IS REQUIRED IF NOTED IN DETAILS.
 4. DRILLING OR CUTTING THROUGH STEEL REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING OR CORE DRILLING WHEN INDICATED IN DETAILS.



LEVEL 1 BUILDING 1 AREA A - FRAMING PLAN
SCALE: 1/8" = 1'-0"



LEVEL 1 BUILDING 1 AREA B - FOUNDATION/FIRST FLOOR FRAMING PLAN

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

STEEL COLUMNS AND POSTS:

- ALL COLUMNS BEAR AT TOP OF FOOTING OR TOP OF PIER. VERTICAL STEEL ELEMENTS SHOWN IN PLAN ARE 'COLUMNS', UNLESS NOTED OTHERWISE.
- COLUMNS ARE CENTERED AT GRIDLINE INTERSECTIONS. UNLESS NOTED OTHERWISE.
- ALL POSTS BEAR AT TOP OF SLAB OR STEM WALL. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.
- SEE THE FOLLOWING DETAILS FOR ADDITIONAL INFORMATION:

COLUMN BASE PLATE:



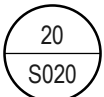
POST BASE PLATE:



COLUMN FOOTING:



COLUMN POUR BACK:



FOOTING SCHEDULE - COLUMN

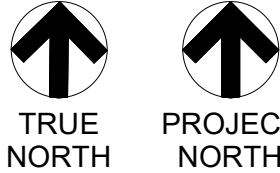
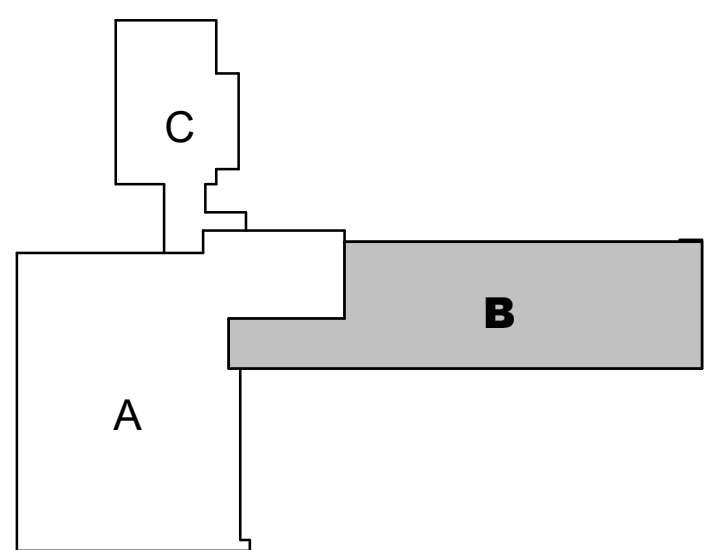
MARK	SIZE			REINFORCING (BOTTOM UNO)
	WIDTH	LENGTH	DEPTH	
C40	4'-0"	4'-0"	12"	(4) #5 EACH WAY
C40A	4'-0"	4'-0"	24"	(4) #5 EACH WAY T&B
C40B	4'-0"	6'-0"	12"	(4) #5 LONG w/ (6) #5 TRANS

CONCRETE SLAB NOTES

- GC VERIFY ALL SLAB THICKNESSES IN FIELD.
- REFERENCE 1951 DRAWINGS FOR SLAB REINFORCING SIZE AND SPACING.
- CONCRETE SLAB DEMO IS ONLY ALLOWED AT LOCATIONS NOTED ON PLAN OR DETAILS. EOR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SEE DETAILS FOR SHORING REQUIREMENTS. SHORING IS REQUIRED IF NOTED IN DETAILS.
- DRILLING OR CUTTING THROUGH STEEL REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING OR CORE DRILLING WHEN INDICATED IN DETAILS.

BUILDING 1 FOUNDATION/FIRST FLOOR PLAN NOTES:

- BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'.
- SEE SHEETS S1001-S1003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
- SEE SHEETS S1020-S1027 FOR TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN THE FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- FOR TYPICAL SLAB-ON-GRADE DETAILS, SEE SHEET S1020.
- SEE GEOTECHNICAL REPORT BY PBS, PROJECT #73400.004, DATED JULY 7, 2020, AND ADDENDUM 1 DATED APRIL 2, 2021, FOR REQUIREMENTS OF SUITABLE BEARING SOILS. REFER TO GENERAL STRUCTURAL NOTES FOR REQUIRED INSPECTIONS AND SUBMITTALS.
- WHERE TOP OF SUITABLE BEARING SOILS IS BELOW FOOTING AND/OR SLAB BEARING ELEVATIONS, PROVIDE STRUCTURAL FILL ACCORDING TO FOUNDATION AND SLAB UNDERLAYMENT DETAIL.
- APPLY COAL TAR EPOXY TO ALL STRUCTURAL STEEL SURFACES, INCLUDING ANCHOR BOLTS, EXPOSED TO SOIL IN THE FINISHED CONDITION.
- GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
- HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
- (E) = EXISTING
- ALL POSTS BEAR AT TOP OF SLAB OR TOP OF EXISTING STRUCTURE BELOW. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.



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Drawn By: AM
Checked by: TD

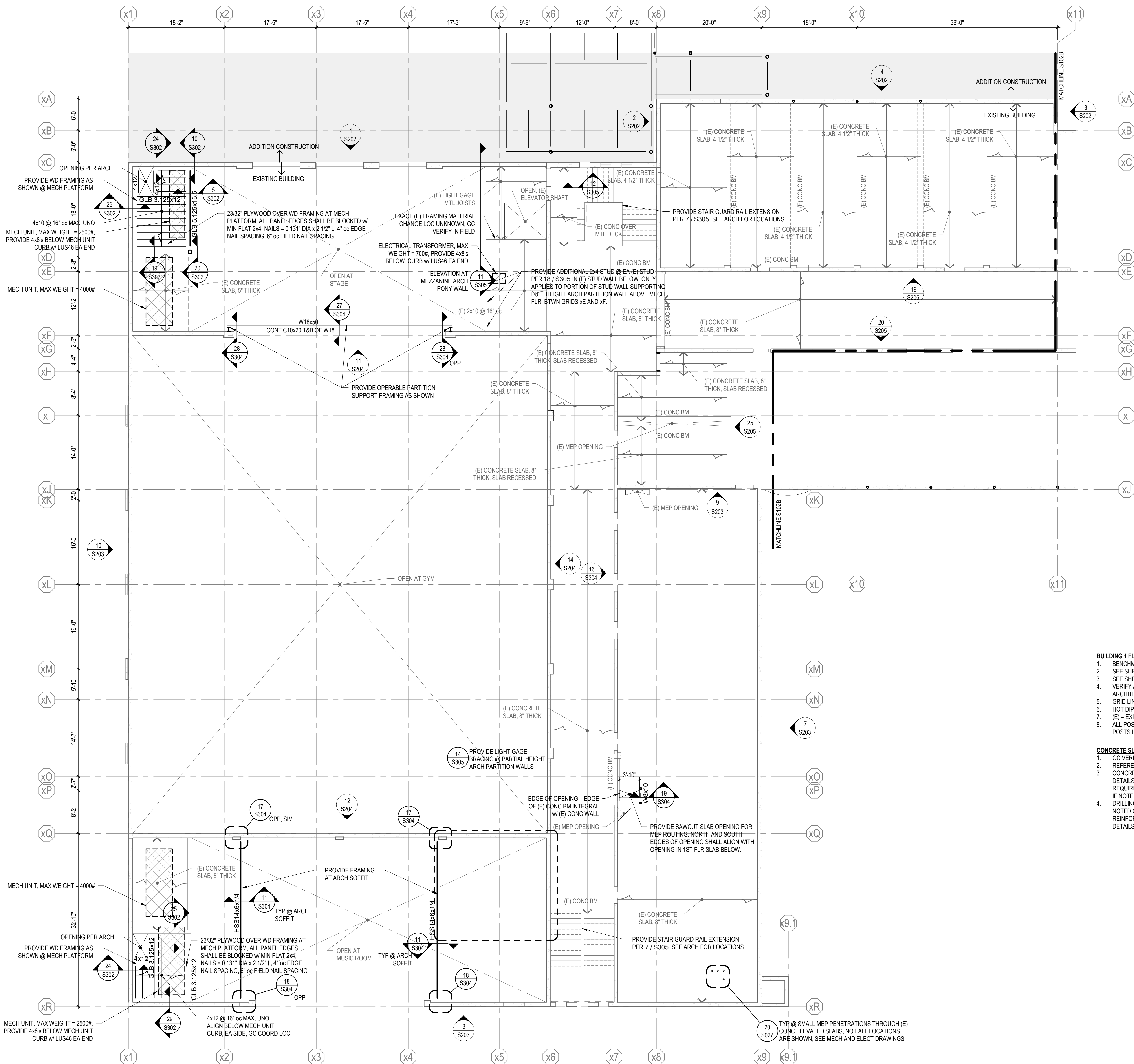
Revisions	
#	Description

LEVEL 1
BUILDING 1
AREA B -
FOUNDATION/FIRST
FLOOR PLAN

S101B

BID SET





LEVEL 2 BUILDING 1 AREA A - FRAMING PLAN

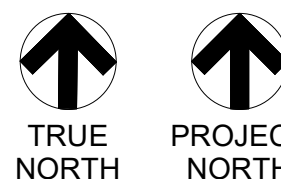
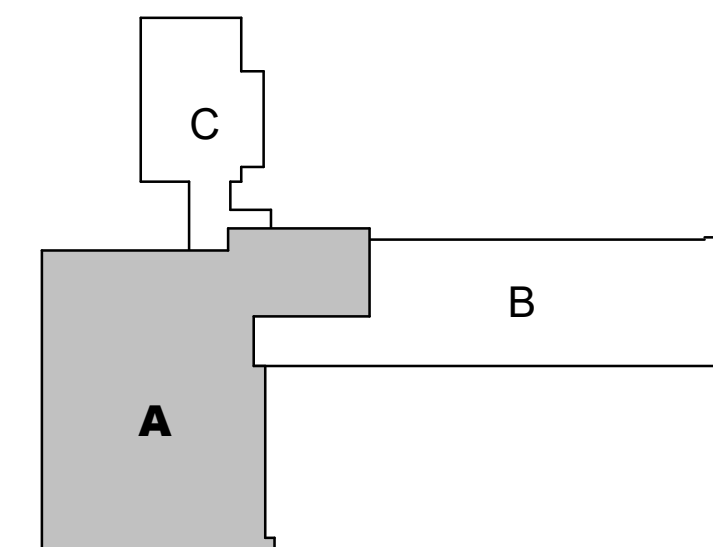
SCALE: 1/8" = 1'-0"

BUILDING 1 FLOOR AND ROOF PLAN NOTES:

- BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'.
- SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
- SEE SHEETS S020-S027 FOR TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
- HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
- (E) = EXISTING
- ALL POSTS BEAR AT TOP OF SLAB OR TOP OF EXISTING STRUCTURE BELOW. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.

CONCRETE SLAB NOTES

- GC VERIFY ALL SLAB THICKNESSES IN FIELD.
- REFERENCE 1951 DRAWINGS FOR SLAB REINFORCING SIZE AND SPACING.
- CONCRETE SLAB DEMO IS ONLY ALLOWED AT LOCATIONS NOTED ON PLAN OR DETAILS. FOR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SEE DETAILS FOR SHORING REQUIREMENTS. SHORING IS REQUIRED IF NOTED IN DETAILS.
- DRILLING OR CUTTING THROUGH STEEL REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING OR CORE DRILLING WHEN INDICATED IN DETAILS.



KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

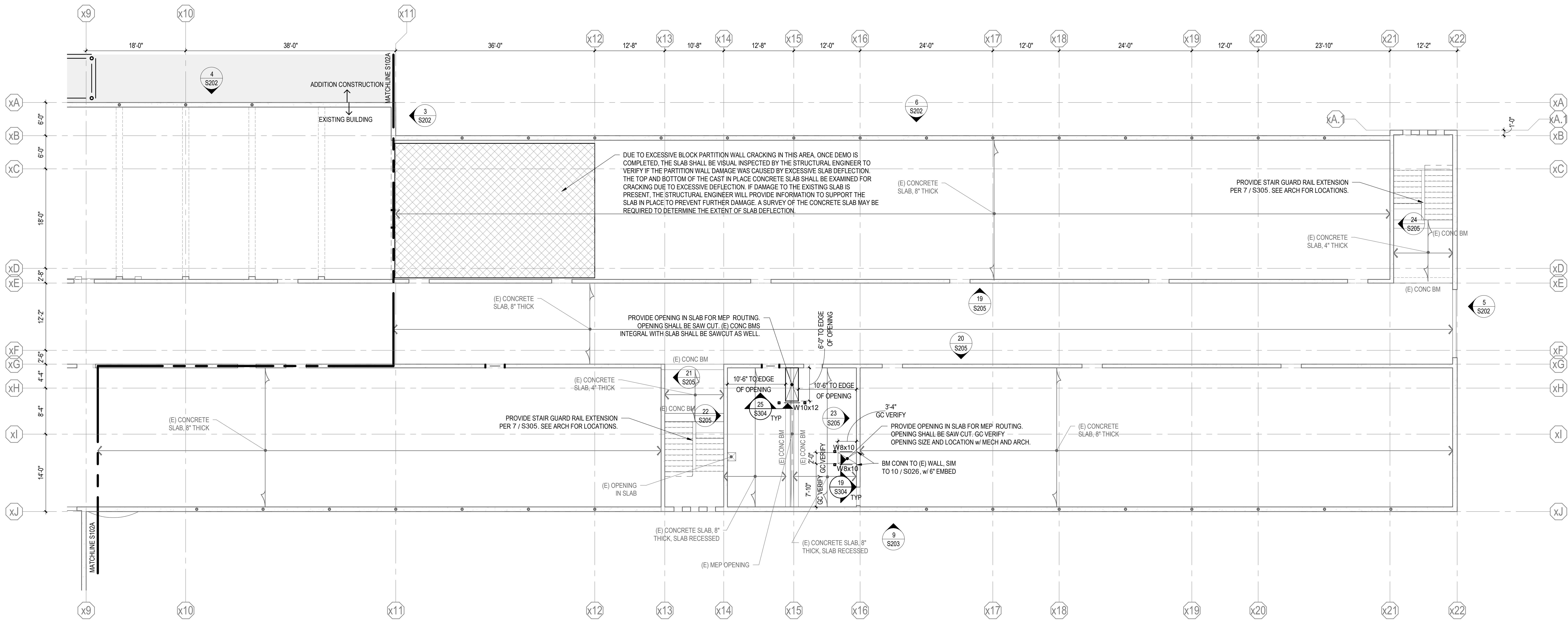
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	AM	
Checked by:	TD	
Revisions		
#	Date	Description

LEVEL 2
BUILDING 1
AREA A -
FRAMING PLAN

S102A

BID SET



LEVEL 2 BUILDING 1 AREA B - FRAMING PLAN

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

TYPICAL STEEL FRAMING CONNECTIONS NOTES:

- BEAMS SPANNING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS/JOISTS ARE DESIGNATED AS GIRDERS. GIRDERS ARE TO HAVE A THRU-PLATE CONNECTION PER THE TYPICAL STEEL BEAM TO COLUMN CONNECTION DETAIL.
- BEAMS/GIRDERS MARKED WITH (c) ARE SEISMIC COLLECTORS. THESE BEAMS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM. METAL ROOF DECK SHALL BE ATTACHED TO (c) MEMBERS WITH EDGE FASTENER SPACING PER 1 / S022.

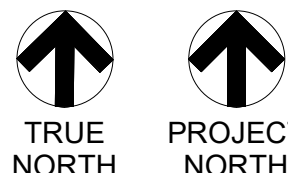
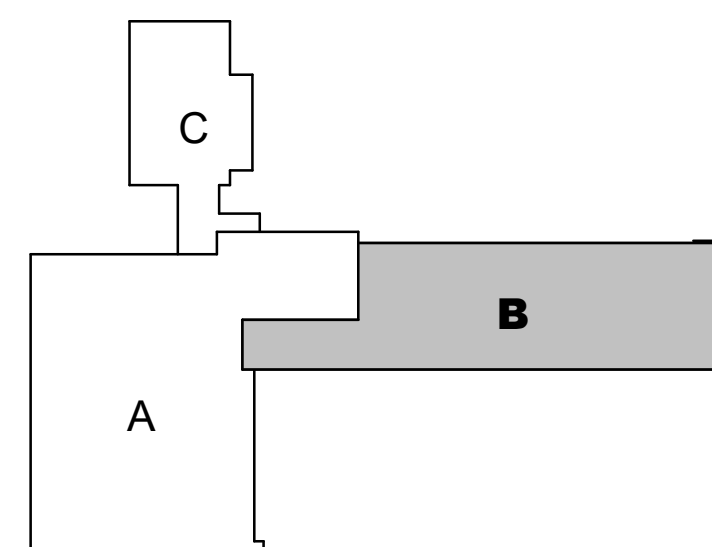
TYPICAL BEAM BOLTED CONNECTION:	COLLECTOR BEAMS (c) TO BEAMS:	COLLECTOR BEAMS (c) TO COLUMNS:	TYPICAL BEAM TO COLUMN:	TYPICAL COLUMN CLOSURE PLATE:

CONCRETE SLAB NOTES

- GC VERIFY ALL SLAB THICKNESSES IN FIELD.
- REFERENCE 1951 DRAWINGS FOR SLAB REINFORCING SIZE AND SPACING.
- CONCRETE SLAB DEMO IS ONLY ALLOWED AT LOCATIONS NOTED ON PLAN OR DETAILS. EOR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SEE DETAILS FOR SHORING REQUIREMENTS. SHORING IS REQUIRED IF NOTED IN DETAILS.
- DRILLING OR CUTTING THROUGH STEEL REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING OR CORE DRILLING WHEN INDICATED IN DETAILS.

BUILDING 1 FLOOR AND ROOF PLAN NOTES:

- BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'.
- SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
- SEE SHEETS S020-S027 FOR TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
- HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
- (E) = EXISTING
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**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

500 REDPATH ST, KELSO, WA 98626

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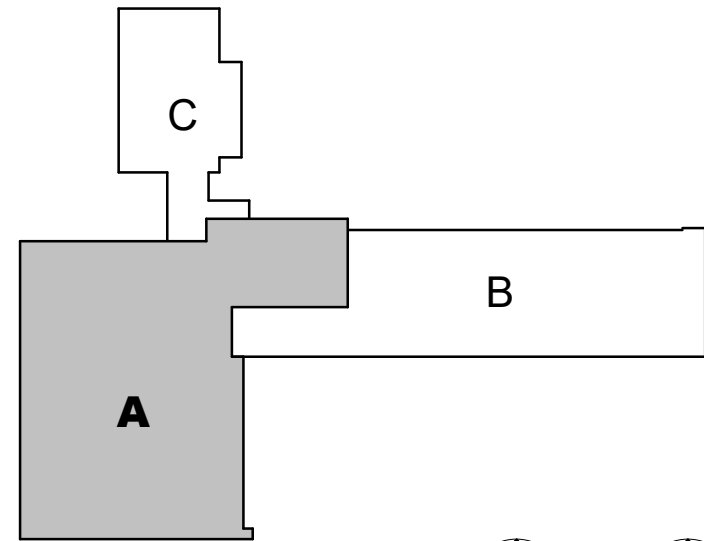
Revisions	
#	Description

LEVEL 2
BUILDING 1
AREA B -
FRAMING PLAN

S102B

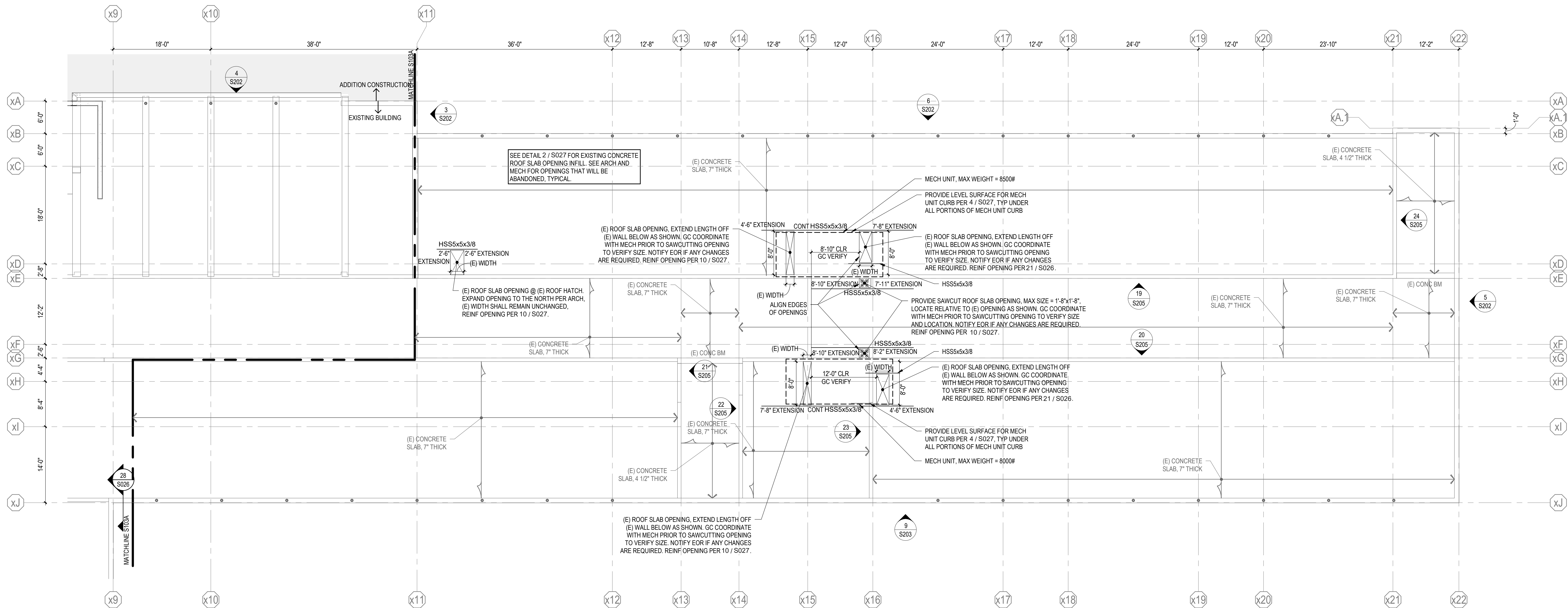
BID SET





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

S103A



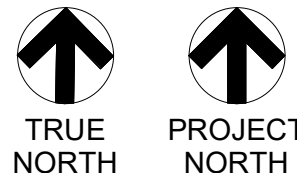
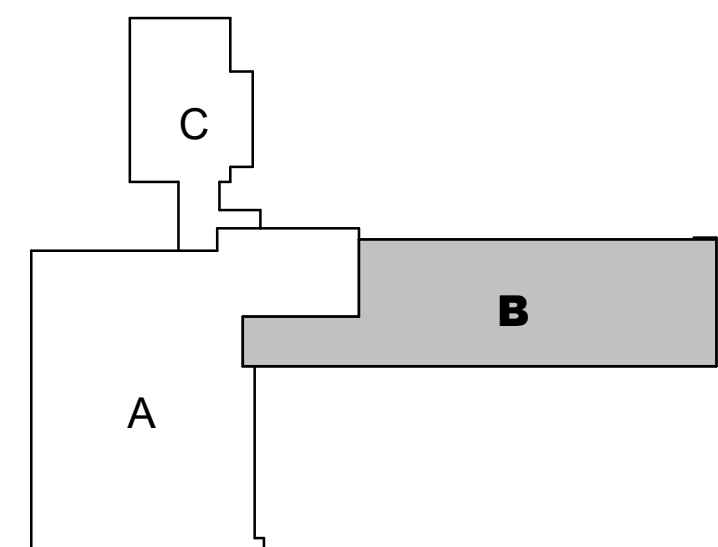
ROOF BUILDING 1 AREA B - ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

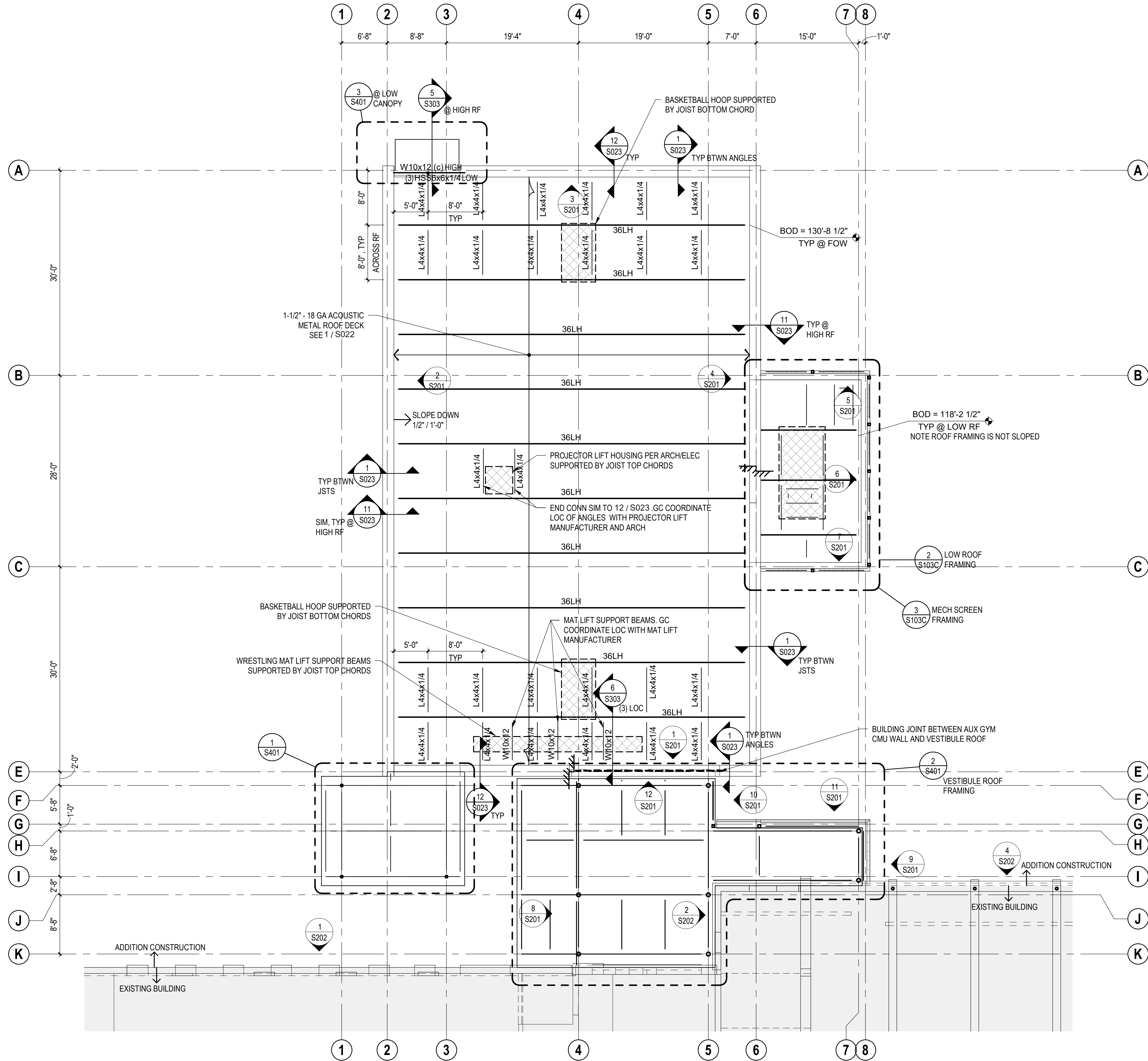
CONCRETE SLAB NOTES

- GC VERIFY ALL SLAB THICKNESSES IN FIELD.
- REFERENCE 1951 DRAWINGS FOR SLAB REINFORCING SIZE AND SPACING.
- CONCRETE SLAB DEMO IS ONLY ALLOWED AT LOCATIONS NOTED ON PLAN OR DETAILS. EOR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SEE DETAILS FOR SHORING REQUIREMENTS. SHORING IS REQUIRED IF NOTED IN DETAILS.
- DRILLING OR CUTTING THROUGH STEEL REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING OR CORE DRILLING WHEN INDICATED IN DETAILS.

BUILDING 1 FLOOR AND ROOF PLAN NOTES:

- BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'.
- SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
- SEE SHEETS S020-S027 FOR TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS OF THE EXISTING BUILDING IN FIELD AND WITH THE ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- GRID LINES ARE LOCATED ON THE FACE OF EXISTING CONCRETE WALLS, UNO.
- HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
- (E) = EXISTING
- ALL POSTS BEAR AT TOP OF SLAB OR TOP OF EXISTING STRUCTURE BELOW. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.





1 ROOF ADDITION AREA C - AUXILIARY GYM ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

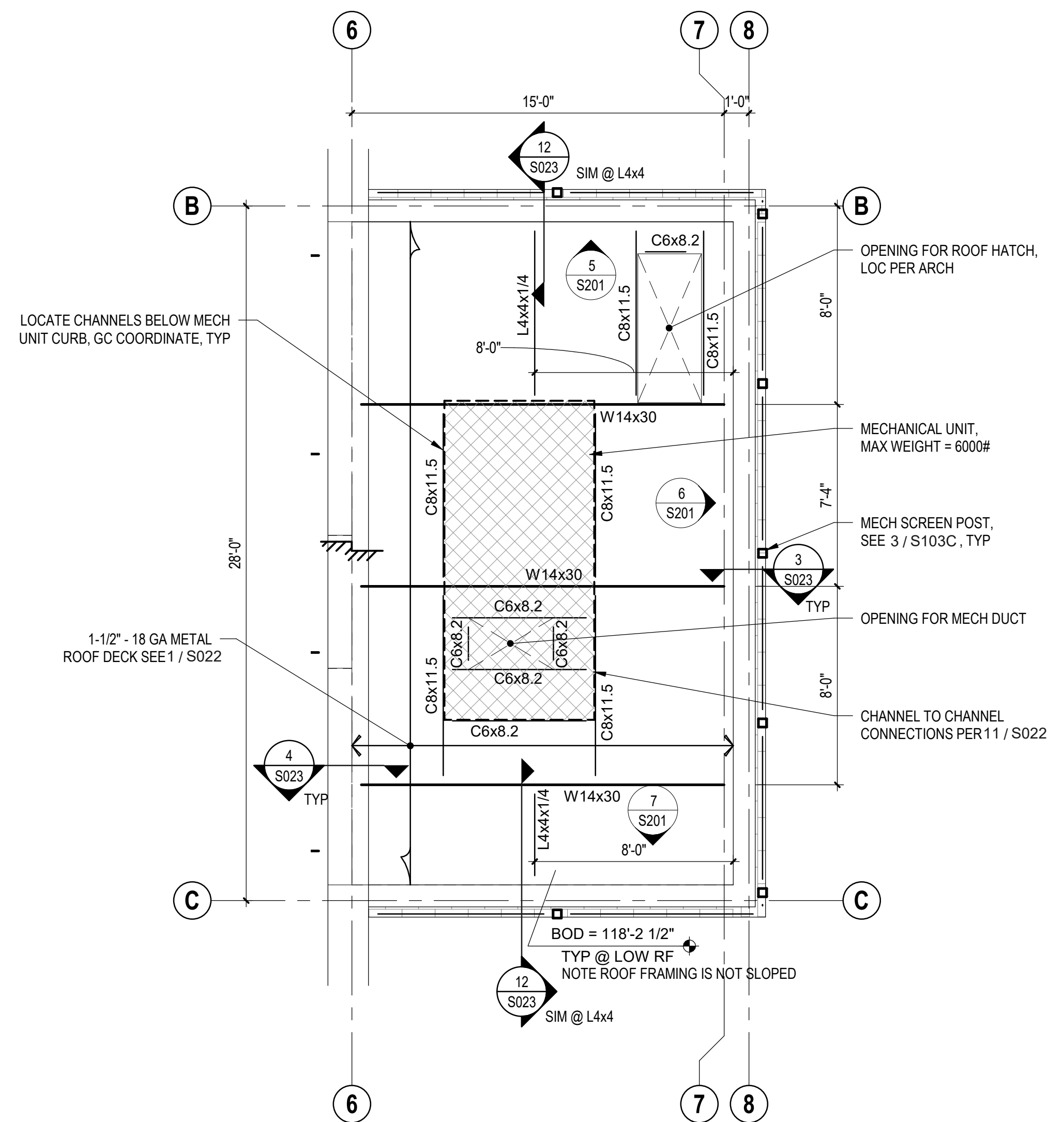
AUXILIARY GYM AND VESTIBULE ROOF FRAMING PLAN NOTES:

- BENCHMARK ELEVATION 106' - 6 1/2" EQUALS SURVEY ELEVATION 33.25'.
- SEE SHEETS S201-S203 FOR GENERAL, STRUCTURAL AND SPECIAL INSPECTION NOTES.
- SEE SHEETS S202-S203 FOR TYPICAL DETAILS.
- SEE SHEET S501 FOR JOIST LOADING DIAGRAM AND LOAD MAPS.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- REPETITIVE FRAMING IS SPACED EQUALLY BETWEEN DIMENSIONED ELEMENTS, WITH THE NUMBER OF EQUAL SPACES GRAPHICALLY INDICATED IN PLAN, UNLESS NOTED OTHERWISE.
- BEAMS FRAMING INTO WALL ENDS AND COLUMNS ARE ALIGNED CENTERLINE TO CENTERLINE WITH THEIR SUPPORTS, UNLESS NOTED OTHERWISE.
- NOT ALL REQUIRED ROOF OPENINGS ARE SHOWN IN PLAN. COORDINATE WITH ARCHITECTURAL DRAWINGS AND MEP SUBCONTRACTORS PRIOR TO ORDERING SHOP DRAWINGS FOR STEEL, JOISTS AND DECK. FRAMING IS REQUIRED AROUND ALL DECK OPENINGS. USE TYPICAL DETAILS IF FRAMING IS NOT SHOWN IN PLAN.
- SEE DETAIL 1 / S022 FOR ROOF DECK ATTACHMENT TO SUPPORTS.
- BOD SHALL BE AS SHOWN ON PLAN. TOP OF STRUCTURAL STEEL = BOT OF DECK, UNO. TOP OF COLUMN = BOD, UNO.
- STEEL MEMBERS DESIGNATED AS (c) ARE COLLECTORS. WELD SHEAR TAB EACH END PER 13 / S022 OR 14 / S022.
- AT ALL EXTERIOR BEAMS AND CHORDS/COLLECTORS (c) PROVIDE FULL HEIGHT SHEAR TABS.
- HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
- AT CANTILEVERS DESIGNATED AS "CANT" ON PLAN, CANTILEVER MEMBER SIZE SHALL MATCH BACKSPAN MEMBER SIZE UNLESS NOTED OTHERWISE.

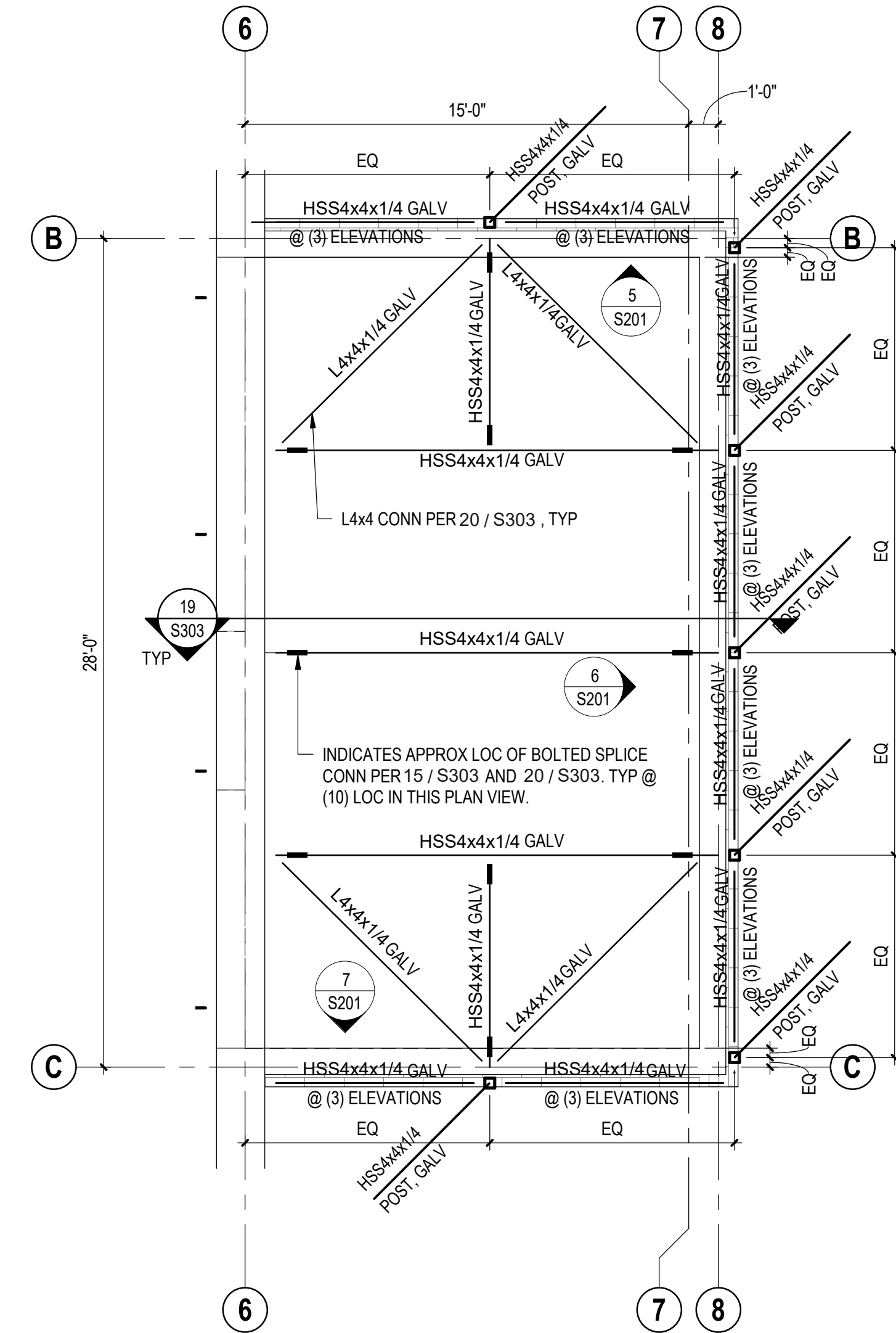
TYPICAL STEEL FRAMING CONNECTIONS NOTES:

- BEAMS SPANNING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS/JOISTS ARE DESIGNATED AS GIRDERS. GIRDERS ARE TO HAVE A THRU-PLATE CONNECTION PER THE TYPICAL STEEL BEAM TO COLUMN CONNECTION DETAIL.
- BEAMS/GIRDERS MARKED WITH (c) ARE SEISMIC COLLECTORS. THESE BEAMS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM. METAL ROOF DECK SHALL BE ATTACHED TO (c) MEMBERS WITH EDGE FASTENER SPACING PER 1 / S022.

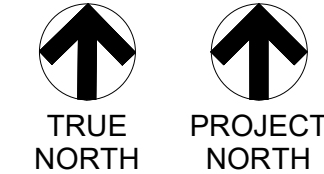
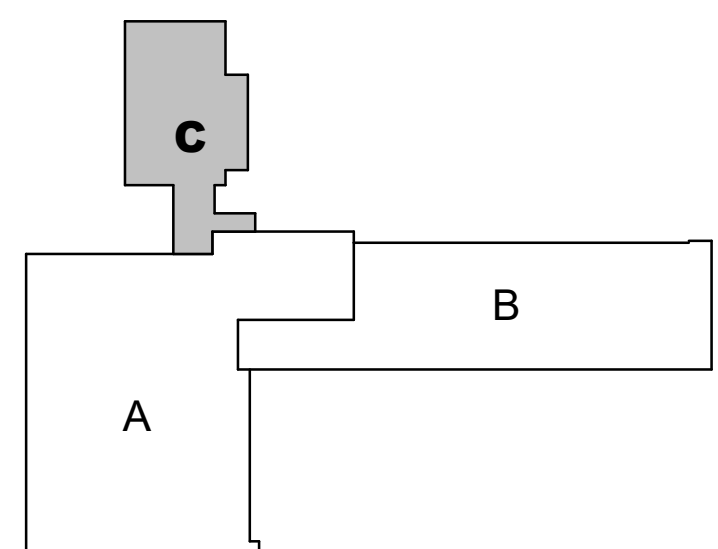
TYPICAL BEAM BOLTED CONNECTION:	COLLECTOR BEAMS (c) TO BEAMS:	COLLECTOR BEAMS (c) TO COLUMNS:	TYPICAL BEAM TO COLUMN:	TYPICAL COLUMN CLOSURE PLATE:
30 S022	13 S022	14 S022	17 S022	3 S022



2 AUXILIARY GYM LOW ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



3 AUXILIARY GYM MECHANICAL SCREEN ENLARGED FRAMING PLAN
SCALE: 1/4" = 1'-0"



**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

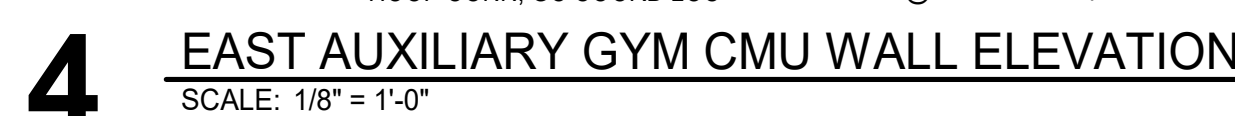
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Job No.:	21938.00	
Drawn By:	AM	
Checked by:	TD	
Revisions		
#	Date	Description

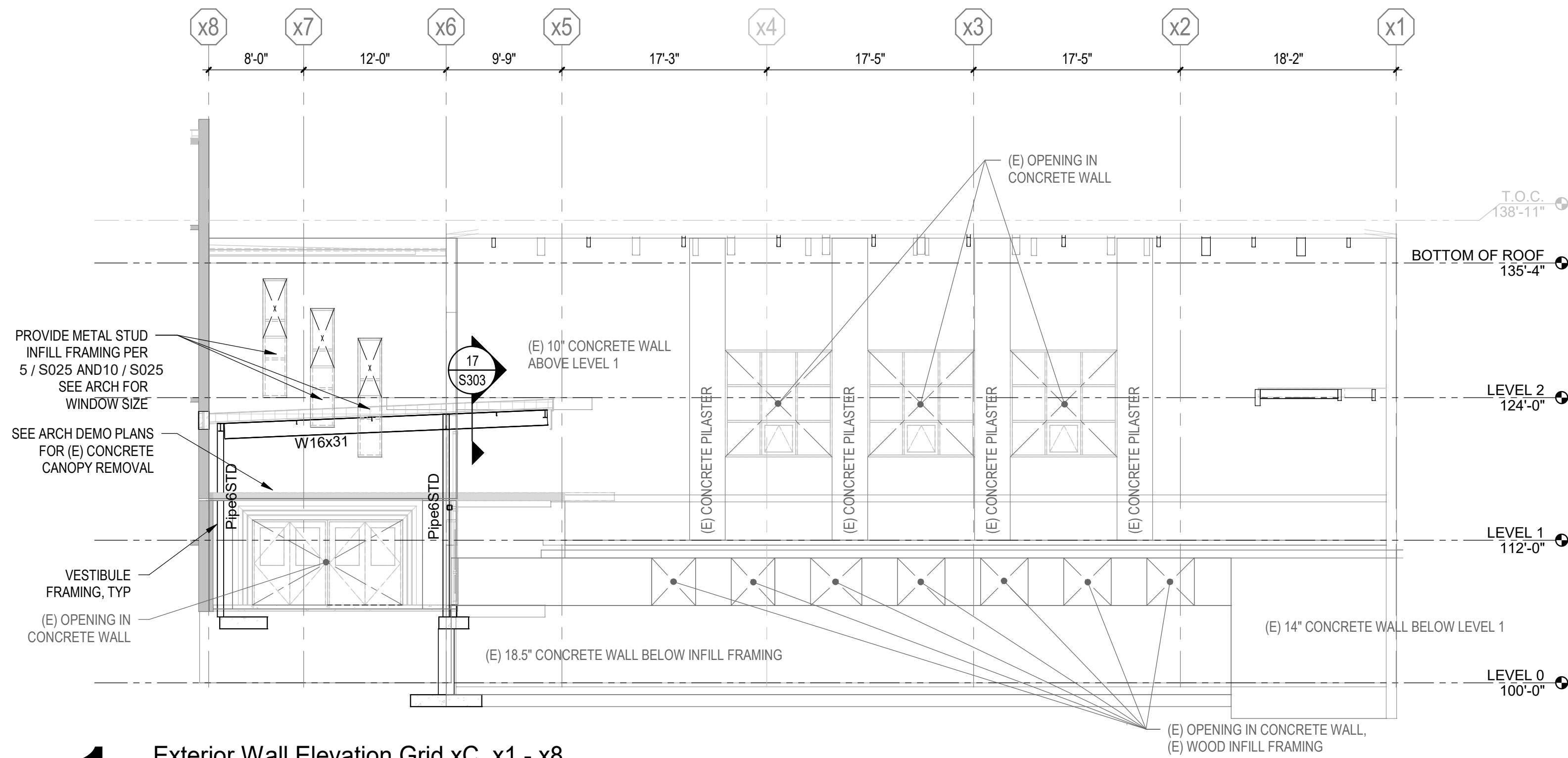
**ROOF ADDITION
AREA C -
AUXILIARY GYM
ROOF FRAMING
PLAN**

S103C

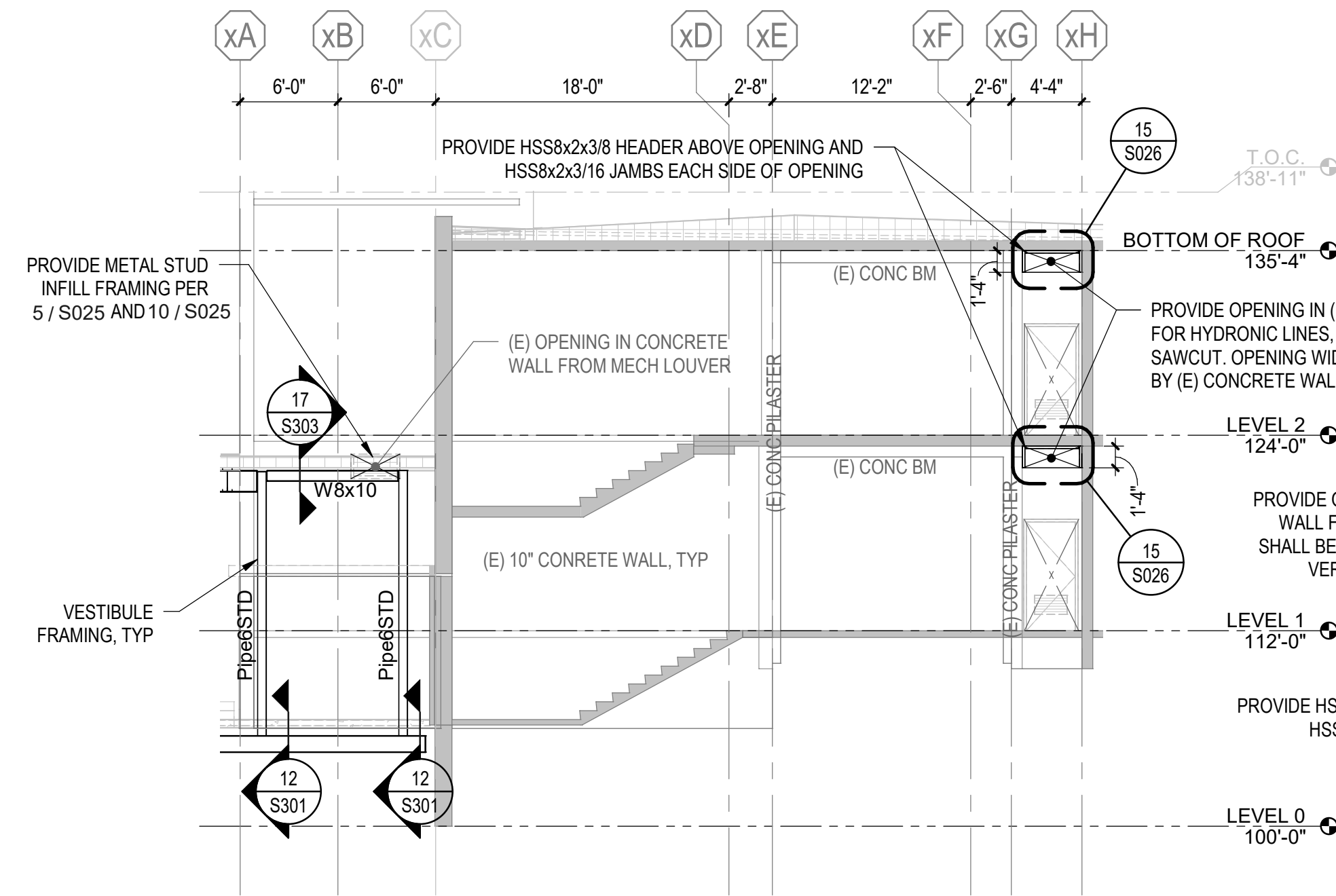
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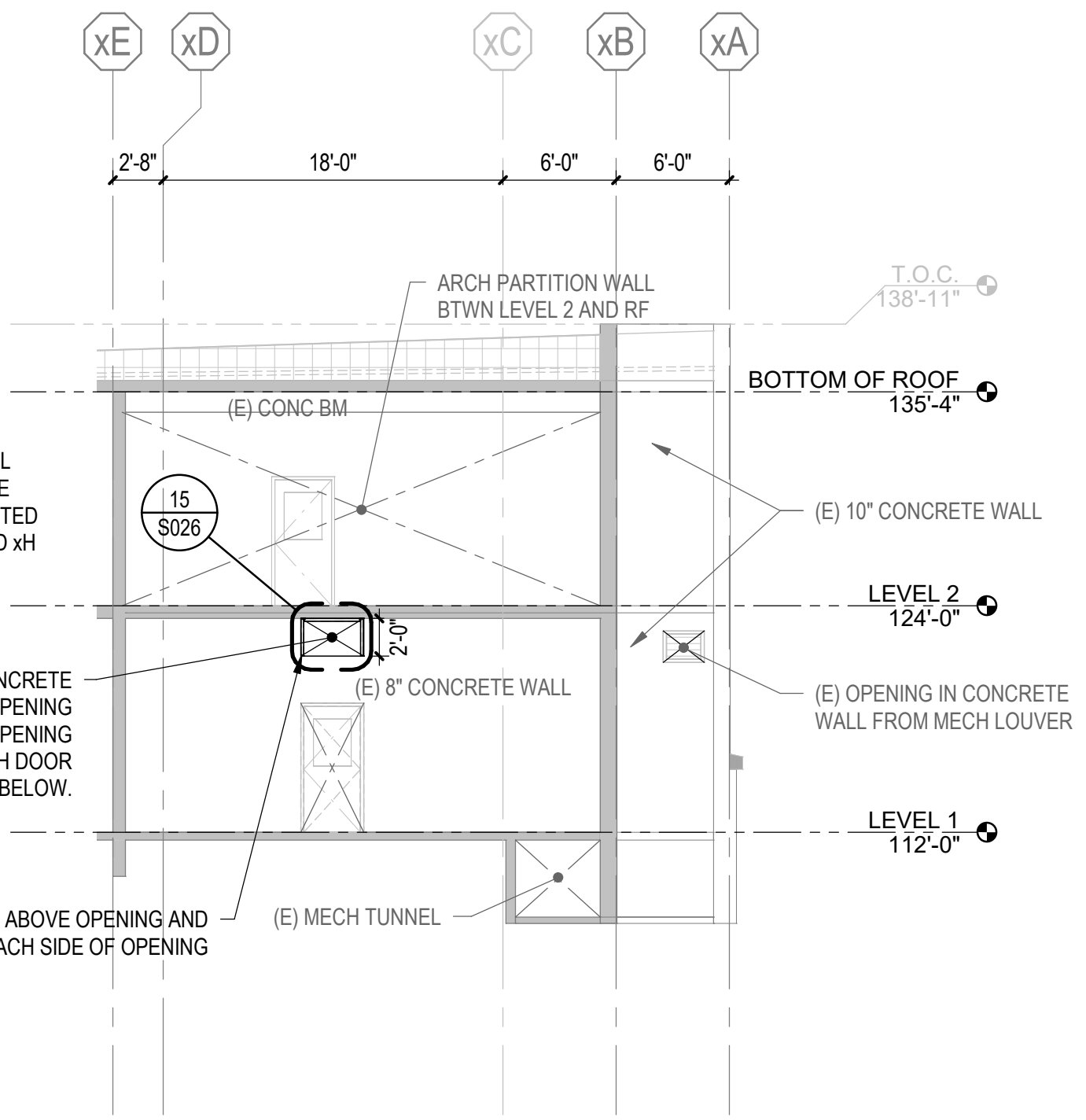




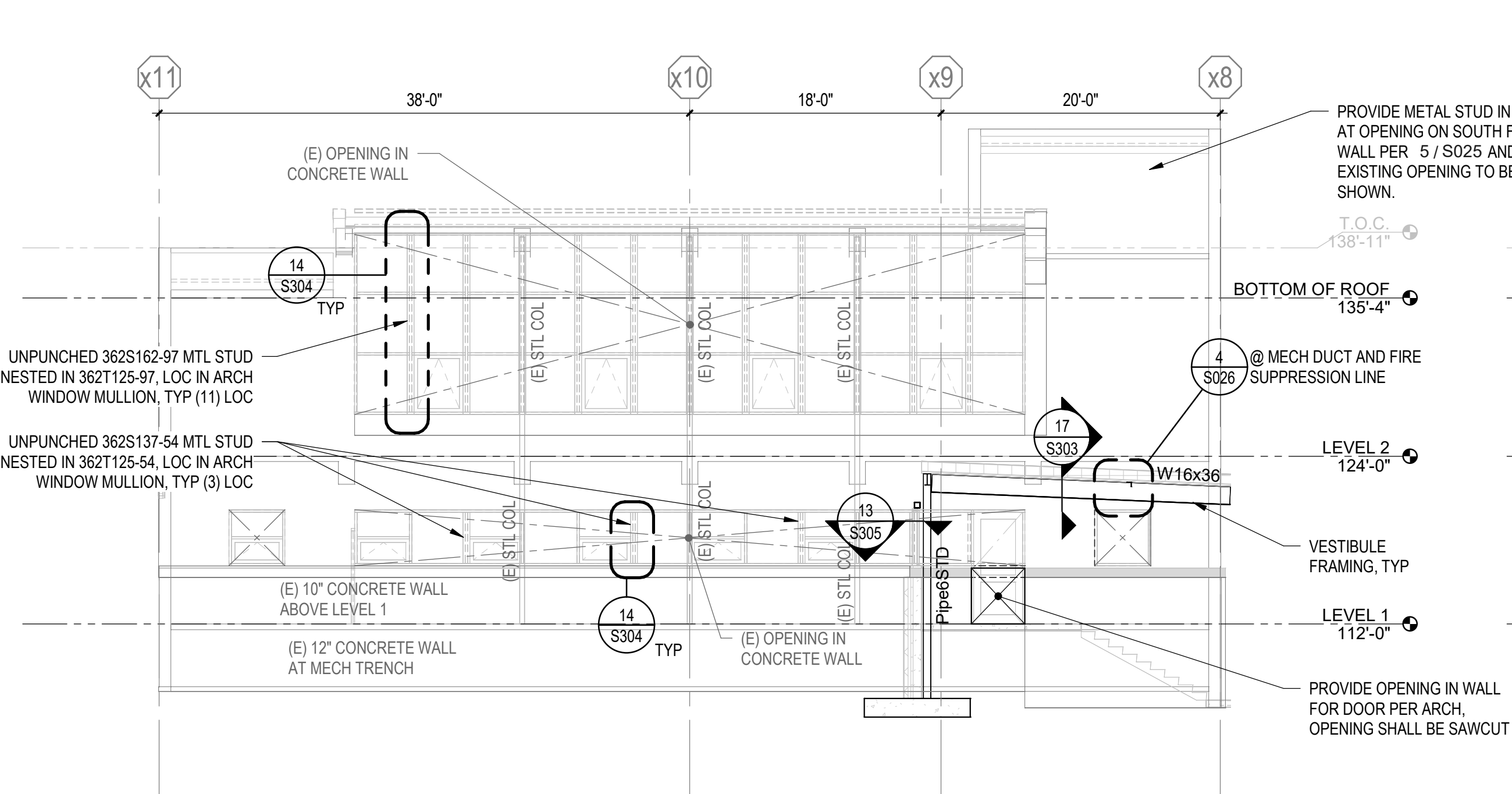
1 Exterior Wall Elevation Grid xC, x1 - x8
SCALE: 1/8" = 1'-0"



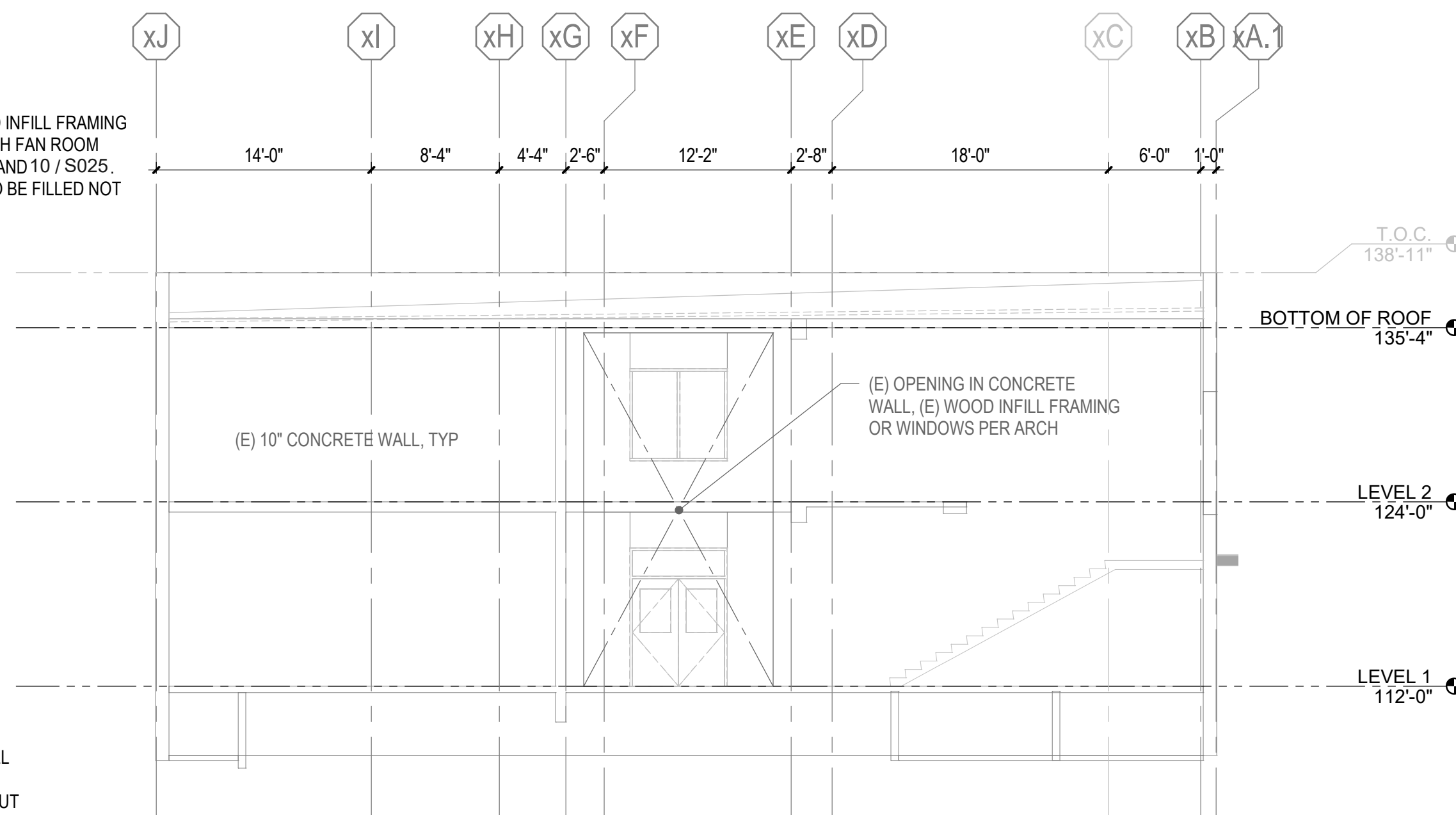
2 Exterior / Interior Wall Elevation Grid x8, xA - xH
SCALE: 1/8" = 1'-0"



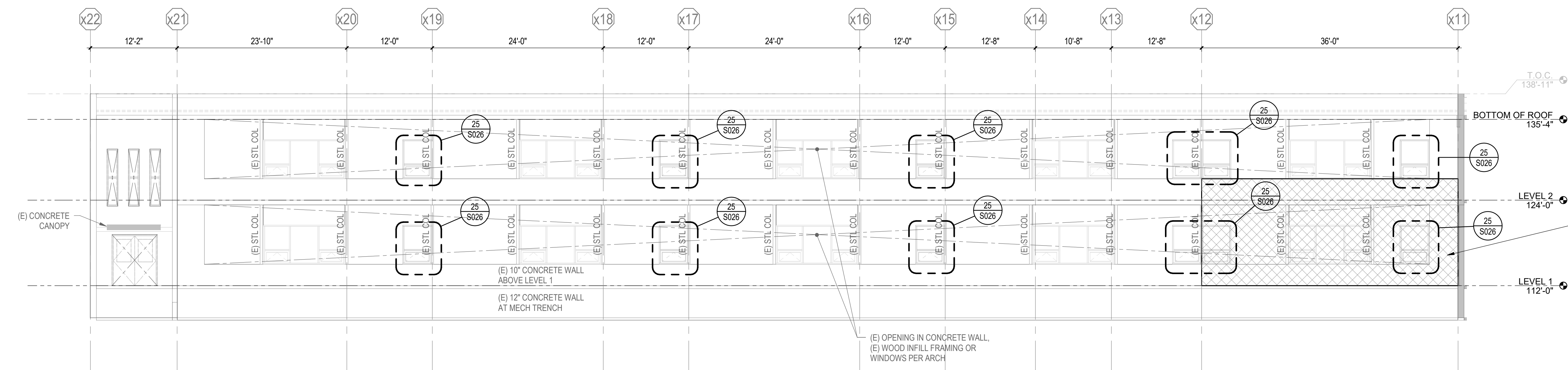
3 Exterior / Interior Wall Elevation Grid x11, xA - xE
SCALE: 1/8" = 1'-0"



4 Exterior Wall Elevation Grid xA, x8 - x11
SCALE: 1/8" = 1'-0"



5 Exterior Wall Elevation Grid x22, xA.1 - xJ
SCALE: 1/8" = 1'-0"



6 Exterior Wall Elevation Grid xA.1/xB, x11 - x22
SCALE: 1/8" = 1'-0"

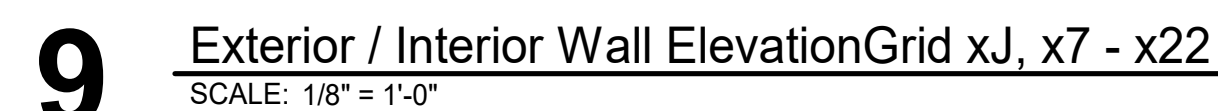
- BUILDING 1 STRUCTURAL WALL ELEVATION NOTES**
1. GC VERIFY ALL WALL THICKNESSES IN FIELD.
 2. REFERENCE 1951 DRAWINGS FOR WALL REINFORCING SIZE AND SPACING.
 3. ADDITIONAL WALL PENETRATIONS ARE ONLY ALLOWED AT LOCATIONS NOTED ON WALL ELEVATIONS. EOR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SHORING IS REQUIRED IF NOTED IN DETAILS.
 4. DRILLING OR CUTTING THROUGH REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING WHEN INDICATED IN DETAILS.

**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
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Drawn By:	AM
Checked by:	TD
Revisions	
#	Date Description

**BUILDING 1
STRUCTURAL
WALL
ELEVATIONS**

S202



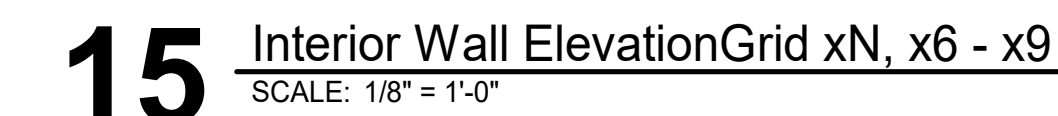
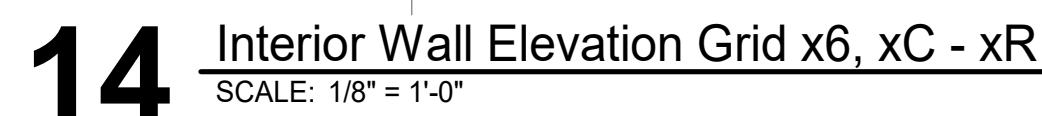
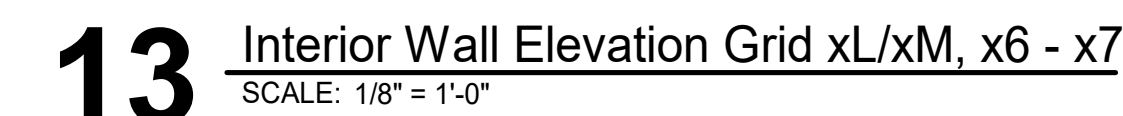
1. GC VERIFY ALL WALL THICKNESSES IN FIELD.
2. REFERENCE 1951 DRAWINGS FOR WALL REINFORCING SIZE AND SPACING.
3. ADDITIONAL WALL PENETRATIONS ARE ONLY ALLOWED AT LOCATIONS NOTED ON WALL ELEVATIONS. OR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SHORING IS REQUIRED IF NOTED IN DETAILS.
4. DRILLING OR CUTTING THROUGH REINFORCING IS ONLY ACCEPTABLE IF NOTED ON PLAN OR DETAILS. X-RAY DEVICE SHALL BE USED TO LOCATE REINFORCING PRIOR TO SAWCUTTING WHEN INDICATED IN DETAILS.

BUILDING 1 STRUCTURAL WALL ELEVATIONS



**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

500 REDPAIHSI, KELSO, WA 98626



BUILDING 1 STRUCTURAL WALL ELEVATION NOTES

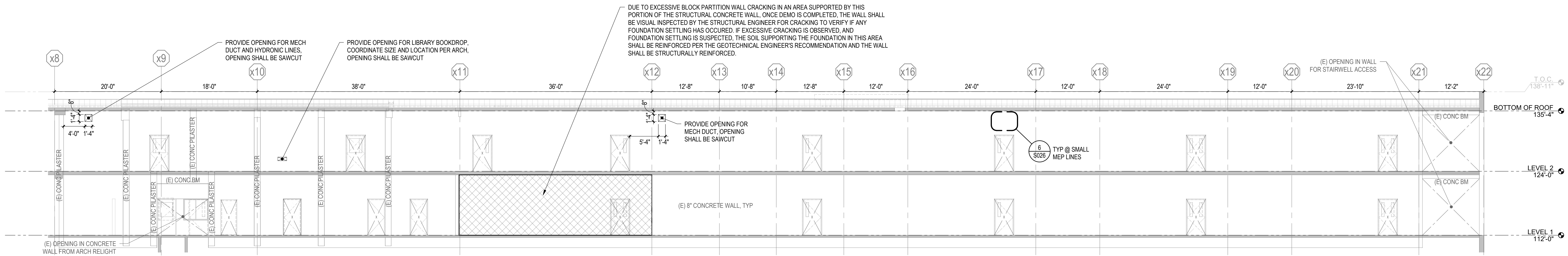
1. GC VERIFY ALL WALL THICKNESSES IN FIELD.
2. REFERENCE 1951 DRAWINGS FOR WALL REINFORCING SIZE AND SPACING.
3. ADDITIONAL WALL PENETRATIONS ARE ONLY ALLOWED AT LOCATIONS NOTED ON WALL ELEVATIONS. OR SHALL BE CONTACTED IF ANY ADDITIONAL PENETRATIONS ARE REQUIRED. SHORING IS REQUIRED IF NOTED IN DETAILS.
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HUNTINGTON MIDDLE SCHOOL -
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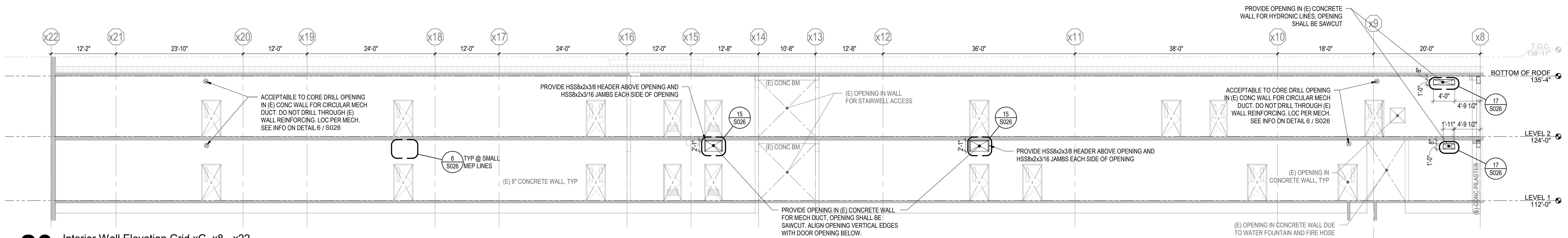
Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	AM	
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Revisions		
#	Date	Description

BUILDING 1 STRUCTURAL WALL ELEVATIONS

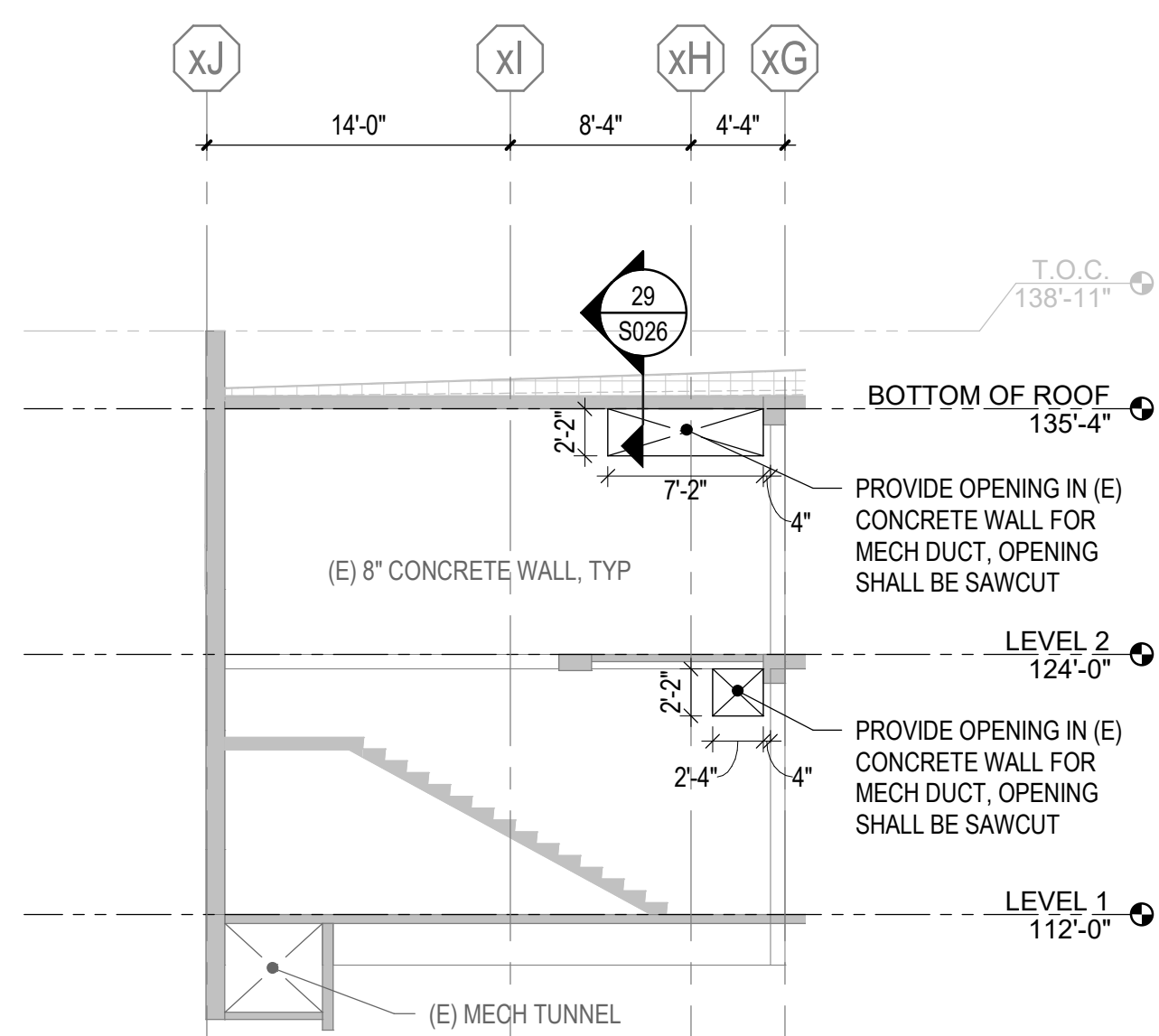
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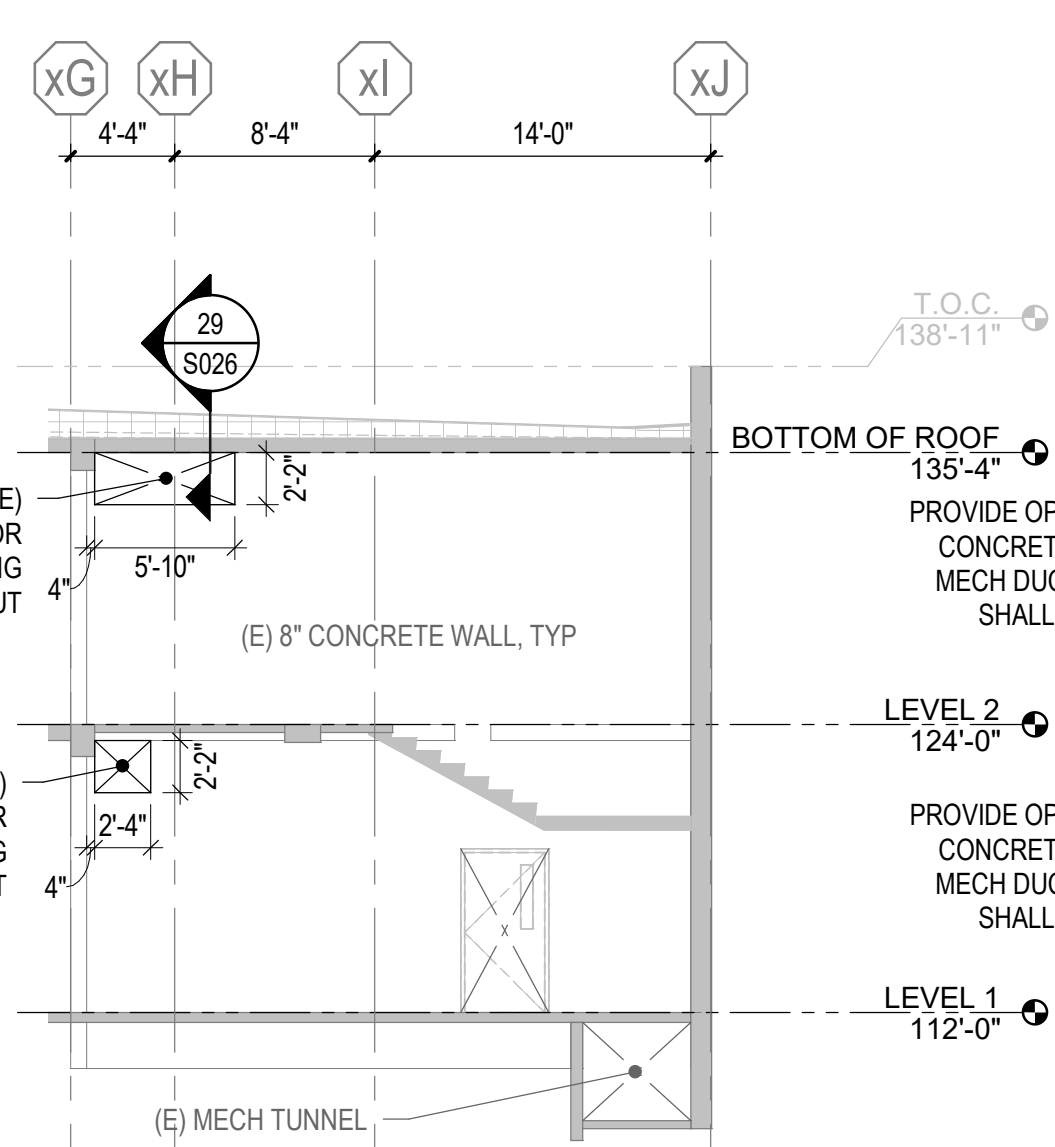
19 Interior Wall Elevation Grid xE x8 - x22
SCALE: 1/8" = 1'-0"



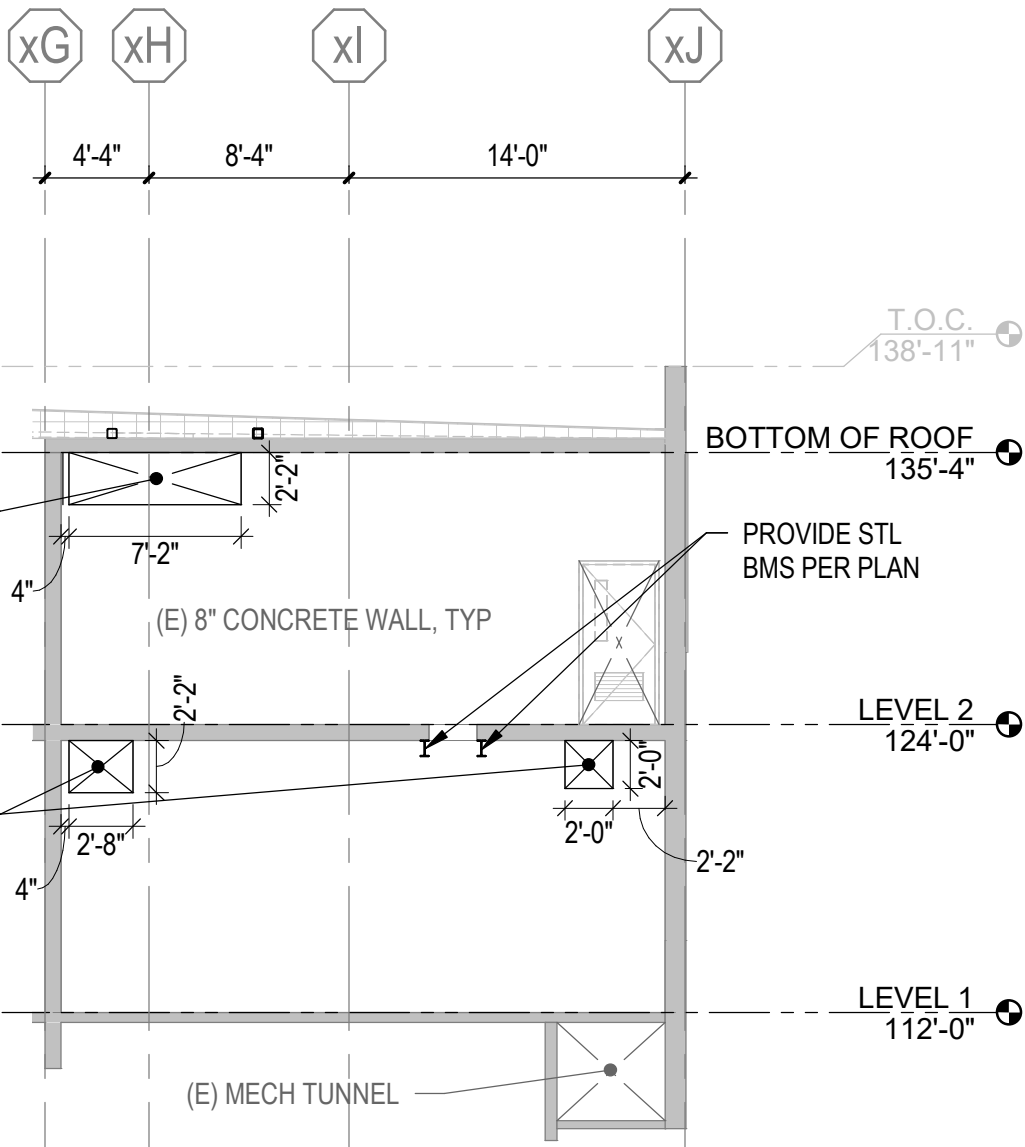
20 Interior Wall Elevation Grid xG, x8 - x22
SCALE: 1/8" = 1'-0"



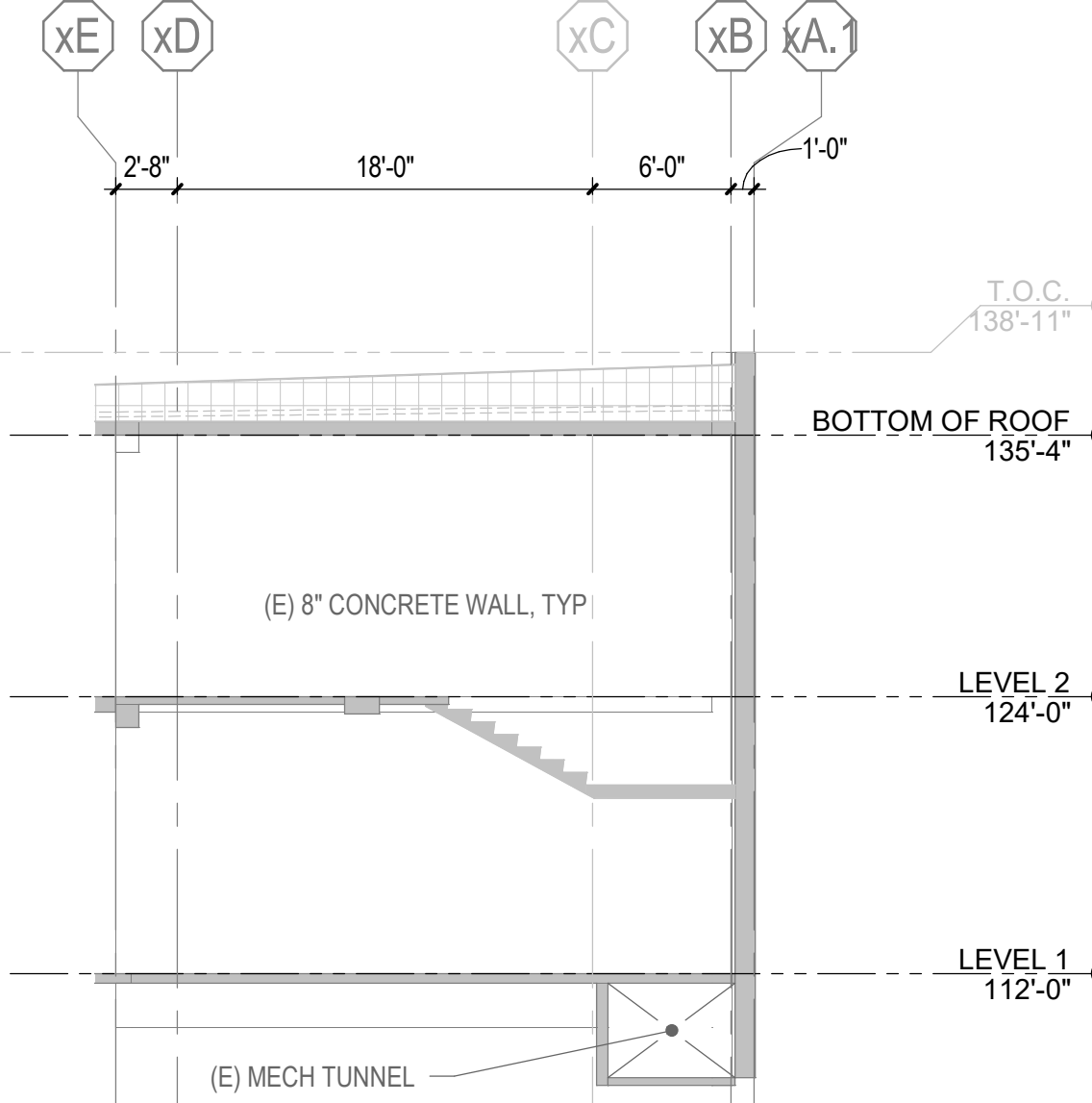
21 Interior Wall Elevation Grid x13, xG - xJ
SCALE: 1/8" = 1'-0"



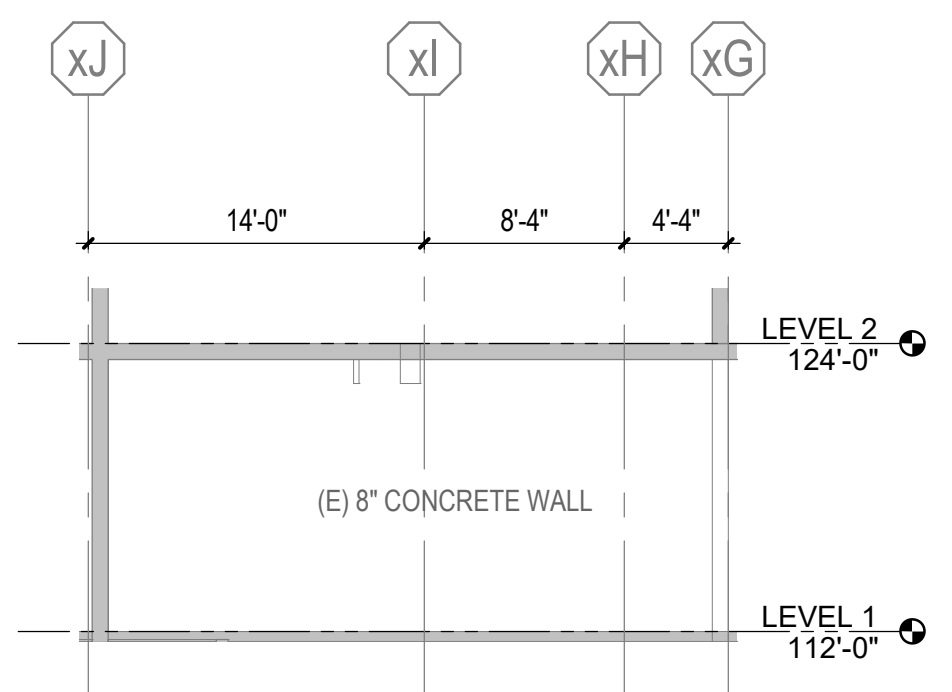
22 Interior Wall Elevation Grid x14, xG - xJ
SCALE: 1/8" = 1'-0"



23 Interior Wall Elevation Grid x16, xG - xJ
SCALE: 1/8" = 1'-0"

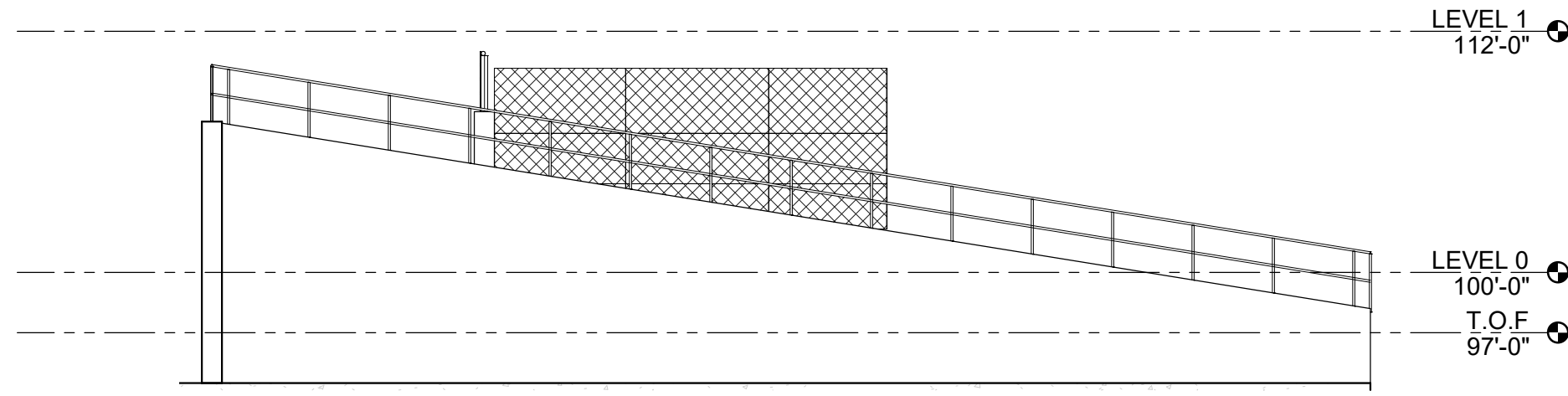


24 Interior Wall Elevation Grid x21, xA.1 - xE
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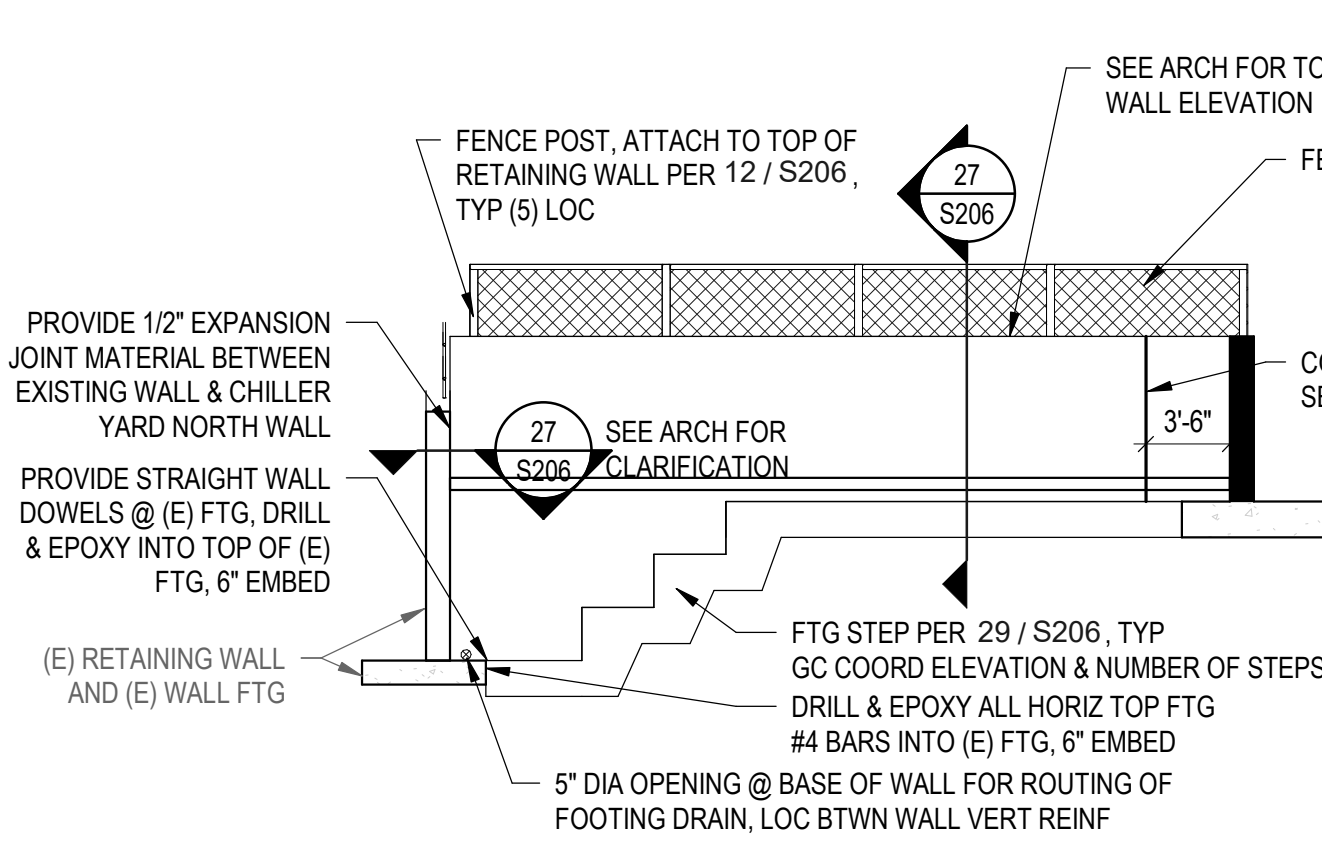


25 Interior Wall Elevation Grid x8/x9, xG - xJ
SCALE: 1/8" = 1'-0"

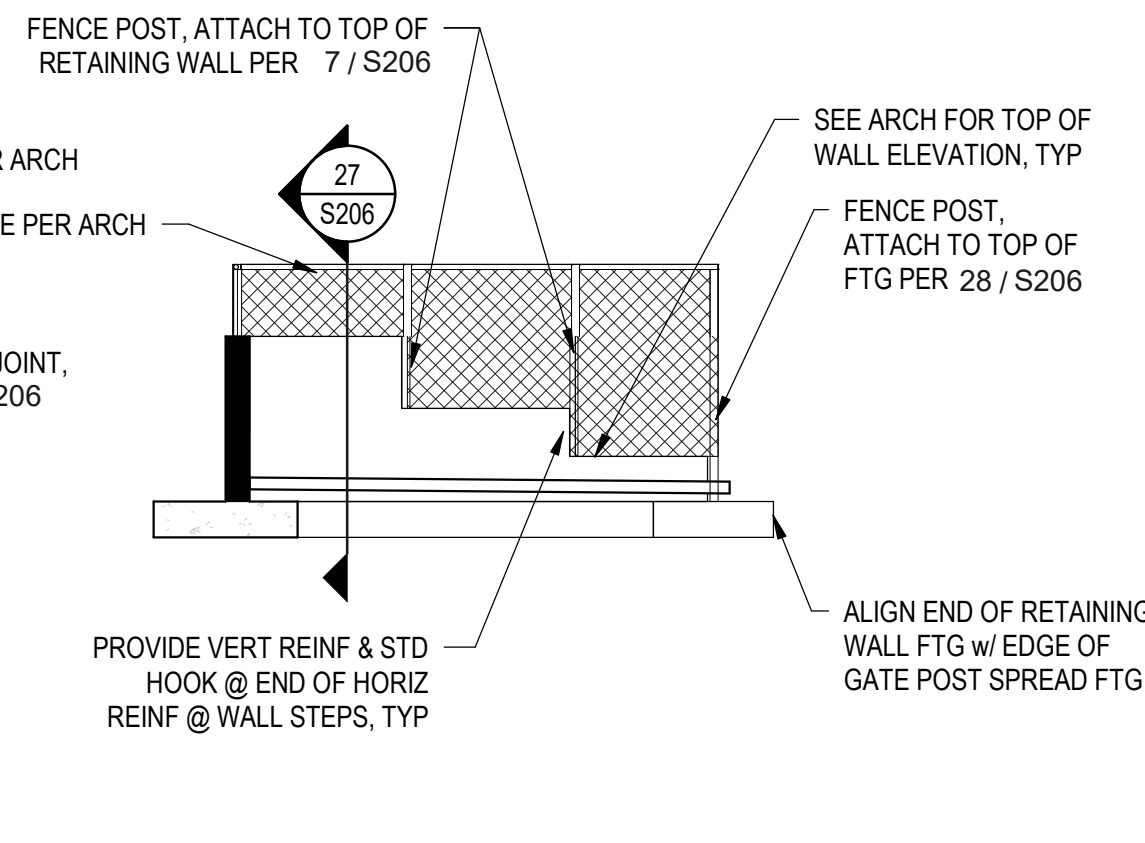
- BUILDING 1 STRUCTURAL WALL ELEVATION NOTES**
1. GC VERIFY ALL WALL THICKNESSES IN FIELD.
 2. REFERENCE 1951 DRAWINGS FOR WALL REINFORCING SIZE AND SPACING.
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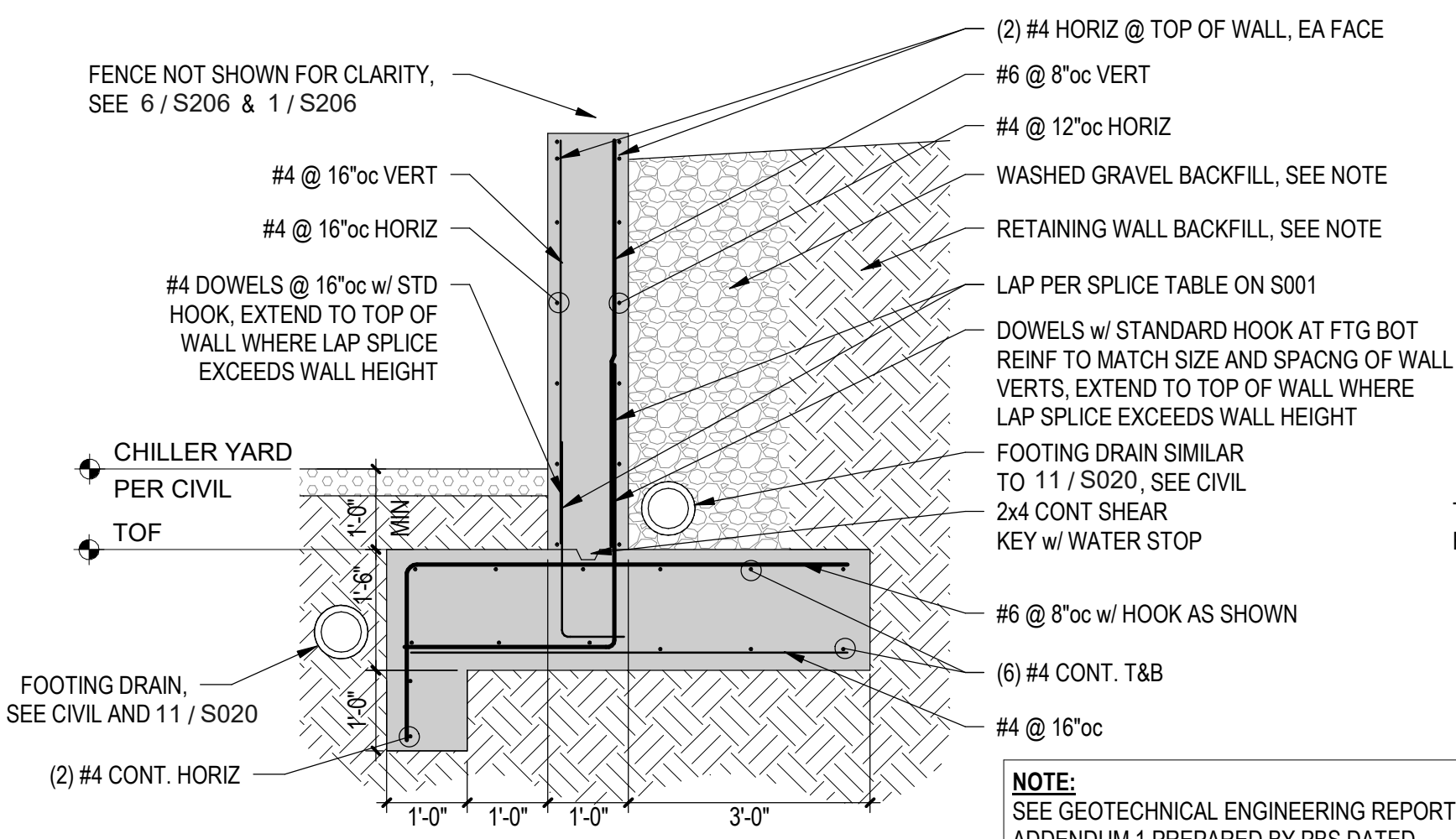
16 EXISTING RETAINING WALL NEAR CHILLER
SCALE: 1/8" = 1'-0"



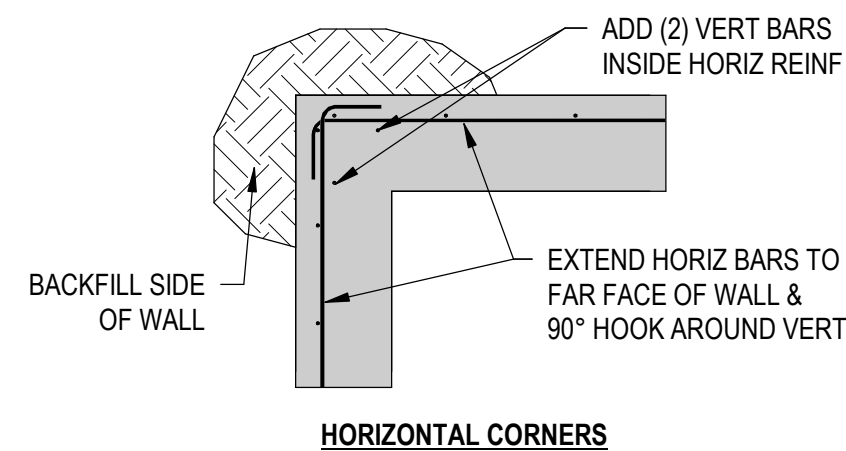
6 CHILLER NORTH RETAINING WALL
SCALE: 1/8" = 1'-0"



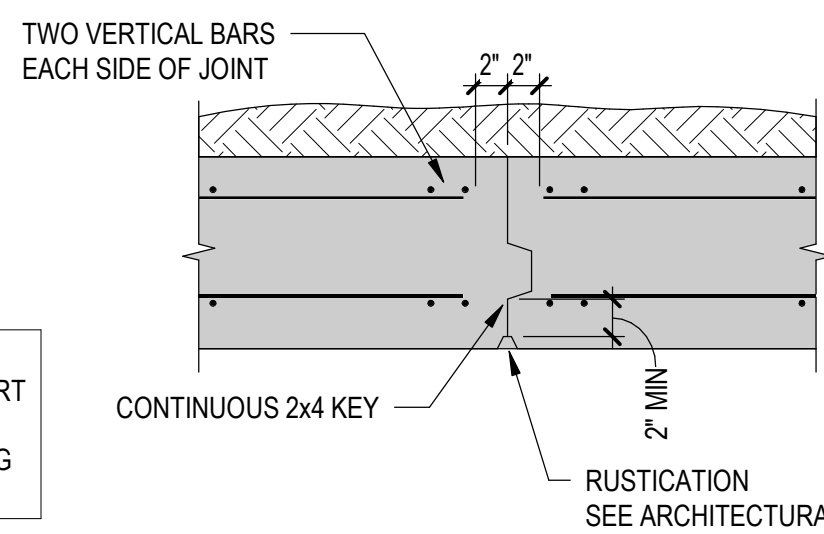
1 CHILLER EAST RETAINING WALL
SCALE: 1/8" = 1'-0"



27 CHILLER YARD RETAINING WALL
SCALE: 1/2" = 1'-0"

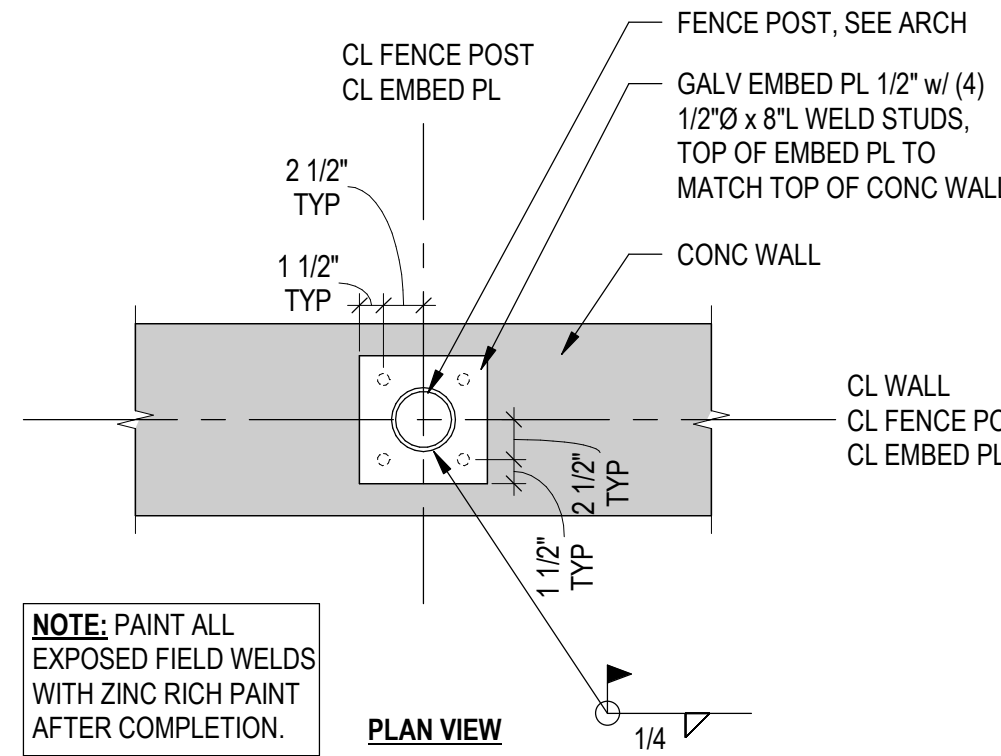


HORIZONTAL CORNERS

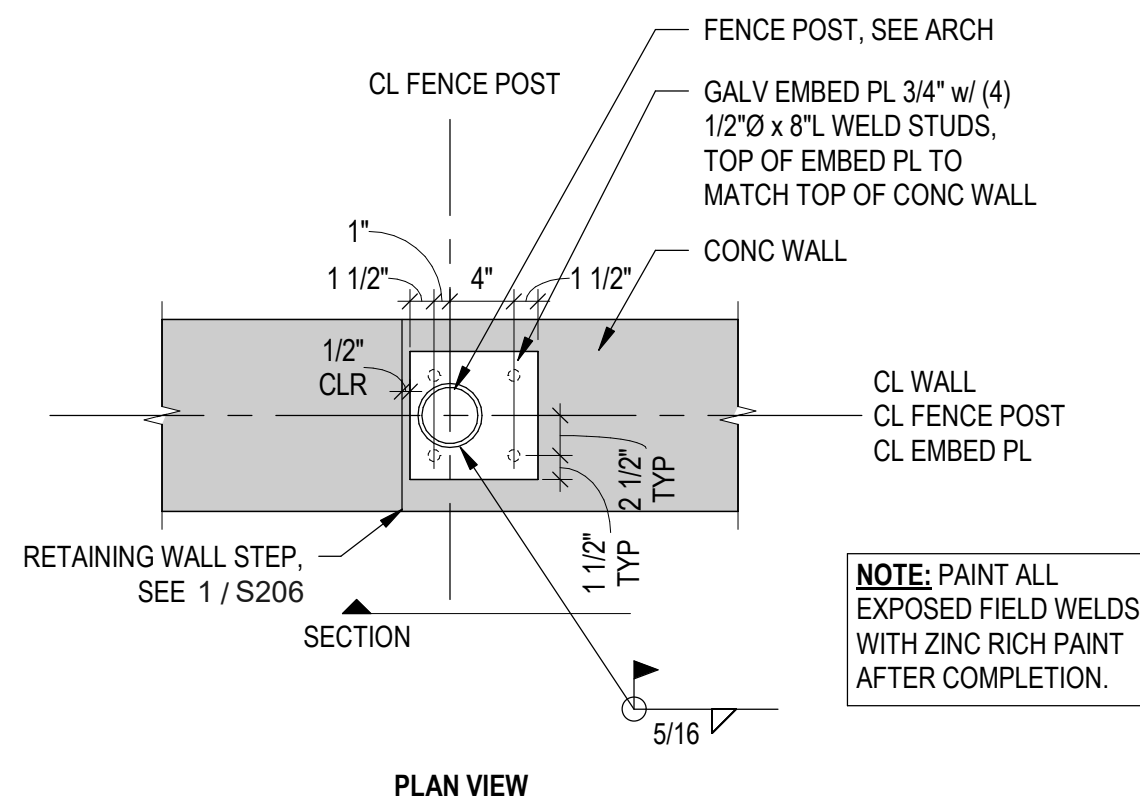


VERTICAL CONTROL JOINT

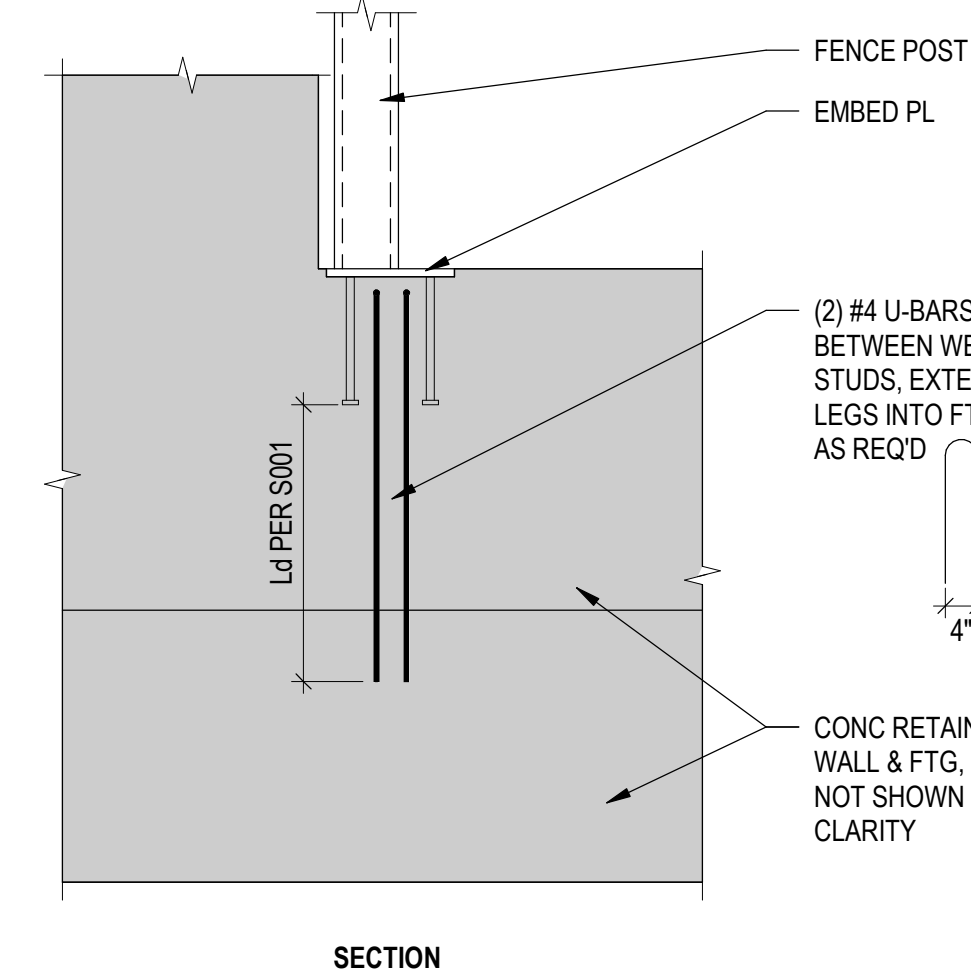
- CONTROL JOINT NOTES:
1. PLACE CONTROL JOINTS PER 6 / S206 & 1 / S206
 2. POUR ALTERNATING SECTIONS OR ALLOW @ LEAST 3 DAYS BETWEEN ADJACENT POURS.
 3. CONTROL JOINTS DO NOT NEED TO EXTEND THROUGH THE FOOTINGS.
 4. SEE SHEET S001 FOR SPLICE LENGTH SCHEDULE



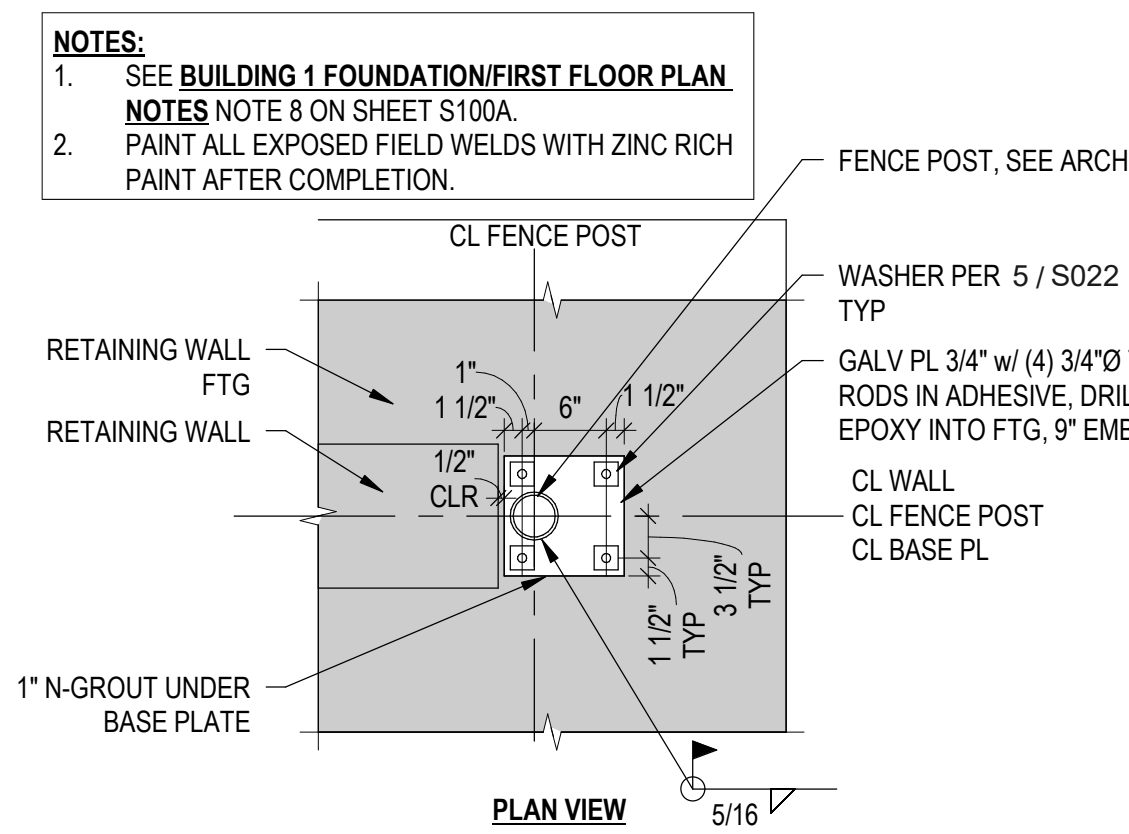
12 FENCE POST BASE PLATE DETAIL
SCALE: 1" = 1'-0"



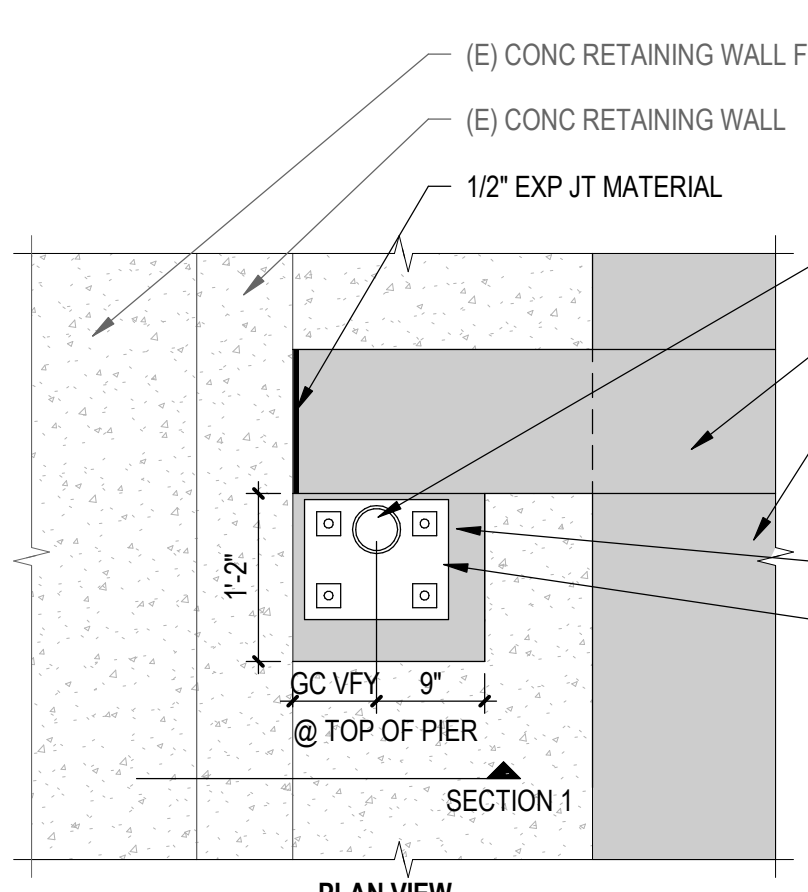
7 FENCE POST BASE PLATE DETAIL
SCALE: 1" = 1'-0"



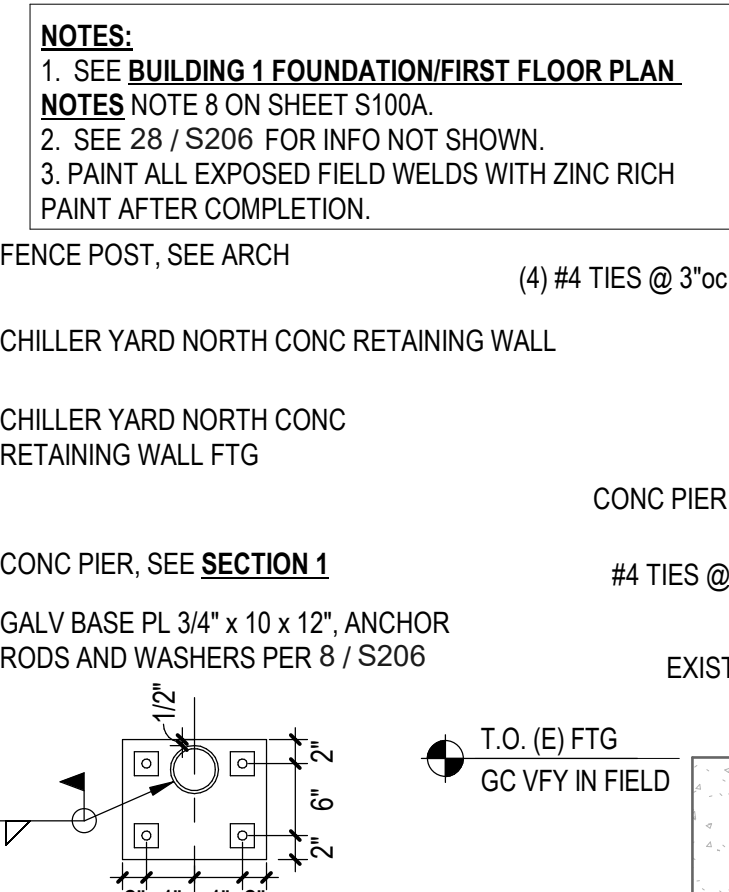
1 CHILLER EAST RETAINING WALL
SCALE: 1/8" = 1'-0"



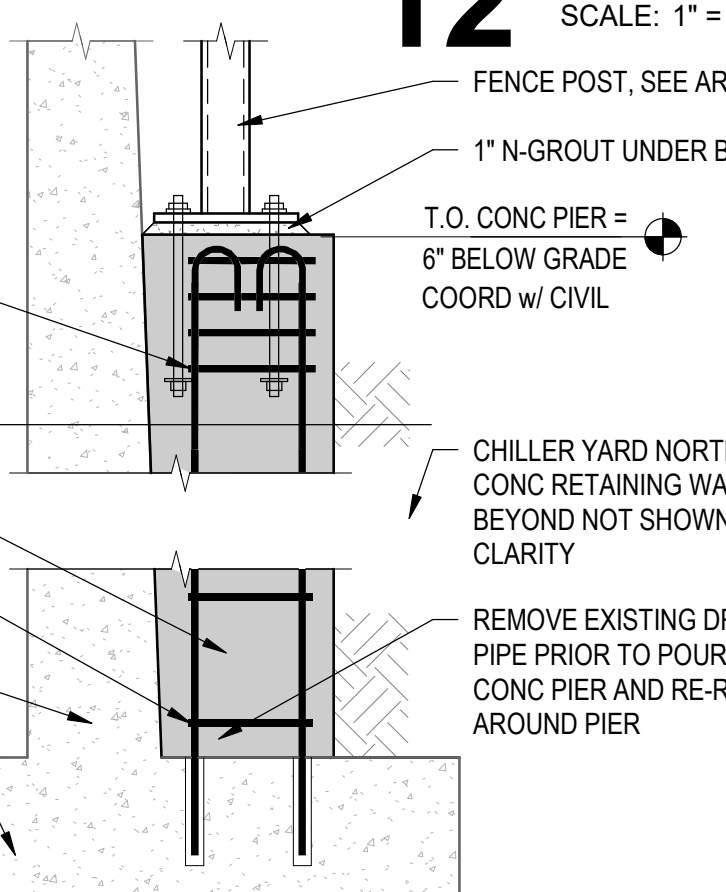
28 FENCE POST BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



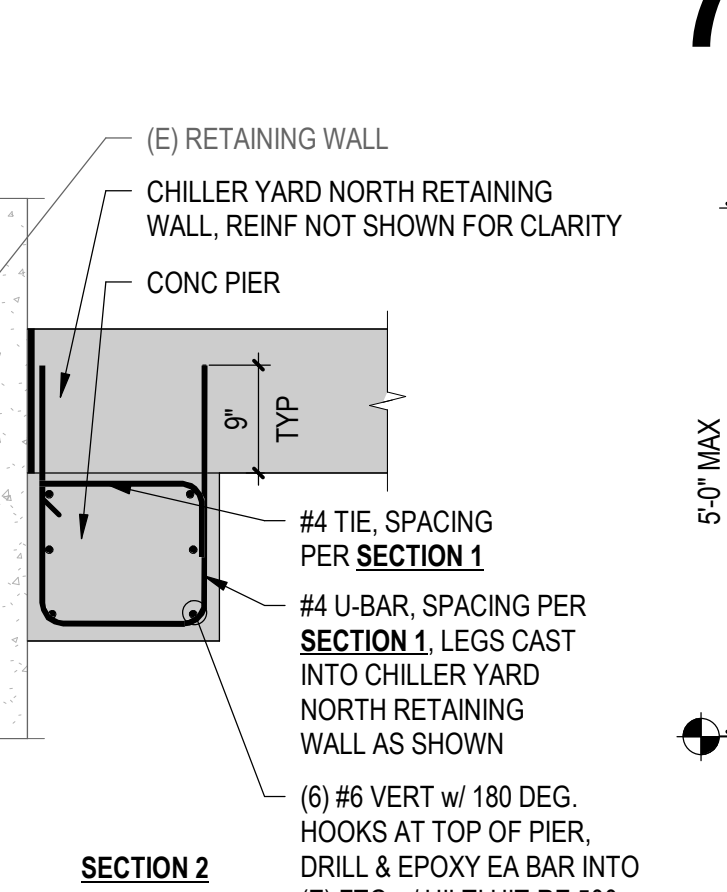
23 FENCE POST BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



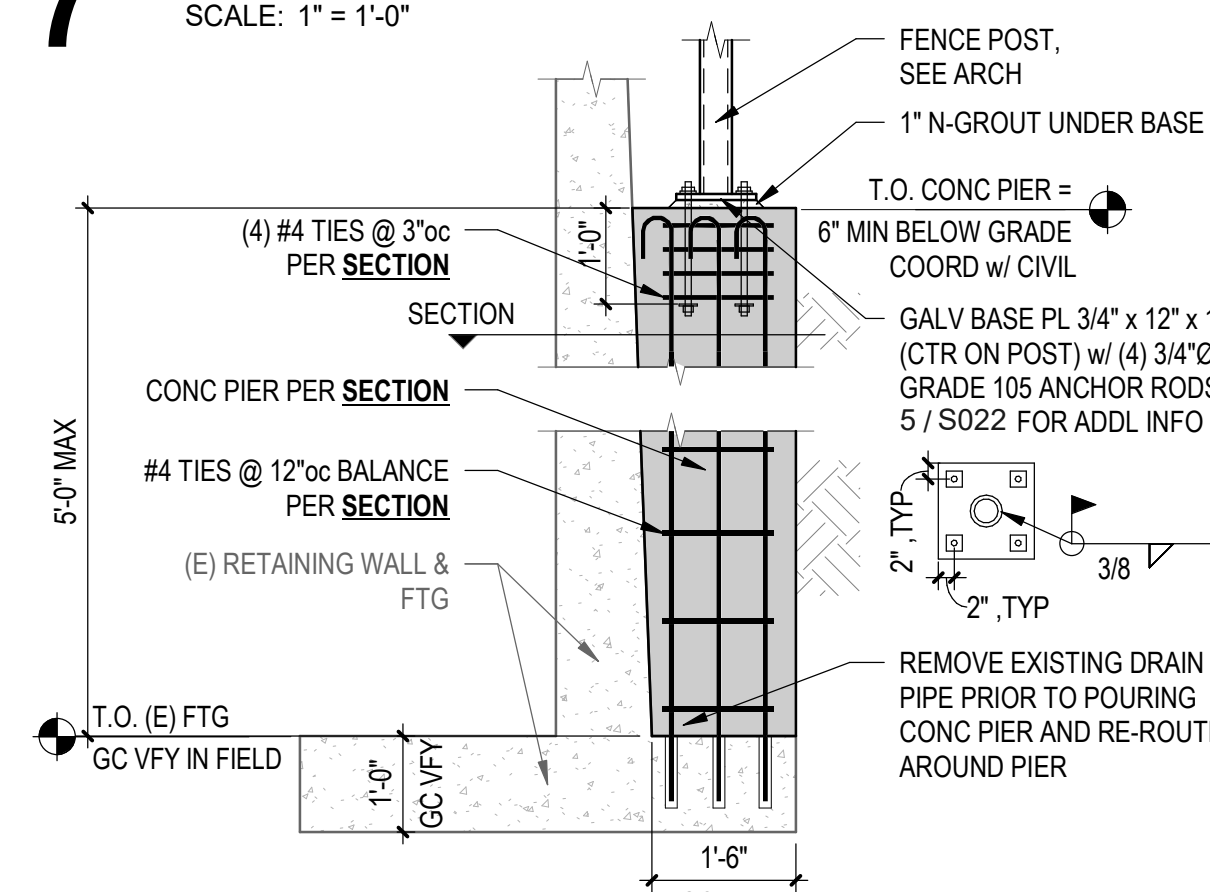
23 FENCE POST BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



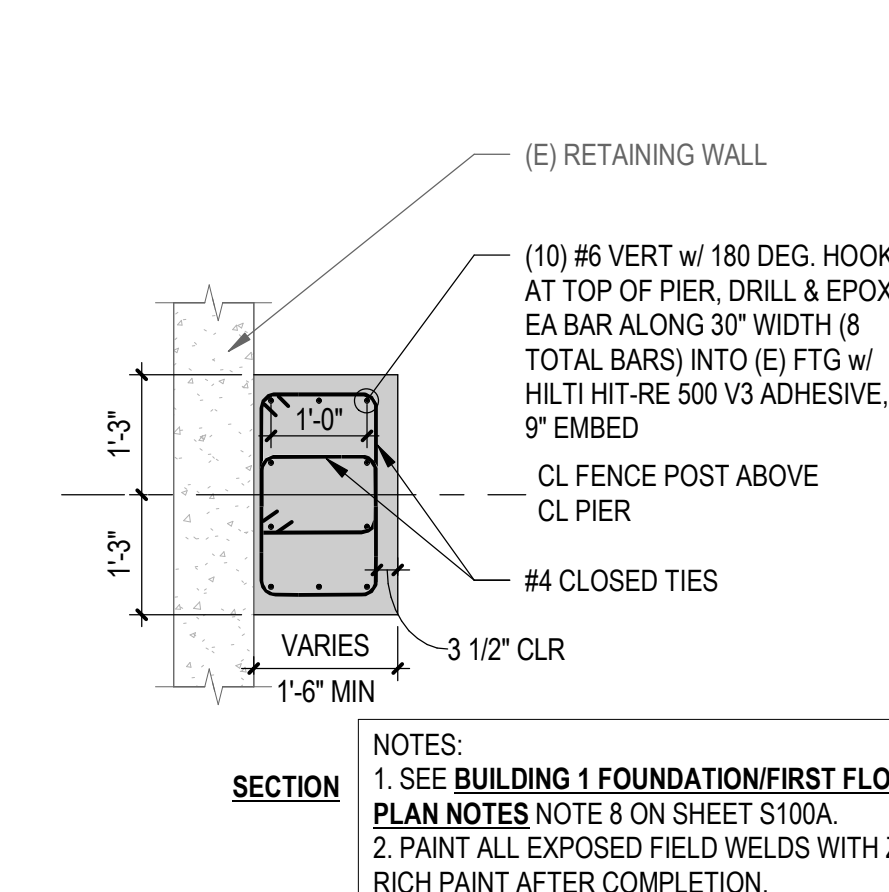
23 FENCE POST BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



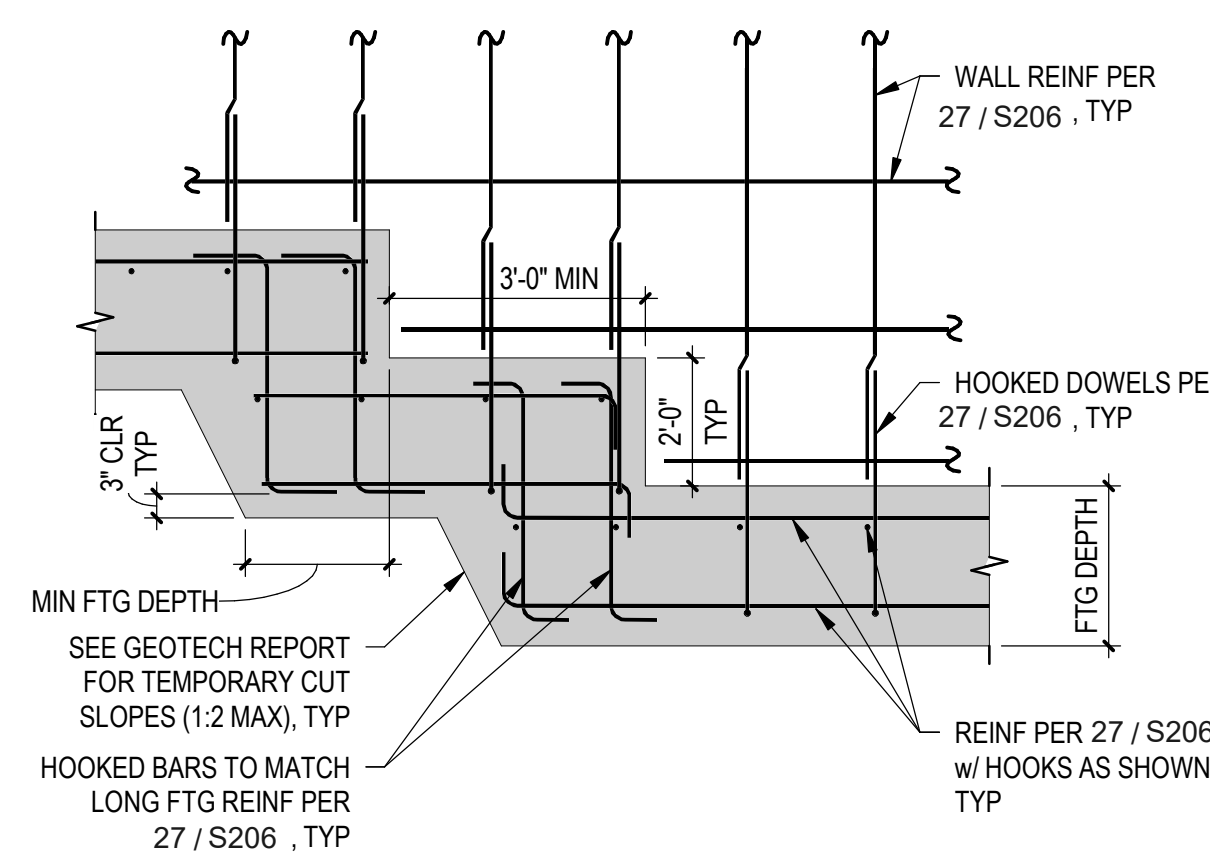
23 FENCE POST BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



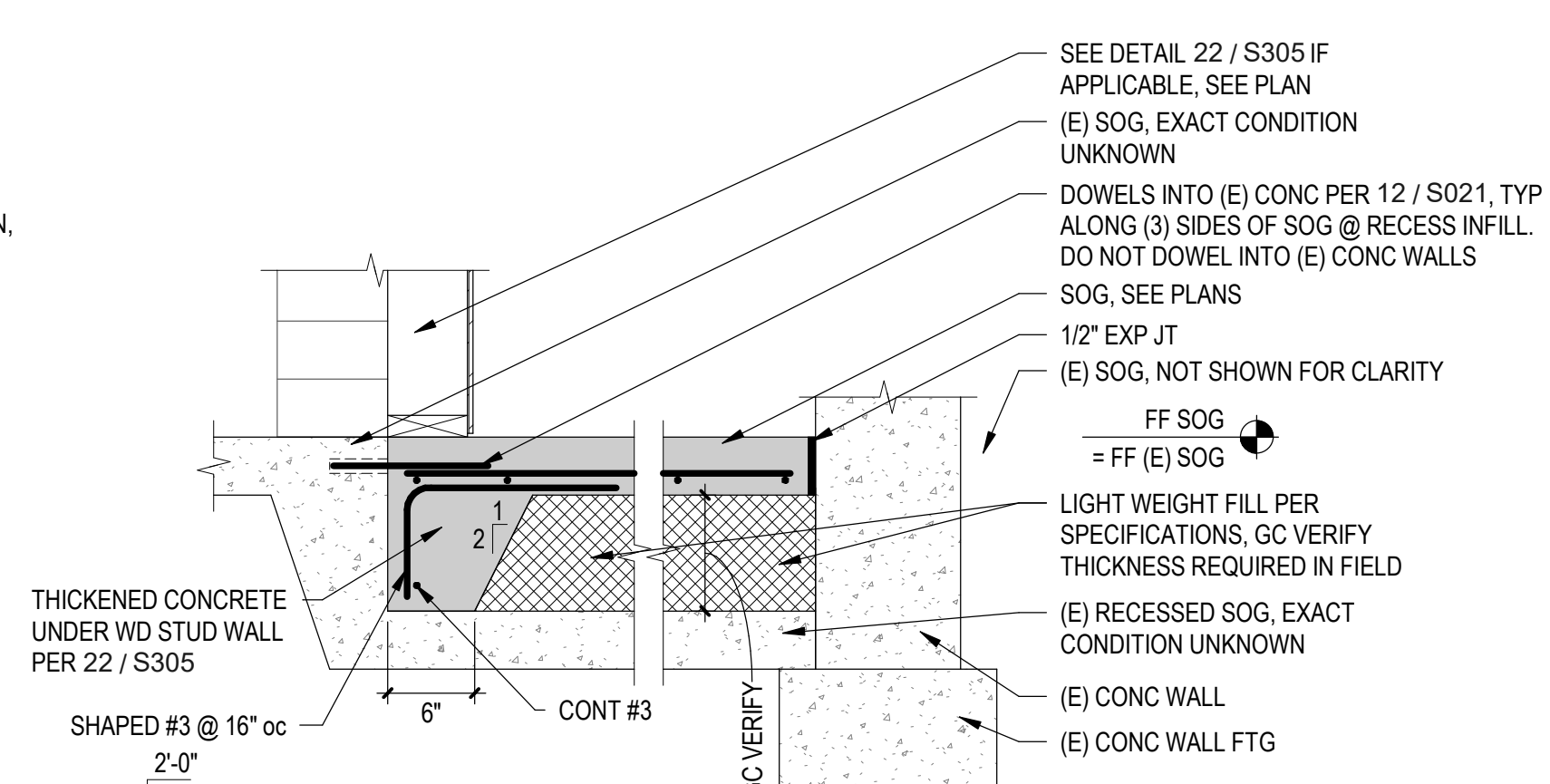
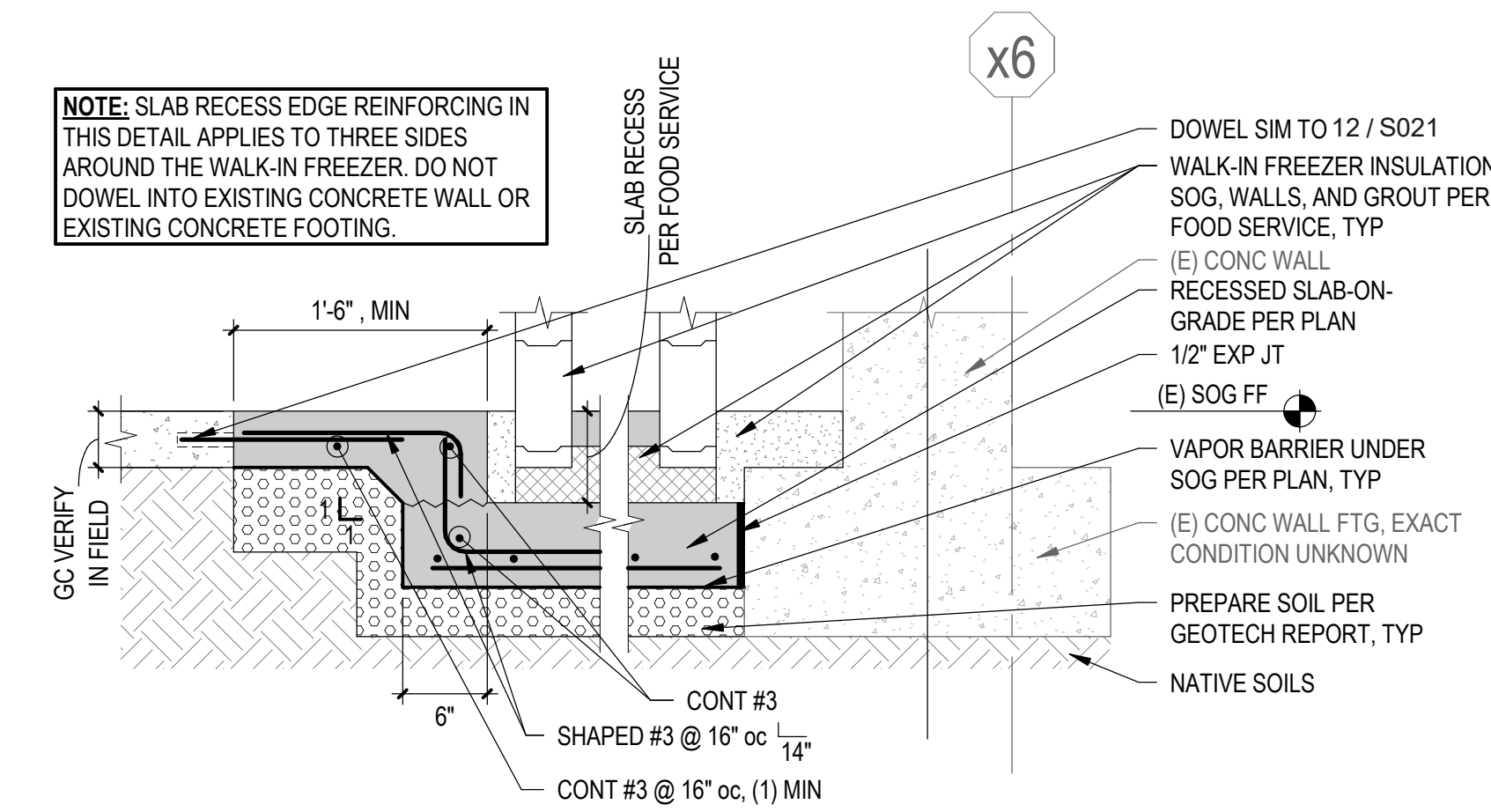
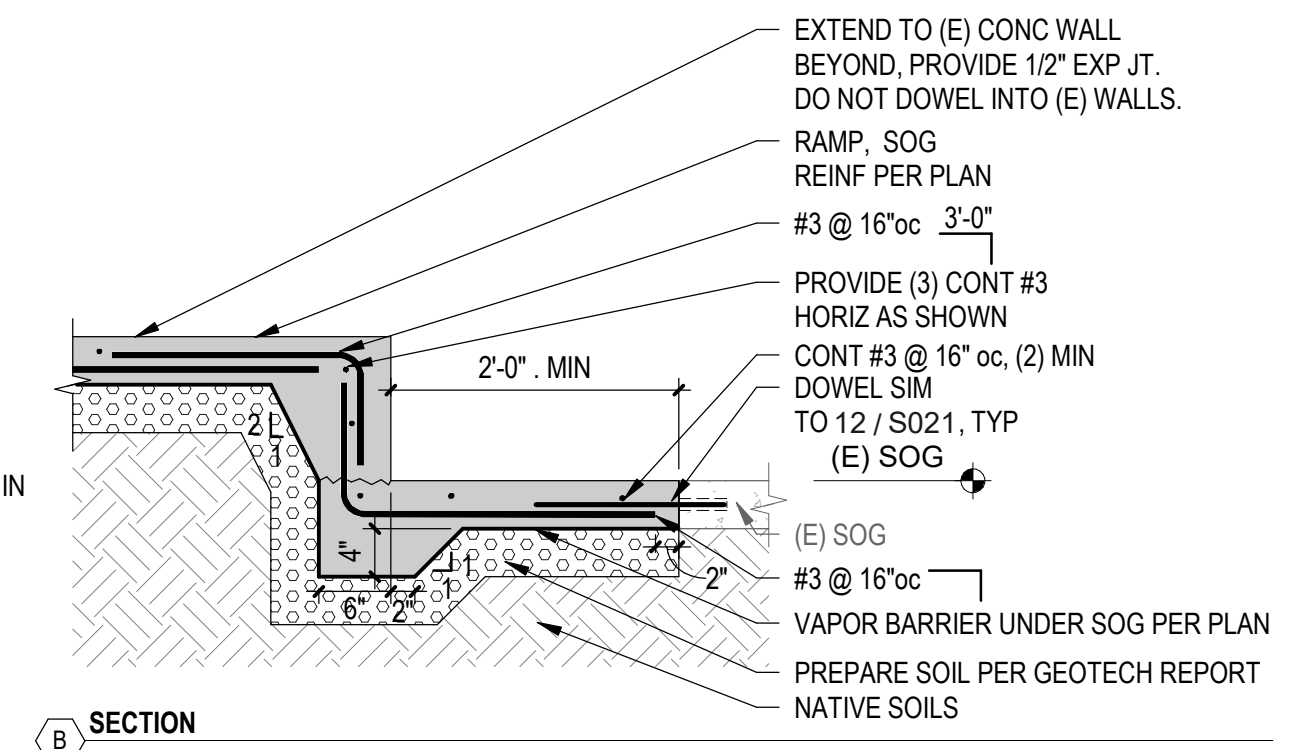
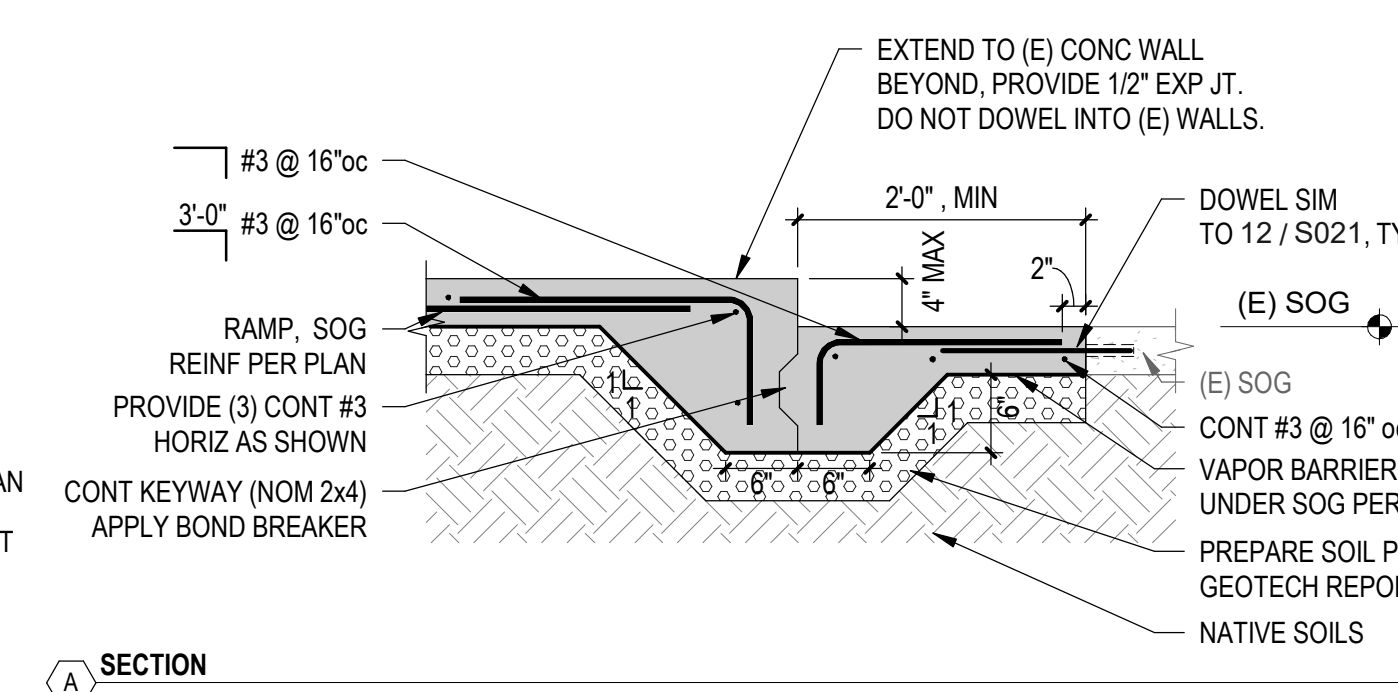
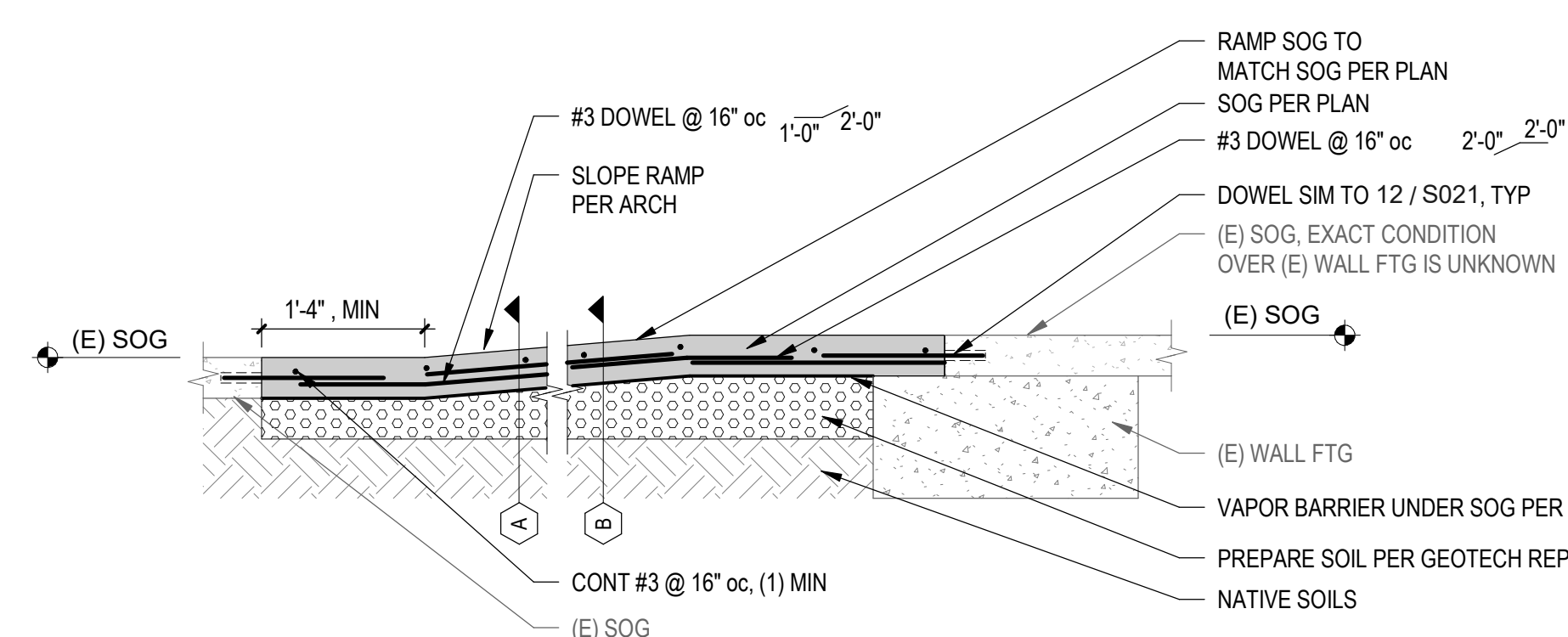
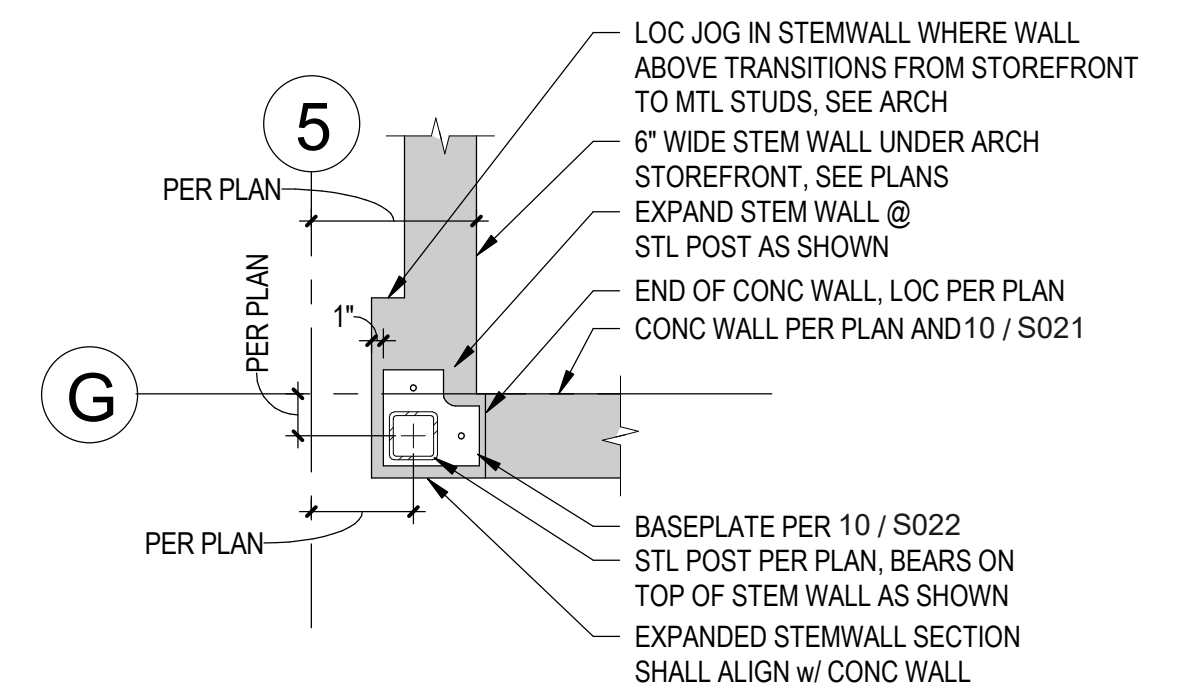
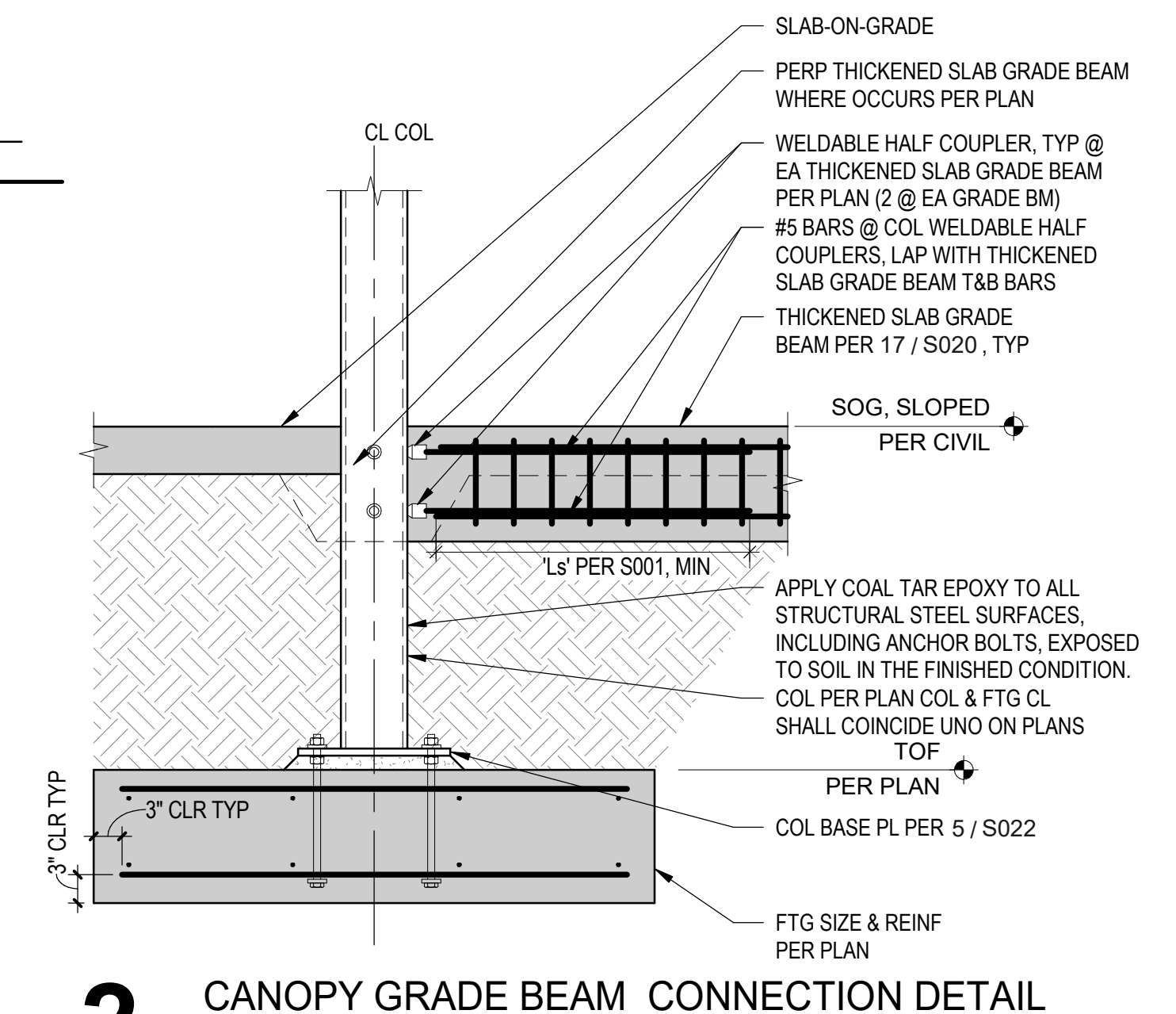
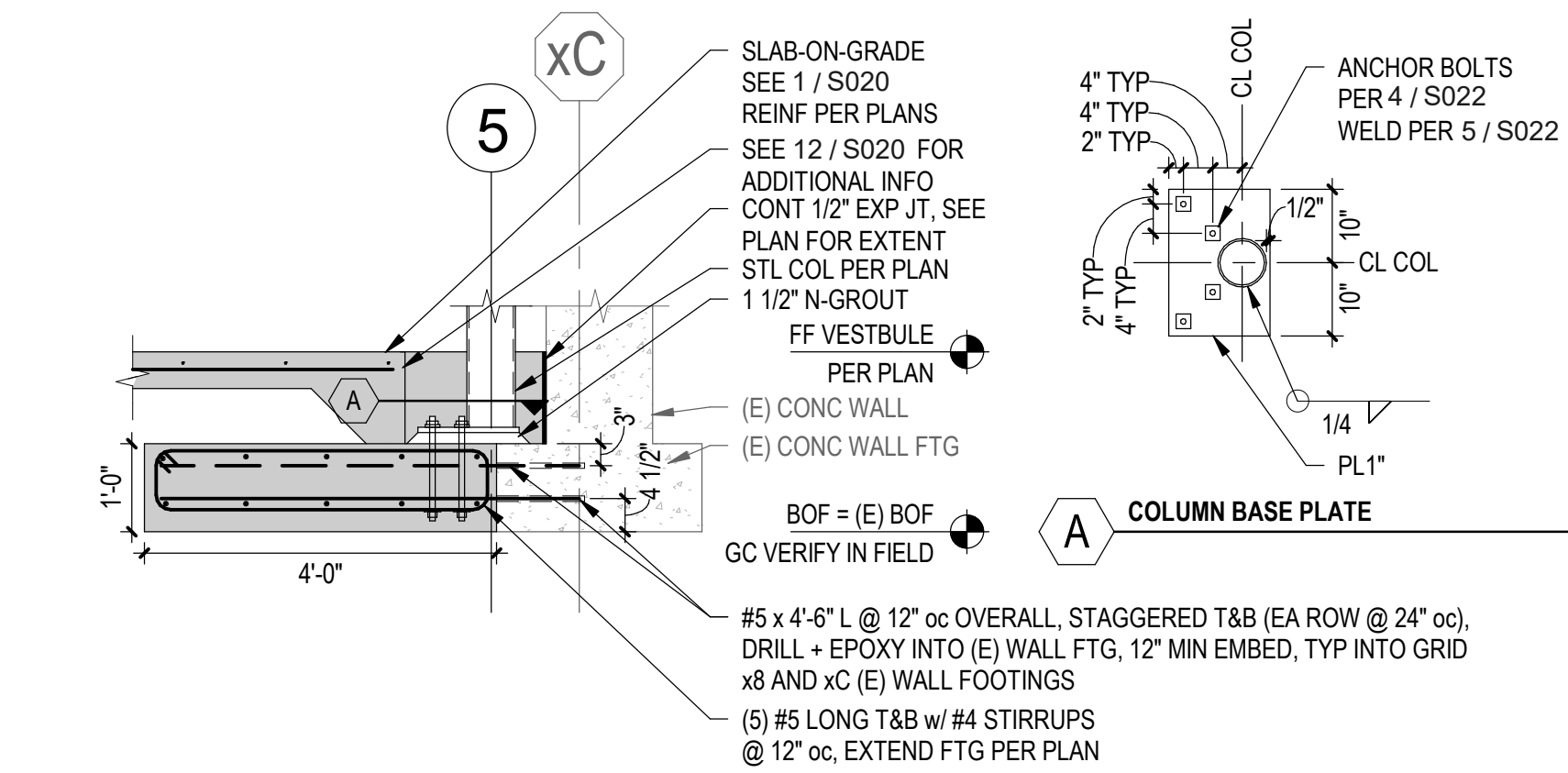
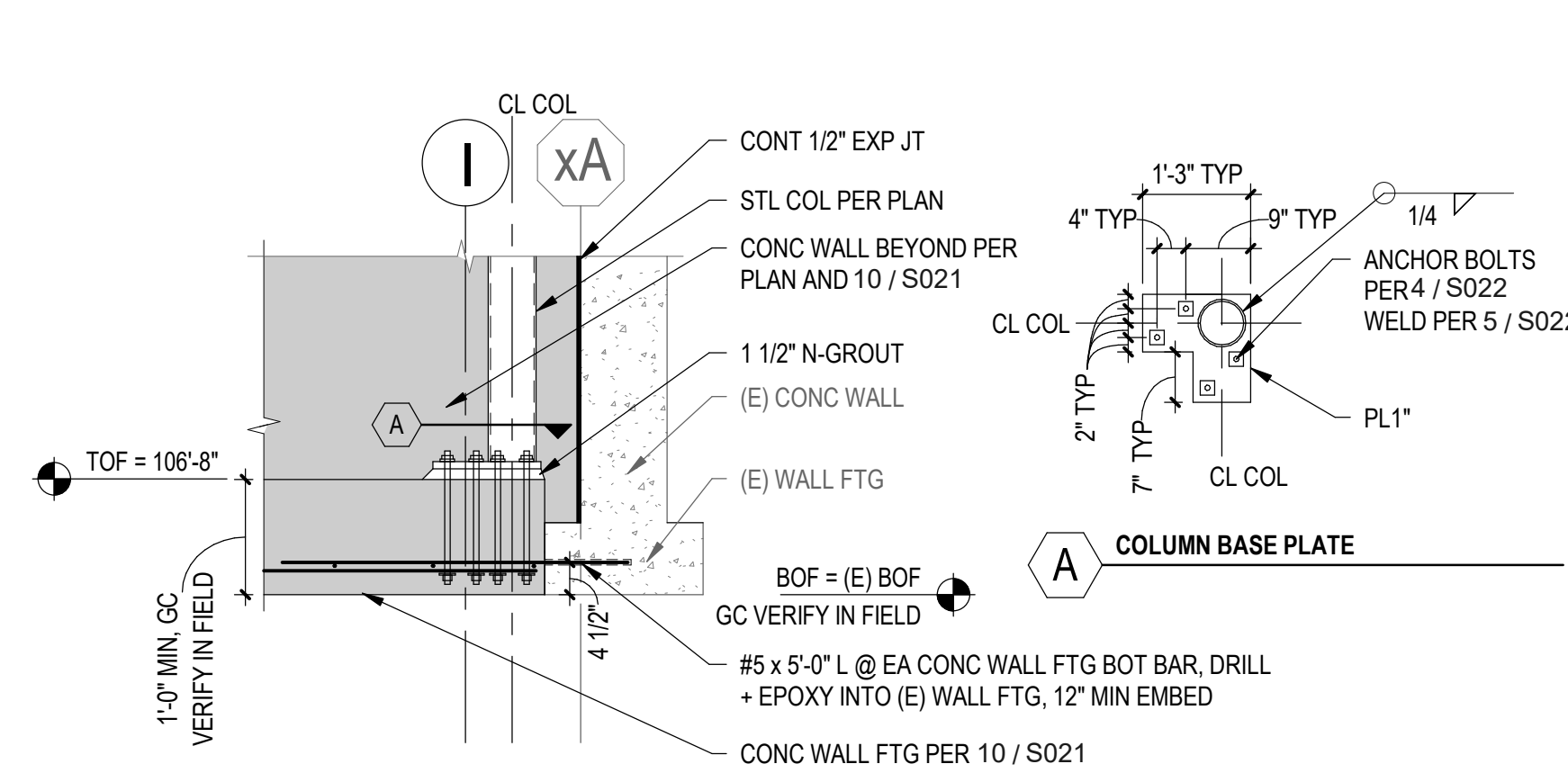
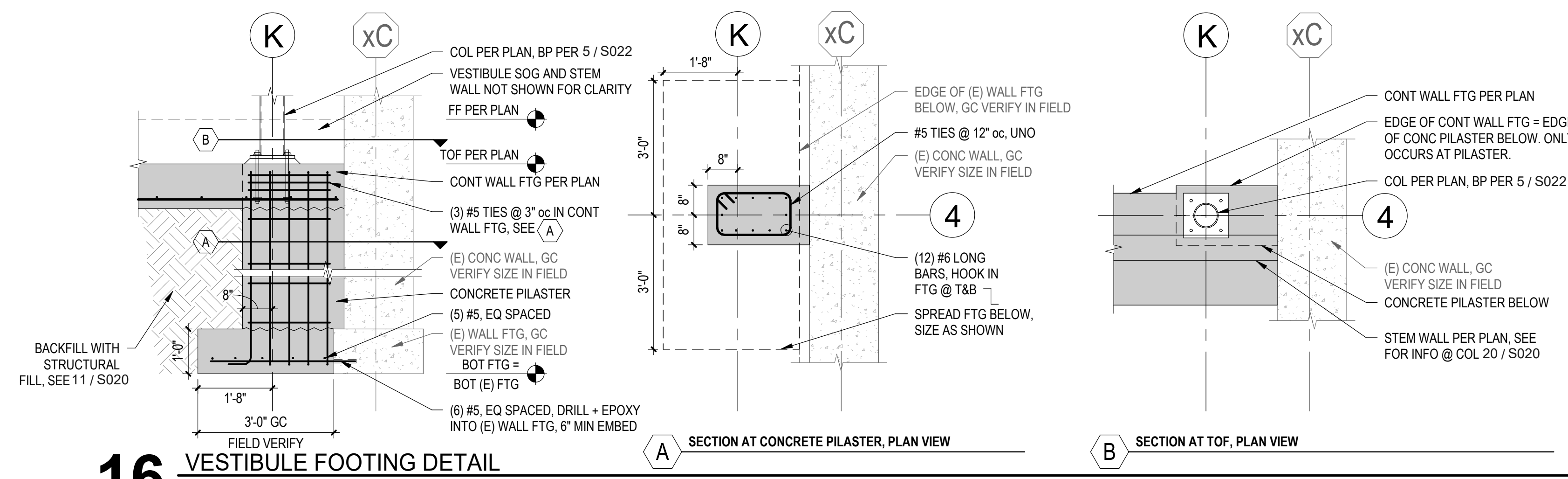
8 FENCE POST BASE PLATE DETAIL
SCALE: 1/2" = 1'-0"

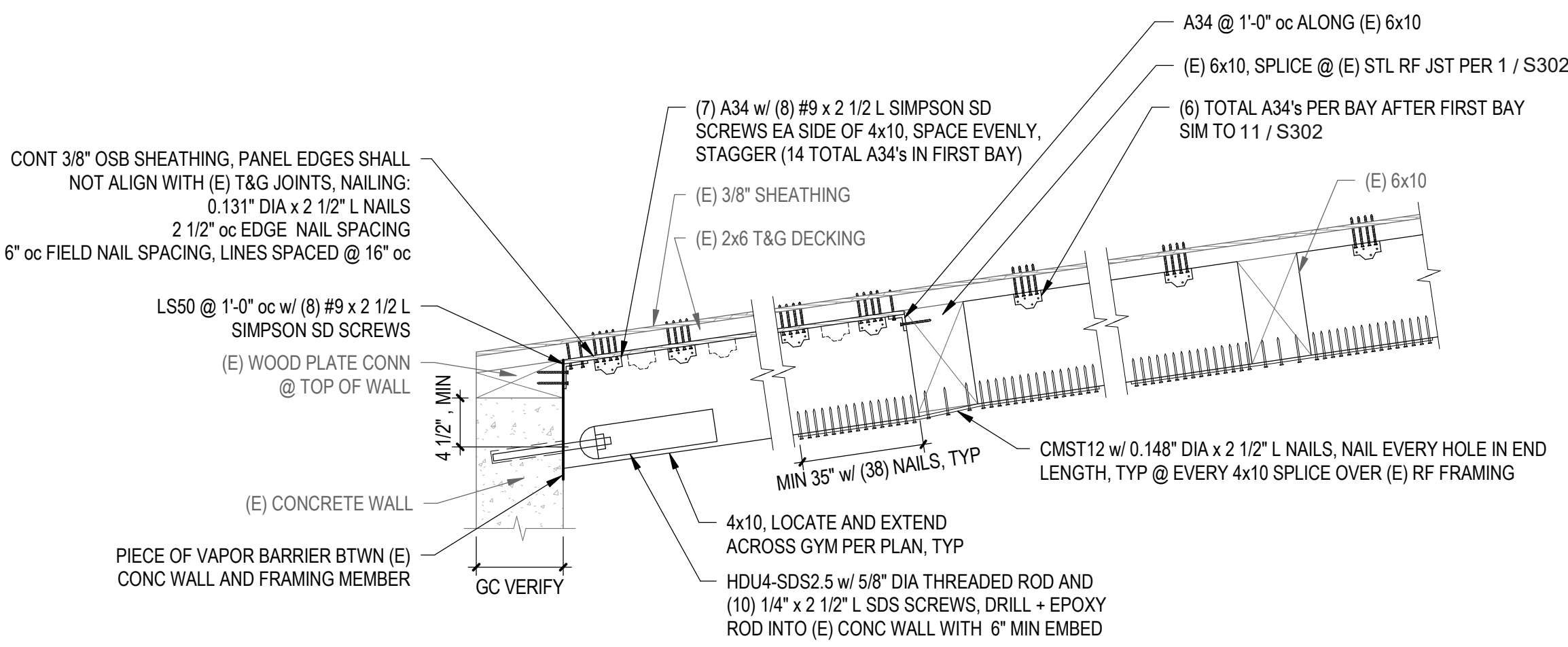


1 CHILLER EAST RETAINING WALL
SCALE: 1/8" = 1'-0"

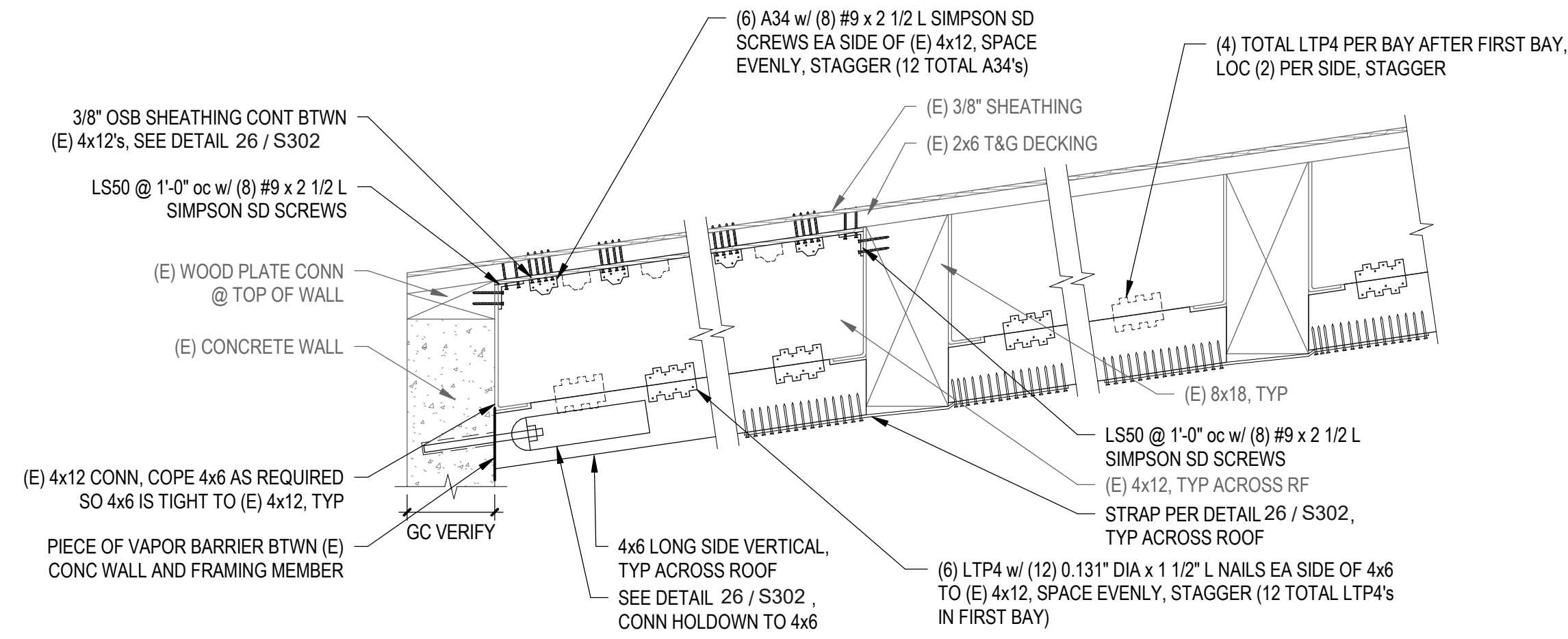


29 STEPPED FOOTING
SCALE: 1/2" = 1'-0"

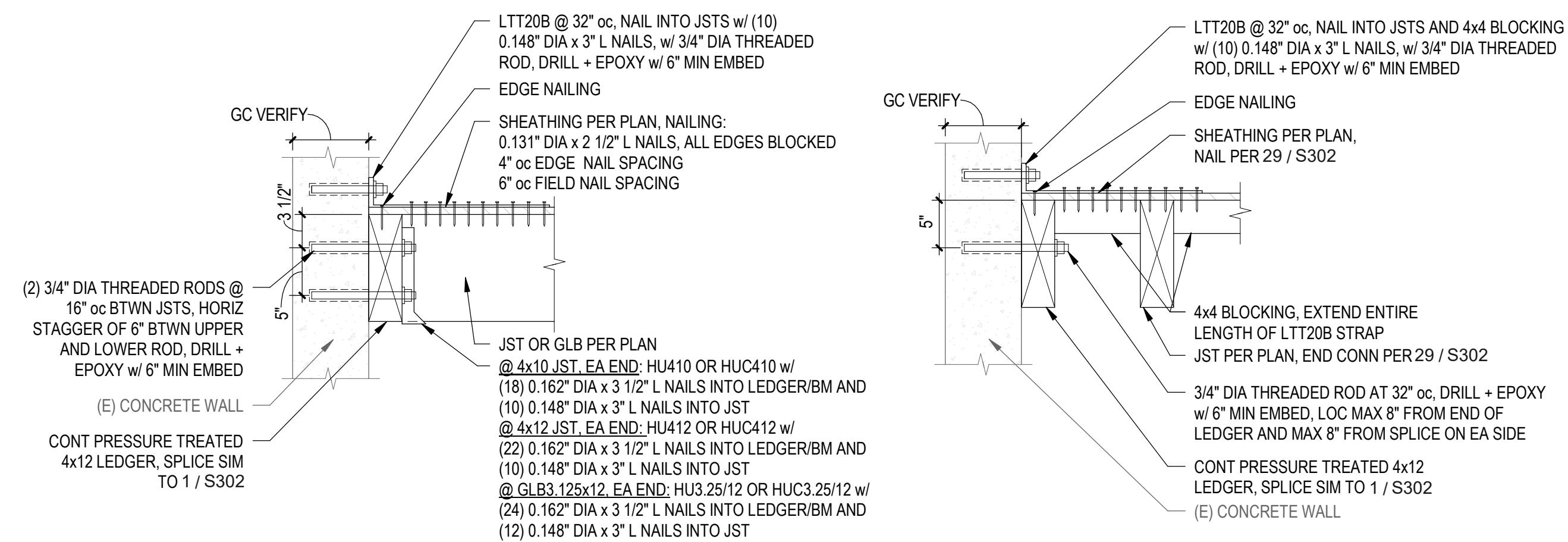




26 BUILDING 1 GYM ROOF CONN
SCALE: 1" = 1'-0"

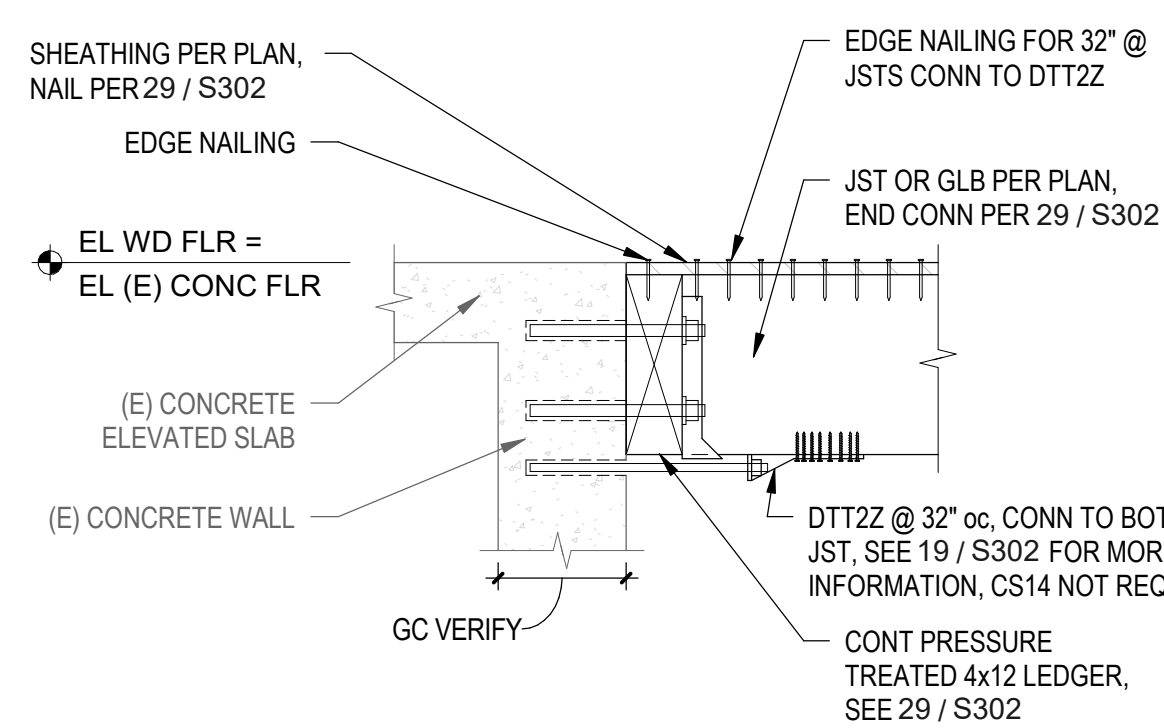


27 BUILDING 1 MUSIC ROOM ROOF CONN (SIMILAR AT STAGE)
SCALE: 1" = 1'-0"

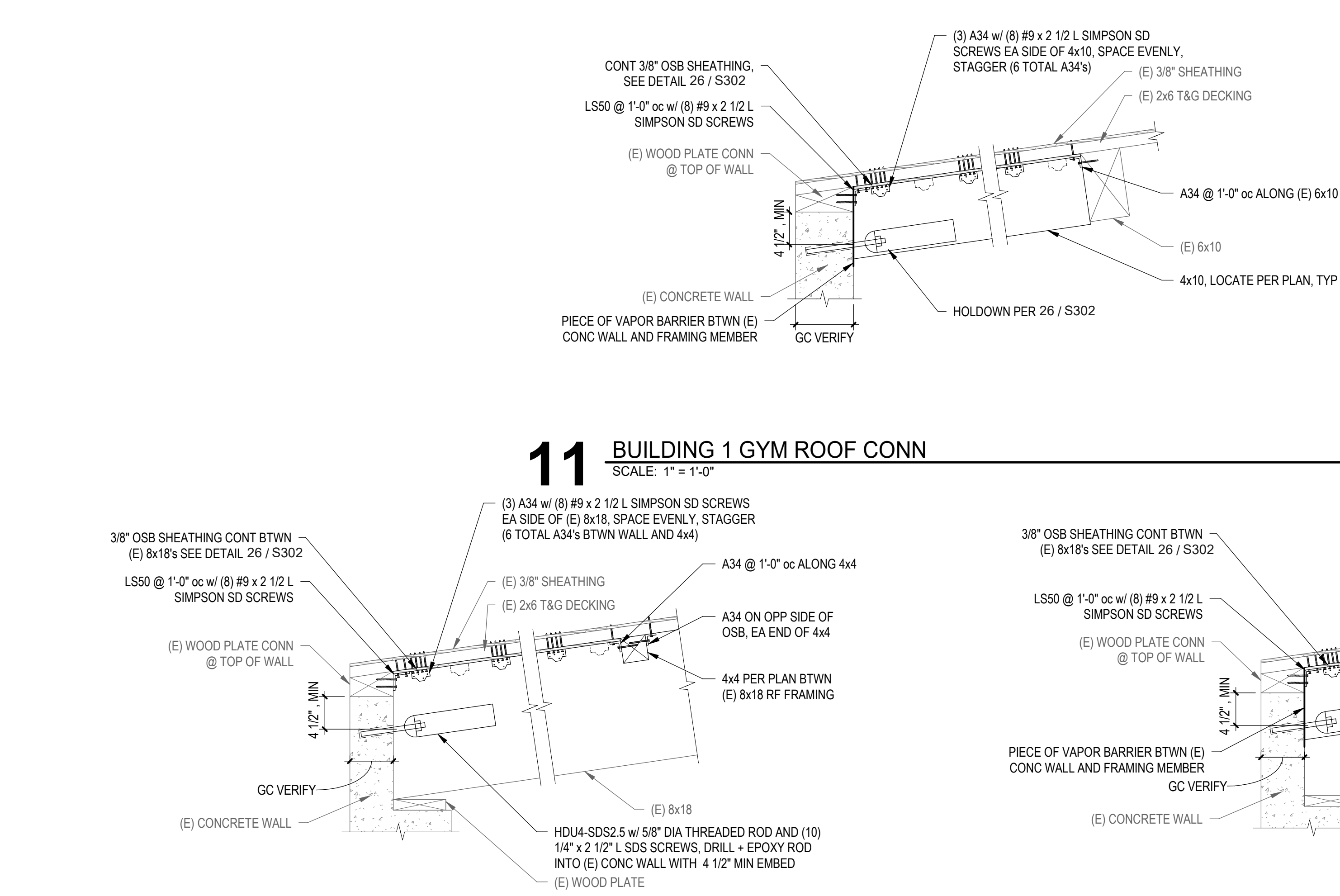


29 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"

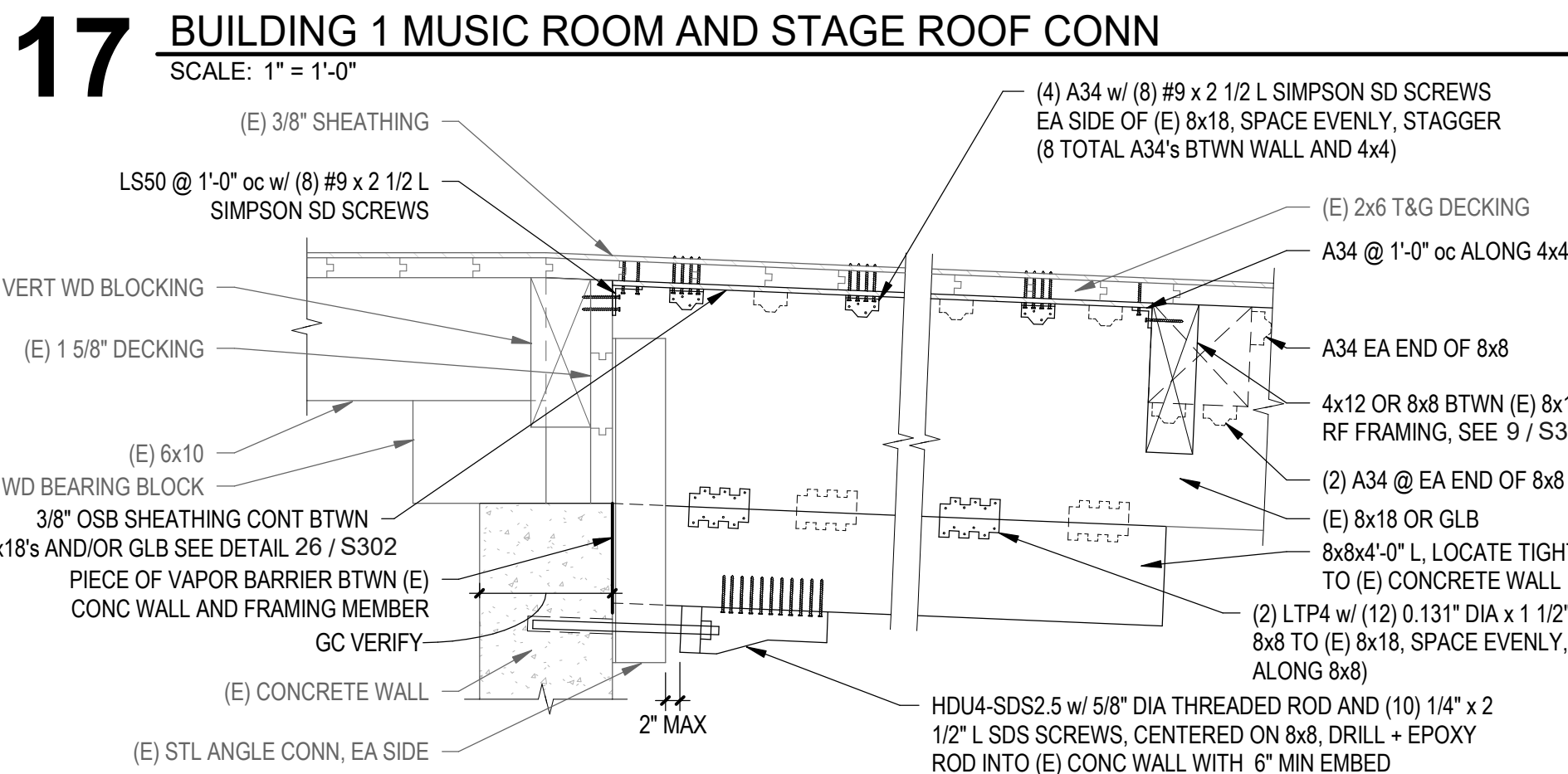
24 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"



25 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"

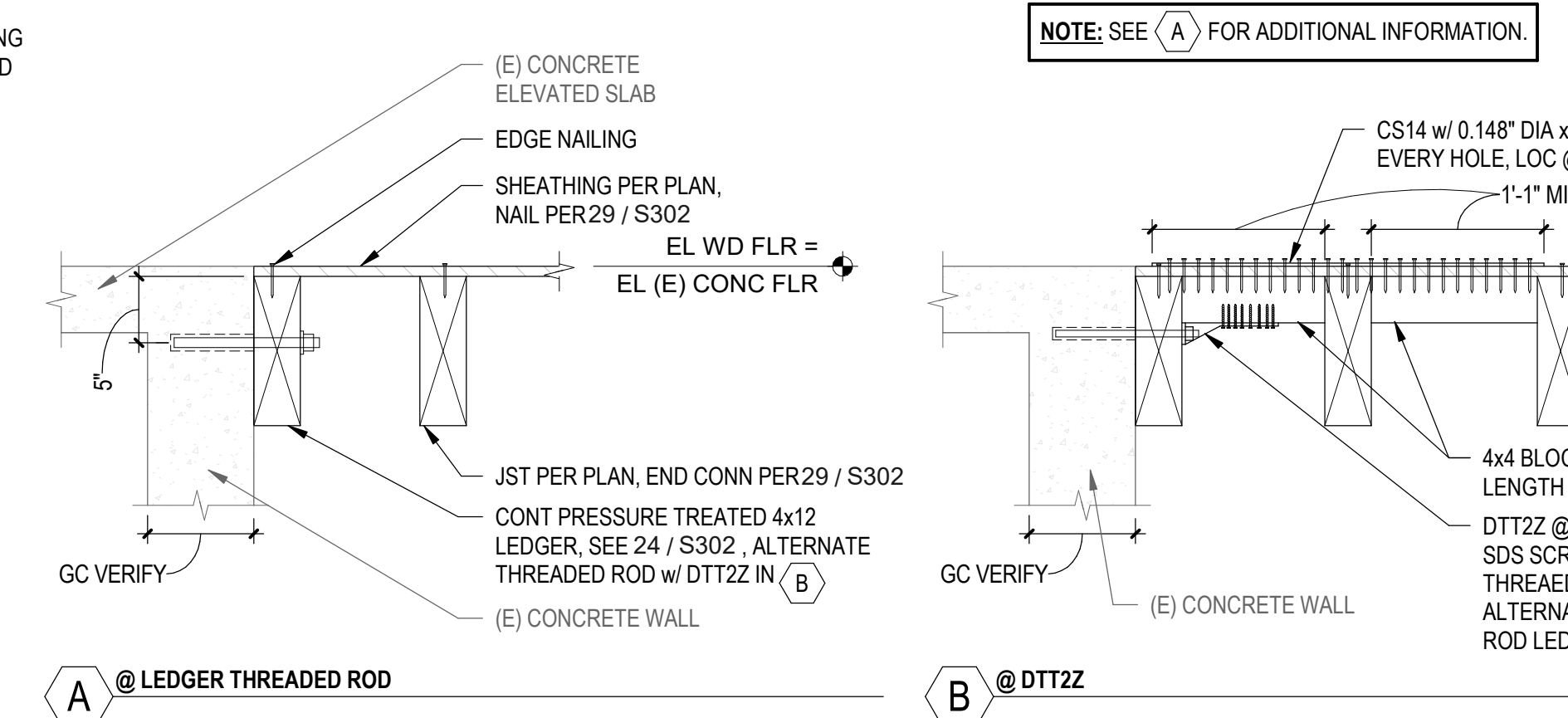


11 BUILDING 1 GYM ROOF CONN
SCALE: 1" = 1'-0"

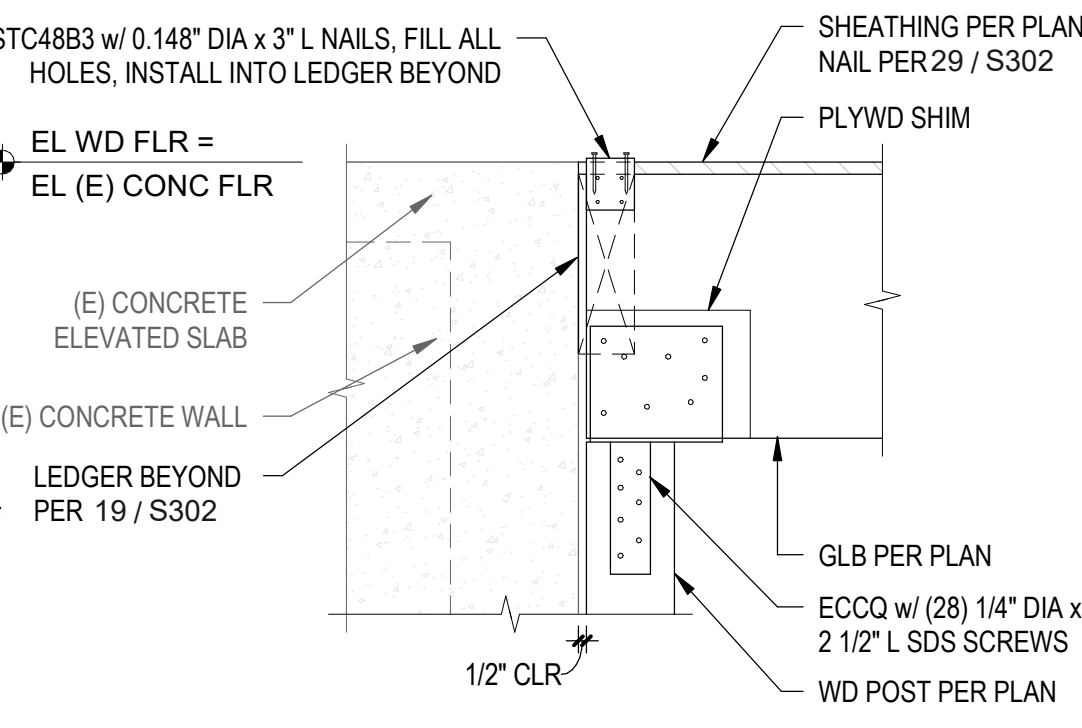


NOTE: WHERE HOLDOWN EPOXY EMBED IS INCLUDED IN A PARTIAL VERTICAL APPLICATION, EPOXY SHALL BE INJECTED WITH A HILTI PISTON PLUG (HIT-SZ) AS RECOMMEND BY THE EPOXY MANUFACTURER. SPECIAL INSPECTOR TO VERIFY HILTI PISTON PLUG (HIT-SZ) IS USED IN VERTICALLY INCLINED APPLICATIONS.

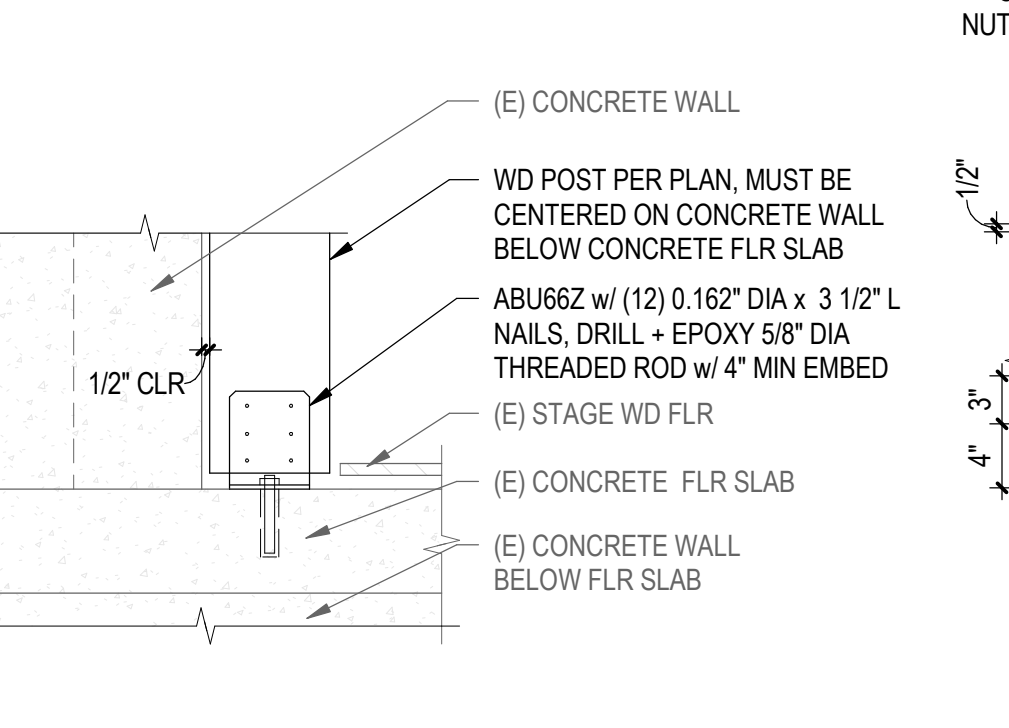
18 BUILDING 1 MUSIC ROOM AND STAGE ROOF CONN
SCALE: 1" = 1'-0"



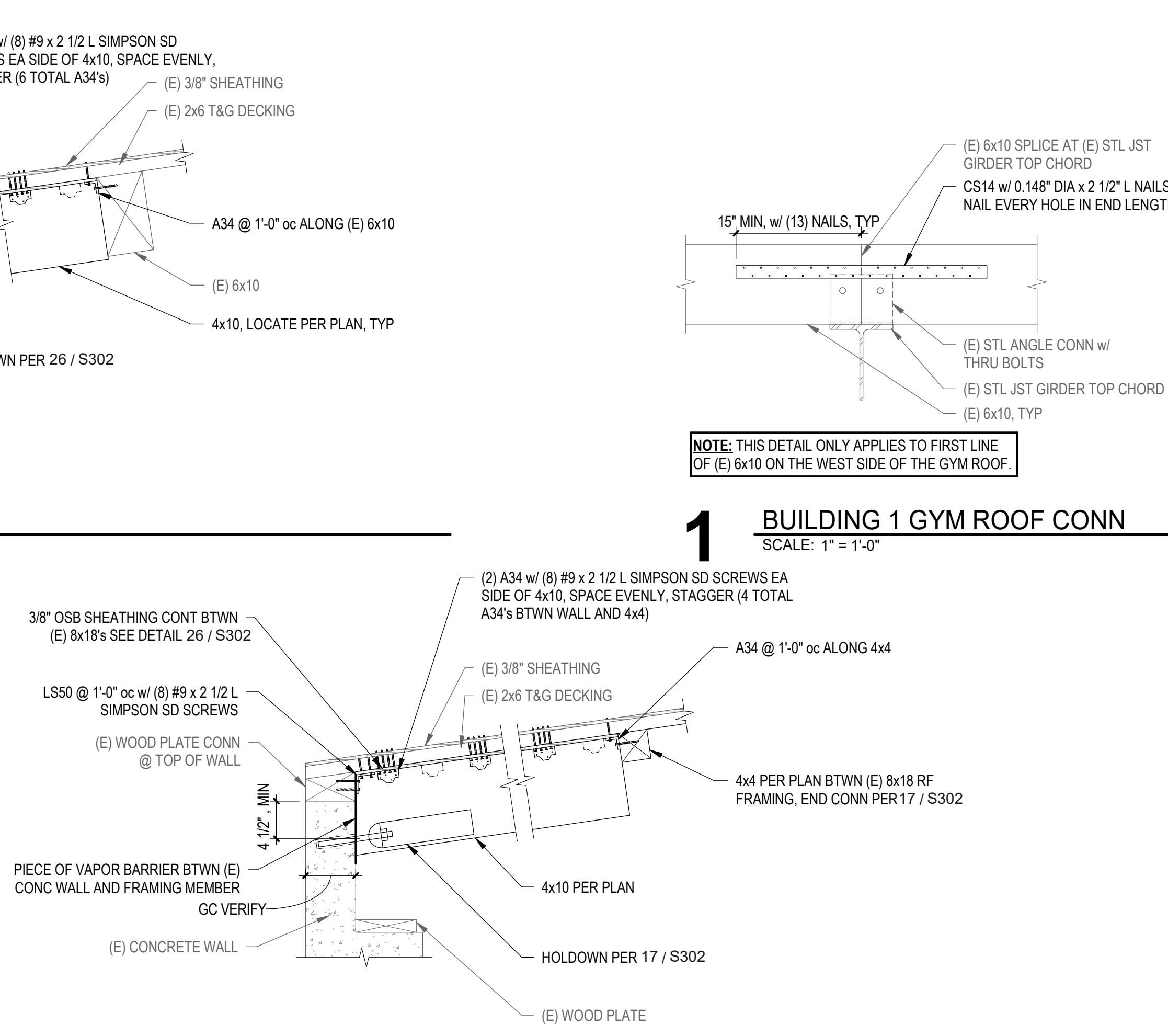
19 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"



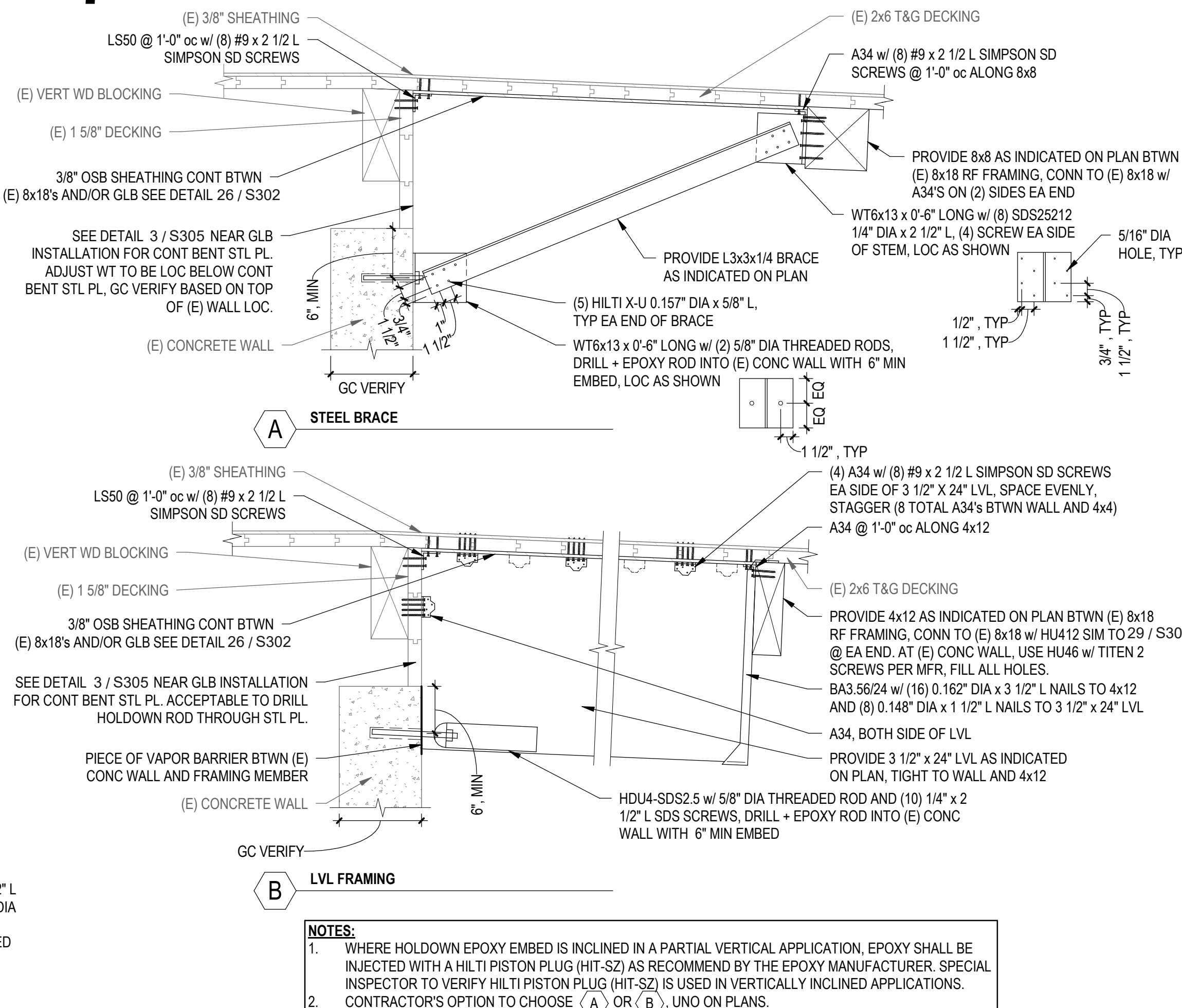
20 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"



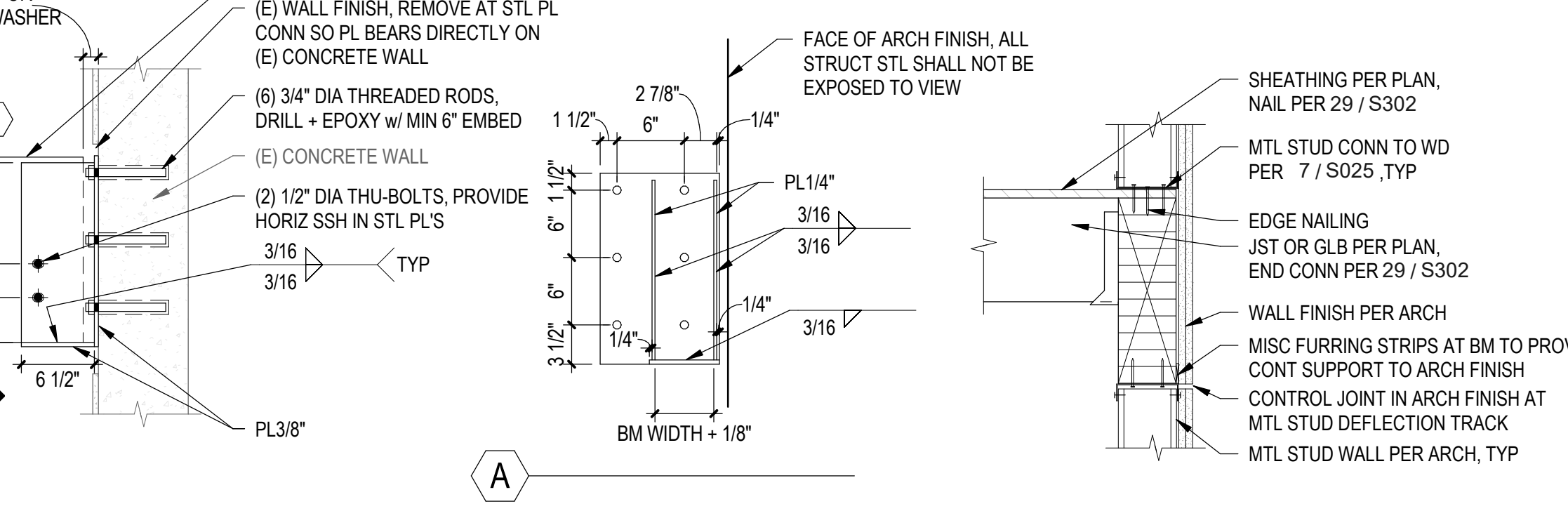
15 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"



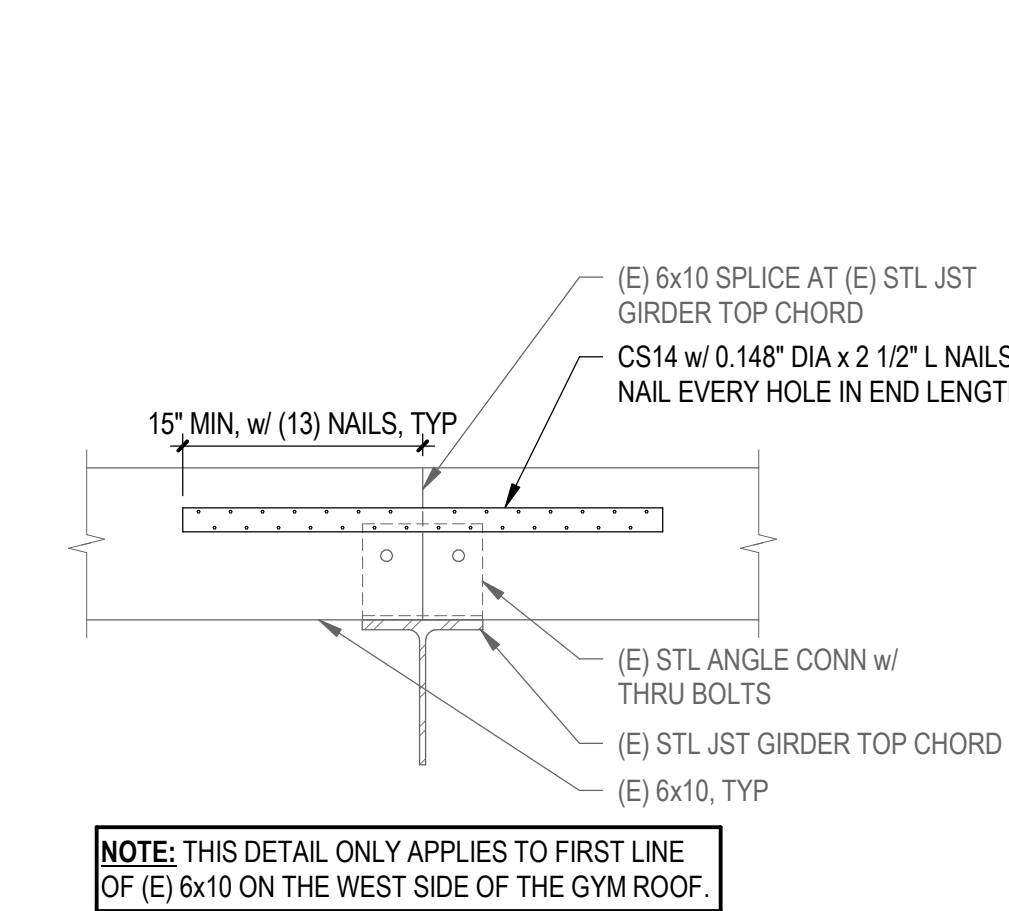
7 BUILDING 1 MUSIC ROOM AND STAGE ROOF CONN
SCALE: 1" = 1'-0"



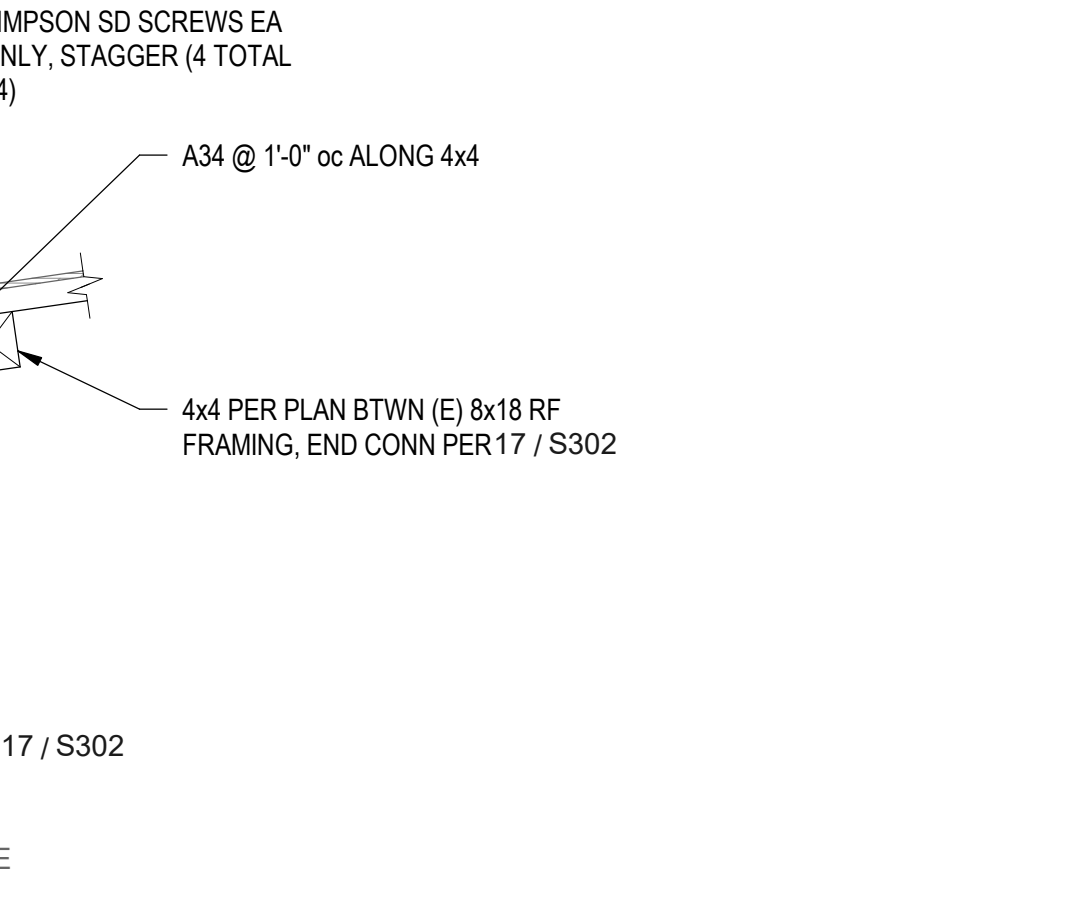
9 BUILDING 1 MUSIC ROOM AND STAGE ROOF CONN
SCALE: 1" = 1'-0"



10 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"



1 BUILDING 1 GYM ROOF CONN
SCALE: 1" = 1'-0"



5 WOOD MECH PLATFORM DETAIL
SCALE: 1" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

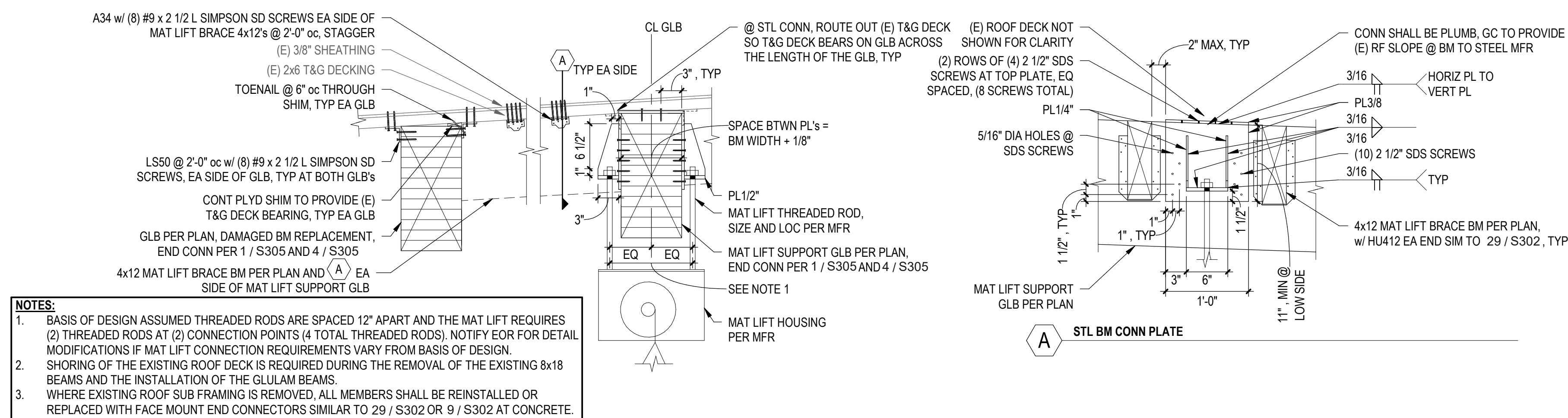
integrus ARCHITECTURE
117 SOUTH MAIN STREET, SUITE 100, SEATTLE, WA 98104
TELEPHONE: (206) 686-3137 FAX: (206) 686-3138



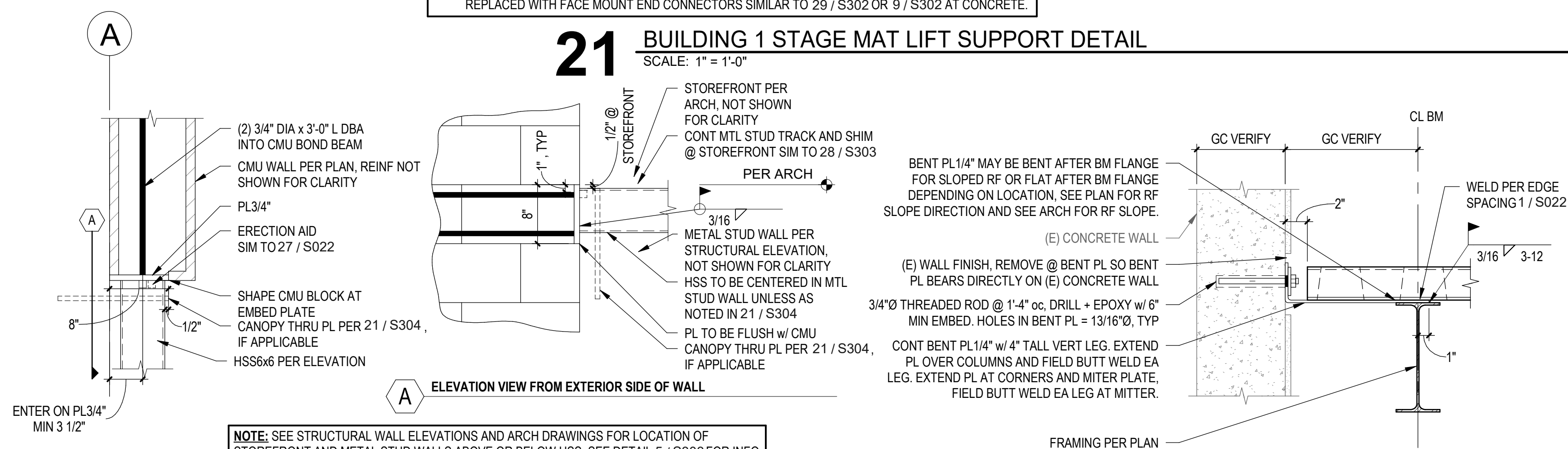
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	AM
Checked by:	TD
Revisions	
#	Date Description

FRAMING
DETAILS &
SECTIONS

S302



6 AUX GYM MAT LIFT SUPPORT DETAIL

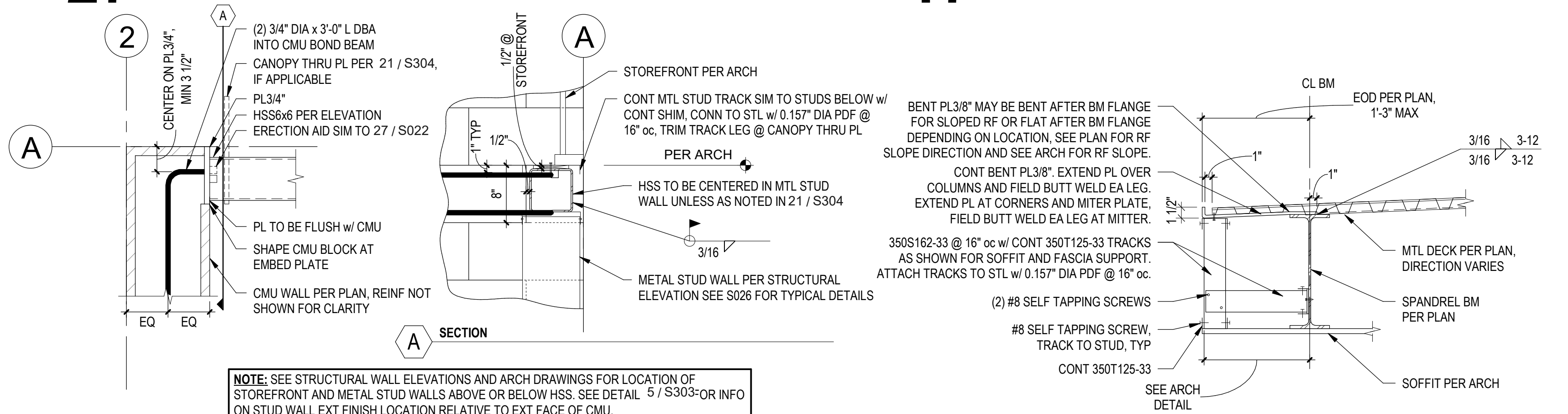


27 AUX GYM
SCALE: 1" = 1'-0"

17 VESTIBULE DECK EDGE ANGLE

12 VESTIBULE FRAMING DETAIL

2 VESTIBULE FRAMING DETAIL



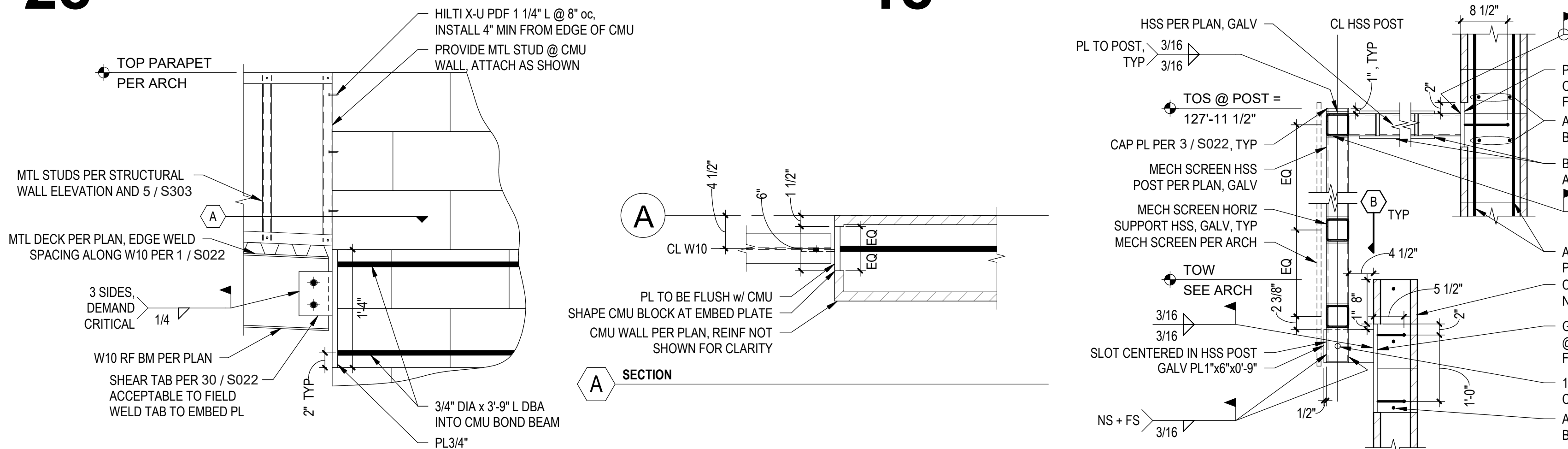
28 AUX GYM NORTH WINDOW DETAIL

18 CANOPY EDGE OF DECK DETAIL

13 VESTIBULE STOREFRONT DETAIL

Q VESTIBULE STOREFRONT DETAIL

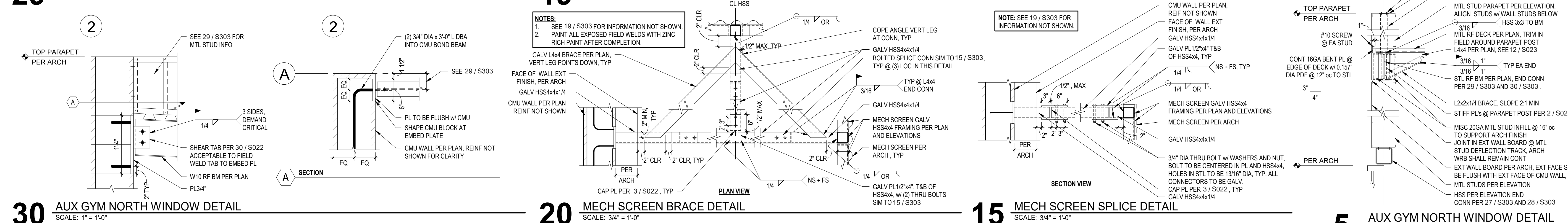
BOTH CENTERED
CONCRETE WALL



29 AUX GYM NORTH WINDOW DETAIL

19 MECH SCREEN FRAMING DETAIL

STUD WALL



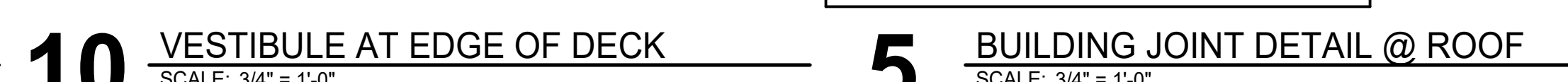
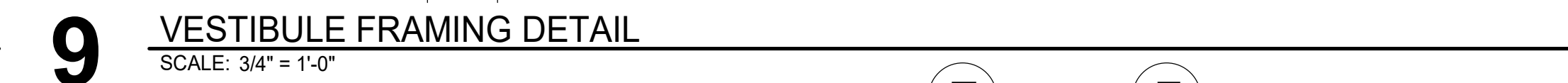
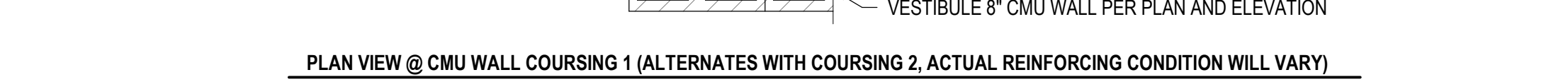
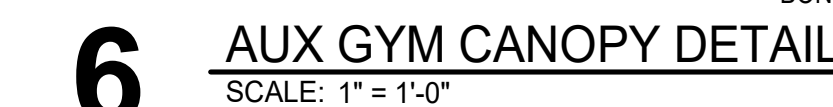
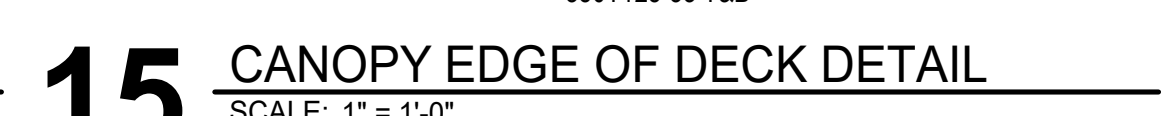
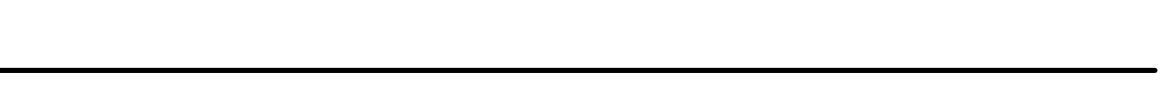
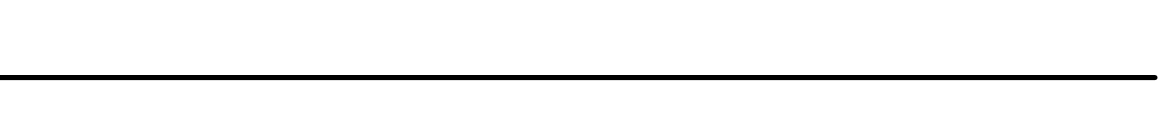
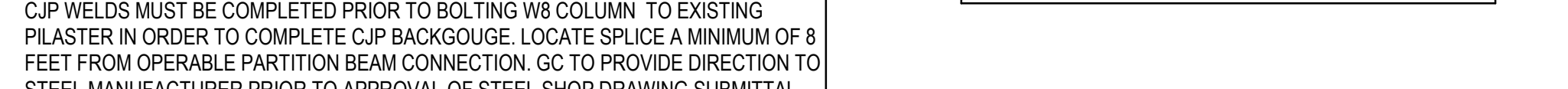
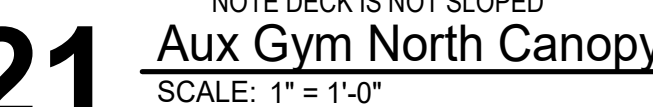
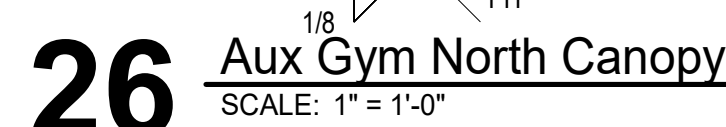
30 AUX GYM NORTH WINDOW DETAIL

20 MECH SCREEN BRACE DETAIL

15 MECH SCREEN SPLICE DETAIL
SCALE: 3/4" = 1'-0"

CONN PER 27 / S303 AND 28 / S303

F AUX GYM NORTH WINDOW DETAIL



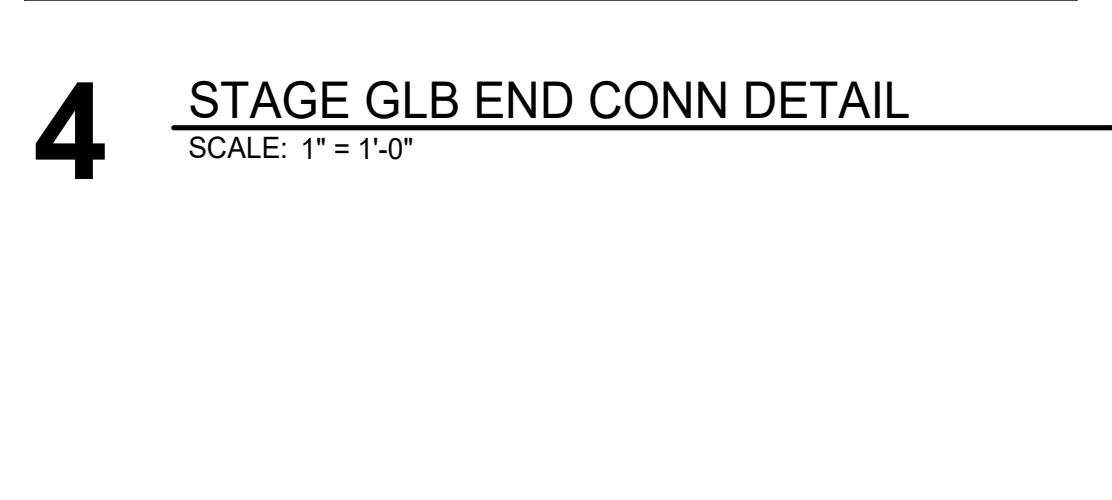
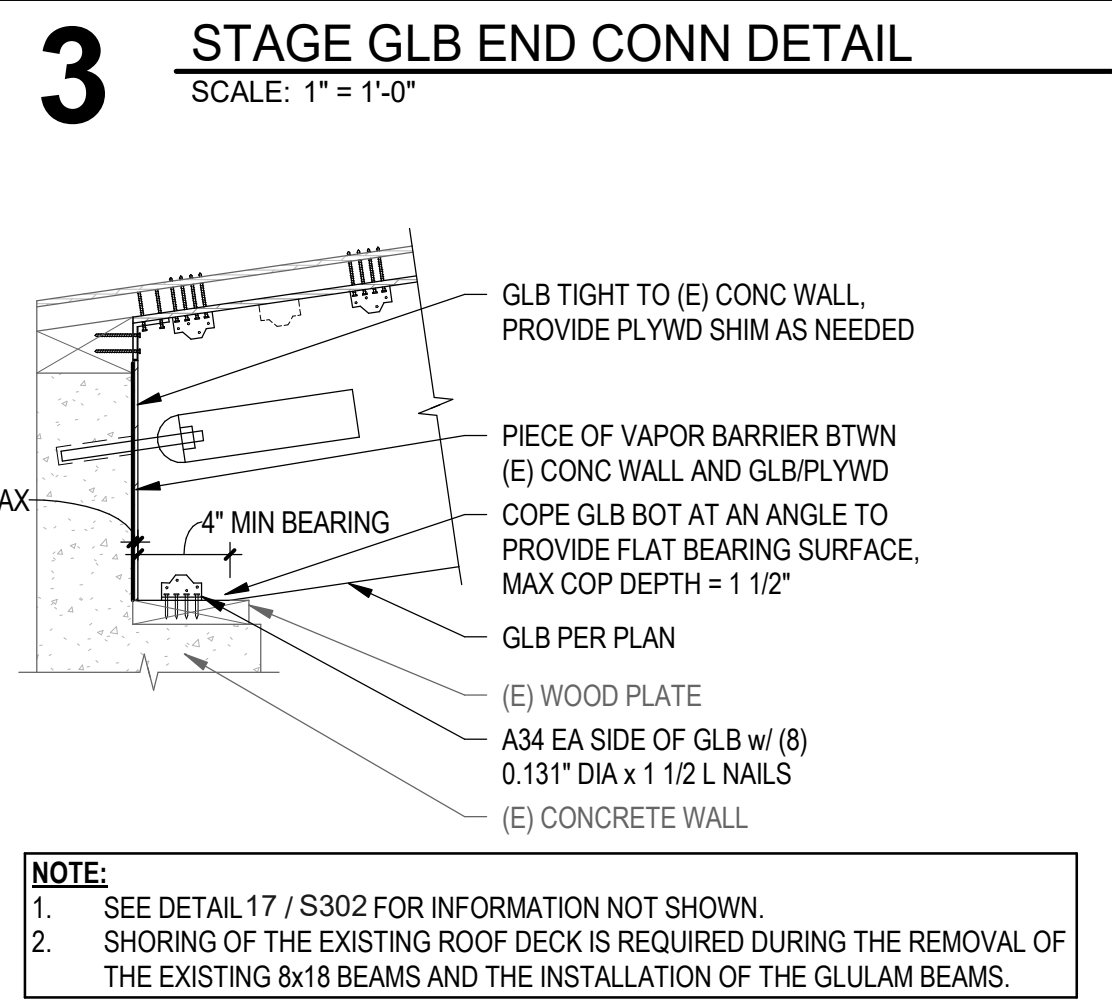
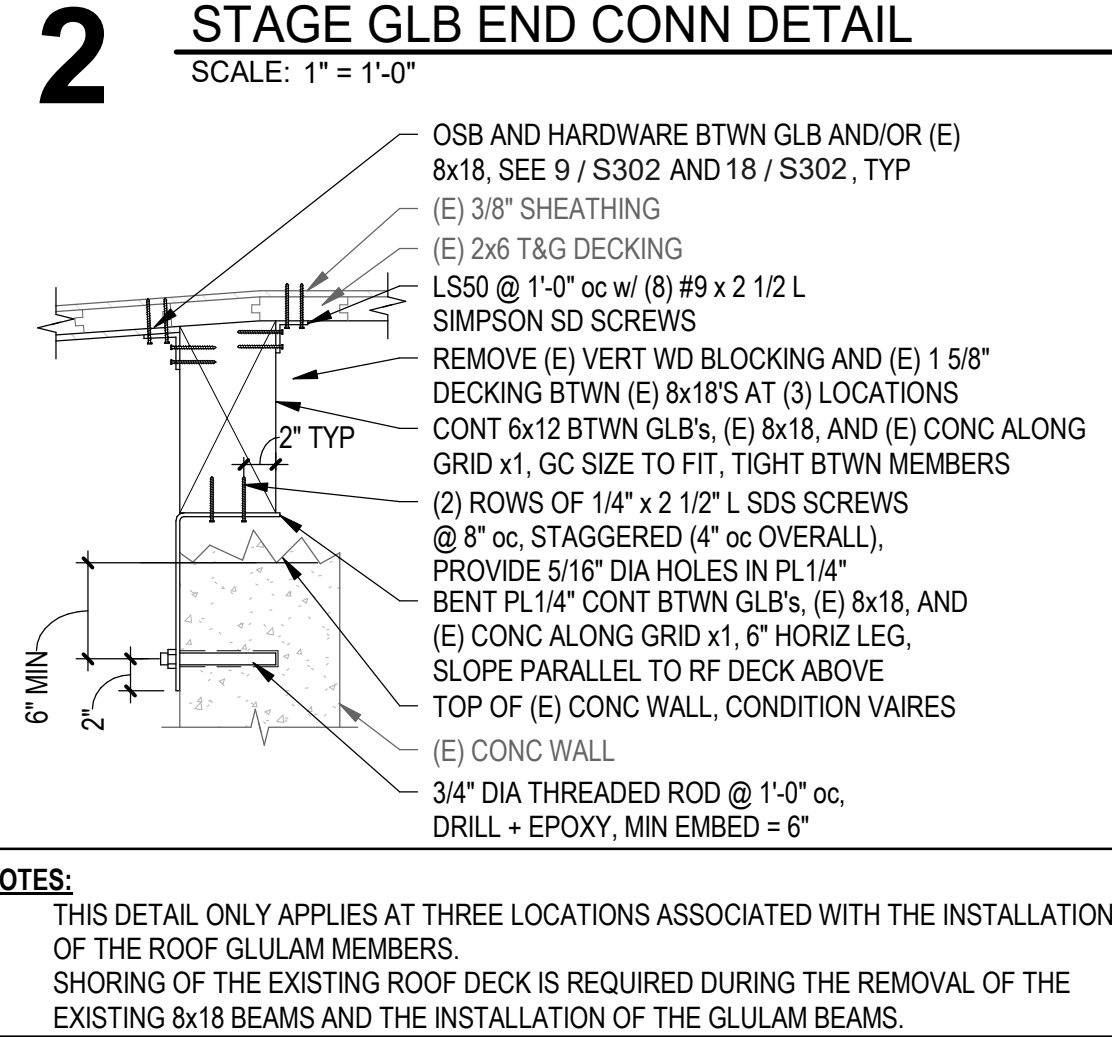
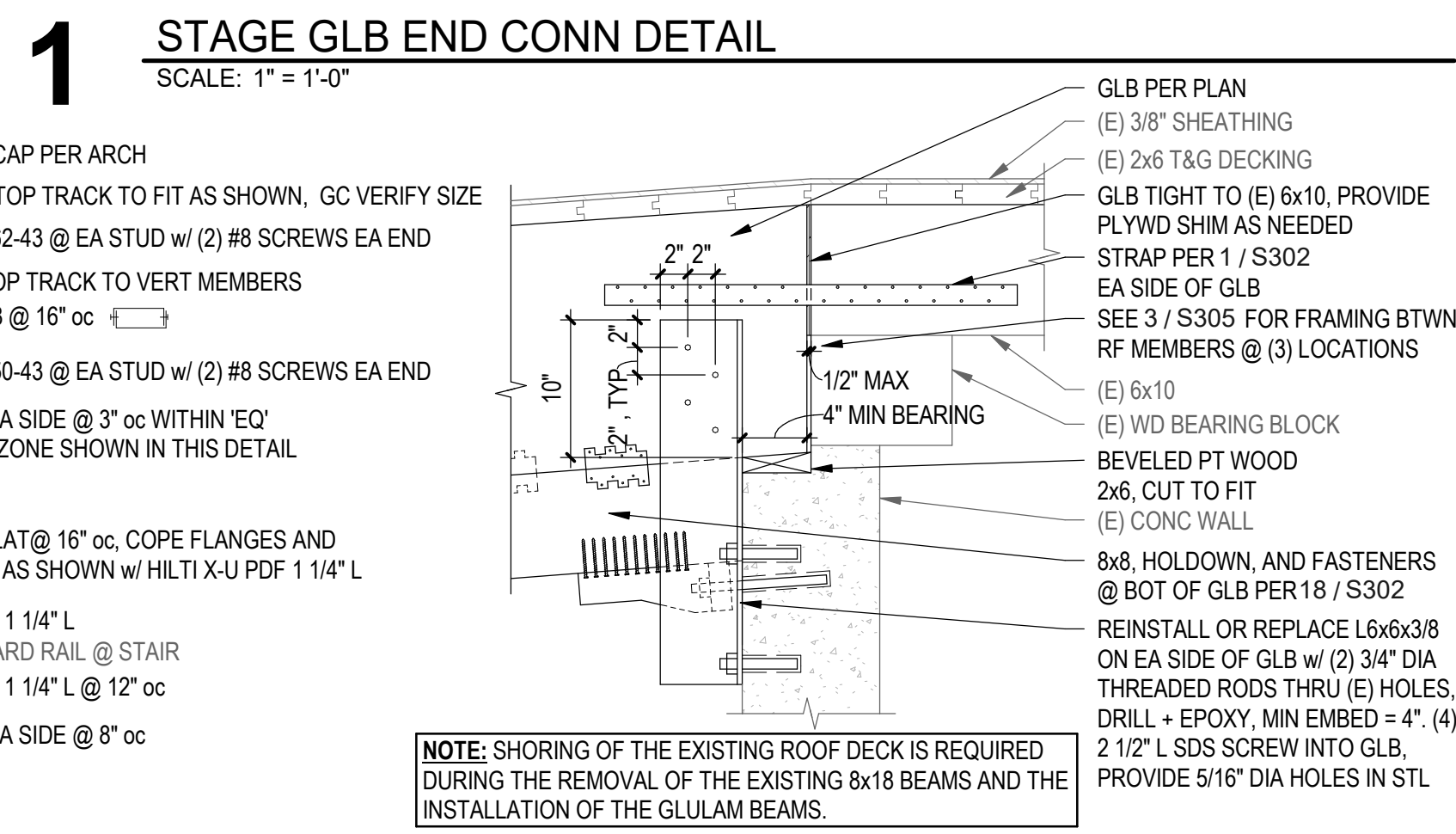
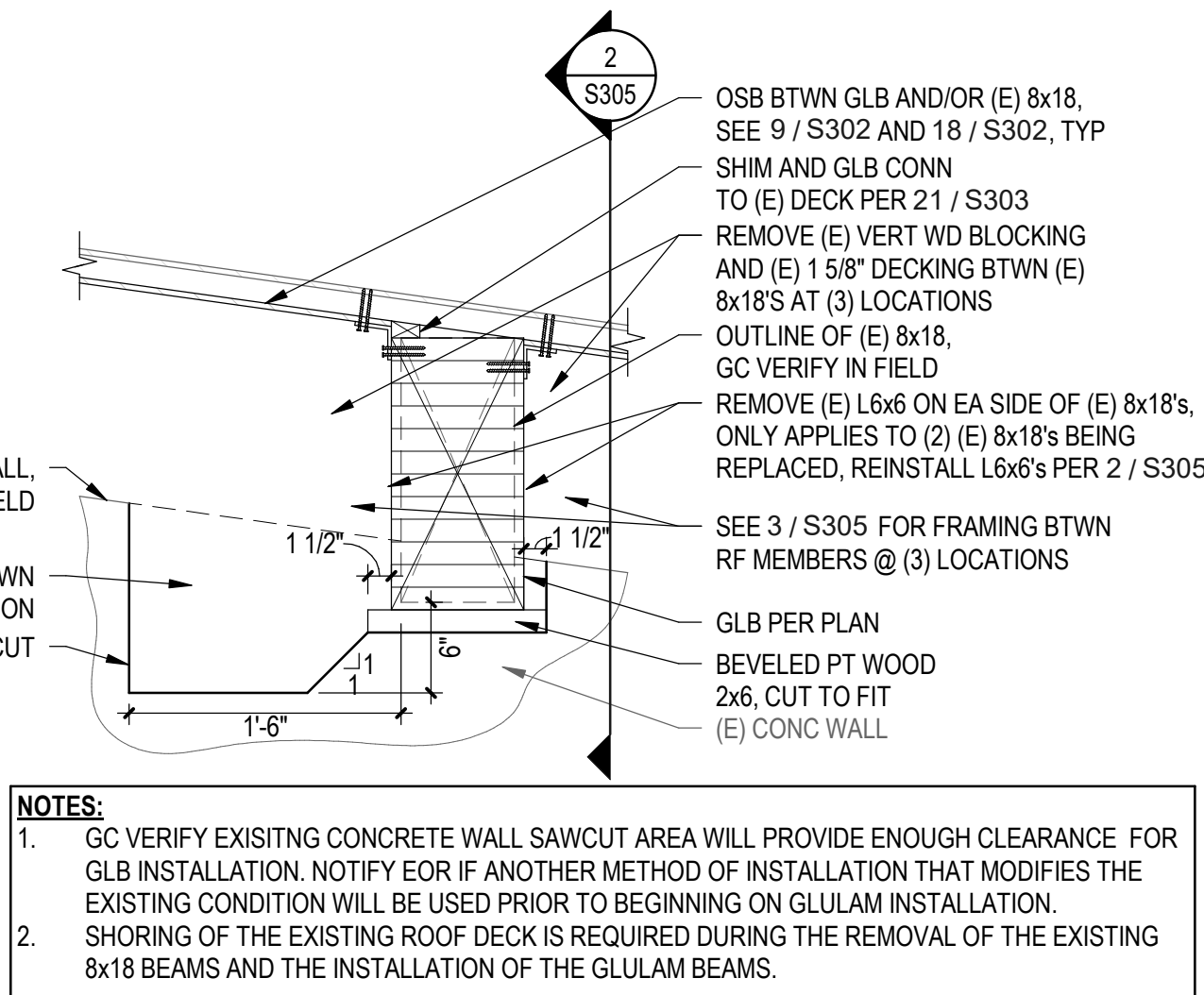


Date:	05/28/2021
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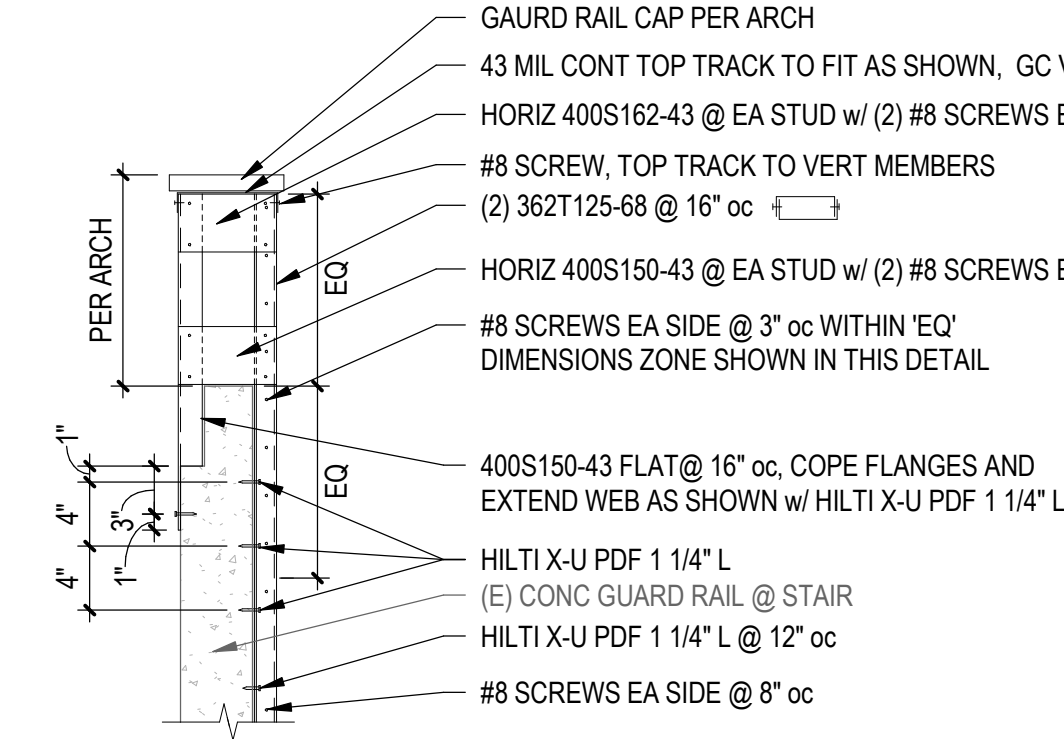
FRAMING
DETAILS &
SECTIONS

S305

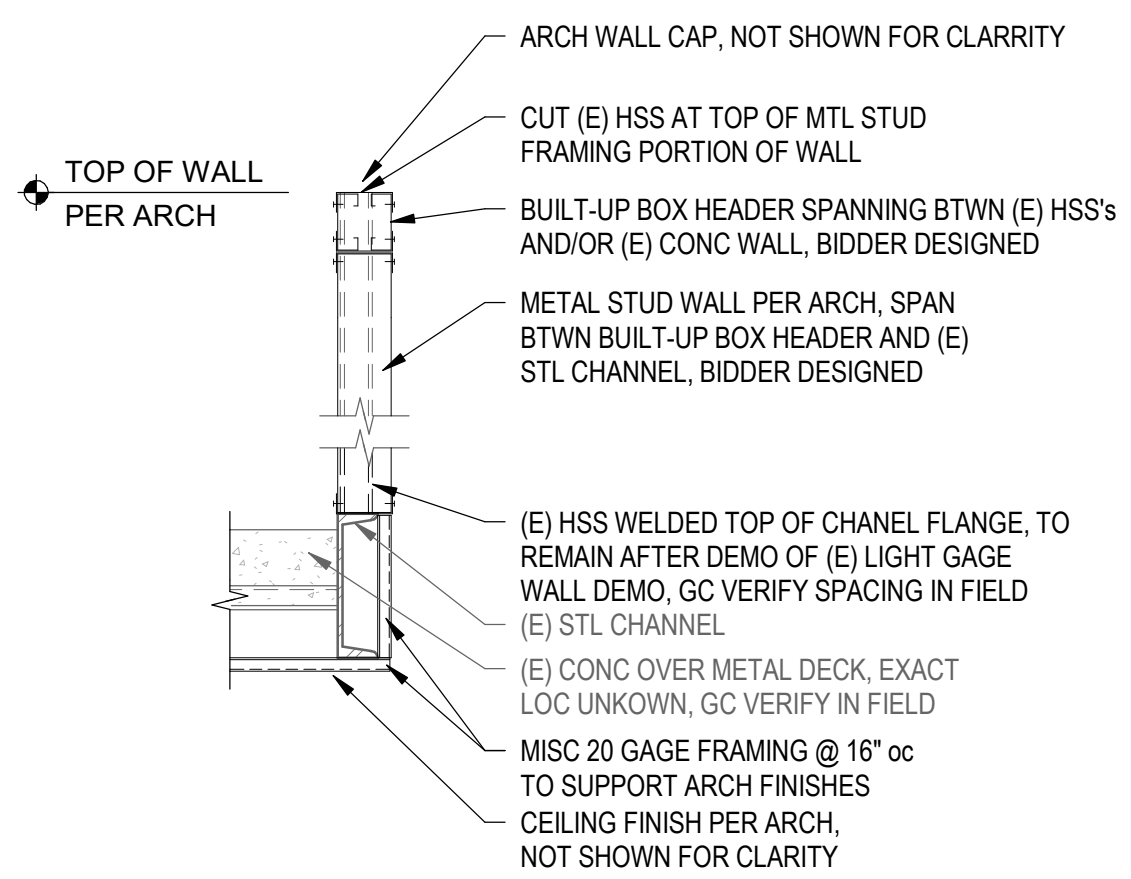
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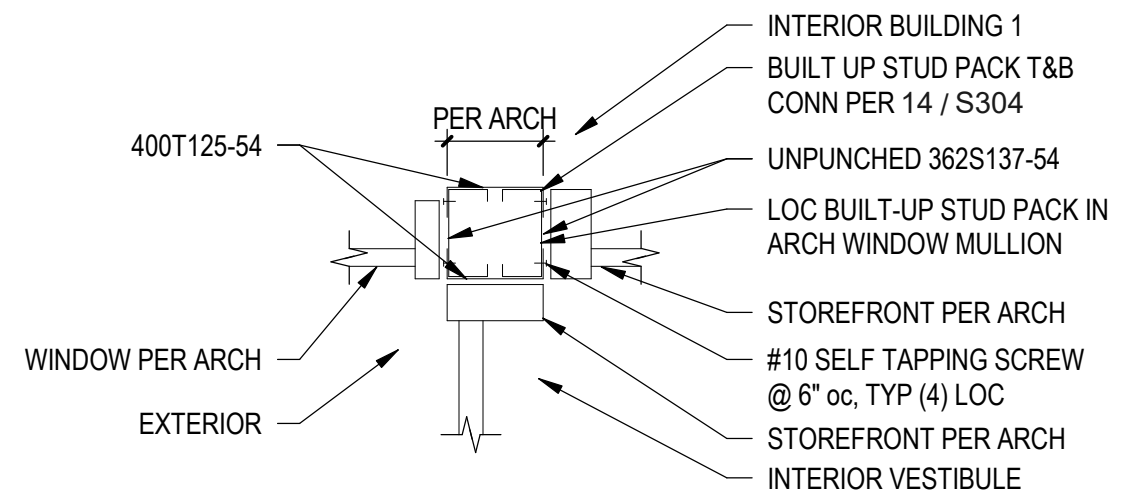
7 (E) STAIR GUARD RAIL EXTENSION



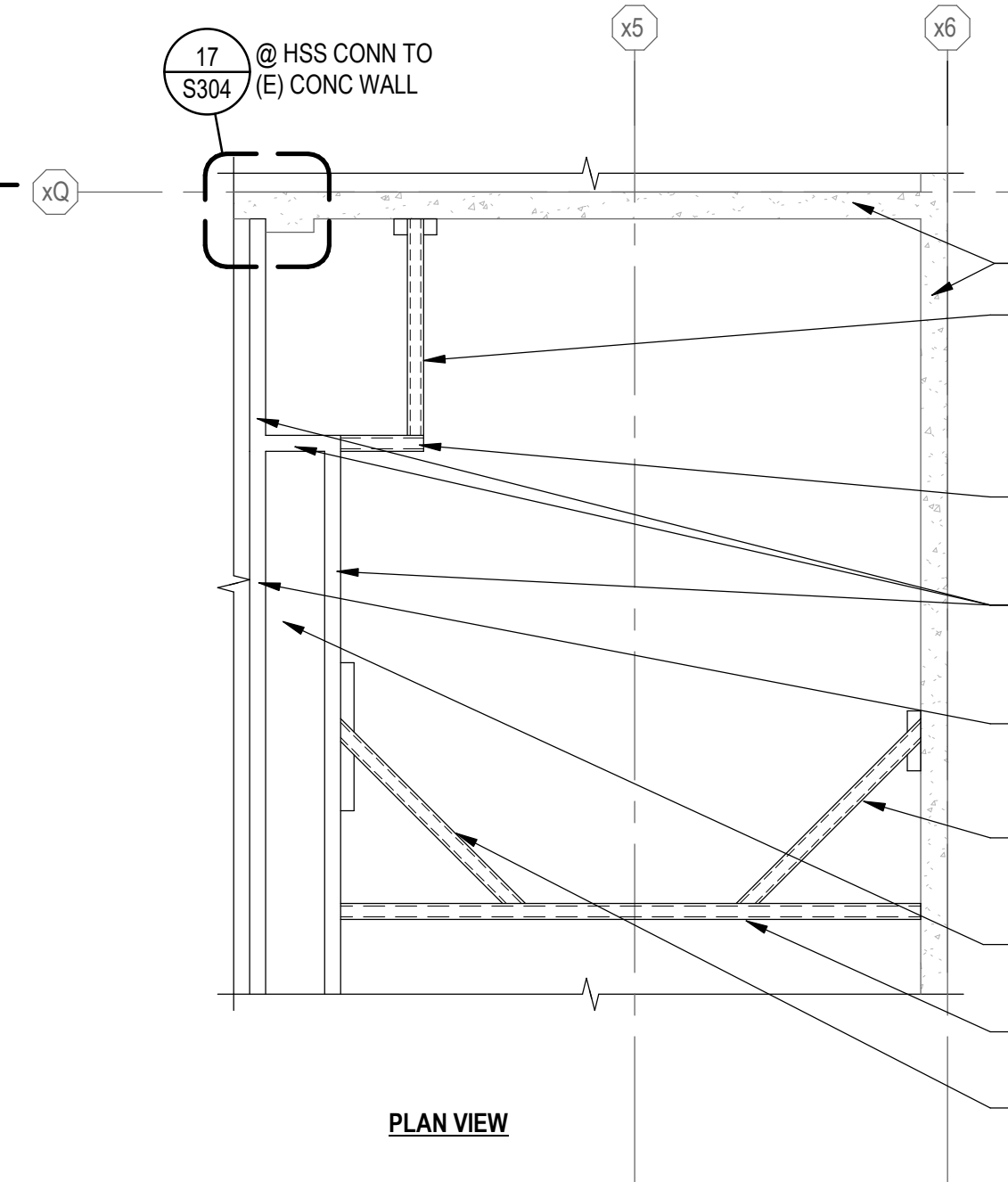
12 MAIN STAIR PONY WALL CONN DETAIL



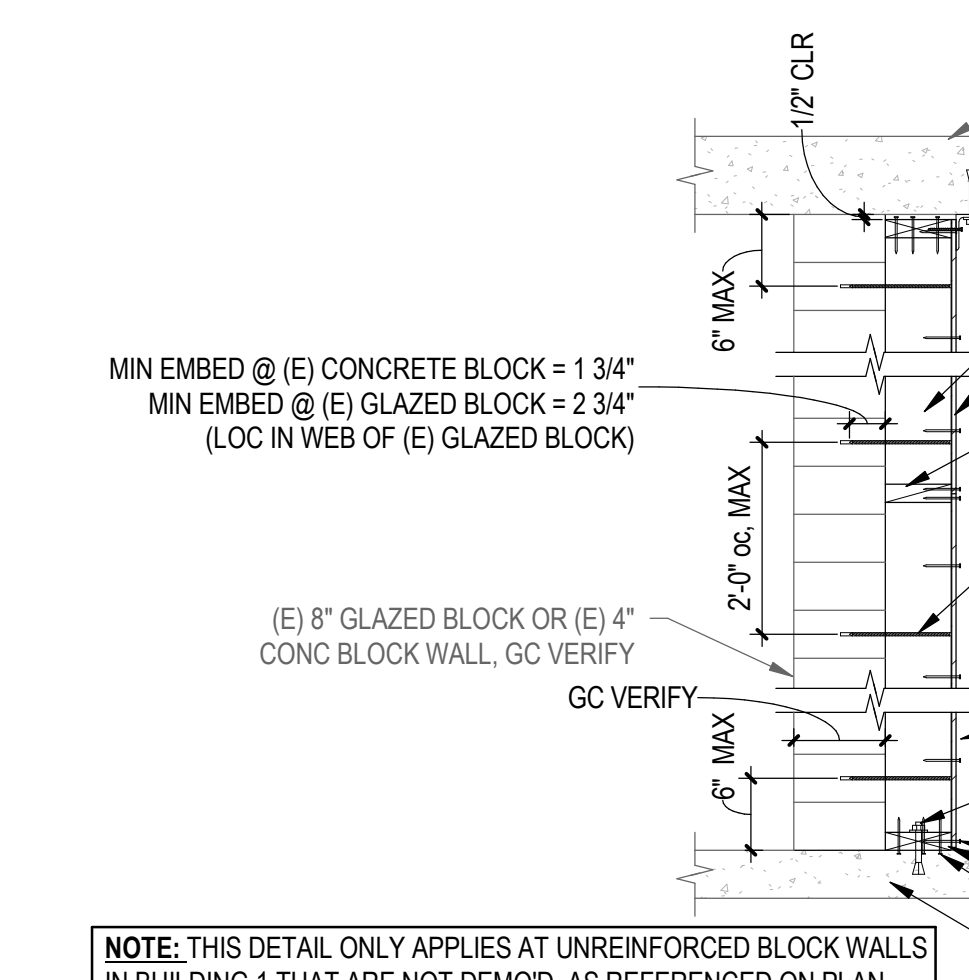
13 WINDOW MULLION MTL STUDS



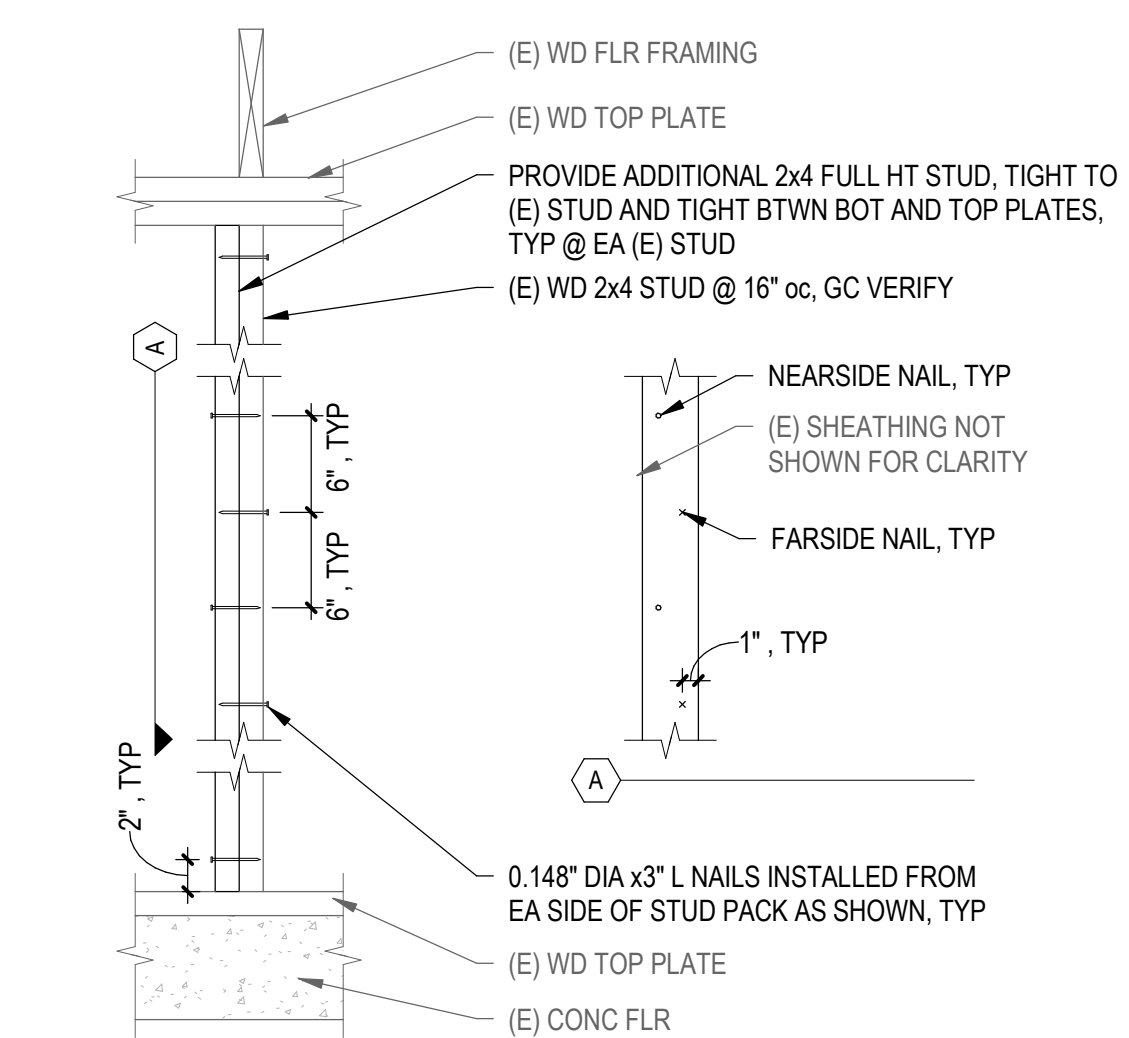
14 PARTIAL HEIGHT METAL STUD WALL BRACE



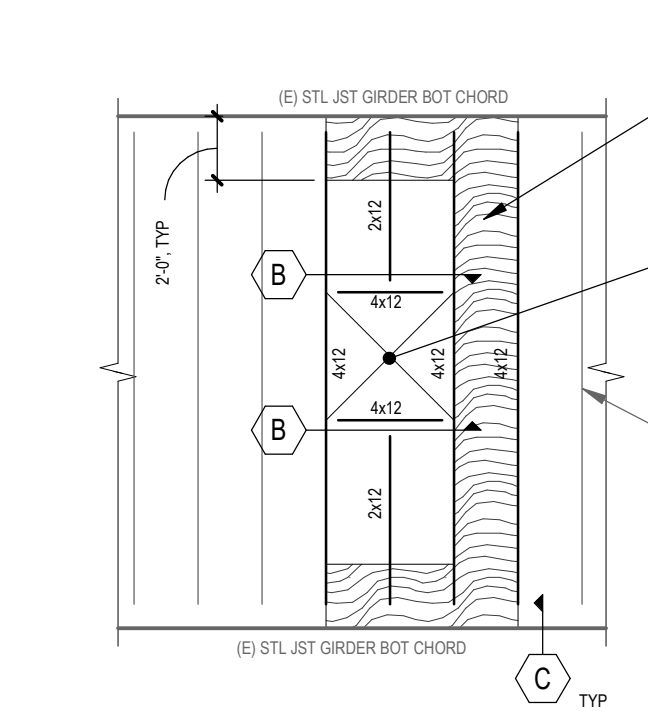
22 (E) BLOCK WALL REINFORCING



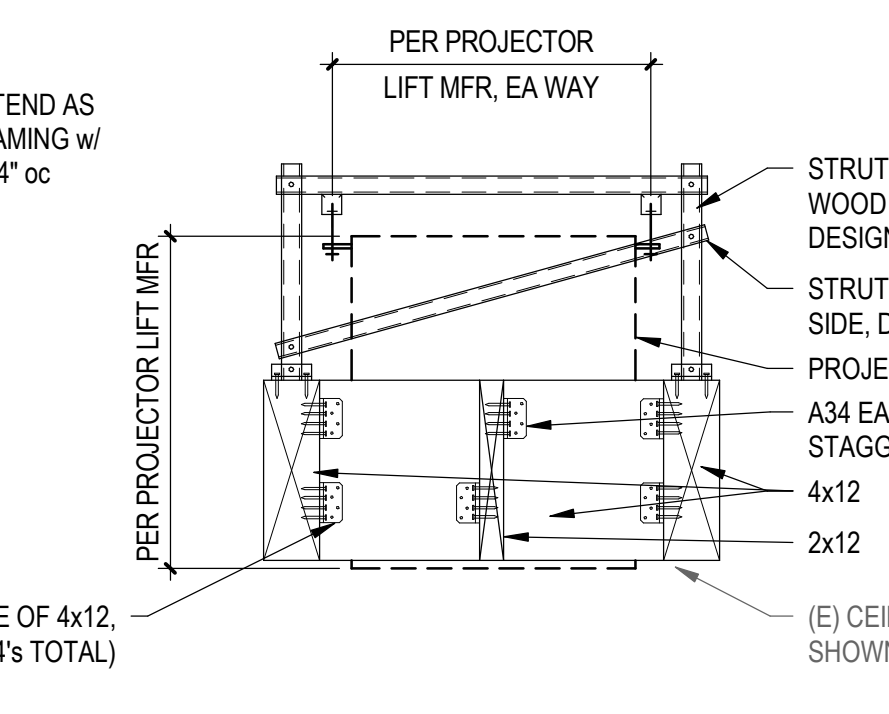
18 MECH MEZZANINE BUILT-UP WALL STUDS



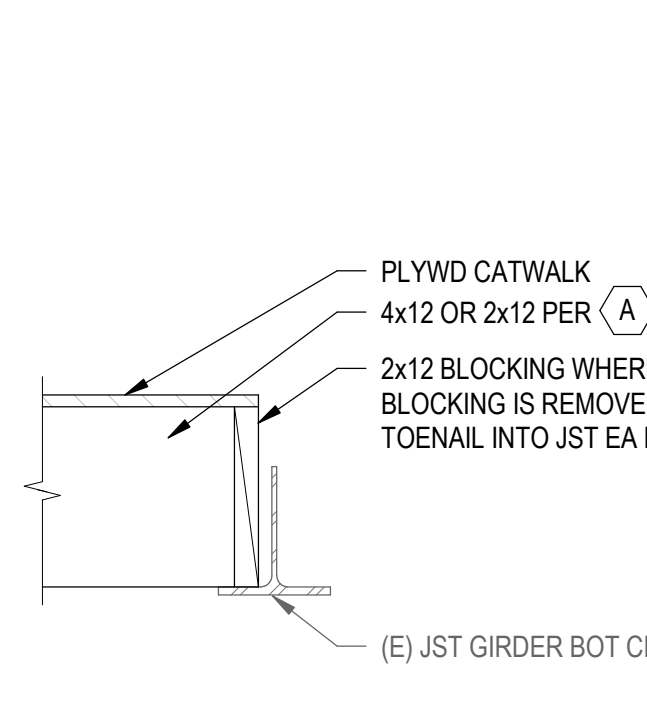
A ENLARGED CEILING FRAMING PLAN VIEW - NTS



B NORTH AND SOUTH ELEVATIONS OF PROJECTOR LIFT FRAMING

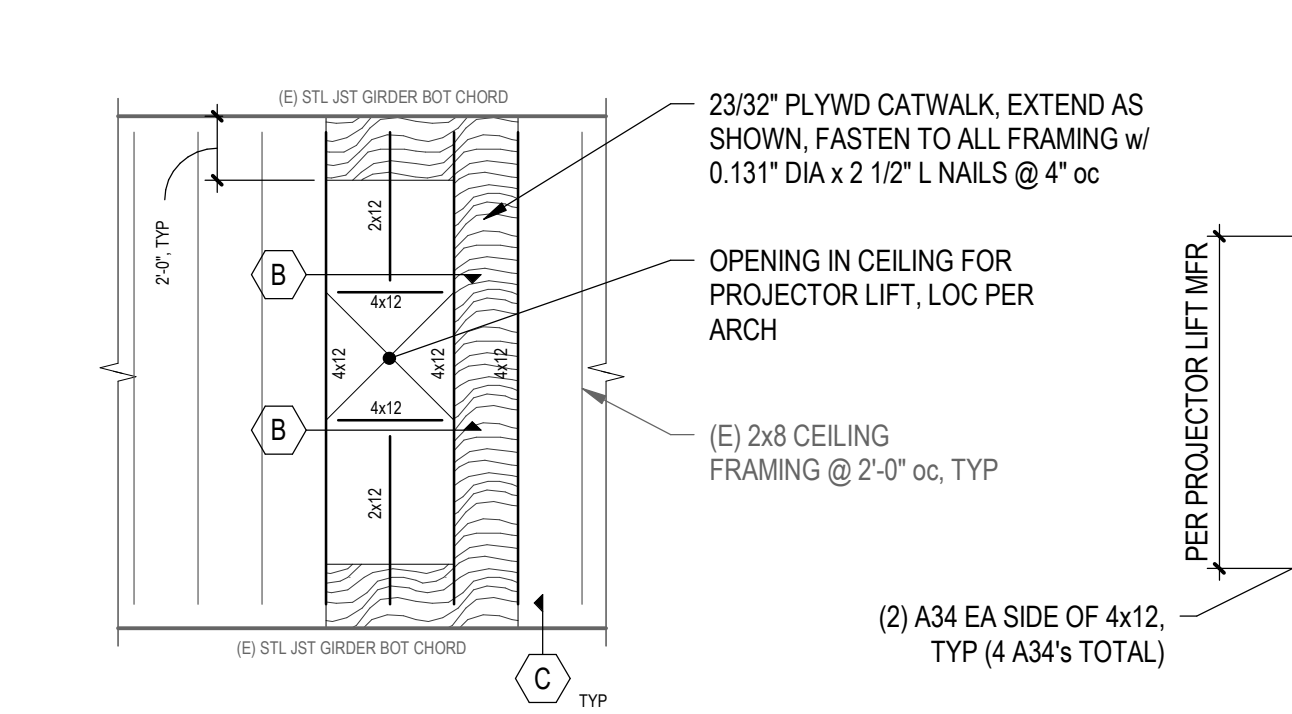


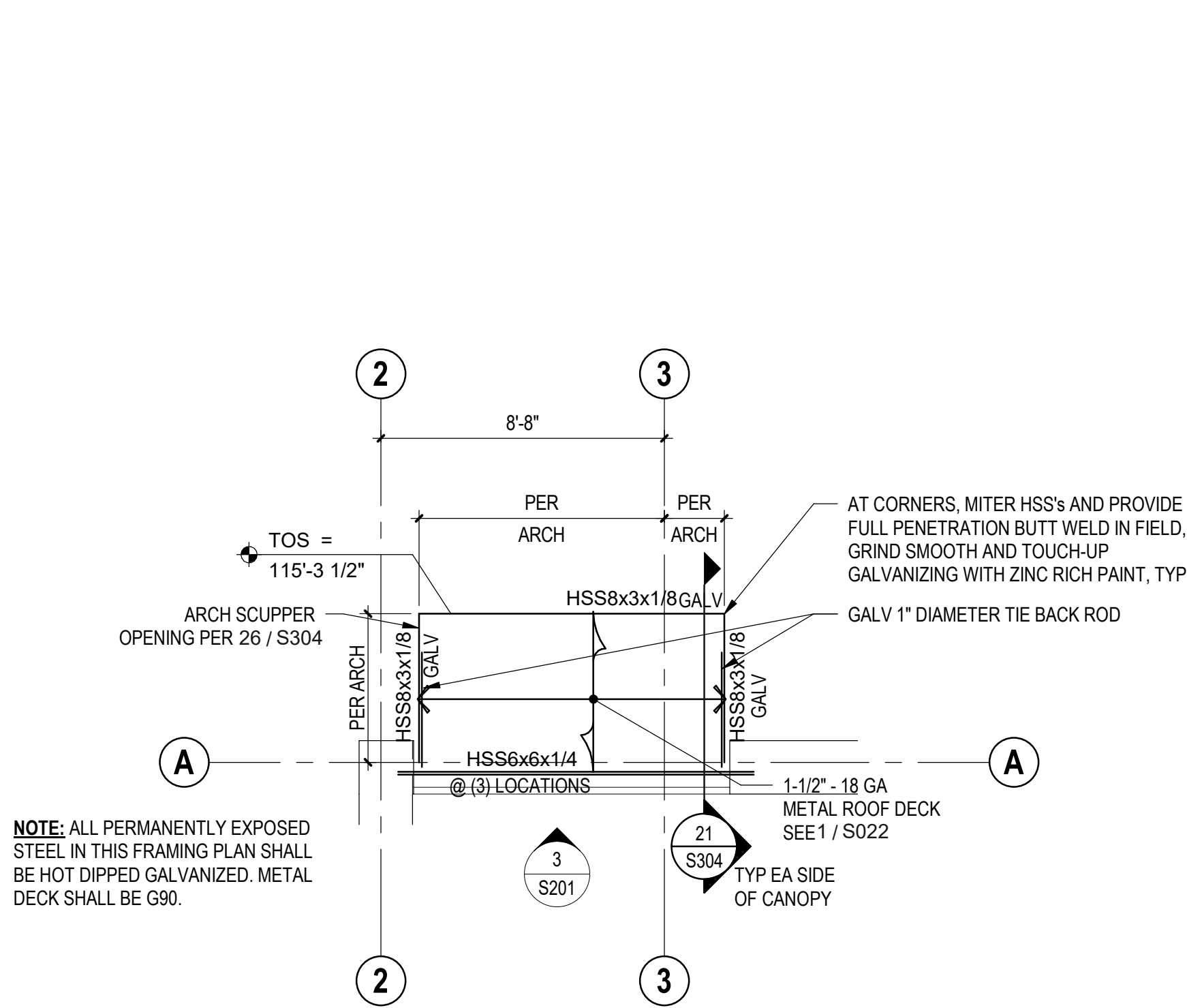
C WOOD FRAMING CONN TO (E) STL JST BOT CHORD



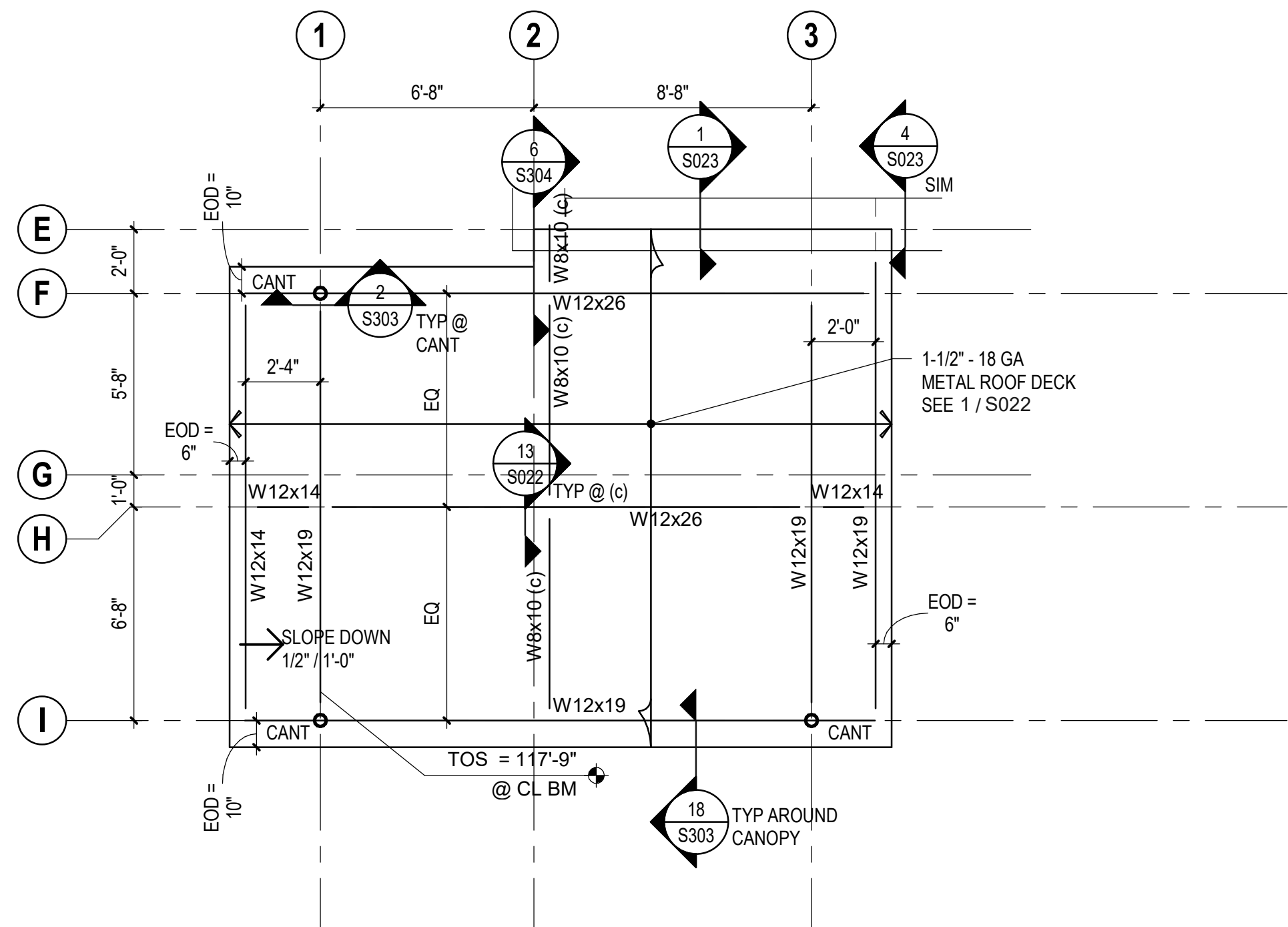
- NOTES:**
1. PROJECTOR LIFT MUST BE SUPPORTED BY PROVIDED CEILING FRAMING SHOWN IN THIS DETAIL. ATTACHMENT TO ROOF DECK ABOVE IS NOT ALLOWED. PROJECTOR LIFT STRUT SUPPORT FRAMING AND CONNECTIONS ARE DESIGNED BY OTHERS.
2. (E) CEILING T&G REMOVED DURING THE CONSTRUCTION OF THE DETAIL. MUST BE REPLACED IN ORDER TO PROVIDE SUPPORT FOR FINAL ARCH FINISH, SEE ARCH.

30 BUILDING 1 PROJECTOR LIFT CEILING FRAMING

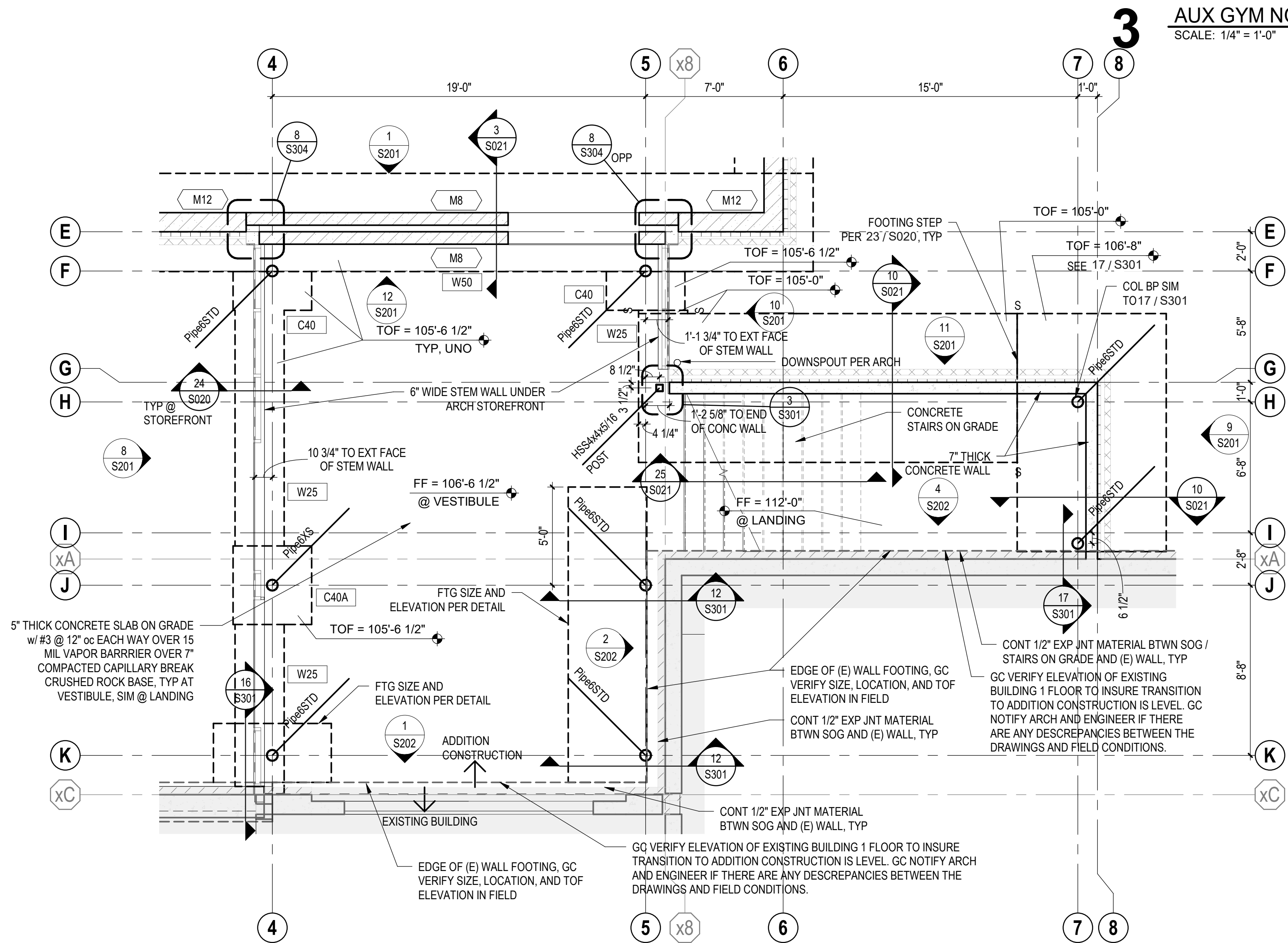




3 AUX GYM NORTH CANOPY FRAMING PLAN
 SCALE: 1/4\" = 1'-0"



1 AUX GYM CANOPY ENLARGED FRAMING PLAN
 SCALE: 1/4\" = 1'-0"



4 VESTIBULE ENLARGED FOUNDATION/FIRST FLOOR PLAN
 SCALE: 1/4\" = 1'-0"

- AUXILIARY GYM AND VESTIBULE FOUNDATION/FIRST FLOOR PLAN NOTES:**
- BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'
 - SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
 - SEE SHEETS S020-S025 FOR TYPICAL DETAILS.
 - VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
 - TOP OF FOOTING IS 1'-0" BELOW LOWEST ADJACENT GRADE. TYPICAL UNLESS NOTED OTHERWISE. CONTRACTOR SHALL LOWER FOOTINGS FROM ELEVATIONS INDICATED WHERE CONFLICTS WITH UTILITIES/PLUMBING OCCUR. CONTRACTOR SHALL NOTIFY EOR WHERE CONFLICTS ARISE.
 - CONTINUE ALL WALL FOOTING AND STEM WALL REINFORCING THROUGH COLUMN FOOTINGS WHEREVER THEY INTERSECT.
 - FOR TYPICAL SLAB-ON-GRADE CONSTRUCTION SEE SHEET S020.
 - SEE GEOTECHNICAL REPORT BY PBS, PROJECT #73400.004, DATED JULY 7, 2020, FOR REQUIREMENTS OF SUITABLE BEARING SOILS. REFER TO GENERAL STRUCTURAL NOTES FOR REQUIRED INSPECTIONS AND SUBMITTALS. SEE \$100.00 FOR SOIL IMPROVEMENT REQUIRED AT THE AUXILIARY GYM/ VESTIBULE AREA.
 - WHERE TOP OF SUITABLE BEARING SOILS IS BELOW FOOTING AND/OR SLAB BEARING ELEVATIONS, PROVIDE STRUCTURAL FILL ACCORDING TO FOUNDATION AND SLAB UNDERLAYMENT DETAIL.
 - EXTEND LONGITUDINAL FOOTING REINFORCING INTO ADJACENT FOOTING WITH EXTENSION LENGTH EQUAL TO THE TYPICAL HORIZONTAL SPLICE LENGTH REQUIRED BY THE CONC REINF SPLICE TABLE ON SHEET S001.
 - APPLY COAL TAR EPOXY TO ALL STRUCTURAL STEEL SURFACES, INCLUDING ANCHOR BOLTS, EXPOSED TO SOIL IN THE FINISHED CONDITION.
 - SEE DETAIL 3 / S020 FOR FLOOR CONTROL JOINT LAYOUT REQUIREMENTS. CONTRACTOR SHALL SUBMIT JOINT LOCATIONS FOR ARCHITECTURAL APPROVAL PRIOR TO SLAB-ON-GRADE PLACEMENT. SEE ARCHITECTURAL FOR ADDITIONAL INFO ON CONTROL JOINTS (INCLUDING LAYOUTS) IN EXPOSED TO VIEW LOCATIONS.
 - GRID LINES ARE LOCATED ON THE FACE OF CMU WALLS, UNO.
 - SEE DETAIL 7 / S021 FOR NOTCHED STEM WALL @ PIPE COORD PIPE LOCATIONS w/ CIVIL & MECHANICAL.
 - HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
 - (E) = EXISTING

STEEL COLUMNS AND POSTS:

- ALL COLUMNS BEAR AT TOP OF FOOTING OR TOP OF PIER. VERTICAL STEEL ELEMENTS SHOWN IN PLAN ARE 'COLUMNS', UNLESS NOTED OTHERWISE.
- COLUMNS ARE CENTERED AT GRIDLINE INTERSECTIONS, UNLESS NOTED OTHERWISE.
- ALL POSTS BEAR AT TOP OF SLAB OR STEM WALL. VERTICAL STEEL ELEMENTS ARE ONLY POSTS IF LABELED 'POST' IN PLAN.
- SEE THE FOLLOWING DETAILS FOR ADDITIONAL INFORMATION:

COLUMN BASE PLATE:	POST BASE PLATE:	COLUMN FOOTING:	COLUMN POUR BACK:

KEY FOUNDATION NOTES:

- DESIGNATES FLOOR DRAIN. SLOPE 1/4" TOWARD CENTER AT FLOOR DRAIN OVER AN 18" RADIUS. VERIFY NUMBER AND LOCATION w/ PLUMBING PLANS.
- DESIGNATES FOOTING STEP. SEE DETAIL 23 / S020
- DESIGNATES PIPE THROUGH FOOTING OR STEM WALL.
- LOCATE PER MECHANICAL. SEE DETAIL 7 / S021

CMU WALL SCHEDULE

Mark	Wall Type	REINFORCING		SOLID GROUT
		VERT	HORIZ	
M8	8" CMU	#5 @ 24" oc, CENTERED	#5 @ 32" oc, CENTERED	YES
M12	12" CMU	#5 @ 32" oc, EA FACE	#5 @ 32" oc, EA FACE	YES

FOOTING SCHEDULE - COLUMN

MARK	SIZE			REINFORCING (BOTTOM UNO)
	WIDTH	LENGTH	DEPTH	
C40	4'-0"	4'-0"	12"	(4) #5 EACH WAY
C40A	4'-0"	4'-0"	24"	(4) #5 EACH WAY T&B
C40B	4'-0"	6'-0"	12"	(4) #5 LONG w/ (6) #5 TRANS

FOOTING SCHEDULE - WALL

MARK	SIZE		REINFORCING
	WIDTH	DEPTH	
W25	2'-6"	12"	(3) #5 LONG w/ #5 TRANS @ 12" oc
W40	4'-0"	12"	(6) #5 LONG w/ #5 TRANS @ 12" oc
W40A	4'-0"	12"	(6) #5 LONG T&B w/ #4 STIRRUPS @ 12" oc
W40B	4'-0"	24"	(7) #5 LONG T&B w/ #5 STIRRUPS @ 12" oc
W50	5'-0"	24"	(7) #7 LONG T&B w/ #5 STIRRUPS @ 12" oc

2 VESTIBULE ENLARGED ROOF FRAMING PLAN
 SCALE: 1/4\" = 1'-0"

AUXILIARY GYM AND VESTIBULE ROOF FRAMING PLAN NOTES:

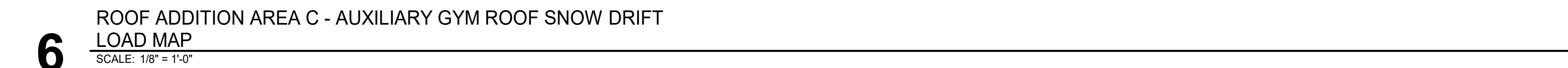
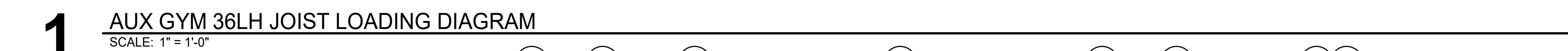
- BENCHMARK ELEVATION 106'-6 1/2" EQUALS SURVEY ELEVATION 33.25'
- SEE SHEETS S001-S003 FOR GENERAL STRUCTURAL AND SPECIAL INSPECTION NOTES.
- SEE SHEETS S020-S025 FOR TYPICAL DETAILS.
- SEE SHEET S001 FOR JOIST LOADING DIAGRAM AND LOAD MAPS.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
- REPETITIVE FRAMING IS SPACED EQUALLY BETWEEN DIMENSIONED ELEMENTS, WITH THE NUMBER OF EQUAL SPACES GRAPHICALLY INDICATED IN PLAN, UNLESS NOTED OTHERWISE.
- BEAMS FRAMING INTO WALL ENDS AND COLUMNS ARE ALIGNED CENTERLINE TO CENTERLINE WITH THEIR SUPPORTS, UNLESS NOTED OTHERWISE.
- NOT ALL REQUIRED ROOF OPENINGS ARE SHOWN IN PLAN. COORDINATE WITH ARCHITECTURAL DRAWINGS AND MEP SUBCONTRACTORS PRIOR TO ORDERING SHOP DRAWINGS FOR STEEL, JOISTS AND DECK. FRAMING IS REQUIRED AROUND ALL DECK OPENINGS. USE TYPICAL DETAILS IF FRAMING IS NOT SHOWN IN PLAN.
- SEE DETAIL 1 / S022 FOR ROOF DECK ATTACHMENT TO SUPPORTS.
- BOD SHALL BE AS SHOWN ON PLAN. TOP OF STRUCTURAL STEEL = BOT OF DECK, UNO. TOP OF COLUMN = BOD, UNO.
- STEEL MEMBERS DESIGNATED AS (c) ARE COLLECTORS. WELD SHEAR TAB EACH END PER 13 / S022 OR 14 / S022.
- AT ALL EXTERIOR BEAMS AND CHORDS/COLLECTORS (c) PROVIDE FULL HEIGHT SHEAR TABS.
- HOT DIP GALVANIZE ALL STEEL MEMBERS AND CONNECTIONS PERMANENTLY EXPOSED TO WEATHER.
- AT CANTILEVERS DESIGNATED AS "CANT" ON PLAN, CANTILEVER MEMBER SIZE SHALL MATCH BACKSPAN MEMBER SIZE UNLESS NOTED OTHERWISE.

TYPICAL STEEL FRAMING CONNECTIONS NOTES:

- BEAMS SPANNING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS/JOISTS ARE DESIGNATED AS GIRDERS. GIRDERS ARE TO HAVE A THRU-PLATE CONNECTION PER THE TYPICAL STEEL BEAM TO COLUMN CONNECTION DETAIL.
- BEAMS/GIRDERS MARKED WITH (c) ARE SEISMIC COLLECTORS. THESE BEAMS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM. METAL ROOF DECK SHALL BE ATTACHED TO (c) MEMBERS WITH EDGE FASTENER SPACING PER 1 / S022.

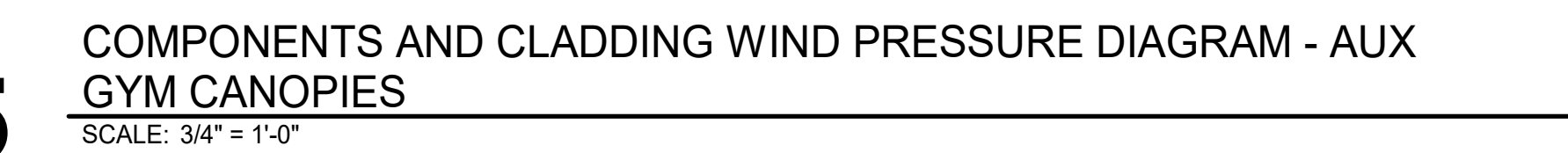
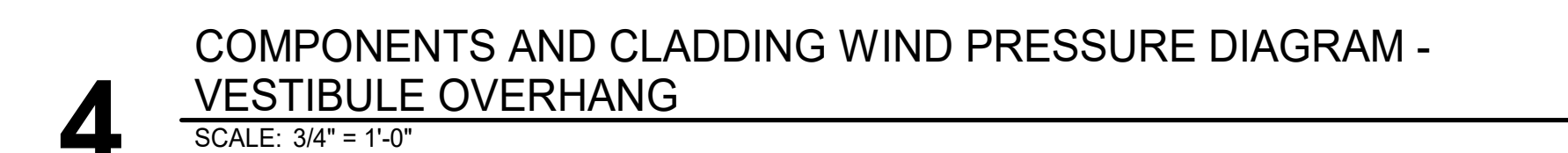
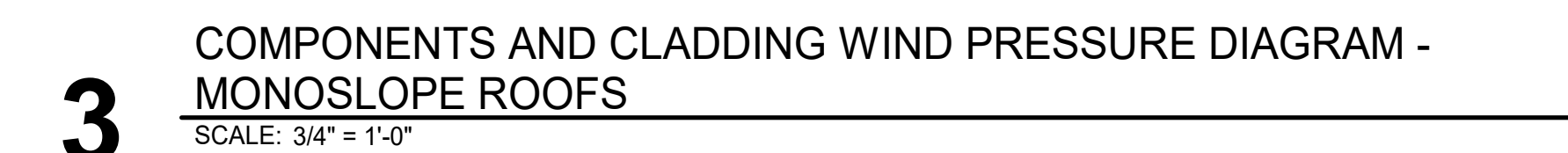
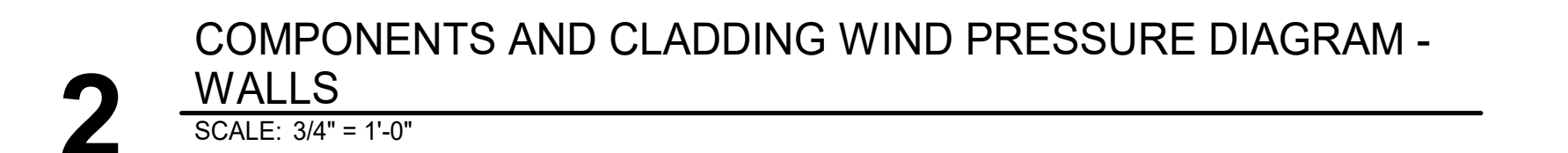
TYPICAL BEAM BOLTED CONNECTION:	COLLECTOR BEAMS (c) TO BEAMS:	COLLECTOR BEAMS (c) TO COLUMNS:	TYPICAL BEAM TO COLUMN:	TYPICAL COLUMN CLOSURE PLATE:

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	AM
Checked by:	TD
Revisions	
#	Date Description



KEY:
DL = DEAD LOAD
LL = LIVE LOAD
LLr = ROOF LIVE LOAD
SL = SNOW LOAD
E = SEISMIC LOAD
WL = WIND LOAD
PSF = POUNDS PER SQUARE FOOT
PLF = POUNDS PER LINEAR FOOT
= POUNDS

1. JOIST TO BE DESIGNED FOR LOAD COMBINATIONS AS REQ'D PER IBC 2018 SECTION 1605.1, INCLUDING EITHER STRENGTH DESIGN COMBINATIONS (PER SECTION 1605.2) OR ALLOWABLE-STRESS DESIGN COMBINATIONS (PER SECTION 1605.3.1 OR SECTION 1605.3.2). THE SPECIFIED VALUES OF LOAD COMPONENTS (E.G., DL, LL, SL, ETC.) ARE UNFACTORED. LOAD COMPONENTS TO BE COMBINED PER THE APPROPRIATE COMBINATIONS AS DESCRIBED W/ SPECIFIED LOAD COMPONENT VALUES MULTIPLIED BY COMPONENT FACTORS PER THE APPLICABLE LOAD COMBINATIONS. NOTE THAT FACTORS FOR WIND (WL) AND SEISMIC (E) COMPONENTS ARE ALWAYS LESS THAN 1.0 FOR ALL IBC ALLOWABLE STRESS LOAD COMBINATIONS.
2. WIND LOADS (WL) AND SEISMIC LOADS (E) ARE ULTIMATE.
3. MAX LL DEFLECTION IS L/360, UNLESS NOTED OTHERWISE.
4. MAX TOTAL DEFLECTION IS L/240, UNLESS NOTED OTHERWISE.
5. ADDITIONAL 500# DL POINT LOAD AT ANY POINT ALONG THE TOP & BOTTOM CHORDS TO BE APPLIED AT EACH JOIST IN ADDITION TO ALL OTHER LOADINGS. POINT LOADS TO BE APPLIED TOGETHER OR SEPARATELY TO PRODUCE THE WORST CASE LOADING AND TO BE CHECKED FOR LOCALIZED BENDING.
6. SEE PLAN FOR SPACINGS. WIND UPLIFT LOADS SHALL BE COMPUTED AS THE GREATER OF: A NET UPLIFT OF 16 PSF (LRFD) OR THE NET WIND UPLIFT AS A RESULT OF THE IBC 2018 LOAD COMBINATIONS OF THE JOIST LOADS SHOWN.
7. COORDINATE LOCATION AND SIZE OF ALL MECHANICAL DUCTS W/ MECHANICAL TO AVOID CONFLICTS WITH JOIST DIAGONALS, BOTTOM OR TOP CHORDS, AND BRIDGING.
8. SPECIFIED AXIAL CONCENTRATED LOADS (TYPICALLY V/L OR E LOAD COMPONENTS) ARE APPLIED TO JOIST TOP CHORD. FOR EACH LOAD COMPONENT (WL OR E), DESIGN TO CONSIDER WORST-CASE COMBINATION OF LOAD DIRECTIONS PER NOTE 1. ANY NET UNBALANCE IN SPECIFIED HORIZONTAL LOADS ARE ASSUMED TO BE RESISTED BY A UNIFORMLY-DISTRIBUTED HORIZONTAL SHEAR LOAD APPLIED ALONG JOIST TOP CHORD.
9. JOIST POINT LOADS TO BE APPLIED TOGETHER OR SEPARATELY TO PRODUCE THE WORST-CASE LOAD EFFECTS. JOISTS TO BE DESIGNED FOR LOCALIZED BENDING PRODUCED BY ALL POINT LOADS. JOIST POINT LOADS DENOTED "+/-" MAY ACT IN EITHER THE INDICATED (POSITIVE) DIRECTION, OR THE OPPOSITE (NEGATIVE) DIRECTION. JOIST DESIGN TO CONSIDER BOTH DIRECTIONS AS SEPARATE LOAD CASES.
10. JOIST DIAGRAMS INDICATED DIRECTION OF LOAD ACTION FOR POSITIVE VALUES OF LOAD. FOR VERTICAL LOADS, POSITIVE VALUES INDICATED DOWNWARD-ACTING LOADS AND NEGATIVE VALUES INDICATED UPWARD-ACTING LOADS (UPLIFT).
11. BOTH UNIFORM SNOW LOAD AND SNOW DRIFTING LOADS ARE PROVIDED. INDIVIDUAL JOISTS SHALL BE DESIGNED USING THE UNIFORM SNOW LOAD OR THE SNOW DRIFTING LOADS, WHICHEVER PRODUCES THE WORST CASE LOADING.
12. ALL LH JOIST SEATS TO BE 6" DEEP AT CENTERLINE OF MASONRY WALL, UNLESS NOTED OTHERWISE.
13. JOIST SELF-WEIGHT IS NOT INCLUDED IN JOIST LOADING DIAGRAMS.



JOIST LOADING DIAGRAMS AND LOAD MAPS

ARCHITECTURAL ABBREVIATIONS

A	
A/C	AIR CONDITIONING
AB	ALUMINUM BASE, ANCHOR BOLT
ABF	AIR BARRIER - FLUID APPLIED
ABS	AIR BARRIER - SHEET
ABV	ABOVE
ACC	ACCESS, ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADD	ADDENDUM
ADDT	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJACENT
ADJST	ADJUSTABLE
ADMIN	ADMINISTRATIVE
AF	ACCESS FLOORING
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMD	ACOUSTICAL METAL DECK
ANOD	ANODIZED
AP	ACOUSTICAL PANEL
APLD	APPLIED
APP	ACRYLIC PLASTER PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT, ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
ATO	AUTOMATIC TOWEL DISPENSE
ATTEN	ATTENUATION
AUTO	AUTOMATIC
AVG	AVERAGE

B	
BATT	BLANKET INSULATION
BCS	BABY CHANGING STATION
BD	BOARD
BDI	BOARD INSULATION
BEL	BELOW
BET	BETWEEN
BIT	BITUMINOUS
BLCR	BLEACHER
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BOD	BOTTOM OF DECK
BPL	BEARING PLATE
BR&S	BACKER ROD AND SEALANT
BRG	BEARING
BRK	BRICK
BSMT	BASEMENT
BTM	BOTTOM
BVL	BEVELED

C	
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CBU	CEMENTITIOUS BACKER UNIT
CC	CENTER TO CENTER, CUBICAL CURTAIN
CD	CONSTRUCTION DOCUMENTS
CDS	CASEWORK DESIGN SERIES
CEM	CEMENT
CER	CERAMIC
CFL	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CH	COAT HOOK
CHAM	CHAMFER
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCUMFERENCE, CIRCULAR
CJ	CONTROL JOINT
CKT	CRICKET
CL	CENTERLINE
CLF	CHAINLINK FENCE
CLG	CEILING
CLN	CLEAN
CLO	CLOSET
CLR	CLEAR, CLEARANCE
CLRM	CLASSROOM
CLS	CLOSURE
cm	CENTIMETER
CMP	COMPOSITE METAL PANEL
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COM	COMMUNICATION
COMB	COMBINATION
COMP	COMPOSITION, COMPOSITE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CPTA	CARPET AREA RUG
CPTT	CARPET TILE
CR	COLD ROLLED
CRS	COURSE
CSG	CASING
CSI	CONSTRUCTION SPECIFICATION INSTITUTE
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	COUNTER
CTSK	COUNTERSUNK
CU	CUBIC
CUST	CUSTODIAN
CW	COLD WATER, CURTAIN WALL
CWK	CASEWORK

D	
DBL	DOUBLE
DD	DESIGN DEVELOPMENT
DE	DRY ERASE WALLCOVERING
DEMO	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DET	DETAIL
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIAM	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DMP	DAMPER
DMT	DEMOUNTABLE
DN	DOWN
DP	DAMP/PROOFING
DR	DOOR
DS	DOWNSPOUT
DT	DRAIN TILE
DW	DRYWELL, DISH WASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER

E	
(E)	EXISTING
EA	EAST
EAC	EACH
EB	EXPANSION BOLT
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATED FINISH SYSTEM
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENC	ENCLOSURE
ENT	ENTRANCE
EP	EPOXY PAINT
EQ	EQUAL
EOP	EQUIPMENT
ESC	ESCUTCHEON
EW	EACH WAY
EXCAV	EXCAVATE
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR

F	
FA	FIRE ALARM OR FRESH AIR
FAB	FABRIC
FAF	FLUID APPLIED FLASHING
FAI	FRESH AIR INTAKE
FB	FACE BRICK
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FFE	FINISH FLOOR ELEVATION
FG	FIBERGLASS
FH	FIRE HYDRANT
FHS	FIRE HOSE STATION
FIN	FINISH
FL	FLOWLINE
FLR	FLOOR
FLUR	FLUORESCENT
FLX	FLEXIBLE
FND	FOUNDATION
FO	FINISHED OPENING
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIREPROOF, FLAGPOLE
FR	FRAMING
FR	FIRE RETARDANT COATING
FRP	FIBERGLASS REINFORCED PANEL
FSB	FREE STANDING BENCH
FSS	FOLDING SHOWER SEAT
FT	FOOT OR FEET
FTG	FOOTING
FUR	FURRING
FUS	FOLDING UTILITY SHELF

G	
GA	GAUGE, GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR, GROUND CONCRETE
GF	GROUND FACE
GI	GALVANIZED IRON
GL	GLASS OR GLAZING
GLB	GLUED/LAMINATED BEAM
GO	GLAZED OPENING
GP	GALVANIZED PIPE
GR	GRADE, GRADING
GSS	GALVANIZED SHEET STEEL
GT	GROUT, GLASS TILE
GVL	GRAVEL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM

H	
HB	HOSE BIB
HC	HOLLOW CORE, HANDICAP OR HANDICAPPED
HD	HEAVY DUTY OR HARD, HAND DRYER
HDBD	HARDBOARD
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATING
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ

I	
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IGU	INSULATED GLAZING UNIT
IMP	INSULATED METAL PANEL
INCAN	INCANDESCENT
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTG	INTEGRATED

J	
JB	JUNCTION BOX
JF	JOINT FILLER
JST	JOIST
JT	JOINT

K	
KB	KNOX BOX
KD	KNOCKED DOWN OR KILN DRIED
kg	KILOGRAM
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE

L	
L	LENGTH, LONG, ANGLE
L&P	LATH & PLASTER
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LB	LAG BOLT OR POUND
LBL	LABEL
LIB	LIBRARY
LIN	LINOLEUM
LIN	LINEAL, LINEAR
LKR	LOCKER
LL	LIVE LOAD
LMB	LIQUID MARKER BOARD
LMBP	LIQUID MARKER BOARD PAINT
LDNG	LANDING
LPT	LOW POINT
LT	LIGHT
LTL	LINTEL
LVR	LOUVER
LW	LIGHT WEIGHT
LWP	LINEAR WOOD PANEL

M	
M	METER
MAINT	MAINTENANCE
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MBR	MEMBRANE
MD	METAL DECK
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE, MOP HOLDER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
mm	MILLIMETER
MMG	MAGNETIC MARKER GLASS
MMR	MANUFACTURED METAL ROOFING & SIDING
MO	MASONRY OPENING
MOD	MODULAR
MP	METAL PANEL
MPI	MASTER PAINTER'S INSTITUTE
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MW	MICROWAVE
MWK	MILLWORK

N	
N	NORTH
N/A	NOT APPLICABLE
NAAWS	NORTH AMERICAN ARCHITECTURAL WOODWORKING STANDARDS
NB	NO BASE
NIC	NOT IN CONTACT
NO (#)	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O	
OA	OVERALL
OC	ON CENTER
OOD	OVERHEAD COILING DOOR
OCG	OVERHEAD COILING GRILLE
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED OWNER INSTALLED
OFS	OVERFLOW SCUPPER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE, OPERABLE PANEL PARTITION
OTA	OPEN TO ABOVE
OTS	OPEN TO STRUCTURE
OWJ	OPEN-WEB JOIST
OZ	OUNCE

P	
P	PAINT
PAR	PARALLEL
PB	PANIC BAR OR PUSH BUTTON
PC	PORTLAND CEMENT, PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCP	PORTLAND CEMENT PLASTER
PDF	POWER DRIVEN FASTENER
PDR	PAIR OF DOORS
PED	PEDESTAL
PER	PERIMETER
PERF	PERFORATED
PERP	PERPENDICULAR
PF	PLASTIC FILM
PFB	PREFABRICATED
PFN	PREFINISHED
PK	PARKING
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAL FOOT
PM	PERFORATED METAL
PNL	PANEL
PNTD	PAINTED
POL	POLISHED
PP	POWER POLE
PR	PAIR
PRFN	PREFINISHED
PROP	PROPERTY
PS	PROJECTION SCREEN, SEMI-GLOSS PAINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POINT, PORCELAIN TILE
PTD	PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL DISPENSER AND RECEPTABLE
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD

Q	
QT	QUARRY TILE
QTY	QUANTITY

R	
R	RANGE, RADIUS OR RISER
RA	RETURN AIR
RB	RESILIENT BASE
RBR	RUBBER
RBT	RABBET
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDWY	ROADWAY
REBAR	REINFORCING BAR
RECP	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REIN	REINFORCE
REM	REMOVE
REQ	REQUIRE(D)
RER	RIGID ENGINEERED RESIN
RES	RESILIENT
RET	RETURN
REV	REVISION, REVISED
RF	RESILIENT FLOORING
RFG	ROOFING
RFL	REFLECTIVE
RH	ROOF HATCH
RH	ROBE HOOK
RL	RAILING
RM	ROOM
RO	ROUGH OPENING
RS	ROLLER SHADES
RSTR	RUBBER STAIR TREADS AND RISERS
RTU	ROOF TOP UNIT
RWL	RAIN WATER LEADER
RWR	RECESSED WASTE RECEPTACLE

S	
S	SOUTH
SA	SOUND ABSORPTIVE
SAF	SELF ADHERED FLASHING
SAM	SUSPENDED ACOUSTICAL METAL
SAN	SANITARY
SAP	SOUND ABSORBING PANEL
SAT	SUSPENDED ACOUSTICAL TILE
SAW	SUSPENDED ACOUSTICAL WOOD
SBK	SPLASH BLOCK
SC	SOLID CORE, SEALED CONCRETE
SC&R	SHOWER CURTAIN AND ROD
SCD	SEAT COVER DISPENSER
SCH	SCHEDULE
SD	SOAP DISPENSER, SECTIONAL DOOR, SCHEMATIC DESIGN
SDS	SOLID SURFACING
SDT	STATIC DISSIPATIVE TILE
SECT	SECTION
SF	SQUARE FOOT, STOREFRONT
SFLR	
SGWB	SUSPENDED GWB
SH	SHELF
SH	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SM	SIMILAR
SJ	STEEL JOIST
SK	SINK
SL	SLOPE
SLD	SEALED
SLV	SLEEVE
SM	SHEET METAL
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SNT	SEALANT
SOG	SLAB ON GRADE
SP	SOUNDPROOF

X	
X	EXISTING (PREFIX), BY
XFMR	TRANSFORMER

Y	
YD	YARD

.	INCHES
#	NUMBER OR POUND
%	PERCENT
&	AND
'	FOOT
*	SEE NOTES
-	NONE
/	PER
@	AT
°	DEGREE
±	PLUS OR MINUS
Ø	DIAMETER

SPC	SPACE
SPEC	SPECIFICATION(S)
SPK	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
ST	STONE, STRUCTURAL TEE
STC	SOUND TRANSMISSION CLASS, STAINED CONCRETE
STD	STANDARD
STG	SEATING
STL	STEEL
STO	STORAGE
STRC	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM

T	
T	TREAD
T&G	TONGUE & GROOVE
TB	TOWEL BAR
TC	TOILET COMPARTMENT
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPERED, TEMPORARY
THK	THICK, THICKNESS
THR	THRESHOLD
THRU	THROUGH
TKBD	TACKBOARD
TKS	TACKSTRIP
TOB	TOP OF BEAM
TOC	TOP OF CURB OR CONCRETE
TOF	TOP OF FOOTING
TOL	TOLERANCE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL OR SLAB
TOW	TOP OF WALL
TP	TELEPHONE POLE
TPD	TOILET PAPER DISPENSER
TPG	TOPPING
TRANSL	TRANSLUCENT
TRANSP	TRANSPARENT
TSTAT	THERMOSTAT
TV	TELEVISION
TWB	TREATED WOOD BLOCKING
TYP	TYPICAL
TZ	TERRAZZO

U	
UC	UNDERCUT, UNDER COUNTER
UG	UNDERGROUND
UH	UNIT HEATER
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR

V	
VAC	VACUUM
VAR	VARIABLE, VARIES, VARNISH
VCT	VINYL COMPOSITION TILE
VENT	VENTILATE, VENTILATION, VENTED
VERT	VERTICAL
VEST	VESTIBULE
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VJ	V-JOINT
VNR	VENEER
VOL	VOLUME
VR	VAPOR RETARDER

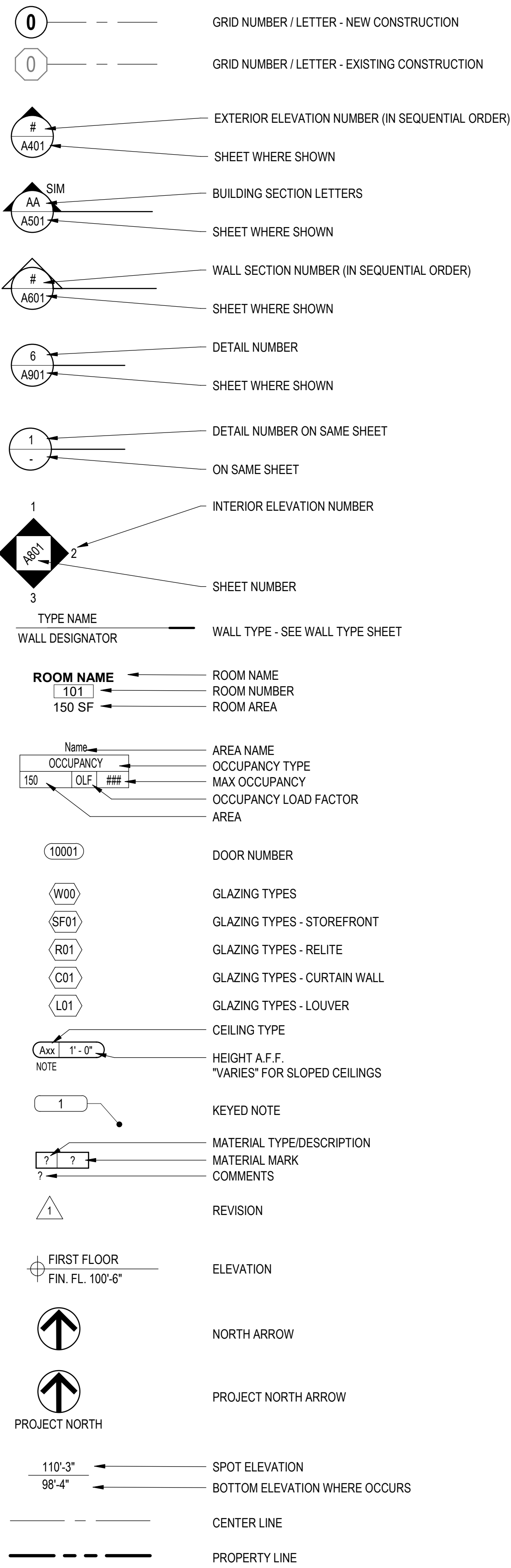
W	
W	WATER, WIDTH OR WEST
WI	WITH
WO	WITHOUT
WB	WOOD BASE, WINDOW BLINDS
WC	WATER CLOSET, WALL COVERING
WC-T	TACKABLE WALL COVERING
WD	WOOD
WDF	WOOD FLOORING
WDP	WOOD PANELING
WF	WIDE FLANGE
WG	WALL GUARD
WIN	WINDOW
WMP	WIRE MESH PARTITION
WOM	WALK OFF MAT
WP	WATERPROOFING (N)
WPF	WATERPROOFING (FLUID APPLIED)
WPS	WATERPROOFING (SHEET)
WPT	WORKING POINT
WR	WATER RESISTANT, WASTE RECEPTACLE
WRB	WEATHER RESISTANT BARRIER
WS	WELD STUD
WSCOT	WAINSCOT
WSTP	WATERSTOP
WWF	WELDED WIRE FABRIC

X	
X	EXISTING (PREFIX), BY
XFMR	TRANSFORMER

Y	
YD	YARD

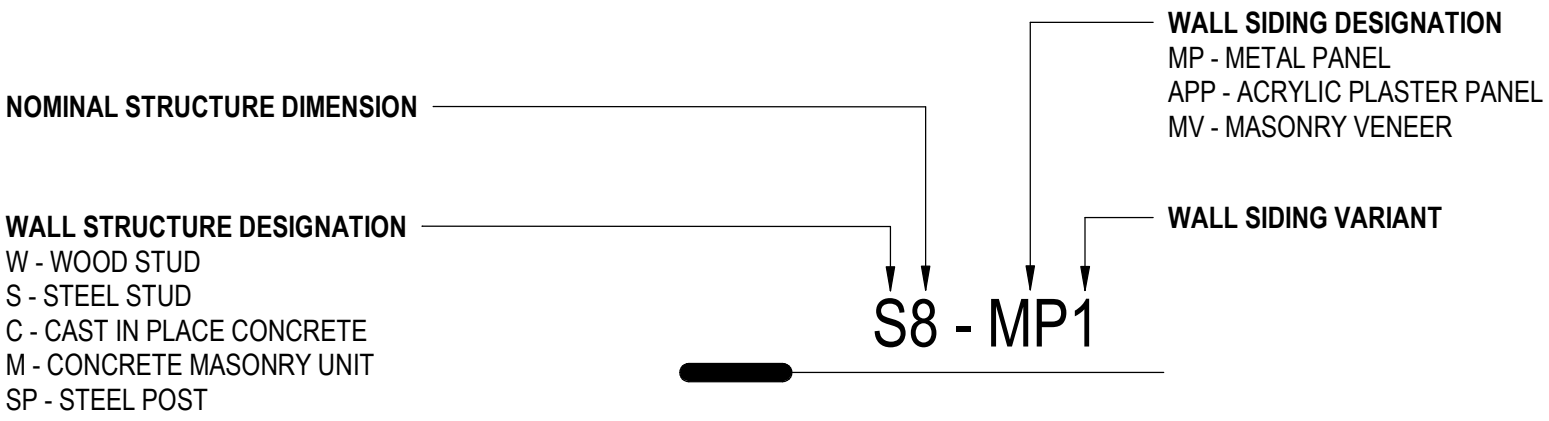
.	INCHES
#	NUMBER OR POUND
%	PERCENT
&	AND
'	FOOT
*	SEE NOTES
-	NONE
/	PER
@	AT
°	DEGREE
±	PLUS OR MINUS
Ø	DIAMETER

REFERENCE SYMBOLS

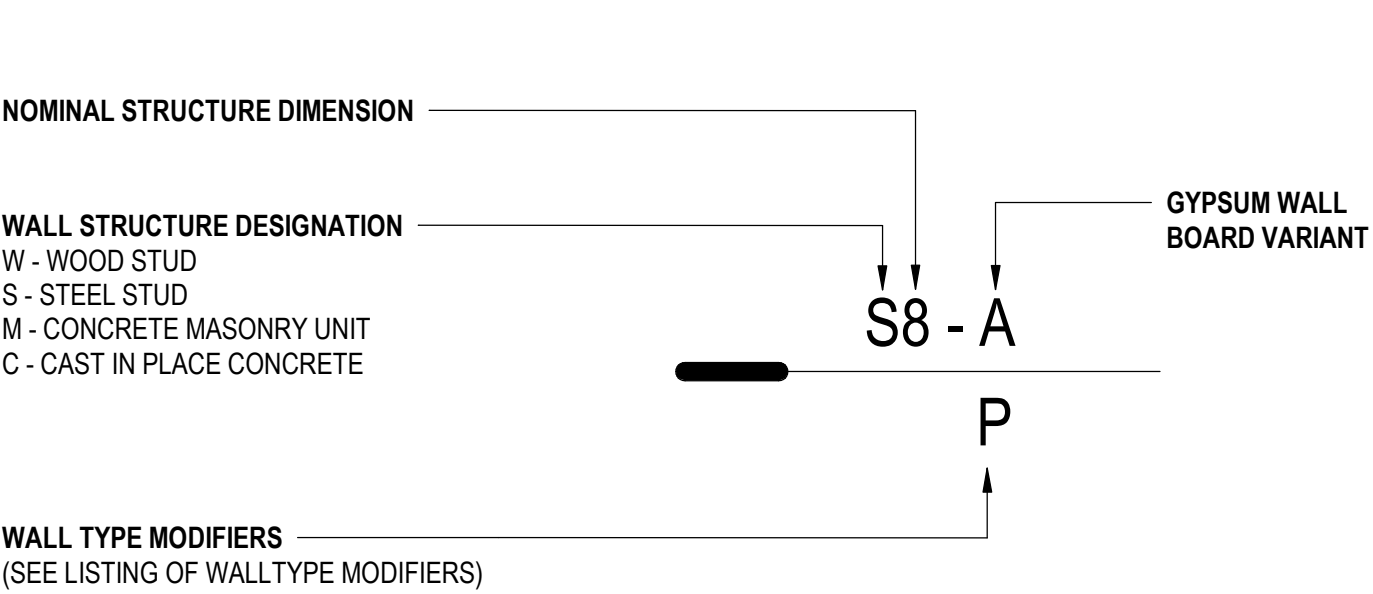


WALL TYPE LEGEND

EXTERIOR WALL TYPE SYMBOL:



INTERIOR WALL TYPE SYMBOL:



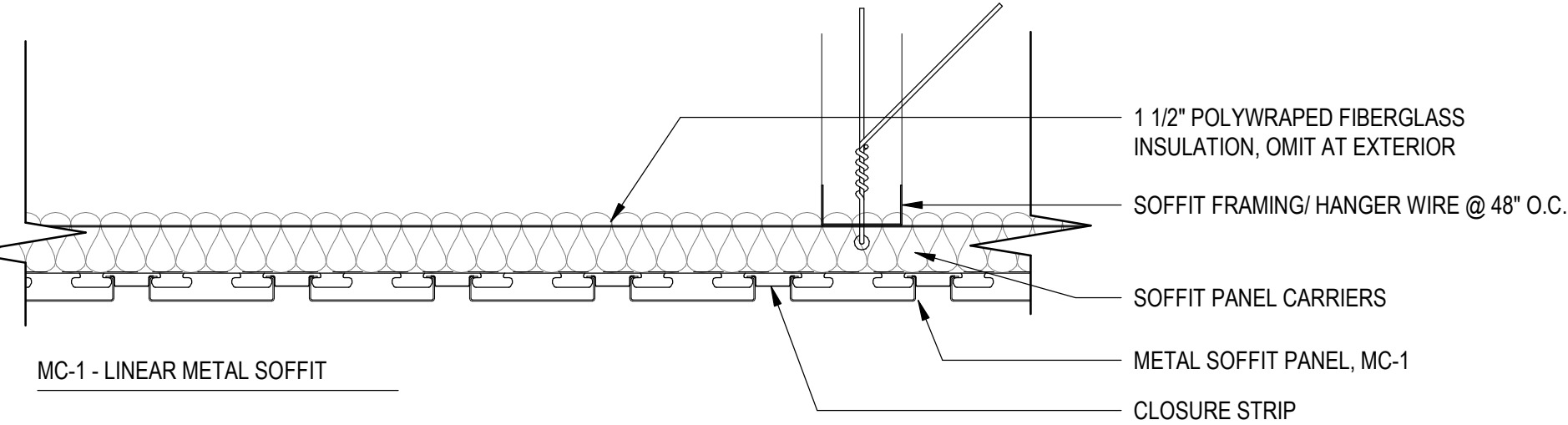
WALL TYPE MODIFIERS:

#'-#" BELOW WALL INDICATES HEIGHT OF PARTIAL HEIGHT WALL, WALL IS FULL HEIGHT IF NO WALL HEIGHT IS GIVEN

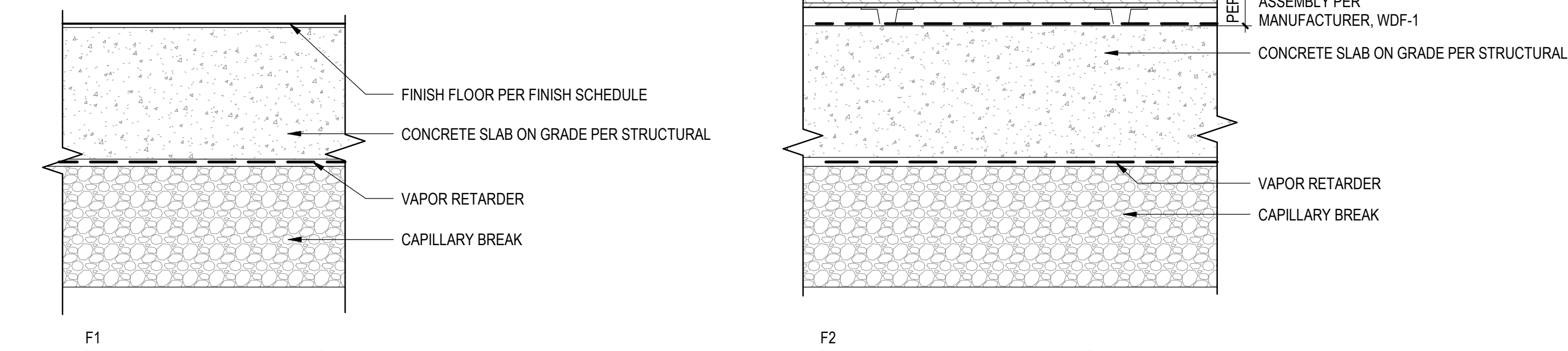
MR BELOW THE WALL TYPE SYMBOL INDICATES WALLS WITH MOISTURE RESISTANT GWB

WALL TYPE GENERAL NOTES

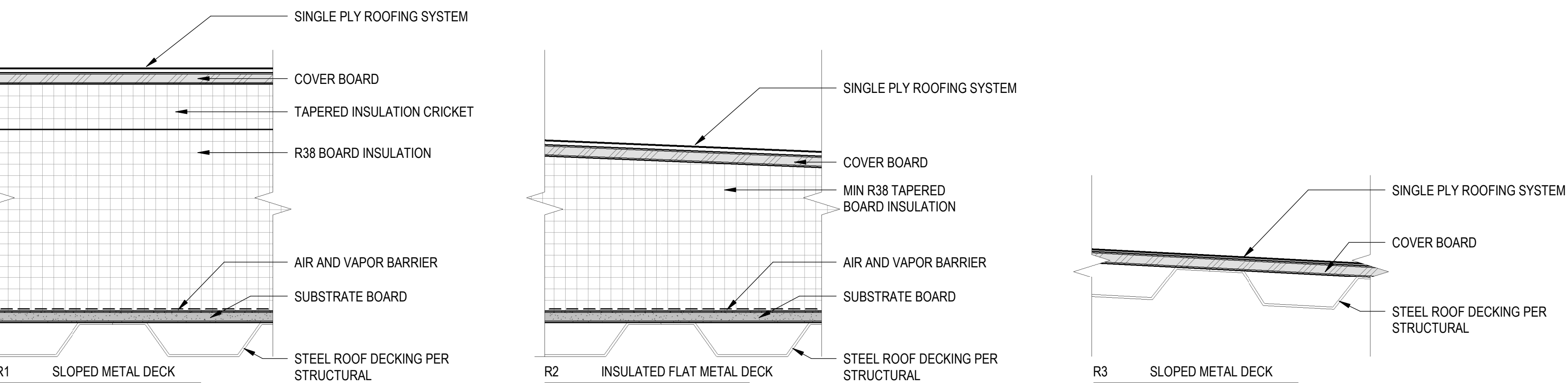
1. WALL TYPES TO DO NOT INCLUDE WALL FINISHES. SEE FINISH PLANS FOR WALL FINISH INFORMATION.
2. ALL FIRE RATED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH TESTING AGENCY REQUIREMENTS. REFER TO SPECIFIC TEST REPORTS FOR REQUIRED COMPONENTS AND ASSEMBLY.
3. ALL INTERIOR WALLS WHERE SOUND ATTENUATION BATTS ARE INDICATED ARE ARE CONSIDERED ACOUSTIC WALLS.
4. AT STEEL STUD WALLS WHICH DO NOT EXTEND TO STRUCTURE, PROVIDE BRACE AT CENTERLINE OF DOOR OPENINGS. ALSO, AT WALL HUNG CABINETS, USE DOUBLE STUDS AND PROVIDE BRACING AT 3'-0" O.C.
5. AT STEEL STUD WALLS, BLOCKING/BACKING IS REQUIRED AT THE FOLLOWING LOCATIONS:
 - A. WALL MOUNTED COUNTERS
 - B. WALL MOUNTED ACCESSORIES AND EQUIPMENT
 - C. WALL MOUNTED DOORSTOPS
 - D. WALL MOUNTED DOOR HOLD OPEN DEVICES AND/OR CLOSURES
 - E. TOILET ROOM PARTITIONS AND ACCESSORIES
 - F. OTHER LOCATIONS AS REQ. BY THE ARCHITECT AND INDUSTRY STANDARDS
6. SEAL ALL ACOUSTIC WALLS AT BOTTOM, TOP, AND SIDE INTERSECTIONS WITH ACOUSTICAL SEALANT.
7. PROVIDE ACOUSTIC PUTTY PADS ON ALL OUTLETS, REF. MANUFACTURER'S PENETRATION DETAILS.
8. ALL INTERIOR WALLS TO EXTEND TO UNDERSIDE OF DECK, UNLESS OTHERWISE NOTED



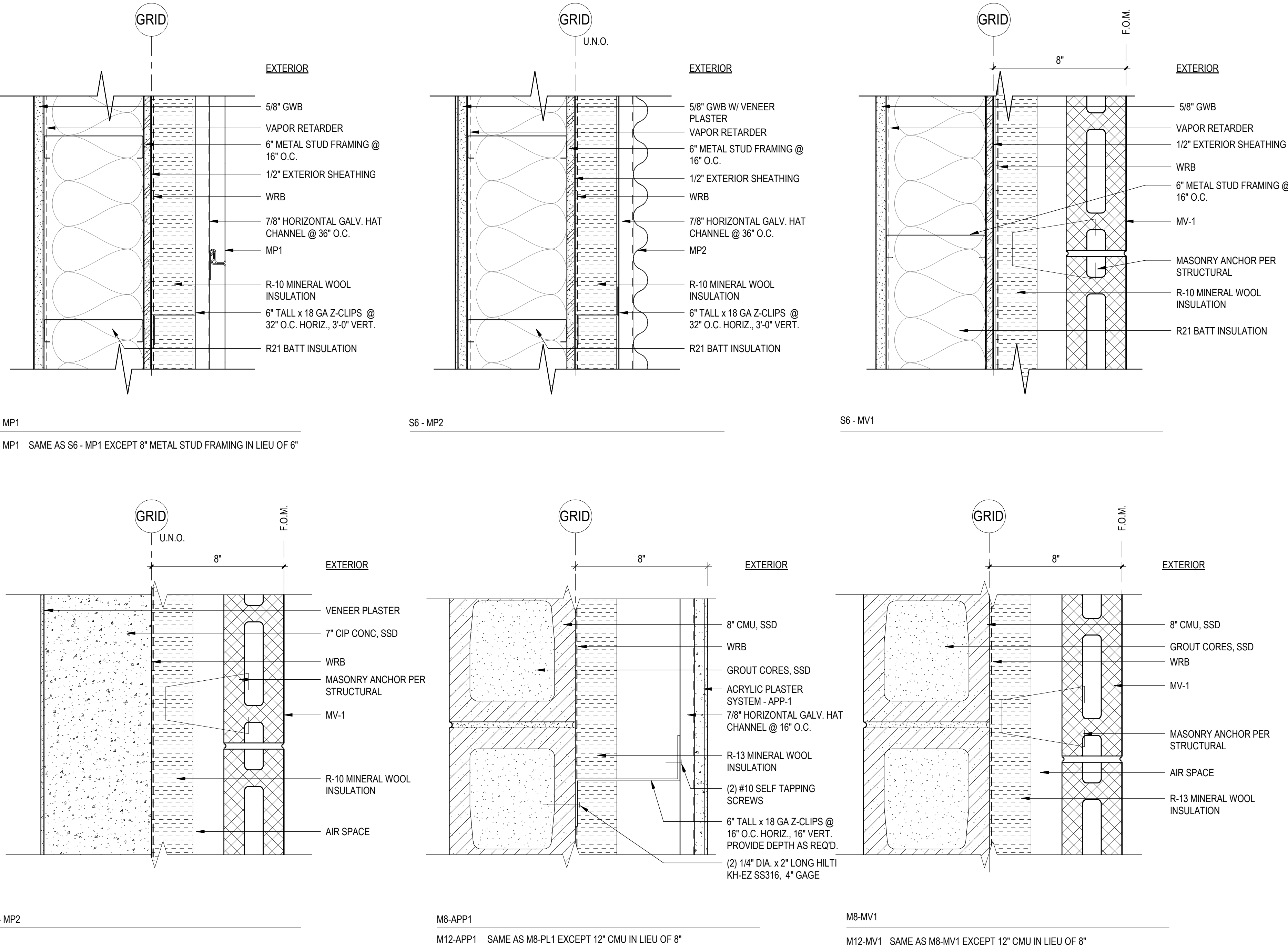
SOFFIT TYPES



FLOOR TYPES



ROOF TYPES



EXTERIOR WALL TYPES

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

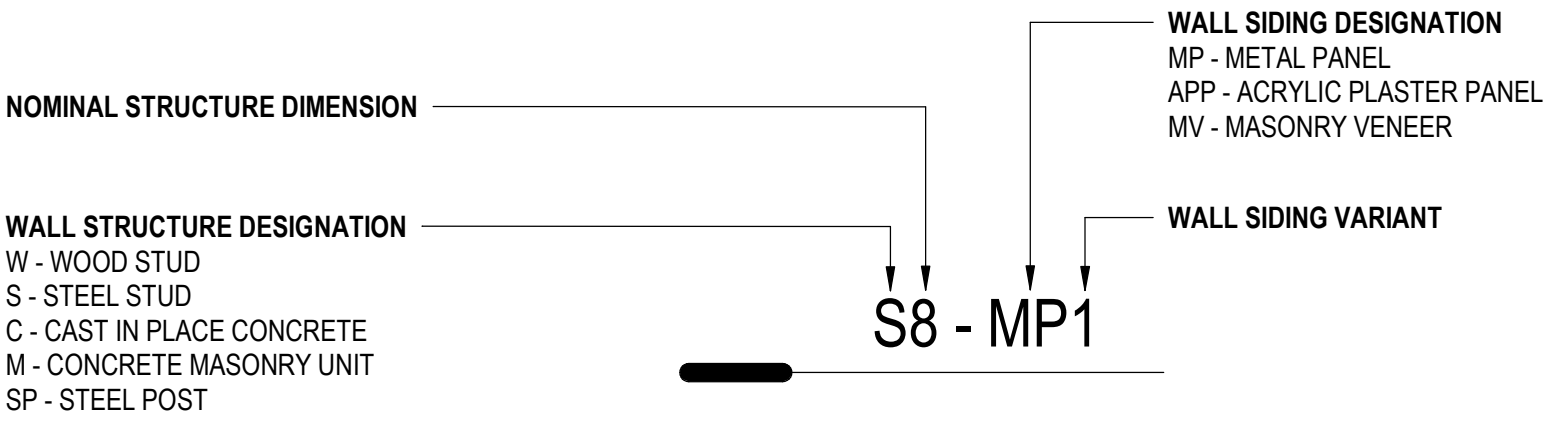
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

ASSEMBLIES

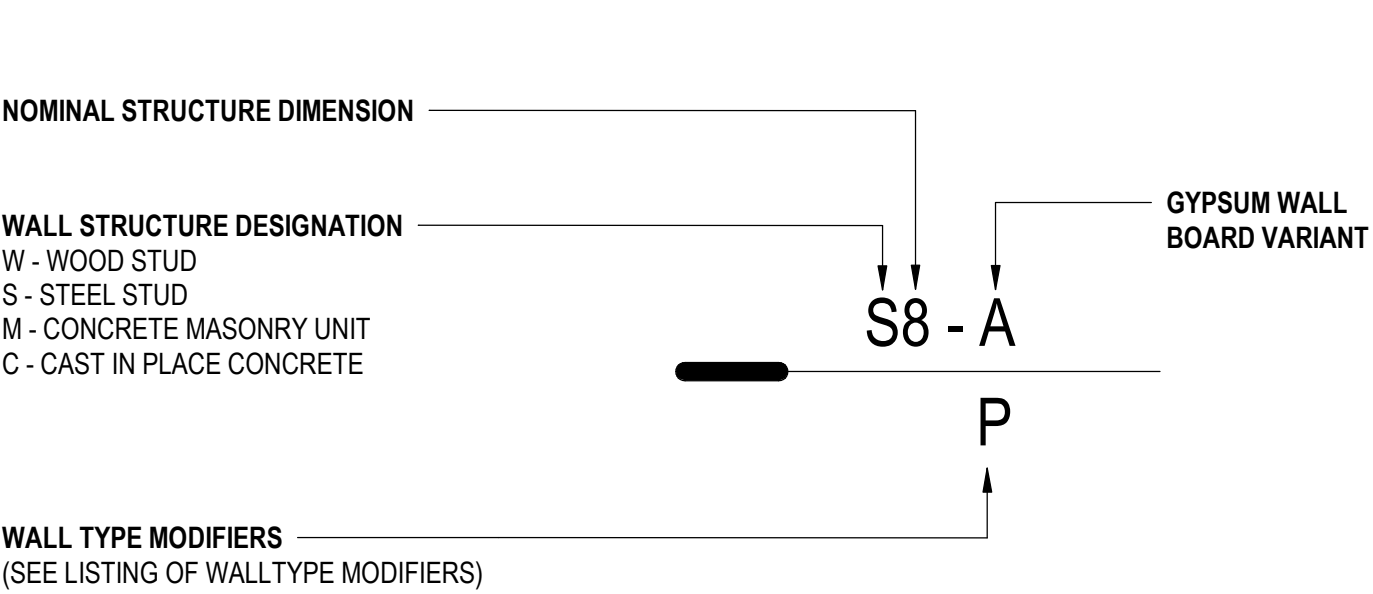
A010

WALL TYPE LEGEND

EXTERIOR WALL TYPE SYMBOL:



INTERIOR WALL TYPE SYMBOL:



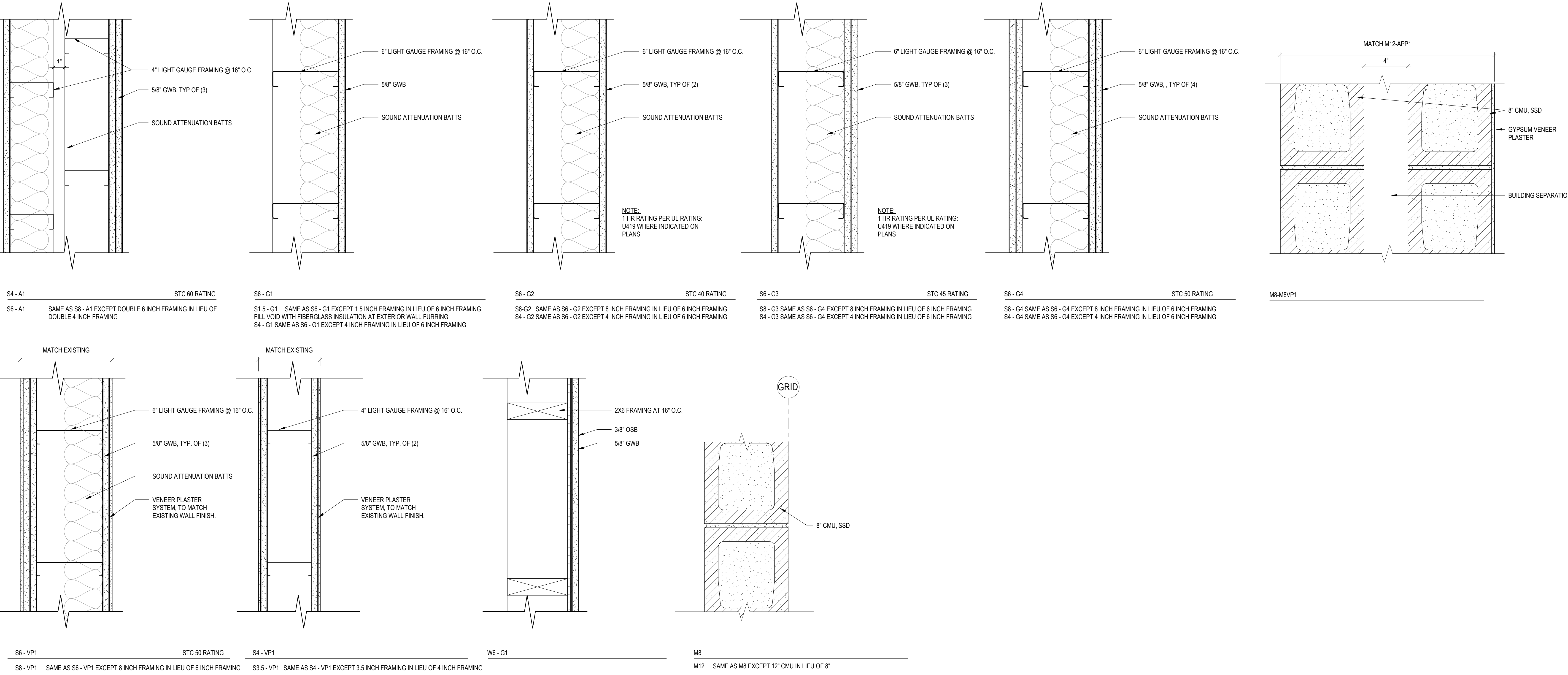
WALL TYPE MODIFIERS:

#'-#" BELOW WALL INDICATES HEIGHT OF PARTIAL HEIGHT WALL, WALL IS FULL HEIGHT IF NO WALL HEIGHT IS GIVEN

MR BELOW THE WALL TYPE SYMBOL INDICATES WALLS WITH MOISTURE RESISTANT GWB

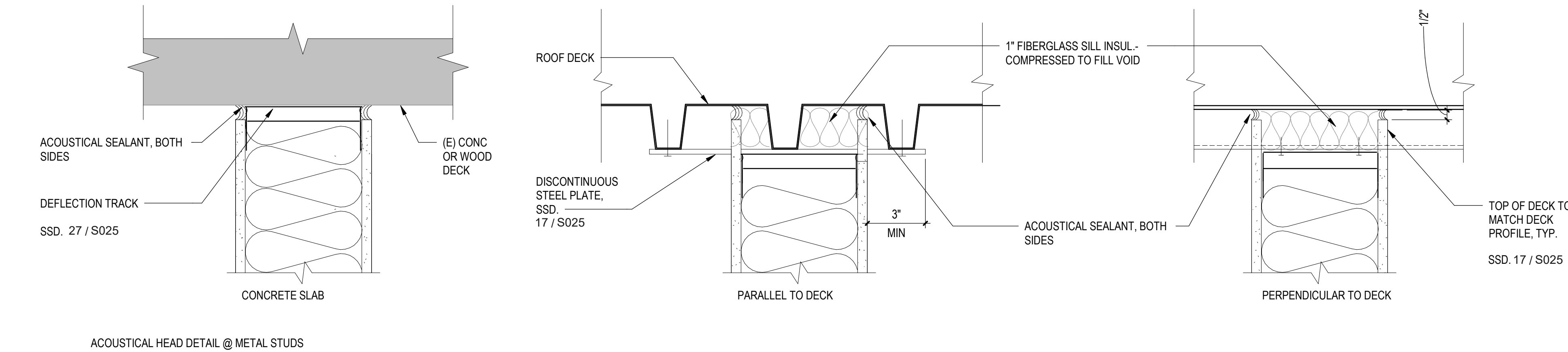
WALL TYPE GENERAL NOTES

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 - D. WALL MOUNTED DOOR HOLD OPEN DEVICES AND/OR CLOSURES
 - E. TOILET ROOM PARTITIONS AND ACCESSORIES
 - F. OTHER LOCATIONS AS REQ. BY THE ARCHITECT AND INDUSTRY STANDARDS
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7. PROVIDE ACOUSTIC PUTTY PADS ON ALL OUTLETS, REF. MANUFACTURER'S PENETRATION DETAILS.
8. ALL INTERIOR WALLS TO EXTEND TO UNDERSIDE OF DECK, UNLESS OTHERWISE NOTED



INTERIOR WALL TYPES

SCALE: 3" = 1'-0"



TYPICAL HEAD DETAILS

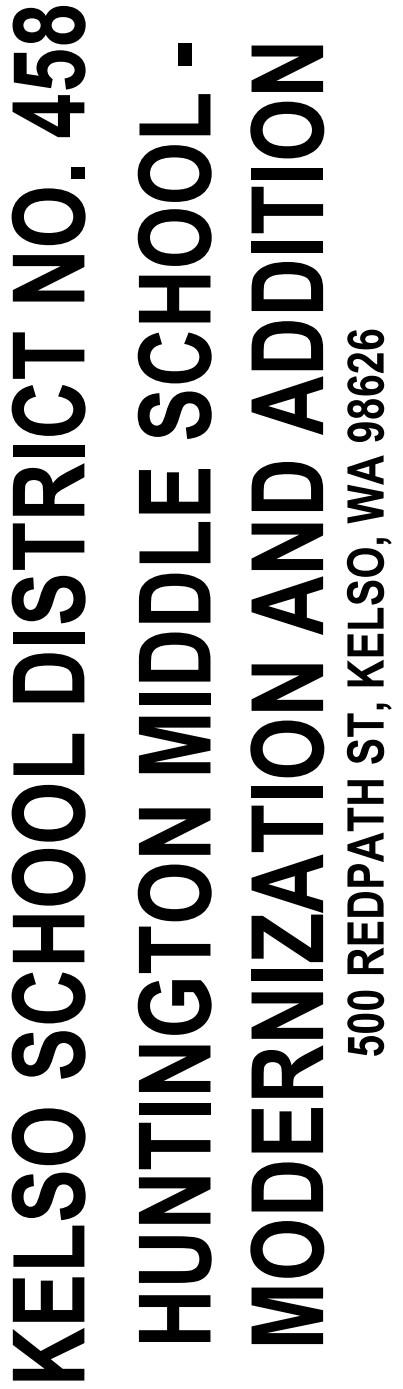
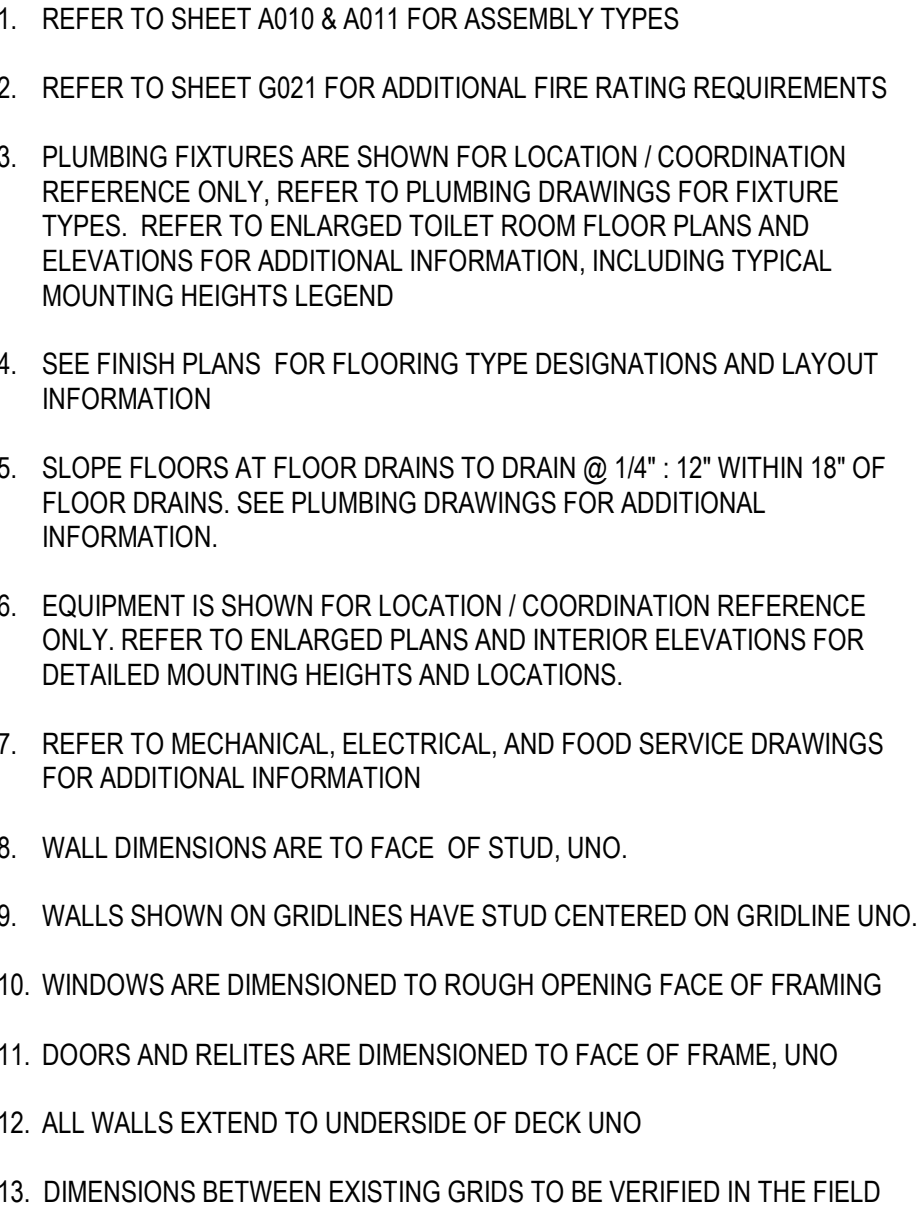
SCALE: 3" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

ASSEMBLIES -
INTERIOR

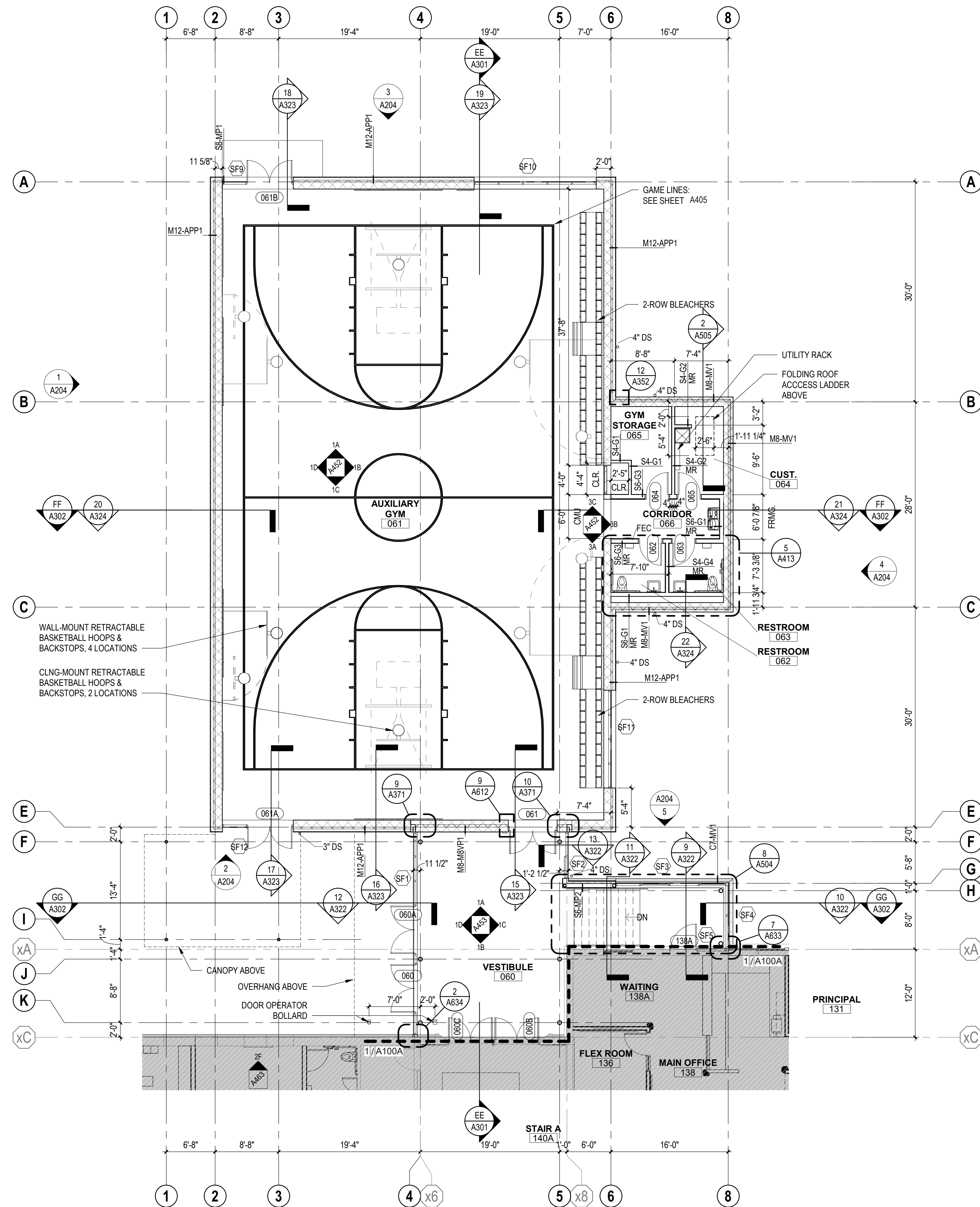
A011



Date:	05/28/2021	
Job No.:	21938.00	
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Checked by:	MT	
Revisions		
#	Date	Description



A100



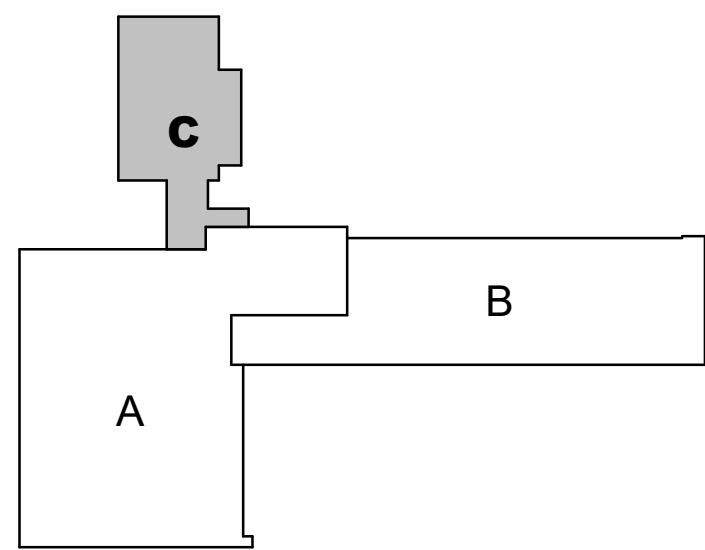
FLOOR PLAN GENERAL NOTES

- 1. REFER TO SHEET A010 & A011 FOR ASSEMBLY TYPES
- 2. REFER TO SHEET G021 FOR ADDITIONAL FIRE RATING REQUIREMENTS
- 3. PLUMBING FIXTURES ARE SHOWN FOR LOCATION / COORDINATION REFERENCE ONLY. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES. REFER TO ENLARGED TOILET ROOM FLOOR PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION, INCLUDING TYPICAL MOUNTING HEIGHTS LEGEND
- 4. SEE FINISH PLANS FOR FLOORING TYPE DESIGNATIONS AND LAYOUT INFORMATION
- 5. SLOPE FLOORS AT FLOOR DRAINS TO DRAIN @ 1/4" : 12' WITHIN 18" OF FLOOR DRAINS. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 6. EQUIPMENT IS SHOWN FOR LOCATION / COORDINATION REFERENCE ONLY. REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR DETAILED MOUNTING HEIGHTS AND LOCATIONS.
- 7. REFER TO MECHANICAL, ELECTRICAL, AND FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION
- 8. WALL DIMENSIONS ARE TO FACE OF STUD, UNO.
- 9. WALLS SHOWN ON GRIDLINES HAVE STUD CENTERED ON GRIDLINE UNO.
- 10. WINDOWS ARE DIMENSIONED TO ROUGH OPENING FACE OF FRAMING
- 11. DOORS AND RELITES ARE DIMENSIONED TO FACE OF FRAME, UNO
- 12. ALL WALLS EXTEND TO UNDERSIDE OF DECK UNO
- 13. DIMENSIONS BETWEEN EXISTING GRIDS TO BE VERIFIED IN THE FIELD

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN. SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK. SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION FLOOR DRAIN
- FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO



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

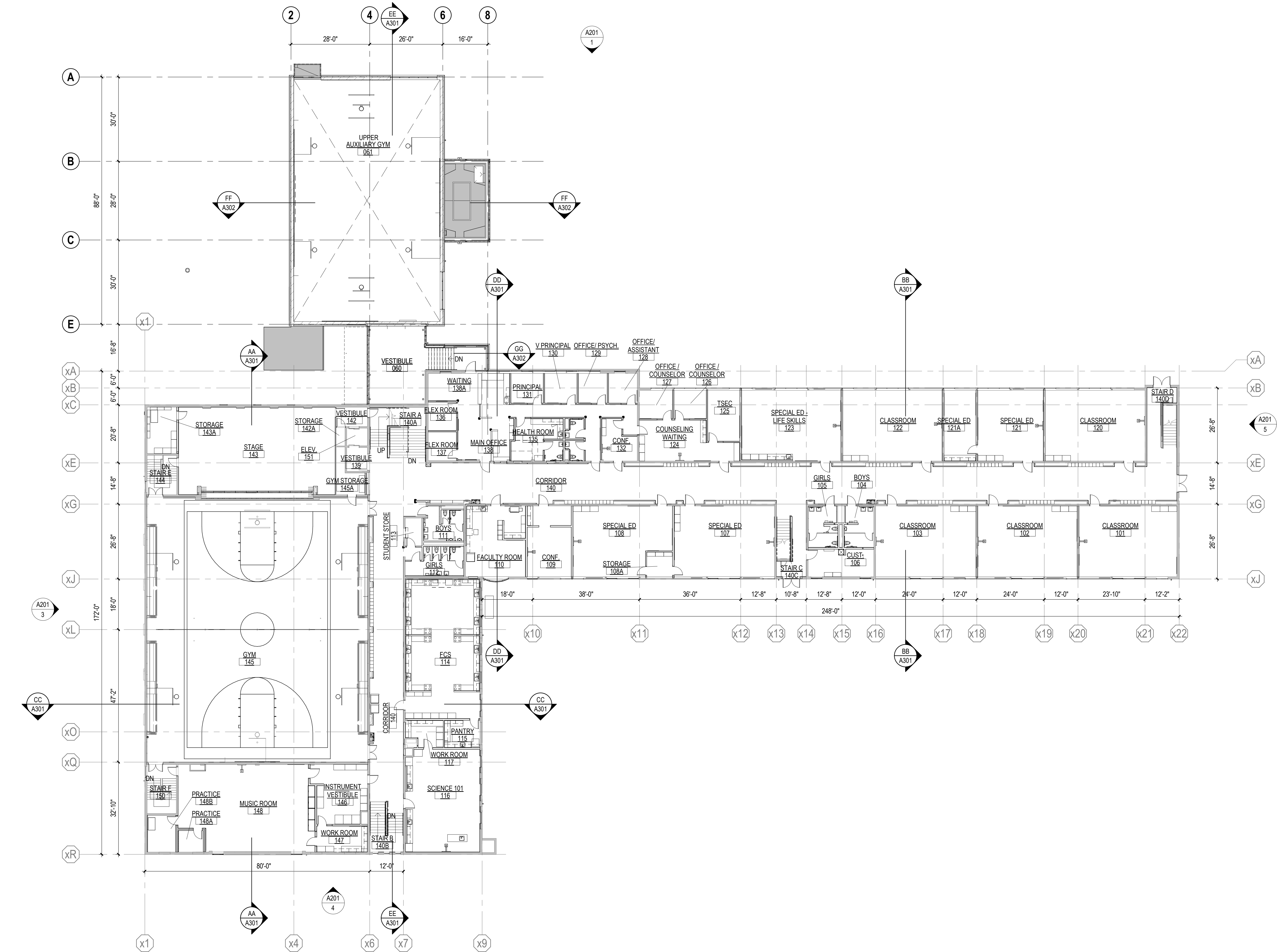


KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

LEVEL 0 AREA C
- FLOOR PLAN

A100C



LEVEL 1 - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"
PROJECT NORTH

FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET A010 & A011 FOR ASSEMBLY TYPES
2. REFER TO SHEET G021 FOR ADDITIONAL FIRE RATING REQUIREMENTS
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**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

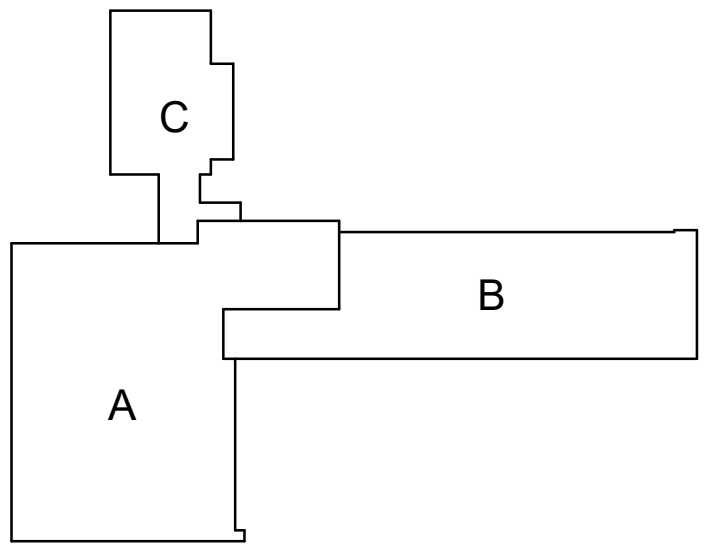
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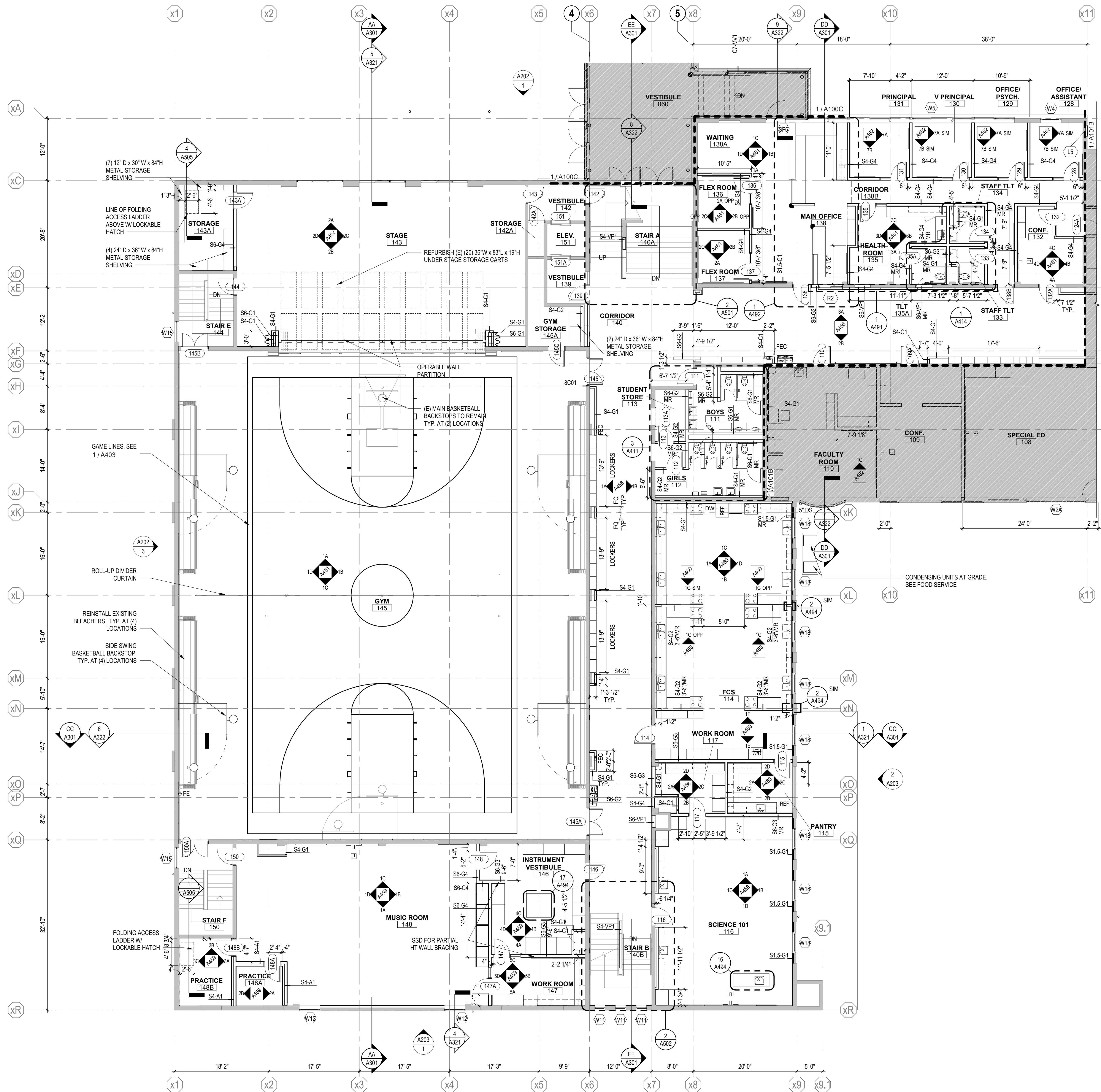
Date: 05/28/2021
Job No.: 21938.00
Drawn By: EP
Checked by: MT

Revisions		
#	Date	Description

LEVEL 1
OVERALL
FLOOR PLAN

A101





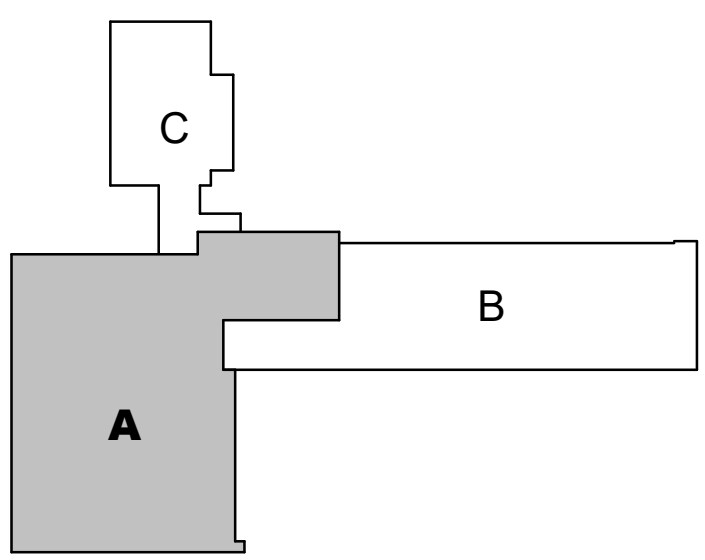
LEVEL 1 AREA A - FLOOR PLAN
SCALE: 1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

- 1. REFER TO SHEET A010 & A011 FOR ASSEMBLY TYPES
- 2. REFER TO SHEET G021 FOR ADDITIONAL FIRE RATING REQUIREMENTS
- 3. PLUMBING FIXTURES ARE SHOWN FOR LOCATION / COORDINATION REFERENCE ONLY. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES. REFER TO ENLARGED TOILET ROOM FLOOR PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION, INCLUDING TYPICAL MOUNTING HEIGHTS LEGEND
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- 12. ALL WALLS EXTEND TO UNDERSIDE OF DECK UNO
- 13. DIMENSIONS BETWEEN EXISTING GRIDS TO BE VERIFIED IN THE FIELD

FLOOR PLAN LEGEND

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION FLOOR DRAIN
- FEC FIRE EXTINGUISHER CABINET, SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FE FIRE EXTINGUISHER, SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO



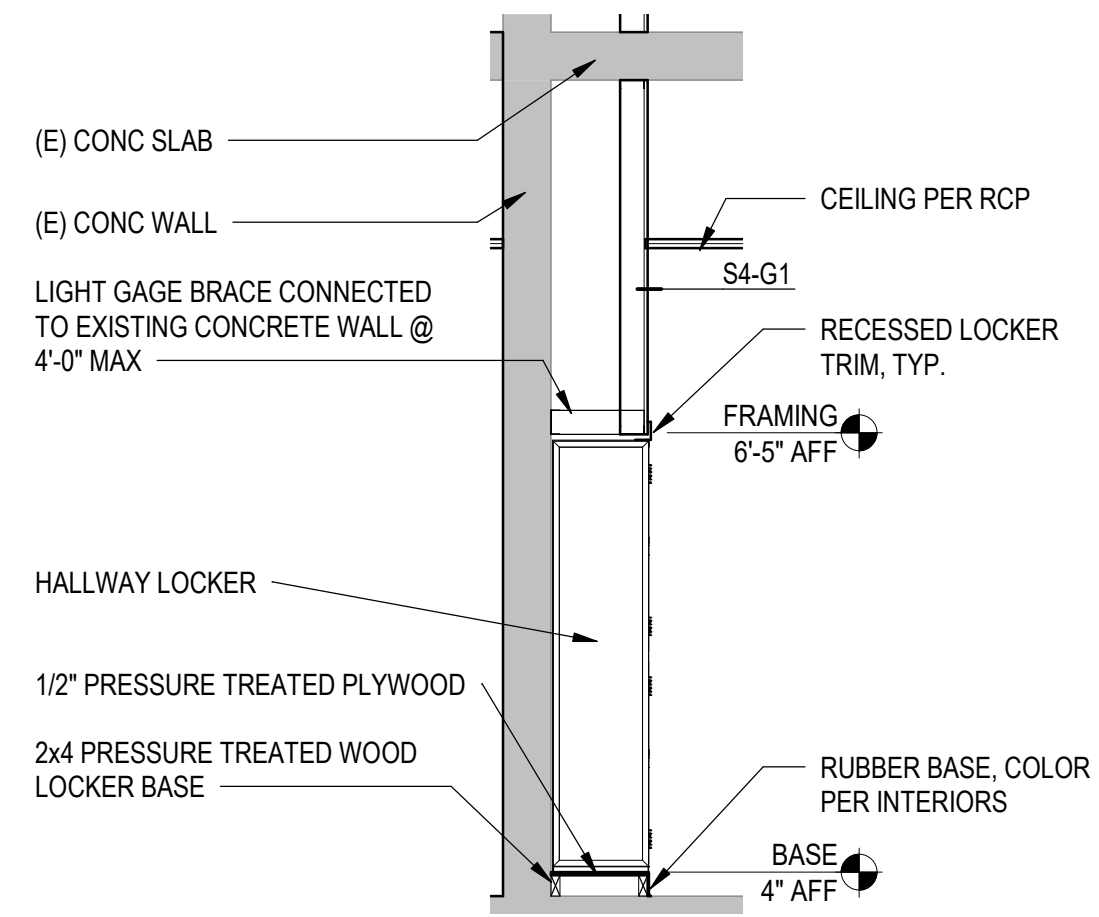
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

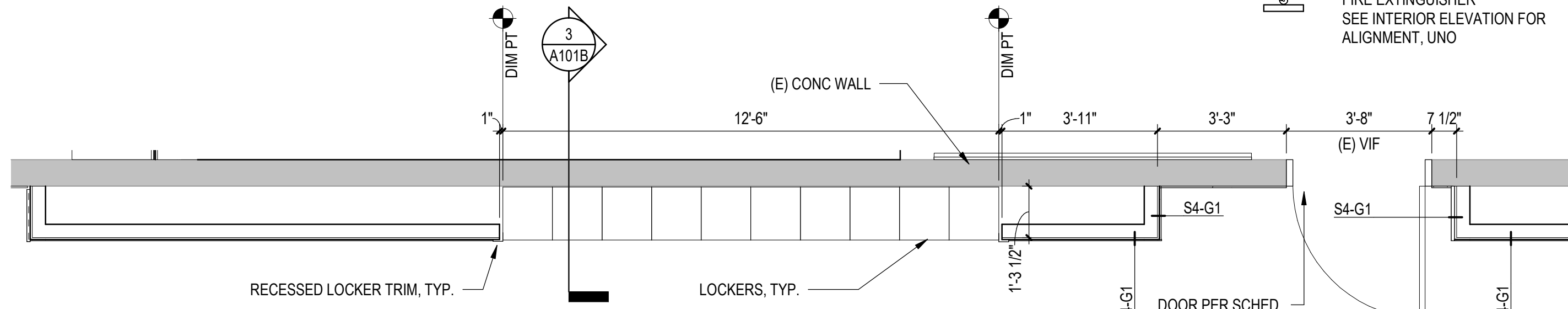
Date:		05/28/2021
Job No.:		21938.00
Drawn By:		EP
Checked by:		MT
Revisions		
#	Date	Description

LEVEL 1 AREA A
- FLOOR PLAN

A101A



3 SECTION - TYPICAL HALLWAY LOCKER
SCALE: 3/8" = 1'-0"



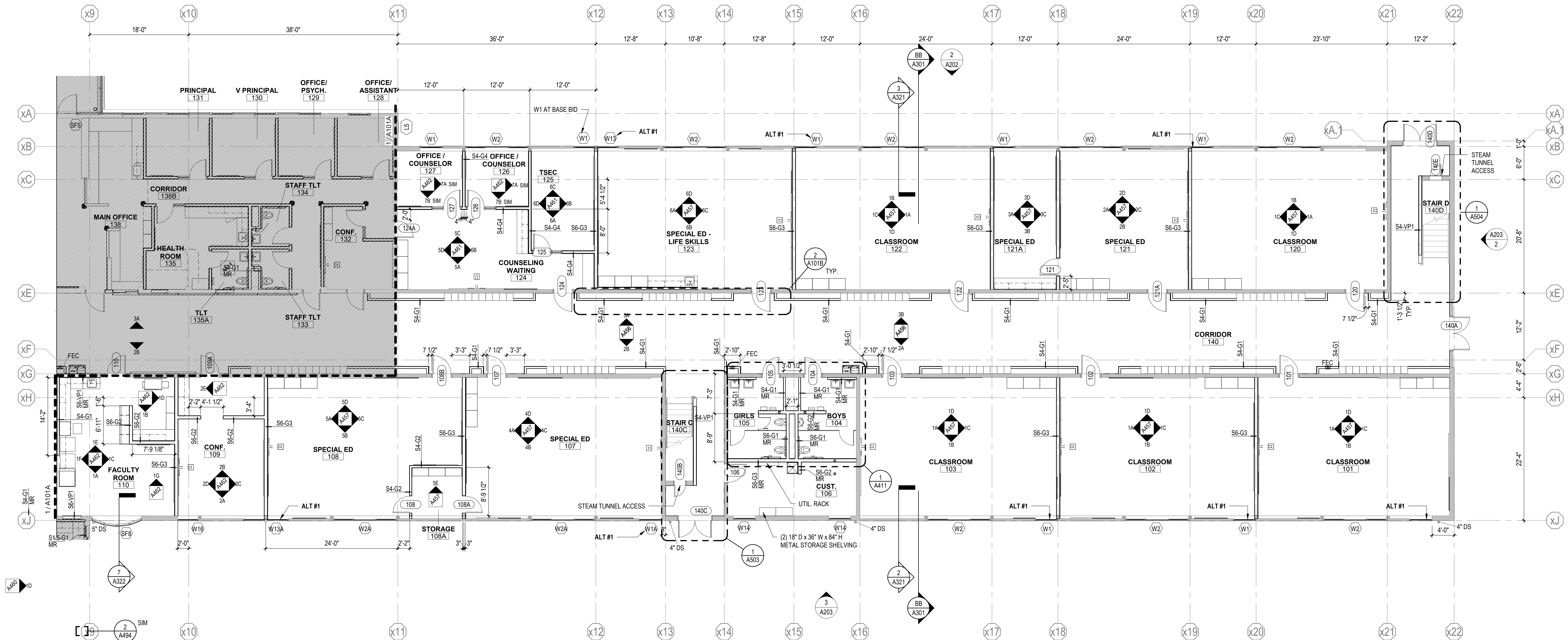
2 PLAN - TYPICAL CLASSROOM ENTRY AND LOCKER FURRING
SCALE: 3/8" = 1'-0"

FLOOR PLAN LEGEND

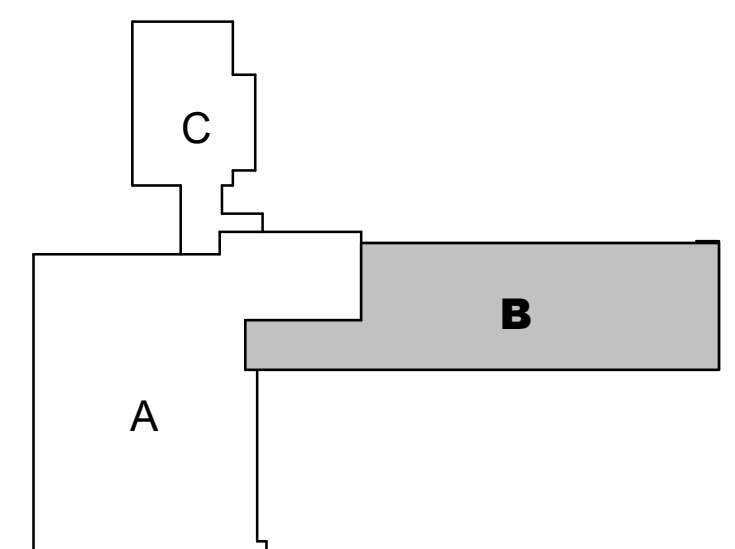
- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FLOOR PLAN GENERAL NOTES

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4. SEE FINISH PLANS FOR FLOORING TYPE DESIGNATIONS AND LAYOUT INFORMATION
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11. DOORS AND RELITES ARE DIMENSIONED TO FACE OF FRAME, UNO
12. ALL WALLS EXTEND TO UNDERSIDE OF DECK UNO
13. DIMENSIONS BETWEEN EXISTING GRIDS TO BE VERIFIED IN THE FIELD



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



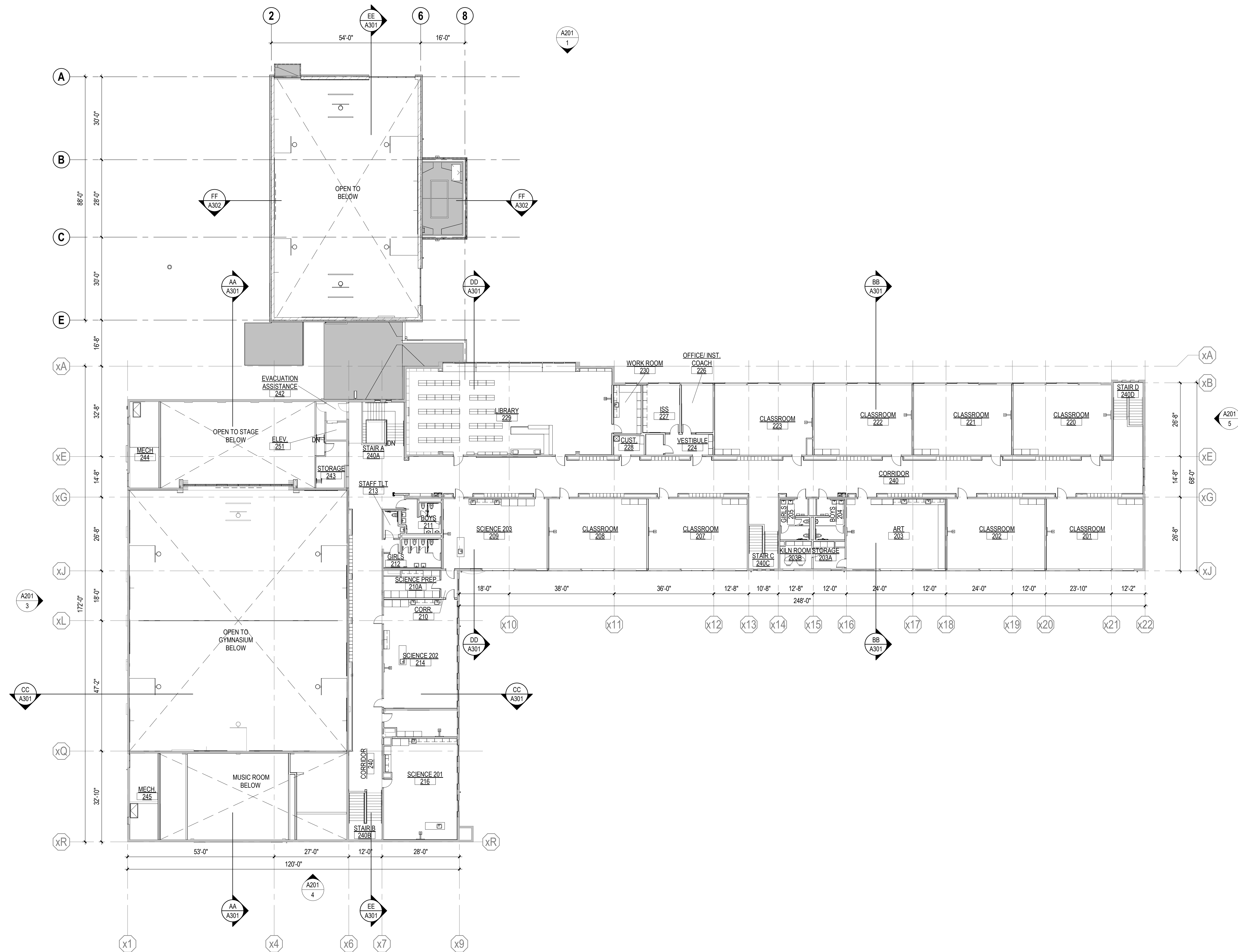
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

**LEVEL 1 AREA B
- FLOOR PLAN**

A101B



TRUE NORTH
LEVEL 2 - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET A010 & A011 FOR ASSEMBLY TYPES
2. REFER TO SHEET G021 FOR ADDITIONAL FIRE RATING REQUIREMENTS
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11. DOORS AND RELITES ARE DIMENSIONED TO FACE OF FRAME, UNO
12. ALL WALLS EXTEND TO UNDERSIDE OF DECK UNO
13. DIMENSIONS BETWEEN EXISTING GRIDS TO BE VERIFIED IN THE FIELD

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

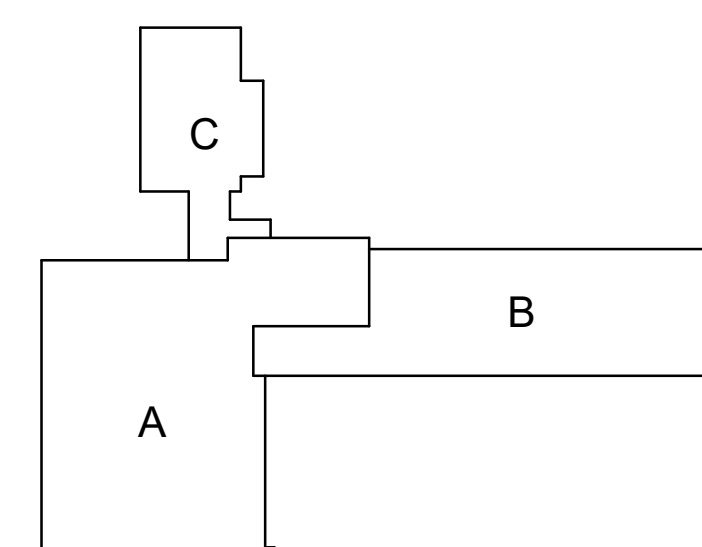
500 REDPATH ST, KELSO, WA 98626

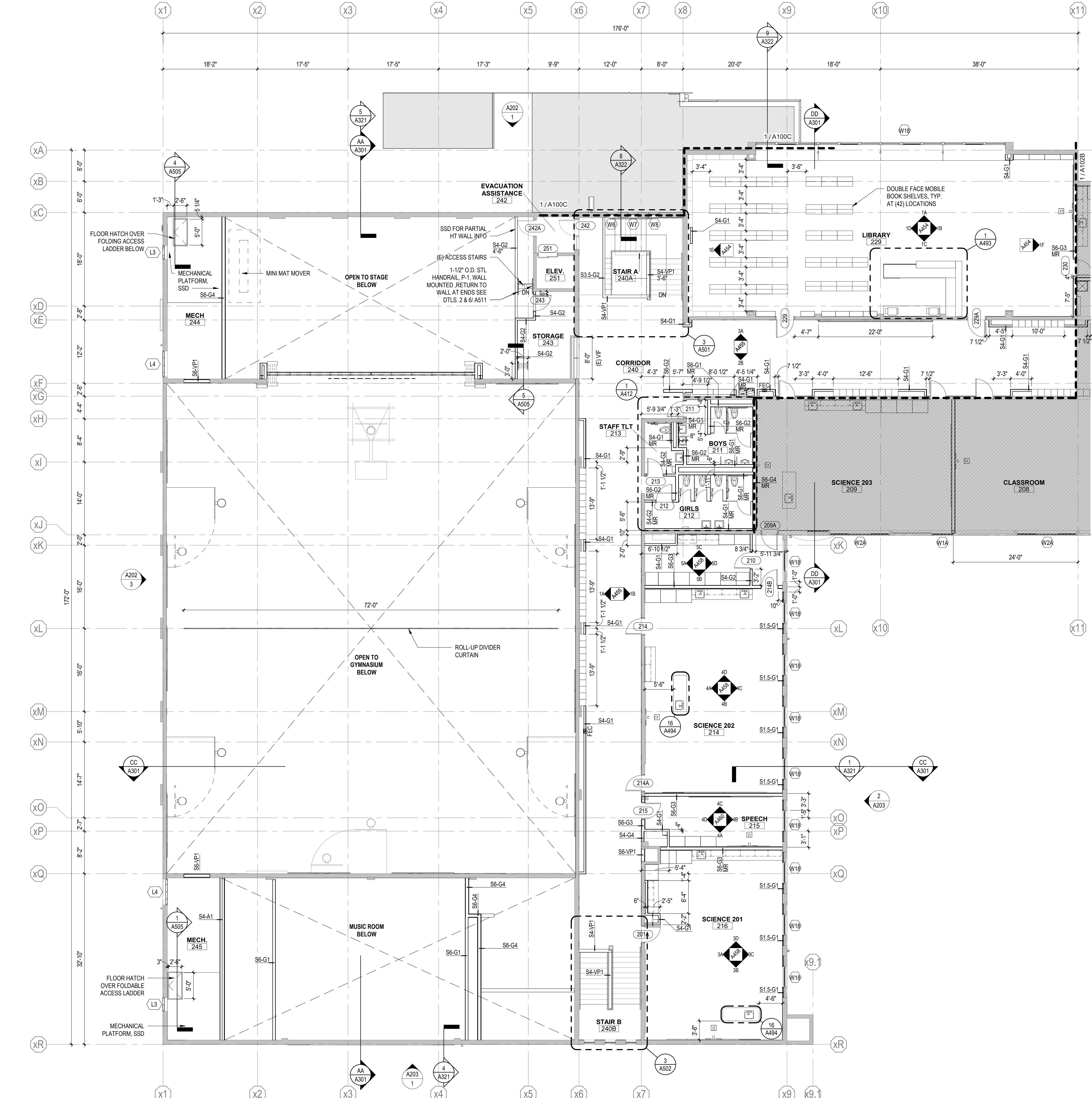
Date: 05/28/2021
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Drawn By: EP
Checked by: MT

Revisions	
#	Description

LEVEL 2 -
OVERALL
FLOOR PLAN

A102





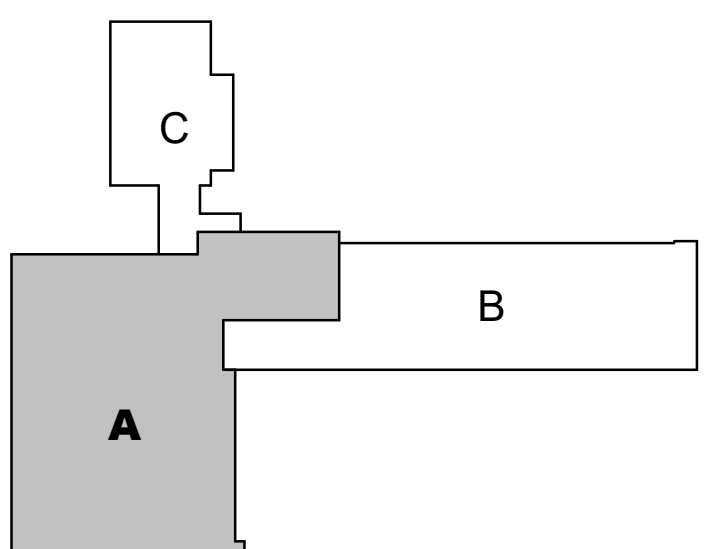
FLOOR PLAN GENERAL NOTES

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- 5. SLOPE FLOORS AT FLOOR DRAINS TO DRAIN @ 1/4" : 12' WITHIN 18" OF FLOOR DRAINS. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
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- 13. DIMENSIONS BETWEEN EXISTING GRIDS TO BE VERIFIED IN THE FIELD

FLOOR PLAN LEGEND

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION FLOOR DRAIN
- FIRE EXTINGUISHER CABINET, SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER, SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

LEVEL 2 AREA A - FLOOR PLAN
SCALE: 1/8" = 1'-0"



KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

LEVEL 2 AREA A
- FLOOR PLAN

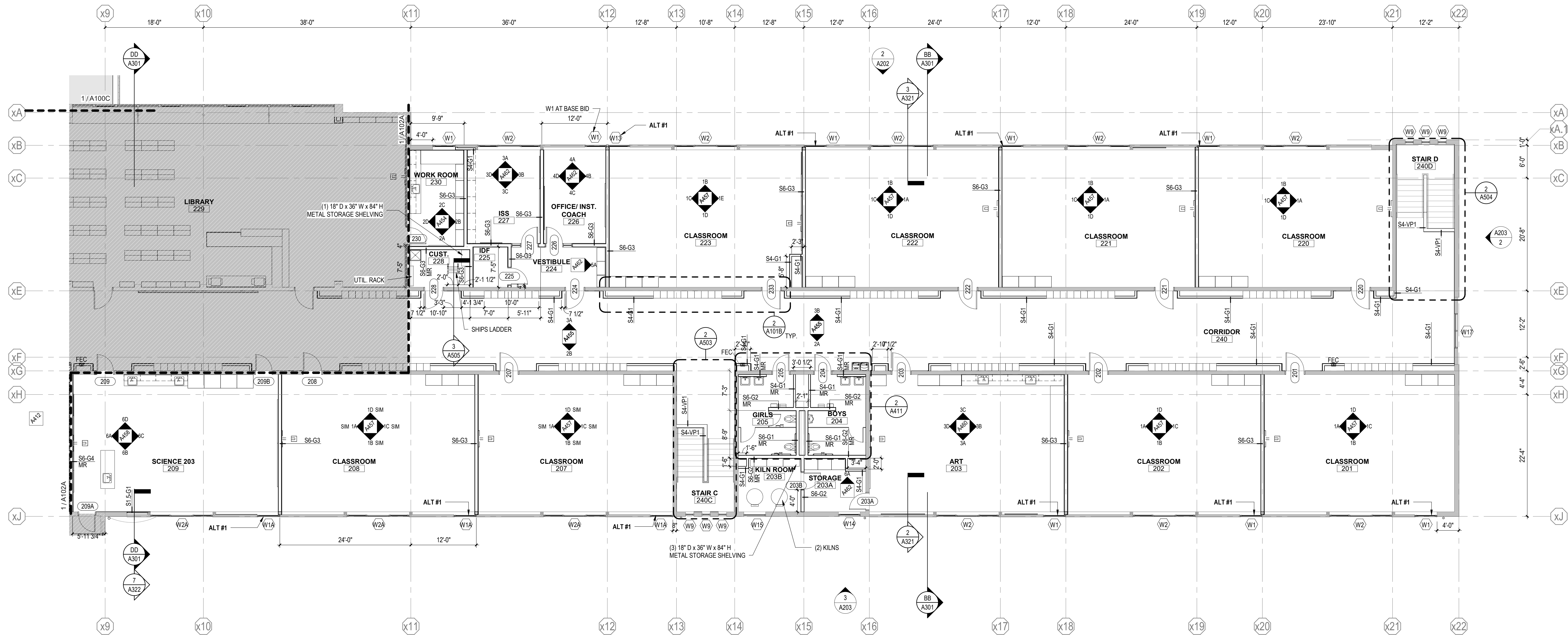
A102A

FLOOR PLAN LEGEND

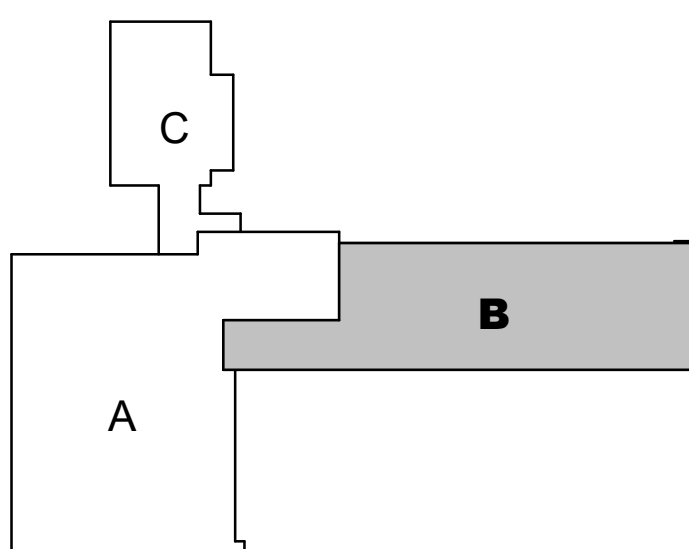
- +— FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- FLOOR DRAIN
- FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FE 6 FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET A010 & A011 FOR ASSEMBLY TYPES
2. REFER TO SHEET G021 FOR ADDITIONAL FIRE RATING REQUIREMENTS
3. PLUMBING FIXTURES ARE SHOWN FOR LOCATION / COORDINATION REFERENCE ONLY, REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES. REFER TO ENLARGED TOILET ROOM FLOOR PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION, INCLUDING TYPICAL MOUNTING HEIGHTS LEGEND
4. SEE FINISH PLANS FOR FLOORING TYPE DESIGNATIONS AND LAYOUT INFORMATION
5. SLOPE FLOORS AT FLOOR DRAINS TO DRAIN @ 1/4" : 12' WITHIN 18" OF FLOOR DRAINS. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. EQUIPMENT IS SHOWN FOR LOCATION / COORDINATION REFERENCE ONLY, REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR DETAILED MOUNTING HEIGHTS AND LOCATIONS.
7. REFER TO MECHANICAL, ELECTRICAL, AND FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION
8. WALL DIMENSIONS ARE TO FACE OF STUD, UNO.
9. WALLS SHOWN ON GRIDLINES HAVE STUD CENTERED ON GRIDLINE UNO.
10. WINDOWS ARE DIMENSIONED TO ROUGH OPENING FACE OF FRAMING
11. DOORS AND RELITES ARE DIMENSIONED TO FACE OF FRAME, UNO
12. ALL WALLS EXTEND TO UNDERSIDE OF DECK UNO
13. DIMENSIONS BETWEEN EXISTING GRIDS TO BE VERIFIED IN THE FIELD



LEVEL 2 AREA B - FLOOR PLAN
SCALE: 1/8" = 1'-0"



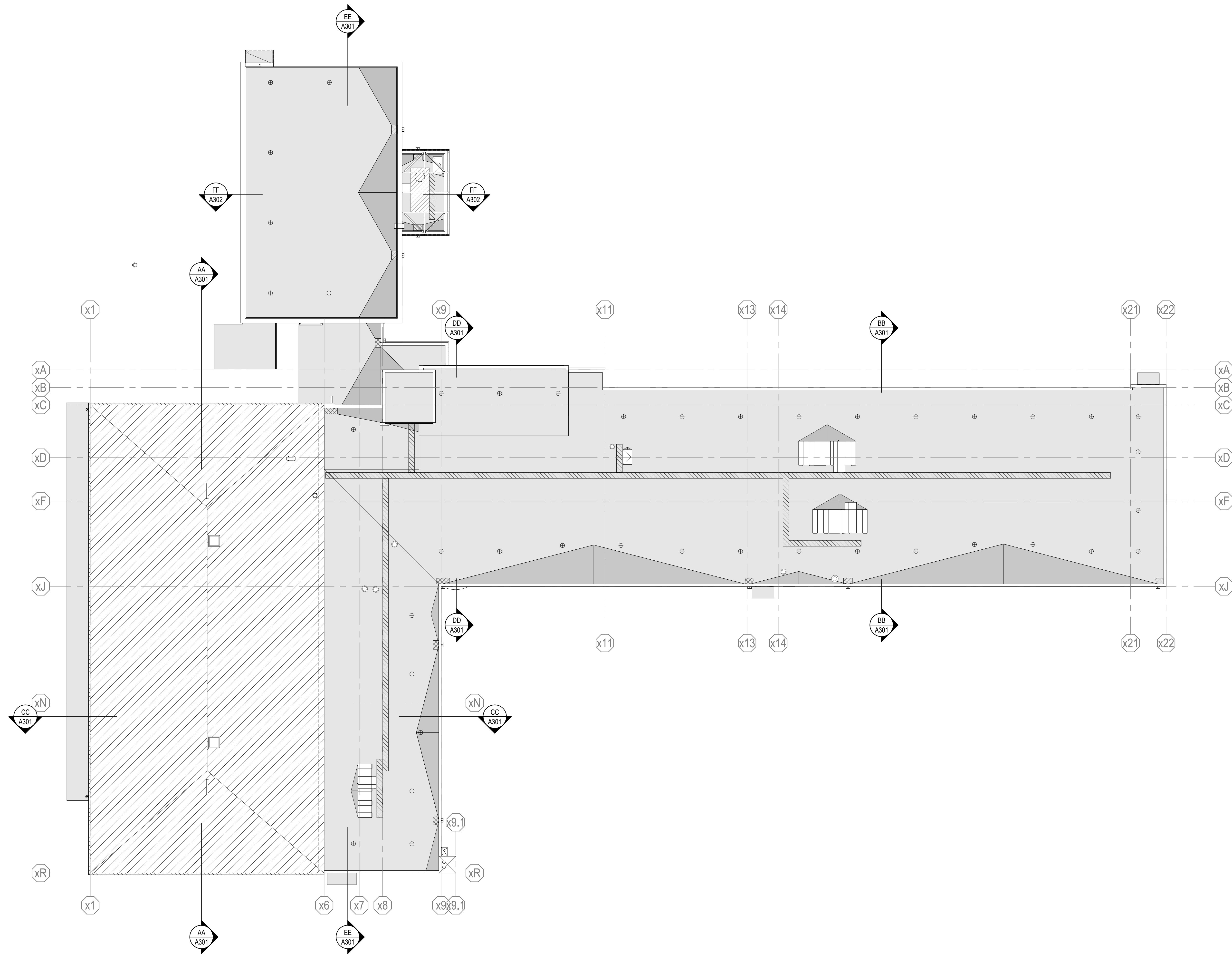
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

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LEVEL 2 AREA B
- FLOOR PLAN

A102B



OVERALL ROOF PLAN

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

ROOF PLAN GENERAL NOTES

1. REFER TO A010 FOR ASSEMBLY TYPES.
2. CRICKETS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE LAYOUT PLAN FOR ARCHITECTS APPROVAL PRIOR TO INSTALLATION.
3. MAINTAIN 1/4" PER FOOT MINIMUM SLOPE FOR ALL CRICKET VALLEYS. WHERE ROOF SLOPE IS EQUAL TO OR STEEPER THAN 1/2" / 1'-0", WHERE ROOF SLOPE IS LESS THAN 1/2" / 1'-0", MAINTAIN 1/8" PER FOOT MINIMUM FOR CRICKET VALLEYS.
4. ROOF PENETRATIONS OF ANY KIND SHALL NOT BE LOCATED IN CRICKET VALLEYS.
5. IN ADDITION TO PENETRATIONS SHOWN ON ROOF PLAN, REFER TO MECHANICAL, ELECTRICAL AND FOOD SERVICE DRAWINGS FOR ADDITIONAL LOCATIONS, TYPES, SIZES AND QUANTITIES. PROVIDE APPROPRIATE FLASHING REQUIRED.
6. FOR CONNECTION OF DOWNSPOUTS TO STORM DRAINAGE SYSTEM, SEE CIVIL DRAWINGS.
7. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL ROOFING DETAILS AND ROOF PARAPET HEIGHTS.
8. PROVIDE A COMPLETE BIDDER-DESIGNED / ENGINEERED FALL PROTECTION SYSTEM AT ALL ROOF AREA EXTENTS, INCLUDING QUANTITY AND LAYOUT OF ANCHOR POINTS.



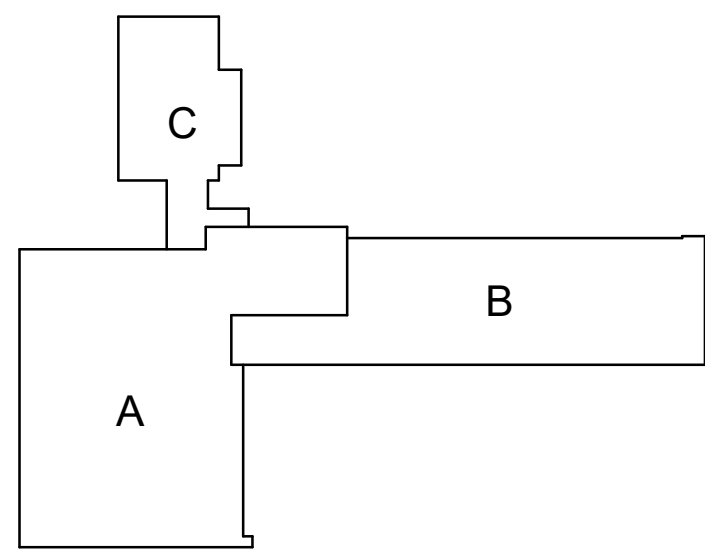
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

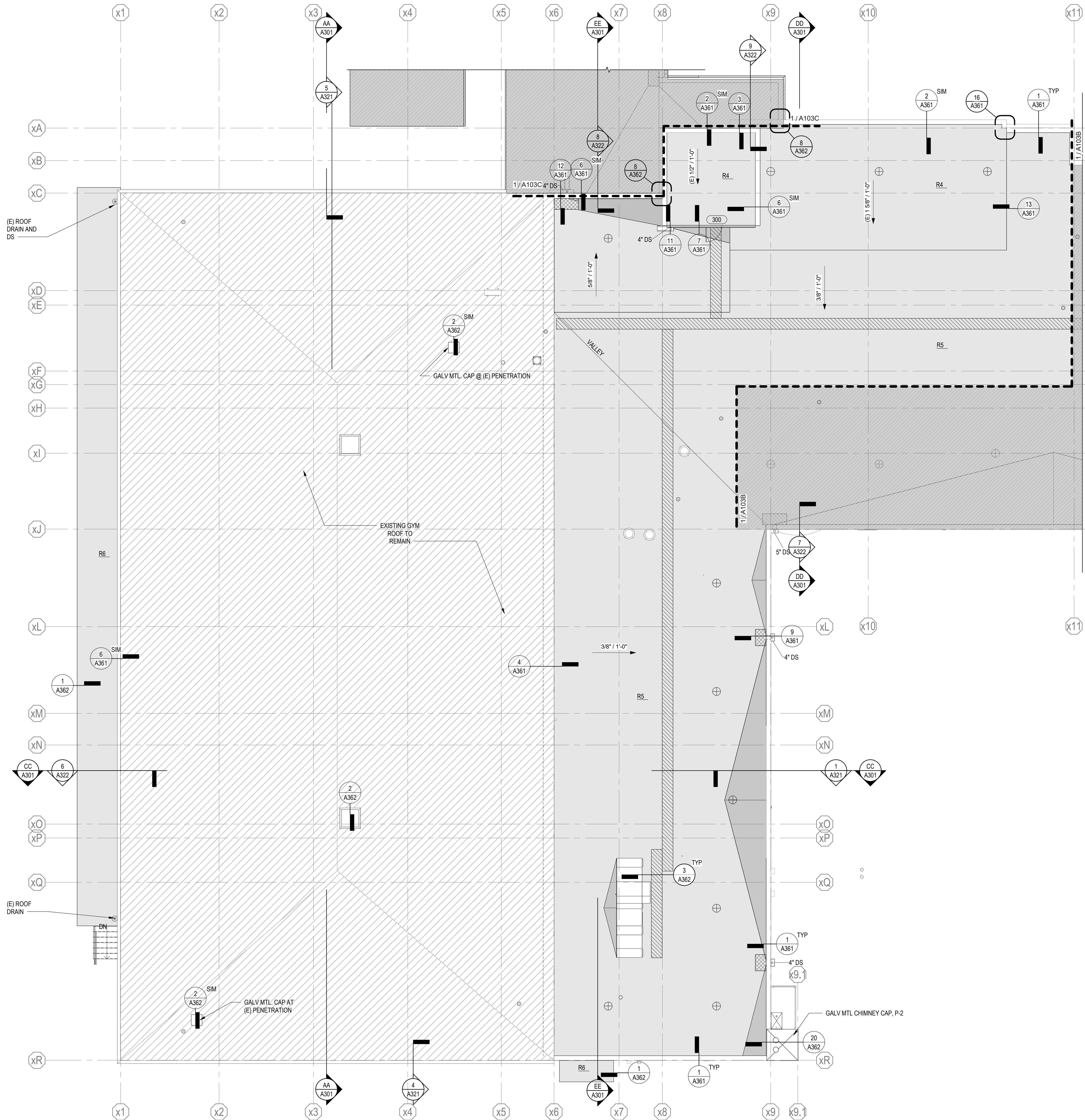
Date: 05/28/2021
Job No.: 21938.00
Drawn By: EP
Checked by: MT

Revisions		
#	Date	Description

OVERALL ROOF
PLAN

A103





ROOF PLAN GENERAL NOTES

1. REFER TO A010 FOR ASSEMBLY TYPES.
2. CRICKETS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE LAYOUT PLAN FOR ARCHITECTS APPROVAL PRIOR TO INSTALLATION.
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8. PROVIDE A COMPLETE BIDDER-DESIGNED / ENGINEERED FALL PROTECTION SYSTEM AT ALL ROOF AREA EXTENTS, INCLUDING QUANTITY AND LAYOUT OF ANCHOR POINTS.

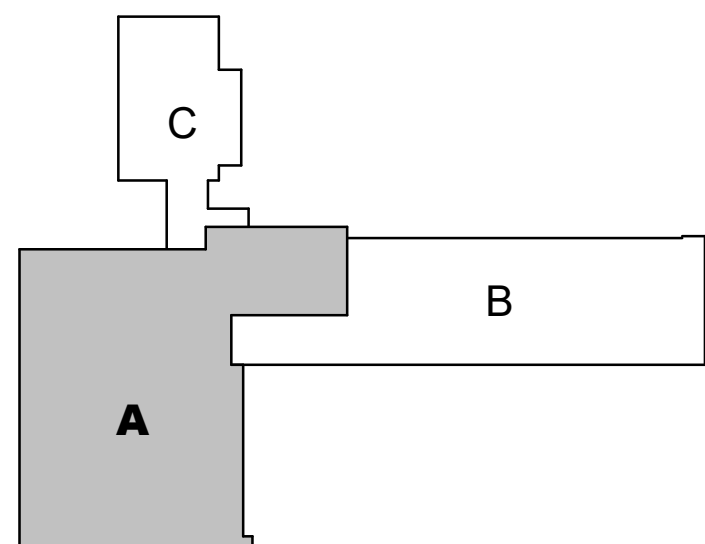
ROOF PLAN LEGEND

- EXISTING ROOF TO REMAIN
- ROOF SCUPPER, CONDUCTOR HEAD, & DS
- PIPE PENETRATIONS THROUGH ROOF PER MECH SEE DTL. 7 / A362
- EQUIP CURB w/ UPSLOPE CRICKET
- CRICKET, MIN CRICKET SLOPE TO MATCH ROOF SLOPE, MIN CRICKET VALLEY SLOPE: 1/4" / 1'-0" TYP., 1/8" / 1'-0" @ 3/8" / 1'-0" ROOF SLOPE ONLY.
- WALKWAY PADS
- SPLASH BLOCK, TYP
- APPROXIMATE FALL PROTECTION ANCHOR LOCATION, INSTALL PER 6 / A362 AND/OR 11 / A363
- ROOF ACCESS LADDER
- RELIEF PER MECHANICAL
- EXHAUST FAN PER MECHANICAL, CURB PER 3 / A362 OR 14 / A363



ENLARGE ROOF PLAN - BUILDING 1 AREA A

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



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ENLARGED
ROOF PLAN -
BUILDING 1
AREA A

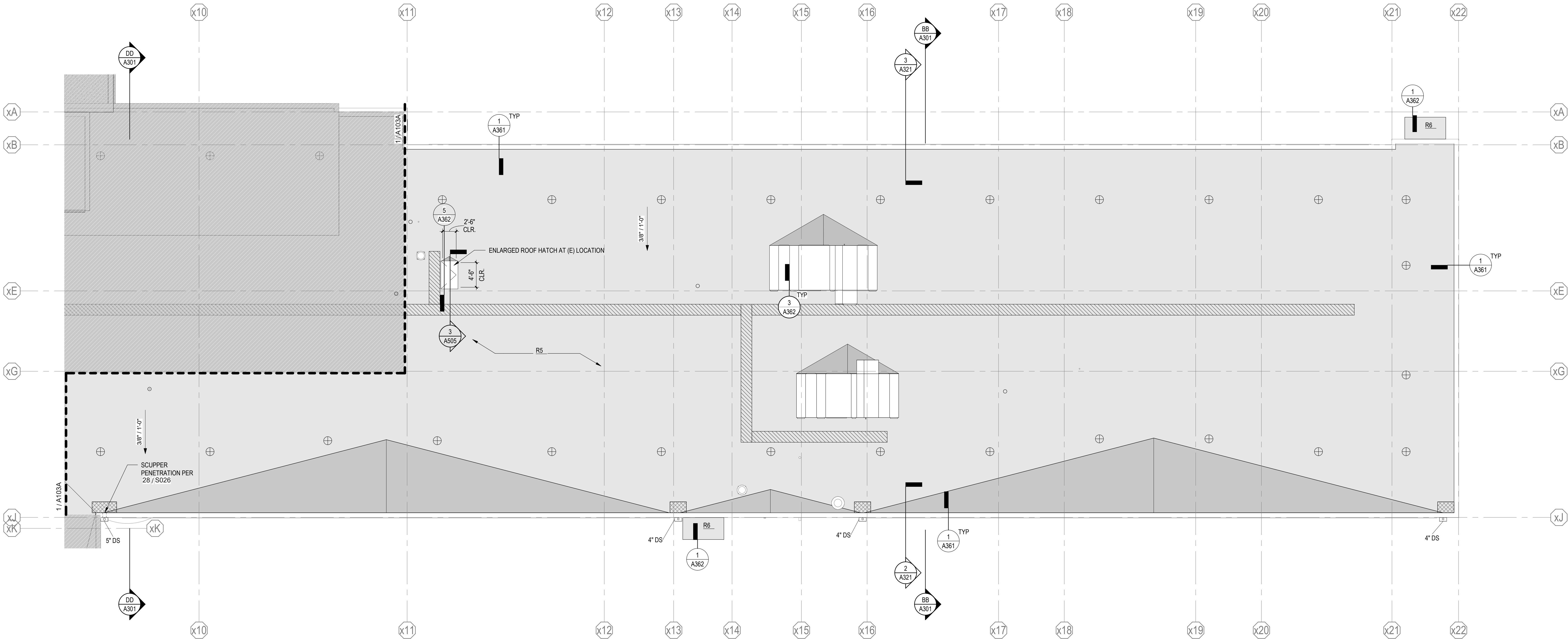
A103A

ROOF PLAN LEGEND

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- WALKWAY PADS
- SPLASH BLOCK, TYP
- APPROXIMATE FALL PROTECTION ANCHOR LOCATION, INSTALL PER 6 / A362 AND/OR 11 / A363
- ROOF ACCESS LADDDER
- RELIEF PER MECHANICAL
- EXHAUST FAN PER MECHANICAL, CURB PER 3 / A362 OR 14 / A363

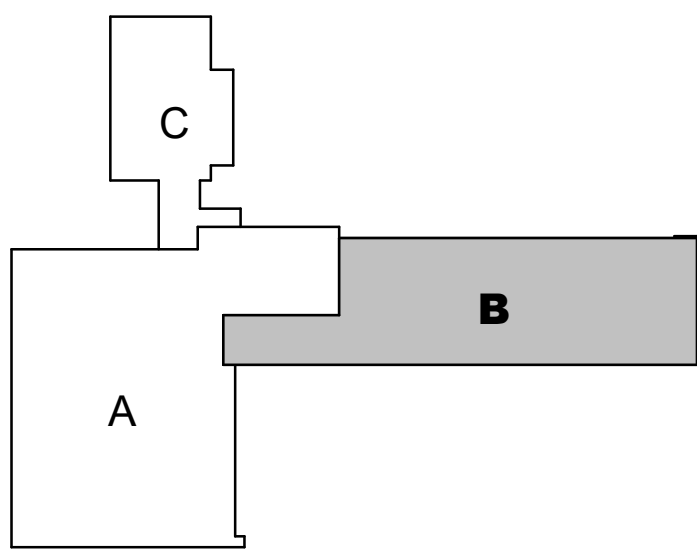
ROOF PLAN GENERAL NOTES

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- FOR CONNECTION OF DOWNSPOUTS TO STORM DRAINAGE SYSTEM, SEE CIVIL DRAWINGS.
- SEE EXTERIOR ELEVATIONS FOR ADDITIONAL ROOFING DETAILS AND ROOF PARAPET HEIGHTS
- PROVIDE A COMPLETE BIDDER-DESIGNED / ENGINEERED FALL PROTECTION SYSTEM AT ALL ROOF AREA EXTENTS, INCLUDING QUANTITY AND LAYOUT OF ANCHOR POINTS.



ENLARGE ROOF PLAN - BUILDING 1 AREA B

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



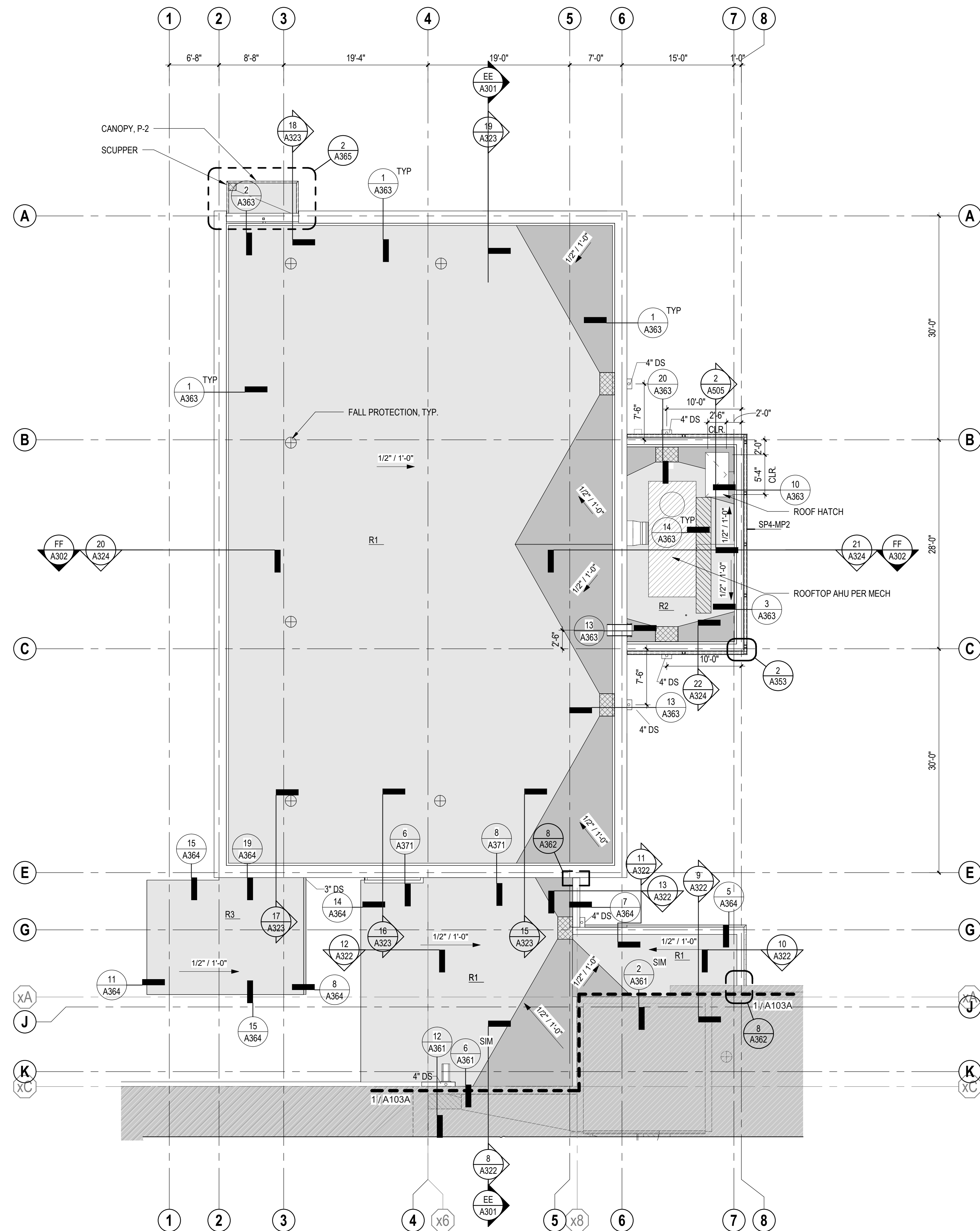
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

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ENLARGED
ROOF PLAN -
BUILDING 1
AREA B

A103B



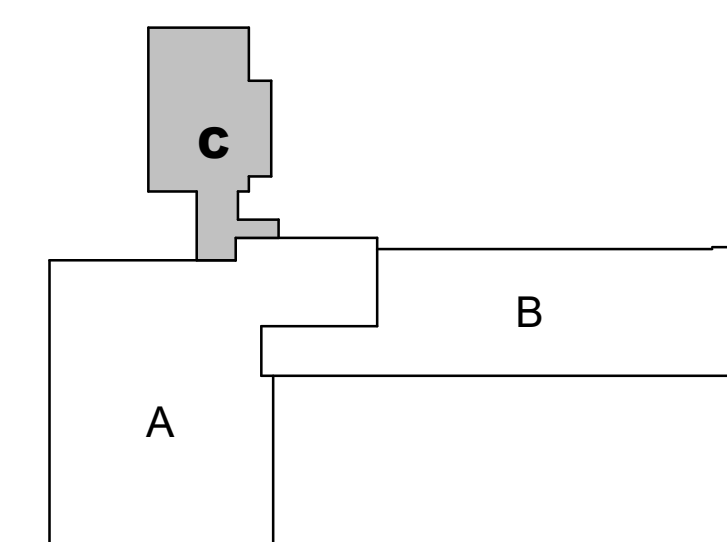
1. REFER TO A010 FOR ASSEMBLY TYPES.
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ROOF PLAN LEGEND

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- WALKWAY PADS
- SPLASH BLOCK, TYP
- APPROXIMATE FALL PROTECTION ANCHOR LOCATION, INSTALL PER 6 / A362 AND/OR 11 / A363
- ROOF ACCESS LADDER
- RELIEF PER MECHANICAL
- EXHAUST FAN PER MECHANICAL, CURB PER 3 / A362 OR 14 / A363



ENLARGE ROOF PLAN - BUILDING 1 AREA C
SCALE: 1/8" = 1'-0"

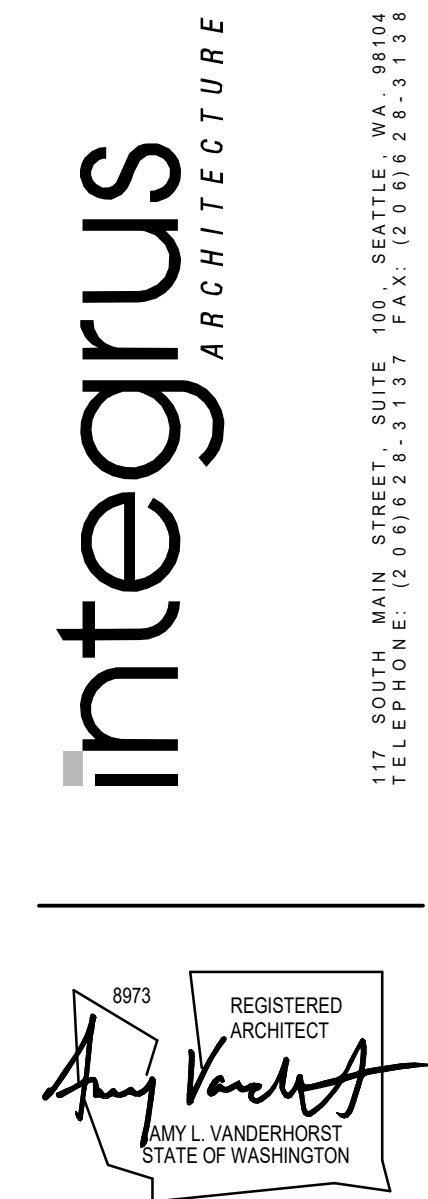


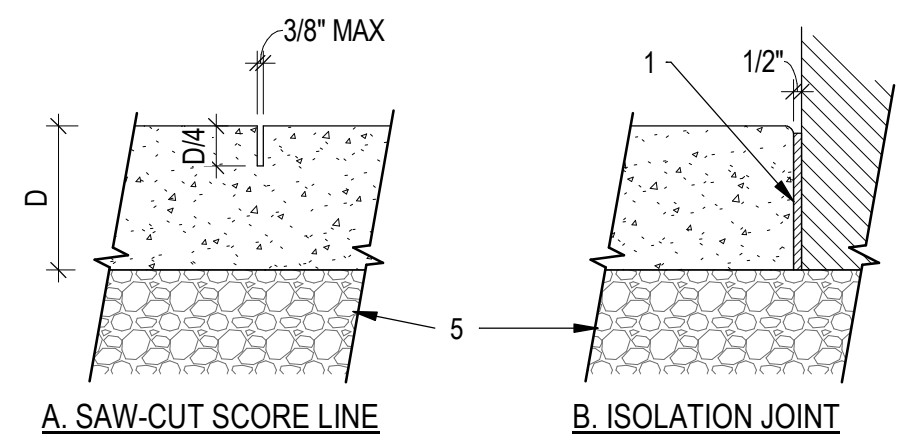
ENLARGED
ROOF PLAN -
BUILDING 1
AREA C

A103C

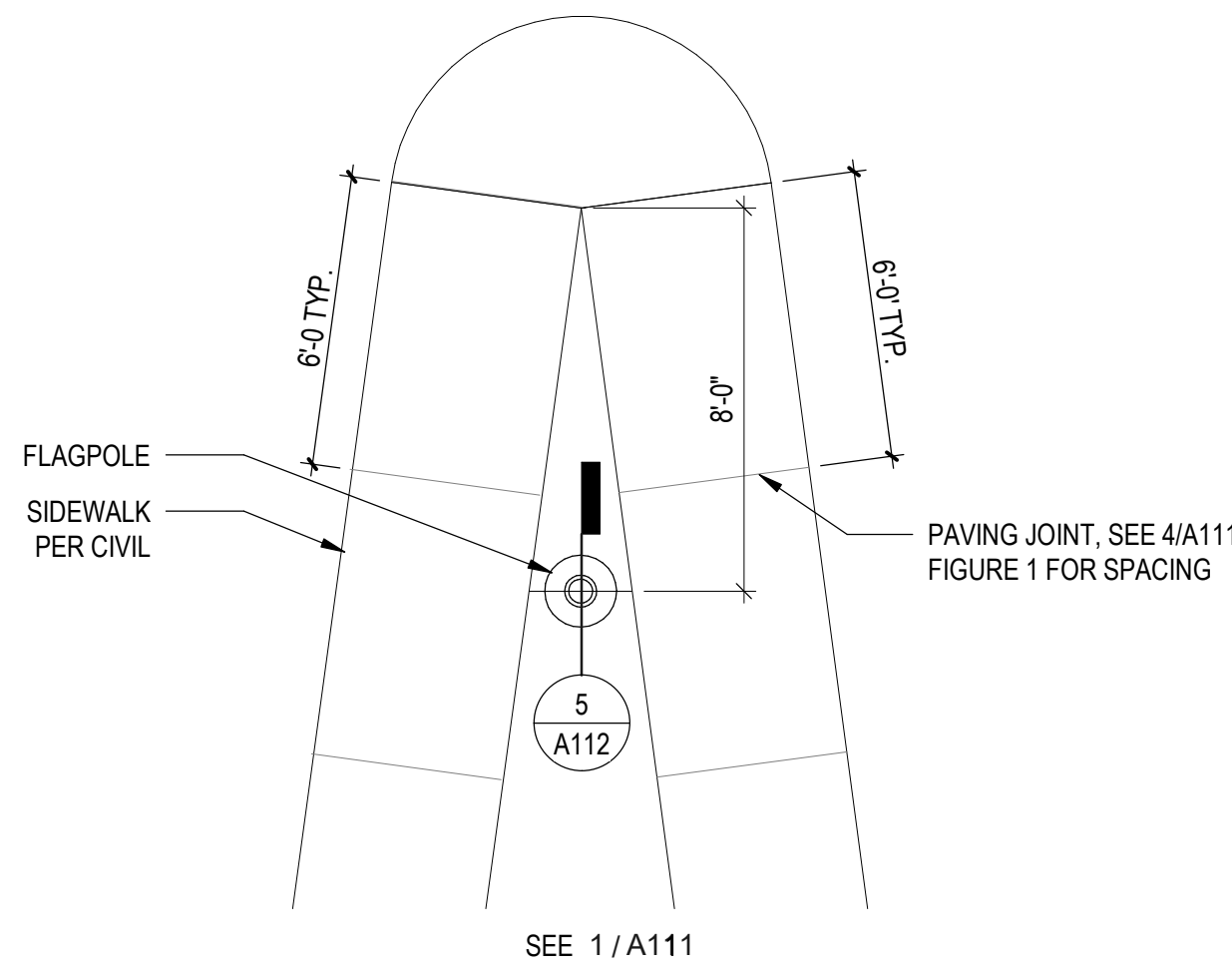
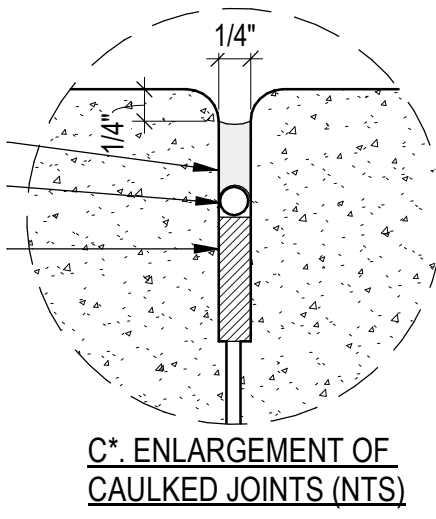
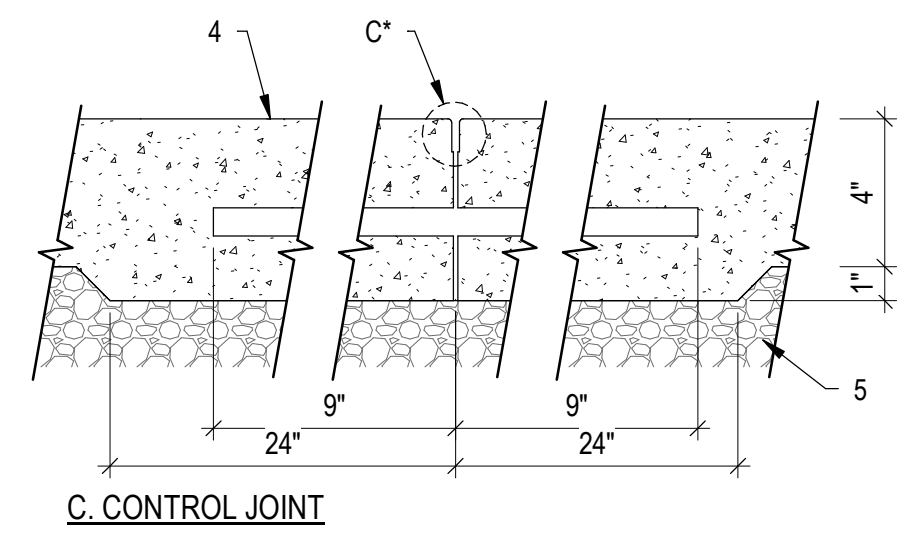
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KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626





1. 1/4" OR 1/2" FELT EXPANSION FIBER BOARD CONTINUOUS FROM ONE PAVEMENT EDGE.
2. JOINT SEALANT PER WSDOT STD SPEC 9-04.2, COLOR: GRAY
3. BACKER ROD BELOW CAULKING
4. 1/2" X 18" COATED DOWEL, 36" O.C., PER WSDOT STD SPEC 5-05.3(10)
5. SUBGRADE (PER CIVIL)



2 FLAGPOLE
SCALE: 1/4" = 1'-0"

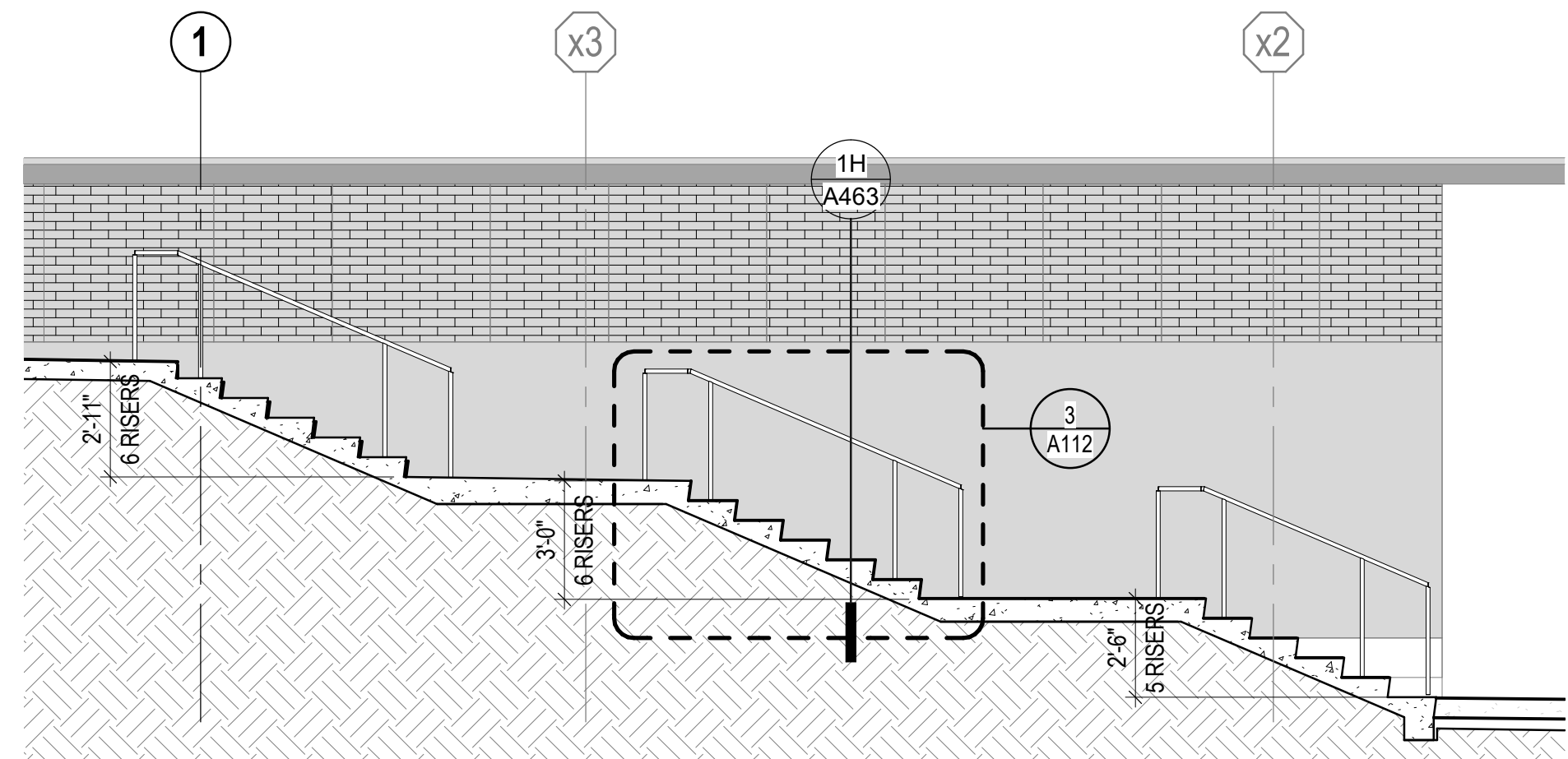
FIGURE 1: JOINT SPACING IN FEET

SLAB THICKNESS, IN.	MAXIMUM-SIZE AGGREGATE LESS THAN 3/4"	MAXIMUM-SIZE AGGREGATE 3/4" AND LARGER
4	8	10
5	10	13
6	12	15

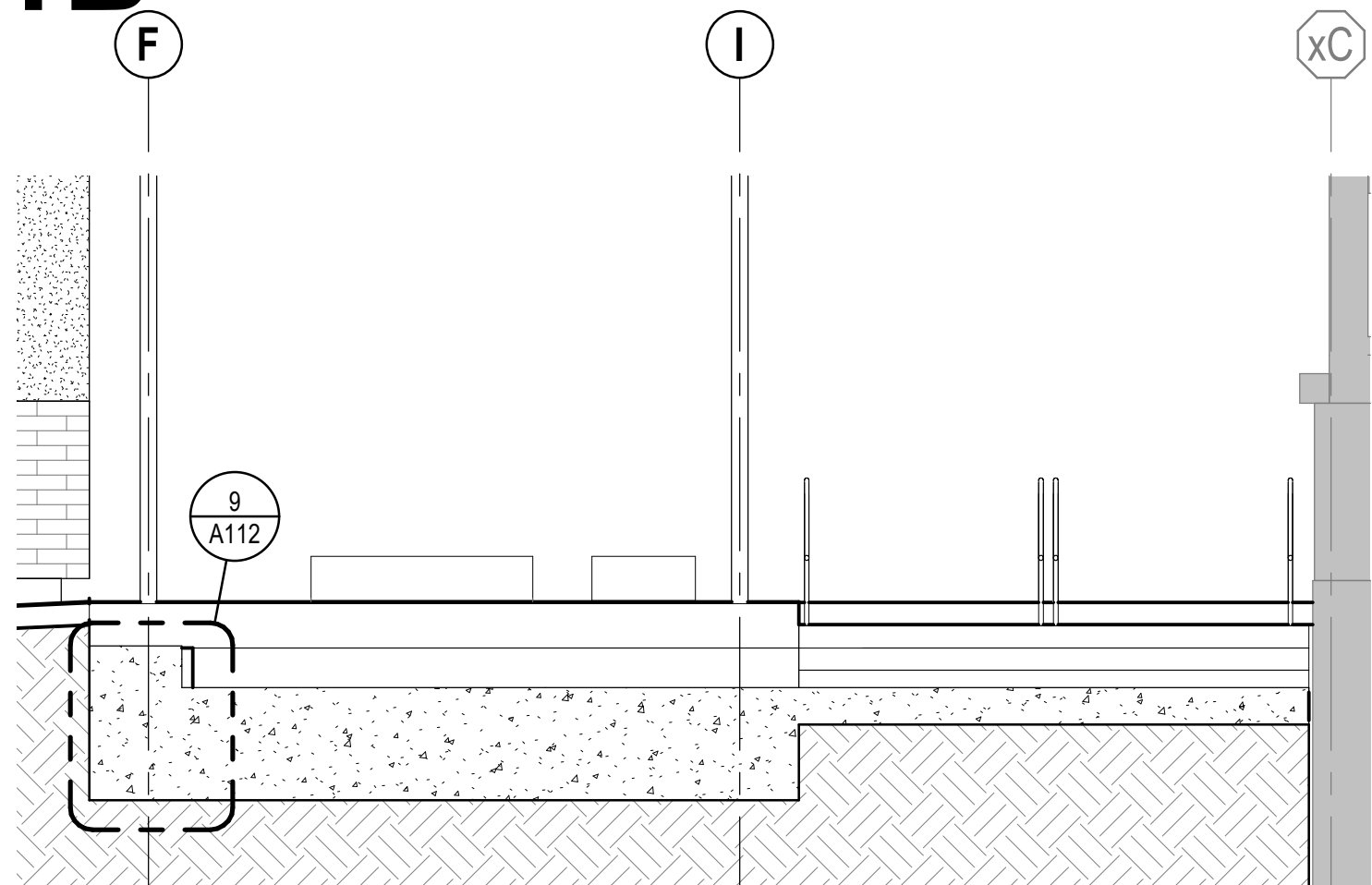
JOINT-SPACING NOTES:

- A. CONTROL JOINTS TO BE PLACED TO PRODUCE PANELS THAT ARE AS SQUARE AS POSSIBLE AND NEVER EXCEED A LENGTH TO WIDTH RATIO OF 1-1/2 TO 1 (SEE FIGURE 1). JOINTS TO BE SPACED AT DISTANCES EQUAL TO 24 TO 30 TIMES THE SLAB THICKNESS. JOINT SPACING THAT IS GREATER THAN 15 FT. REQUIRE THE USE OF LOAD TRANSFER DEVICES SUCH AS DOWELS OR DIAMOND PLANTS.
- B. CONTROL JOINTS MAY BE TOOLED INTO THE CONCRETE SURFACE AT THE TIME OF PLACEMENT. JOINTS MAY BE TOOLED INTO THE SURFACE (FIRST PASS) PRIOR TO THE ONSET OF BLEEDING OR IMMEDIATELY WITH THE FIRST PASS OF THE FLOATING OPERATION. THE LONGER THE FIRST PASS FOR JOINTING IS DELAYED THE MORE DIFFICULT IT WILL BE TO SHAPE CLEAN STRAIGHT LINE JOINTS. TOOLED JOINTS TO BE RE-ESTABLISHED WITH EACH SUCCESSIVE PASS OF FINISHING OPERATIONS.

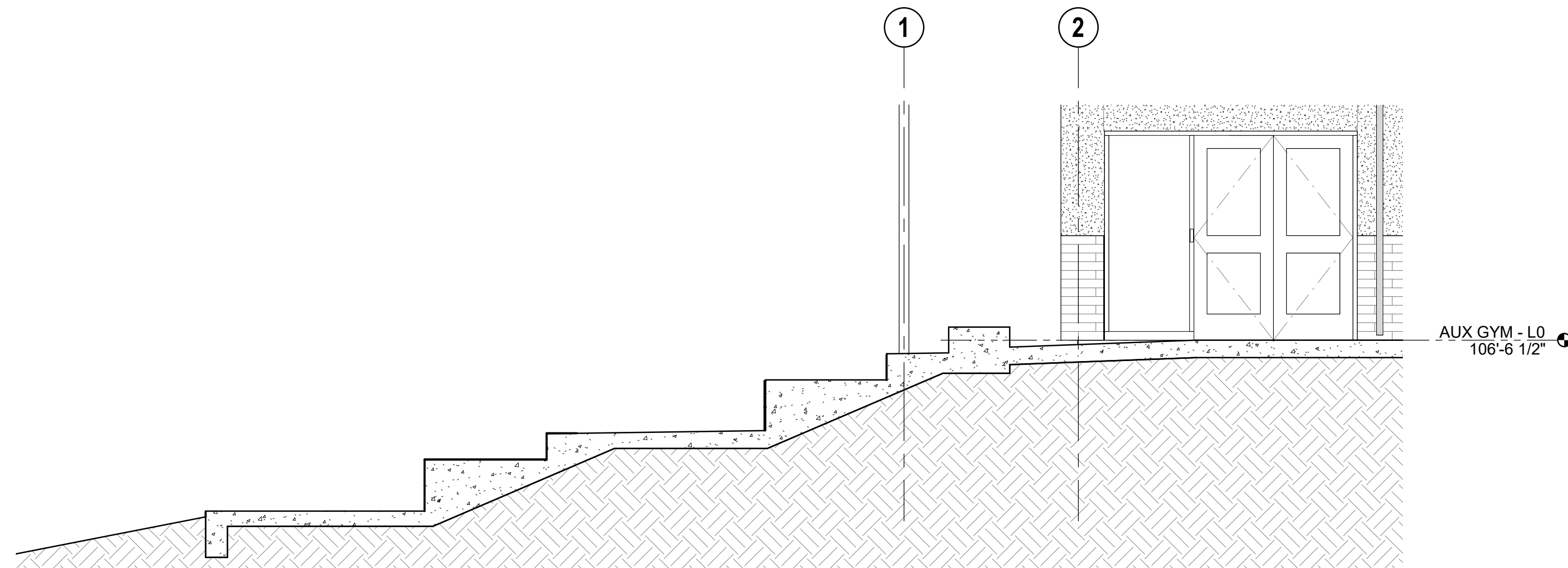
3 PAVING JOINTS
SCALE: 1" = 1'-0"



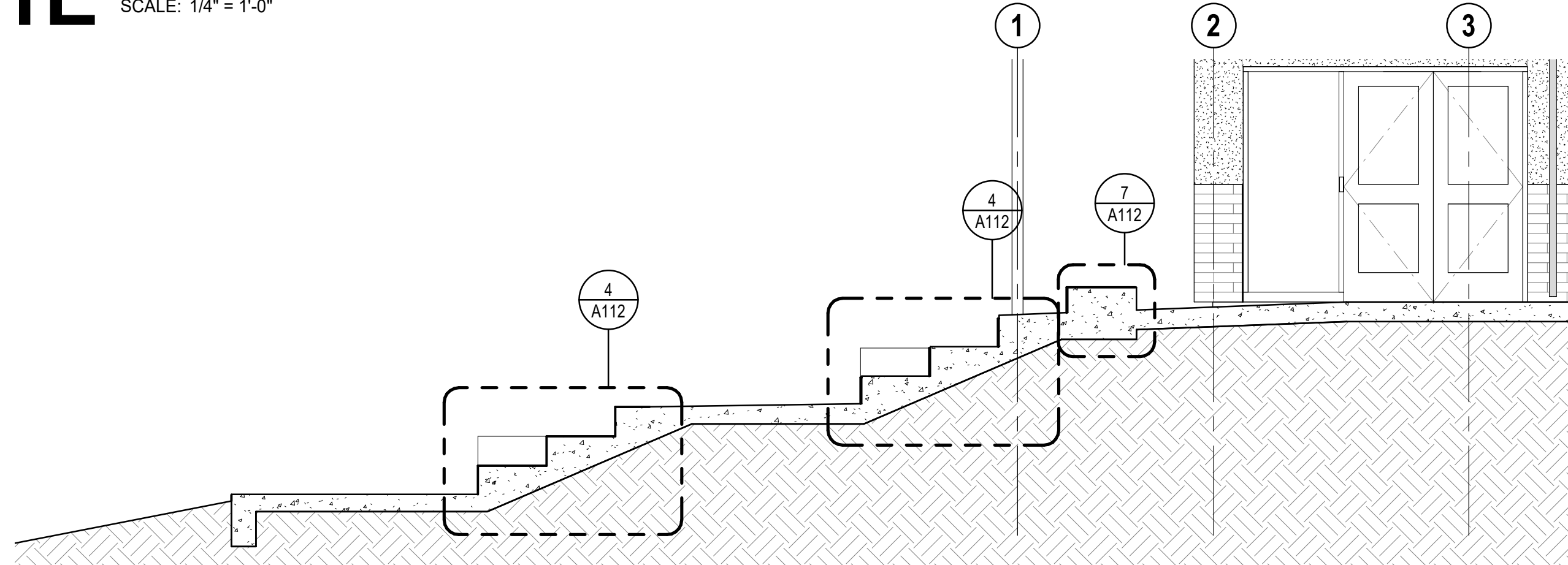
1B EXTERIOR ENTRY STAIR SOUTH
SCALE: 1/4" = 1'-0"



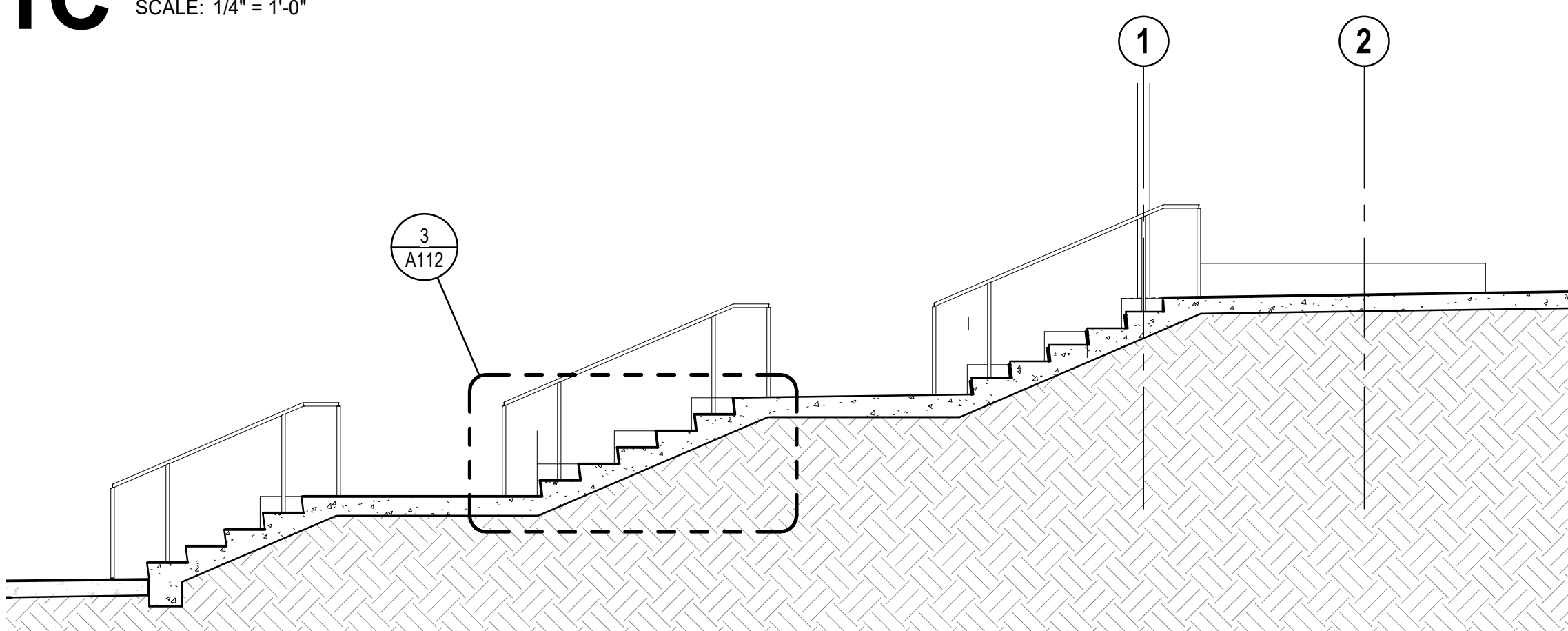
1D EXTERIOR FORUM SEATING NORTH1
SCALE: 1/4" = 1'-0"



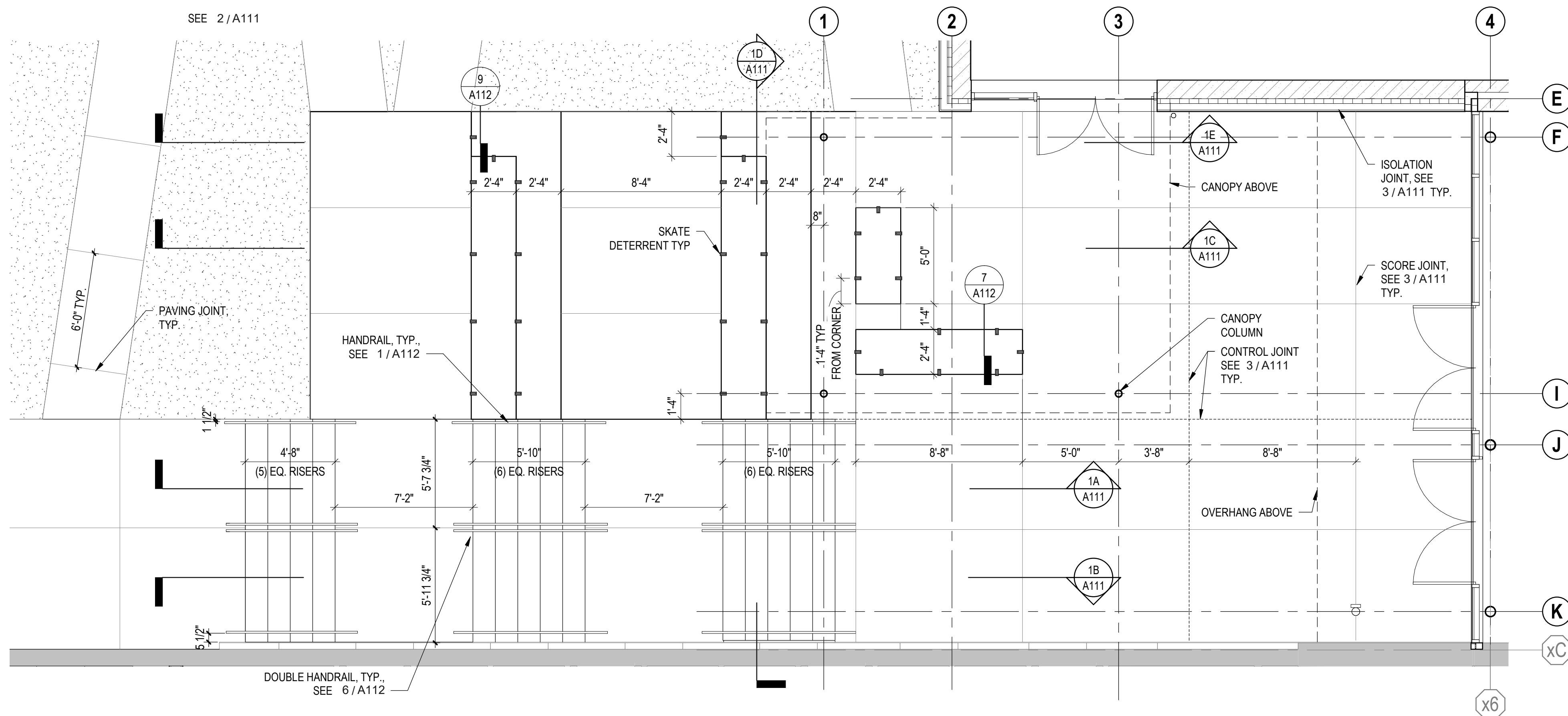
1E EXTERIOR FORUM SEATING NORTH2
SCALE: 1/4" = 1'-0"



1C EXTERIOR FORUM SEATING NORTH
SCALE: 1/4" = 1'-0"



1A EXTERIOR ENTRY STAIR NORTH
SCALE: 1/4" = 1'-0"



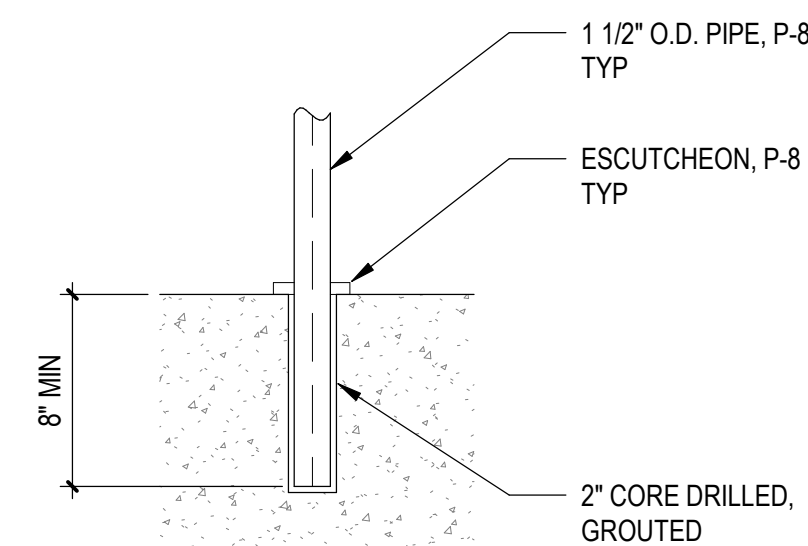
1 EXTERIOR ENTRY STAIR AND SEATING
SCALE: 1/4" = 1'-0"

**KELSO SCHOOL DISTRICT NO. 458
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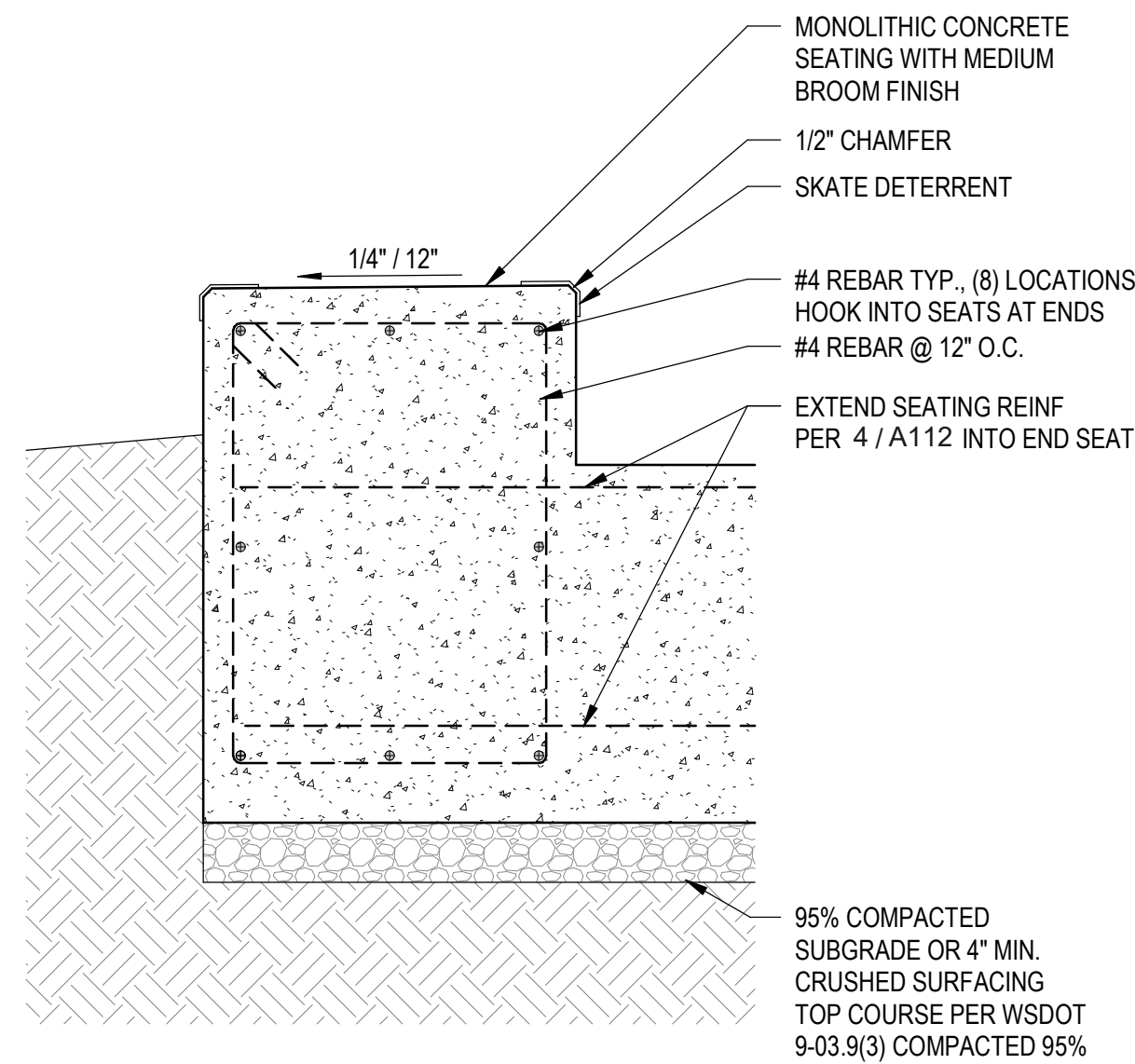
Date:	05/28/2021	
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ENLARGED
STAIR PLANS
AND SECTION

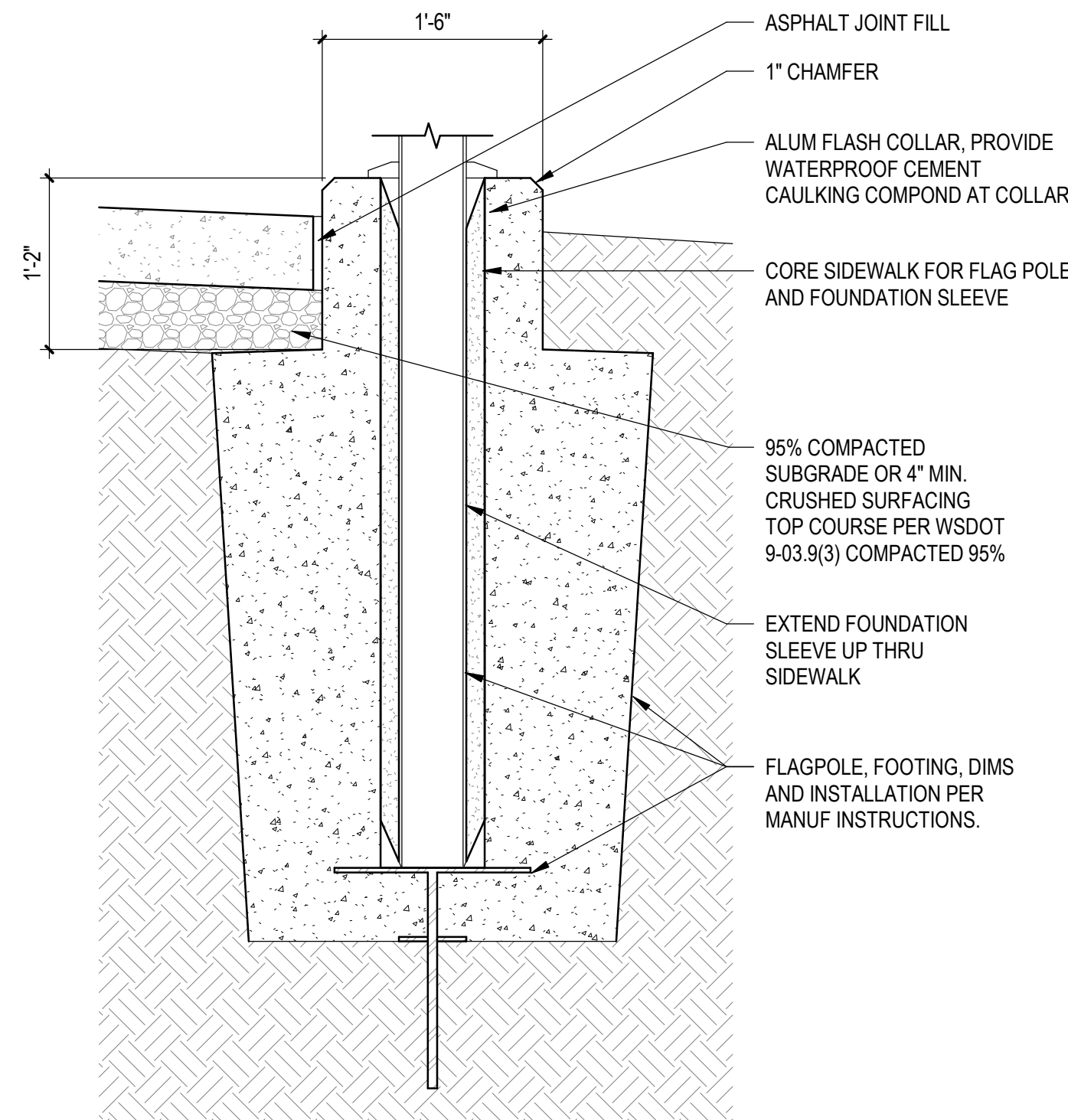
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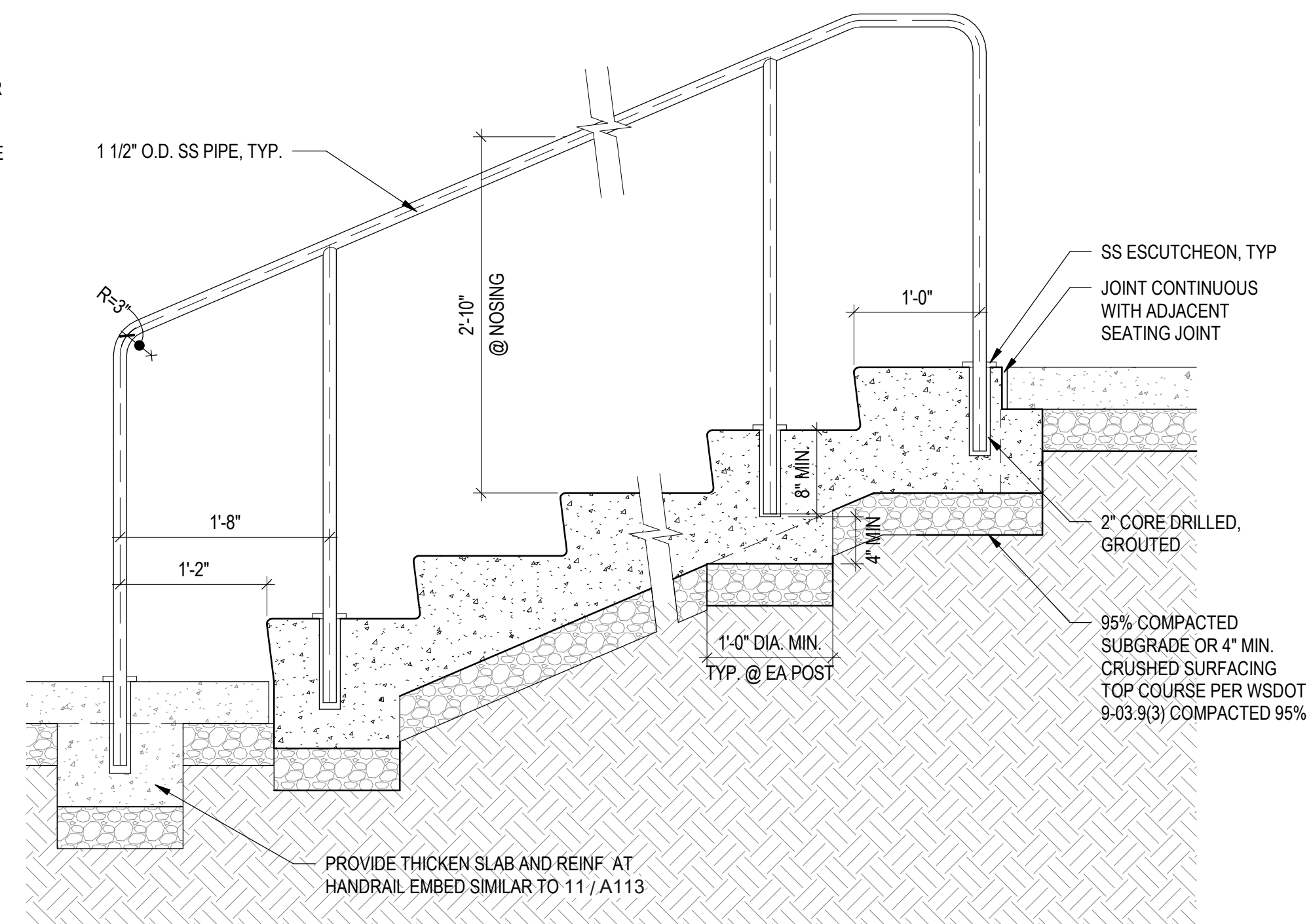
13 DETAIL - POST AT CONC
SCALE: 1" = 1'-0"



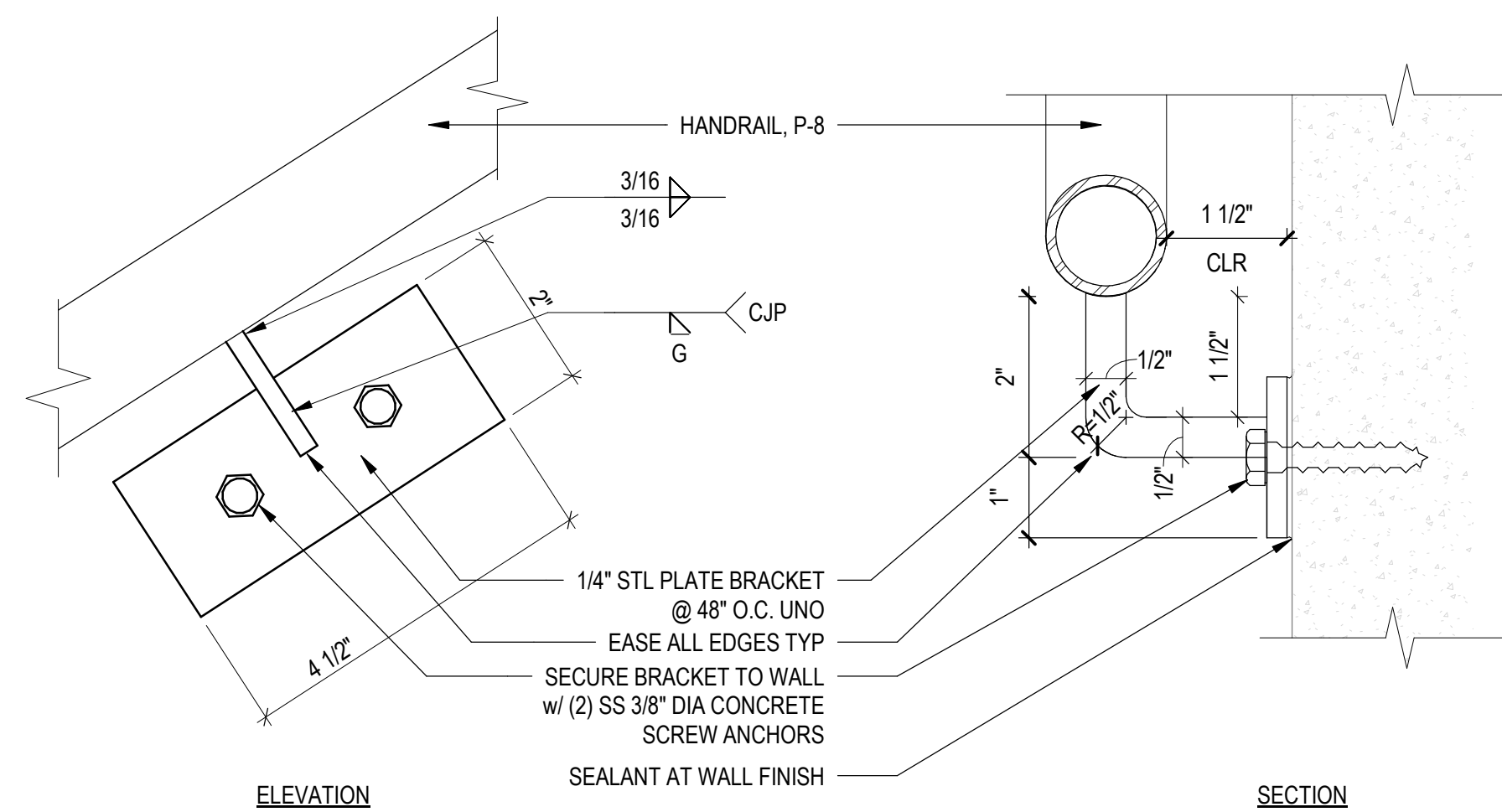
9 DETAIL - SEATING
SCALE: 1" = 1'-0"



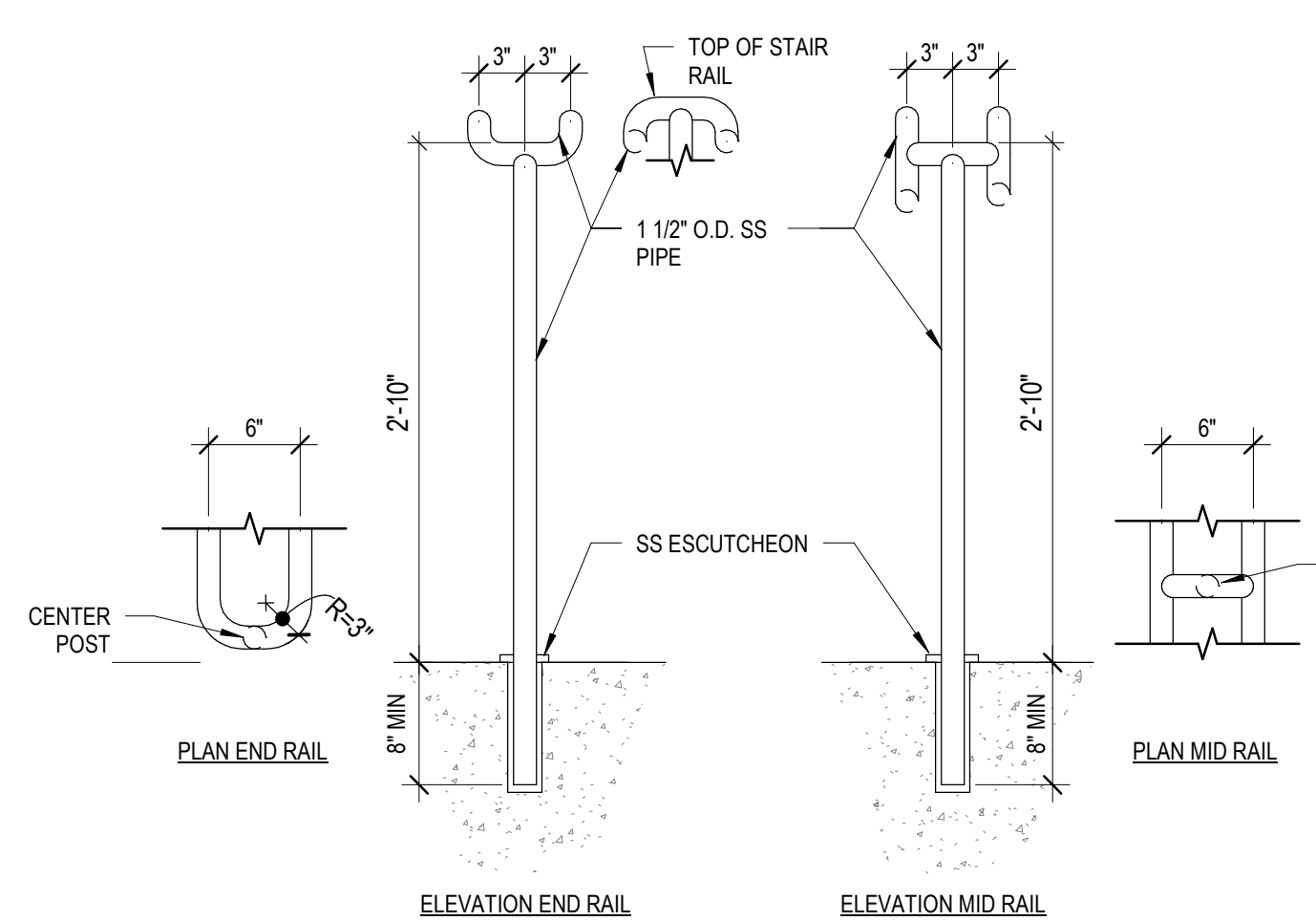
5 DETAIL - FLAGPOLE
SCALE: 1" = 1'-0"



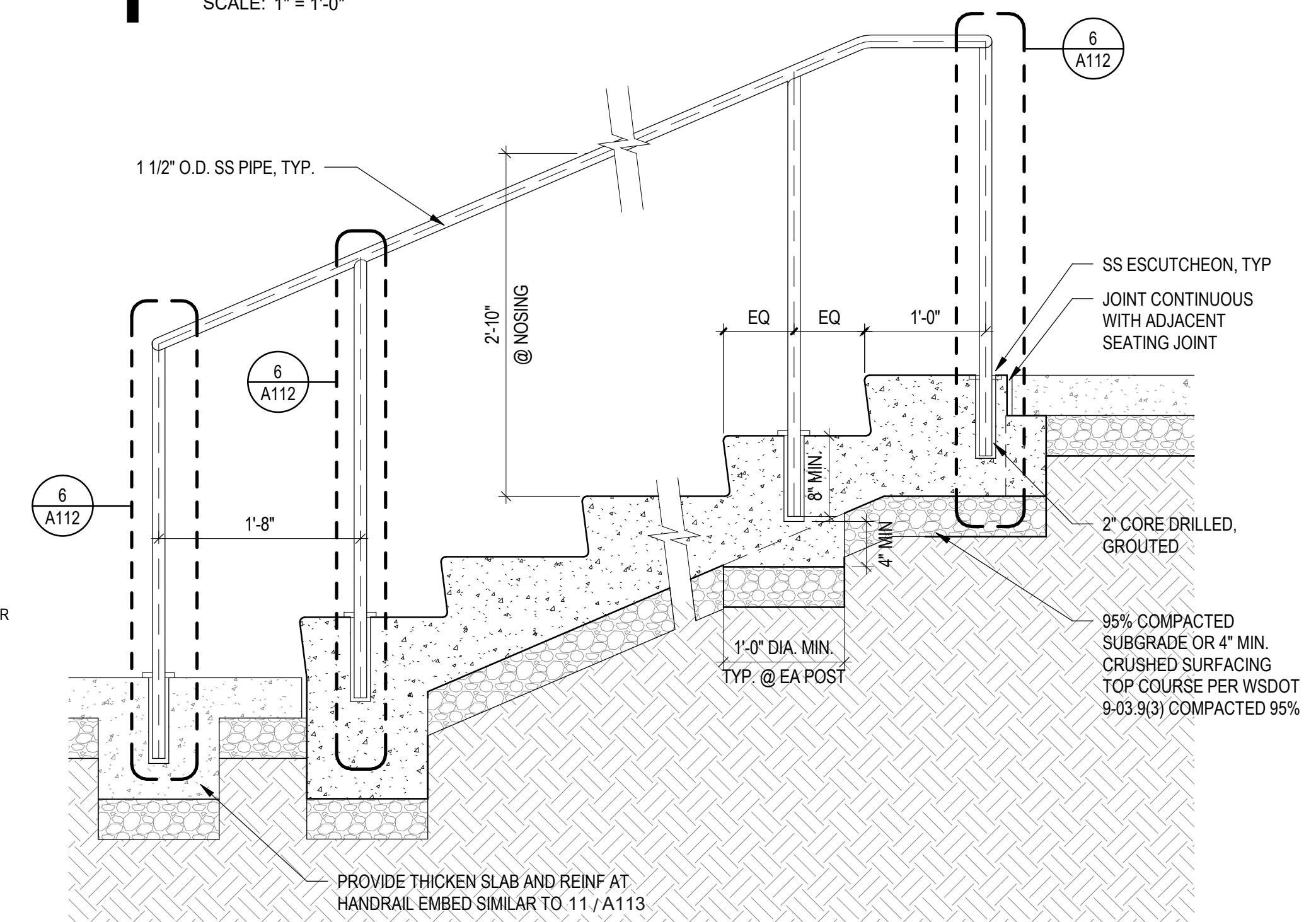
1 DETAIL - HANDRAIL
SCALE: 1" = 1'-0"



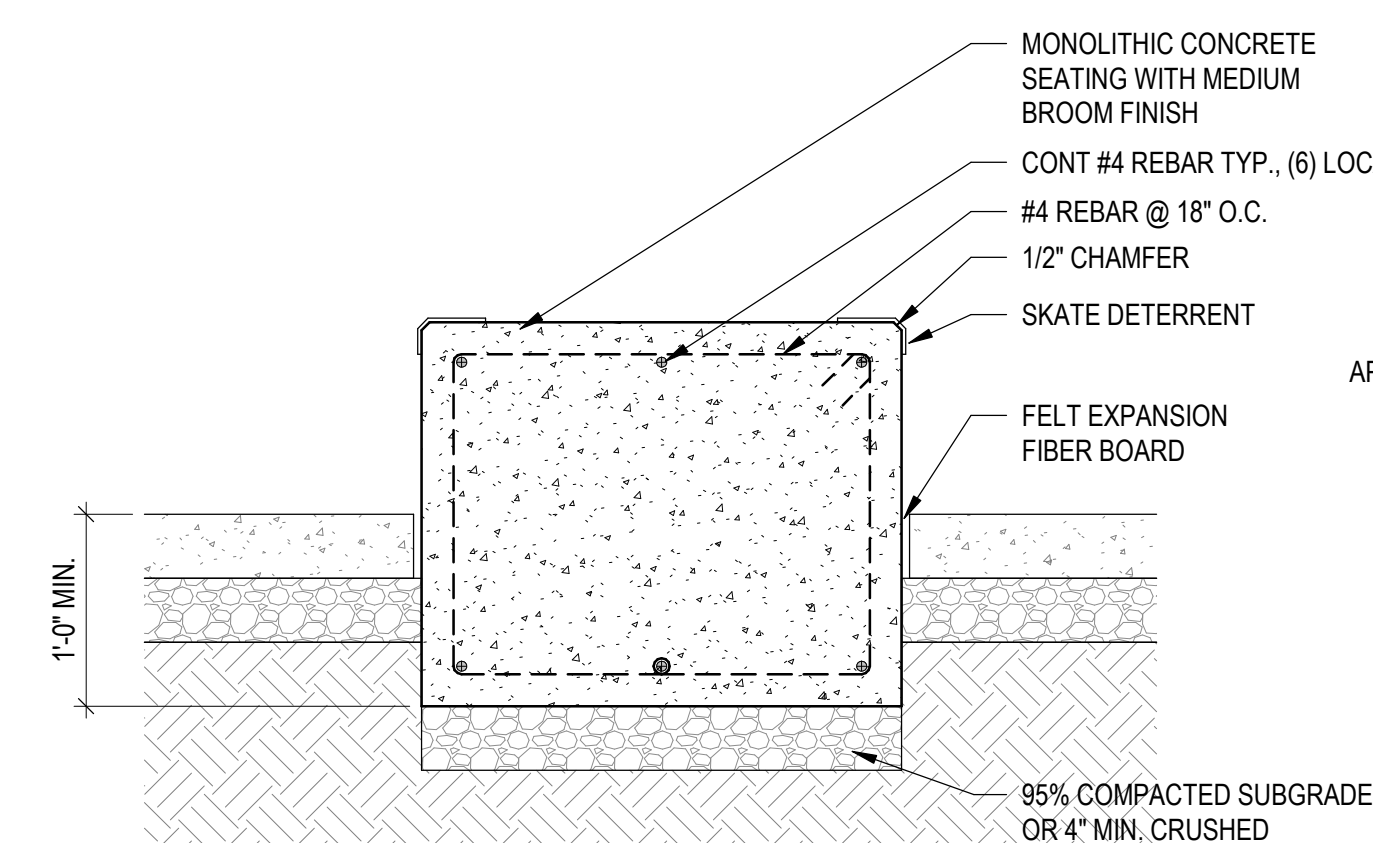
11 HANDRAIL AT CONC WALL
SCALE: 6" = 1'-0"



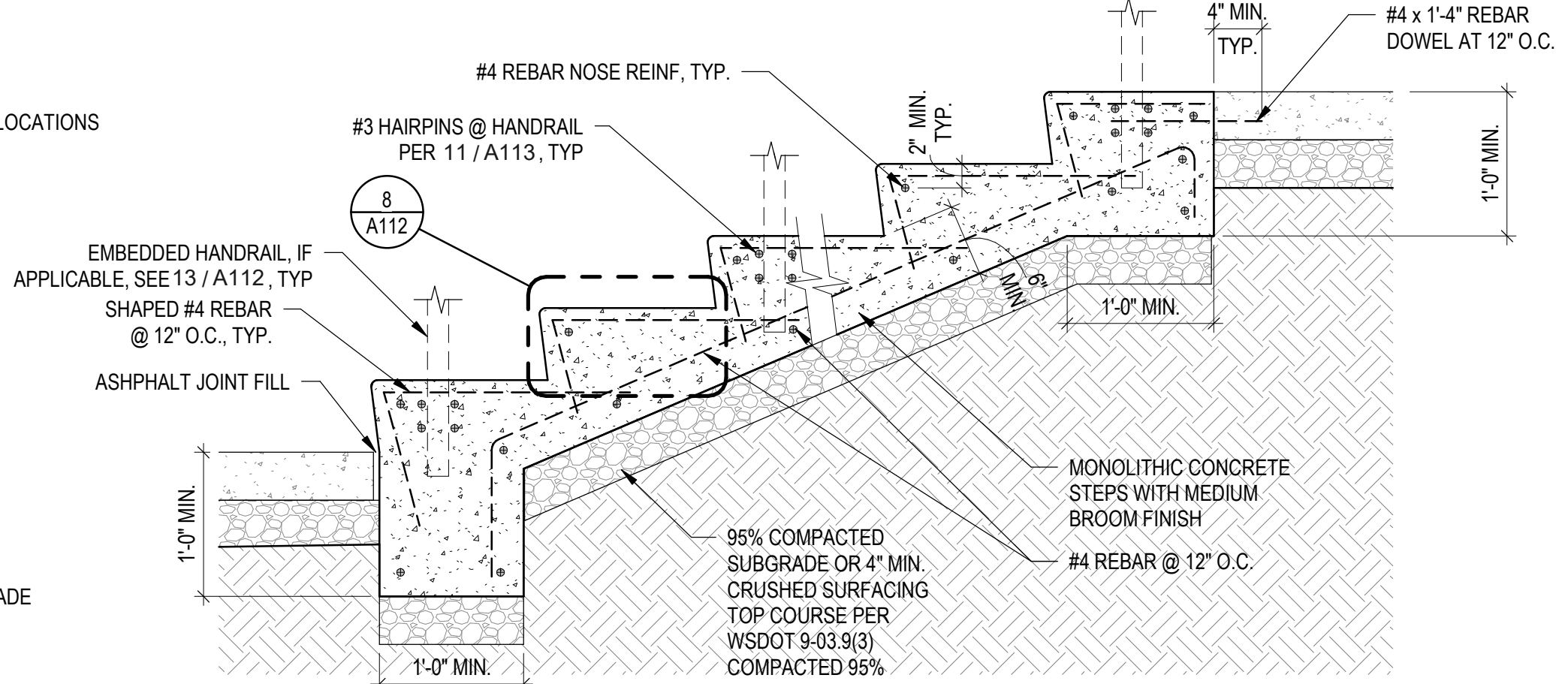
6 DETAIL - DOUBLE HANDRAIL AT STAIR
SCALE: 1" = 1'-0"



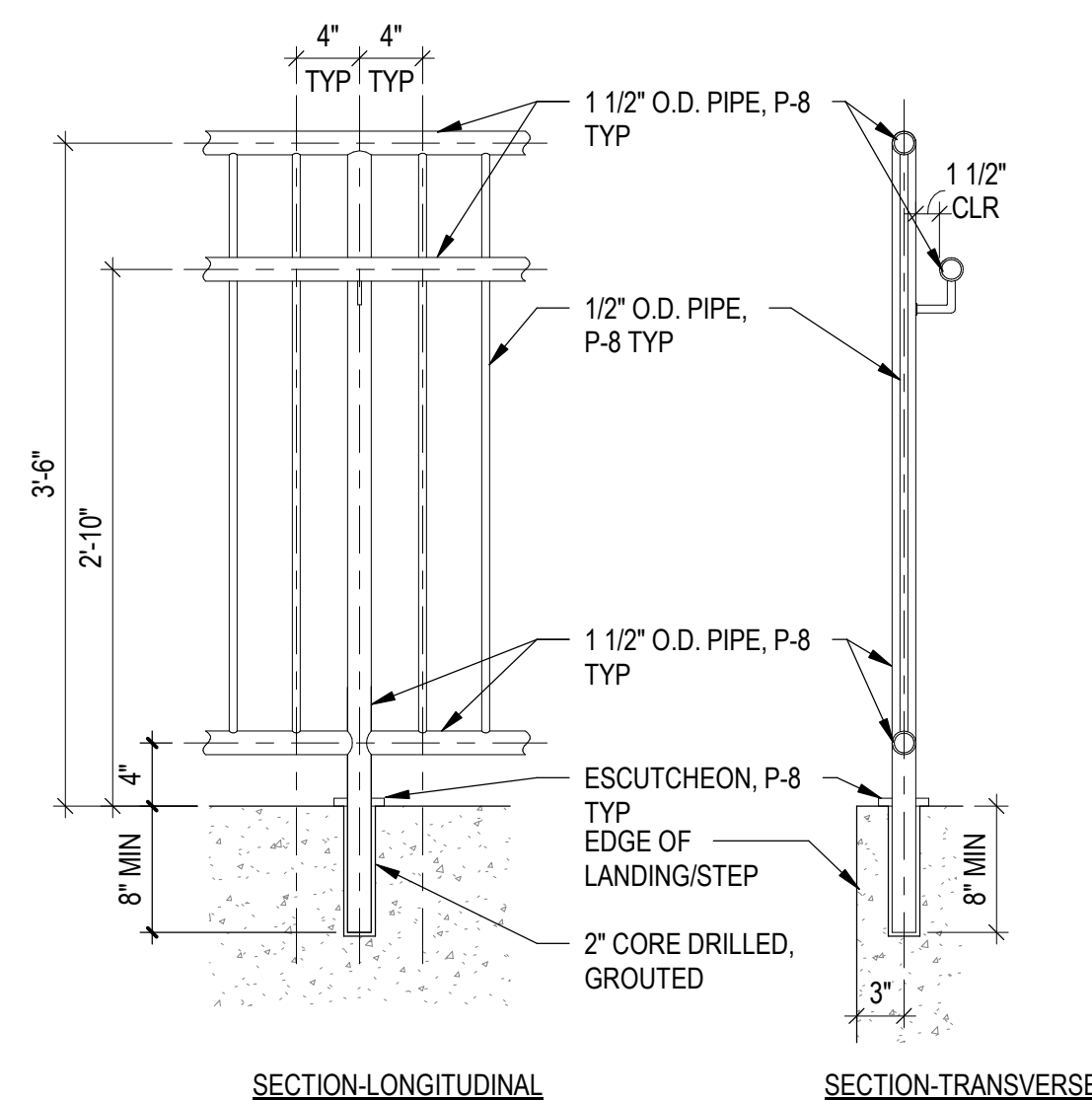
3 DETAIL - STAIR SECTION
SCALE: 1" = 1'-0"



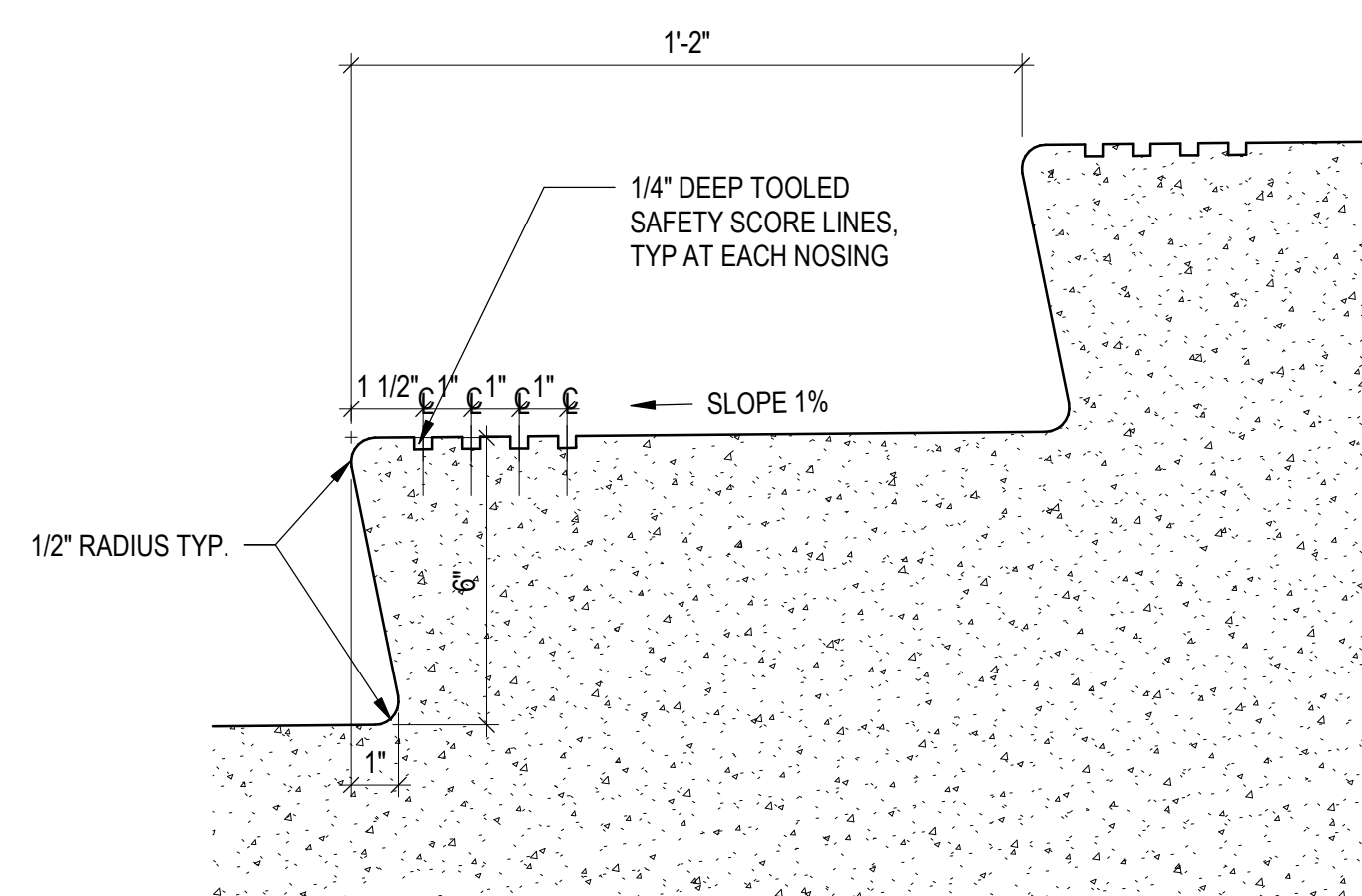
7 DETAIL - SEATING 3
SCALE: 1" = 1'-0"



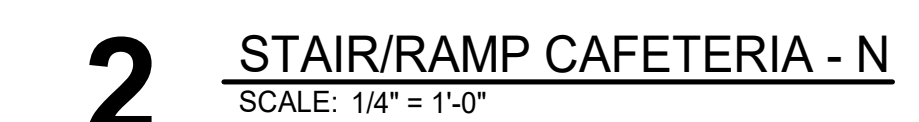
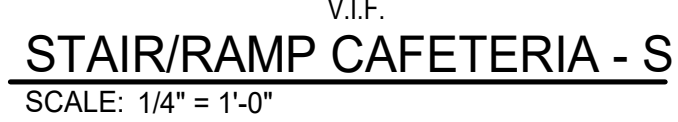
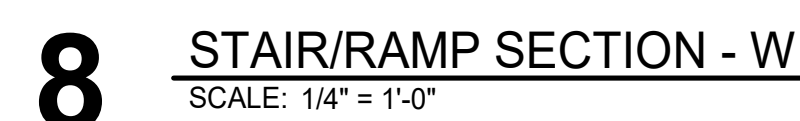
8 DETAIL - STAIR RISER TYP
SCALE: 3" = 1'-0"

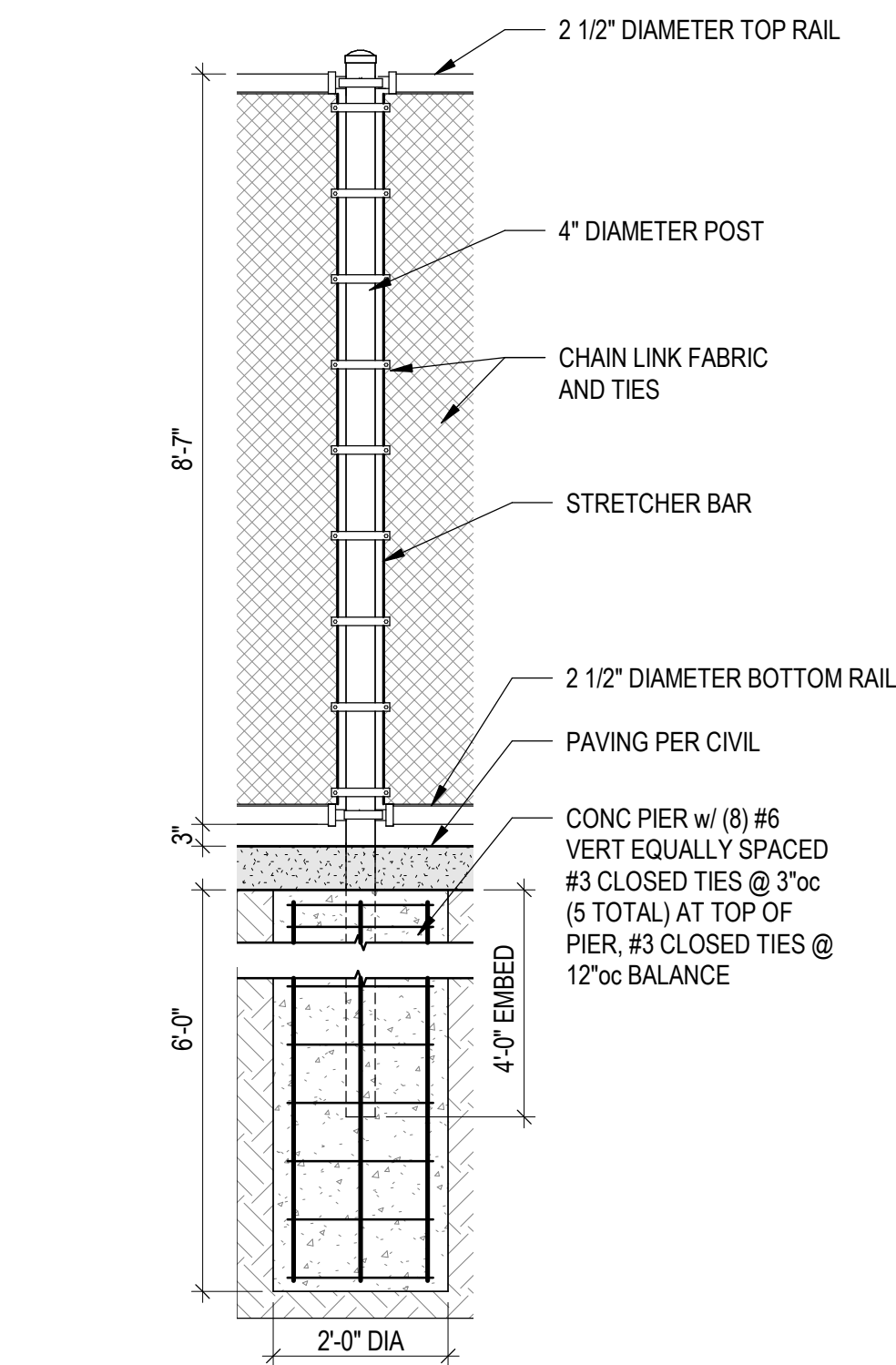


12 DETAIL - GAURDRAIL AT CONC
SCALE: 1" = 1'-0"

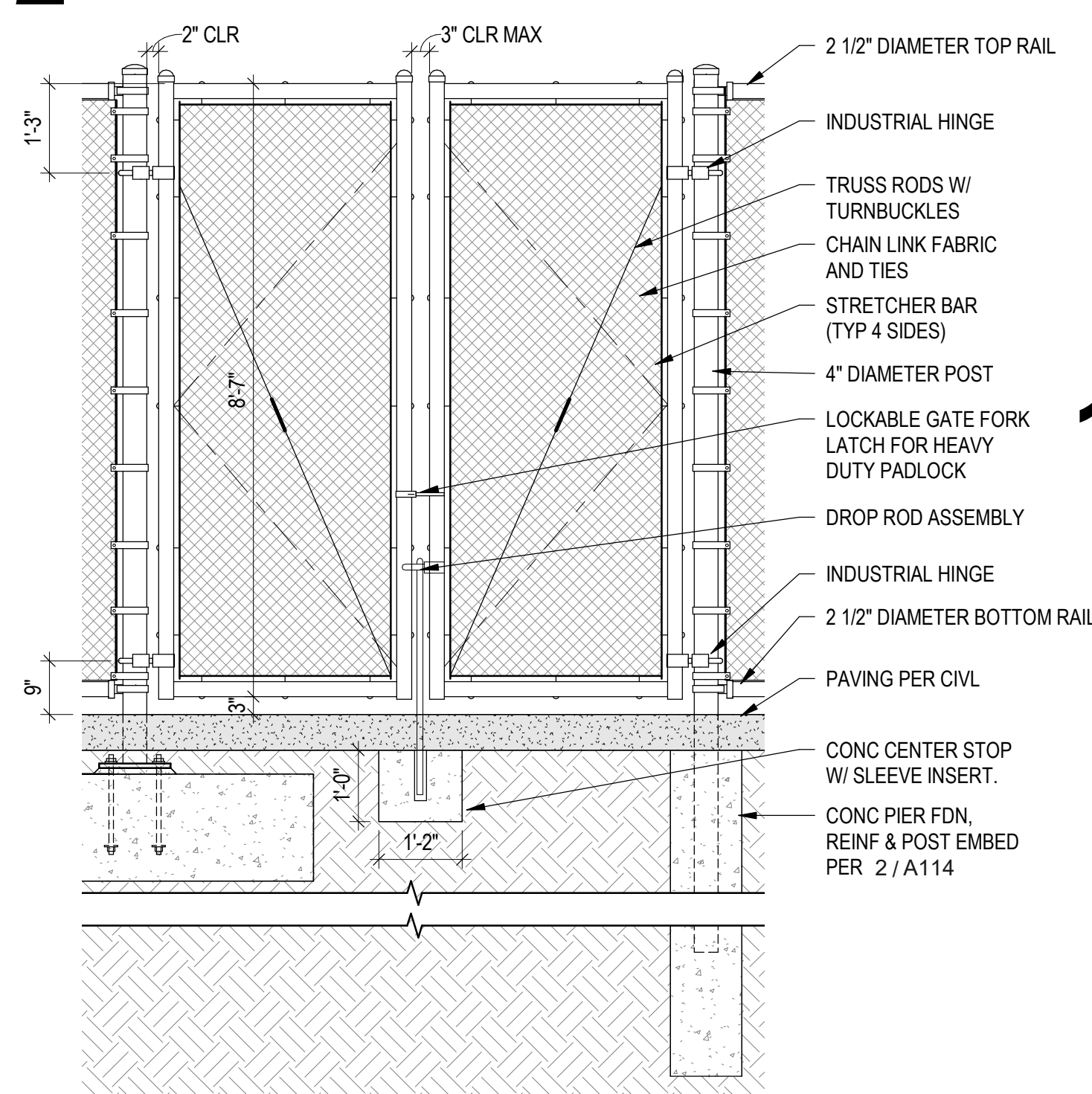


4 DETAIL - SEATING 2
SCALE: 1" = 1'-0"

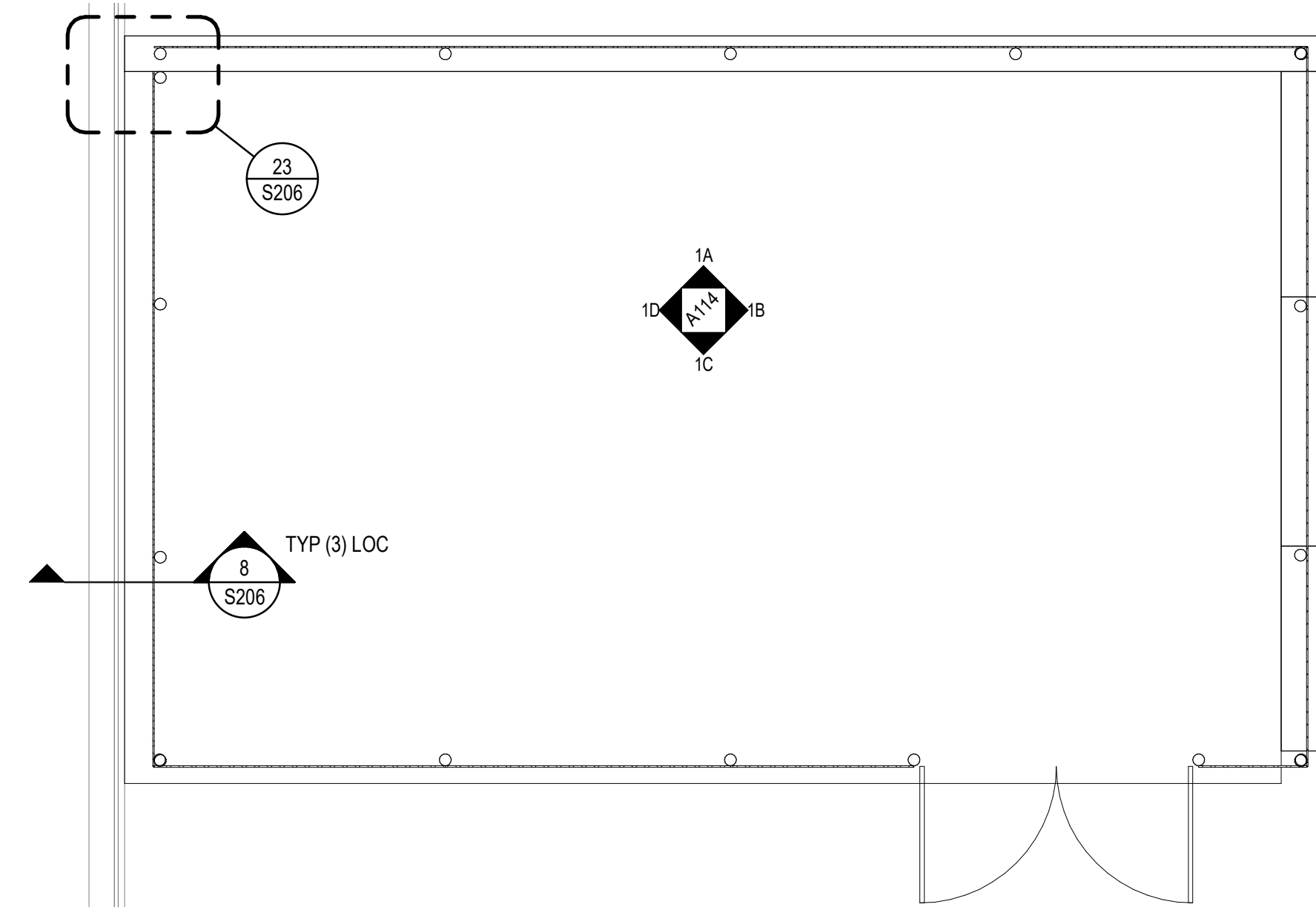




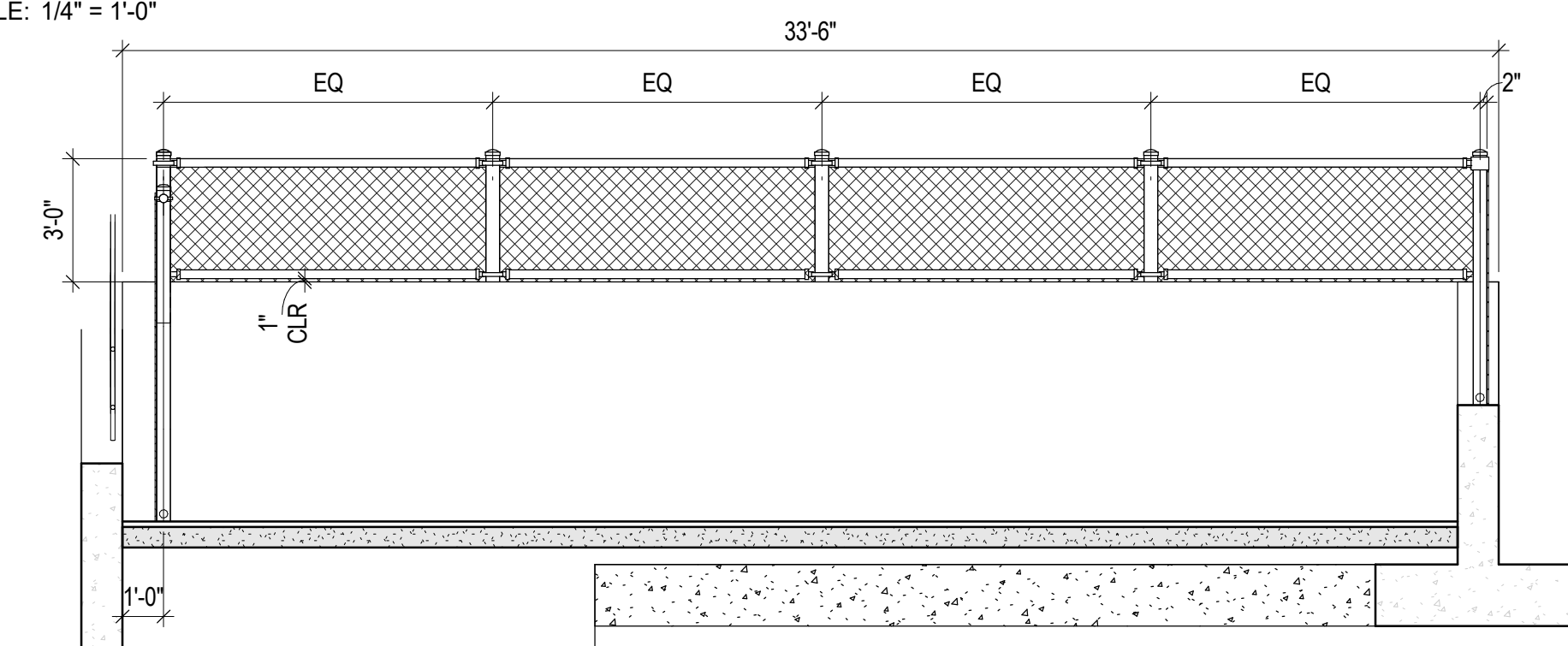
2 CHILLER FENCE POST
SCALE: 1/2" = 1'-0"



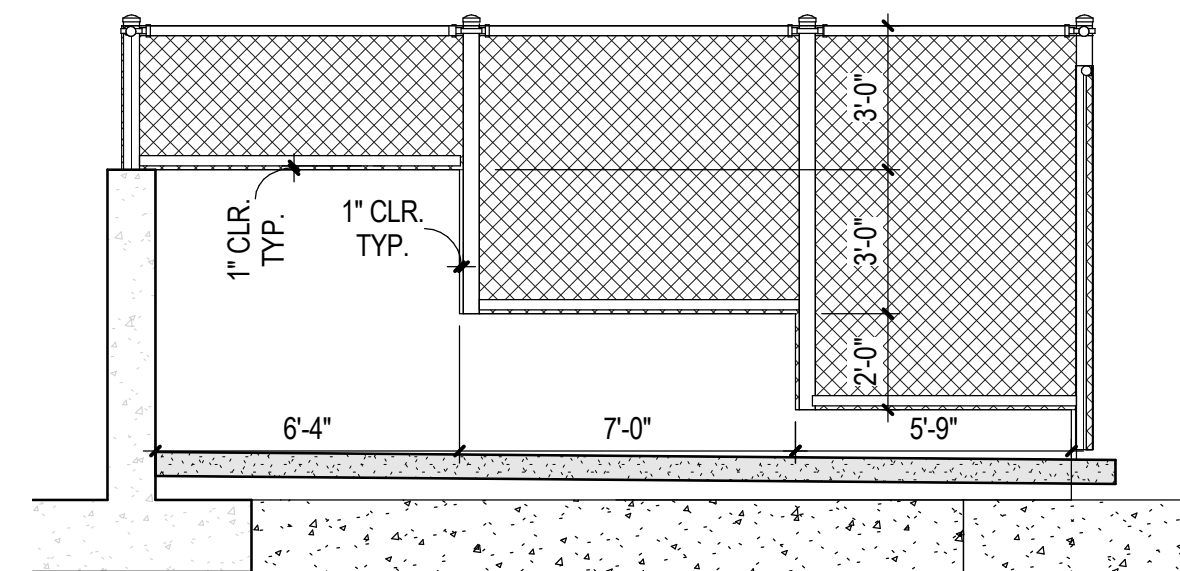
3 CHILLER GATE
SCALE: 1/2" = 1'-0"



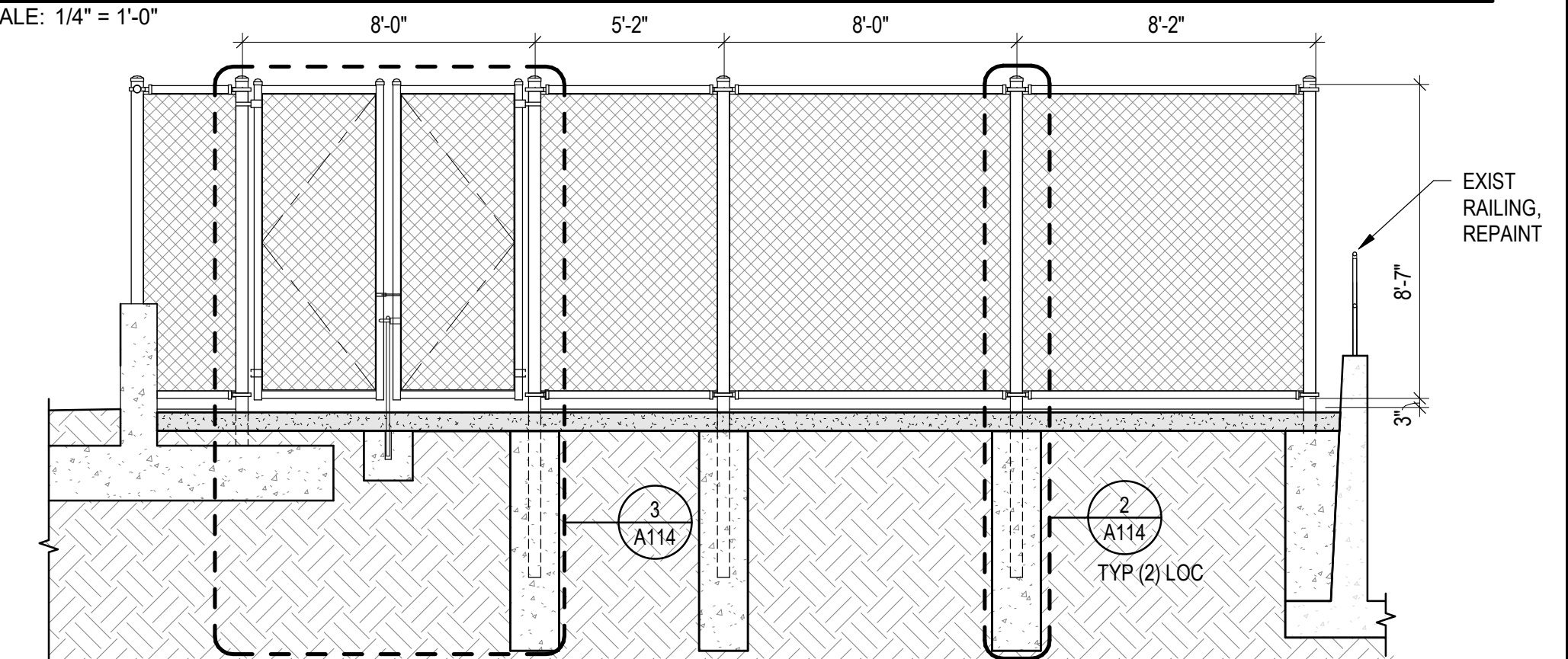
1 SITE PLAN - CHILLER YARD
SCALE: 1/4" = 1'-0"



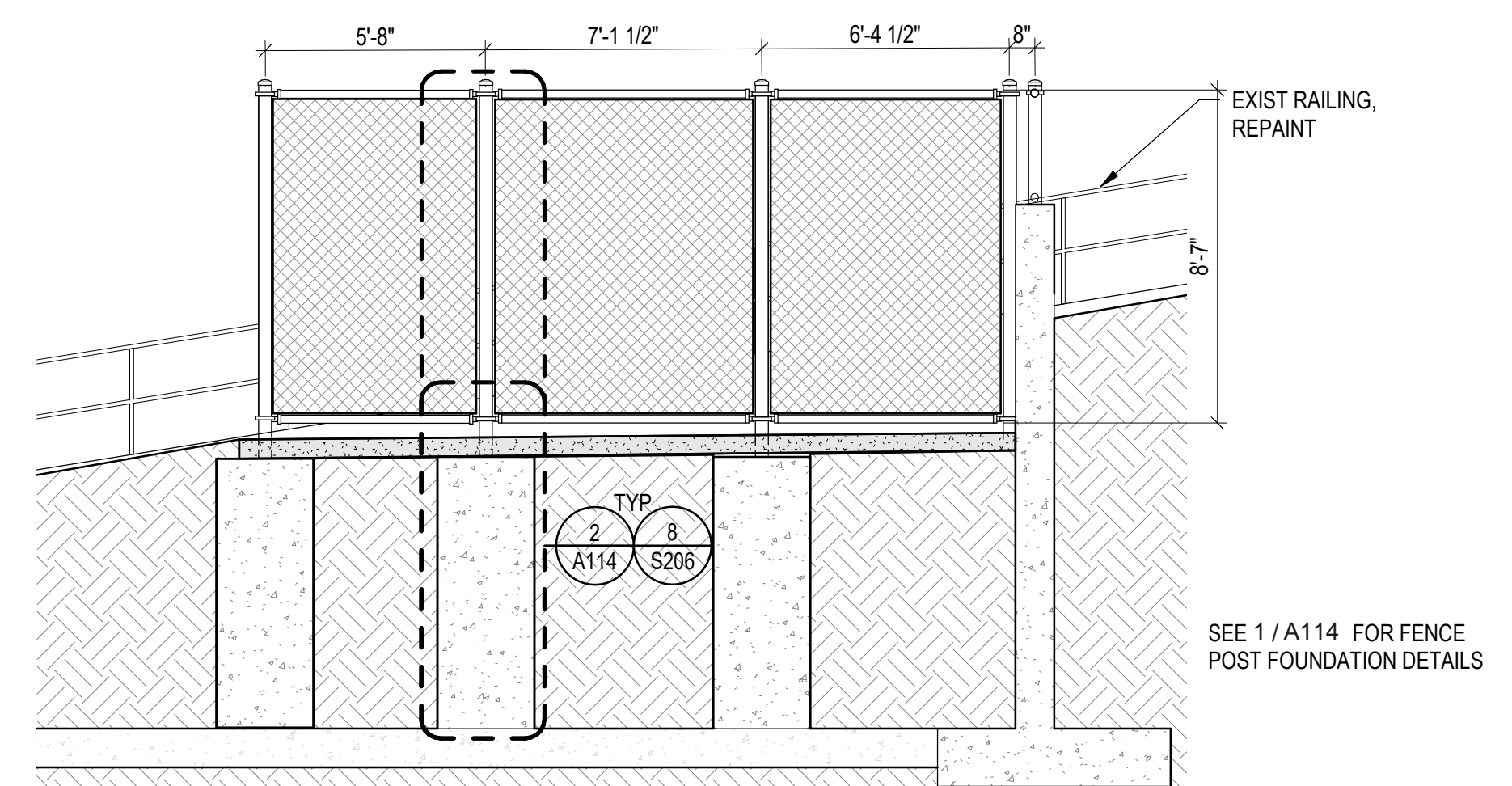
1A FENCING - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



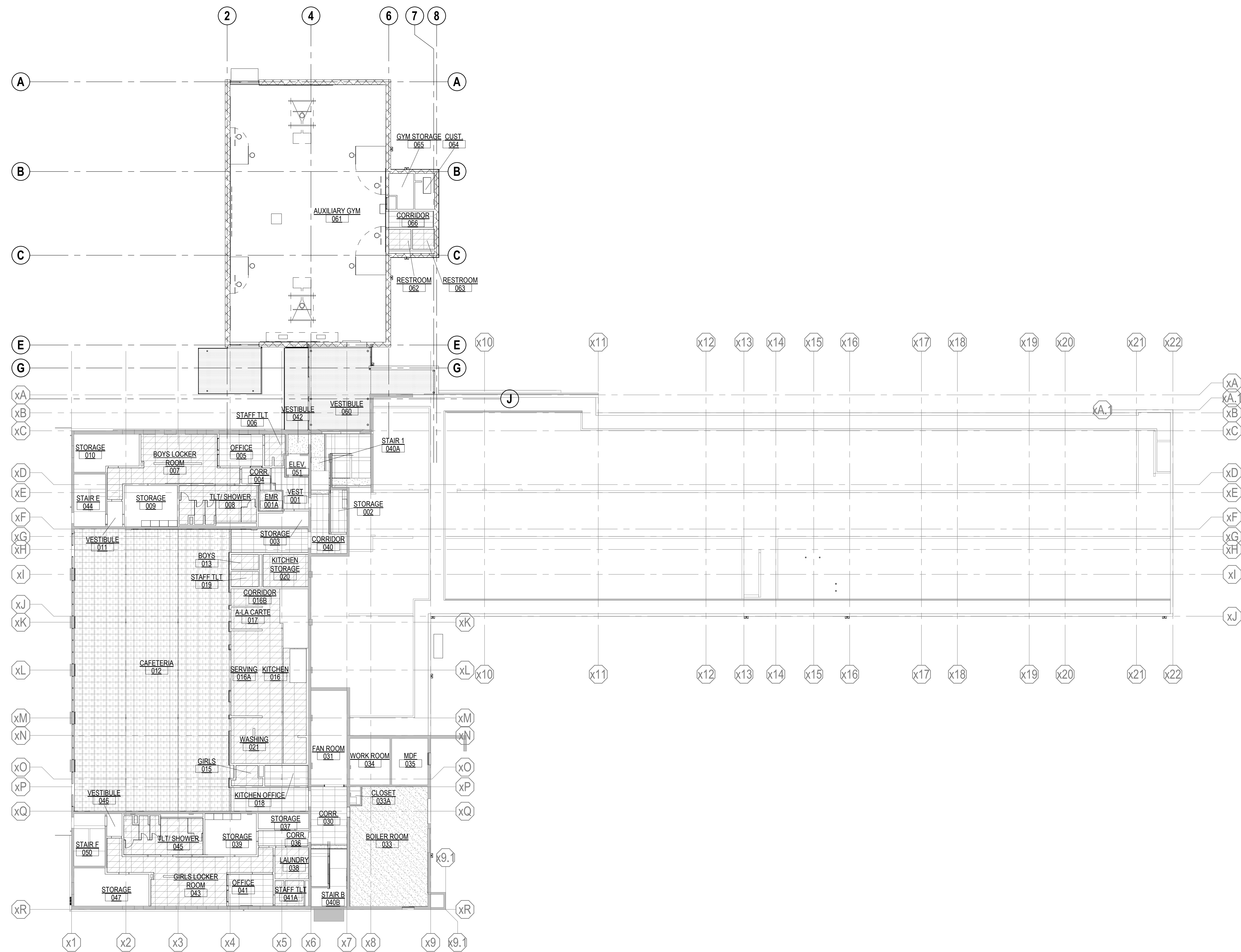
1B FENCING - EAST ELEVATION
SCALE: 1/4" = 1'-0"



1C FENCING - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



1D FENCING - WEST ELEVATION
SCALE: 1/4" = 1'-0"



RCP GENERAL NOTES

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2. LOCATE FIRE SPRINKLER LINES AND HEADS IN OPEN TO STRUCTURE (OTS) SPACES AS INDICATED IN ARCHITECTURAL CEILING PLANS. SYSTEM TO BE DESIGNED/BUILT WITH APPROVAL BY OWNER, ARCHITECT, MECHANICAL AND PLUMBING CONSULTANTS. DESIGN AND CONSTRUCTION TO MEET ALL REQUIRED CODES AND REGULATIONS.
3. FOR ANY FIXTURES NOT DIMENSIONED, COORDINATE WITH ARCHITECT BEFORE INSTALLATION.
4. OBTAIN ARCHITECT'S APPROVAL BEFORE ROUTING ANY EXPOSED CONDUITS, CABLING, PLUMBING, OR OTHER EXPOSED SERVICE LINES.
5. MECHANICAL DUCTWORK AND SPRINKLERS ARE NOT SHOWN IN SPACES WITH EXPOSED STRUCTURE. SEE MECHANICAL DRAWINGS.
6. REFLECTED CEILING PLANS ARE CUT AT 6'-0" LOOKING UPWARD. VERIFY ITEMS ABOVE 6'-0" WITH INTERIOR ELEVATIONS AND BUILDING SECTIONS.
7. IN ALL OPEN TO STRUCTURE (OTS) AREAS, ALL BUILDING ELEMENTS NEW OR EXISTING TO BE PAINTED P-1 UNO, INCLUDING DECK, STRUCTURAL MEMBERS, PCP.
8. GWB CONTROL JOINTS (CJ) ARE TO BE ALIGNED WITH WALL JOINTS, AND AS SHOWN ON RCP'S.
9. ALL CEILINGS ARE 9' ABOVE FINISHED FLOOR, UNO

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

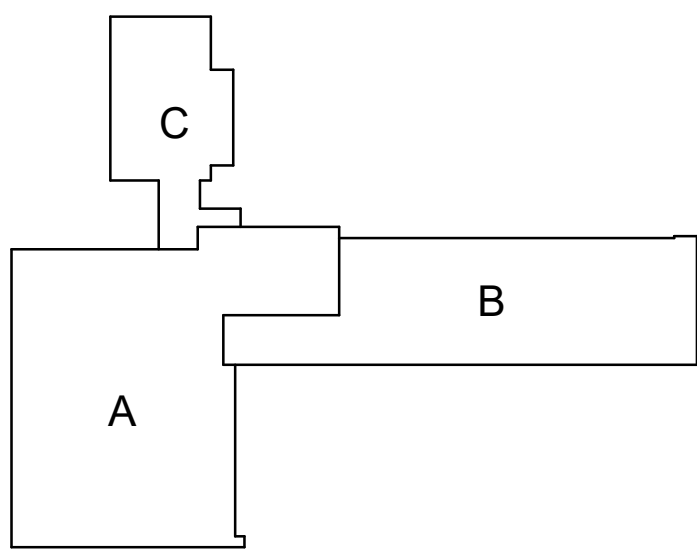
Date: 05/28/2021
Job No.: 21938.00
Drawn By: EP
Checked by: MT

Revisions	
#	Description

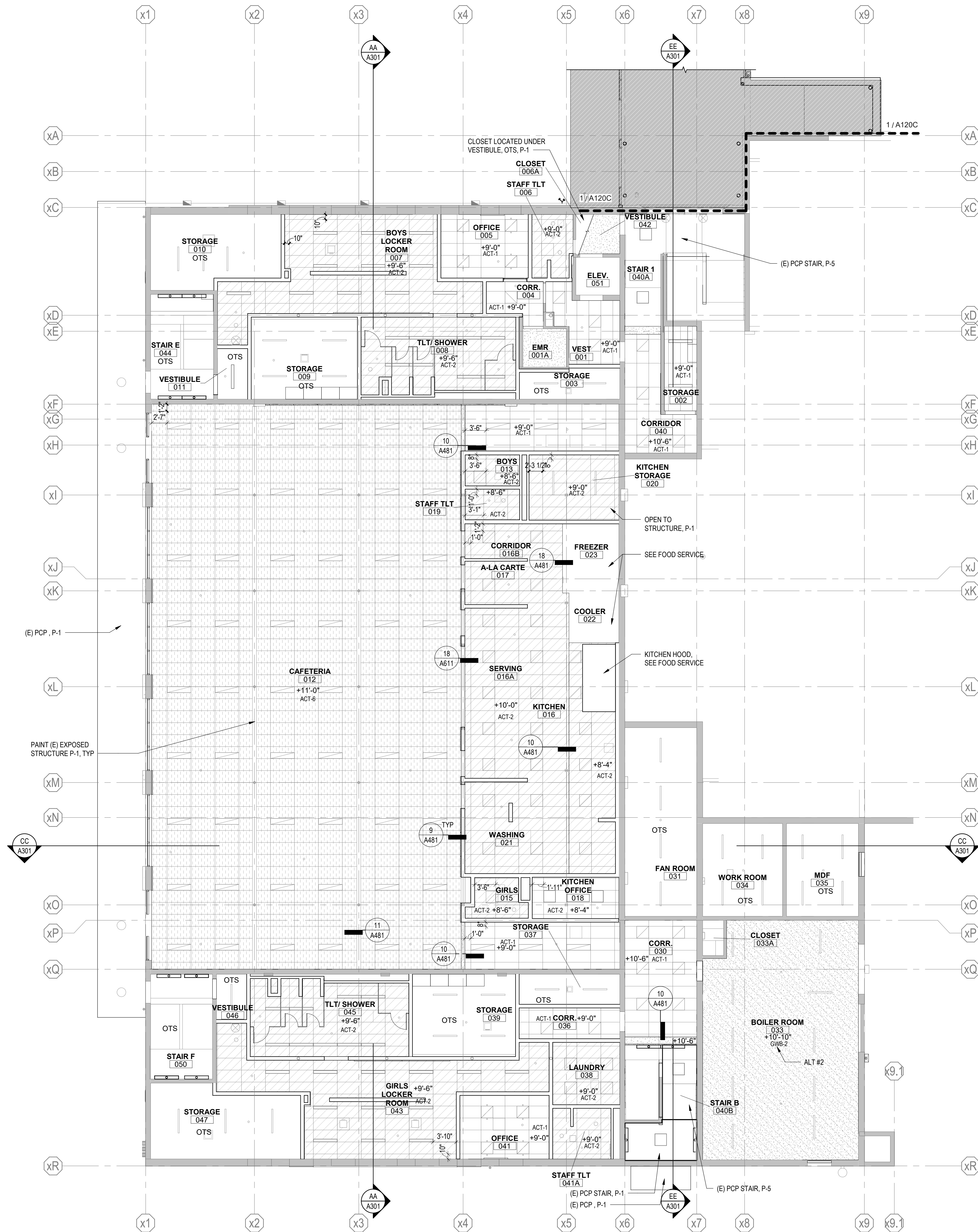
LEVEL 0 -
OVERALL RCP

A120

LEVEL 0 - RCP OVERALL
SCALE: 1/16" = 1'-0"



BID SET



RCP GENERAL NOTES

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RCP LEGEND

	LIGHT GAUGE METAL FRAMED CEILING, 5/8" GWB, P-1, UNO (GWB-1)
	WIRE HUNG ACOUSTICAL CEILING ASSEMBLY, 2-LAYERS GWB, W/ 8" ACOUSTIC BATT (GWB-2) ADD ALT
	SUSPENDED PAINTED MDF PANEL, P-5 (MDF-1)
	SUSPENDED PAINTED MDF PANEL, P-6 (MDF-2)
	PAINT ON EXISTING SHIPLAP SHEATHING, P-1
	ACOUSTICAL SUSPENDED TILES (ACT-1)
	ACOUSTICAL SUSPENDED TILES (ACT-2)
	ACOUSTICAL SUSPENDED TILES (ACT-3)
	MECHANICALLY FASTENED ACOUSTICAL CEILING TILES (ACT-4)
	ACOUSTICAL SUSPENDED CLOUD (ACT-5)
	ACOUSTICAL SUSPENDED CLOUD (ACT-6)
	ACOUSTICAL SUSPENDED TILES (ACT-7)
	LINEAR METAL CEILING PANEL ASSEMBLY (MC-1)

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

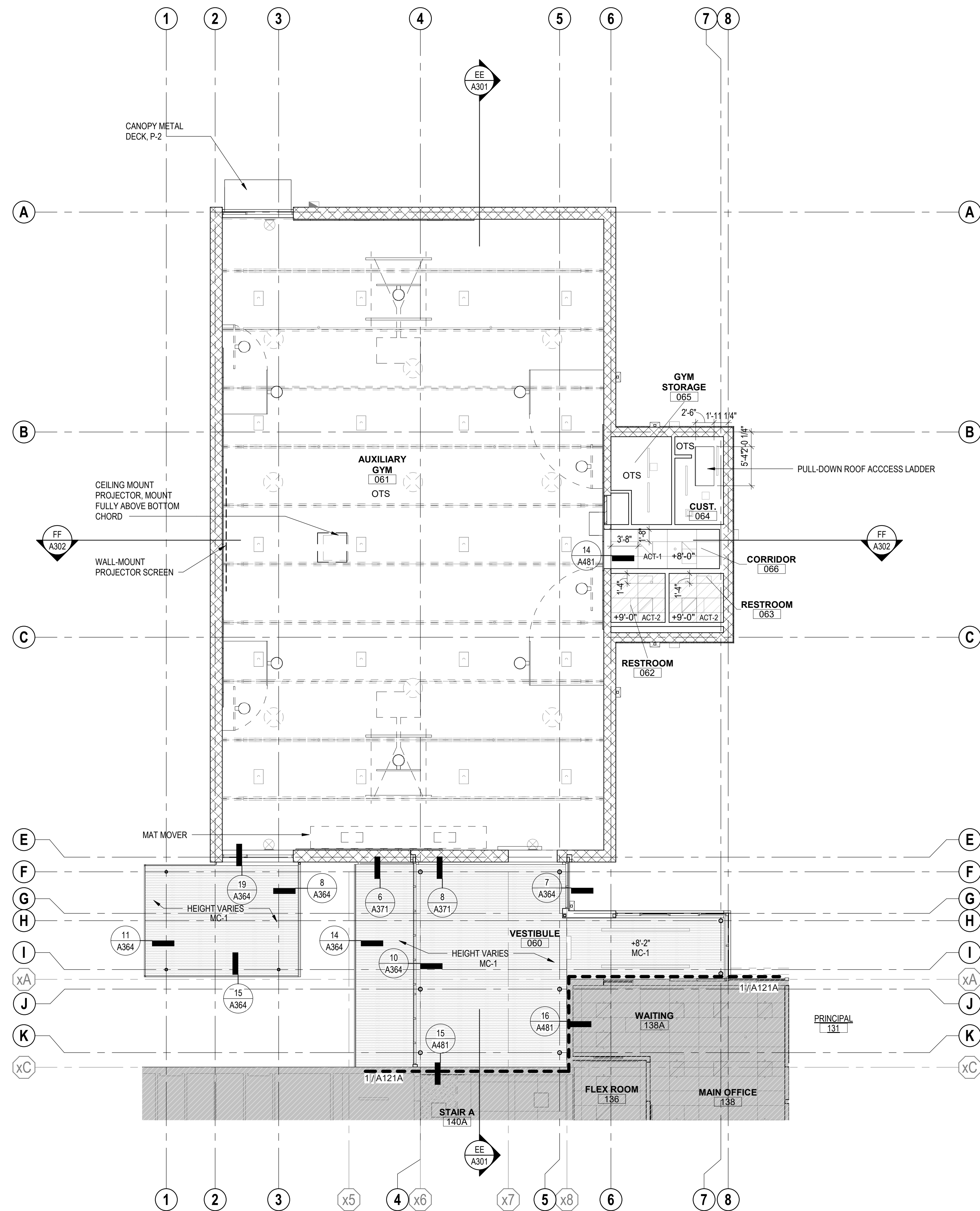
Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	EP	
Checked by:	MT	
Revisions		
#	Date	Description

LEVEL 0
BUILDING 1
AREA A - RCP

A120A



LEVEL 0 BUILDING 1 AREA A- RCP
SCALE: 1/8" = 1'-0"



RCP GENERAL NOTES

1. ALL LIGHTING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION ITEMS SHOWN ARE FOR COORDINATION REFERENCE ONLY. NOT ALL ITEMS ARE SHOWN IN ARCHITECTURAL RCPs. REFER TO ALL CONSTRUCTION DOCUMENTS FOR COMPLETE SCOPE OF WORK.
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8. GWB CONTROL JOINTS (CJ) ARE TO BE ALIGNED WITH WALL JOINTS, AND AS SHOWN ON RCPs.
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RCP LEGEND

	LIGHT GAUGE METAL FRAMED CEILING, 5/8" GWB, P-1, UNO (GWB-1)
	WIRE HUNG ACOUSTICAL CEILING ASSEMBLY, 2-LAYERS GWB, W/ 8" ACOUSTIC BATT (GWB-2) ADD ALT
	SUSPENDED PAINTED MDF PANEL, P-5 (MDF-1)
	SUSPENDED PAINTED MDF PANEL, P-6 (MDF-2)
	PAINT ON EXISTING SHIPLAP SHEATHING, P-1
	ACOUSTICAL SUSPENDED TILES (ACT-1)
	ACOUSTICAL SUSPENDED TILES (ACT-2)
	ACOUSTICAL SUSPENDED TILES (ACT-3)
	MECHANICALLY FASTENED ACOUSTICAL CEILING TILES (ACT-4)
	ACOUSTICAL SUSPENDED CLOUD (ACT-5)
	ACOUSTICAL SUSPENDED CLOUD (ACT-6)
	ACOUSTICAL SUSPENDED TILES (ACT-7)
	LINEAR METAL CEILING PANEL ASSEMBLY (MC-1)

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date: 05/28/2021
Job No.: 21938.00
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Revisions	
#	Description

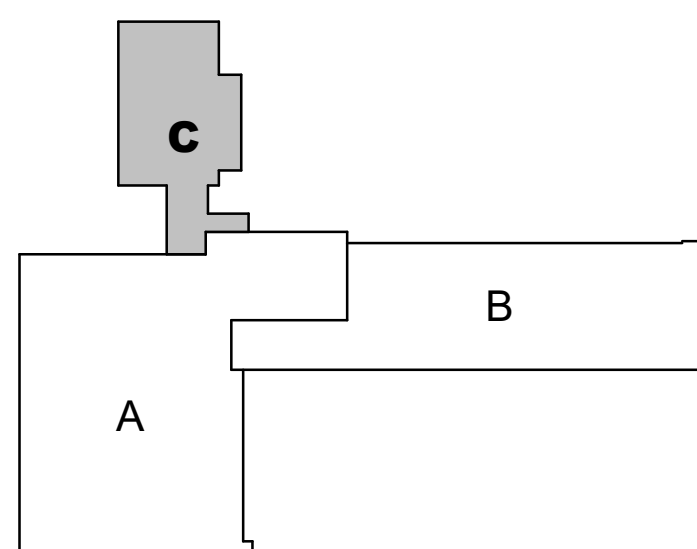
LEVEL 0
BUILDING 1
AREA C - RCP

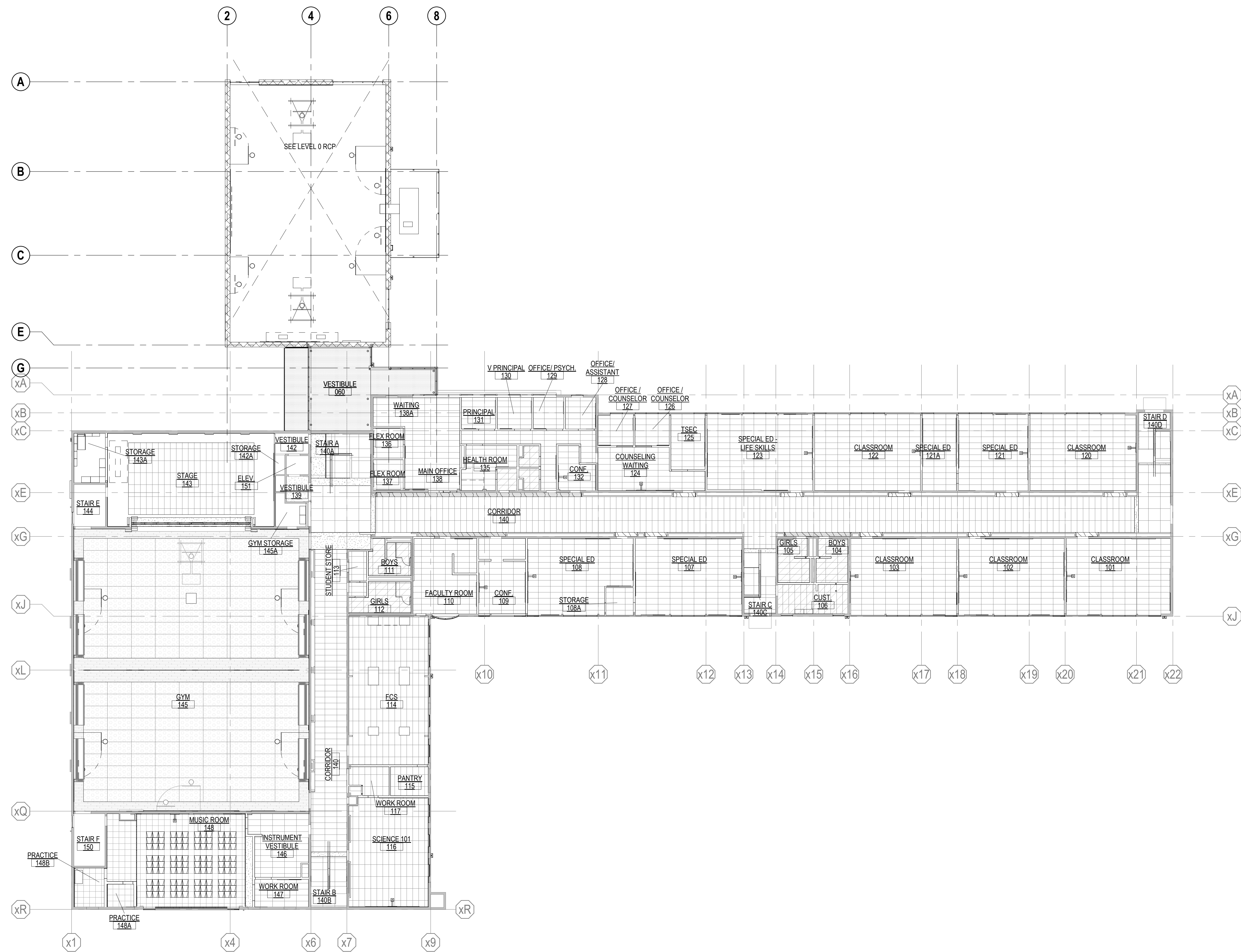
A120C



LEVEL 0 - BUILDING 1 AREA C ADDITION RCP

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





LEVEL 1 BUILDING 1 - RCP OVERALL

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

RCP GENERAL NOTES

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KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

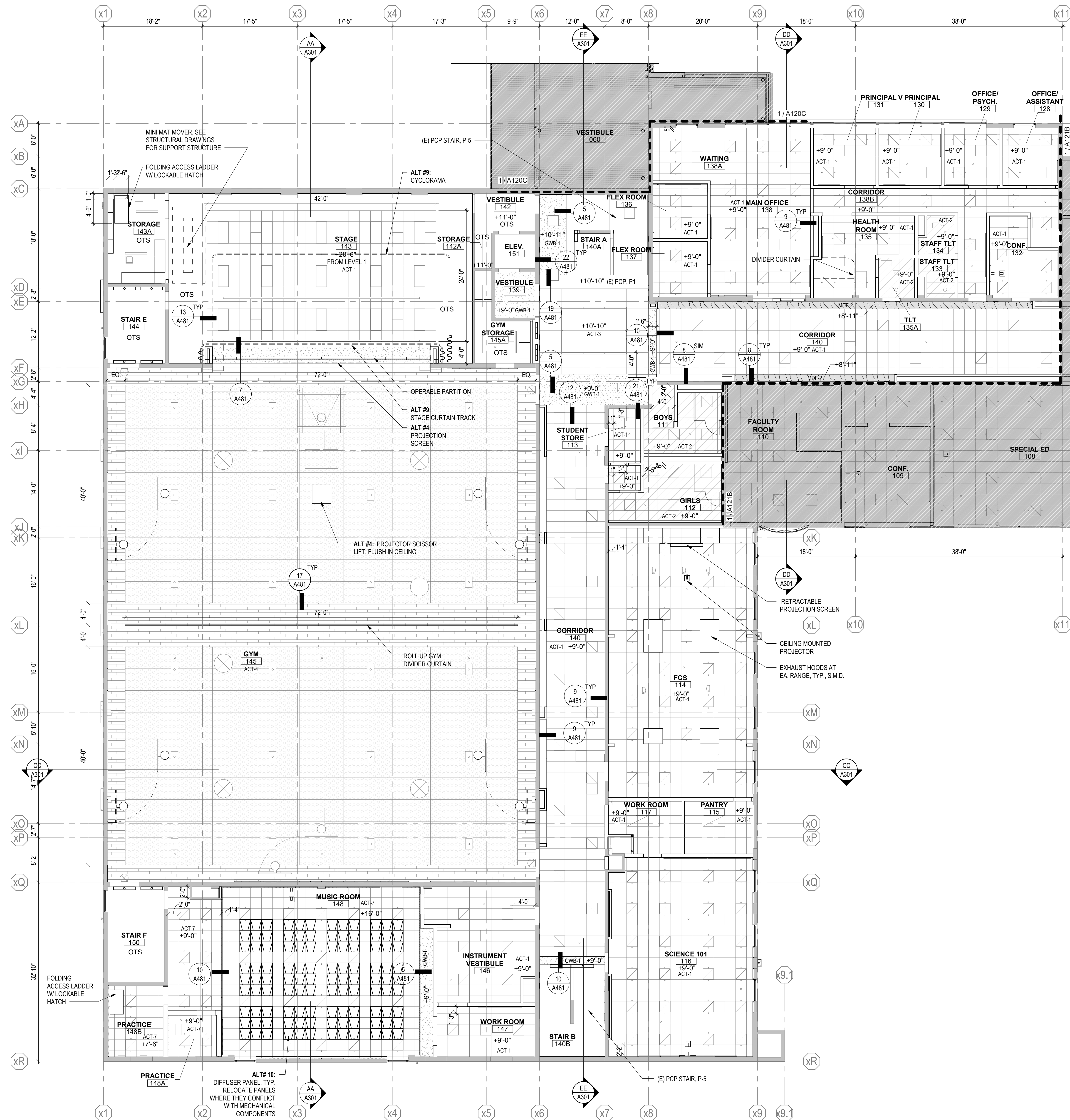
500 REDPATH ST, KELSO, WA 98626

Date: 05/28/2021
Job No.: 21938.00
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Revisions		
#	Date	Description

LEVEL 1 -
OVERALL RCP

A121



RCP GENERAL NOTES

1. ALL LIGHTING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION ITEMS SHOWN ARE FOR COORDINATION REFERENCE ONLY. NOT ALL ITEMS ARE SHOWN IN ARCHITECTURAL RCP'S. REFER TO ALL CONSTRUCTION DOCUMENTS FOR COMPLETE SCOPE OF WORK.
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RCP LEGEND

- | | |
|-----------|------------------------------------------------------------------------------------------|
| [Pattern] | LIGHT GAUGE METAL FRAMED CEILING, 5/8" GWB, P-1, UNO (GWB-1) |
| [Pattern] | WIRE HUNG ACOUSTICAL CEILING ASSEMBLY, 2-LAYERS GWB, W/ 8" ACOUSTIC BATT (GWB-2) ADD ALT |
| [Pattern] | SUSPENDED PAINTED MDF PANEL, P-5 (MDF-1) |
| [Pattern] | SUSPENDED PAINTED MDF PANEL, P-6 (MDF-2) |
| [Pattern] | PAINT ON EXISTING SHIPLAP SHEATHING, P-1 |
| [Pattern] | ACOUSTICAL SUSPENDED TILES (ACT-1) |
| [Pattern] | ACOUSTICAL SUSPENDED TILES (ACT-2) |
| [Pattern] | ACOUSTICAL SUSPENDED TILES (ACT-3) |
| [Pattern] | MECHANICALLY FASTENED ACOUSTICAL CEILING TILES (ACT-4) |
| [Pattern] | ACOUSTICAL SUSPENDED CLOUD (ACT-5) |
| [Pattern] | ACOUSTICAL SUSPENDED CLOUD (ACT-6) |
| [Pattern] | ACOUSTICAL SUSPENDED TILES (ACT-7) |
| [Pattern] | LINEAR METAL CEILING PANEL ASSEMBLY (MC-1) |

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

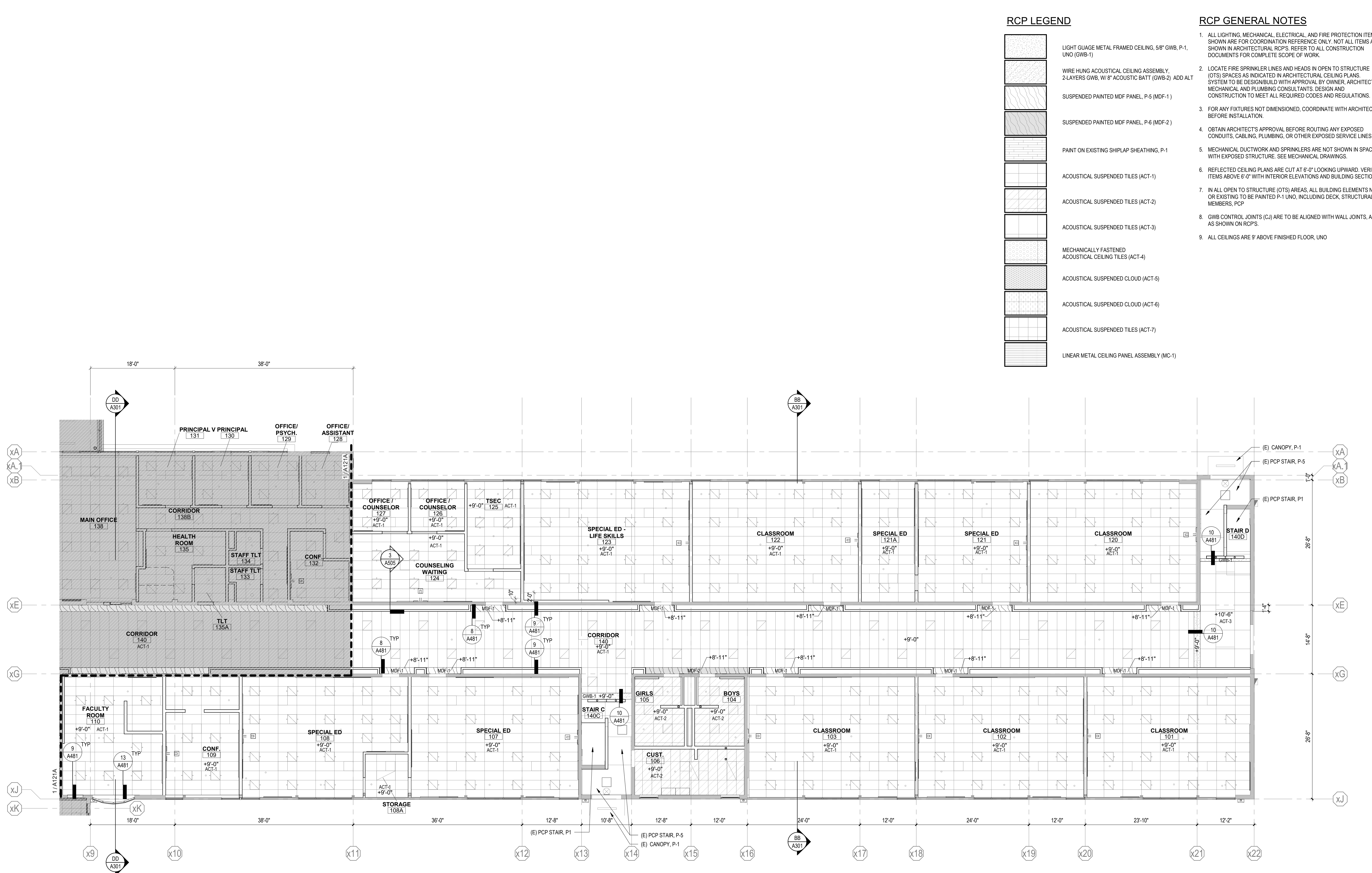
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

LEVEL 1 AREA A
- RCP

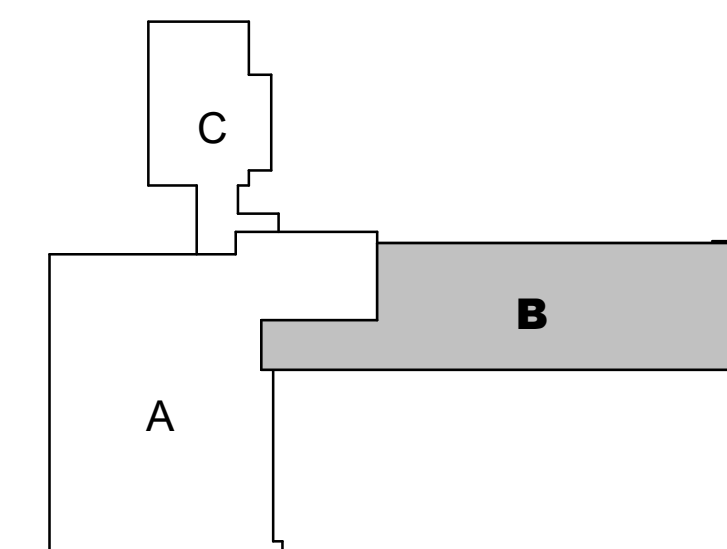
A121A



LEVEL 1 BUILDING 1 AREA A - RCP
SCALE: 1/8" = 1'-0"



LEVEL 1 BUILDING 1 AREA B - RCP
SCALE: 1/8" = 1'-0"

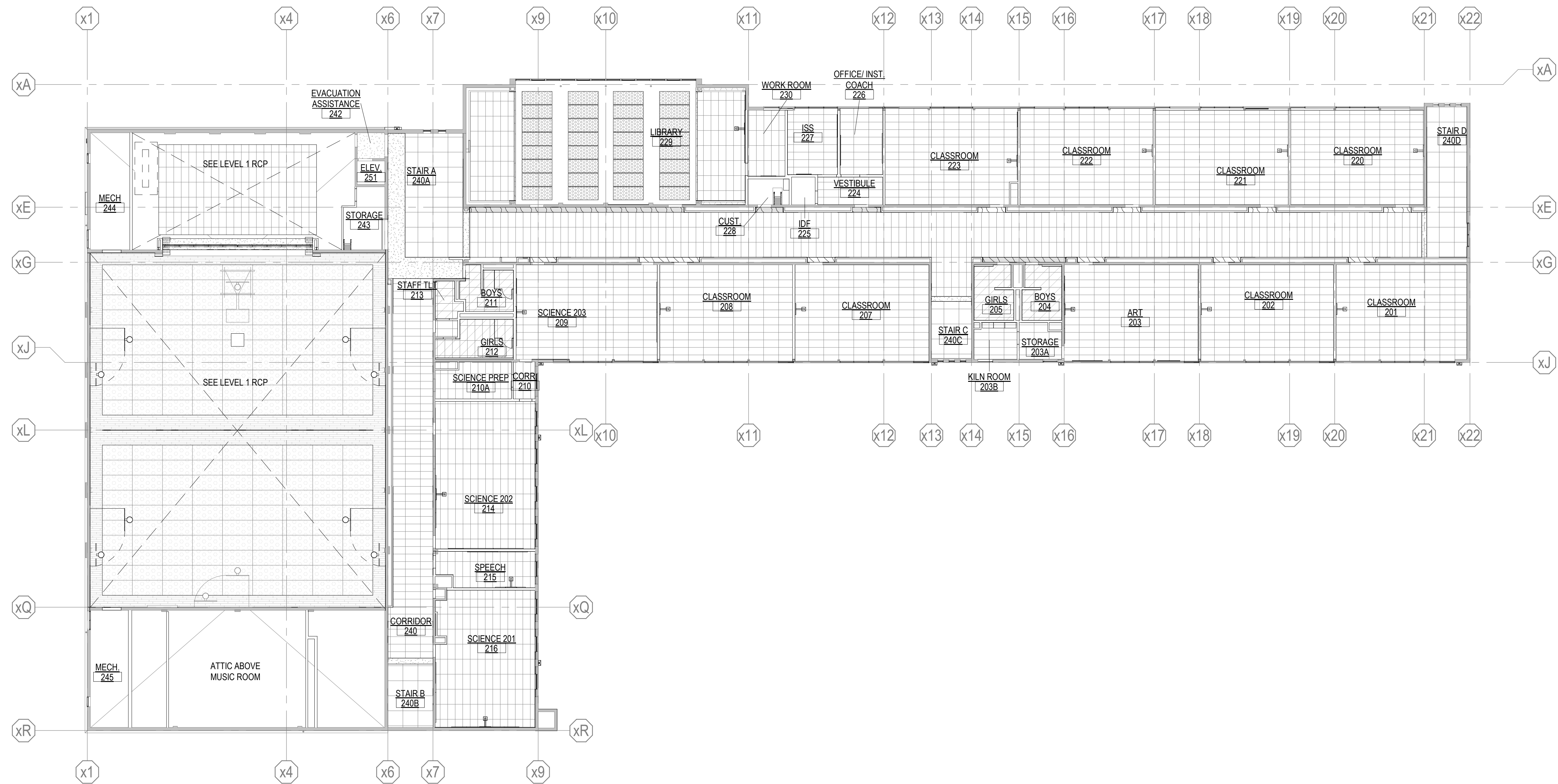


KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

LEVEL 1 AREA B
- RCP

A121B



LEVEL 2 BUILDING 1- RCP OVERALL
SCALE: 1/16" = 1'-0"

RCP GENERAL NOTES

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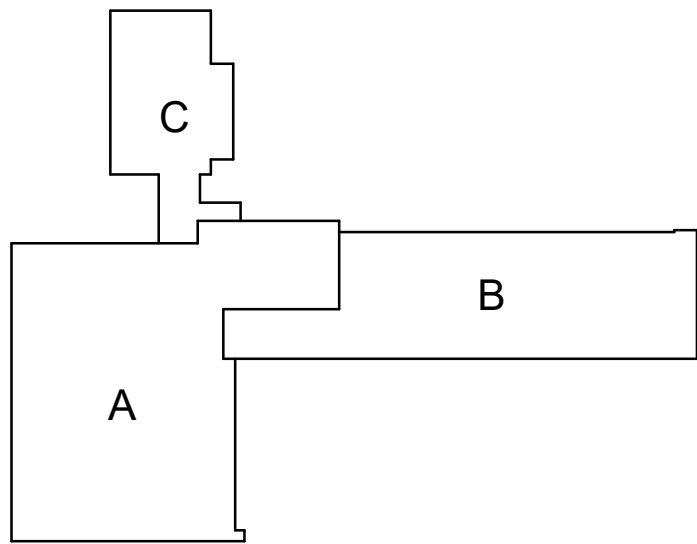
**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

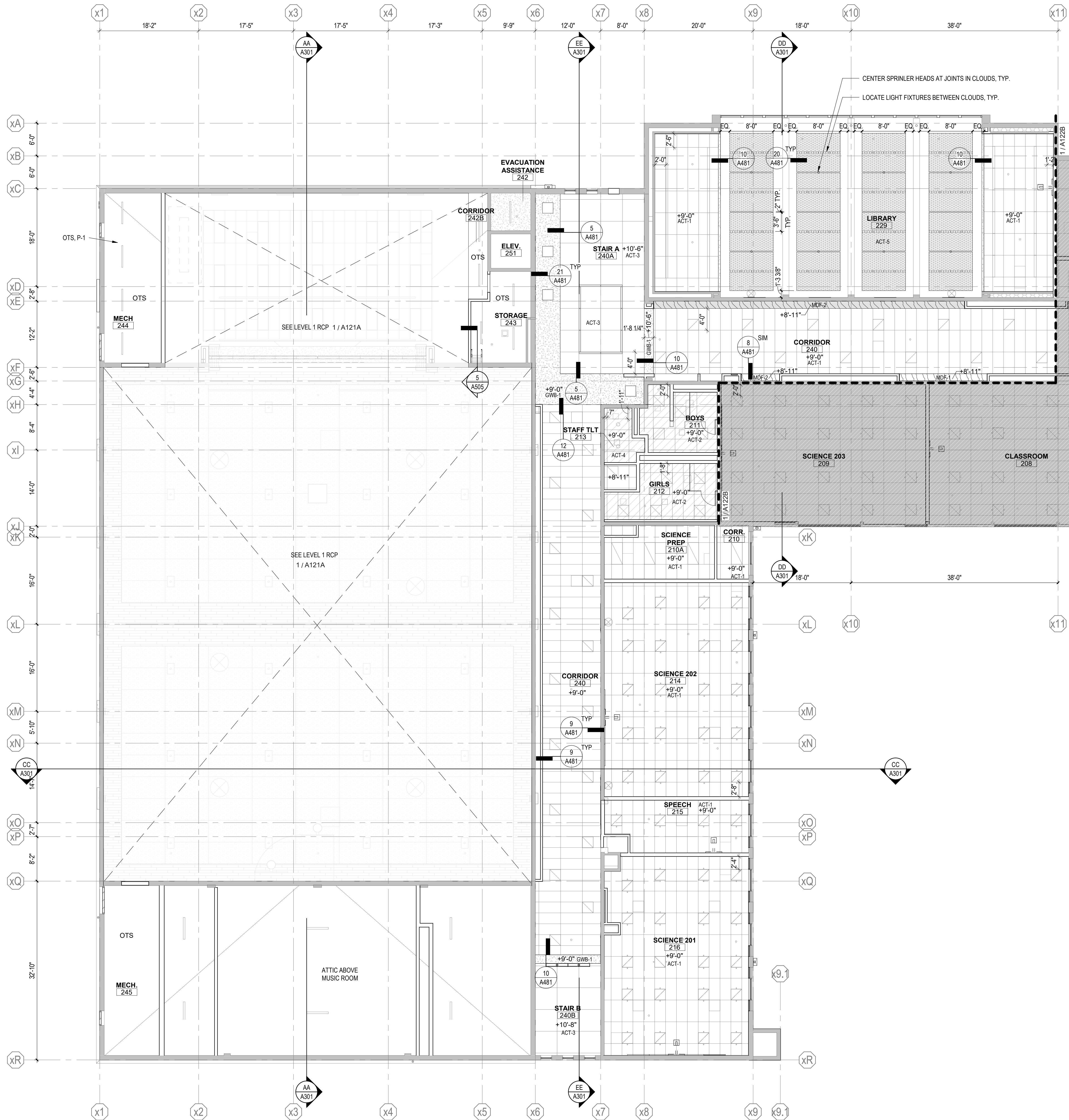
Date:	05/28/2021
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Revisions		
#	Date	Description

LEVEL 2 -
OVERALL RCP

A122





RCP GENERAL NOTES

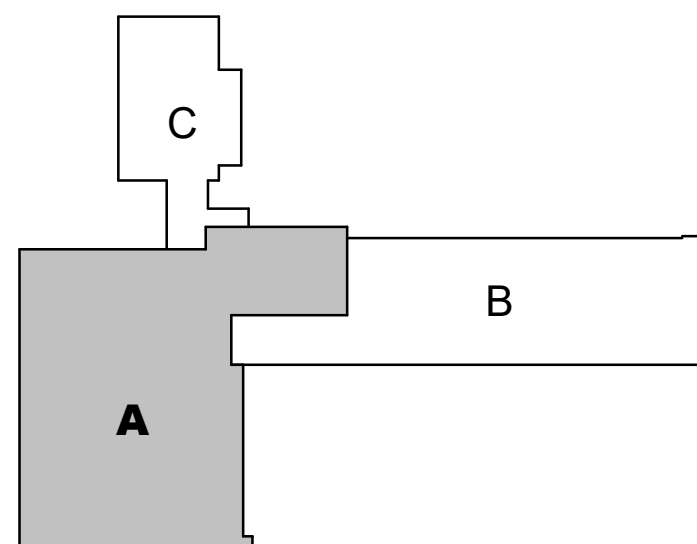
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RCP LEGEND

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	WIRE HUNG ACOUSTICAL CEILING ASSEMBLY, 2-LAYERS GWB, W/ 8" ACOUSTIC BATT (GWB-2) ADD ALT
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	ACOUSTICAL SUSPENDED TILES (ACT-2)
	ACOUSTICAL SUSPENDED TILES (ACT-3)
	MECHANICALLY FASTENED ACOUSTICAL CEILING TILES (ACT-4)
	ACOUSTICAL SUSPENDED CLOUD (ACT-5)
	ACOUSTICAL SUSPENDED CLOUD (ACT-6)
	ACOUSTICAL SUSPENDED TILES (ACT-7)
	LINEAR METAL CEILING PANEL ASSEMBLY (MC-1)



LEVEL 2 BUILDING 1 AREA A- RCP
SCALE: 1/8" = 1'-0"



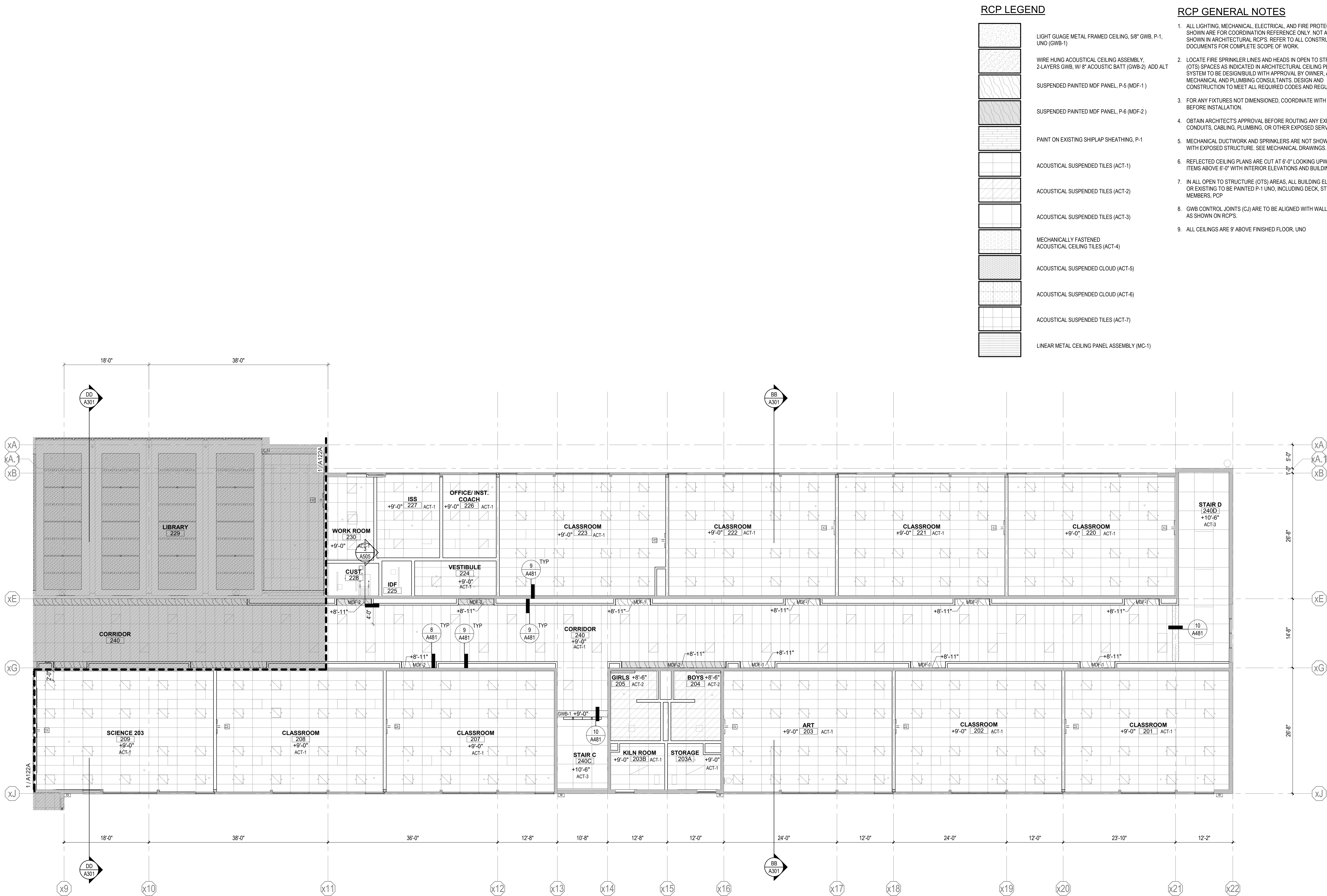
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

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Date:	05/28/2021
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Drawn By:	EP
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Revisions	
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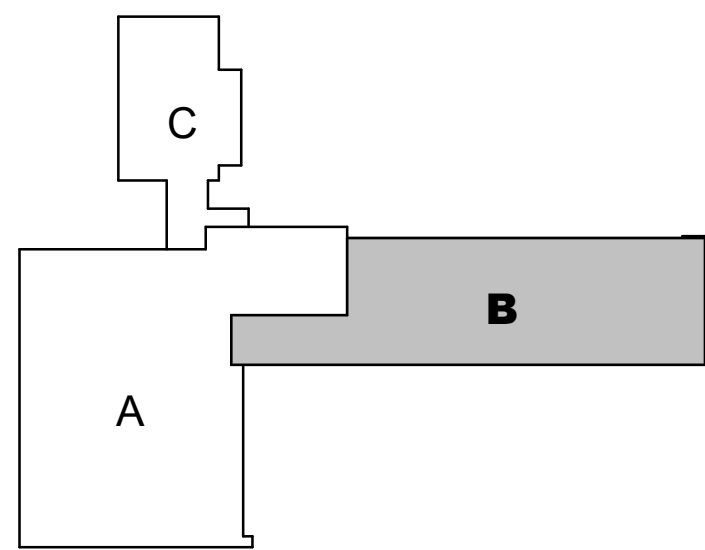
LEVEL 2 AREA A
- RCP

A122A



LEVEL 2 BUILDING1 AREA B- RCP

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



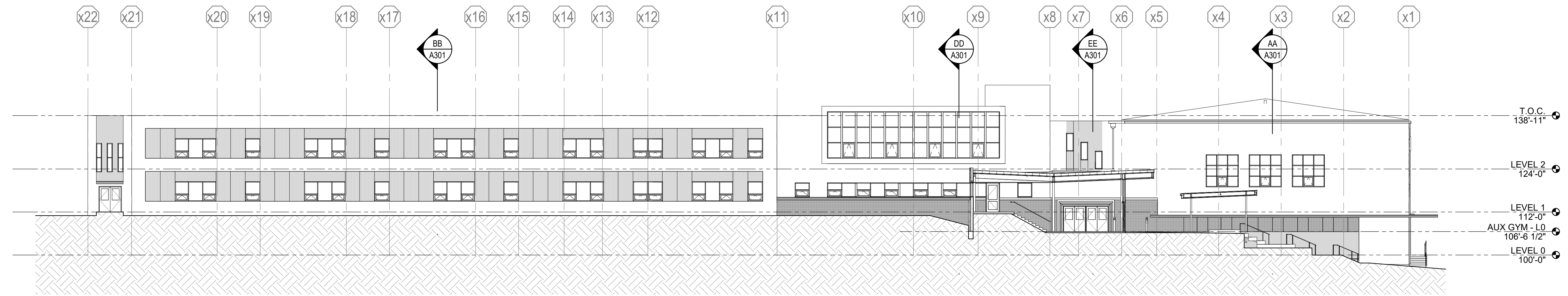
**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

500 REDPATH ST, KELSO, WA 98626

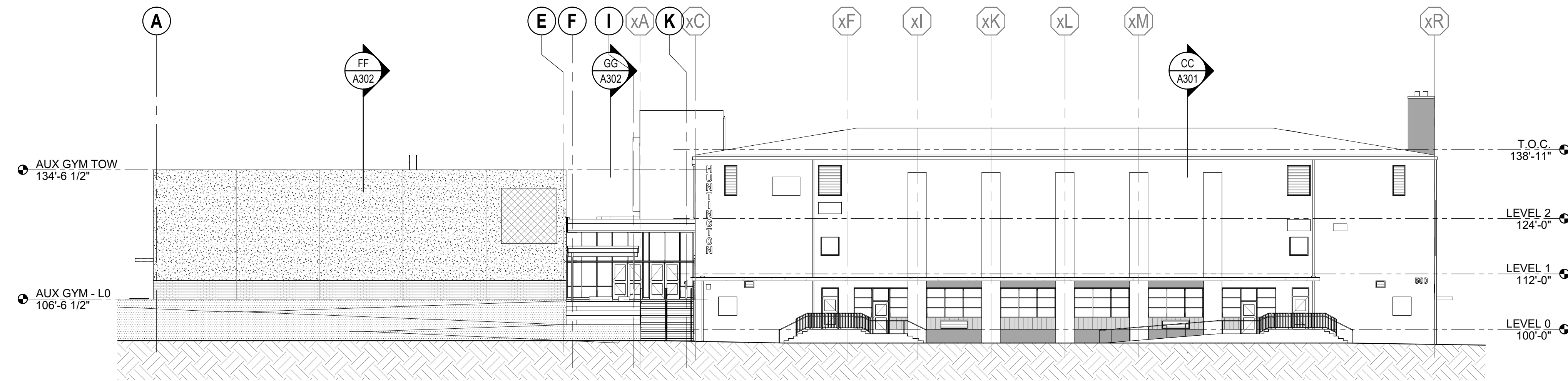
Date:	05/28/2021
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Revisions	
#	Date Description

LEVEL 2 AREA B
- RCP

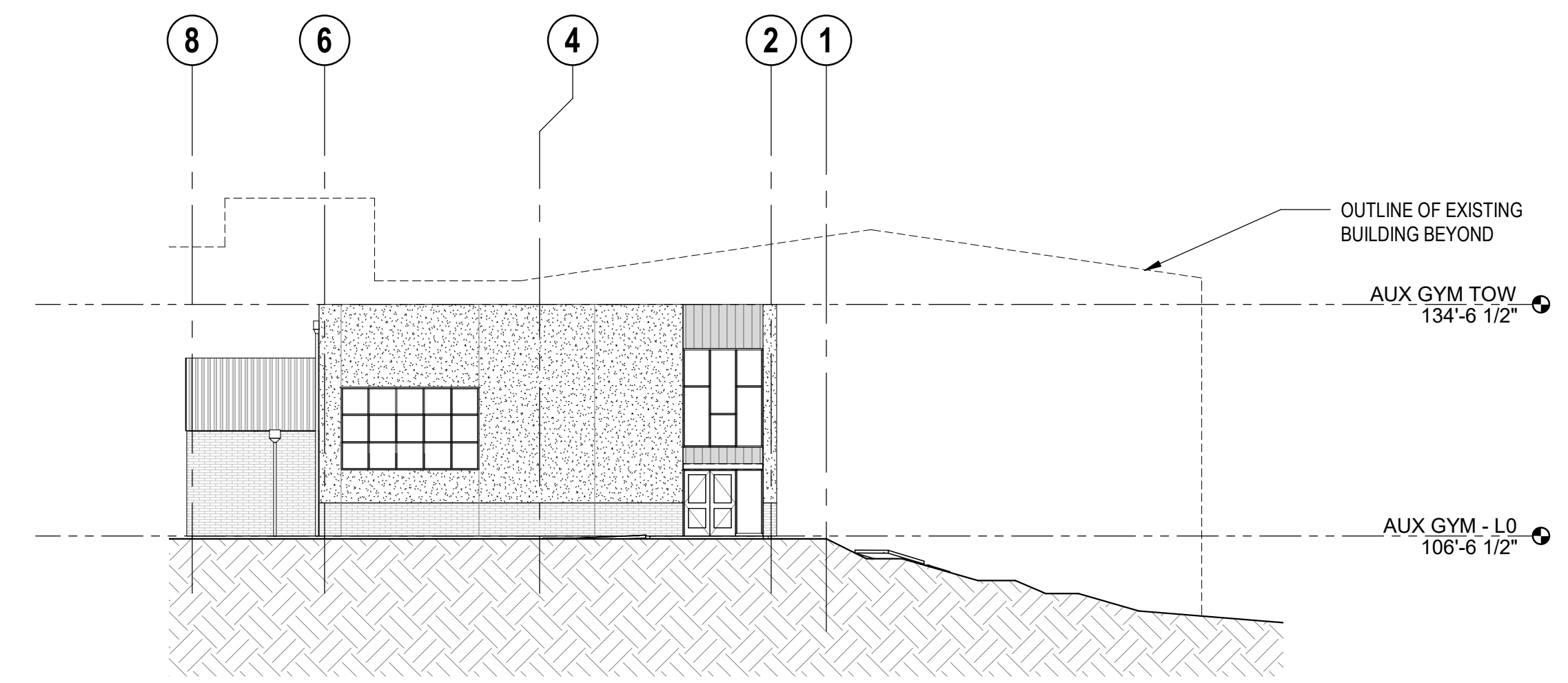
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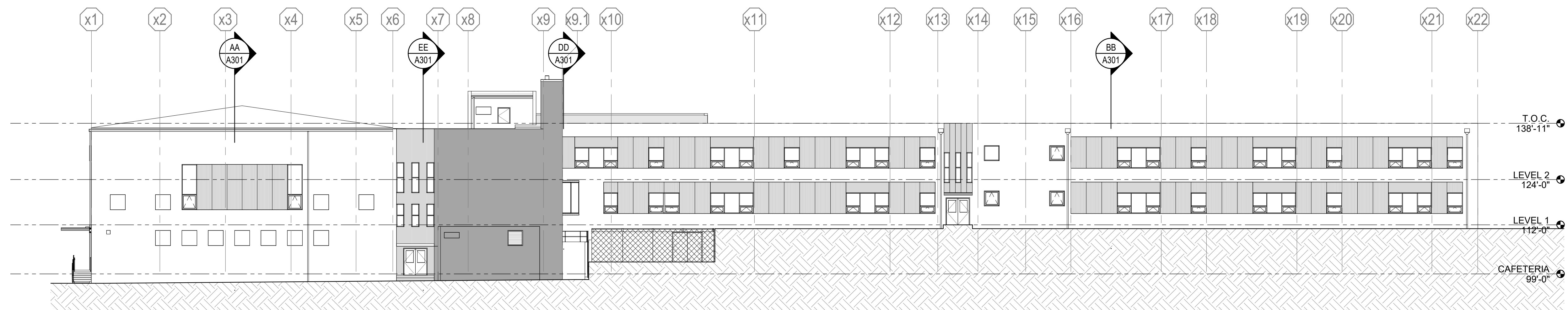
1 NORTH ELEVATION - OVERALL
SCALE: 1/16" = 1'-0"



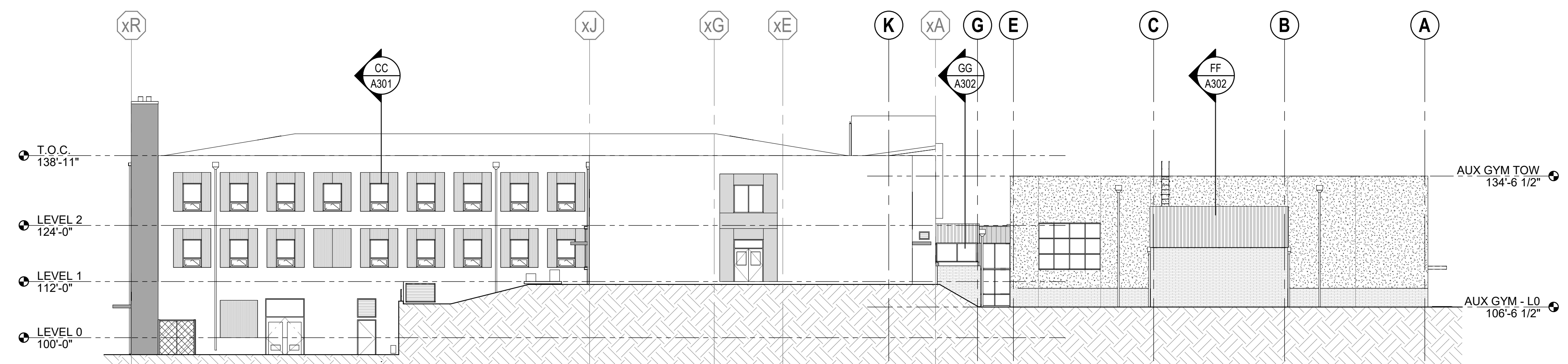
3 WEST ELEVATION - OVERALL
SCALE: 1/16" = 1'-0"



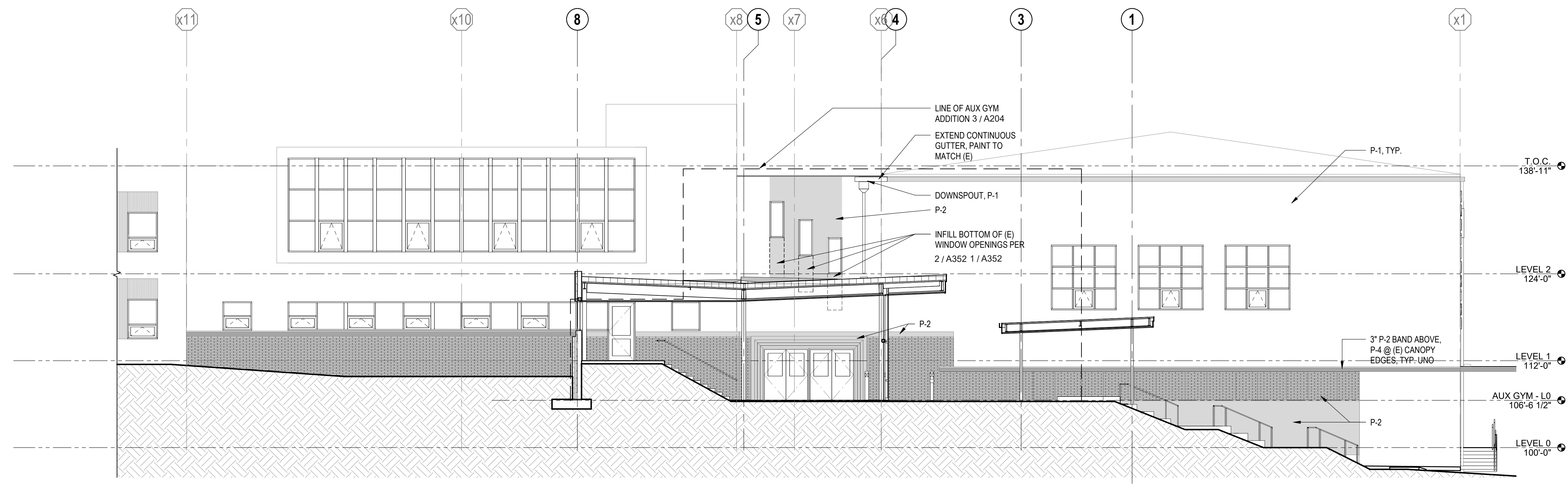
2 NORTH ELEVATION - AUX GYM ADDITION
SCALE: 1/16" = 1'-0"



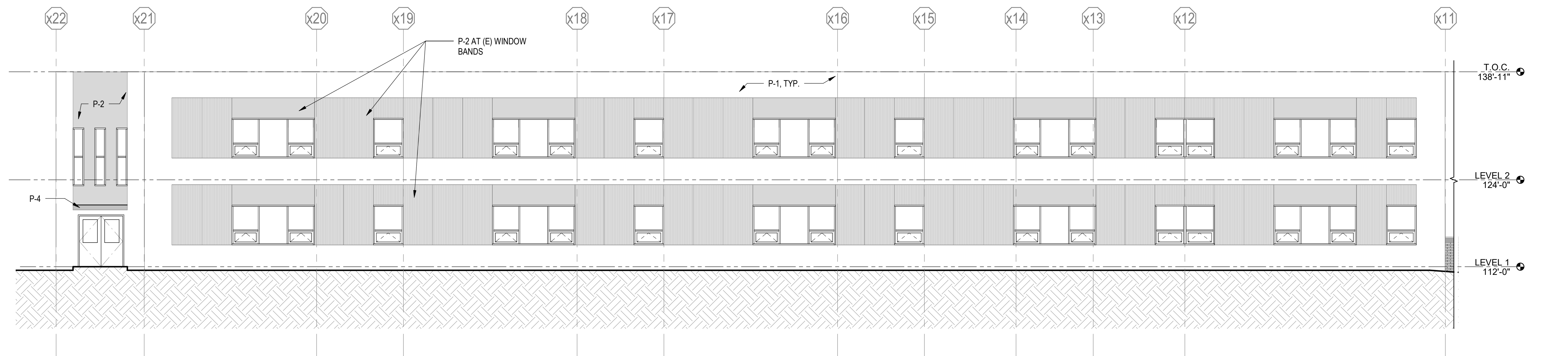
4 SOUTH ELEVATION - OVERALL
SCALE: 1/16" = 1'-0"



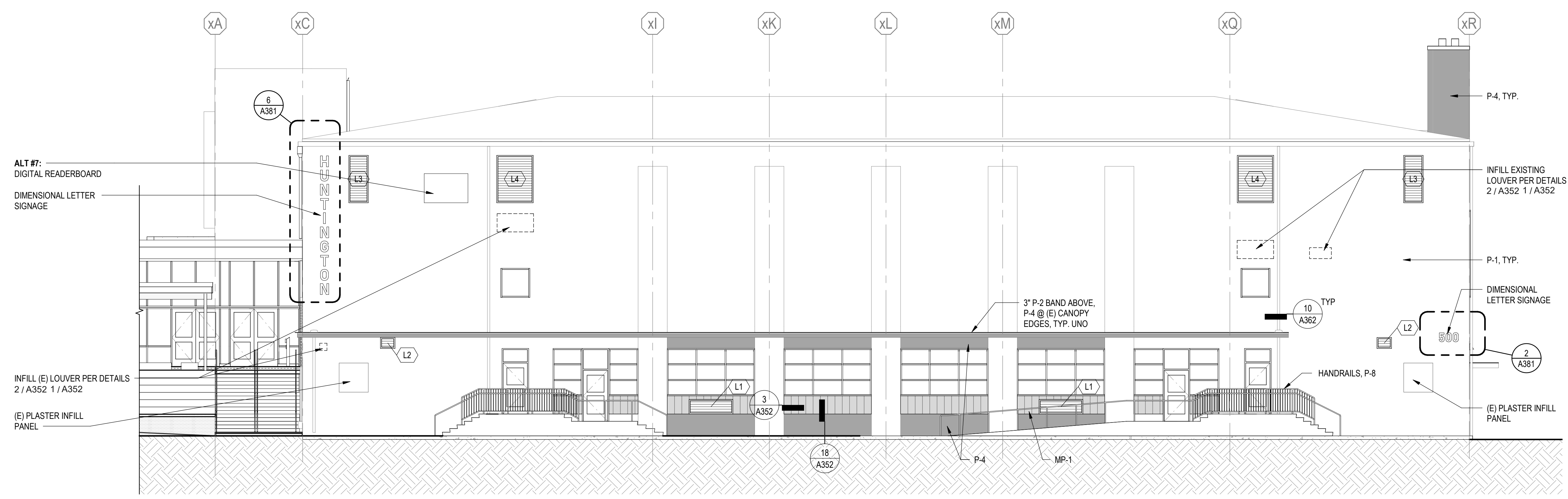
5 EAST ELEVATION - OVERALL
SCALE: 1/16" = 1'-0"



1 NORTH ELEVATION - BUILDING 1 AREA A
SCALE: 1/8" = 1'-0"



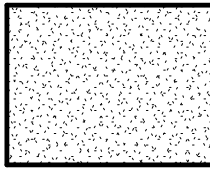
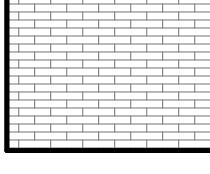
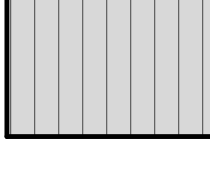
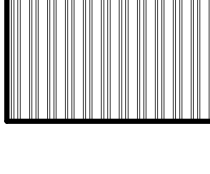
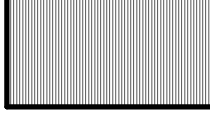
2 NORTH ELEVATION - BUILDING 1 AREA B
SCALE: 1/8" = 1'-0"



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

ELEVATION KEY

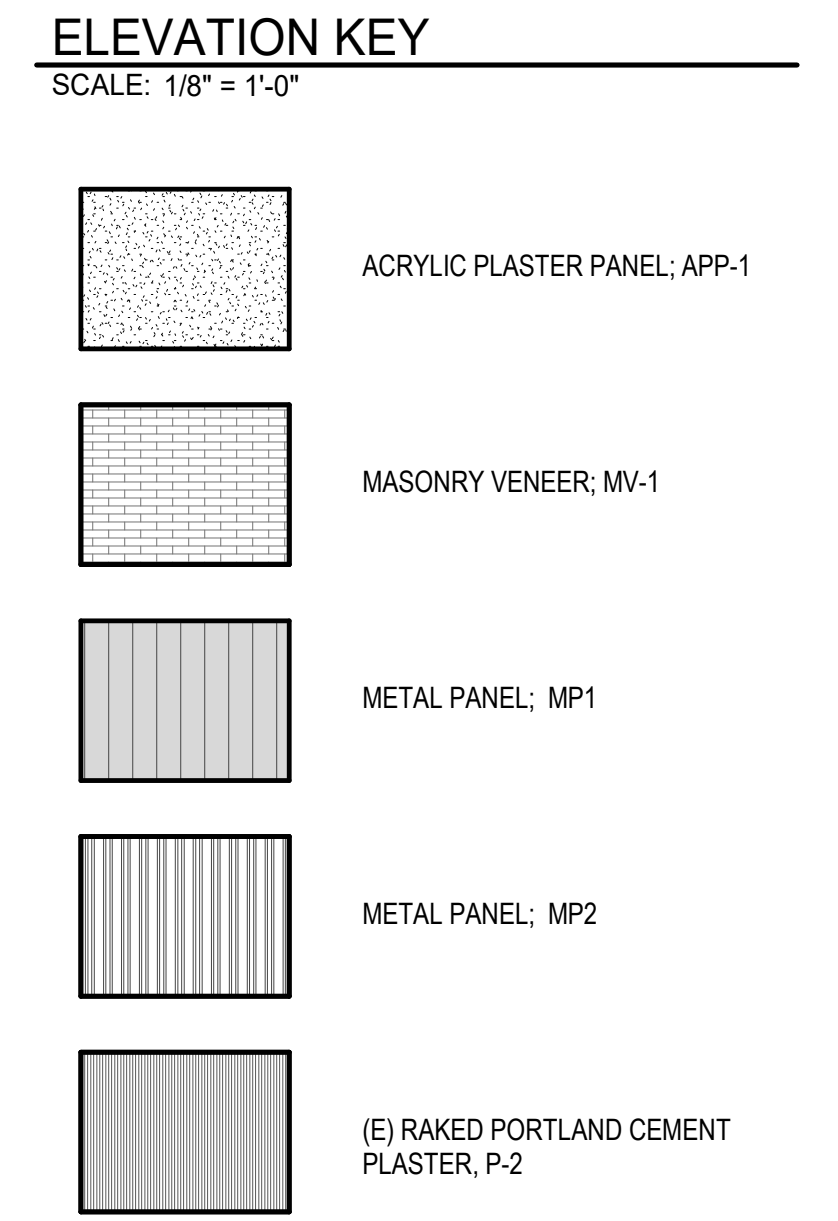
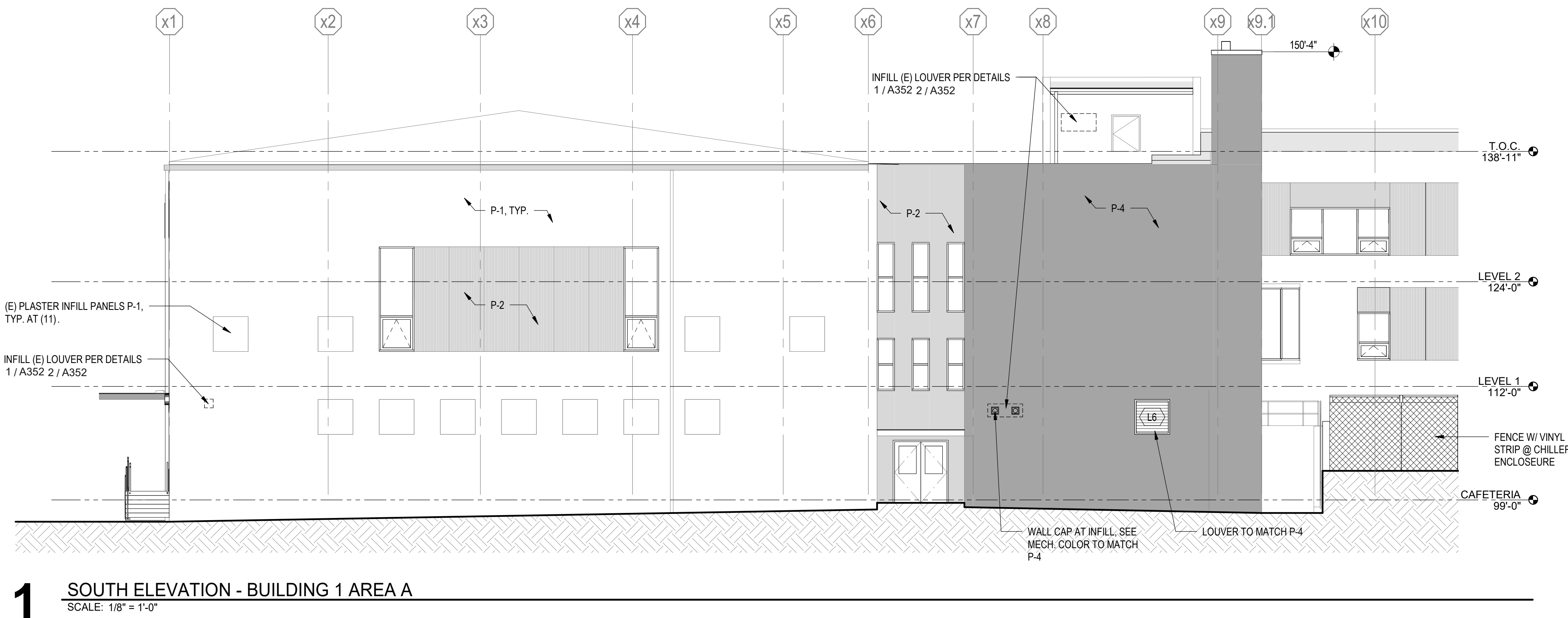
SCALE: 1/8" = 1'-0"

-  ACRYLIC PLASTER PANEL; APP-1
-  MASONRY VENEER; MV-1
-  METAL PANEL; MP1
-  METAL PANEL; MP2
-  (E) RAKED PORTLAND CEMENT PLASTER; P-2

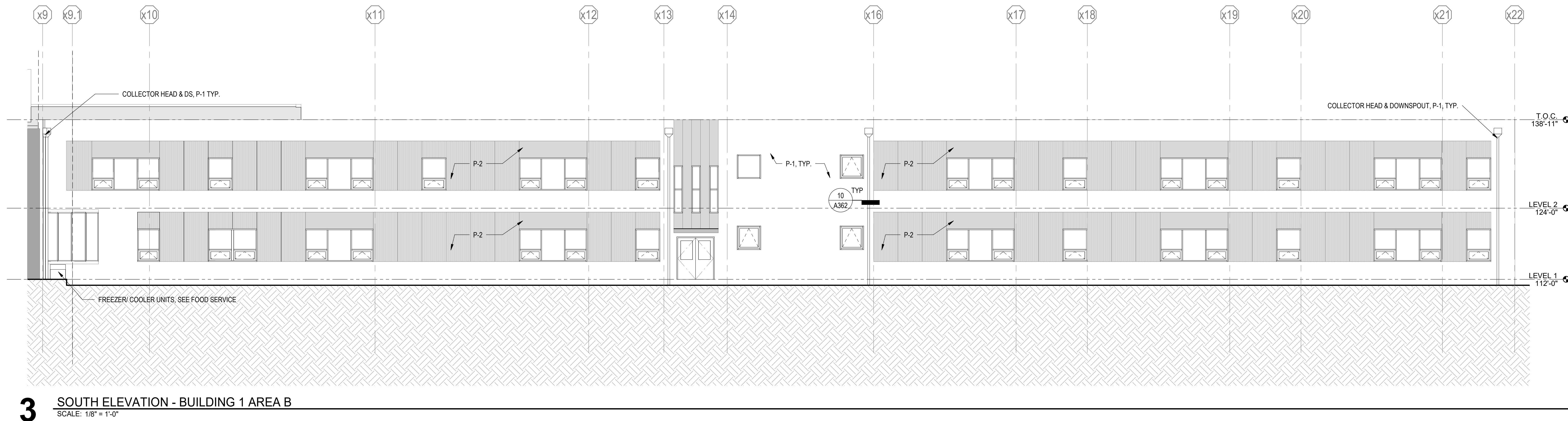
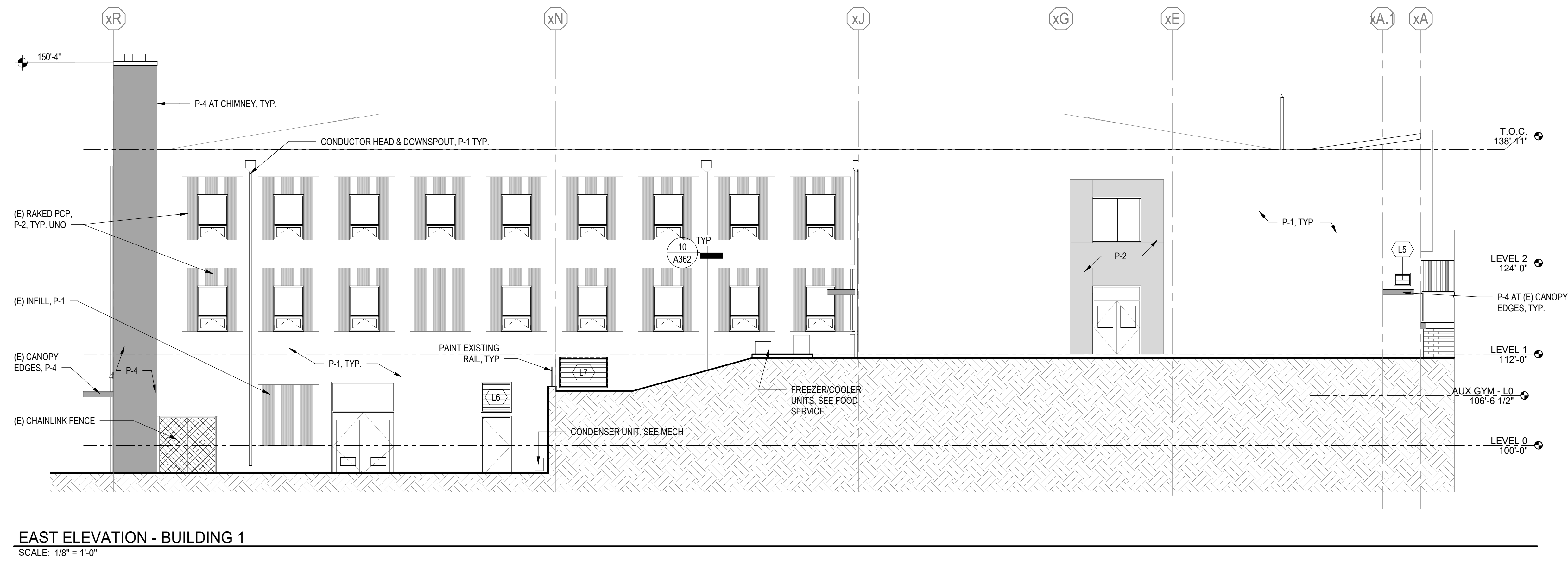
GENERAL NOTES - ELEVATIONS

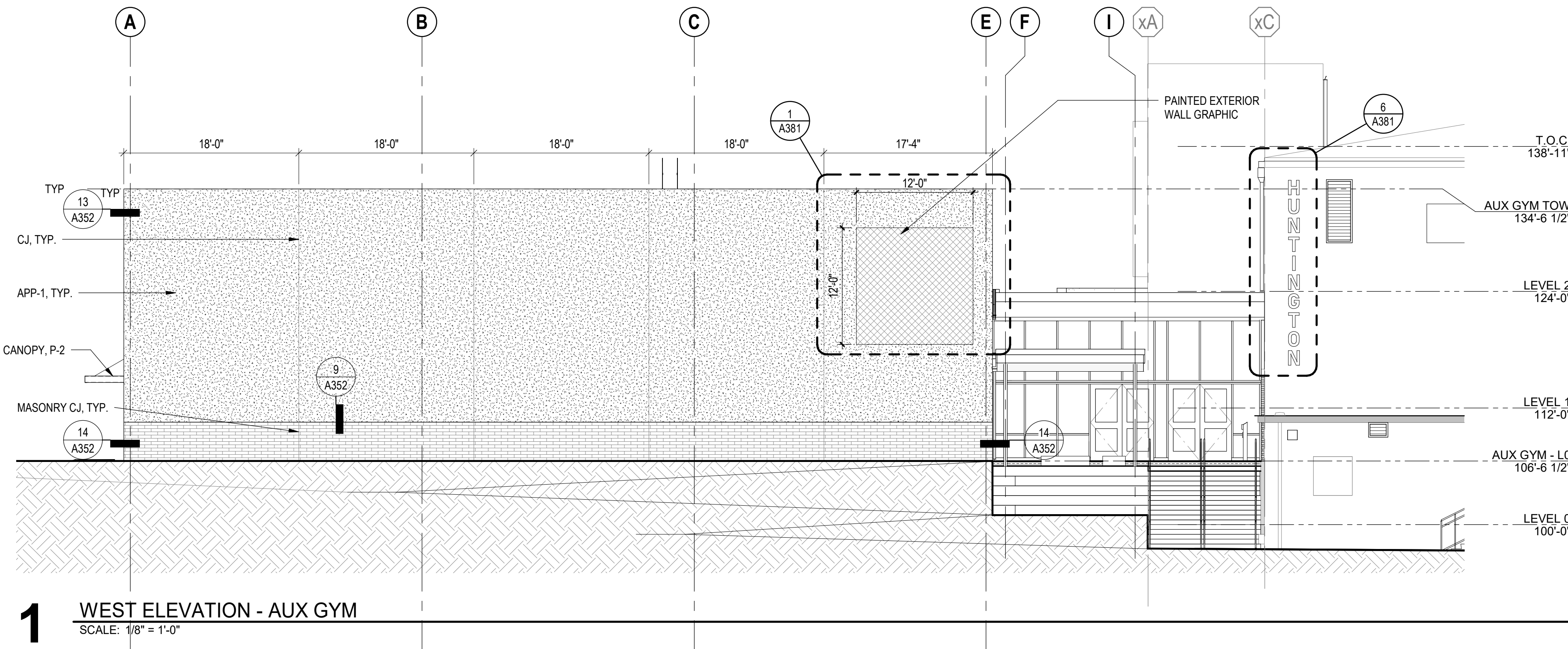
1. PAINT EXTERIOR (E) WALLS, TRIM, AND CANOPIES TYP. COLOR PER ELEVATIONS.
2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN
3. SEE SHEET A352 FOR WALL PENETRATION DETAILS

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description



- GENERAL NOTES - ELEVATIONS**
1. PAINT EXTERIOR (E) WALLS, TRIM, AND CANOPIES TYP. COLOR PER ELEVATIONS.
 2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN
 3. SEE SHEET A352 FOR WALL PENETRATION DETAILS

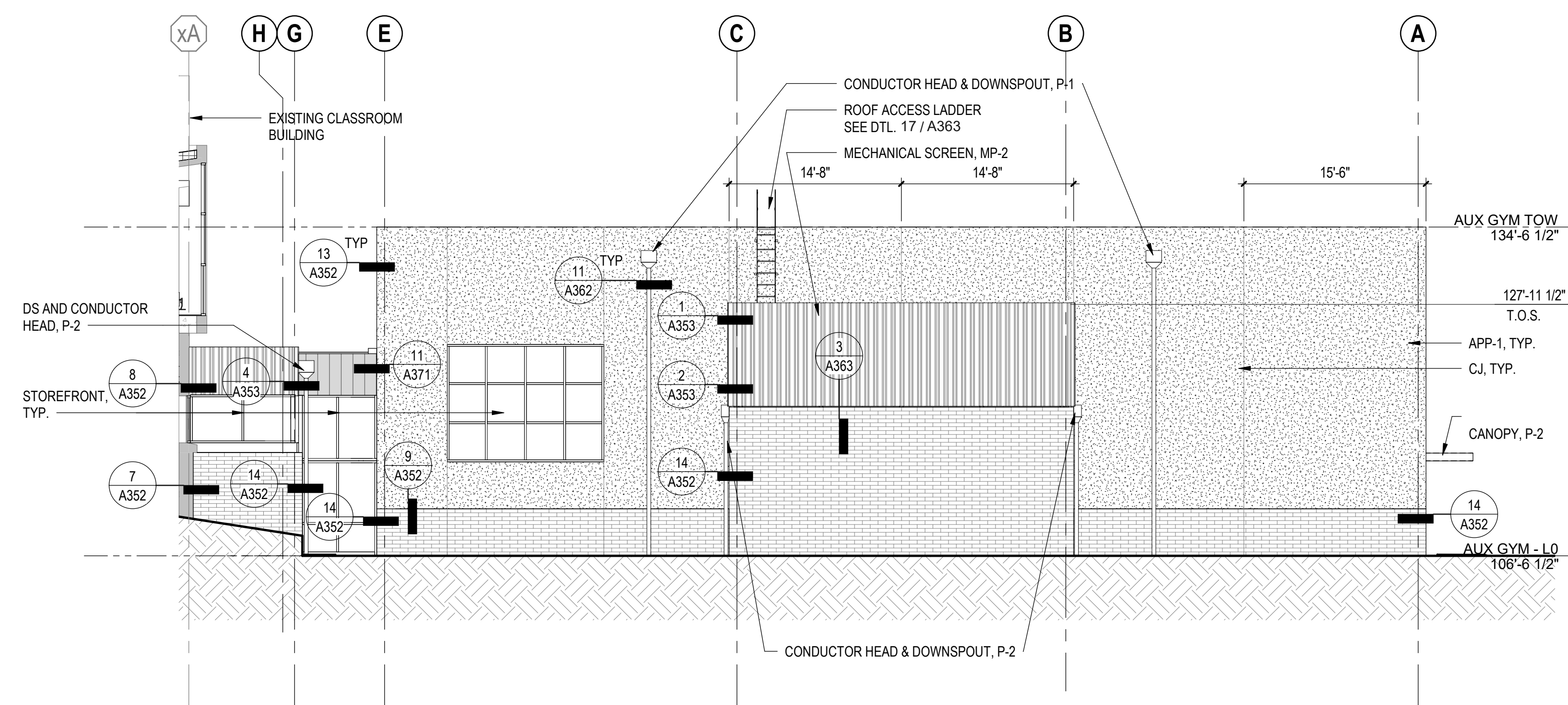
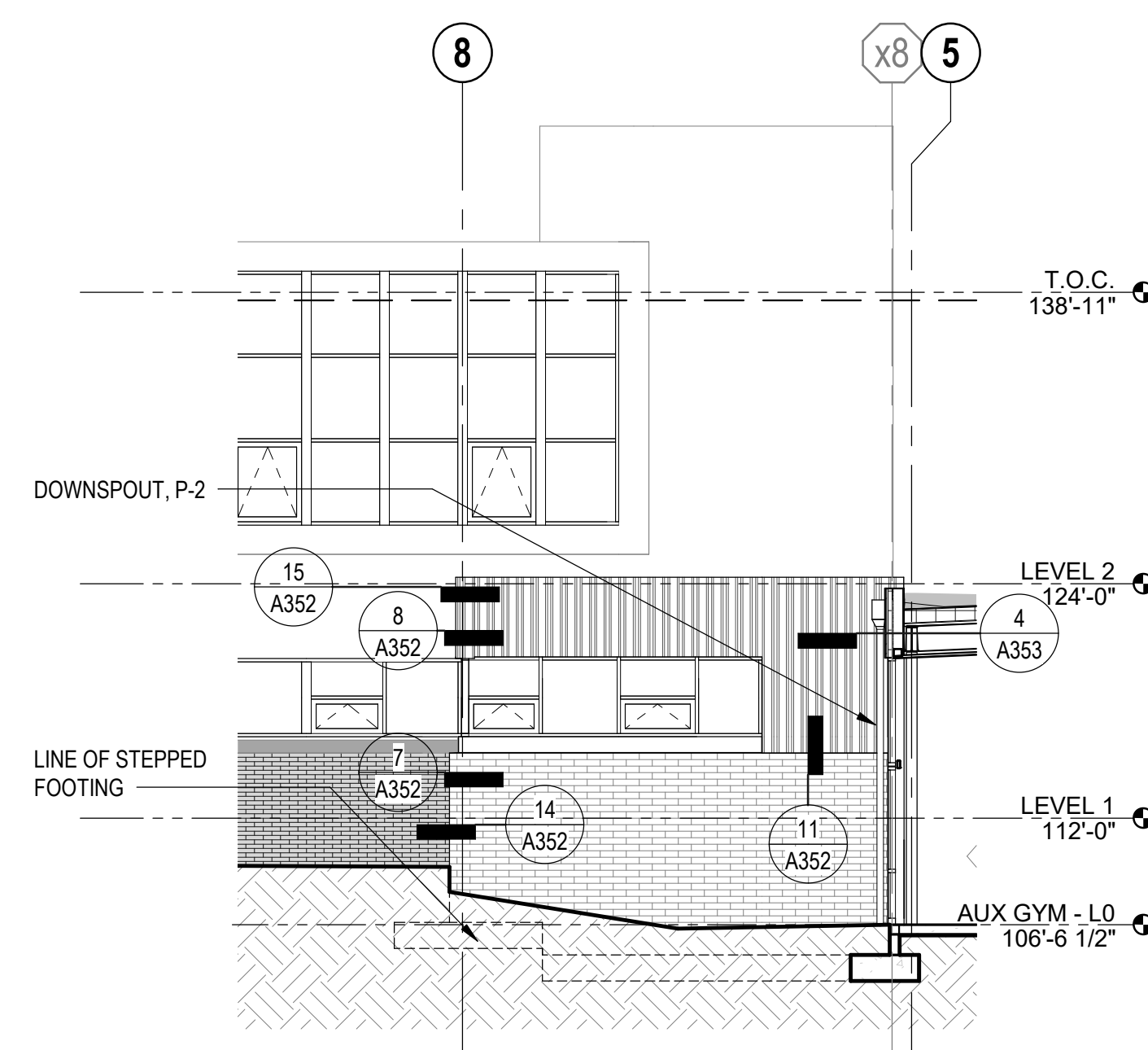
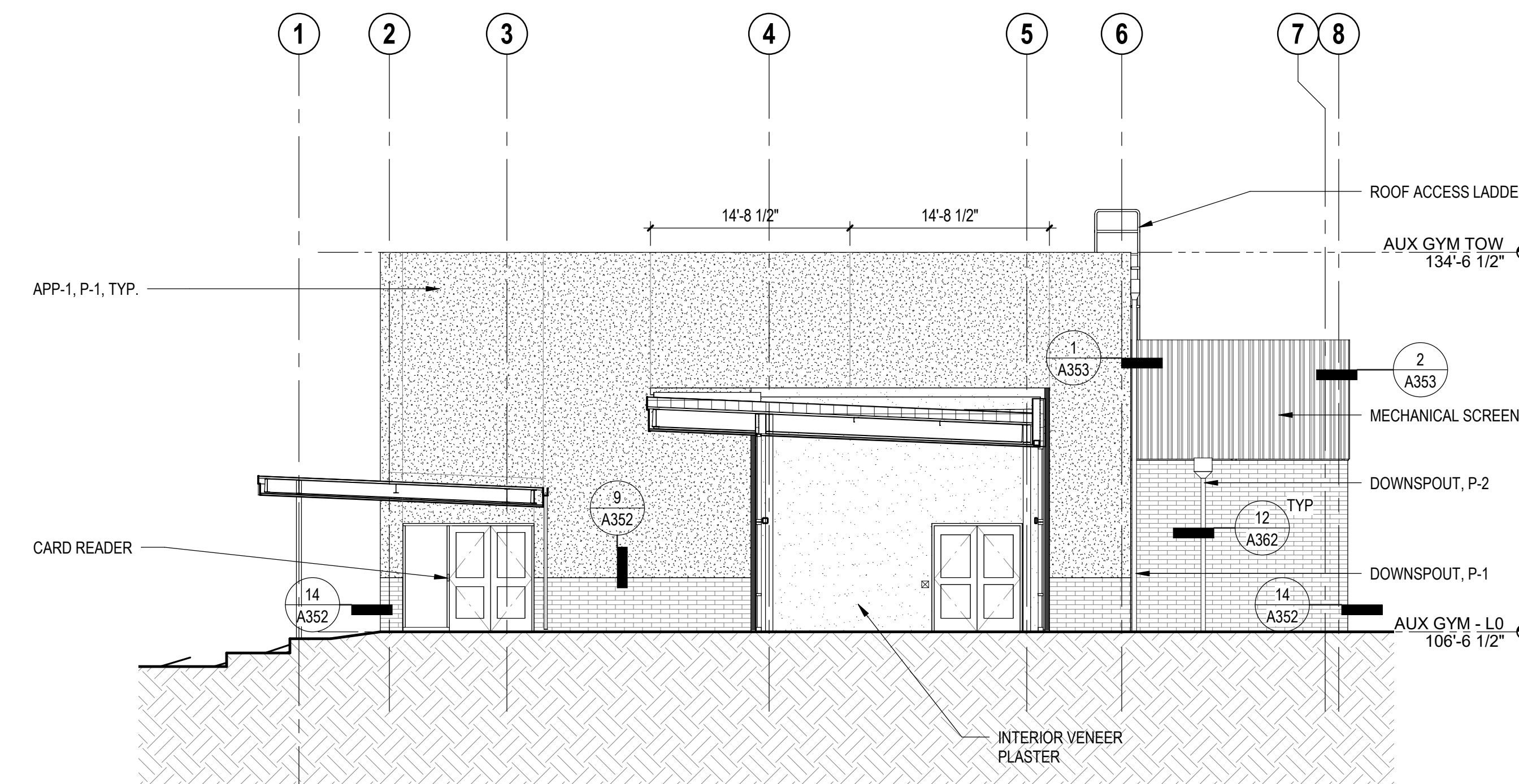
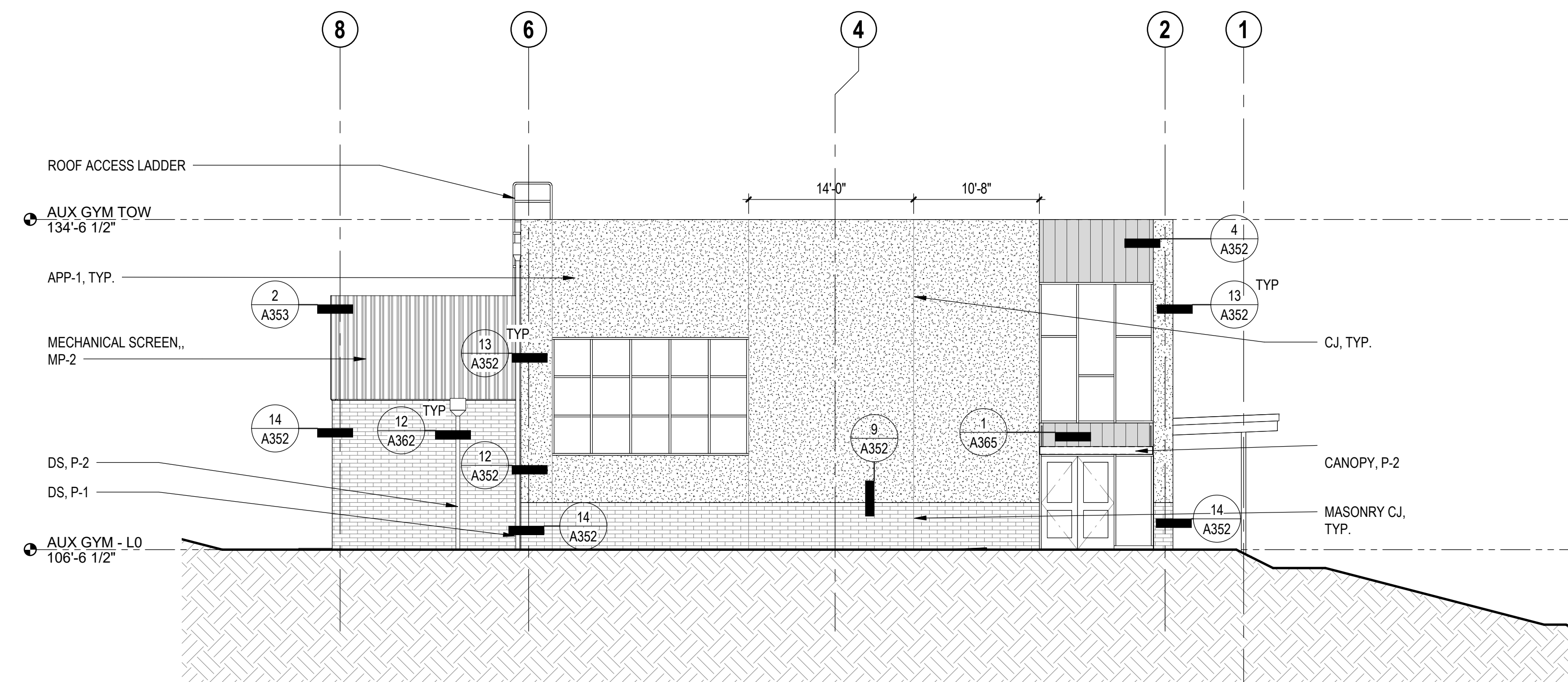




ELEVATION KEY
SCALE: 1/8" = 1'-0"

- ACRYLIC PLASTER PANEL, APP-1
- MASONRY VENEER, MV-1
- METAL PANEL, MP1
- METAL PANEL, MP2
- (E) RAKED PORTLAND CEMENT PLASTER, P-2

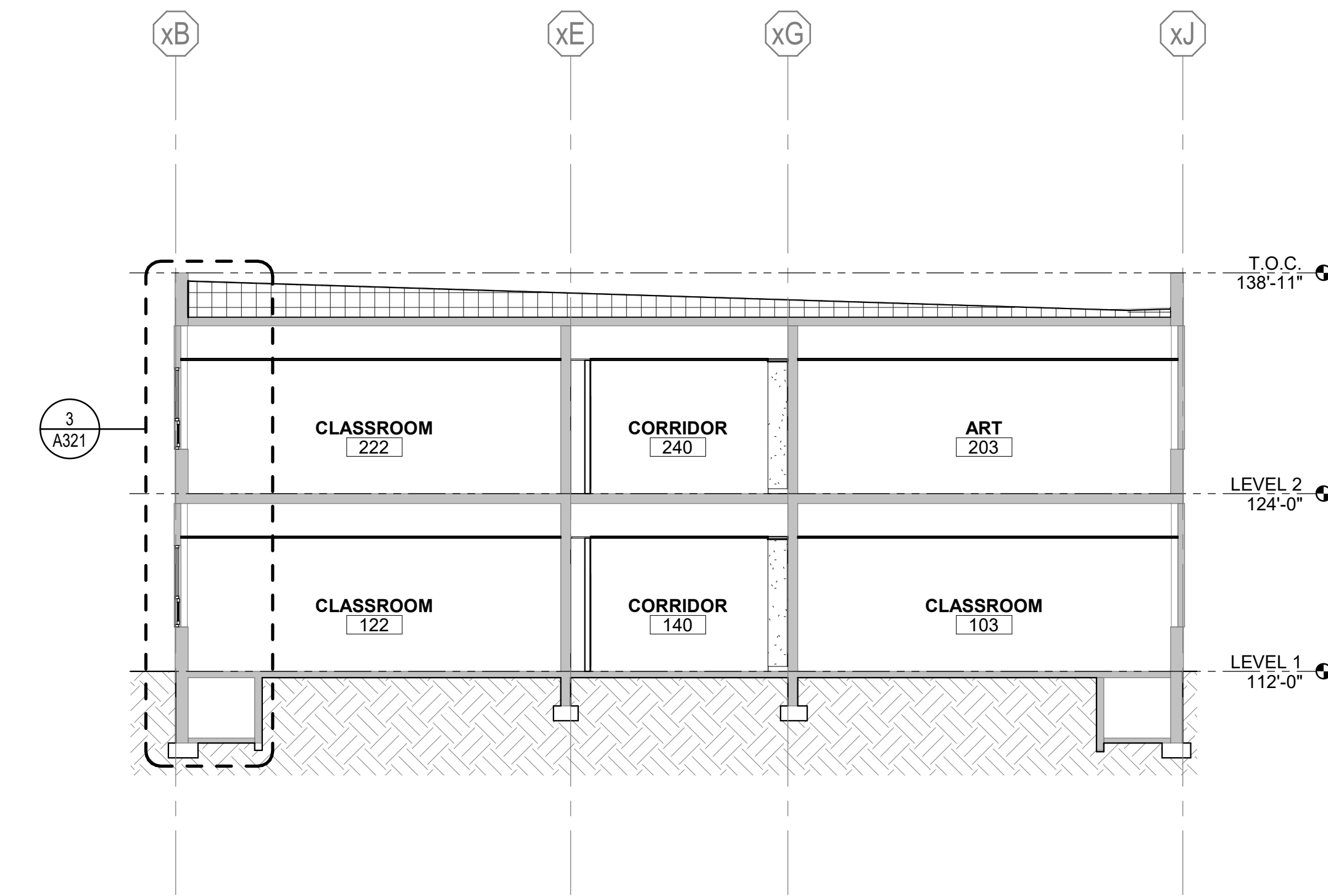
- GENERAL NOTES - ELEVATIONS**
1. PAINT EXTERIOR (E) WALLS, TRIM, AND CANOPIES TYP. COLOR PER ELEVATIONS.
 2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN
 3. SEE SHEET A352 FOR WALL PENETRATION DETAILS



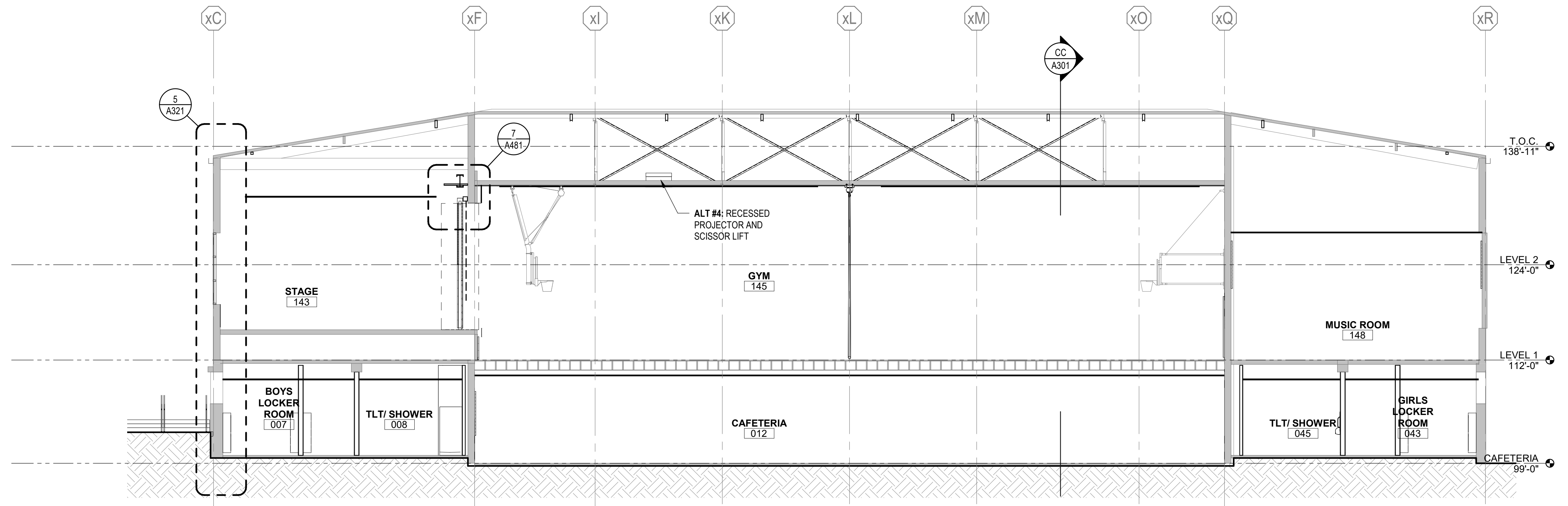
**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

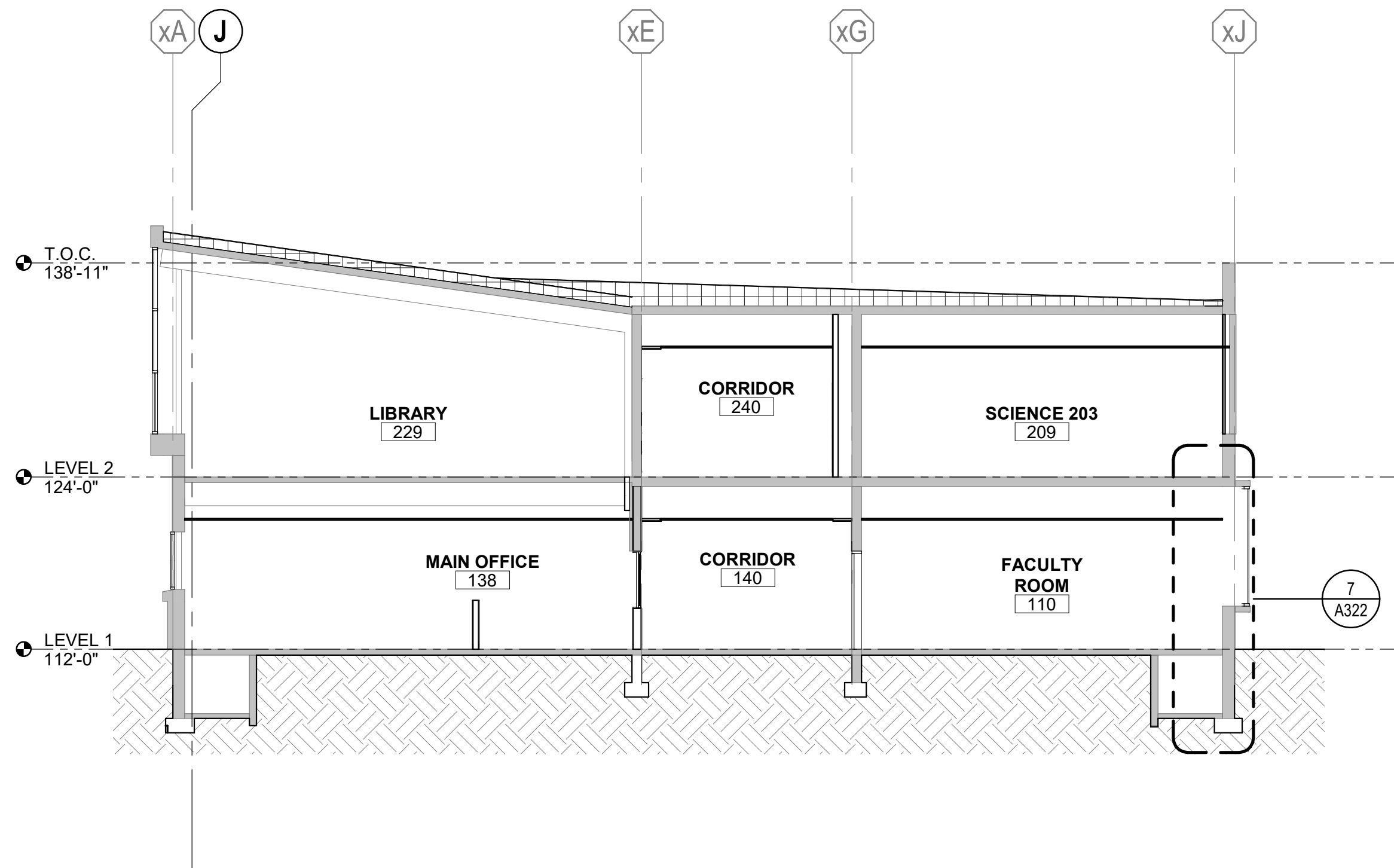
EXTERIOR
ELEVATIONS -
ADDITION



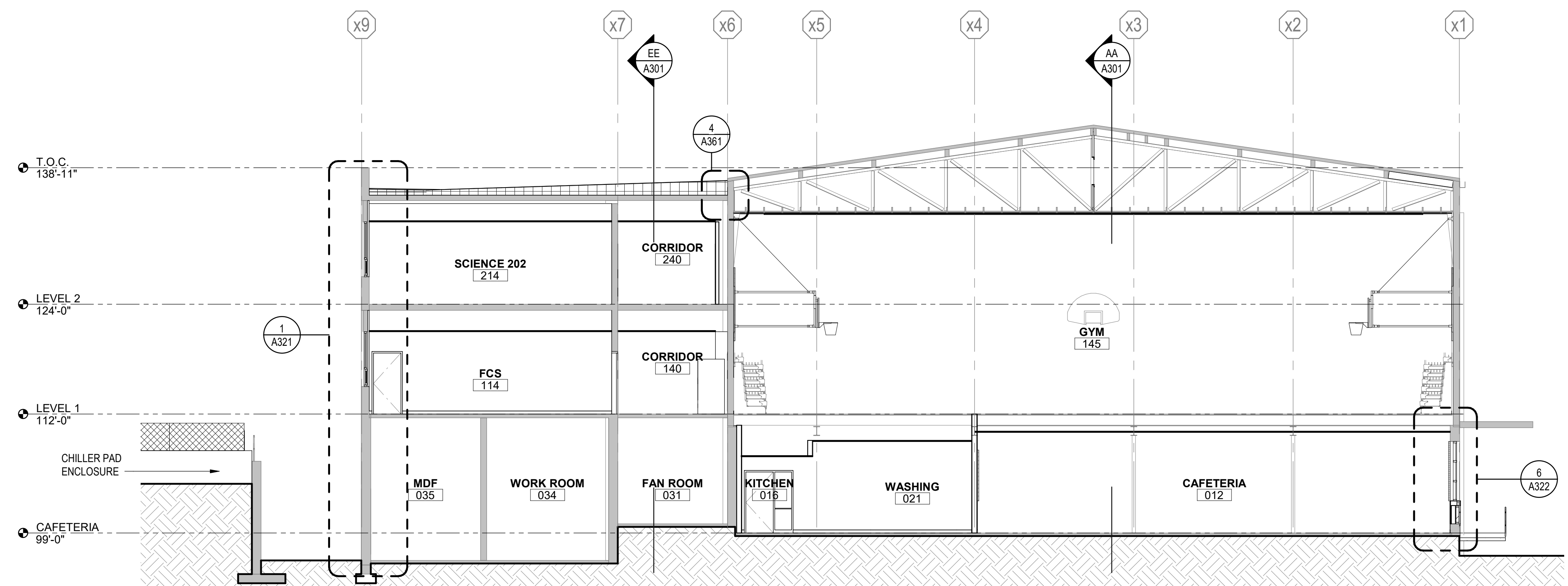
BB BUILDING SECTION
SCALE: 1/8" = 1'-0"



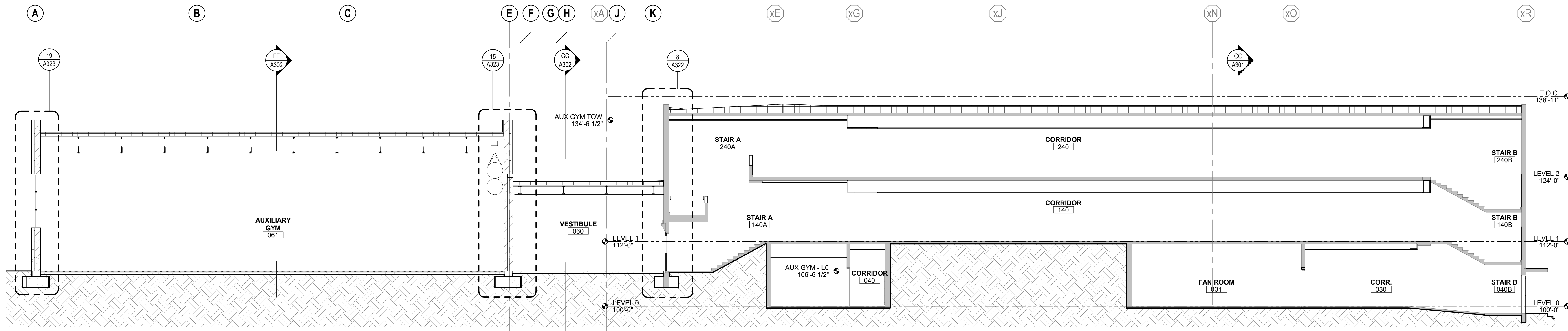
AA BUILDING SECTION
SCALE: 1/8" = 1'-0"



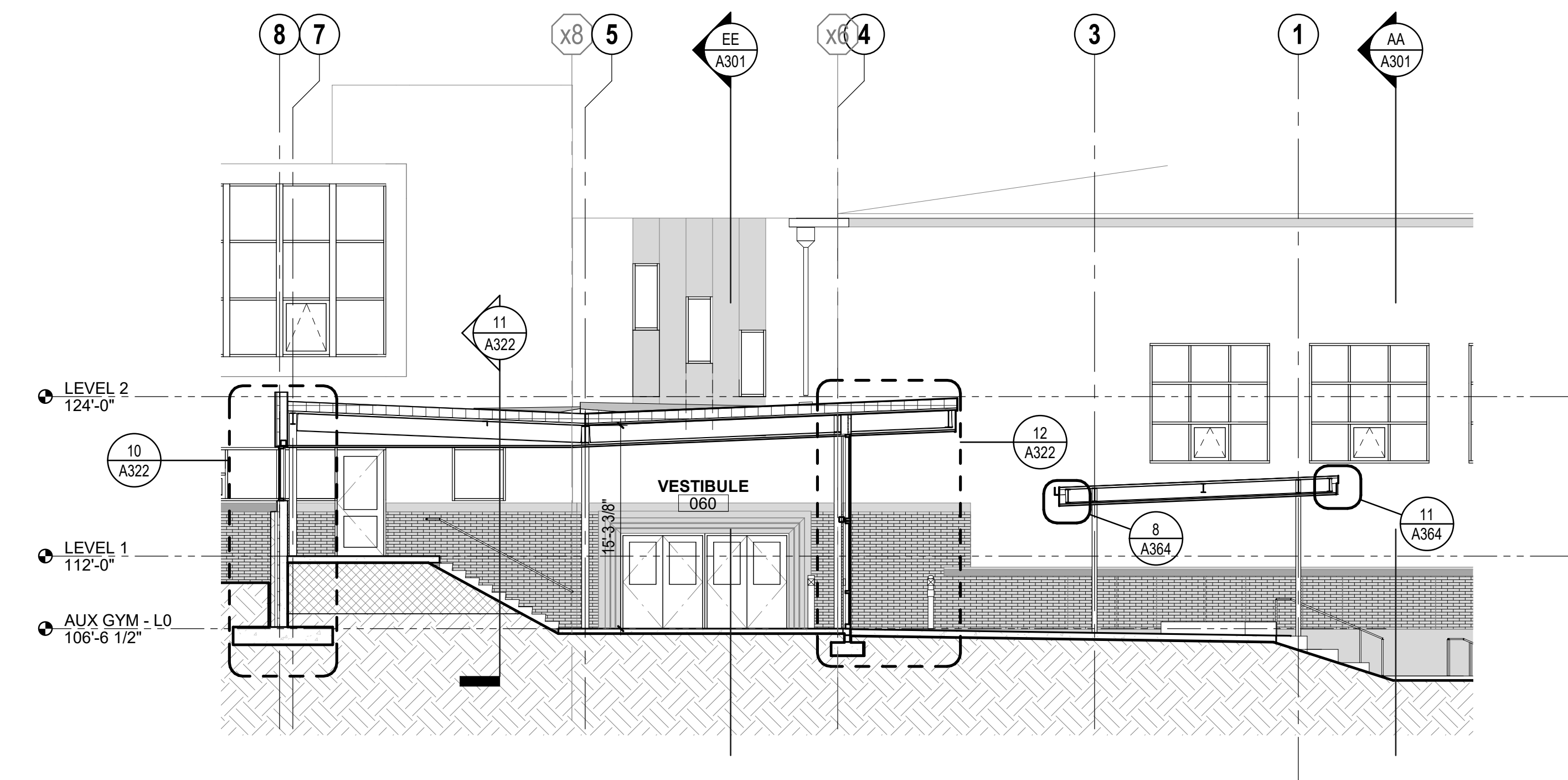
DD BUILDING SECTION
SCALE: 1/8" = 1'-0"



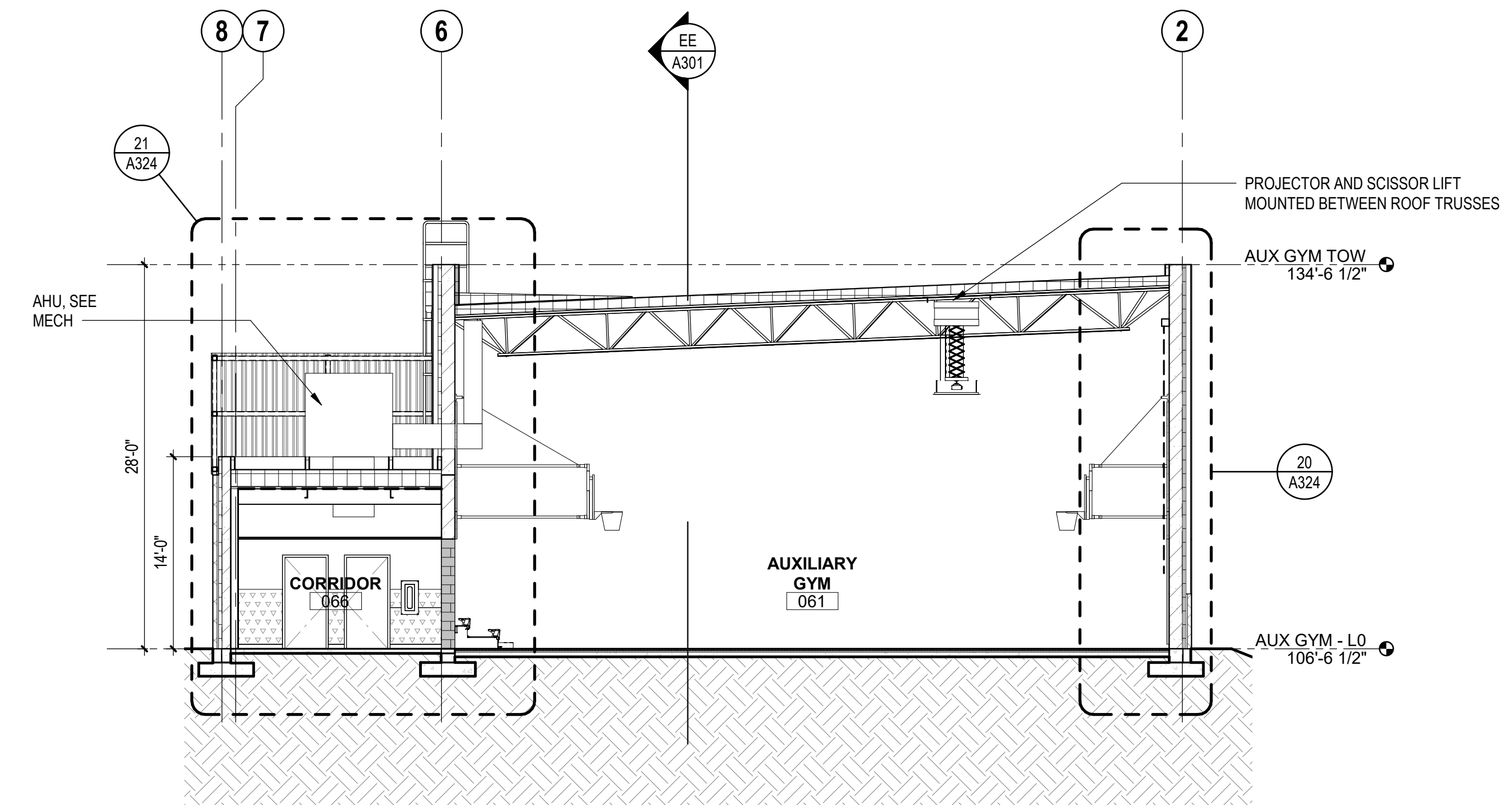
CC BUILDING SECTION
SCALE: 1/8" = 1'-0"



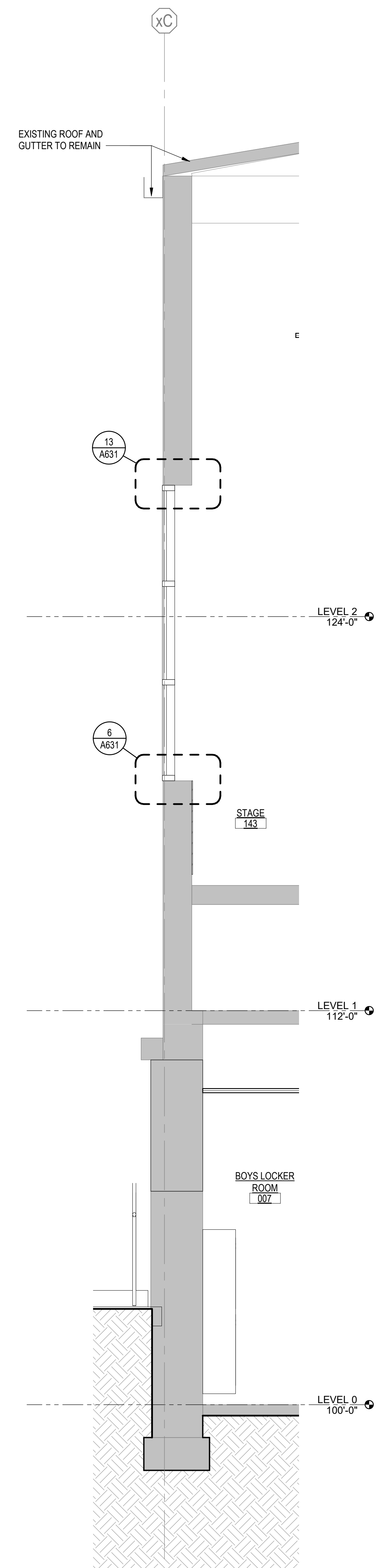
EE BUILDING SECTION
SCALE: 1/8" = 1'-0"



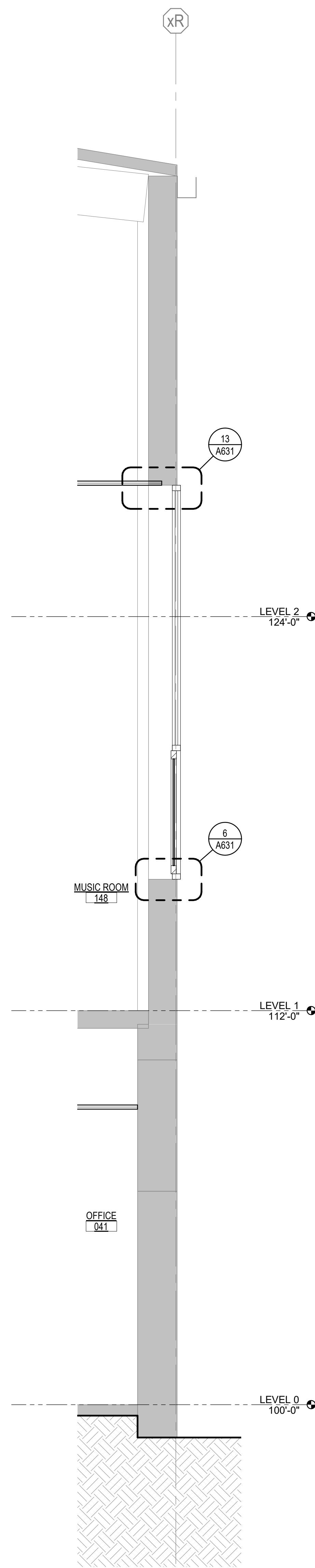
GG BUILDING SECTION
SCALE: 1/8" = 1'-0"



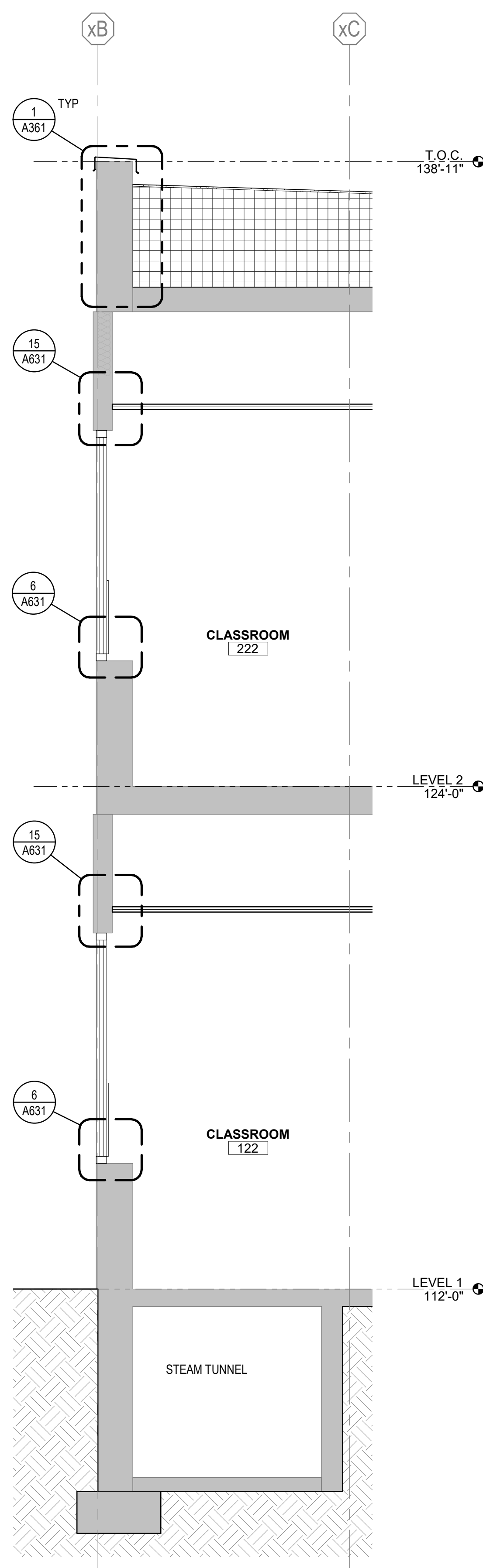
FF BUILDING SECTION - BLDG. 1C CROSS SECTION
SCALE: 1/8" = 1'-0"



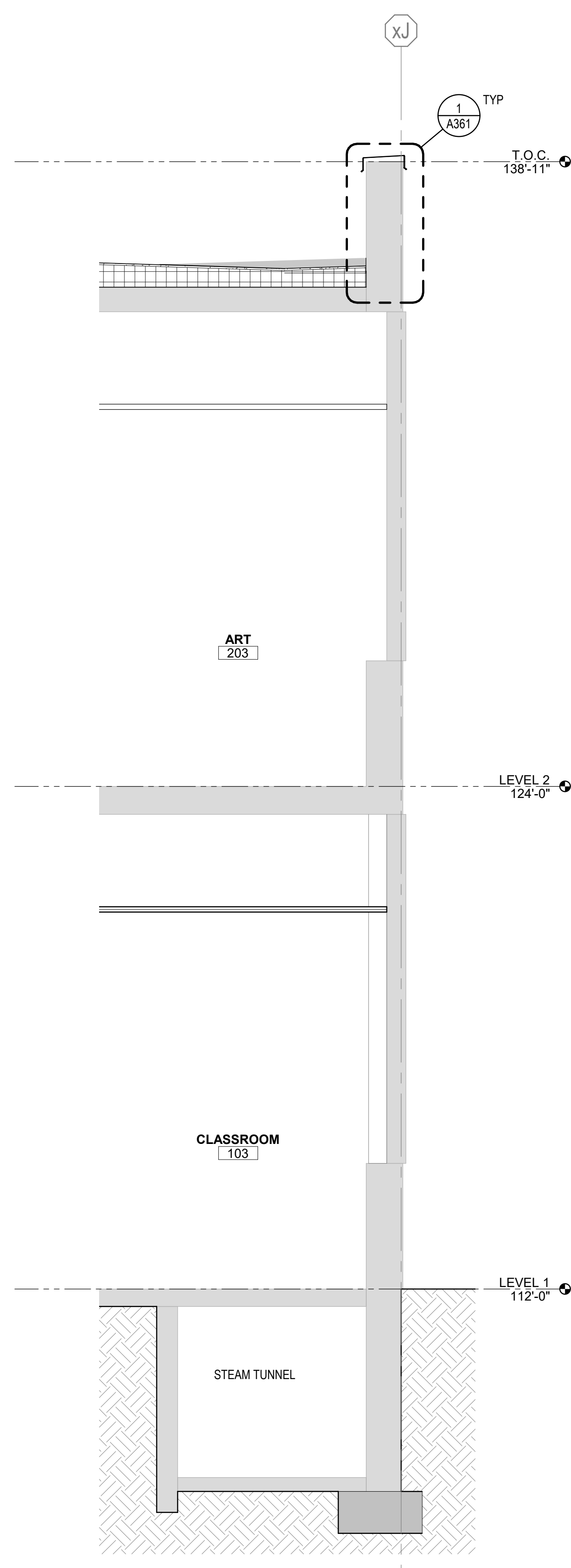
5 WALL SECTION - NORTH WALL
SCALE: 1/2" = 1'-0"



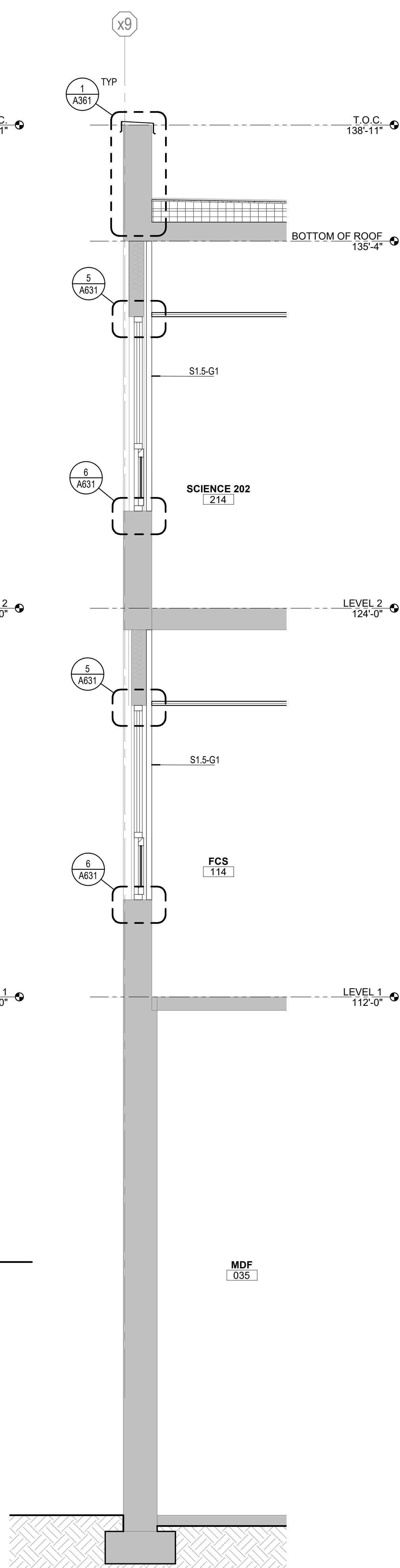
4 WALL SECTION - MUSIC ROOM
SCALE: 1/2" = 1'-0"



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



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



1 WALL SECTION - EAST ELEVATION WINDOW
SCALE: 1/2" = 1'-0"

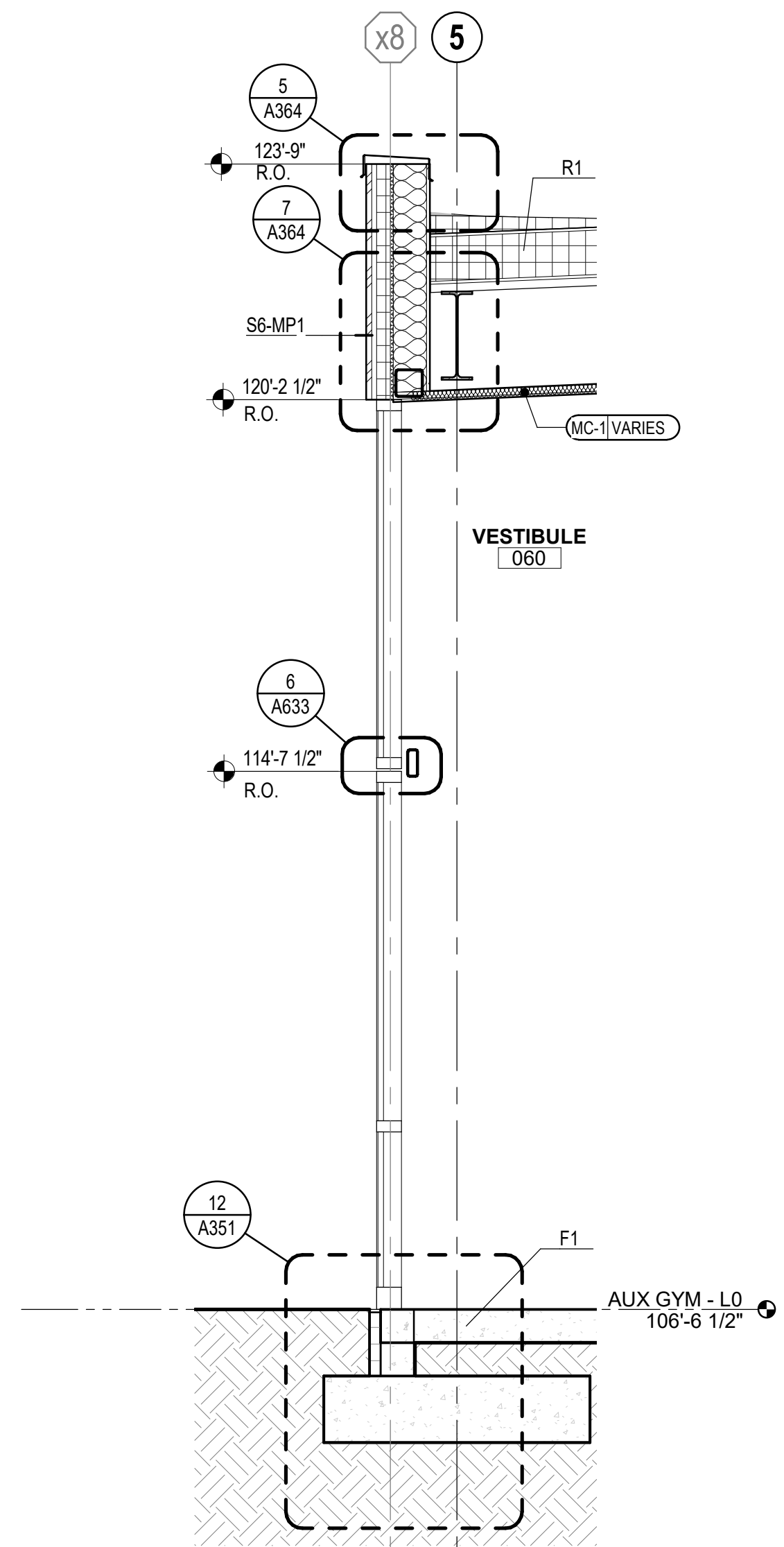
**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

500 REDPATH ST, KELSO, WA 98626

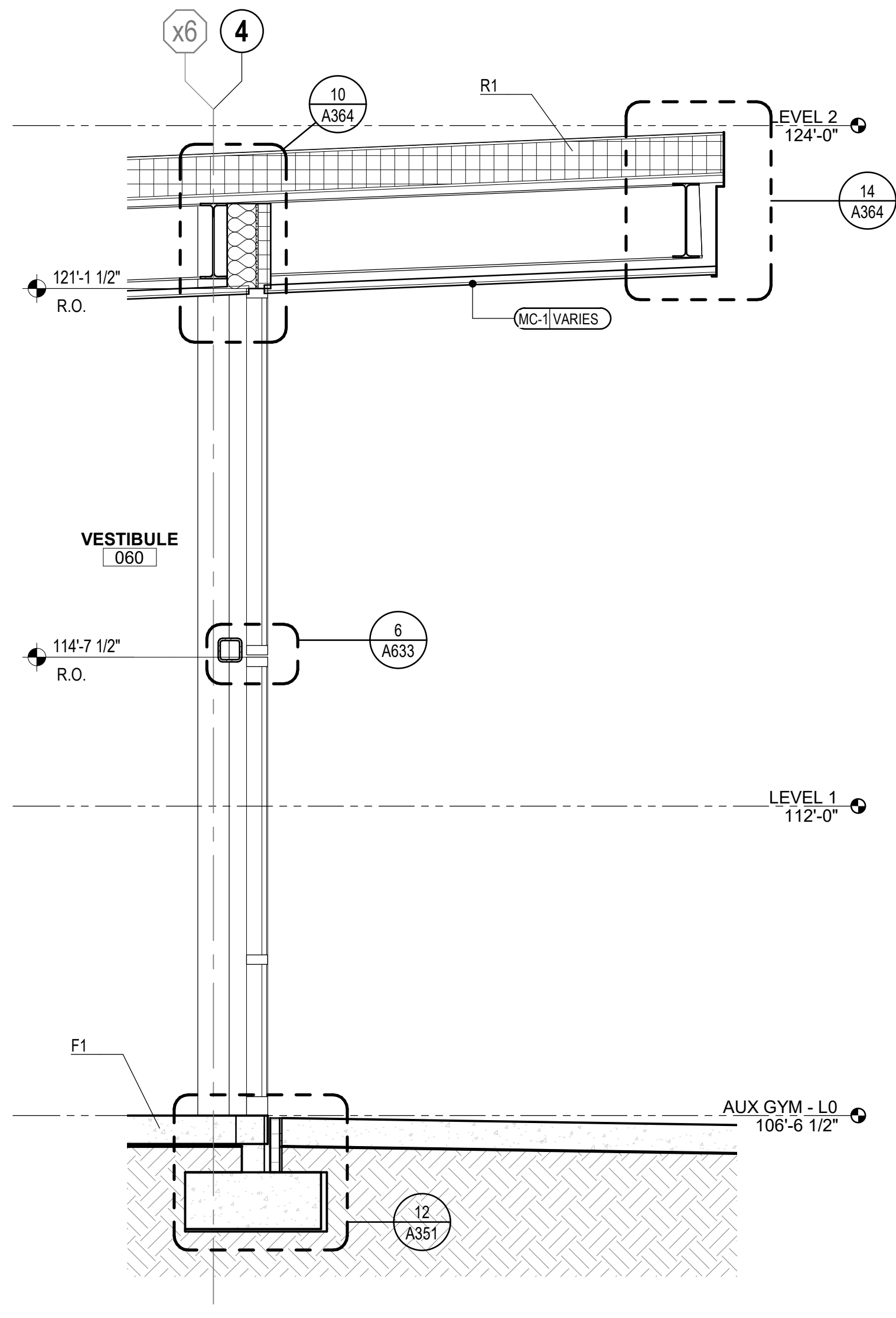
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

WALL SECTIONS

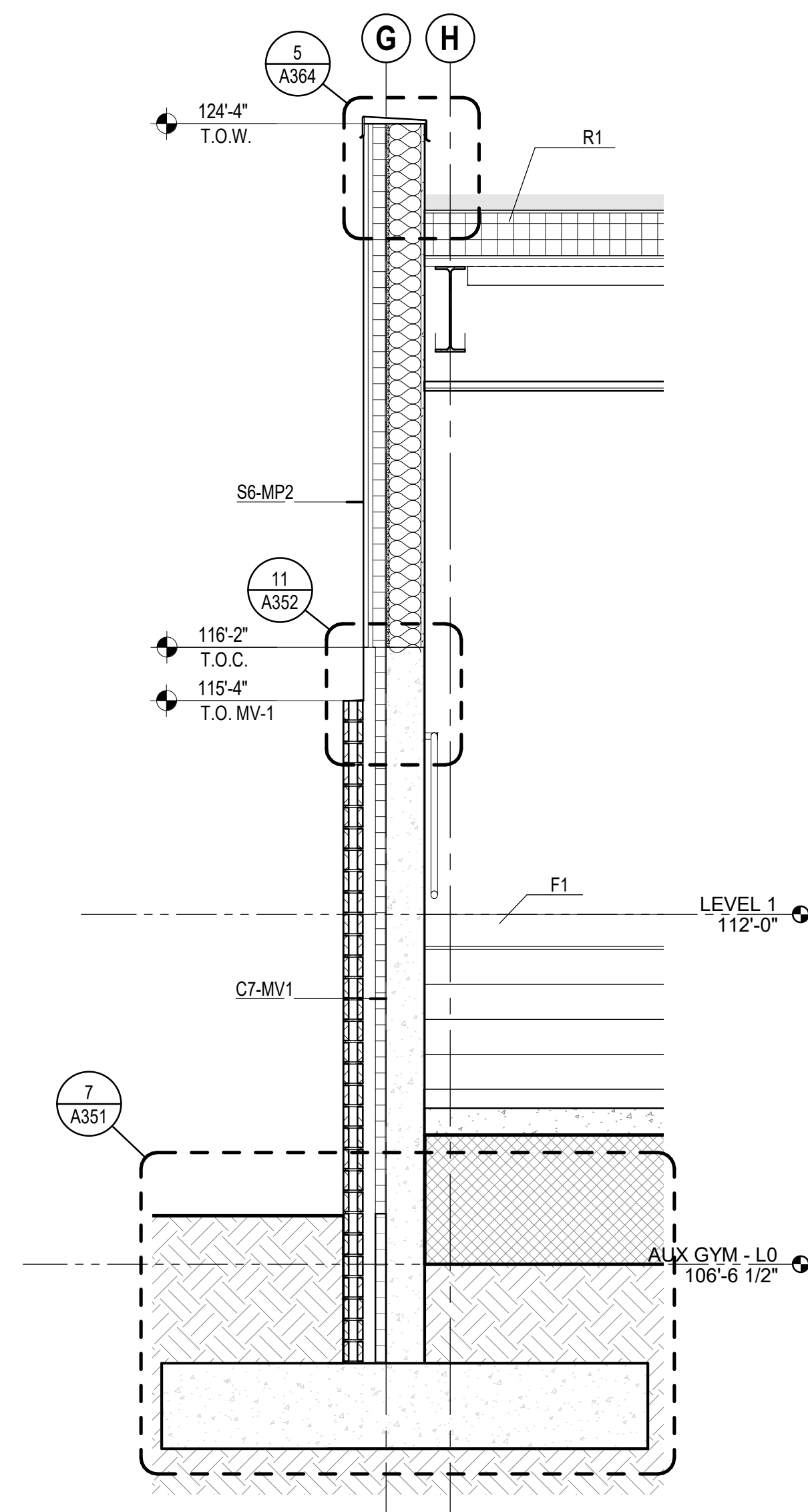
A321



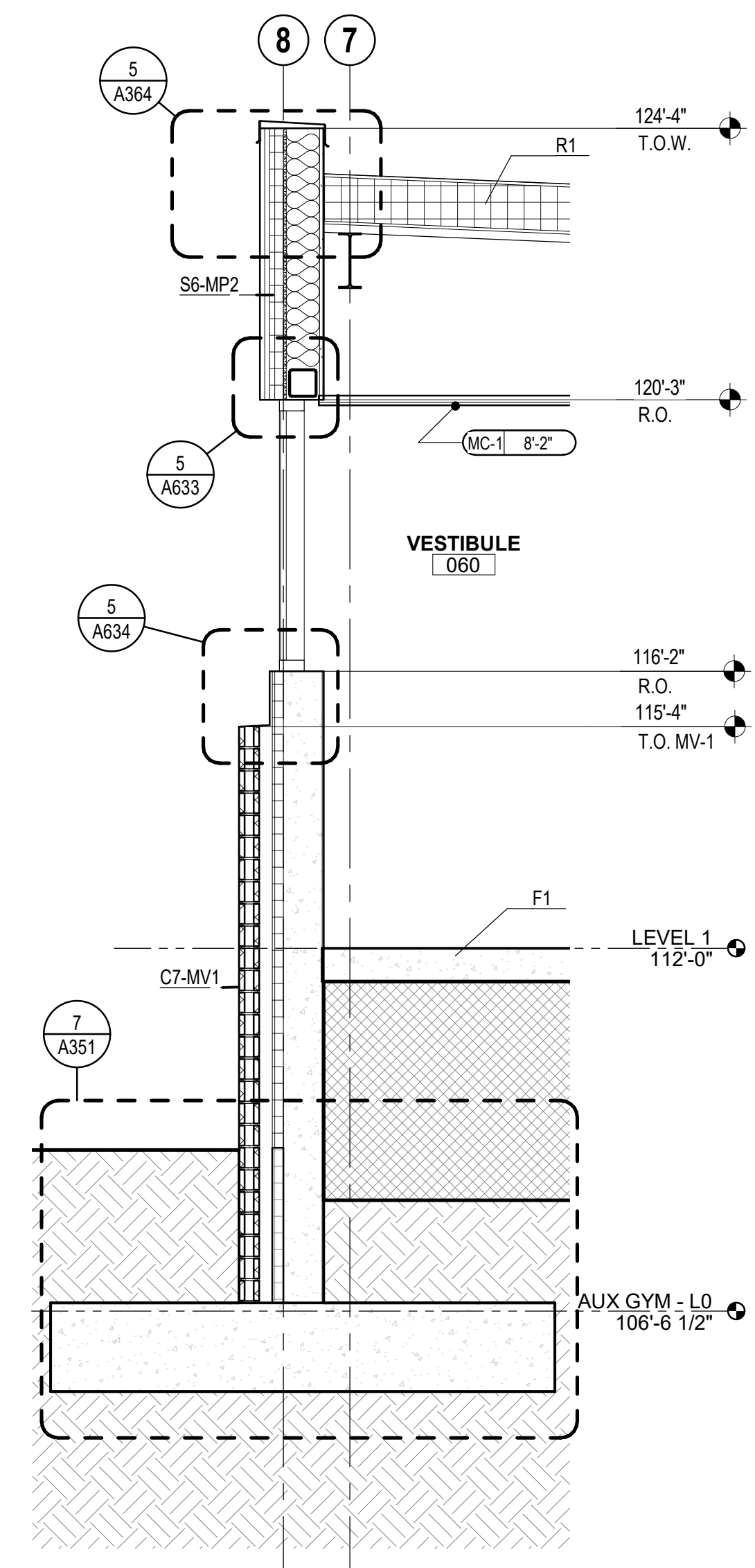
13 WALL SECTION - VESTIBULE - E
SCALE: 1/2" = 1'-0"



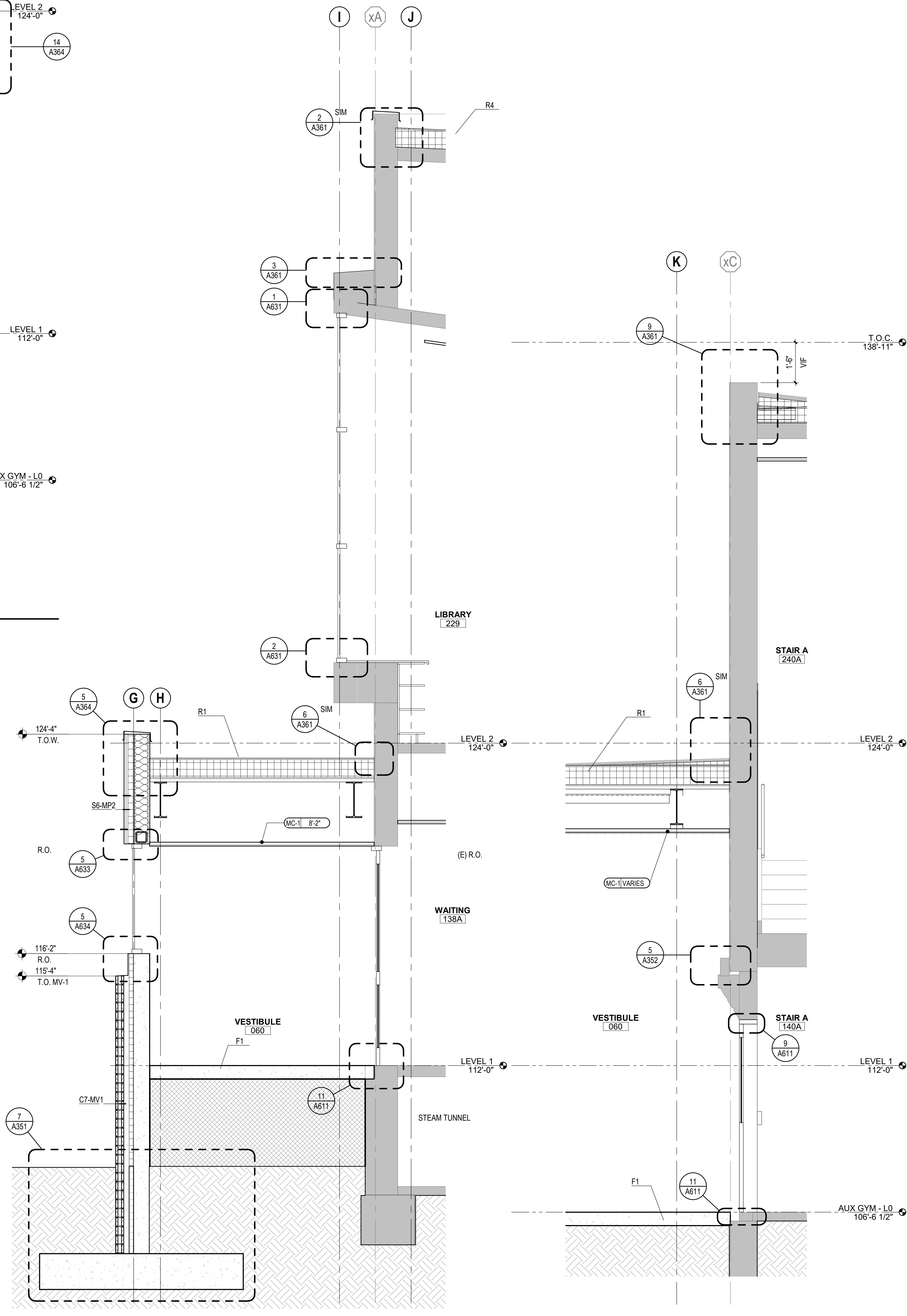
12 WALL SECTION - VESTIBULE ENTRY
SCALE: 1/2" = 1'-0"



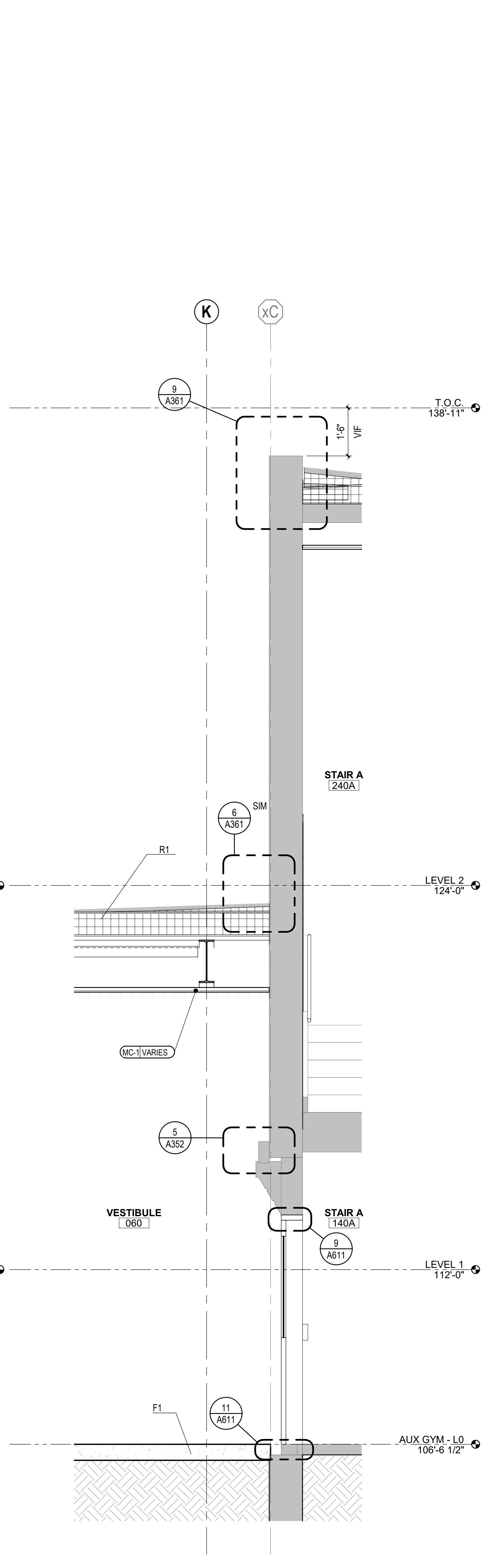
11 WALL SECTION - ADMIN ENTRY1
SCALE: 1/2" = 1'-0"



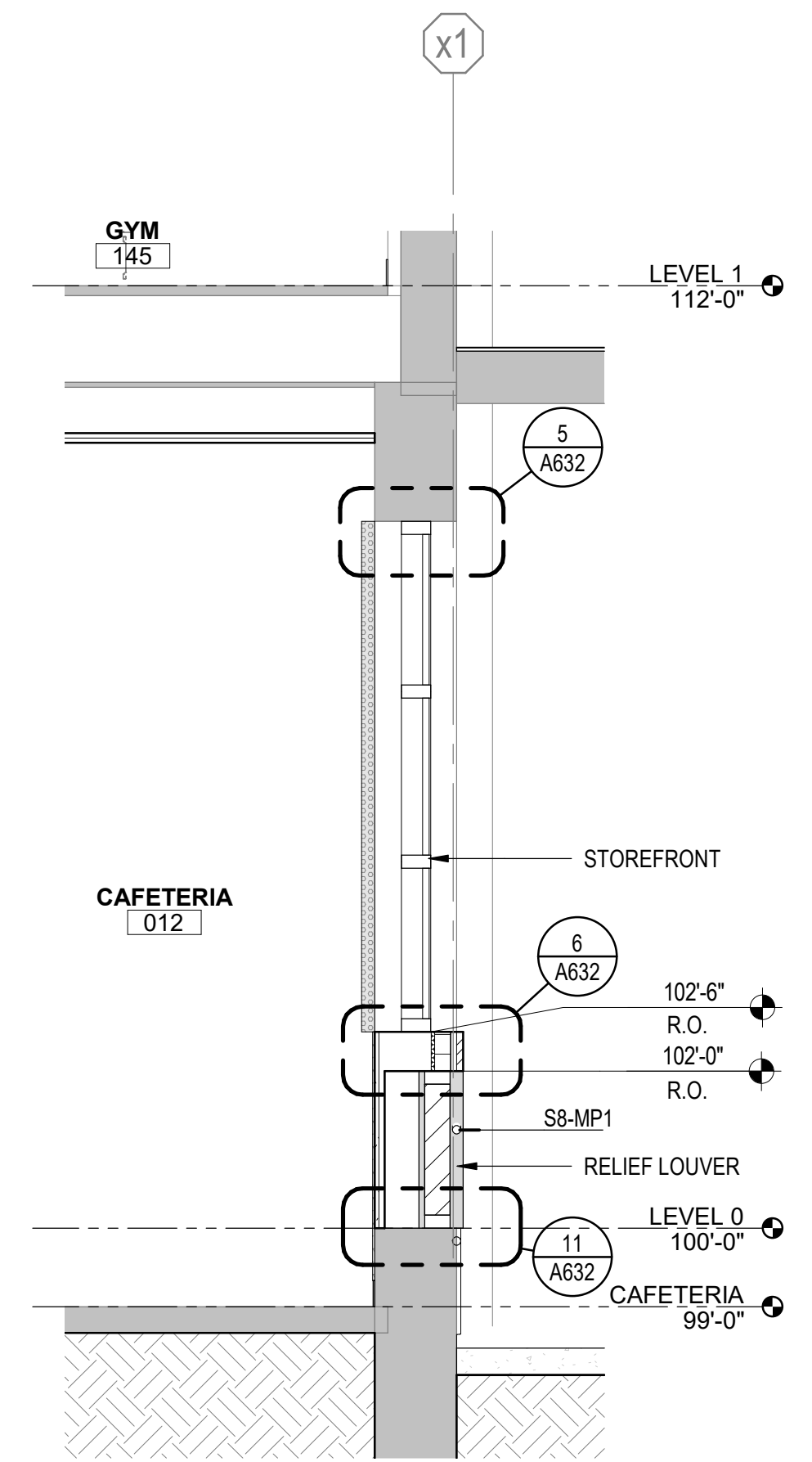
10 WALL SECTION - VESTIBULE
SCALE: 1/2" = 1'-0"



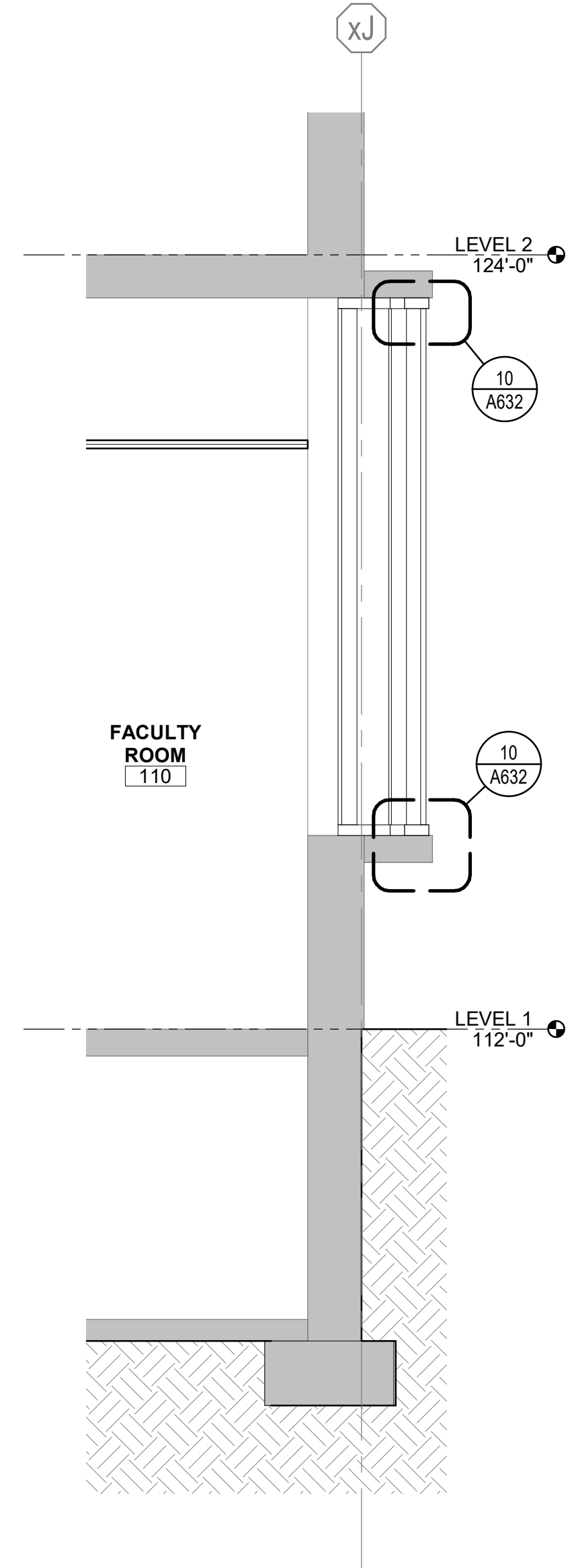
9 WALL SECTION - ADMIN ENTRY
SCALE: 1/2" = 1'-0"



8 WALL SECTION - MAIN ENTRY
SCALE: 1/2" = 1'-0"



6 PARTIAL WALL SECTION - WEST
SCALE: 1/2" = 1'-0"



7 WALL SECTION - FACULTY ROOM
SCALE: 1/2" = 1'-0"

**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

WALL SECTIONS

A322

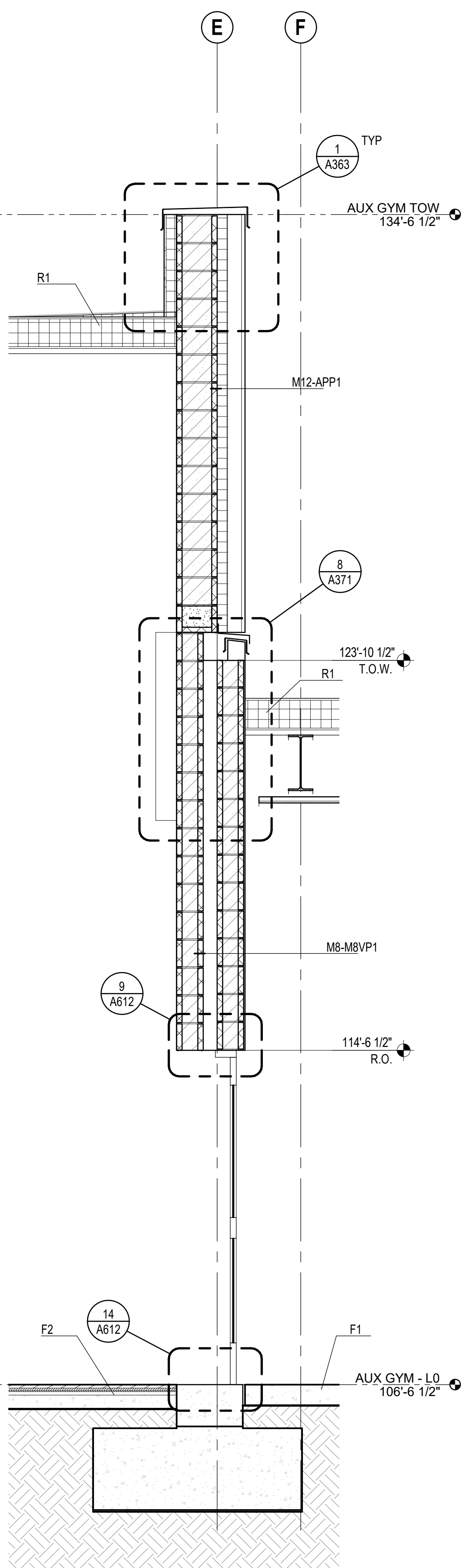
**KELSO SCHOOL DISTRICT NO. 458
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Date:	05/28/2021
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Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

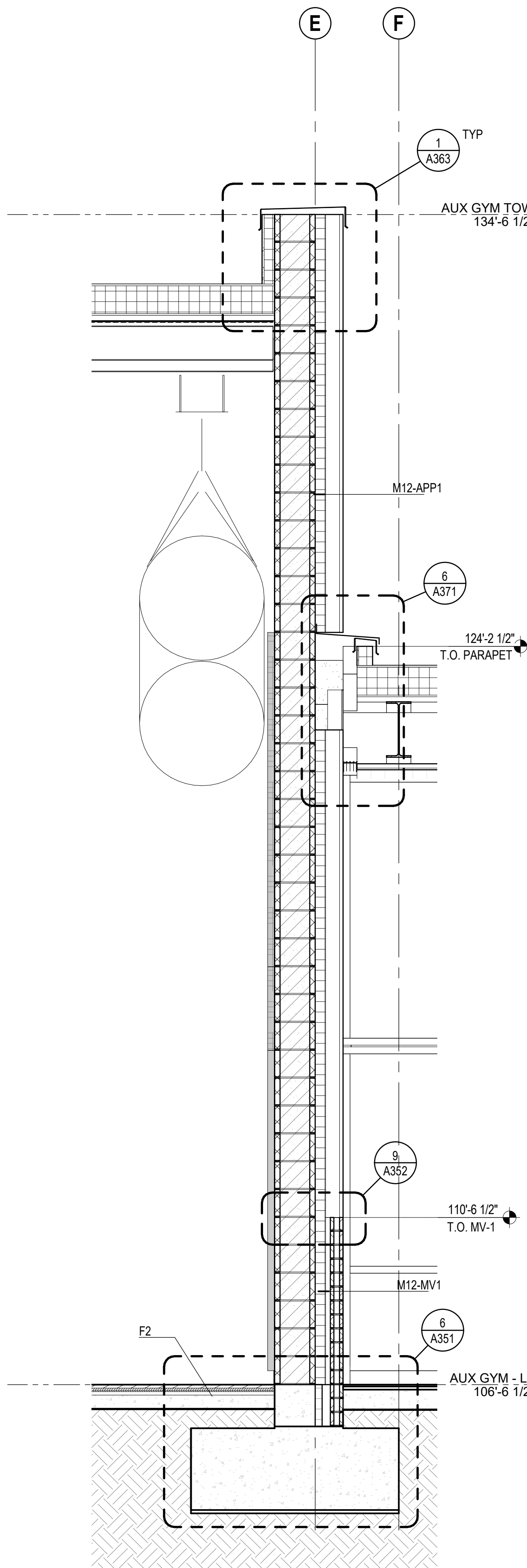
WALL SECTIONS
- BLDG. 1
ADDITION

A323

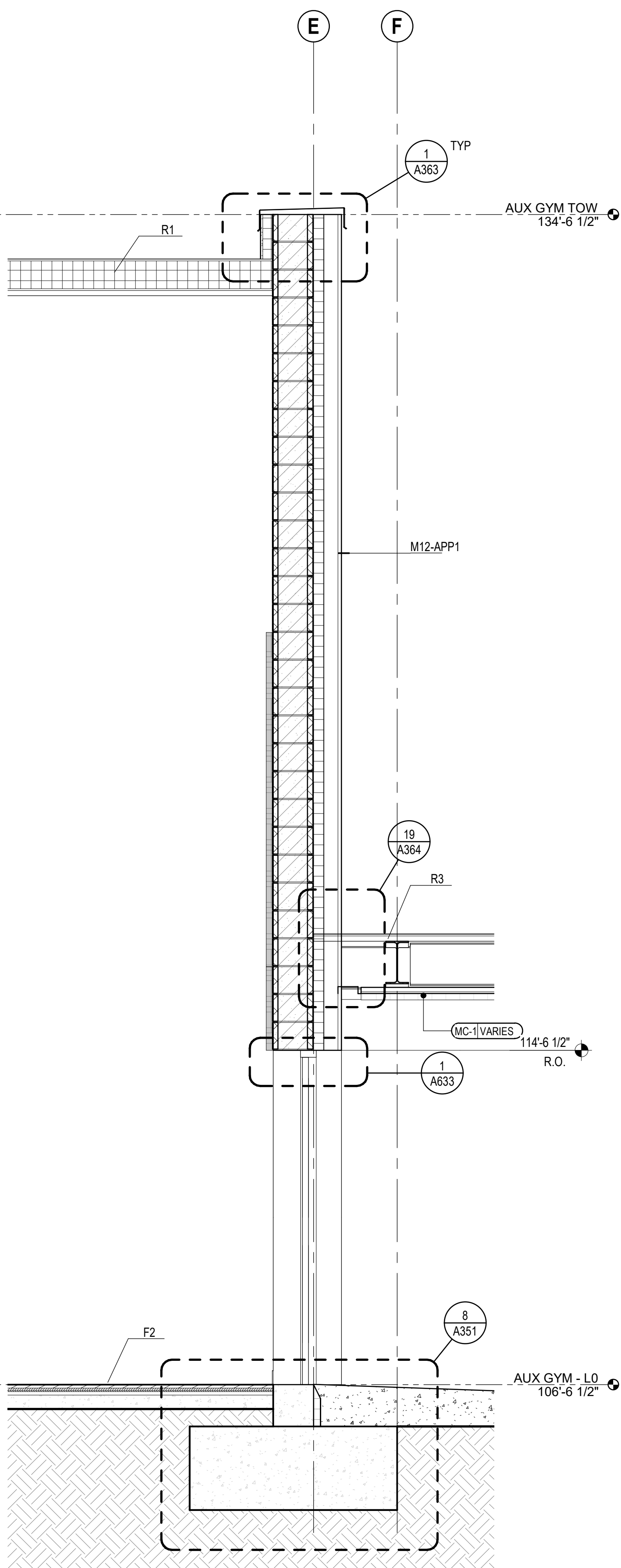
BID SET



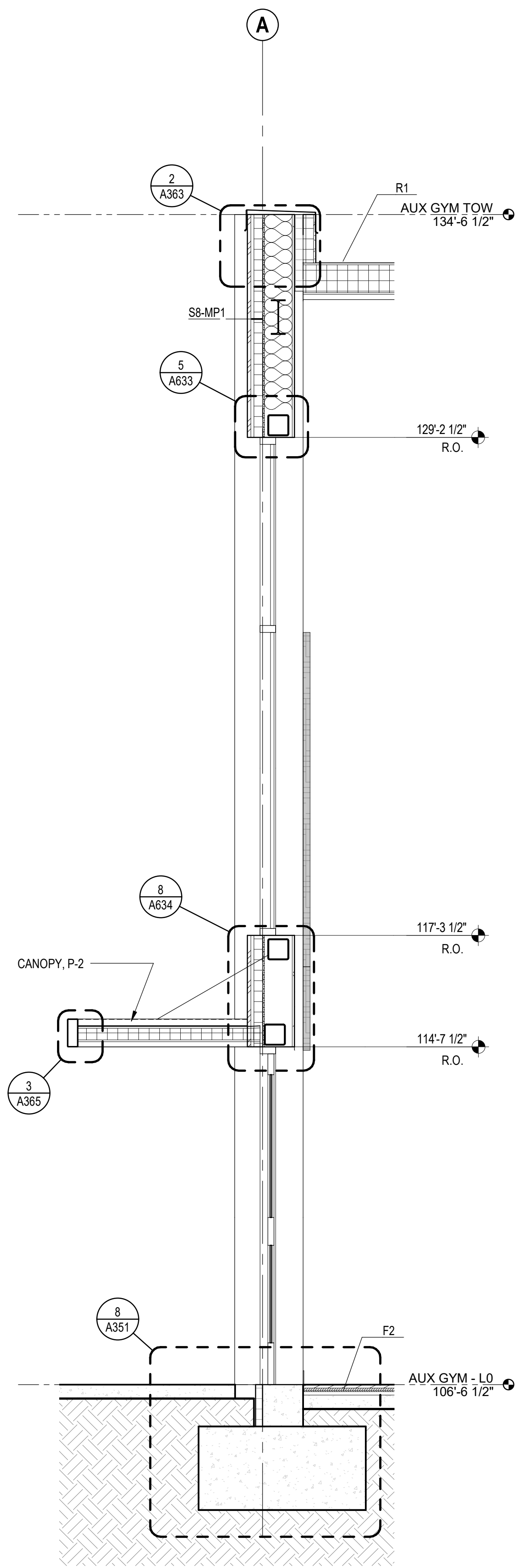
15 WALL SECTION - AUX GYM SOUTH ENTRY
SCALE: 1/2" = 1'-0"



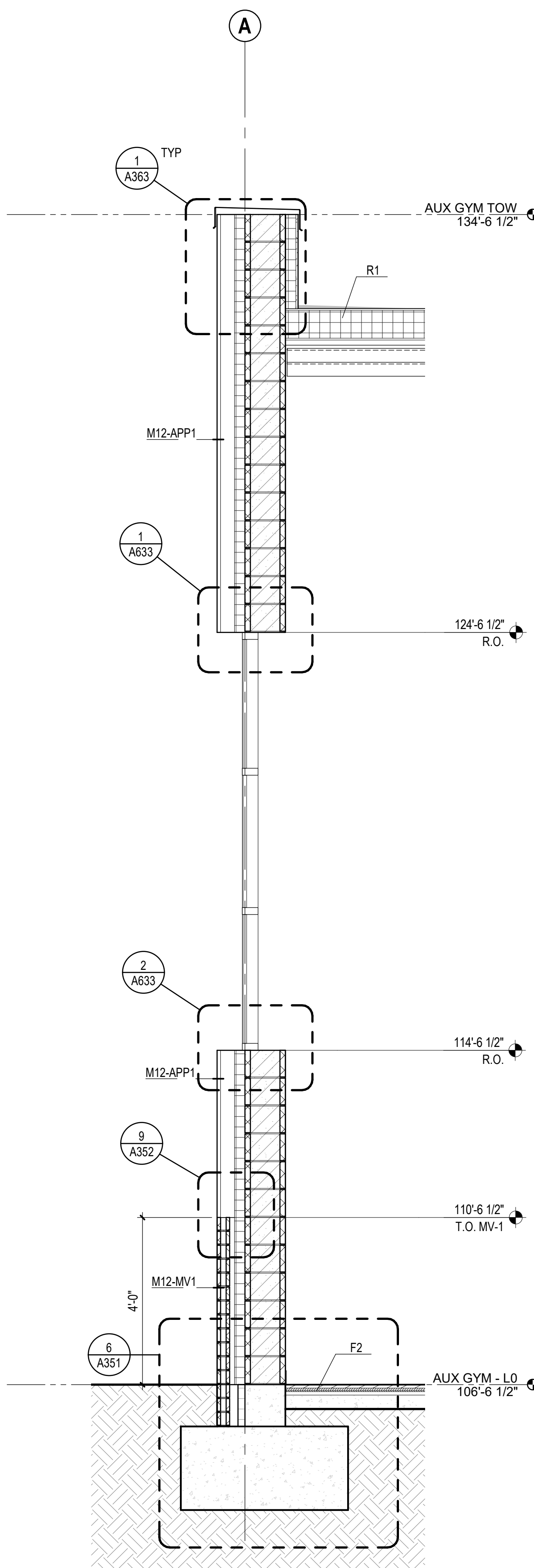
16 WALL SECTION - AUX GYM VEST. OVERHANG
SCALE: 1/2" = 1'-0"



17 WALL SECTION - AUX GYM SOUTH DOOR
SCALE: 1/2" = 1'-0"

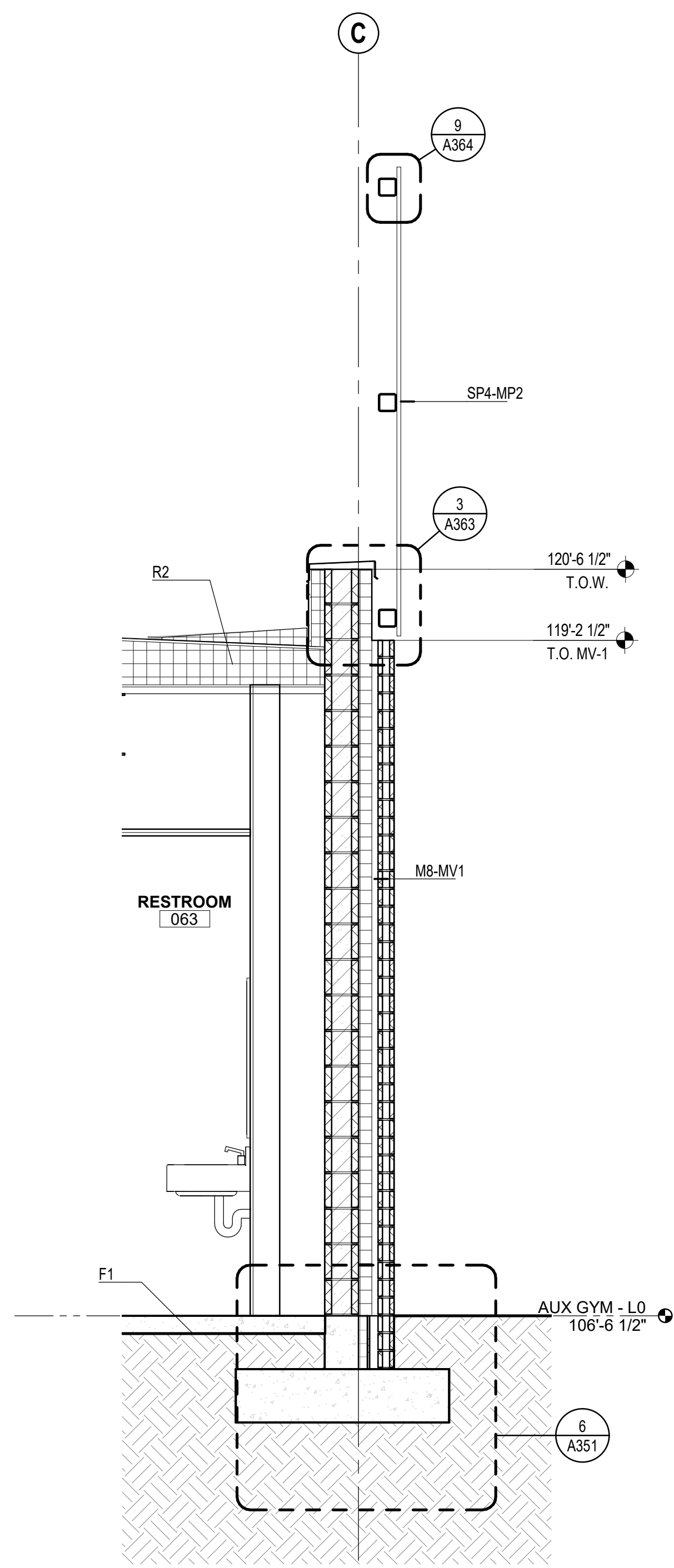


18 WALL SECTION - AUX GYM NORTH WINDOW
SCALE: 1/2" = 1'-0"

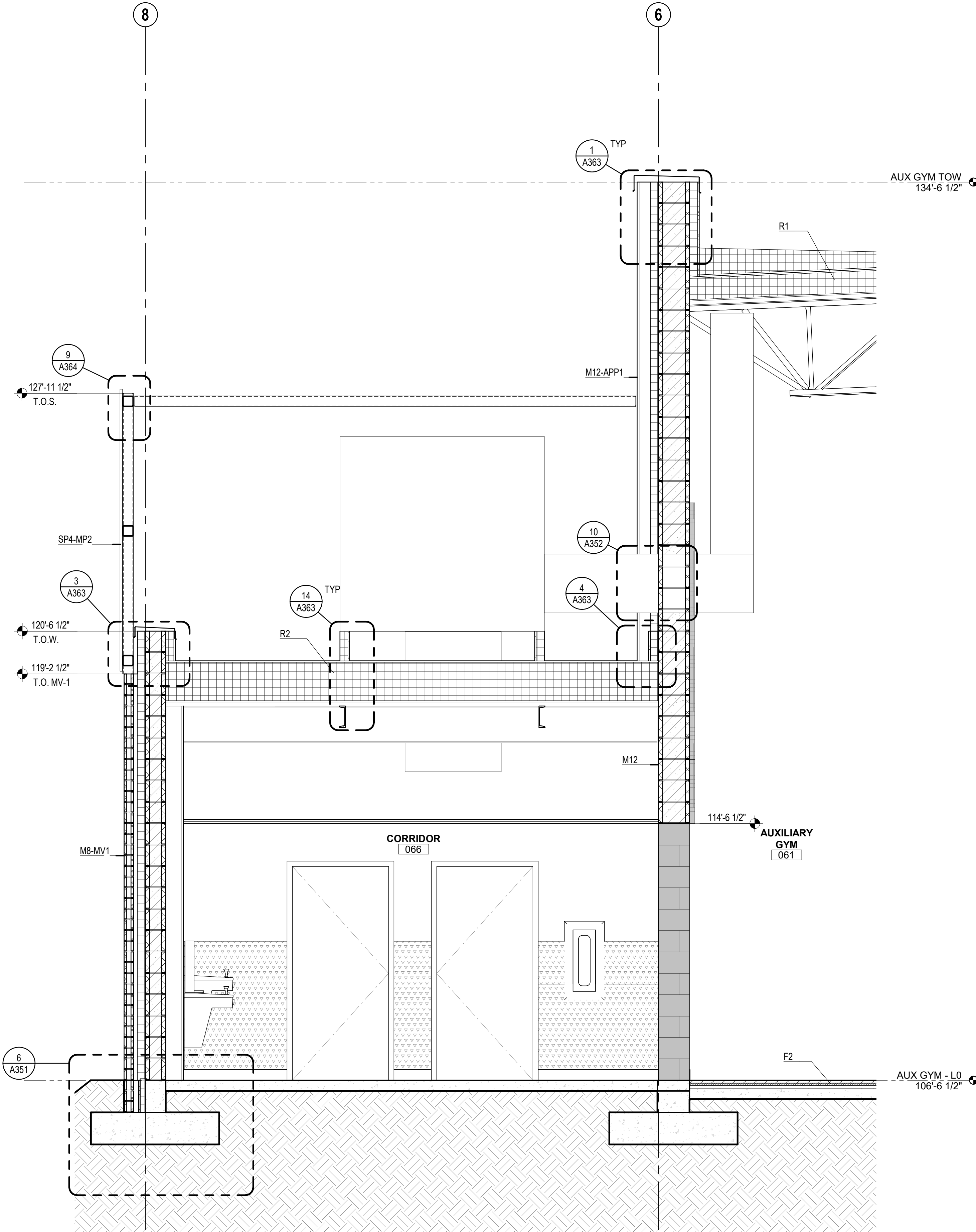


19 WALL SECTION - AUX GYM TYP. NORTH WALL
SCALE: 1/2" = 1'-0"

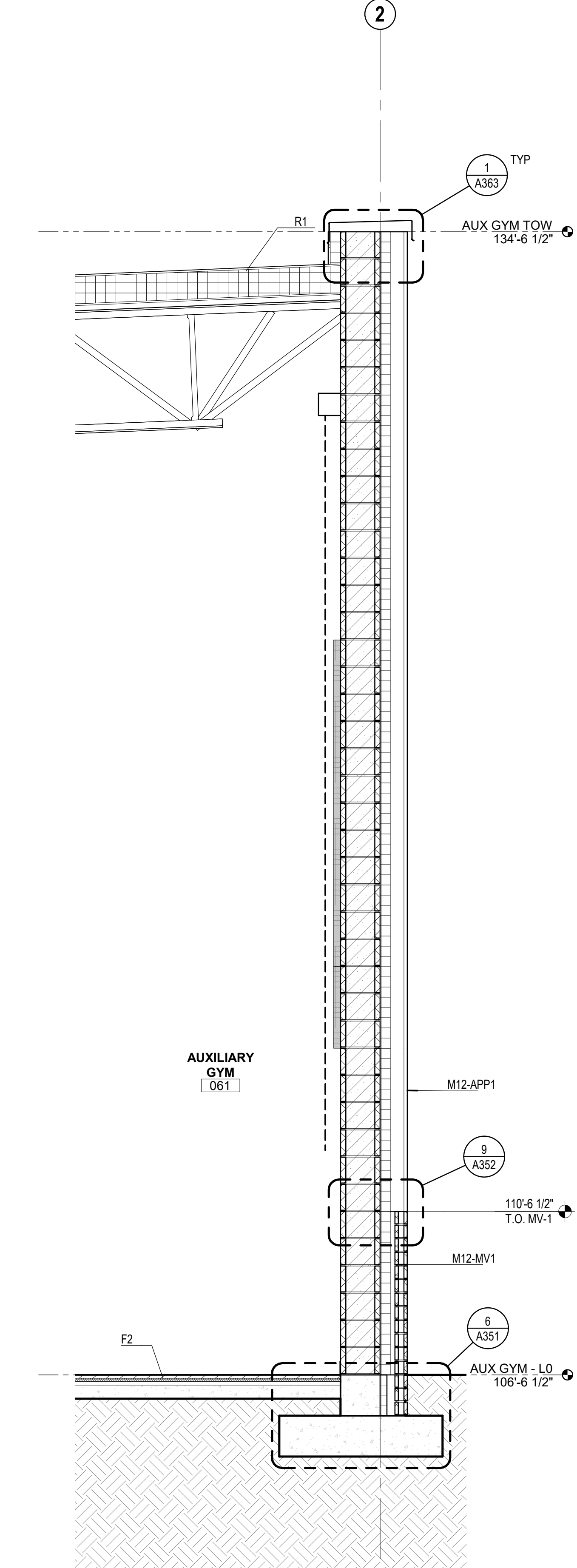
22 WALL SECTION - AUX GYM TYP SERVICE VOLUME
SCALE: 1/2" = 1'-0"



21 WALL SECTION - AUX GYM EAST
SCALE: 1/2" = 1'-0"



20 WALL SECTION - AUX GYM WEST
SCALE: 1/2" = 1'-0"

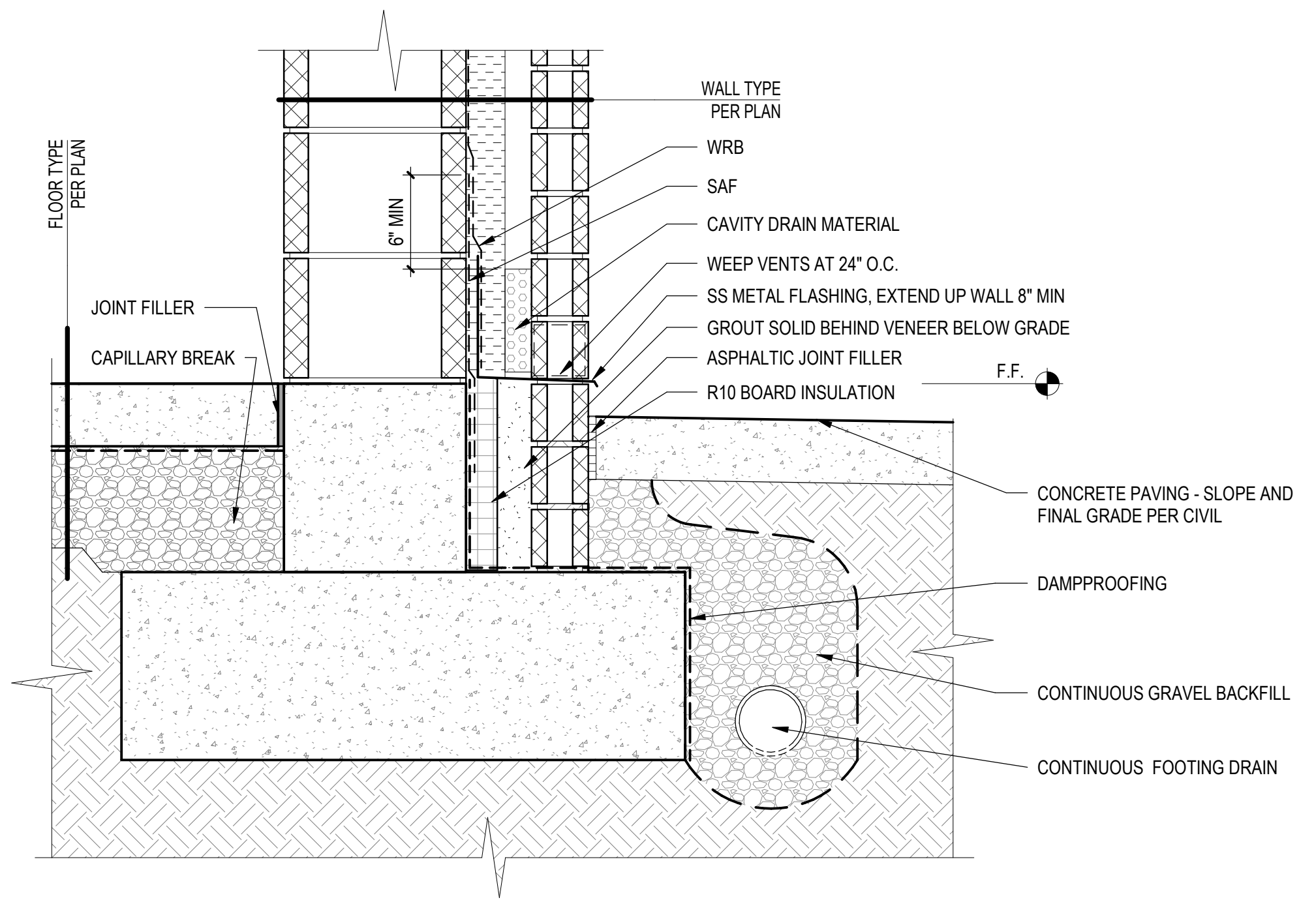


**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

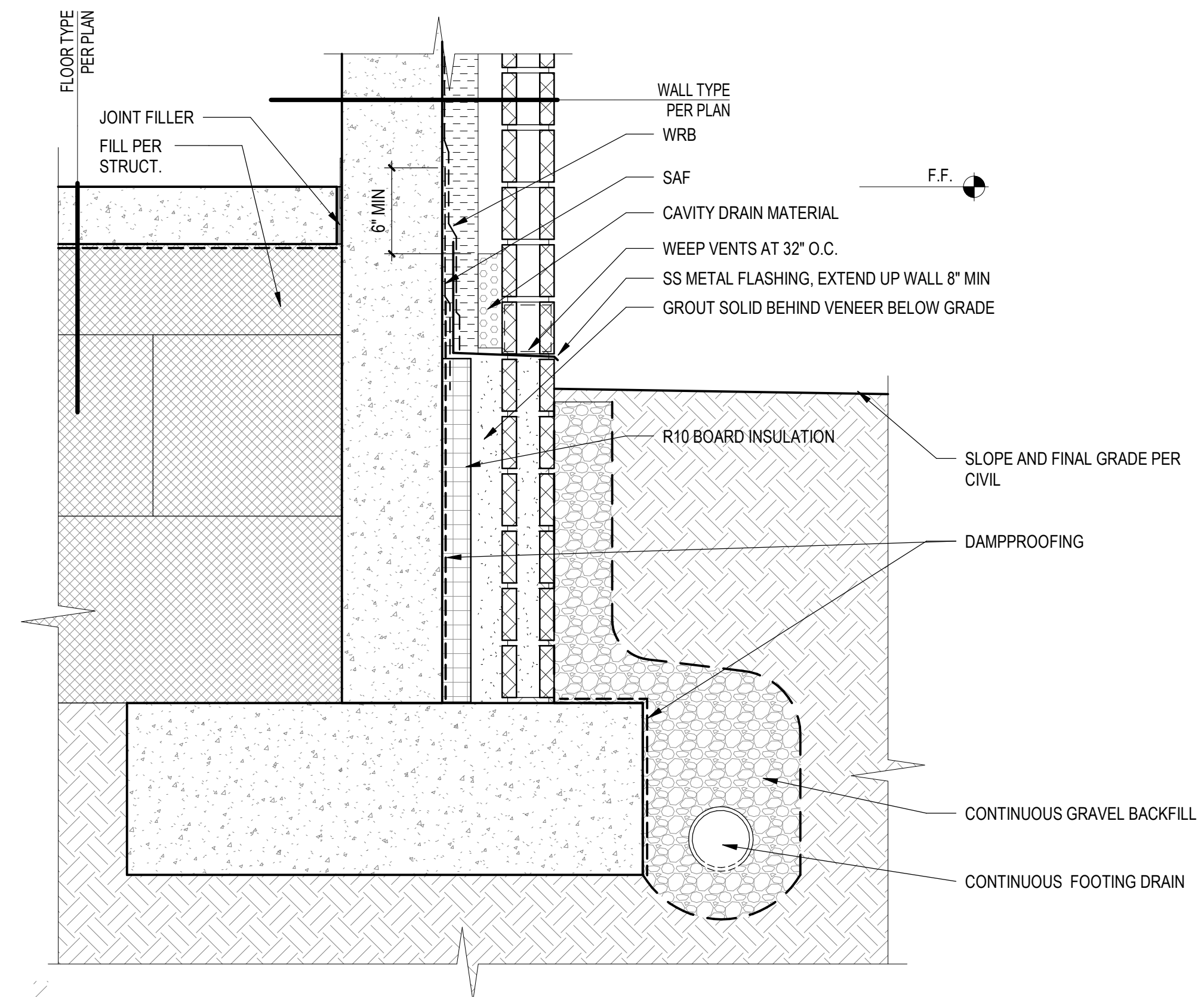
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

WALL SECTIONS
- BLDG. 1
ADDITION

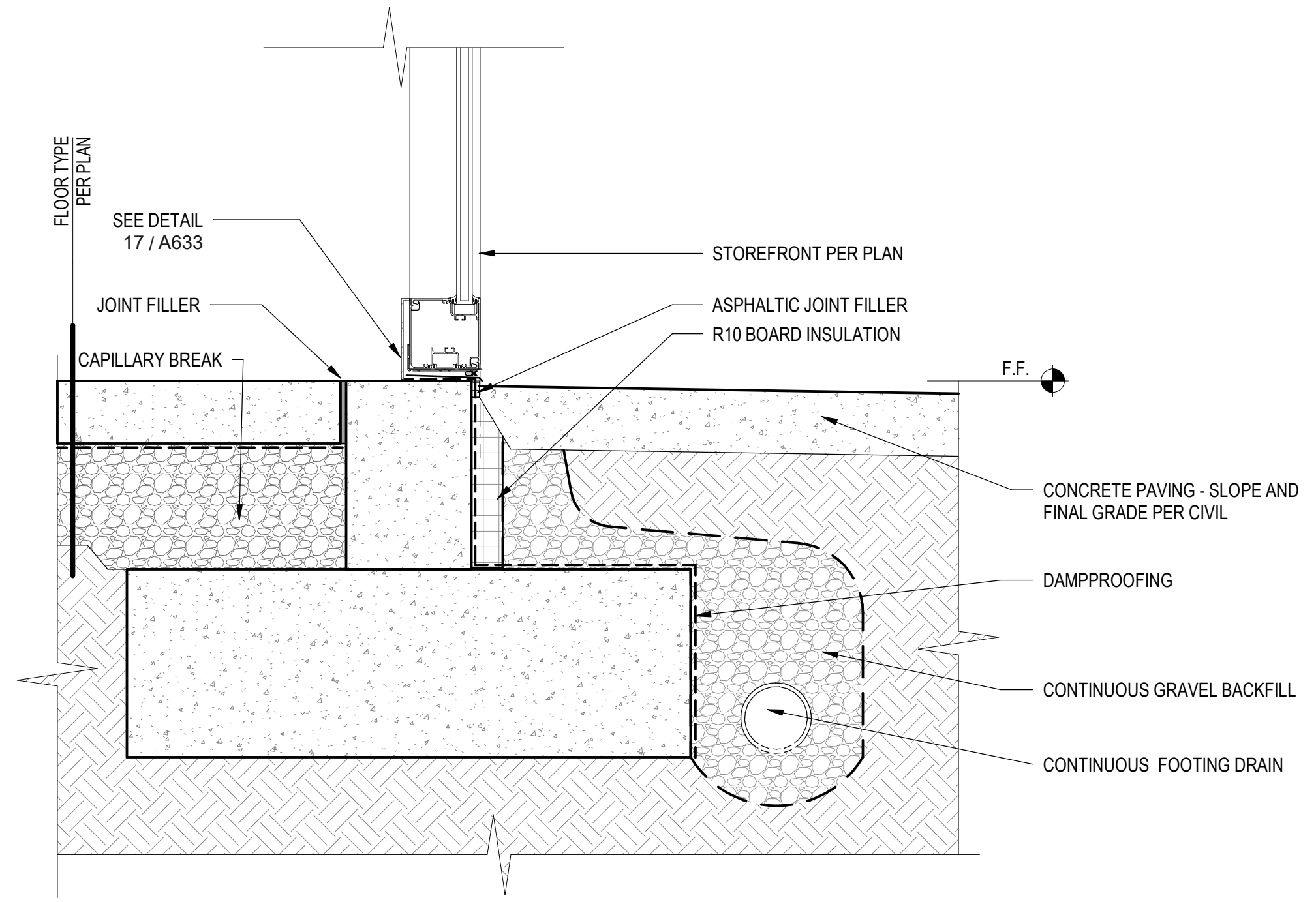
A324



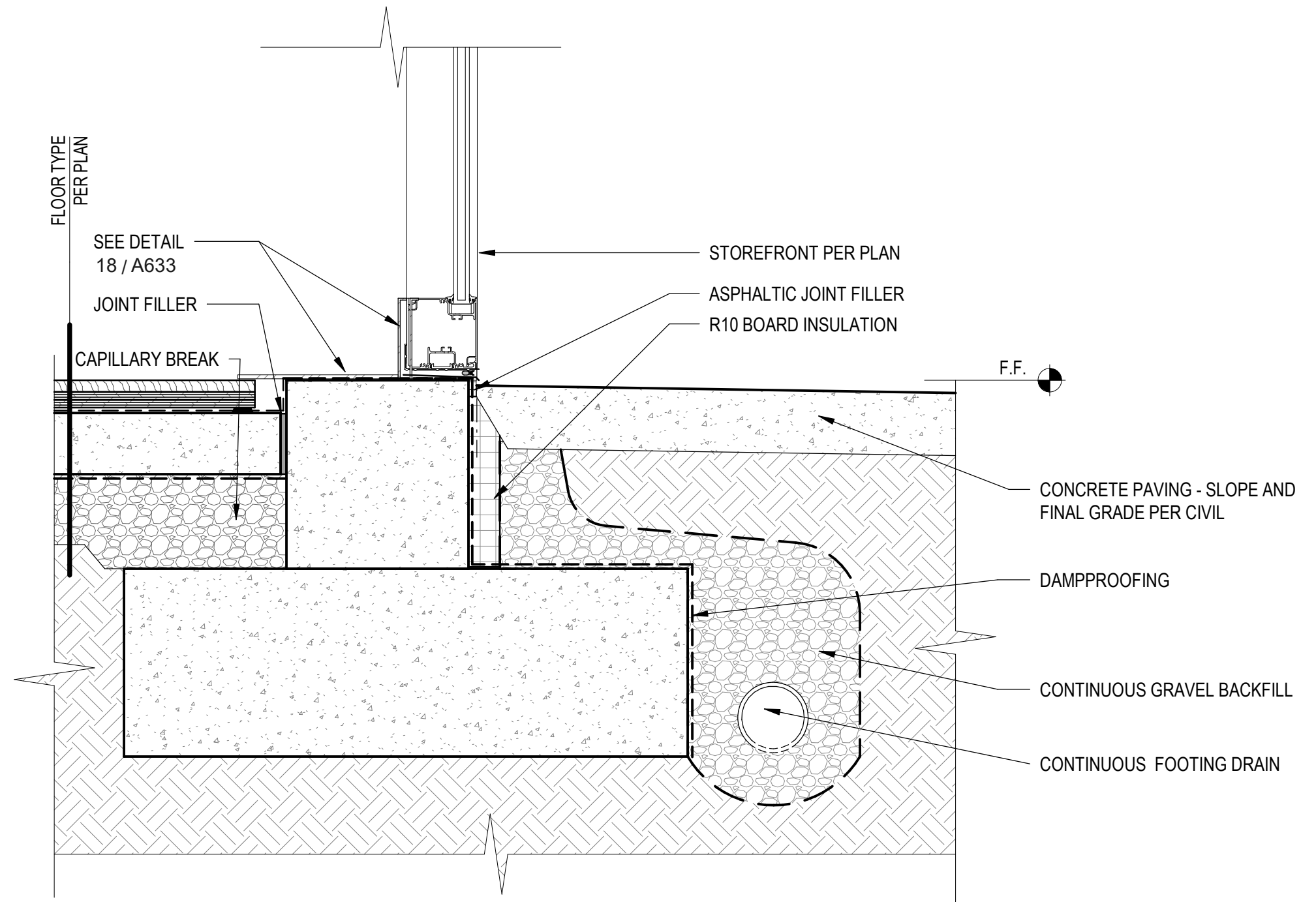
6 FOUNDATION AT MV1
SCALE: 1 1/2" = 1'-0"



7 FOUNDATION AT C7-MV1
SCALE: 1 1/2" = 1'-0"



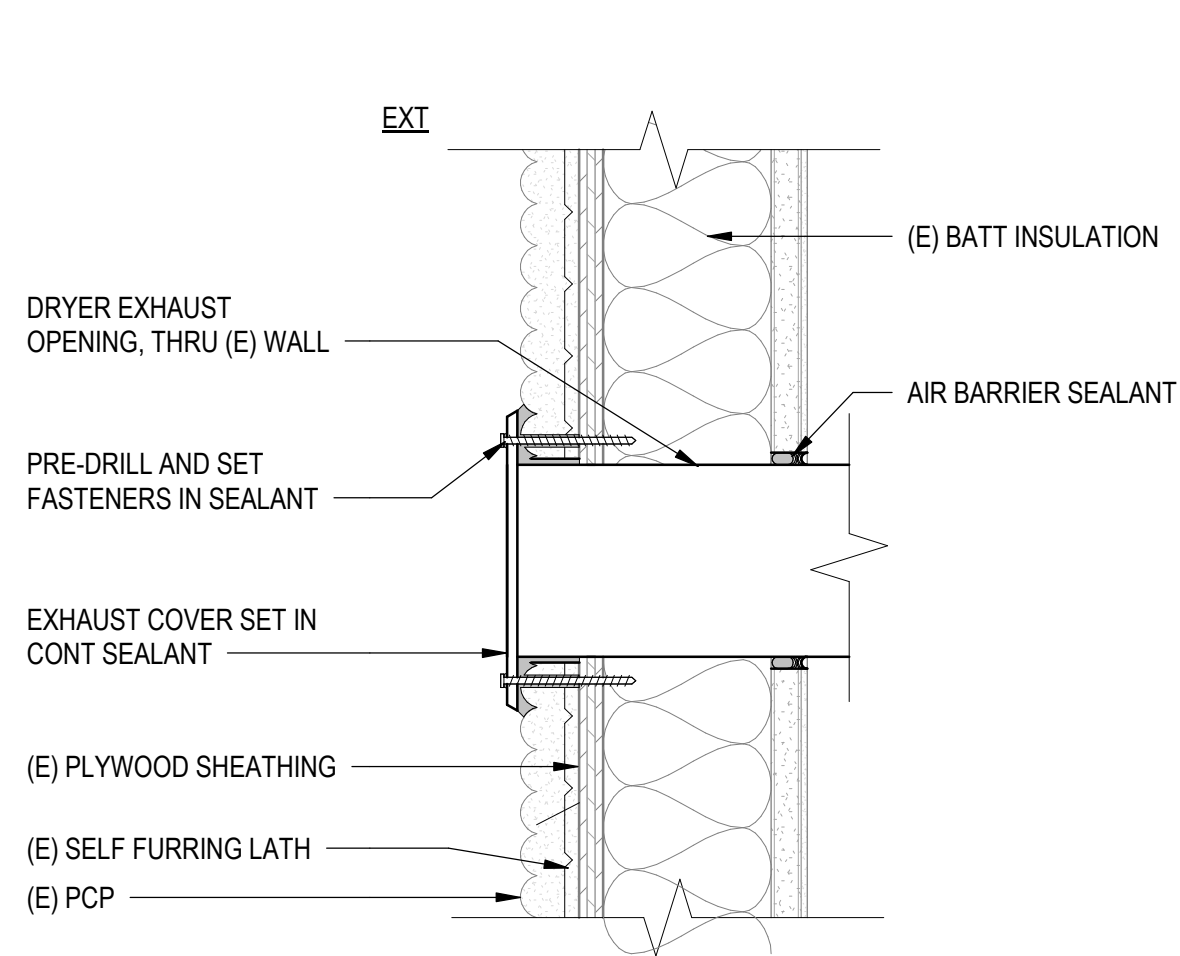
12 FOUNDATION AT VESTIBULE STOREFRONT
SCALE: 1 1/2" = 1'-0"



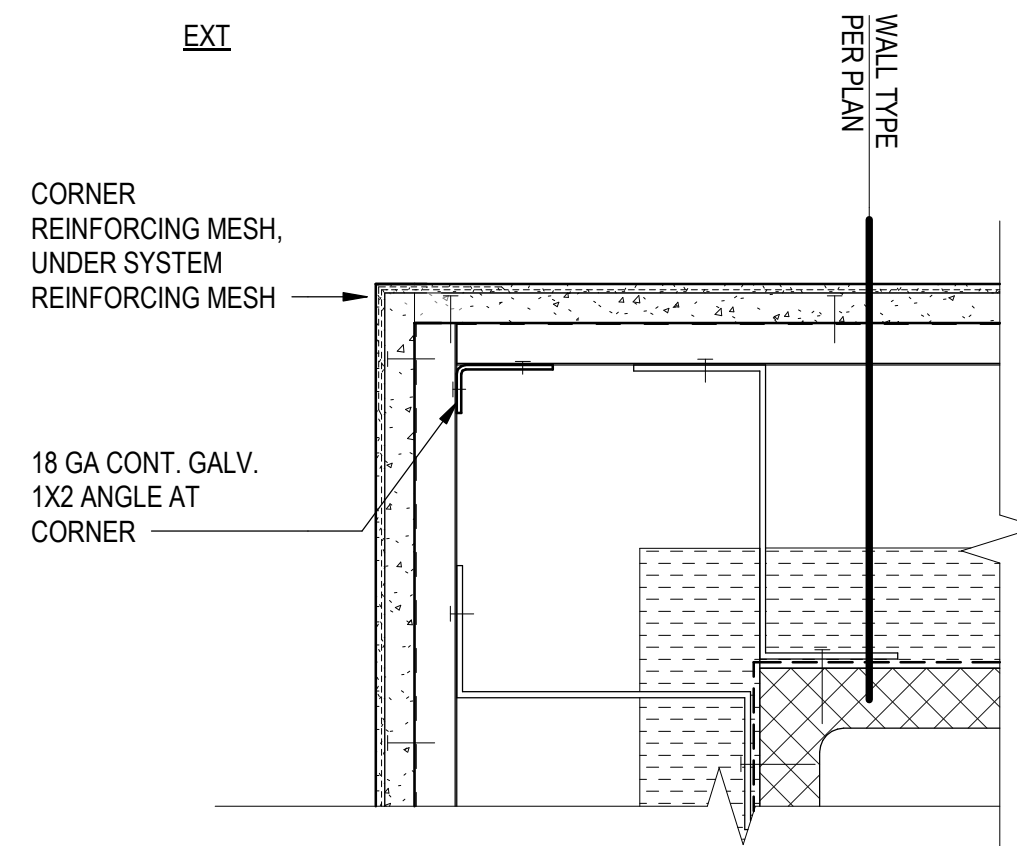
8 FOUNDATION AT GYM STOREFRONT
SCALE: 1 1/2" = 1'-0"

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

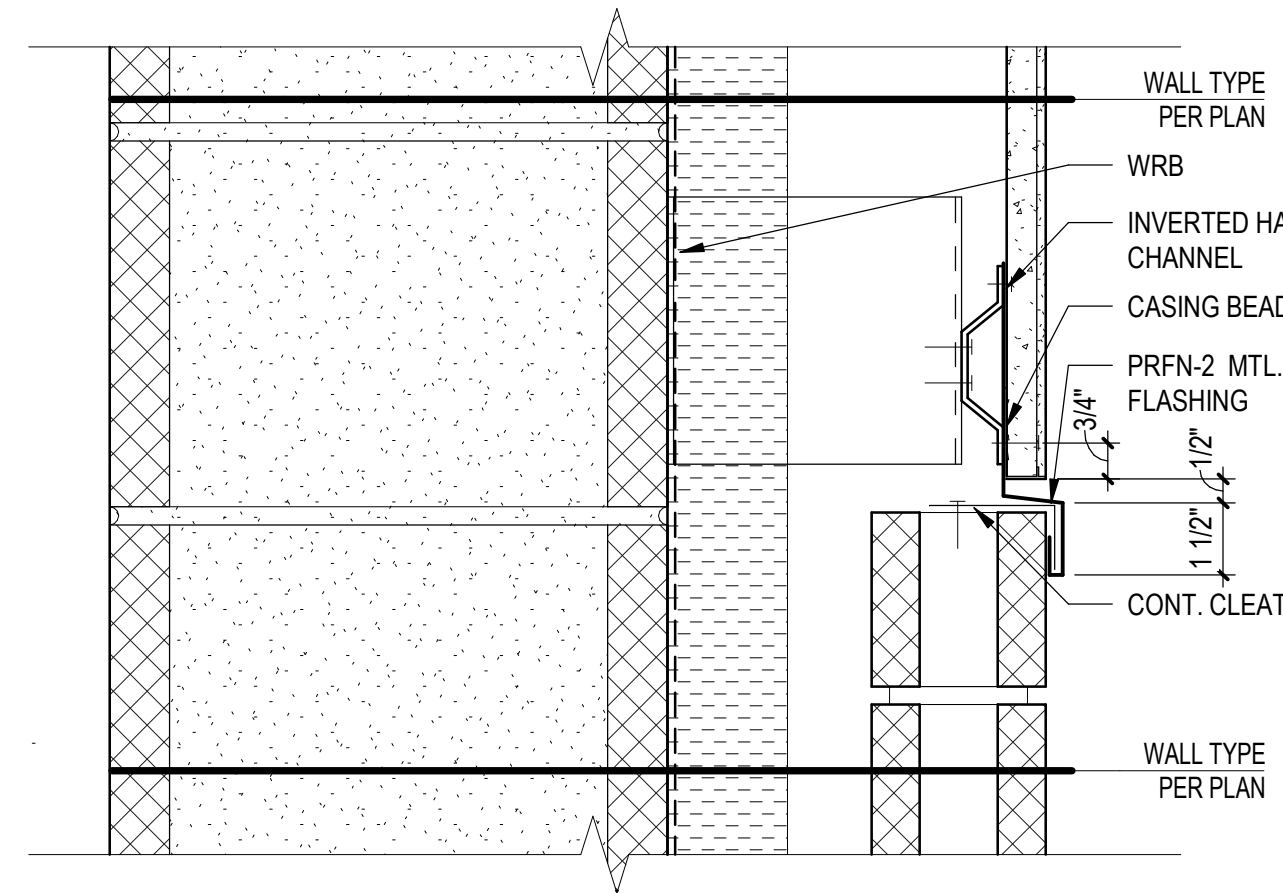
DETAILS -
FOUNDATION



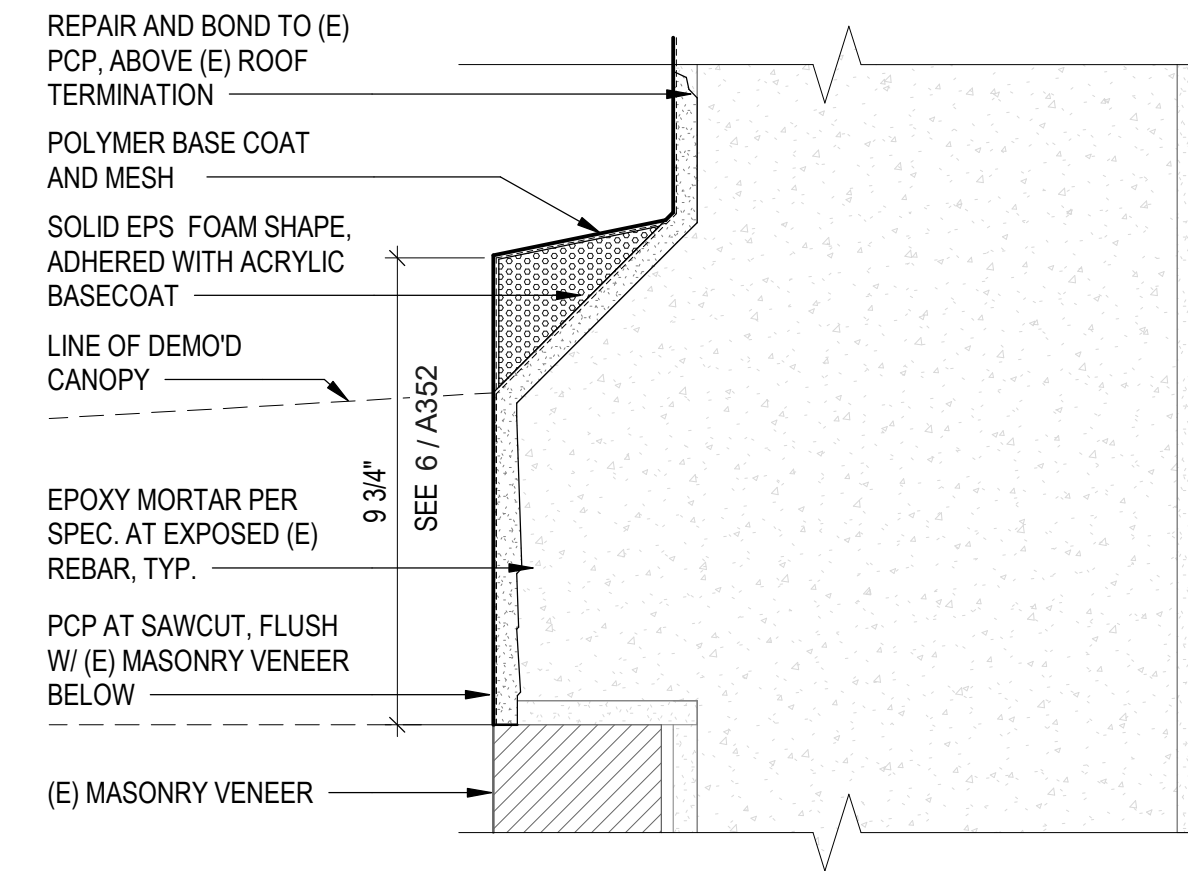
17 PLAN - EXHAUST AT (E) WOOD INFILL
SCALE: 3" = 1'-0"



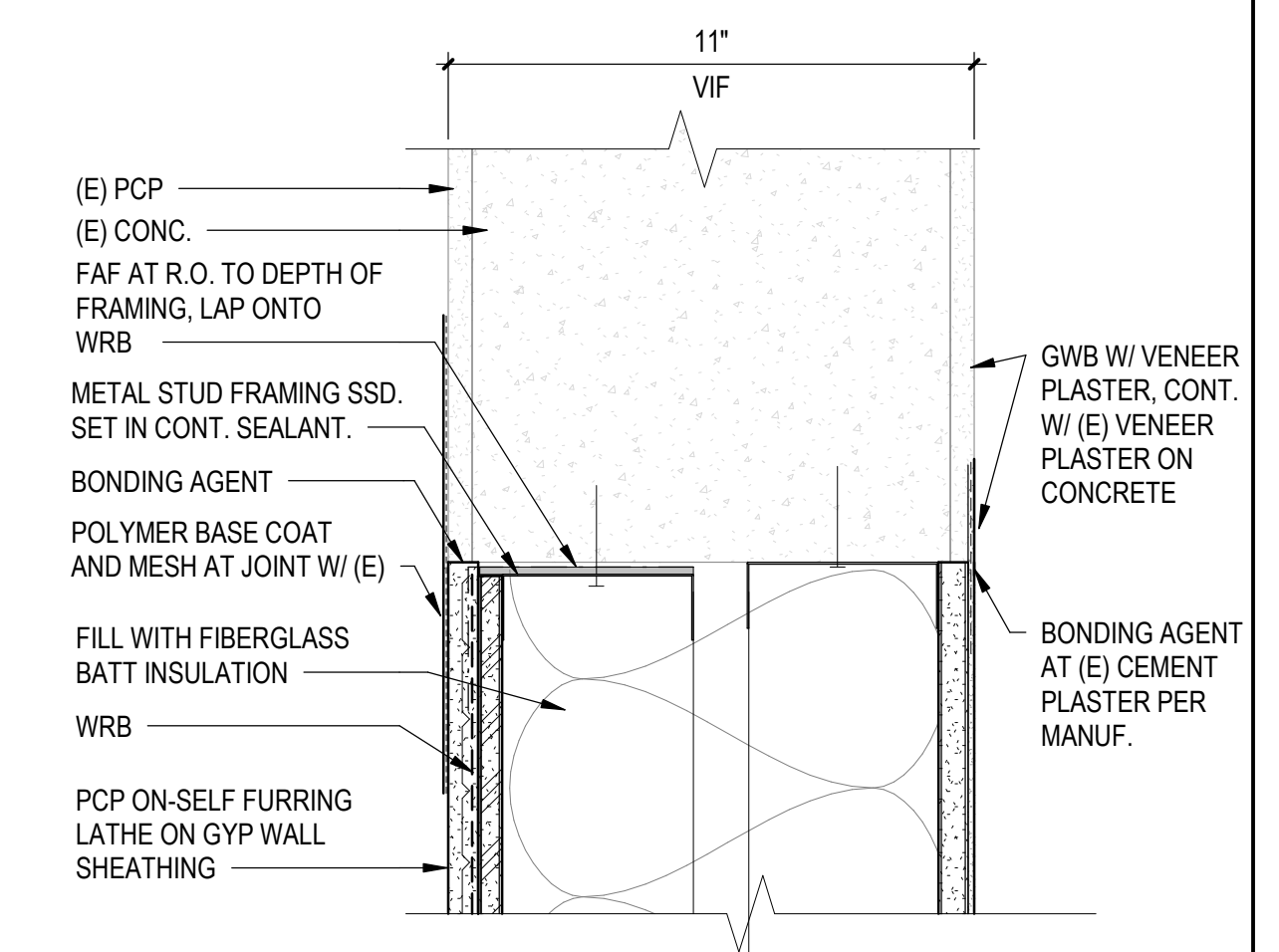
13 PLAN - APP-1 OUTSIDE CORNER
SCALE: 3" = 1'-0"



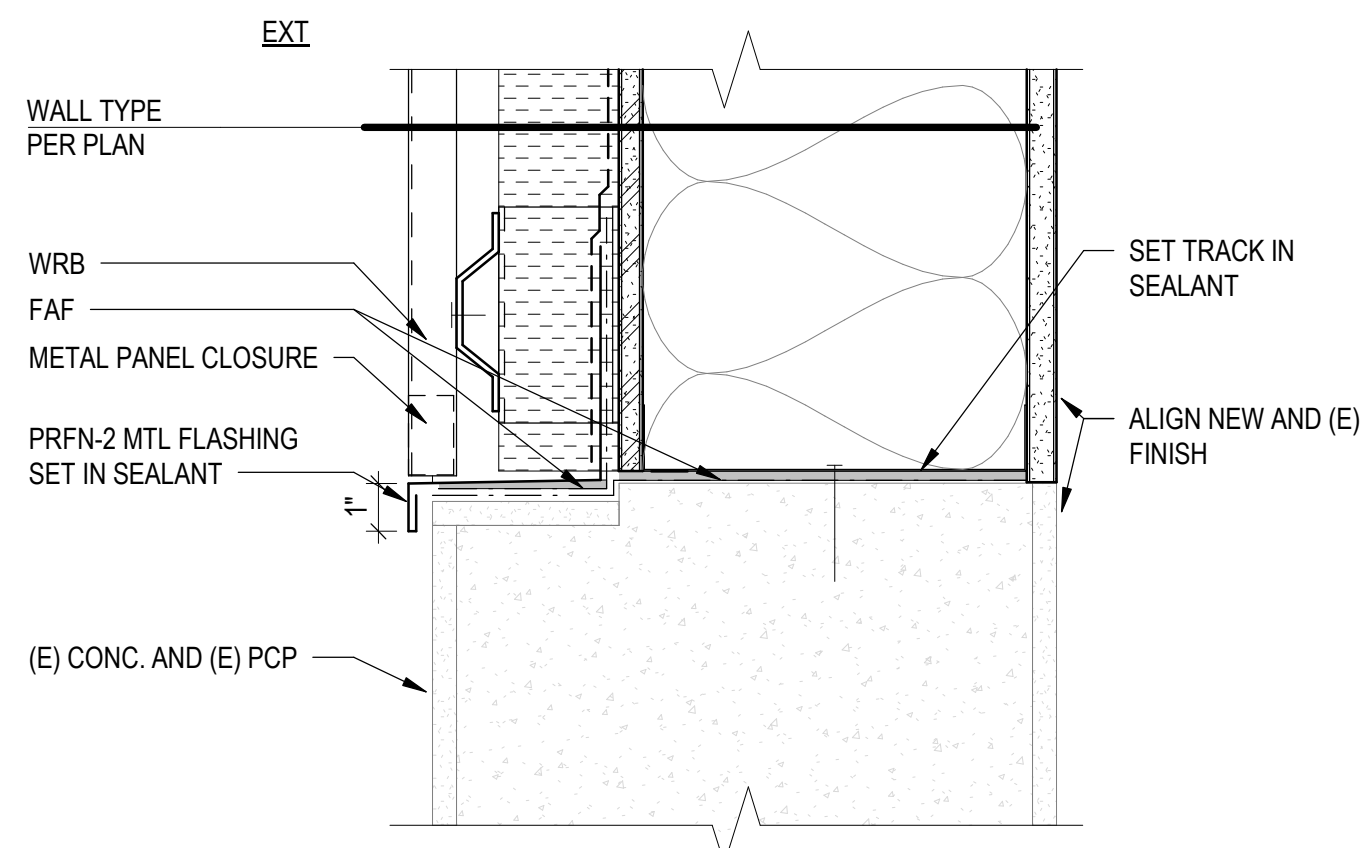
9 VERT. TRANSITION - APP-1 TO MV-1
SCALE: 3" = 1'-0"



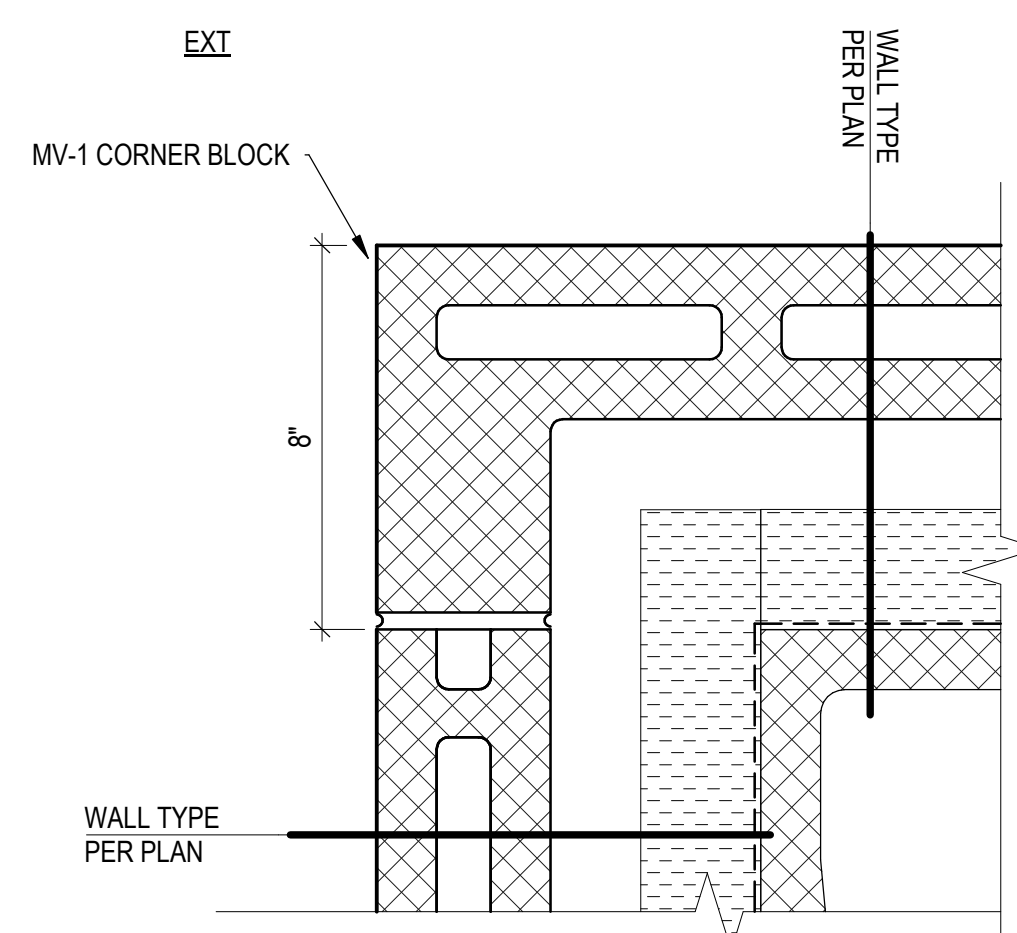
5 VERT. CUT BACK (E) CONC. CANOPY
SCALE: 3" = 1'-0"



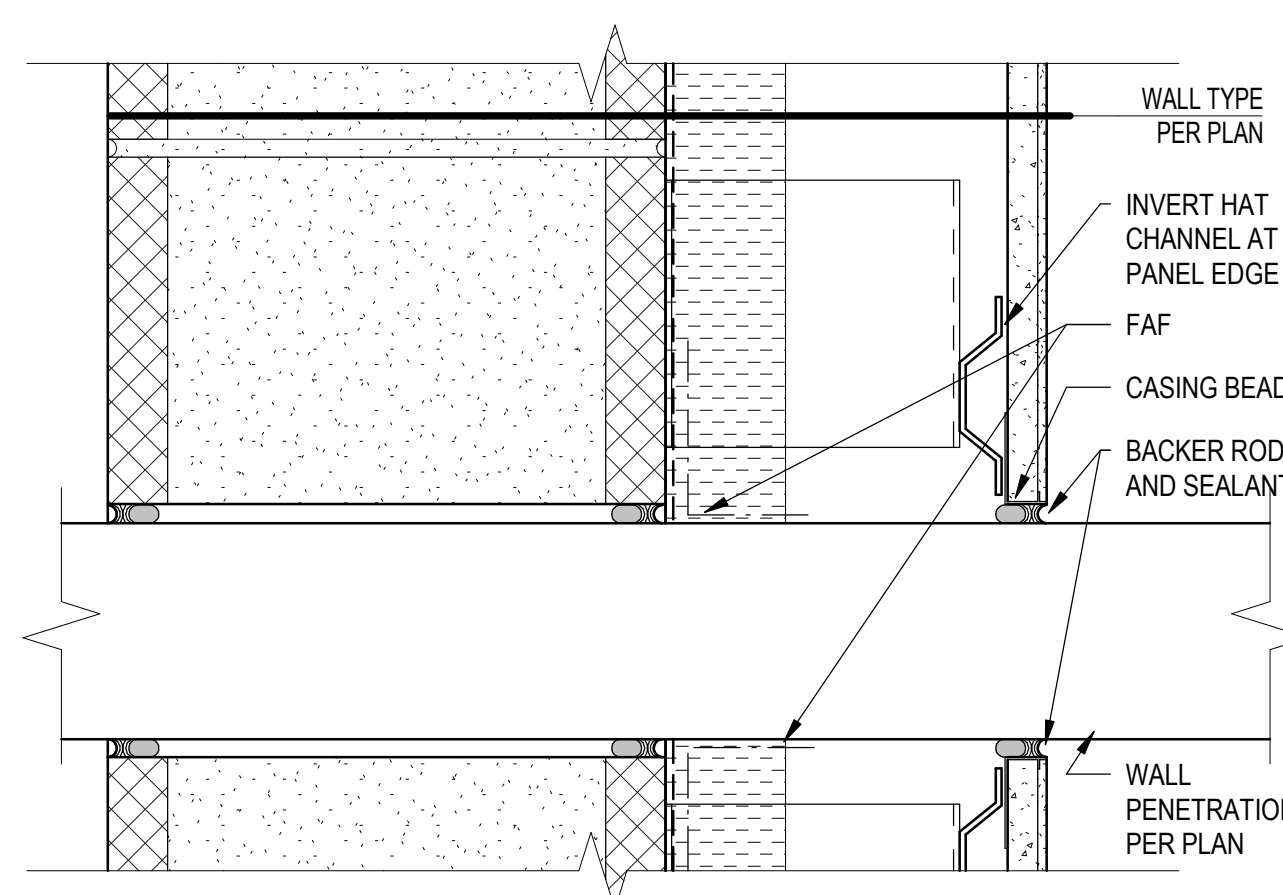
1 INFILL HEAD/JAMB
SCALE: 3" = 1'-0"



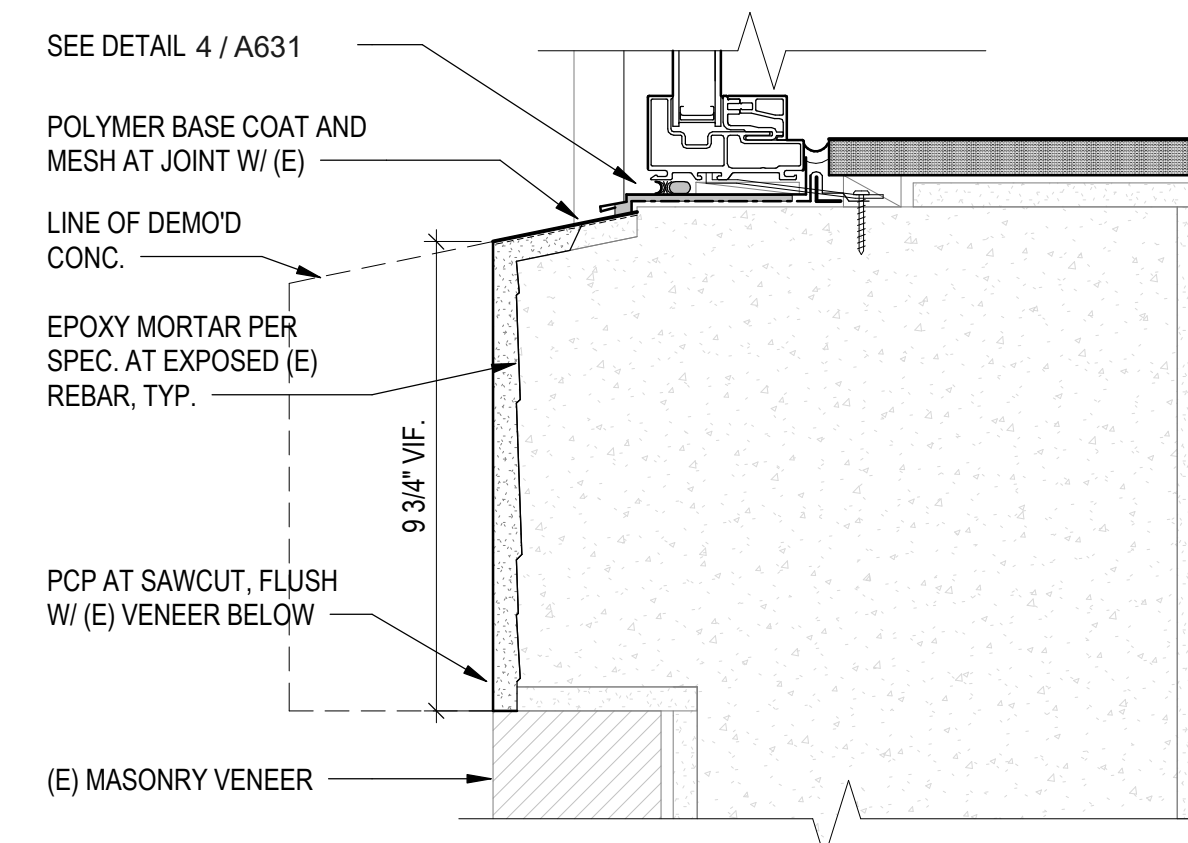
18 VERT. TRANSITION - MP-2 TO (E) PCP
SCALE: 3" = 1'-0"



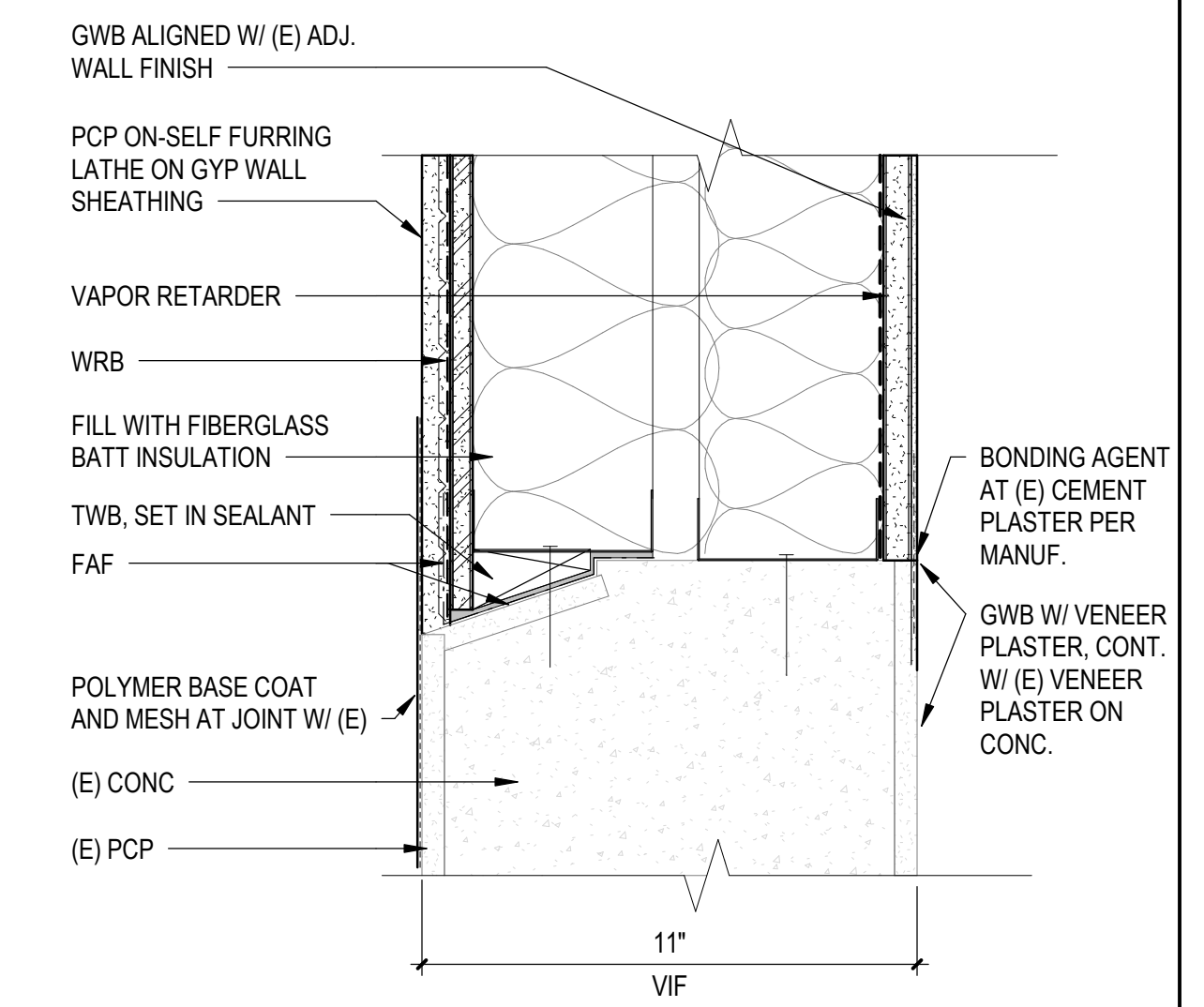
14 PLAN - MV-1 OUTSIDE CORNER
SCALE: 3" = 1'-0"



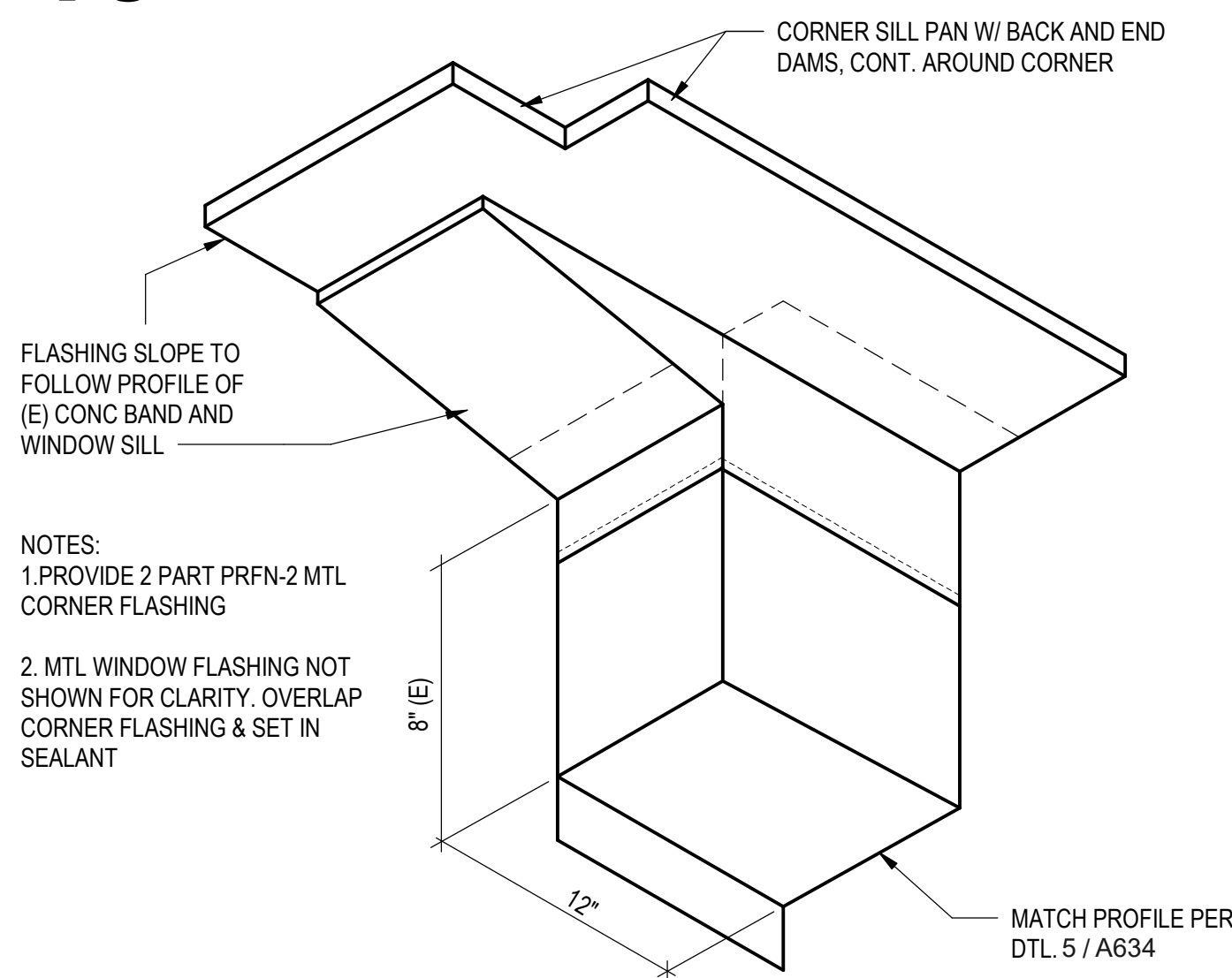
10 WALL PENETRATION - APP-1
SCALE: 3" = 1'-0"



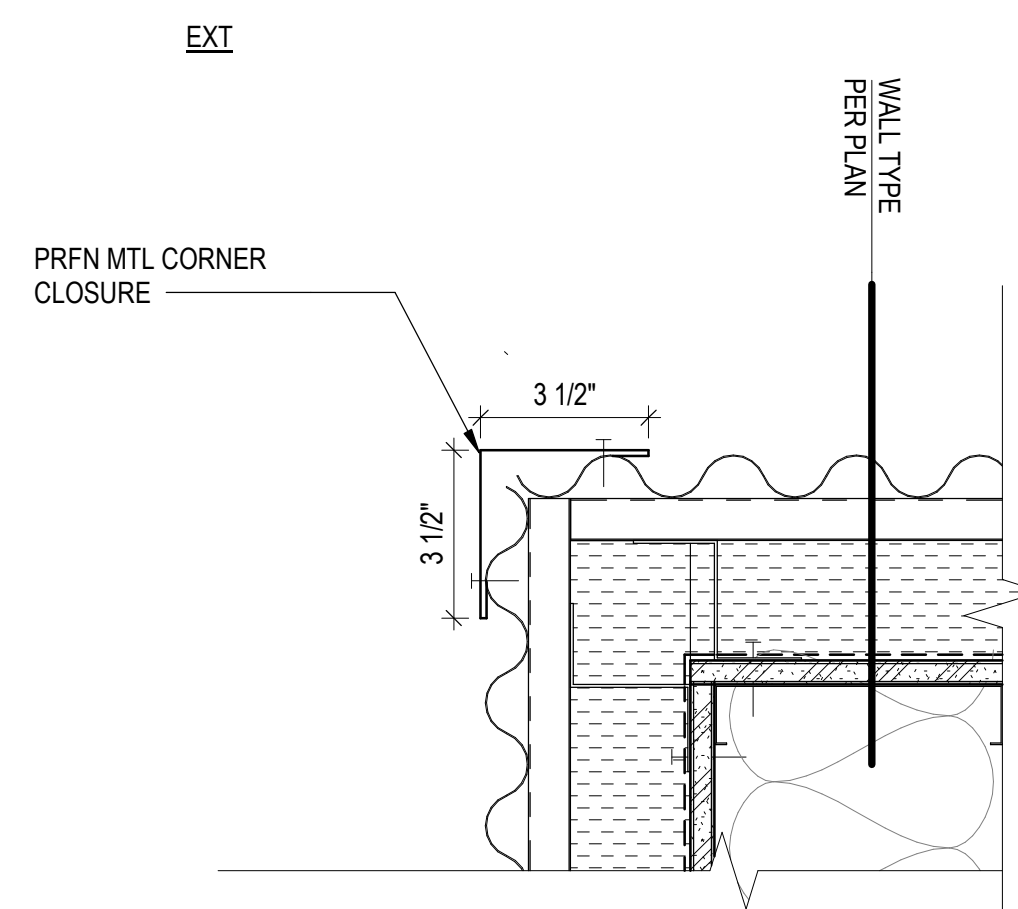
6 VERT. CUT (E) CONC. BAND
SCALE: 3" = 1'-0"



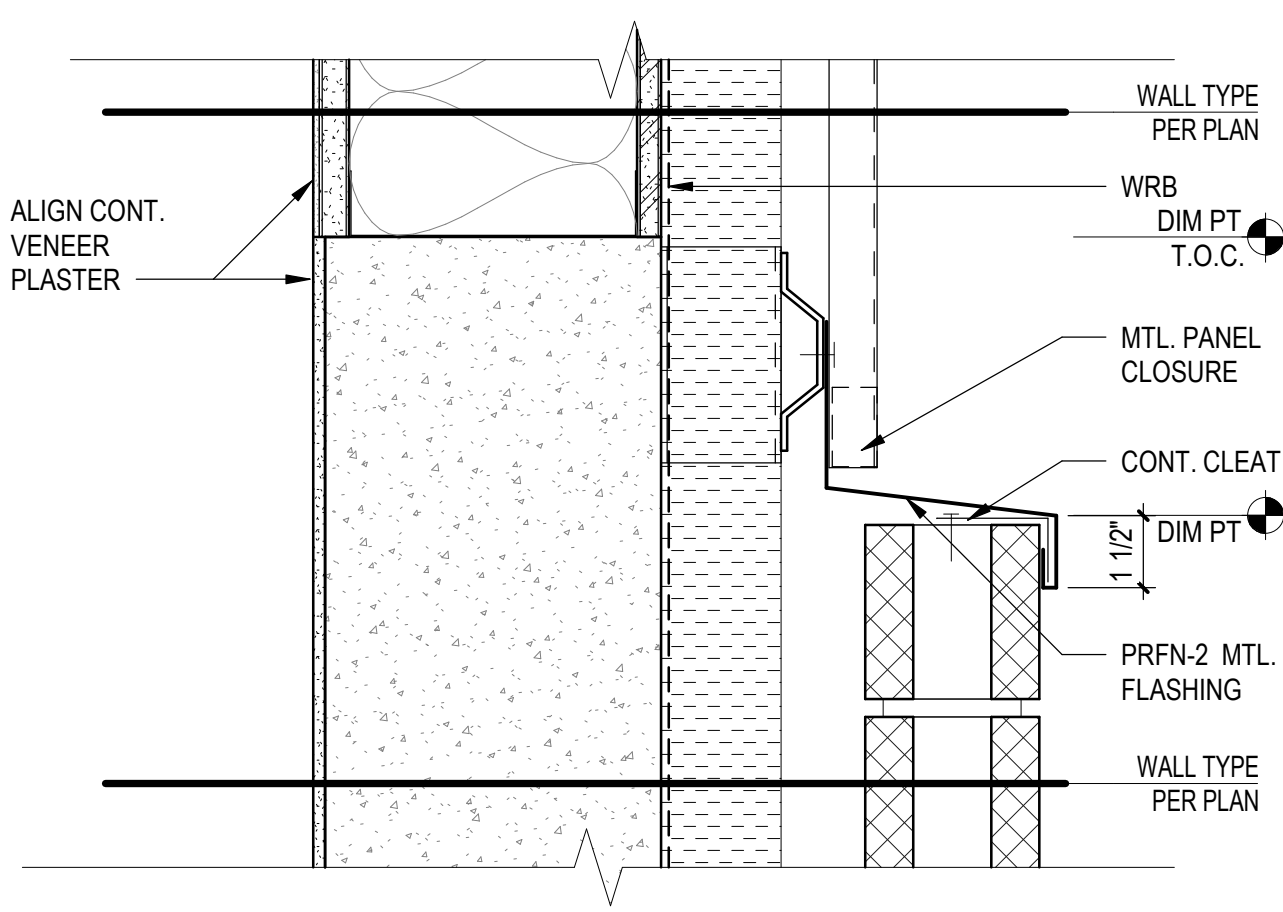
2 INFILL SILL
SCALE: 3" = 1'-0"



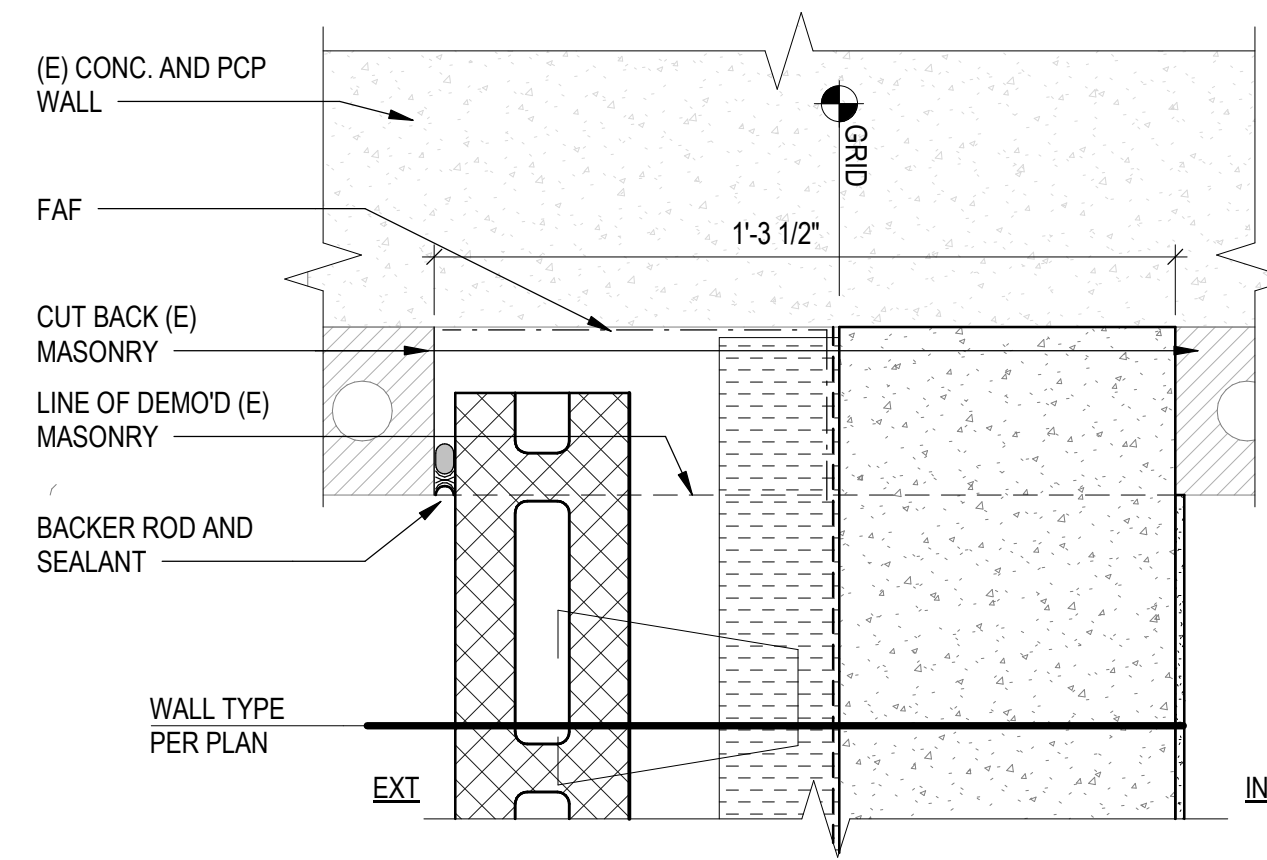
19 CORNER FLASHING AT VESTIBULE
SCALE: 3" = 1'-0"



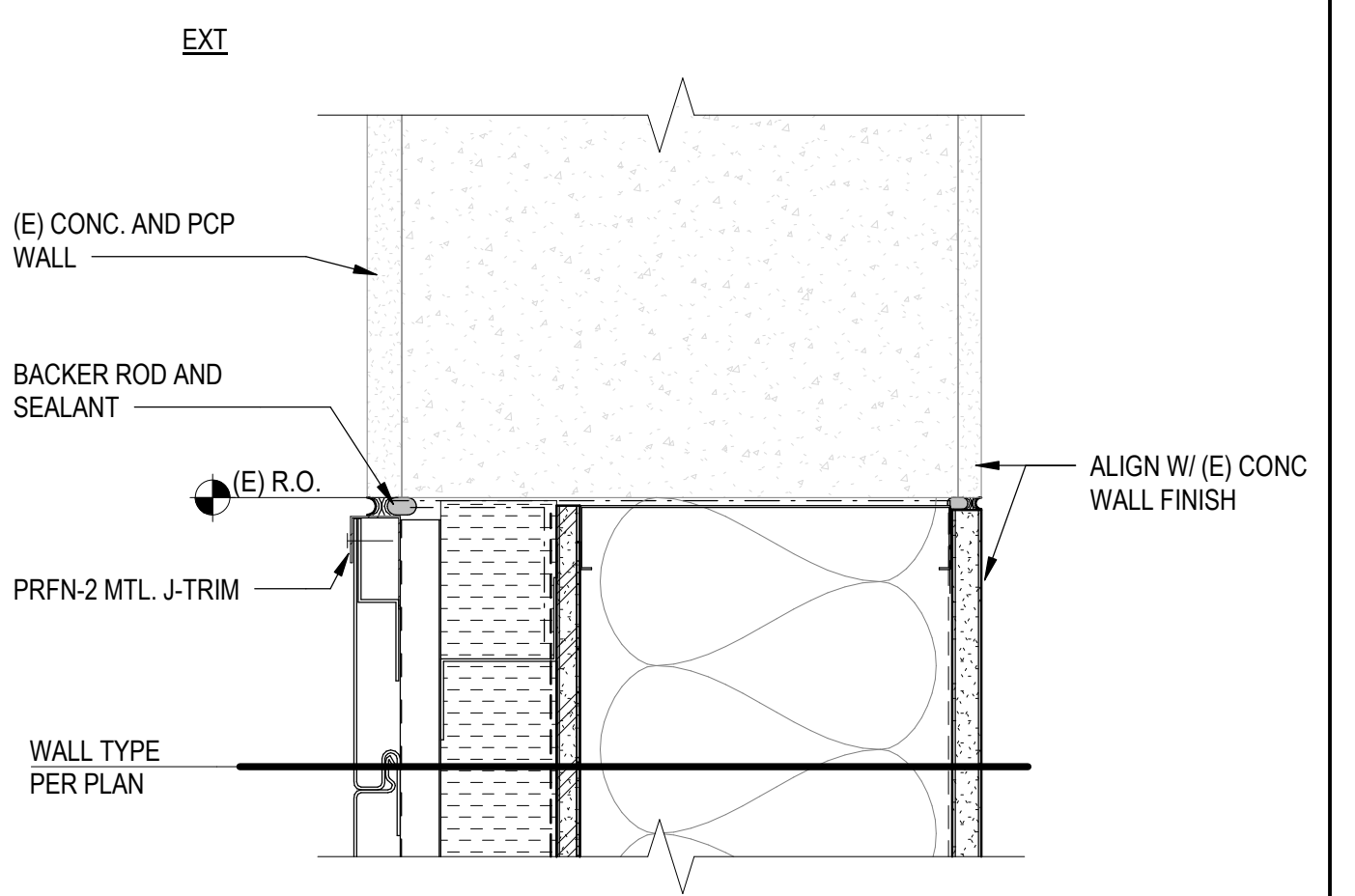
15 PLAN - MP-2 OUTSIDE CORNER
SCALE: 3" = 1'-0"



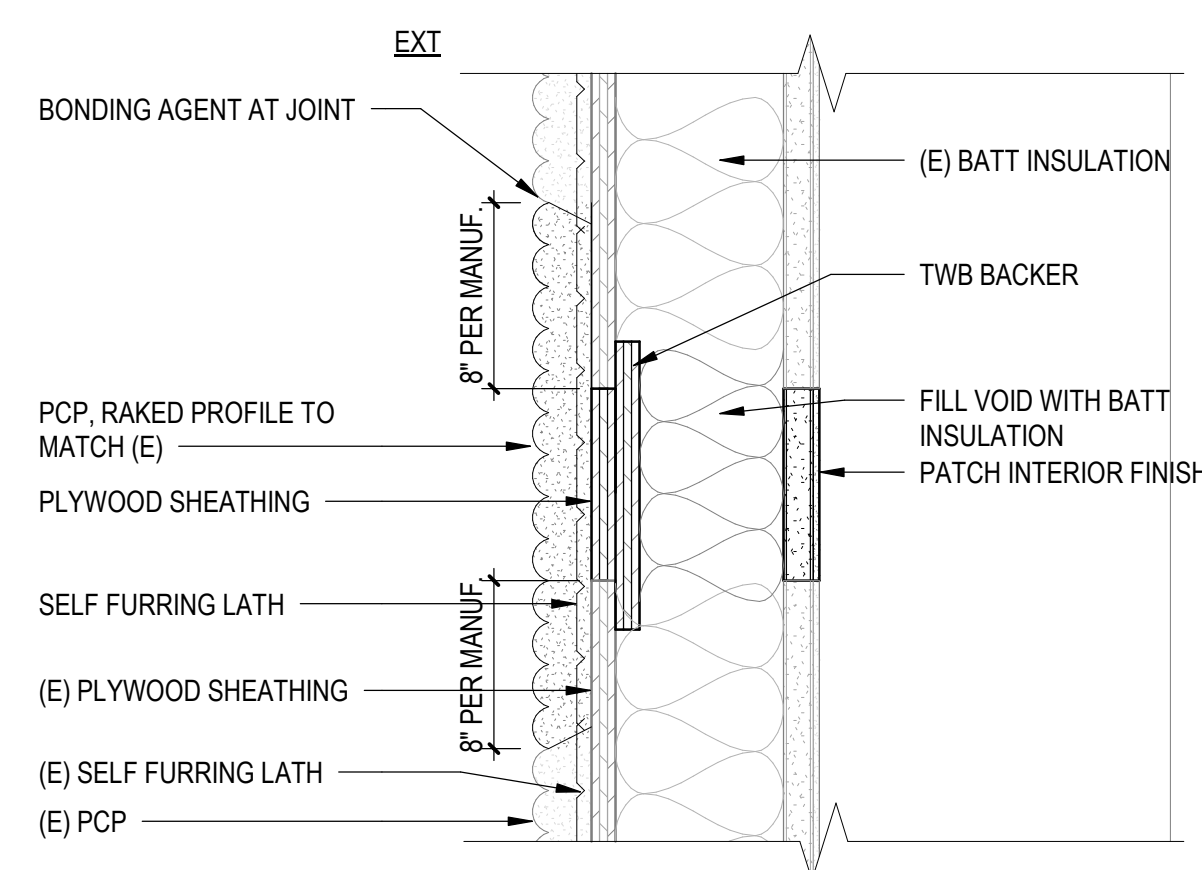
11 VERT. TRANSITION - MP-2 TO MV-1
SCALE: 3" = 1'-0"



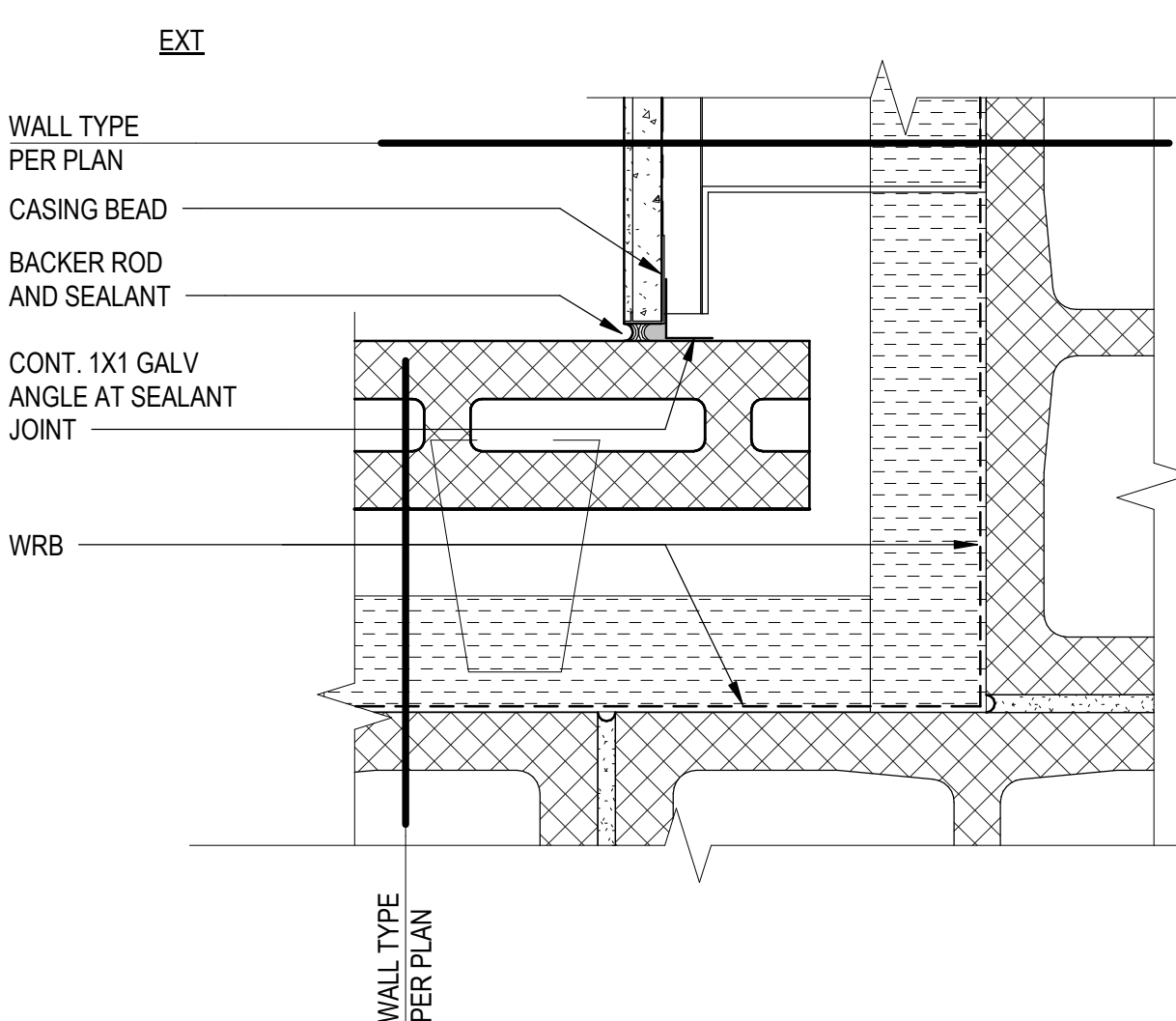
7 PLAN - MV-1 TO (E) CONC.
SCALE: 3" = 1'-0"



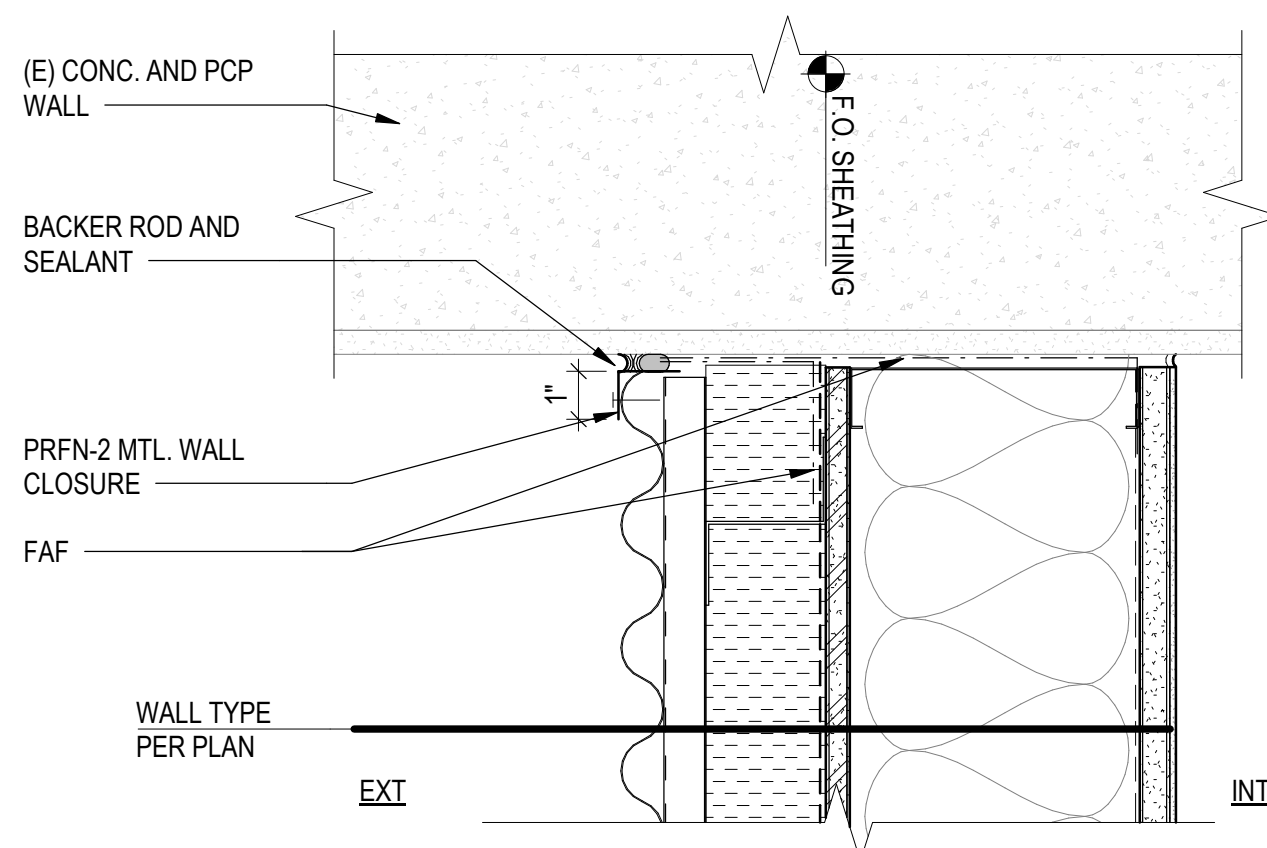
3 PLAN - (E) CONC. TO MP-1
SCALE: 3" = 1'-0"



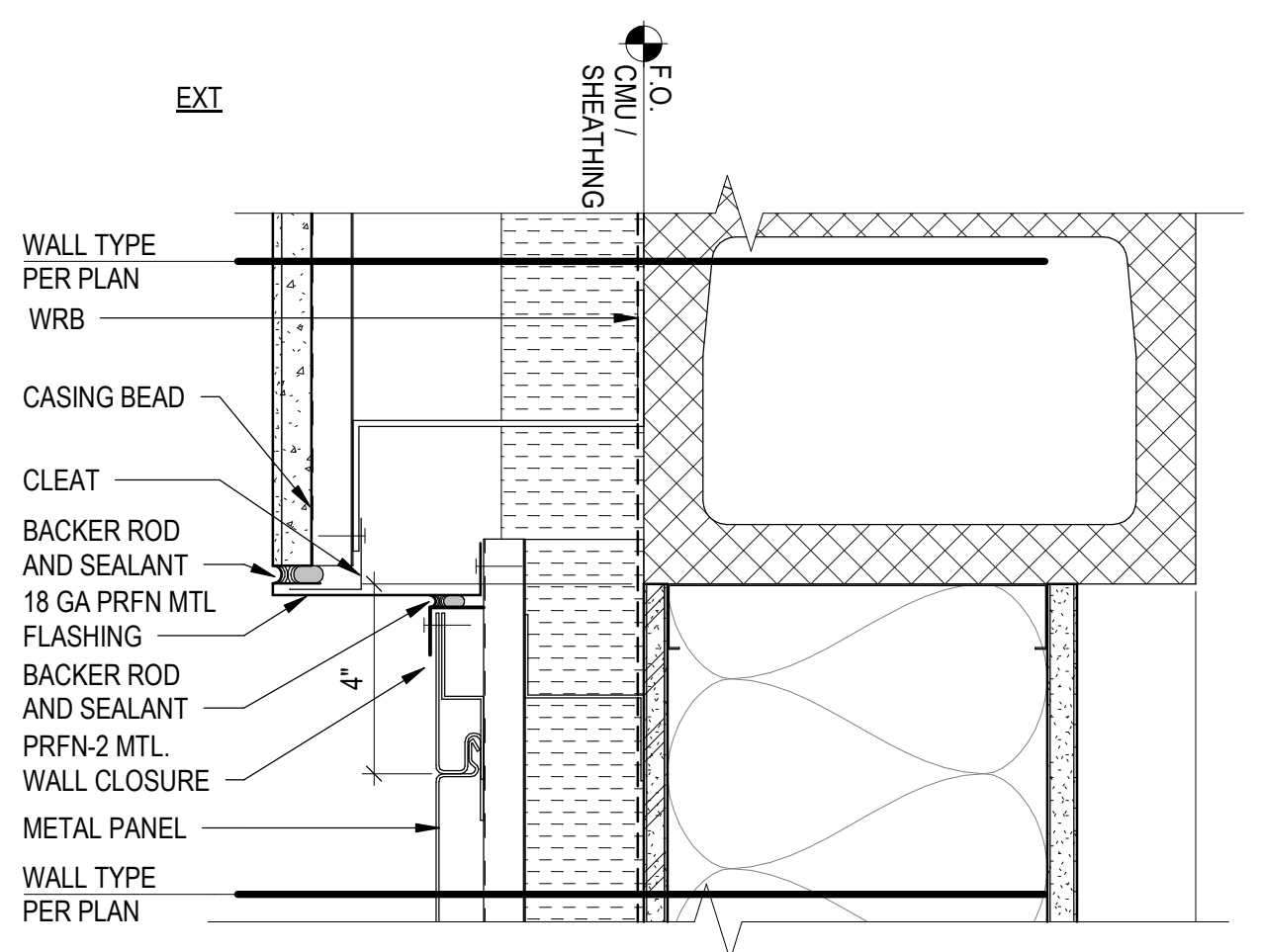
16 PLAN - (E) WALL PENETRATION INFILL - WOOD
SCALE: 3" = 1'-0"



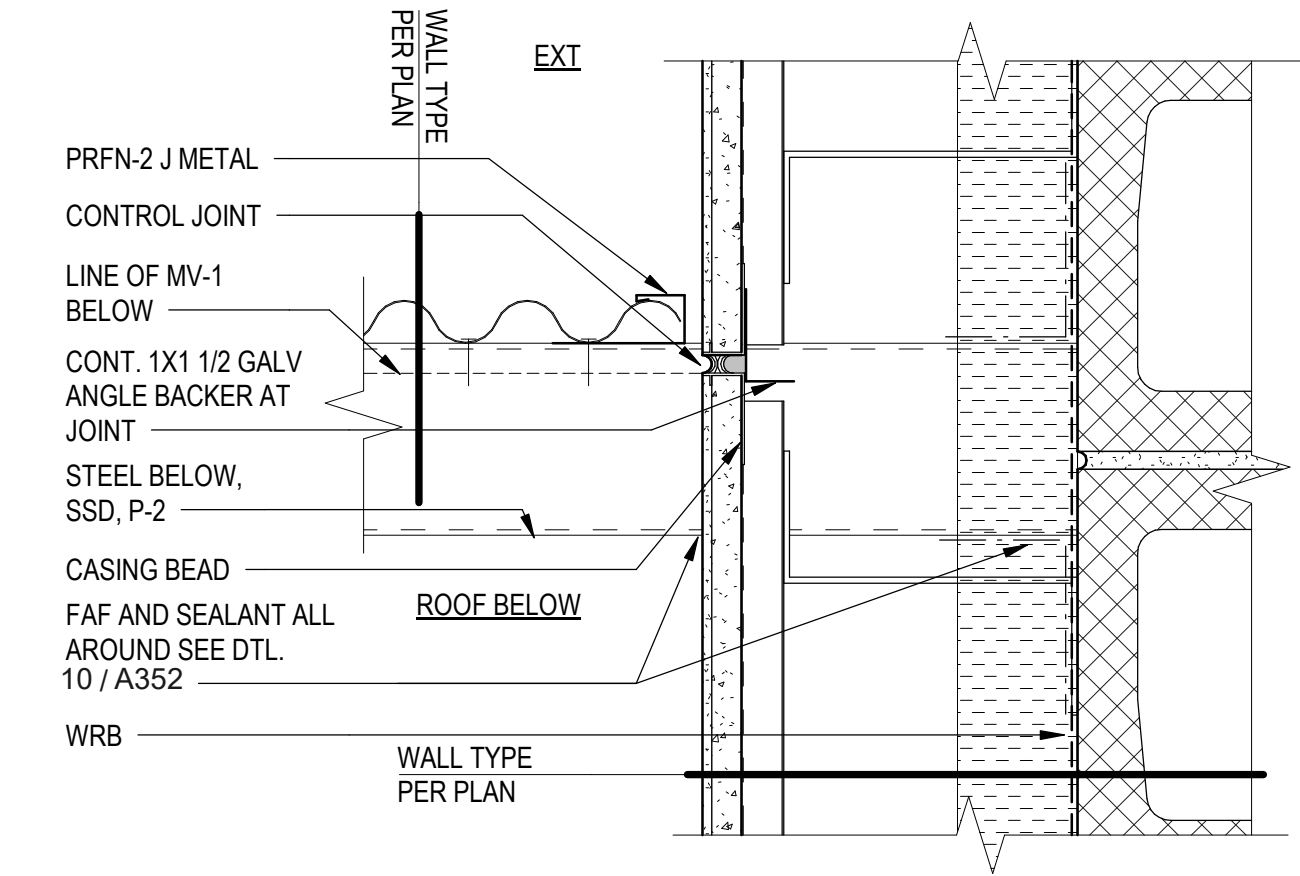
12 PLAN - APP-1 TO MV-1 INSIDE CORNER
SCALE: 3" = 1'-0"



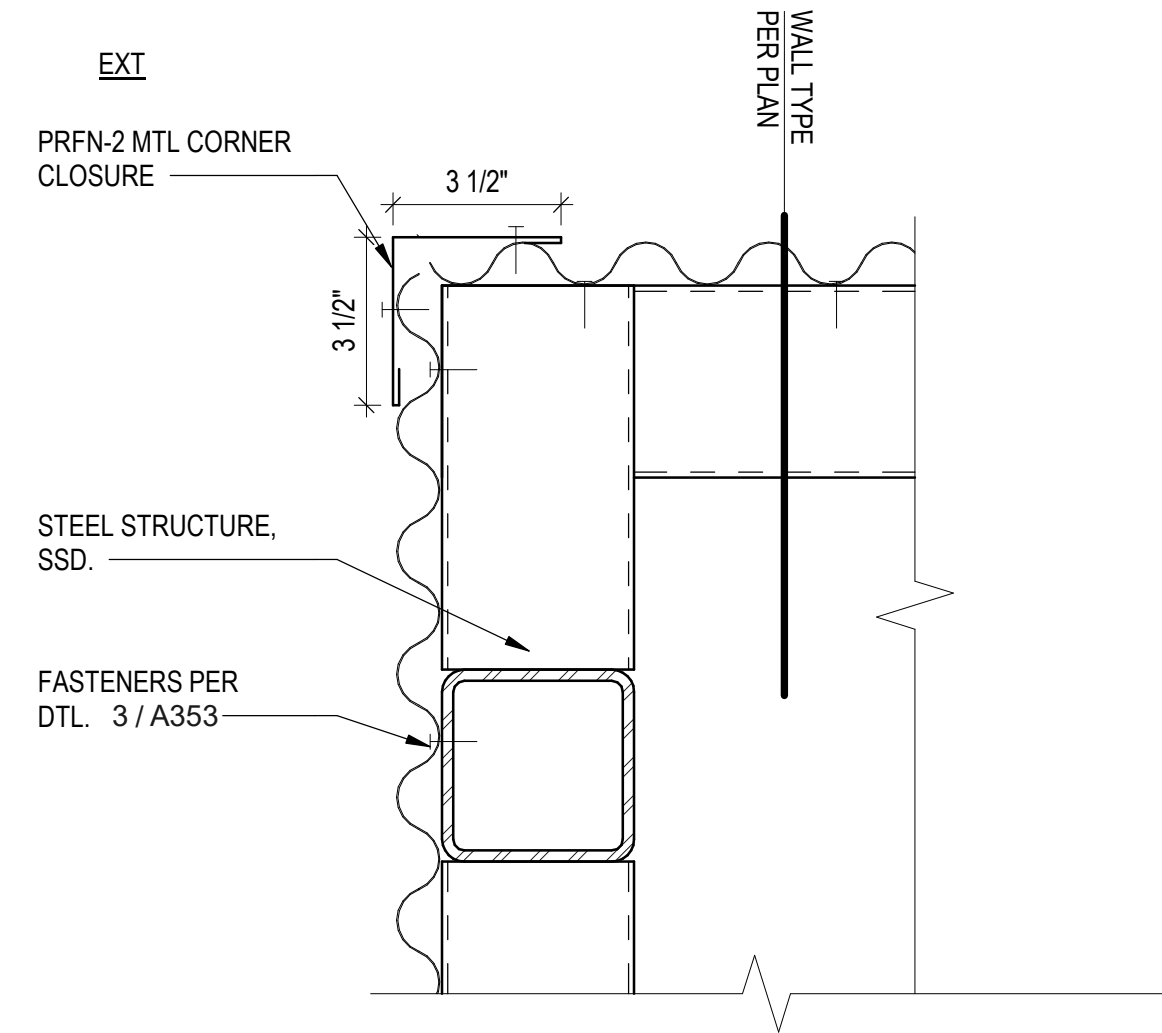
8 PLAN - MP-2 TO (E) CONC.
SCALE: 3" = 1'-0"



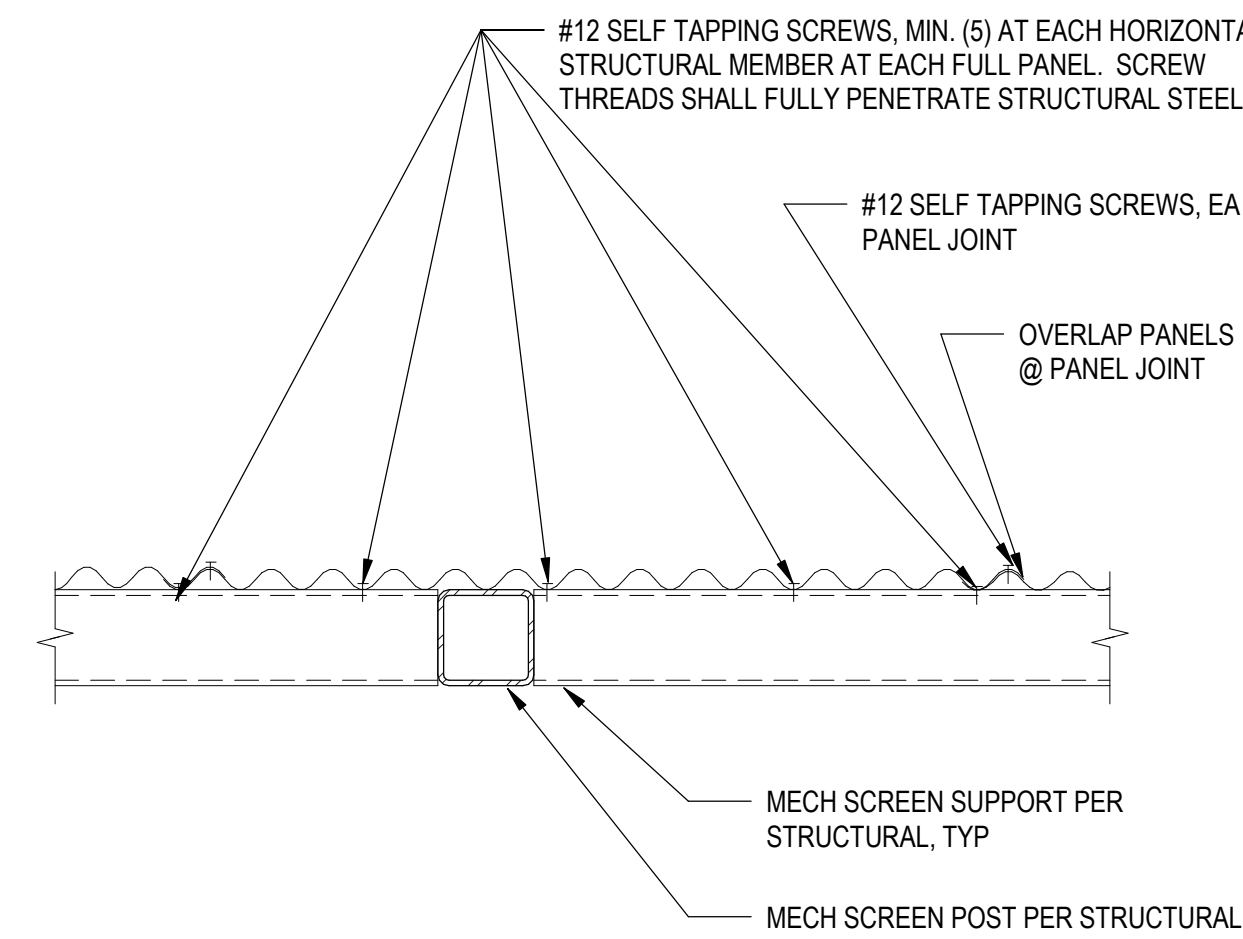
4 PLAN - APP-1 TO MP-1
SCALE: 3" = 1'-0"



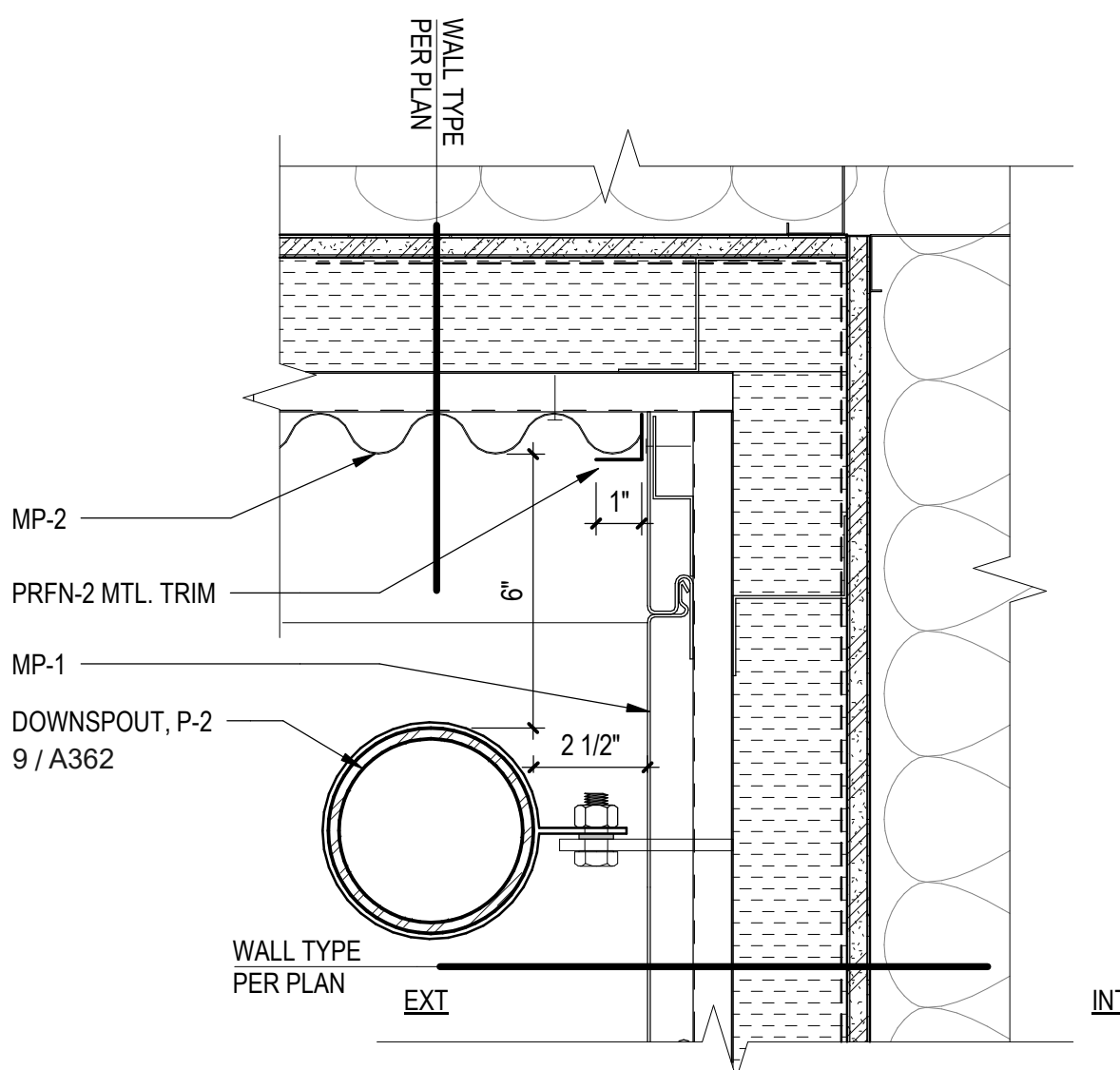
1 PLAN - APP-1 TO SP6-MP2- INSIDE CORNER
SCALE: 3" = 1'-0"



2 PLAN - MECH SCREEN OUTSIDE CORNER
SCALE: 3" = 1'-0"



3 MECH SCREEN ATTACHMENT PATTERN
SCALE: 1 1/2" = 1'-0"

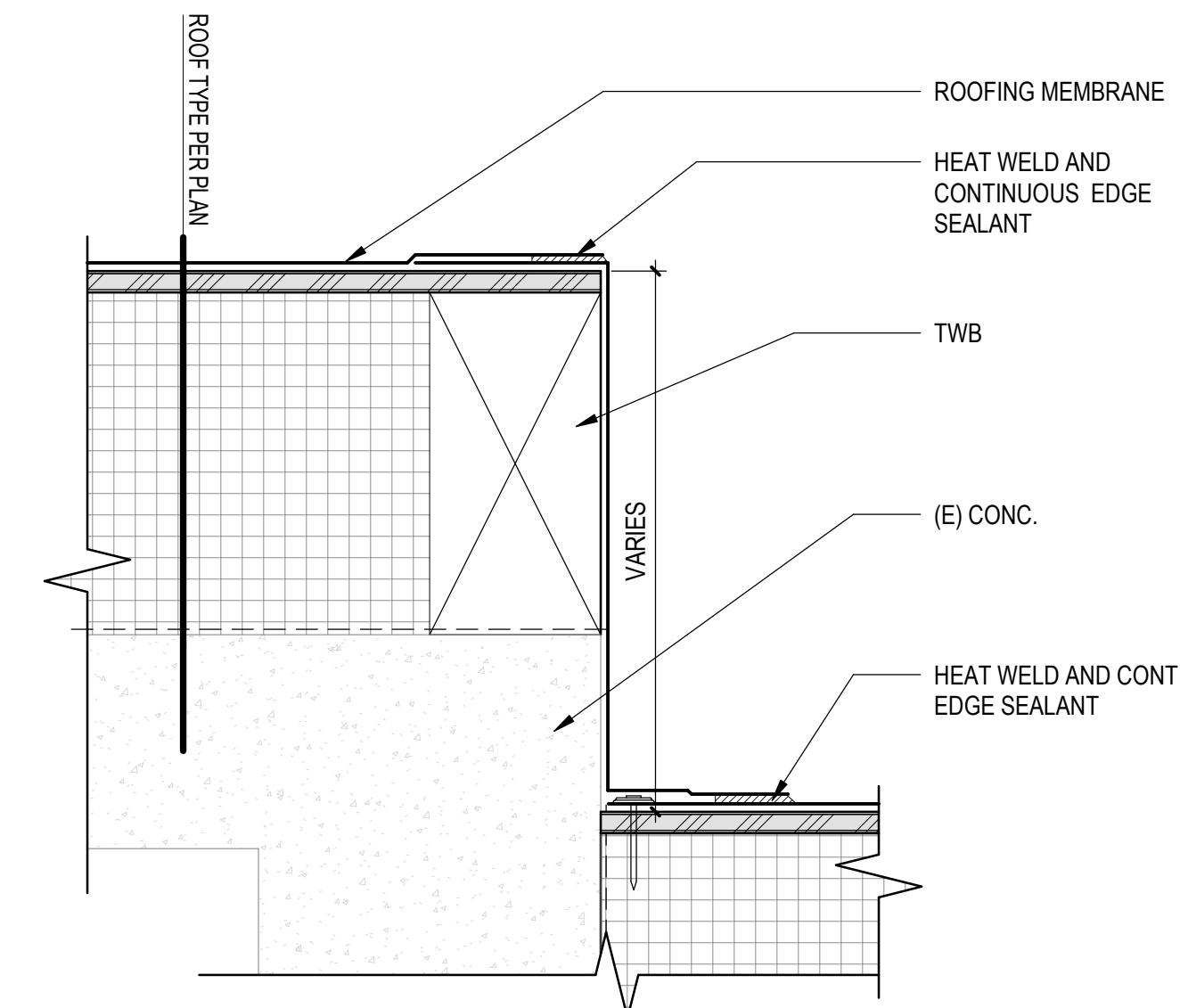


4 PLAN - MP-2 TO MP-1 - INSIDE CORNER
SCALE: 3" = 1'-0"

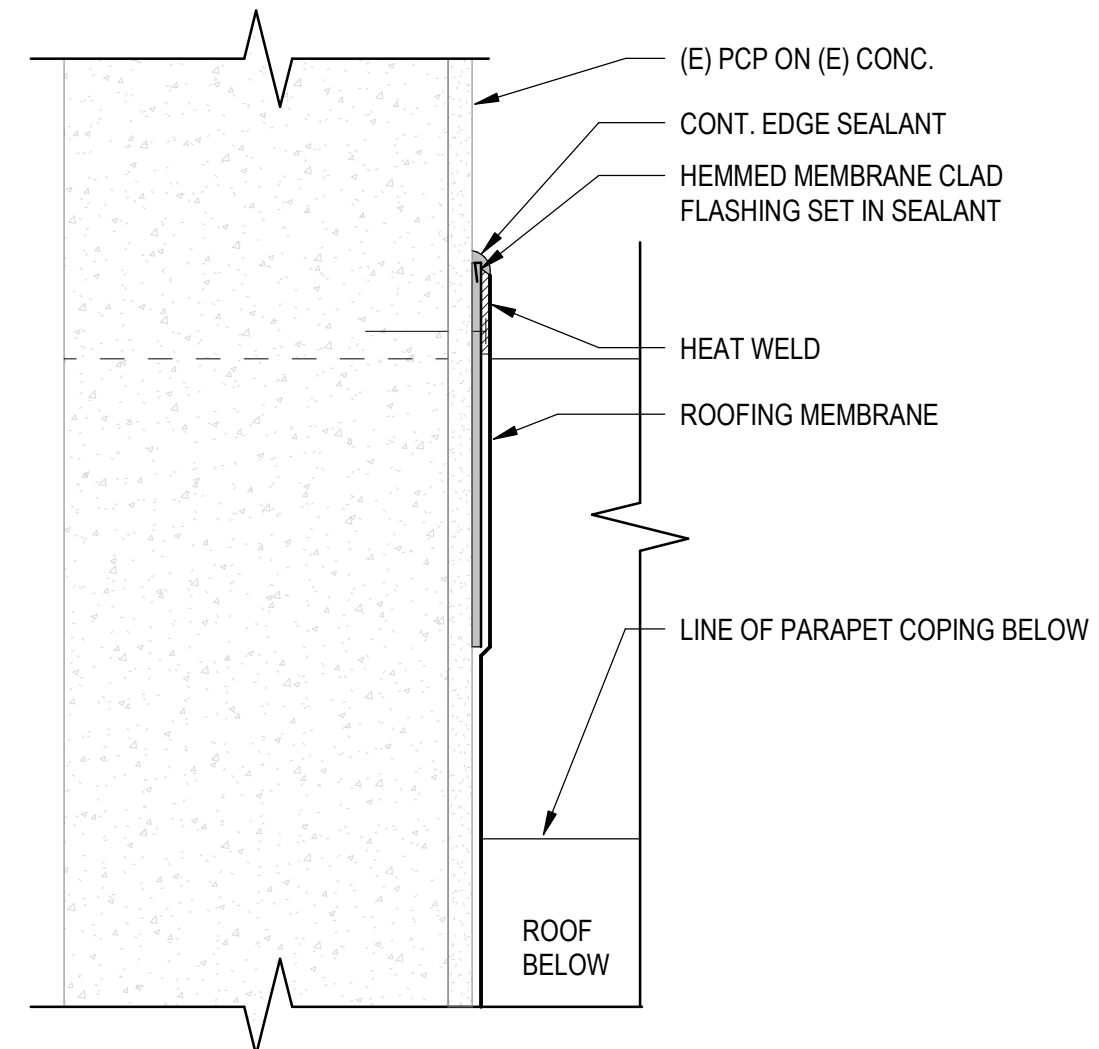
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
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Revisions	
#	Date Description

DETAILS -
EXTERIOR WALL

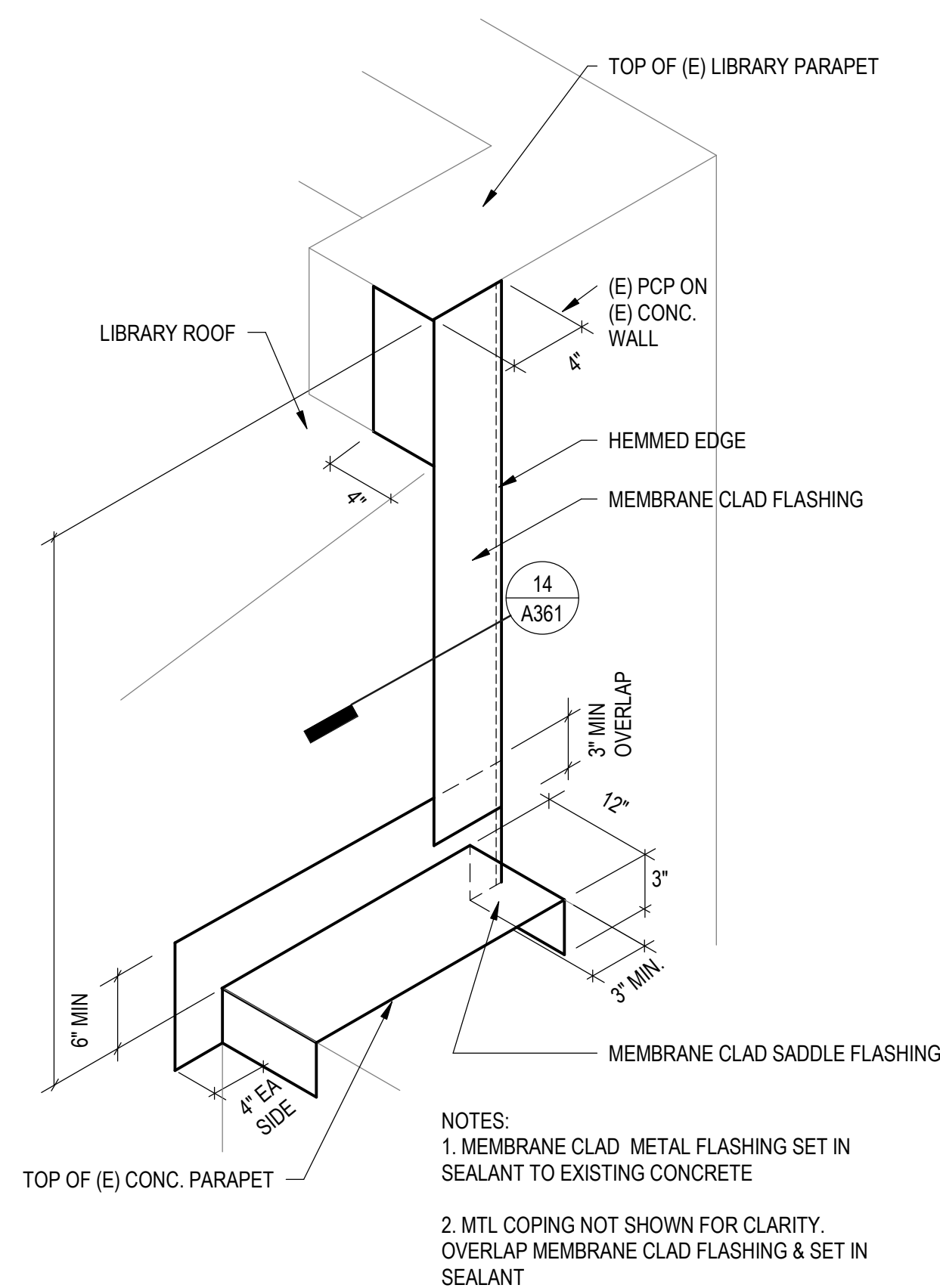
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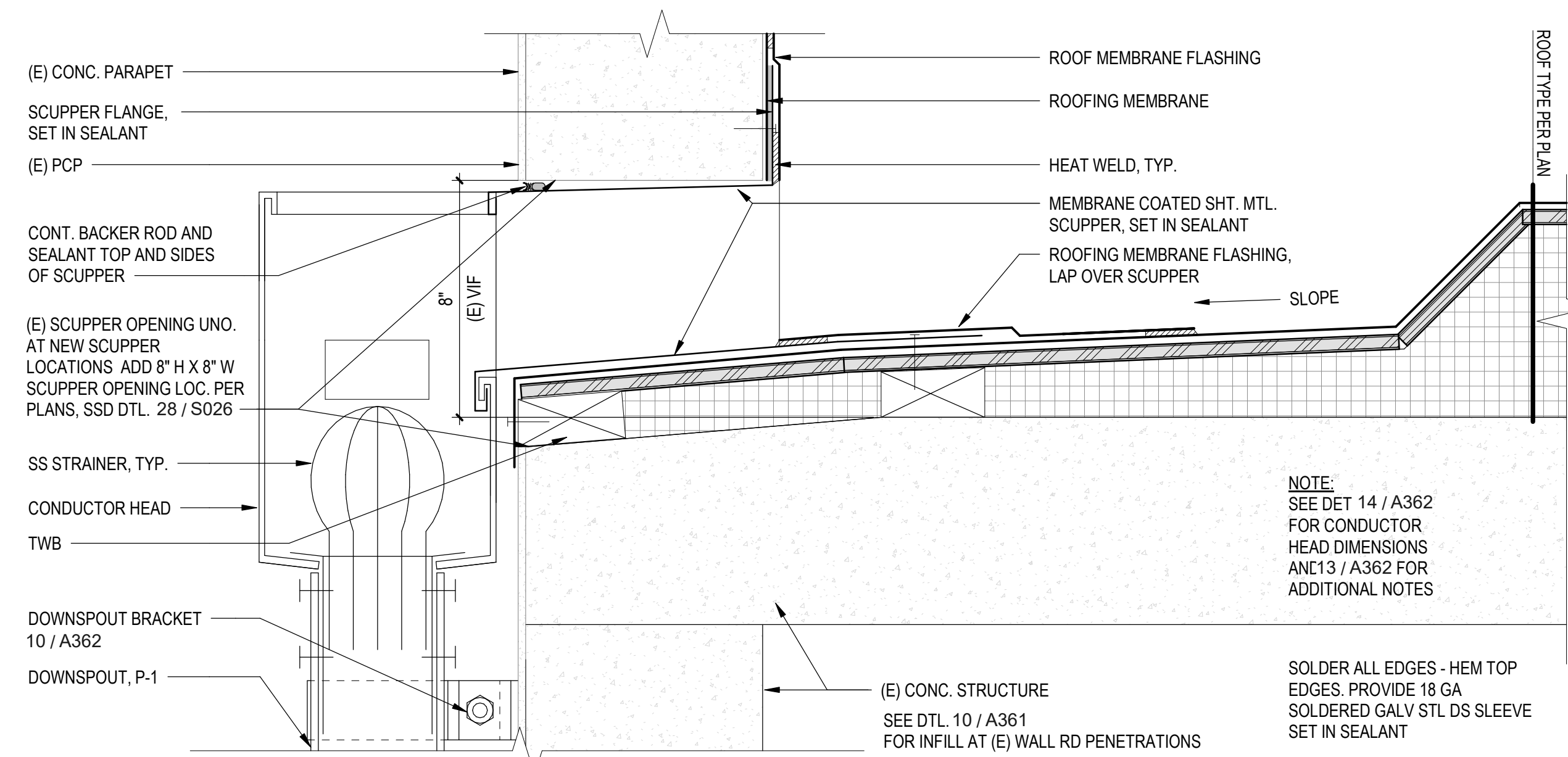
13 LIBRARY ROOF STEP
SCALE: 3" = 1'-0"



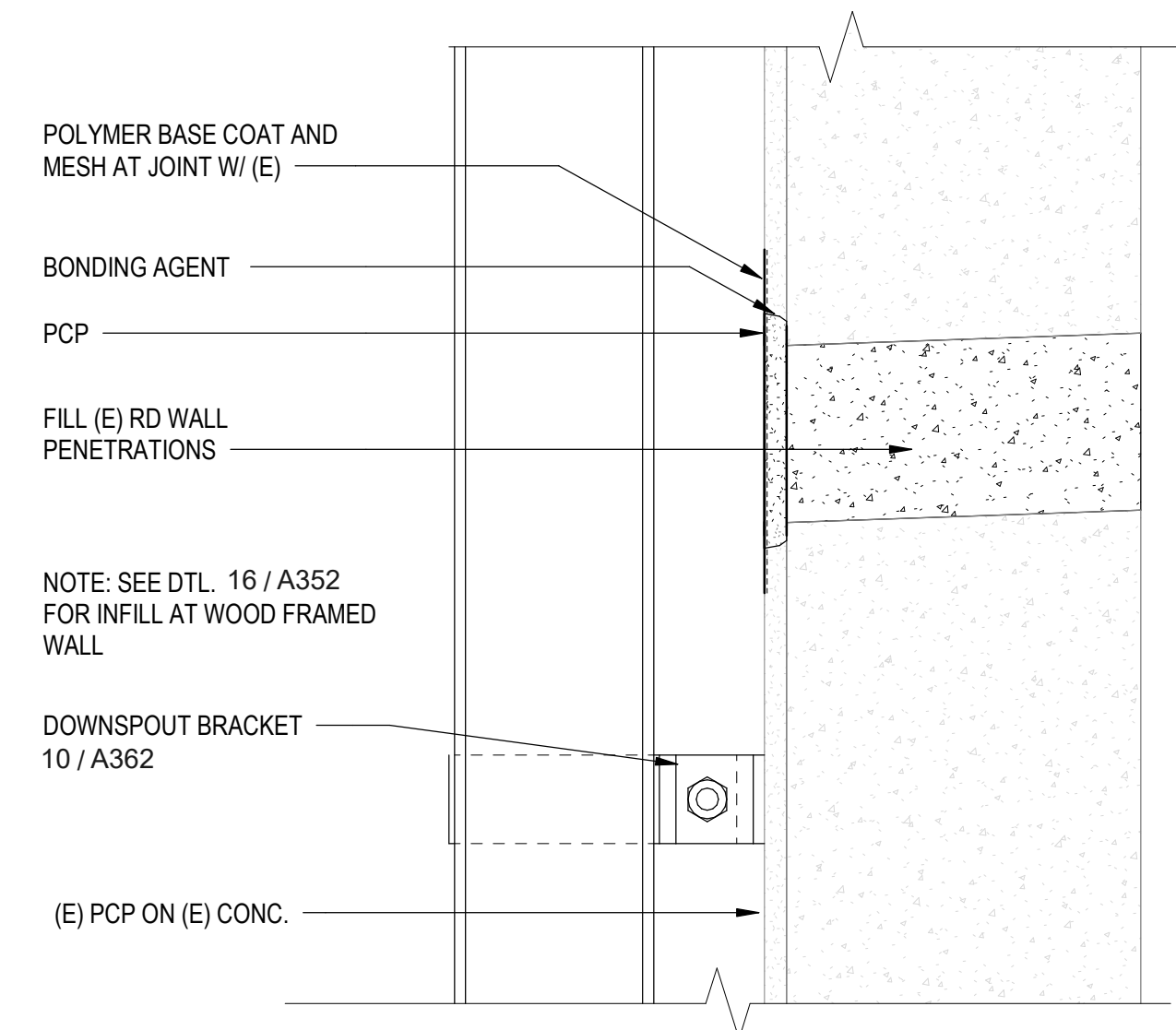
14 PLAN - LIBRARY ROOF TERMINATION
SCALE: 3" = 1'-0"



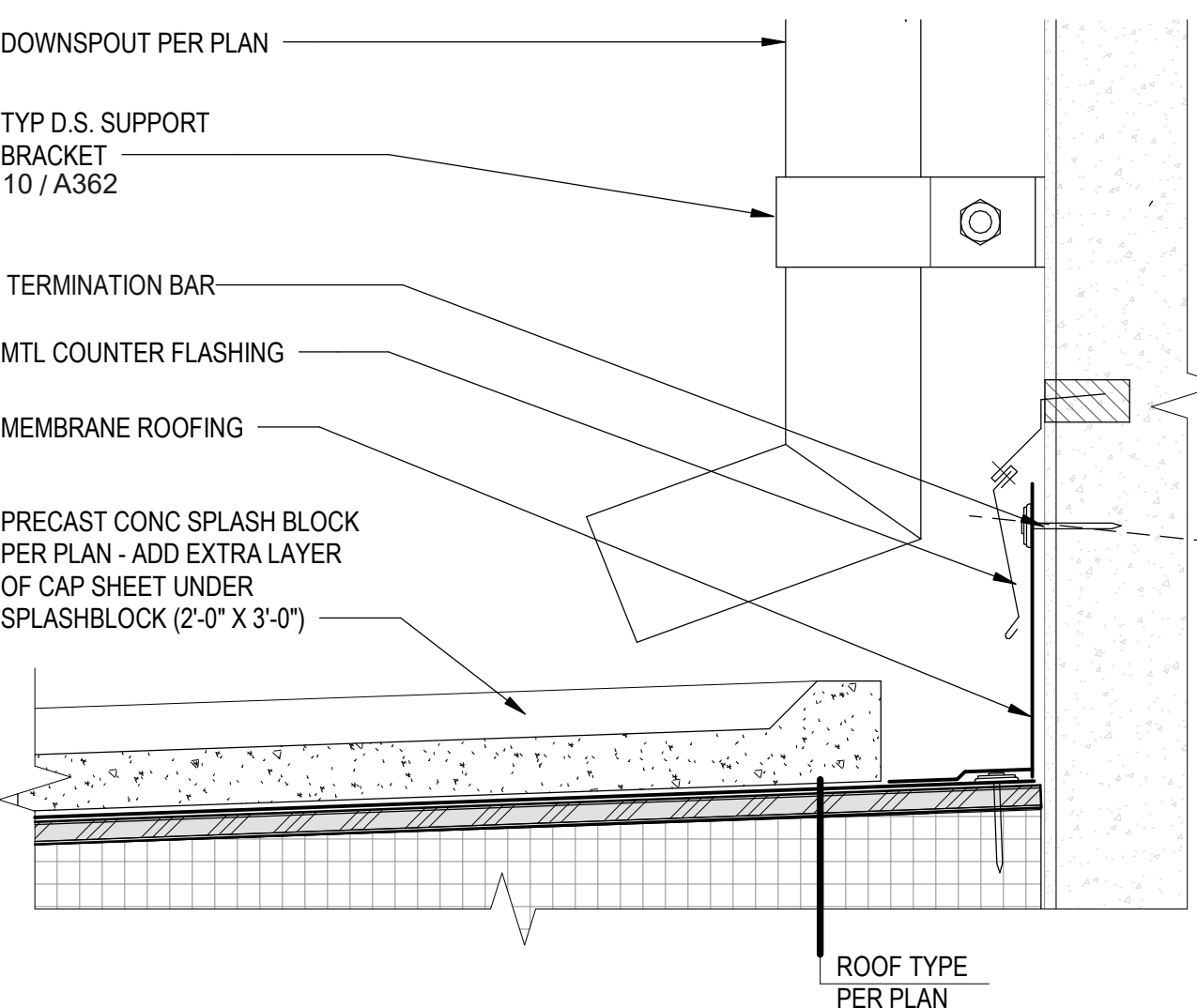
16 LIBRARY ROOF FLASHING TERMINATION
SCALE: 1 1/2" = 1'-0"



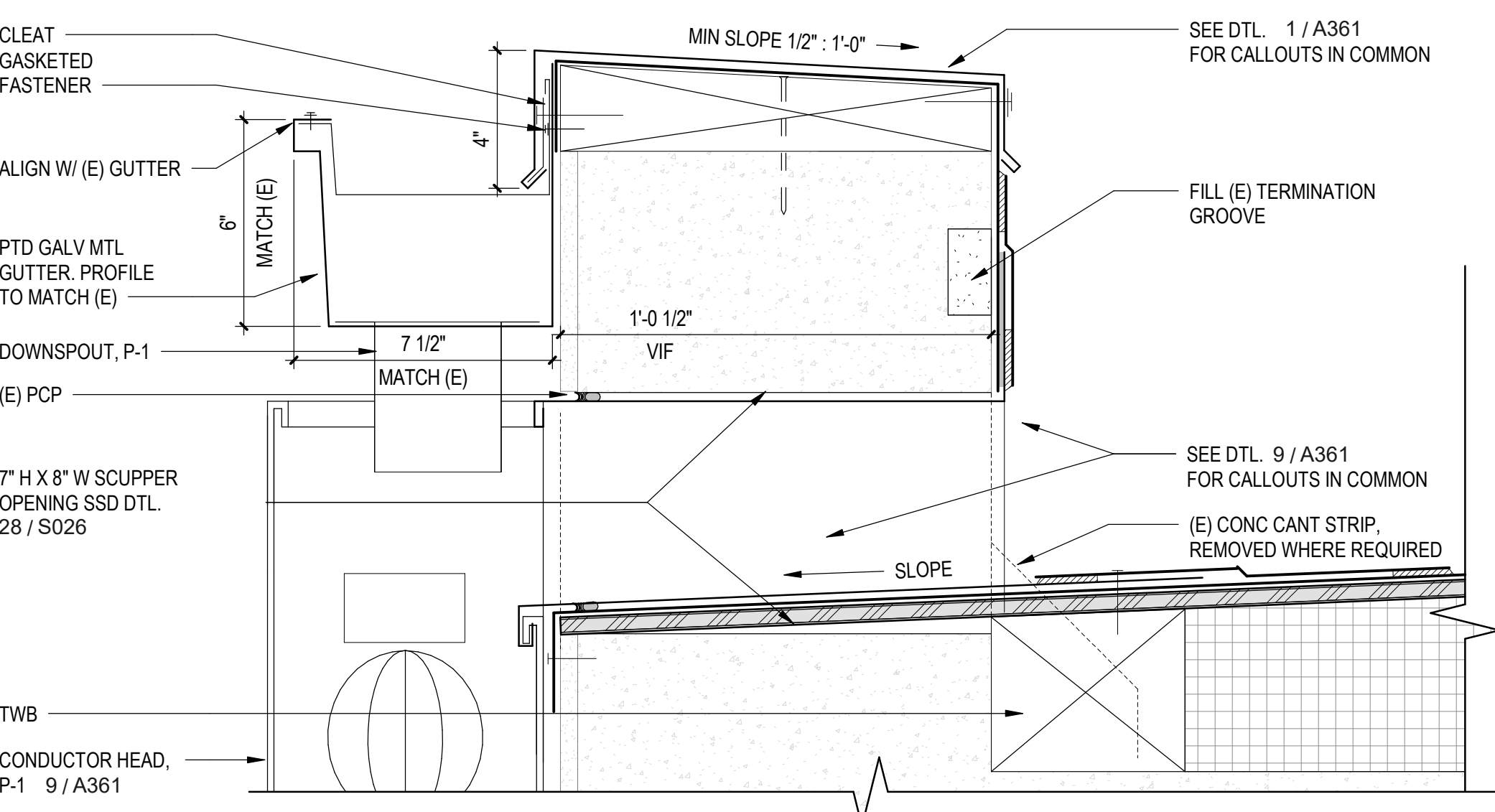
9 SCUPPER/DOWNSPOUT @ (E) CONCRETE
SCALE: 3" = 1'-0"



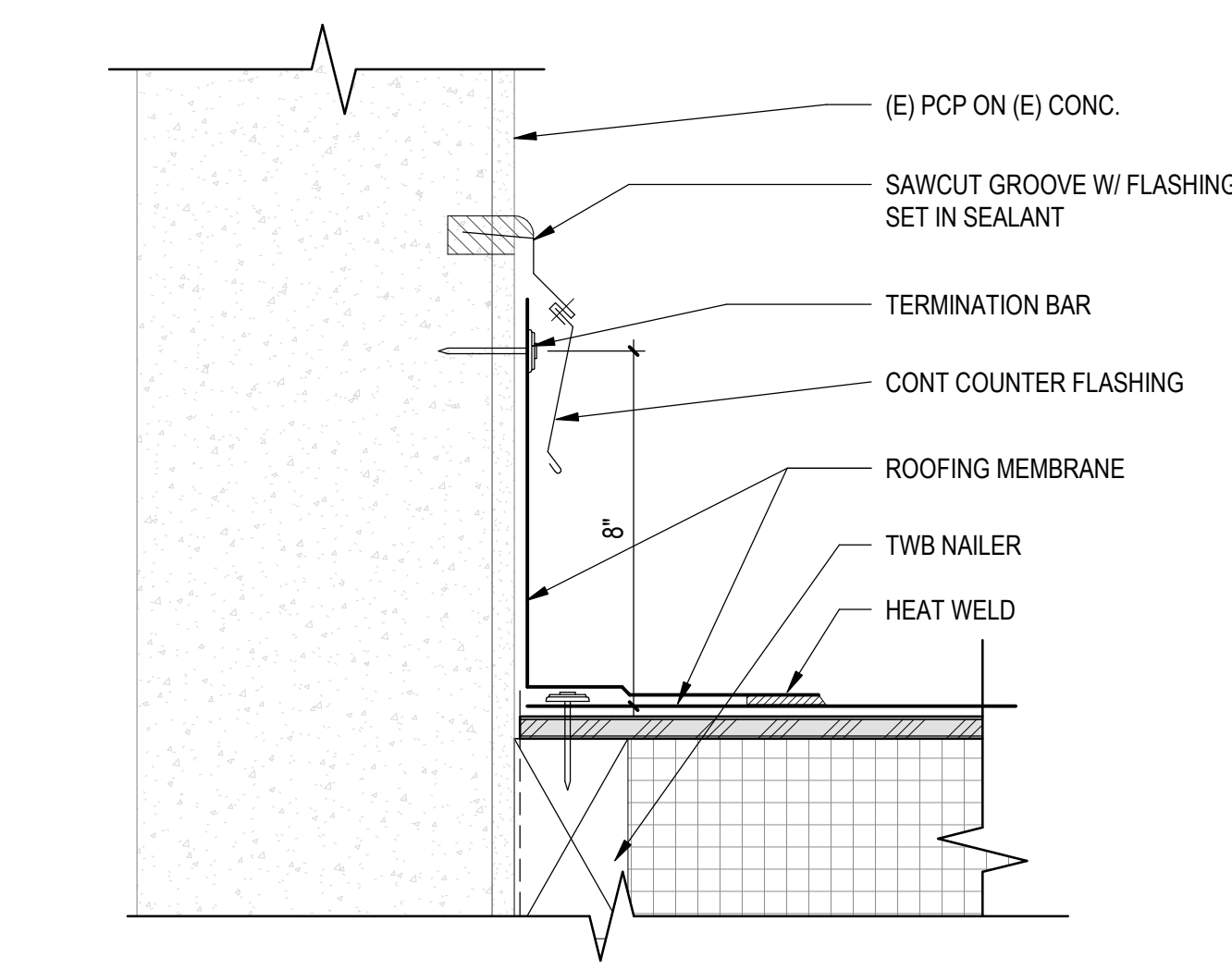
10 (E) ROOF DRAIN INFILL
SCALE: 3" = 1'-0"



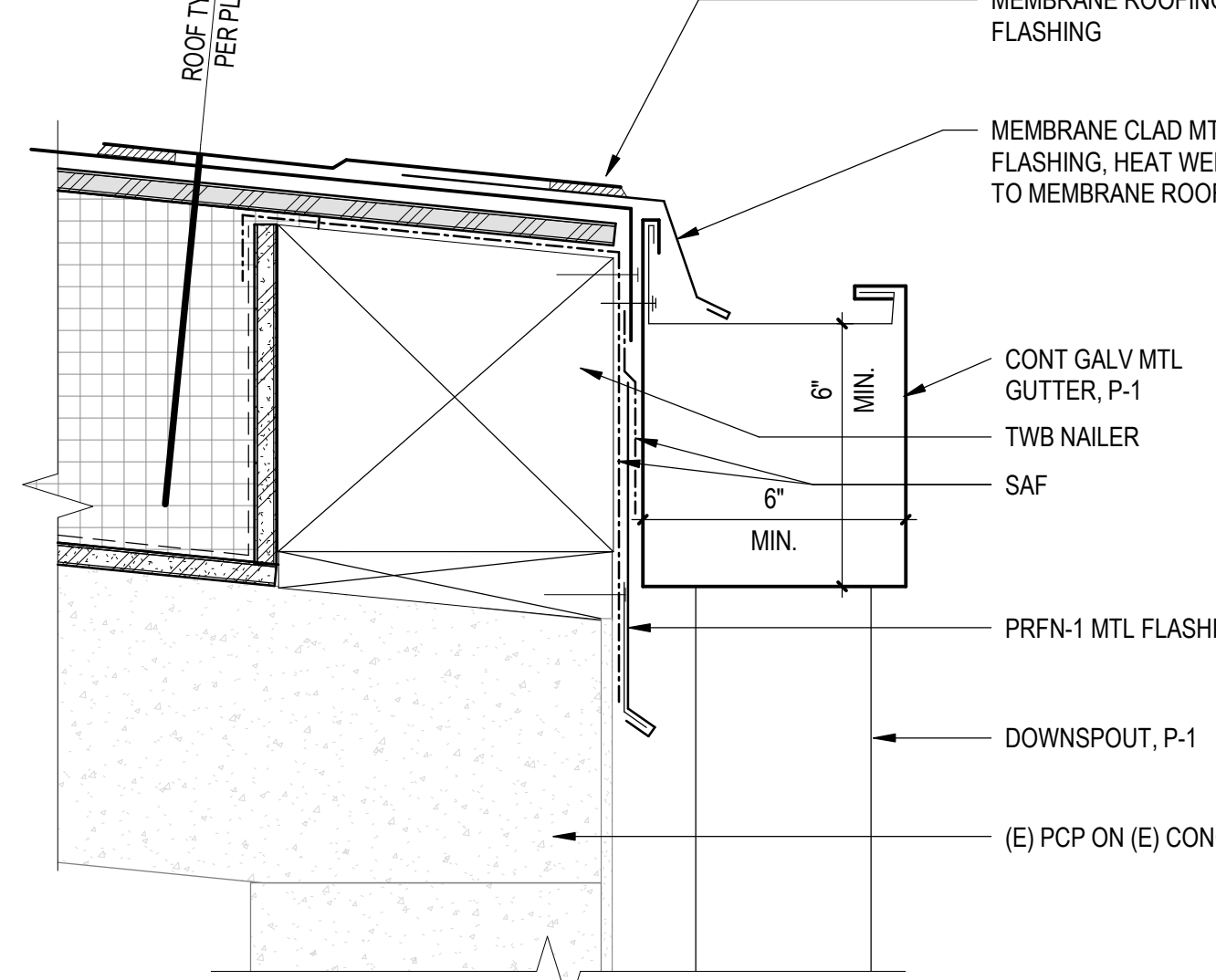
11 DOWNSPOUT AND SPLASHBLOCK DETAIL
SCALE: 3" = 1'-0"



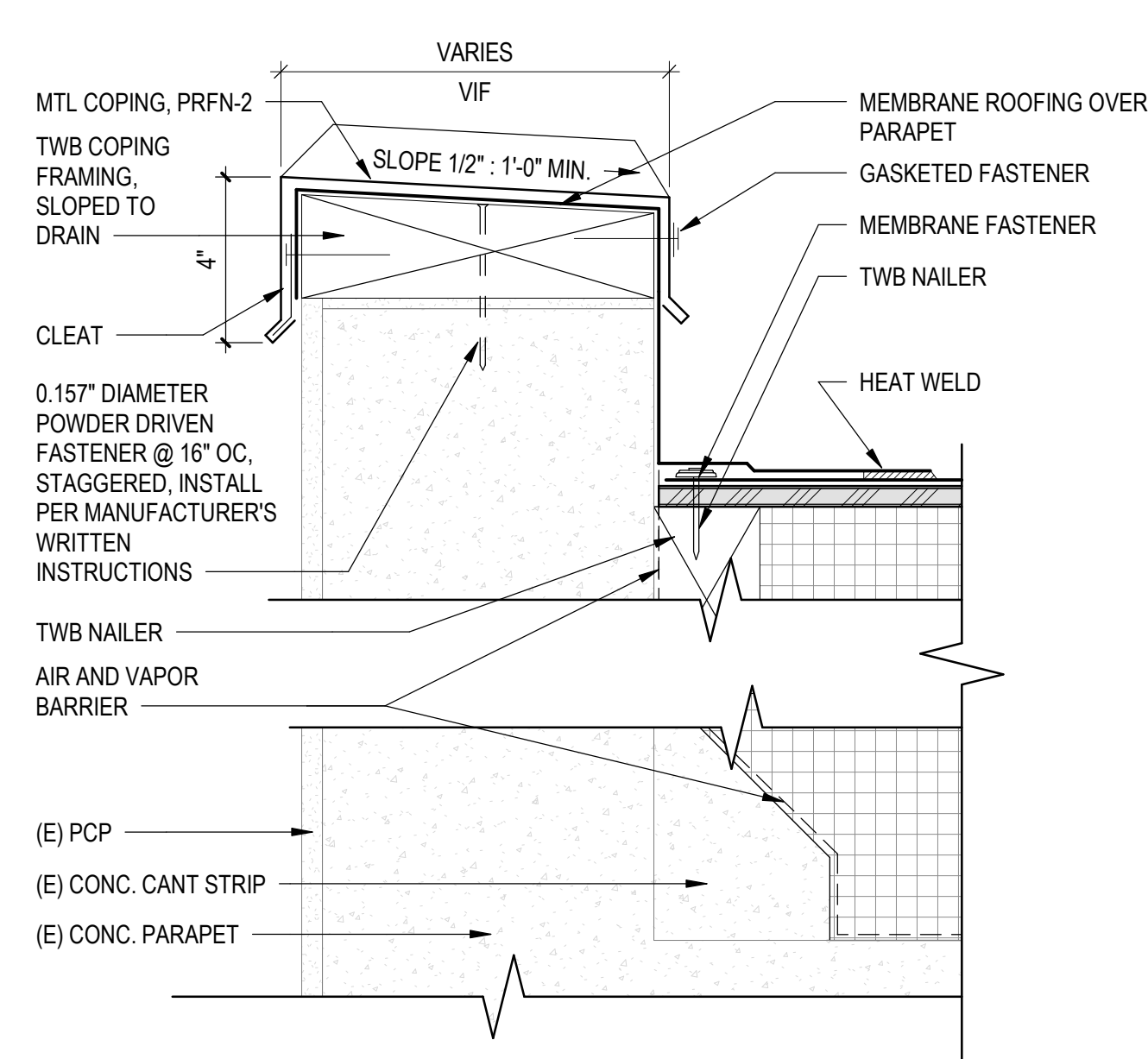
12 PARAPET OVER ENTRY VESTIBULE SCUPPER
SCALE: 3" = 1'-0"



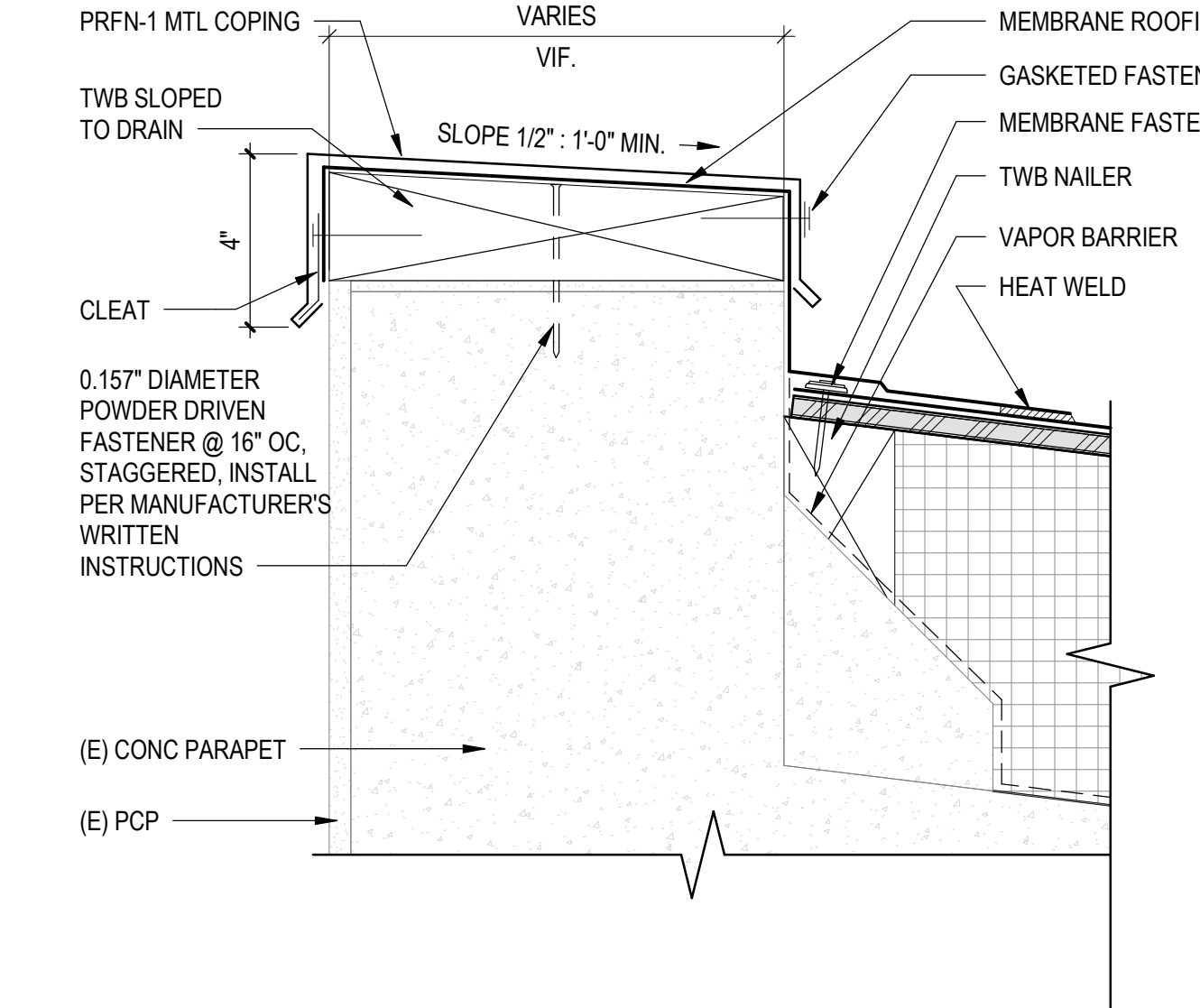
6 ROOF TO EXISTING CONCRETE WALL
SCALE: 3" = 1'-0"



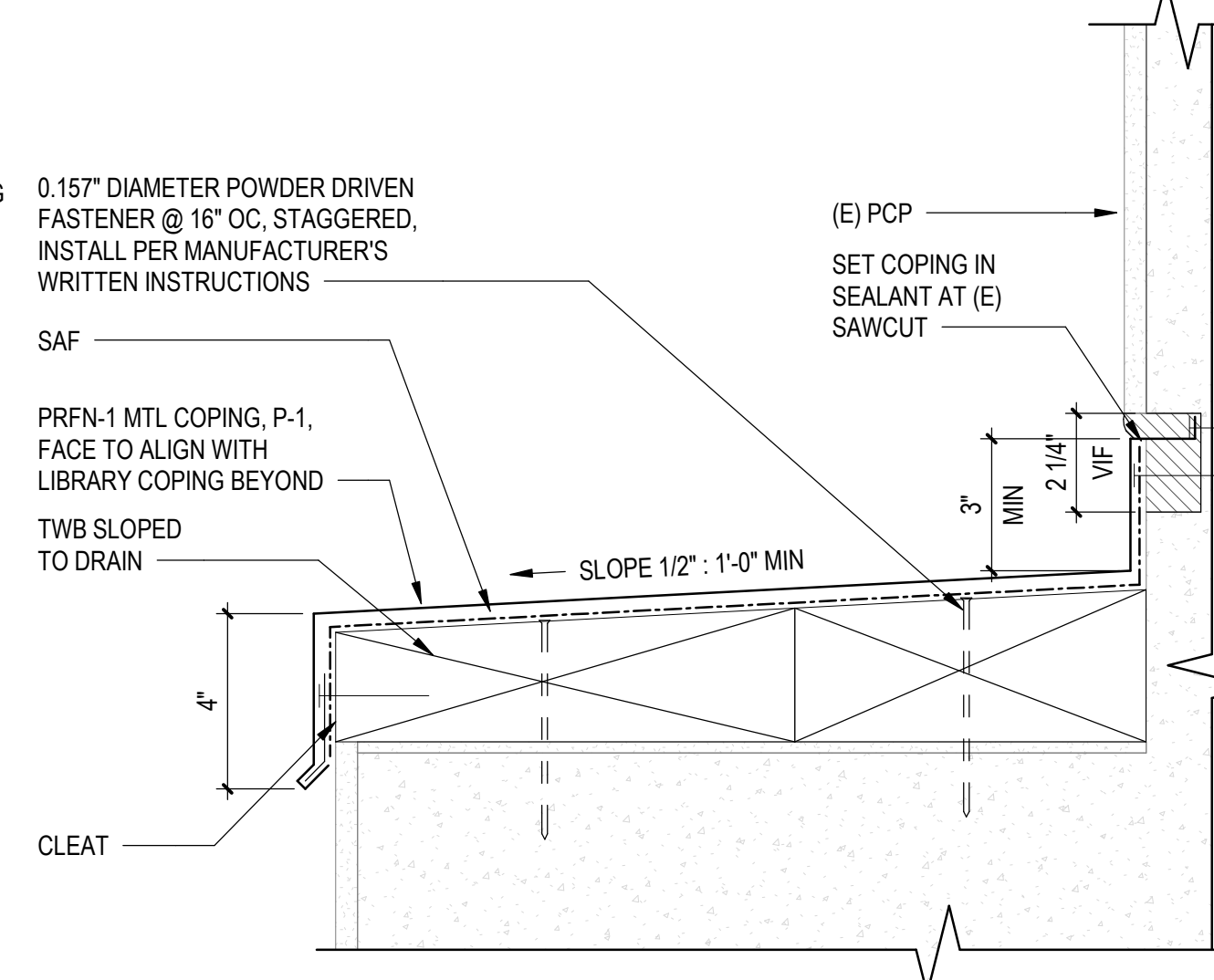
7 GUTTER @ FAN ROOM
SCALE: 3" = 1'-0"



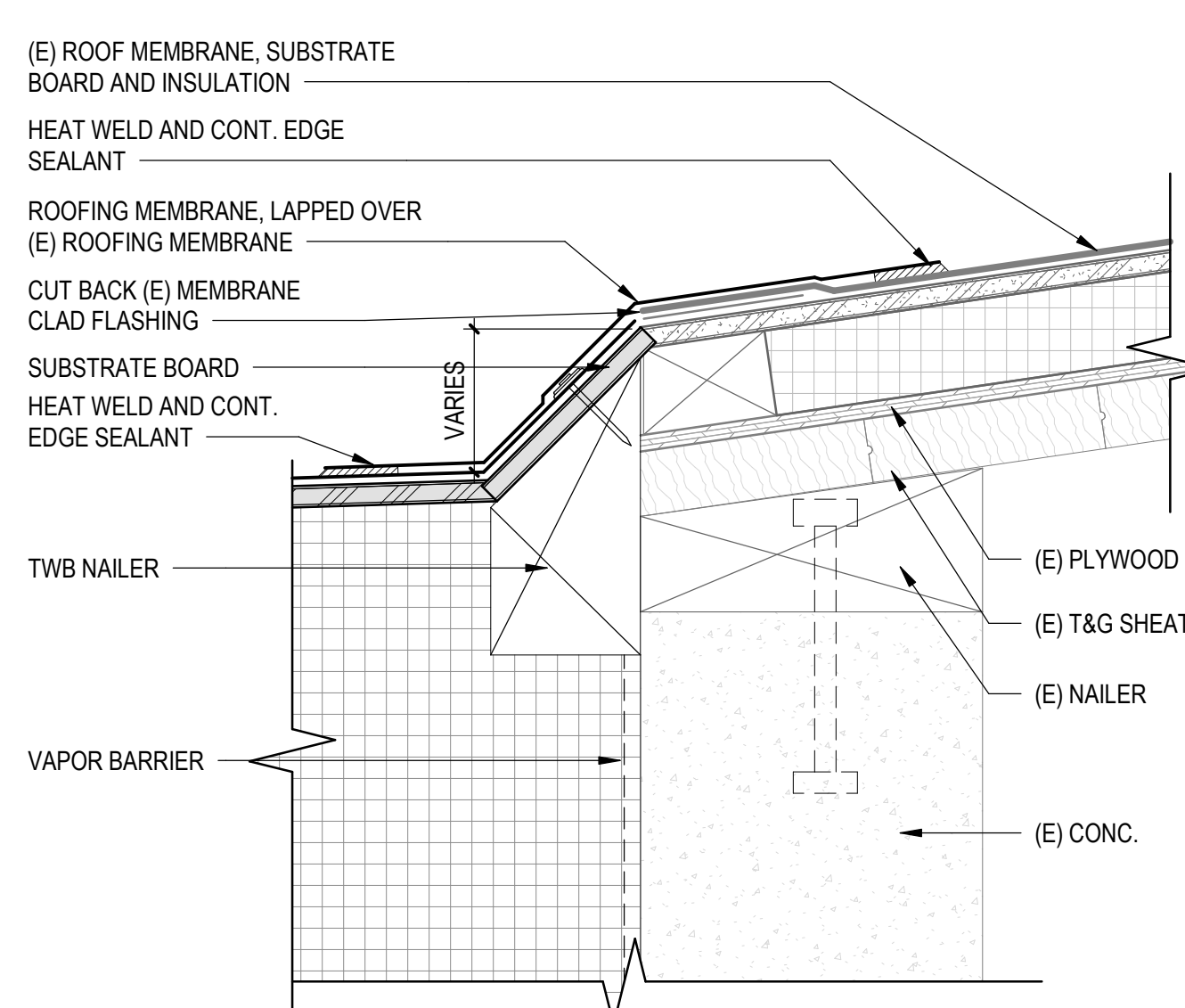
1 TYP. PARAPET @ (E) CONC.
SCALE: 3" = 1'-0"



2 PARAPET @ LIBRARY
SCALE: 3" = 1'-0"



3 PARAPET @ LIBRARY FAN ROOM
SCALE: 3" = 1'-0"



4 NEW-EXISTING ROOF TRANSITION
SCALE: 3" = 1'-0"

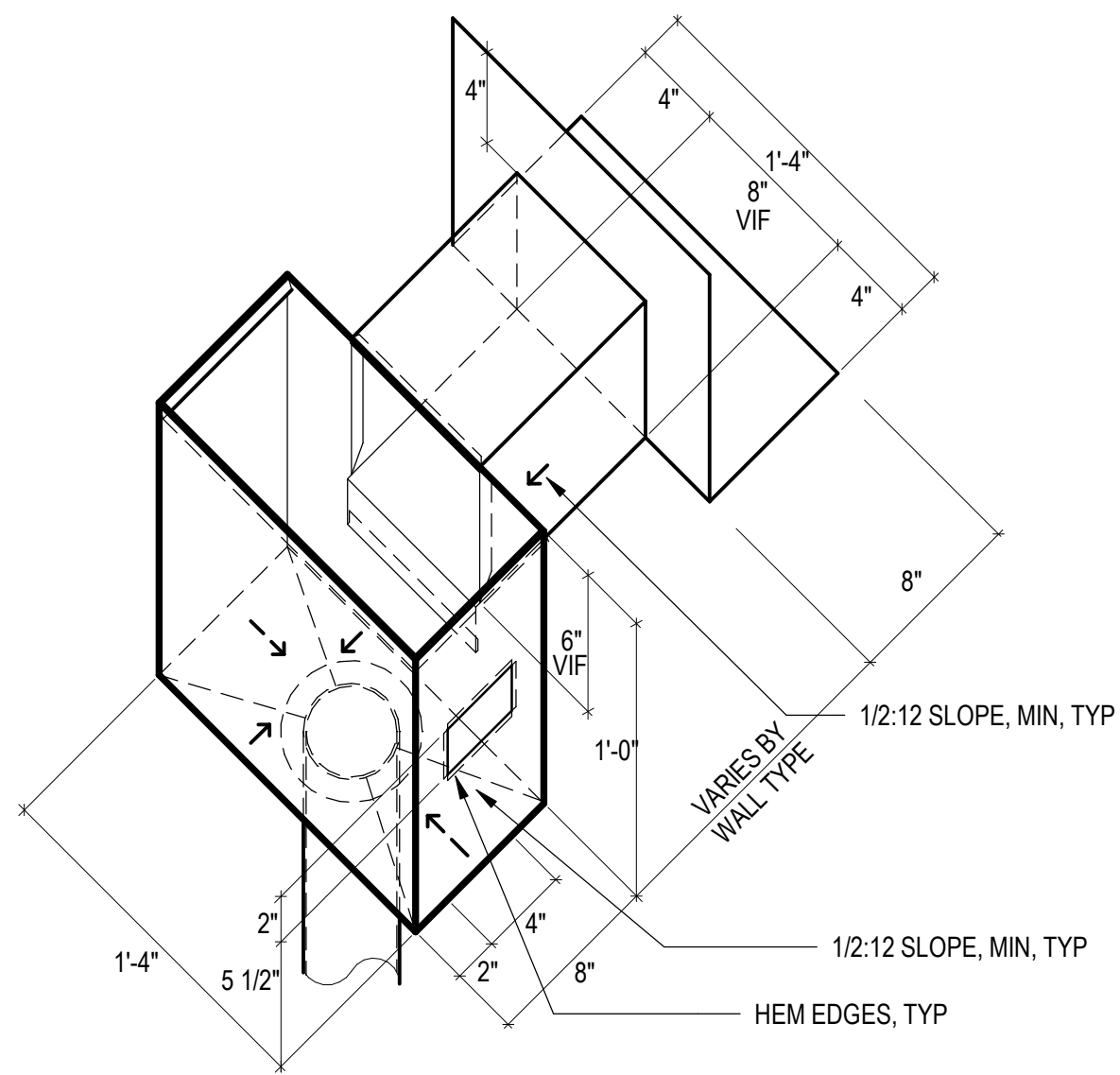
**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

500 REDPATH ST, KELSO, WA 98626

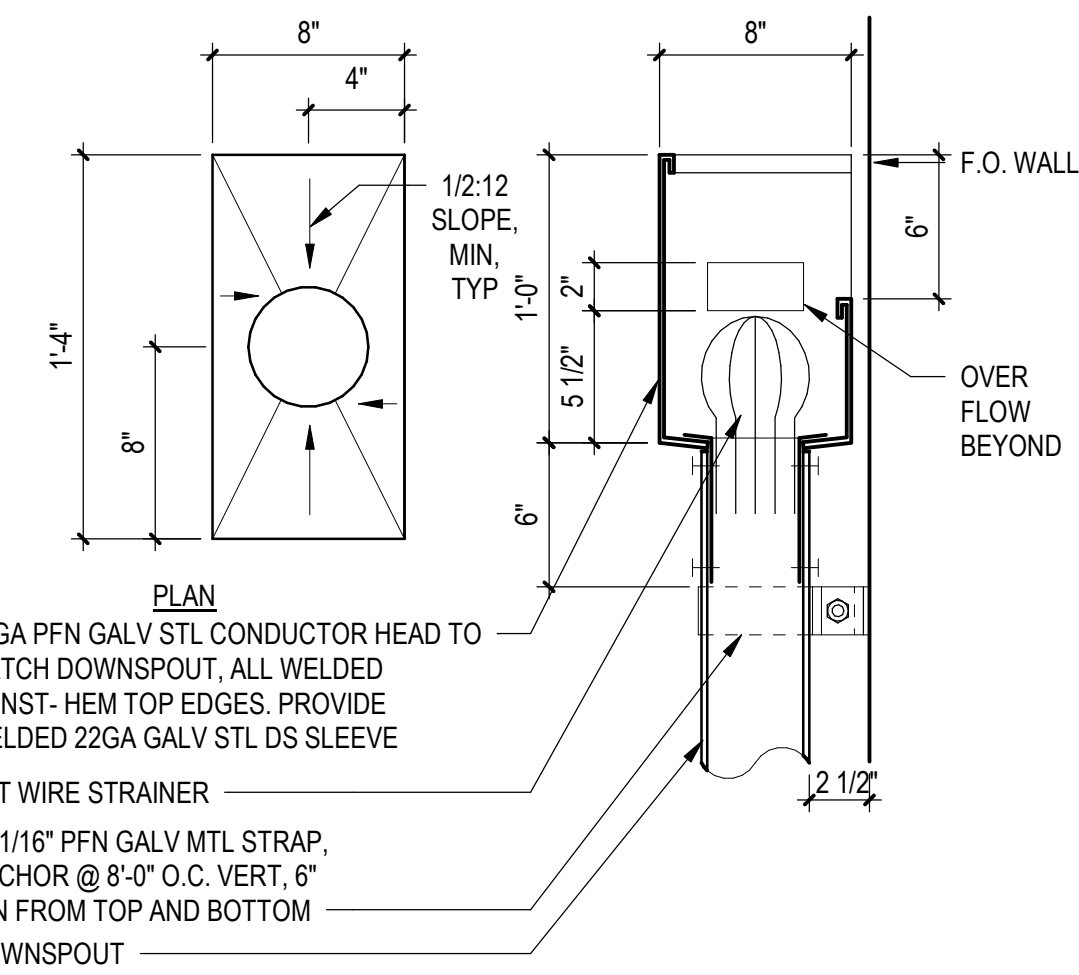
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
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Revisions	
#	Date Description

DETAILS -
PARAPET /
ROOF

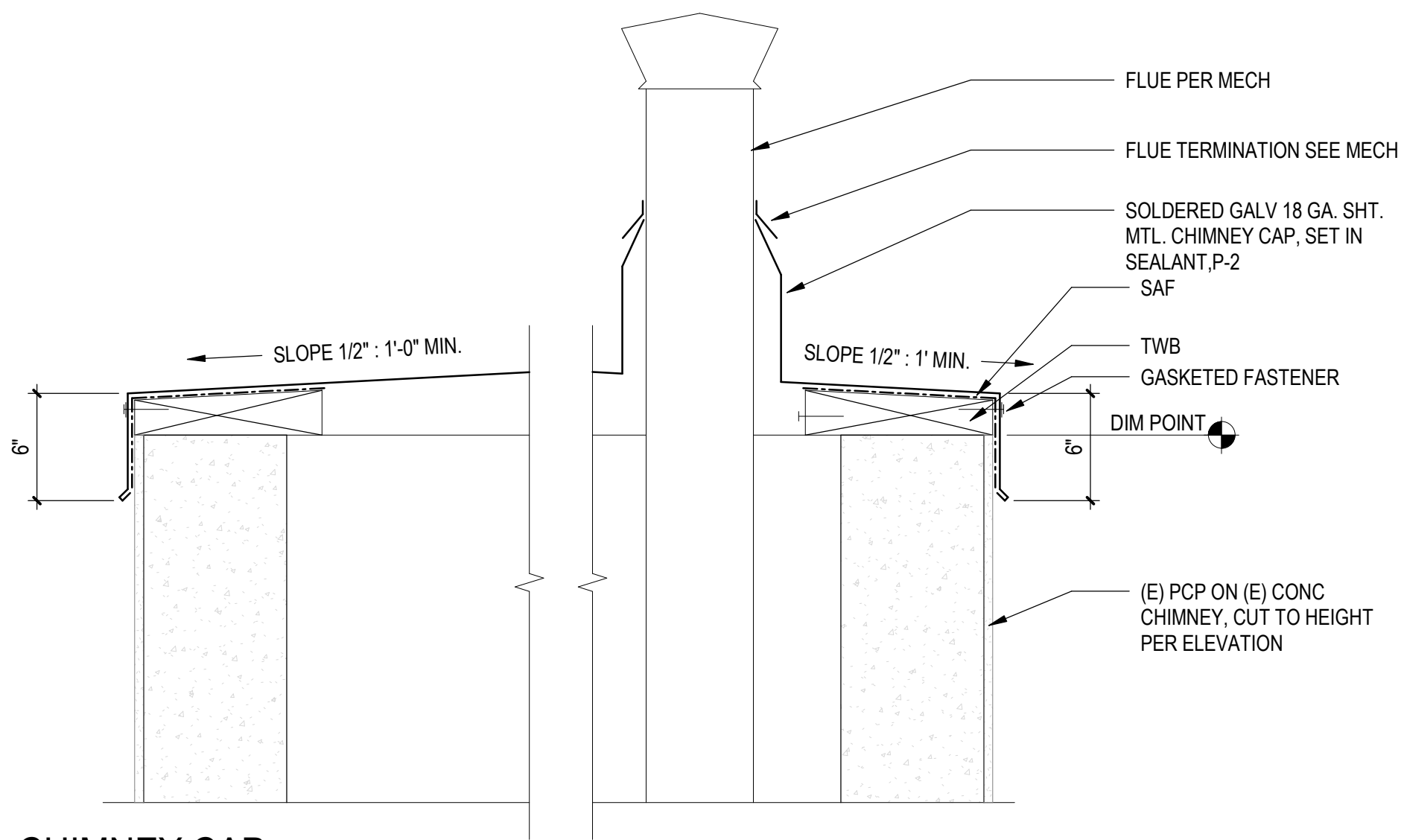
A361



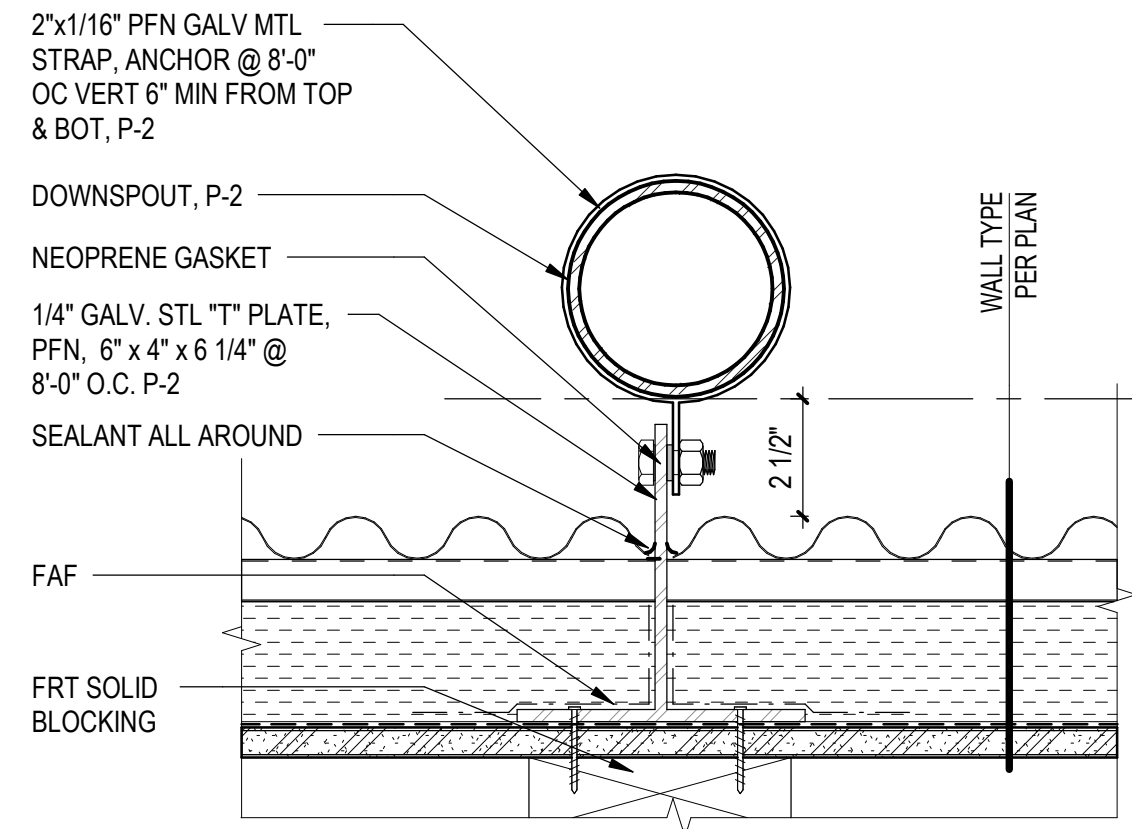
13 PARAPET SCUPPER
SCALE: 1 1/2" = 1'-0"



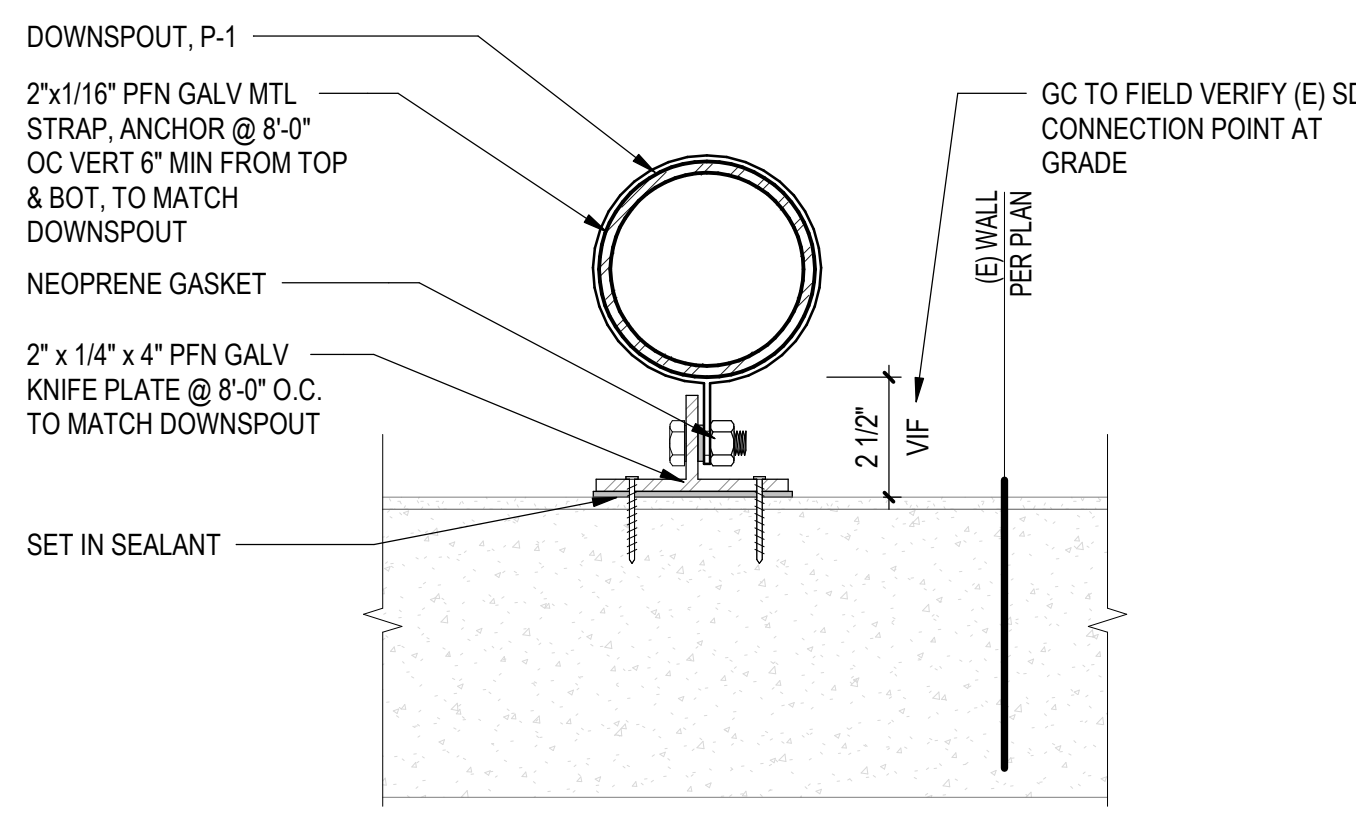
14 CONDUCTOR HEAD
SCALE: 1 1/2" = 1'-0"



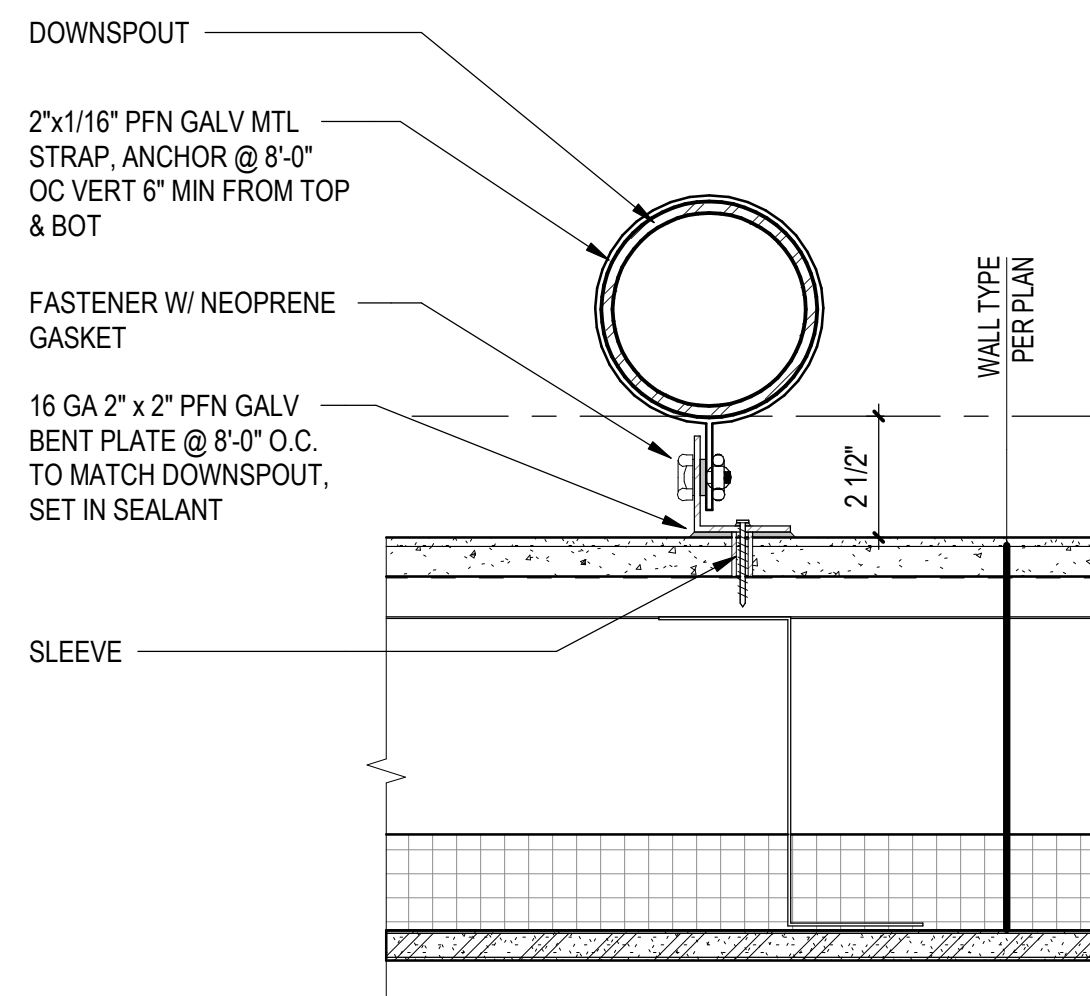
20 CHIMNEY CAP
SCALE: 1 1/2" = 1'-0"



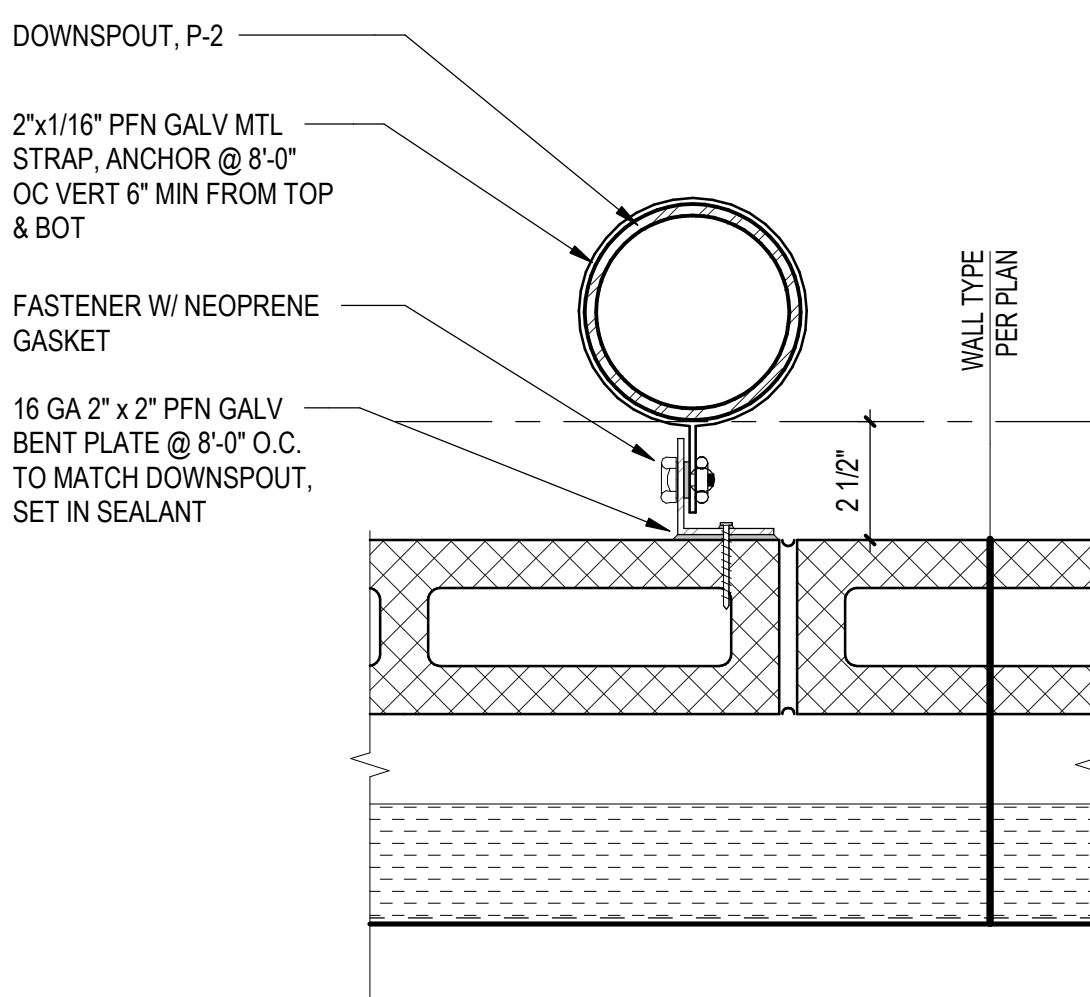
9 DOWNSPOUT PLAN @ MP
SCALE: 3" = 1'-0"



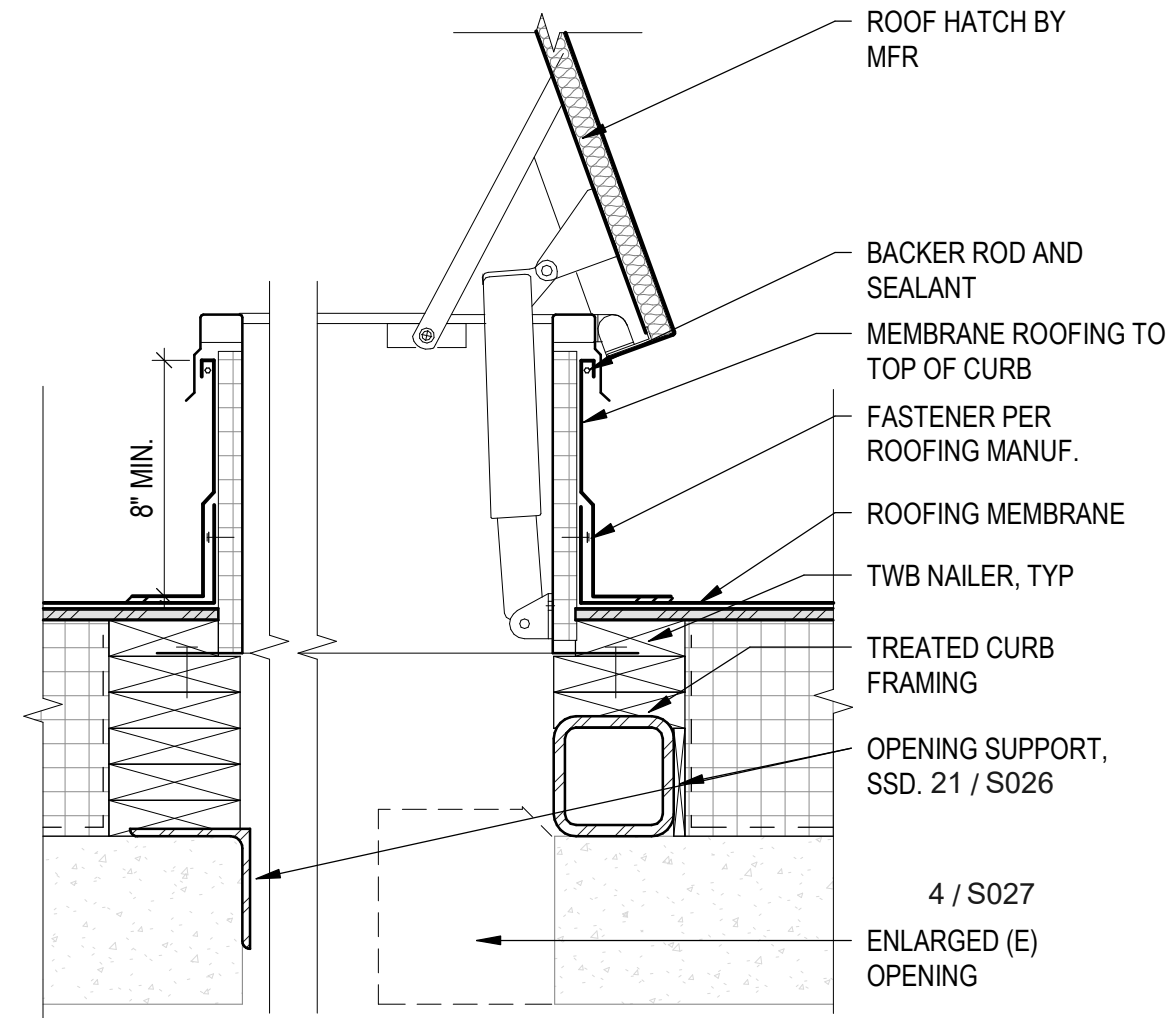
10 DOWNSPOUT PLAN @ (E) CONC.
SCALE: 3" = 1'-0"



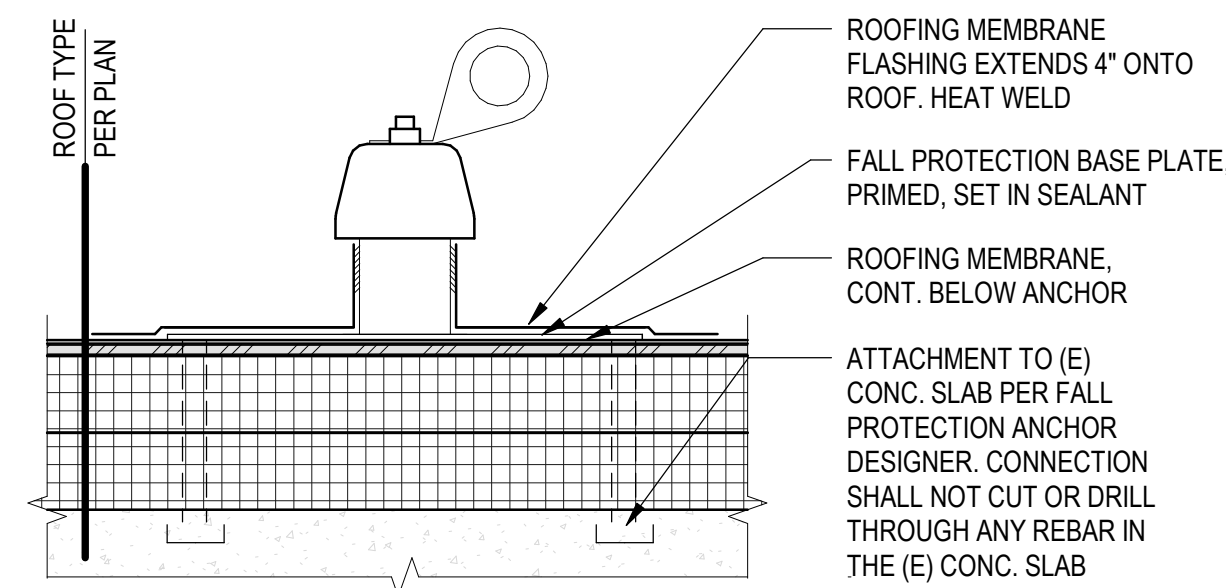
11 DOWNSPOUT PLAN @ APP
SCALE: 3" = 1'-0"



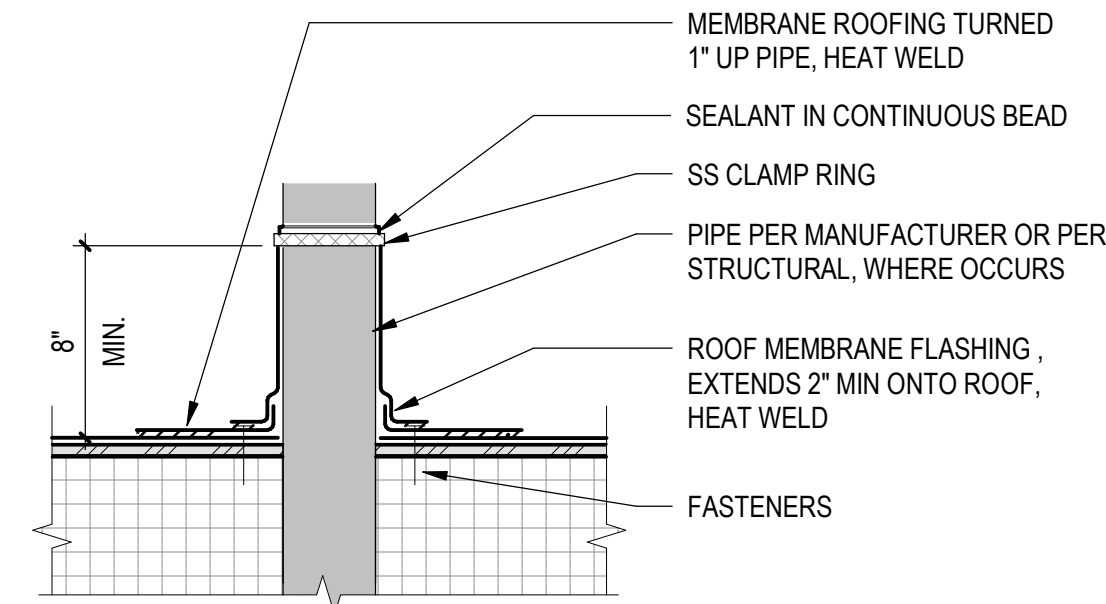
12 DOWNSPOUT PLAN @ MV-1
SCALE: 3" = 1'-0"



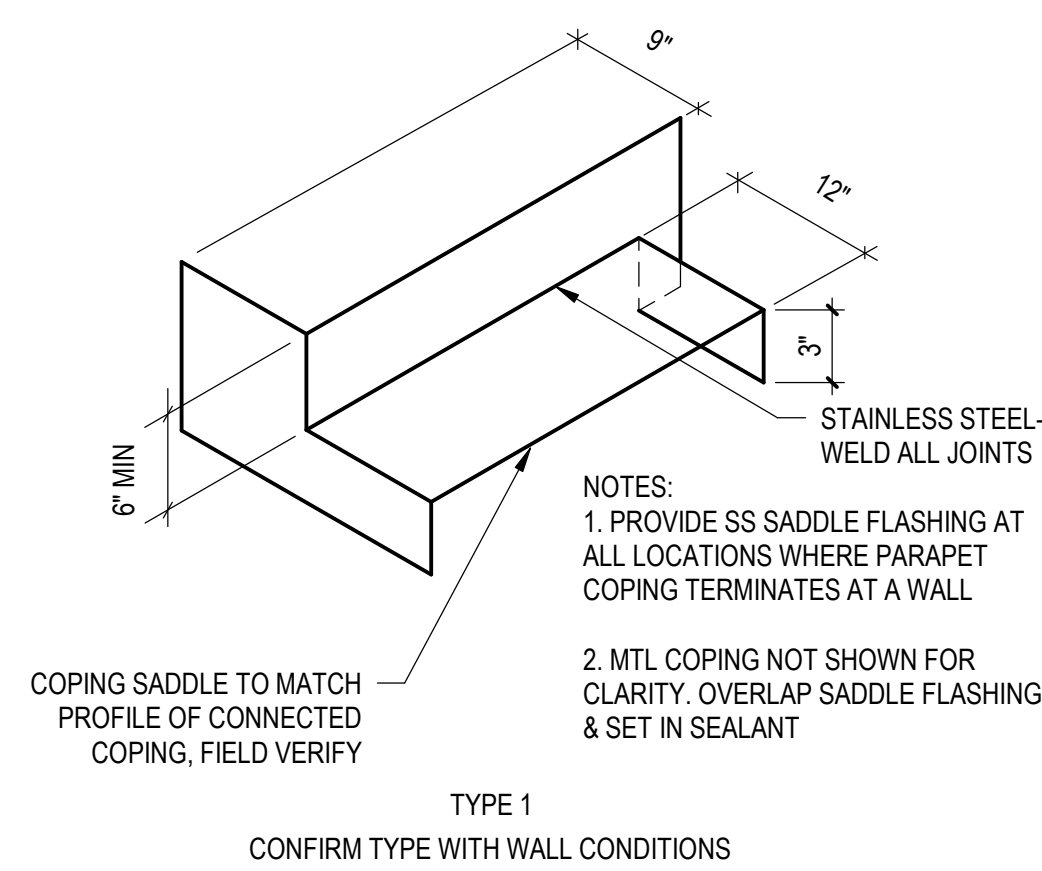
5 ROOF HATCH-(E) CONC.
SCALE: 1 1/2" = 1'-0"



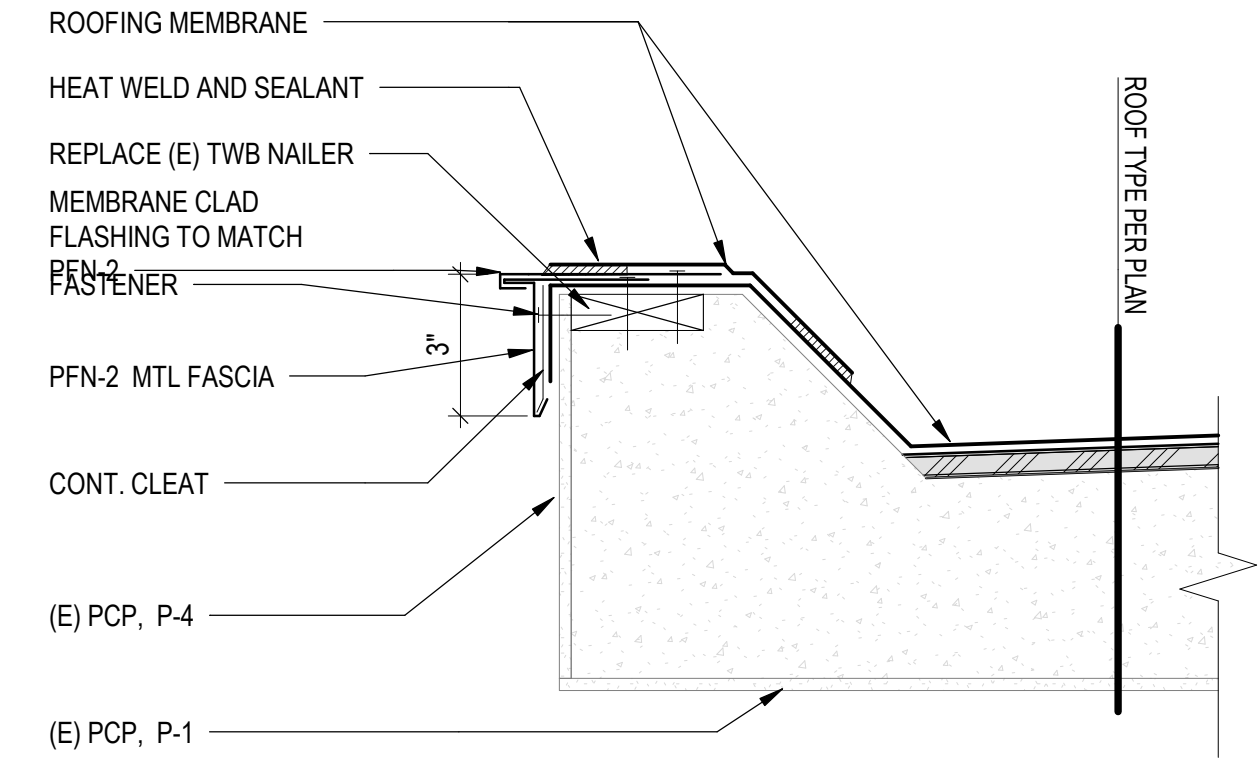
6 ROOF ANCHOR DETAIL-EXISTING SLAB
SCALE: 1 1/2" = 1'-0"



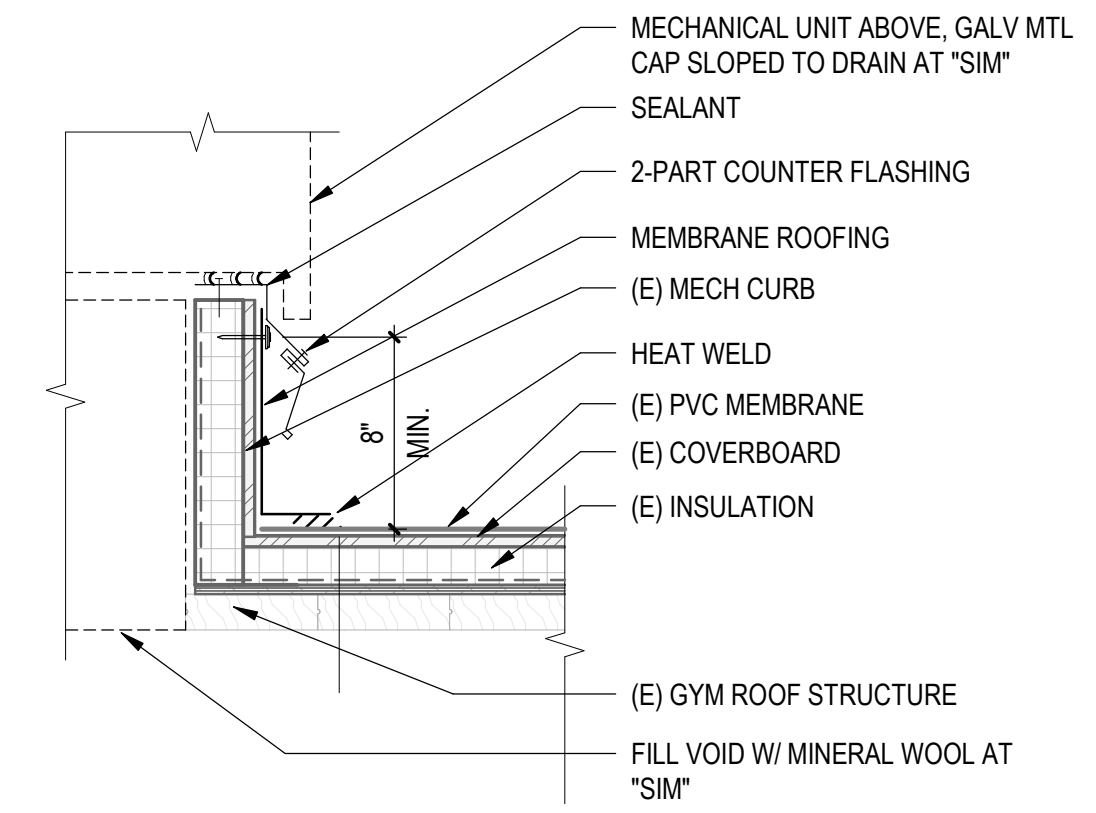
7 PIPE PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



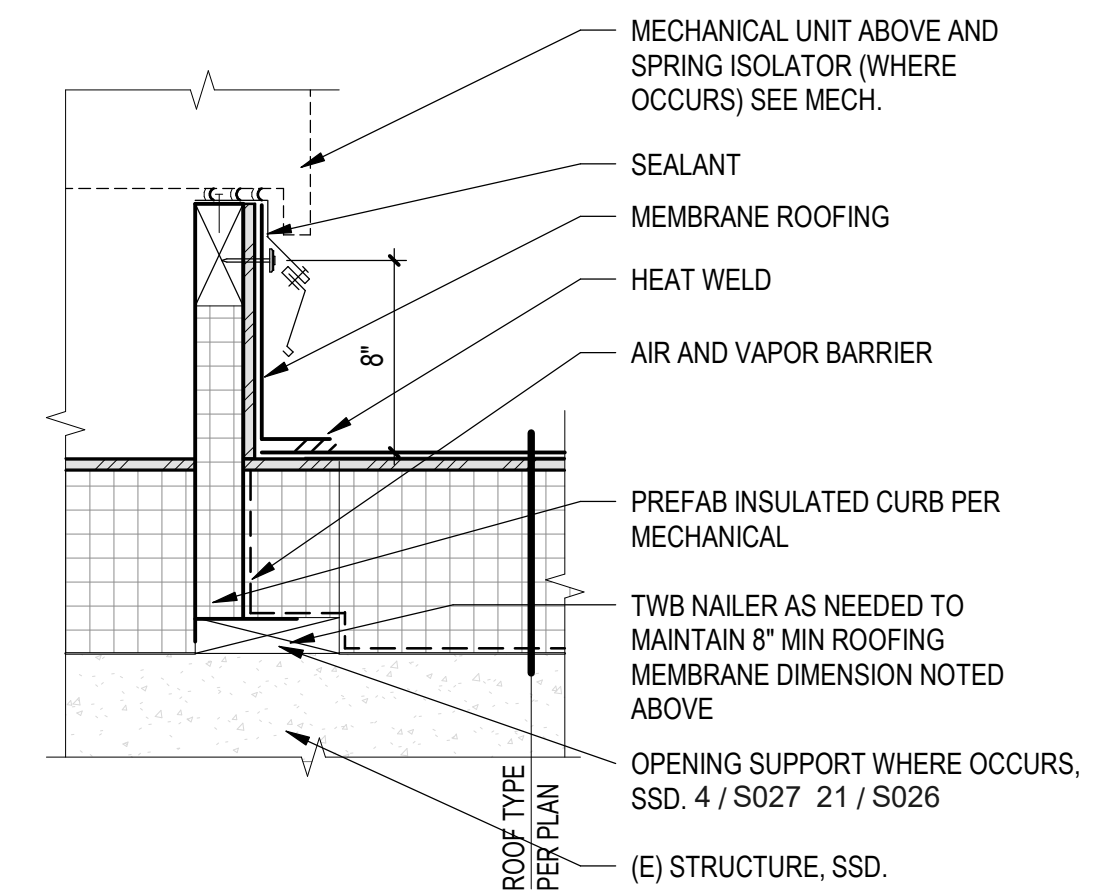
8 SADDLE FLASHING
SCALE: 1 1/2" = 1'-0"



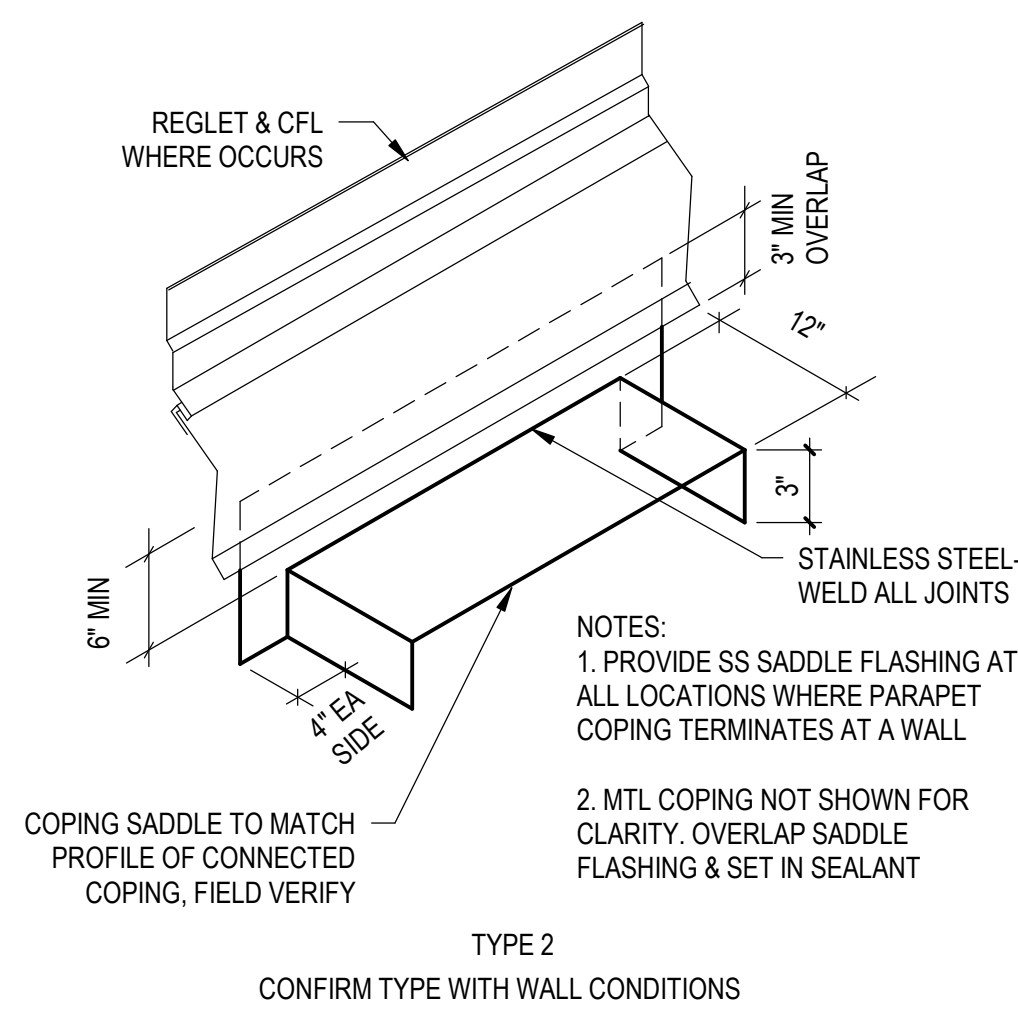
1 CONCRETE CANOPY EDGE
SCALE: 3" = 1'-0"



2 MECH CURB @ (E) GYM
SCALE: 1 1/2" = 1'-0"



3 MECH CURB @ (E) CONC.
SCALE: 1 1/2" = 1'-0"

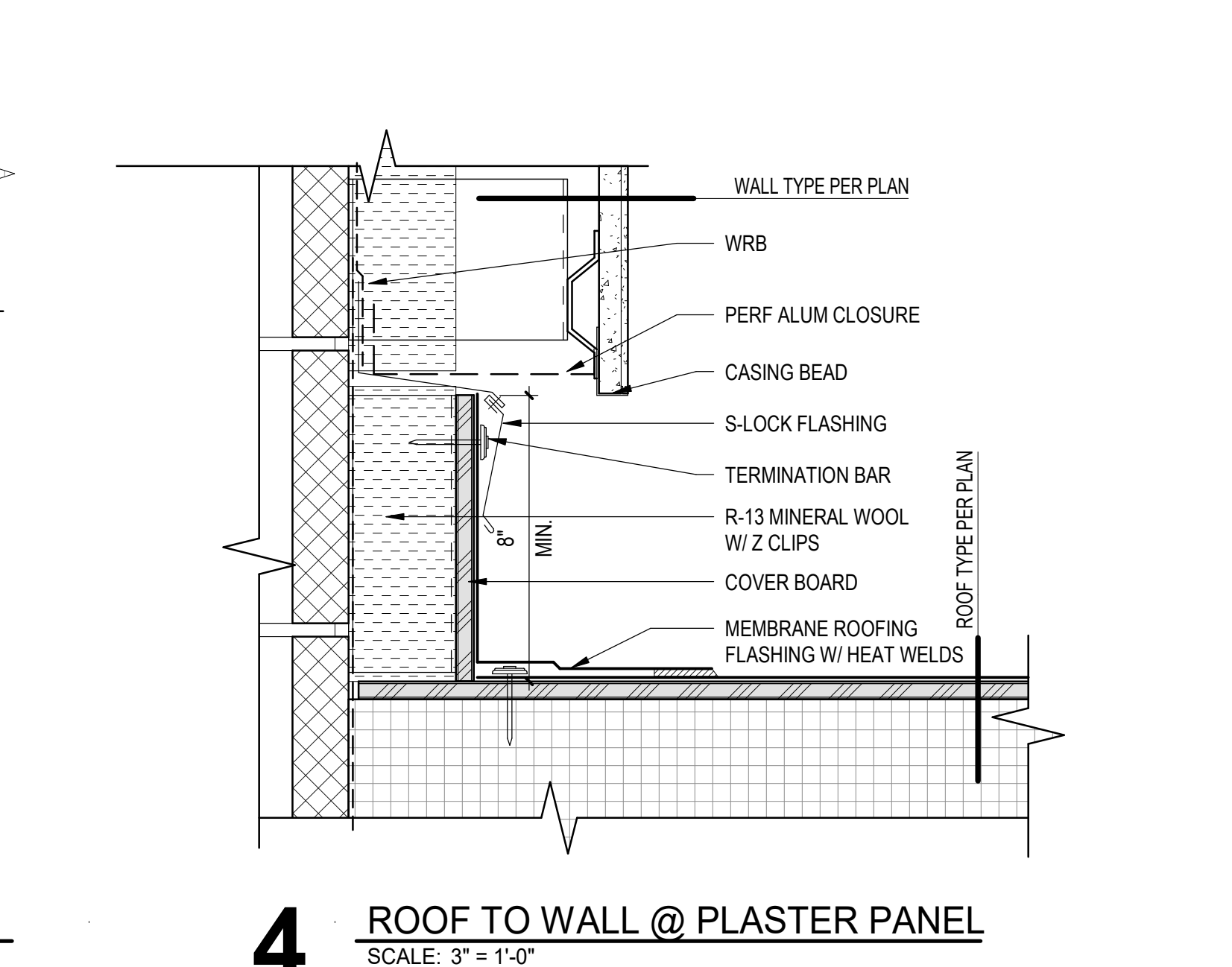
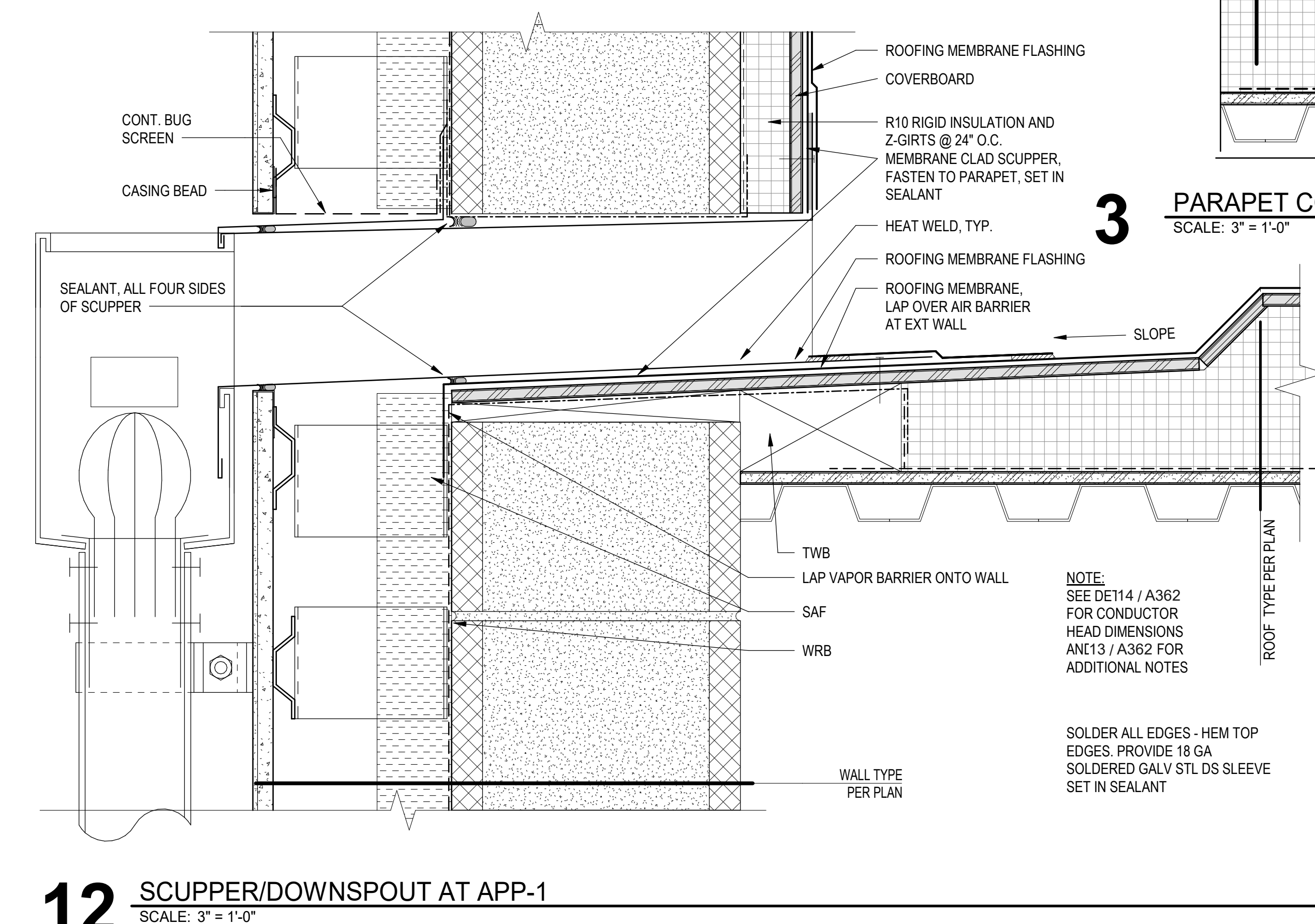
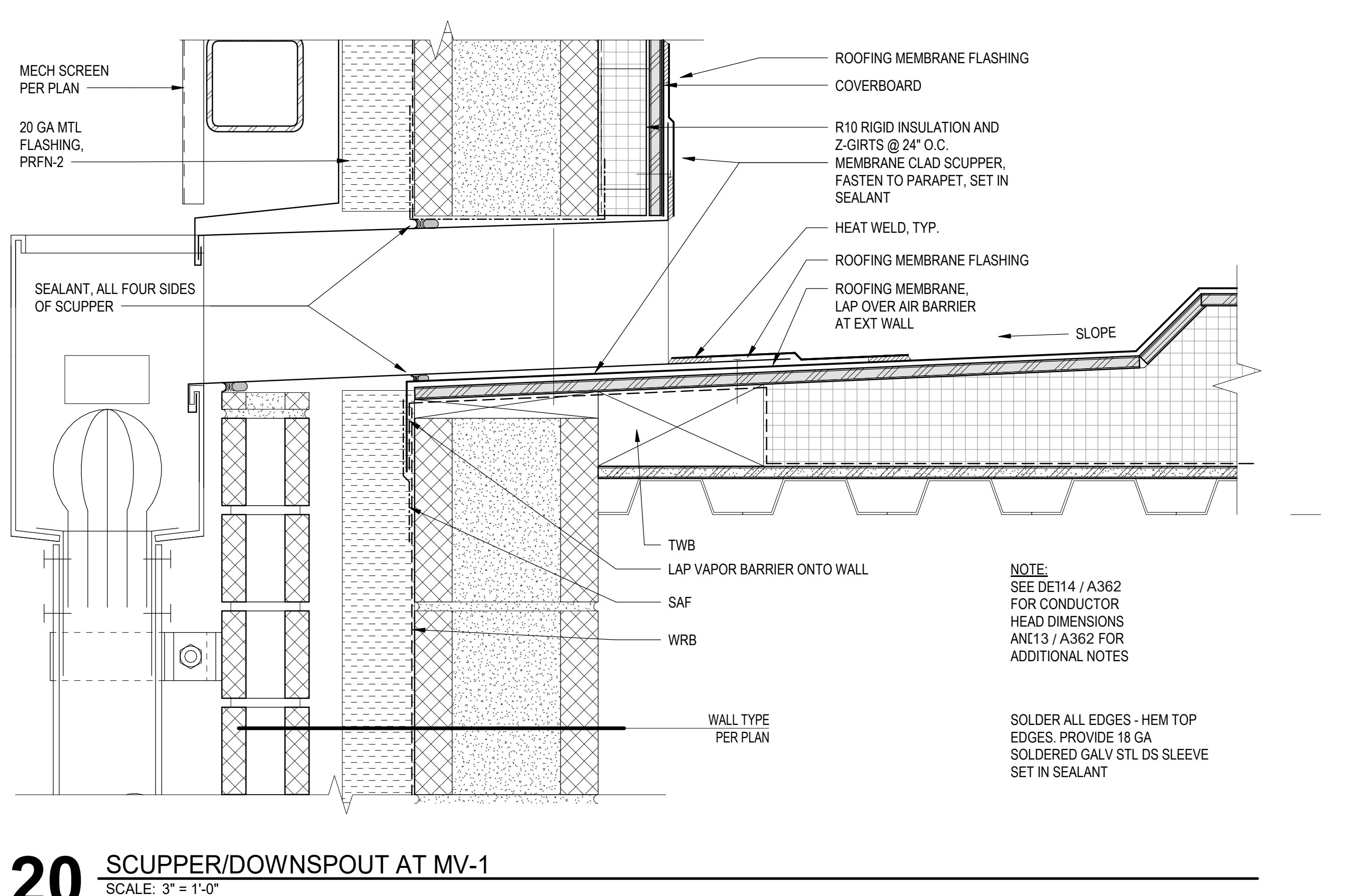
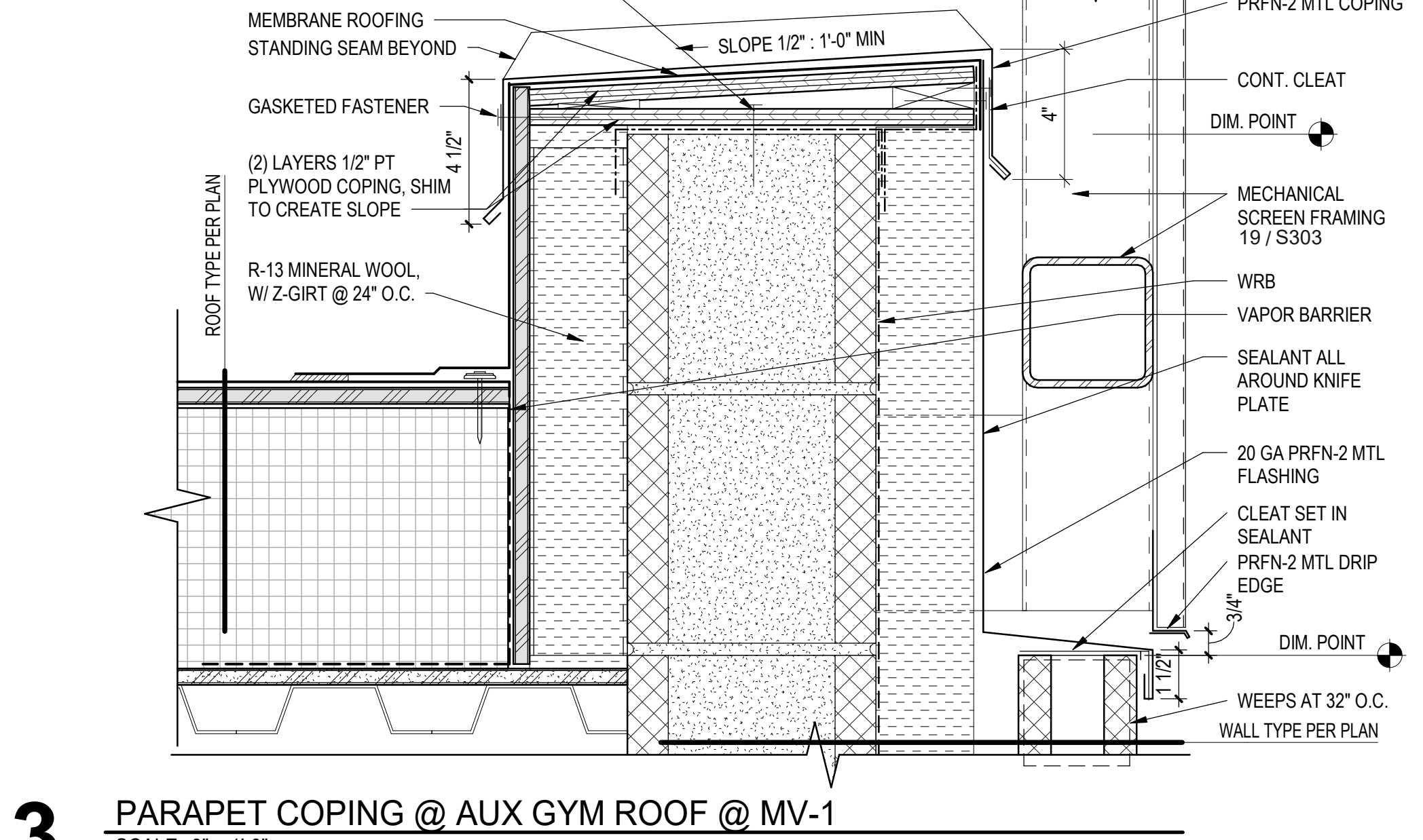
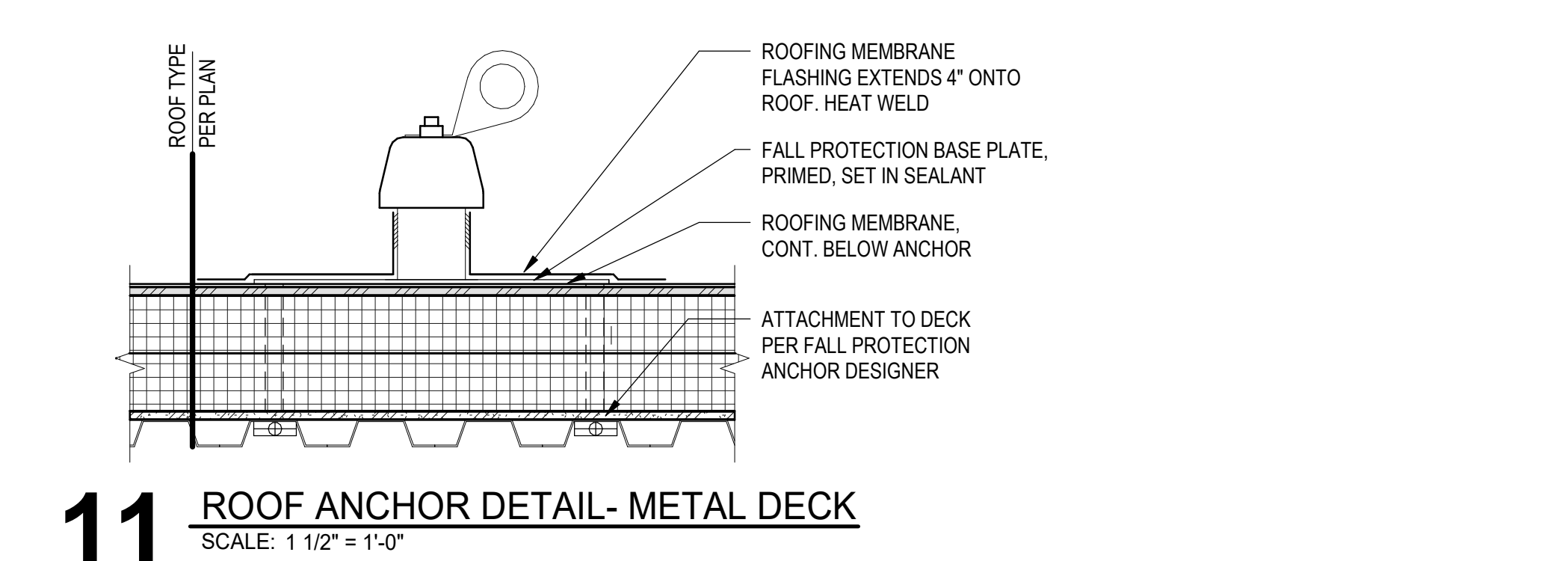
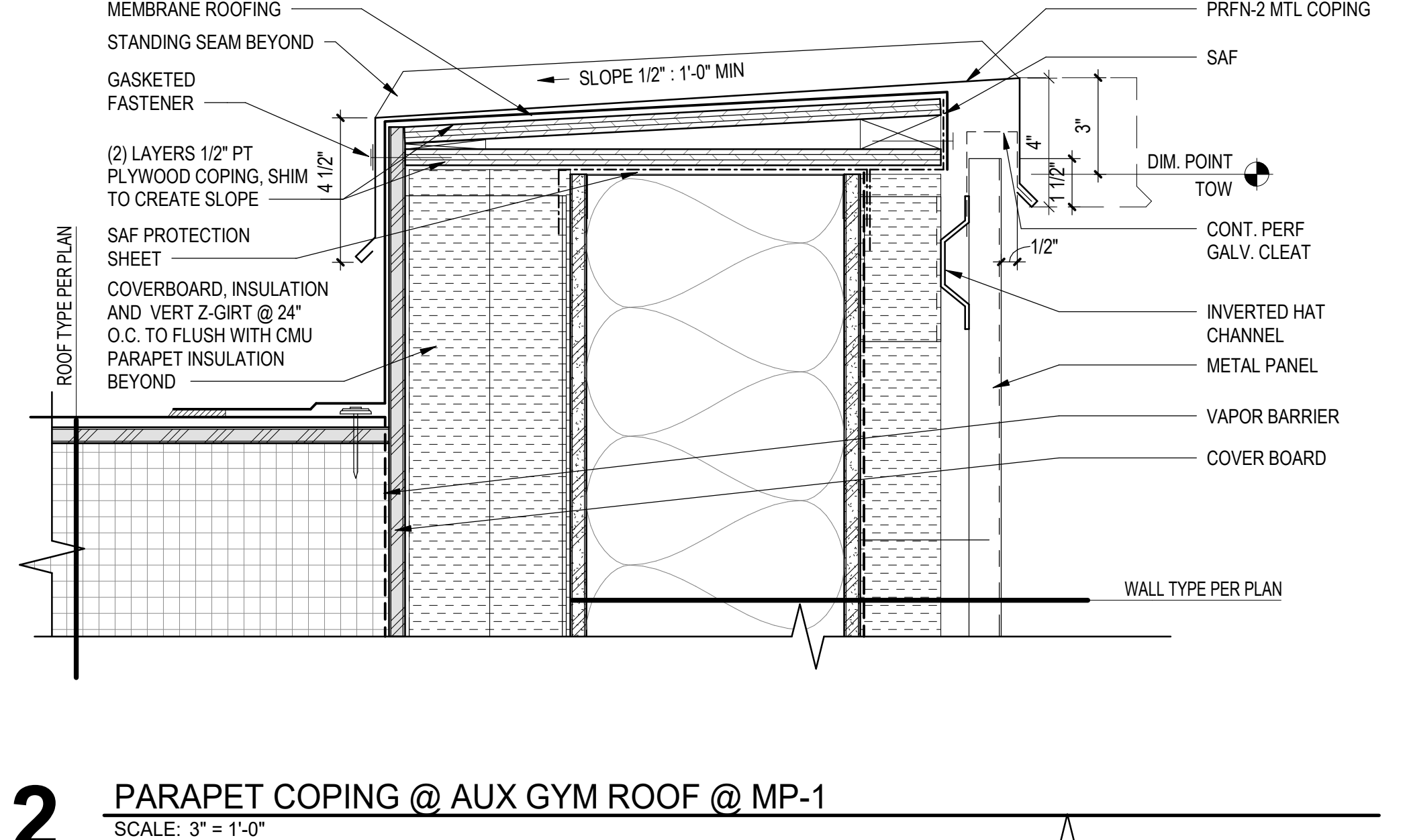
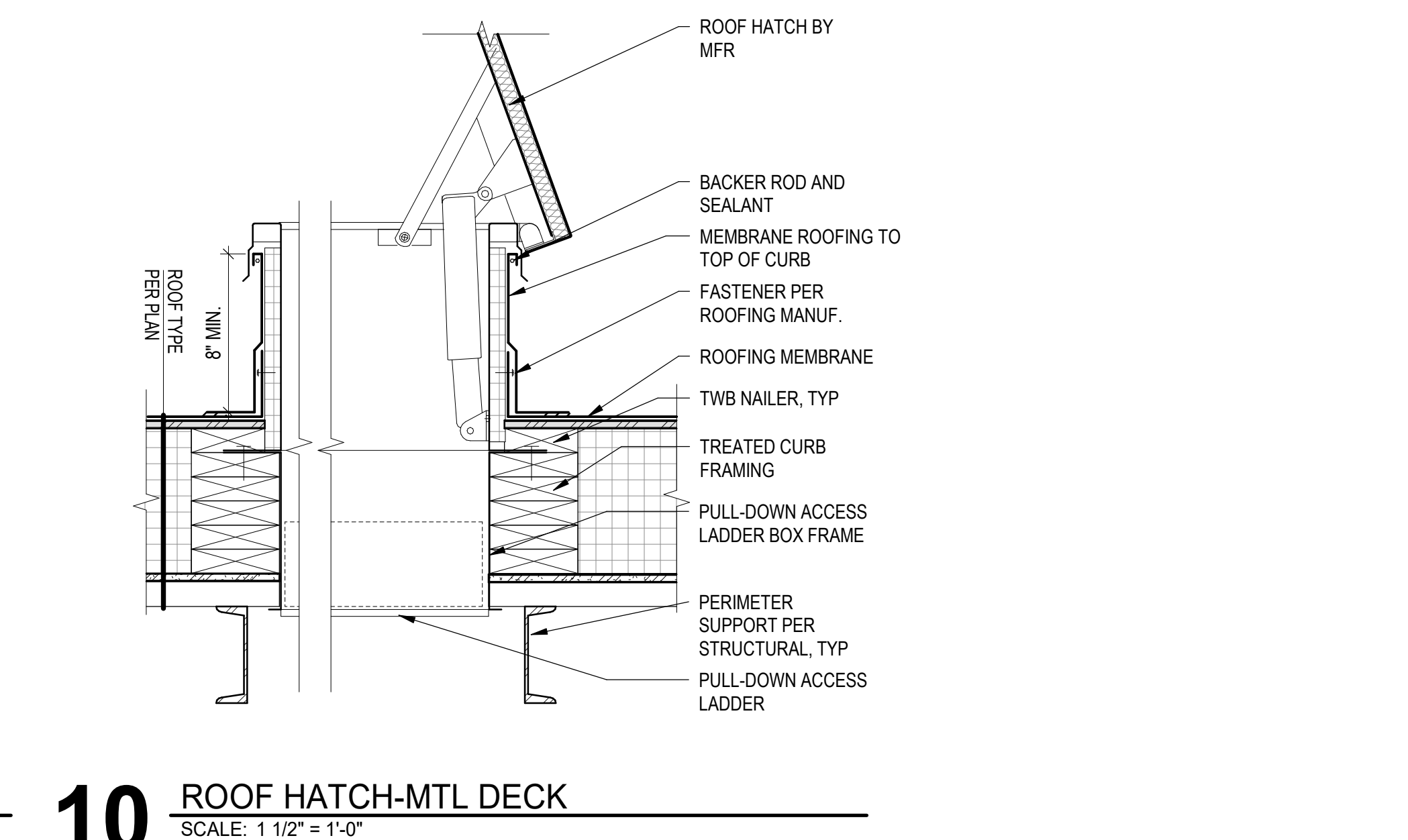
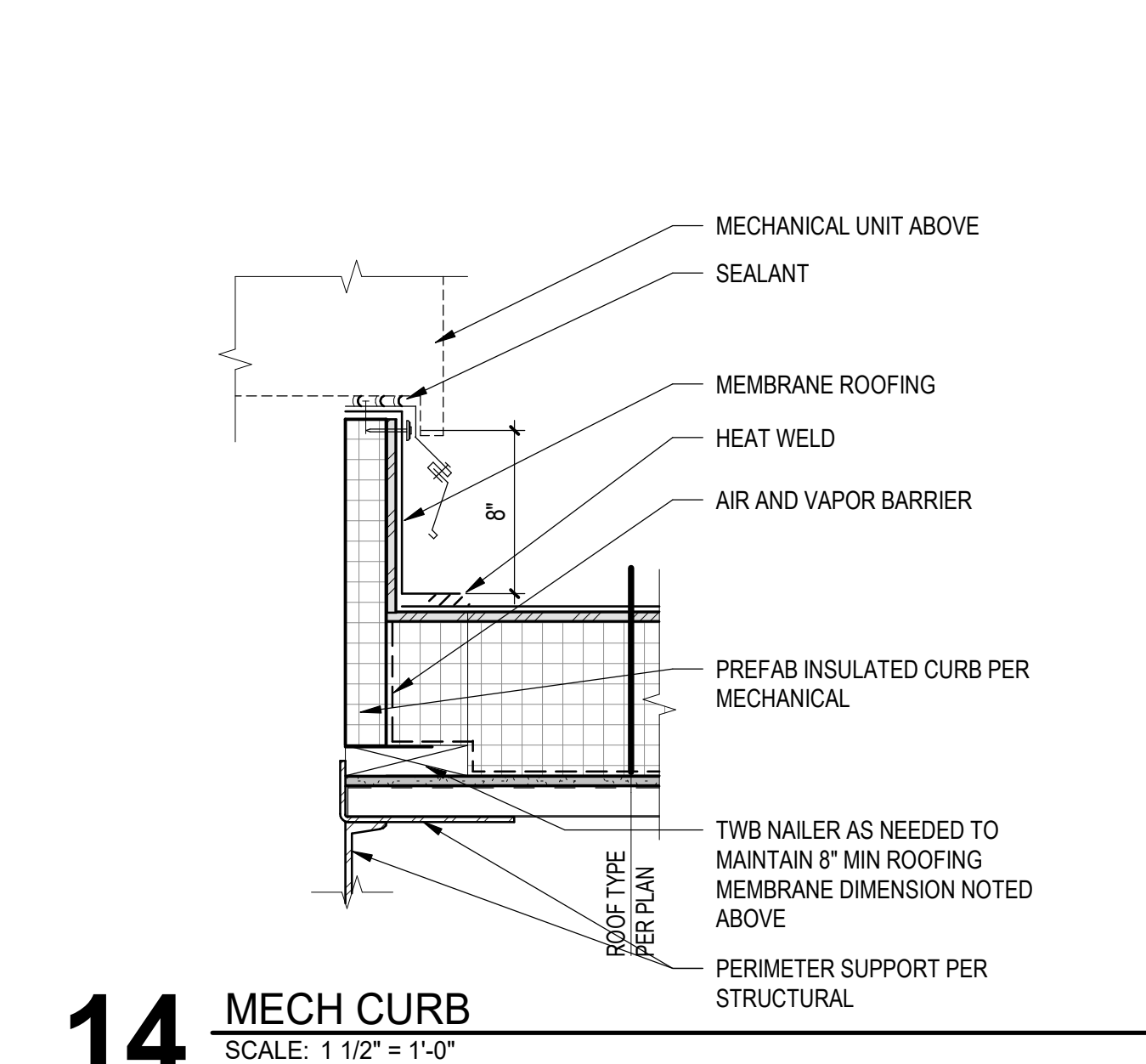
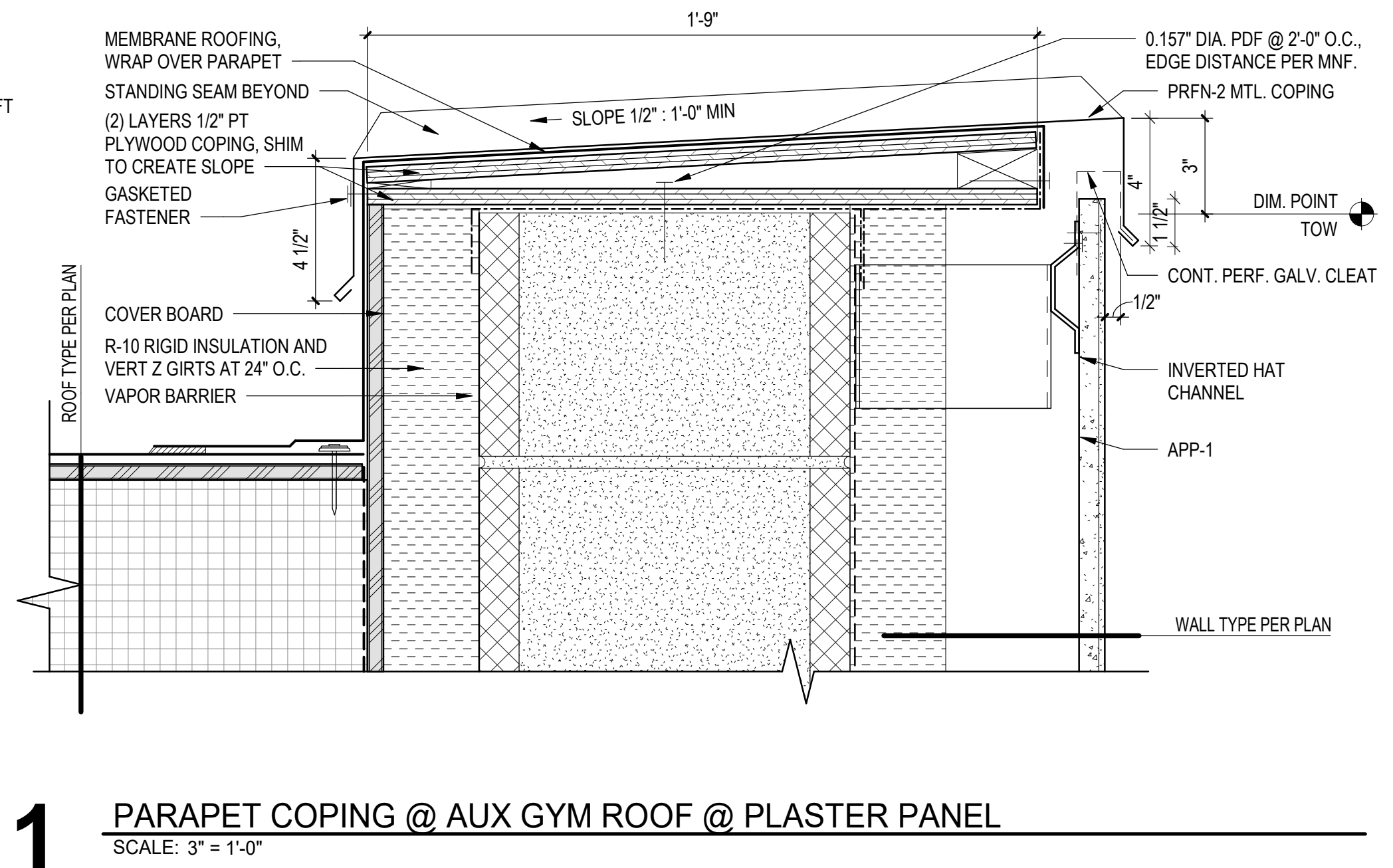
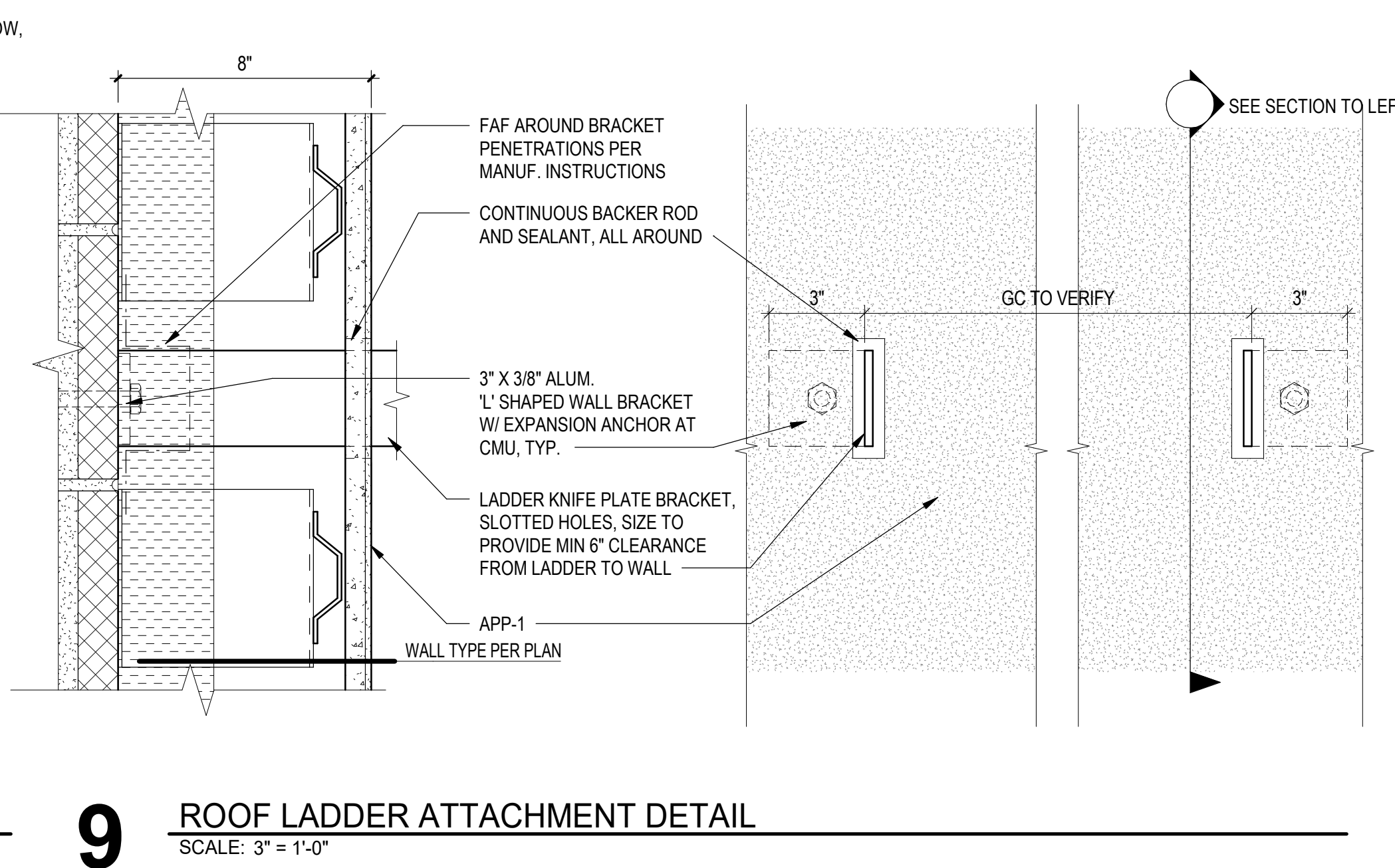
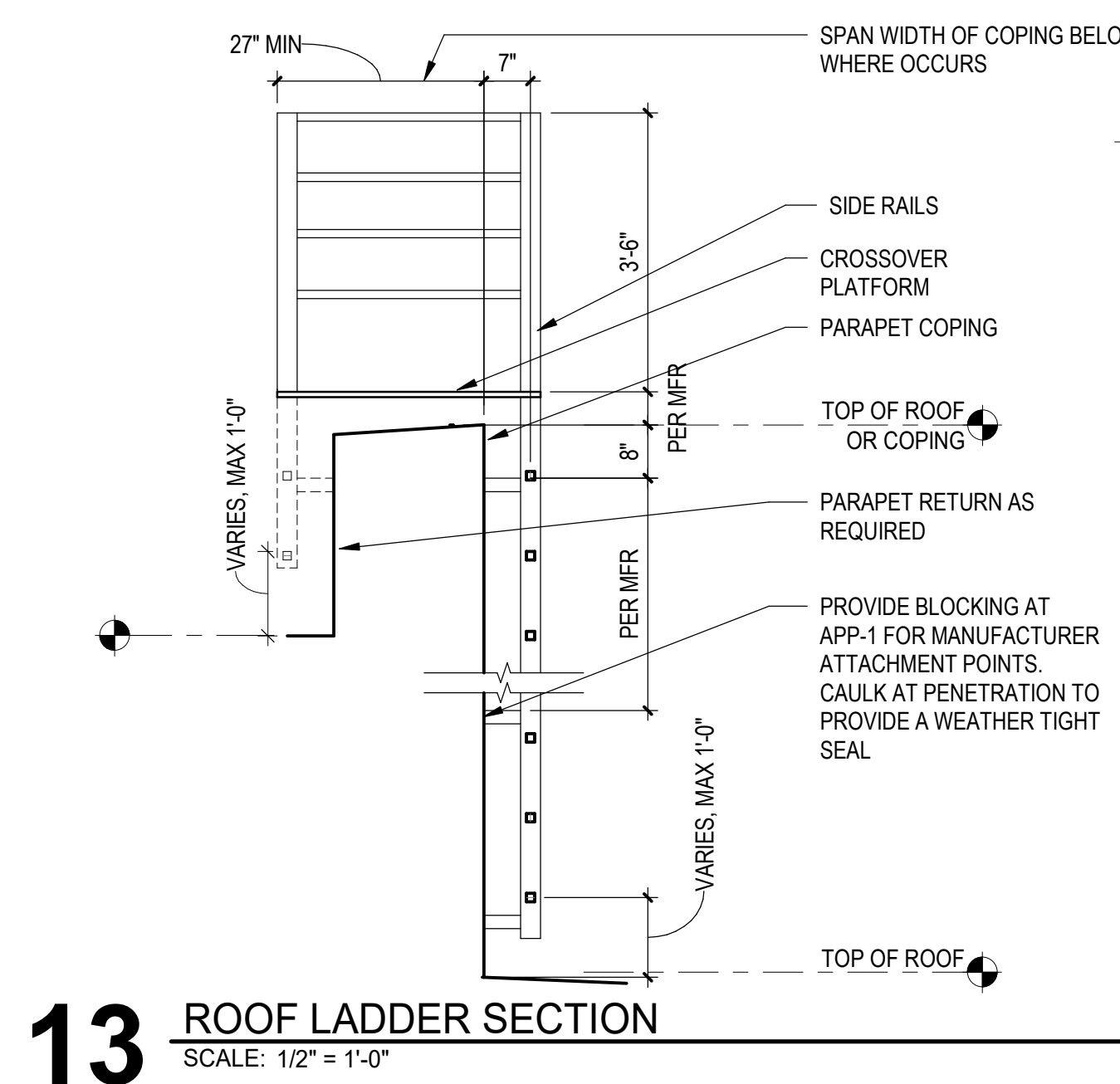
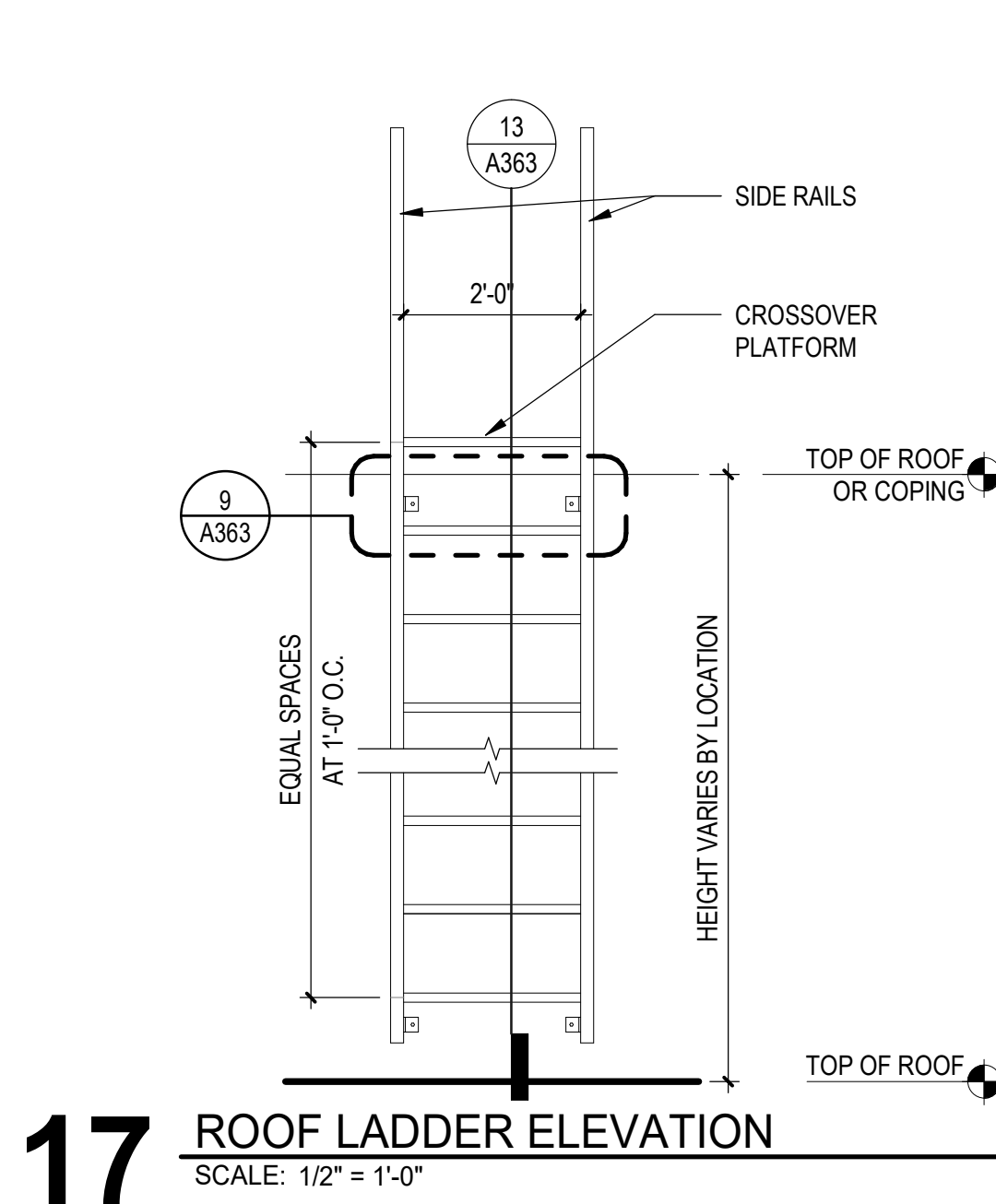


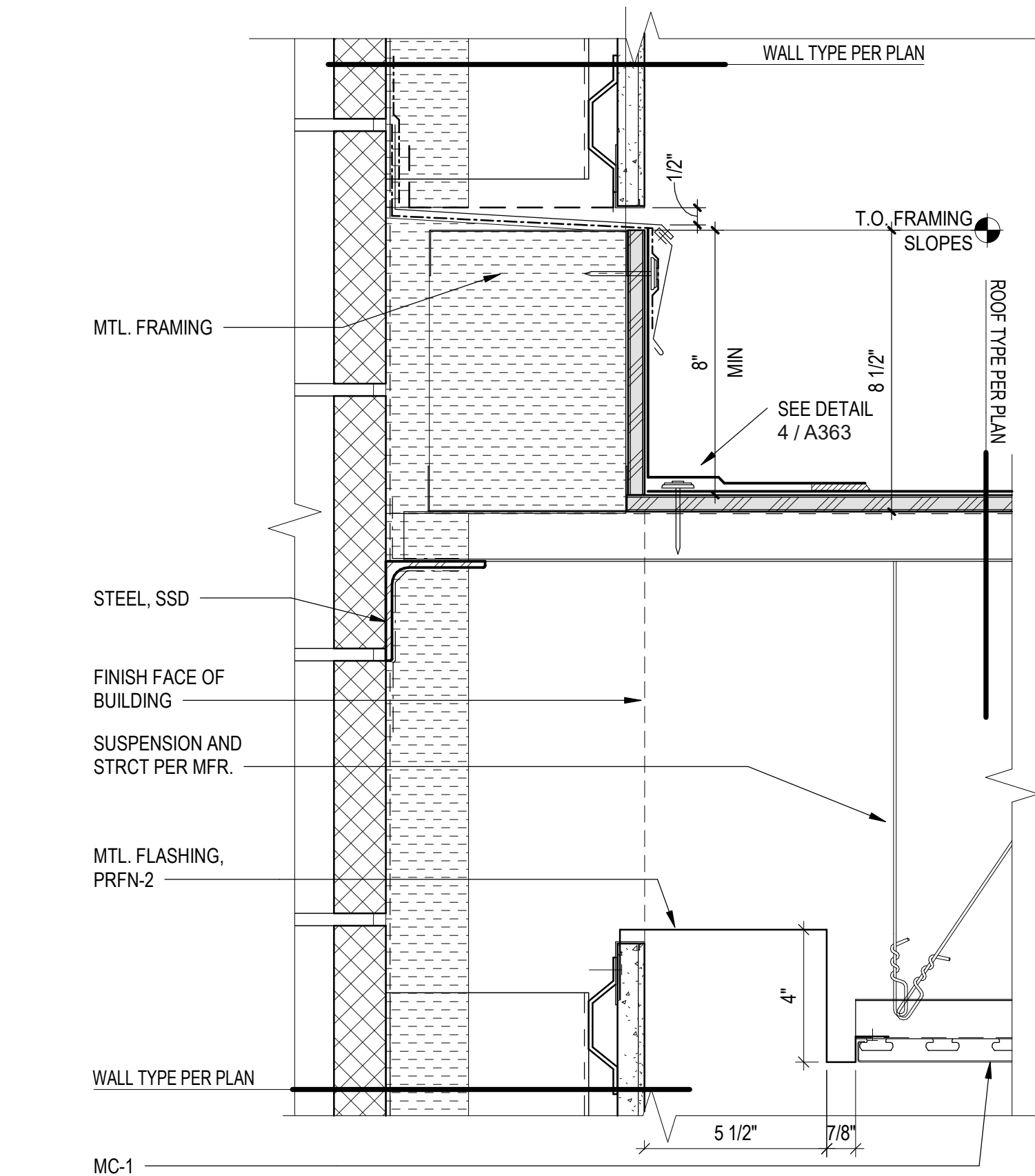
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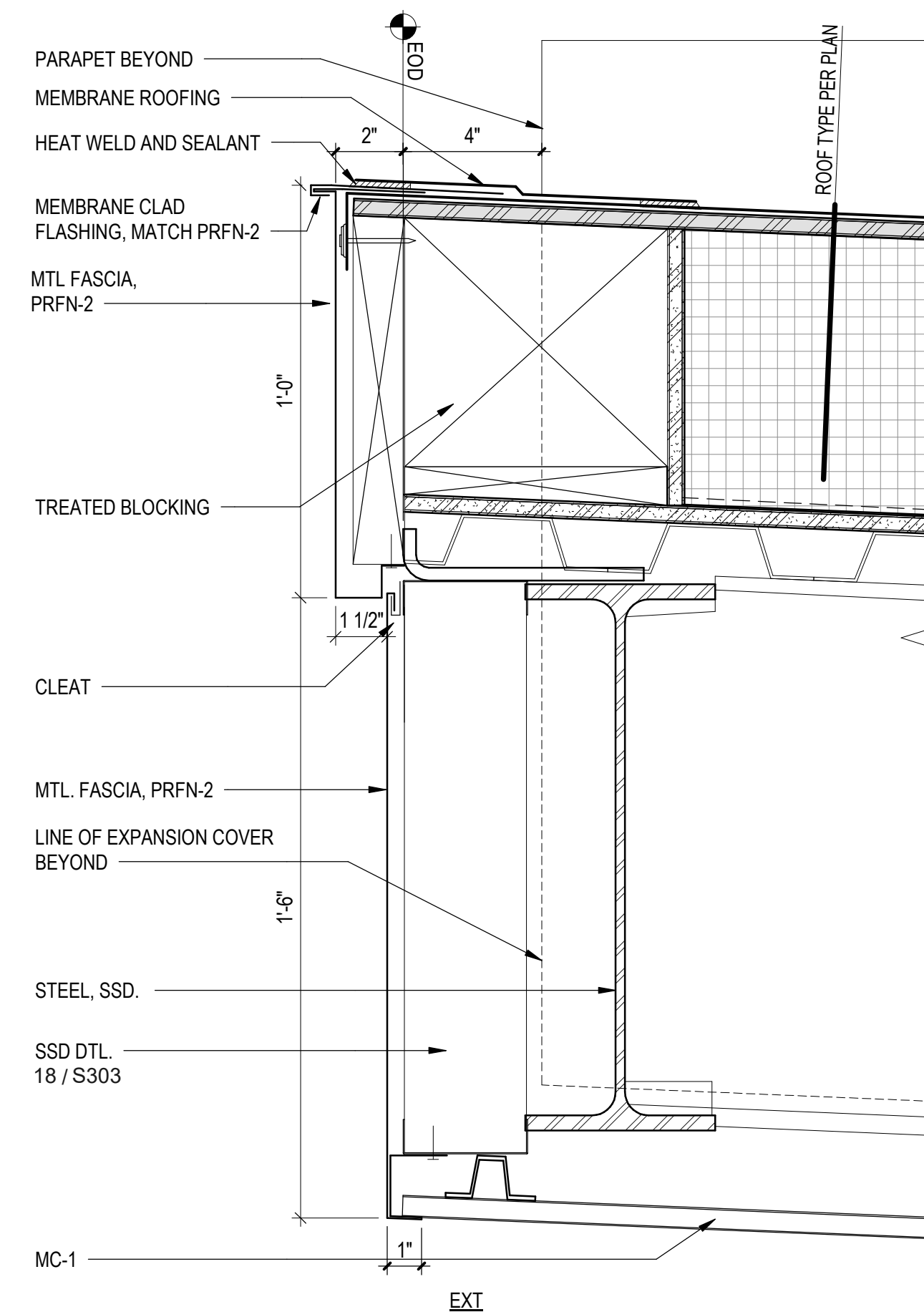
DETAILS -
PARAPET /
ROOF

A362

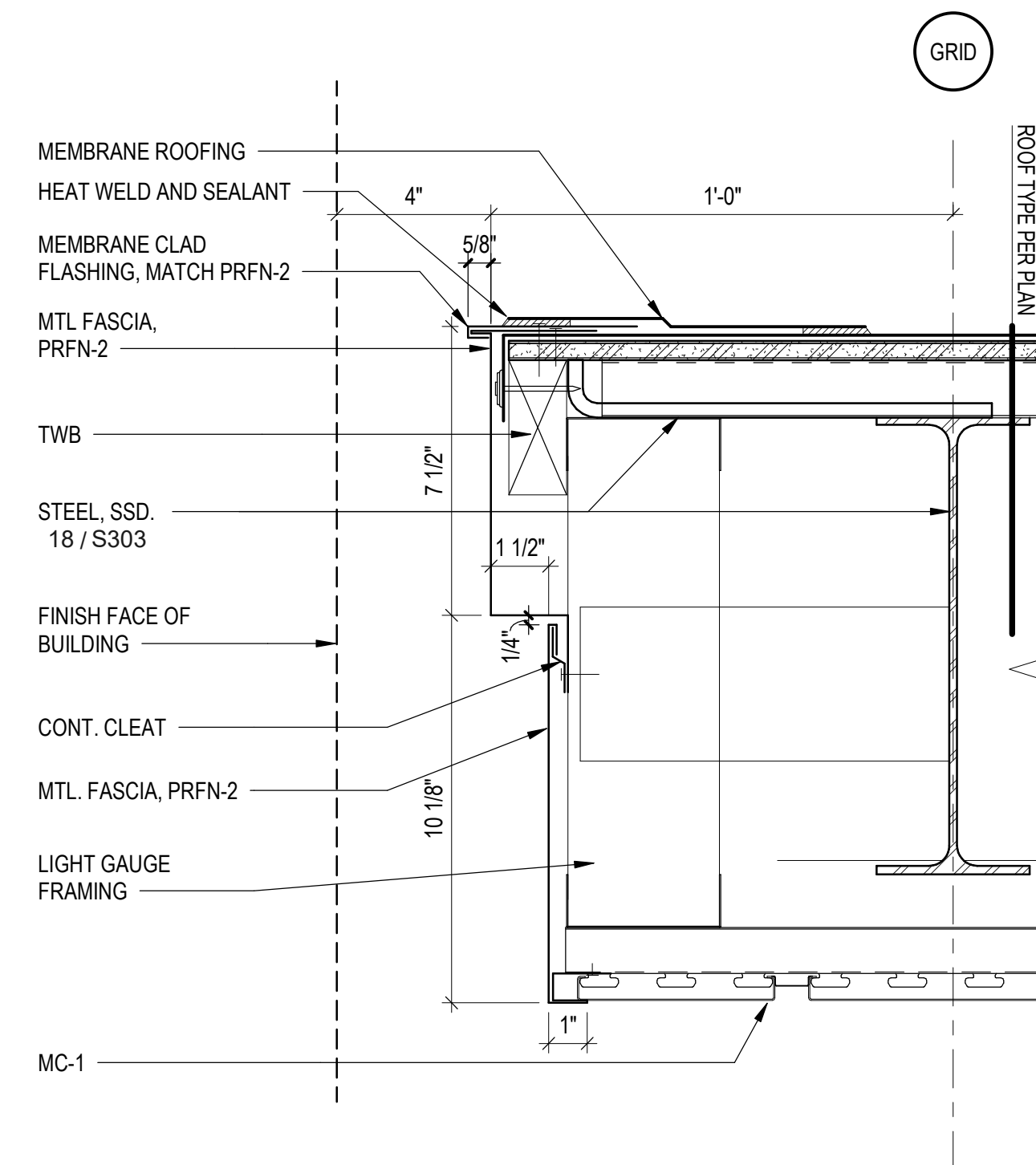




19 CANOPY @ AUX GYM
SCALE: 3" = 1'-0"

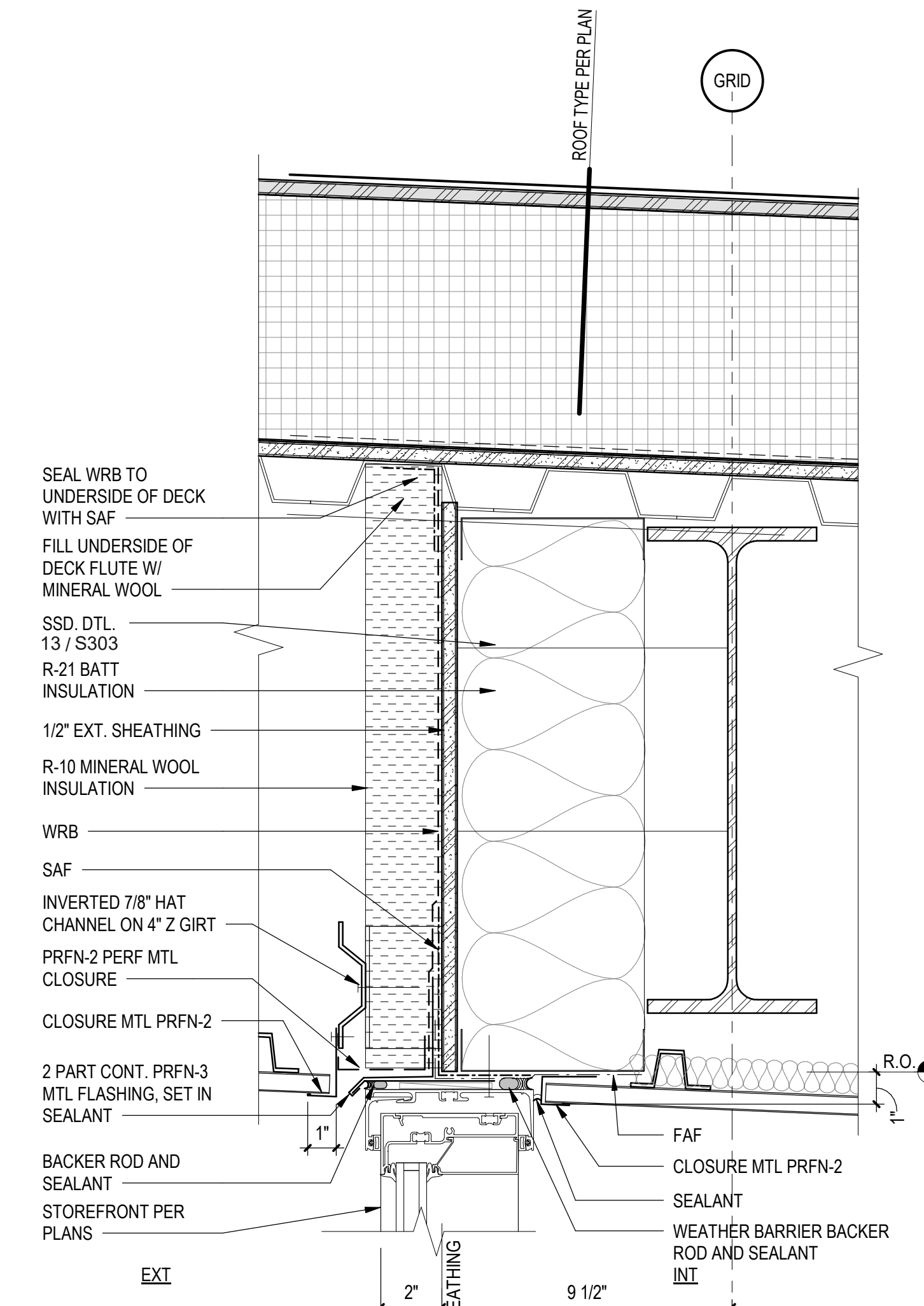


14 ROOF EDGE @ VESTIBULE
SCALE: 3" = 1'-0"

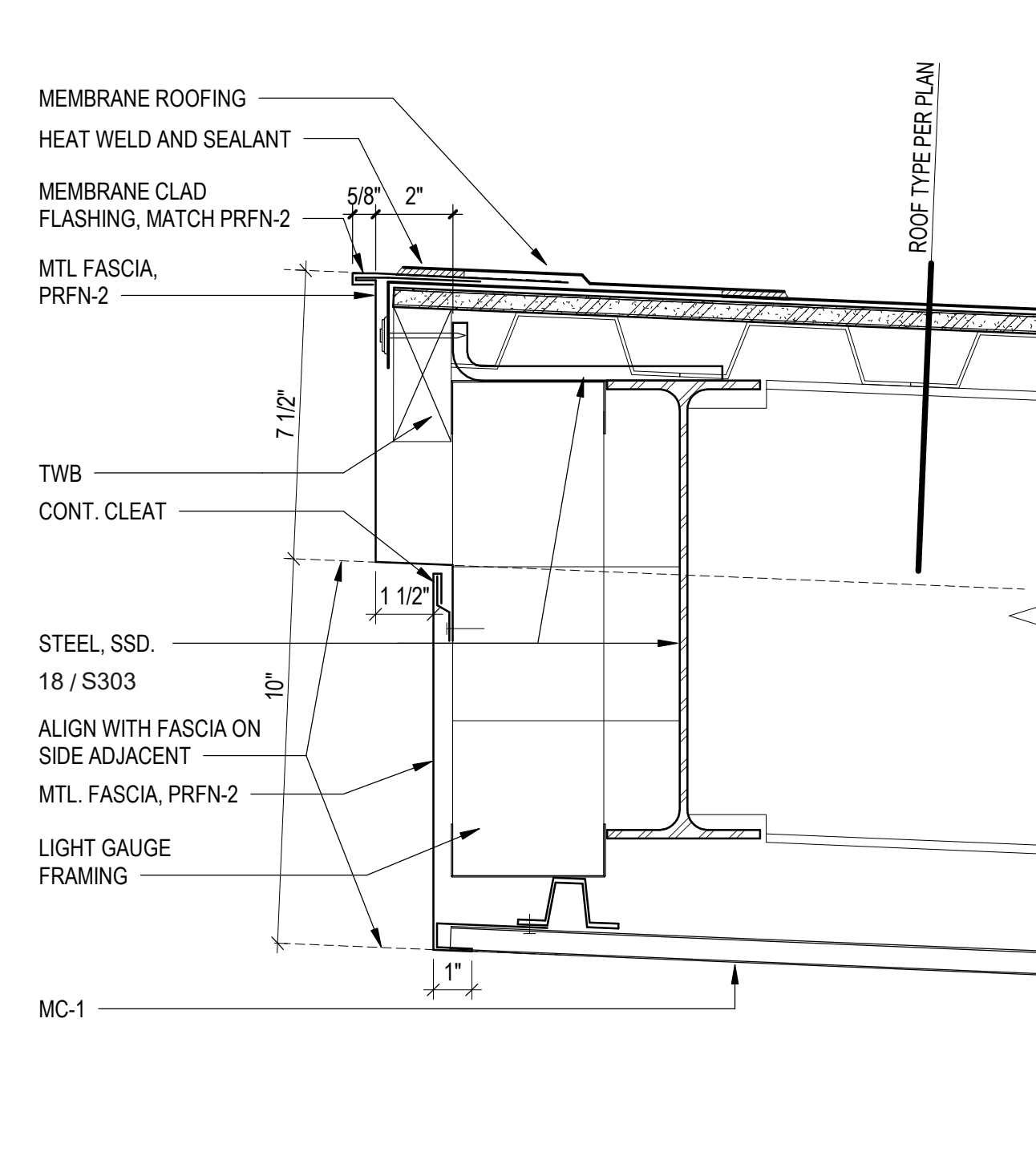


15 RAKE @ CANOPY
SCALE: 3" = 1'-0"

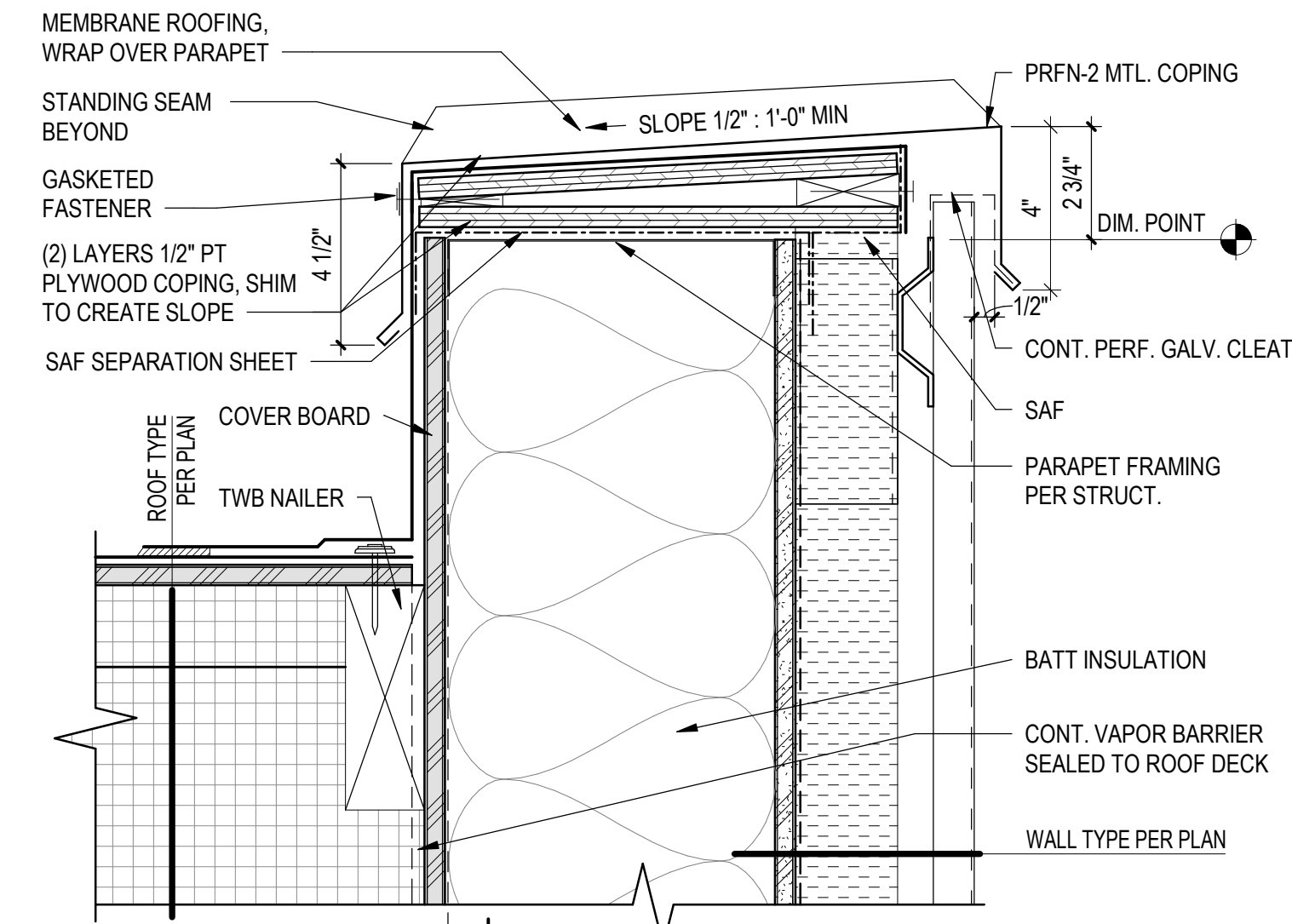
9 COPING @ MECH SCREEN
SCALE: 3" = 1'-0"



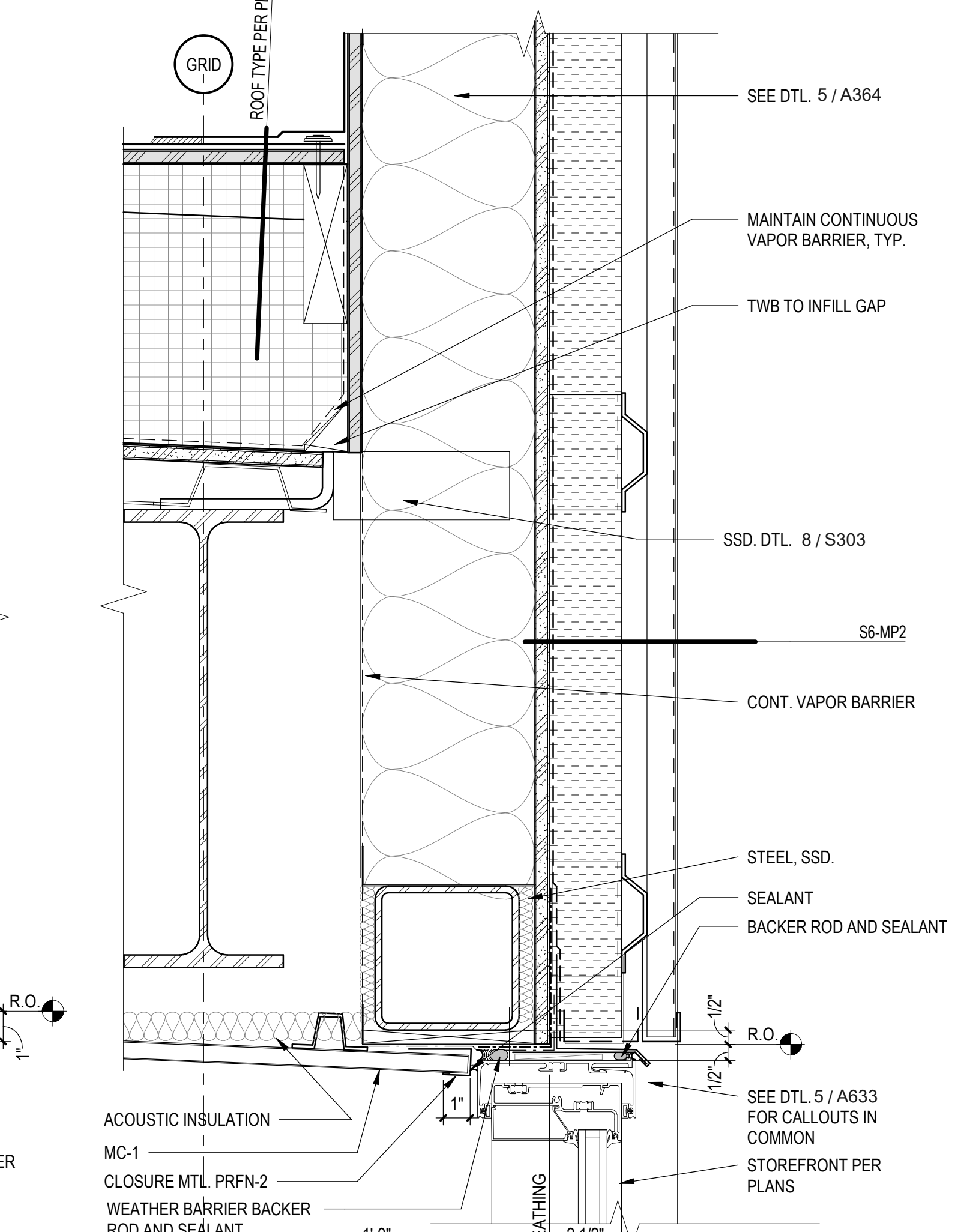
10 STOREFRONT @ VESTIBULE W - HEAD
SCALE: 3" = 1'-0"



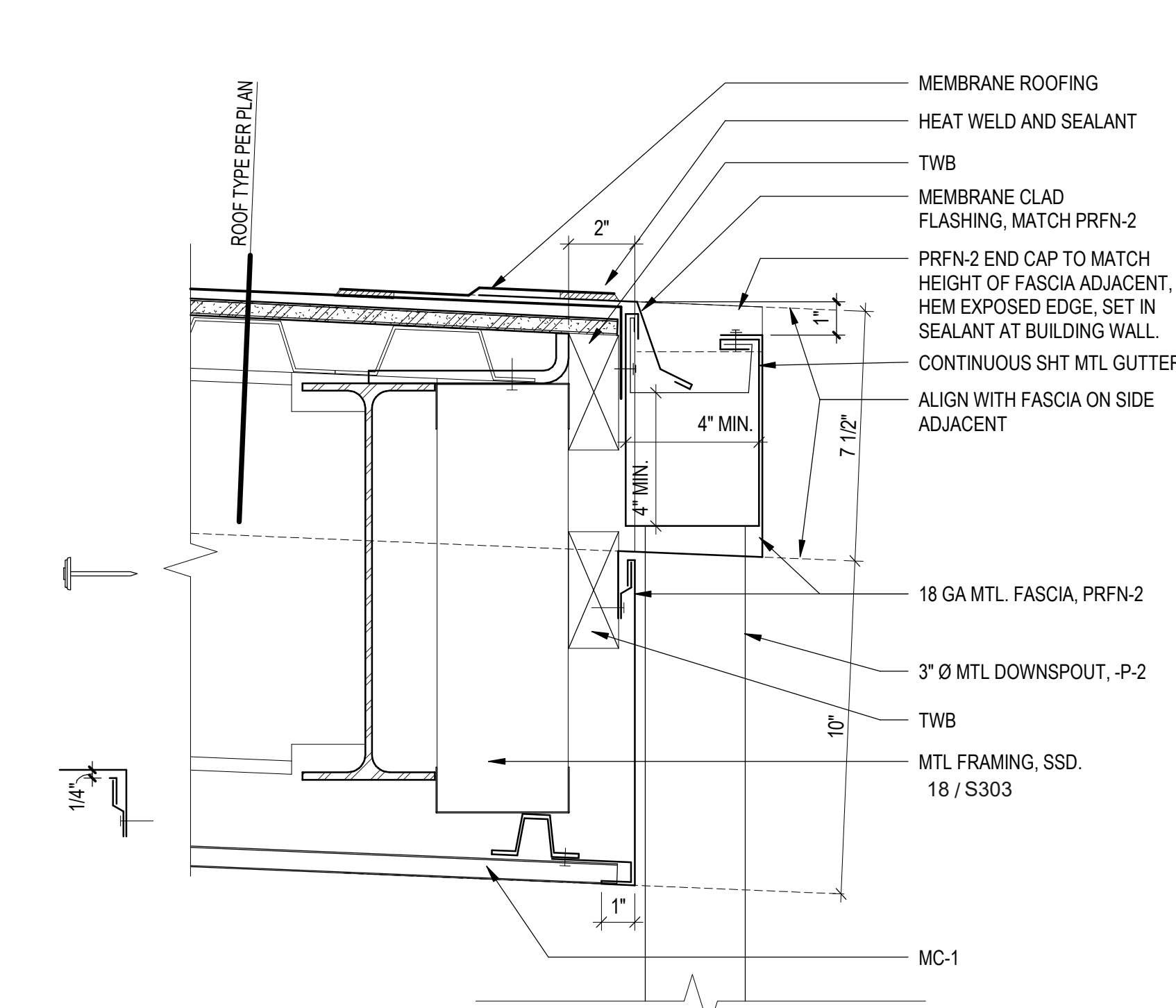
11 ROOF EDGE @ CANOPY
SCALE: 3" = 1'-0"



5 PARAPET @ METAL PANEL
SCALE: 3" = 1'-0"

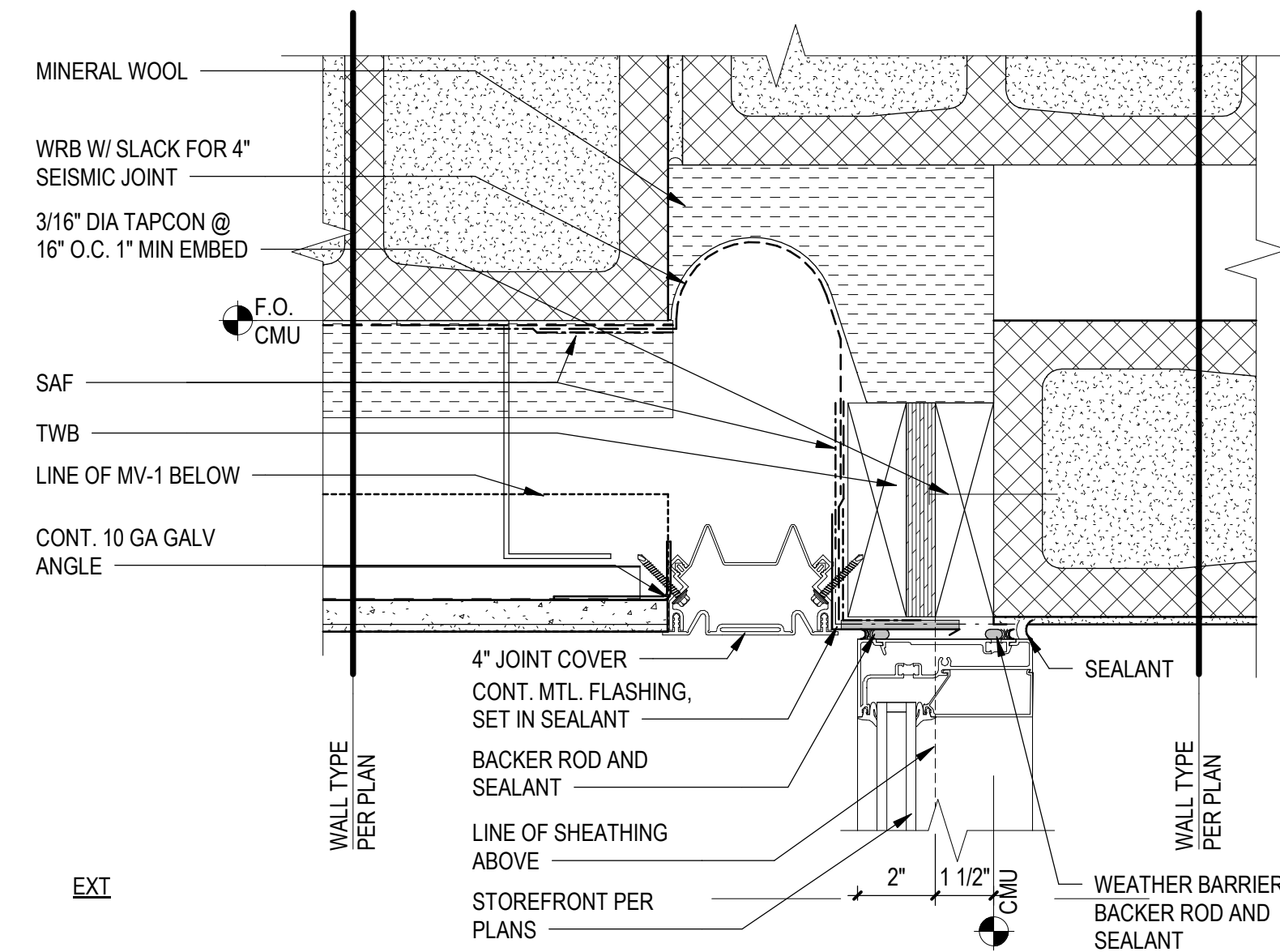


7 STOREFRONT HEAD AT VESTIBULE EAST
SCALE: 3" = 1'-0"

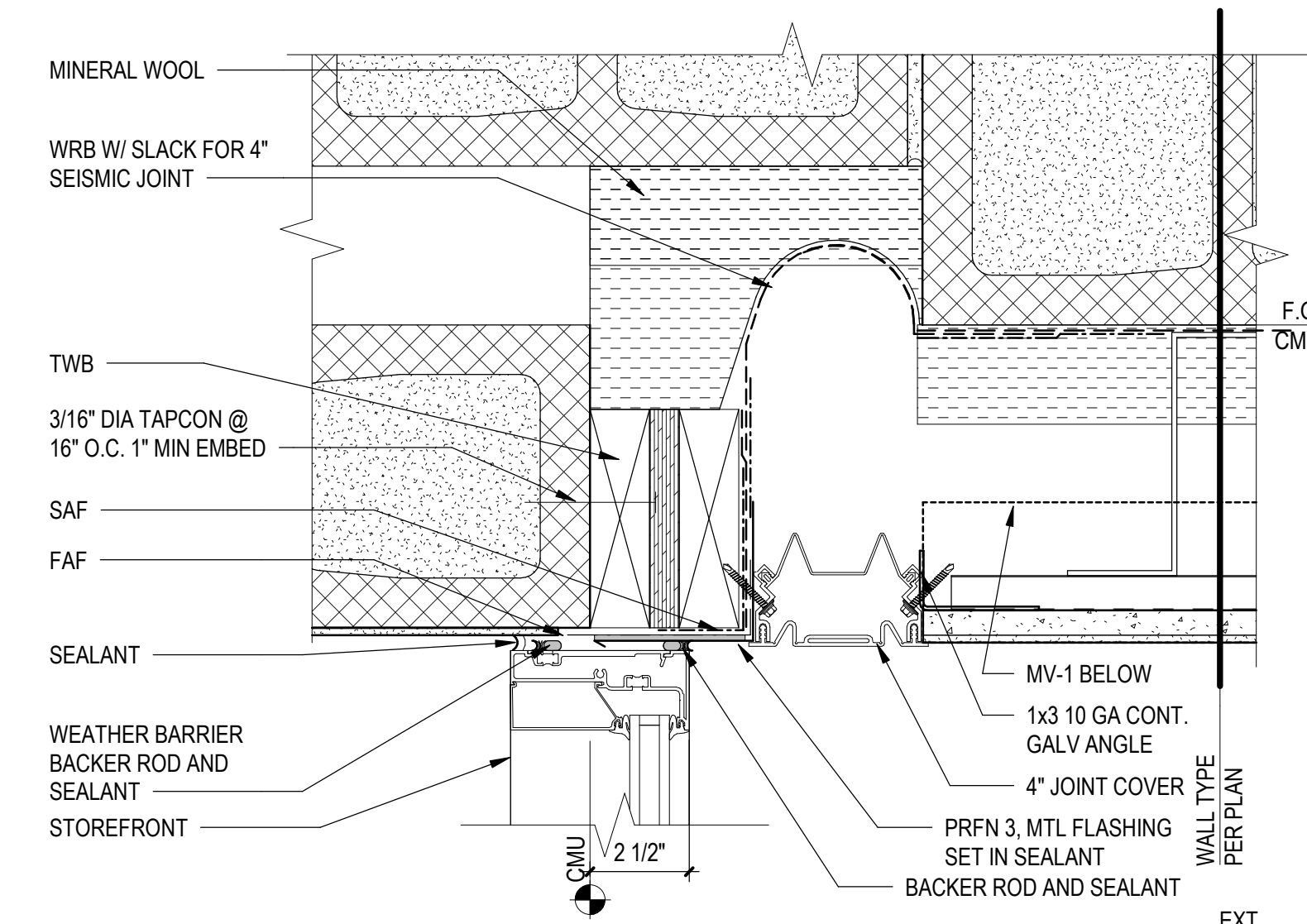


8 GUTTER @ CANOPY
SCALE: 3" = 1'-0"

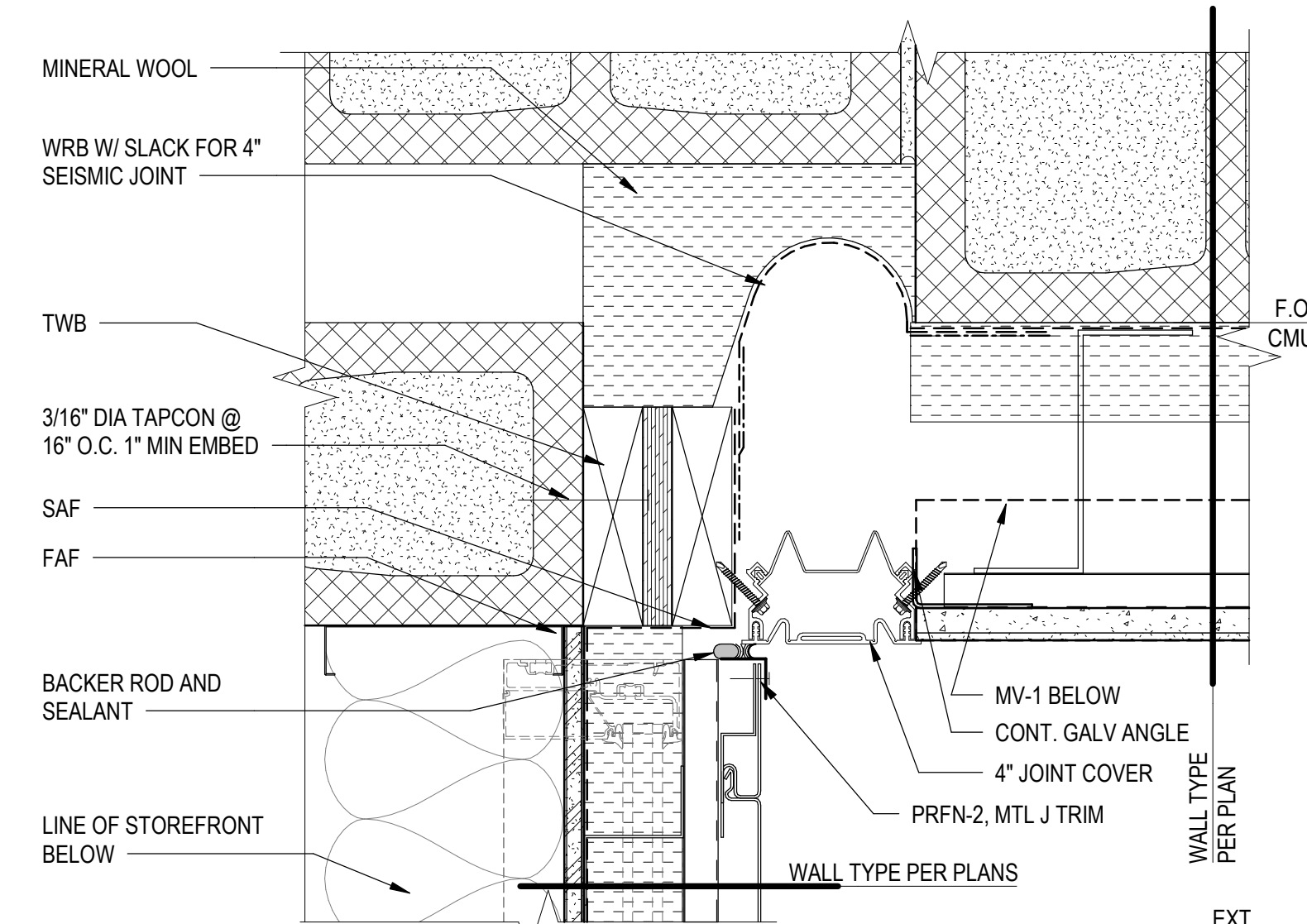




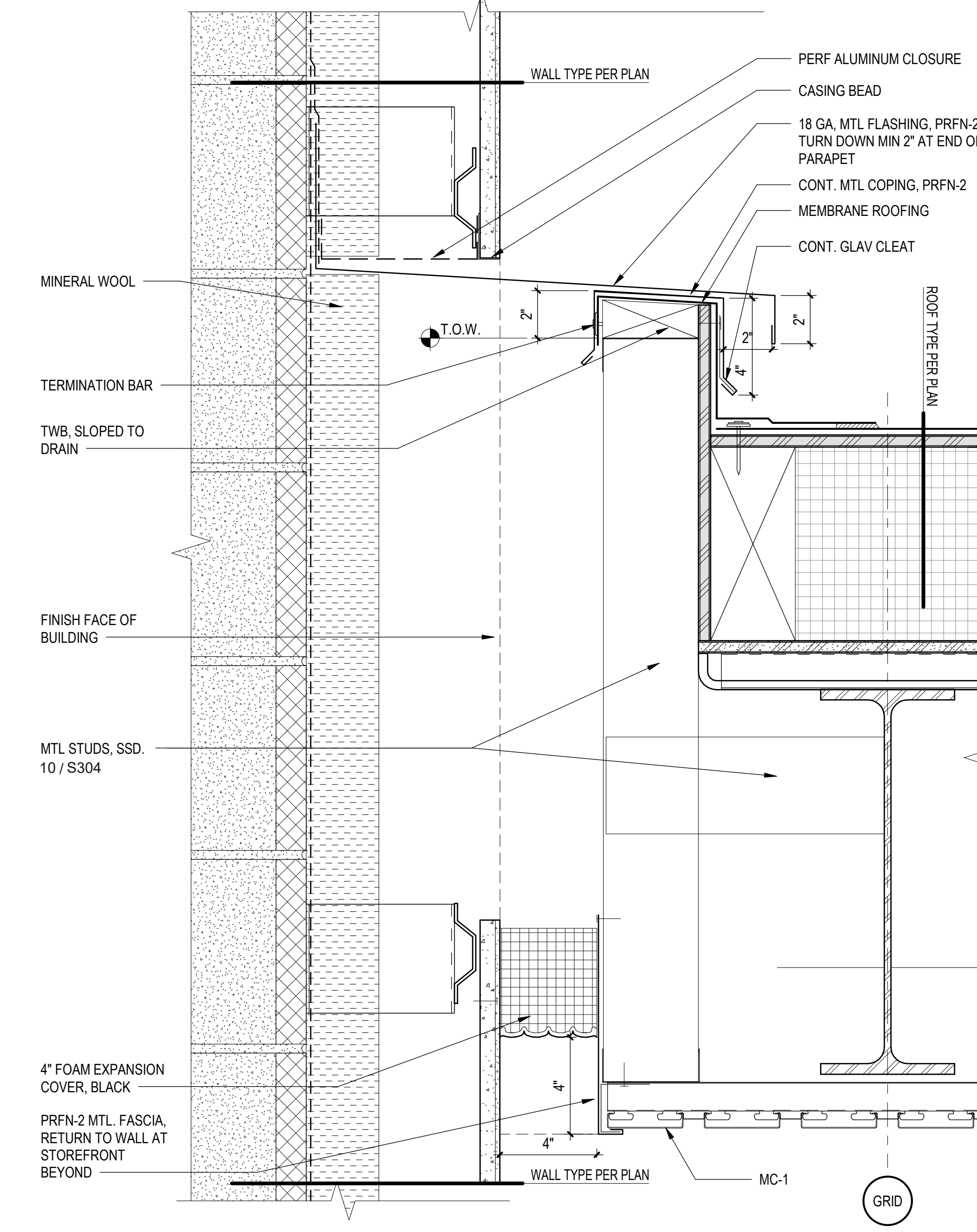
9 PLAN - STOREFRONT @ APP-1 EXPANSION JOINT
SCALE: 3" = 1'-0"



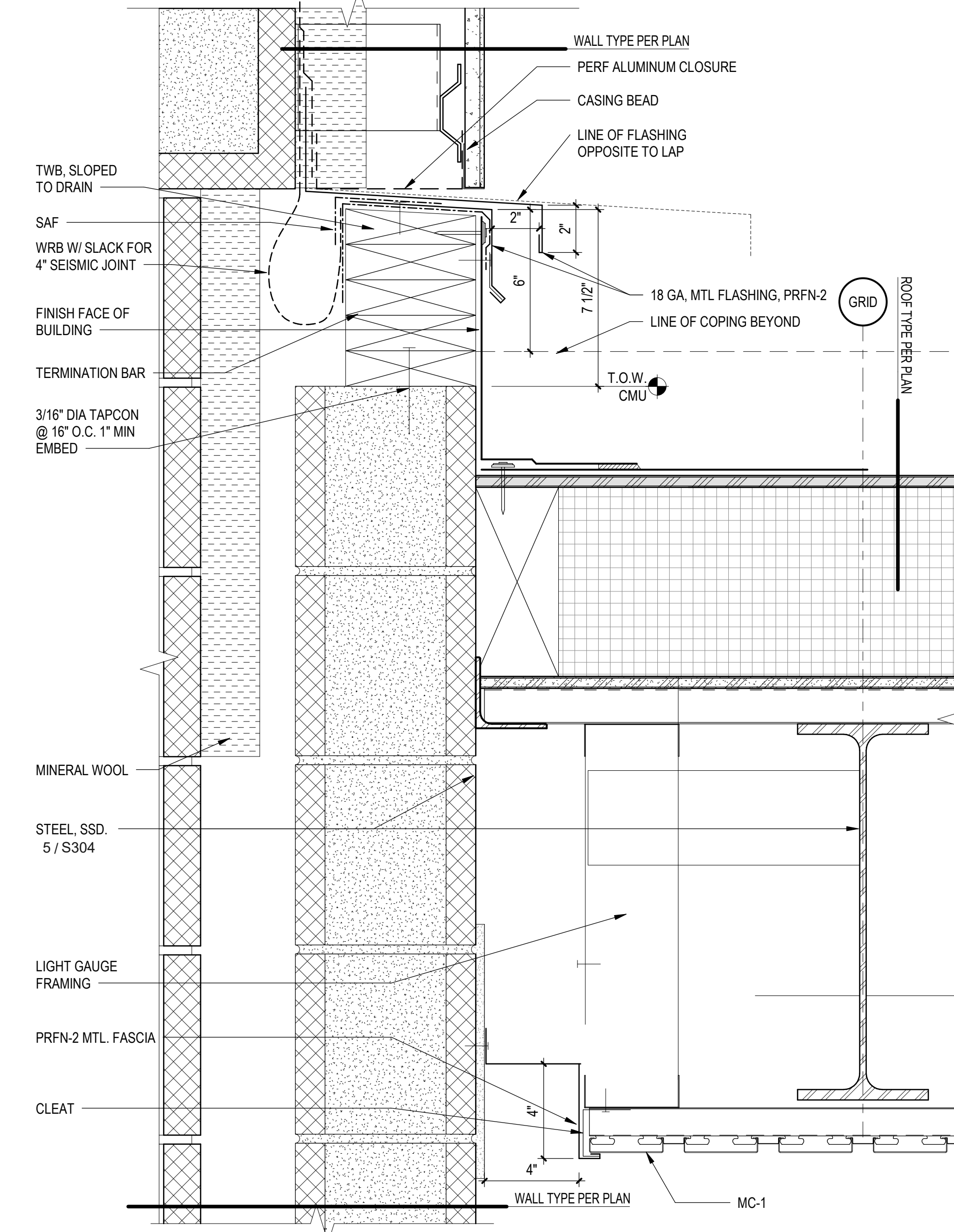
10 PLAN - STOREFRONT @ MV1 EXPANSION JOINT
SCALE: 3" = 1'-0"



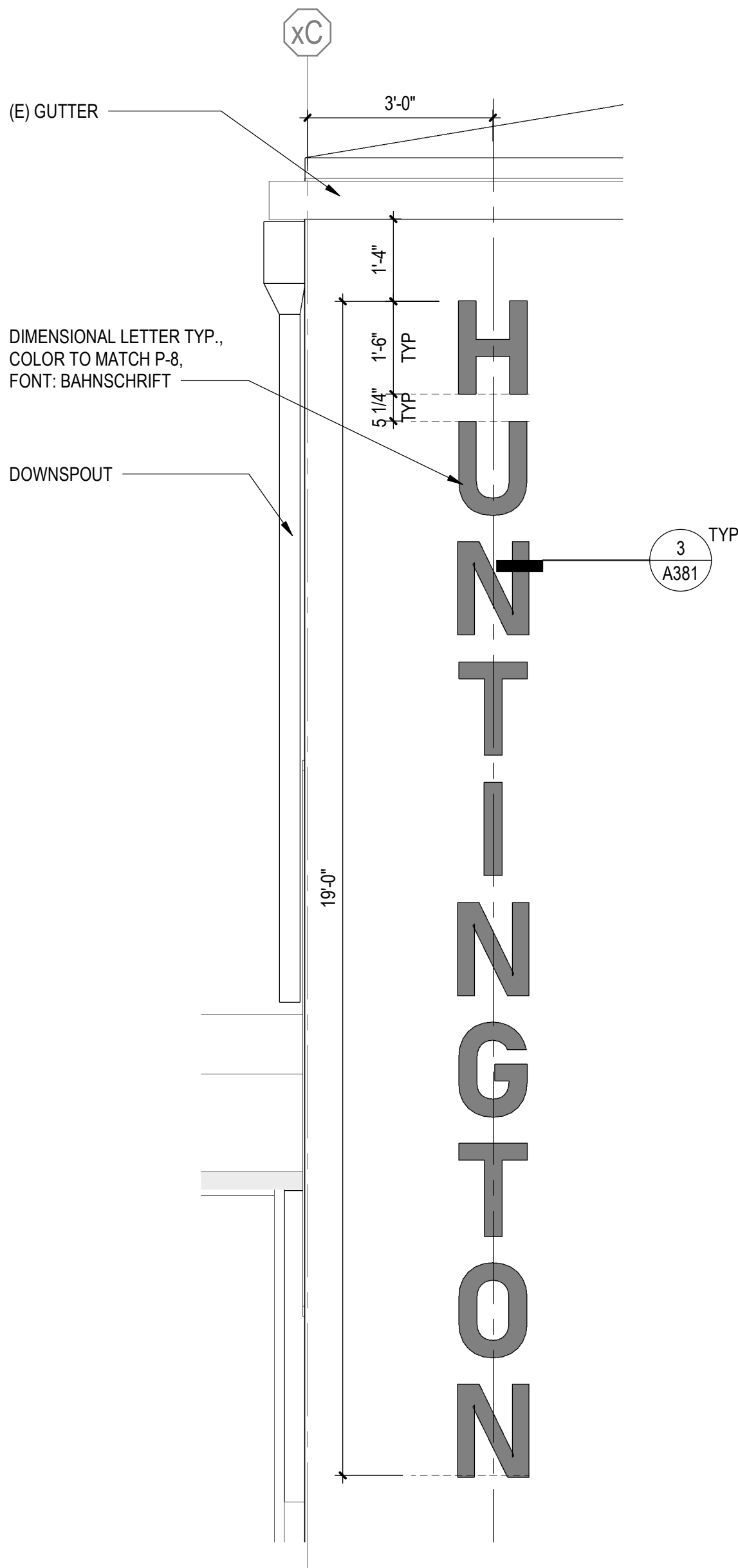
11 PLAN - MP PARAPET @ APP-1 EXPANSION JOINT
SCALE: 3" = 1'-0"



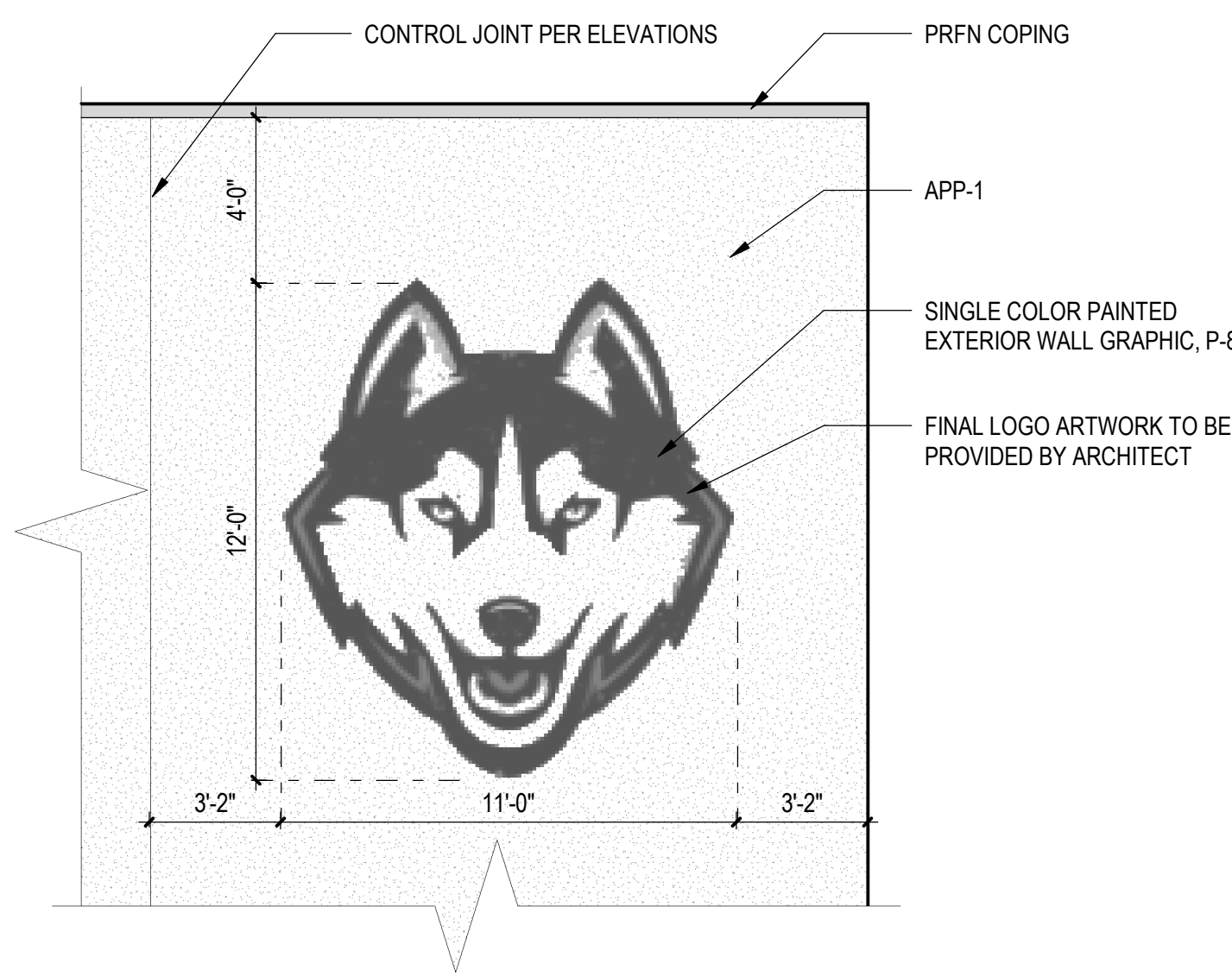
6 ROOF TO WALL @ OVERHANG
SCALE: 3" = 1'-0"



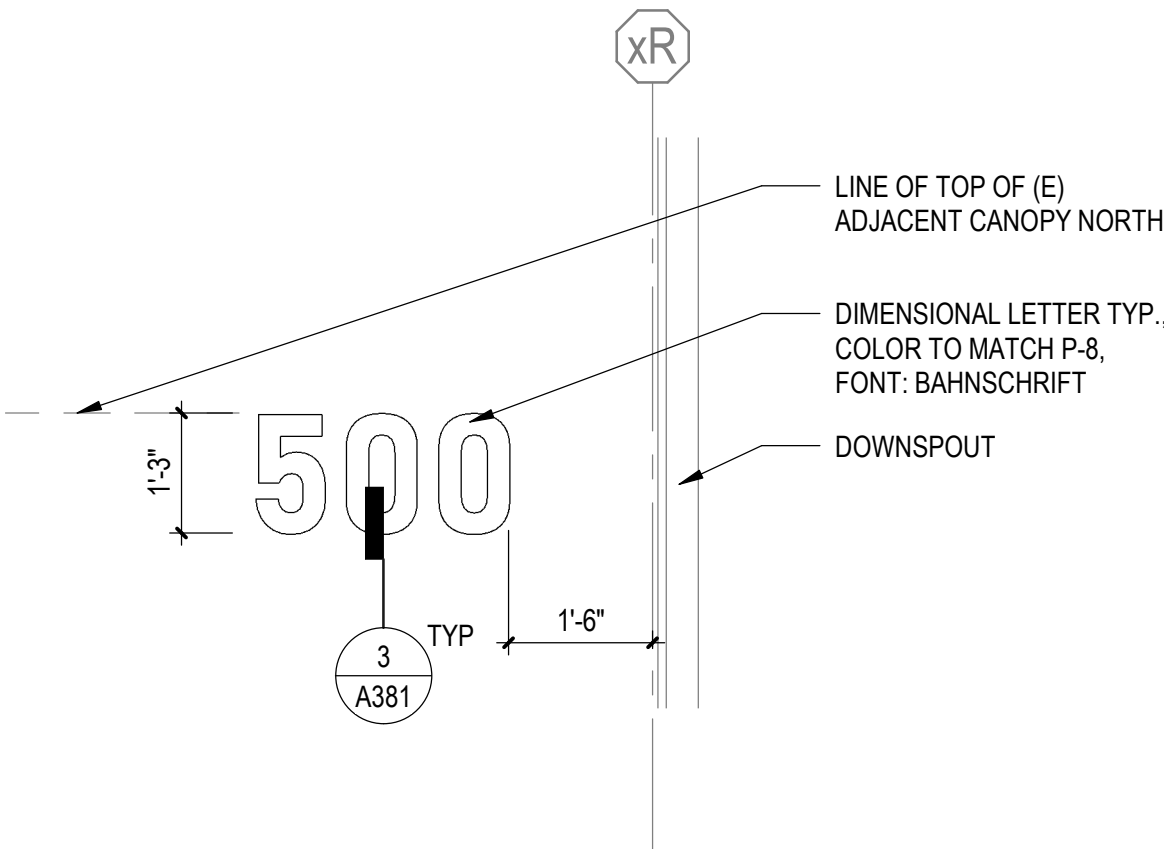
8 ROOF TO WALL @ AUX GYM
SCALE: 3" = 1'-0"



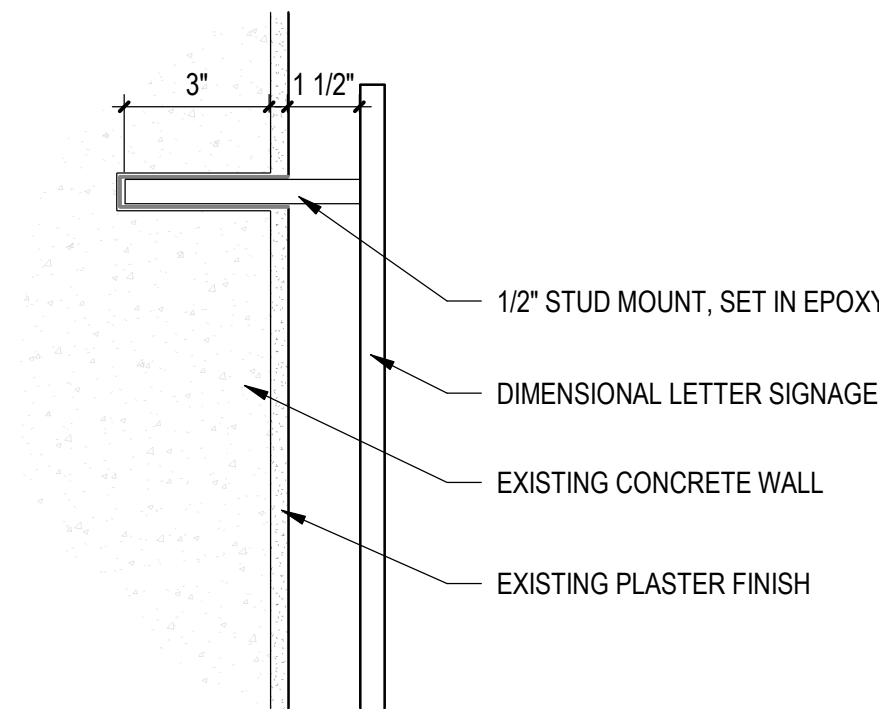
6 DIMENSIONAL LETTER SIGNAGE
SCALE: 1/2" = 1'-0"



1 EXTERIOR WALL GRAPHIC
SCALE: 1/4" = 1'-0"



2 DIMENSIONAL LETTER SIGNAGE #
SCALE: 1/4" = 1'-0"



3 DIMENSIONAL LETTER SIGNAGE SECTION
SCALE: 3" = 1'-0"

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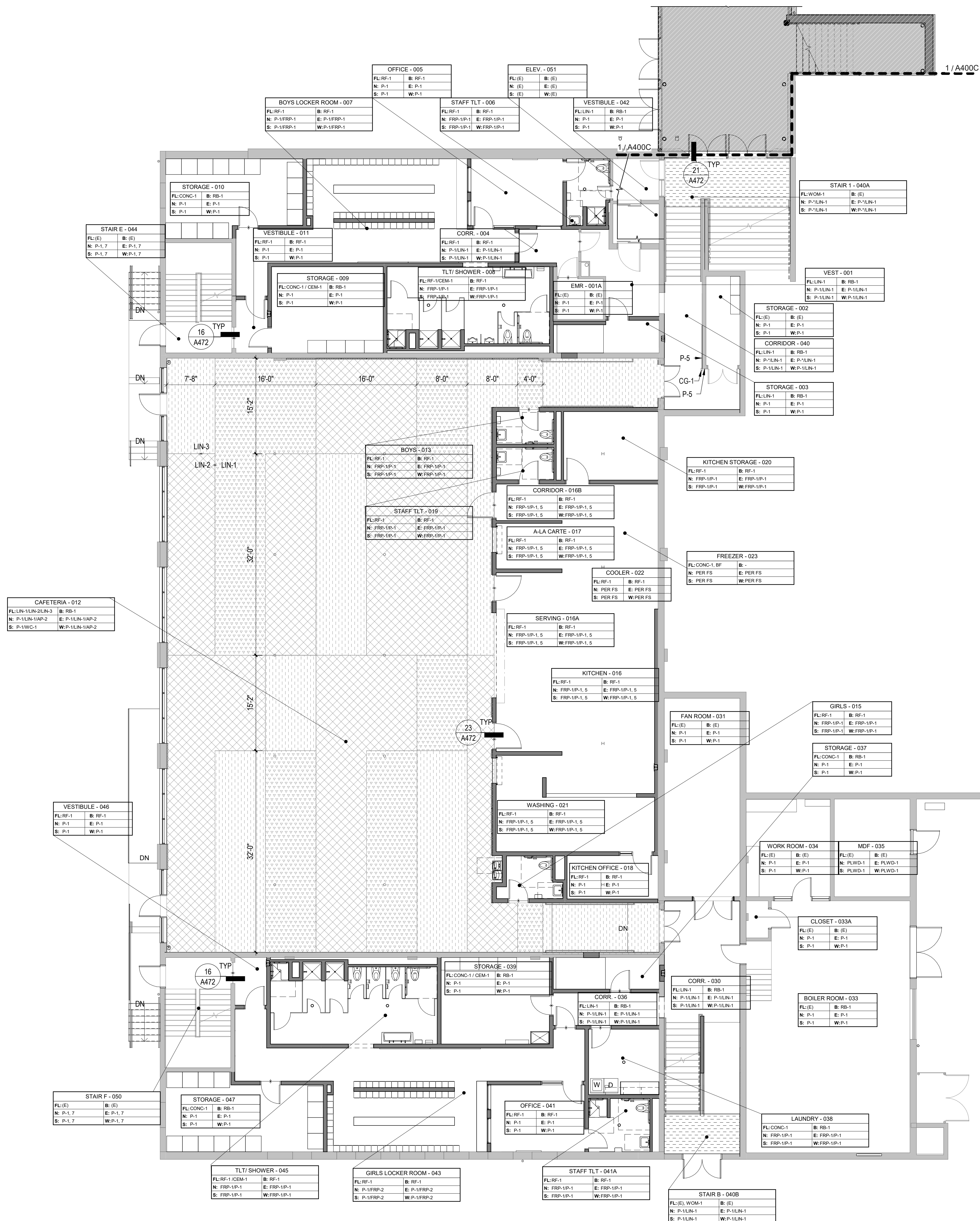
EXTERIOR
BUILDING
SIGNAGE

A381



LEVEL 0 AREA A - FINISH PLAN

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



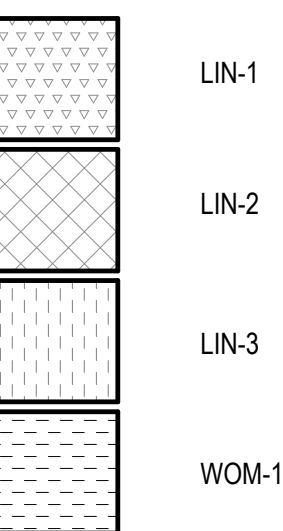
FINISH PLAN GENERAL NOTES

1. AN "*" (ASTERISK) MEANS MULTIPLE OF THE SAME FINISH. REFER TO PLANS, CEILINGS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SPECIFICATIONS FOR EXACT MANUFACTURER'S INSTALLATION METHODS.
3. ALL GWB, SGWB, VENEER PLASTER, AND (E) PCP TO BE PAINTED P-1, UNO.
4. ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
5. FOR CEILING HEIGHTS AND FINISHES, REFER TO REFLECTED CEILING PLANS.
6. ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT AND ALL OPEN CASEWORK.
7. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
8. VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
9. ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE 8'-0".
10. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
11. REFER TO SHEET A471 AND A472 FOR FINISH TRANSITION DETAILS.

FLOOR PLAN LEGEND

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN: SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK: SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- FLOOR DRAIN
- FIRE EXTINGUISHER CABINET: SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER: SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FLOORING LEGEND



ROOM TAG LEGEND

ROOM NAME - ROOM NUMBER			
FL: FLOORING	B: WALL BASE FINISH		
N: NORTH WALL FINISHES	E: EAST WALL FINISHES		
S: SOUTH WALL FINISHES	W: WEST WALL FINISHES		

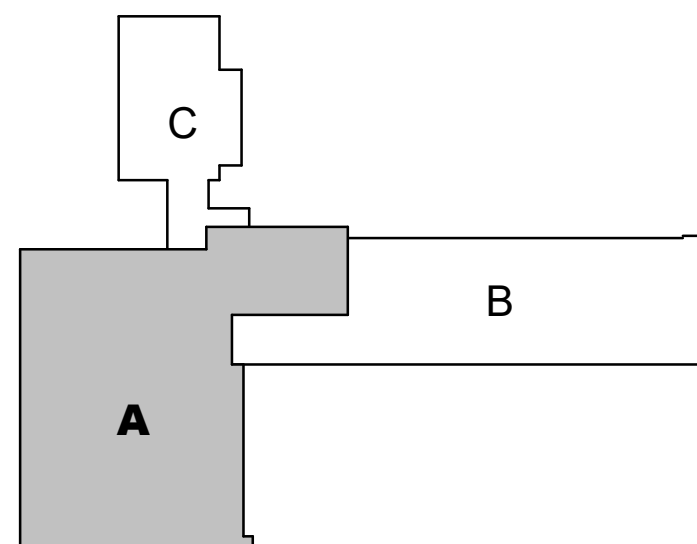
CODED NOTE

FINISH ABBREVIATIONS

FLOOR & BASE	WALL	CEILING	MISC.
CEM SELF-LEVELING CEMENTITIOUS UNDERLAYMENT	ACU ACOUSTICAL PANELS	ACT ACT	AGC ANTI-GRAFFITI COATING
CONC CONCRETE	CMU CONCRETE MASONRY UNIT	FF FACTORY FINISH	BLR BLEACHER
BF BROOM FINISH	FRP FIBERGLASS WALL PANEL	OTA OPEN TO ABOVE	CC CUBICAL CURTAIN
CPT CARPET	GWB GYPSUM WALL BOARD	OTS OPEN TO STRUCTURE	CG CORNER GUARD
LIN LINOLEUM	GWB-IR GYPSUM WALL BOARD IMPACT RESISTANCE	MC METAL CEILING	PLAM PLASTIC LAMINATE
RB RUBBER BASE	GWB-VP GYPSUM VENEER PLASTER	SGWB SUSPENDED GWB	TC TOILET COMPARTMENT
RBST RUBBER STAIR TREAD	GWB-MR GYPSUM WALL BOARD	SGWB-MB SUSPENDED GWB - MOISTURE RESISTANT	MC METAL CEILING
RF RESILIENT FLOORING	P PAINT		RS ROLLERSHADE
RFW REFINISH EXISTING WOOD	PCP PORTLAND CEMENT PLASTER		WP WALL PADS
WDF WOOD ATHLETIC FLOORING	TWC TACK WALL COVERING		LKR LOCKERS
WOM WALK OFF MAT	VWC VINYL WALL COVERING		DR FLUSH WOOD DOOR
	WD WOOD		MDF MEDIUM DENSITY FIBERBOARD
	WP WALL PADS		WD WOOD

CODED NOTES

1. EPOXY PAINT LOCATED IN THIS AREA
2. AP-5 TO BE APPLIED TO ENTIRE WALL SURFACE FROM 8'-0" A.F.F. TO CEILING.
3. CUBICAL CURTAIN LOCATED IN THIS AREA.
4. 8'-0" TALL X 4'-0" WIDE FRP LOCATED AT (2) SIDES OF MOP SINK.
5. FRP EXTENDS 8'-0" ABOVE TOP OF COVE BASE. TYPICAL PANEL WIDTH = 4'-0". SEE A471 FOR PANEL DETAILS.
6. 8'-0" FIRE RETARDANT TREATED PLYWOOD TO BE LOCATED IN THIS ROOM.
7. PAINT EXISTING HADRAILS AND GUARDRAILS P-8.



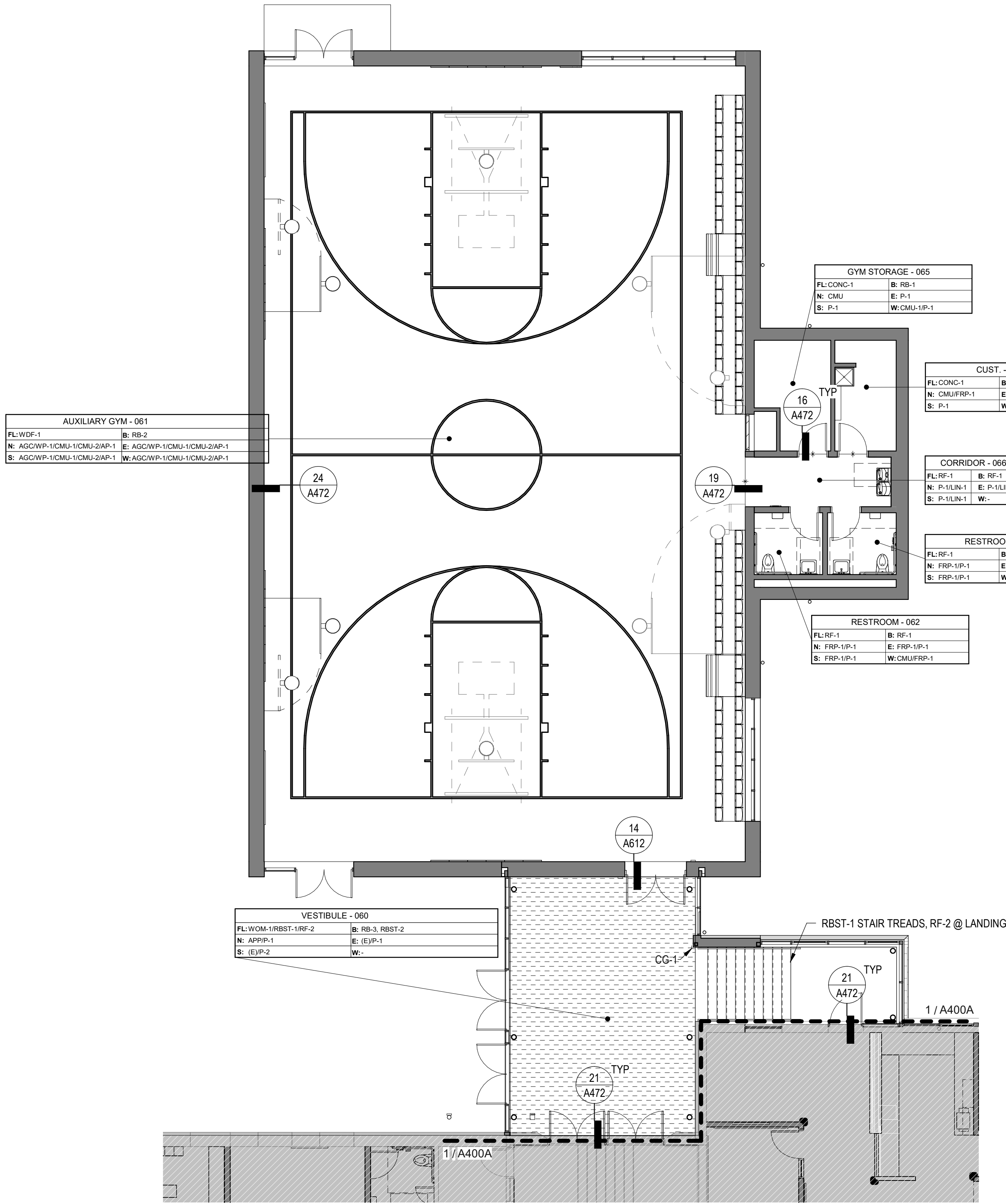
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SS
Checked by:	SS
Revisions	
#	Date Description

LEVEL 0 AREA A
- FINISH PLAN

A400A



FINISH PLAN GENERAL NOTES

- 1. AN * (ASTERISK) MEANS MULTIPLE OF THE SAME FINISH. REFER TO PLANS, CEILINGS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
- 2. REFER TO SPECIFICATIONS FOR EXACT MANUFACTURER'S INSTALLATION METHODS.
- 3. ALL GWB, SGWB, VENEER PLASTER, AND (E) PCP TO BE PAINTED P-1, UNO.
- 4. ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
- 5. FOR CEILING HEIGHTS AND FINISHES, REFER TO REFLECTED CEILING PLANS.
- 6. ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT AND ALL OPEN CASEWORK.
- 7. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
- 8. VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
- 9. ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE 8'-0".
- 10. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
- 11. REFER TO SHEET A471 AND A472 FOR FINISH TRANSITION DETAILS.

FLOOR PLAN LEGEND

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- FLOOR DRAIN
- FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FLOORING LEGEND

- LIN-1
- LIN-2
- LIN-3
- WOM-1

ROOM TAG LEGEND

ROOM NAME - ROOM NUMBER			
FL: FLOORING	B: WALL BASE FINISH		
N: NORTH WALL FINISHES	E: EAST WALL FINISHES		
S: SOUTH WALL FINISHES	W: WEST WALL FINISHES		

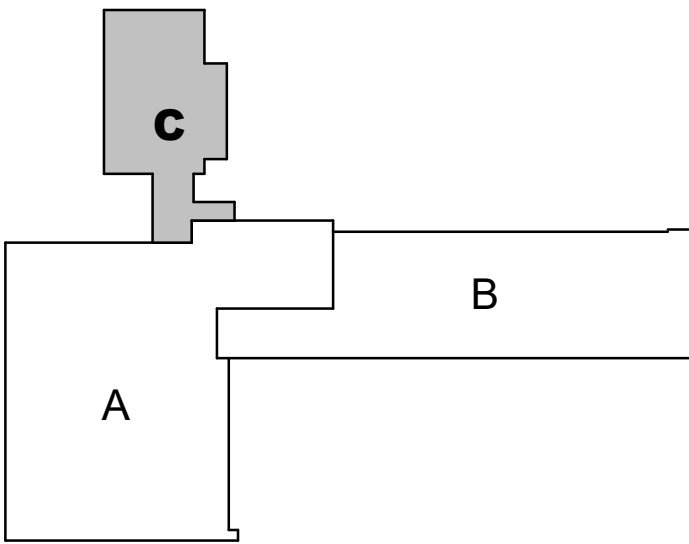
CODED NOTE

FINISH ABBREVIATIONS

FLOOR & BASE	WALL	CEILING	MISC.
CEM SELF-LEVELING CEMENTITIOUS UNDERLAYMENT	AP ACOUSTICAL PANELS	ACT ACOUSTICAL CEILING TILE	AGC ANTI GRAFFITI COATING
CONC CONCRETE	CMU CONCRETE MASONRY UNIT	FF FACTORY FINISH	BLCR BLEACHER
BF BROOM FINISH	FRP FIBERGLASS WALL PANEL	OTA OPEN TO ABOVE	CC CUBICAL CURTAIN
CPT CARPET	GWG GYPSUM WALL BOARD	OTS OPEN TO STRUCTURE	CG CORNER GUARD
LIN LINOLEUM	GWG-IR GYPSUM WALL BOARD IMPACT RESISTANCE	MC METAL CEILING	PLAM PLASTIC LAMINATE
RB RUBBER BASE	GWG-VP GYPSUM VENEER PLASTER	SGWB SUSPENDED GWB	TC TOILET COMPARTMENT
RBST RUBBER STAIR TREAD	GWG-MR GYPSUM WALL BOARD	SGWB-MR SUSPENDED GWB - MOISTURE RESISTANT	MC METAL CEILING
RF RESILIENT FLOORING	P PAINT		RS ROLLERSHADE
RFW REFINISH EXISTING WOOD	PCP PORTLAND CEMENT PLASTER		WP WALL PADS
WDF WOOD ATHLETIC FLOORING	TWC TACK WALL COVERING		LKR LOCKERS
WOM WALK OFF MAT	VWC VINYL WALLCOVERING		DR FLUSH WOOD DOOR
	WD WOOD		MDF MEDIUM DENSITY FIBERBOARD
	WP WALL PADS		WD WOOD

CODED NOTES

- 1. EPOXY PAINT LOCATED IN THIS AREA
- 2. AP-5 TO BE APPLIED TO ENTIRE WALL SURFACE FROM 8'-0" A.F.F. TO CEILING.
- 3. CUBICAL CURTAIN LOCATED IN THIS AREA.
- 4. 8'-0" TALL X 4'-0" WIDE FRP LOCATED AT (2) SIDES OF MOP SINK.
- 5. FRP EXTENDS 8'-0" ABOVE TOP OF COVE BASE. TYPICAL PANEL WIDTH = 4'-0". SEE A471 FOR PANEL DETAILS.
- 6. 8'-0" FIRE RETARDANT TREATED PLYWOOD TO BE LOCATED IN THIS ROOM.
- 7. PAINT EXISTING HADRAILS AND GUARDRAILS P-8.



LEVEL 0 AREA C - FINISH PLAN

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

integrusARCHITECTURE

117 SOUTH MAIN STREET, SUITE 100, SEATTLE, WA 98104
TELEPHONE: (206) 835-3337 FAX: (206) 835-3338

8973

REGISTERED ARCHITECT
MARTIN L. UNDERHILL
STATE OF WASHINGTON

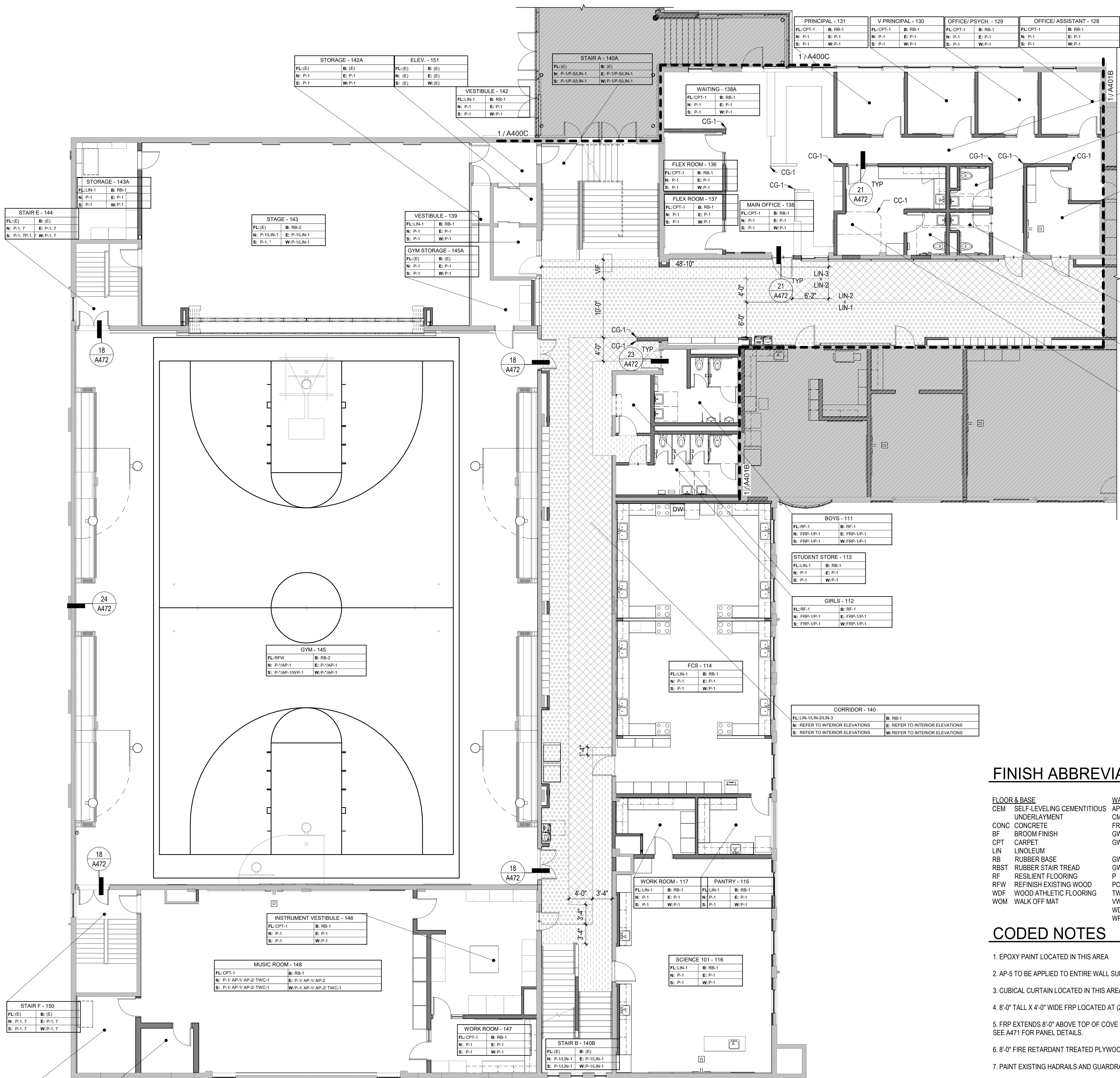
Date:	05/28/2021
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LEVEL 0 AREA C
- FINISH PLAN

A400C



LEVEL 1 AREA A - FINISH PLAN
SCALE: 1/8" = 1'-0"



FINISH PLAN GENERAL NOTES

1. AN "*" (ASTERISK) MEANS MULTIPLE OF THE SAME FINISH. REFER TO PLANS, CEILINGS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SPECIFICATIONS FOR EXACT MANUFACTURER'S INSTALLATION METHODS.
3. ALL GWB, SGWB, VENEER PLASTER, AND (E) PCP TO BE PAINTED P-1, UNO.
4. ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
5. FOR CEILING HEIGHTS AND FINISHES, REFER TO REFLECTED CEILING PLANS.
6. ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT AND ALL OPEN CASEWORK.
7. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
8. VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
9. ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE 8'-0".
10. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
11. REFER TO SHEET A471 AND A472 FOR FINISH TRANSITION DETAILS.

FLOOR PLAN LEGEND

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN: SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK: SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- FLOOR DRAIN
- FIRE EXTINGUISHER CABINET: SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER: SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FLOORING LEGEND

- LIN-1
- LIN-2
- LIN-3
- WOM-1

ROOM TAG LEGEND

ROOM NAME - ROOM NUMBER			
FL: FLOORING	B: WALL BASE FINISH		
N: NORTH WALL FINISHES	E: EAST WALL FINISHES		
S: SOUTH WALL FINISHES	W: WEST WALL FINISHES		

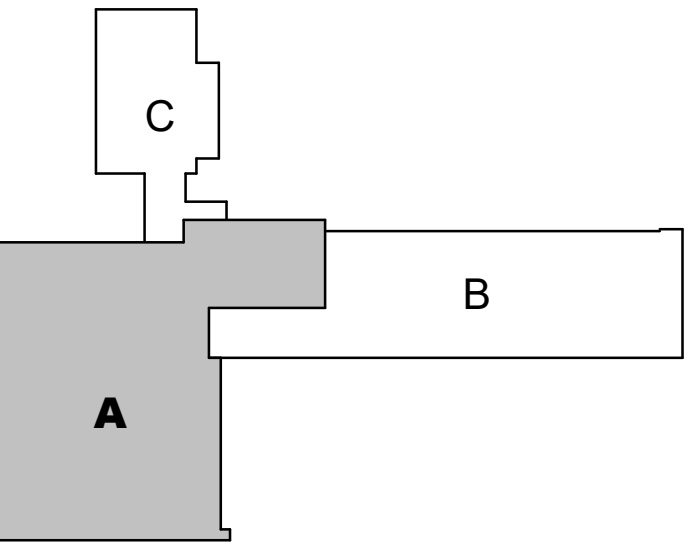
CODED NOTE

FINISH ABBREVIATIONS

FLOOR & BASE	WALL	CEILING	MISC.
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CONC CONCRETE	CMU CONCRETE MASONRY UNIT	FF FACTORY FINISH	BLCR BLEACHER
BF BROOM FINISH	FRP FIBERGLASS WALL PANEL	OTA OPEN TO ABOVE	CC CUBICAL CURTAIN
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RB RUBBER BASE	GWB-V GYPSUM VENEER PLASTER	SGWB SUSPENDED GWB - MOISTURE RESISTANT	TC TOILET COMPARTMENT
RBST RUBBER STAIR TREAD	GWB-MR GYPSUM WALL BOARD		MC METAL CEILING
RF RESILIENT FLOORING	P PAINT		RS ROLLERSHADE
RFW REFINISH EXISTING WOOD	PCP PORTLAND CEMENT PLASTER		WP WALL PADS
WDF WOOD ATHLETIC FLOORING	TWC TACK WALL COVERING		LKR LOCKERS
WOM WALK OFF MAT	VWC VINYL WALL COVERING		DR FLUSH WOOD DOOR
	WD WOOD		MDF MEDIUM DENSITY FIBERBOARD
	WP WALL PADS		WD WOOD

CODING NOTES

1. EPOXY PAINT LOCATED IN THIS AREA
2. AP-5 TO BE APPLIED TO ENTIRE WALL SURFACE FROM 8'-0" A.F.F. TO CEILING.
3. CUBICAL CURTAIN LOCATED IN THIS AREA.
4. 8'-0" TALL X 4'-0" WIDE FRP LOCATED AT (2) SIDES OF MOP SINK.
5. FRP EXTENDS 8'-0" ABOVE TOP OF COVE BASE. TYPICAL PANEL WIDTH = 4'-0". SEE A471 FOR PANEL DETAILS.
6. 8'-0" FIRE RETARDANT TREATED PLYWOOD TO BE LOCATED IN THIS ROOM.
7. PAINT EXISTING HADRAILS AND GUARDRAILS P-8.



KELSO SCHOOL DISTRICT NO. 458
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LEVEL 1 AREA A
- FINISH PLAN

A401A

BID SET

FINISH ABBREVIATIONS

FLOOR & BASE	WALL	CEILING	MISC.
CEM SELF-LEVELING CEMENTITIOUS UNDERLAYMENT	AP CMU	ACT ACoustical CEILING TILE	ACC ANTI GRAFFITI COATING
CONC CONCRETE	FRP FIBERGLASS WALL PANEL	FF FACTORY FINISH	BLCR BLEACHER
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RFW REFINISH EXISTING WOOD	TWC TACK WALL COVERING		WP WALL PADS
WDF WOOD ATHLETIC FLOORING	WD WOOD		LKR LOCKERS
WOM WALK OFF MAT	WD WP		DR FLUSH WOOD DOOR
			MDF MEDIUM DENSITY FIBERBOARD
			WD WOOD

CODED NOTES

- EPOXY PAINT LOCATED IN THIS AREA
- AP-S TO BE APPLIED TO ENTIRE WALL SURFACE FROM 8'-0" A.F.F. TO CEILING.
- CUBICAL CURTAIN LOCATED IN THIS AREA.
- 8'-0" TALL X 4'-0" WIDE FRP LOCATED AT (2) SIDES OF MOP SINK.
- FRP EXTENDS 8'-0" ABOVE TOP OF COVE BASE. TYPICAL PANEL WIDTH = 4'-0". SEE A471 FOR PANEL DETAILS.
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ROOM TAG LEGEND

ROOM NAME - ROOM NUMBER	
FL FLOORING	B WALL BASE FINISH
N: NORTH WALL FINISHES	E: EAST WALL FINISHES
S: SOUTH WALL FINISHES	W: WEST WALL FINISHES

FLOORING LEGEND

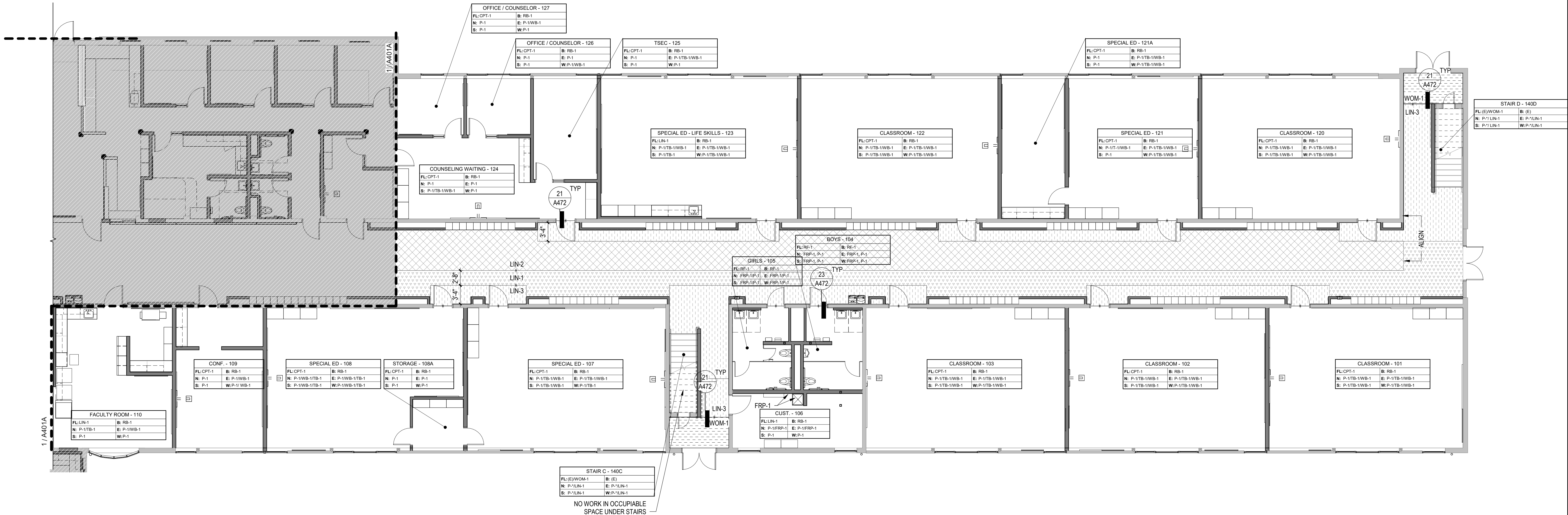
FL LIN-1	FL LIN-2	FL LIN-3	FL WOM-1
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FLOOR PLAN LEGEND

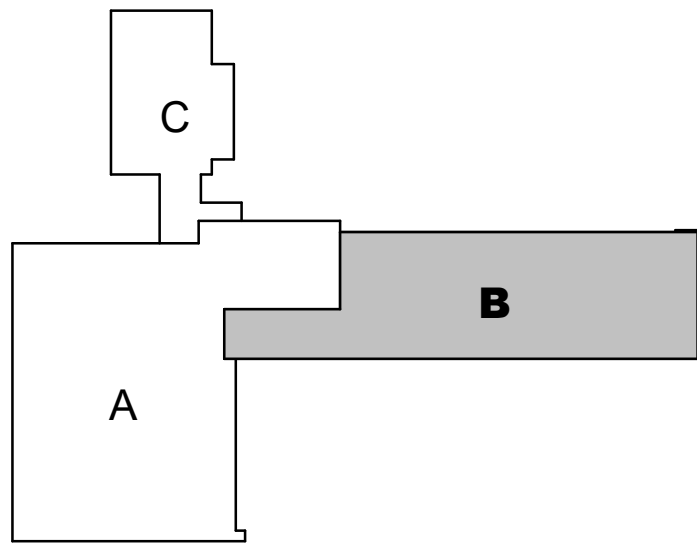
—	FLOORING TRANSITION
—	1-HOUR FIRE BARRIER
—	SHIPS LADDER
—	DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
—	MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
—	FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
—	FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FINISH PLAN GENERAL NOTES

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LEVEL 1 AREA B - FINISH PLAN
SCALE: 1/8" = 1'-0"



KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

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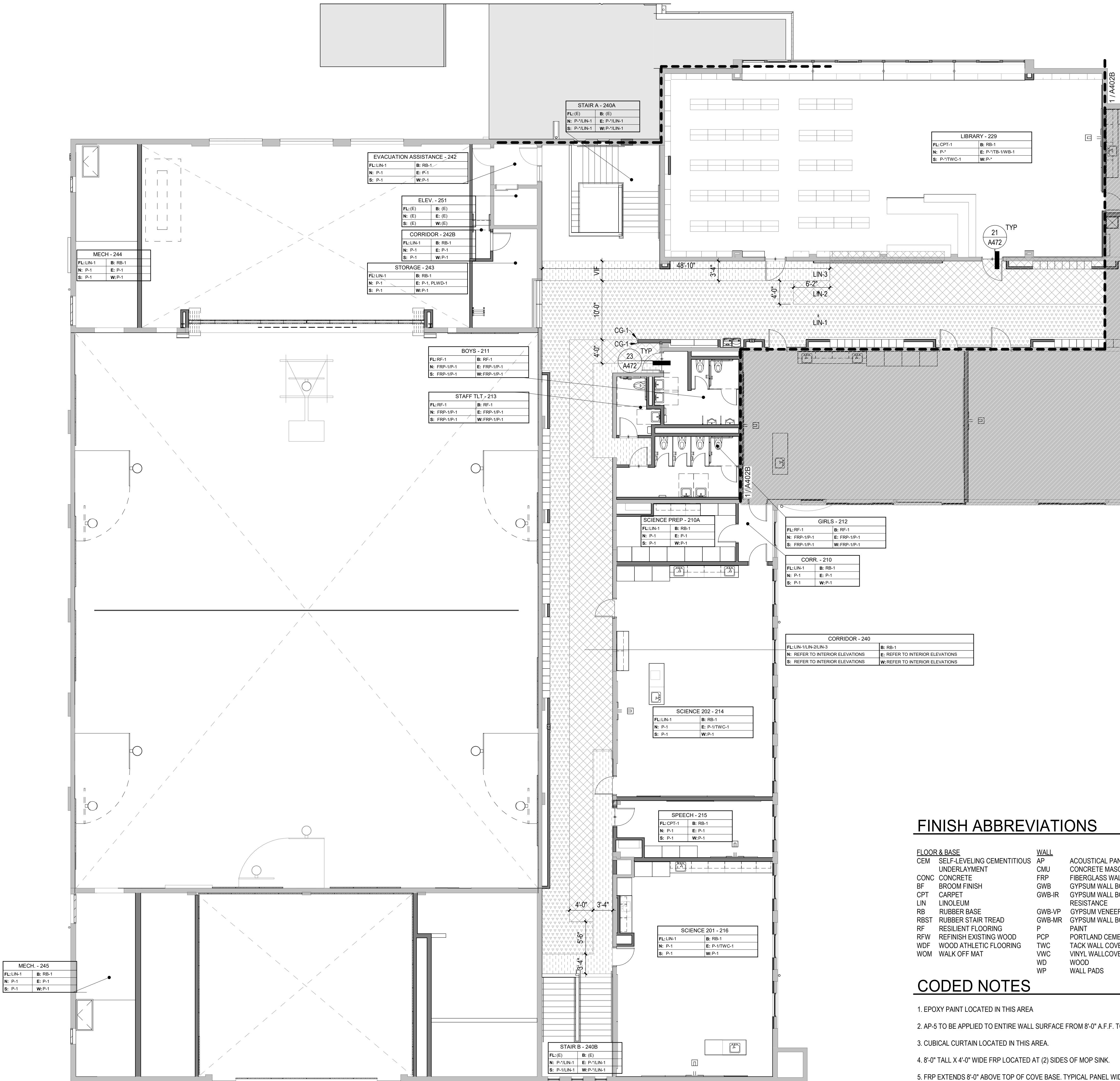
LEVEL 1 AREA B
- FINISH PLAN

A401B



LEVEL 2 AREA A - FINISH PLAN

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



FINISH PLAN GENERAL NOTES

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4. ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
5. FOR CEILING HEIGHTS AND FINISHES, REFER TO REFLECTED CEILING PLANS.
6. ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT AND ALL OPEN CASEWORK.
7. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
8. VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
9. ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE 8'-0".
10. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
11. REFER TO SHEET A471 AND A472 FOR FINISH TRANSITION DETAILS.

FLOOR PLAN LEGEND

- FLOORING TRANSITION
- 1-HOUR FIRE BARRIER
- SHIPS LADDER
- DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
- FLOOR DRAIN
- FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
- FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

FLOORING LEGEND

- LIN-1
- LIN-2
- LIN-3
- WOM-1

ROOM TAG LEGEND

ROOM NAME - ROOM NUMBER			
FL: FLOORING	B: WALL BASE FINISH		
N: NORTH WALL FINISHES	E: EAST WALL FINISHES		
S: SOUTH WALL FINISHES	W: WEST WALL FINISHES		

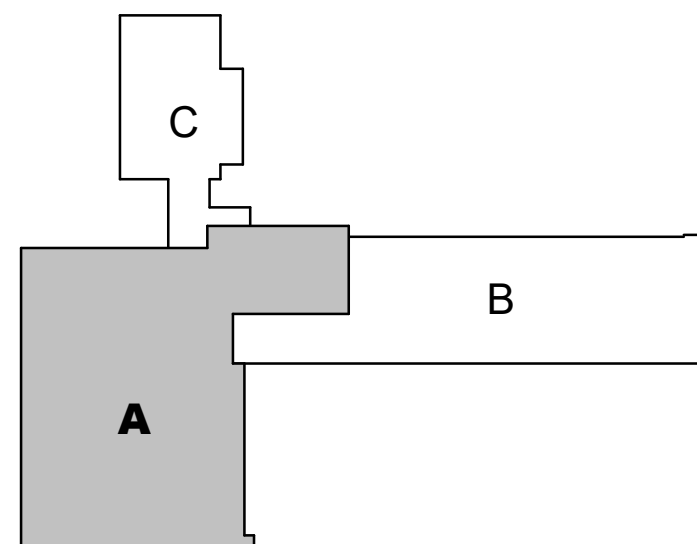
CODED NOTE

FINISH ABBREVIATIONS

FLOOR & BASE	WALL	CEILING	MISC.
CEM SELF-LEVELING CEMENTITIOUS UNDERLAYMENT	AP CONCRETE MASONRY UNIT	ACT ACoustical CEILING TILE	AGC ANTI GRAFFITI COATING
CONC CONCRETE	CMU CONCRETE MASONRY UNIT	FF FACTORY FINISH	BLR BLEACHER
BF BROOM FINISH	FRP FIBERGLASS WALL PANEL	OTA OPEN TO ABOVE	CC CUBICAL CURTAIN
CPT CARPET	GWB GYPSUM WALL BOARD	OTS OPEN TO STRUCTURE	CG CORNER GUARD
LIN LINOLEUM	GWB-IR GYPSUM WALL BOARD IMPACT RESISTANCE	MC METAL CEILING	PLAM PLASTIC LAMINATE
RB RUBBER BASE	GWB-VV GYPSUM VENEER PLASTER	SGWB SUSPENDED GWB	TC TOILET COMPARTMENT
RBST RUBBER STAIR TREAD	GWB-MR GYPSUM WALL BOARD	SGWB-MB SUSPENDED GWB - MOISTURE RESISTANT	MC METAL CEILING
RF RESILIENT FLOORING	P PAINT		RS ROLLERSHADE
RFW REFINISH EXISTING WOOD	PCP PORTLAND CEMENT PLASTER		WP WALL PADS
WDF WOOD ATHLETIC FLOORING	TWC TACK WALL COVERING		LKR LOCKERS
WOM WALK OFF MAT	VWC VINYL WALL COVERING		DR FLUSH WOOD DOOR
	WD WOOD		MDF MEDIUM DENSITY FIBERBOARD
	WP WALL PADS		WD WOOD

CODED NOTES

1. EPOXY PAINT LOCATED IN THIS AREA
2. AP-5 TO BE APPLIED TO ENTIRE WALL SURFACE FROM 8'-0" A.F.F. TO CEILING.
3. CUBICAL CURTAIN LOCATED IN THIS AREA.
4. 8'-0" TALL X 4'-0" WIDE FRP LOCATED AT (2) SIDES OF MOP SINK.
5. FRP EXTENDS 8'-0" ABOVE TOP OF COVE BASE. TYPICAL PANEL WIDTH = 4'-0". SEE A471 FOR PANEL DETAILS.
6. 8'-0" FIRE RETARDANT TREATED PLYWOOD TO BE LOCATED IN THIS ROOM.
7. PAINT EXISTING HADRAILS AND GUARDRAILS P-8.



KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

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Revisions	
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LEVEL 2 AREA A
- FINISH PLAN

A402A

BID SET

FINISH ABBREVIATIONS

FLOOR & BASE	CEM	SELF-LEVELING CEMENTITIOUS UNDERLAYMENT
	CONC	CONCRETE
CPT	BF	BROOM FINISH
	CPT	CARPET
LIN	LIN	LINOLEUM
	RB	RUBBER BASE
RFBST	RBST	RUBBER STAIR TREAD
	RF	RESILIENT FLOORING
RFW	RFW	REFINISH EXISTING WOOD
	WDF	WOOD ATHLETIC FLOORING
WOM	WOM	WALK OFF MAT
WALL	AP	ACOUSTICAL PANELS
	CMU	CONCRETE MASONRY UNIT
FRP	FRP	FIBERGLASS WALL PANEL
	GWB	GYPSON WALL BOARD
GWB-IR	GWB-IR	GYPSON WALL BOARD IMPACT RESISTANCE
	GWB-VP	GYPSON VENEER PLASTER
GWB-MR	GWB-MR	GYPSON WALL BOARD
	P	PAINT
PCP	PCP	PORTLAND CEMENT PLASTER
	TWC	TACK WALL COVERING
WVC	WVC	VINYL WALLCOVERING
	WD	WOOD
WP	WP	WALL PADS
CEILING	ACT	ACOUSTICAL CEILING TILE
	FF	FACTORY FINISH
OTA	OTA	OPEN TO ABOVE
	OTS	OPEN TO STRUCTURE
MC	MC	METAL CEILING
	SGWB	SUSPENDED GWB
SGWB-MR	SGWB-MR	SUSPENDED GWB - MOISTURE RESISTANT
MISC.	AGC	ANTI-GRAFFITI COATING
	BLCR	BLEACHER
CC	CC	CUBICAL CURTAIN
	CG	CORNER GUARD
PLAM	PLAM	PLASTIC LAMINATE
	TC	TOILET COMPARTMENT
MC	MC	METAL CEILING
	RS	ROLLERSHADE
WP	WP	WALL PADS
	LKR	LOCKERS
DR	DR	FLUSH WOOD DOOR
	MDF	MEDIUM DENSITY FIBERBOARD
WD	WD	WOOD

CODED NOTES

1. EPOXY PAINT LOCATED IN THIS AREA
2. AP-5 TO BE APPLIED TO ENTIRE WALL SURFACE FROM 8'-0" A.F.F. TO CEILING.
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7. PAINT EXISTING HADRAILS AND GUARDRAILS P-8.

ROOM TAG LEGEND

ROOM NAME - ROOM NUMBER	
FL-FLOORING	B: WALL BASE FINISH
N: NORTH WALL FINISHES	E: EAST WALL FINISHES
S: SOUTH WALL FINISHES	W: WEST WALL FINISHES

CODED NOTE

FLOORING LEGEND

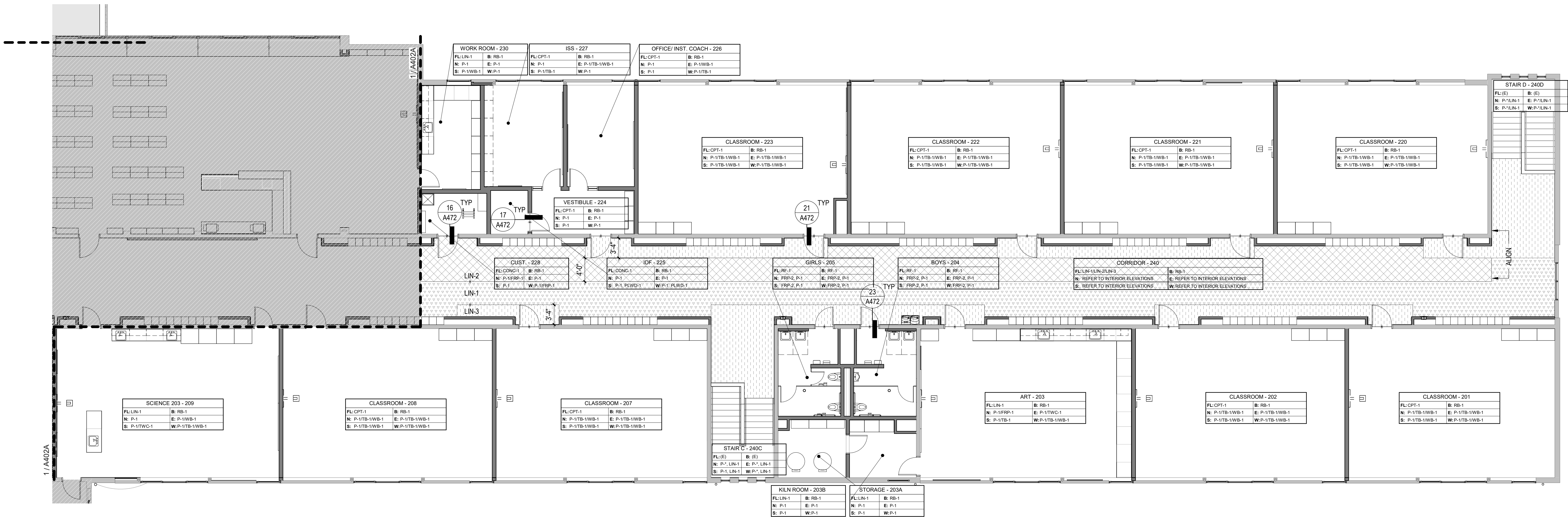
FL-FLOORING	FL-FLOORING
N: NORTH WALL FINISHES	N: NORTH WALL FINISHES
S: SOUTH WALL FINISHES	S: SOUTH WALL FINISHES
W: WEST WALL FINISHES	W: WEST WALL FINISHES

FLOOR PLAN LEGEND

—	FLOORING TRANSITION
—	1-HOUR FIRE BARRIER
—	SHIPS LADDER
—	DRINKING FOUNTAIN, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
—	MOP SINK, SEE A411 MOUNTING HEIGHT LEGEND FOR ADDITIONAL INFORMATION
—	FIRE EXTINGUISHER CABINET SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO
—	FIRE EXTINGUISHER SEE INTERIOR ELEVATION FOR ALIGNMENT, UNO

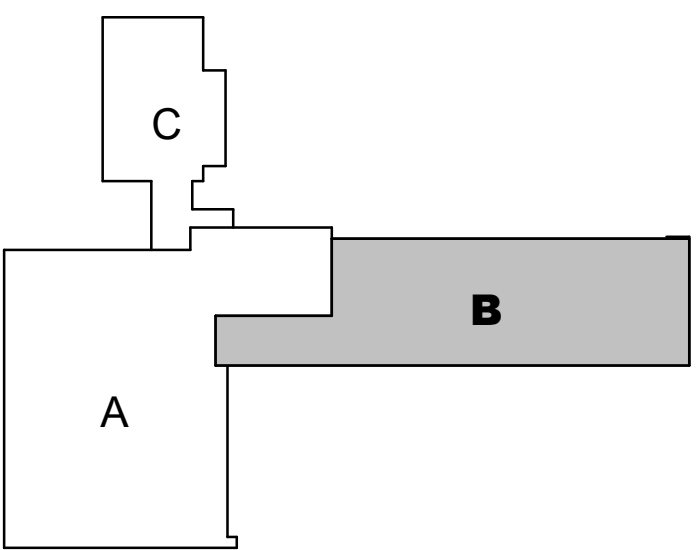
FINISH PLAN GENERAL NOTES

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7. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
8. VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
9. ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE 8'-0".
10. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
11. REFER TO SHEET A471 AND A472 FOR FINISH TRANSITION DETAILS.



LEVEL 2 AREA B - FINISH PLAN

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



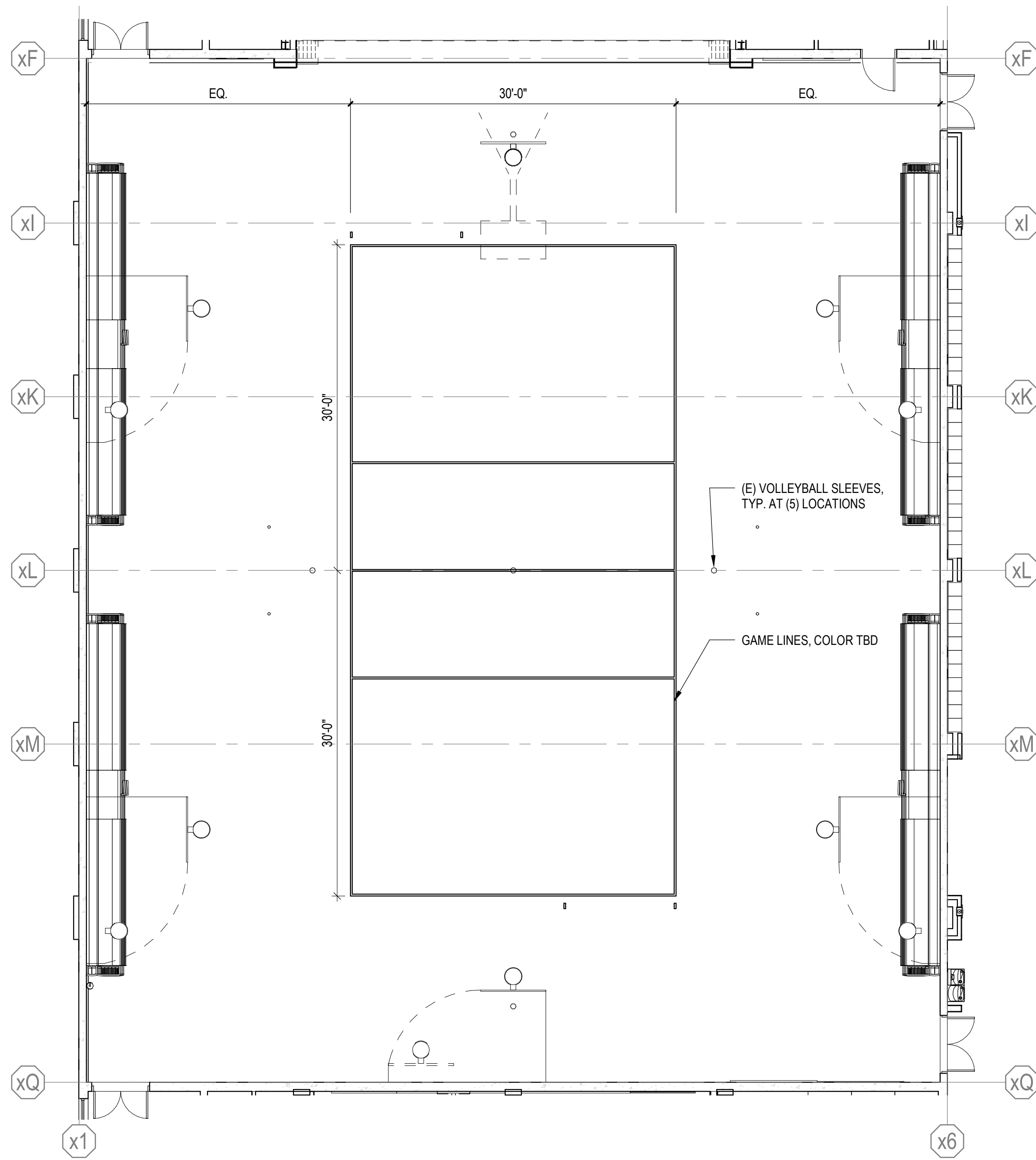
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

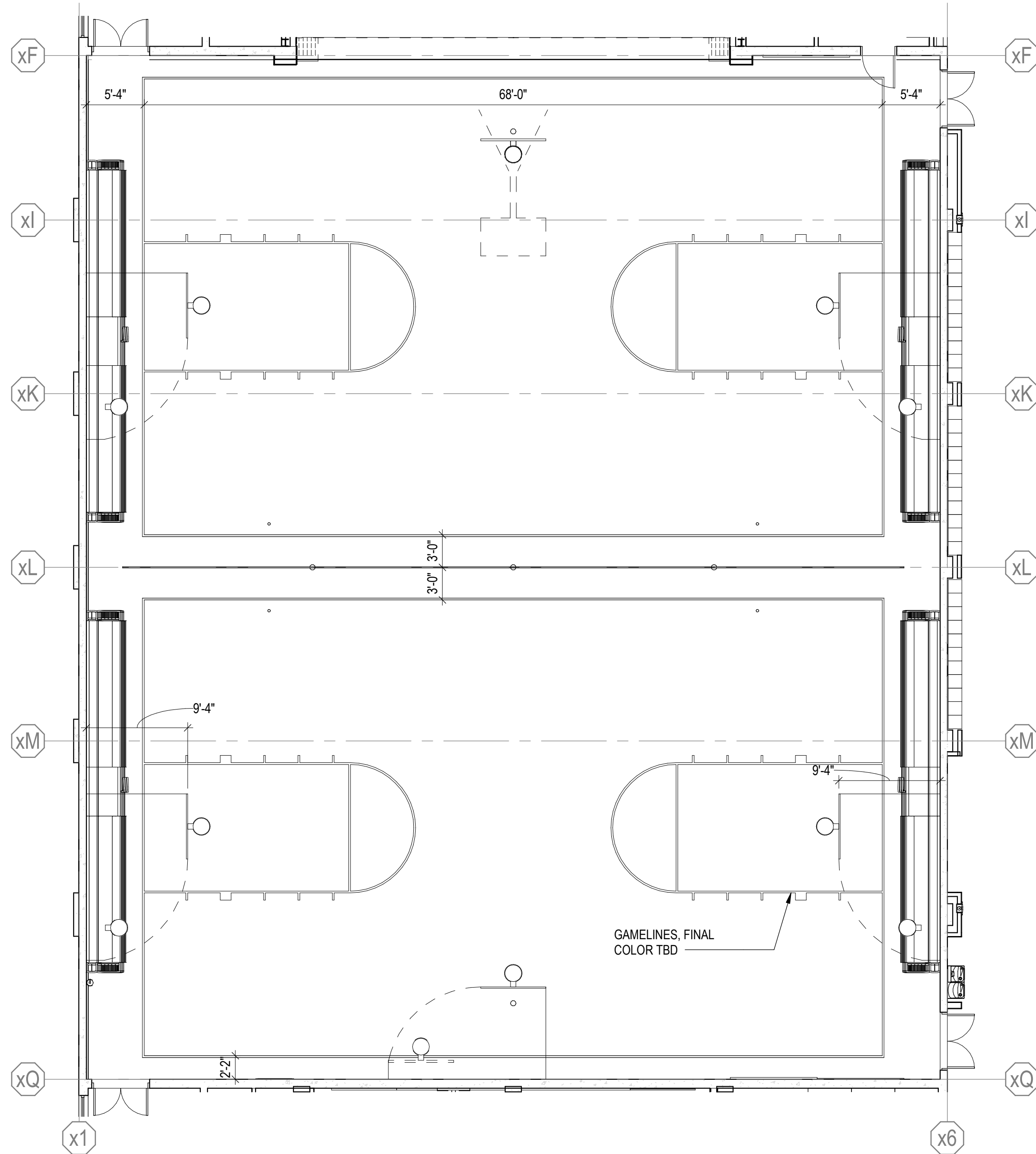
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	SS
Revisions	
#	Date Description

LEVEL 2 AREA B
- FINISH PLAN

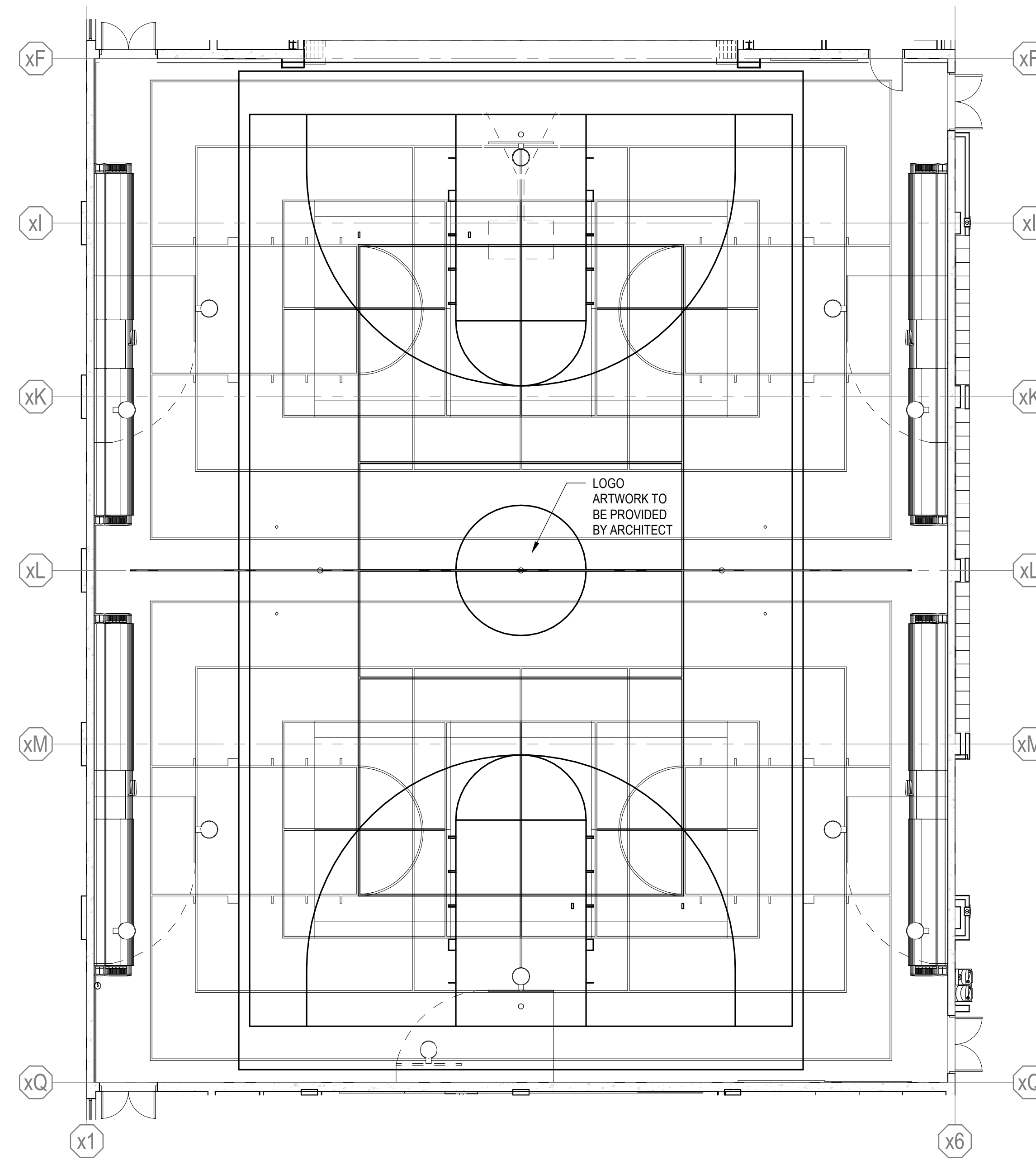
A402B



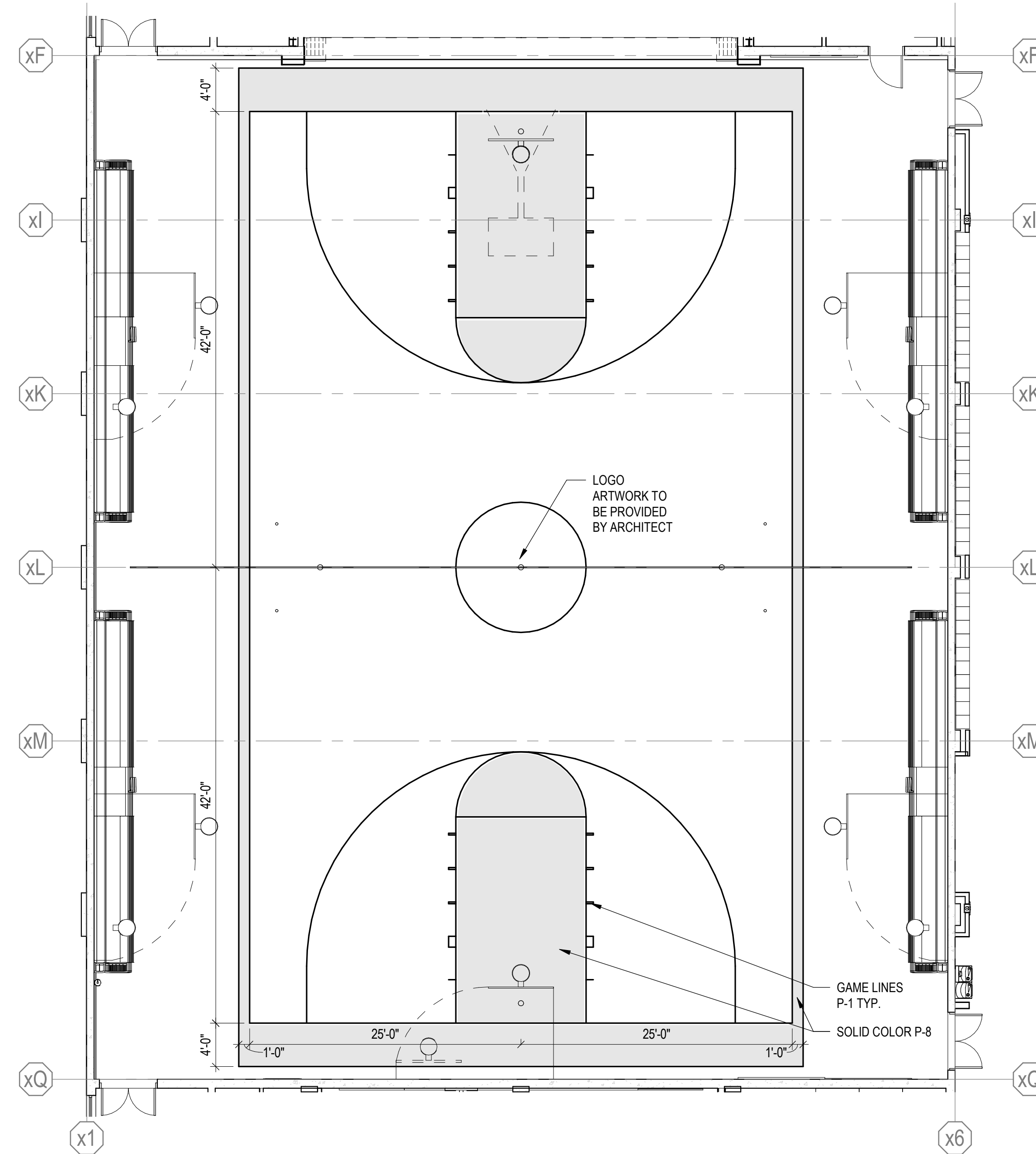
3 MAIN GYM - GAME LINES MAIN VOLLEYBALL
SCALE: 1/8" = 1'-0"



4 MAIN GYM - GAME LINES SIDE BASKETBALL
SCALE: 1/8" = 1'-0"



1 MAIN GYM - GAME LINES ALL
SCALE: 1/8" = 1'-0"

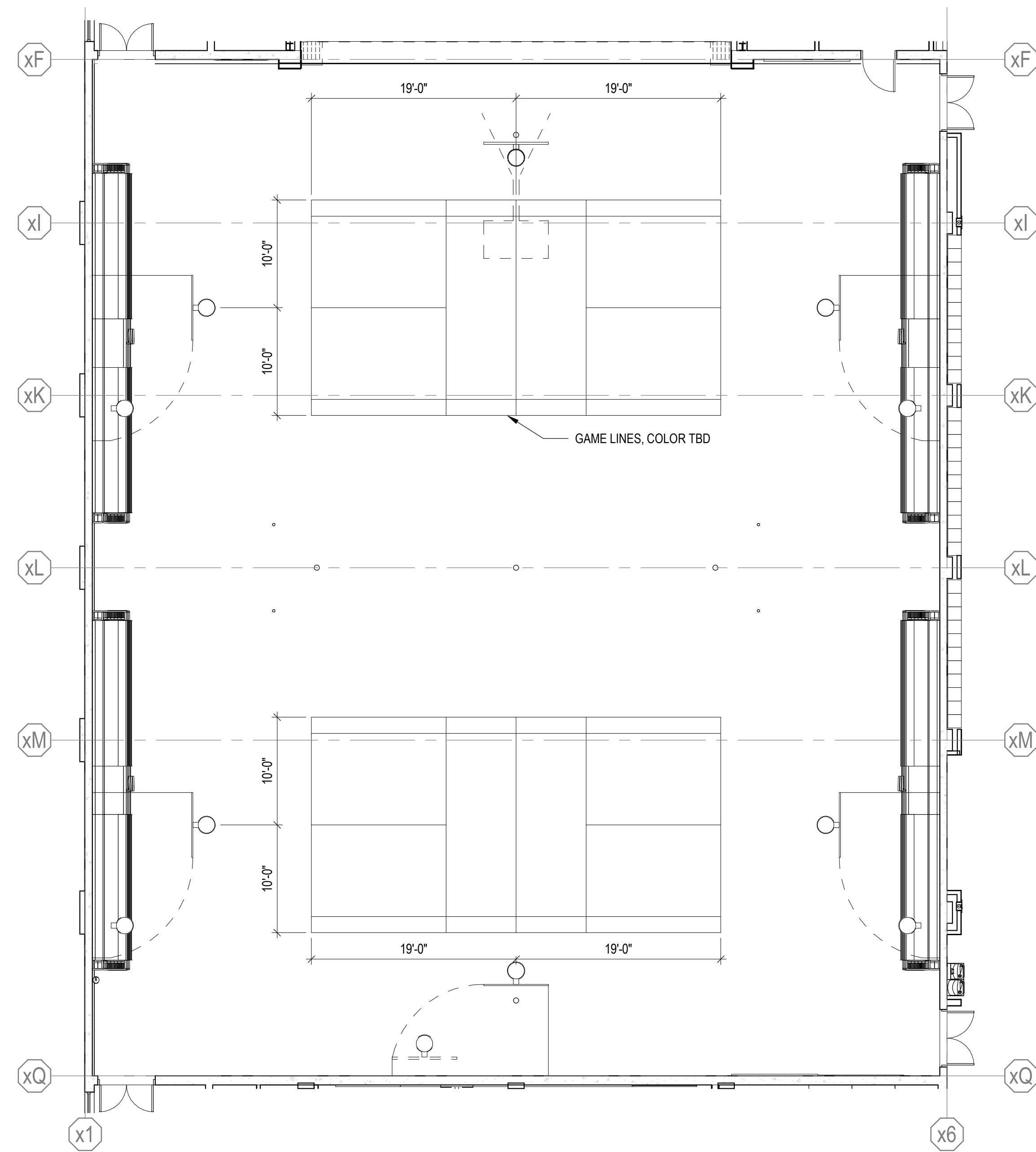


2 MAIN GYM - GAME LINES MAIN BASKETBALL
SCALE: 1/8" = 1'-0"

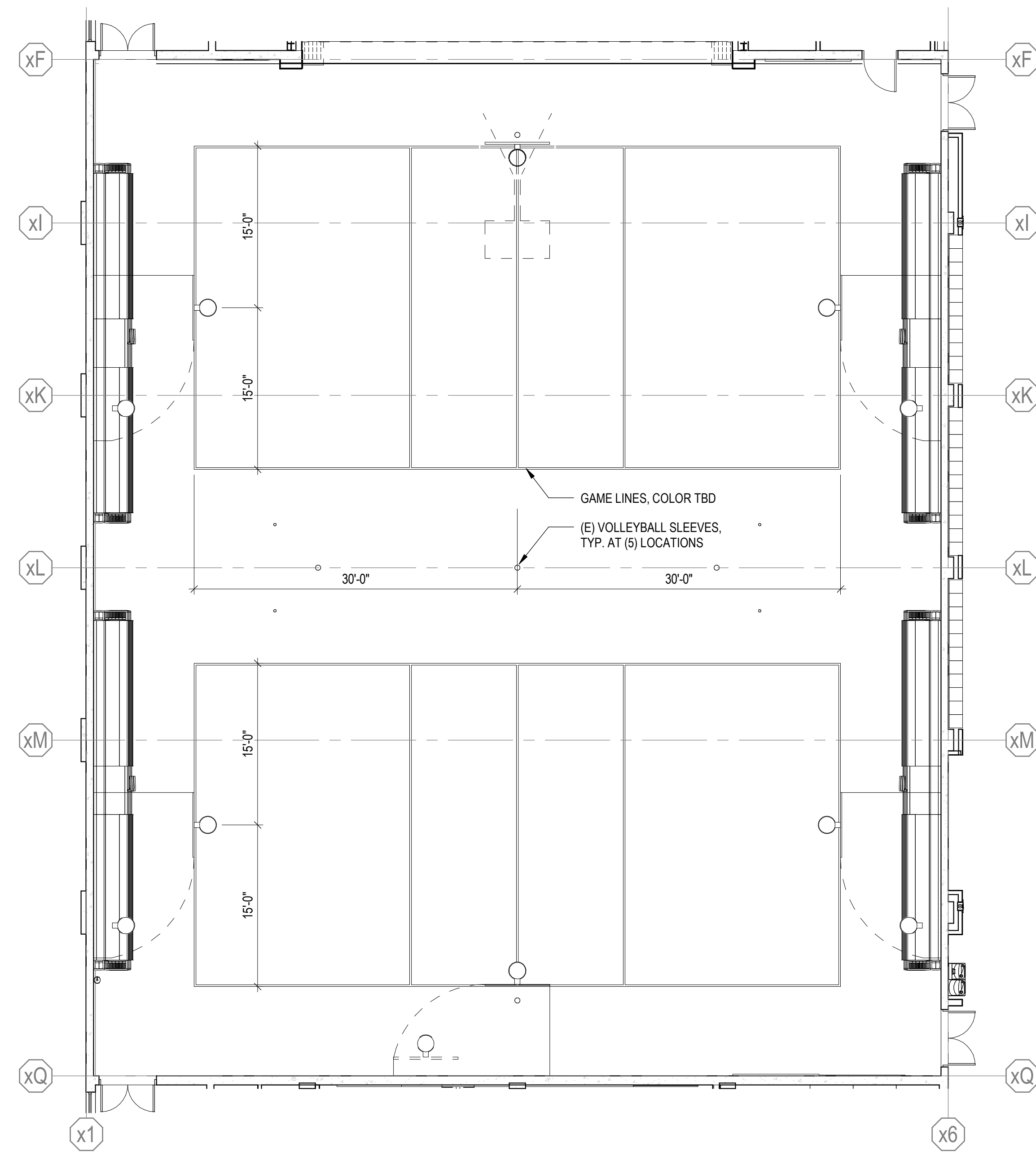
**KELSO SCHOOL DISTRICT NO. 458
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Date:	05/28/2021
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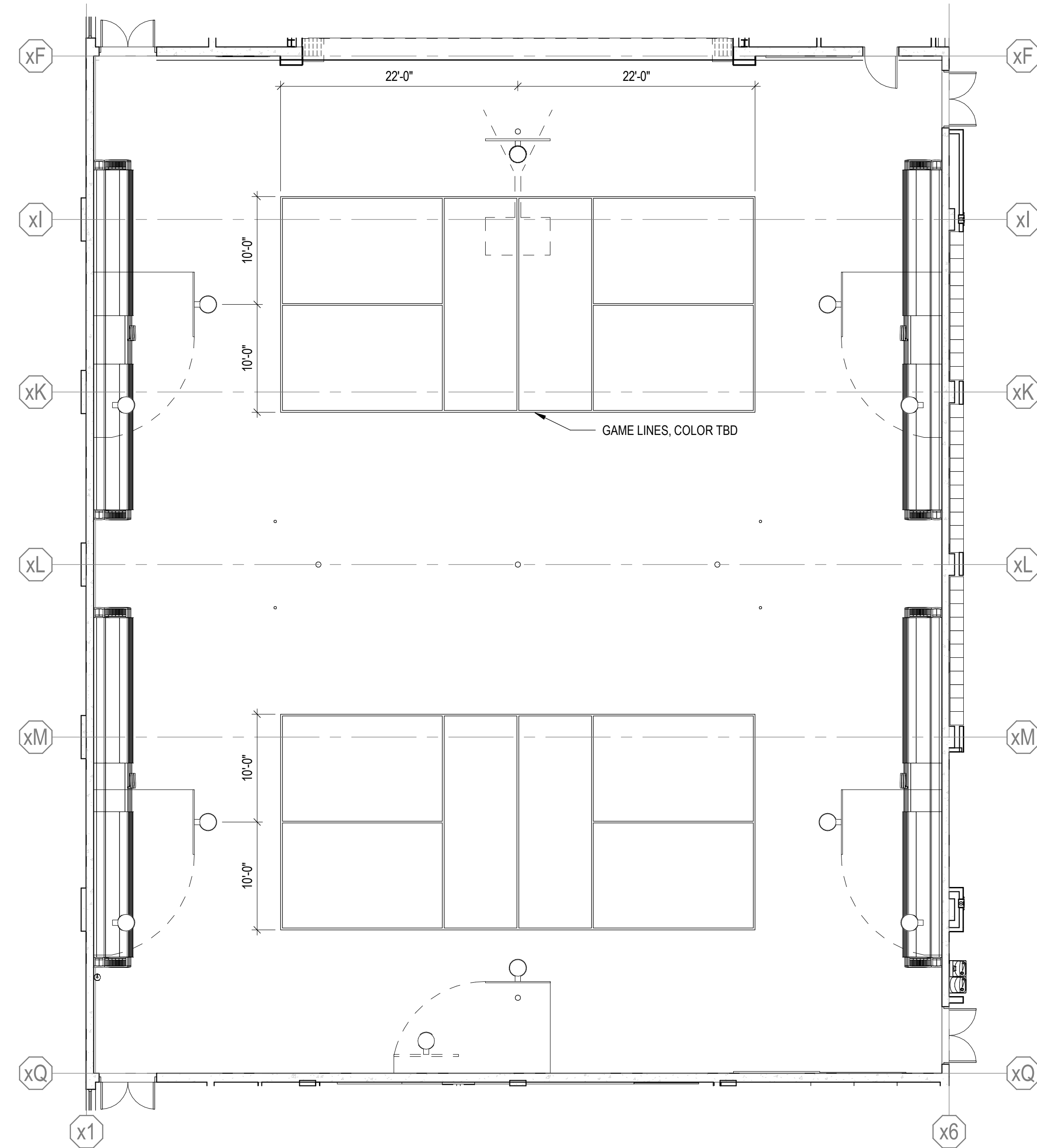
GYM STRIPING
PLAN



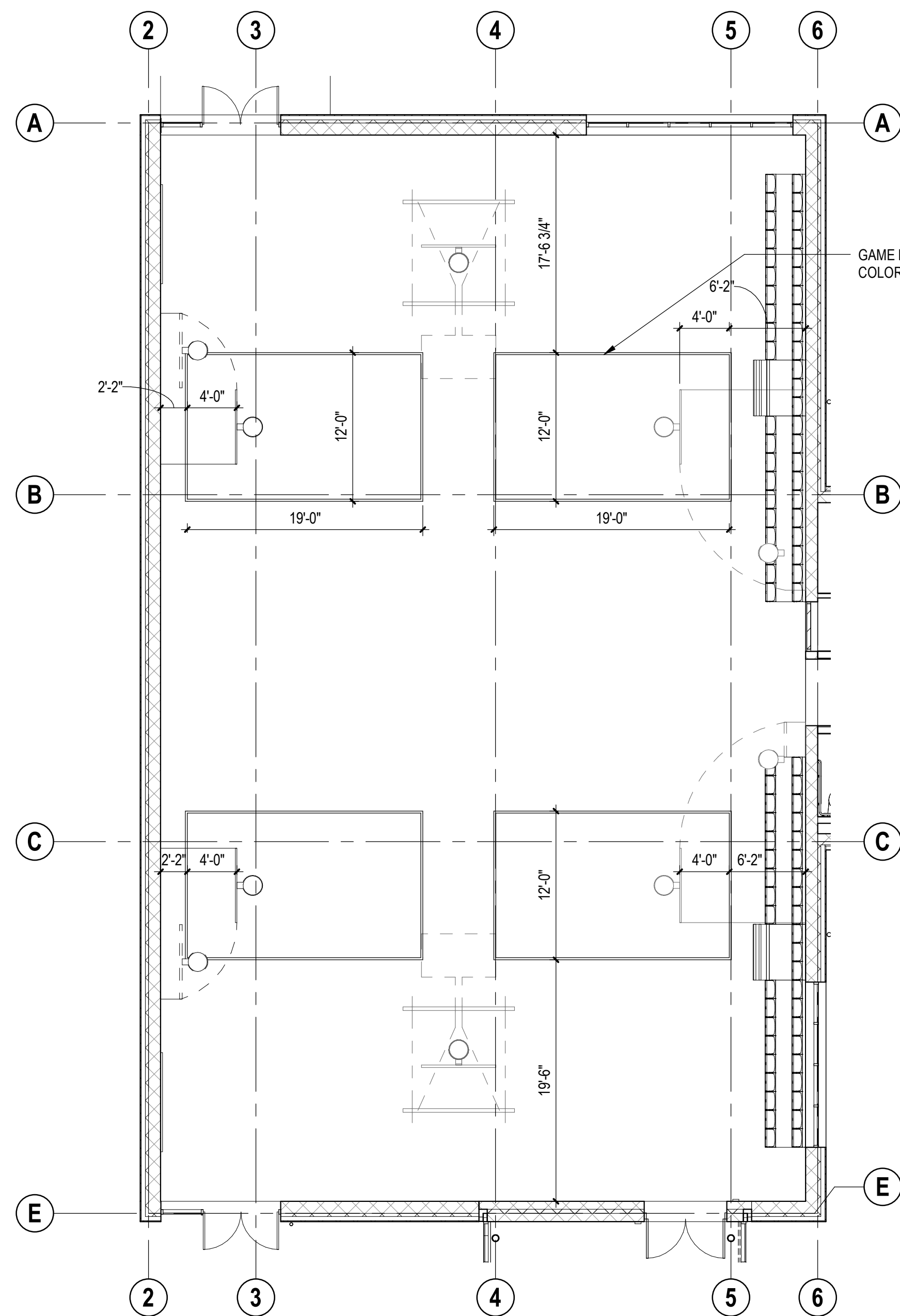
3 MAIN GYM - GAME LINES BADMINTON
SCALE: 1/8" = 1'-0"



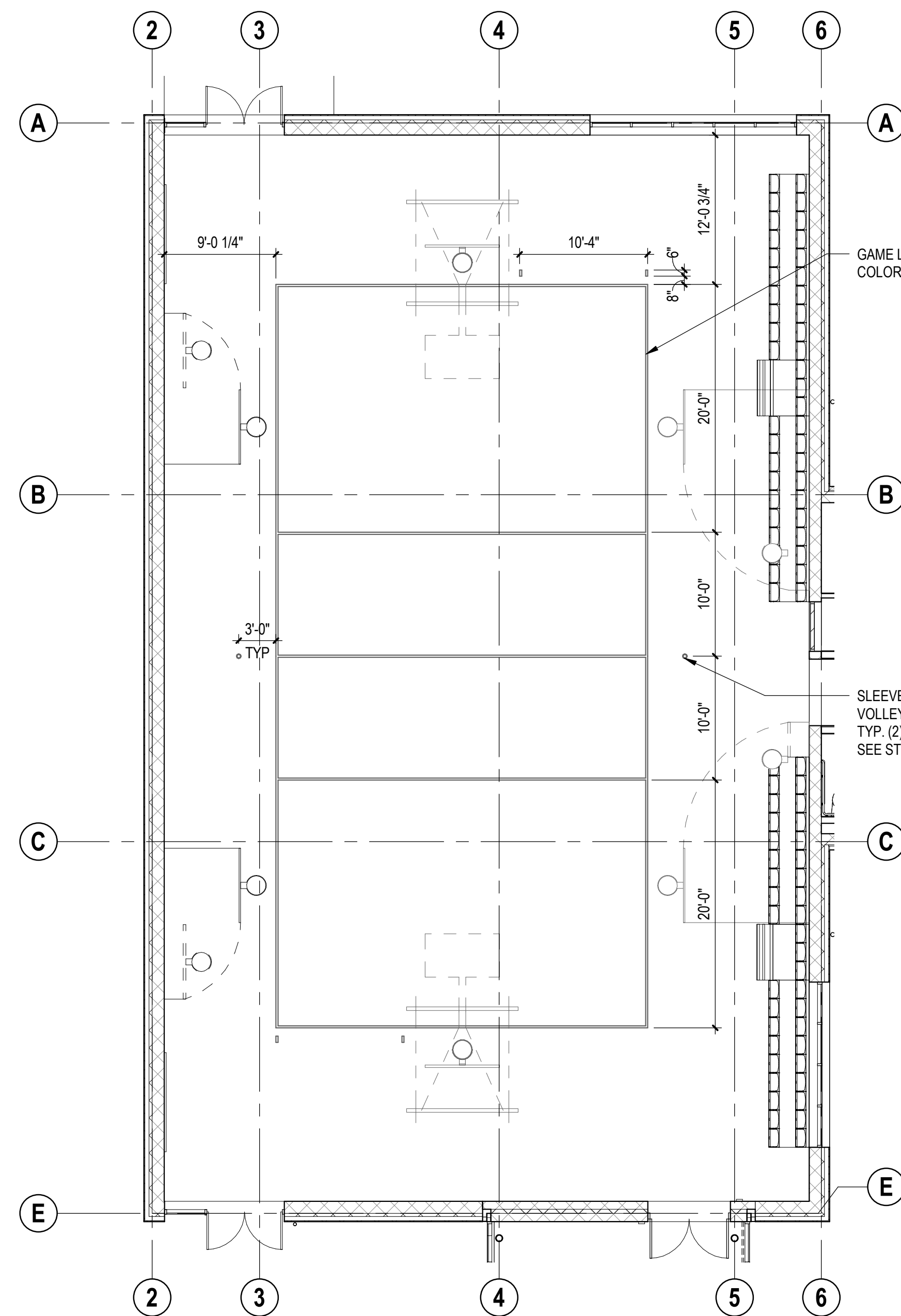
1 MAIN GYM - GAME LINES SIDE VOLLEYBALL
SCALE: 1/8" = 1'-0"



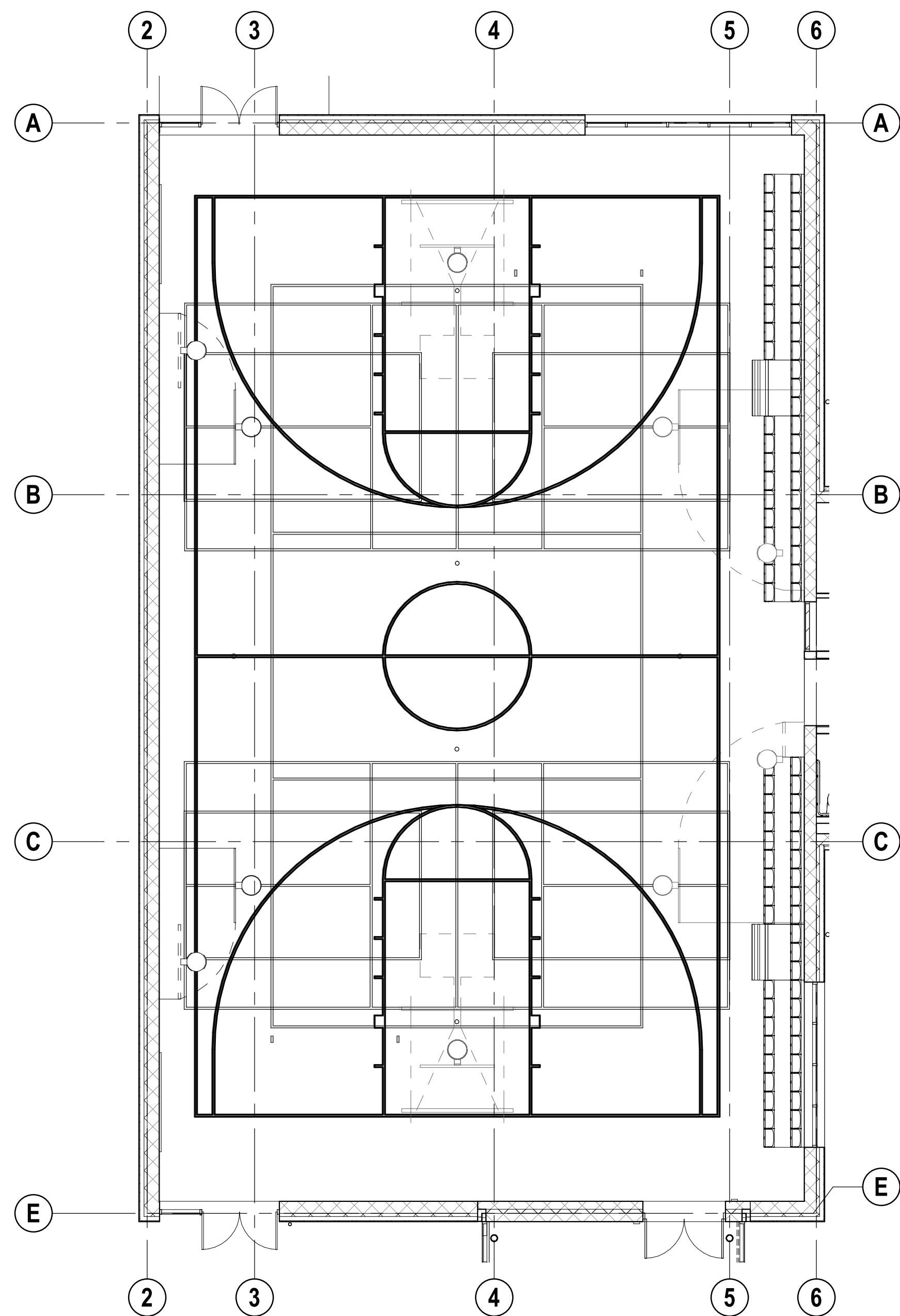
2 MAIN GYM - GAME LINES PICKLE BALL
SCALE: 1/8" = 1'-0"



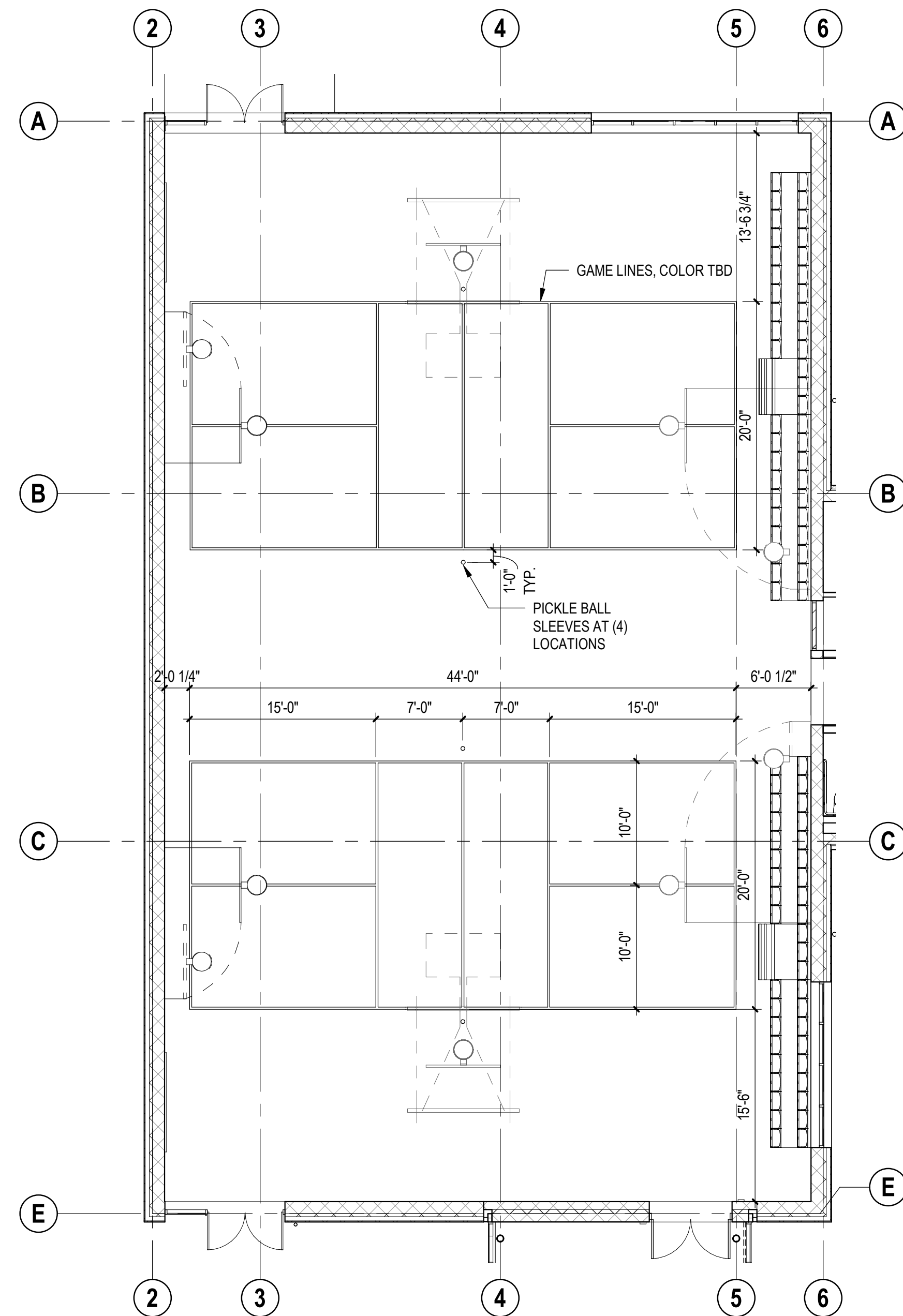
5 AUX GYM - GAME LINES PRACTICE BASKETBALL
SCALE: 1/8" = 1'-0"



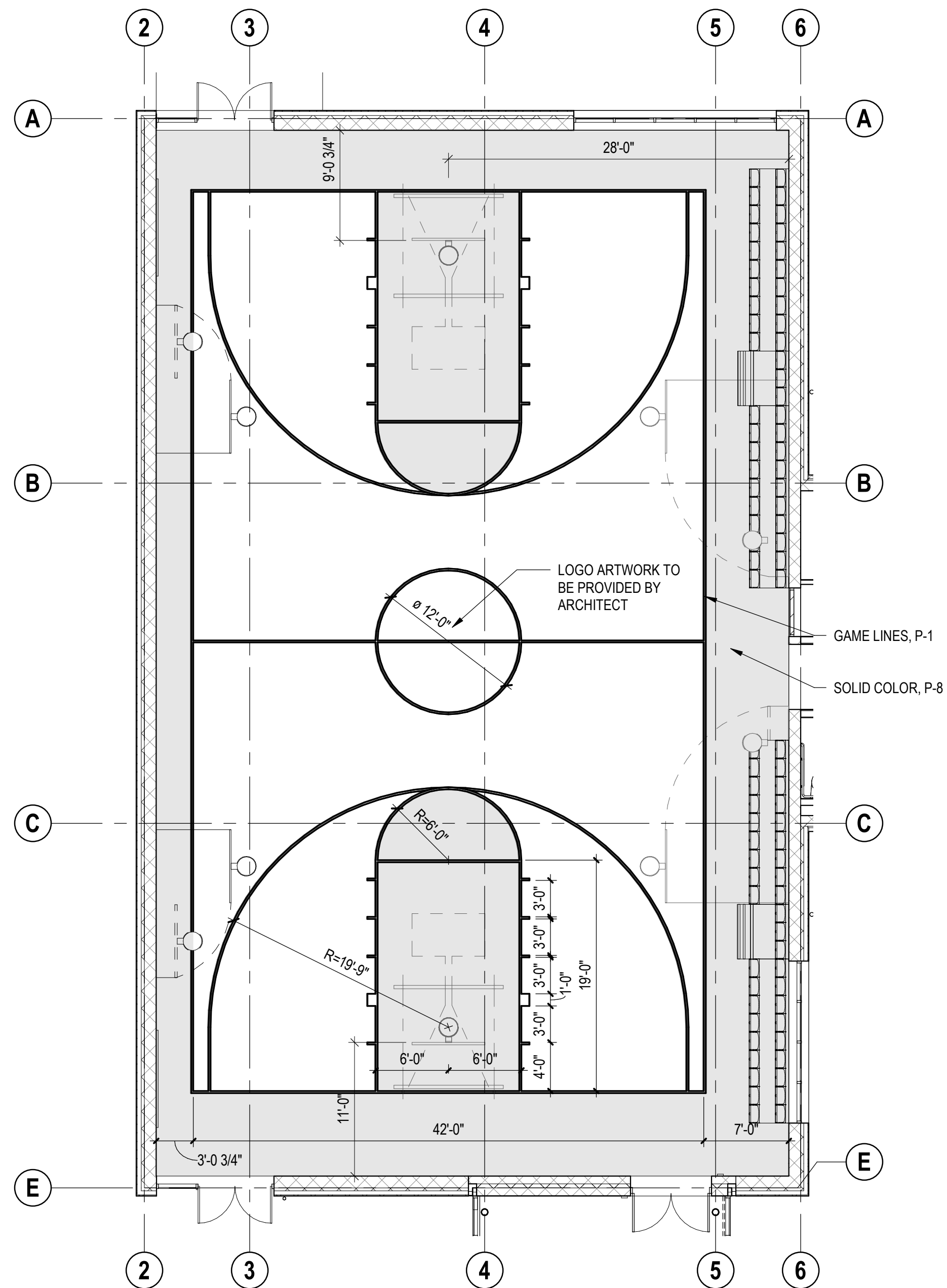
3 AUX GYM - GAME LINES VOLLEYBALL
SCALE: 1/8" = 1'-0"



1 AUX GYM - GAME LINES ALL
SCALE: 1/8" = 1'-0"



4 AUX GYM - GAME LINES PICKLEBALL
SCALE: 1/8" = 1'-0"

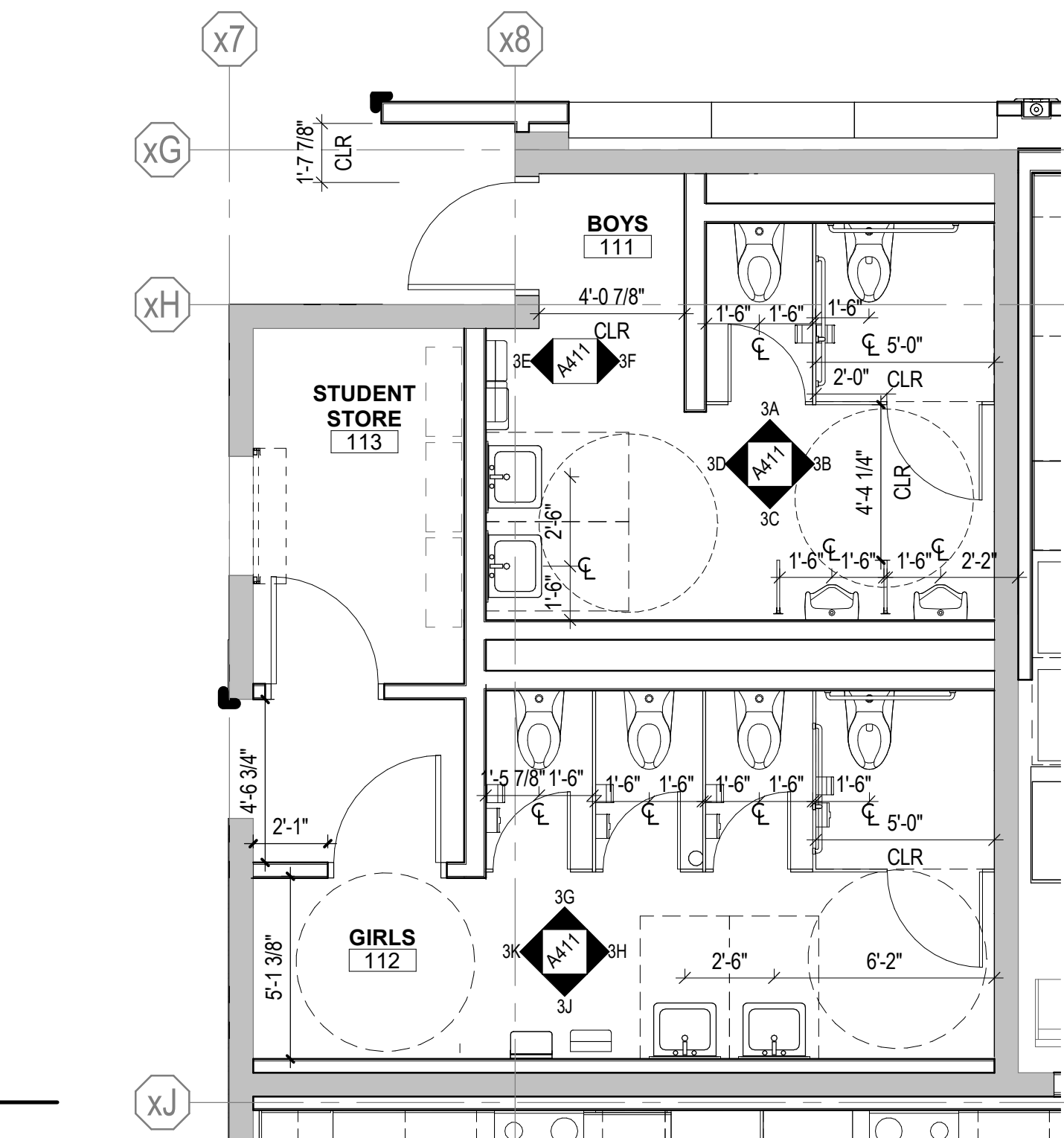
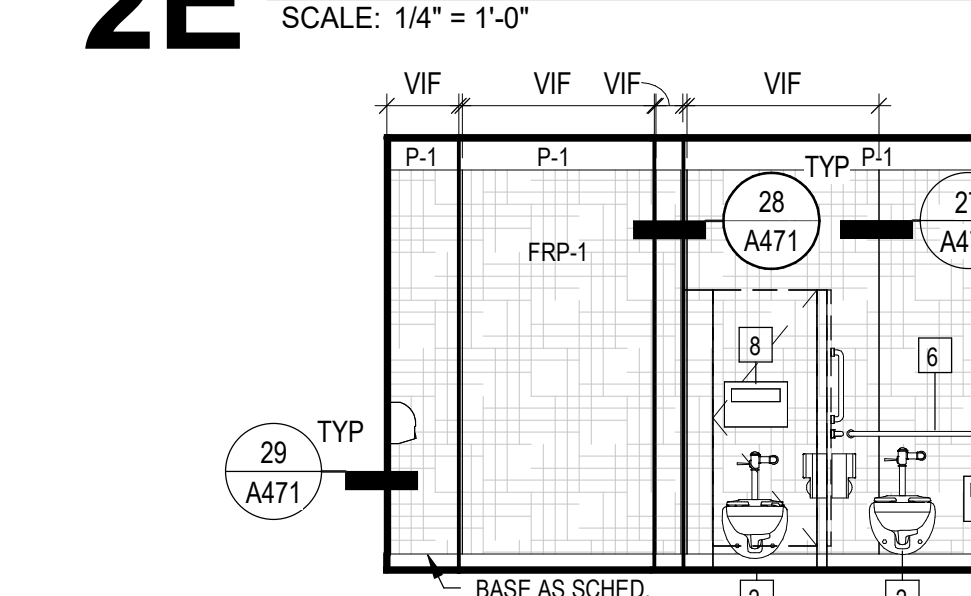
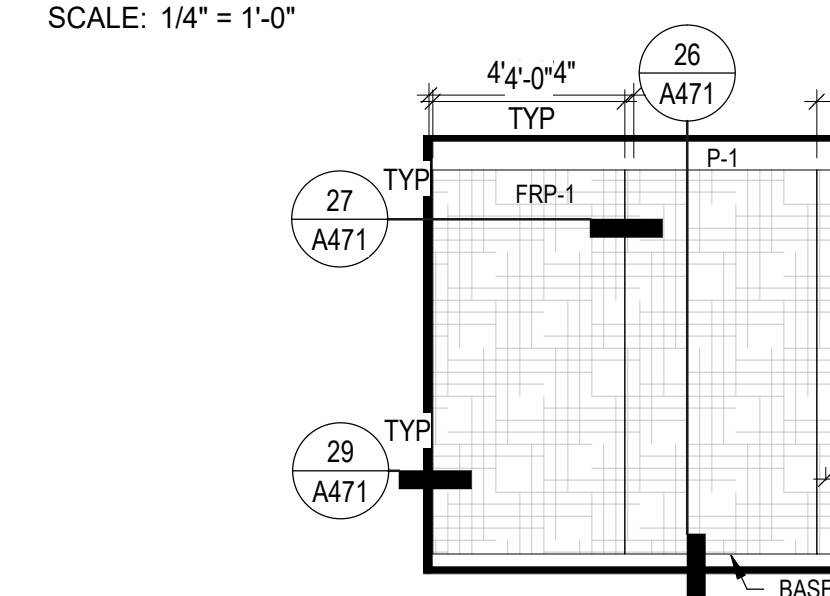
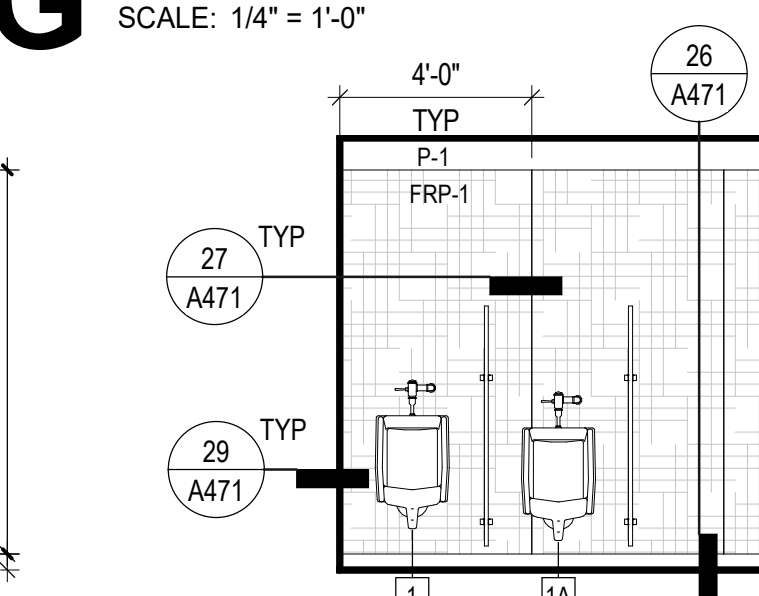
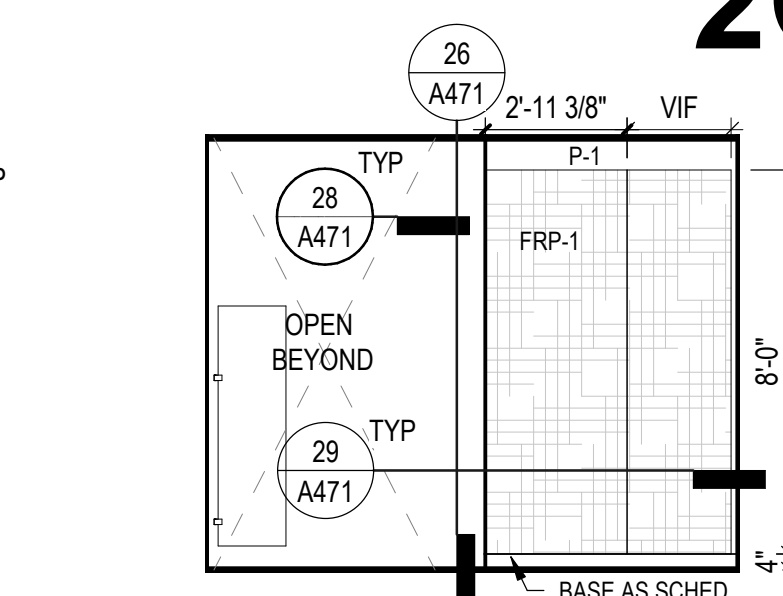
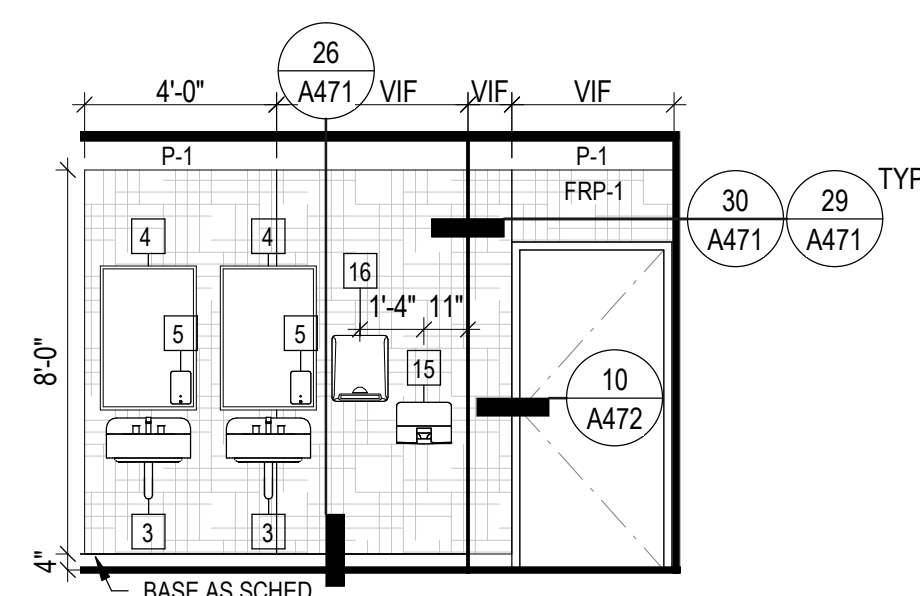
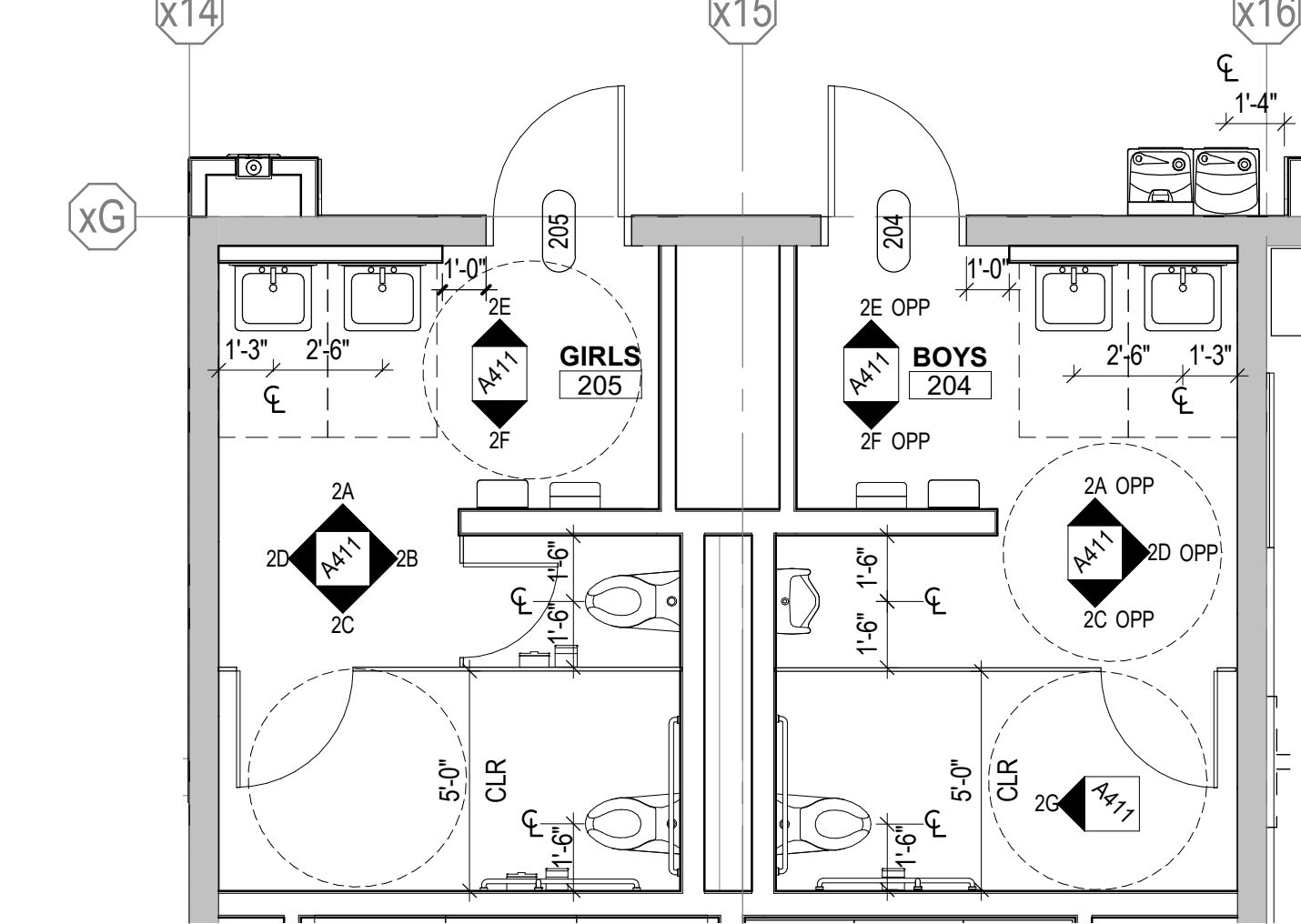
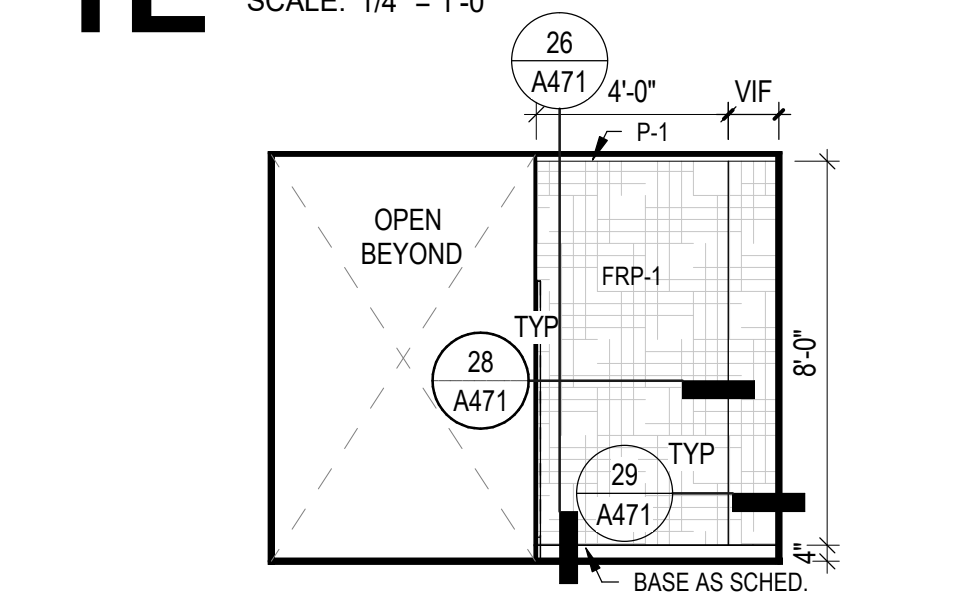
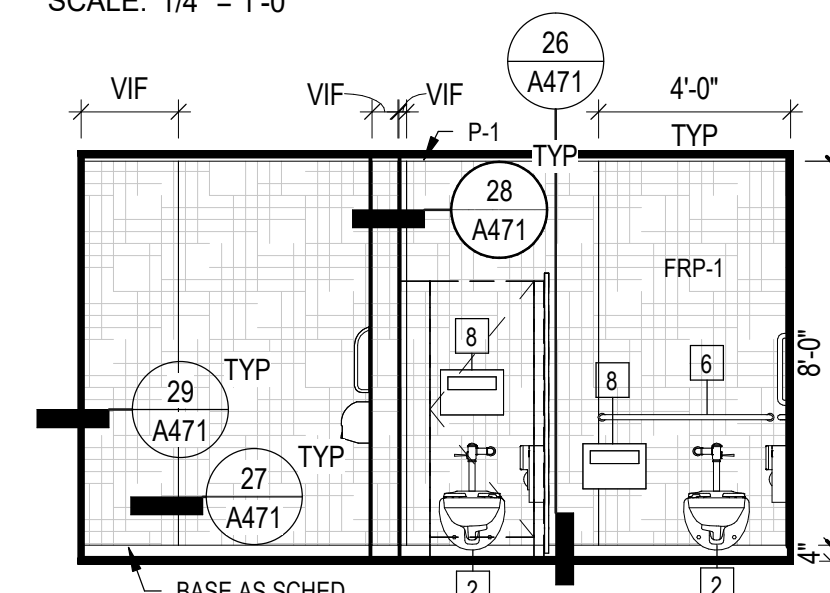
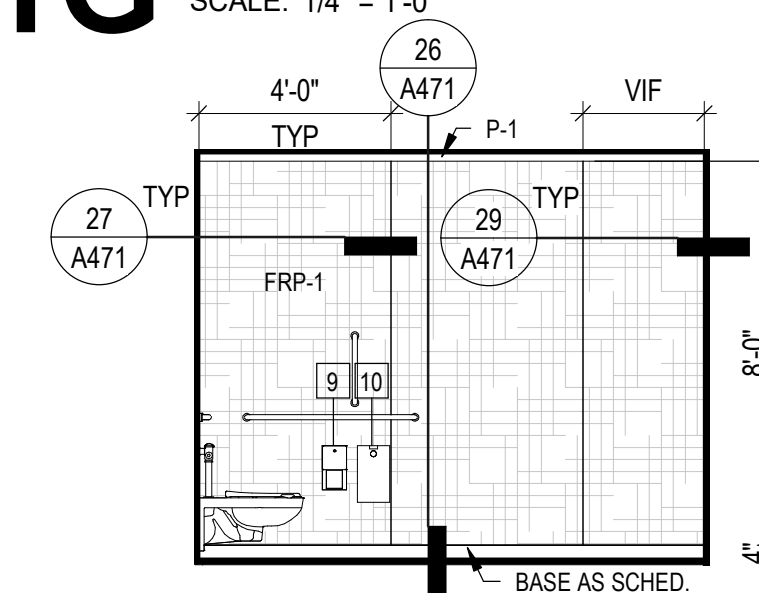
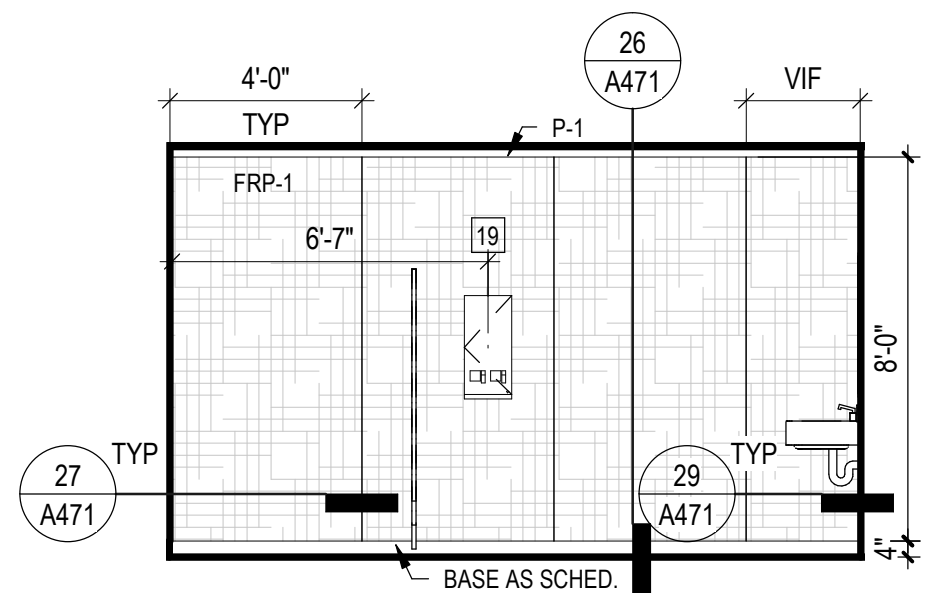
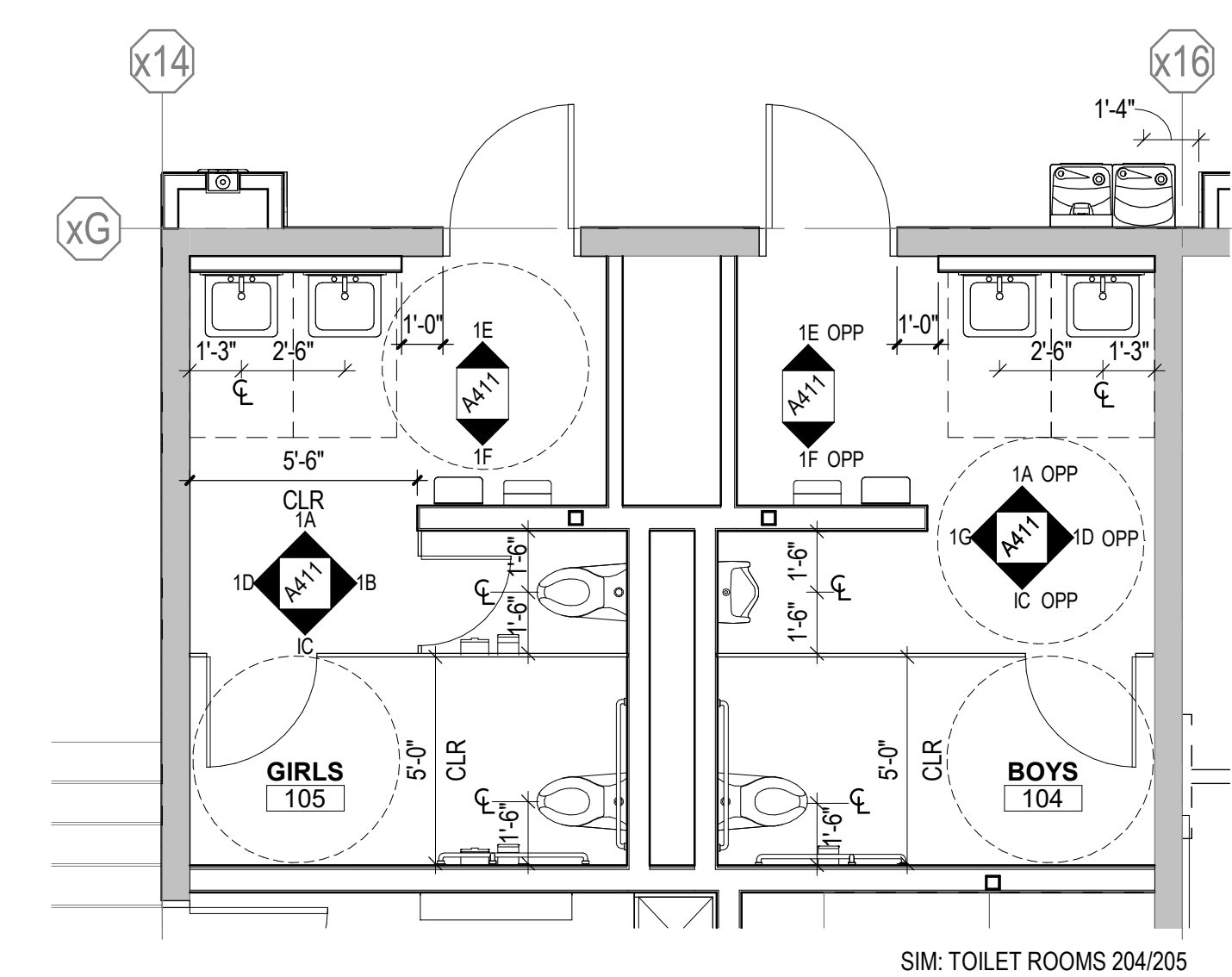
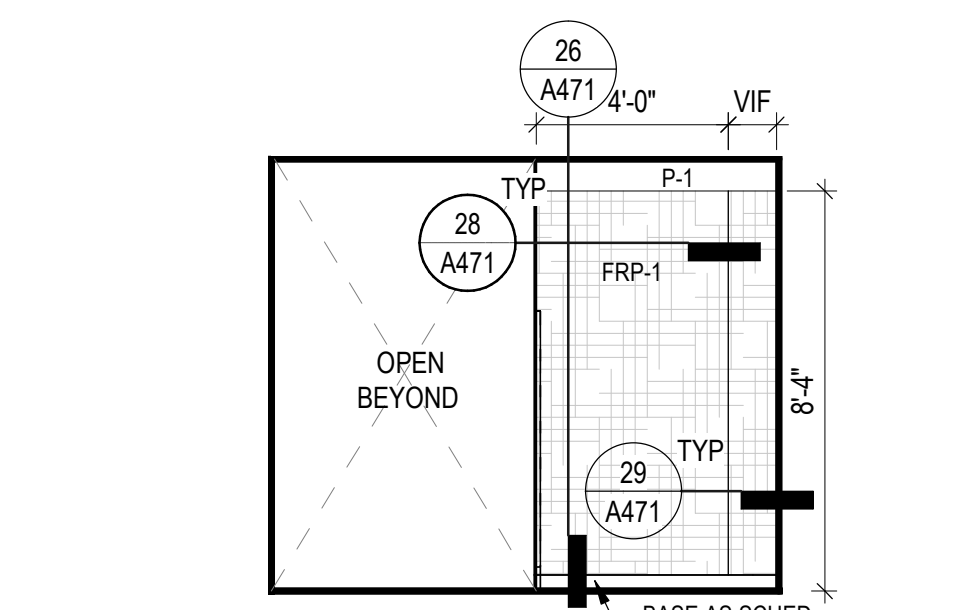
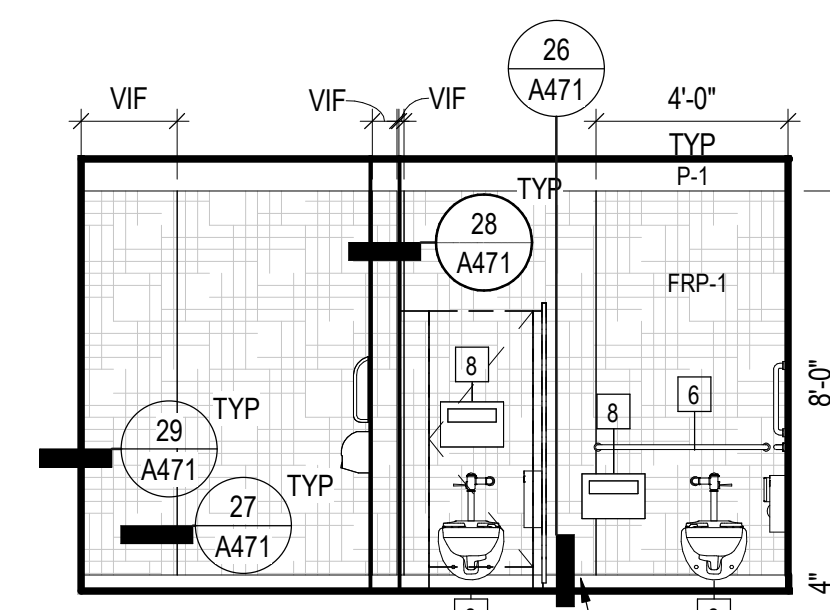
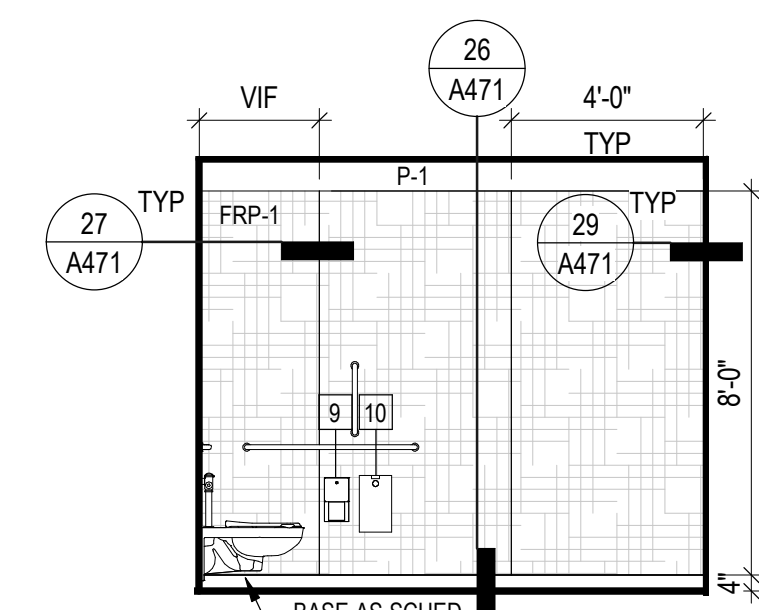
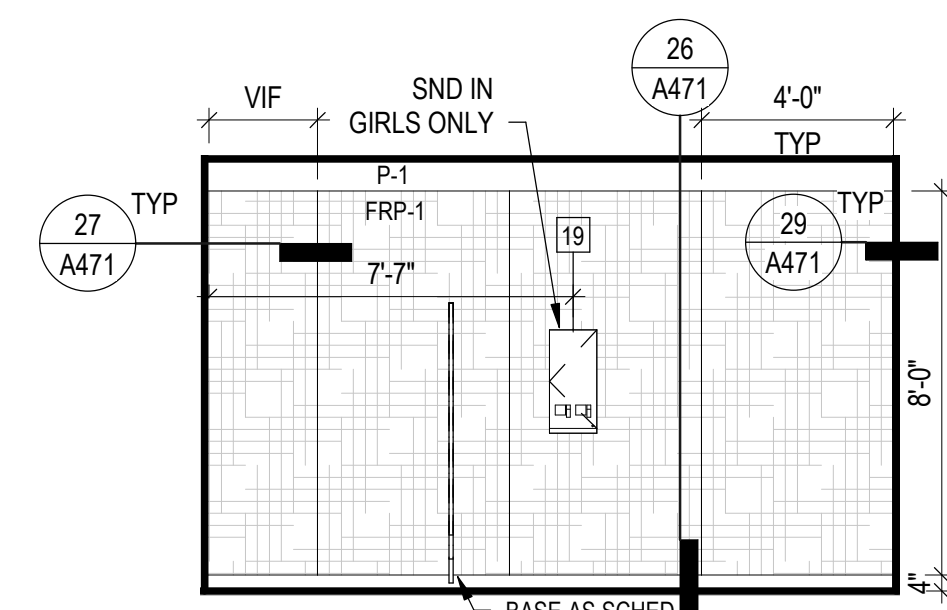


2 AUX GYM - GAME LINES BASKETBALL
SCALE: 1/8" = 1'-0"

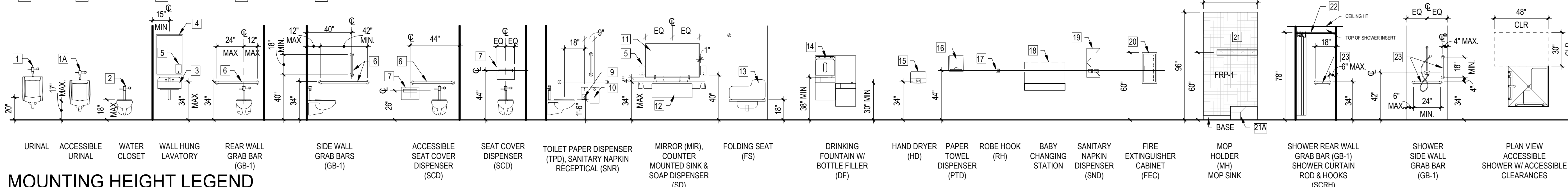
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Date:	05/28/2021
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Checked by:	Checker
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AUX GYM
STRIPING PLAN

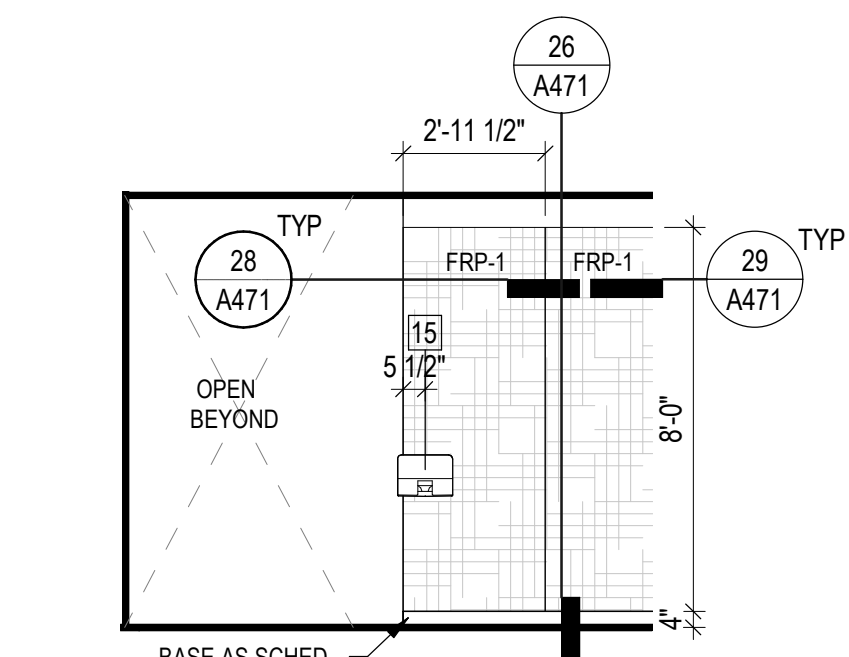


1	DRINK	5	BAR/BEVERAGE (FO)	10	SHOWER WARM RECEIPT	15	ARM CHAIR	20	FINE DRESSING CABINET
1A	TOILET	6	SHOWER AREA	11	LAZAR MEDICAL STAFF	16	PAINTED TABLE, SHOWER (FO)	21	HOP-UP LIFT
2	TOILET	7	HEAT CLOTH-DEPENDER (FO)	12	STOOL-CHG	17	KIDZ ROOM	21A	HOP-UP LIFT
3	LAUNDRY	8	NOT USED	13	SHOWER SHAR	18	MAP CHANGING STATION	22	SHOWER CLOTHES HEDS & HANGERS
4	WHEELCHAIR	9	HEAT CLOTH-DEPENDER (FO)	14	CORRUPTOR- BOTTLE FILLER	19	SHOWER WARM CLOSET	23	SHOWER HANGERS AREA

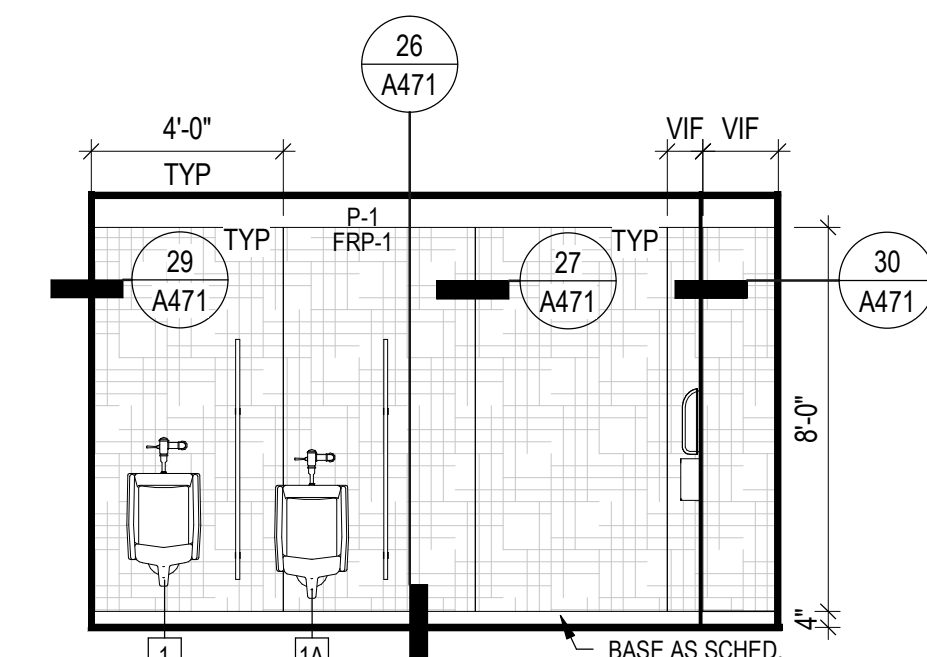


TOILET ROOM GENERAL NOTES

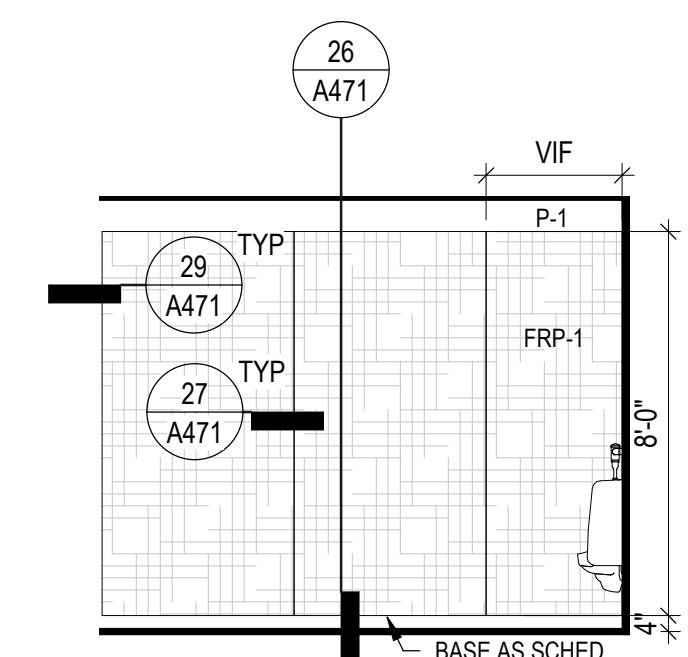
1. PROVIDE DOOR STOPS ON TOILET PARTITIONS AT THE FRP WALL.
2. ONE (1) TOILET PAPER DISPENSER IN EACH TOILET STALL IN ALL TOILET ROOMS
3. ONE (1) SANITARY NAPKIN DISPOSAL UNIT PER STALL IN WOMEN'S TOILET ROOM # AND UNisex TOILET ROOMS #
4. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN (FD) LOCATIONS AT EACH TOILET ROOM. CONFIRM EACH FD WITH ARCHITECT.
5. PROVIDE BACKING SUPPORT AT ALL GRAB BARS PER MANUFACTURER'S RECOMMENDATION
6. FOR ALL WALL MOUNTING, NOT SHOWN ON ELEVATIONS COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
7. REFER TO A411 FOR ALL TYPICAL MOUNTING HEIGHTS
8. REFER TO A451 FOR INTERIOR ELEVATION GENERAL NOTES



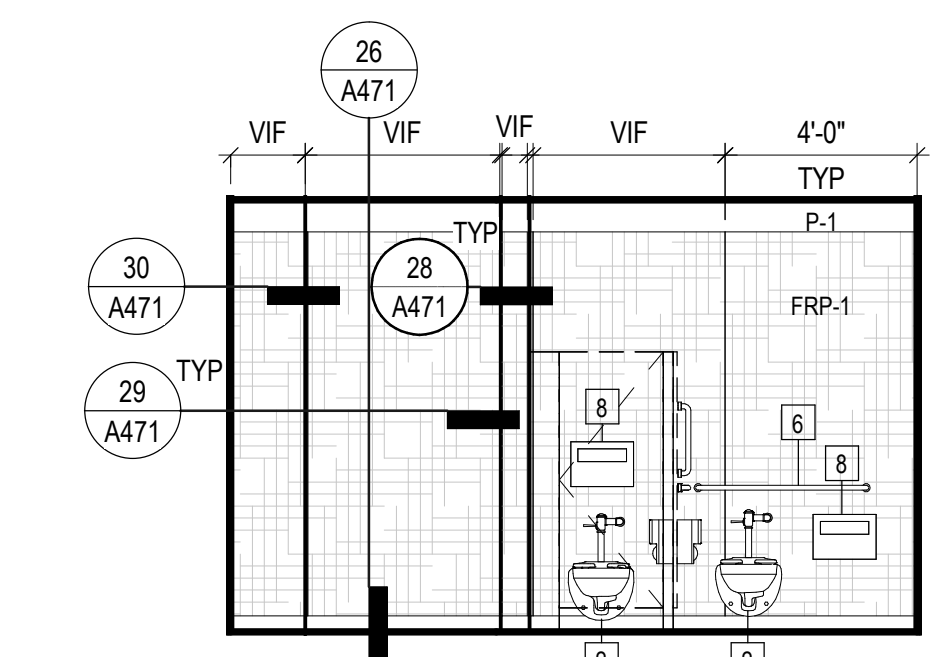
1D TOILET ROOM 211 - W
SCALE: 1/4" = 1'-0"



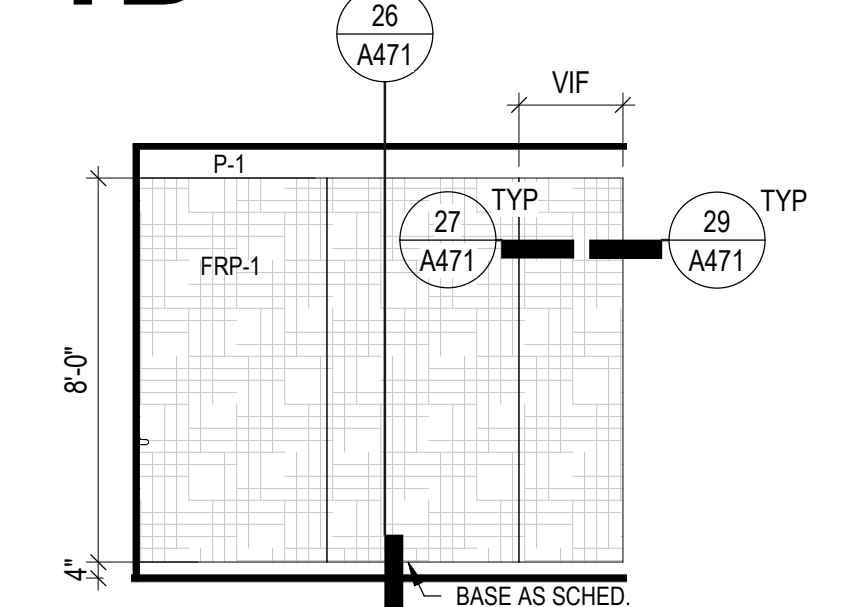
1C TOILET ROOM 211 - S
SCALE: 1/4" = 1'-0"



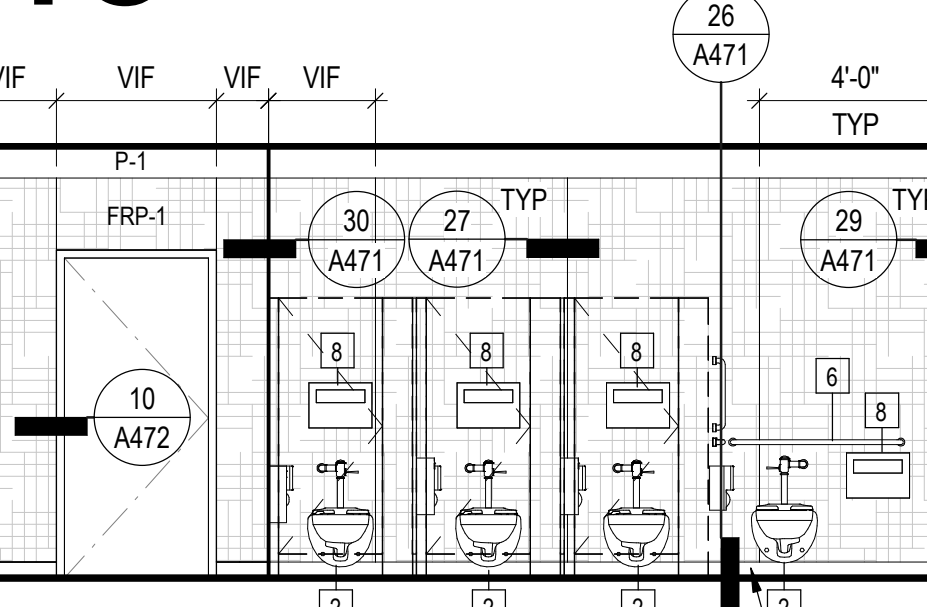
1B TOILET ROOM 211 - E
SCALE: 1/4" = 1'-0"



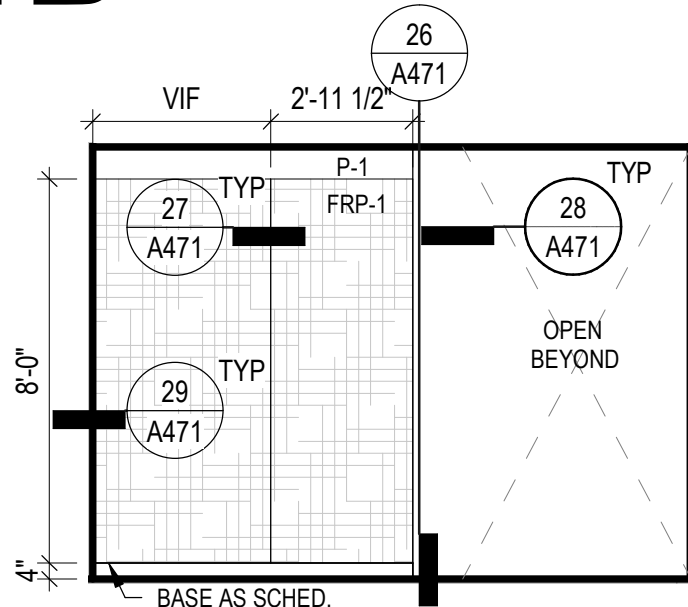
1A TOILET ROOM 211 - N
SCALE: 1/4" = 1'-0"



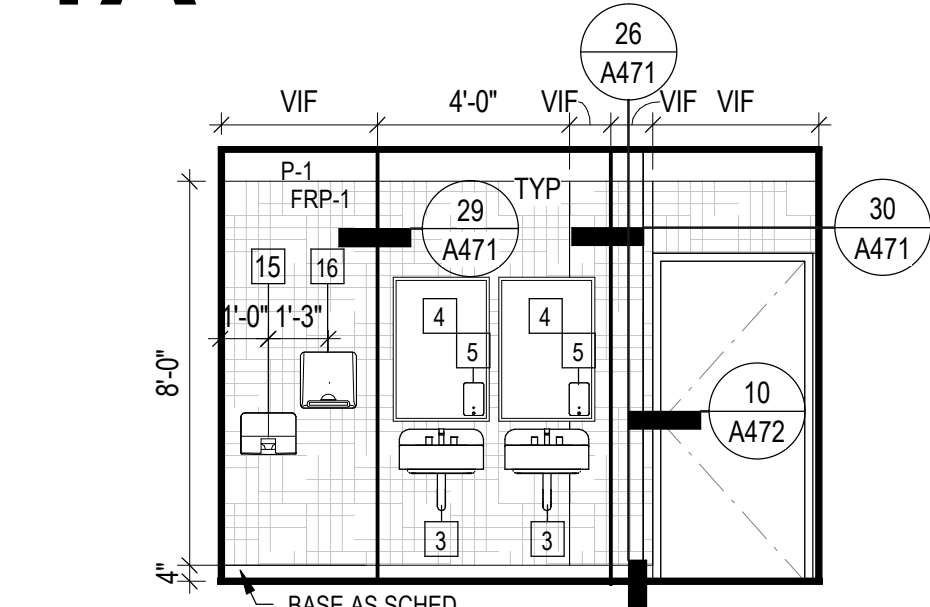
1H TOILET ROOM 212 - E
SCALE: 1/4" = 1'-0"



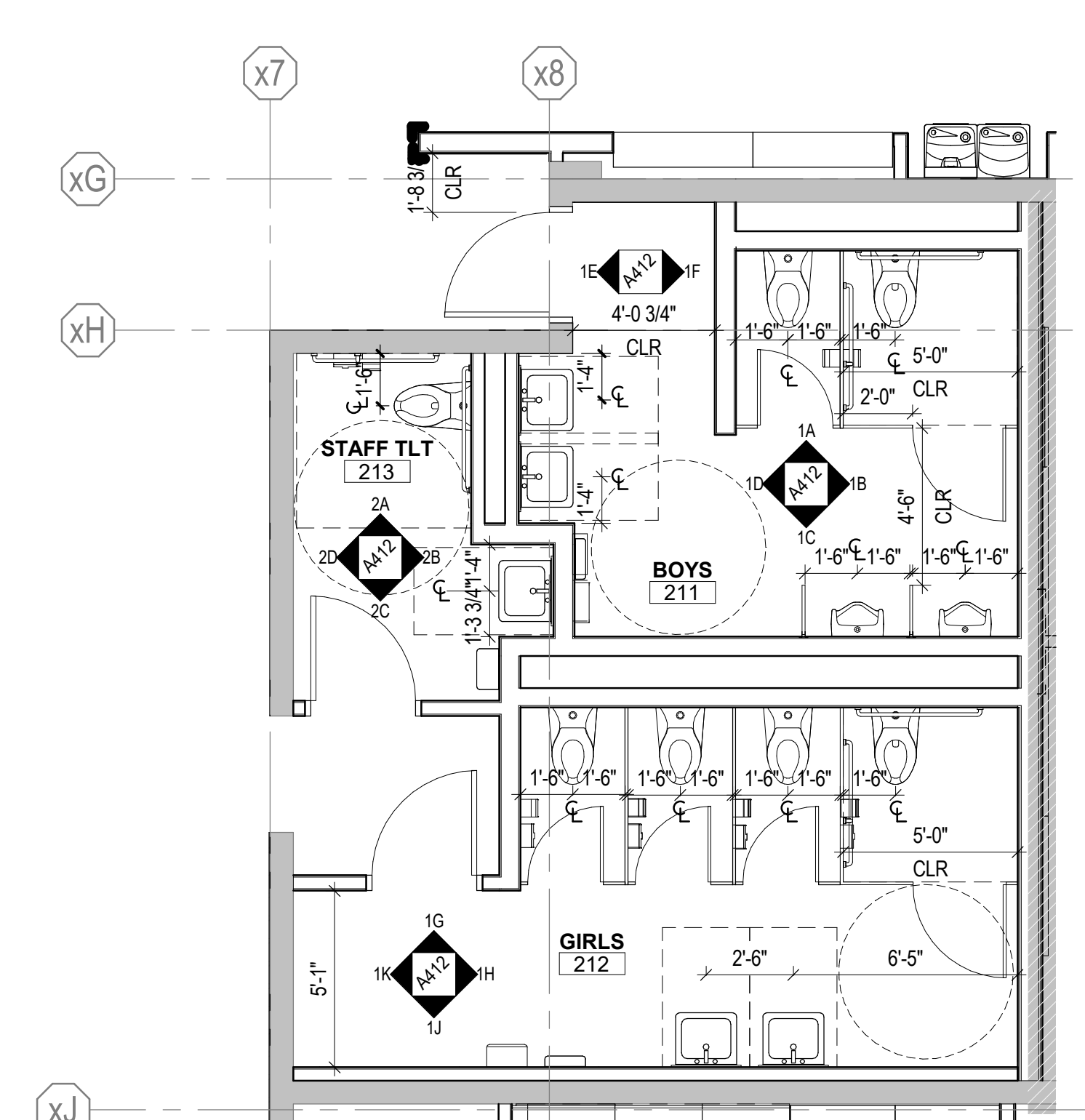
1G TOILET ROOM 212 - N
SCALE: 1/4" = 1'-0"



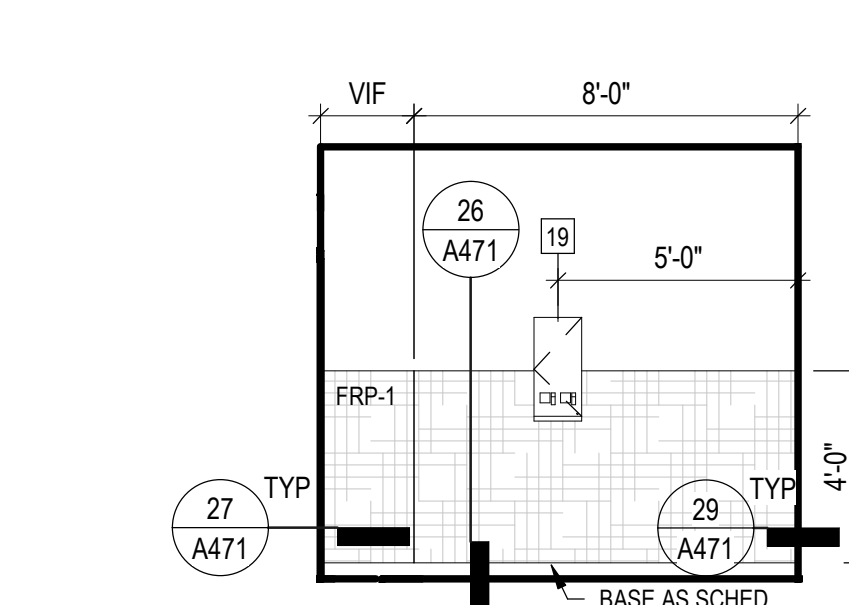
1F TOILET ROOM 211 ENTRY - E
SCALE: 1/4" = 1'-0"



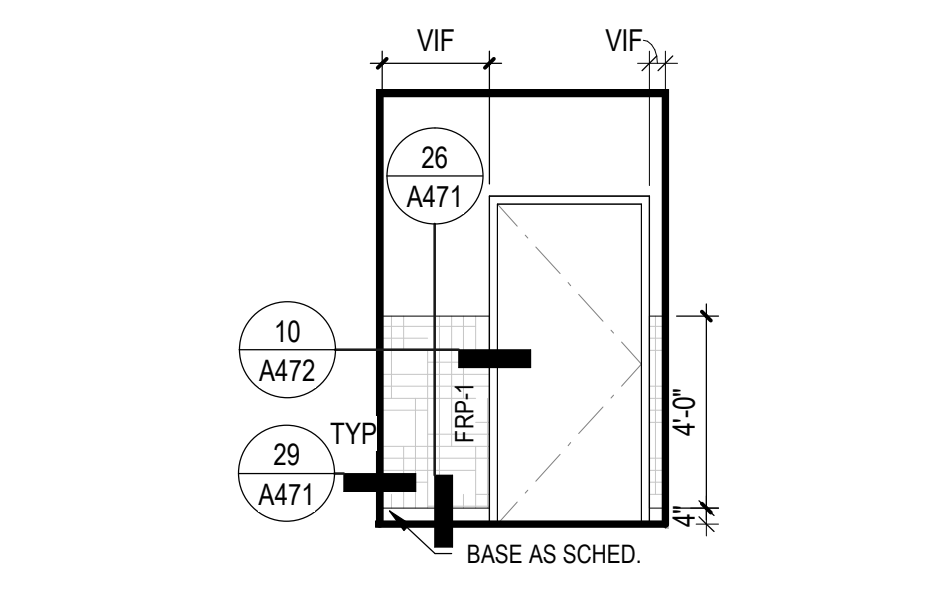
1E TOILET ROOM 211 ENTRY - W
SCALE: 1/4" = 1'-0"



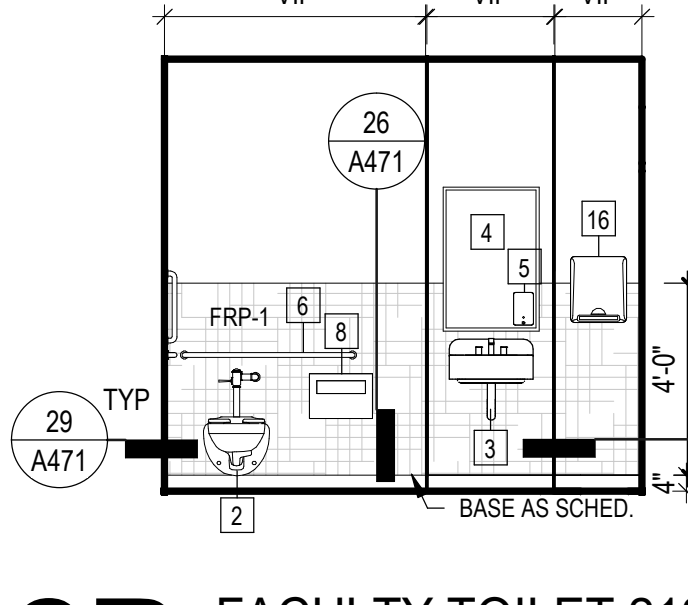
1 TOILET ROOMS 211 & 212
SCALE: 1/4" = 1'-0"



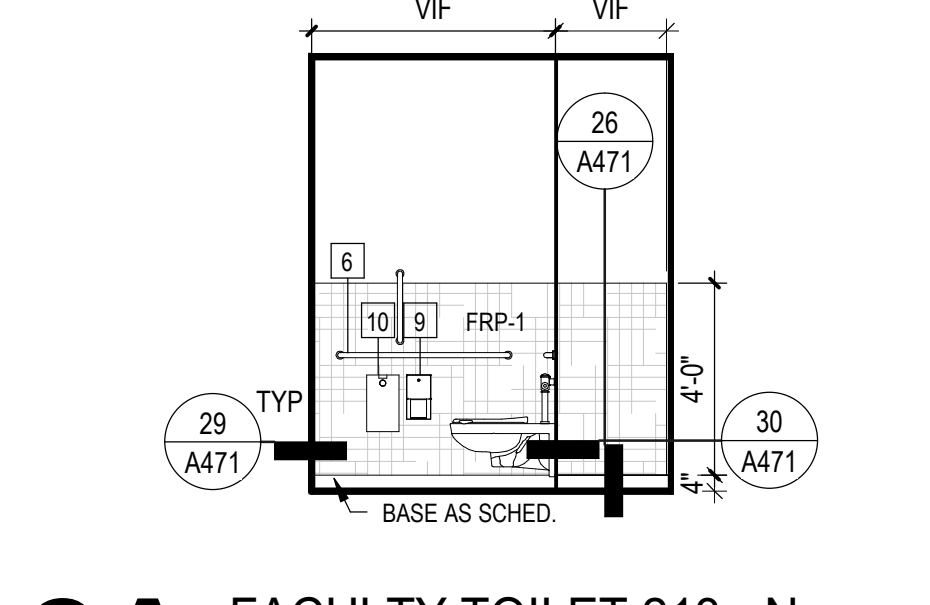
2D FACULTY TOILET 213 - W
SCALE: 1/4" = 1'-0"



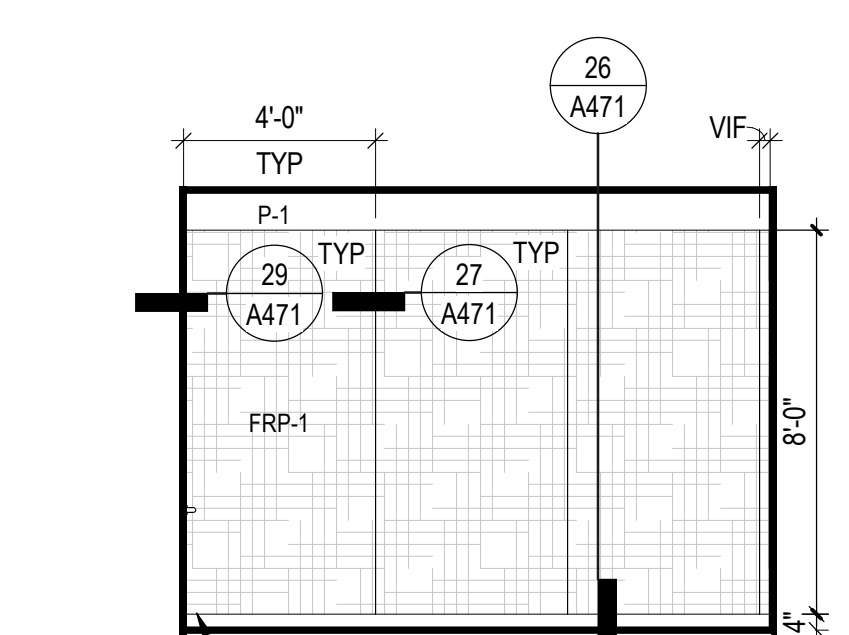
2C FACULTY TOILET 213 - S
SCALE: 1/4" = 1'-0"



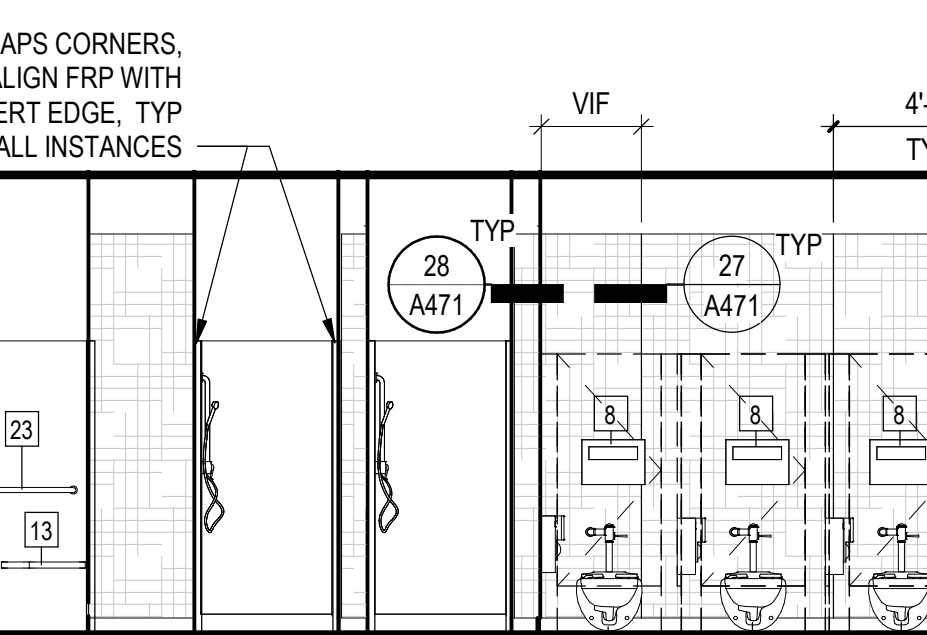
2B FACULTY TOILET 213 - E
SCALE: 1/4" = 1'-0"



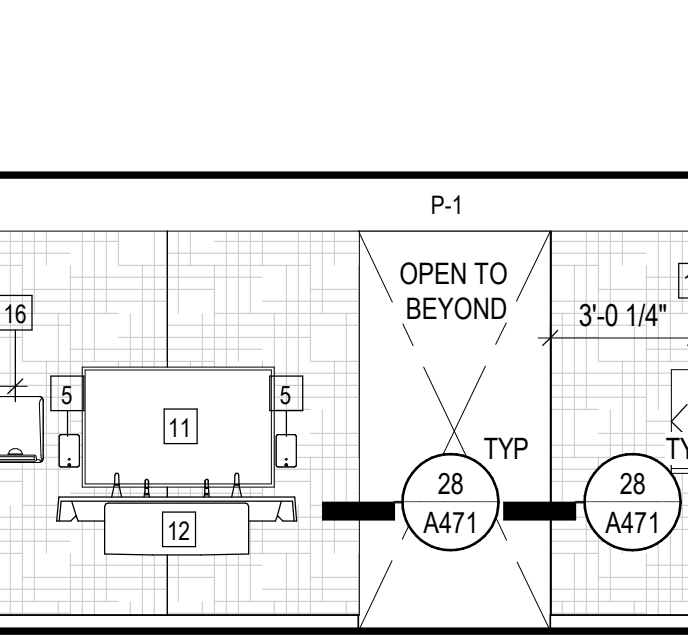
2A FACULTY TOILET 213 - N
SCALE: 1/4" = 1'-0"



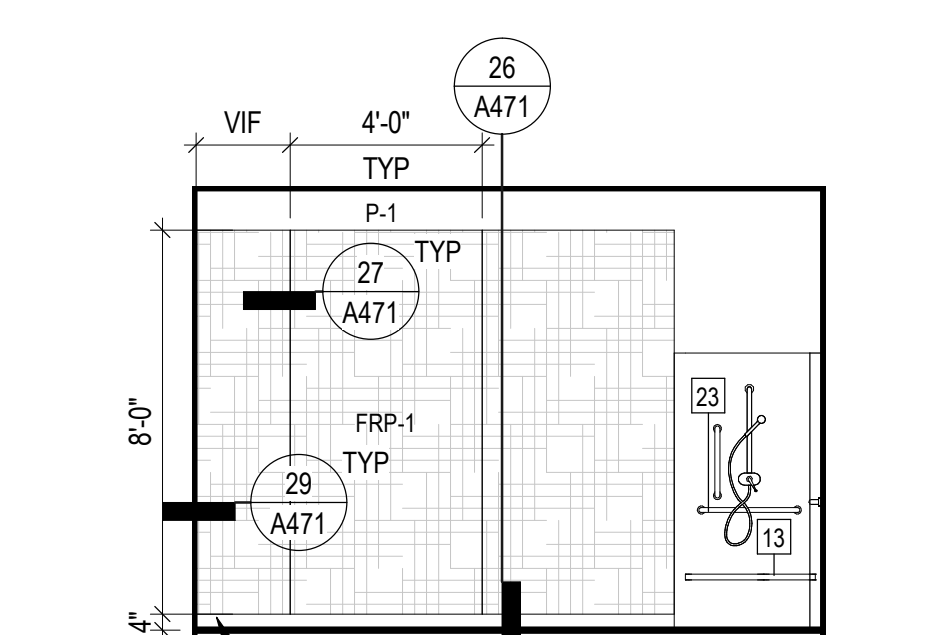
3D TOILET SHOWER ROOM 045 - E
SCALE: 1/4" = 1'-0"



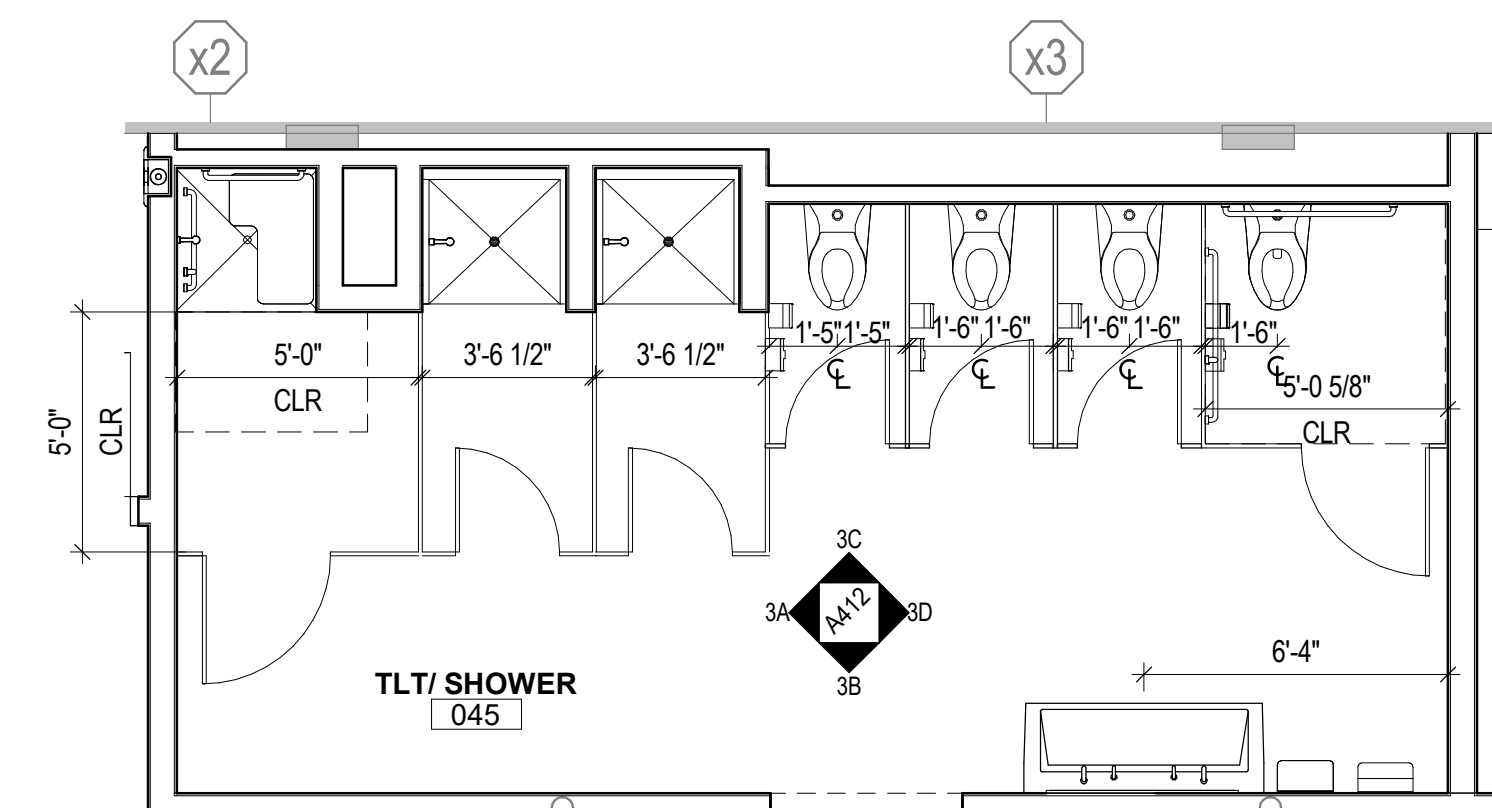
3C TOILET SHOWER ROOM 045 - N
SCALE: 1/4" = 1'-0"



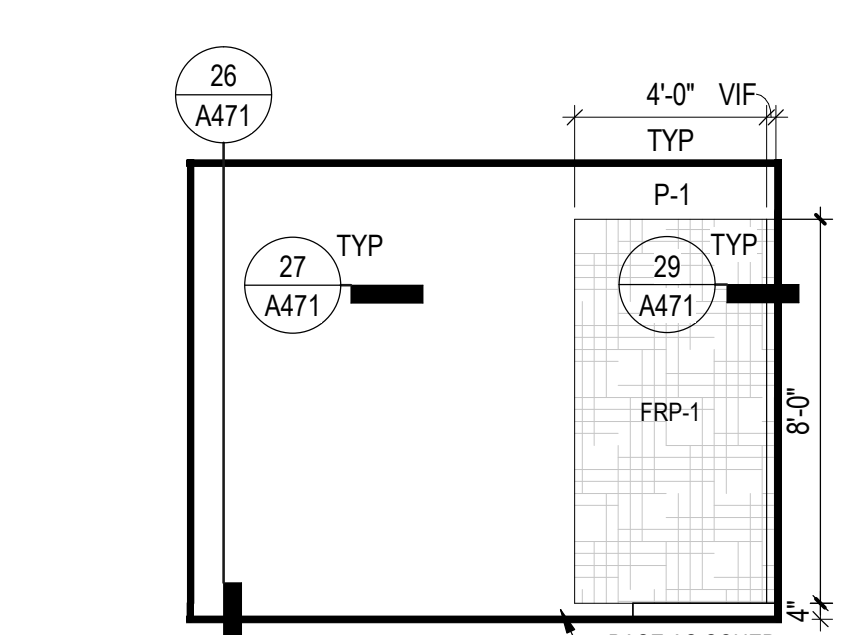
3B TOILET SHOWER ROOM 045 - S
SCALE: 1/4" = 1'-0"



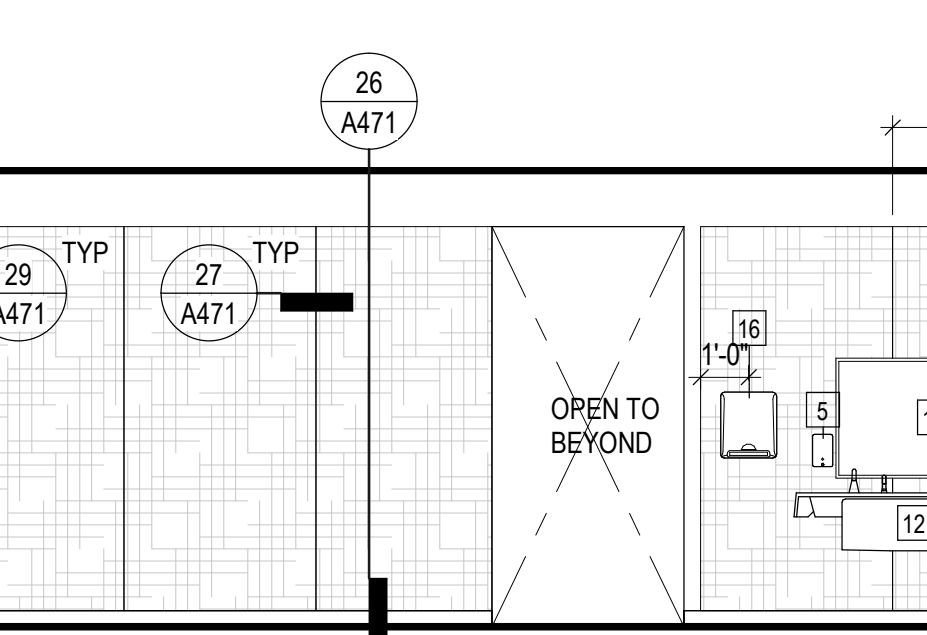
3A TOILET SHOWER ROOM 045 - W
SCALE: 1/4" = 1'-0"



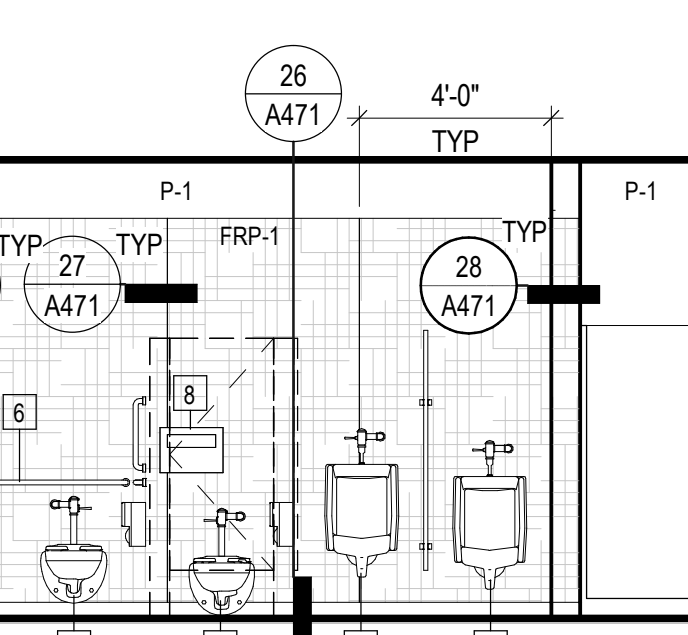
3 TOILET SHOWER ROOM 045
SCALE: 1/4" = 1'-0"



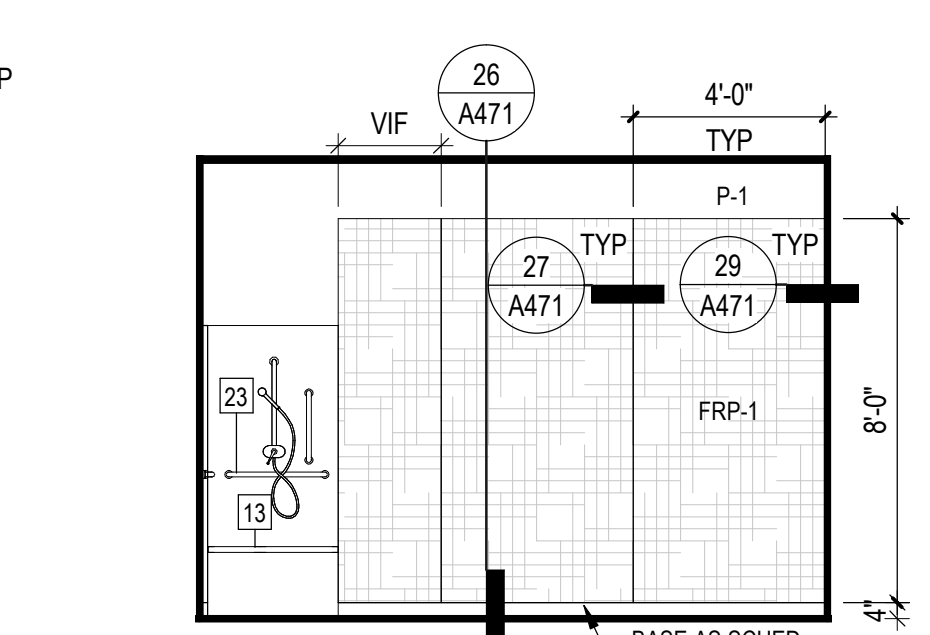
4D TOILET SHOWER ROOM 008 - E
SCALE: 1/4" = 1'-0"



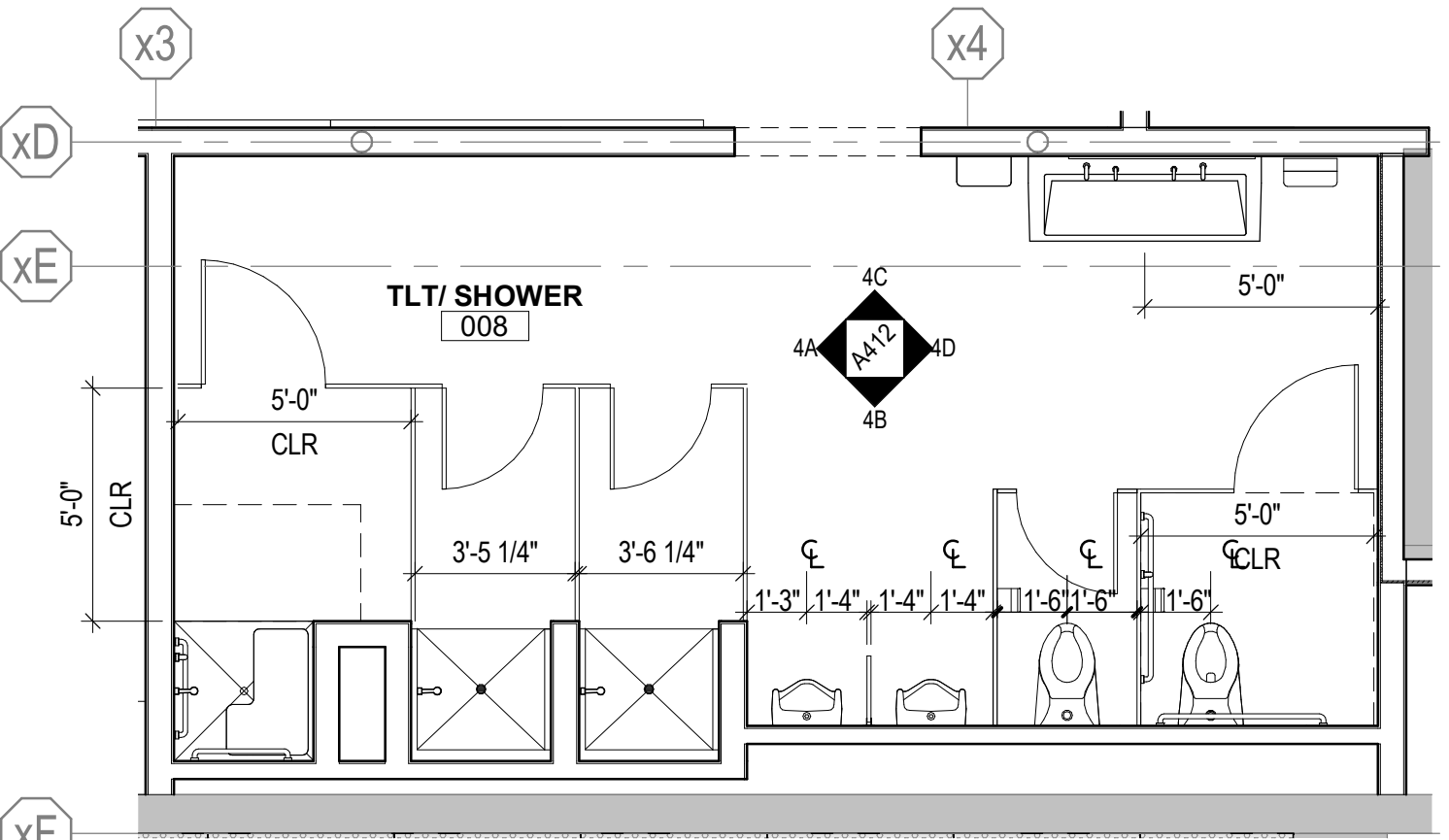
4C TOILET SHOWER ROOM 008 - N
SCALE: 1/4" = 1'-0"



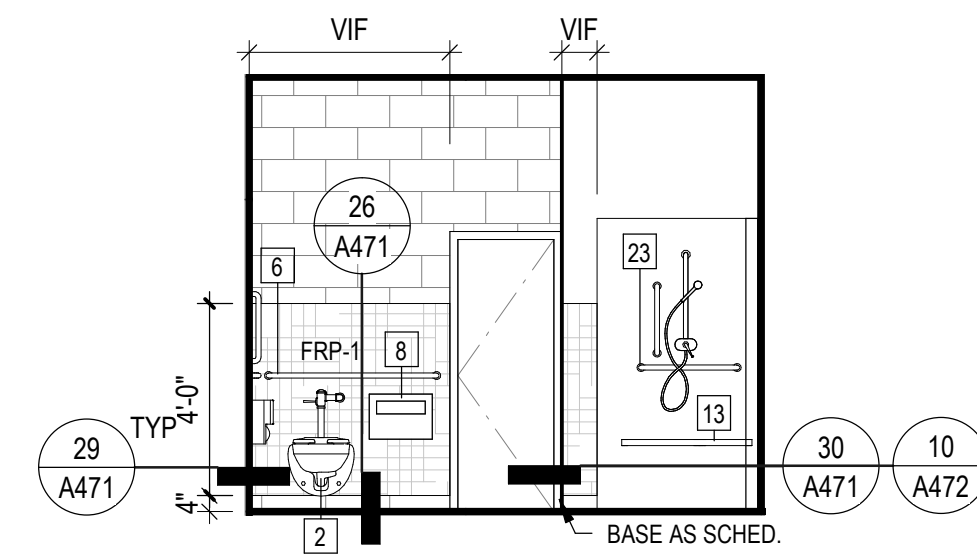
4B TOILET SHOWER ROOM 008 - S
SCALE: 1/4" = 1'-0"



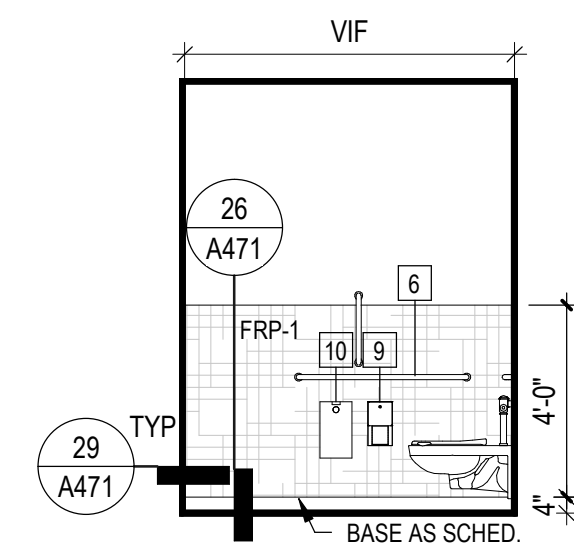
4A TOILET SHOWER ROOM 008 - W
SCALE: 1/4" = 1'-0"



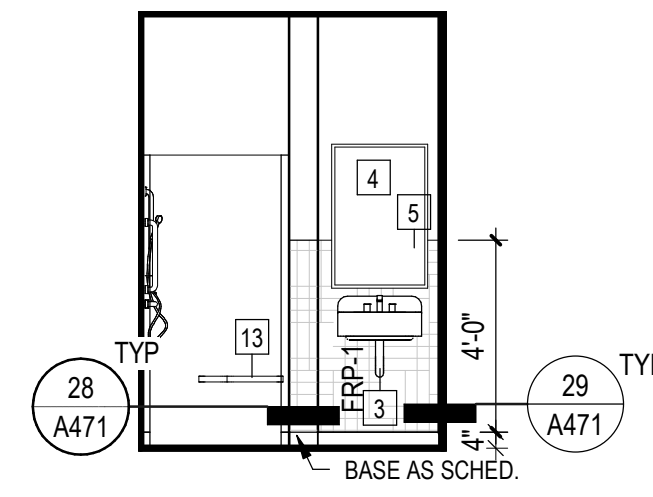
4 TOILET SHOWER ROOM 008
SCALE: 1/4" = 1'-0"



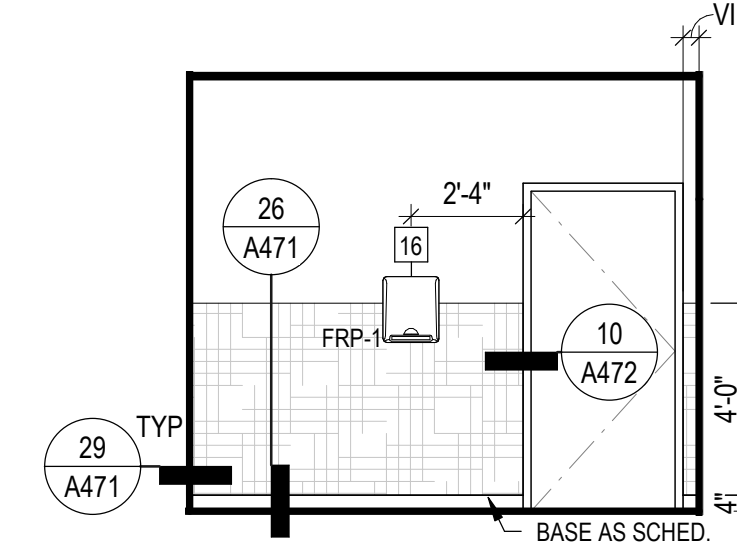
1D TOILET ROOM 006 - E
SCALE: 1/4" = 1'-0"



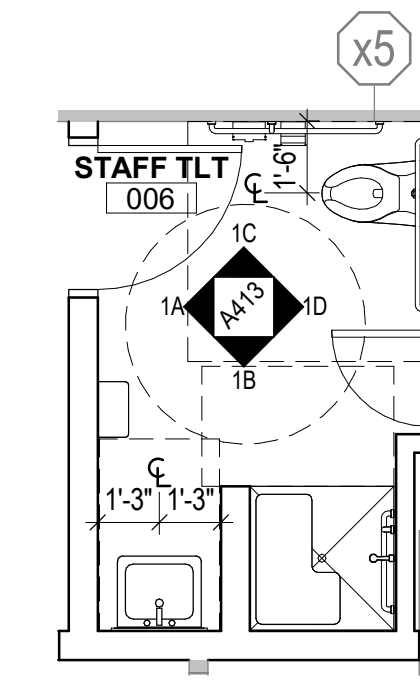
1C TOILET ROOM 006 - N
SCALE: 1/4" = 1'-0"



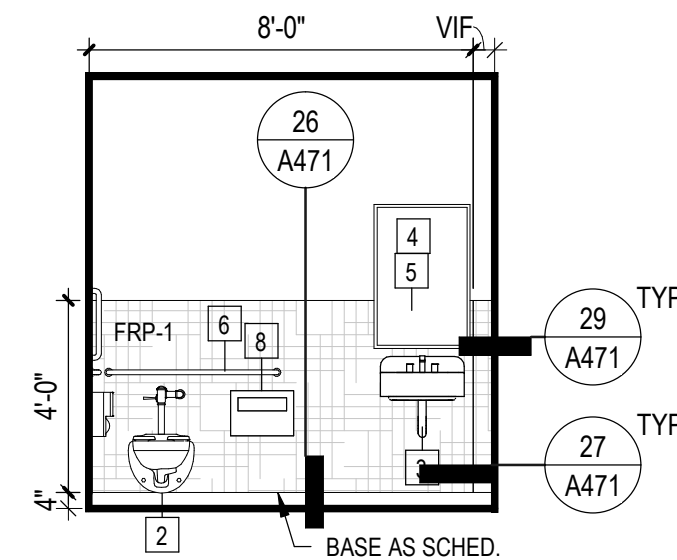
1B TOILET ROOM 006 - S
SCALE: 1/4" = 1'-0"



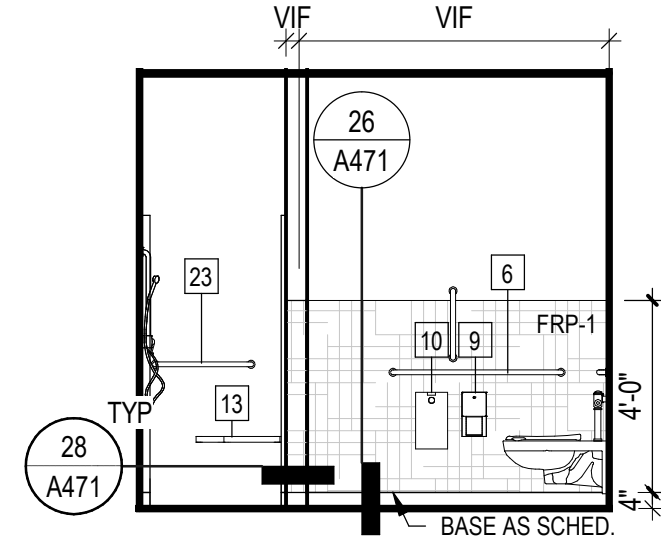
1A TOILET 006 - W
SCALE: 1/4" = 1'-0"



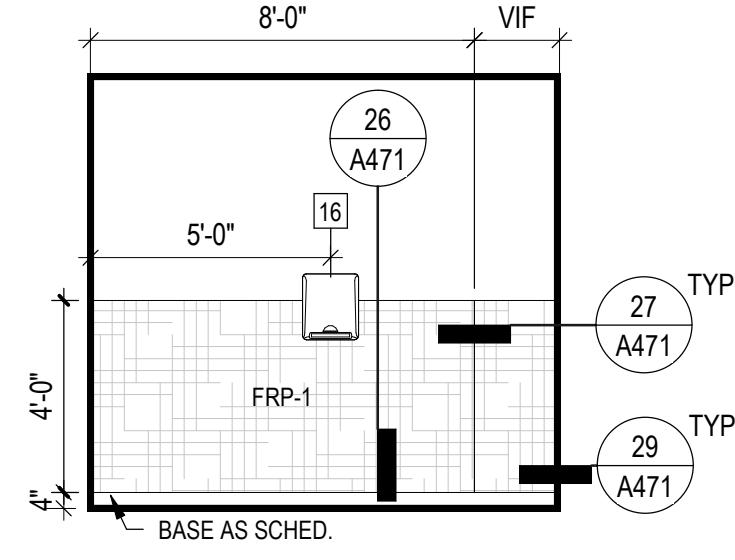
1 TOILET ROOM 006
SCALE: 1/4" = 1'-0"



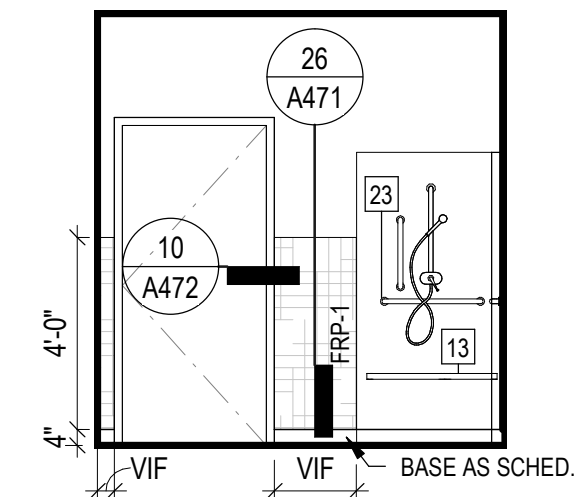
2D TOILET ROOM 041A - E
SCALE: 1/4" = 1'-0"



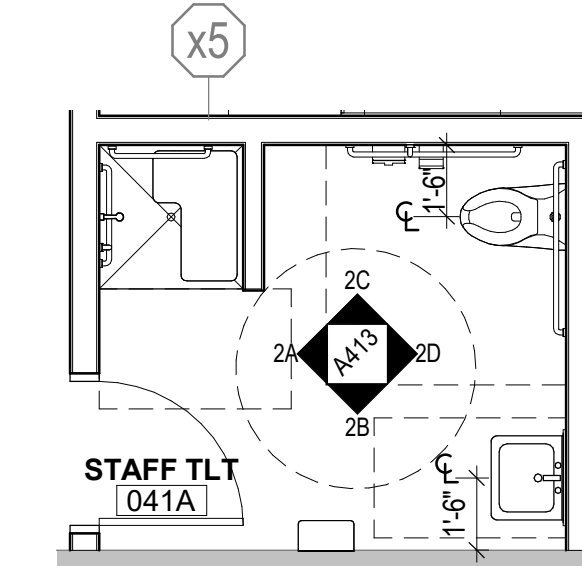
2C TOILET ROOM 041A - N
SCALE: 1/4" = 1'-0"



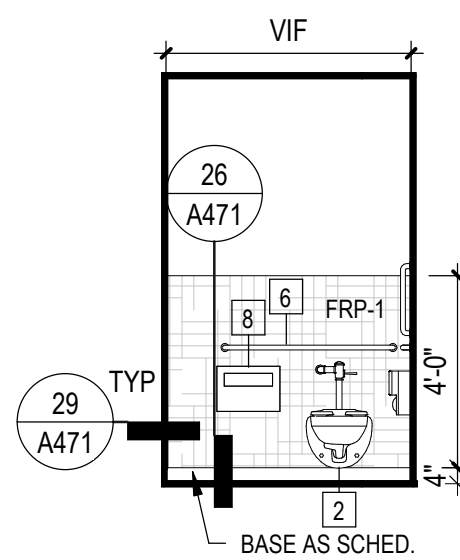
2B TOILET ROOM 041A - S
SCALE: 1/4" = 1'-0"



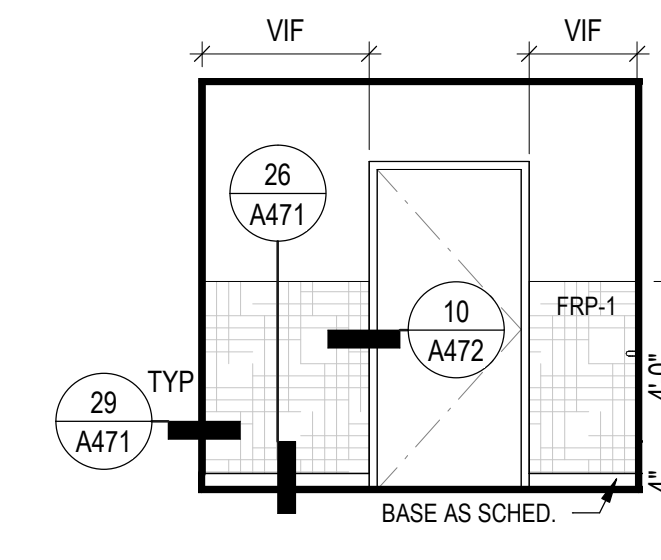
2A TOILET ROOM 041A - W
SCALE: 1/4" = 1'-0"



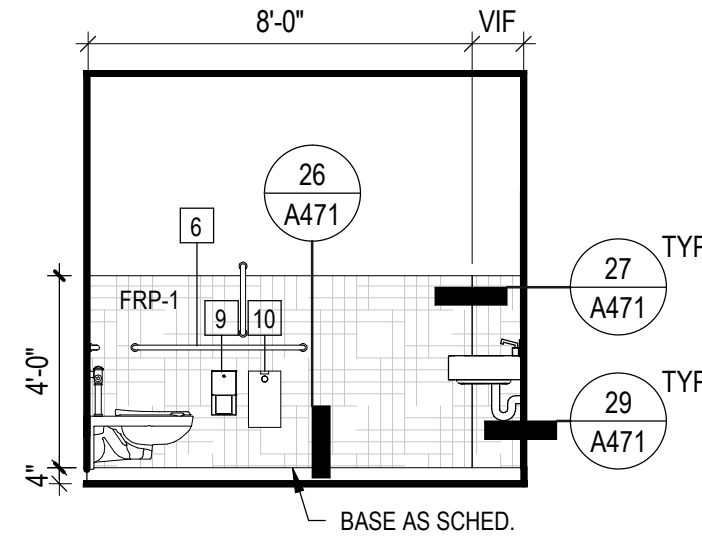
2 TOILET ROOM 041A
SCALE: 1/4" = 1'-0"



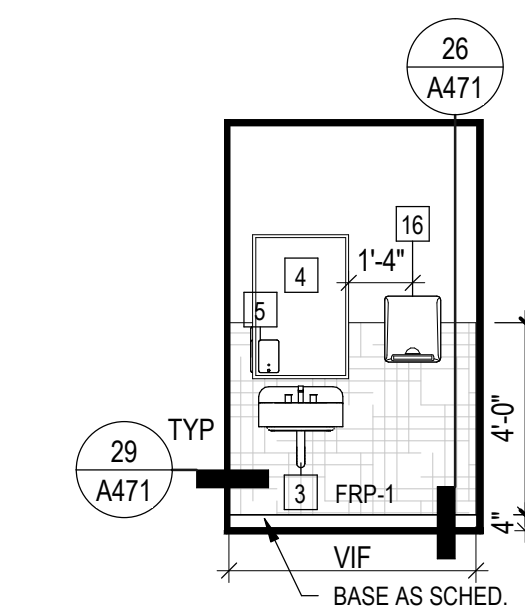
3D TOILET ROOM 014 & 019 OPP - E
SCALE: 1/4" = 1'-0"



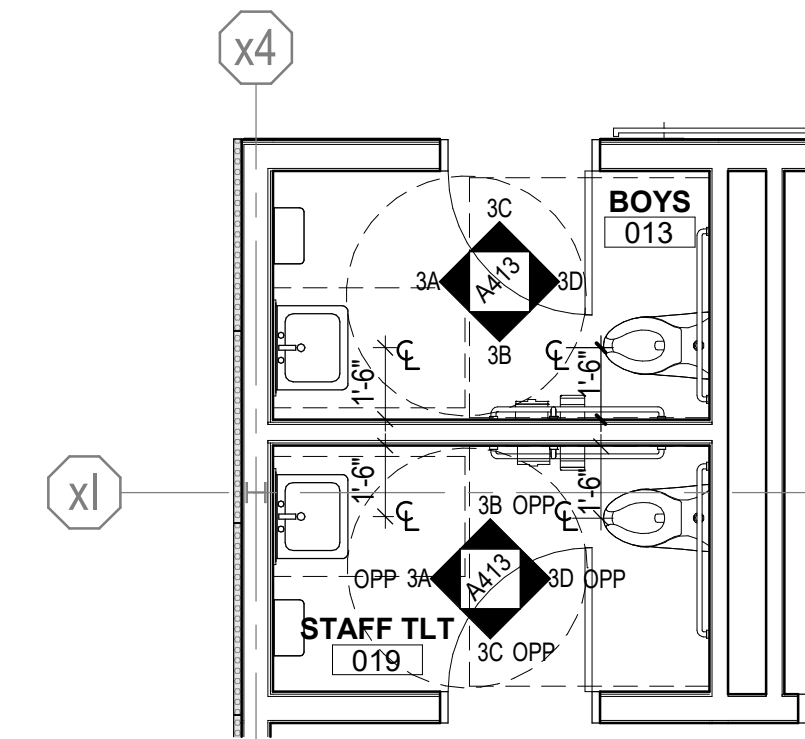
3C TOILET ROOM 014 & 019 OPP - N
SCALE: 1/4" = 1'-0"



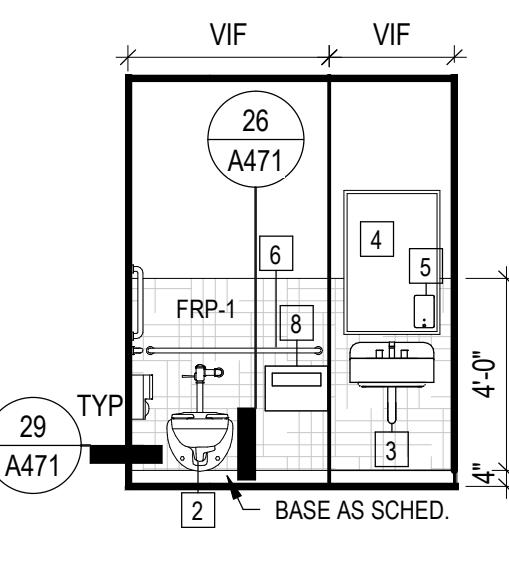
3B TOILET ROOM 014 & 019 OPP - S
SCALE: 1/4" = 1'-0"



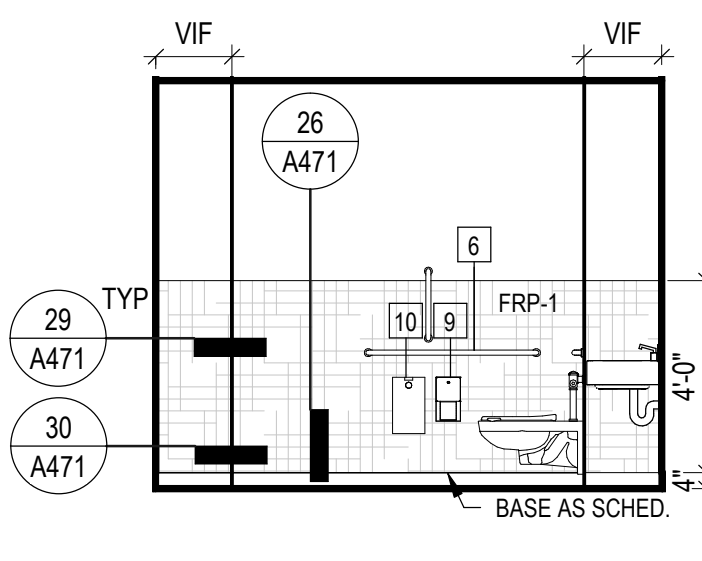
3A TOILET ROOM 013 & 019 OPP - W
SCALE: 1/4" = 1'-0"



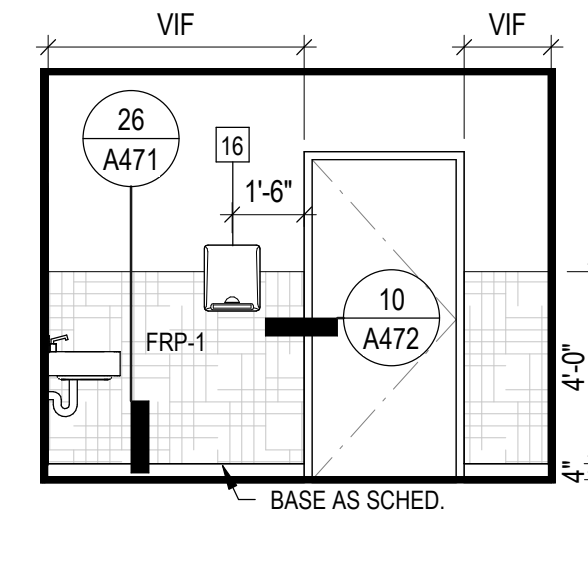
3 TOILET ROOM 013 & 019
SCALE: 1/4" = 1'-0"



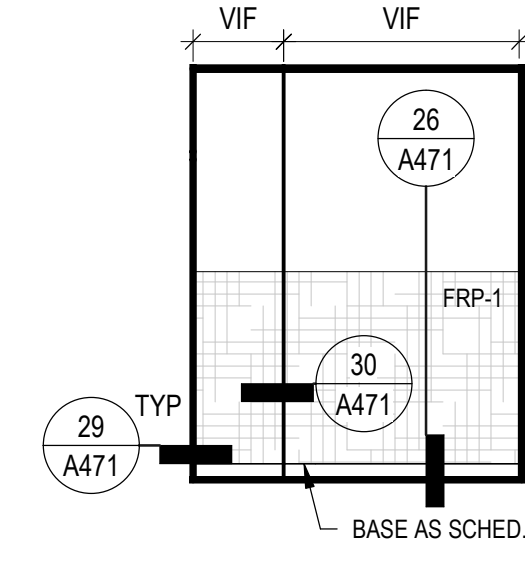
4D TOILET ROOM 015 - E
SCALE: 1/4" = 1'-0"



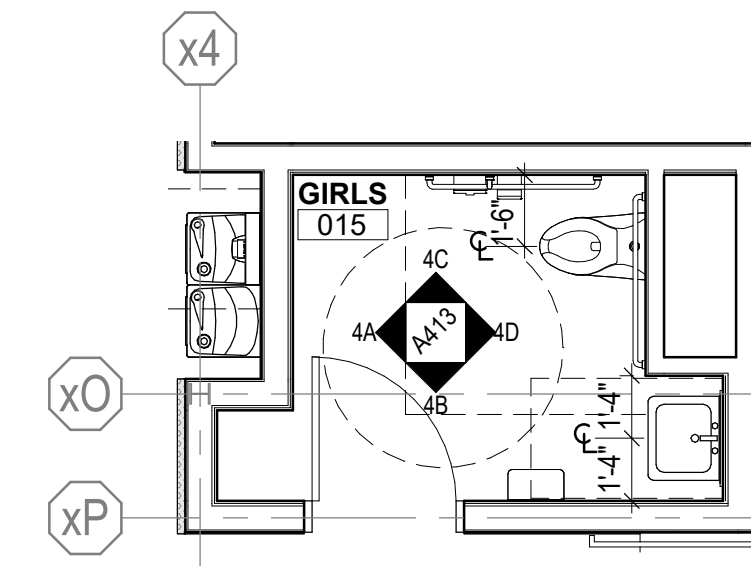
4C TOILET ROOM 015 - N
SCALE: 1/4" = 1'-0"



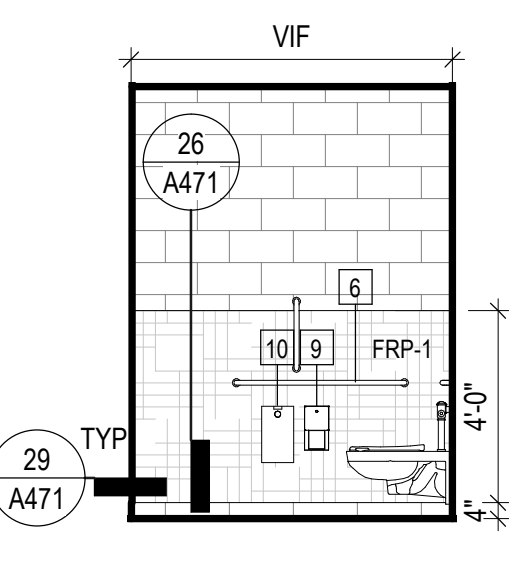
4B TOILET ROOM 015 - S
SCALE: 1/4" = 1'-0"



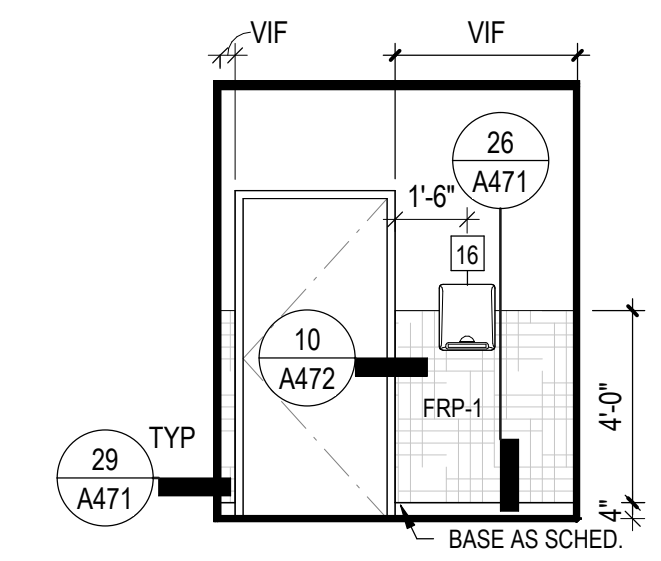
4A TOILET ROOM 015 - W
SCALE: 1/4" = 1'-0"



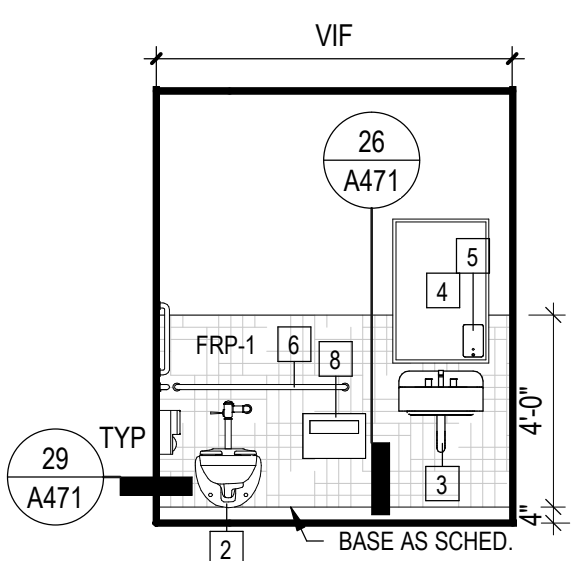
4 TOILET ROOM 015
SCALE: 1/4" = 1'-0"



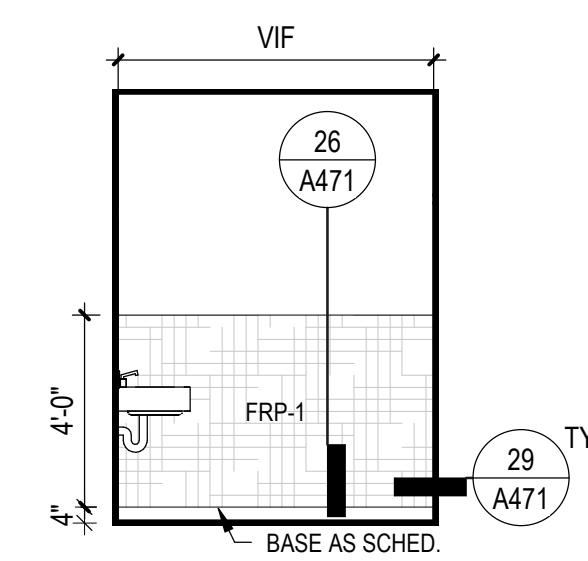
5D TOILET ROOM 063 & 062 OPP - E
SCALE: 1/4" = 1'-0"



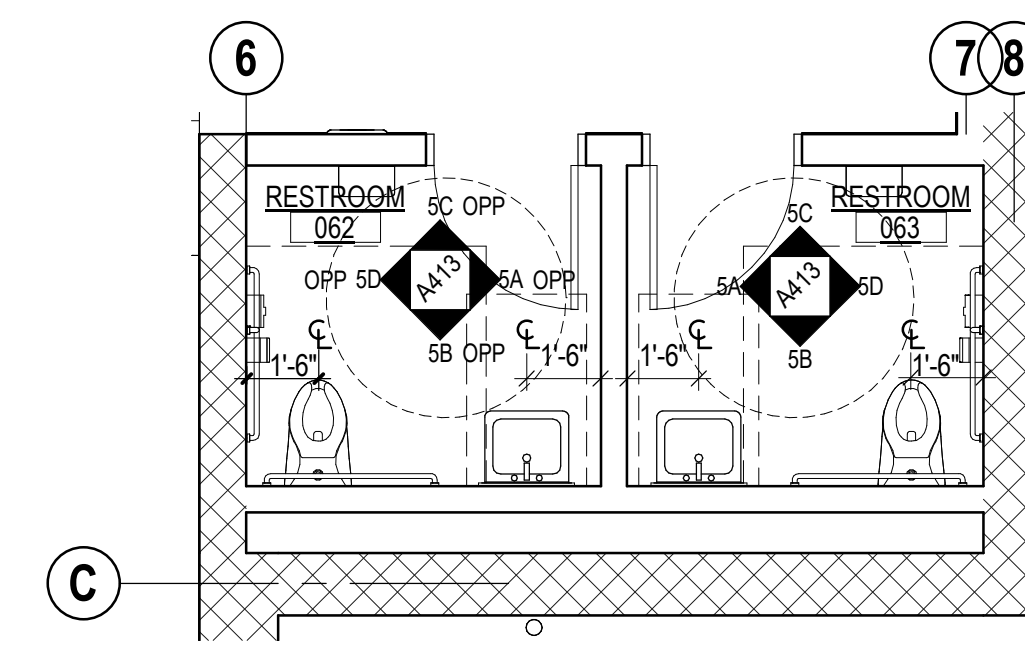
5C TOILET ROOM 063 & 062 OPP - N
SCALE: 1/4" = 1'-0"



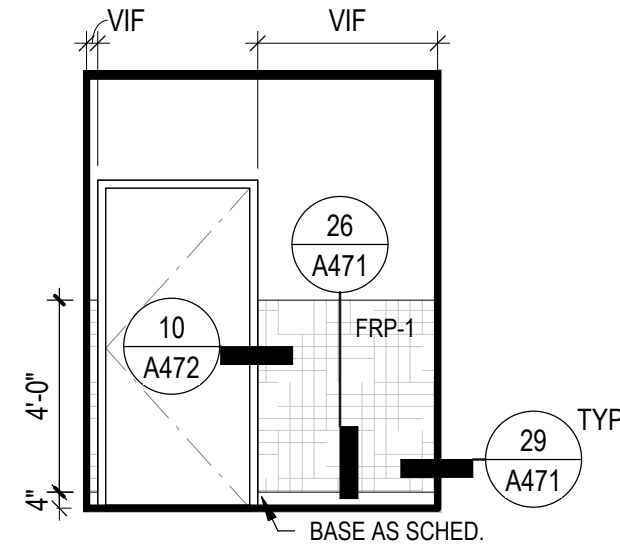
5B TOILET ROOM 063 & 062 OPP - S
SCALE: 1/4" = 1'-0"



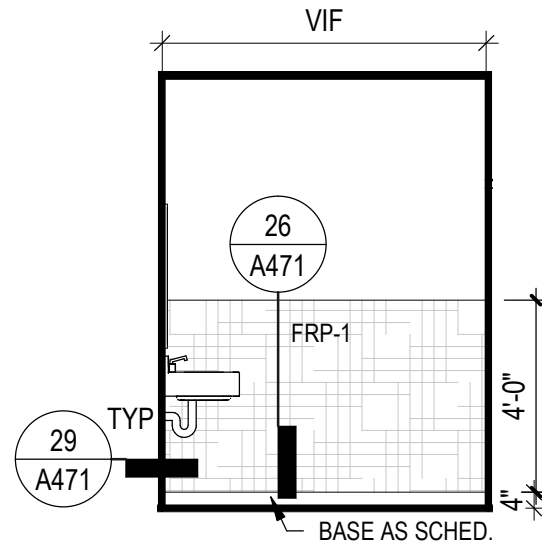
5A TOILET ROOM 063 & 062 OPP - W
SCALE: 1/4" = 1'-0"



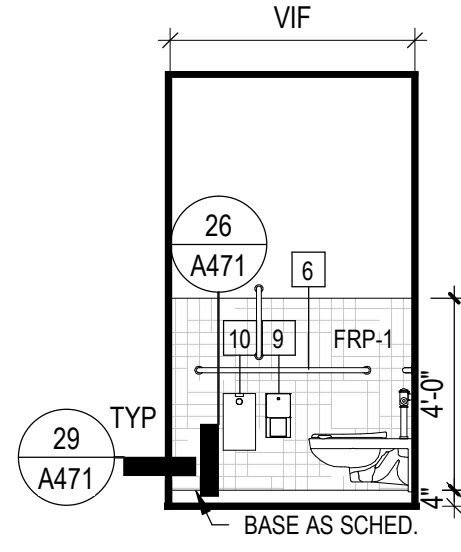
5 TOILET ROOM 062 & 063
SCALE: 1/4" = 1'-0"



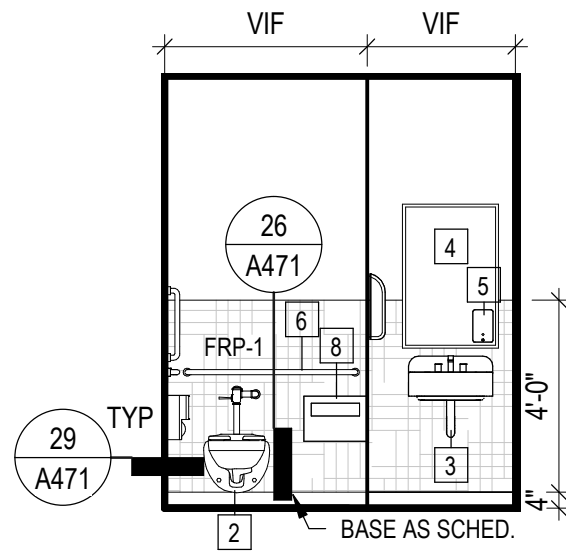
1D TOILET ROOM 133 & 134 OPP - E
SCALE: 1/4" = 1'-0"



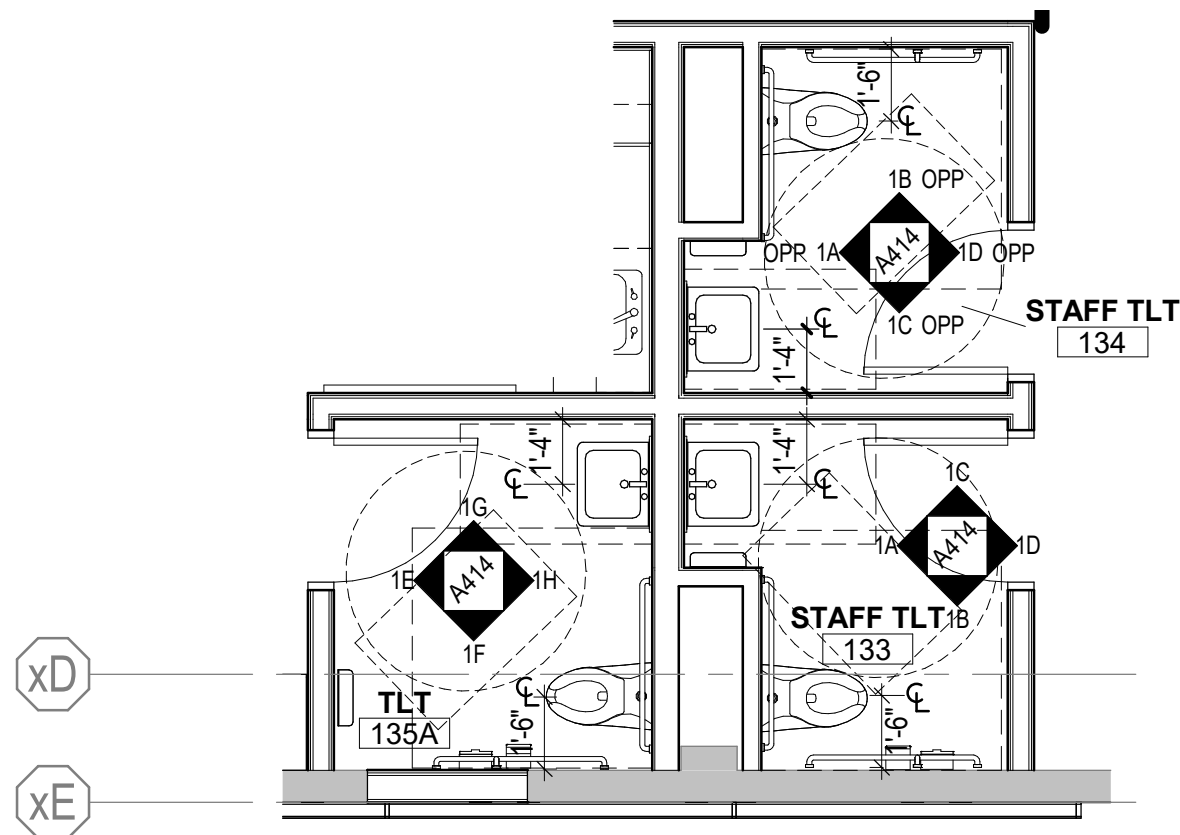
1C TOILET ROOM 133 & 134 OPP - N
SCALE: 1/4" = 1'-0"



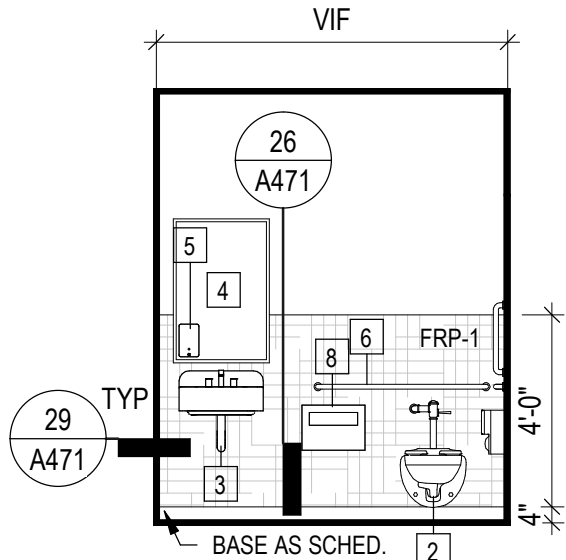
1B TOILET ROOM 133 & 134 OPP - S
SCALE: 1/4" = 1'-0"



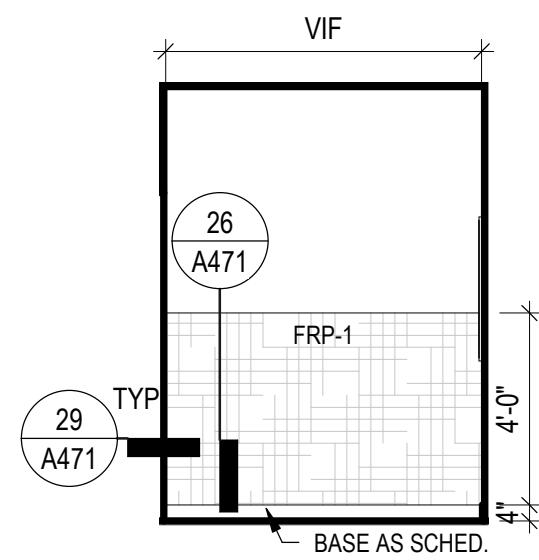
1A TOILET ROOM 133 & 134 OPP - W
SCALE: 1/4" = 1'-0"



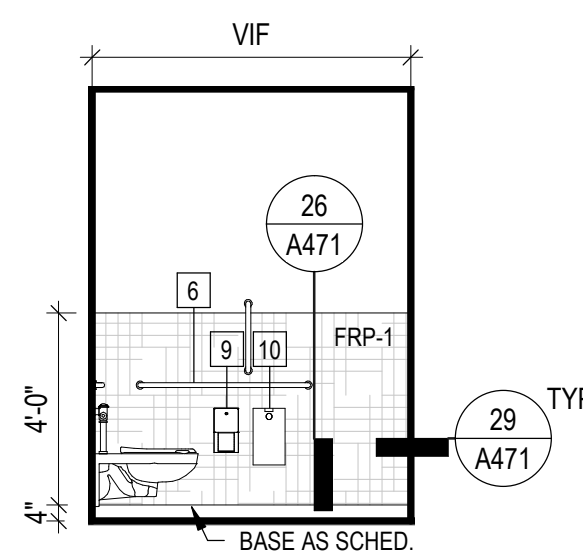
1 TOILET ROOMS 133 & 134 & 135A
SCALE: 1/4" = 1'-0"



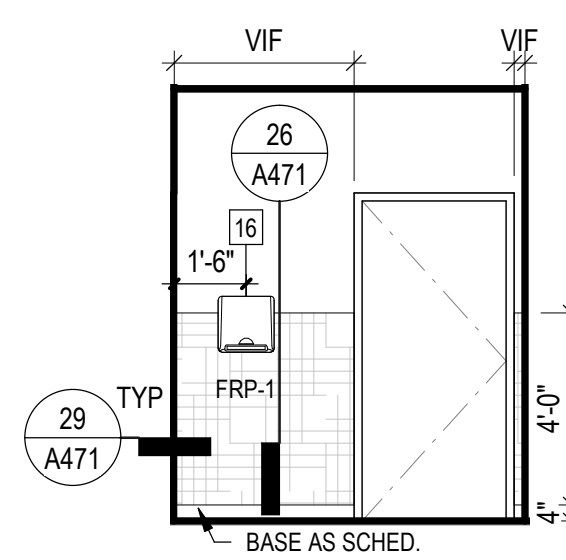
1H TOILET ROOM 135A - E
SCALE: 1/4" = 1'-0"



1G TOILET ROOM 135A - N
SCALE: 1/4" = 1'-0"

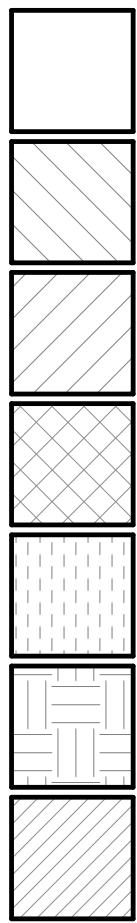


1F TOILET ROOM 135A - S
SCALE: 1/4" = 1'-0"



1E TOILET ROOM 135A - W
SCALE: 1/4" = 1'-0"

PAINT LEGEND



P-1

P-2

P-3

P-4

P-5

P-6

P-7

DEVICE LEGEND



COMBINATION DIGITAL CLOCK AND SPEAKER



SPEAKER



DUPLEX RECEPTACLE



AUDIO VISUAL SYSTEM SELECTOR STATION / INPUT STATION / PROJECTOR AV PLATE



DATA



LIGHT SWITCH



INTERCOM CALL SWITCH



INTERCOM VOLUME CONTROL



SHADE CONTROL

CASEWORK LEGEND

NAAWS (CDS) CASEWORK TYPE SYMBOL:
(STANDARDS BASED ON NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS)

CASEWORK TYPE DESIGNATION
WIDTH DESIGNATION IN INCHES
HEIGHT DESIGNATION IN INCHES
DEPTH DESIGNATION IN INCHES

CASEWORK TYPE MODIFIERS ARE INDICATED IN THE NUMBER AND A DESCRIPTION. SEE BELOW.

MODIFIED CASEWORK TYPE DESIGNATION

MODIFIED CASEWORK DESCRIPTION

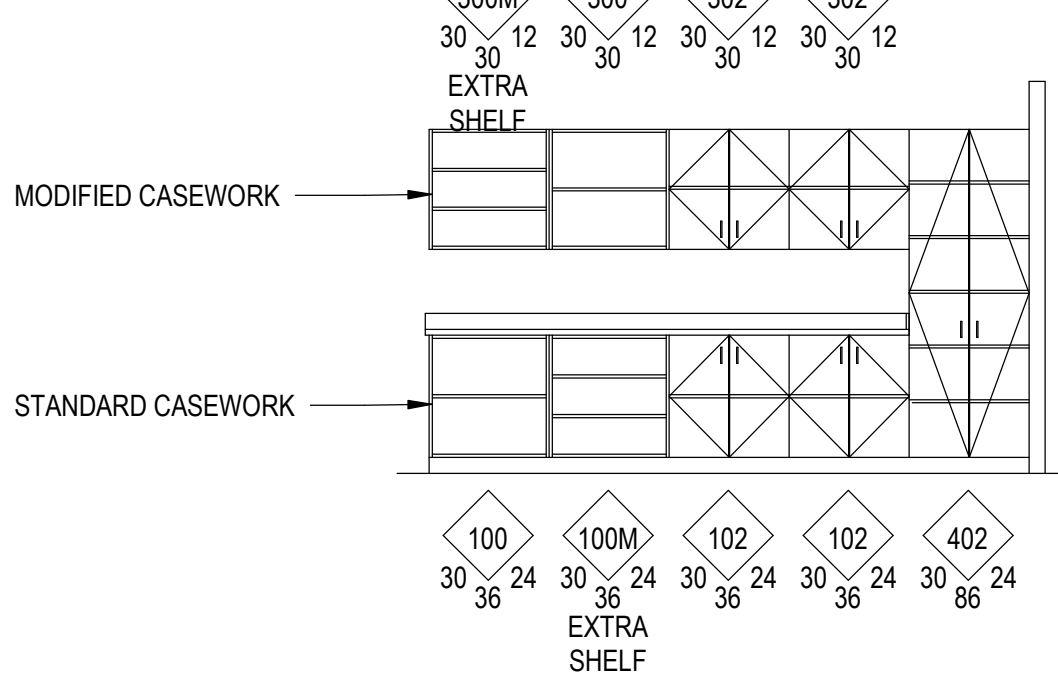
CUSTOM CASEWORK IS INDICATED IN THE TYPE NUMBER FIELD AND ACCOMPANIED WITH DETAILS SHOWN ON ELEVATIONS; SEE BELOW.

CUSTOM CASEWORK TYPE DESIGNATION

THE CDS IS SUBDIVIDED AS FOLLOWS:

BASE CABINETS W/O DRAWERS 100 SERIES
BASE CABINETS W/ DRAWERS 200 SERIES
WALL-HUNG CABINETS 300 SERIES
TALL STORAGE CABINETS 400 SERIES
TALL WARDROBE CABINETS 500 SERIES
LIBRARY CABINETS 600 SERIES
MOVABLE CABINETS 700 SERIES

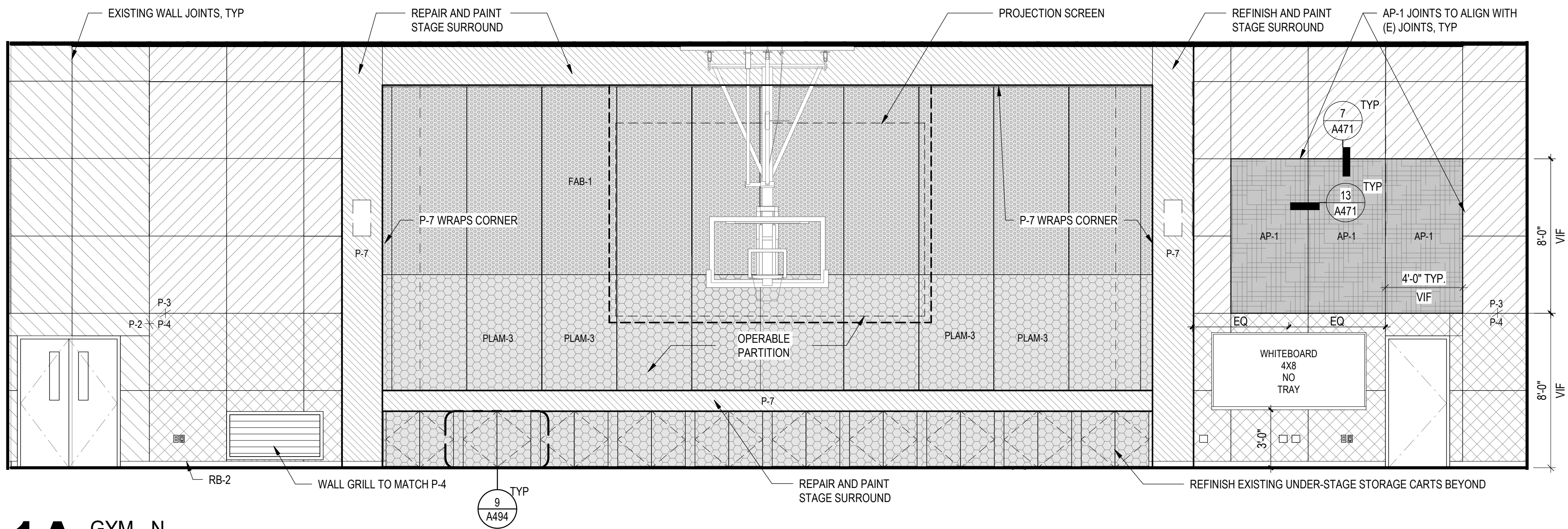
EXAMPLE:



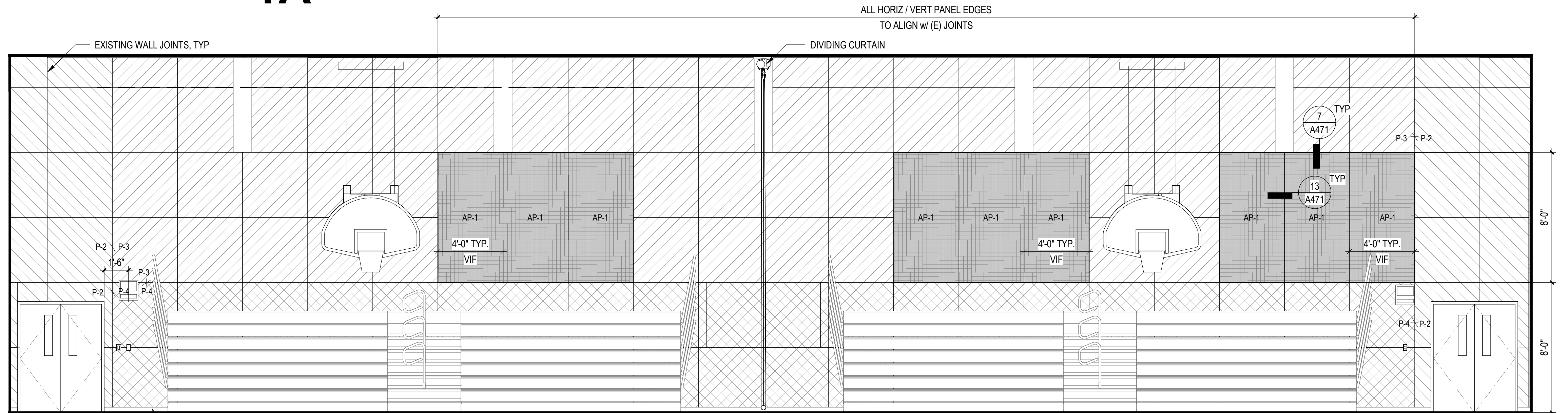
- GENERAL NOTES: (REFER TO NAAWS APPENDIX A FOR TYPE DESCRIPTIONS)
- CASEWORK FINISHES SHALL BE UNO:
A. VERTICALS (UPPER & LOWER): PLAM-1, UNO
B. COUNTERS/BACKSPLASH/SIDESPLASH: PLAM-2, UNO
C. COUNTERS/BACKSPLASH/SIDESPLASH (AT SCIENCE): PLAM-7, UNO
100 OR 200 SERIES CABINETS MAY BE CONVERTED INTO MOVEABLE CABINETS BY PREFIXING A77 TO THE NUMBER. (EXAMPLE: 7-102-36"x30"x18" [7-102-914 mm x 762 mm x 457 mm])
 - MOVEABLE CABINETS SHALL BE EQUIPPED WITH ADEQUATE APPROVED CASTERS FOR THE INTENDED LOAD CAPACITY.
 - CDS #s 728, 729, 735, 736, 737, 738, AND 739 REQUIRE METAL ANGLE REINFORCED CORNERS.
 - CARTS AND ROLLING TALL STORAGE CABINETS WITH DOORS, LACKING ANY HORIZONTAL, AND/OR VERTICAL STABILIZING DIVIDERS, REQUIRE A DIAPHRAGM BOTTOM. SPECIFICALLY CDS #s 702, 712, 716, 722, 743, 744, 746, 747, 750, AND 751.
 - WARDROBE CABINETS (500 SERIES) WITH DOORS REQUIRE A FRAMED MIRROR ON ONE DOOR, AND CABINETS # 533 AND 534 REQUIRE A PAPER ROLLER/CUTTER AND SLIDE-OUT TILTING PAPER SHELVES.
 - CART STORAGE CABINETS ARE REQUIRED TO HAVE HARDWOOD SIDE GUIDES, SPECIFICALLY CDS #s 160, 161, AND 162.
 - CERAMICS DRYING CABINETS ARE REQUIRED TO HAVE GALVANIZED METAL FRAME SHELVES WITH WIRE MESH, SPECIFICALLY CDS #s 198, 199, AND 459.
 - FILE DRAWERS REQUIRE FULL-EXTENSION SLIDES AND A FILE-HANGING SYSTEM, SPECIFICALLY CDS #s 223, 224, 230, 231, 240, 242, 253, 255, 531, 532, AND 533.
 - WARDROBE CABINETS ARE REQUIRED TO HAVE A SHELF, POLE, AND FRAMED MIRROR WHEN CLOSED WITH HINGED DOORS, SPECIFICALLY, CDS #s 501, 511, 512, 522, 530, 531, 532, AND 552.

INTERIOR ELEVATION GENERAL NOTES

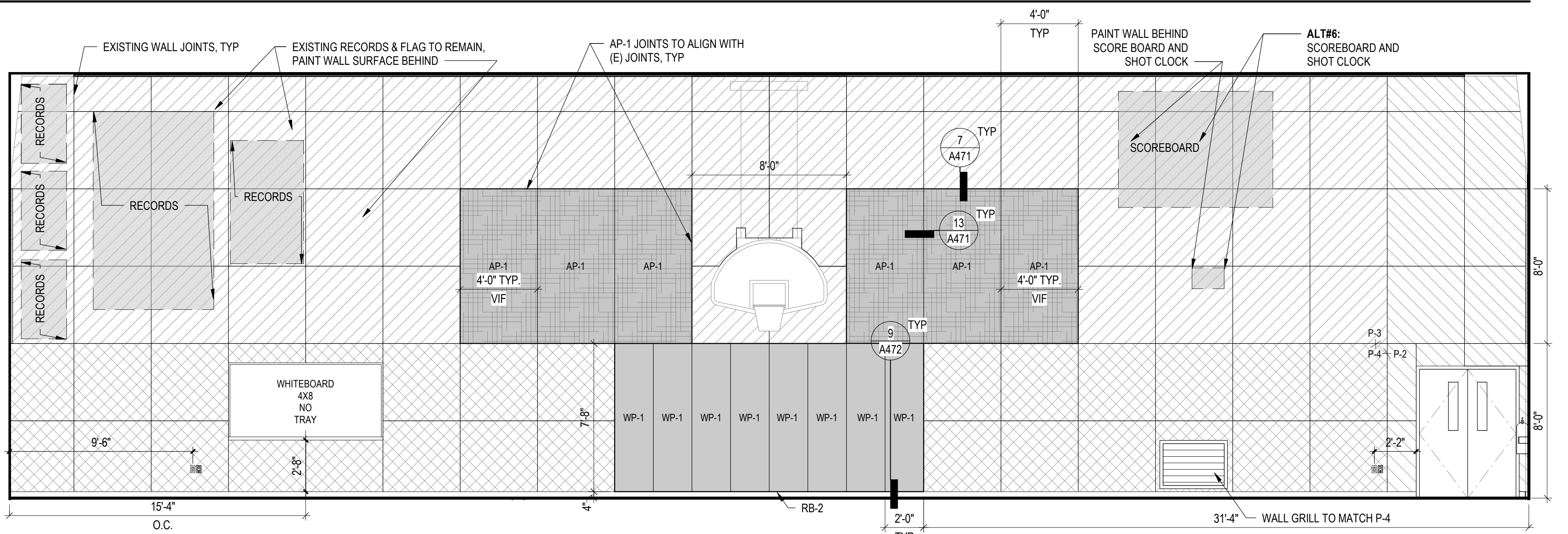
- FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
- ALL GNB, SCHWB, VENEER PLASTER AND (E) POP TO BE PAINTED P-1, UNO.
- ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
- FOR CEILING HEIGHT INFORMATION REFER TO REFLECTED CEILING PLANS.
- ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT.
- ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
- VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
- ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE APPLIED UP TO 8'-0".
- ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
- REFER TO A411 FOR TYPICAL MOUNTING HEIGHTS LEGEND.
- FOR ALL WALL MOUNTED ITEMS NOT SHOWN ON INTERIOR ELEVATIONS, COORDINATE WITH ARCHITECTS PRIOR TO INSTALLATION.
- REFER TO FLOOR PLANS FOR EXACT WINDOW LOCATION AND WALL DIMENSIONS.
- INSTALL WALL BASE ON ALL WALLS, EXCLUDING BRICK UNO.
- DEVICES, EQUIPMENT & FIXTURES SHOWN FOR LOCATION COORDINATION REFER TO MECHANICAL, ELECTRICAL & TELECOM DRAWINGS FOR SYSTEM DESIGN & DETAIL.
- REFER TO A632 FOR SILL FINISHING.
- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



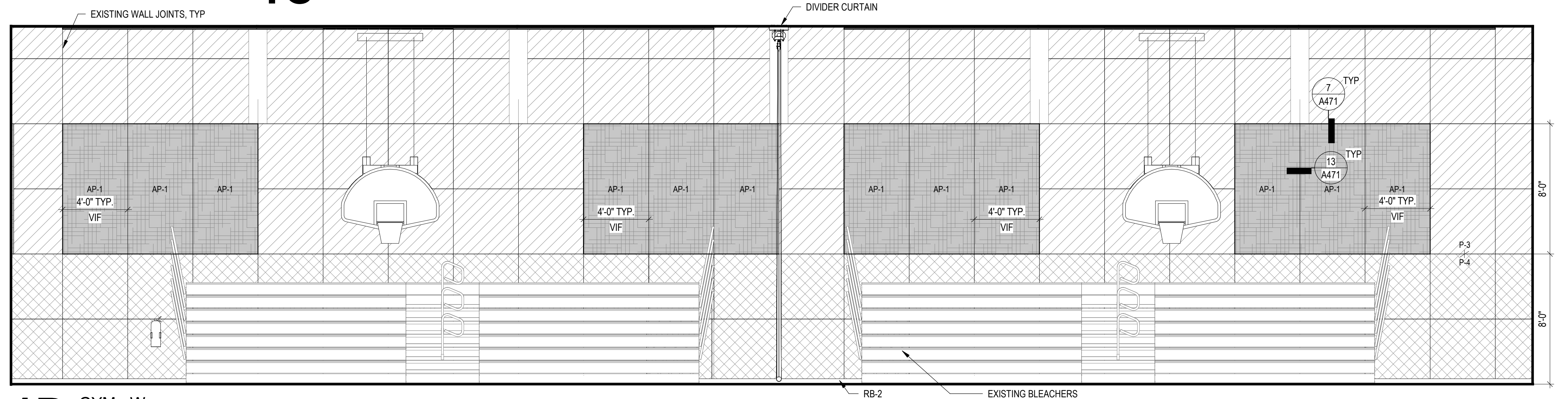
1A GYM - N
SCALE: 1/4" = 1'-0"



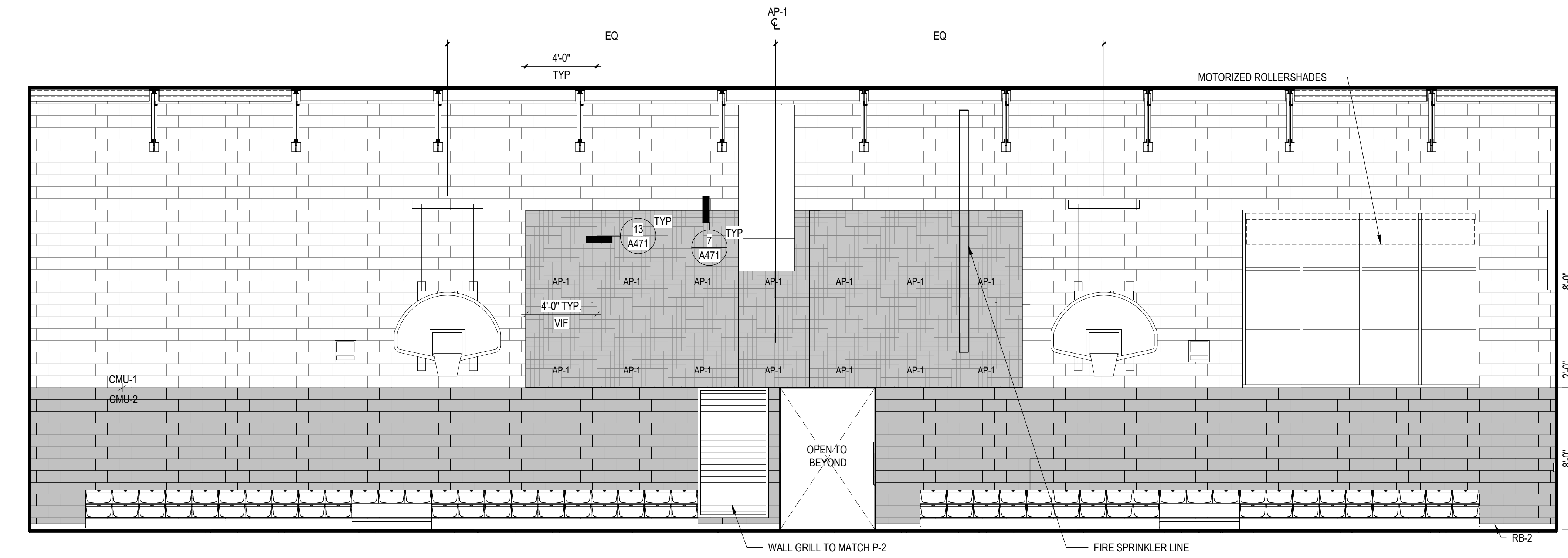
1B GYM - E
SCALE: 1/4" = 1'-0"



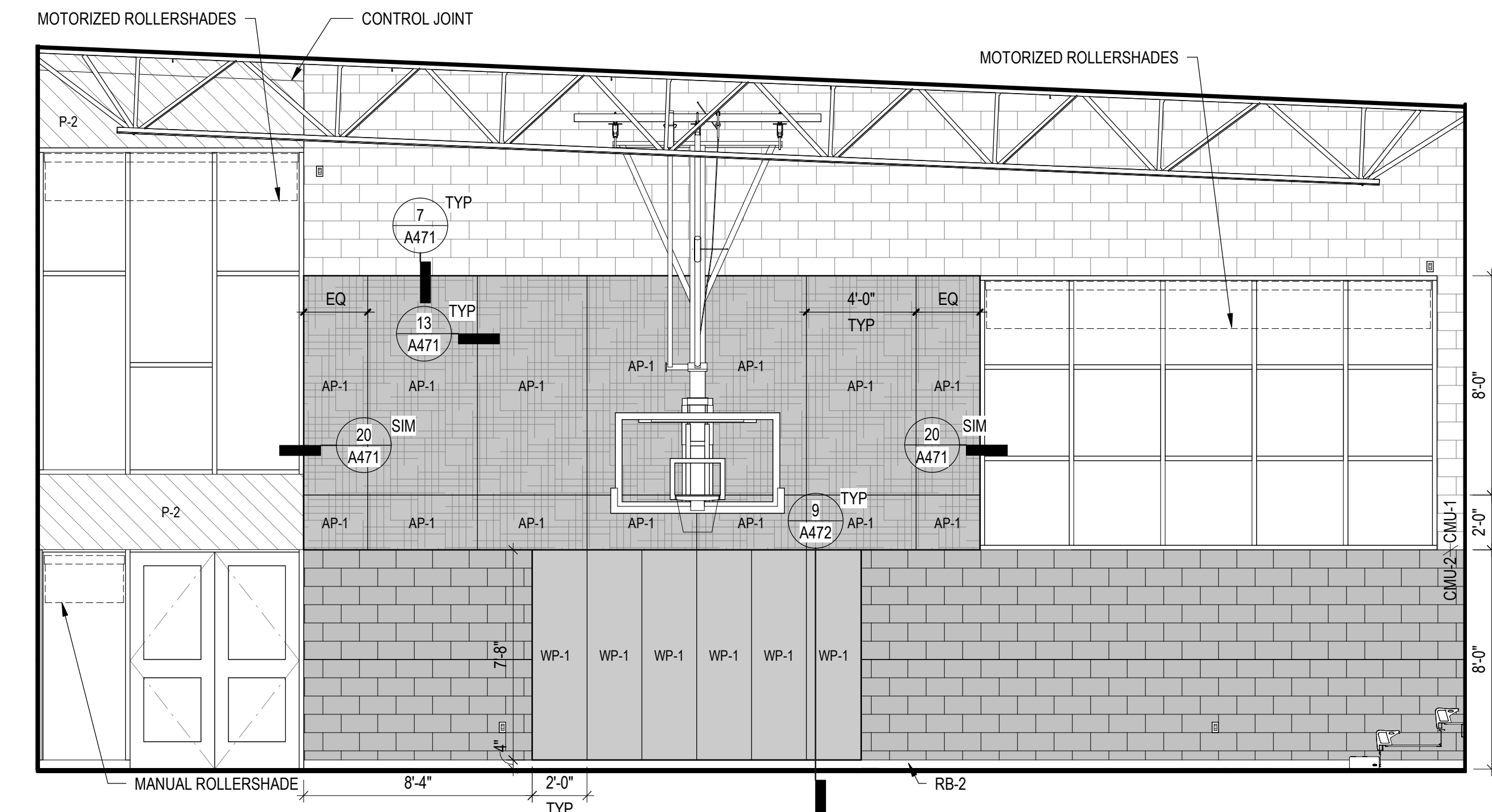
1C GYM - S
SCALE: 1/4" = 1'-0"



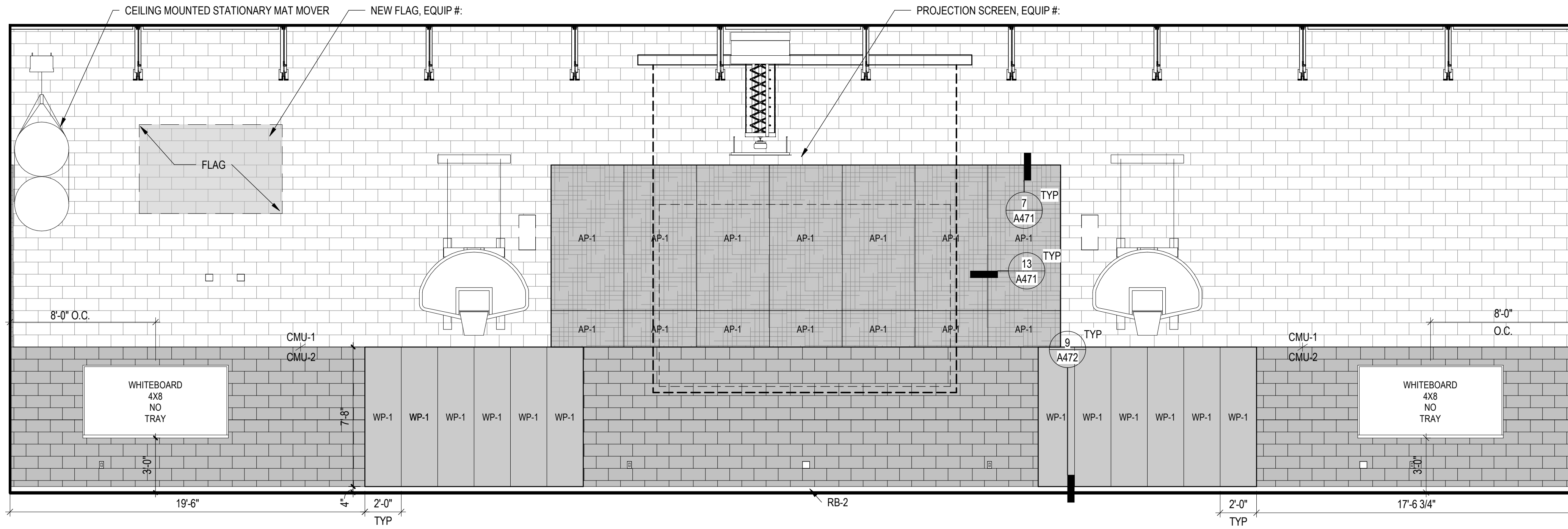
1D GYM - W
SCALE: 1/4" = 1'-0"



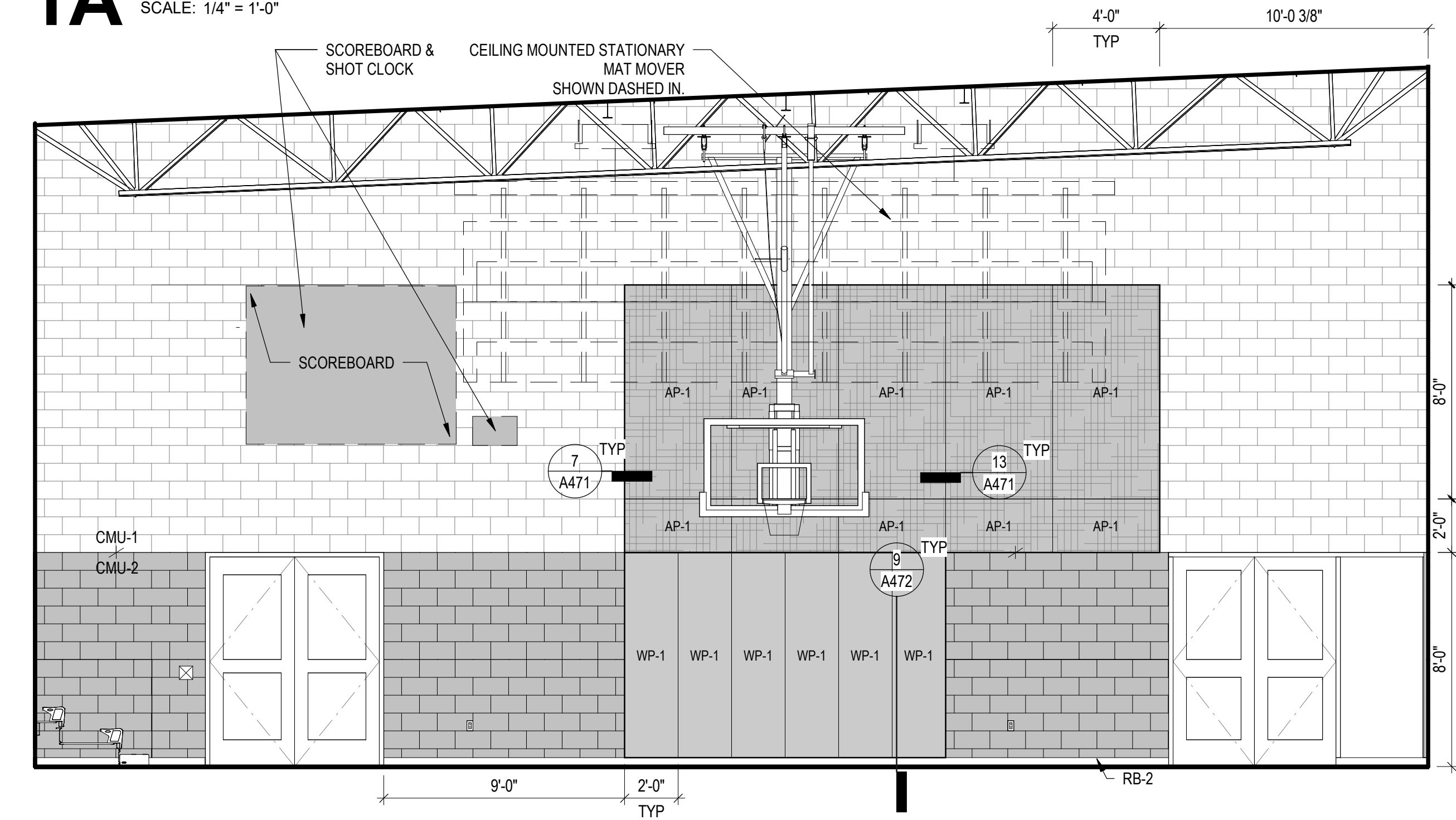
1B AUX GYM - E
SCALE: 1/4" = 1'-0"



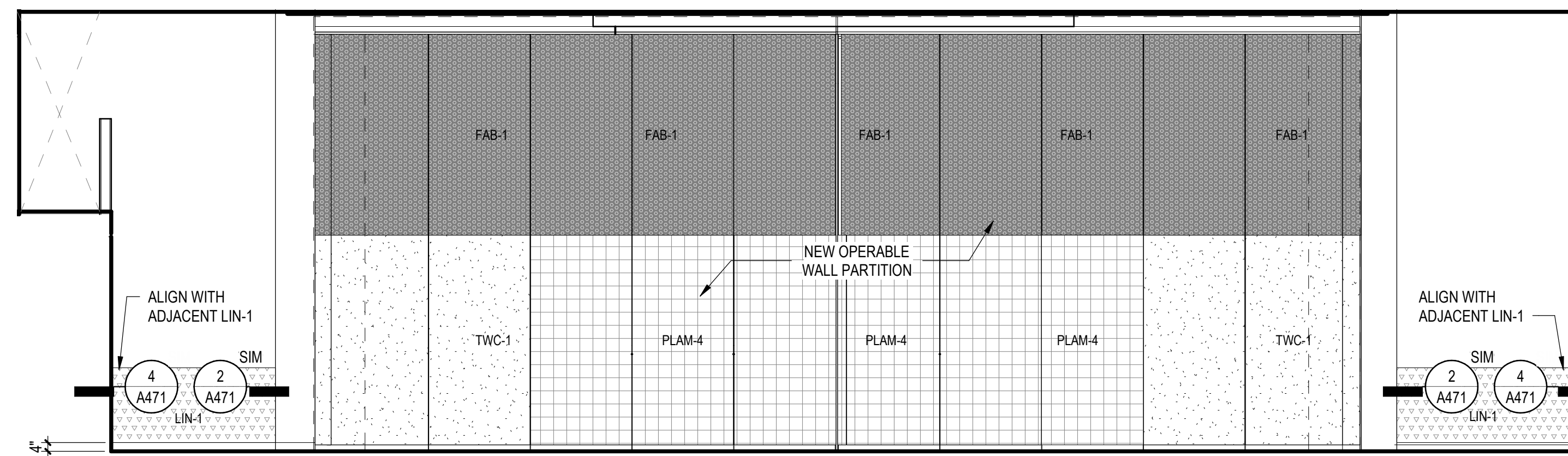
1A AUX GYM - N
SCALE: 1/4" = 1'-0"



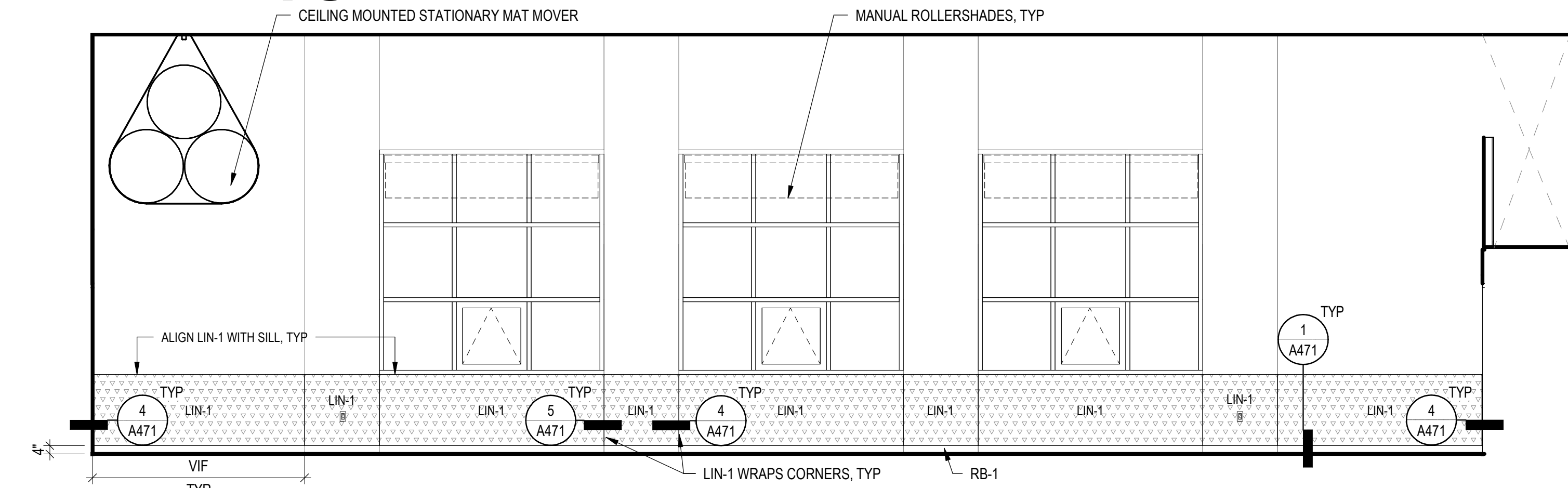
1D AUX GYM - W
SCALE: 1/4" = 1'-0"



1C AUX GYM - S
SCALE: 1/4" = 1'-0"



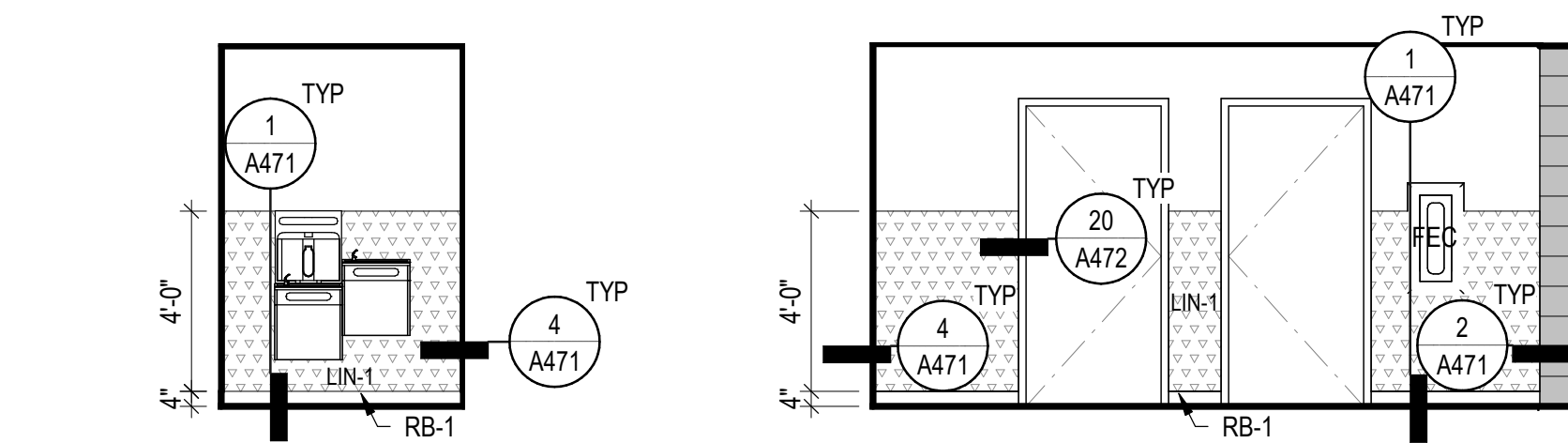
2B STAGE - S
SCALE: 1/4" = 1'-0"



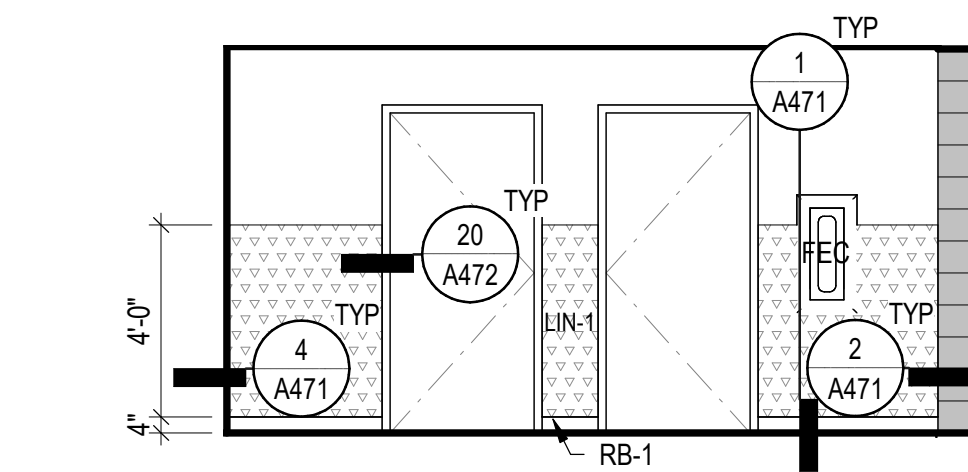
2A STAGE - N
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

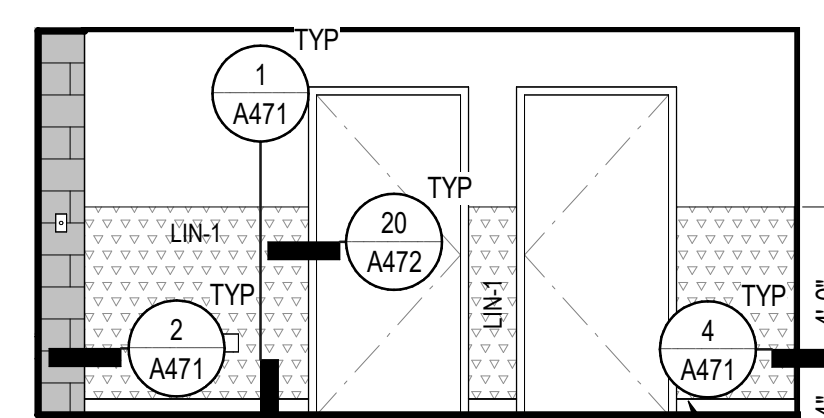
- FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
- ALL GWB, SGWB, VENEER PLASTER AND (E) POP TO BE PAINTED P-1, UNO.
- ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
- FOR CEILING HEIGHT INFORMATION REFER TO REFLECTED CEILING PLANS.
- ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT.
- ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
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- REFER TO A411 FOR TYPICAL MOUNTING HEIGHTS LEGEND.
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- REFER TO A452 FOR SILL FINISHING.
- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



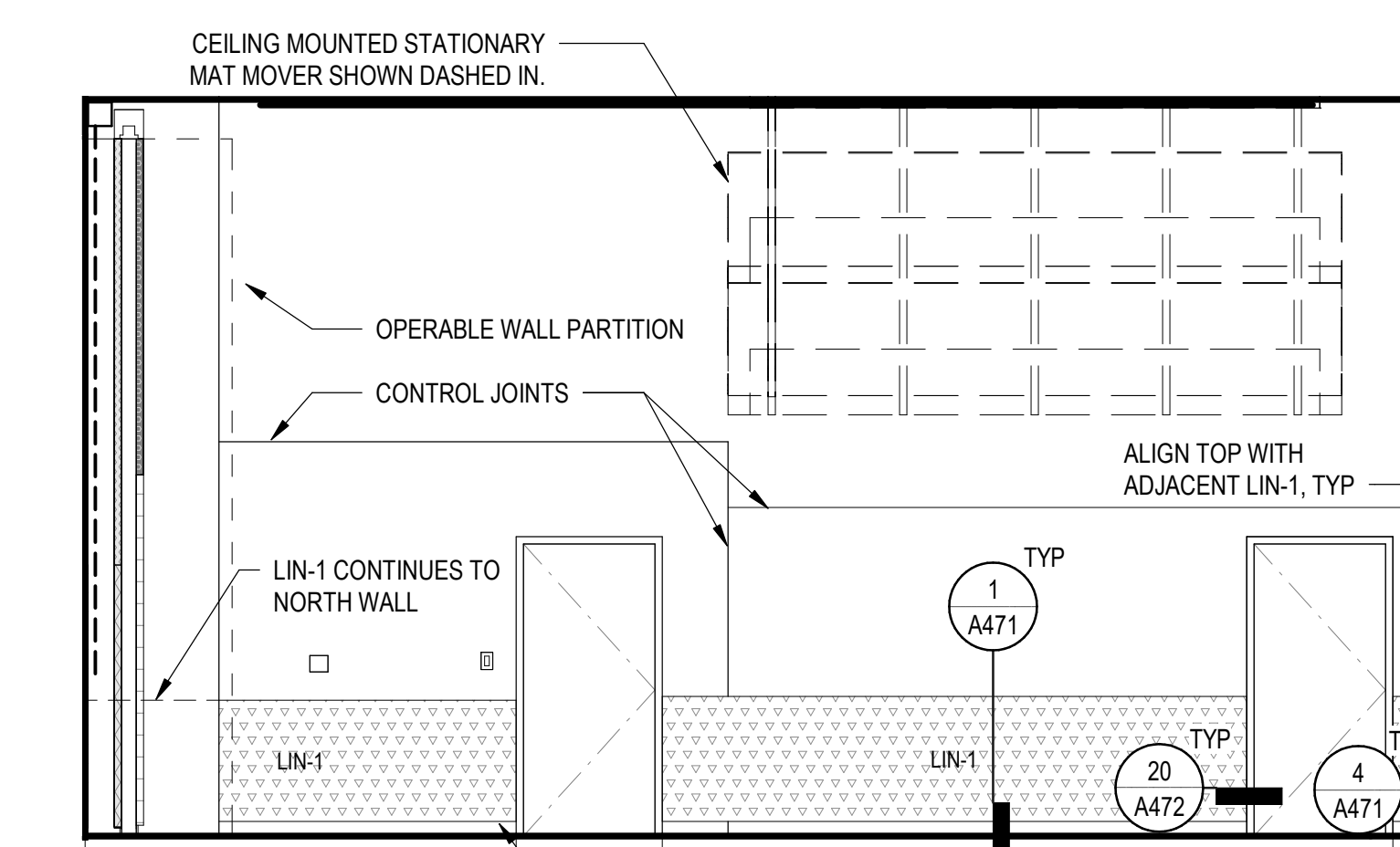
3B CORRIDOR 066 - E
SCALE: 1/4" = 1'-0"



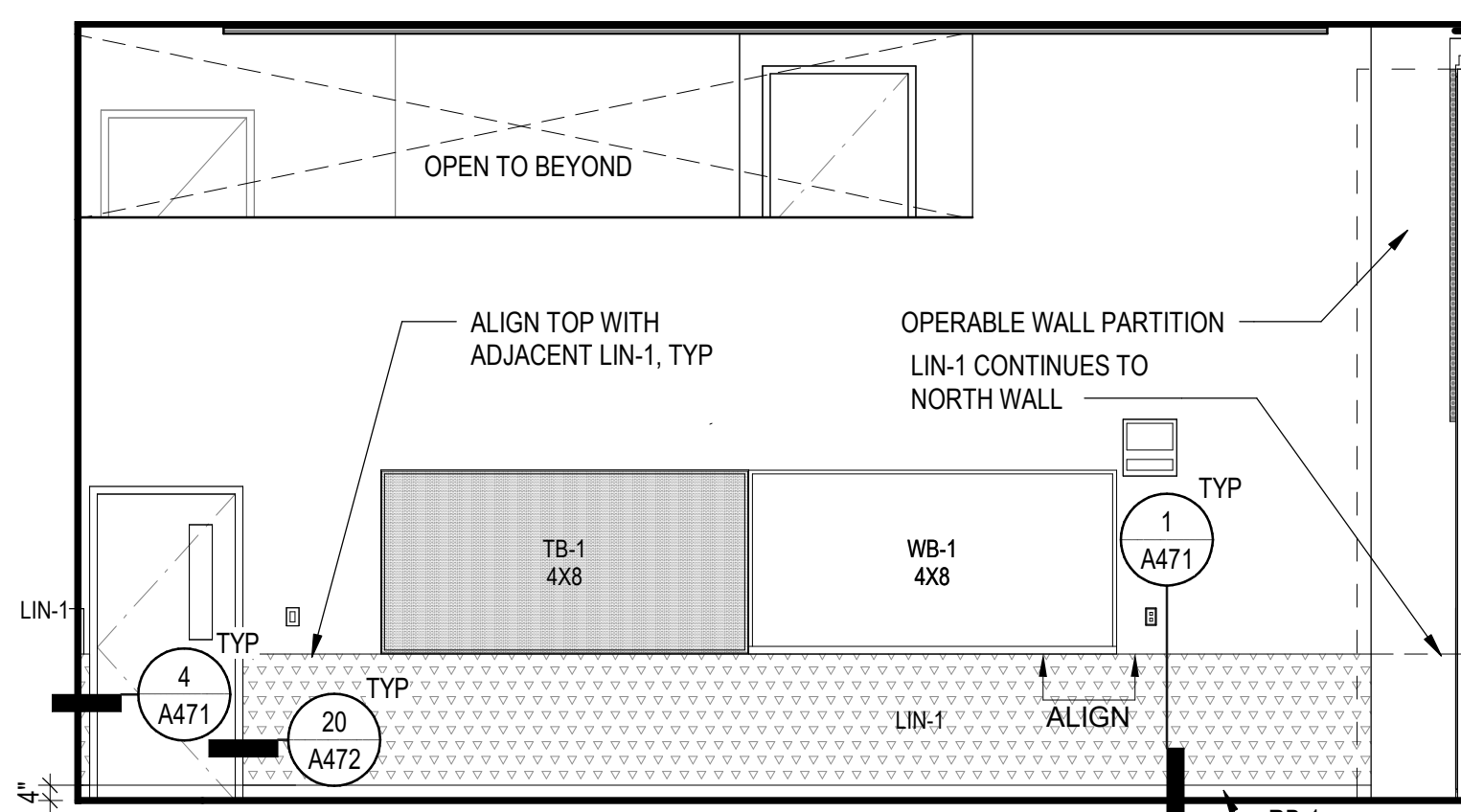
3A CORRIDOR 066 - S
SCALE: 1/4" = 1'-0"



3C CORRIDOR 066 - N
SCALE: 1/4" = 1'-0"



2D STAGE - W
SCALE: 1/4" = 1'-0"



2C STAGE - E
SCALE: 1/4" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

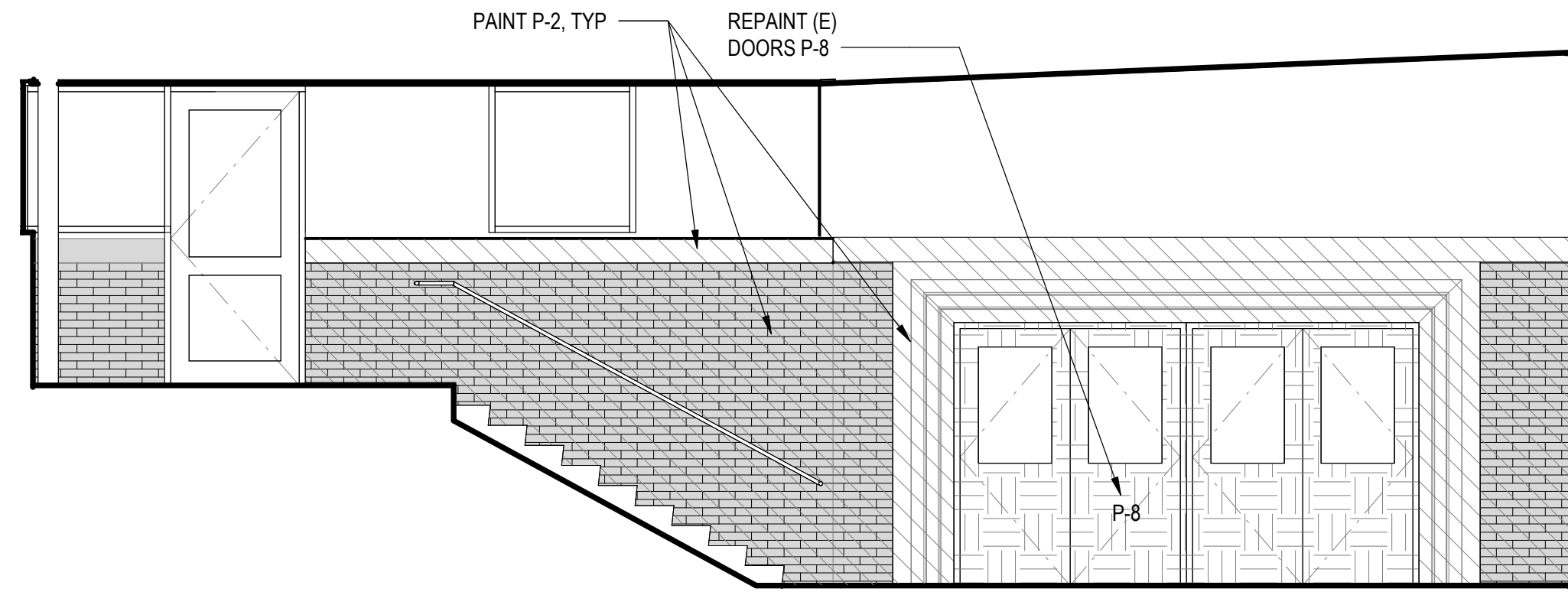
integrus
ARCHITECTURE

REGISTERED
ARCHITECT
MAYL UNDERWOOD
STATE OF WASHINGTON

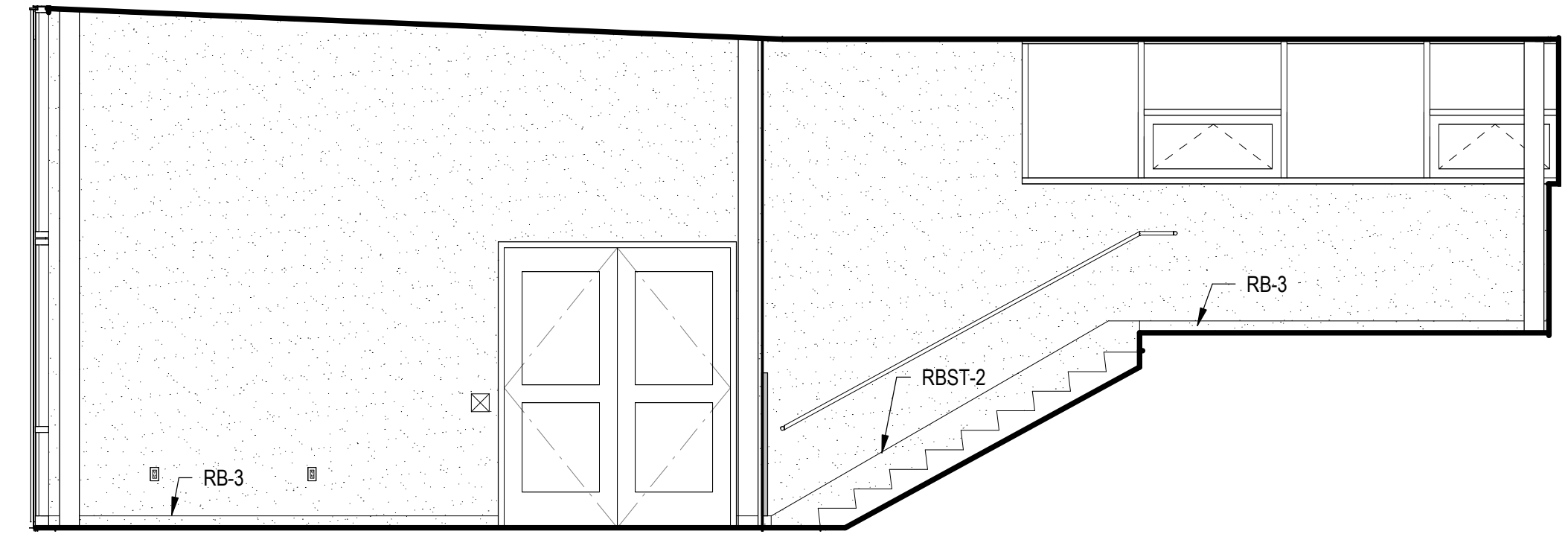
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SS
Checked by:	SS
Revisions	
#	Date
	Description

INTERIOR
ELEVATIONS -
PUBLIC

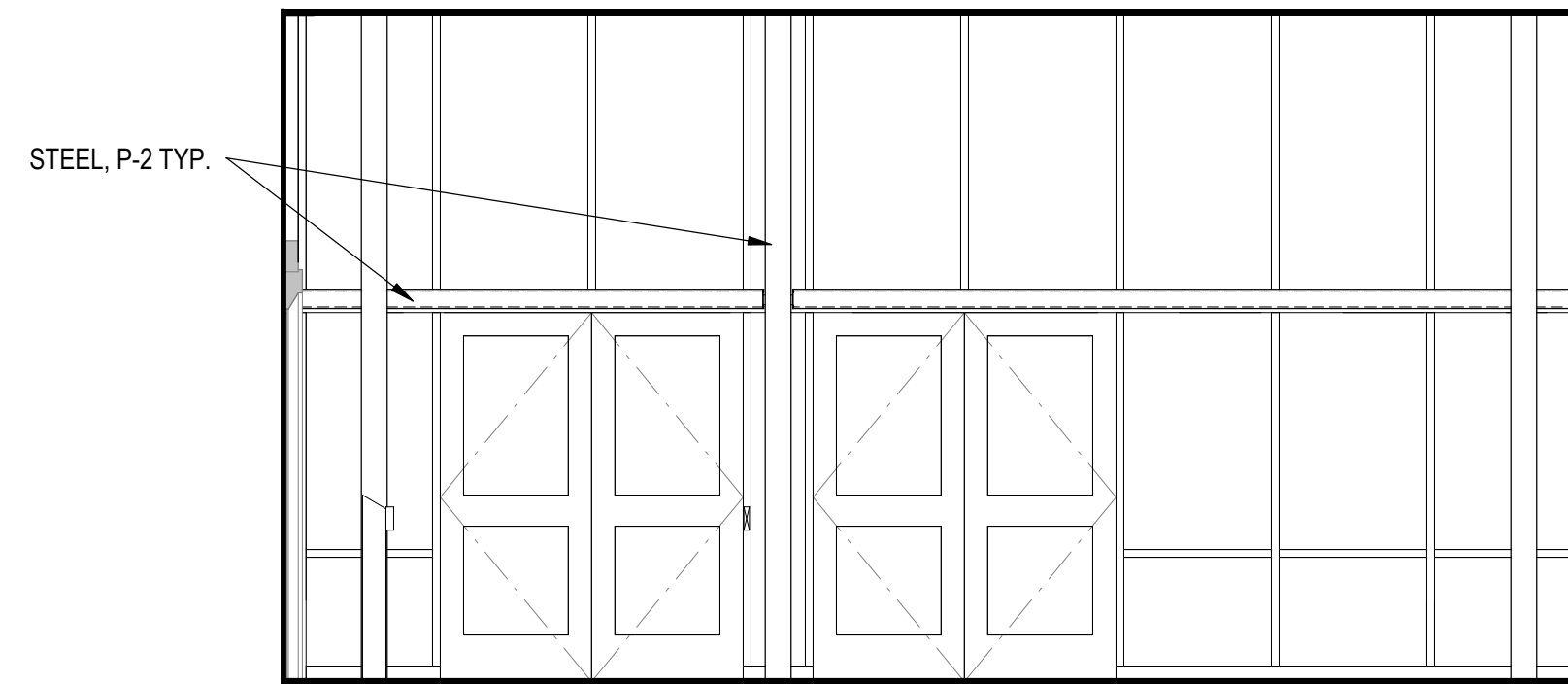
A452



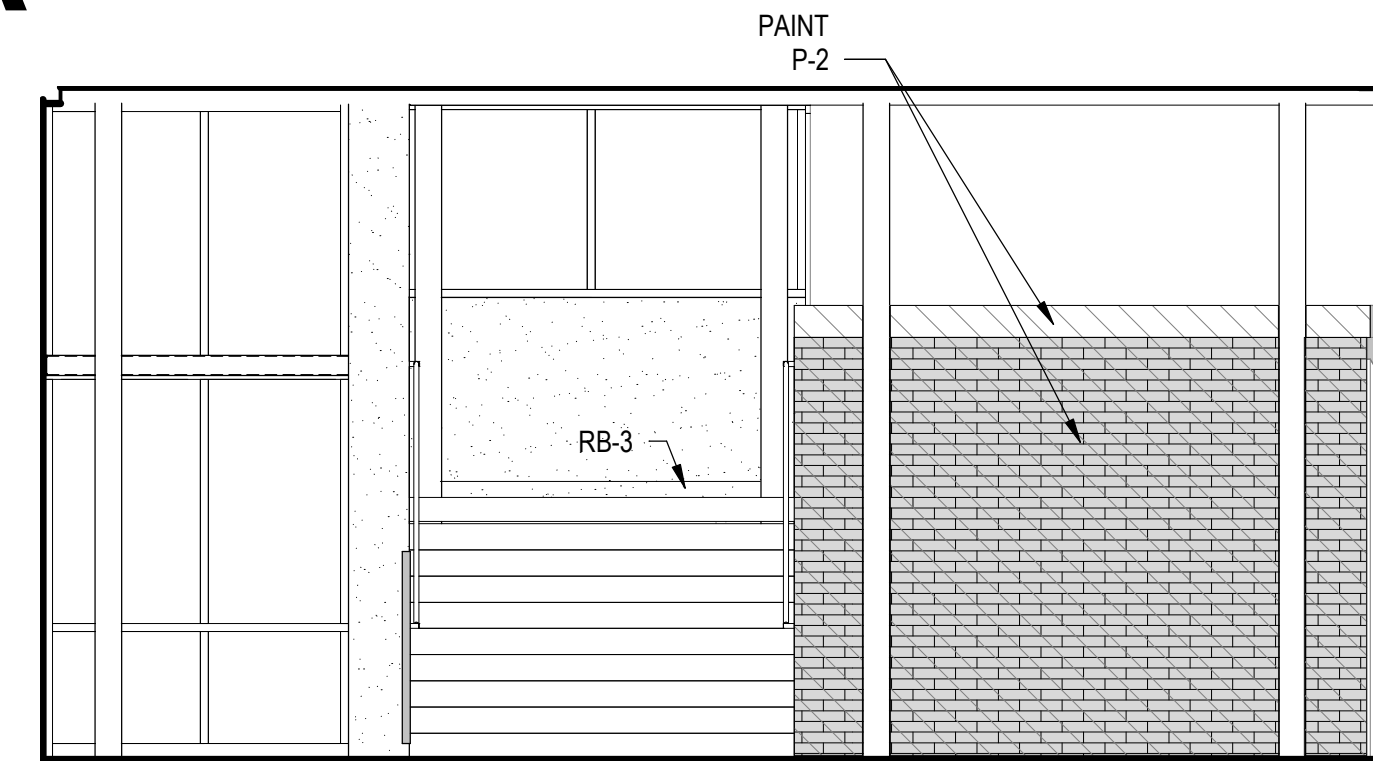
1B INTERIOR ELEVATION - VESTIBULE 060 S
SCALE: 1/4" = 1'-0"



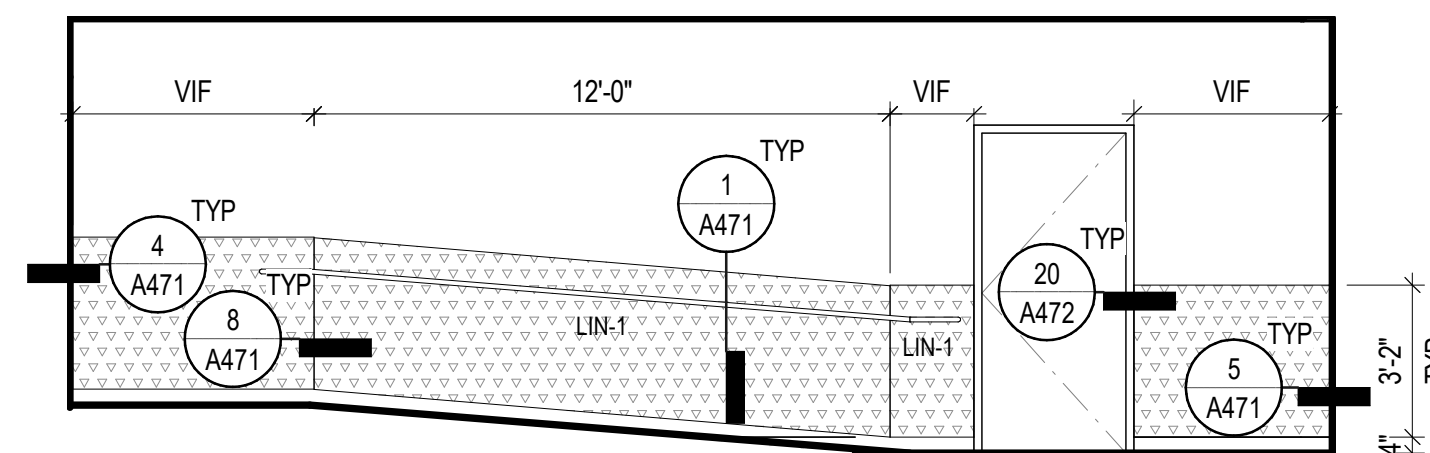
1A INTERIOR ELEVATION - VESTIBULE 060 N
SCALE: 1/4" = 1'-0"



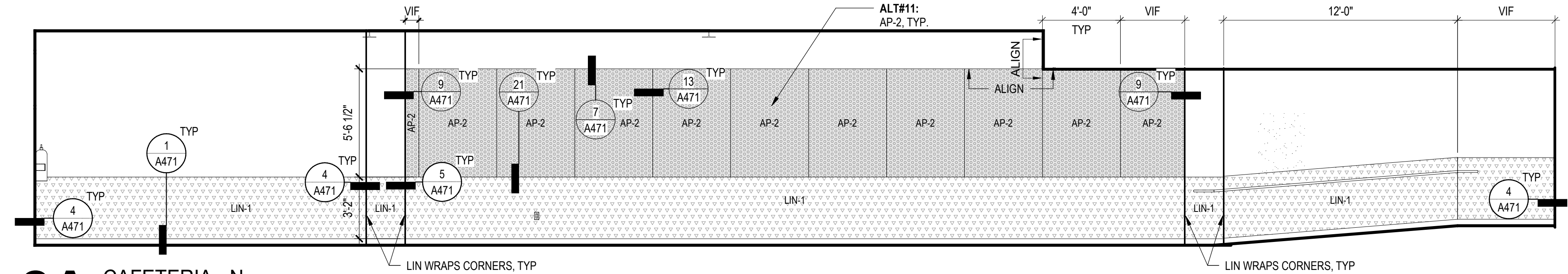
1D INTERIOR ELEVATION - VESTIBULE W
SCALE: 1/4" = 1'-0"



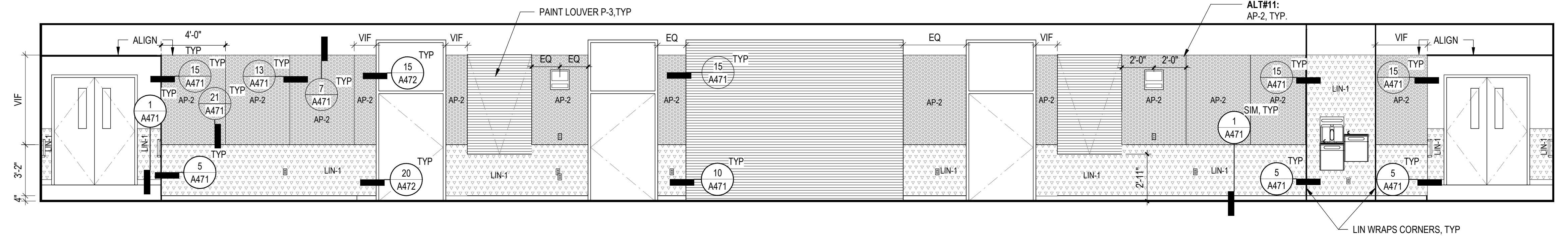
1C INTERIOR ELEVATION - VESTIBULE 060 E
SCALE: 1/4" = 1'-0"



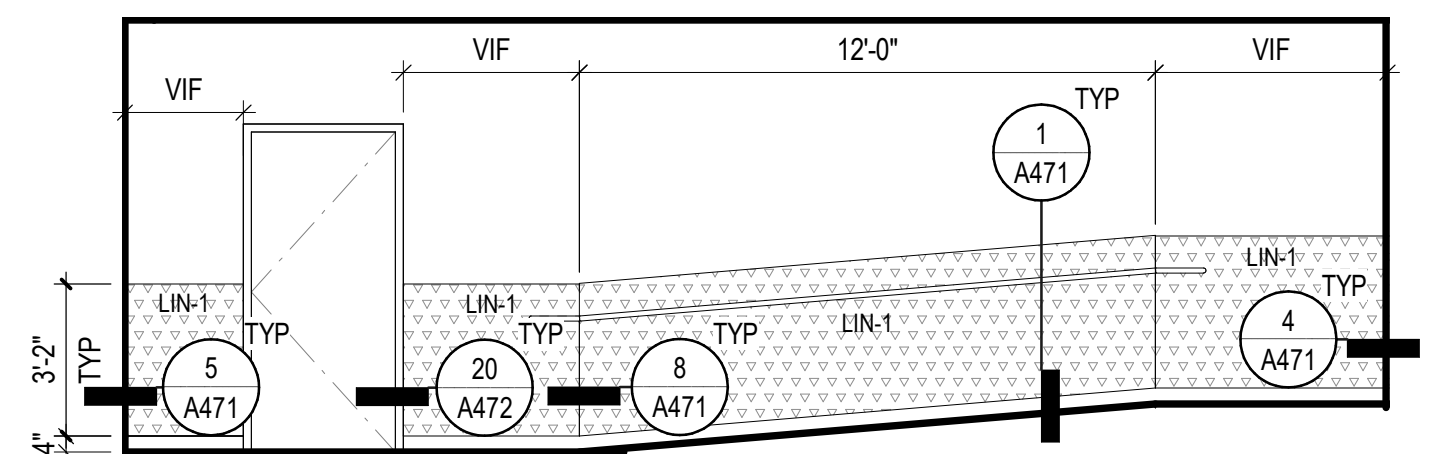
2B CAFETERIA ENTRY - S
SCALE: 1/4" = 1'-0"



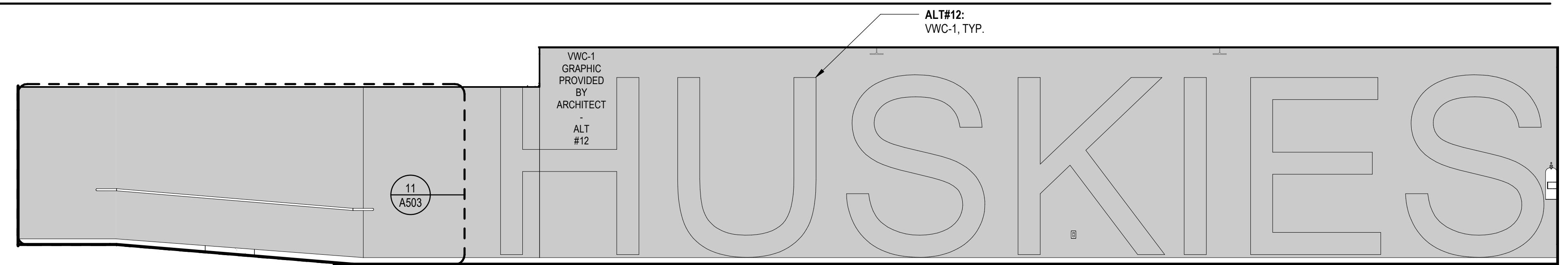
2A CAFETERIA - N
SCALE: 1/4" = 1'-0"



2C CAFETERIA - E
SCALE: 1/4" = 1'-0"



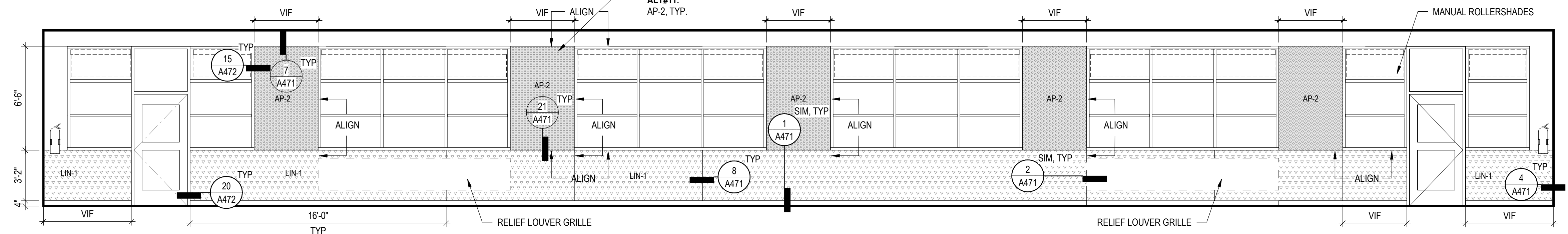
2E CAFETERIA ENTRY - N
SCALE: 1/4" = 1'-0"



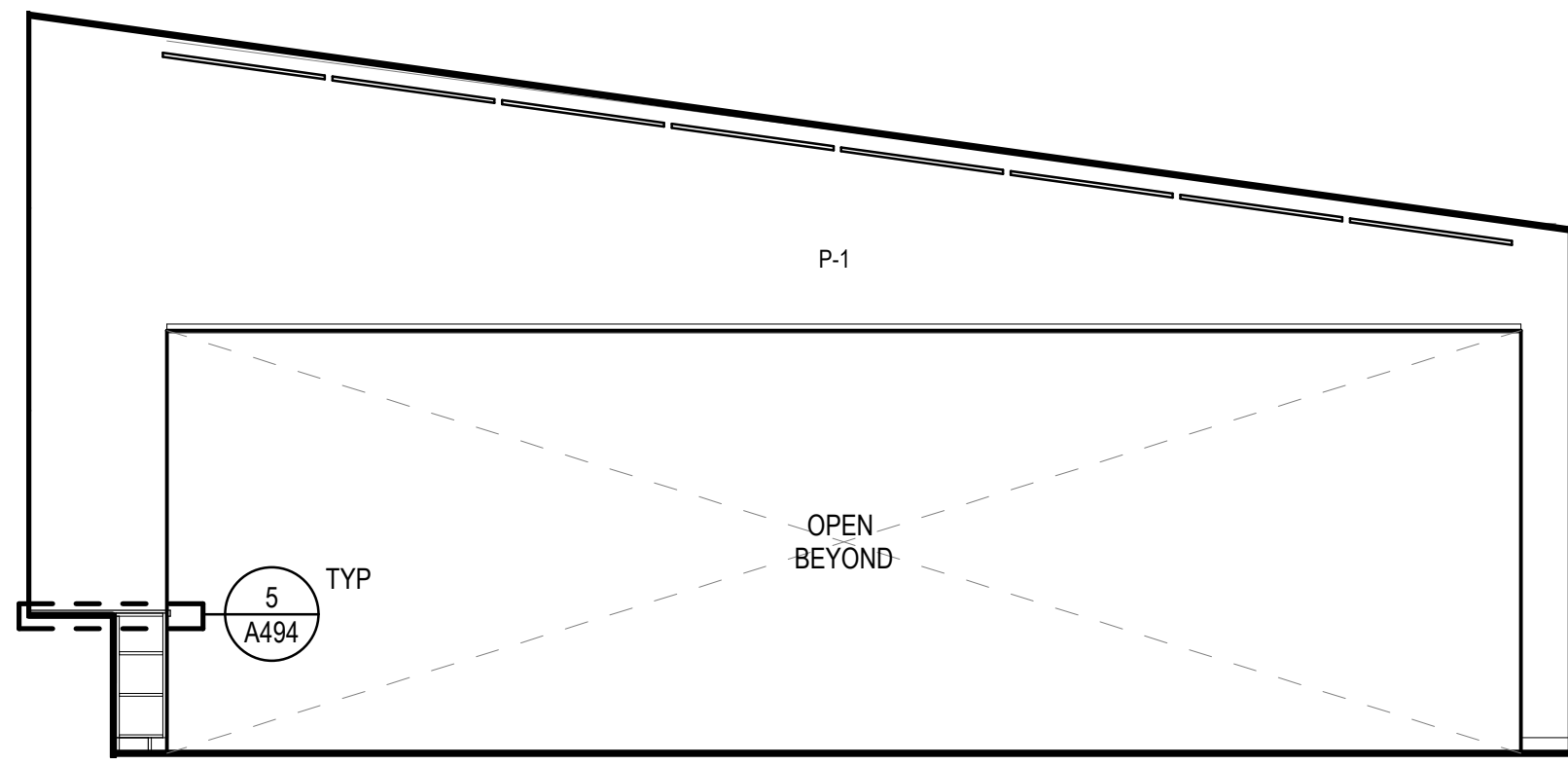
2D CAFETERIA - S
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

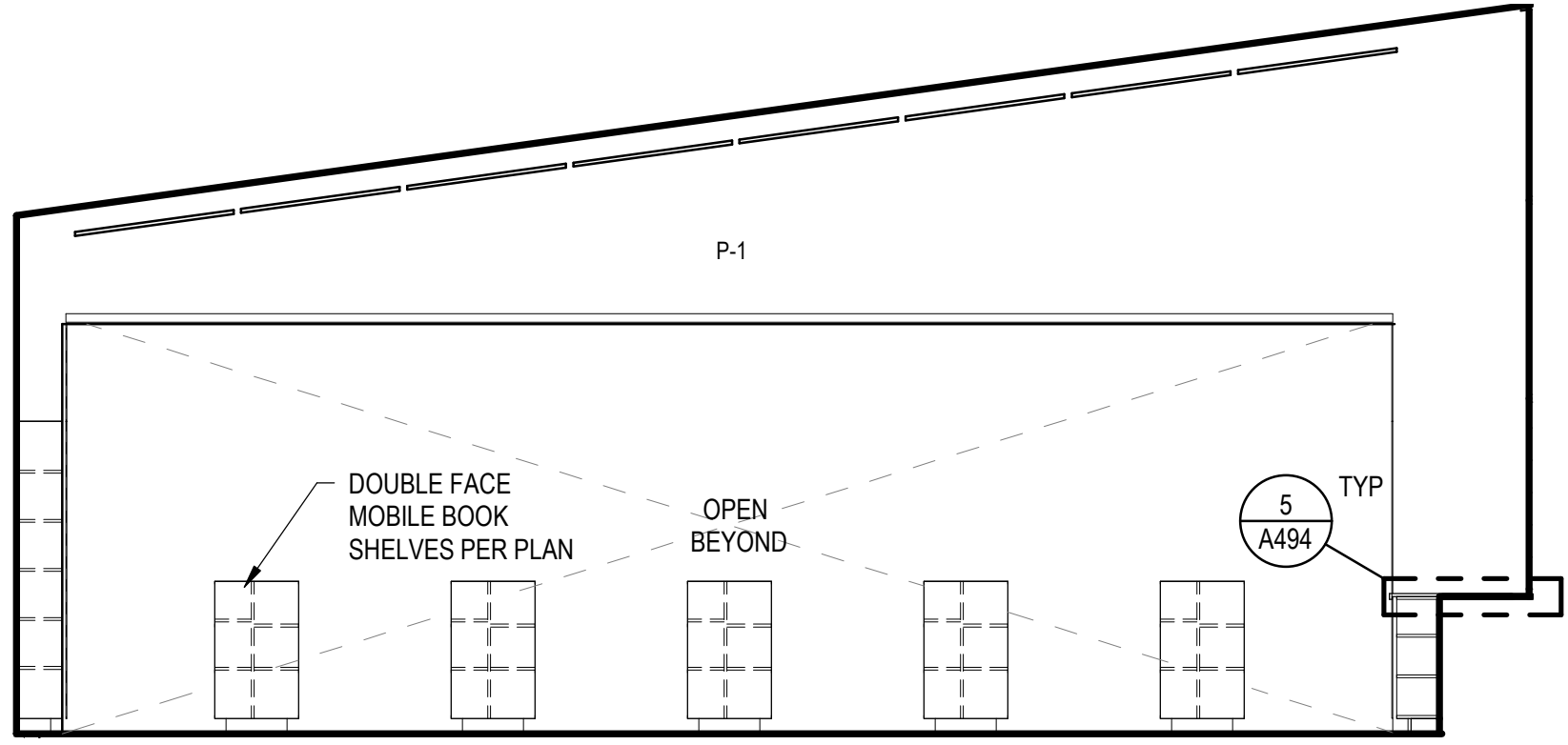
1. FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
2. ALL GWB, SGWB, VENER PLASTER AND E/PCP TO BE PAINTED P-2, UNO.
3. ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
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5. ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT.
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15. REFER TO A632 FOR SILL FINISHING.
16. REFER TO A451 FOR CASEWORK LEGEND.
17. PROVIDE FILLER PANELS AT ALL LOCATIONS.



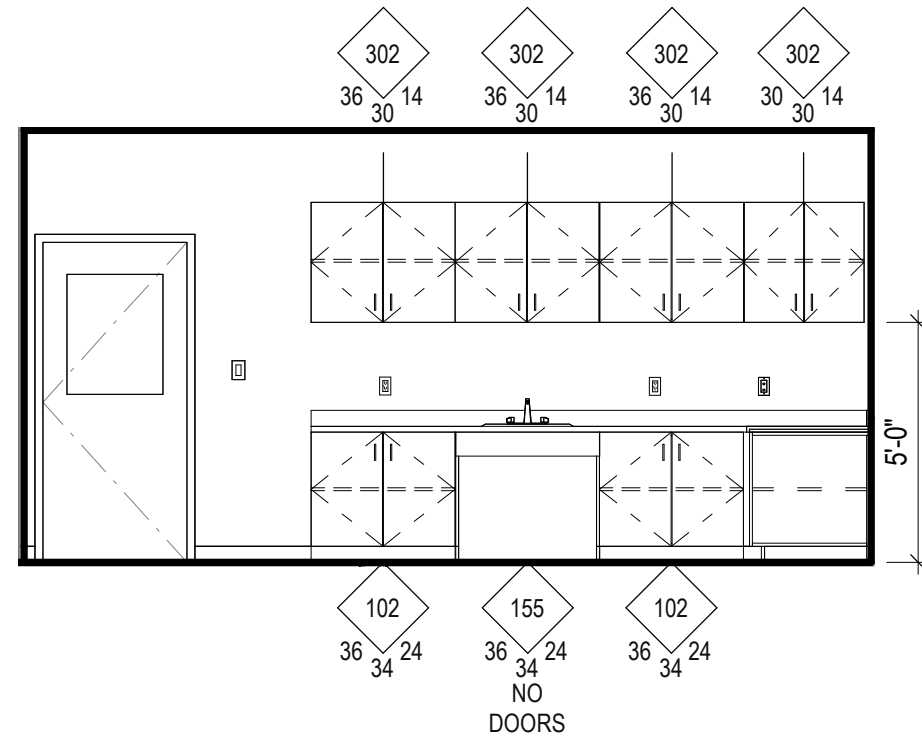
2F CAFETERIA - W
SCALE: 1/4" = 1'-0"



1B LIBRARY - E
SCALE: 1/4" = 1'-0"



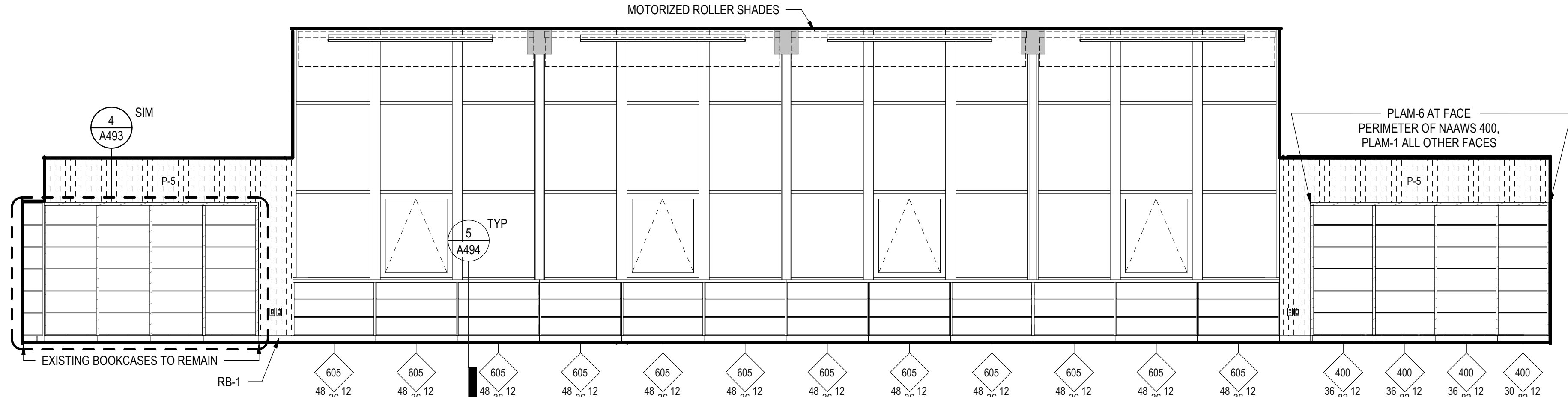
1D LIBRARY - W
SCALE: 1/4" = 1'-0"



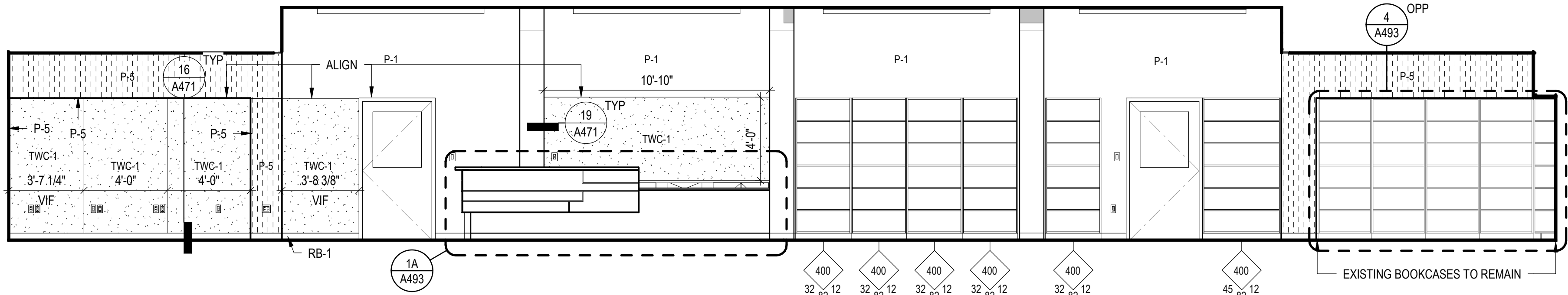
2D LIB. WORK ROOM - W
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

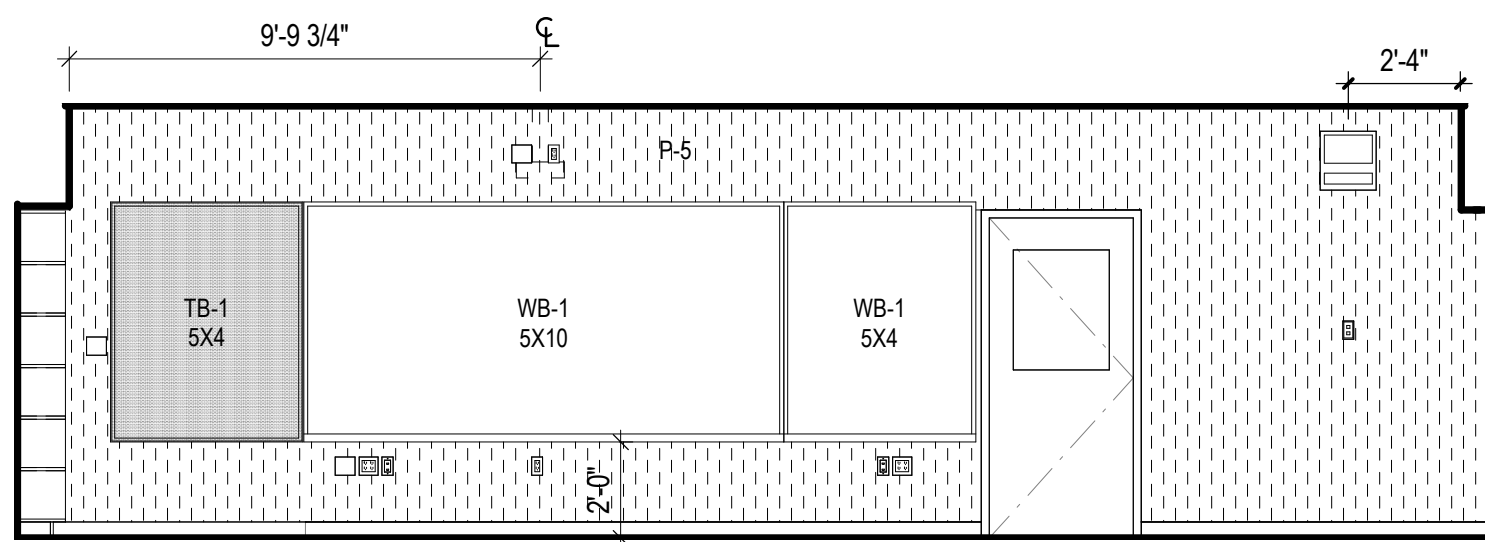
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- ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
- REFER TO A411 FOR TYPICAL MOUNTING HEIGHTS LEGEND.
- FOR ALL WALL MOUNTED ITEMS NOT SHOWN ON INTERIOR ELEVATIONS, COORDINATE WITH ARCHITECTS PRIOR TO INSTALLATION.
- REFER TO FLOOR PLANS FOR EXACT WINDOW LOCATION AND WALL DIMENSIONS.
- INSTALL WALL BASE ON ALL WALLS, EXCLUDING BRICK UNO.
- DEVICES, EQUIPMENT & FIXTURES SHOWN FOR LOCATION COORDINATION REFER TO MECHANICAL, ELECTRICAL & TELECOM DRAWINGS FOR SYSTEM DESIGN & DETAIL.
- REFER TO A432 FOR SILL FINISHING.
- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



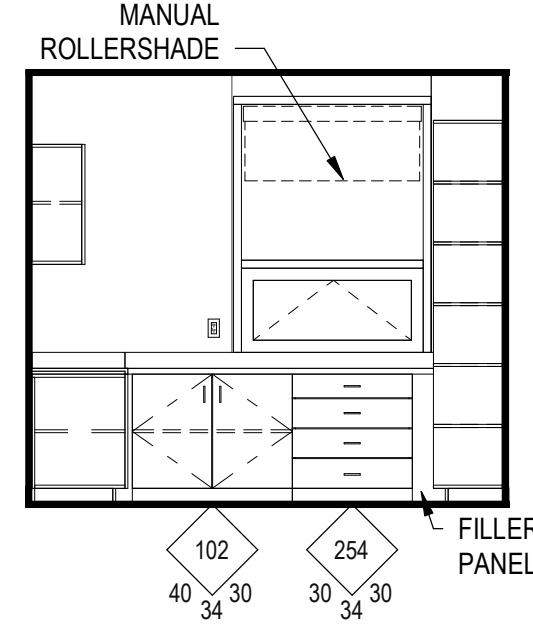
1A LIBRARY - N
SCALE: 1/4" = 1'-0"



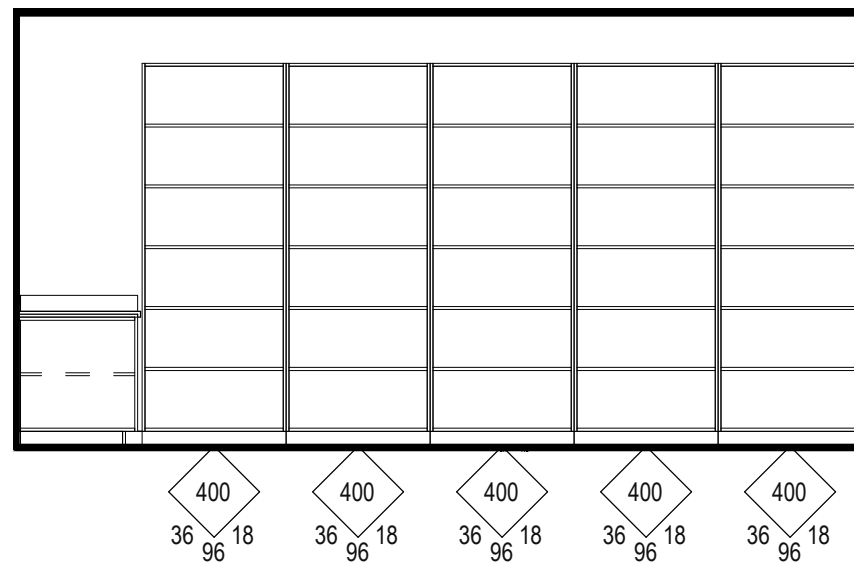
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SCALE: 1/4" = 1'-0"



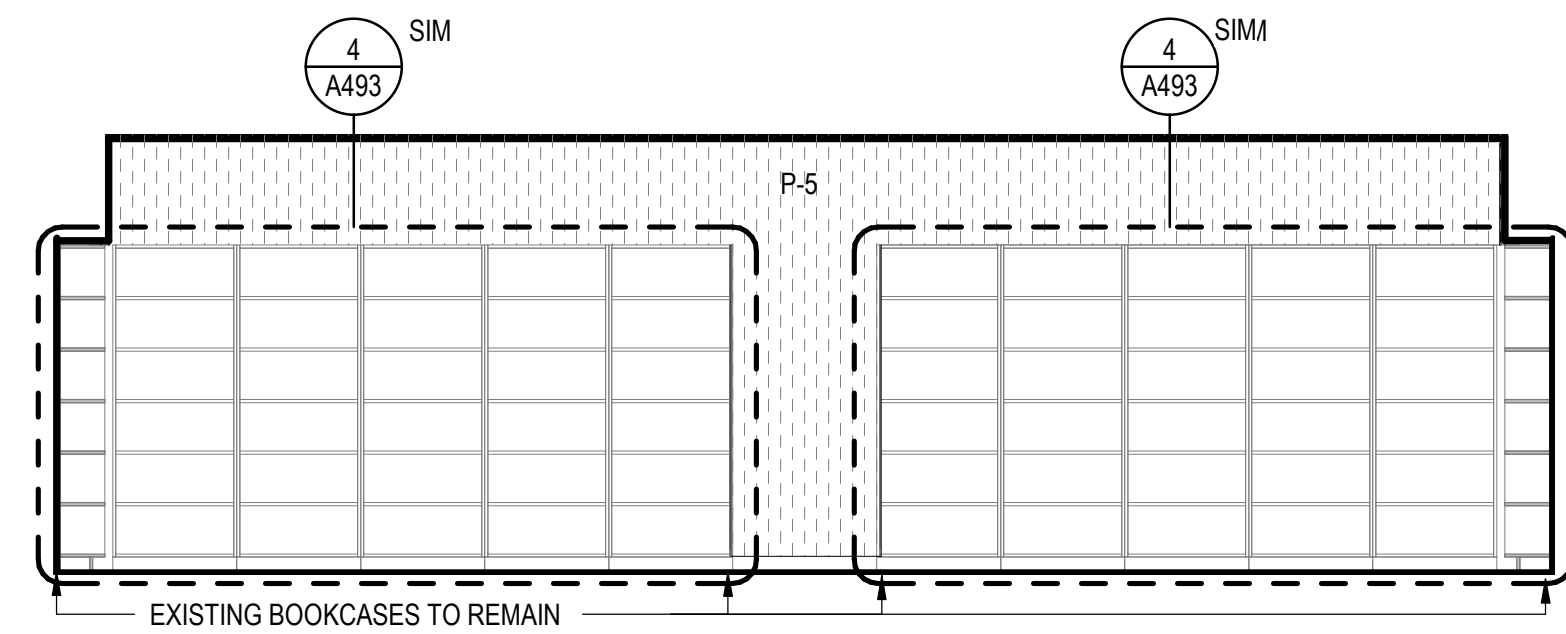
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SCALE: 1/4" = 1'-0"



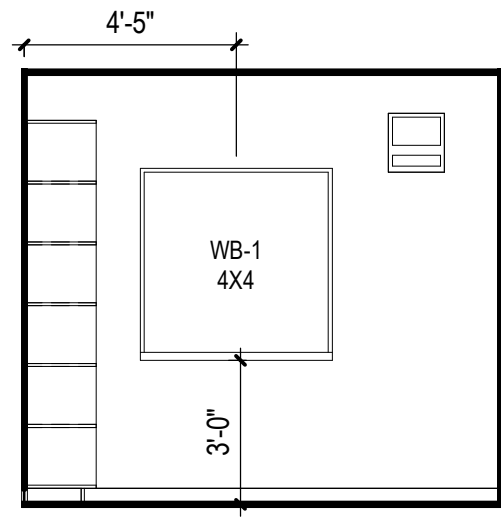
2C LIB. WORK ROOM - N
SCALE: 1/4" = 1'-0"



2B LIB. WORK ROOM - E
SCALE: 1/4" = 1'-0"



1E LIBRARY - W 2
SCALE: 1/4" = 1'-0"



2A LIB. WORK ROOM - S
SCALE: 1/4" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

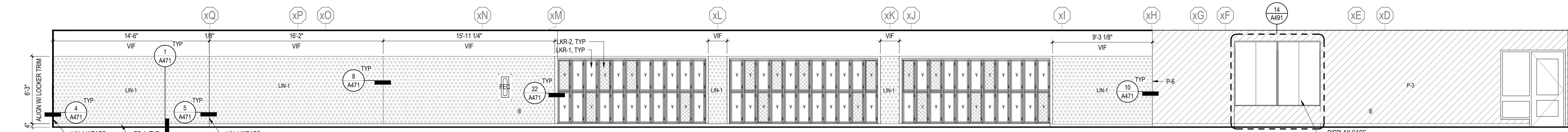
integrus ARCHITECTURE

REGISTERED ARCHITECT
MARTIN L. WUNDERHOFF
STATE OF WASHINGTON

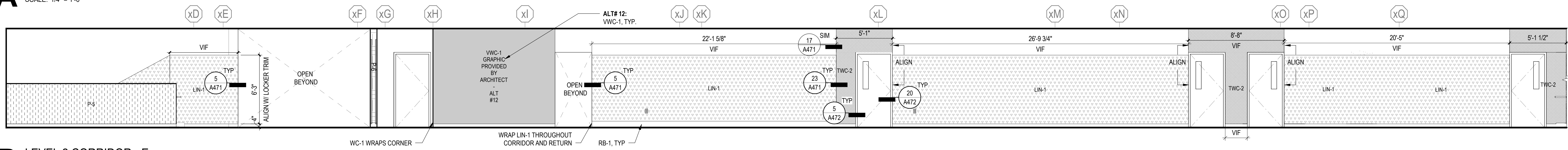
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	SS
Revisions	
#	Date Description

INTERIOR
ELEVATIONS -
PUBLIC

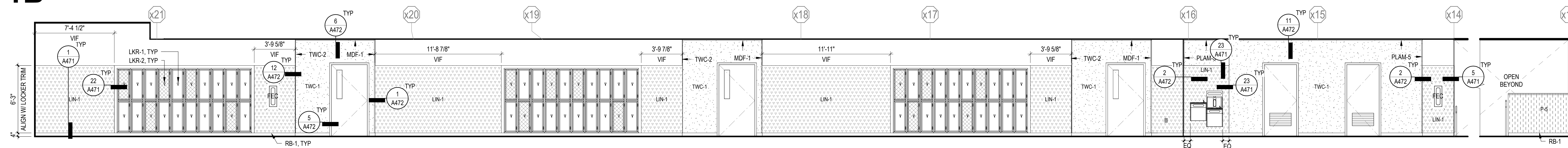
A454



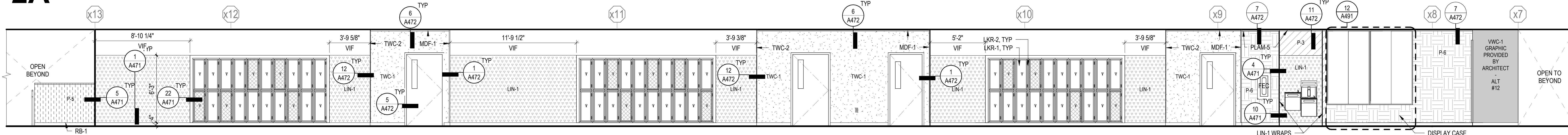
1A LEVEL 2 CORRIDOR - W
SCALE: 1/4" = 1'-0"



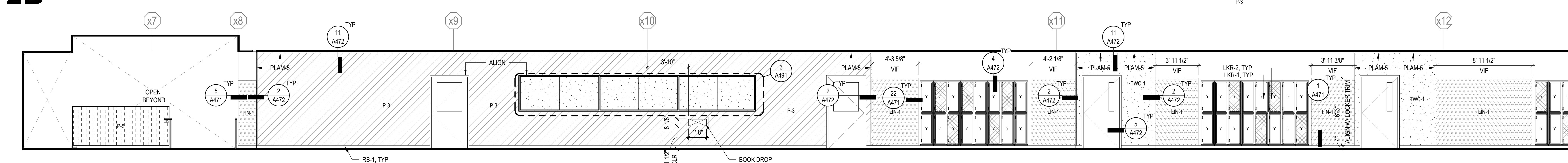
1B LEVEL 2 CORRIDOR - E
SCALE: 1/4" = 1'-0"



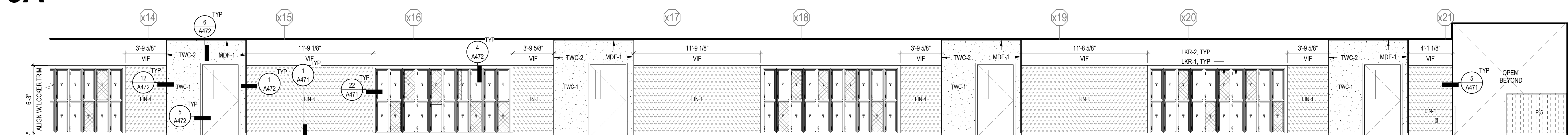
2A LEVEL 2 CORRIDOR - S 1
SCALE: 1/4" = 1'-0"



2B LEVEL 2 CORRIDOR - S 2
SCALE: 1/4" = 1'-0"



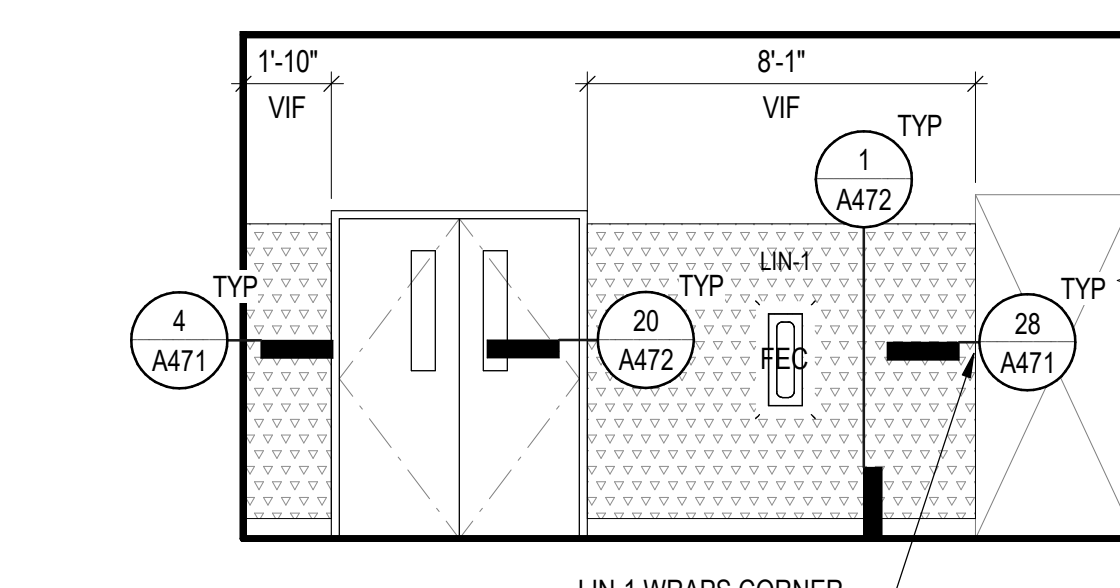
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SCALE: 1/4" = 1'-0"



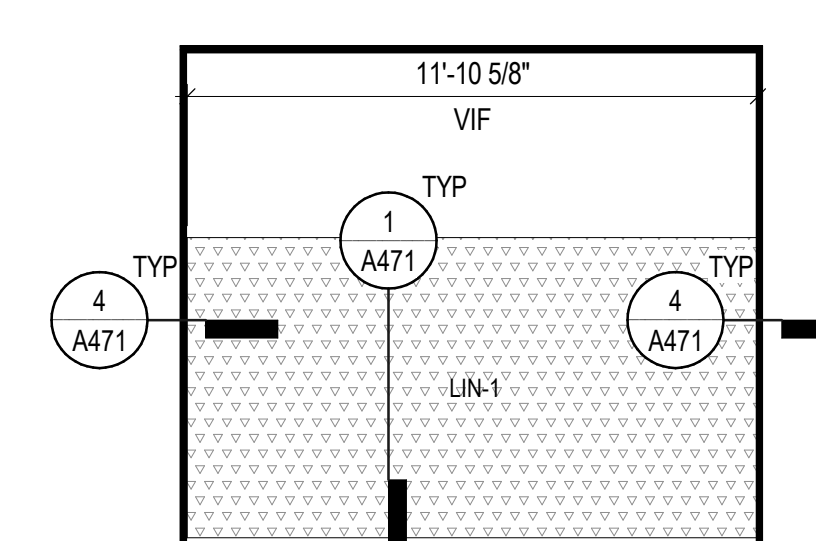
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SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

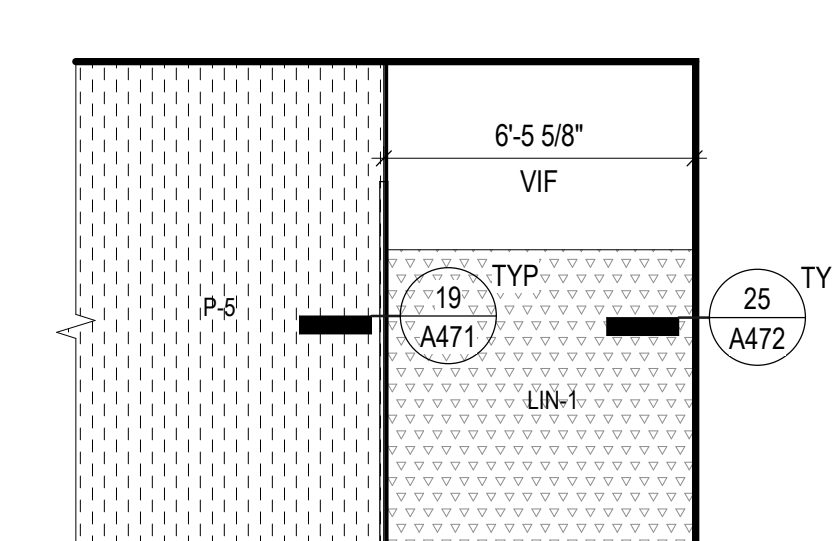
- FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
- ALL GWB, SGWB, VENEER PLASTER AND (E) PCP TO BE PAINTED P-1, UNO.
- ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
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- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



4C CORRIDOR 040A - W
SCALE: 1/4" = 1'-0"



4B CORRIDOR 040A - S
SCALE: 1/4" = 1'-0"



4A CORRIDOR 040A - E
SCALE: 1/4" = 1'-0"

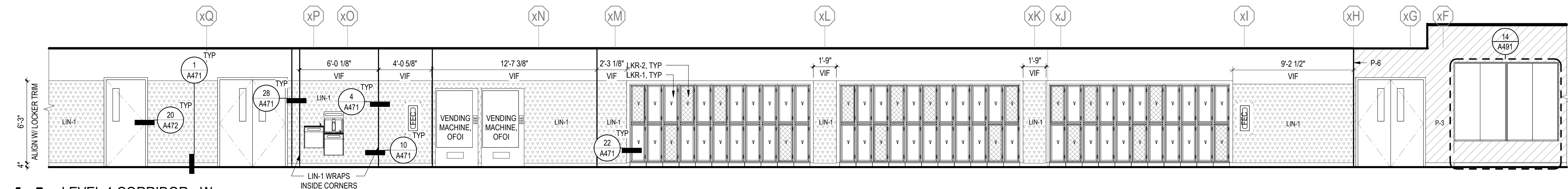
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

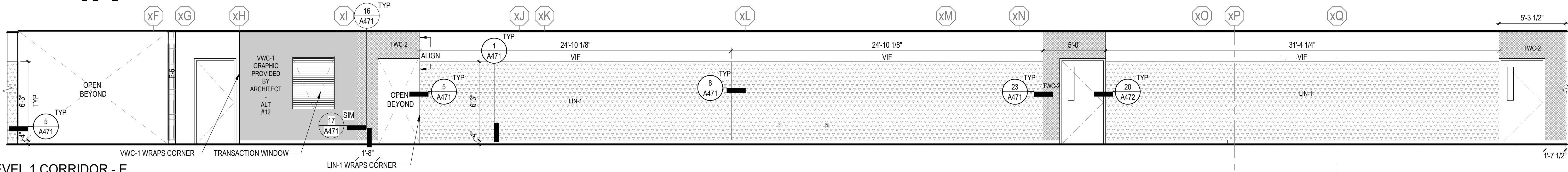
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	SS
Revisions	
#	Date Description

INTERIOR
ELEVATIONS -
CIRCULATION

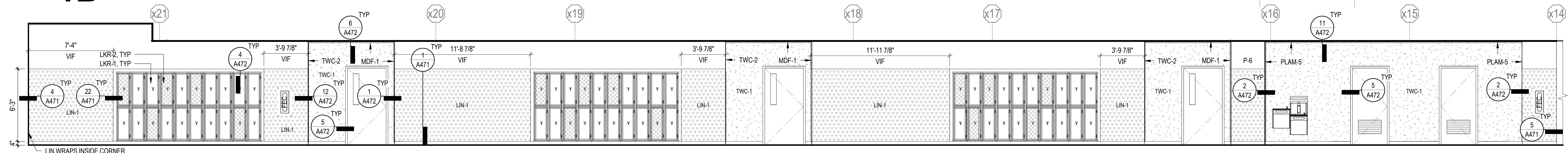
A455



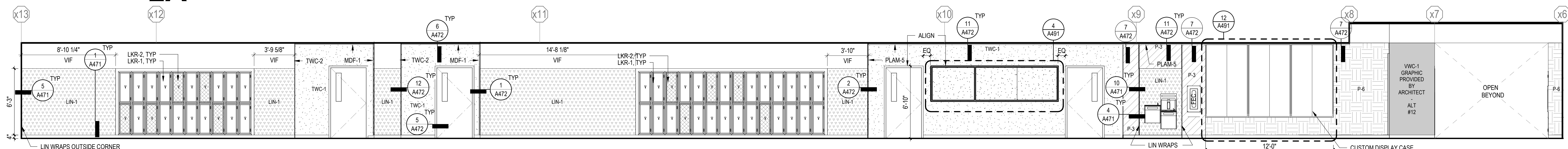
1A LEVEL 1 CORRIDOR - W
SCALE: 1/4" = 1'-0"



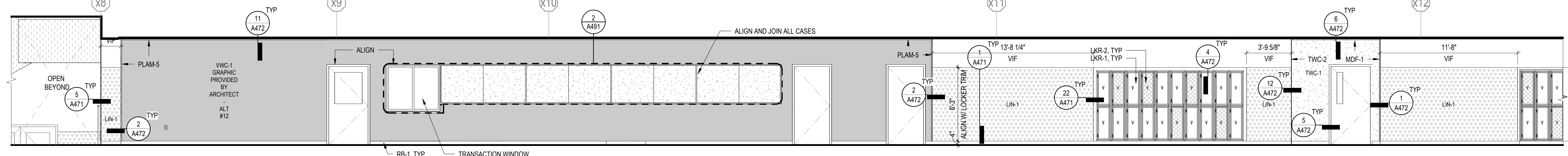
1B LEVEL 1 CORRIDOR - E
SCALE: 1/4" = 1'-0"



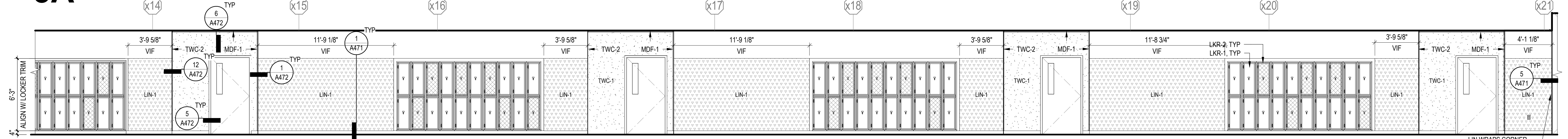
2A LEVEL 1 CORRIDOR - S 1
SCALE: 1/4" = 1'-0"



2B LEVEL 1 CORRIDOR - S 2
SCALE: 1/4" = 1'-0"



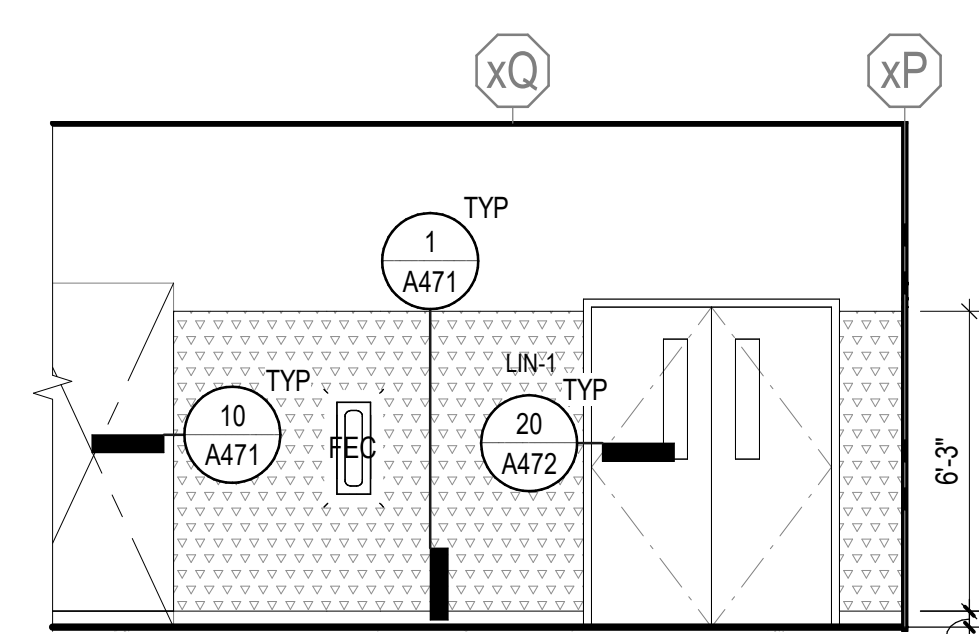
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SCALE: 1/4" = 1'-0"



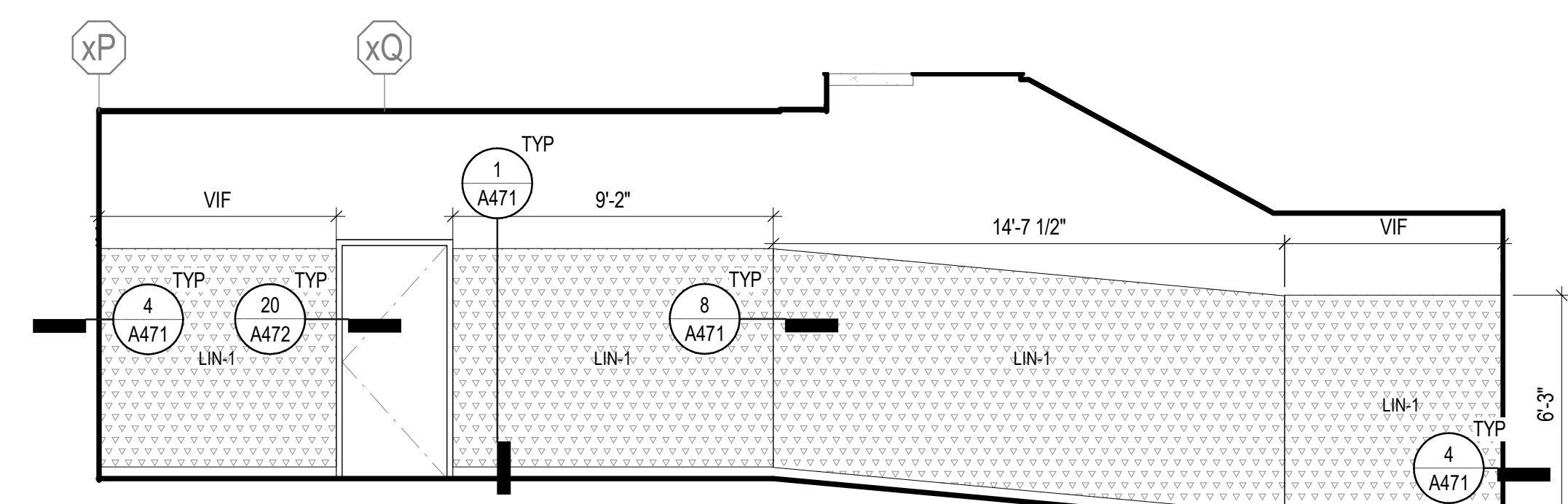
3B LEVEL 1 CORRIDOR - N 2
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

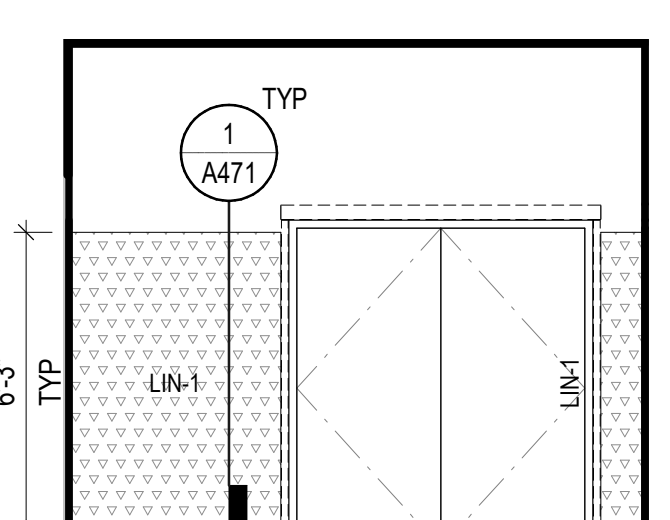
- FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
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- REFER TO A431 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



4C LEVEL 0 CORRIDOR 030 - W
SCALE: 1/4" = 1'-0"



4B LEVEL 0 CORRIDOR 030 - E
SCALE: 1/4" = 1'-0"



4A LEVEL 0 CORRIDOR LEVEL 0 - N
SCALE: 1/4" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

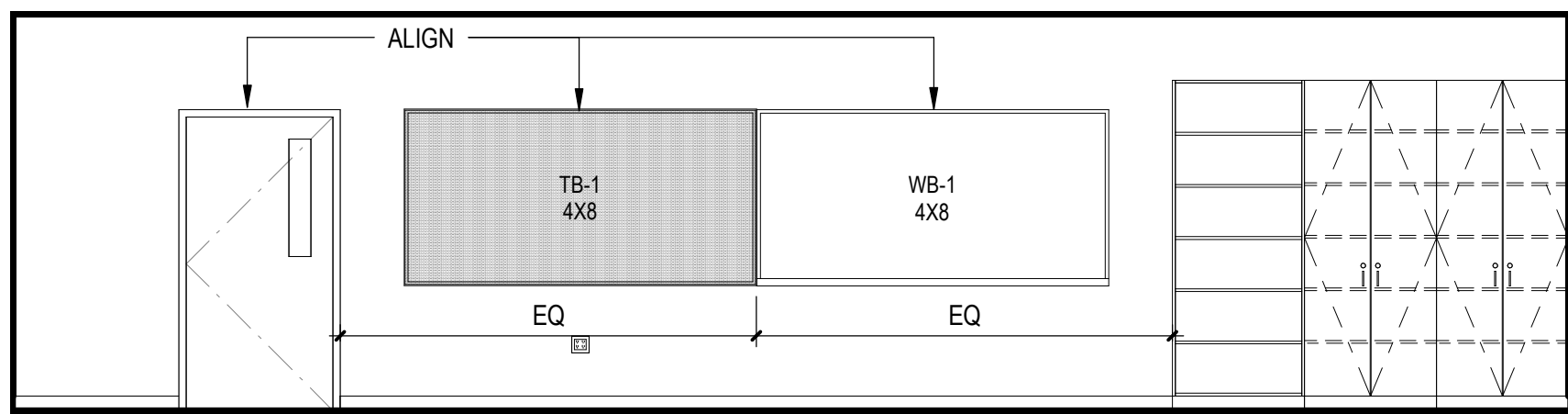
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	SS
Revisions	
#	Date Description

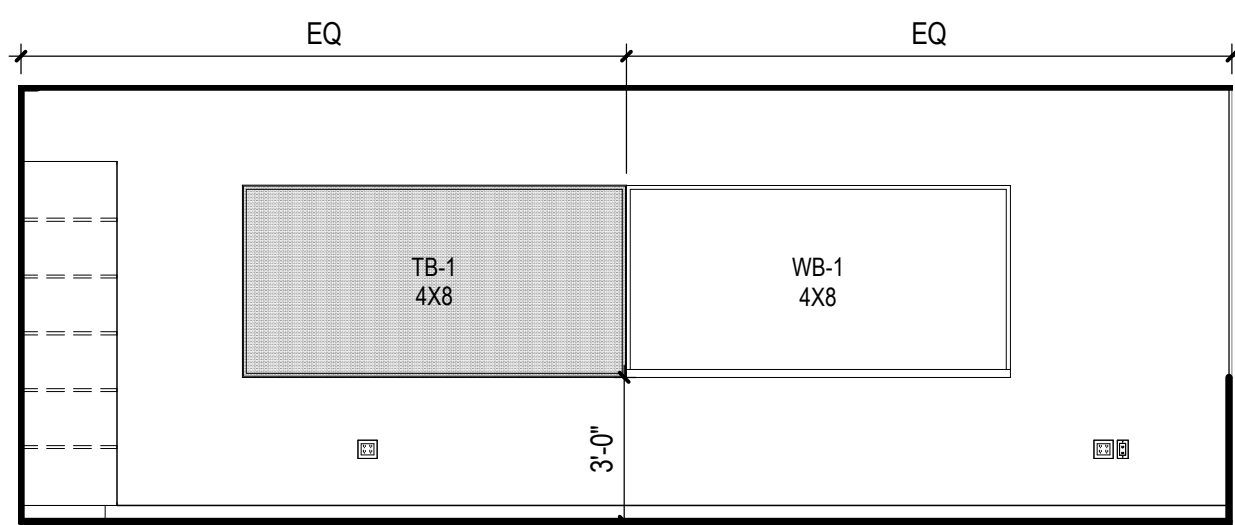
INTERIOR
ELEVATIONS -
CIRCULATION

A456

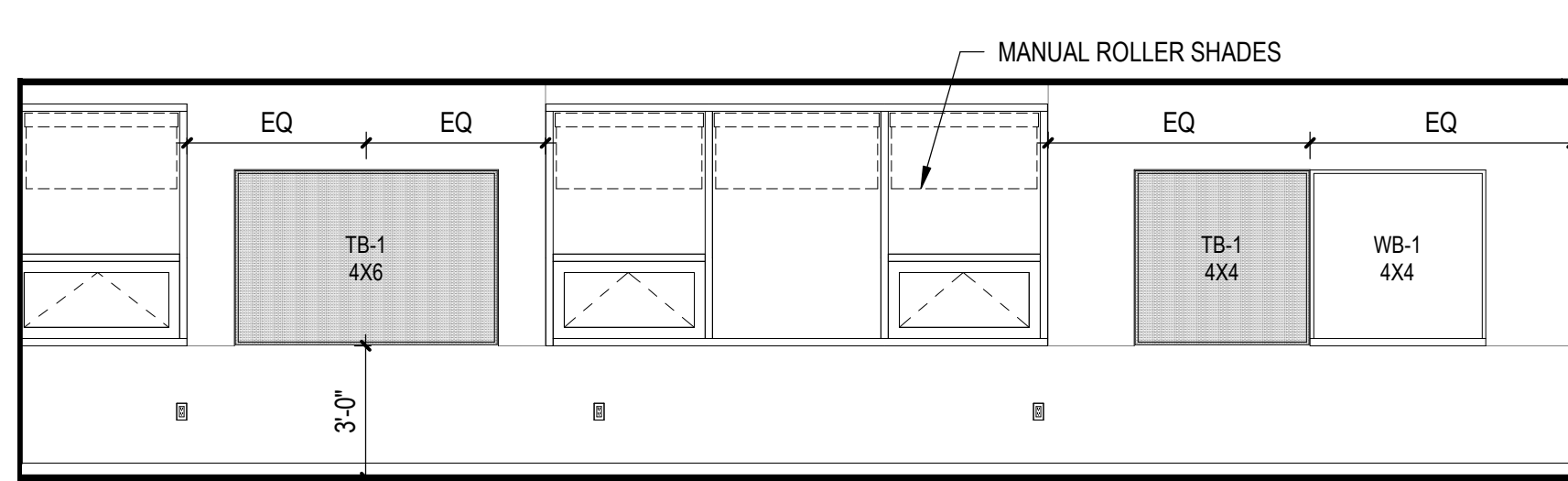
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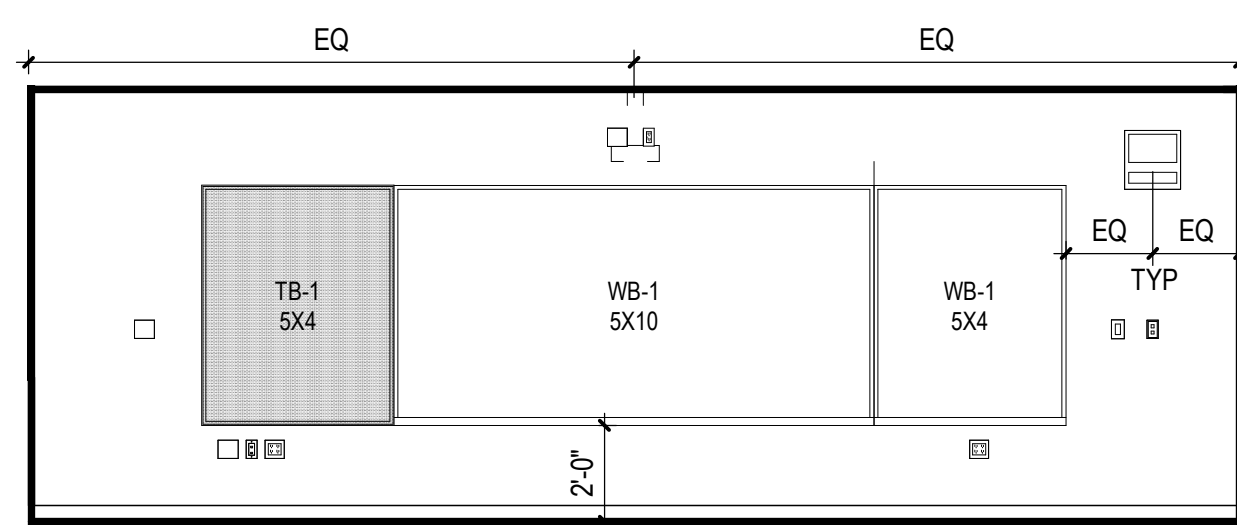
1D CLASSROOM - N
SCALE: 1/4" = 1'-0"



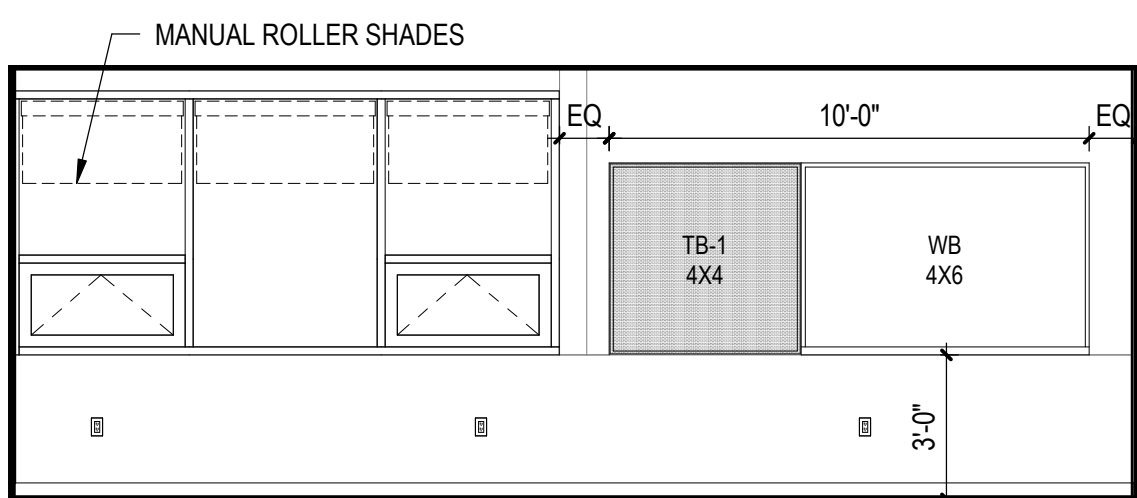
1C CLASSROOM - E
SCALE: 1/4" = 1'-0"



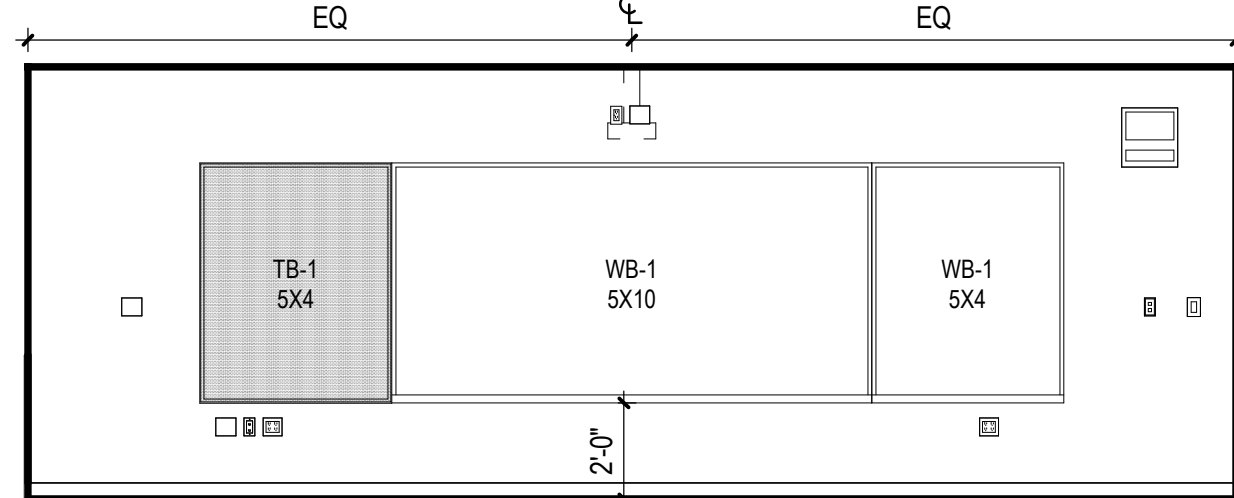
1B CLASSROOM - S
SCALE: 1/4" = 1'-0"



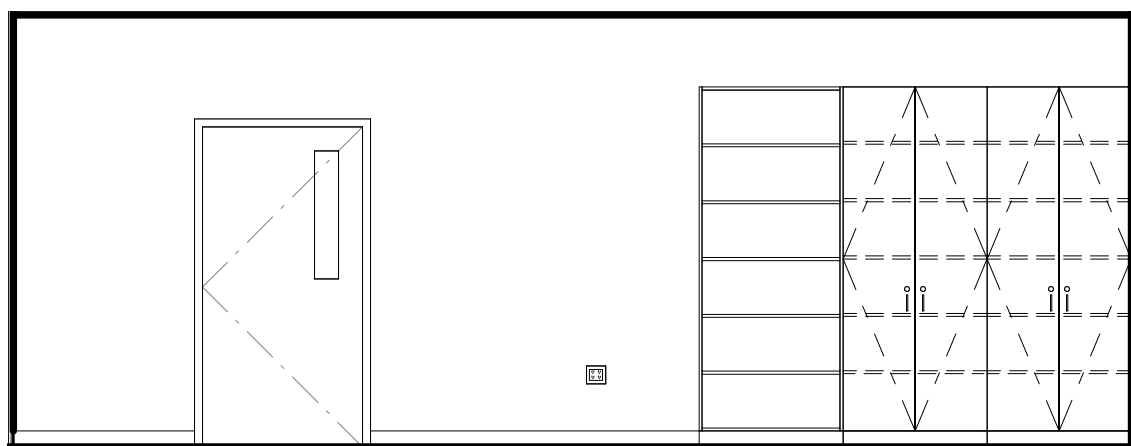
1A CLASSROOM - W
SCALE: 1/4" = 1'-0"



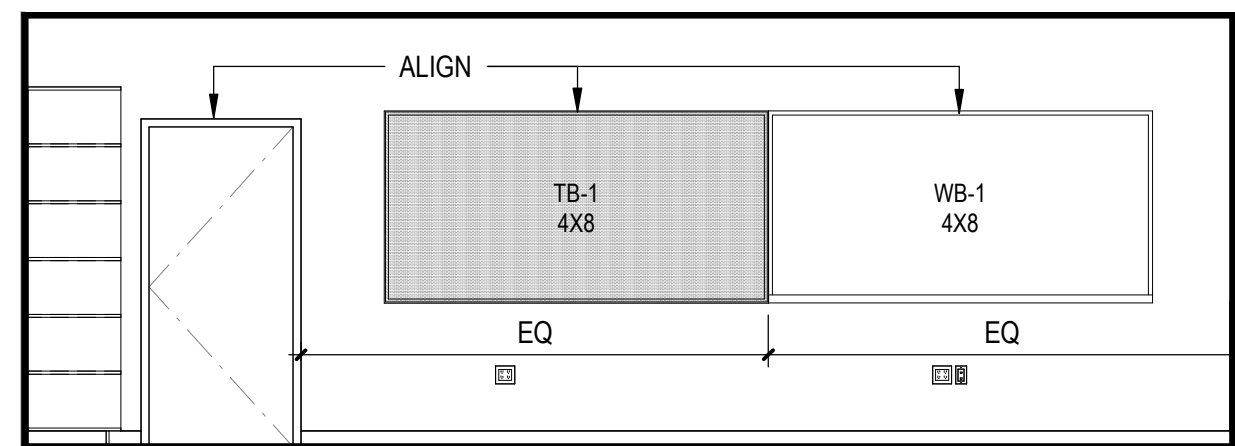
2D SPECIAL ED 121 - N
SCALE: 1/4" = 1'-0"



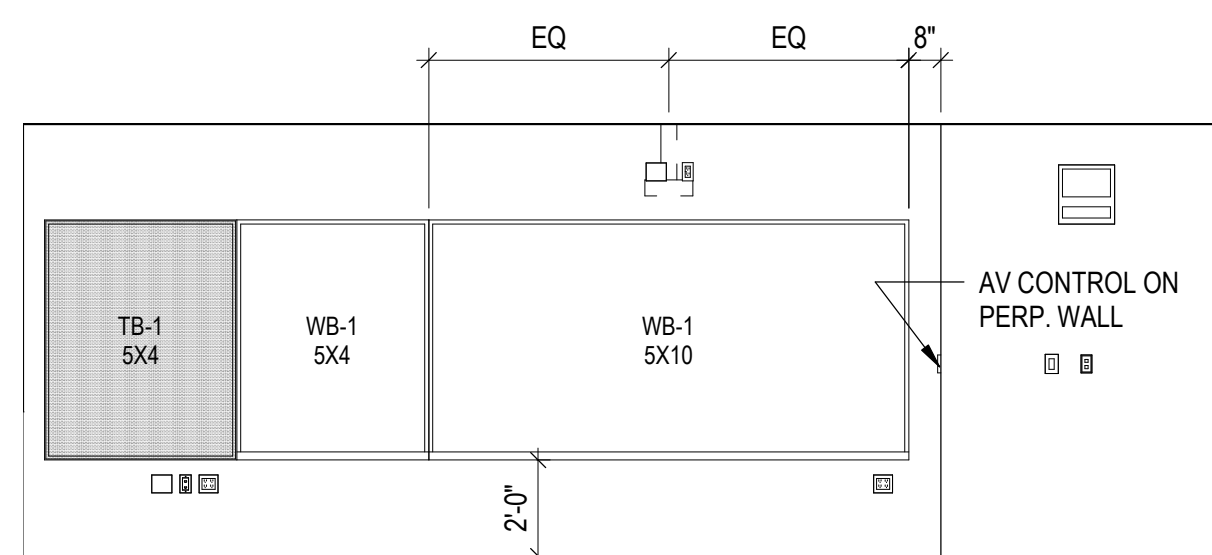
2C SPECIAL ED 121 - E
SCALE: 1/4" = 1'-0"



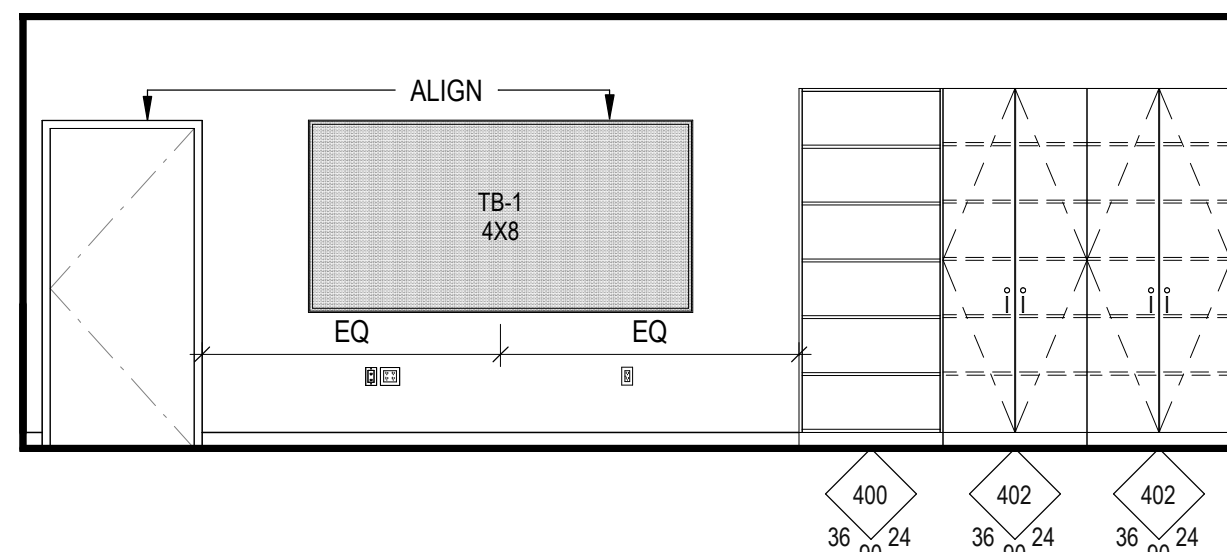
2B SPECIAL ED 121 - S
SCALE: 1/4" = 1'-0"



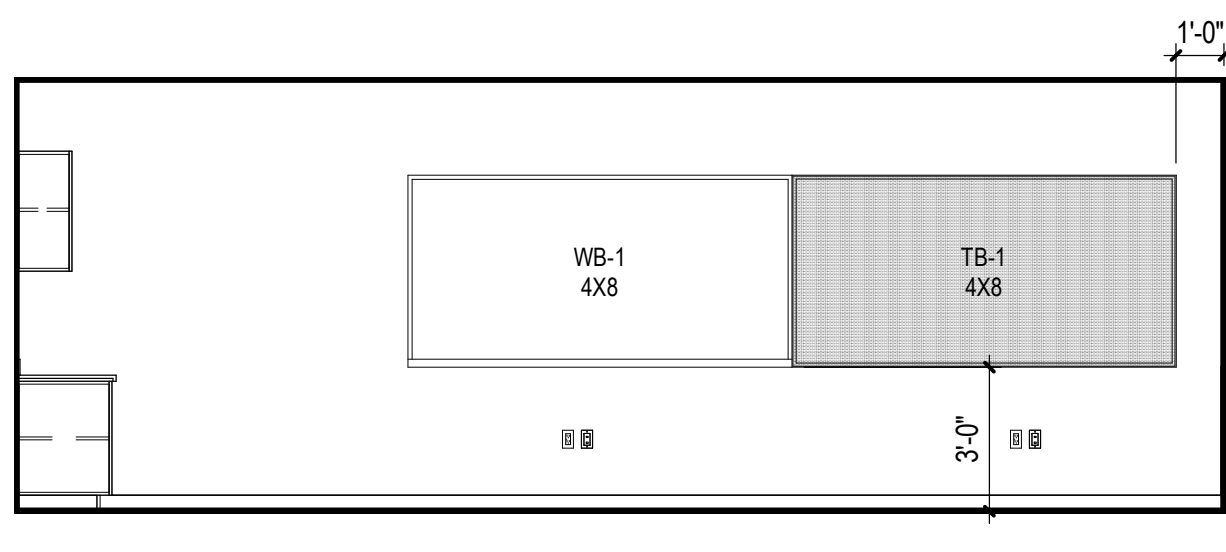
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SCALE: 1/4" = 1'-0"



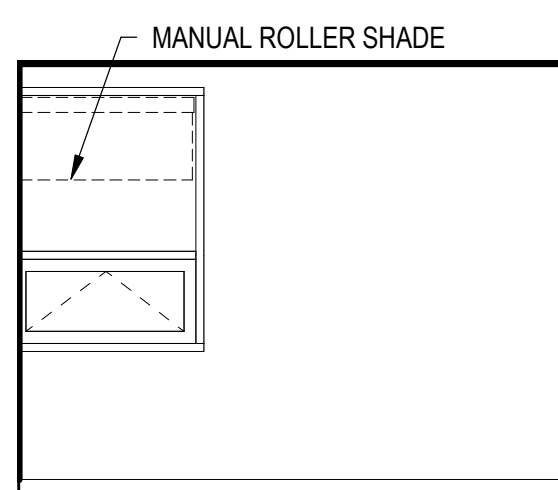
1E CLASSROOM 223 - E
SCALE: 1/4" = 1'-0"



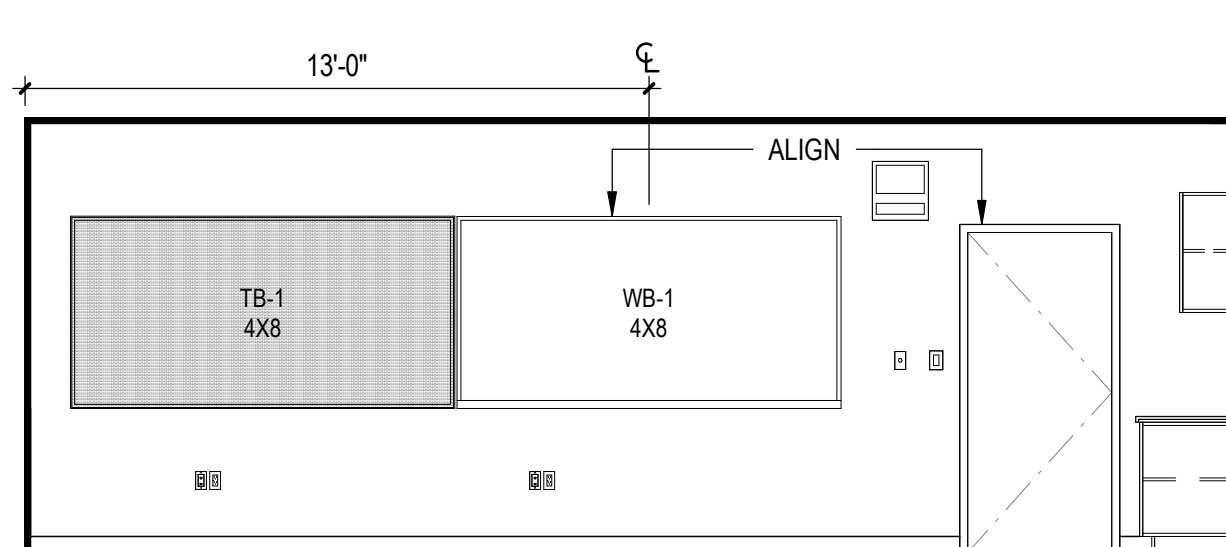
4A SPECIAL ED 107 - W
SCALE: 1/4" = 1'-0"



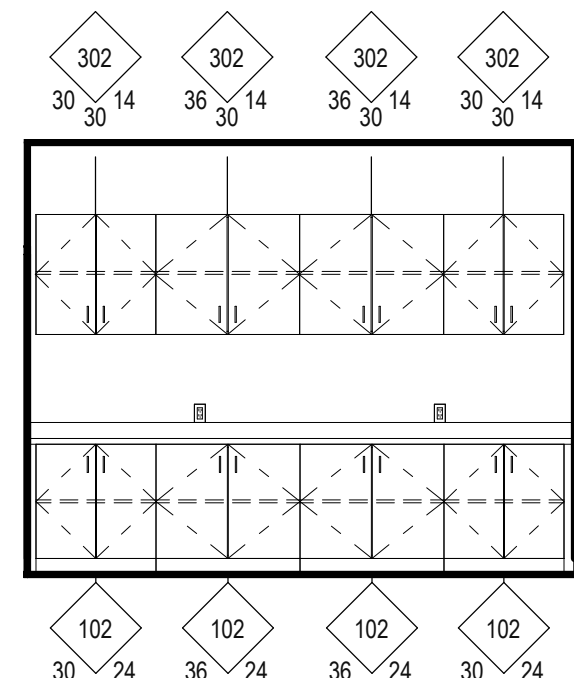
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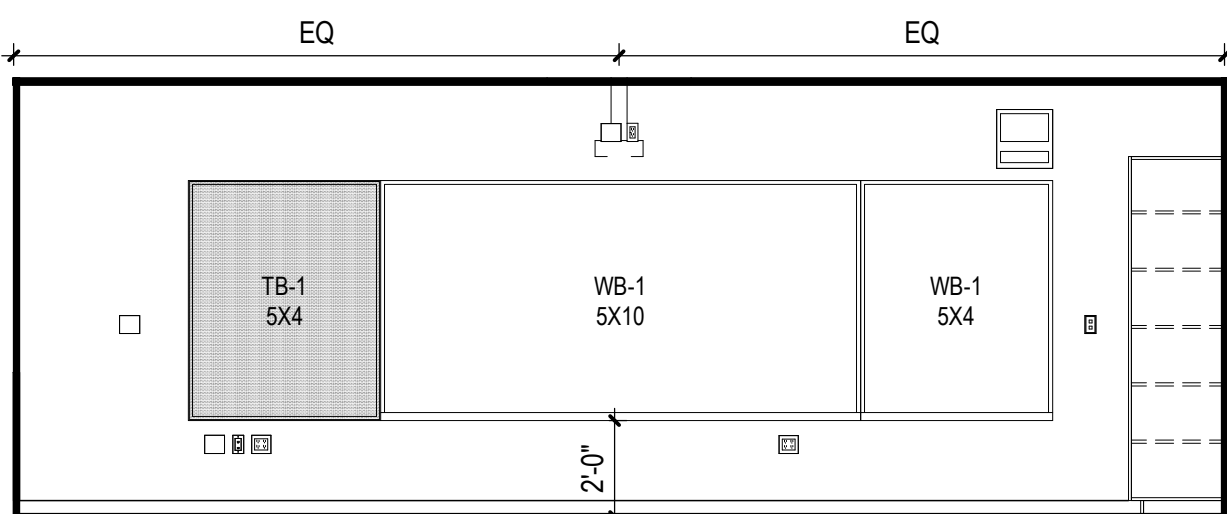
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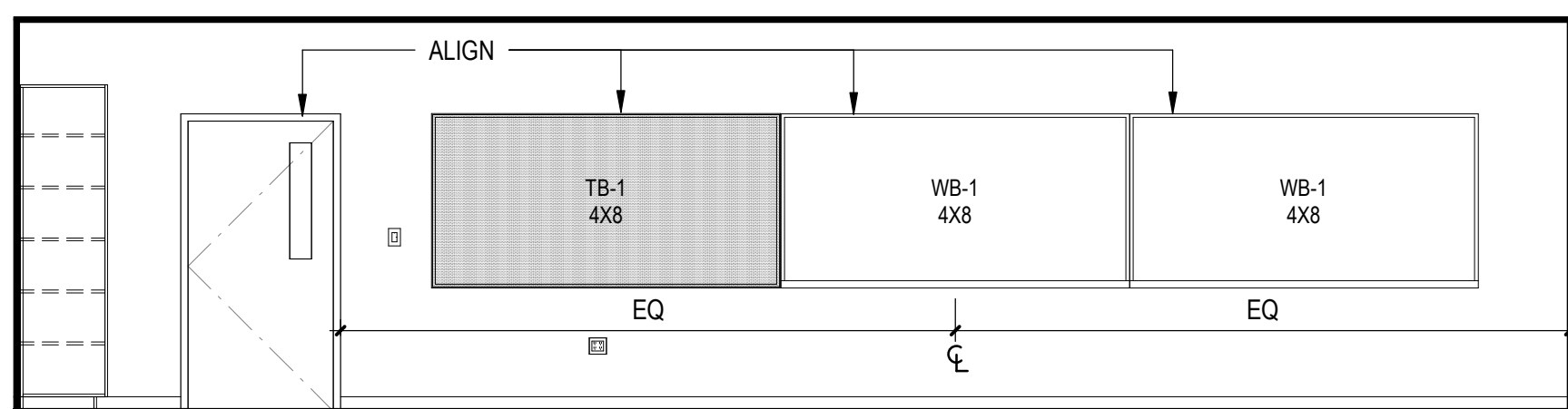
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SCALE: 1/4" = 1'-0"



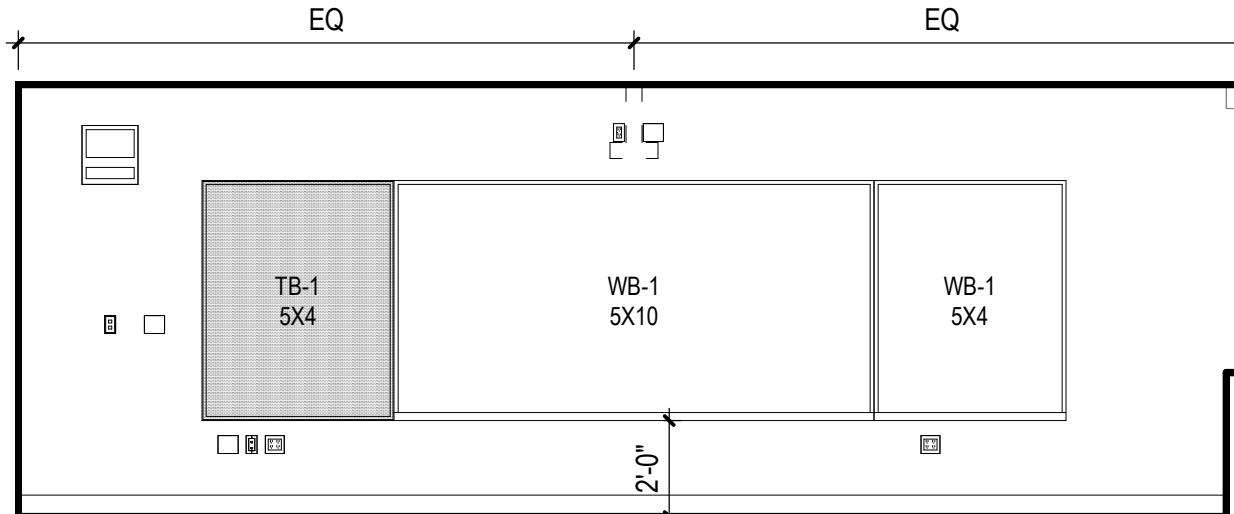
3B SPECIAL ED 121A - S
SCALE: 1/4" = 1'-0"



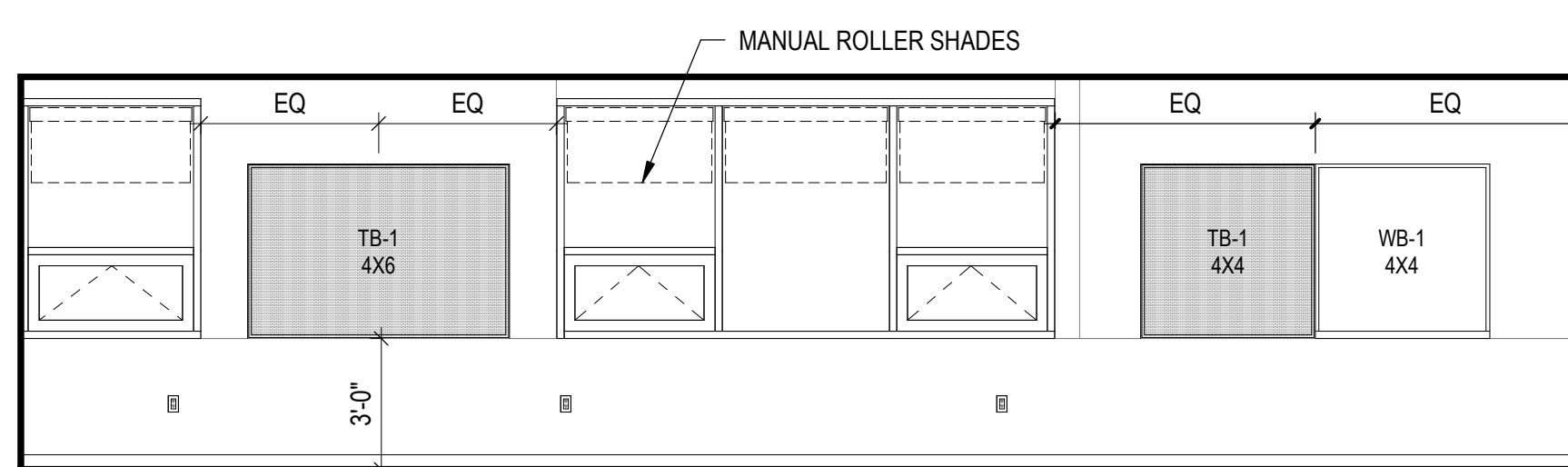
5A SPECIAL ED 108 - W
SCALE: 1/4" = 1'-0"



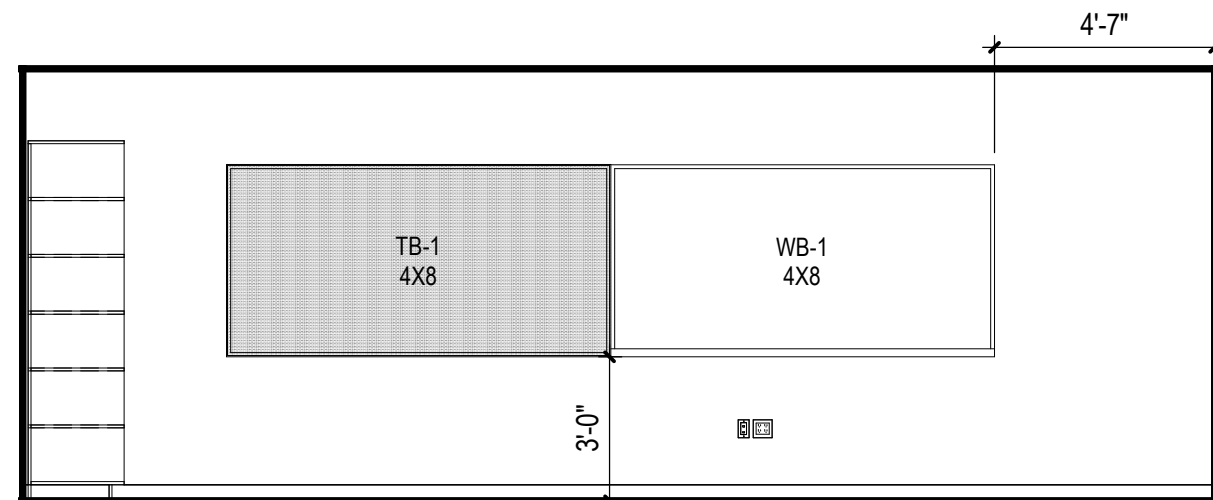
4D SPECIAL ED 107 - N
SCALE: 1/4" = 1'-0"



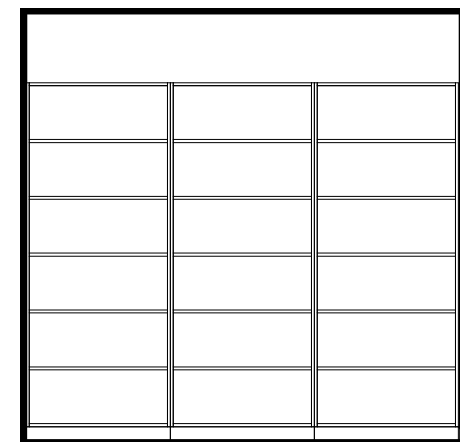
4C SPECIAL ED 107 - E
SCALE: 1/4" = 1'-0"



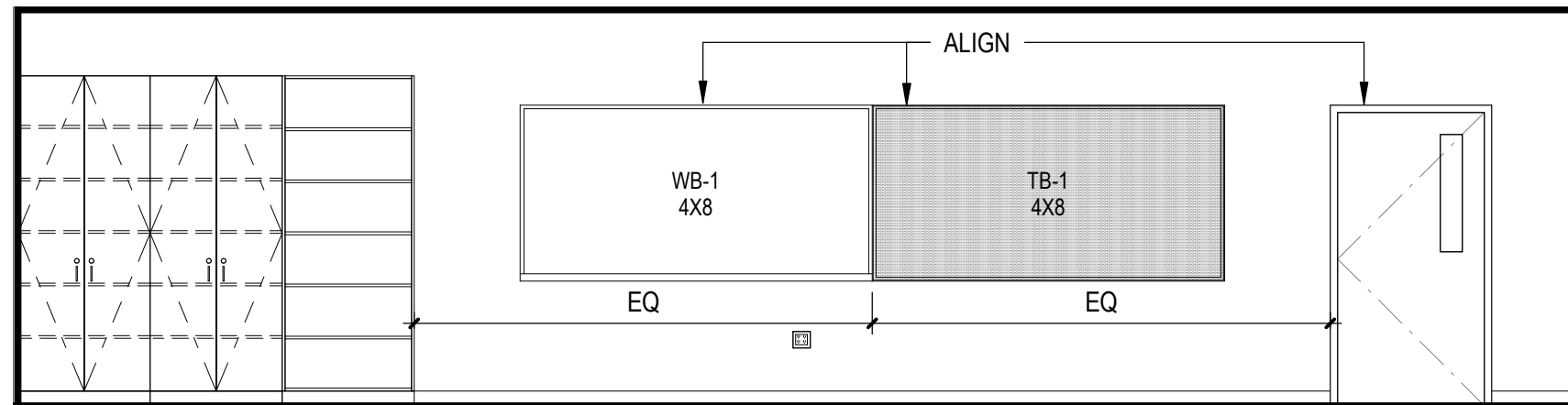
4B SPECIAL ED 107 - S
SCALE: 1/4" = 1'-0"



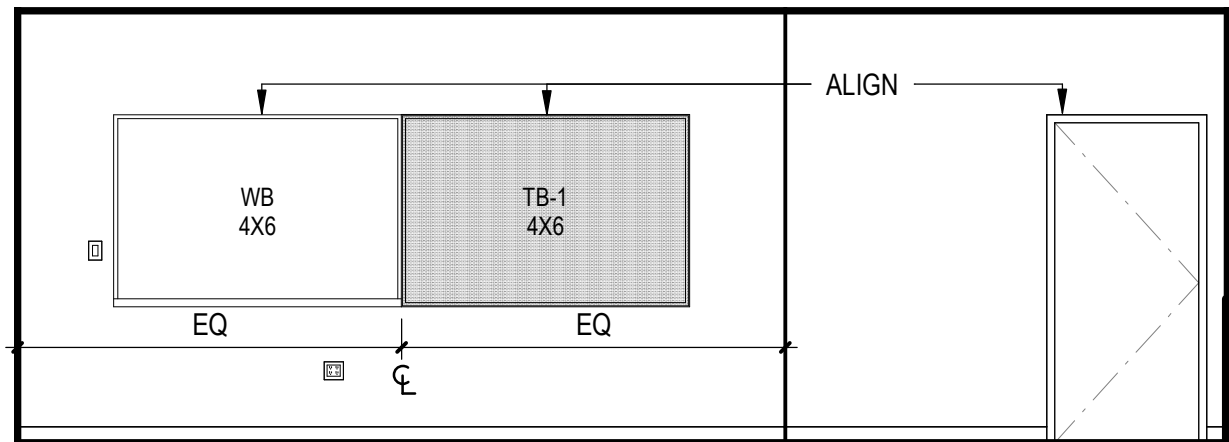
6A SPECIAL ED-LIFE SKILLS - W
SCALE: 1/4" = 1'-0"



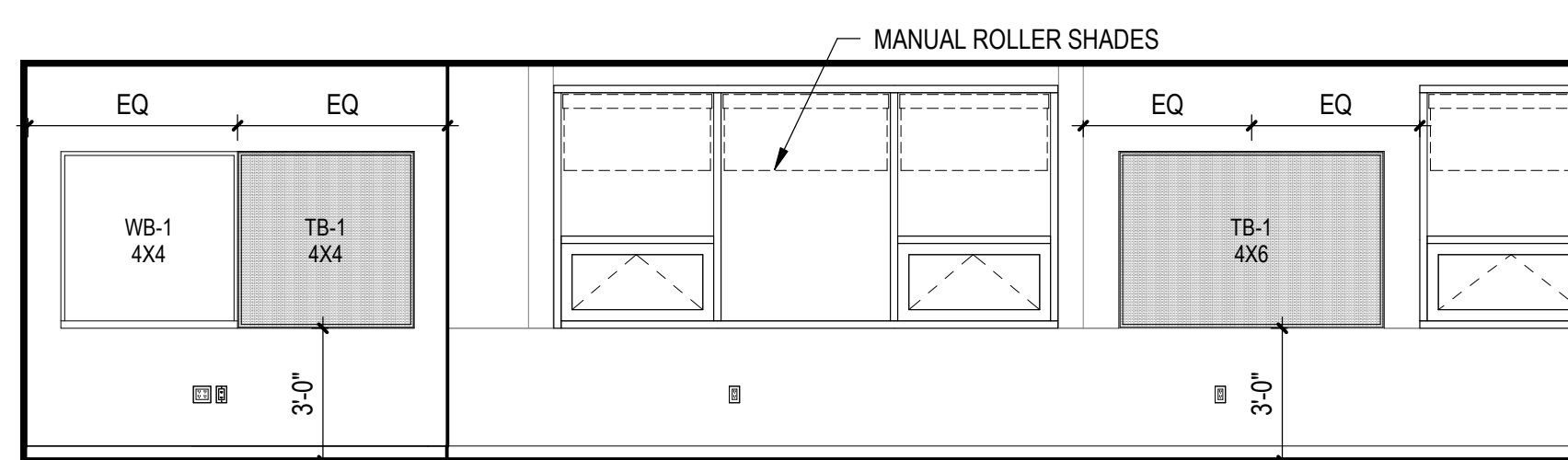
5E STORAGE 108A - N
SCALE: 1/4" = 1'-0"



5D SPECIAL ED 108 - N
SCALE: 1/4" = 1'-0"



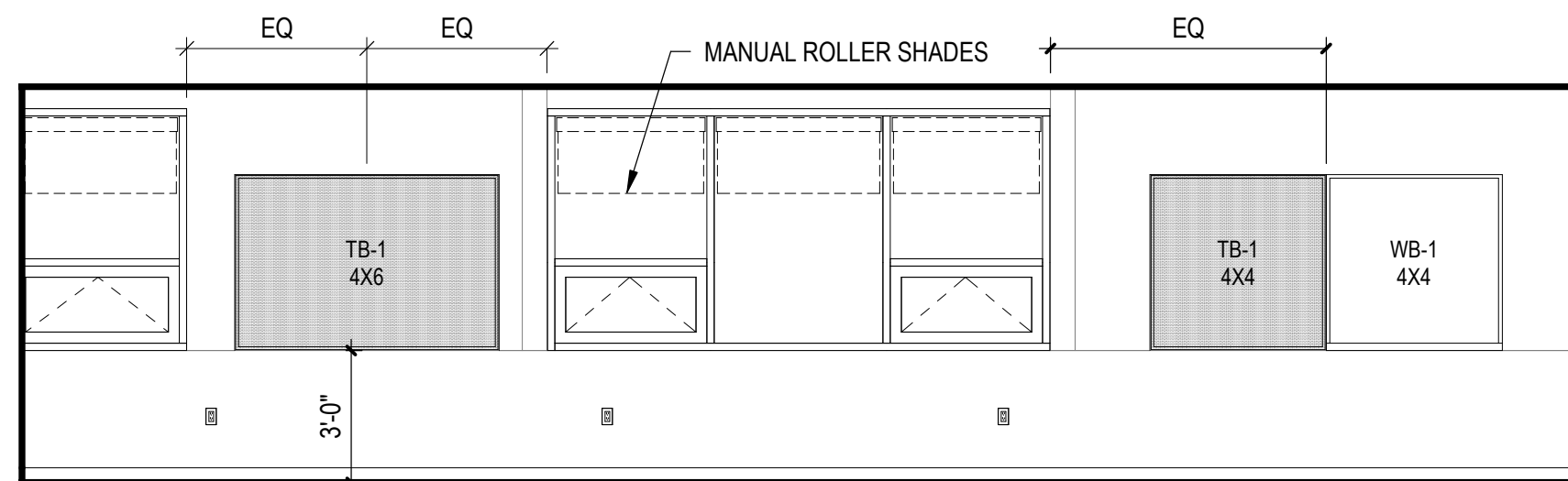
5C SPECIAL ED 108 - E
SCALE: 1/4" = 1'-0"



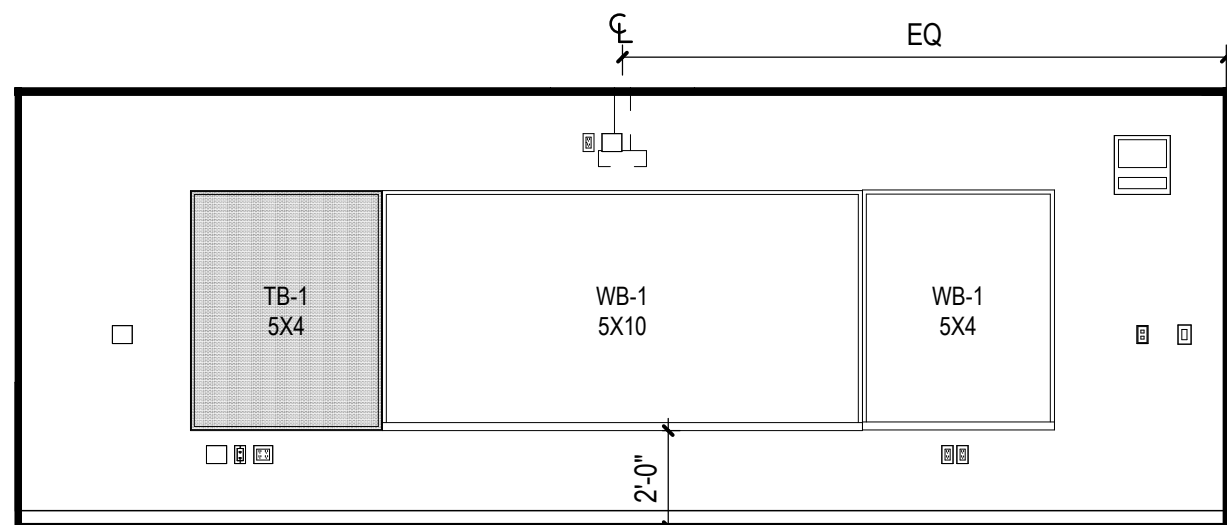
5B SPECIAL ED 108 - S
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

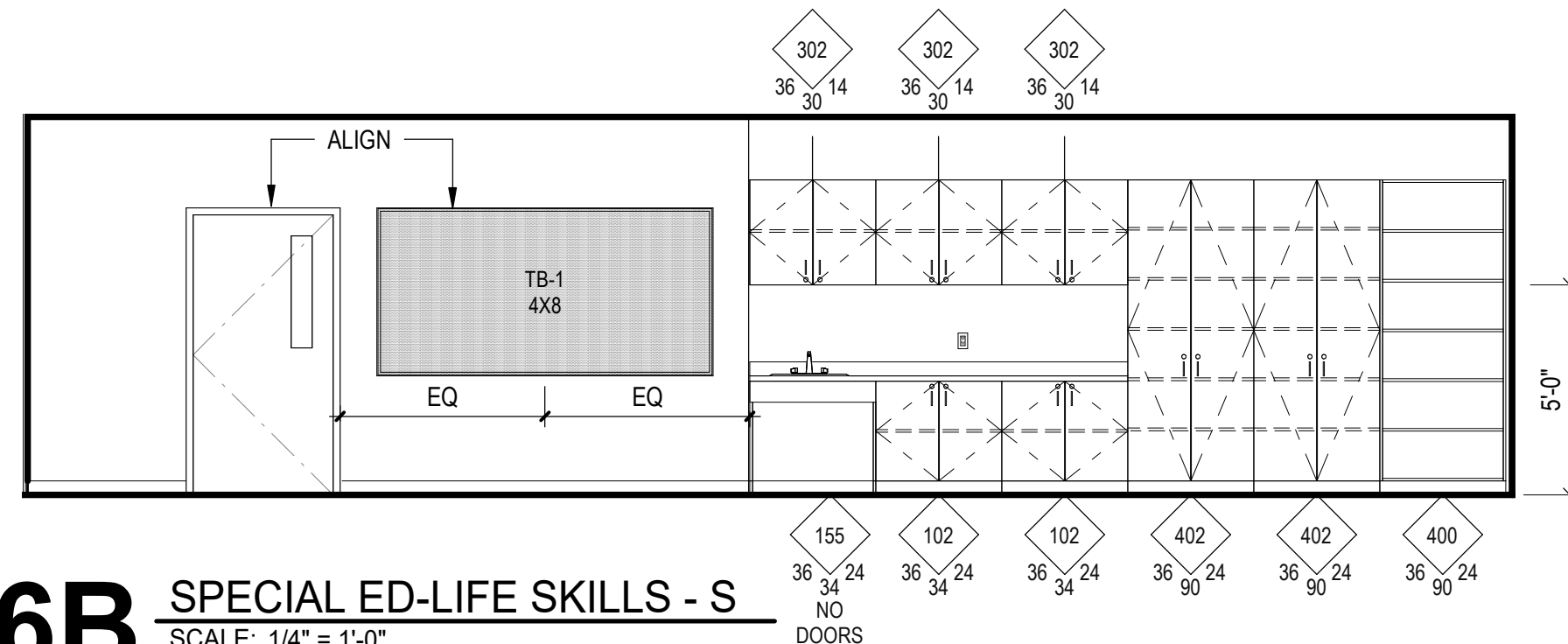
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- REFER TO A632 FOR SILL FINISHING.
- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



6D SPECIAL ED-LIFE SKILLS - N
SCALE: 1/4" = 1'-0"



6C SPECIAL ED-LIFE SKILLS - E
SCALE: 1/4" = 1'-0"



6B SPECIAL ED-LIFE SKILLS - S
SCALE: 1/4" = 1'-0"

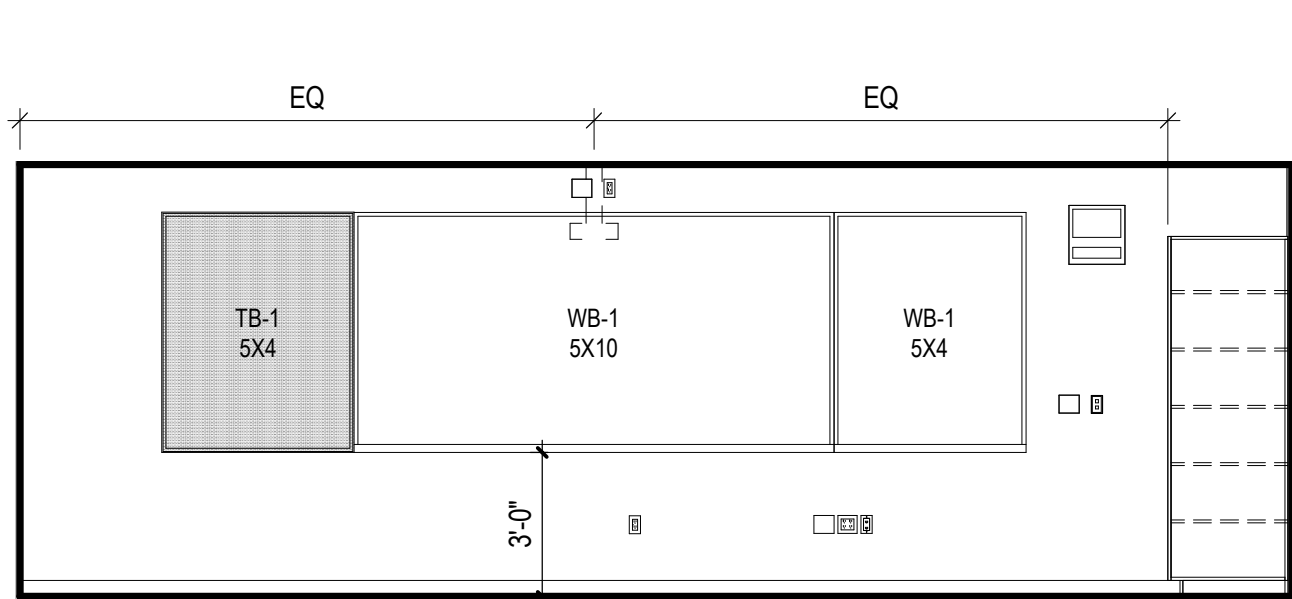
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

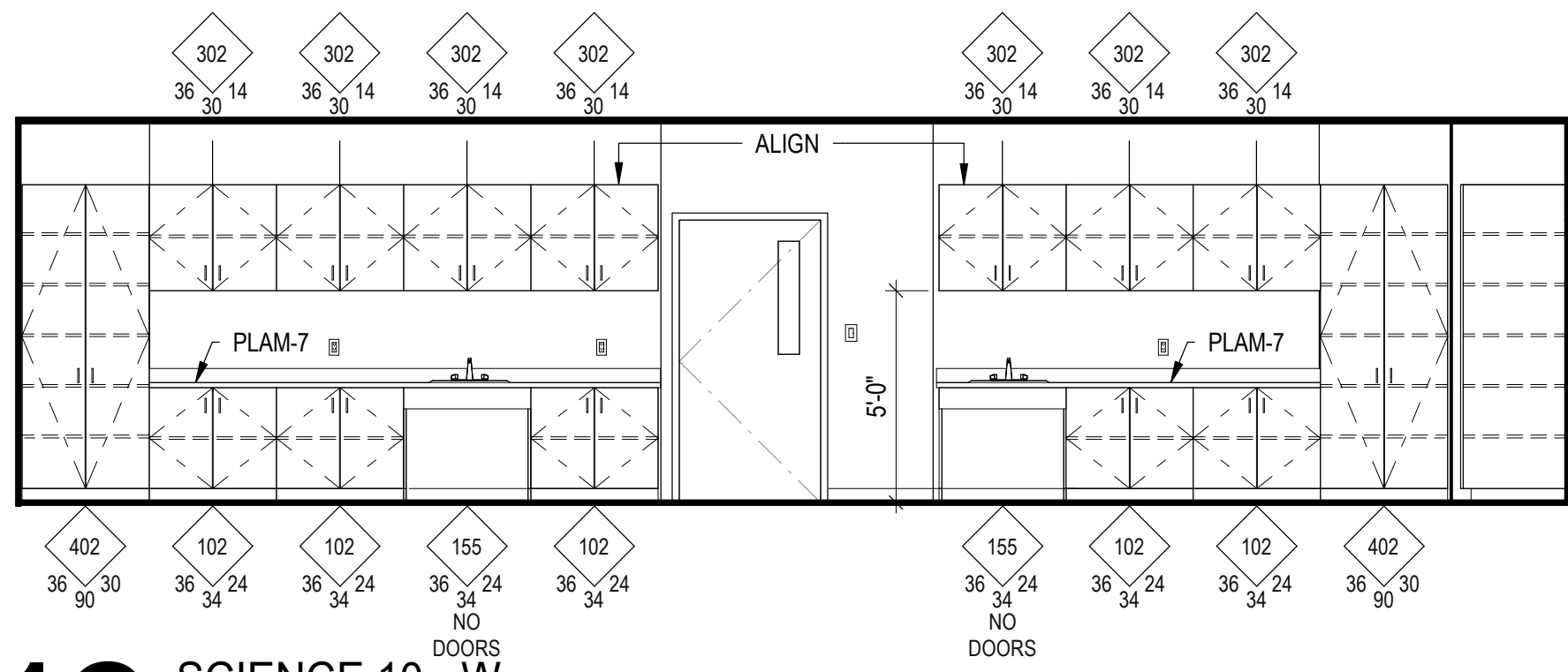
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SS
Checked by:	SS
Revisions	
#	Date Description

INTERIOR
ELEVATIONS -
LEARNING
SPACES

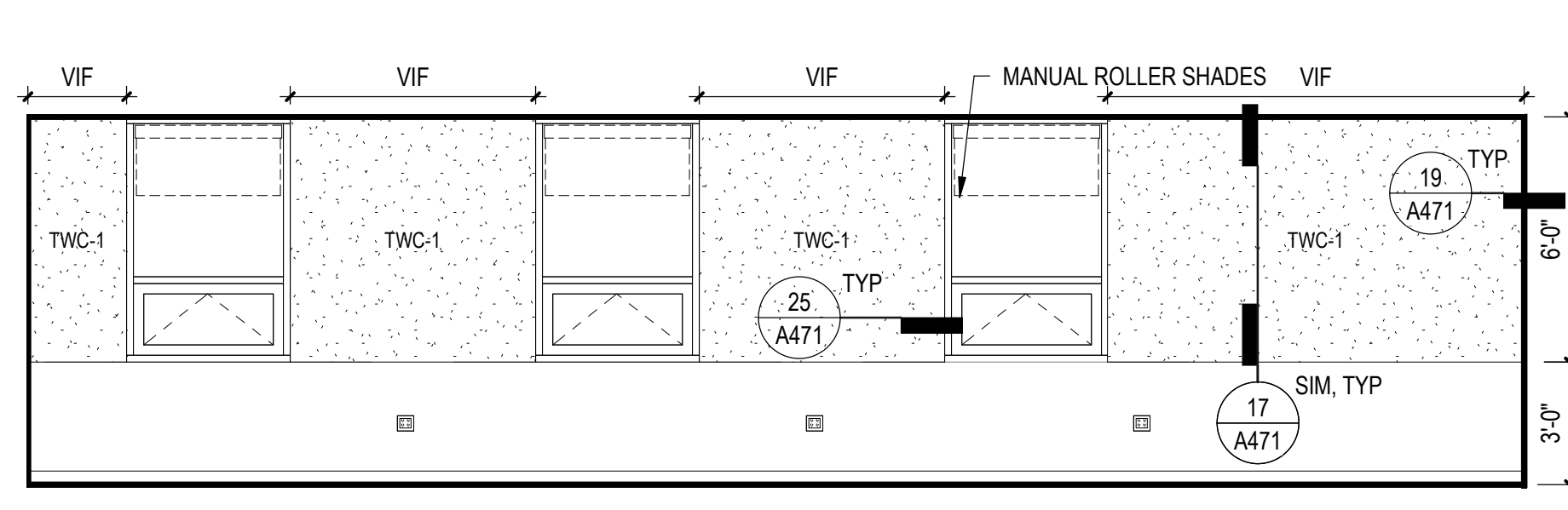
A457



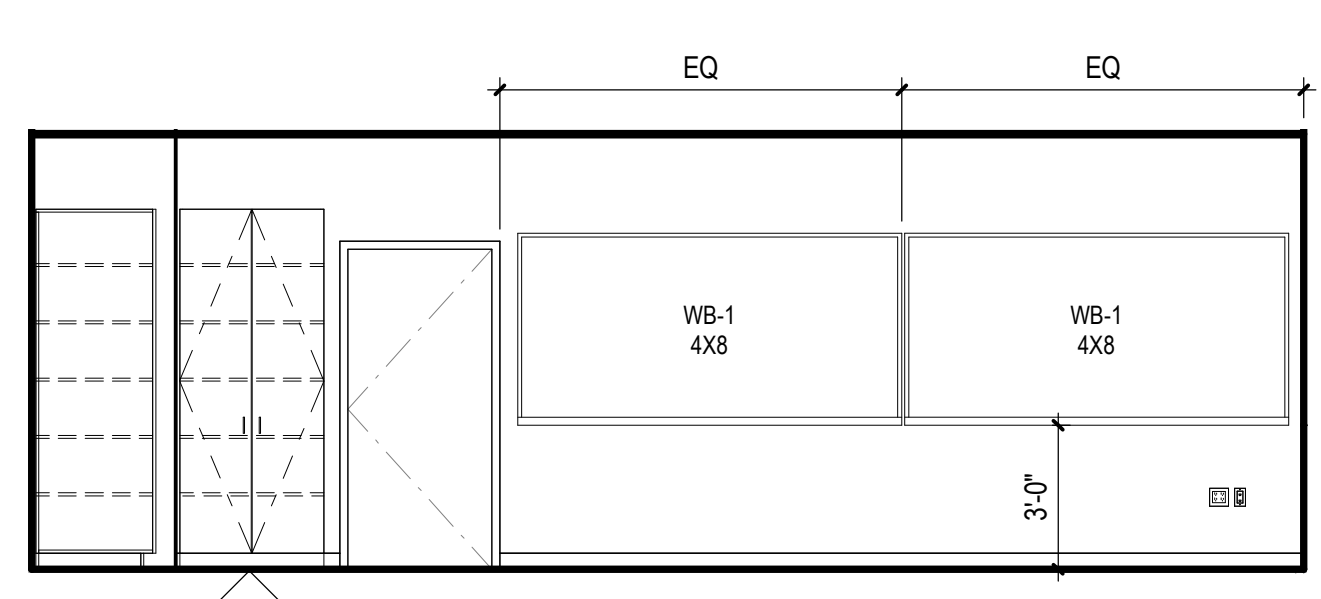
1D SCIENCE 101 - S
SCALE: 1/4" = 1'-0"



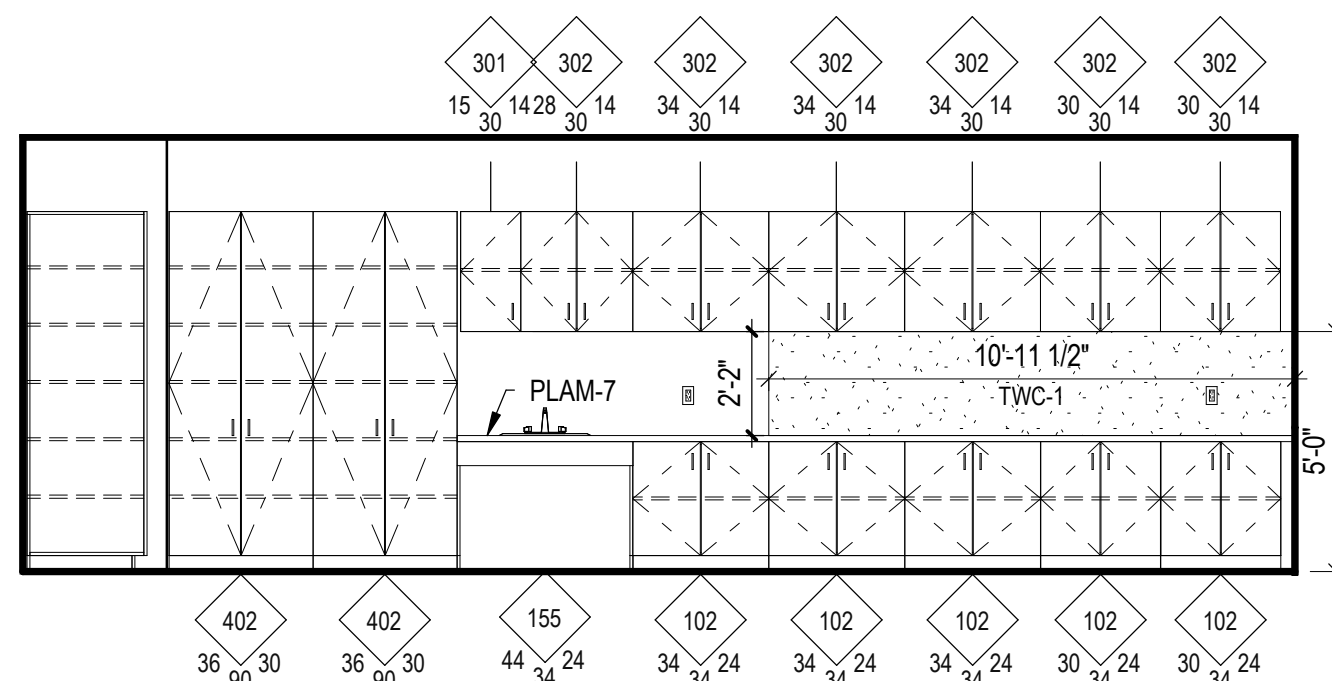
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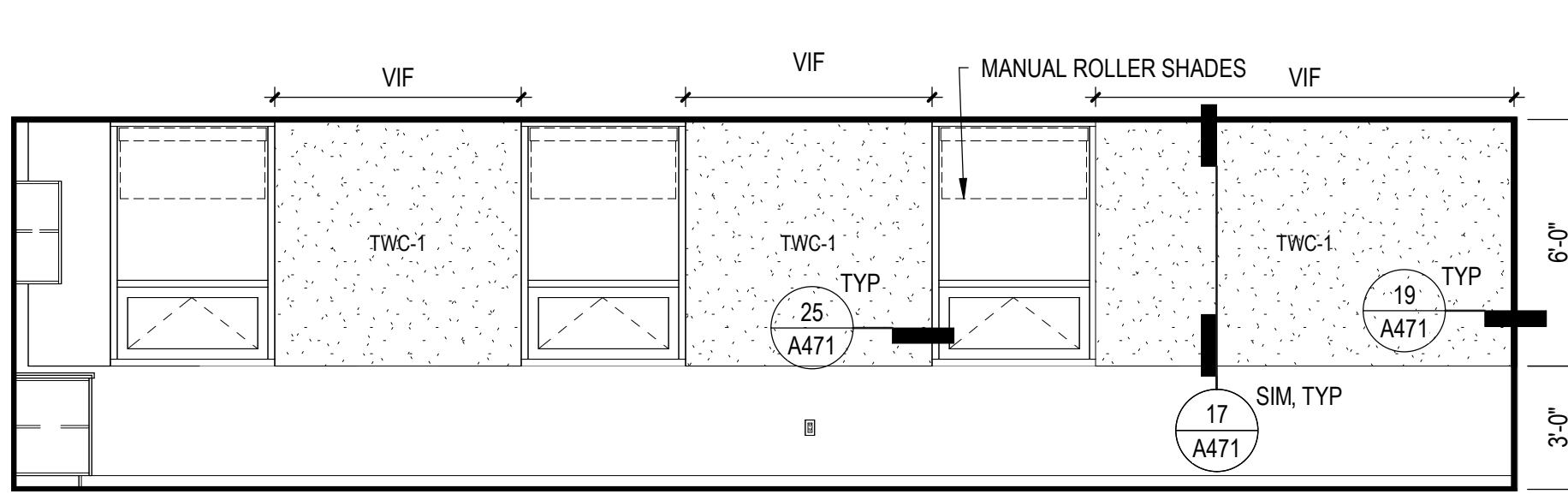
1B SCIENCE 101 - E
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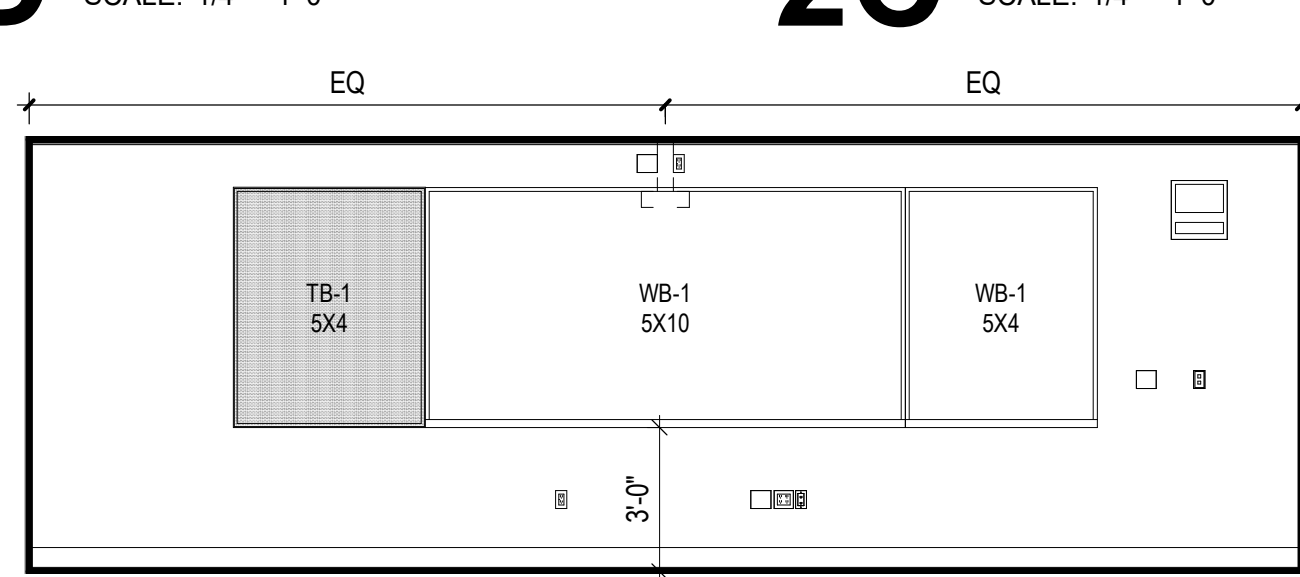
1A SCIENCE 101 - N
SCALE: 1/4" = 1'-0"



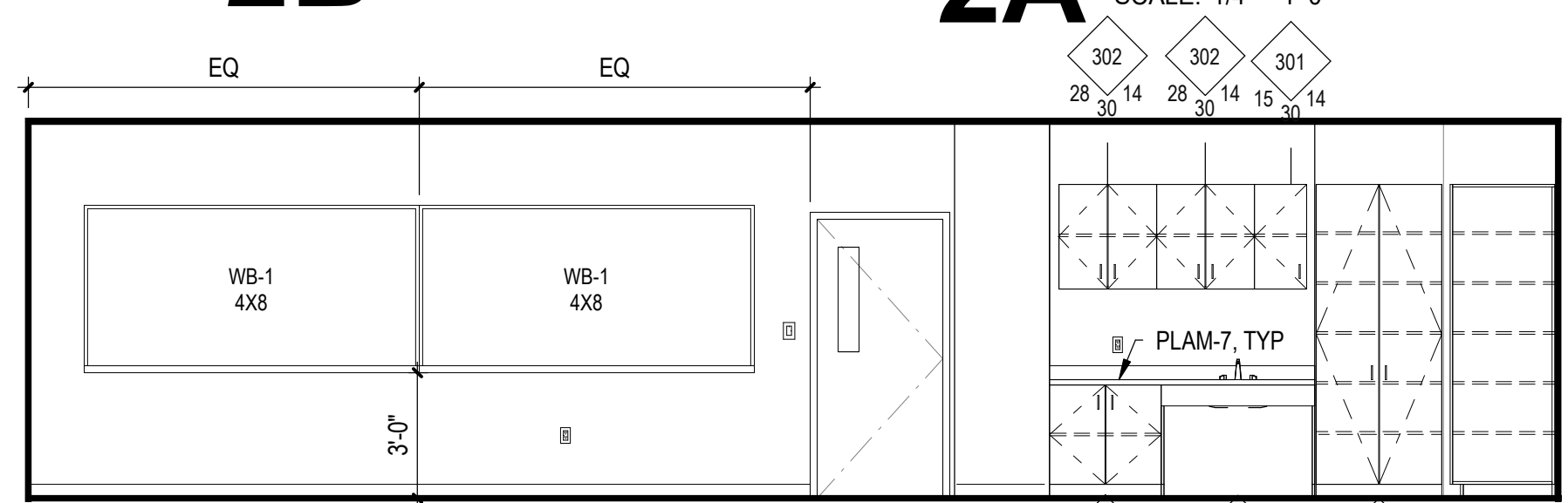
3D SCIENCE 201 - N
SCALE: 1/4" = 1'-0"



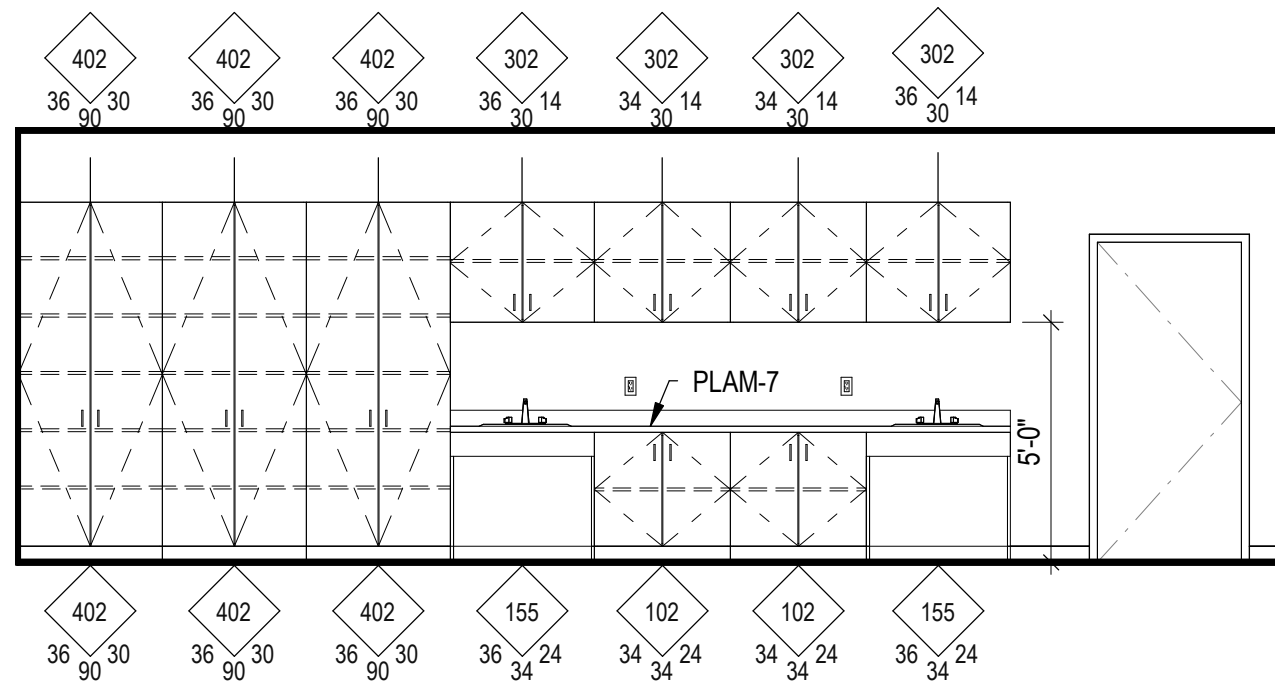
3C SCIENCE 201 - E
SCALE: 1/4" = 1'-0"



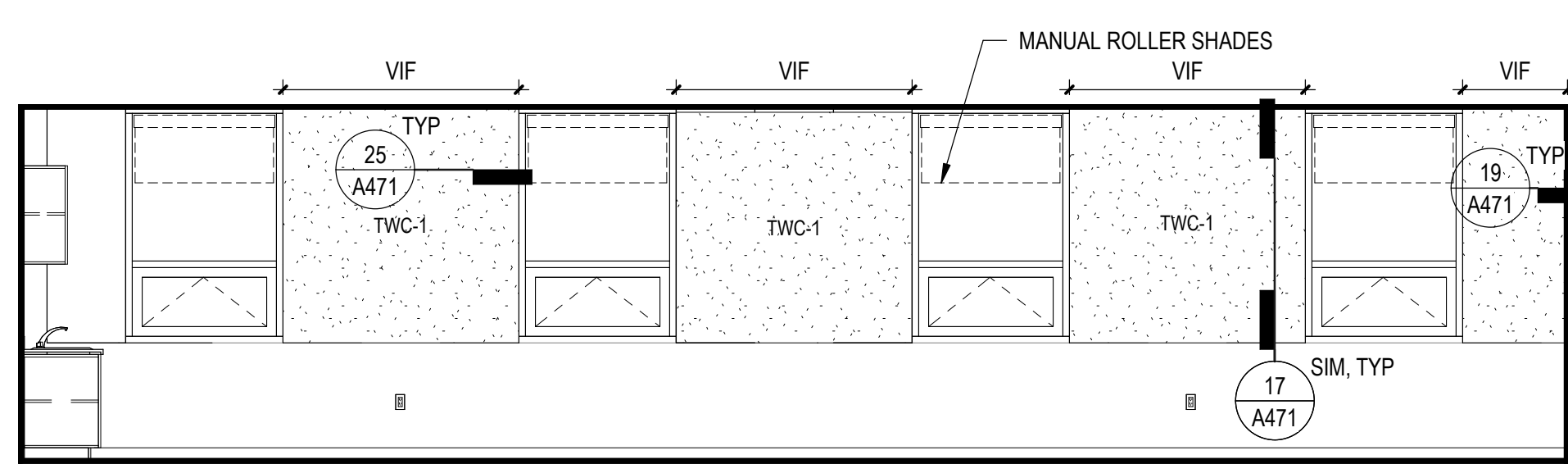
3B SCIENCE 201 - S
SCALE: 1/4" = 1'-0"



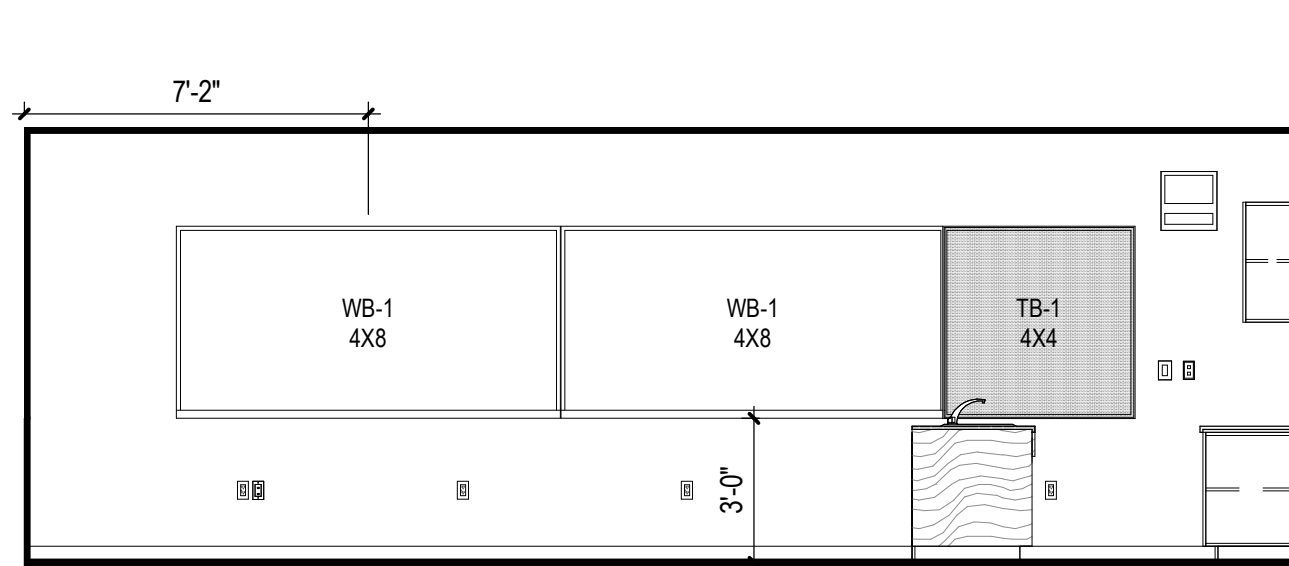
3A SCIENCE 201 - W
SCALE: 1/4" = 1'-0"



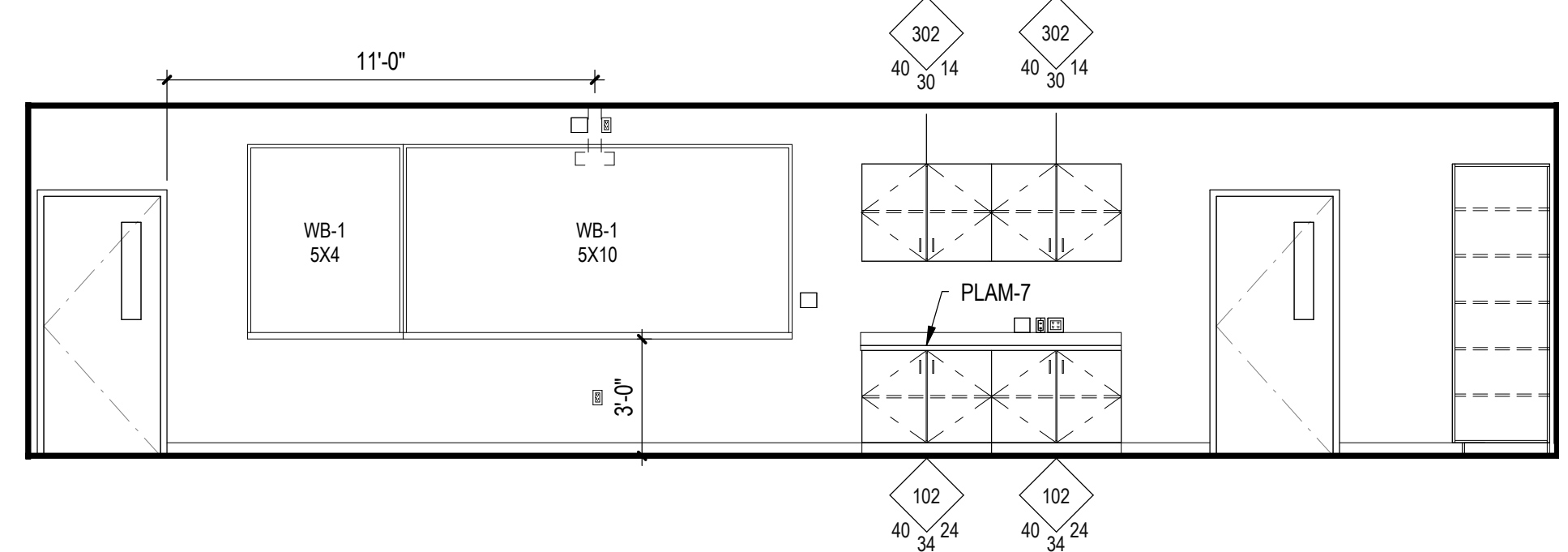
4D SCIENCE 202 - N
SCALE: 1/4" = 1'-0"



4C SCIENCE 202 - E
SCALE: 1/4" = 1'-0"



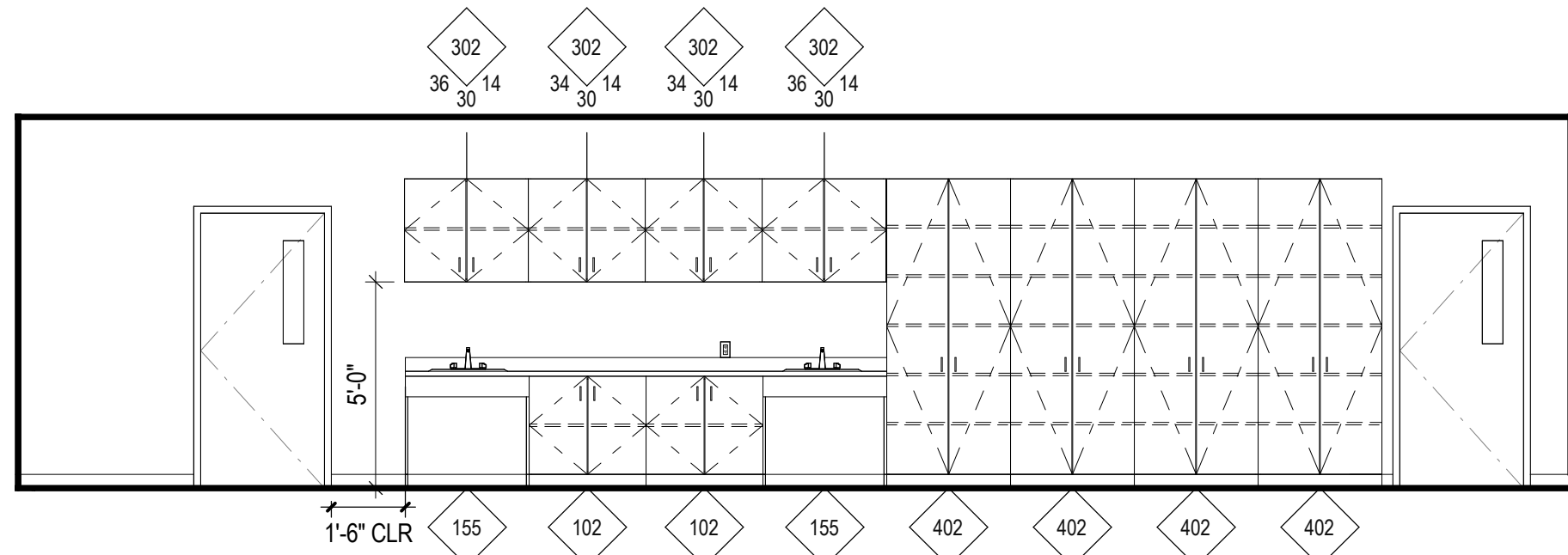
4B SCIENCE 202 - S
SCALE: 1/4" = 1'-0"



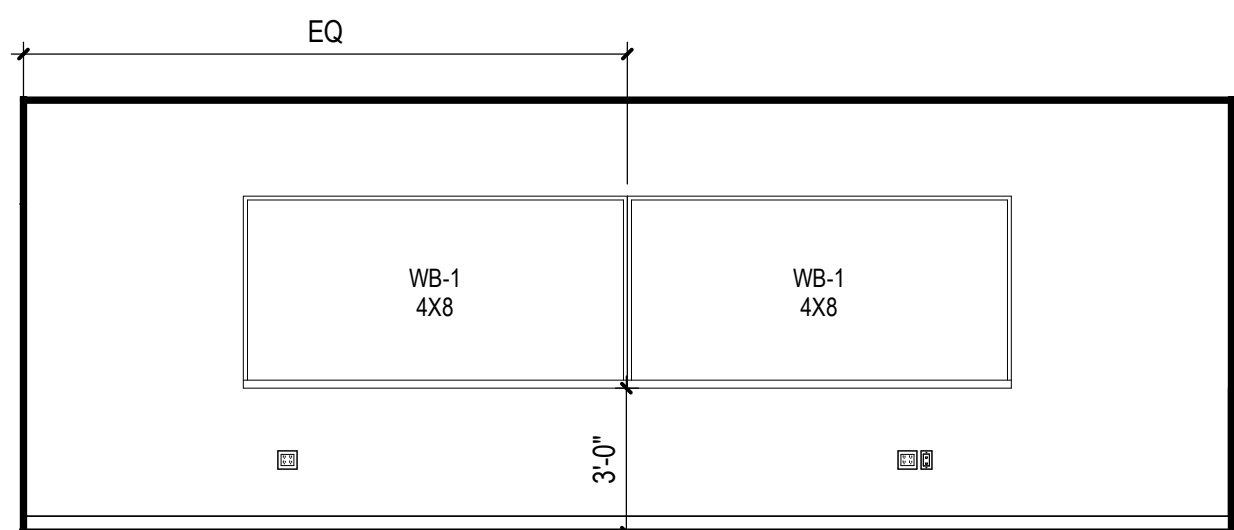
4A SCIENCE 202 - W
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

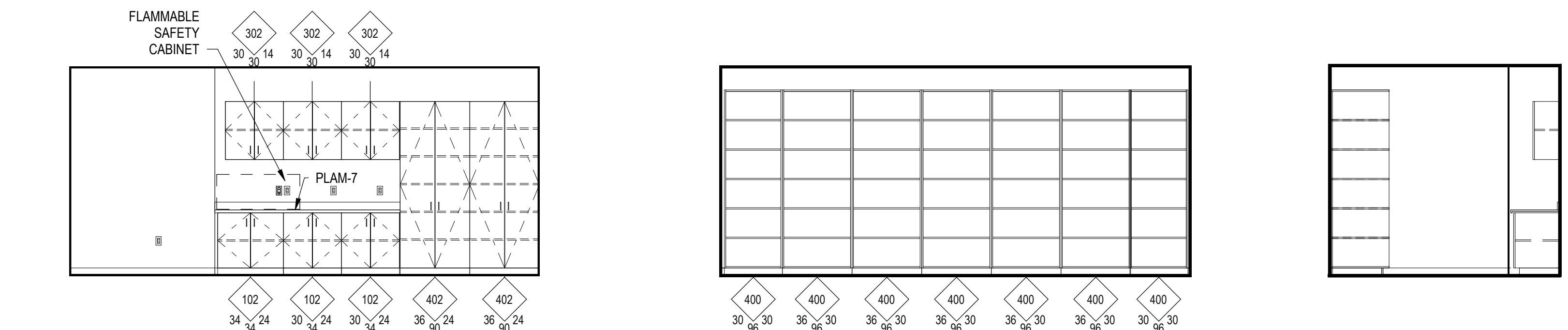
1. FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
2. ALL GWB, SGWB, VENEER PLASTER AND (E) PCP TO BE PAINTED P-1, UNO.
3. ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
4. FOR CEILING HEIGHT INFORMATION REFER TO REFLECTED CEILING PLANS.
5. ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT.
6. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
7. VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
8. ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE APPLIED UP TO 8'-0".
9. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
10. REFER TO A411 FOR TYPICAL MOUNTING HEIGHTS LEGEND.
11. FOR ALL WALL MOUNTED ITEMS NOT SHOWN ON INTERIOR ELEVATIONS, COORDINATE WITH ARCHITECTS PRIOR TO INSTALLATION.
12. REFER TO FLOOR PLANS FOR EXACT WINDOW LOCATION AND WALL DIMENSIONS.
13. INSTALL WALL BASE ON ALL WALLS, EXCLUDING BRICK UNO.
14. DEVICES, EQUIPMENT & FIXTURES SHOWN FOR LOCATION COORDINATION REFER TO MECHANICAL, ELECTRICAL & TELECOM DRAWINGS FOR SYSTEM DESIGN & DETAIL.
15. REFER TO A632 FOR SILL FINISHING.
16. REFER TO A451 FOR CASEWORK LEGEND.
17. PROVIDE FILLER PANELS AT ALL LOCATIONS.



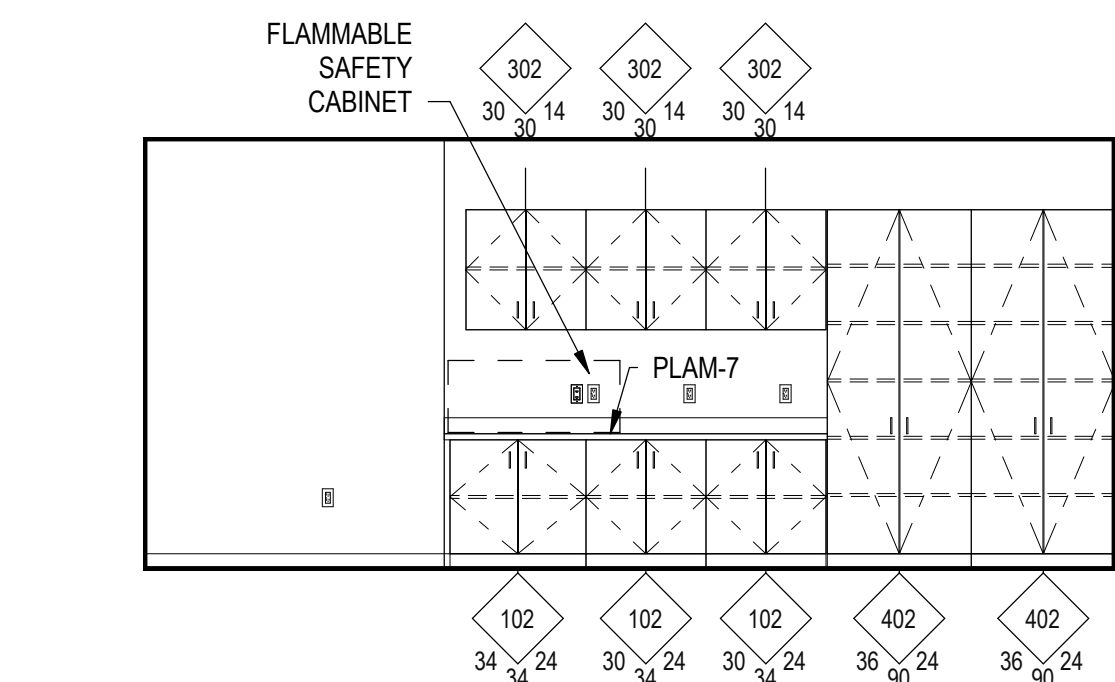
6D SCIENCE 203 - N
SCALE: 1/4" = 1'-0"



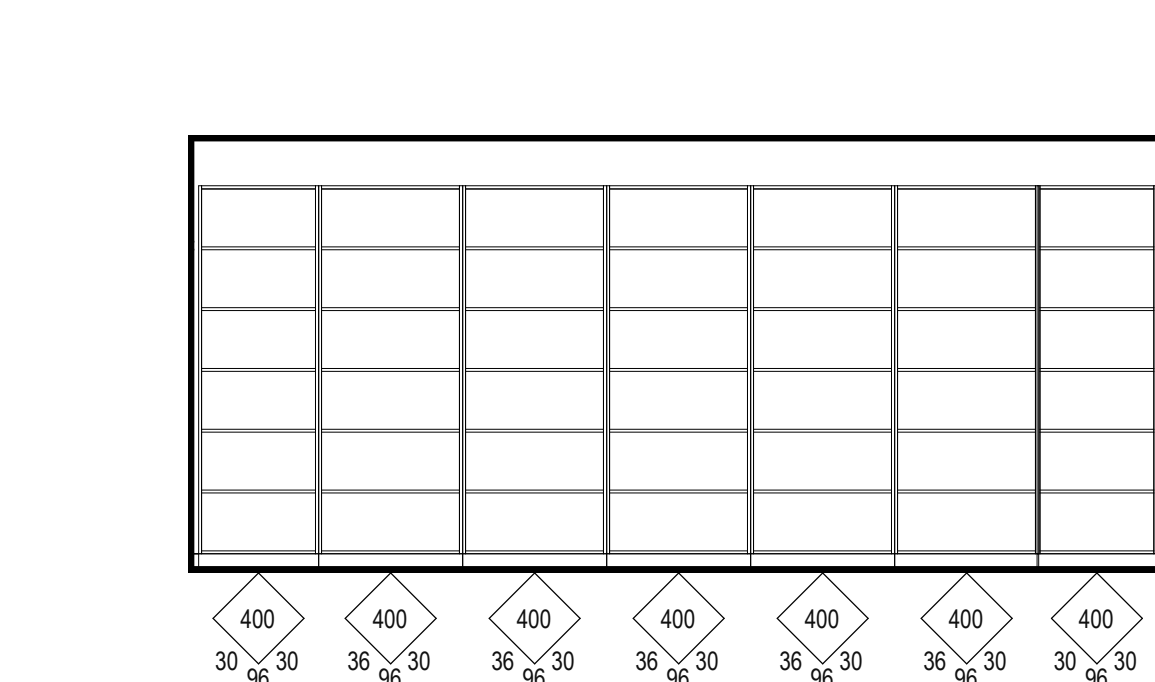
6C SCIENCE 203 - E
SCALE: 1/4" = 1'-0"



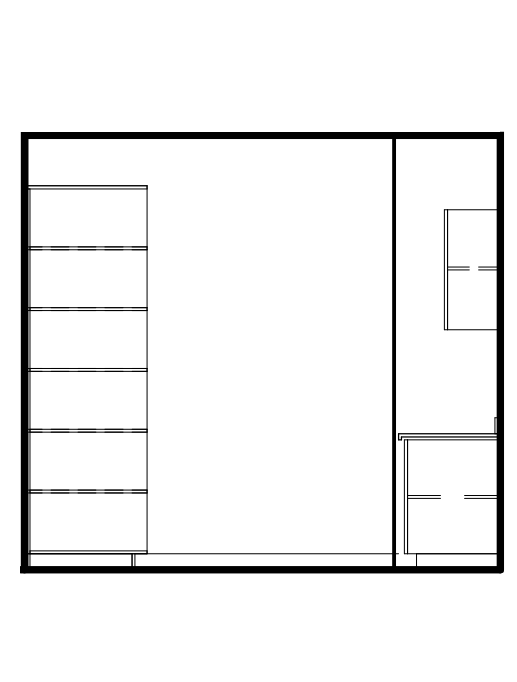
5D SCIENCE PREP - E
SCALE: 1/4" = 1'-0"



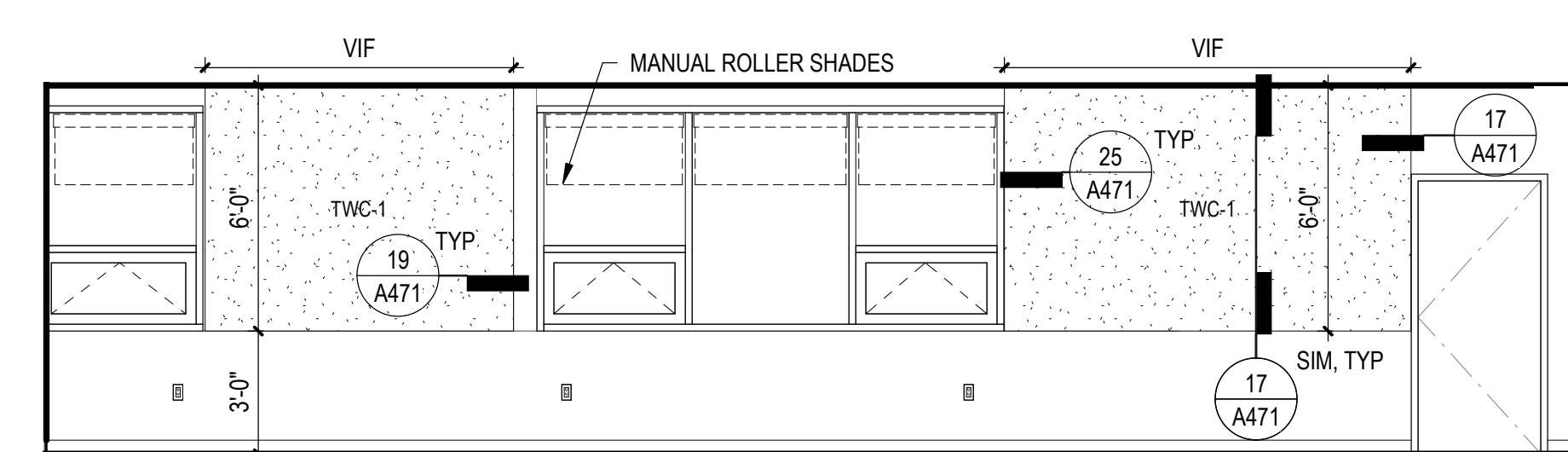
5C SCIENCE PREP - N
SCALE: 1/4" = 1'-0"



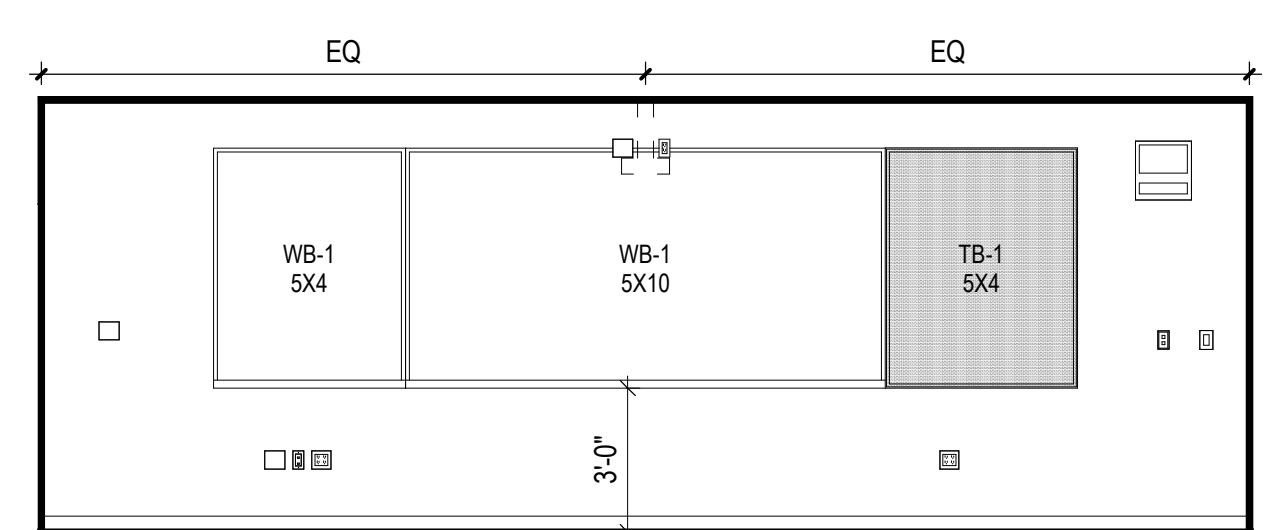
5B SCIENCE PREP - S
SCALE: 1/4" = 1'-0"



5A SCIENCE PREP - W
SCALE: 1/4" = 1'-0"



6B SCIENCE 203 - S
SCALE: 1/4" = 1'-0"



6A SCIENCE 203 - W
SCALE: 1/4" = 1'-0"

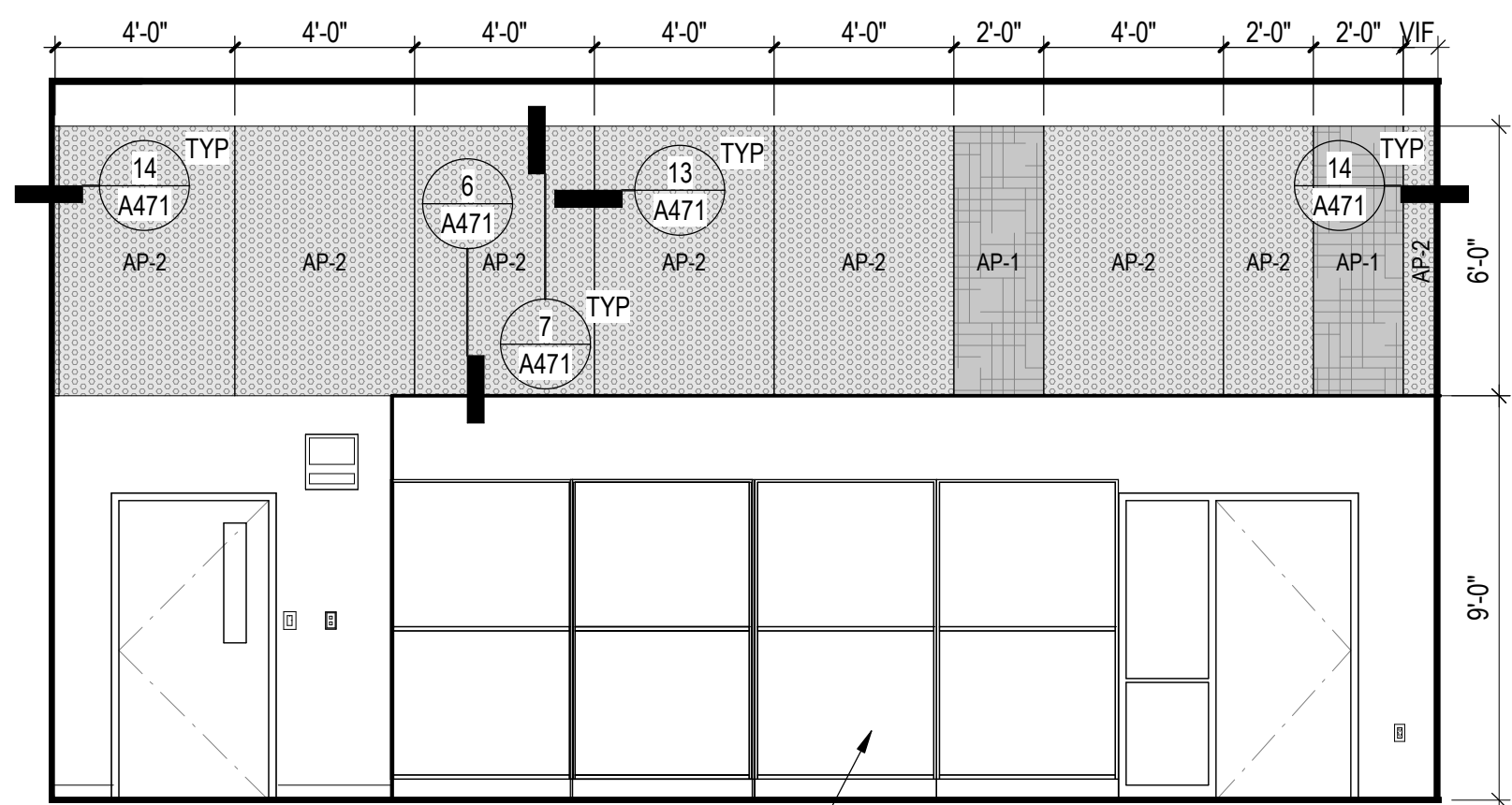
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

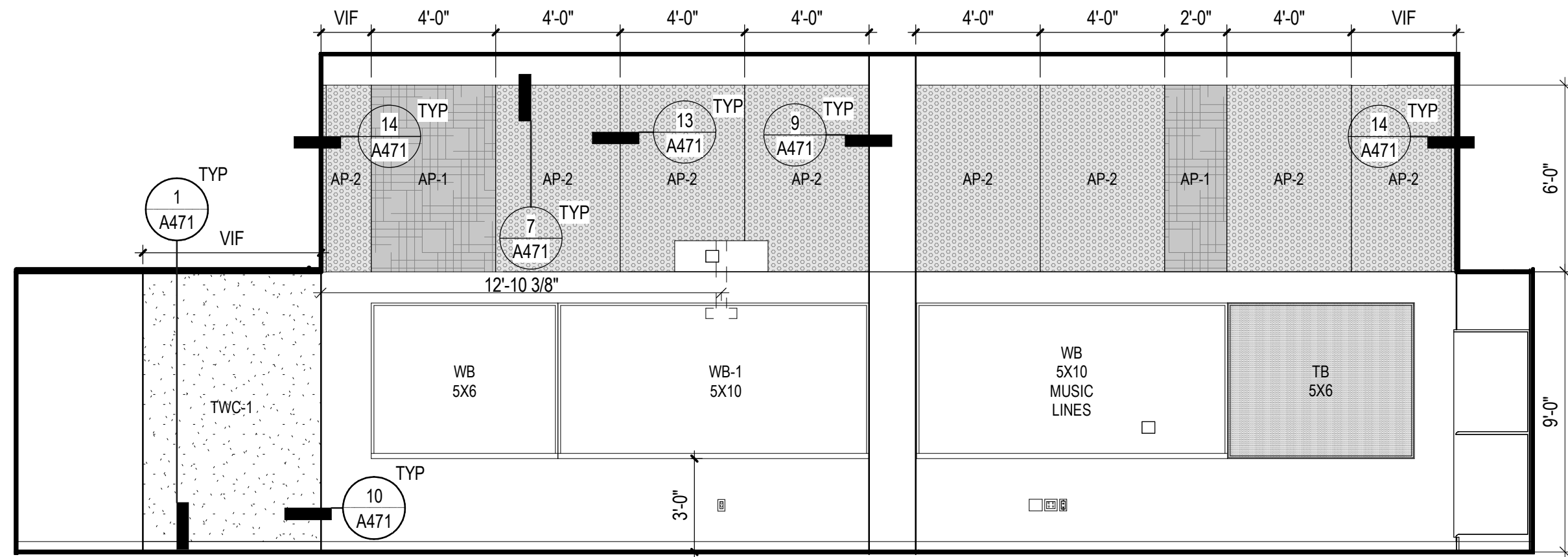
Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	SQ	
Checked by:	SS	
Revisions		
#	Date	Description

INTERIOR
ELEVATIONS -
LEARNING
SPACES

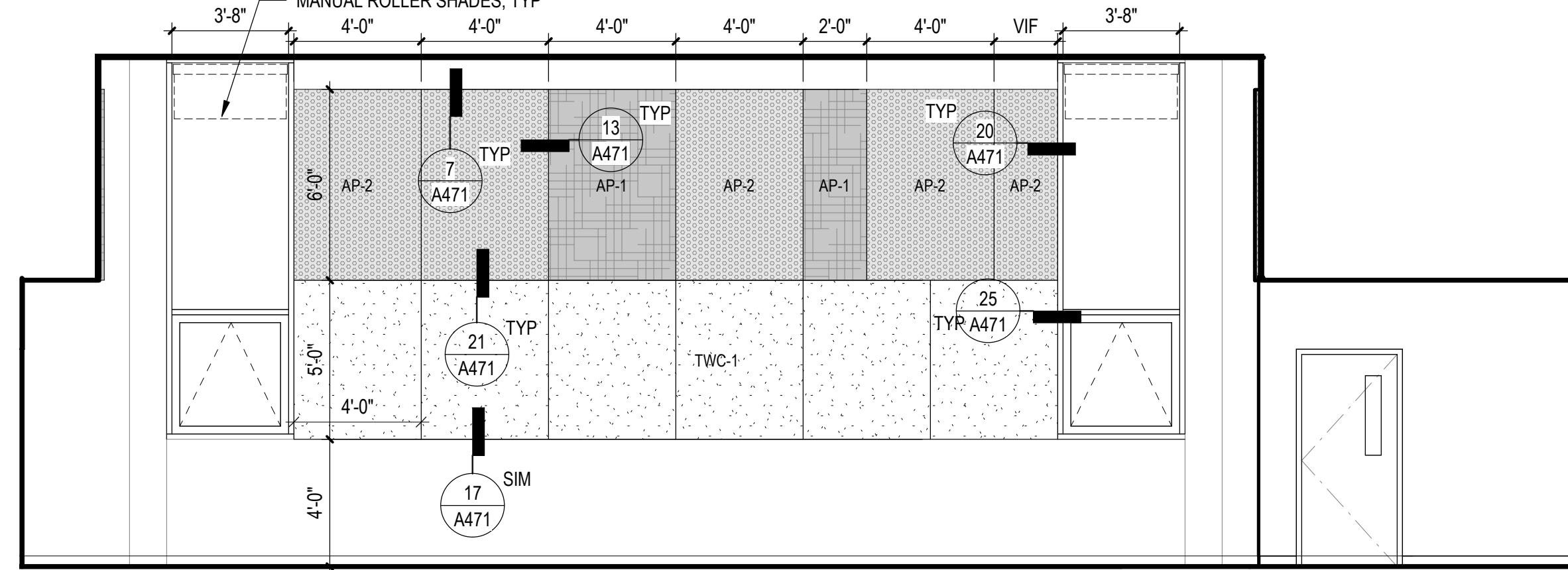
A458



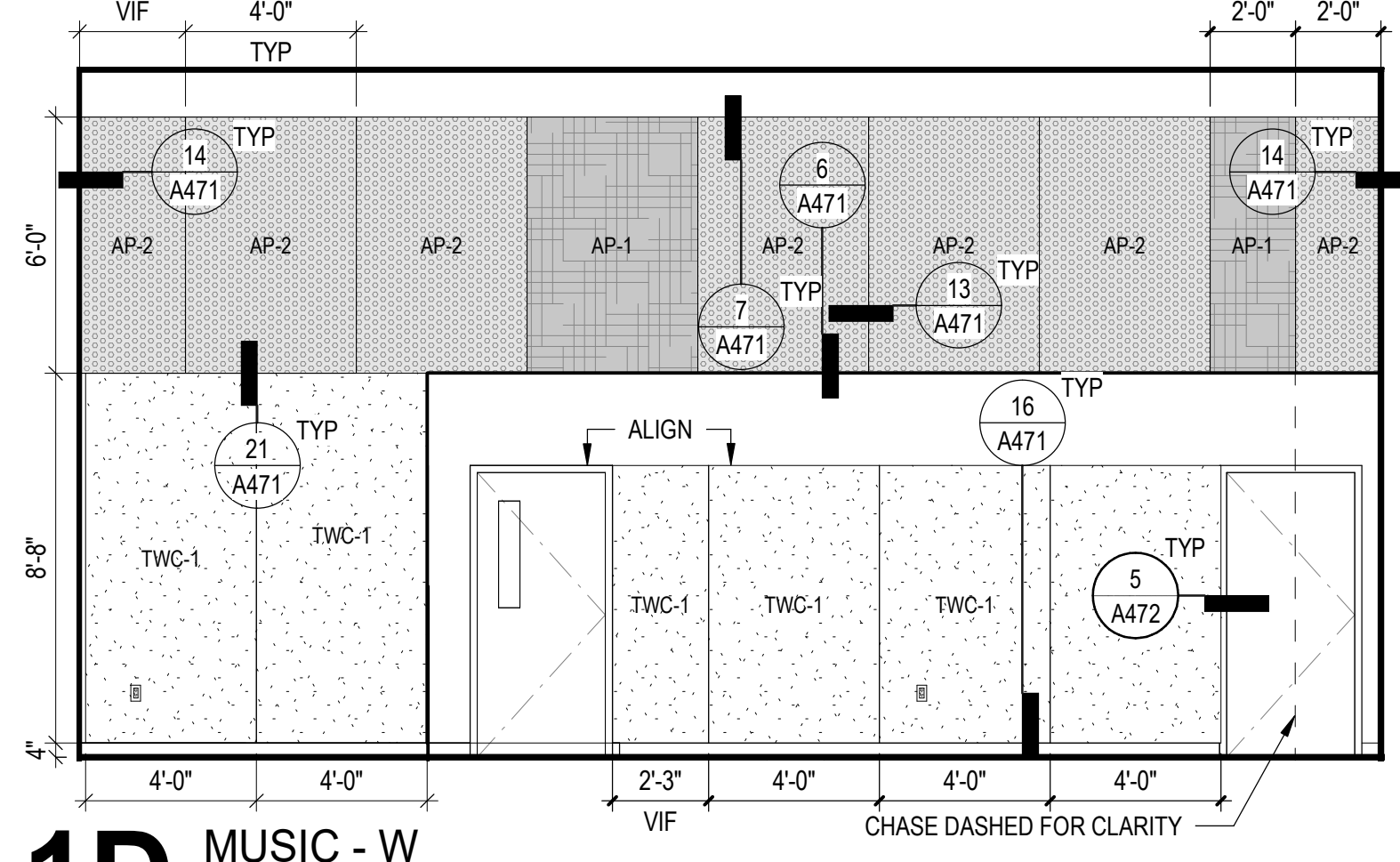
1B MUSIC - E
SCALE: 1/4" = 1'-0"



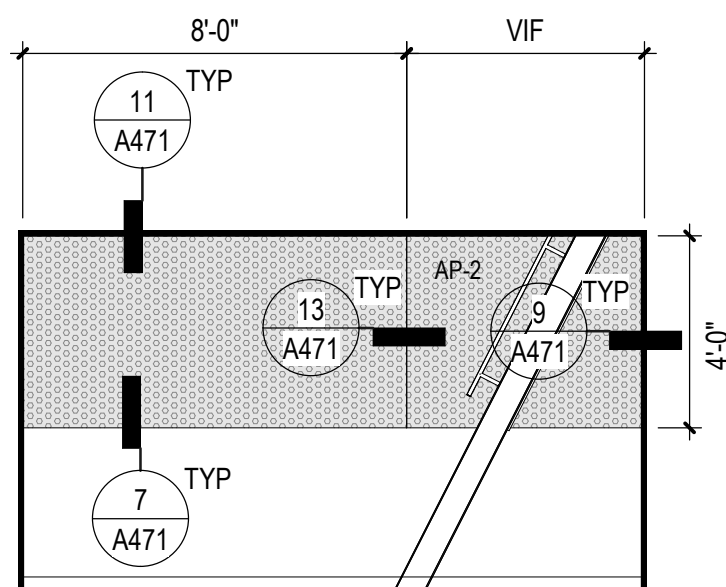
1C MUSIC - N
SCALE: 1/4" = 1'-0"



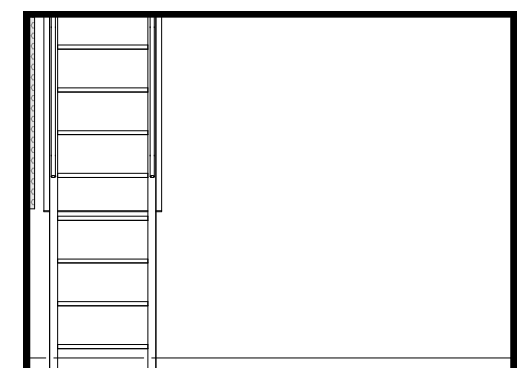
1A MUSIC - S
SCALE: 1/4" = 1'-0"



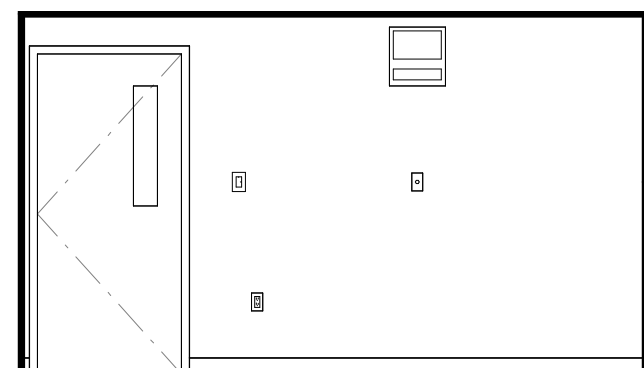
1D MUSIC - W
SCALE: 1/4" = 1'-0"



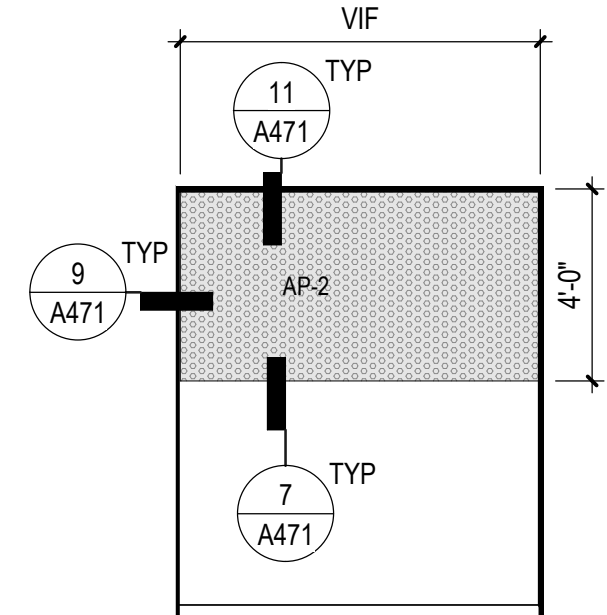
3C LG PRACTICE - W 2
SCALE: 1/4" = 1'-0"



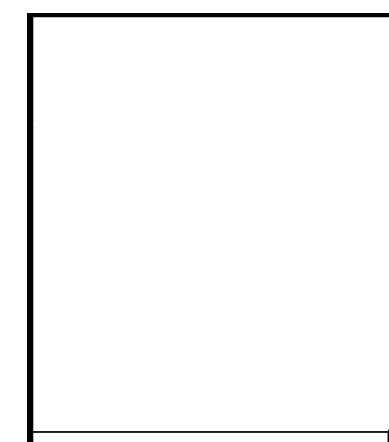
3B LG PRACTICE - N
SCALE: 1/4" = 1'-0"



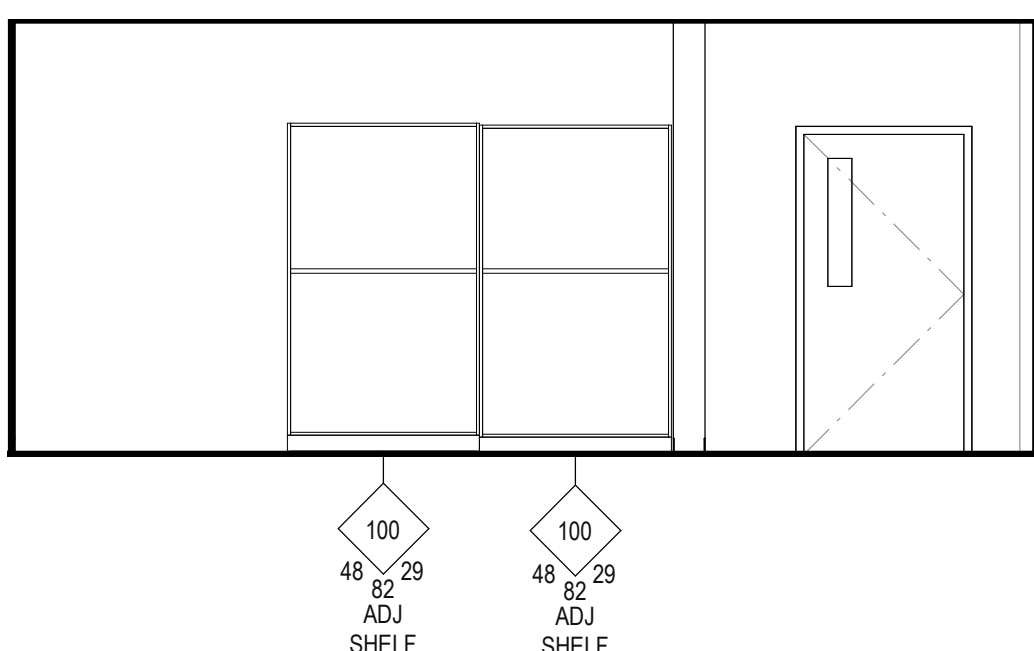
3A LG PRACTICE - E
SCALE: 1/4" = 1'-0"



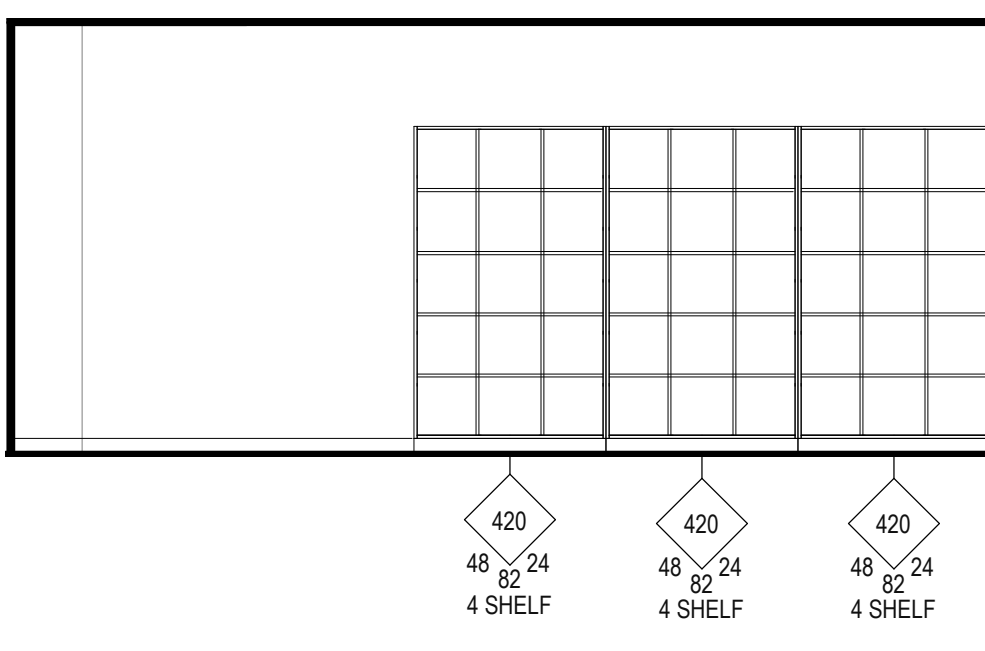
2B SM. PRACTICE - W
SCALE: 1/4" = 1'-0"



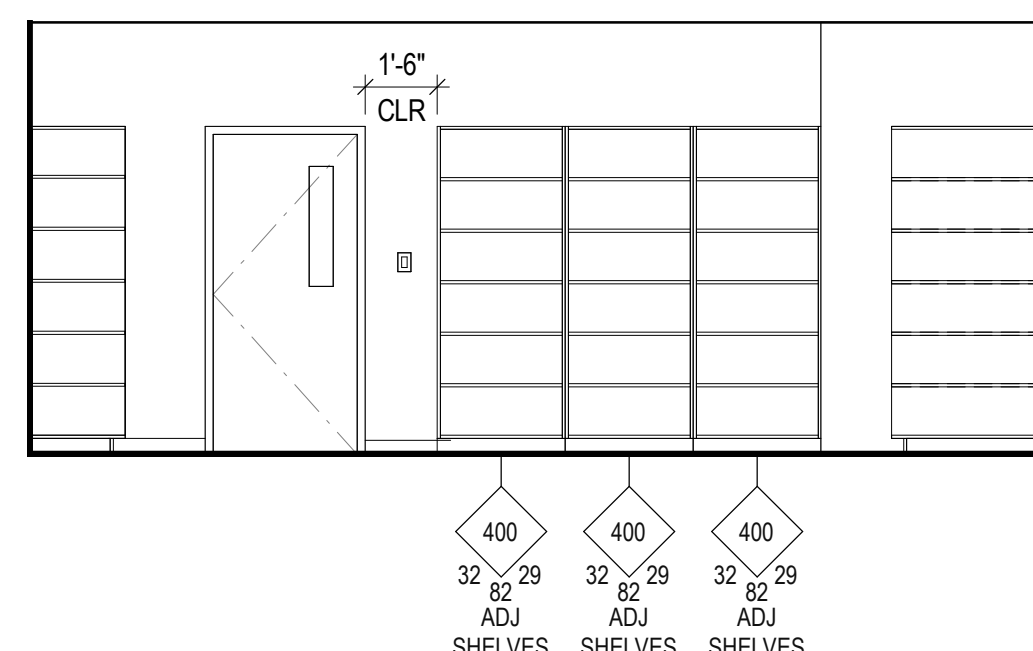
2A SM. PRACTICE - E
SCALE: 1/4" = 1'-0"



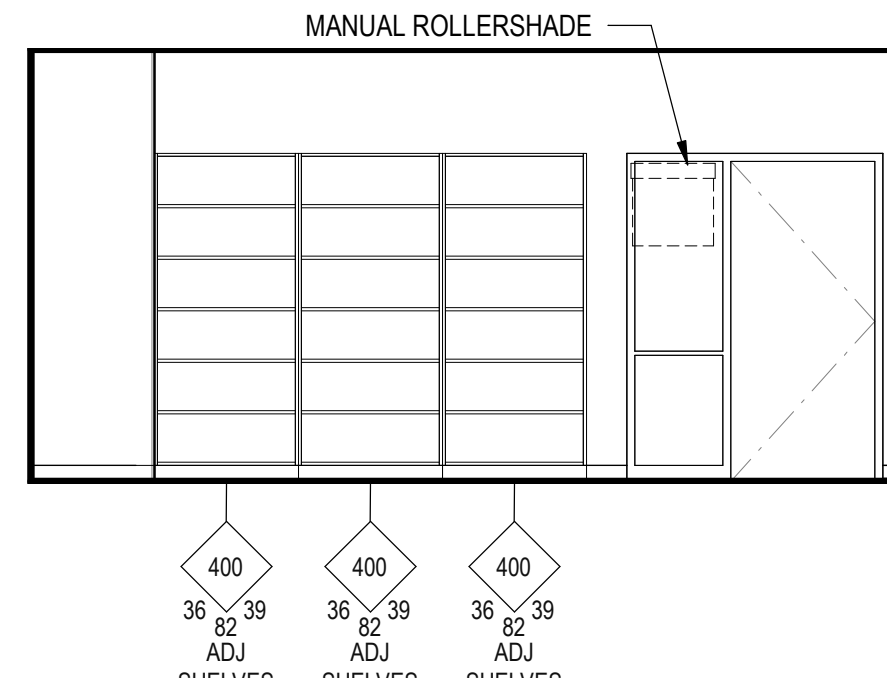
4D INSTRUMENT VESTIBULE - W
SCALE: 1/4" = 1'-0"



4C INSTRUMENT VESTIBULE - N
SCALE: 1/4" = 1'-0"



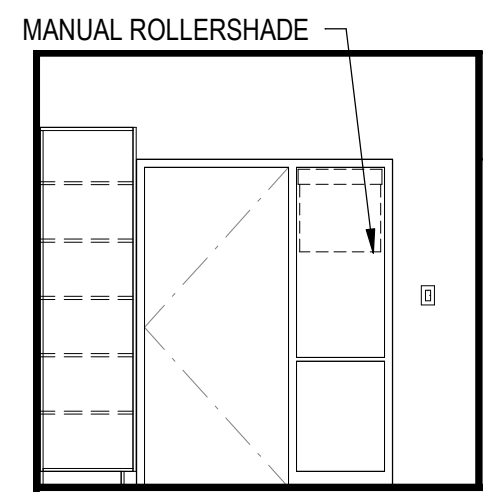
4B INSTRUMENT VESTIBULE - E
SCALE: 1/4" = 1'-0"



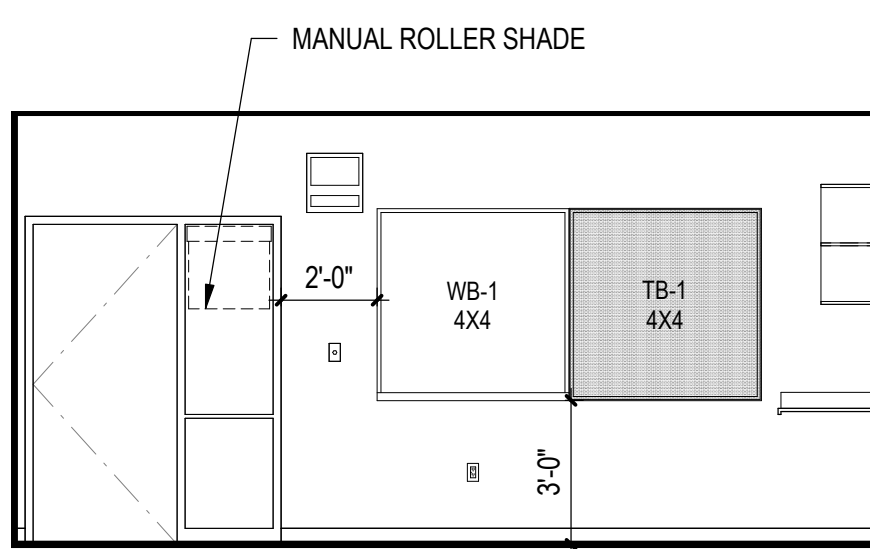
4A INSTRUMENT VESTIBULE - S
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

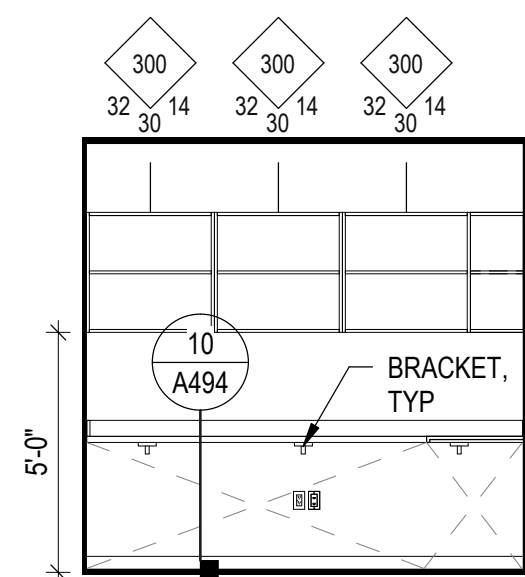
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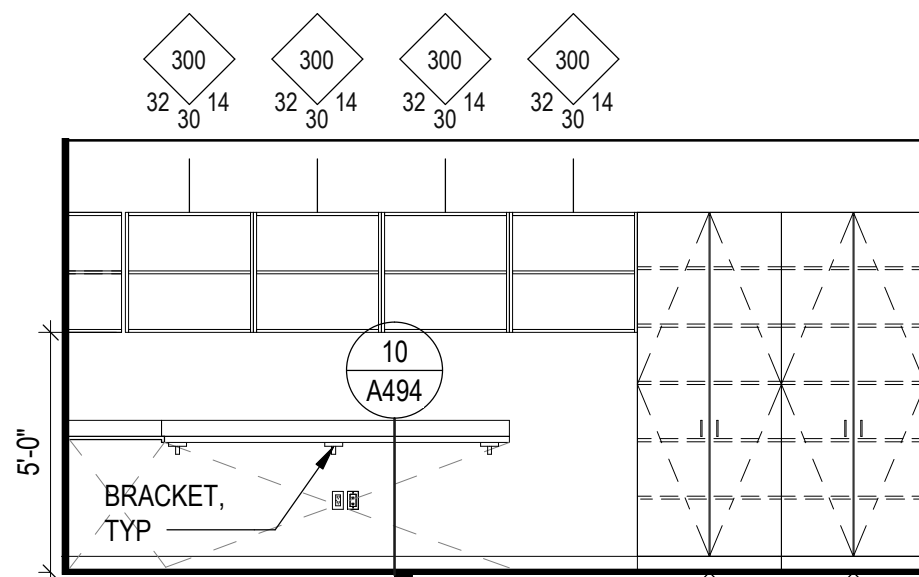
5D MUSIC WORK ROOM - W
SCALE: 1/4" = 1'-0"



5C MUSIC WORK ROOM - N
SCALE: 1/4" = 1'-0"



5B MUSIC WORK ROOM - E
SCALE: 1/4" = 1'-0"



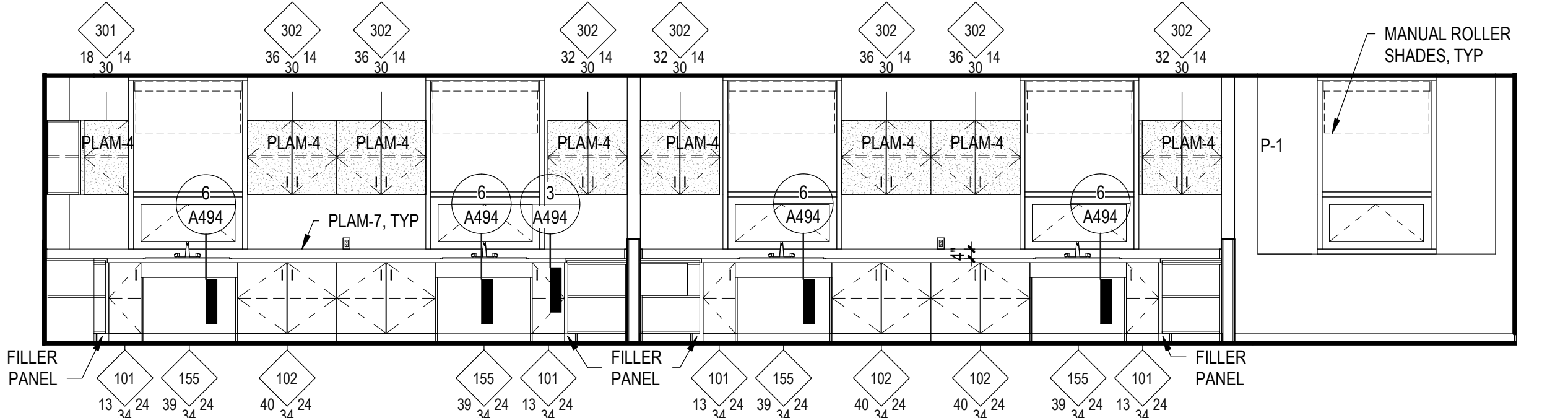
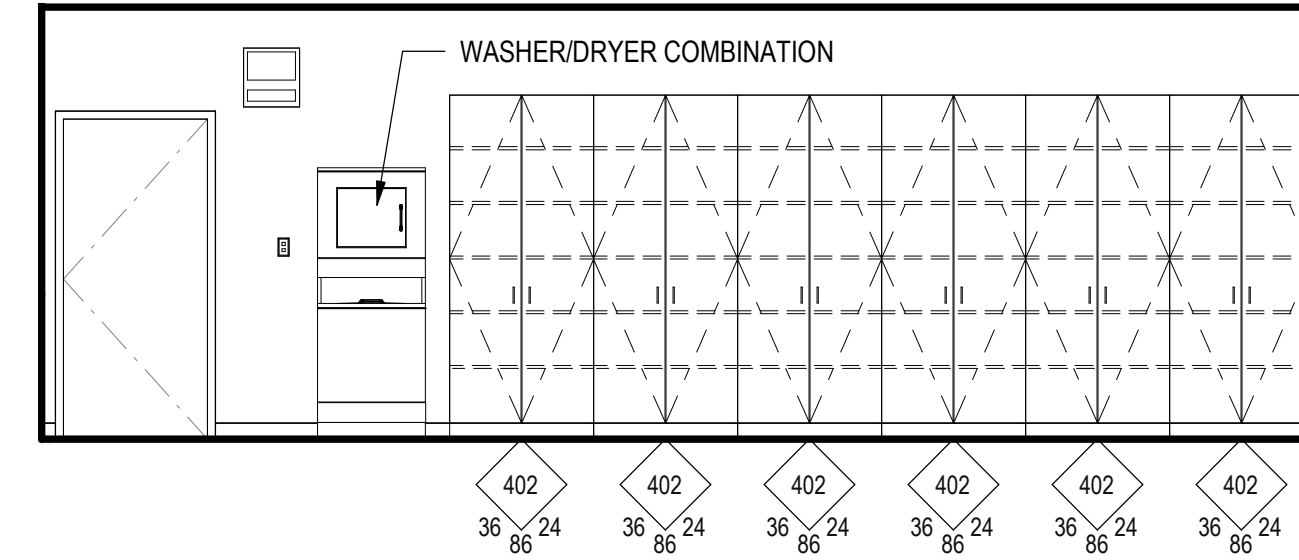
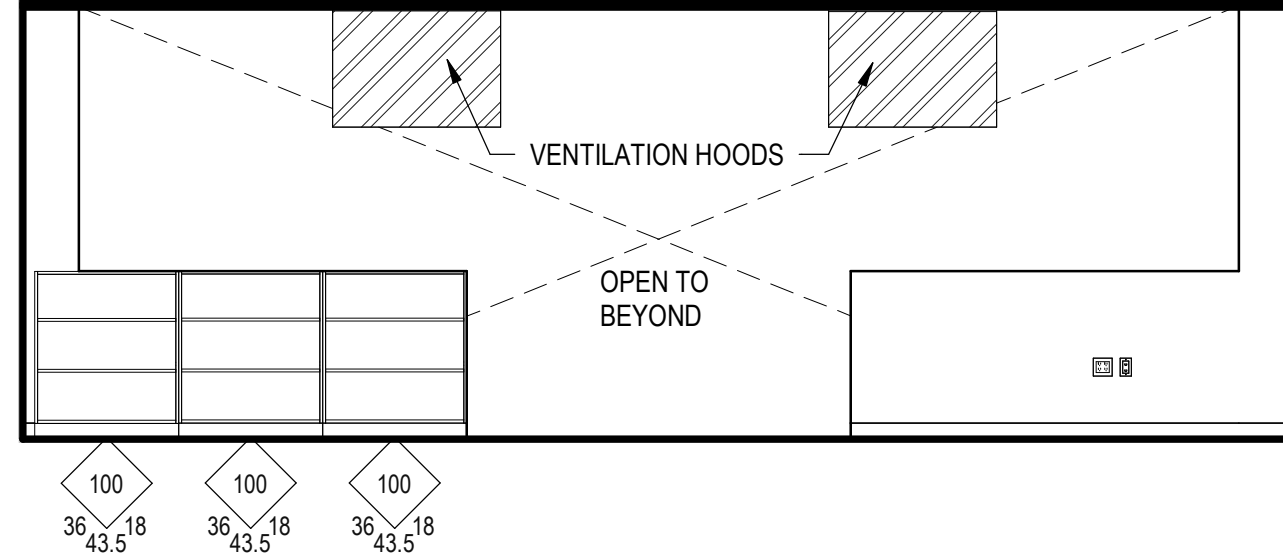
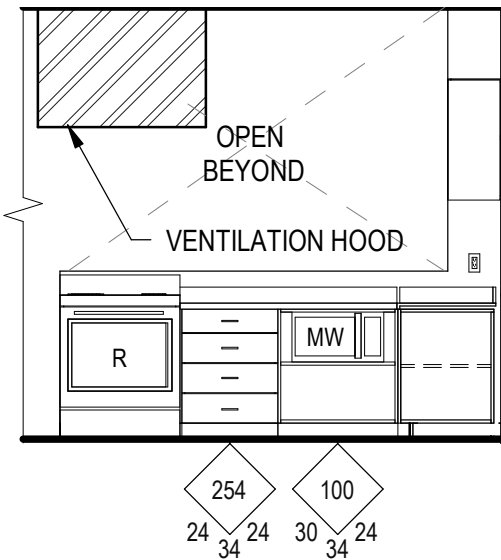
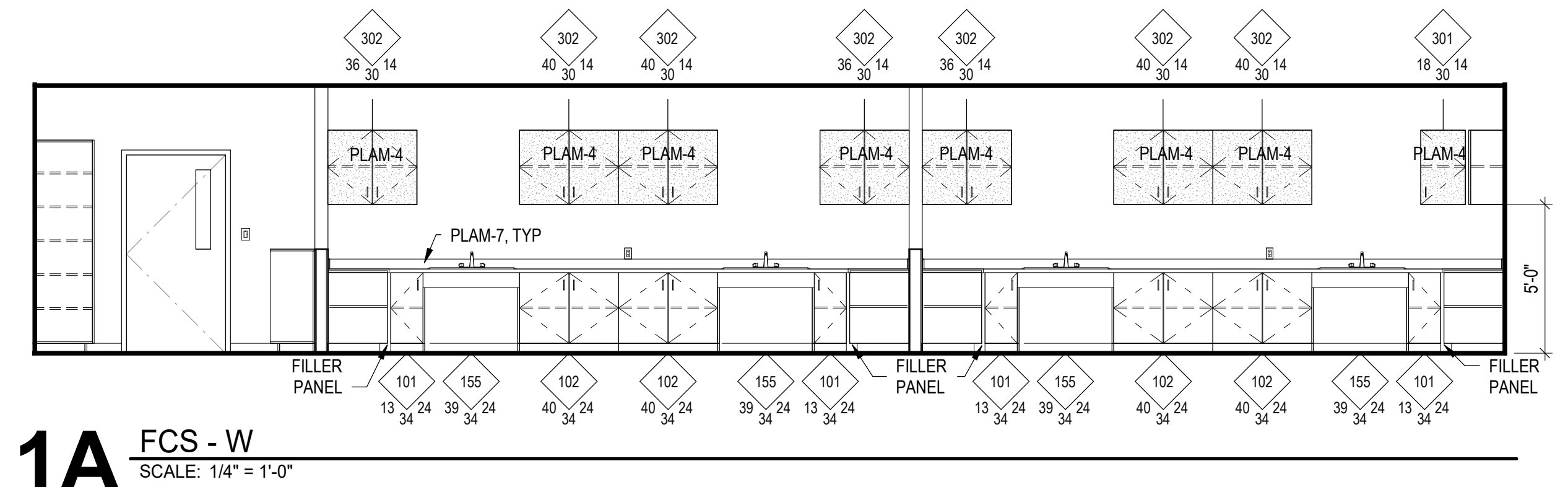
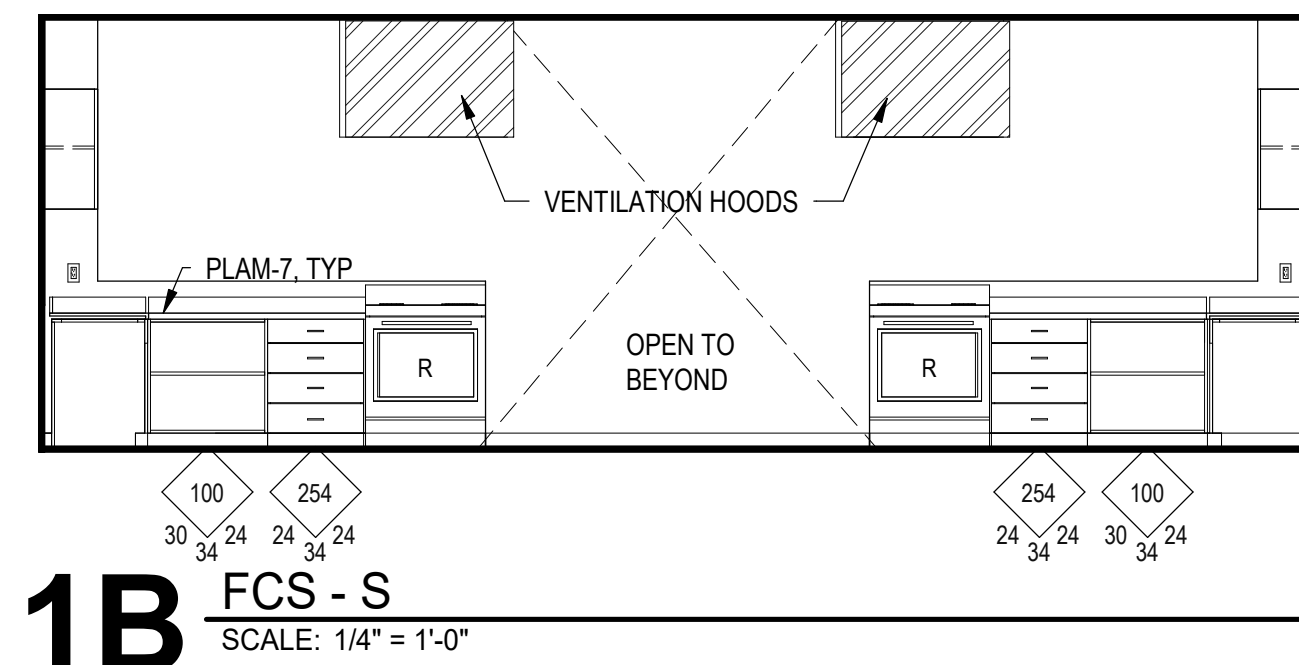
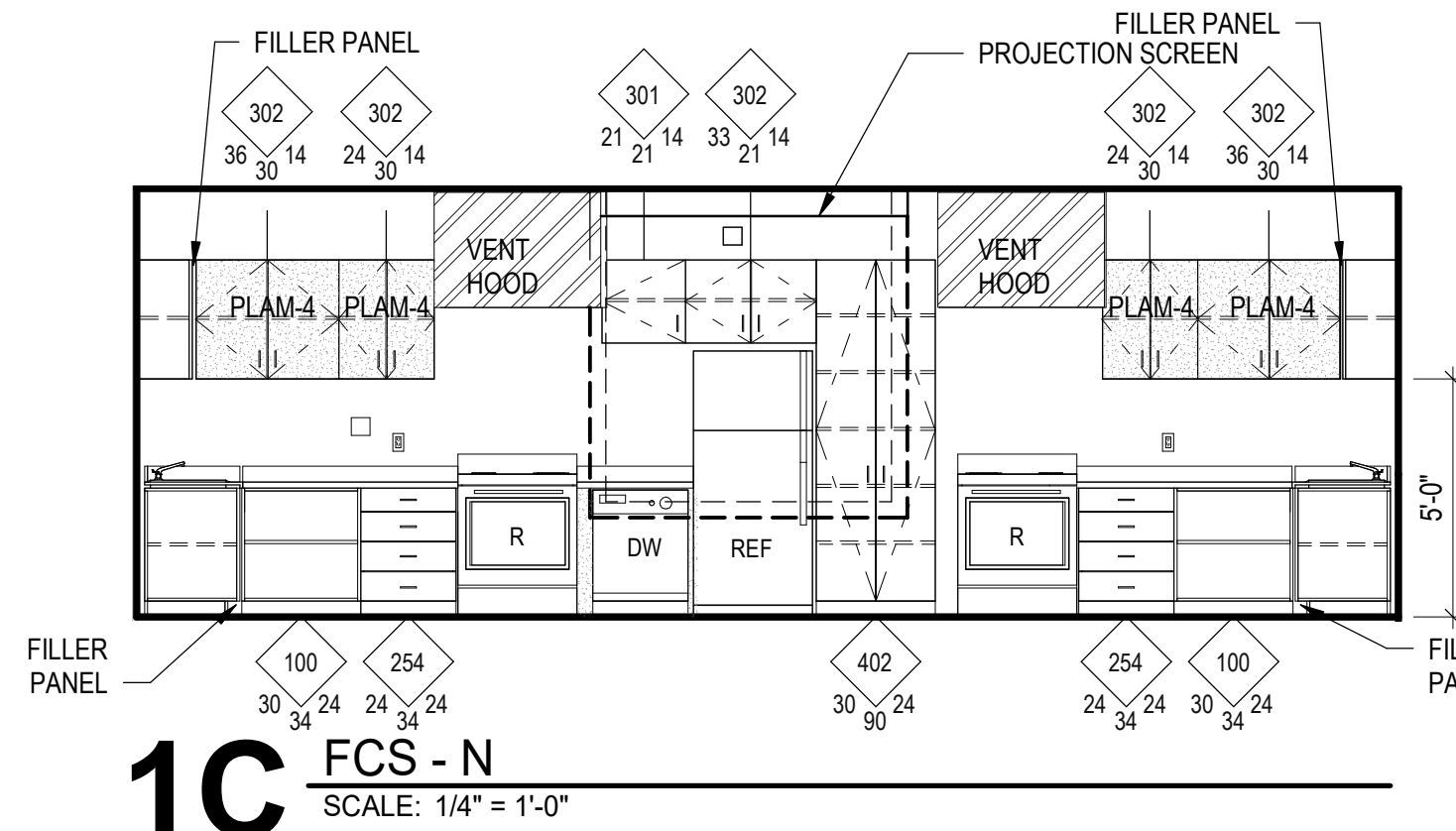
5A MUSIC WORK ROOM - S
SCALE: 1/4" = 1'-0"

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SS
Checked by:	SS
Revisions	
#	Date Description

INTERIOR
ELEVATIONS -
LEARNING
SPACES

A459

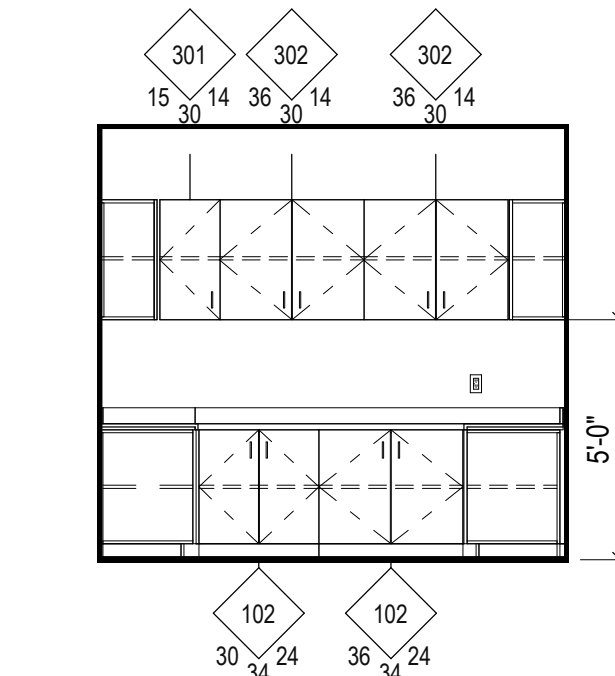
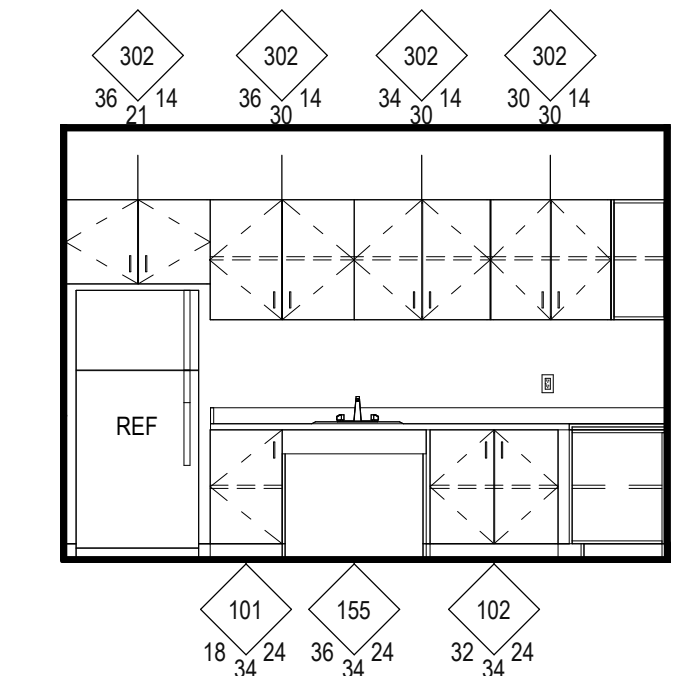
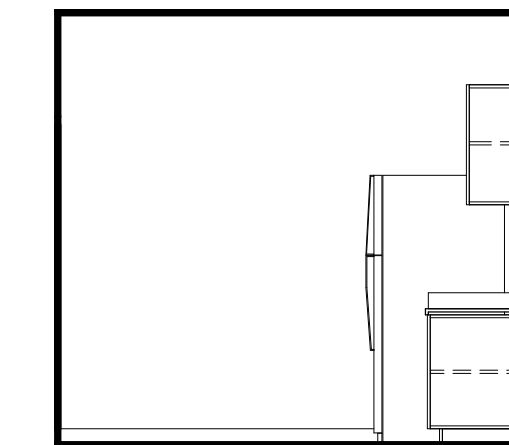
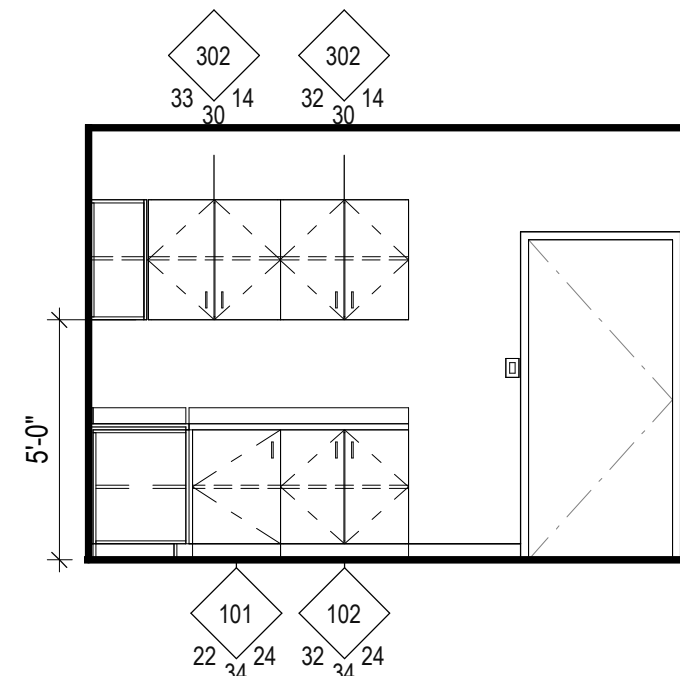


1G FCS - TYP CASEWORK AT STOVE
SCALE: 1/4" = 1'-0"

1F FCS - N 2
SCALE: 1/4" = 1'-0"

1E FCS - S 2
SCALE: 1/4" = 1'-0"

1D FCS - E
SCALE: 1/4" = 1'-0"

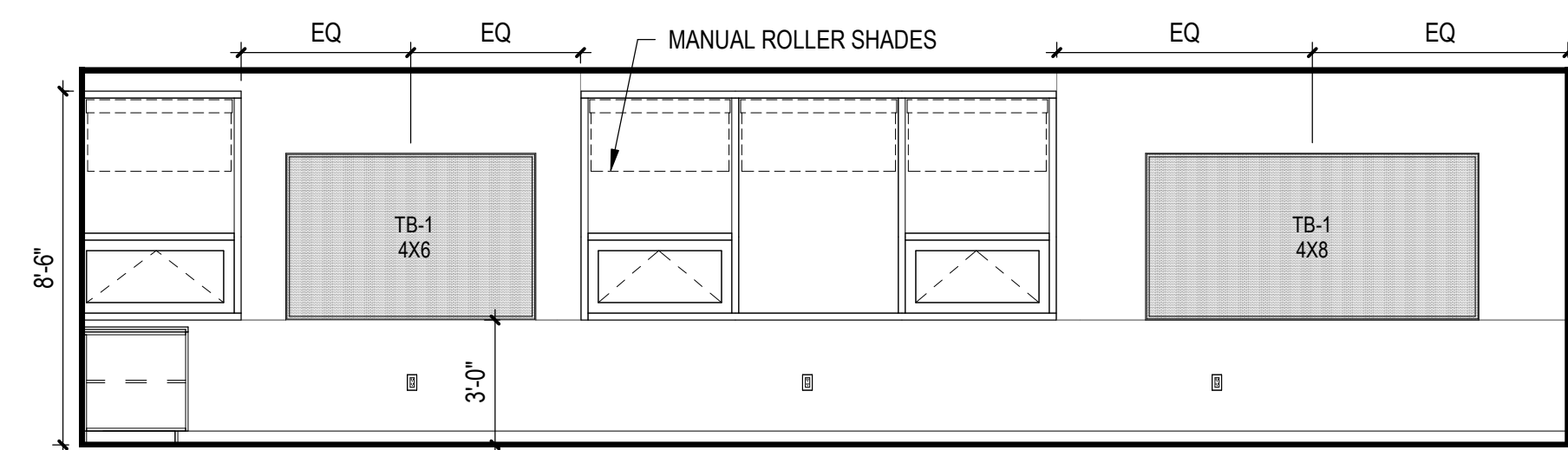
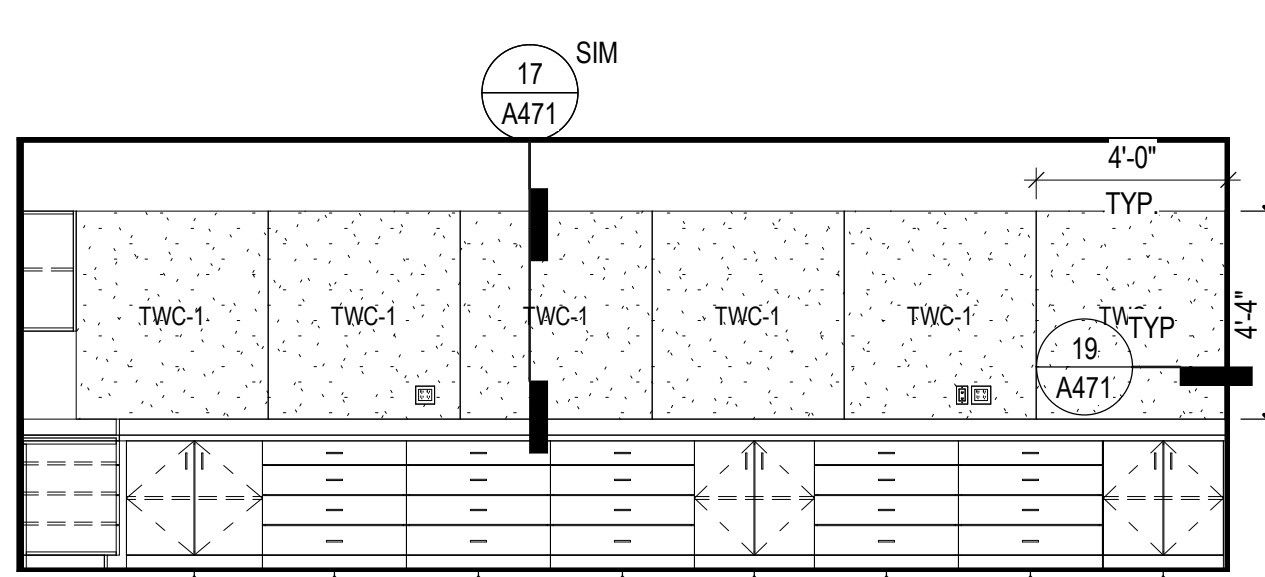
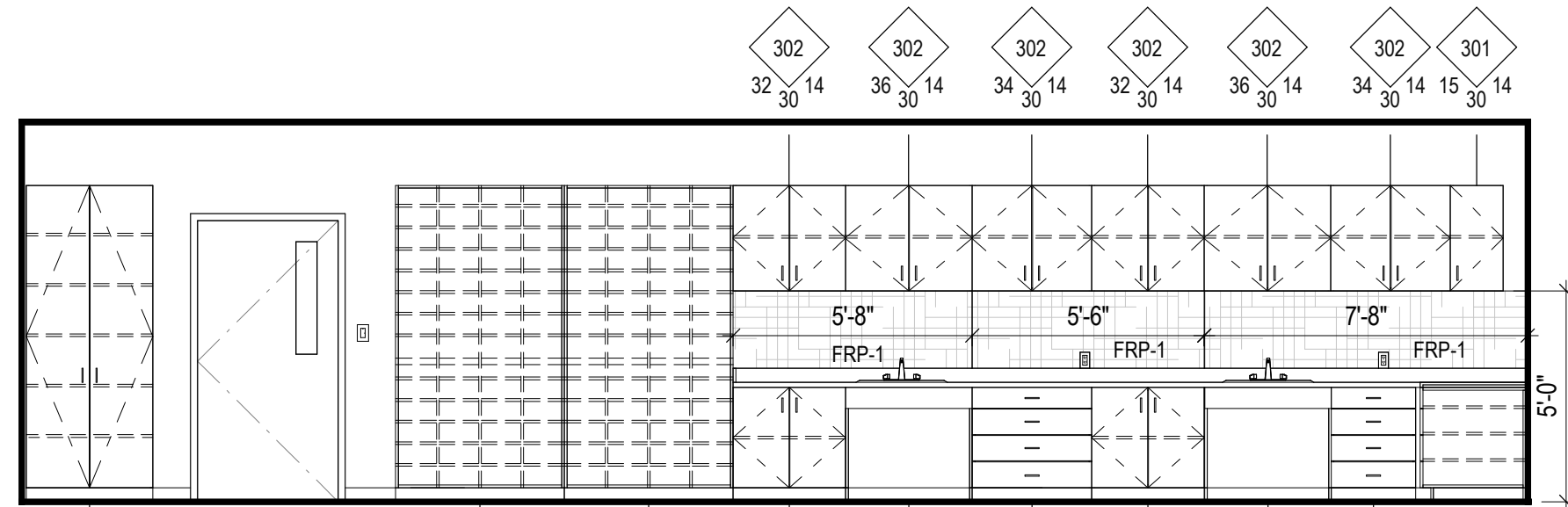
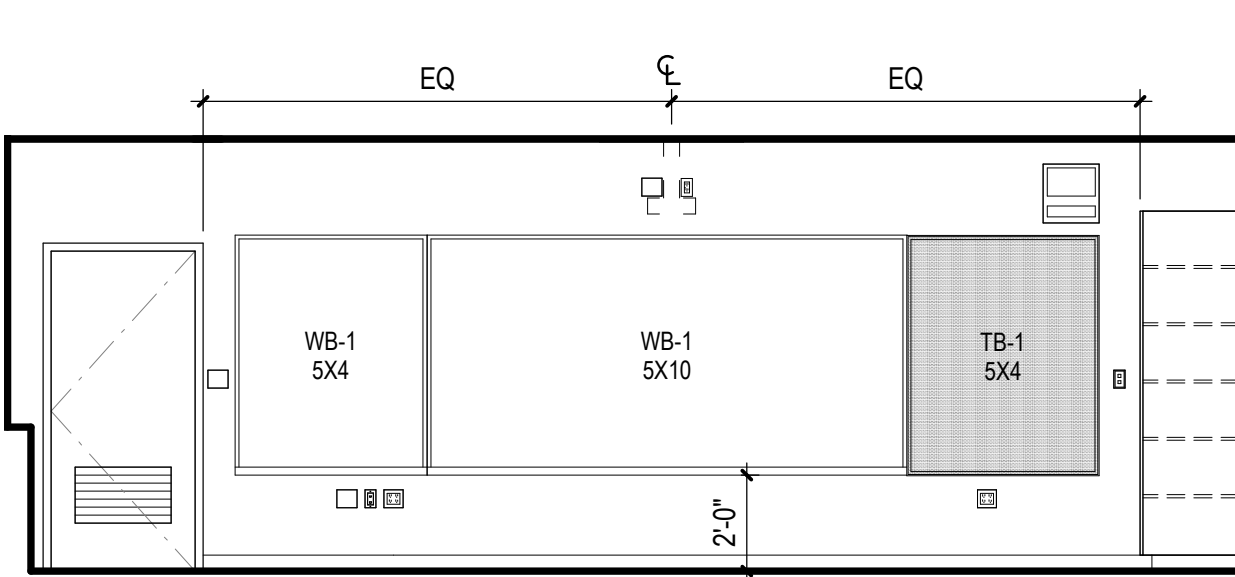


2D PANTRY - N
SCALE: 1/4" = 1'-0"

2C PANTRY - E
SCALE: 1/4" = 1'-0"

2B PANTRY - S
SCALE: 1/4" = 1'-0"

2A PANTRY - W
SCALE: 1/4" = 1'-0"



3D ART - W
SCALE: 1/4" = 1'-0"

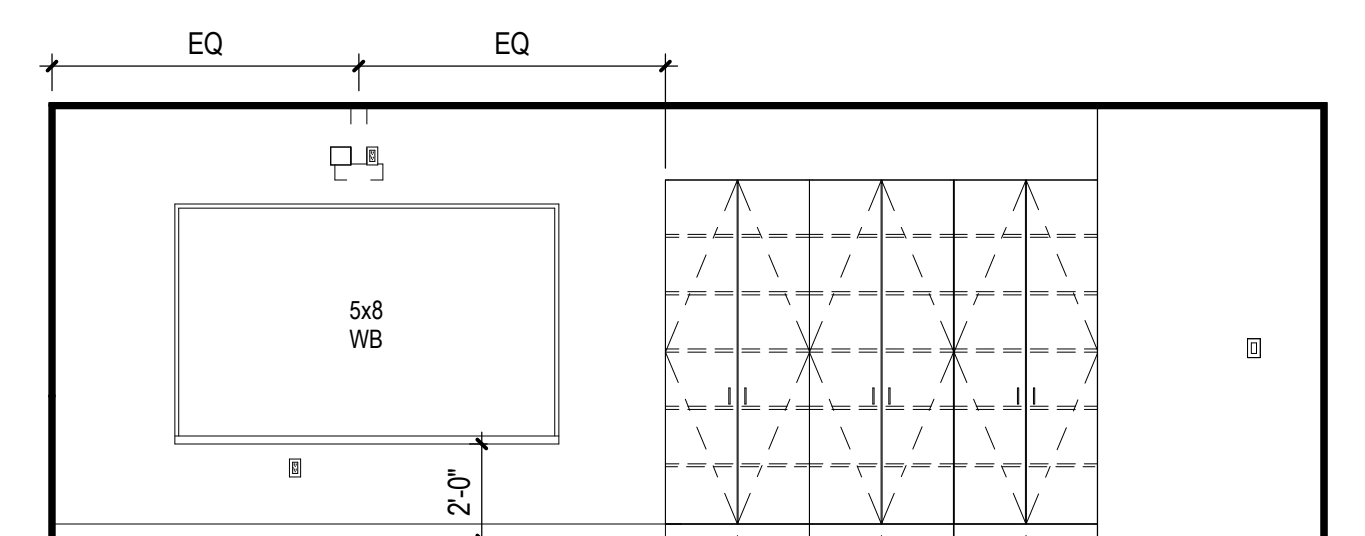
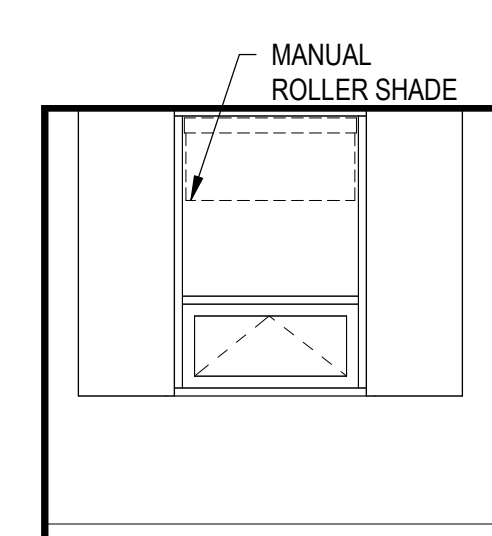
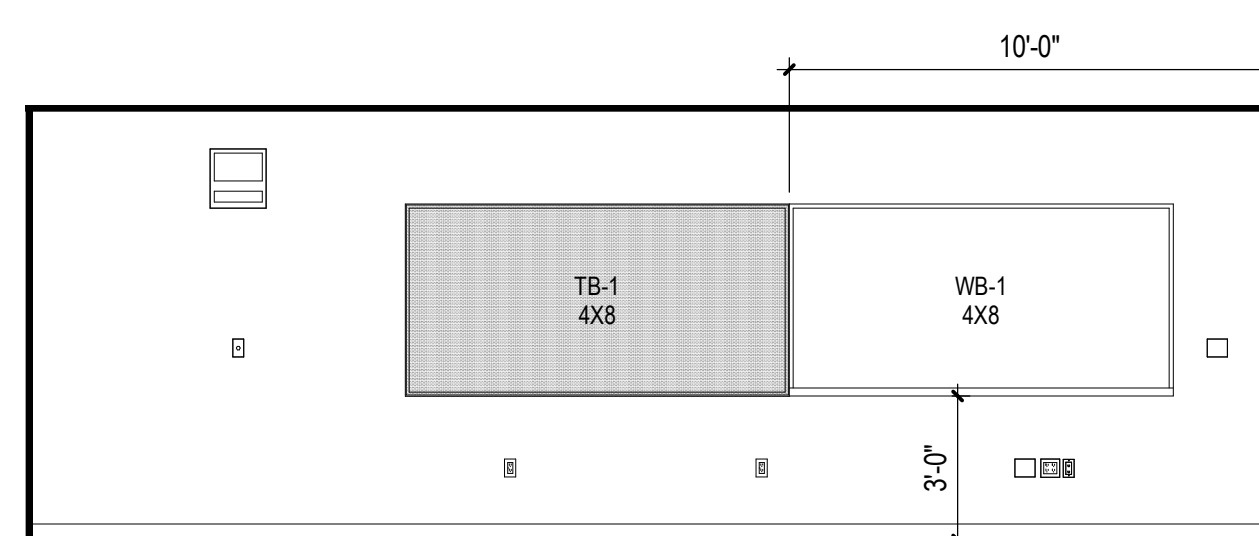
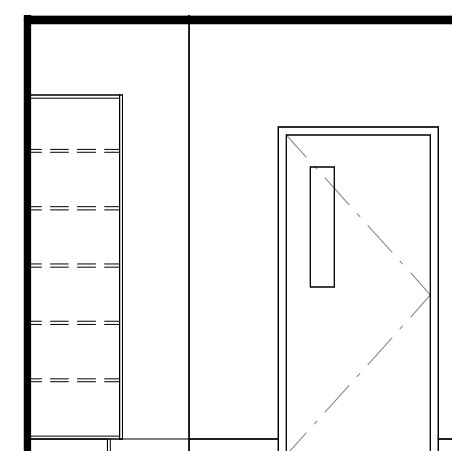
3C ART - N
SCALE: 1/4" = 1'-0"

3B ART - E
SCALE: 1/4" = 1'-0"

3A ART - S
SCALE: 1/4" = 1'-0"

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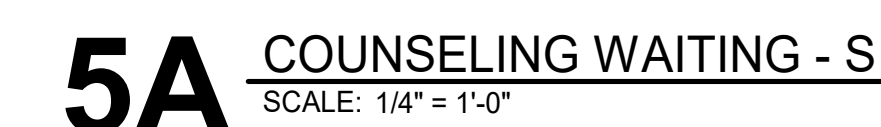
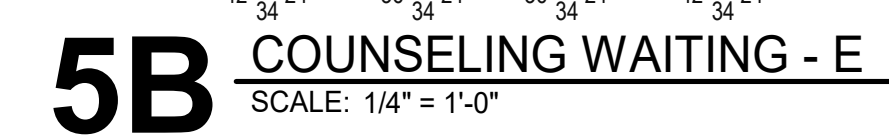
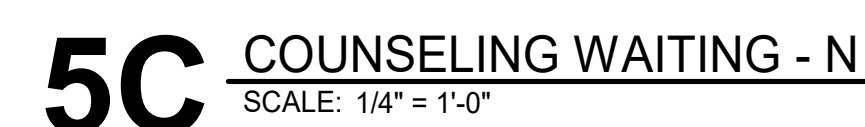
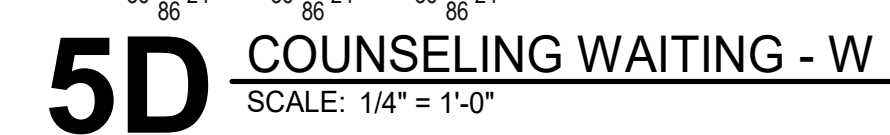
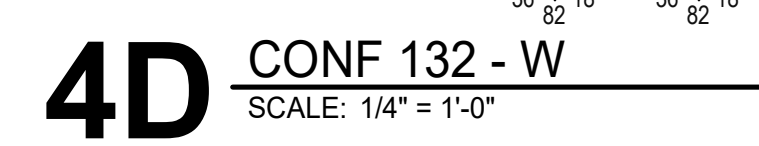
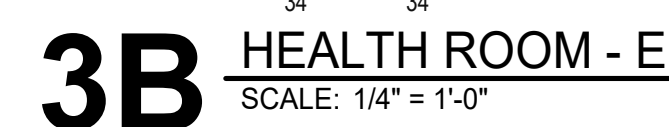


4D SPEECH - W
SCALE: 1/4" = 1'-0"

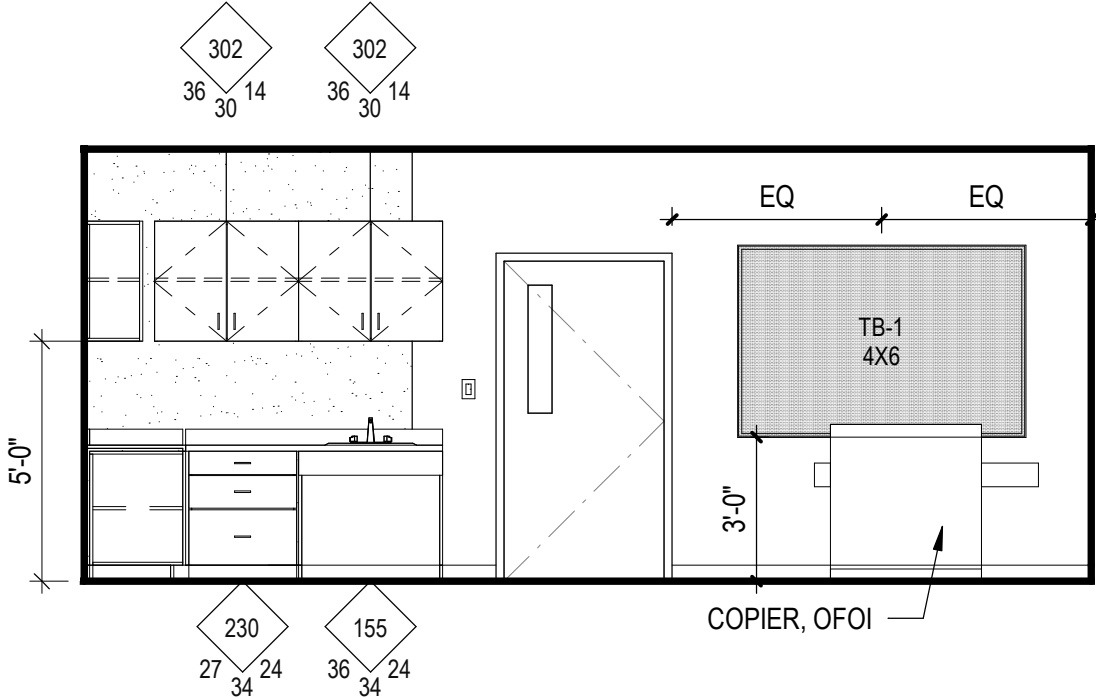
4C SPEECH - N
SCALE: 1/4" = 1'-0"

4B SPEECH - E
SCALE: 1/4" = 1'-0"

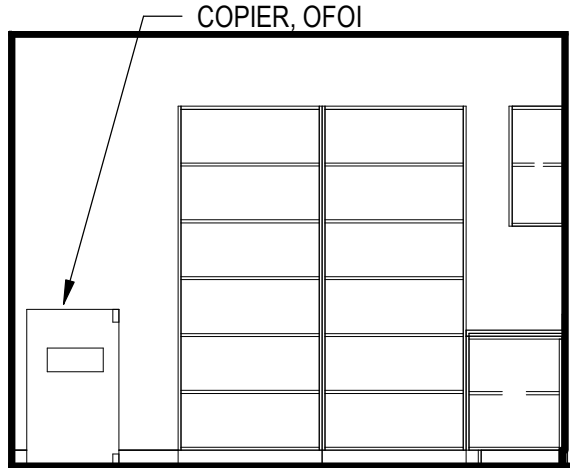
4A SPEECH - S
SCALE: 1/4" = 1'-0"



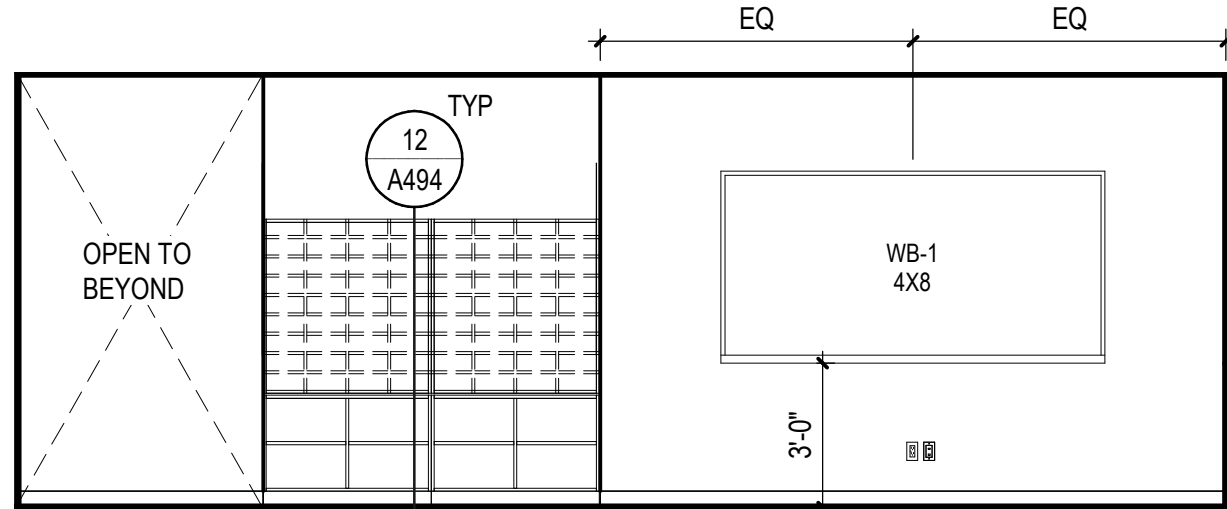
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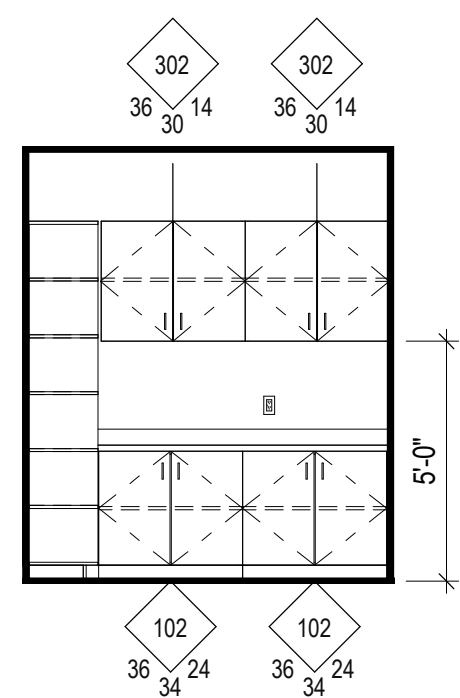
1E FACULTY ROOM - N
SCALE: 1/4" = 1'-0"



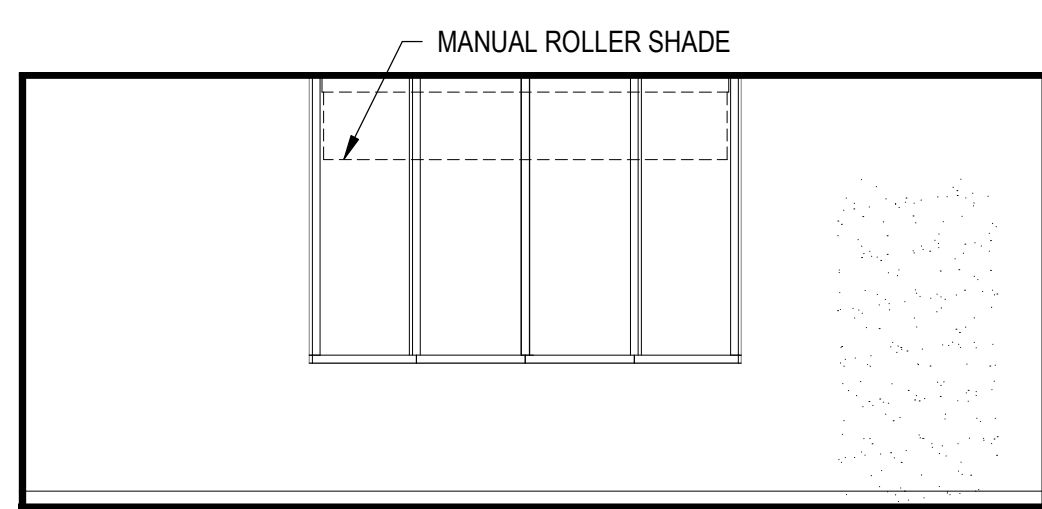
1D FACULTY ROOM - E 2
SCALE: 1/4" = 1'-0"



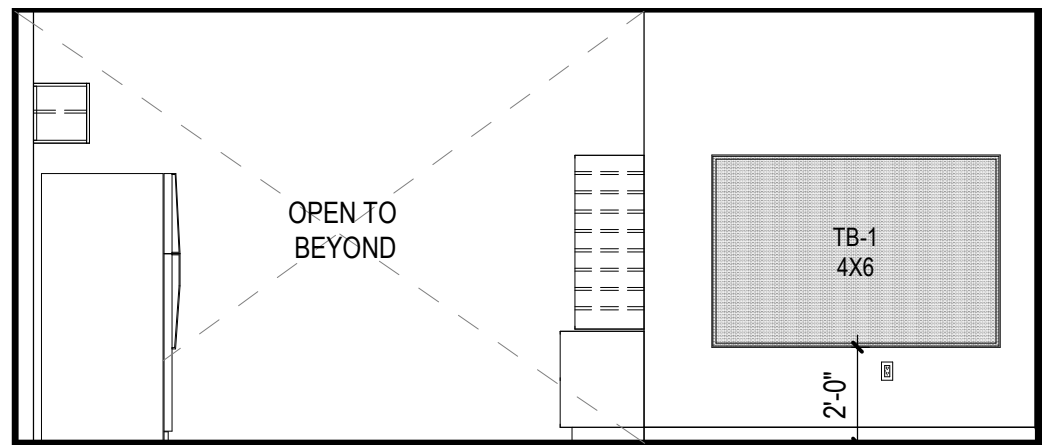
1C FACULTY ROOM - E
SCALE: 1/4" = 1'-0"



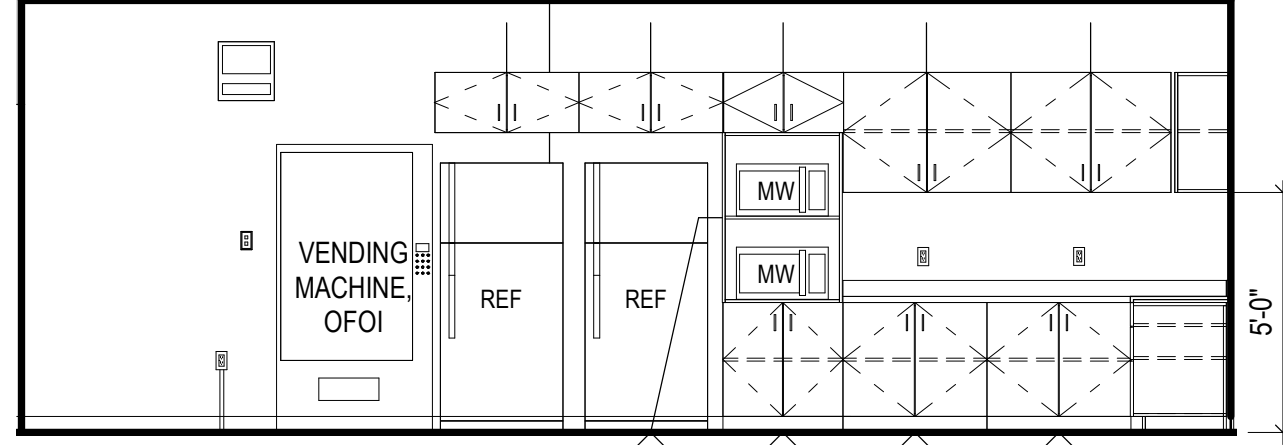
1B FACULTY ROOM - S 2
SCALE: 1/4" = 1'-0"



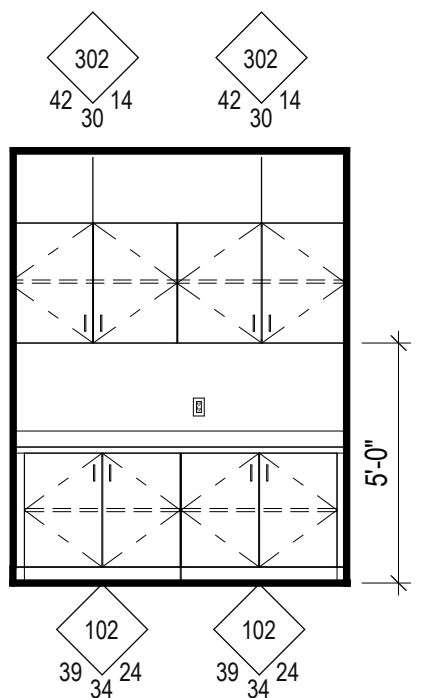
1A FACULTY ROOM - S
SCALE: 1/4" = 1'-0"



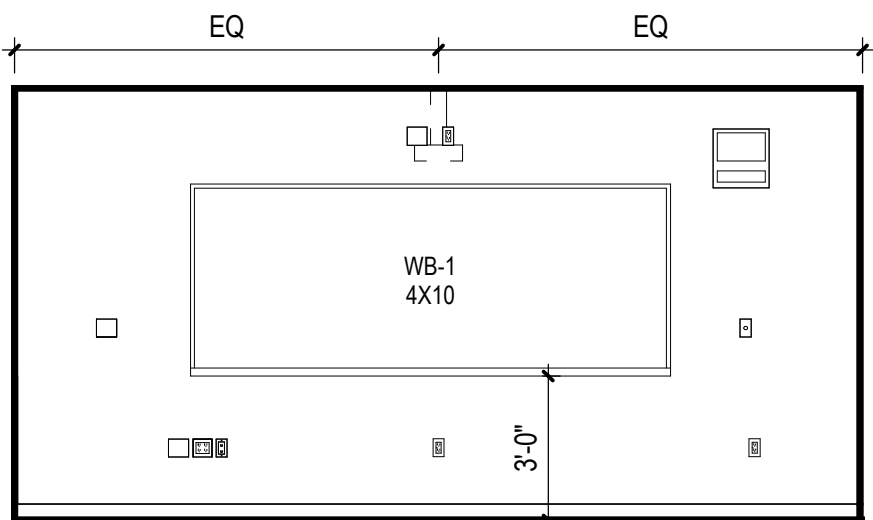
1G FACULTY ROOM - N
SCALE: 1/4" = 1'-0"



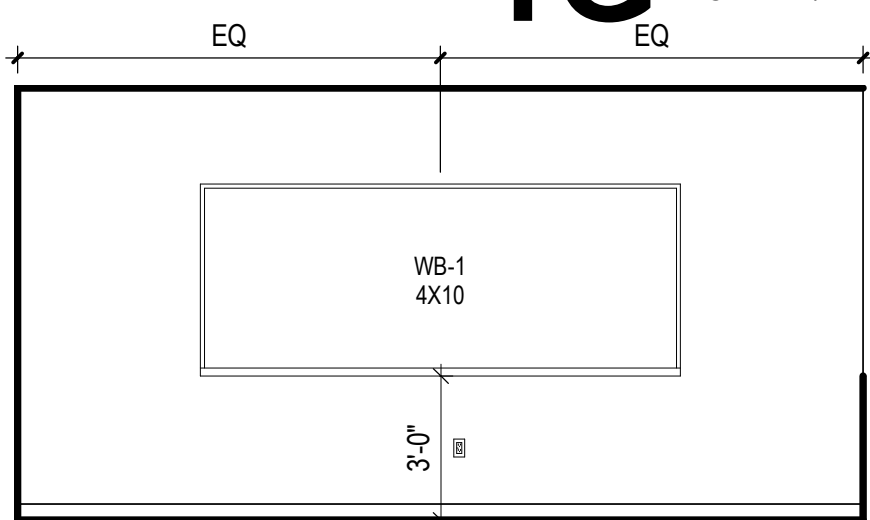
1F FACULTY ROOM - W
SCALE: 1/4" = 1'-0"



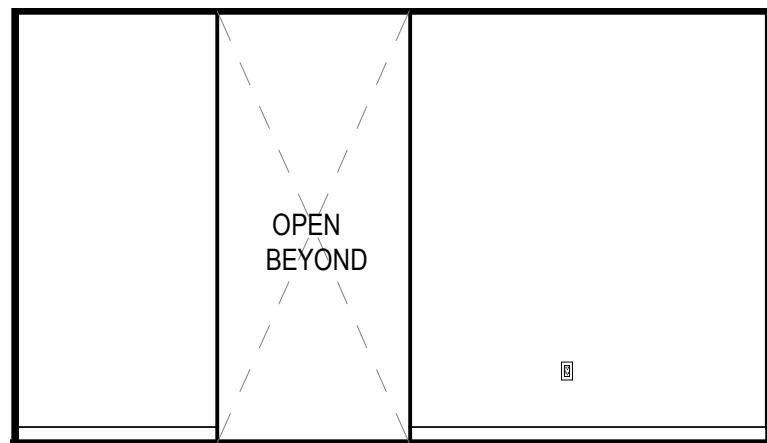
2E CONF 109 - W 2
SCALE: 1/4" = 1'-0"



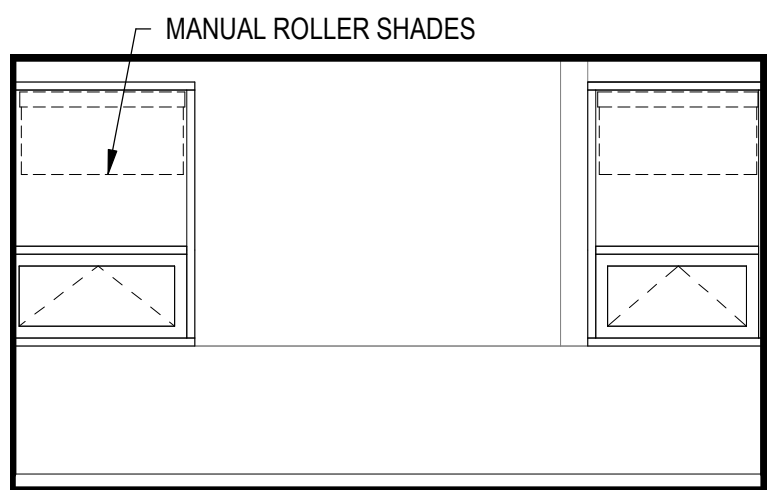
2D CONF 109 - W
SCALE: 1/4" = 1'-0"



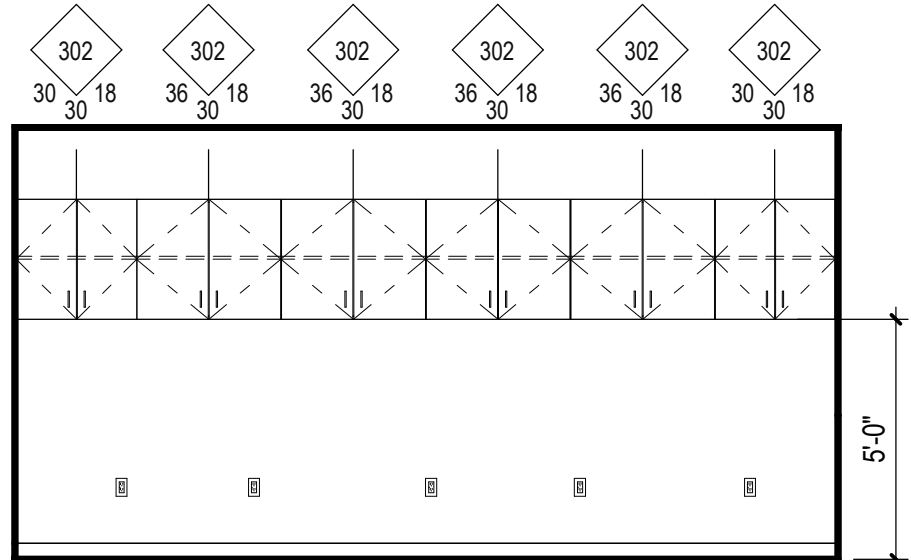
2C CONF 109 - E
SCALE: 1/4" = 1'-0"



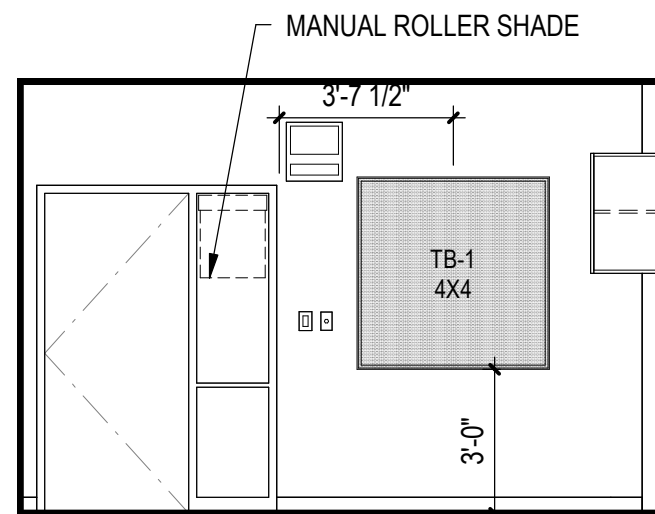
2B CONF 109 - N
SCALE: 1/4" = 1'-0"



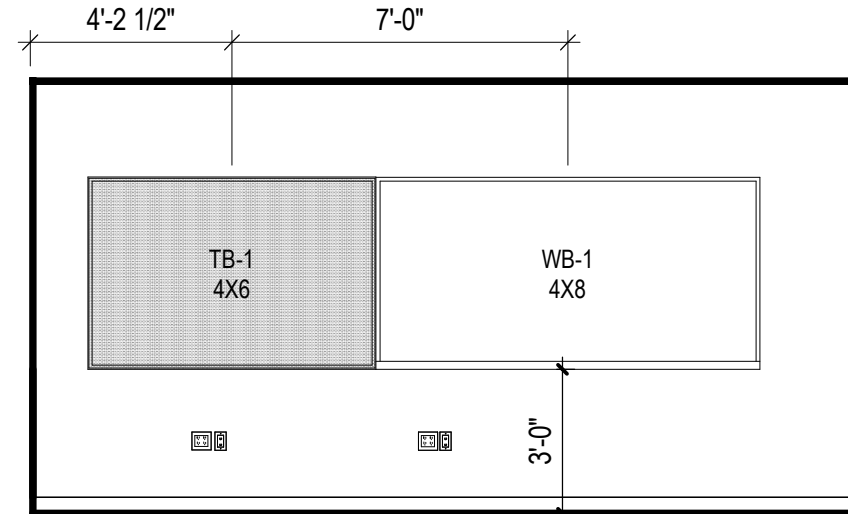
2A CONF 109 - S
SCALE: 1/4" = 1'-0"



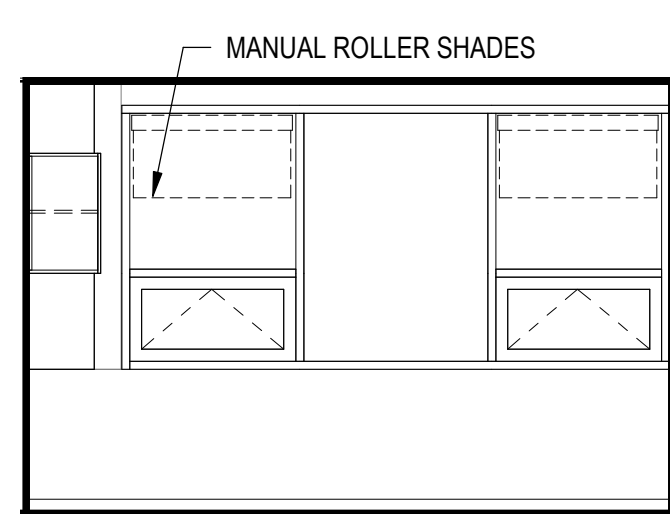
3D ISS - W
SCALE: 1/4" = 1'-0"



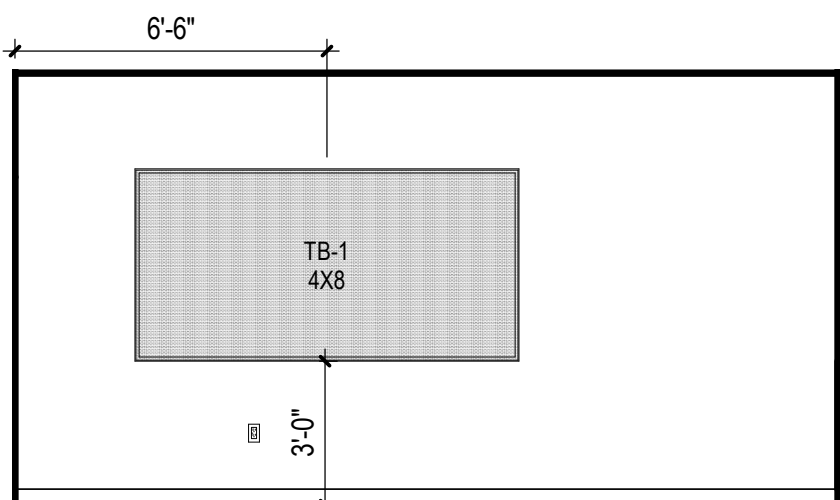
3C ISS - S
SCALE: 1/4" = 1'-0"



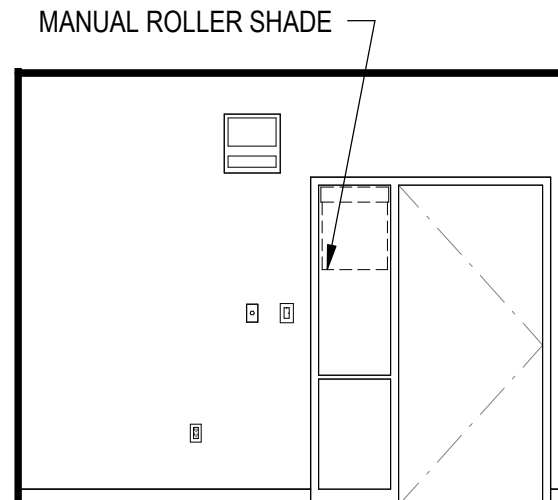
3B ISS - E
SCALE: 1/4" = 1'-0"



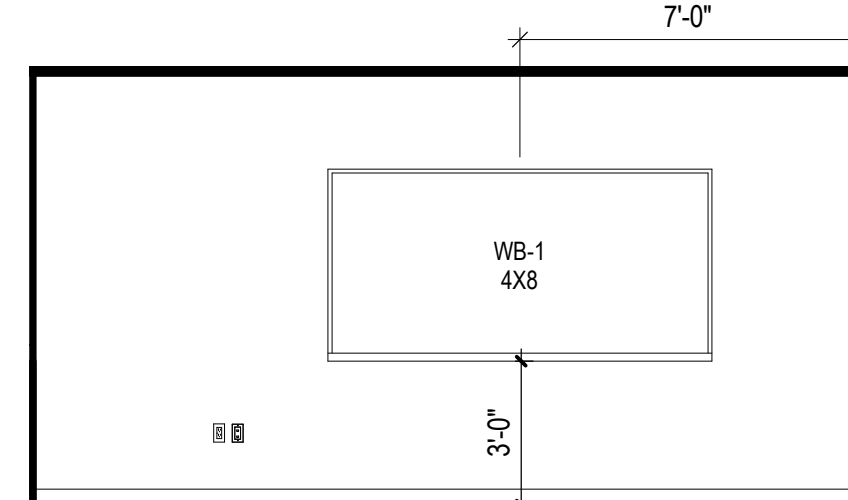
3A ISS - N
SCALE: 1/4" = 1'-0"



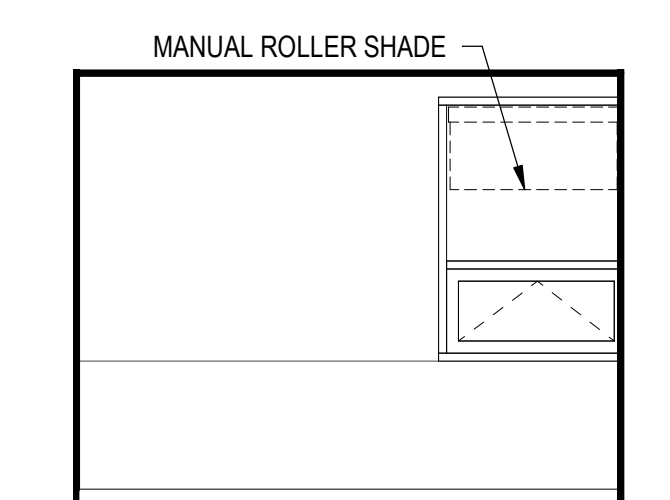
4D INST. COACH - W
SCALE: 1/4" = 1'-0"



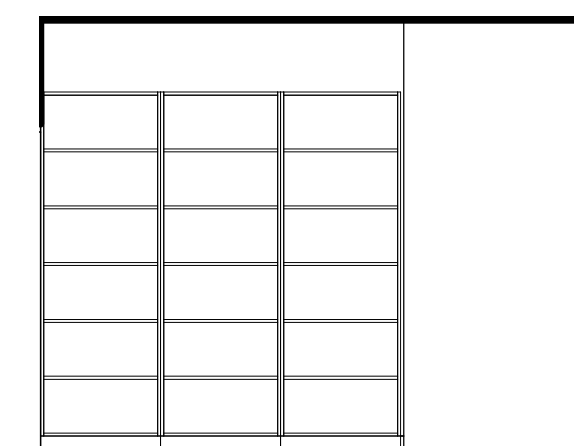
4C INST. COACH - S
SCALE: 1/4" = 1'-0"



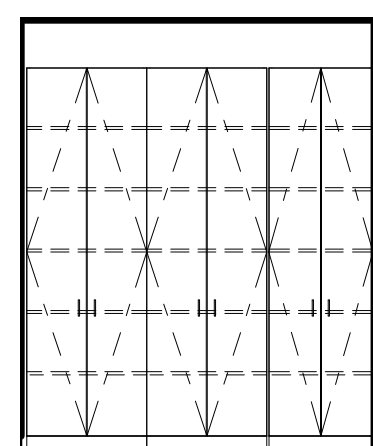
4B INST. COACH - E
SCALE: 1/4" = 1'-0"



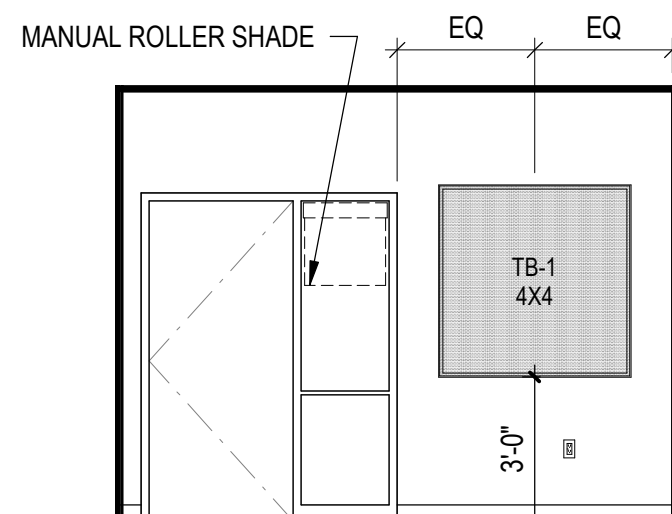
4A INST. COACH - N
SCALE: 1/4" = 1'-0"



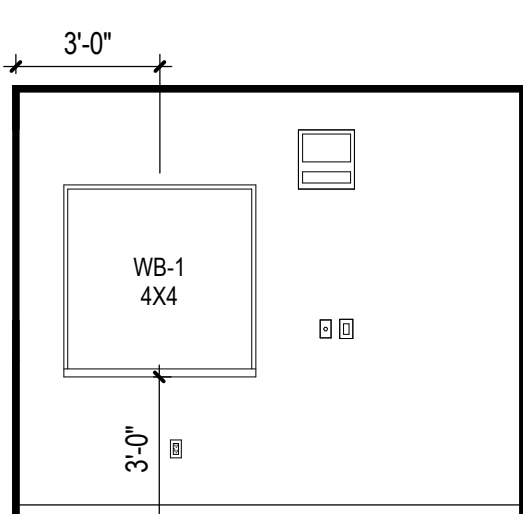
6A STORAGE - N
SCALE: 1/4" = 1'-0"



5A VESTIBULE 224 - E
SCALE: 1/4" = 1'-0"



7B OFFICE - S
SCALE: 1/4" = 1'-0"



7A OFFICE - E
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

- FOR MATERIAL ABBREVIATIONS REFER TO SHEET A400
- ALL GWB, SGWB, VENER PLASTER AND (E) POP TO BE PAINTED P-1, UNO.
- ALL HOLLOW METAL DOOR FRAMES AND STRUCTURAL COLUMNS TO BE PAINTED P-2, UNO.
- FOR CEILING HEIGHT INFORMATION REFER TO REFLECTED CEILING PLANS.
- ALL FINISHES AND RUBBER BASE TO EXTEND UNDER ALL MOVEABLE CASEWORK AND EQUIPMENT.
- ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED SHALL BE CENTERED UNDER DOOR.
- VERIFY, WITH ARCHITECT, CARPET INSTALL DIRECTION PRIOR TO ORDERING MATERIAL AND INSTALLATION.
- ALL INTERIOR APPLICATION OF ANTI-GRAFFITI COATING (AGC) TO BE APPLIED UP TO 8'-0".
- ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN CLASS C.
- REFER TO A411 FOR TYPICAL MOUNTING HEIGHTS LEGEND.
- FOR ALL WALL MOUNTED ITEMS NOT SHOWN ON INTERIOR ELEVATIONS, COORDINATE WITH ARCHITECTS PRIOR TO INSTALLATION.
- REFER TO FLOOR PLANS FOR EXACT WINDOW LOCATION AND WALL DIMENSIONS.
- INSTALL WALL BASE ON ALL WALLS, EXCLUDING BRICK UNO.
- DEVICES, EQUIPMENT & FIXTURES SHOWN FOR LOCATION COORDINATION REFER TO MECHANICAL, ELECTRICAL & TELECOM DRAWINGS FOR SYSTEM DESIGN & DETAIL.
- REFER TO A632 FOR SILL FINISHING.
- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.

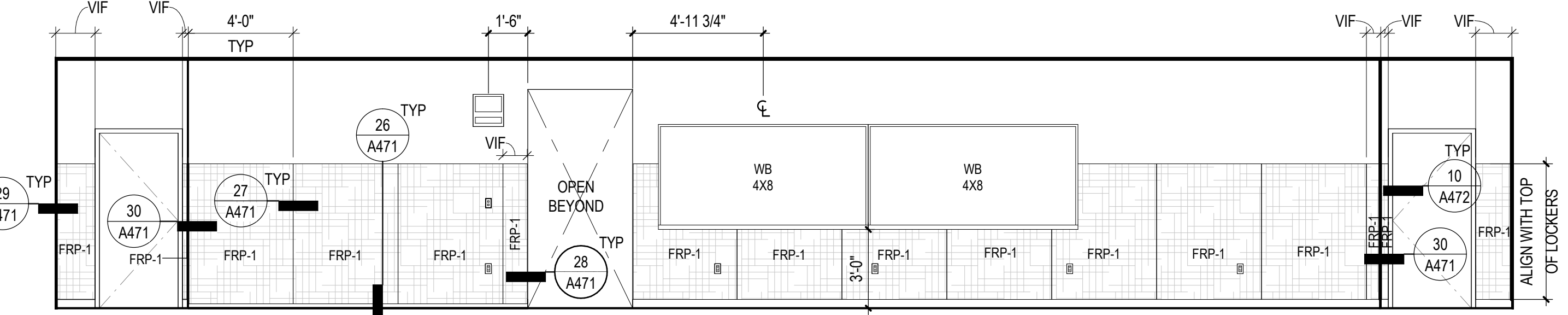
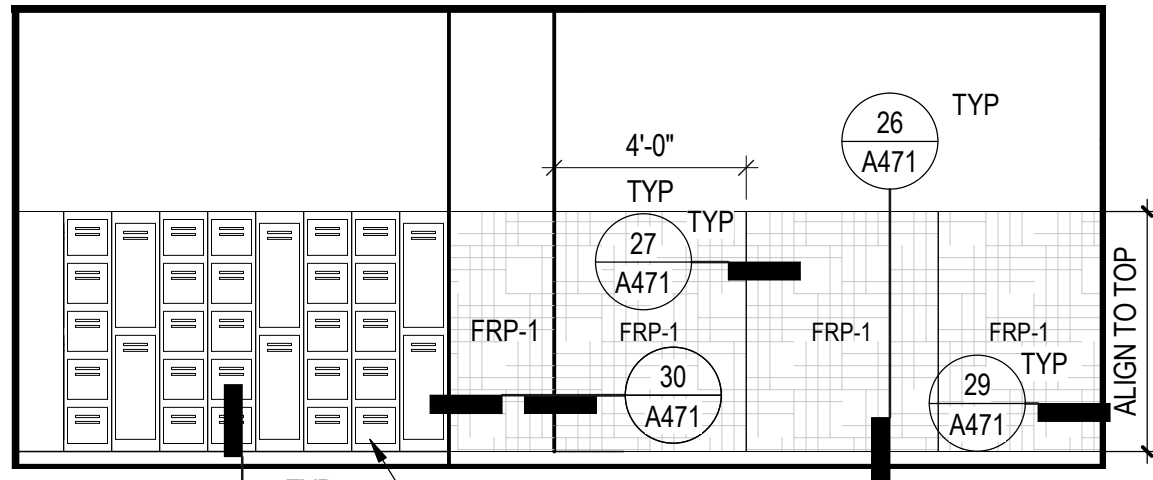
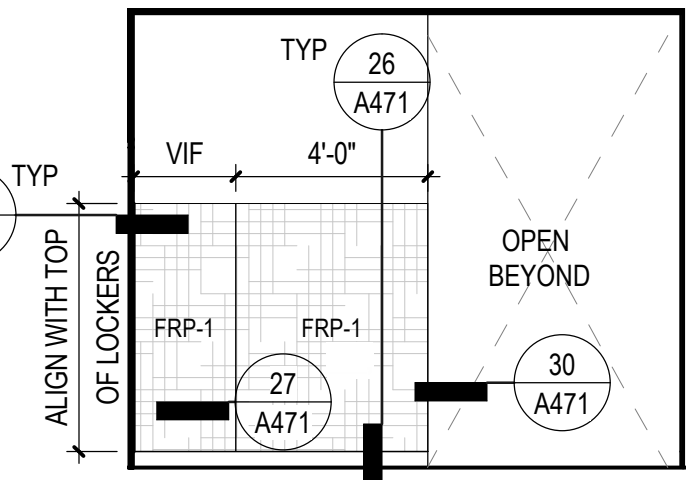
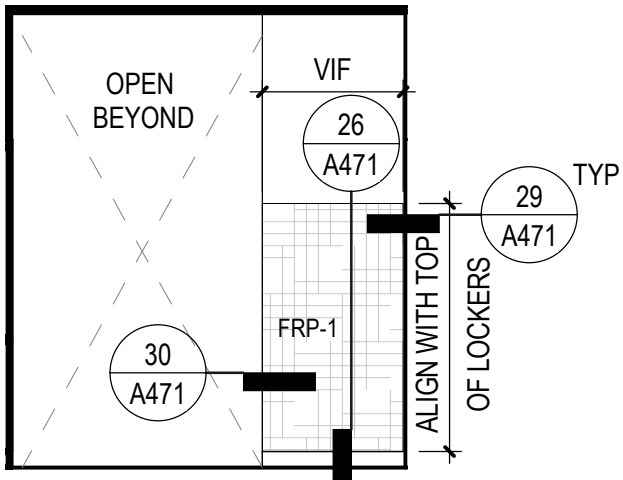
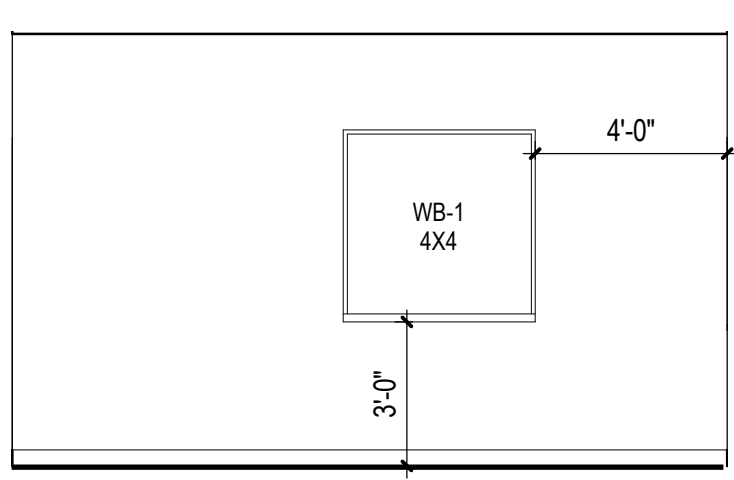
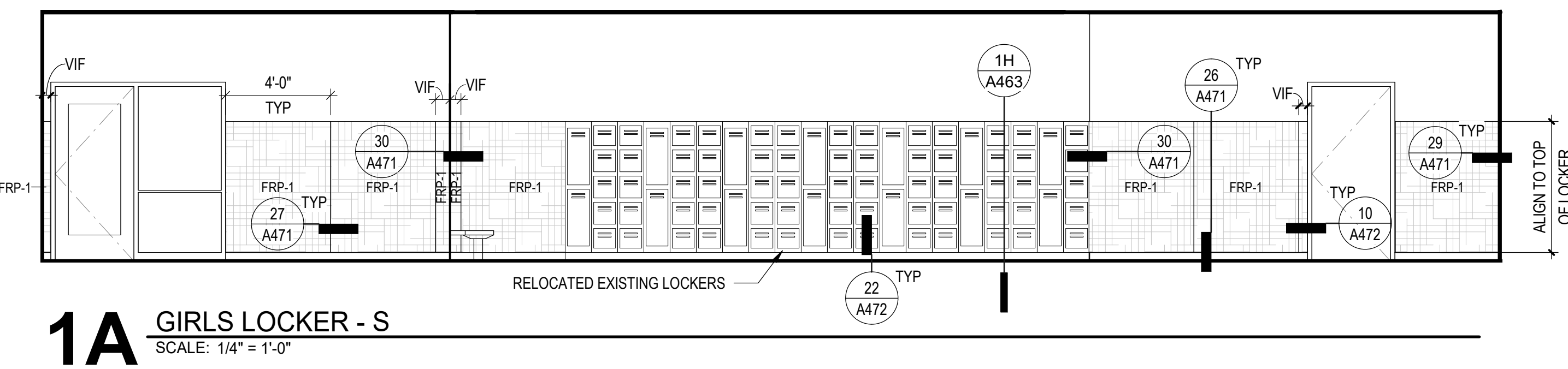
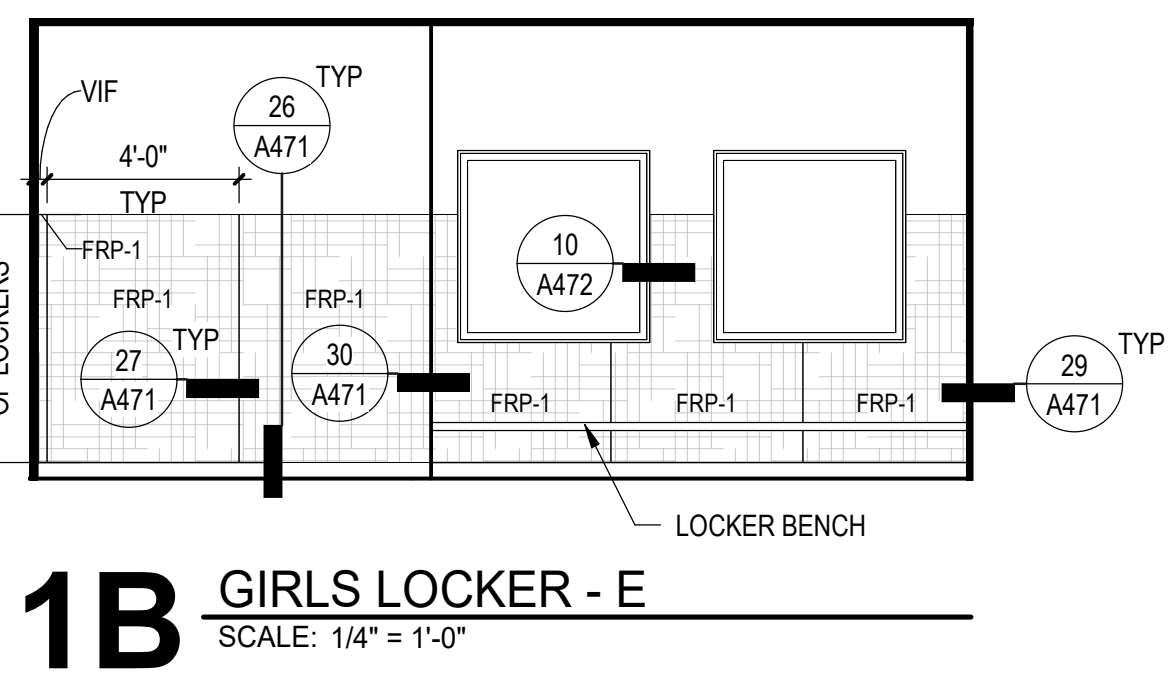
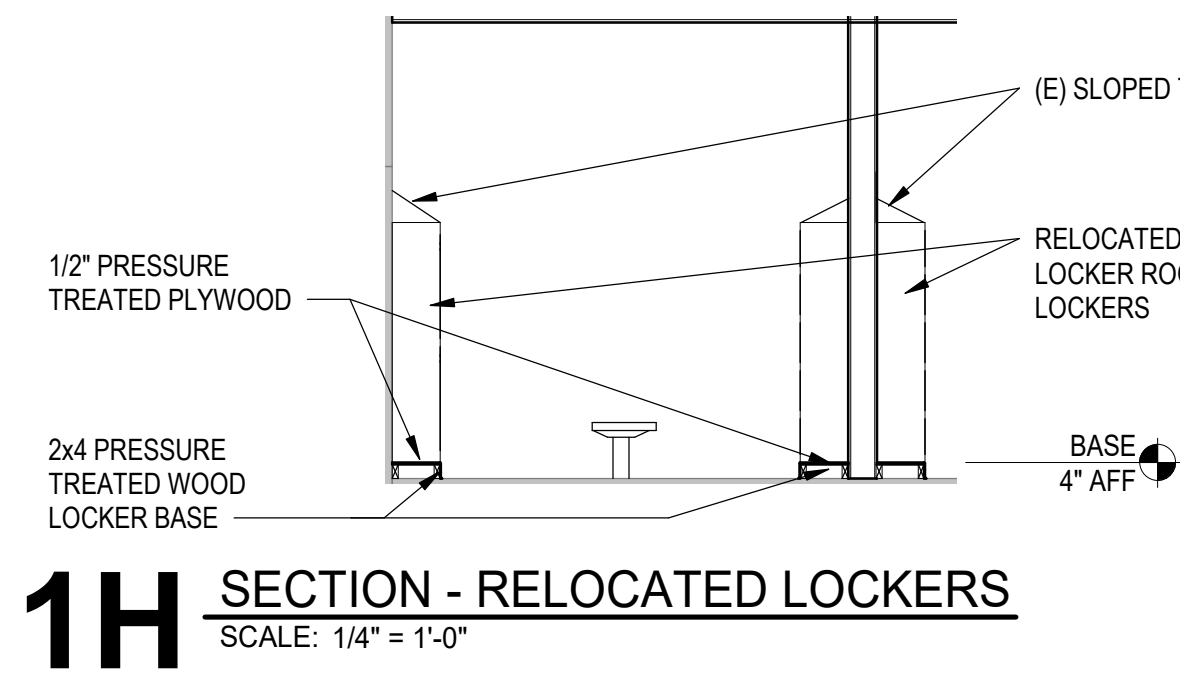
KELSO SCHOOL DISTRICT NO. 458 HUNTINGTON MIDDLE SCHOOL - MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	SQ	
Checked by:	SS	
Revisions		
#	Date	Description

INTERIOR
ELEVATIONS -
ADMIN

A462



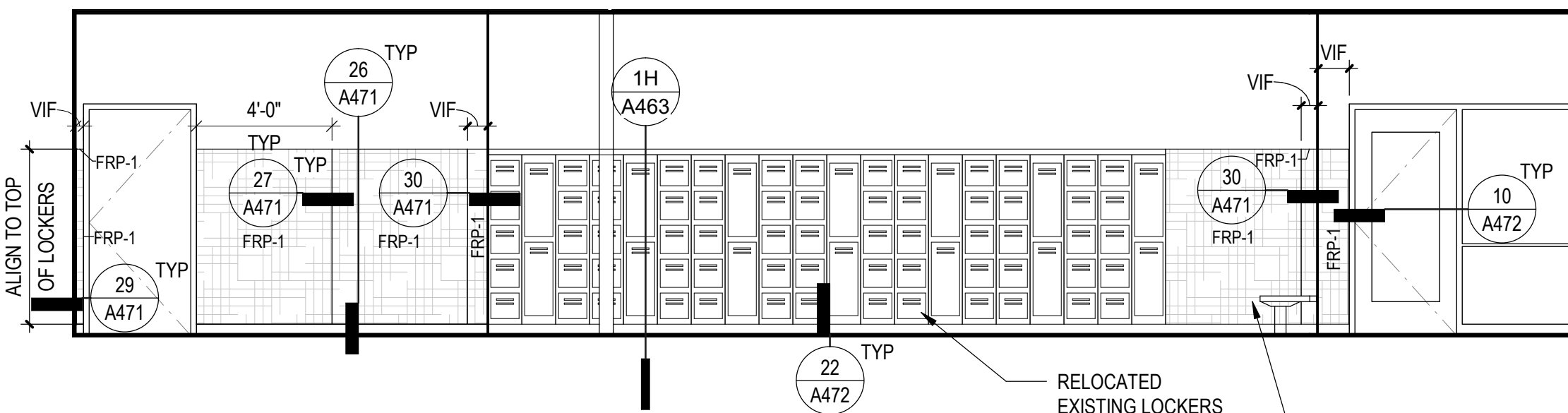
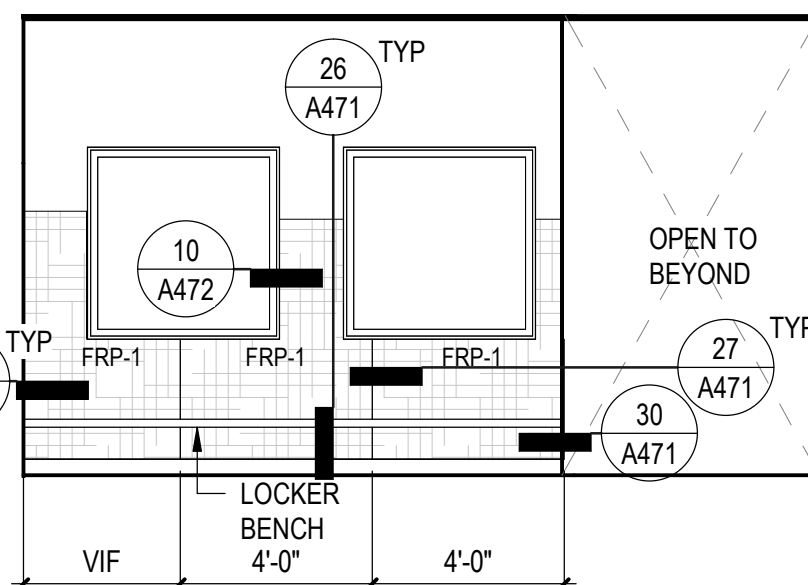
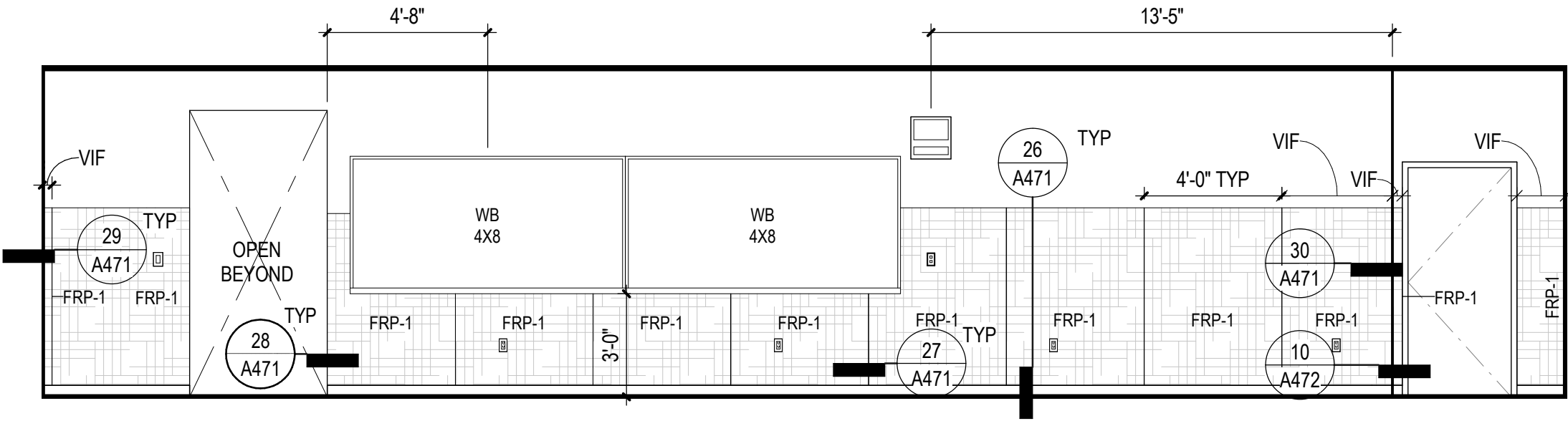
1G OFFICE 041 - S
SCALE: 1/4" = 1'-0"

1F GIRLS LOCKER - W 2
SCALE: 1/4" = 1'-0"

1E GIRLS LOCKER - E 2
SCALE: 1/4" = 1'-0"

1D GIRLS LOCKER - W
SCALE: 1/4" = 1'-0"

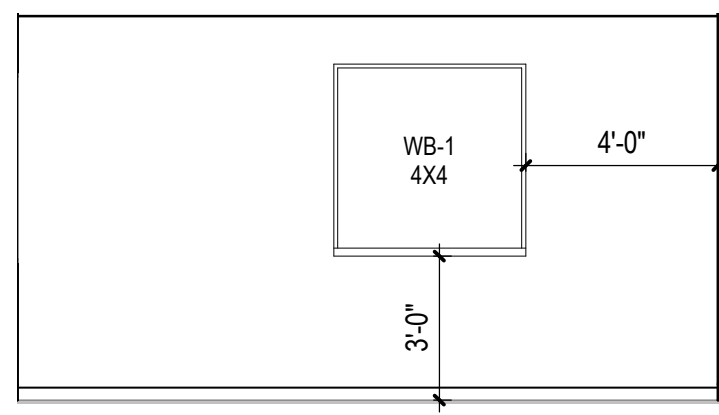
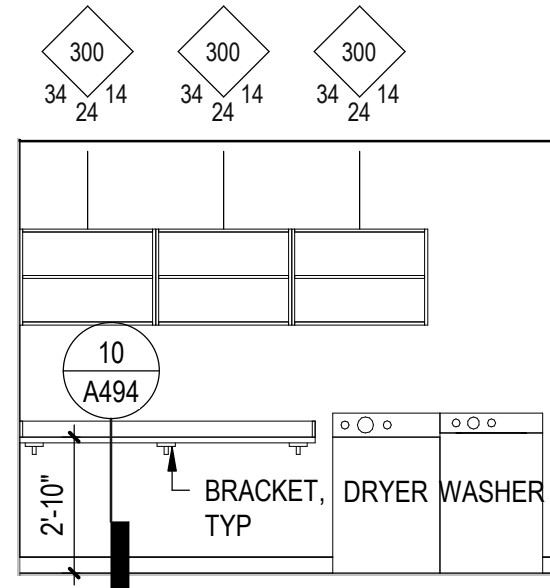
1C GIRLS LOCKER - N
SCALE: 1/4" = 1'-0"



2C BOYS LOCKER - S
SCALE: 1/4" = 1'-0"

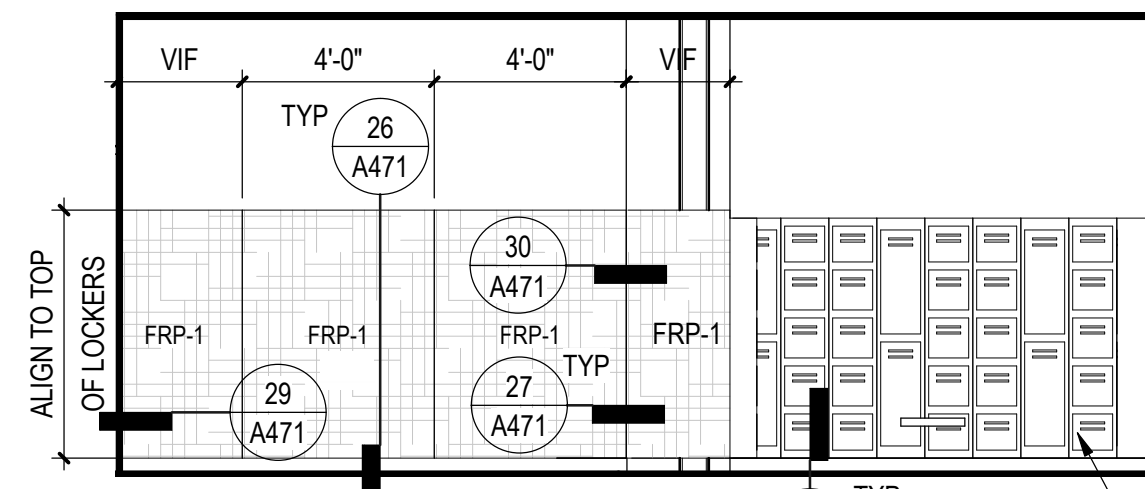
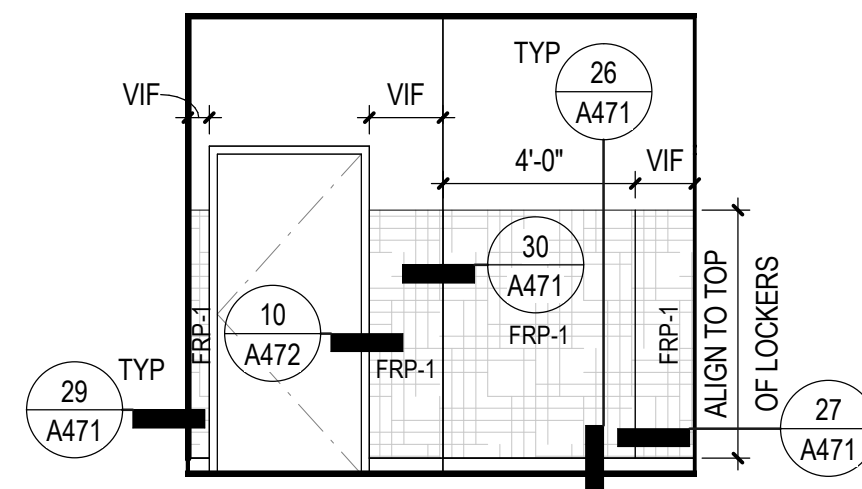
2B BOYS LOCKER - E
SCALE: 1/4" = 1'-0"

2A BOYS LOCKER - N
SCALE: 1/4" = 1'-0"



2G LAUNDRY - S
SCALE: 1/4" = 1'-0"

2F OFFICE 005 - N
SCALE: 1/4" = 1'-0"



2E BOYS LOCKER - E 2
SCALE: 1/4" = 1'-0"

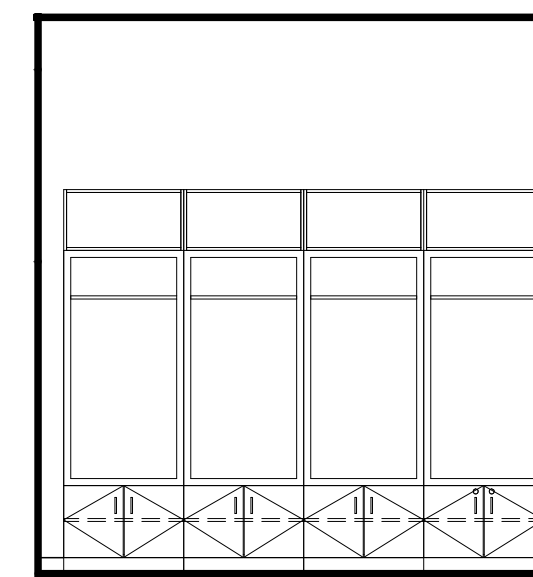
2D BOYS LOCKER - W
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

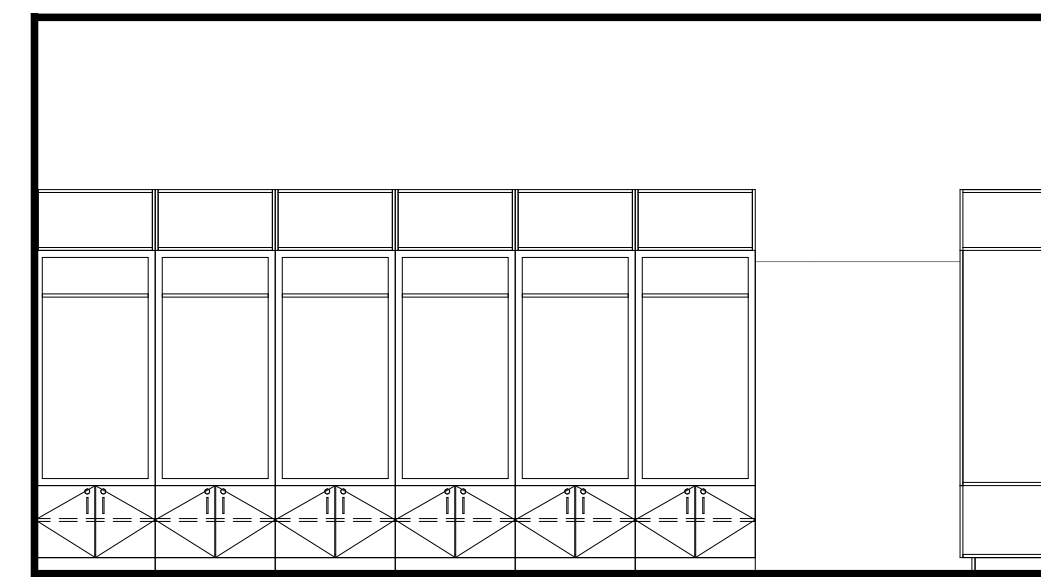
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- REFER TO A451 FOR CASEWORK LEGEND.
- PROVIDE FILLER PANELS AT ALL LOCATIONS.



3C STORAGE 010/047 - S
SCALE: 1/4" = 1'-0"



3B STORAGE 010/047 - E
SCALE: 1/4" = 1'-0"



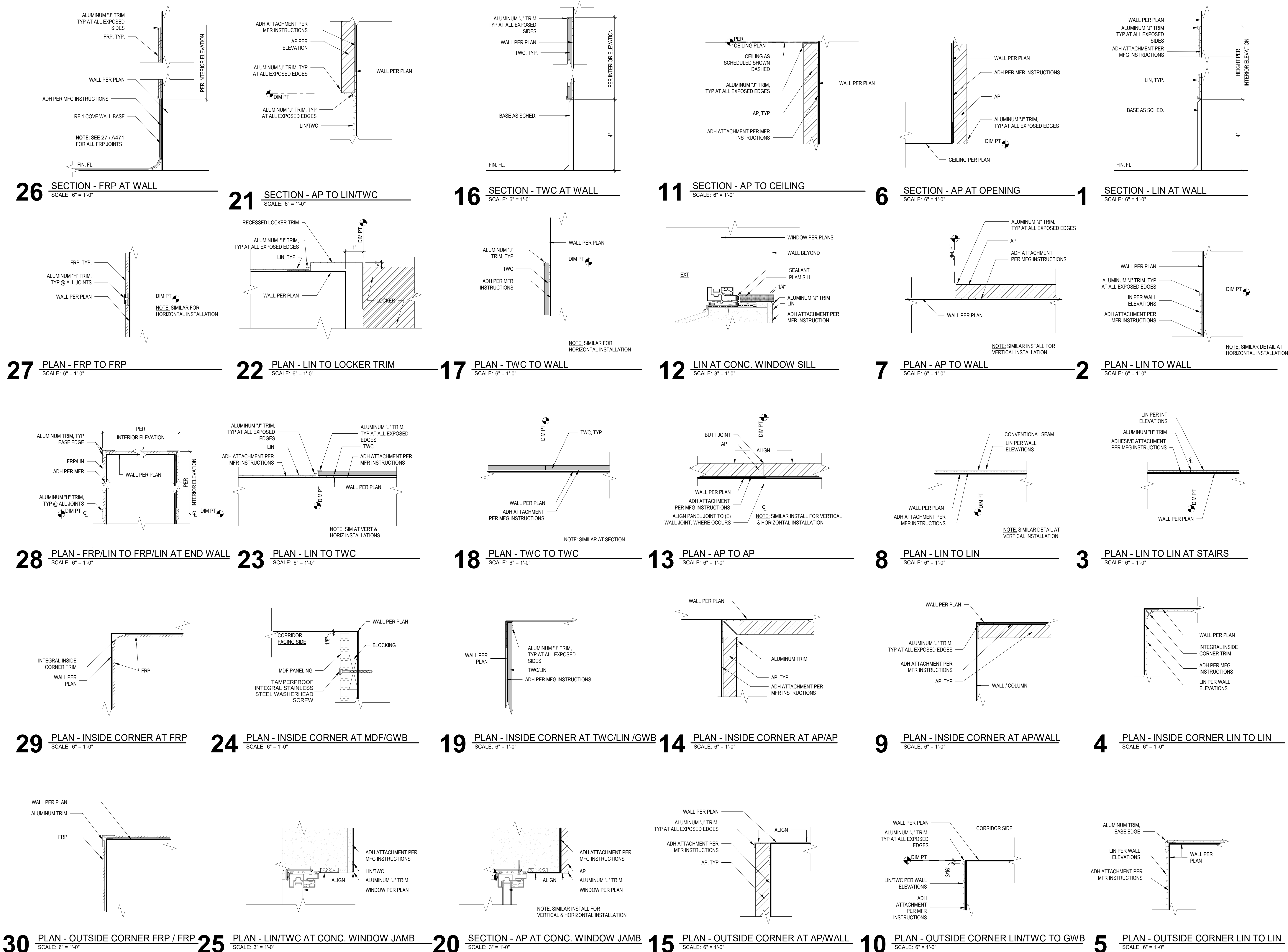
3A STORAGE 010/047 - N
SCALE: 1/4" = 1'-0"

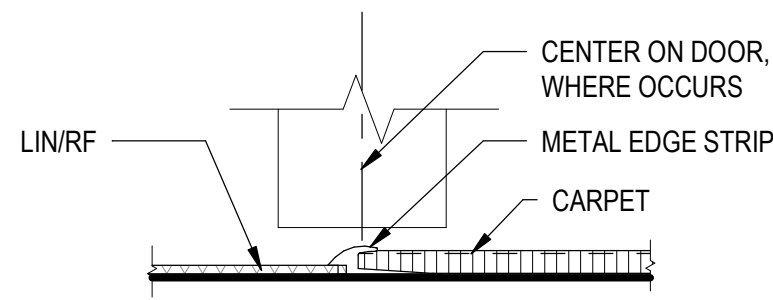
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
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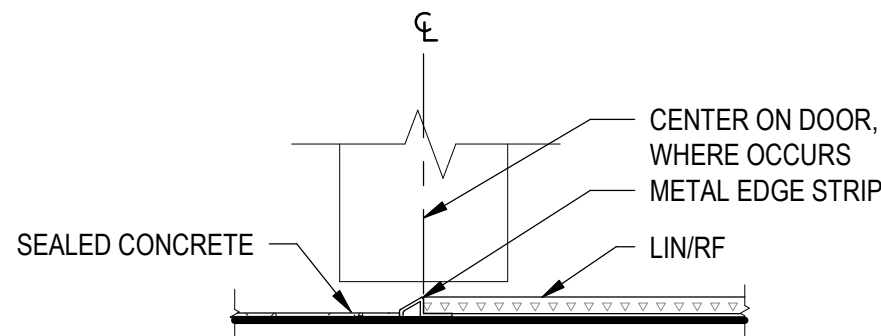
INTERIOR
ELEVATIONS -
LOCKER ROOMS

A463

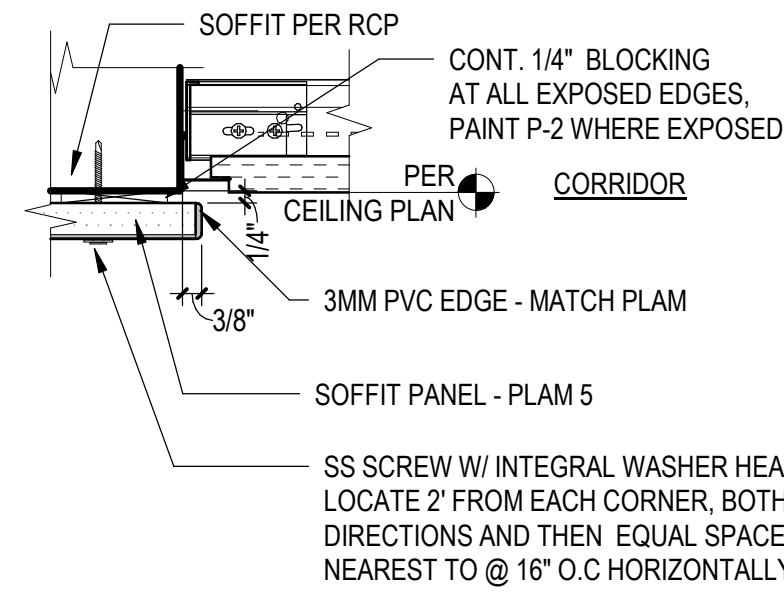




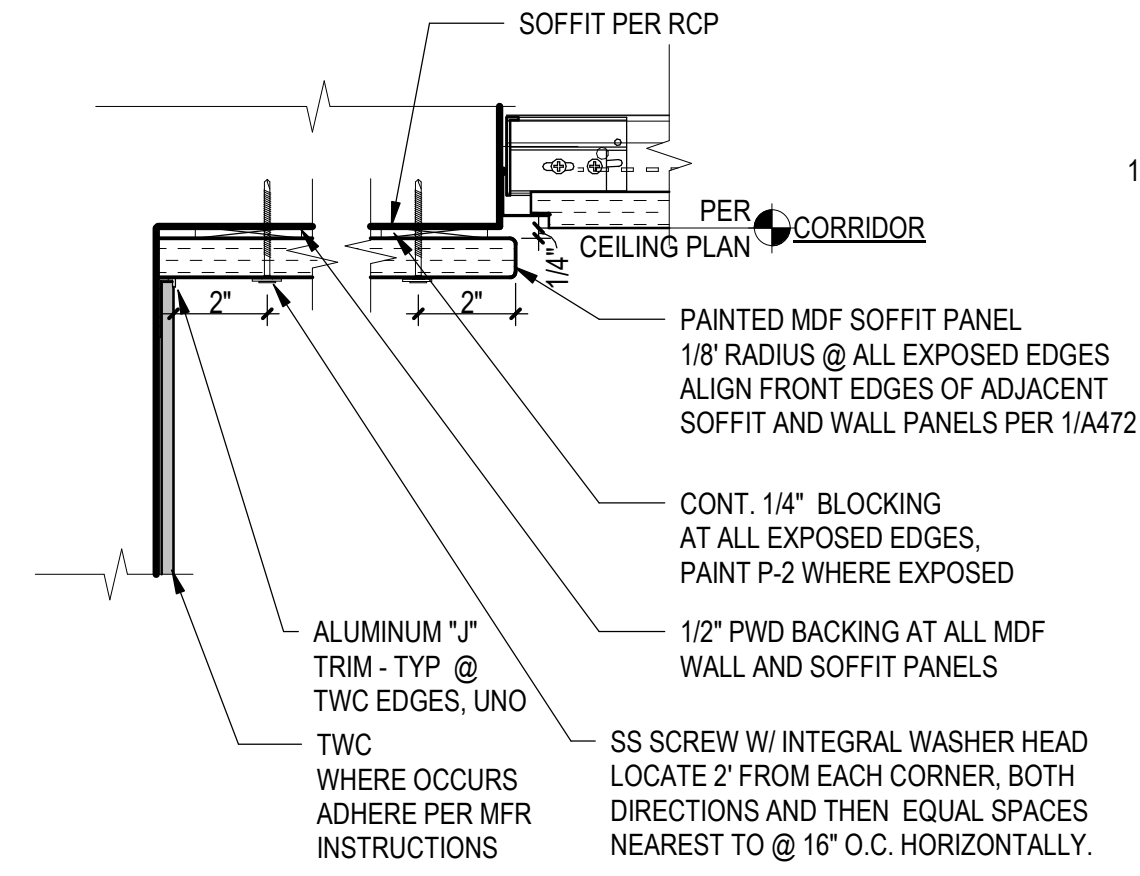
21 LIN/RF TO CPT / WOM
SCALE: 6" = 1'-0"



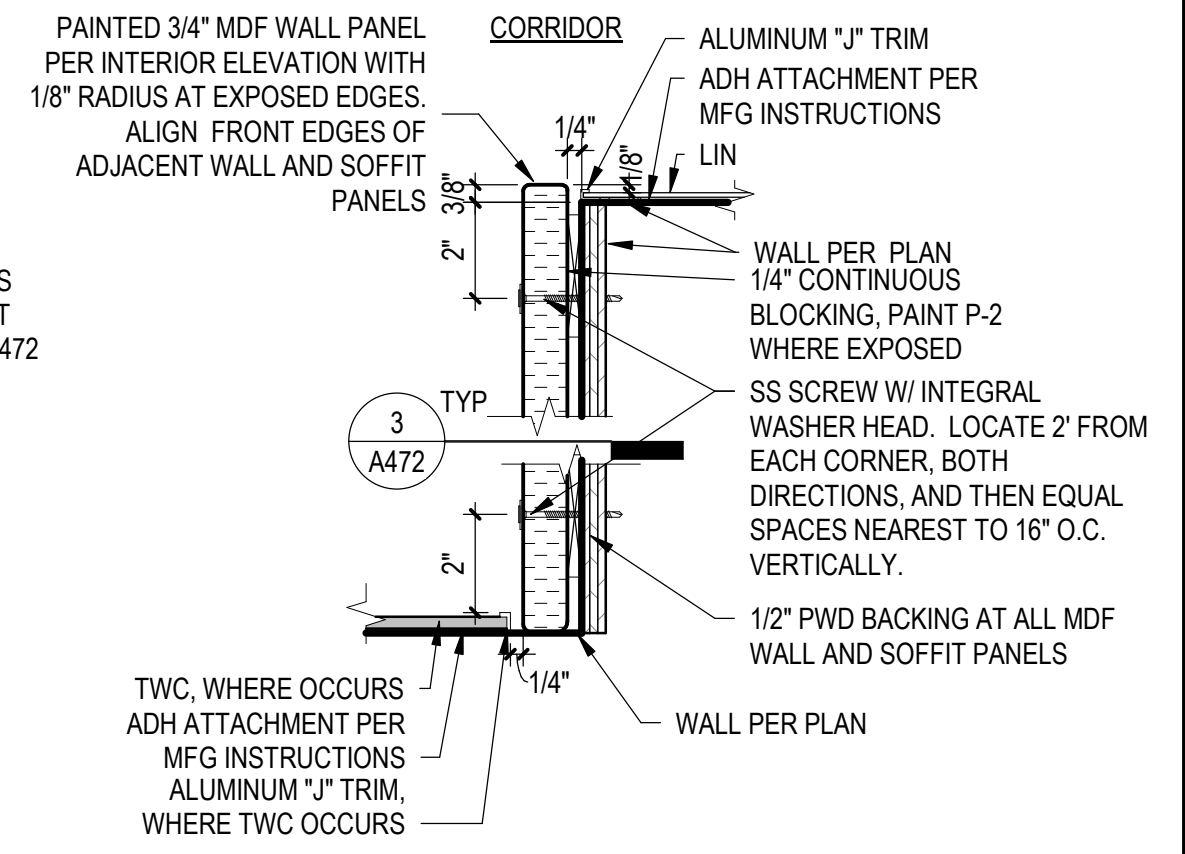
16 LIN/RF TO CONC
SCALE: 6" = 1'-0"



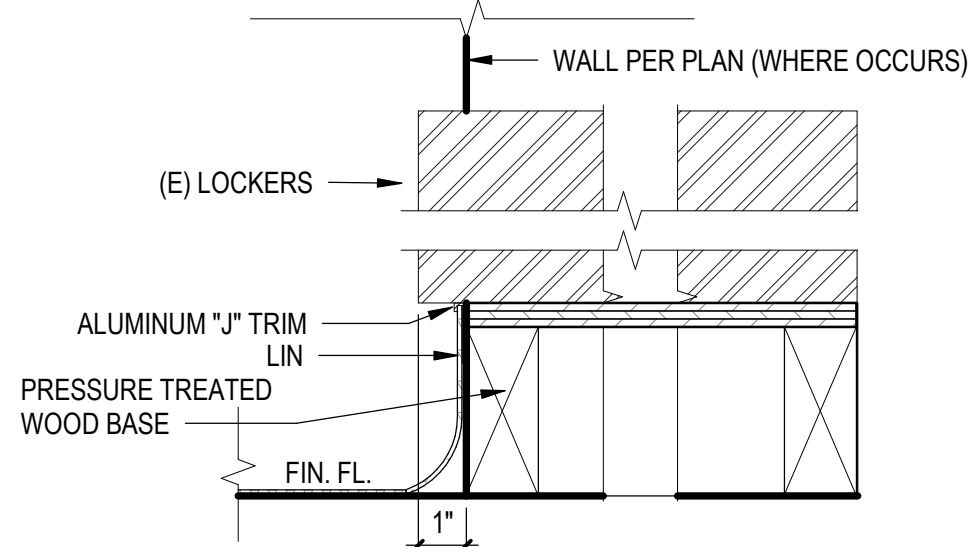
11 SECTION - ALCOVE SOFFIT - PLAM
SCALE: 3" = 1'-0"



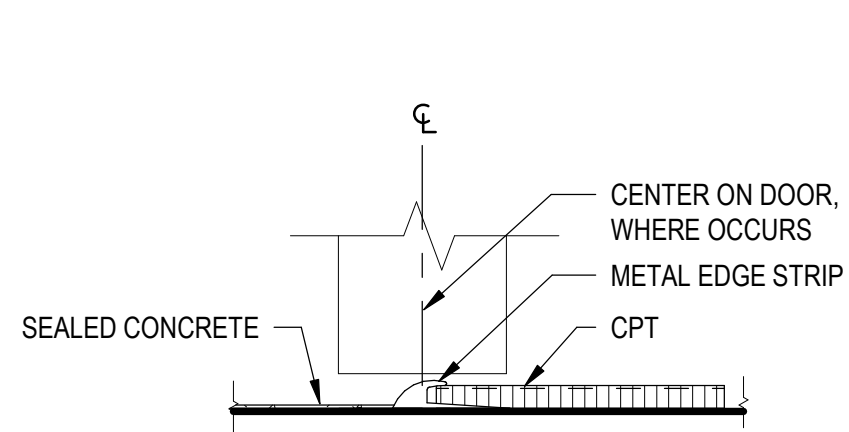
6 SECTION - ALCOVE SOFFIT PANEL
SCALE: 3" = 1'-0"



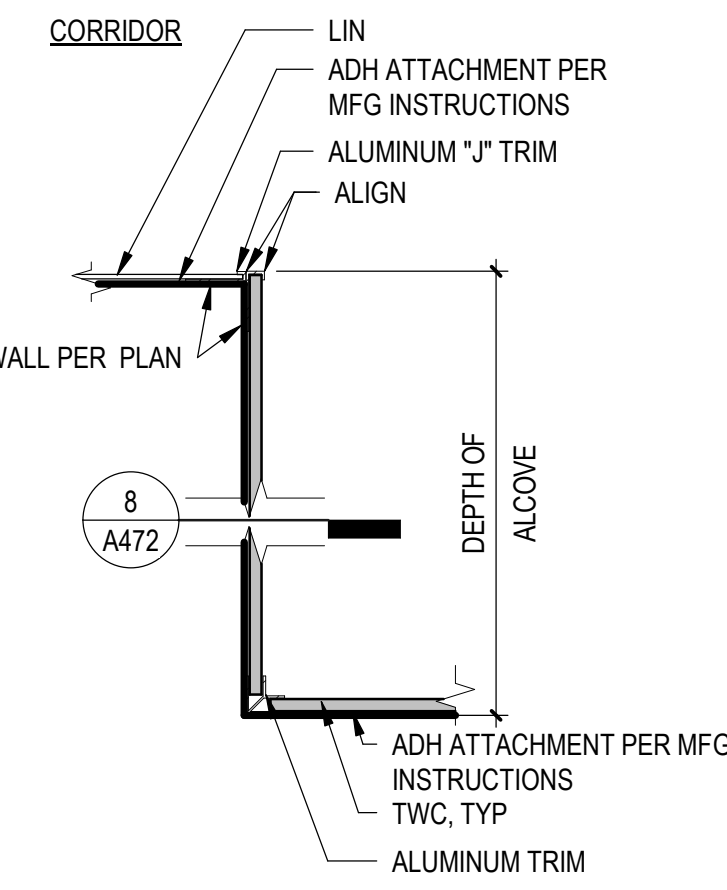
1 PLAN - OUTSIDE CORNER AT ALCOVE
SCALE: 3" = 1'-0"



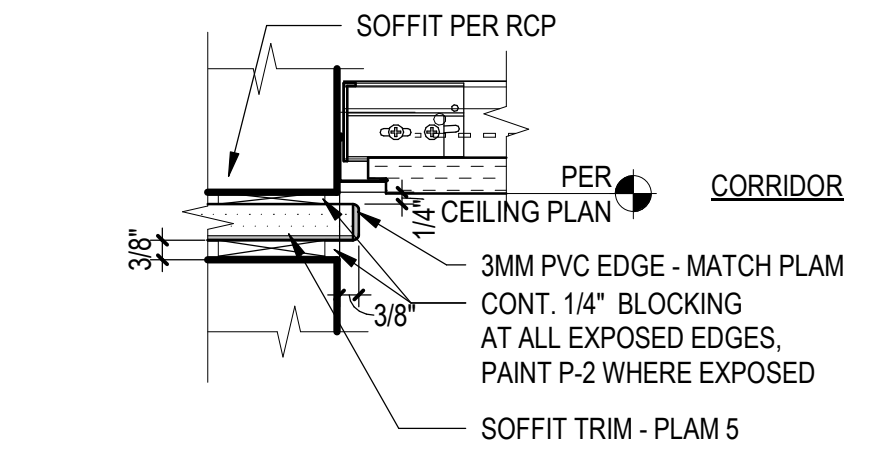
22 SECTION - LIN AT LOCKER BASE
SCALE: 3" = 1'-0"



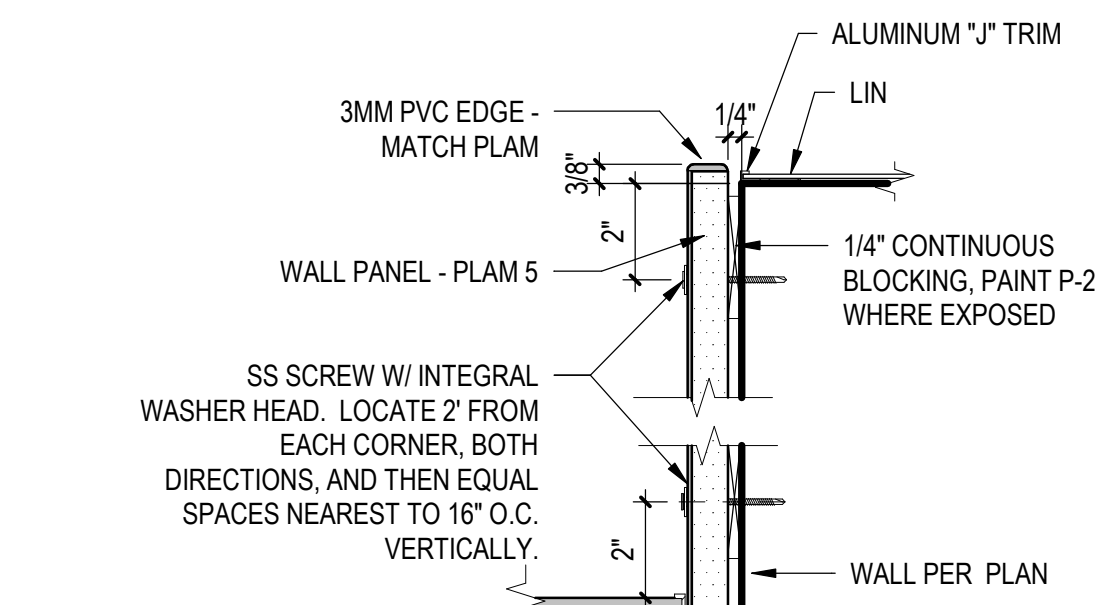
17 CPT TO CONC
SCALE: 6" = 1'-0"



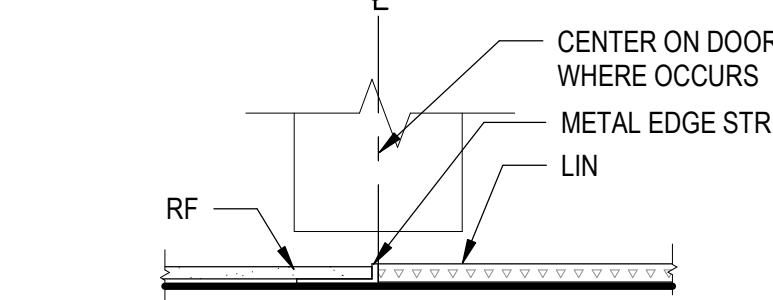
12 PLAN - OUTSIDE CORNER AT ALCOVE 2
SCALE: 3" = 1'-0"



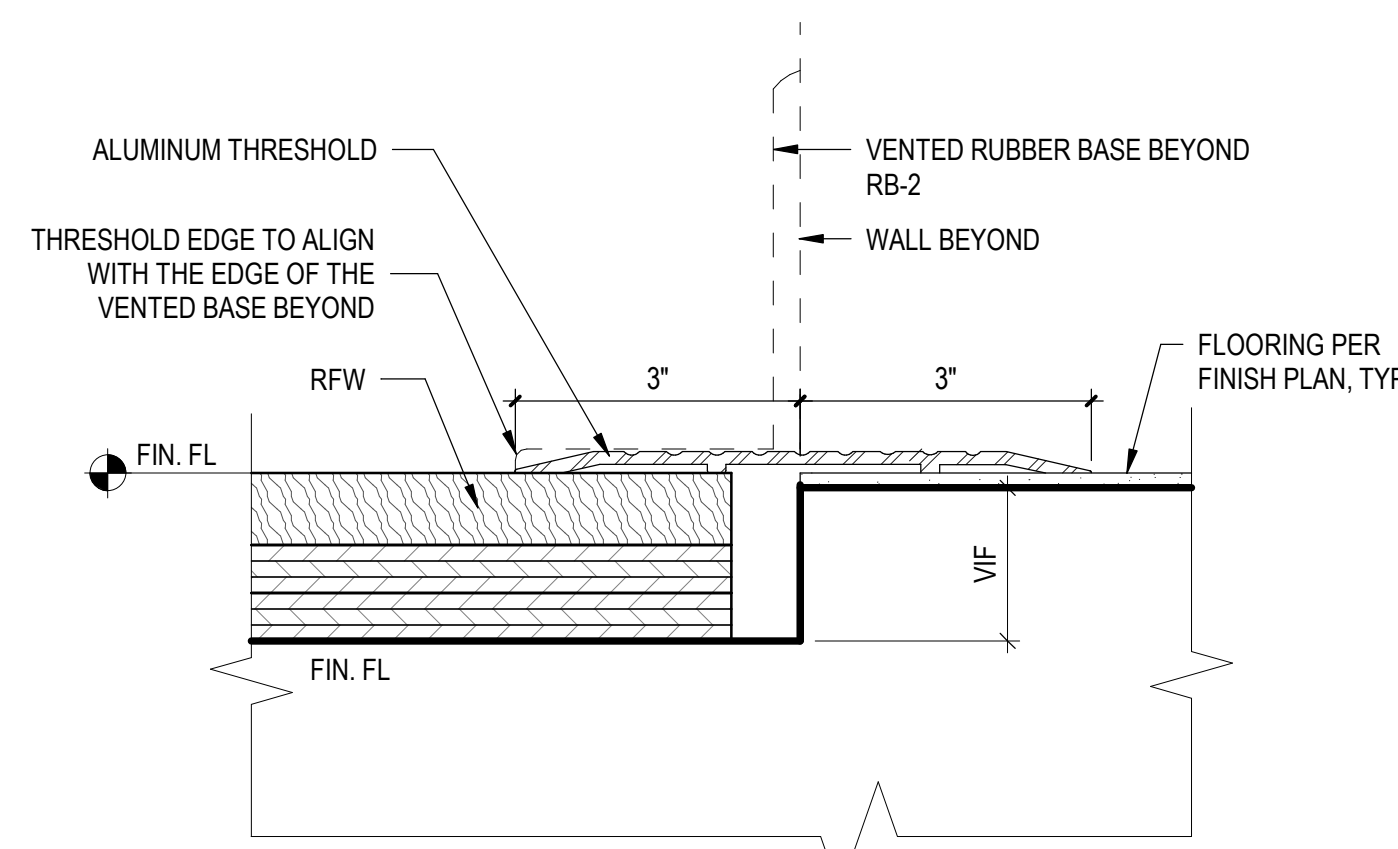
7 SECTION - PLAM SOFFIT TRIM
SCALE: 3" = 1'-0"



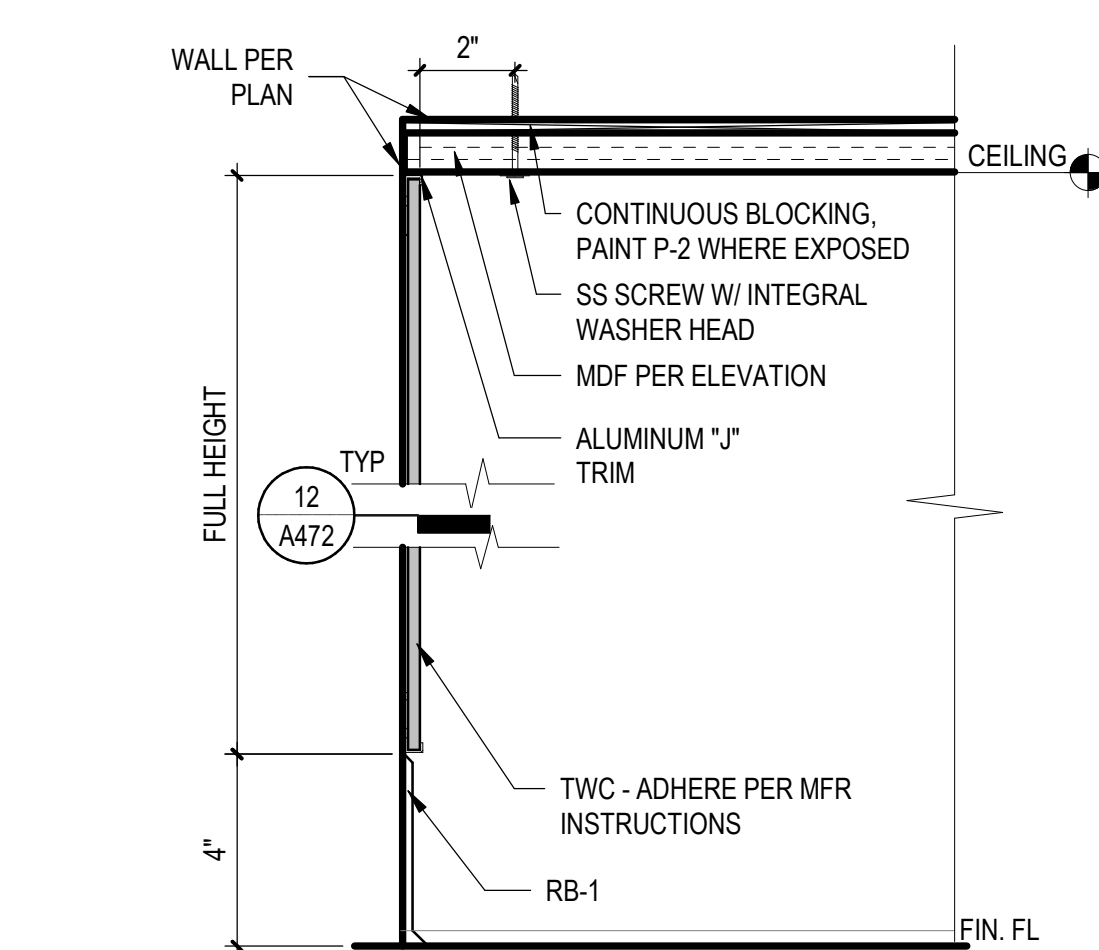
2 PLAN - PLAM WALL PANEL
SCALE: 3" = 1'-0"



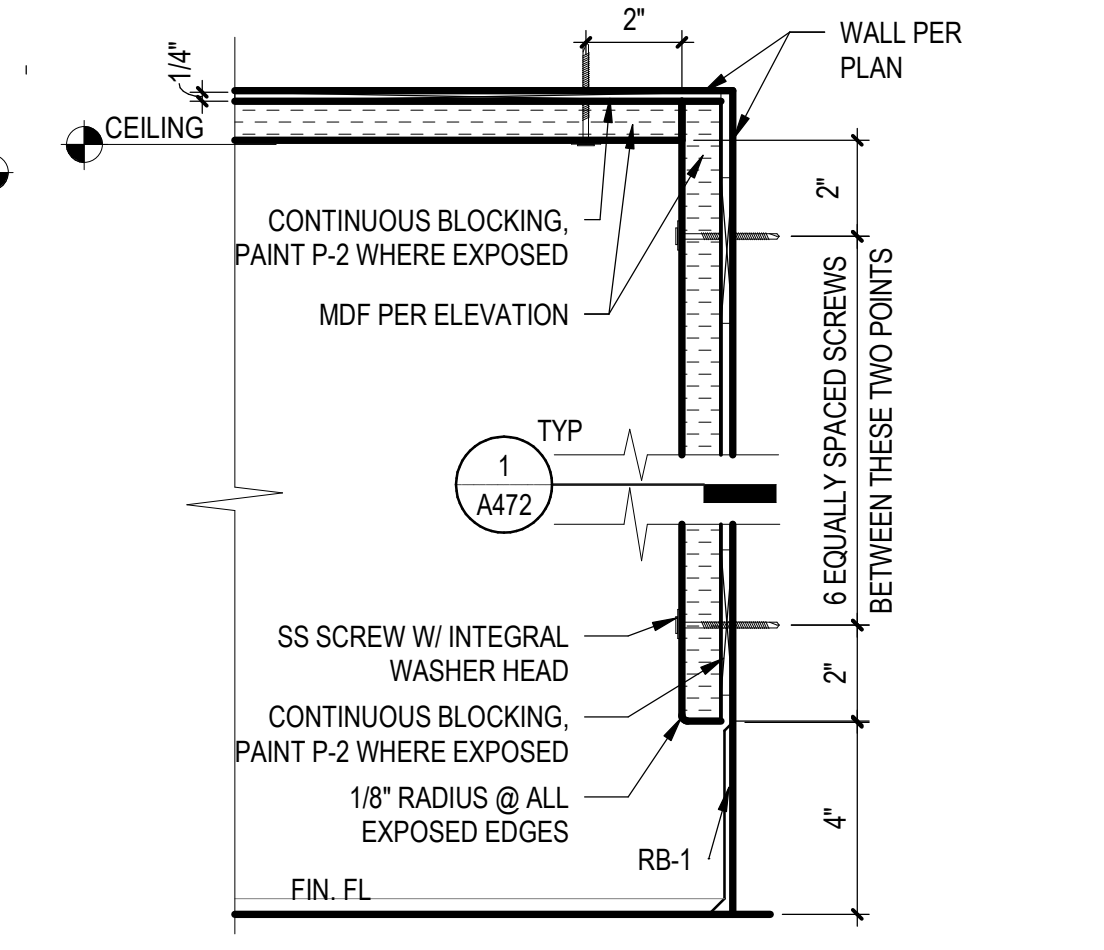
23 LIN TO RF
SCALE: 6" = 1'-0"



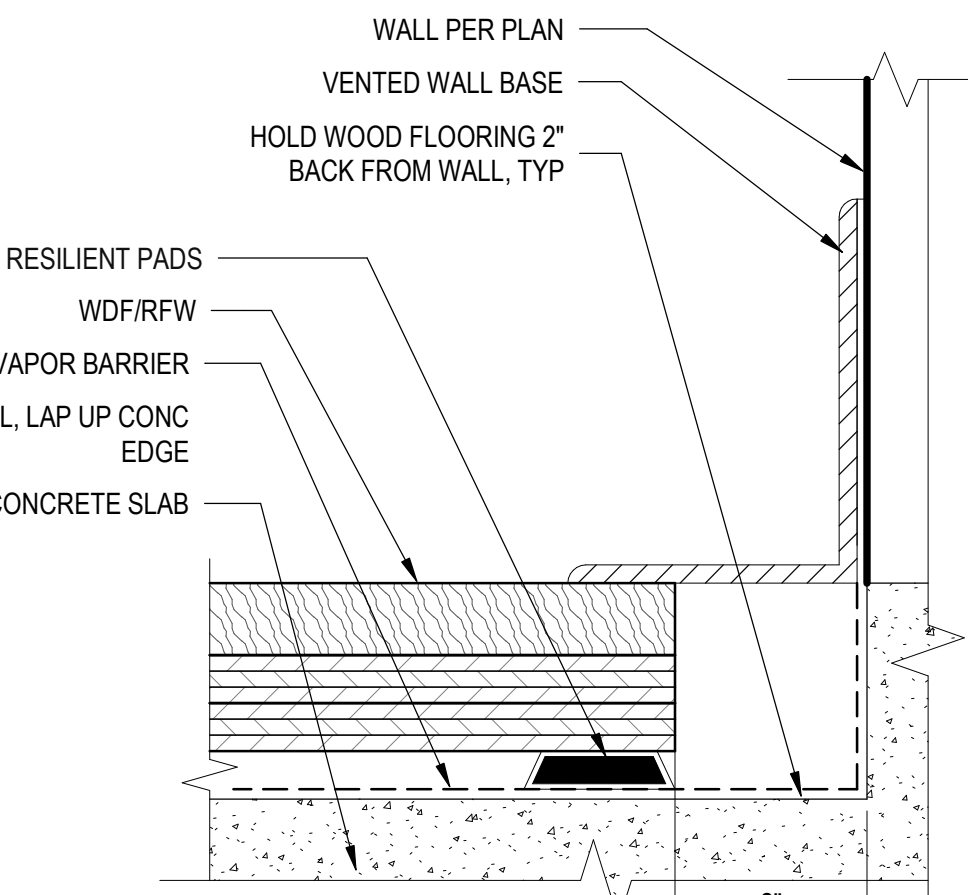
18 SECTION - RFW TO LIN/CONC
SCALE: 6" = 1'-0"



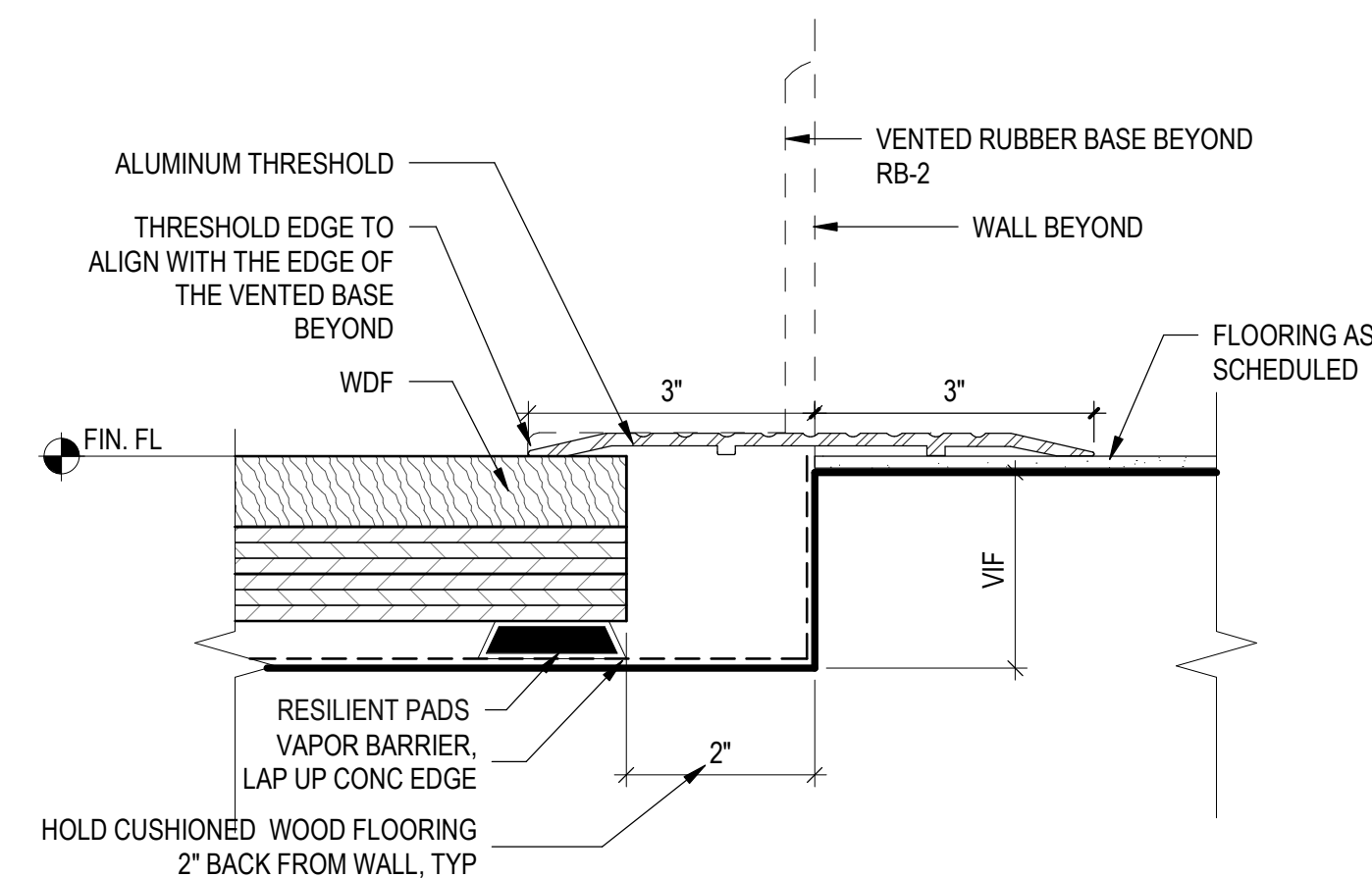
8 SECTION - ALCOVE W/ TWC
SCALE: 3" = 1'-0"



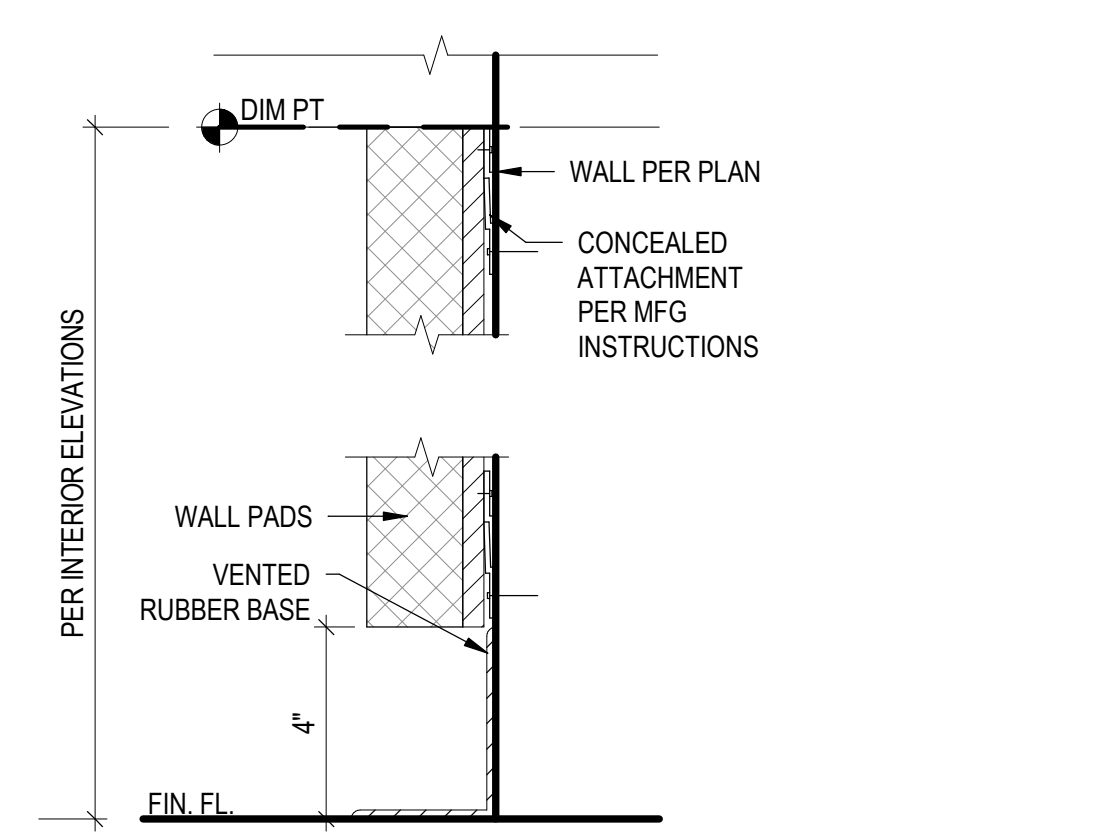
3 SECTION - ALCOVE W/ MDF
SCALE: 3" = 1'-0"



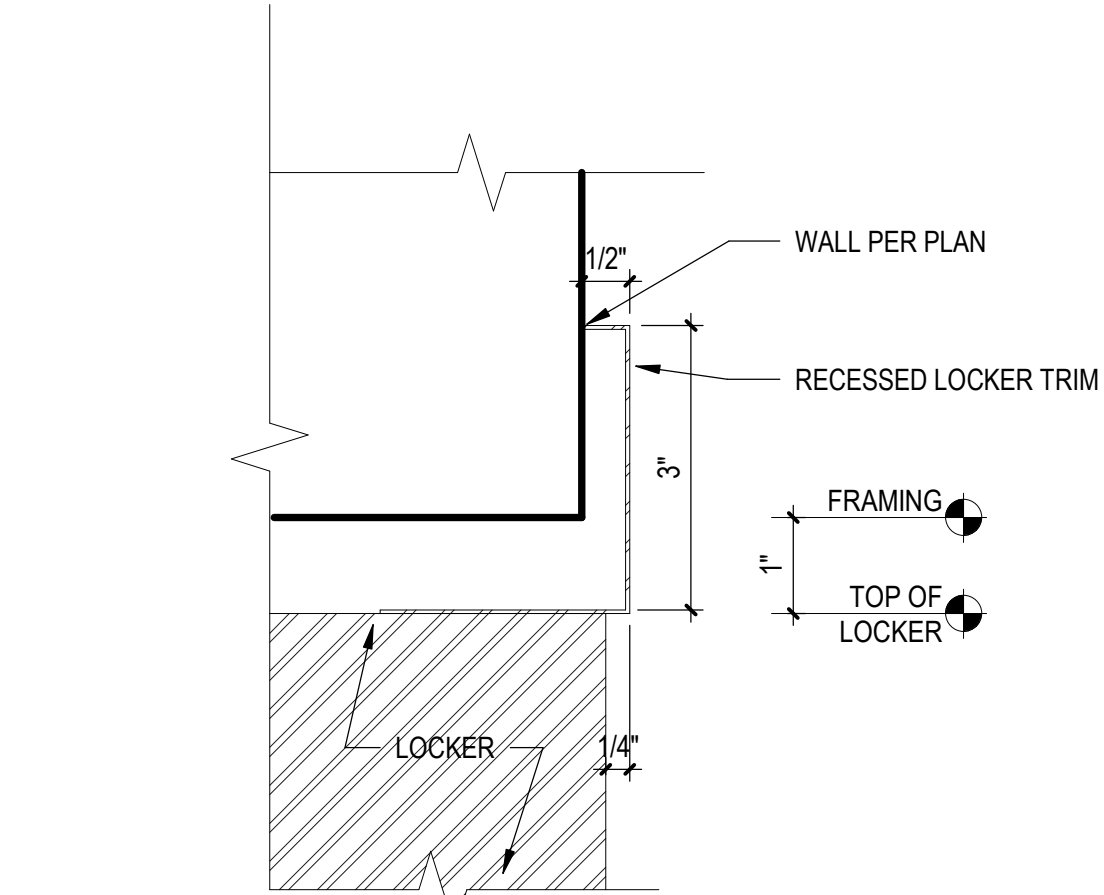
24 SECTION - WDF/RFW AT WALL1
SCALE: 6" = 1'-0"



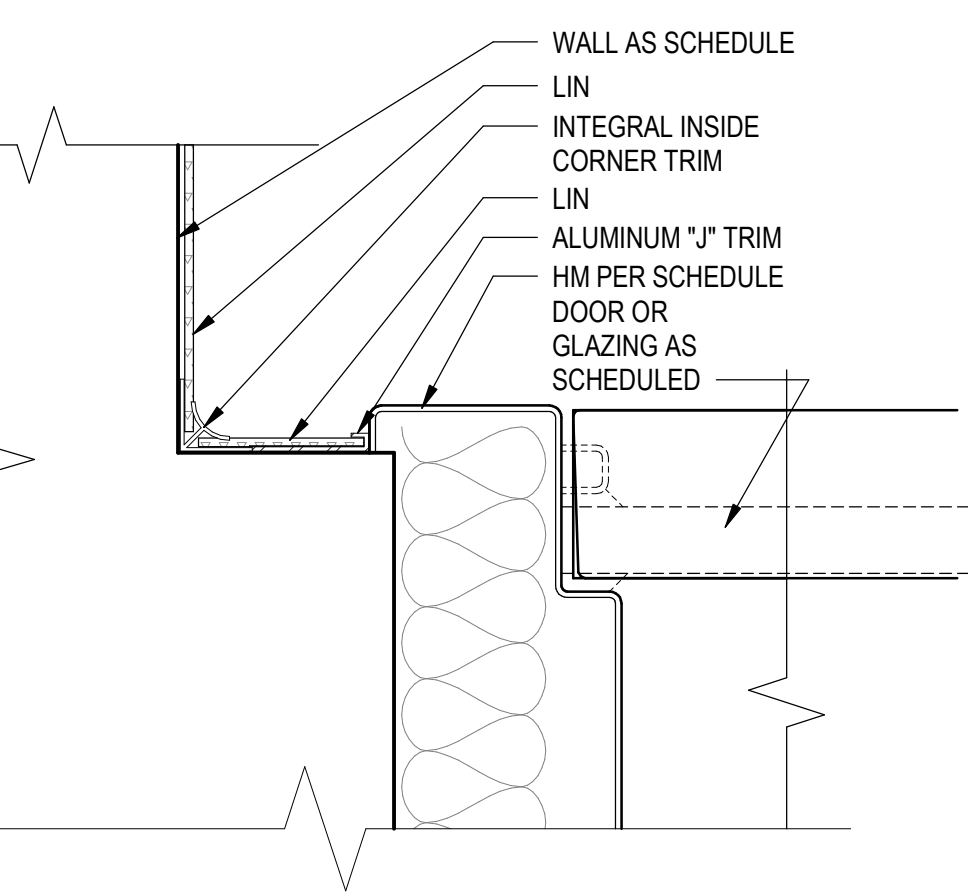
19 SECTION - WDF TO LIN/CONC
SCALE: 6" = 1'-0"



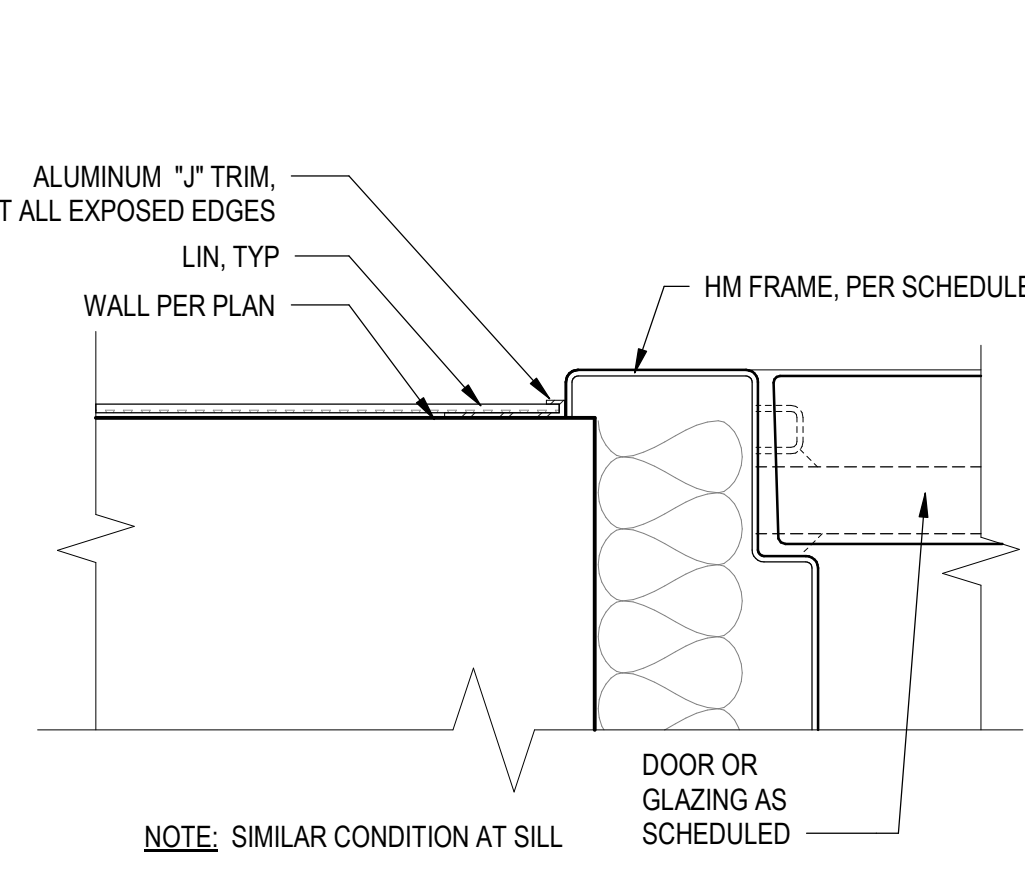
9 SECTION - WALL PAD AT WALL
SCALE: 3" = 1'-0"



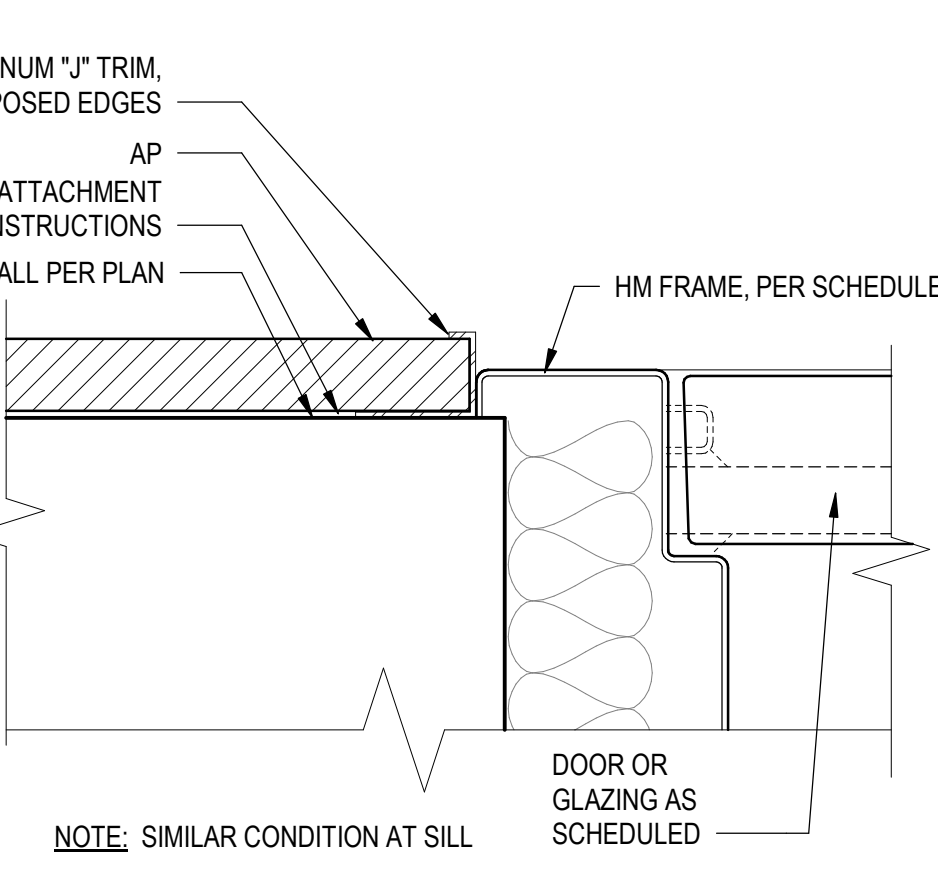
4 SECTION - LOCKER TRIM
SCALE: 6" = 1'-0"



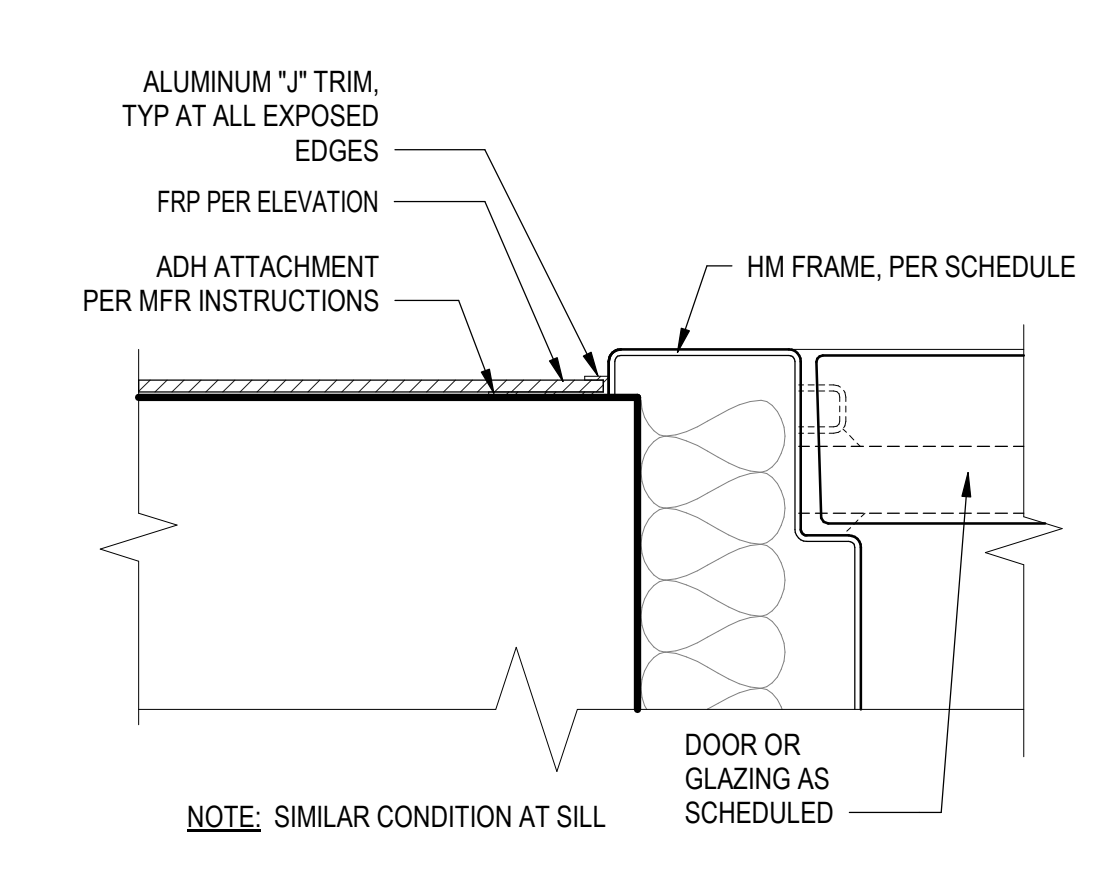
25 PLAN - INSIDE CORNER AT LIN TO HM
SCALE: 6" = 1'-0"



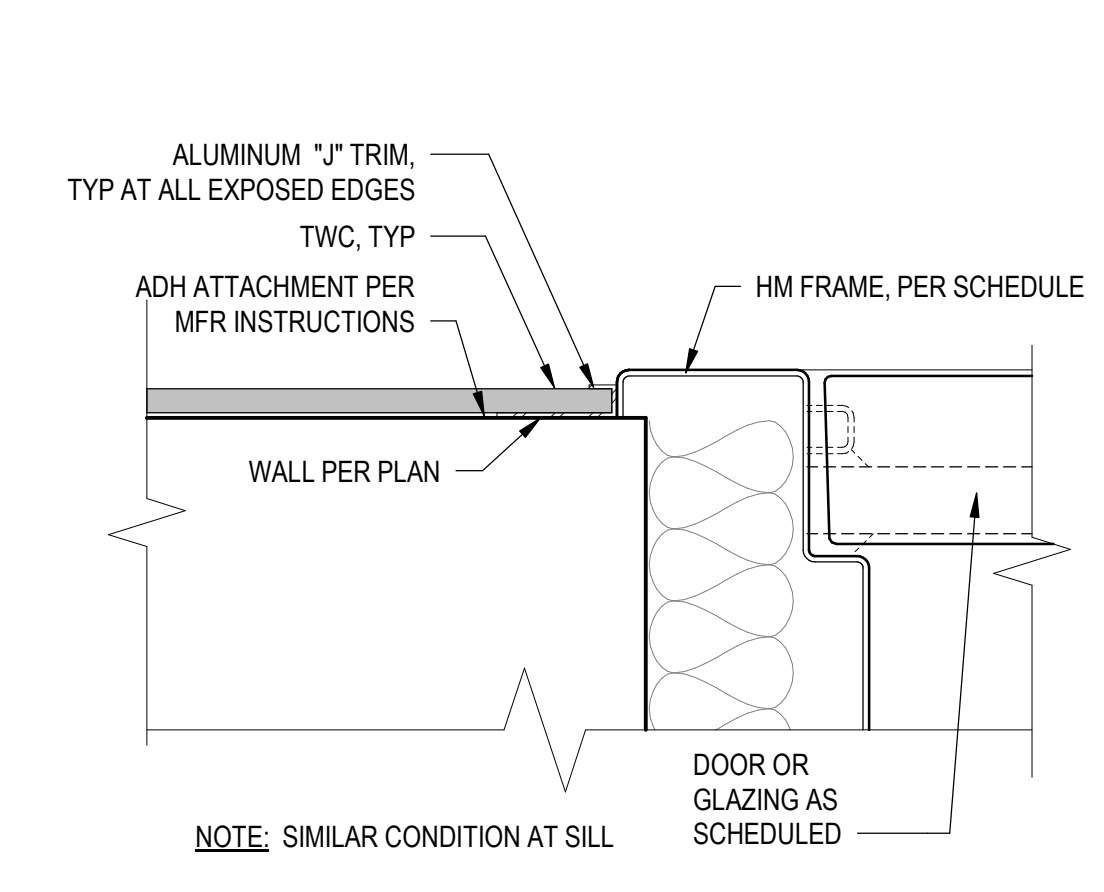
20 PLAN - LIN TO HM
SCALE: 6" = 1'-0"



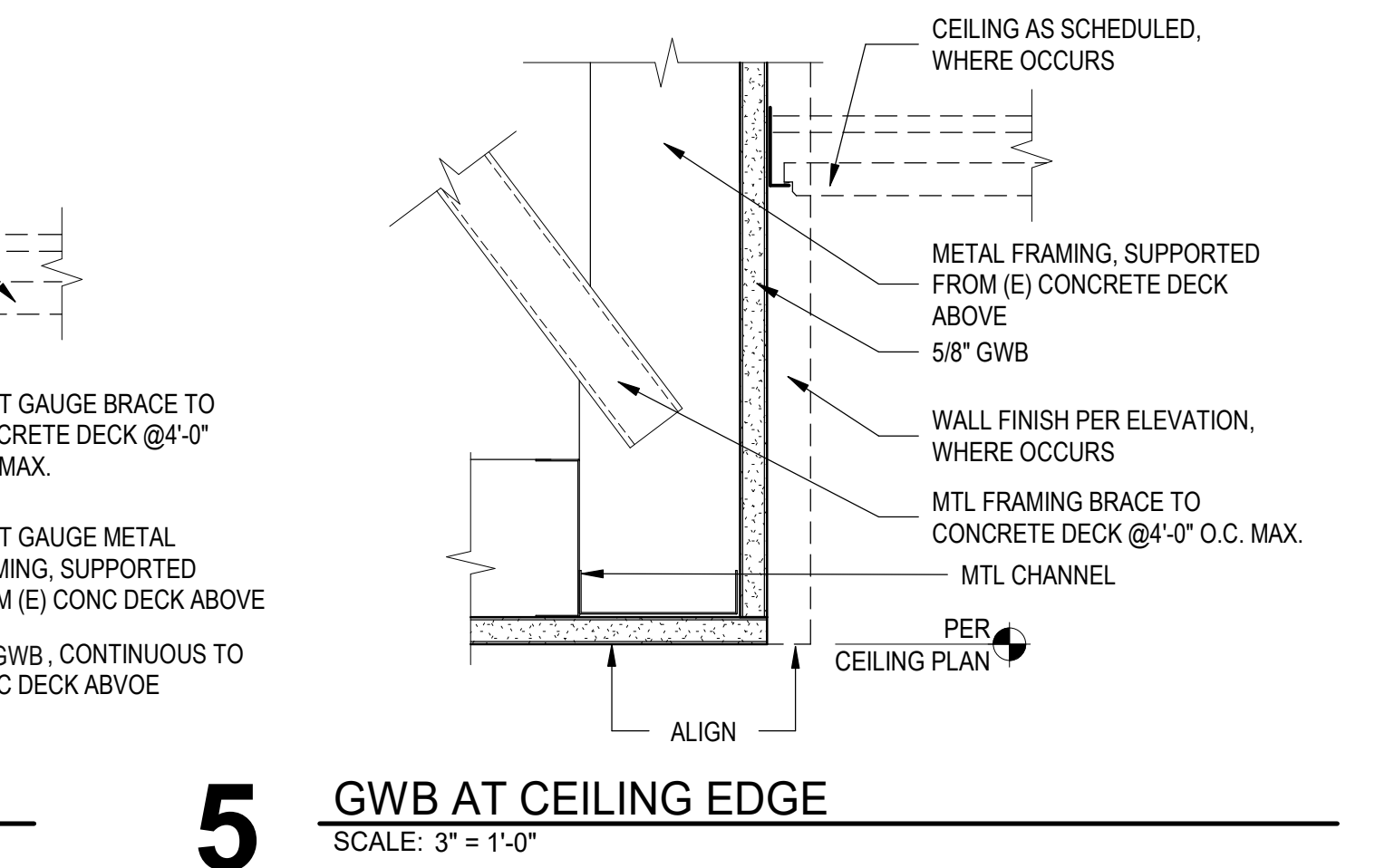
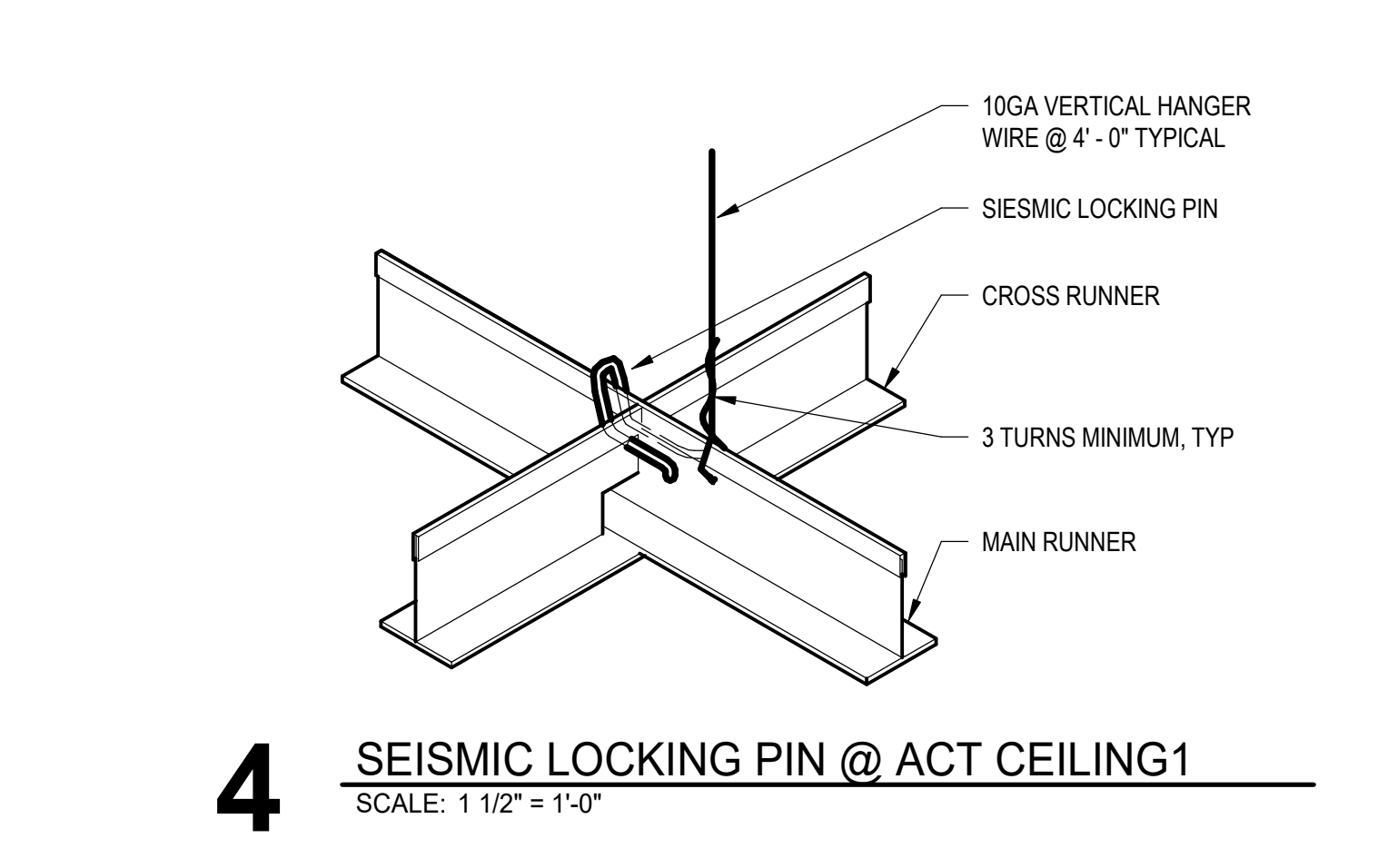
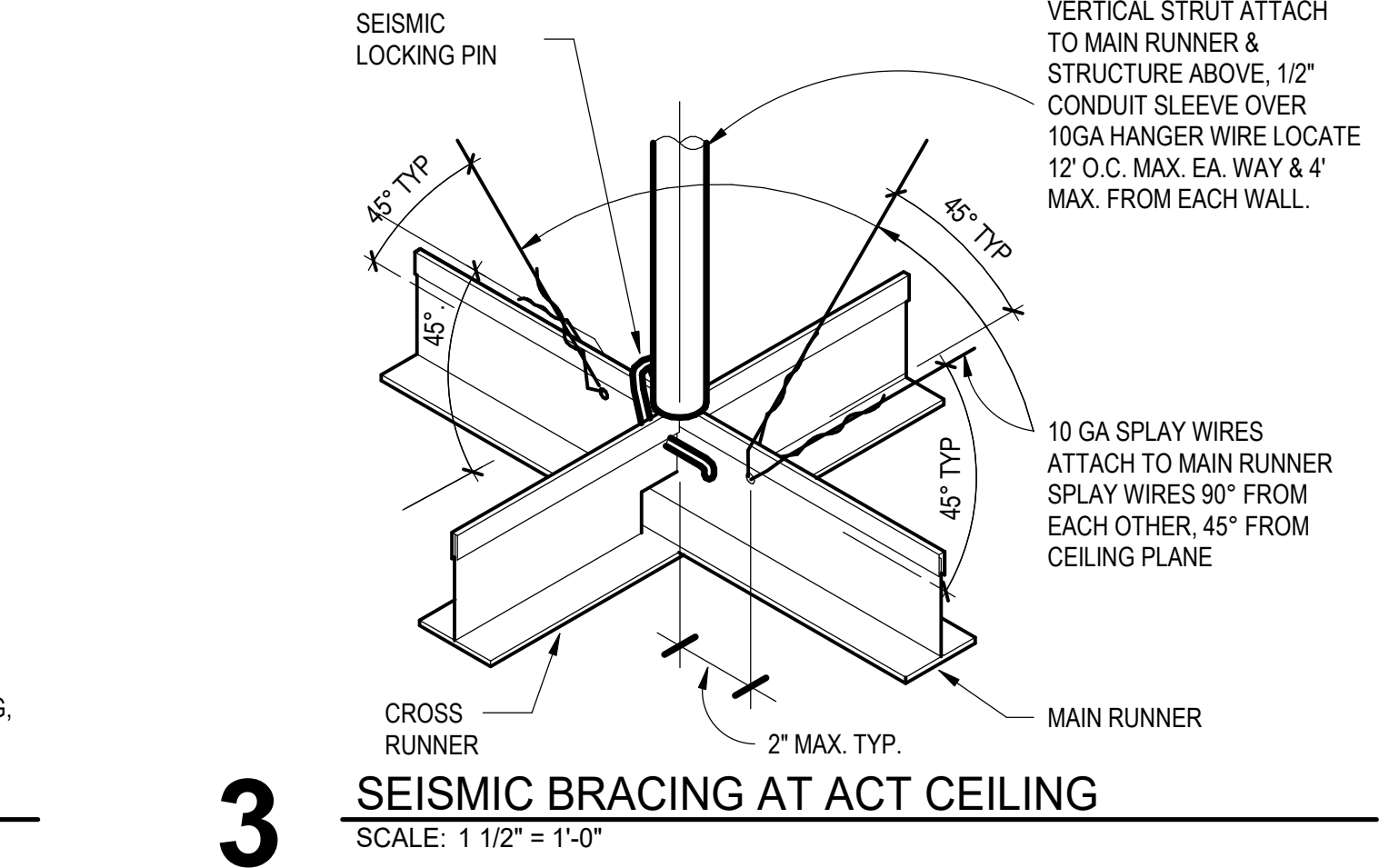
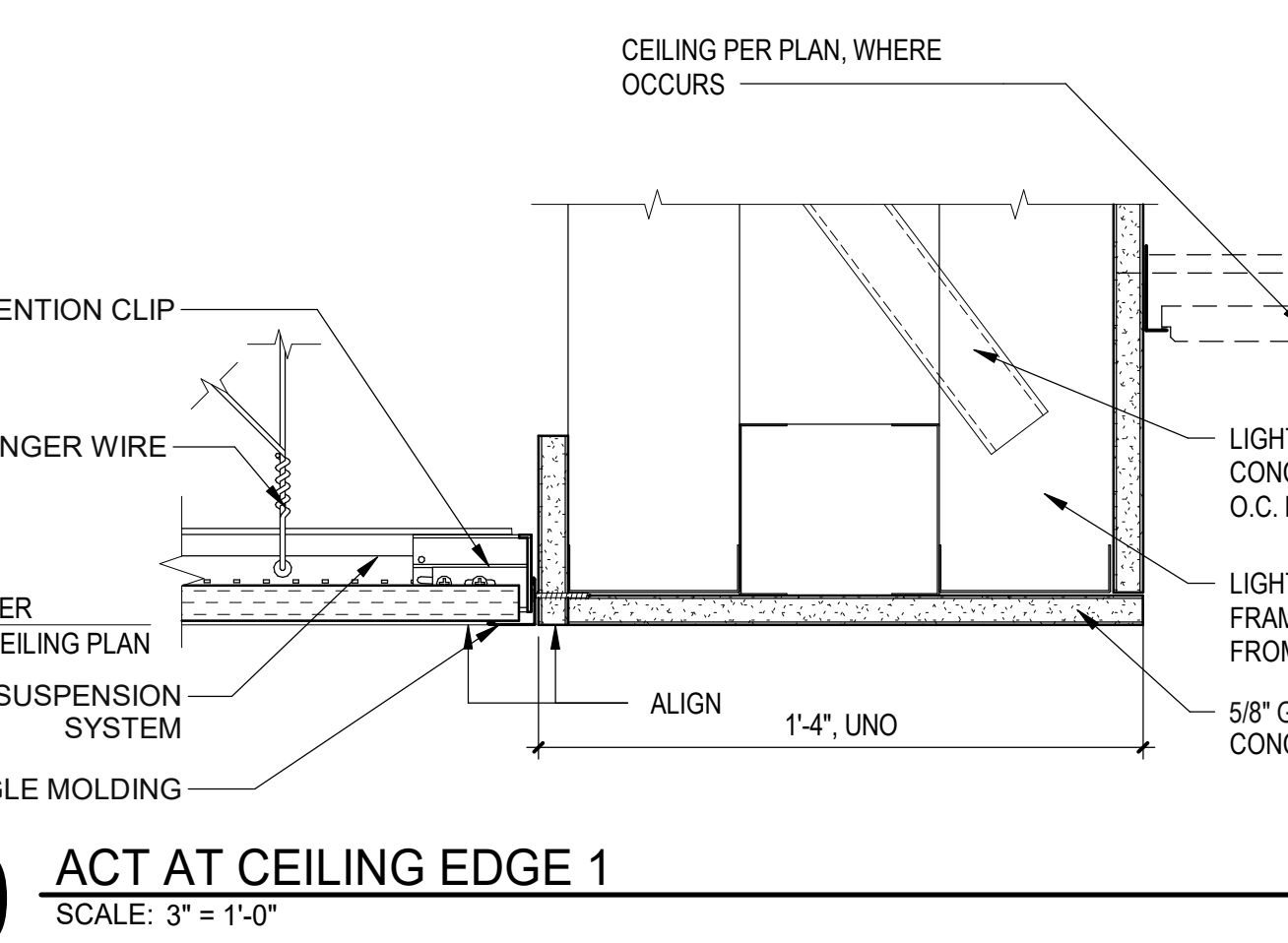
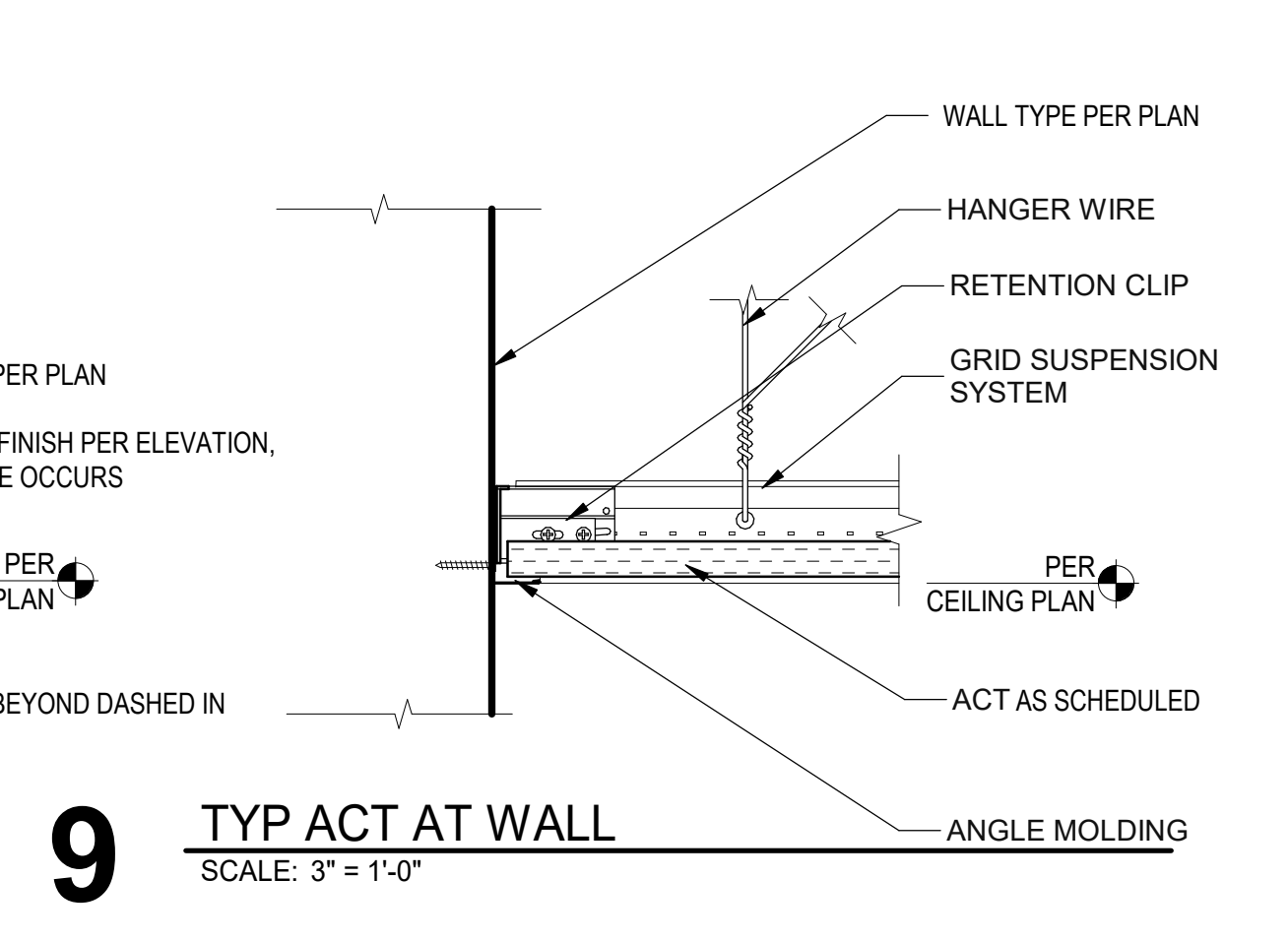
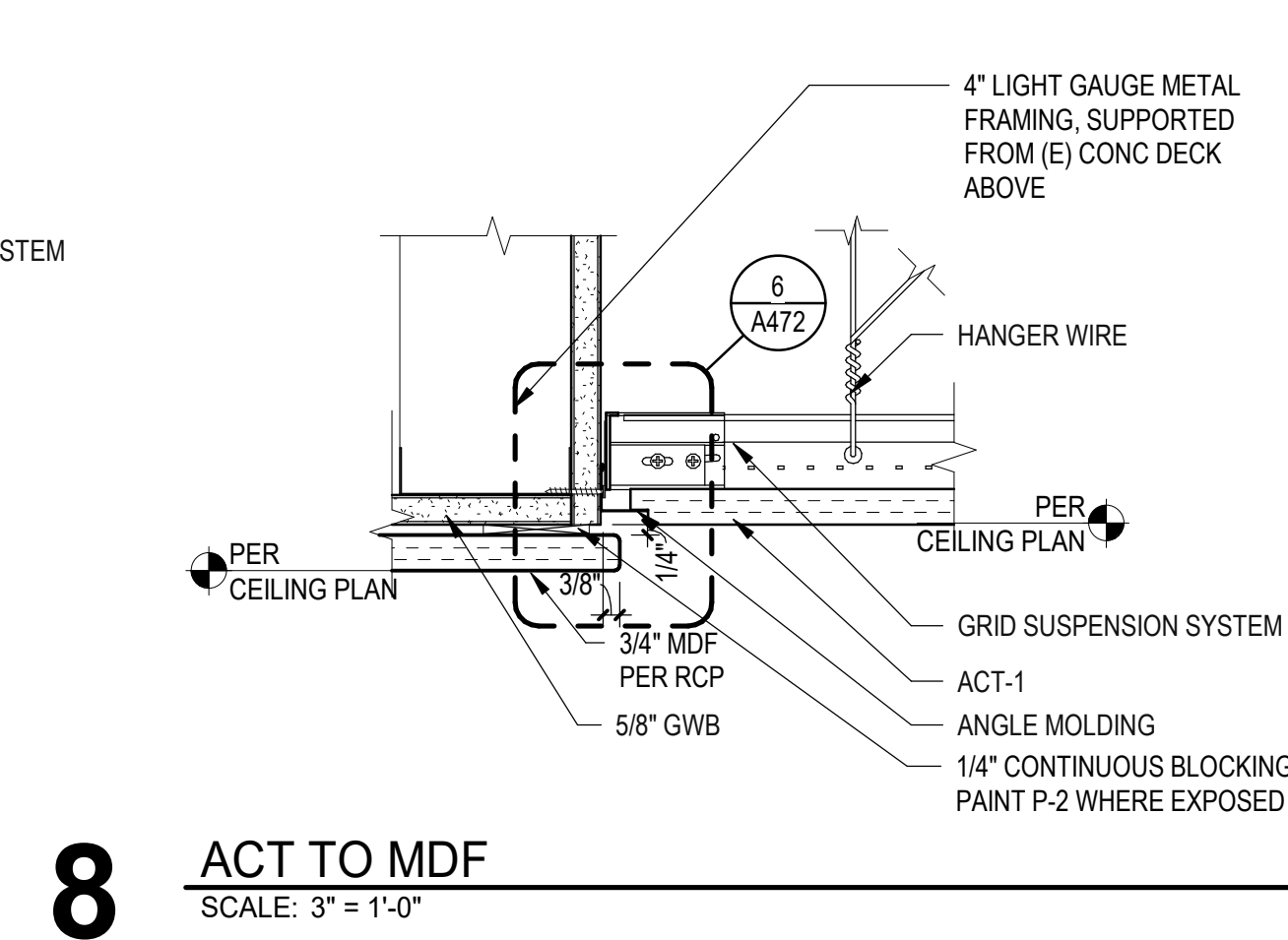
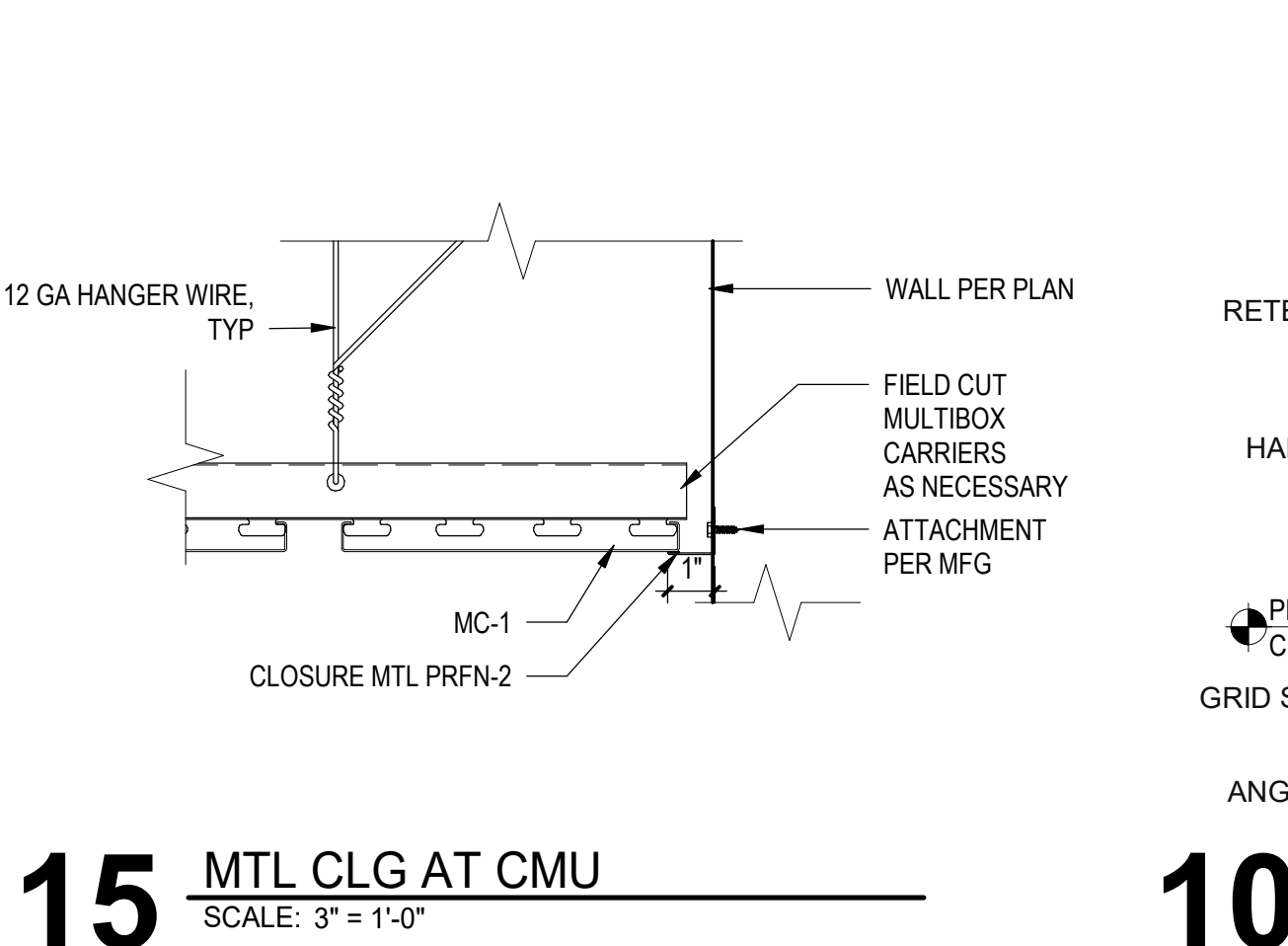
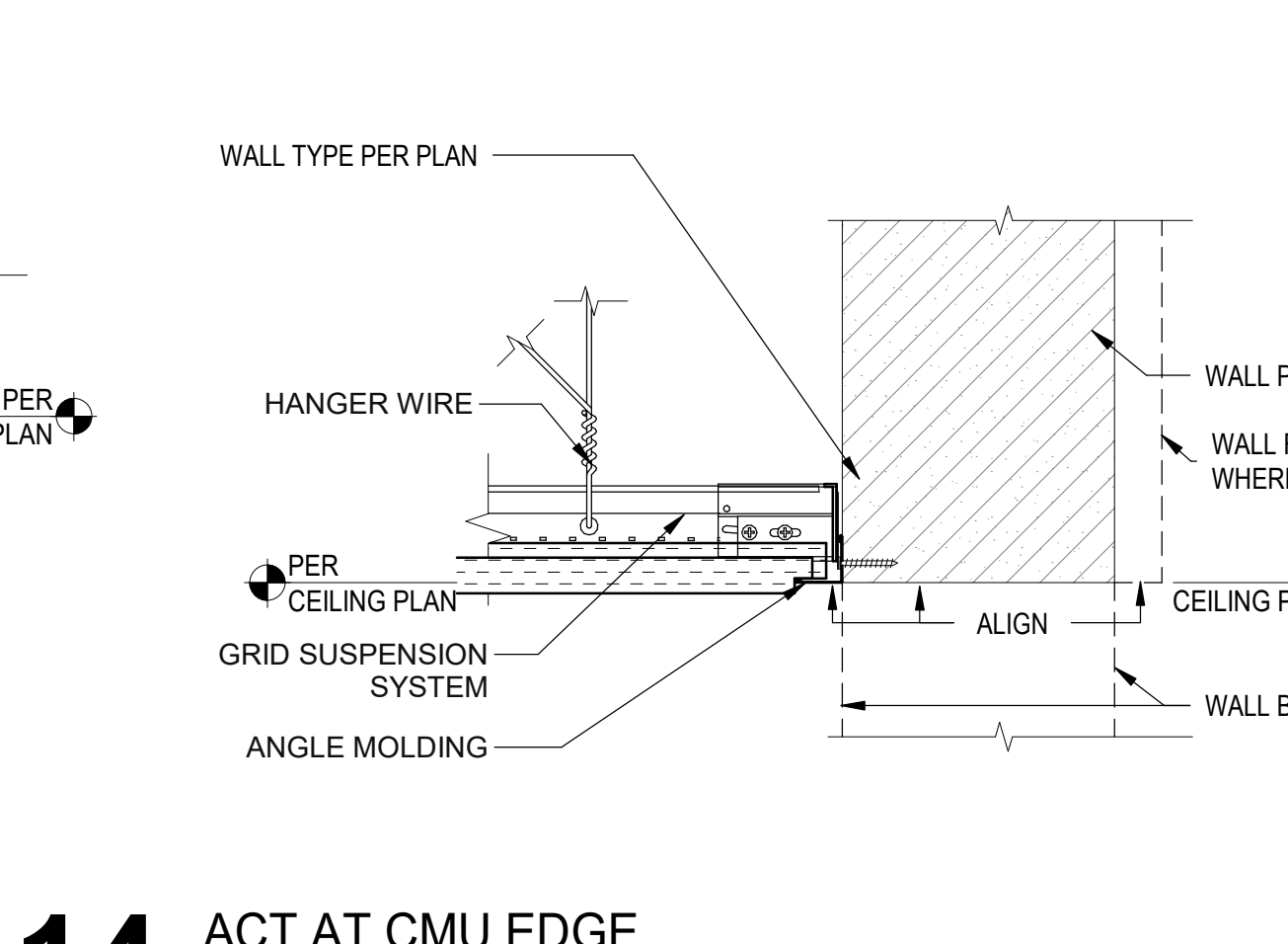
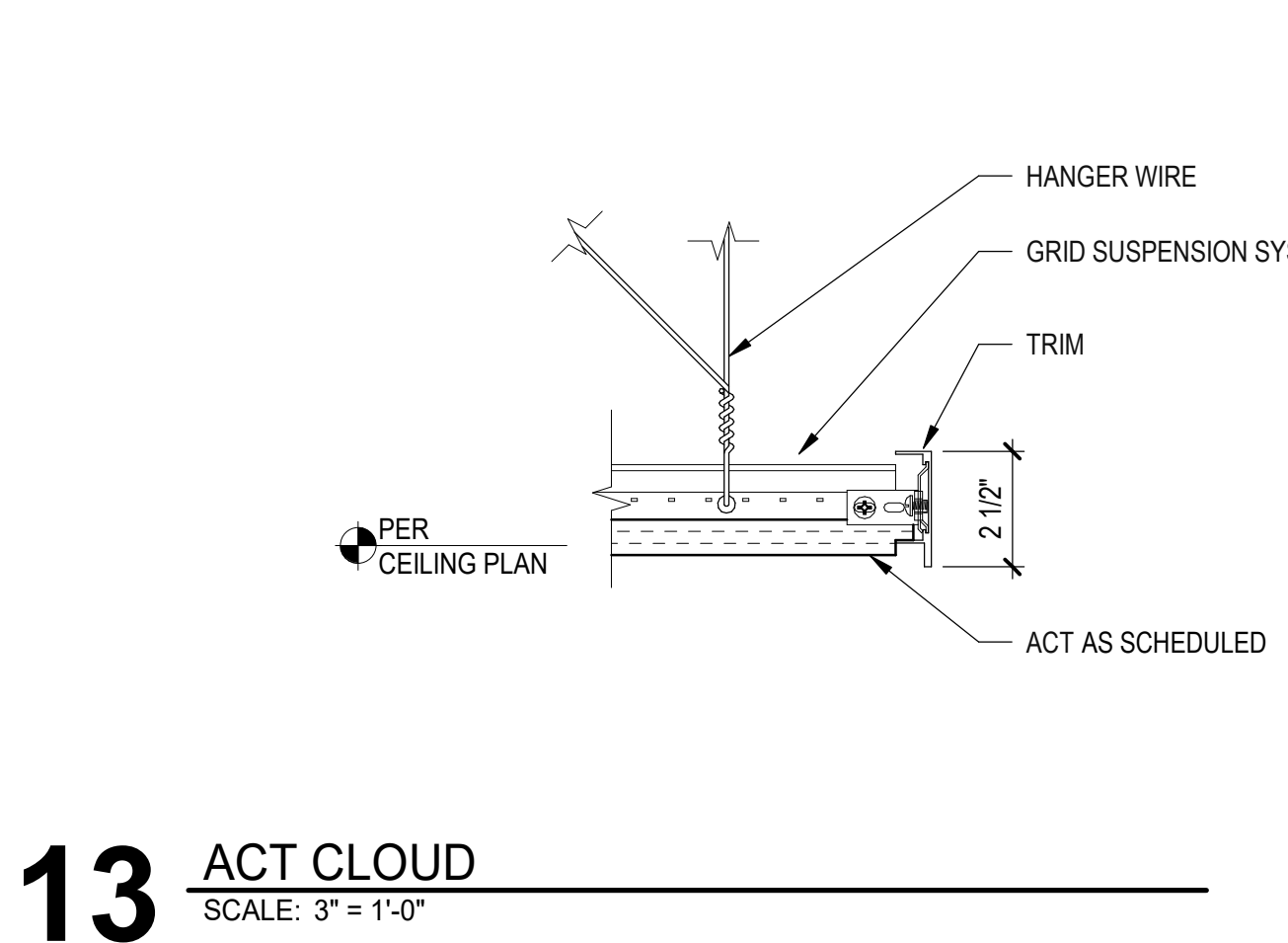
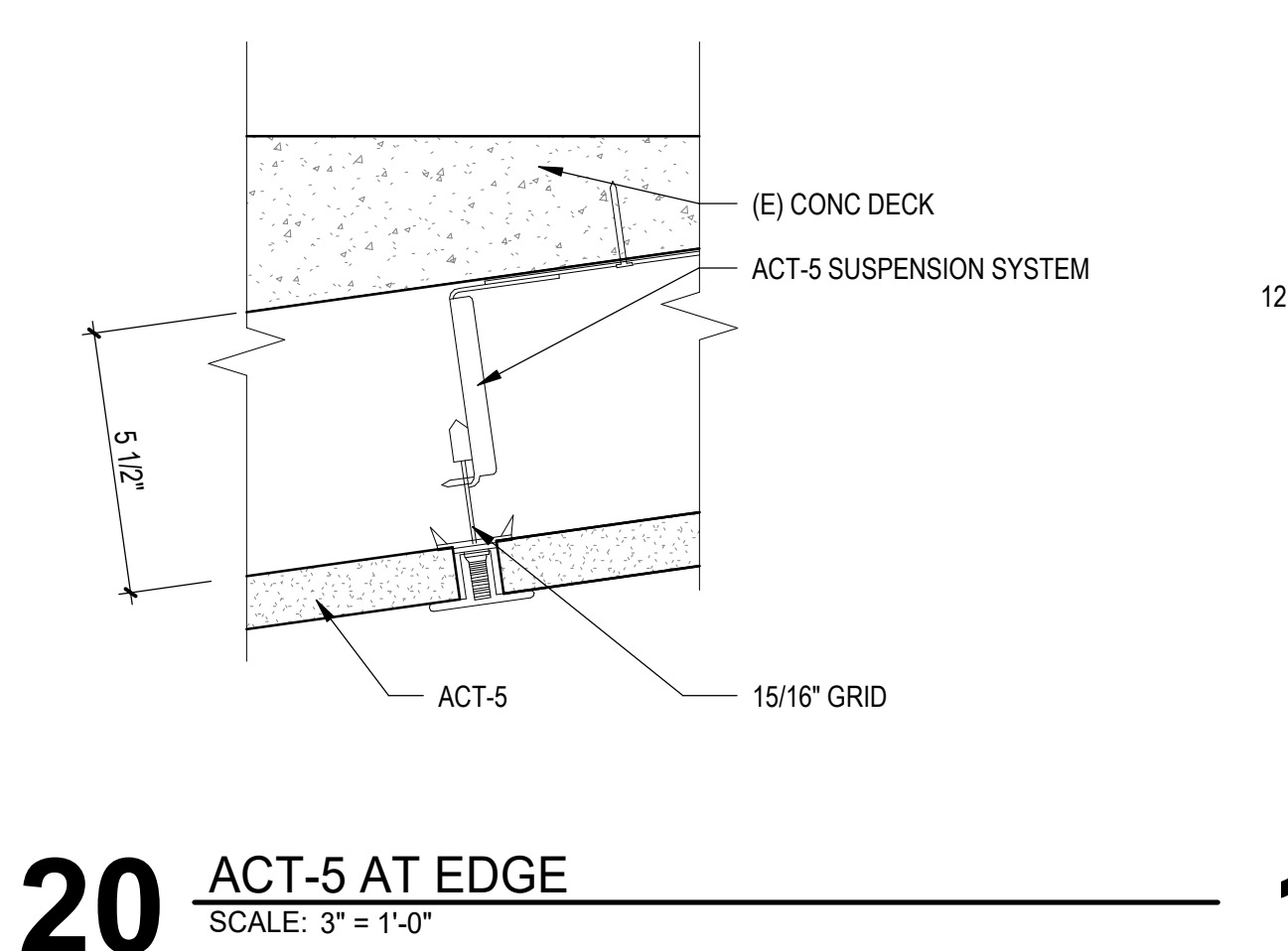
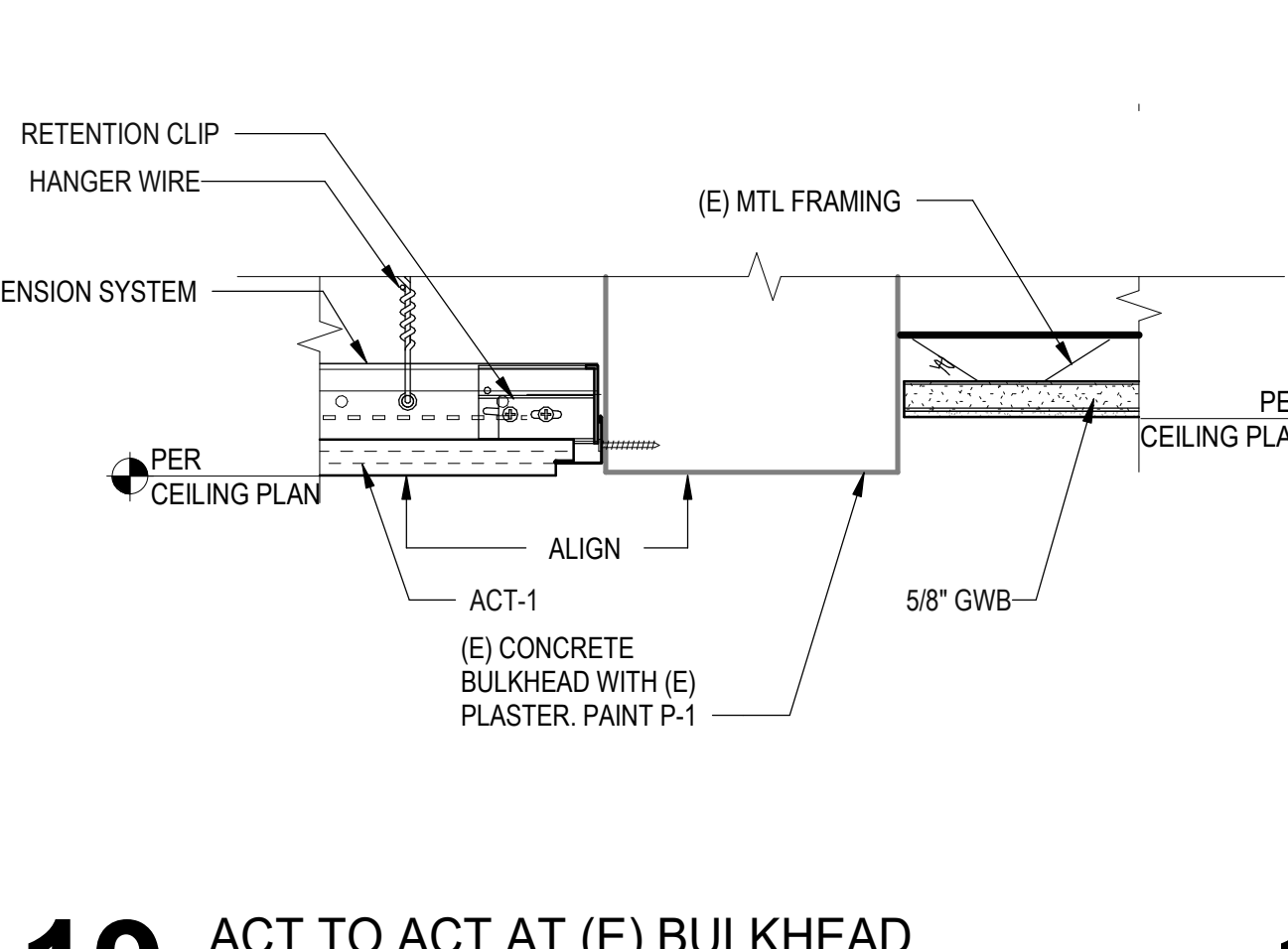
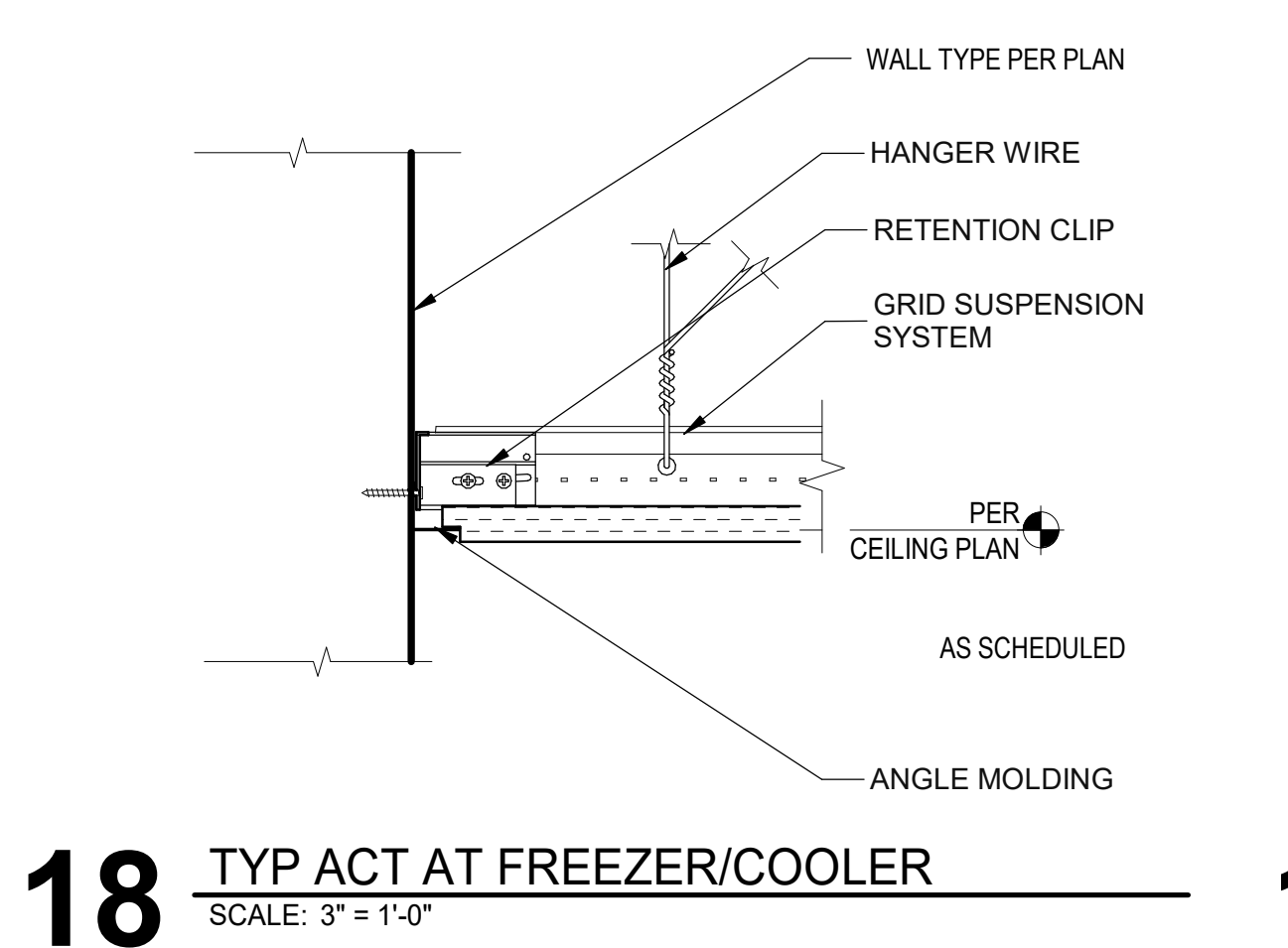
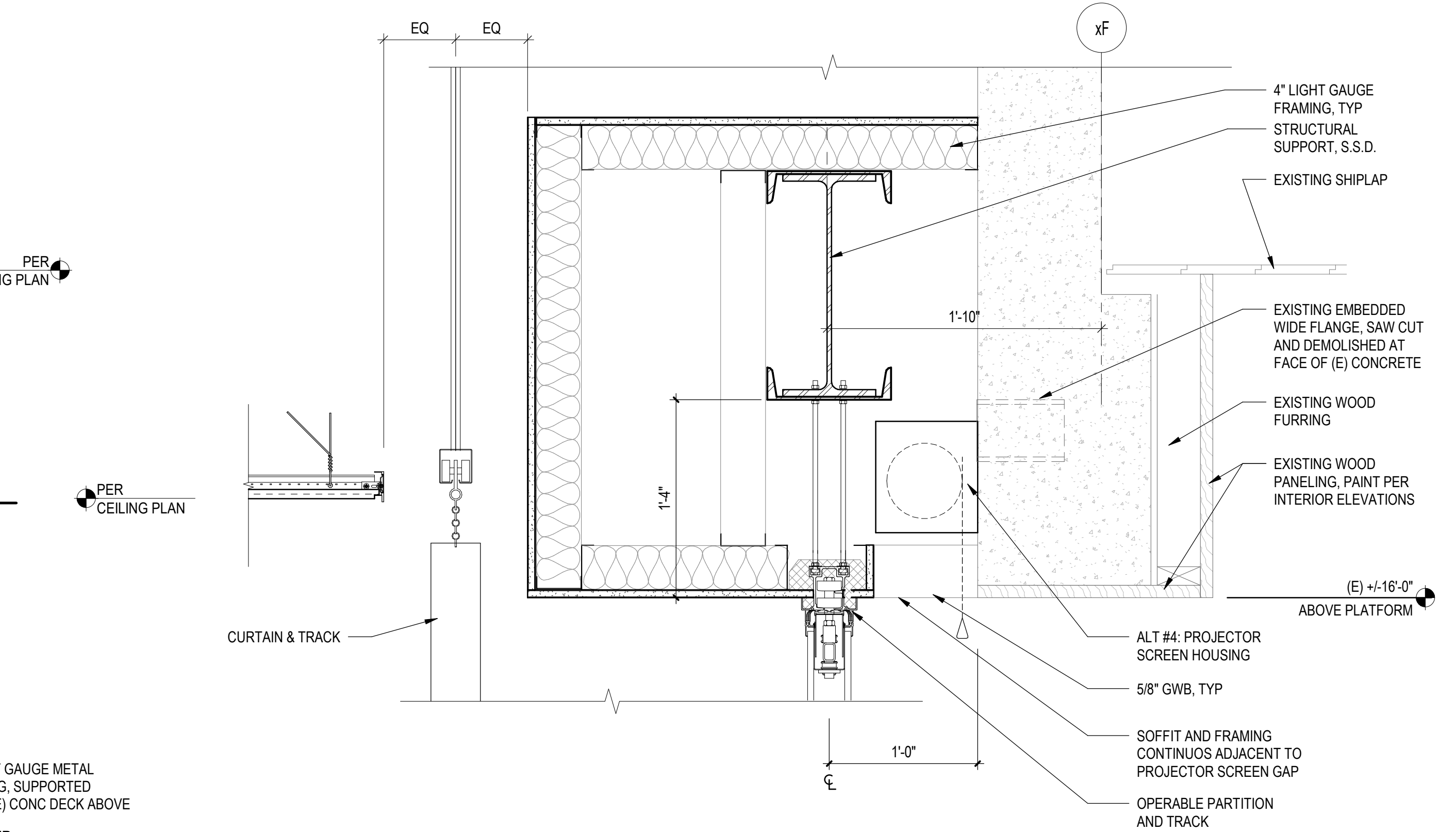
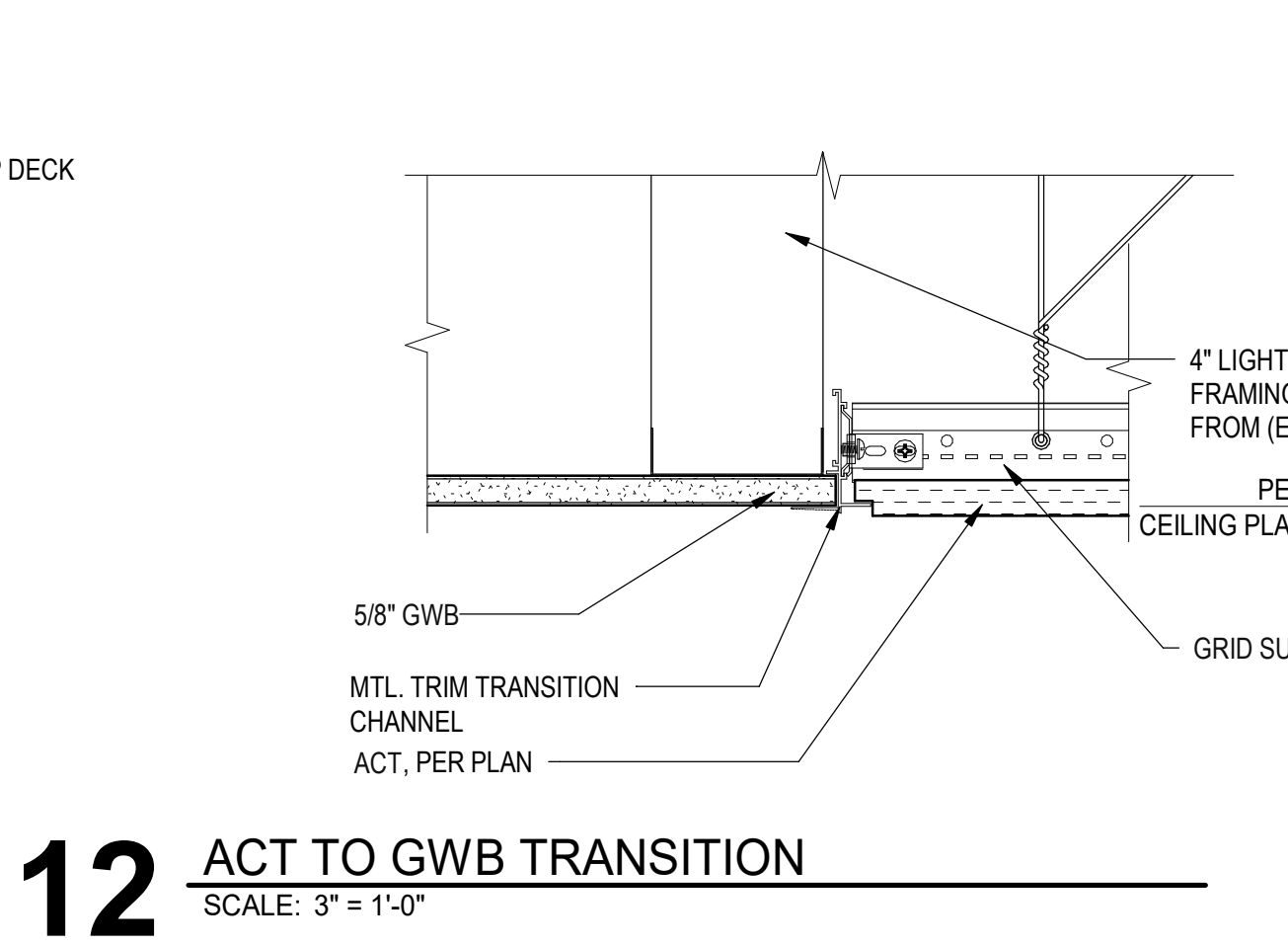
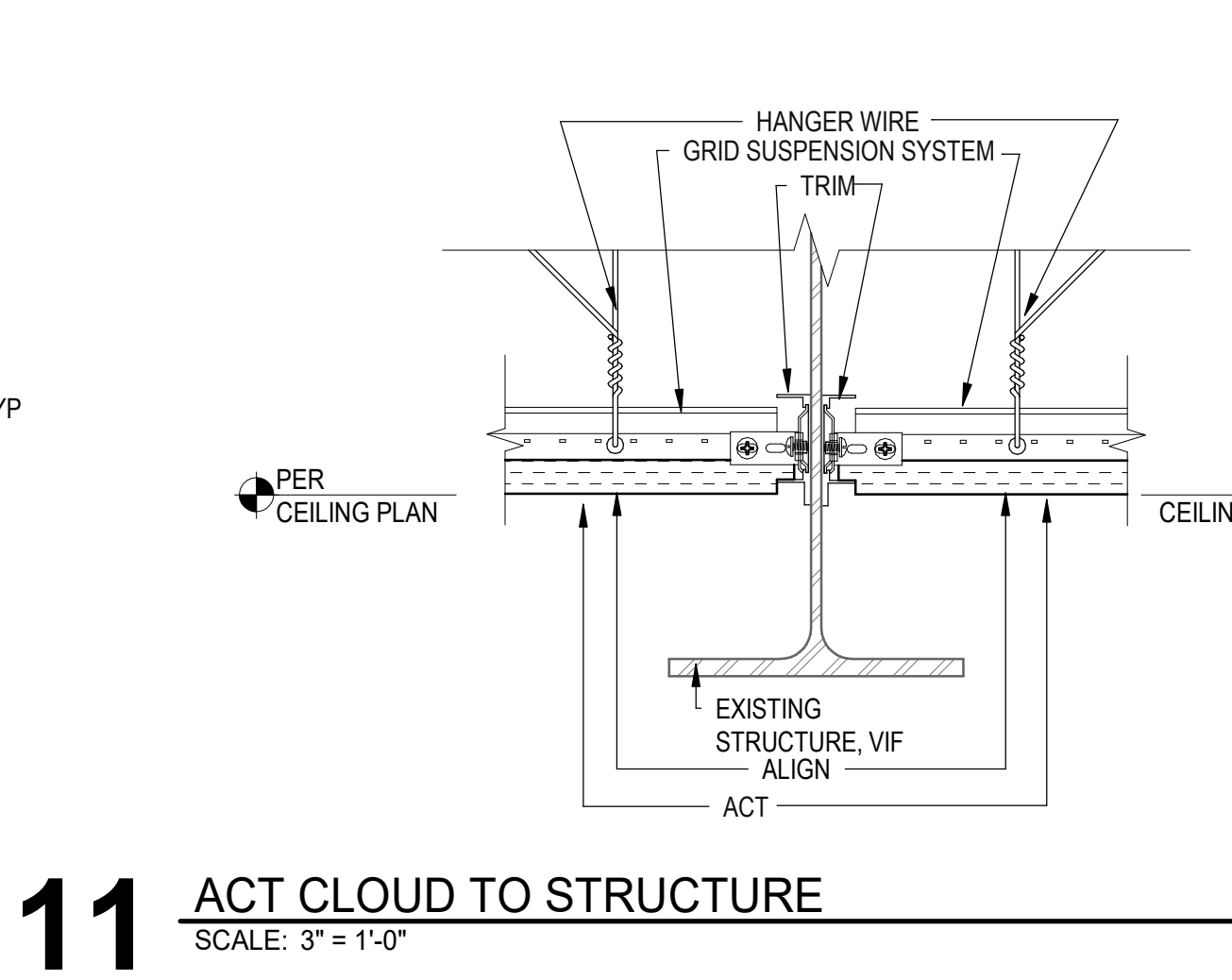
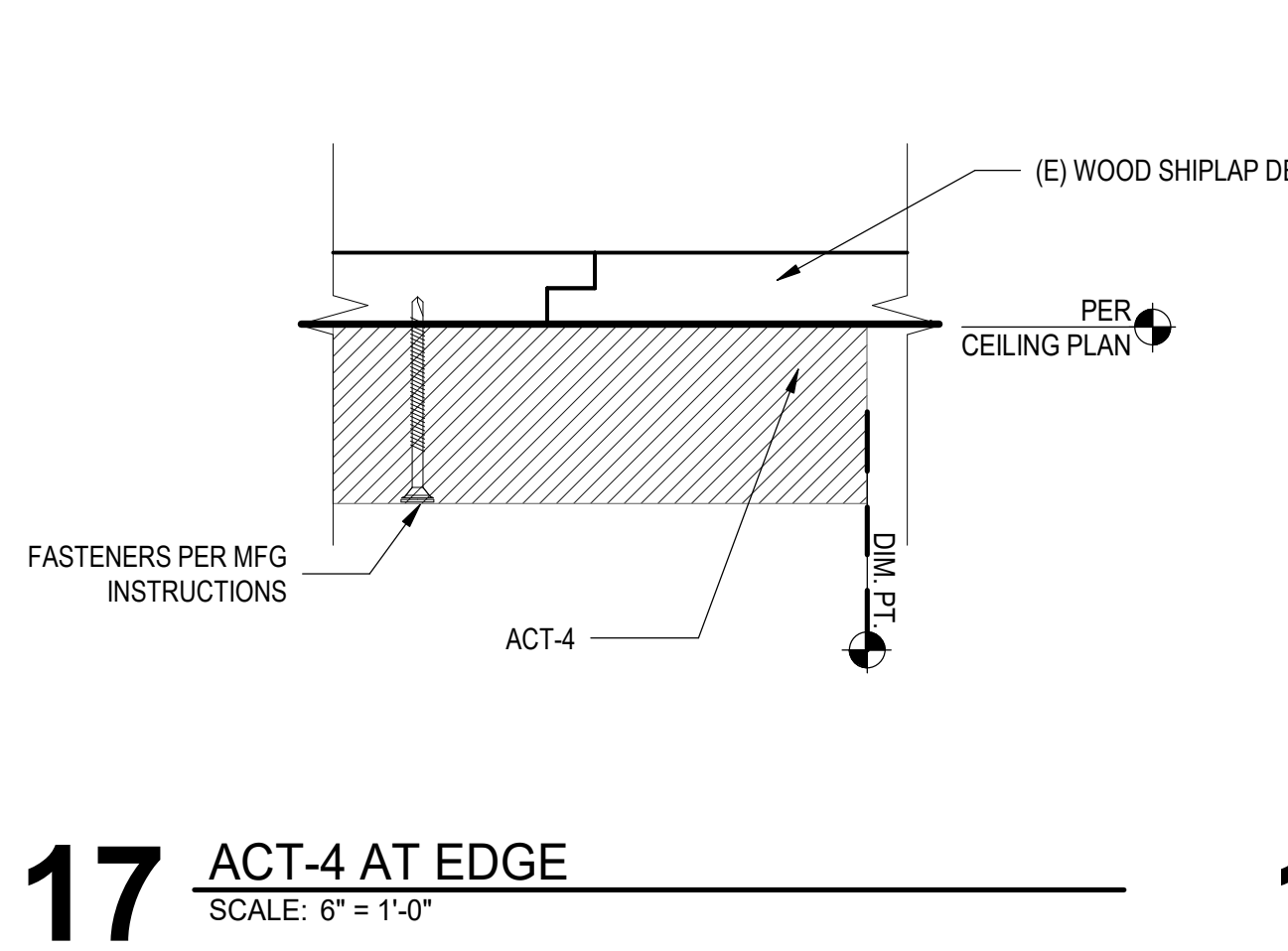
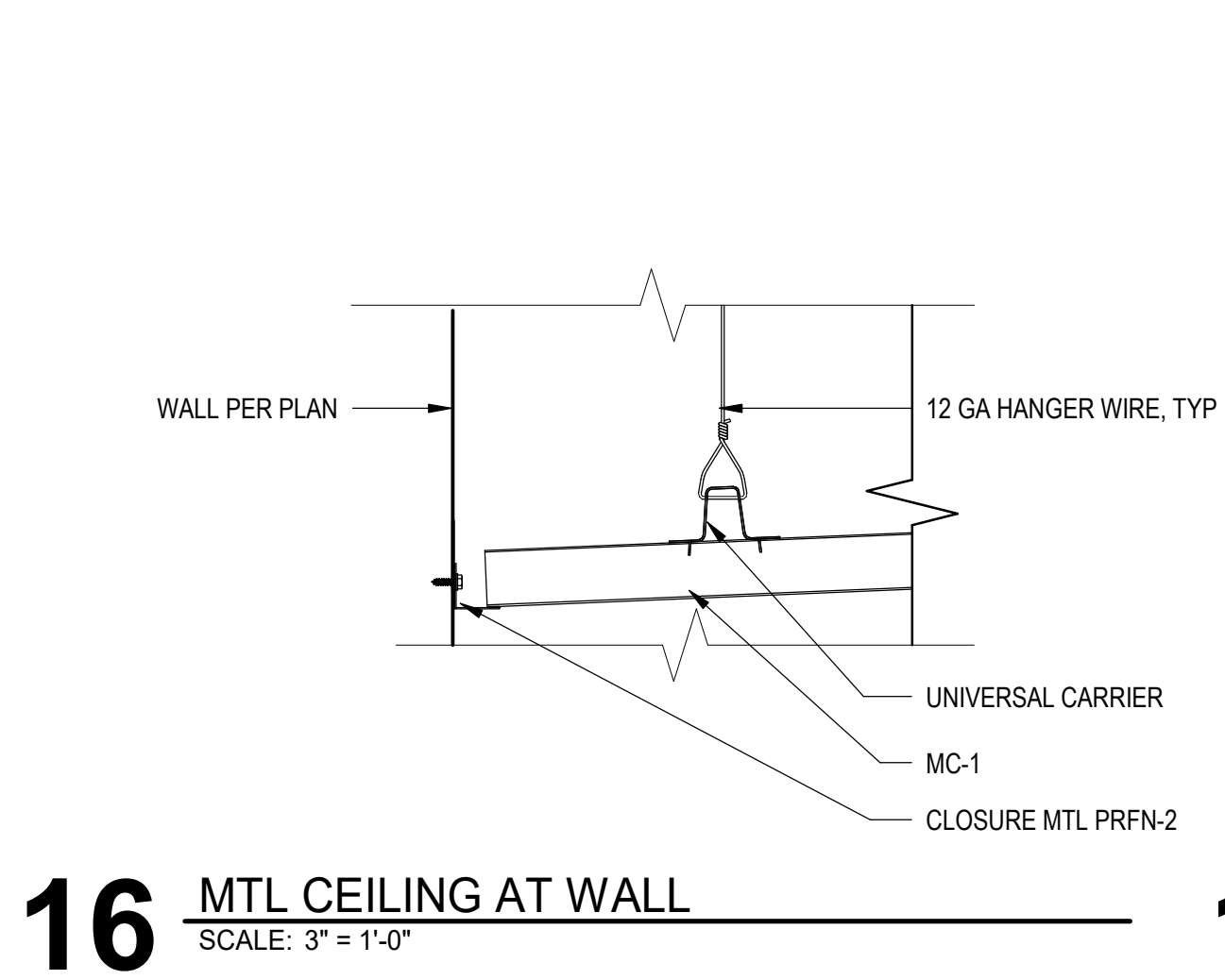
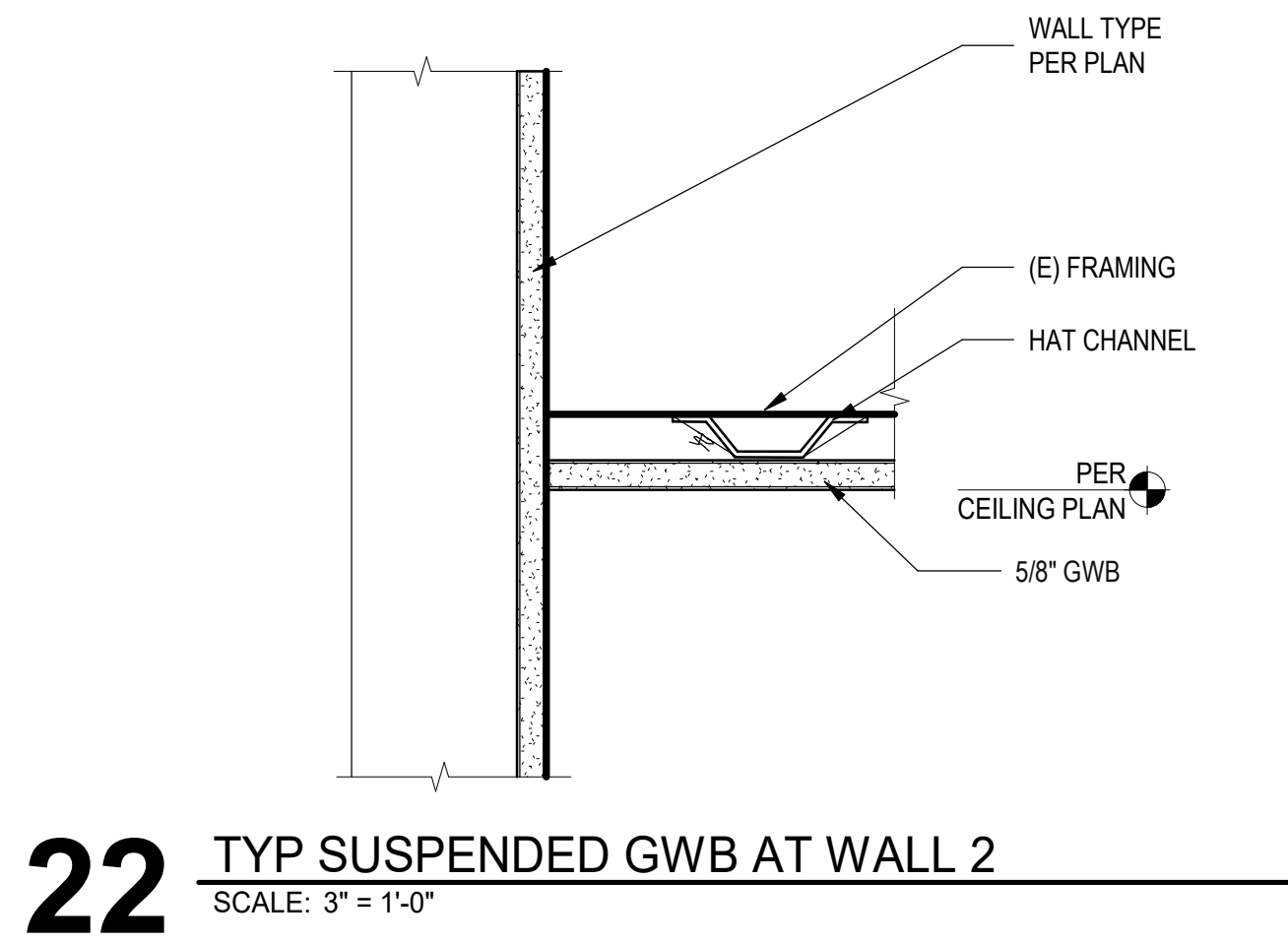
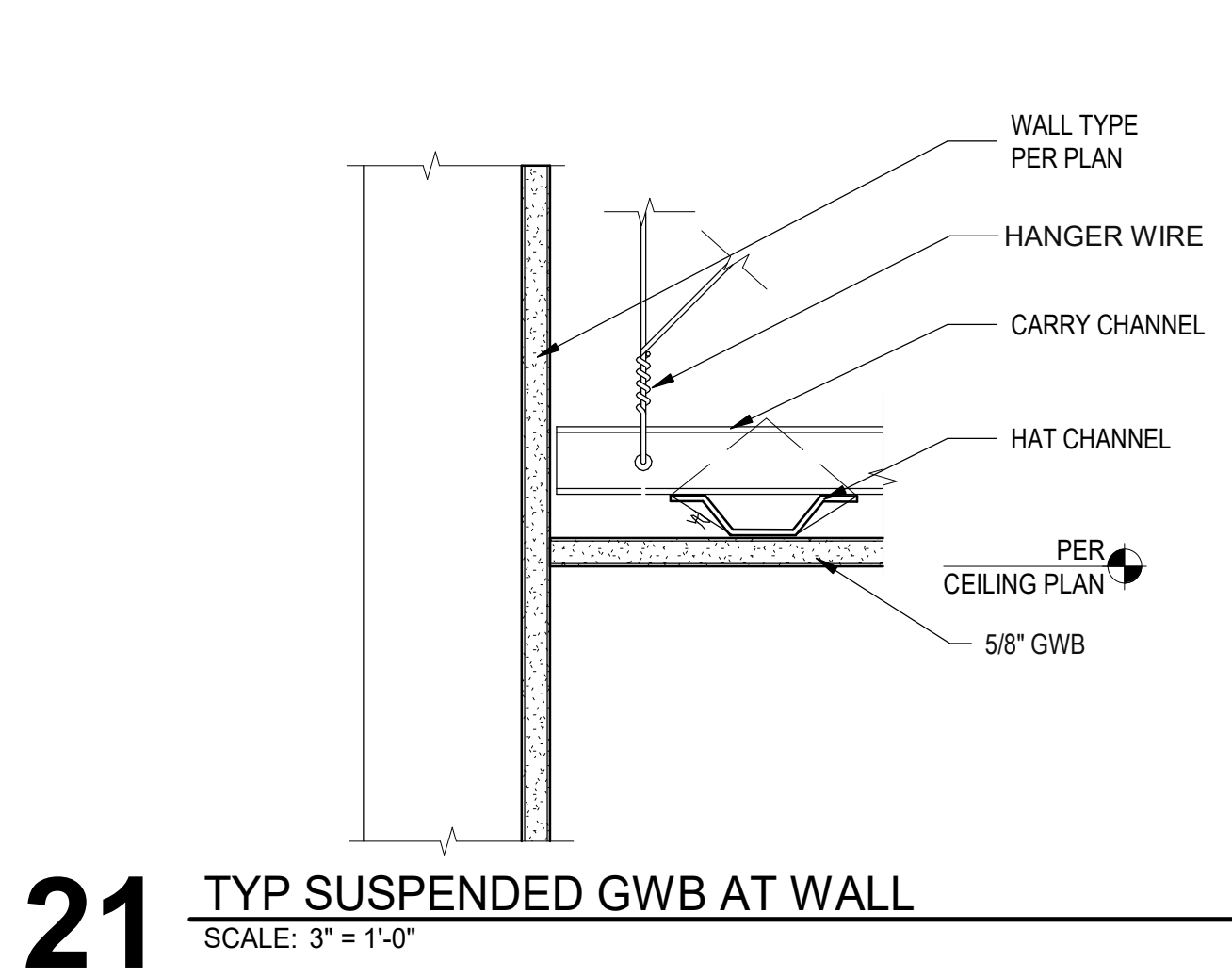
15 PLAN - AP TO HM
SCALE: 6" = 1'-0"



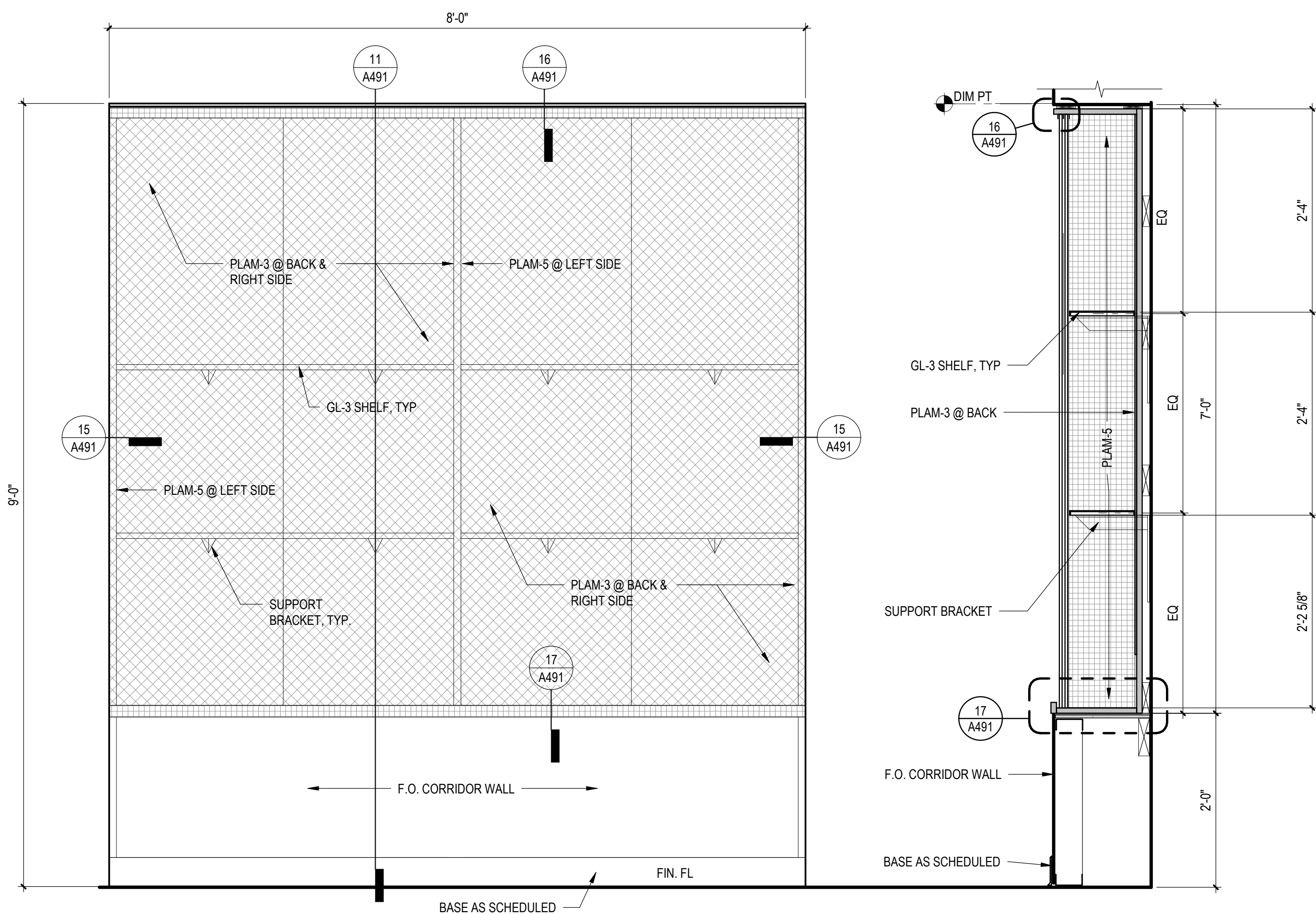
10 PLAN - FRP TO HM
SCALE: 6" = 1'-0"



5 PLAN - TWC TO HM
SCALE: 6" = 1'-0"

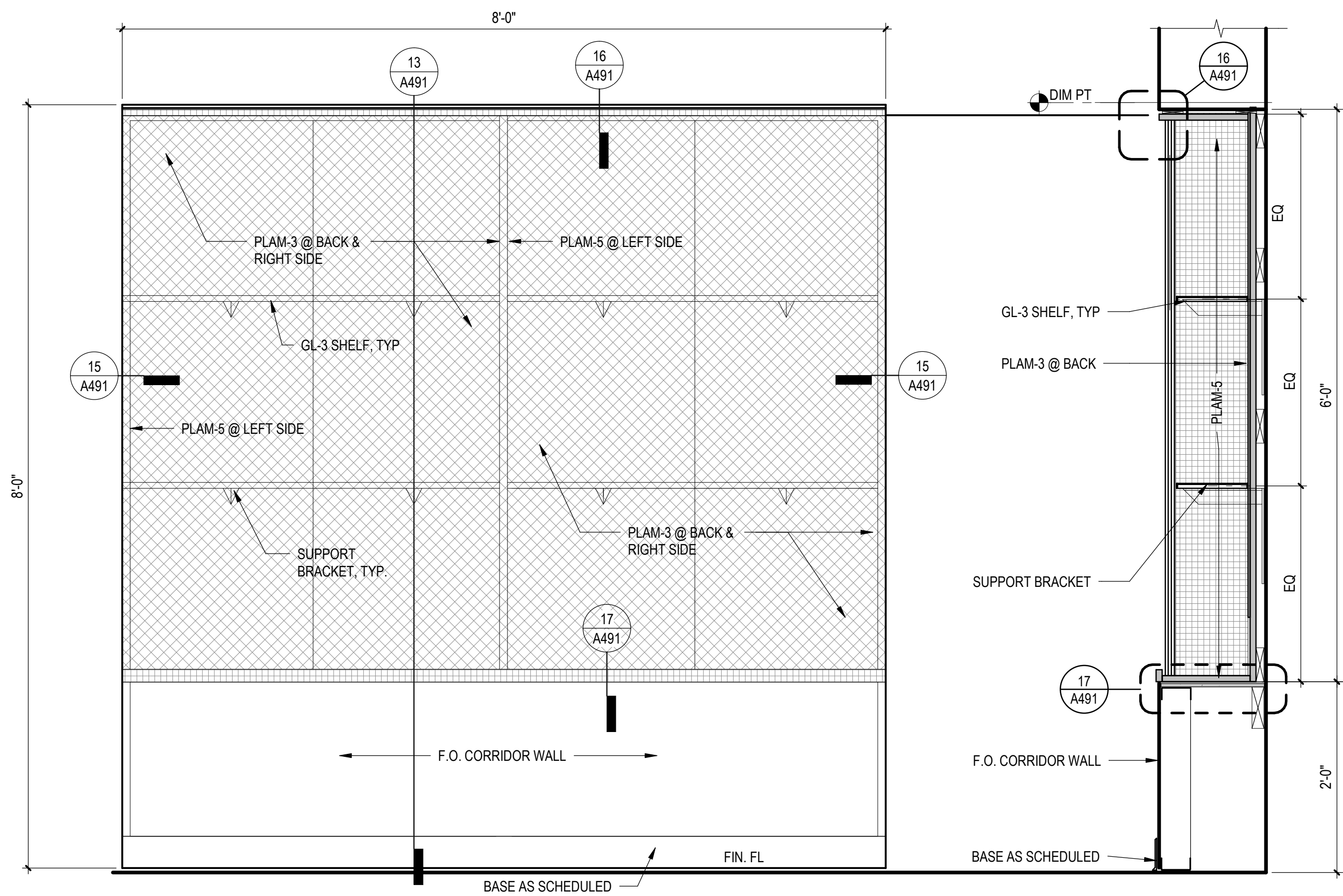


Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	Author	
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Revisions		
#	Date	Description



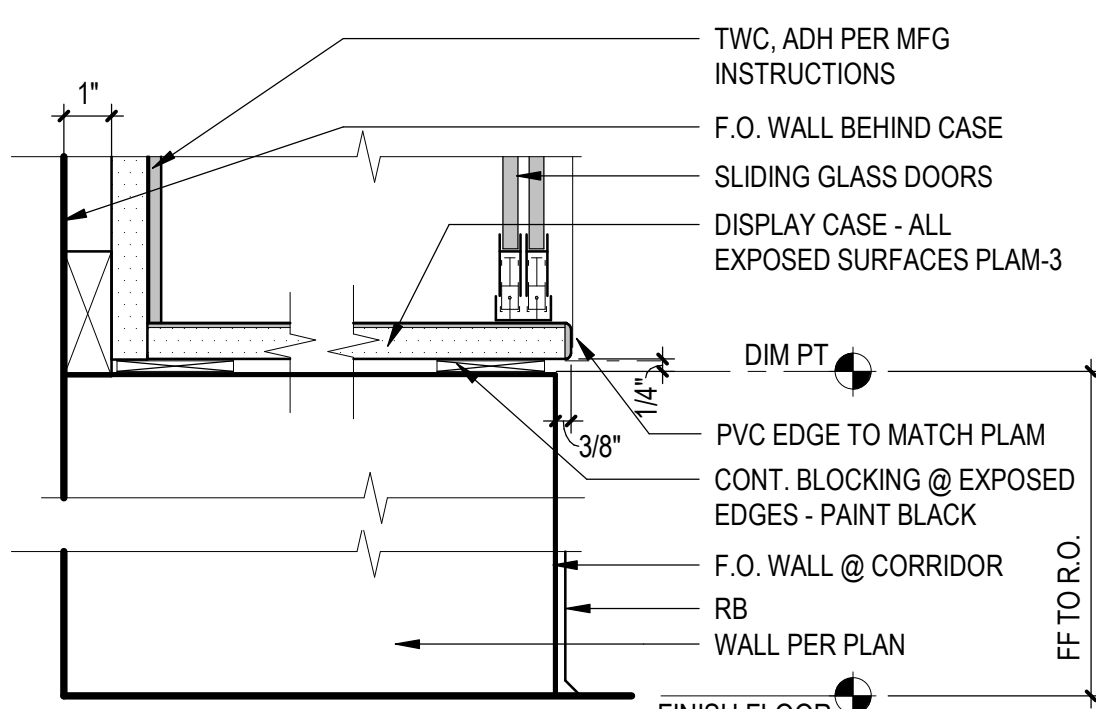
12 ELEVATION DISPLAY CASE 1
SCALE: 1" = 1'-0"

11 SECTION DISPLAY CASE 1
SCALE: 1" = 1'-0"

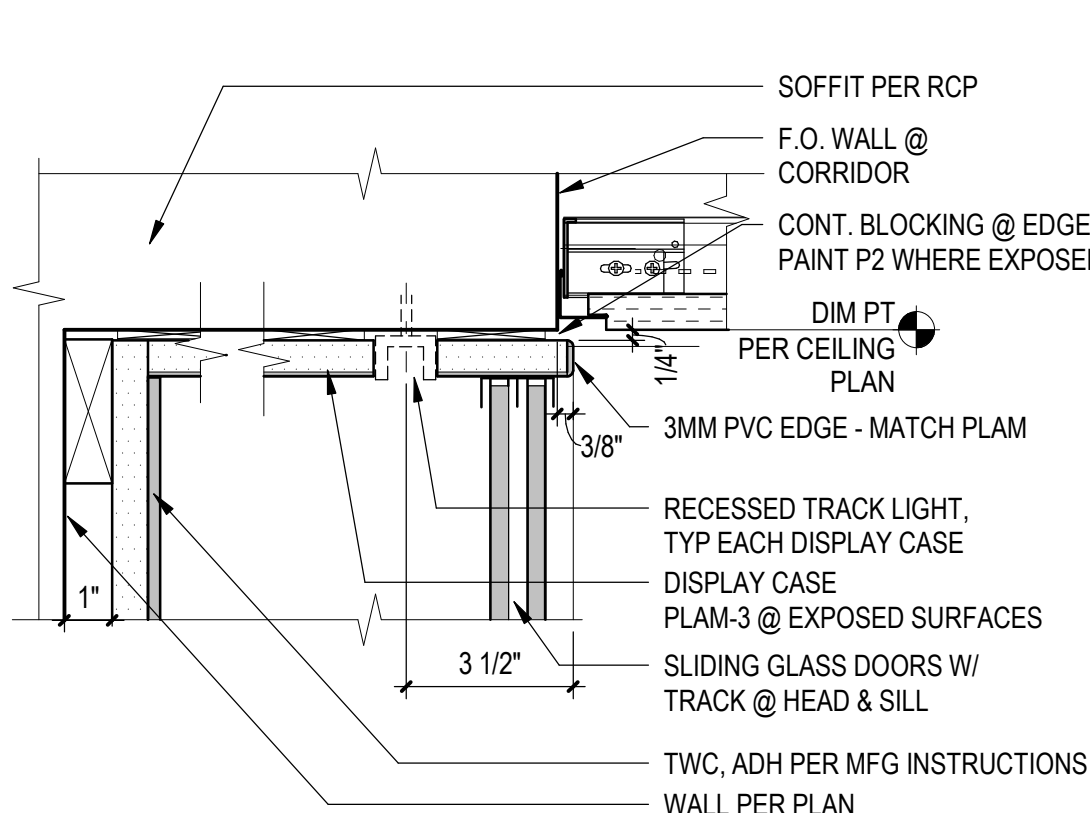


14 ELEVATION DISPLAY CASE 2
SCALE: 1" = 1'-0"

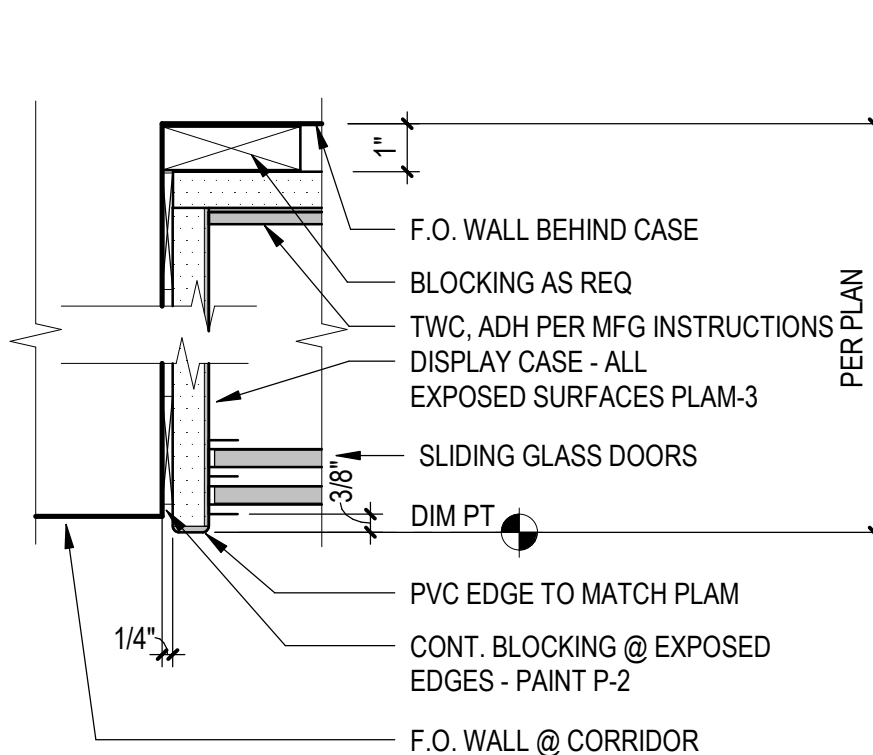
13 SECTION DISPLAY CASE 2
SCALE: 1" = 1'-0"



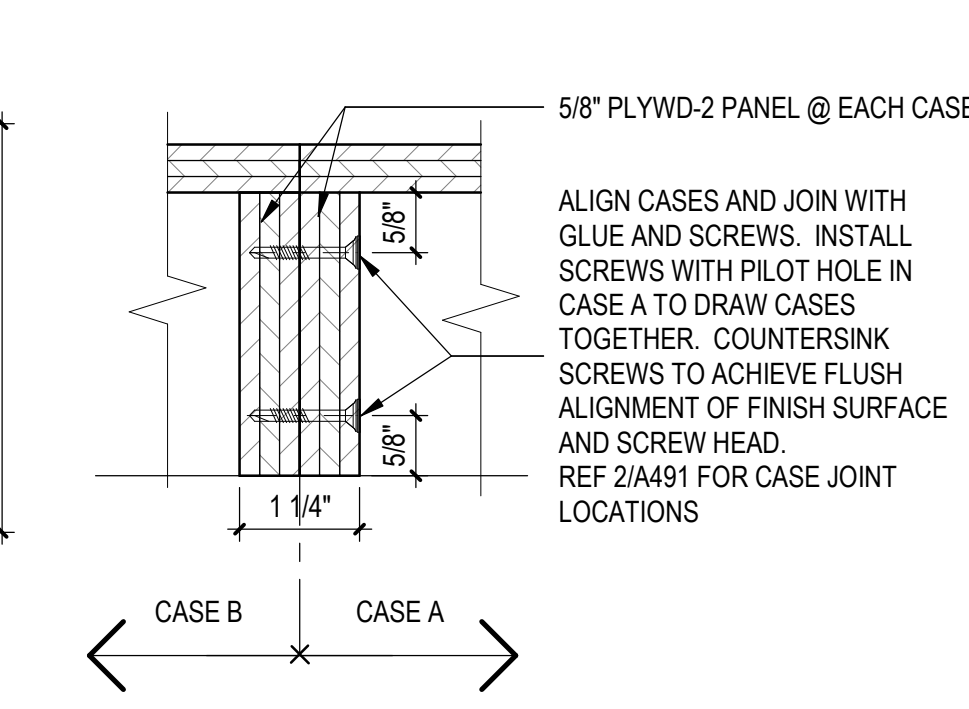
17 DISPLAY CASE SILL
SCALE: 3" = 1'-0"



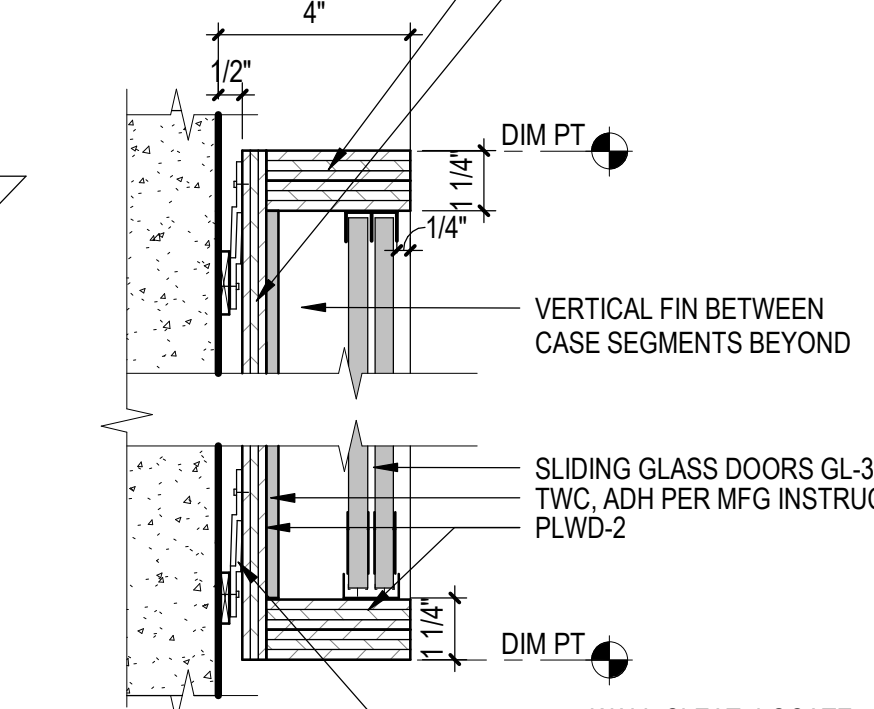
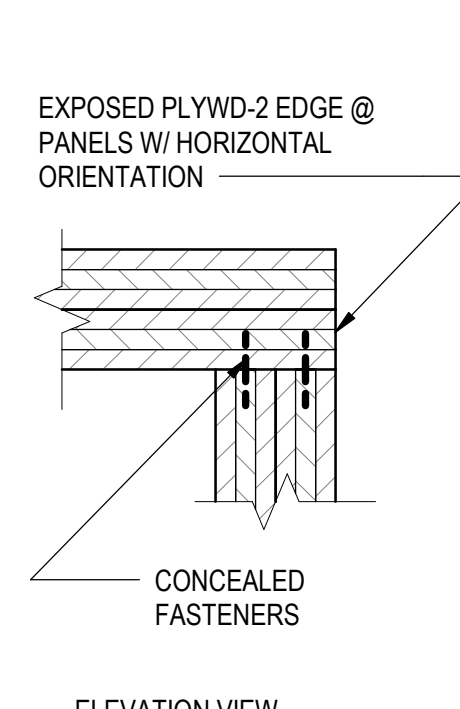
16 DISPLAY CASE HEAD
SCALE: 3" = 1'-0"



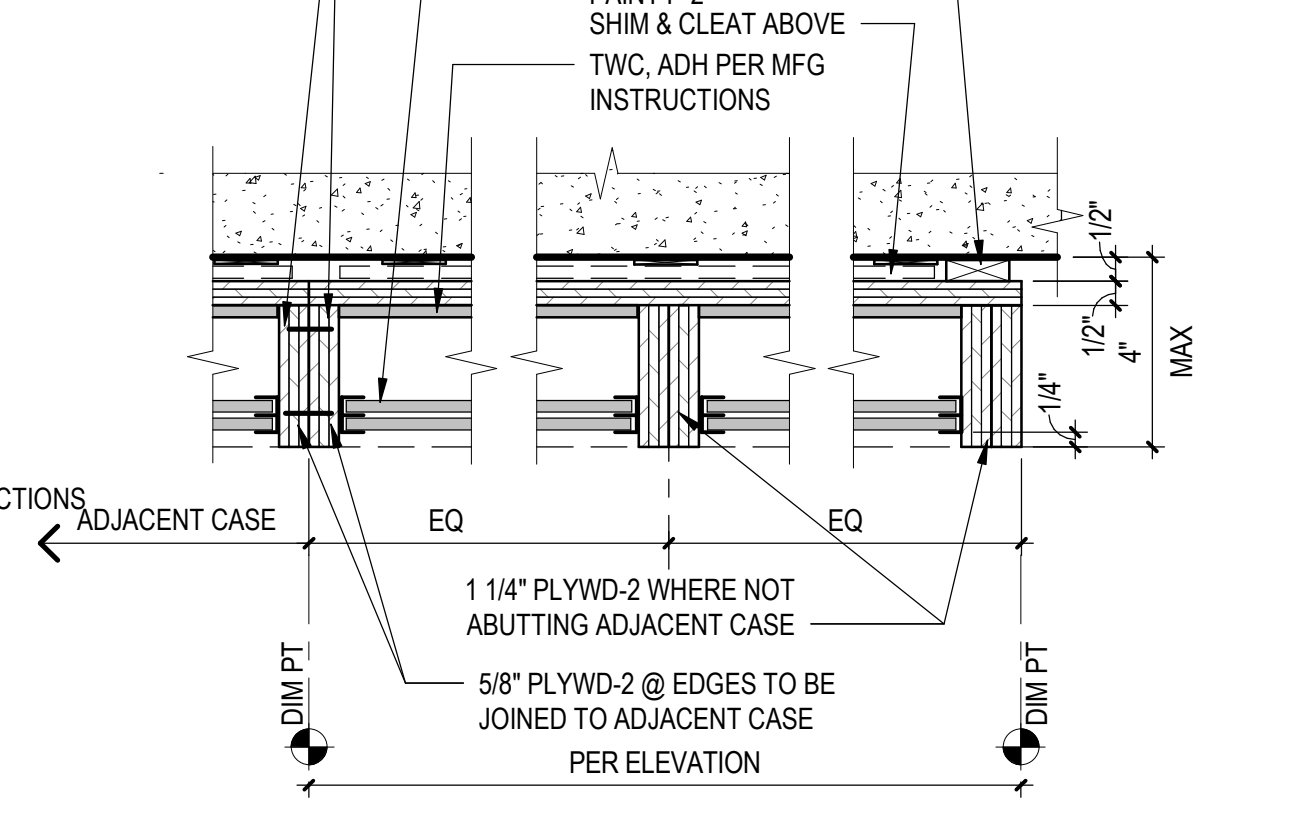
15 DISPLAY CASE JAMB
SCALE: 3" = 1'-0"



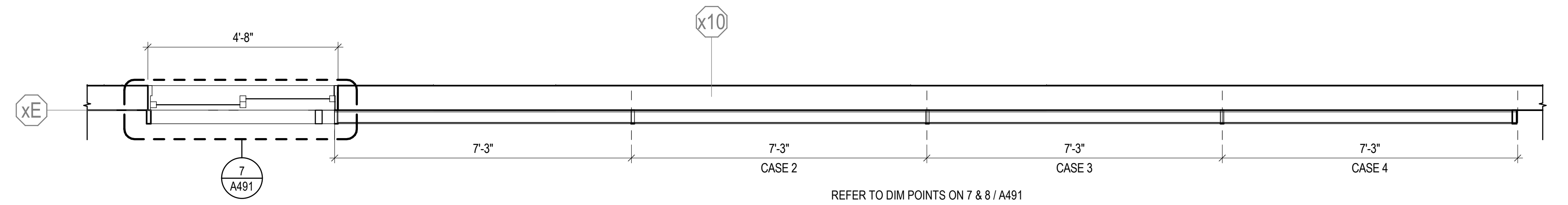
10 CASE JOINERY DETAILS
SCALE: 6" = 1'-0"



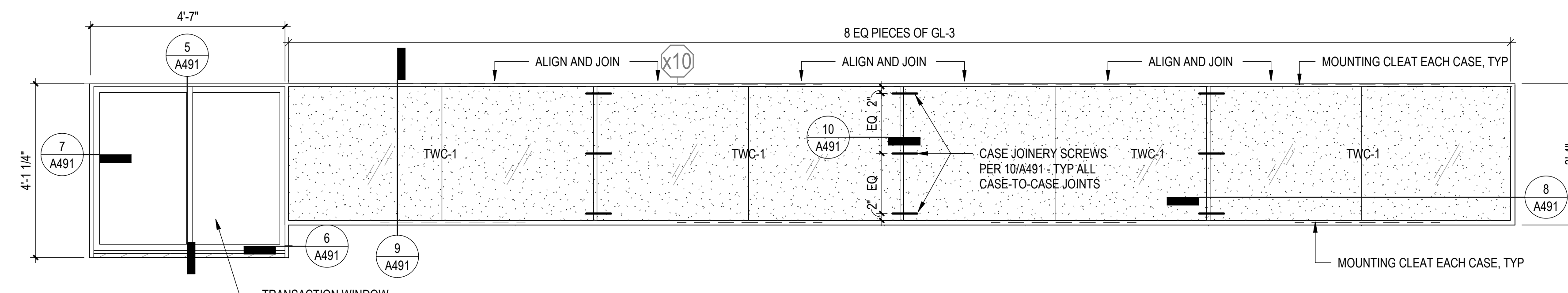
9 WALL DISPLAY CASE HEAD / SILL
SCALE: 3" = 1'-0"



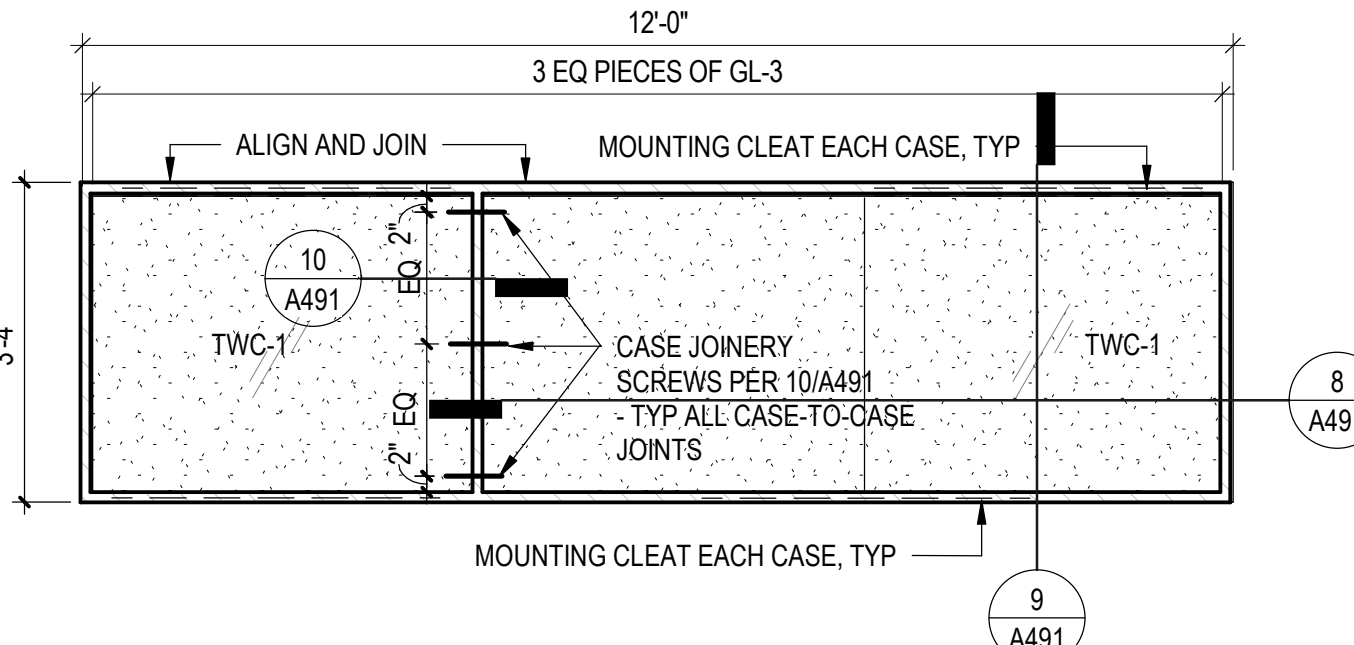
8 WALL DISPLAY CASE - EDGE & DIVIDER
SCALE: 3" = 1'-0"



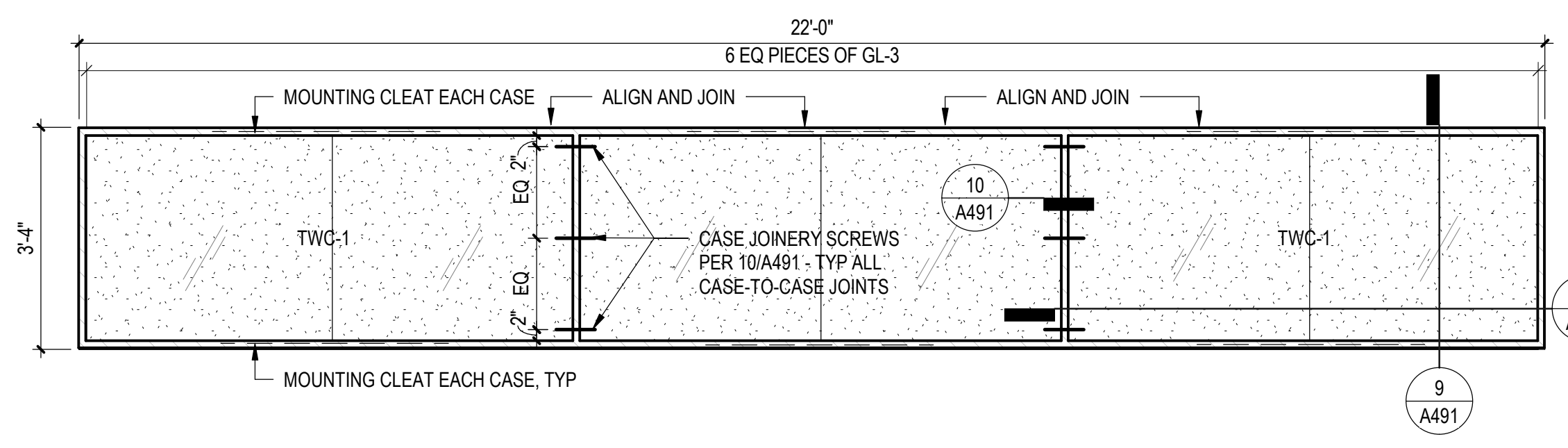
1 PLAN LEVEL 1 CORRIDOR - N1 DISPLAY CASE
SCALE: 1/2" = 1'-0"



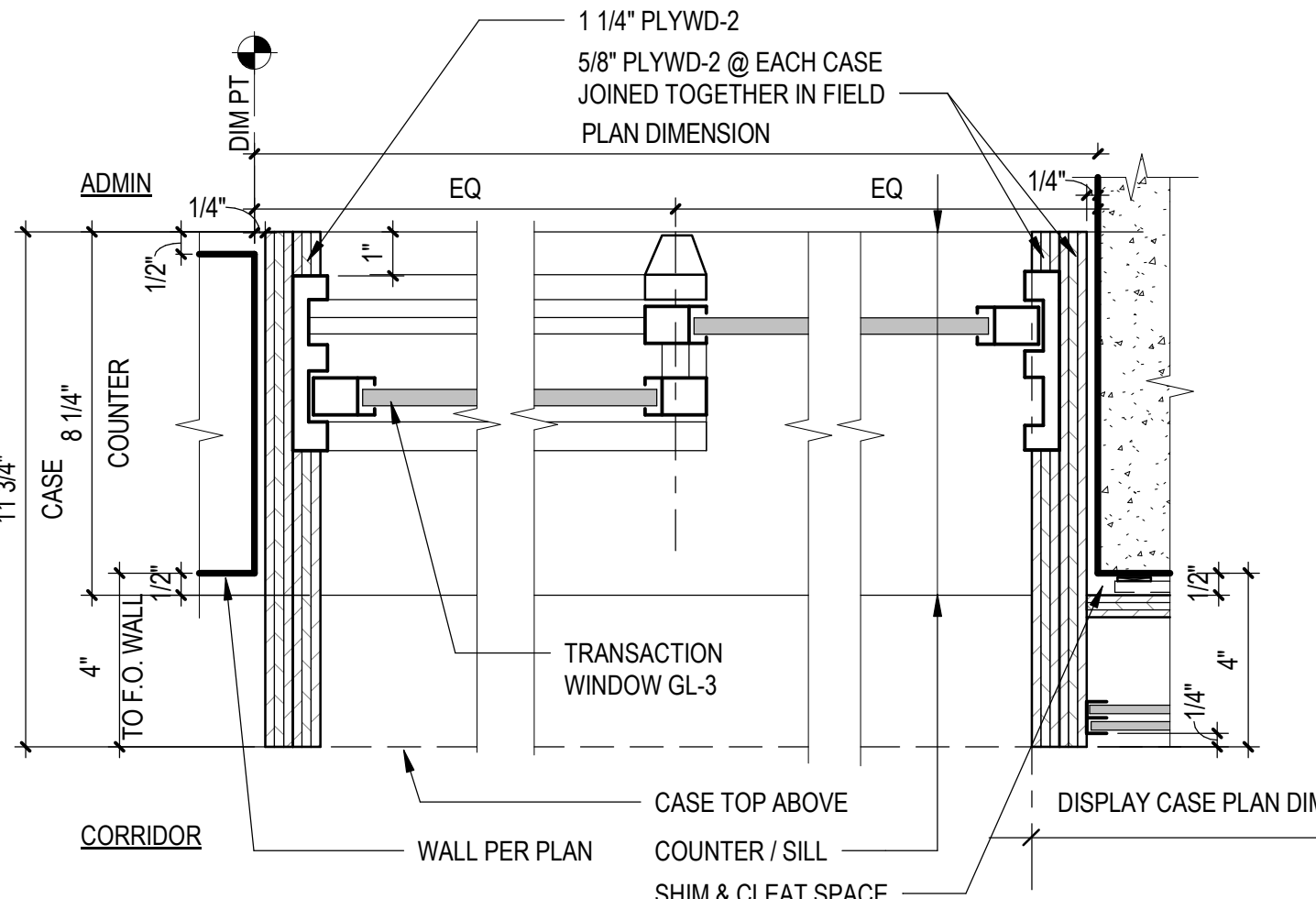
2 ELEVATION LEVEL 1 CORRIDOR - N1 DISPLAY CASE
SCALE: 1/2" = 1'-0"



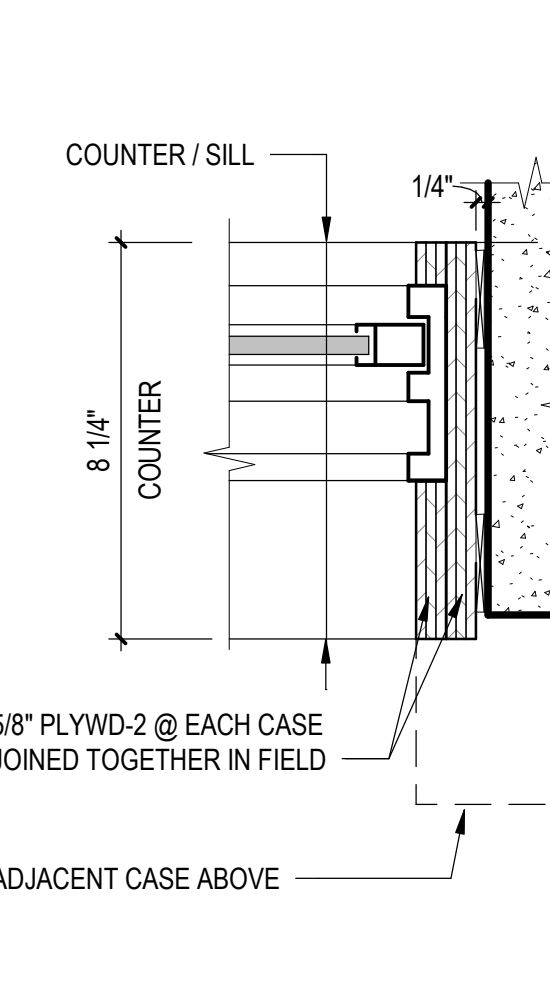
4 ELEVATION LEVEL 1 CORRIDOR - S2 DISPLAY CASE
SCALE: 1/2" = 1'-0"



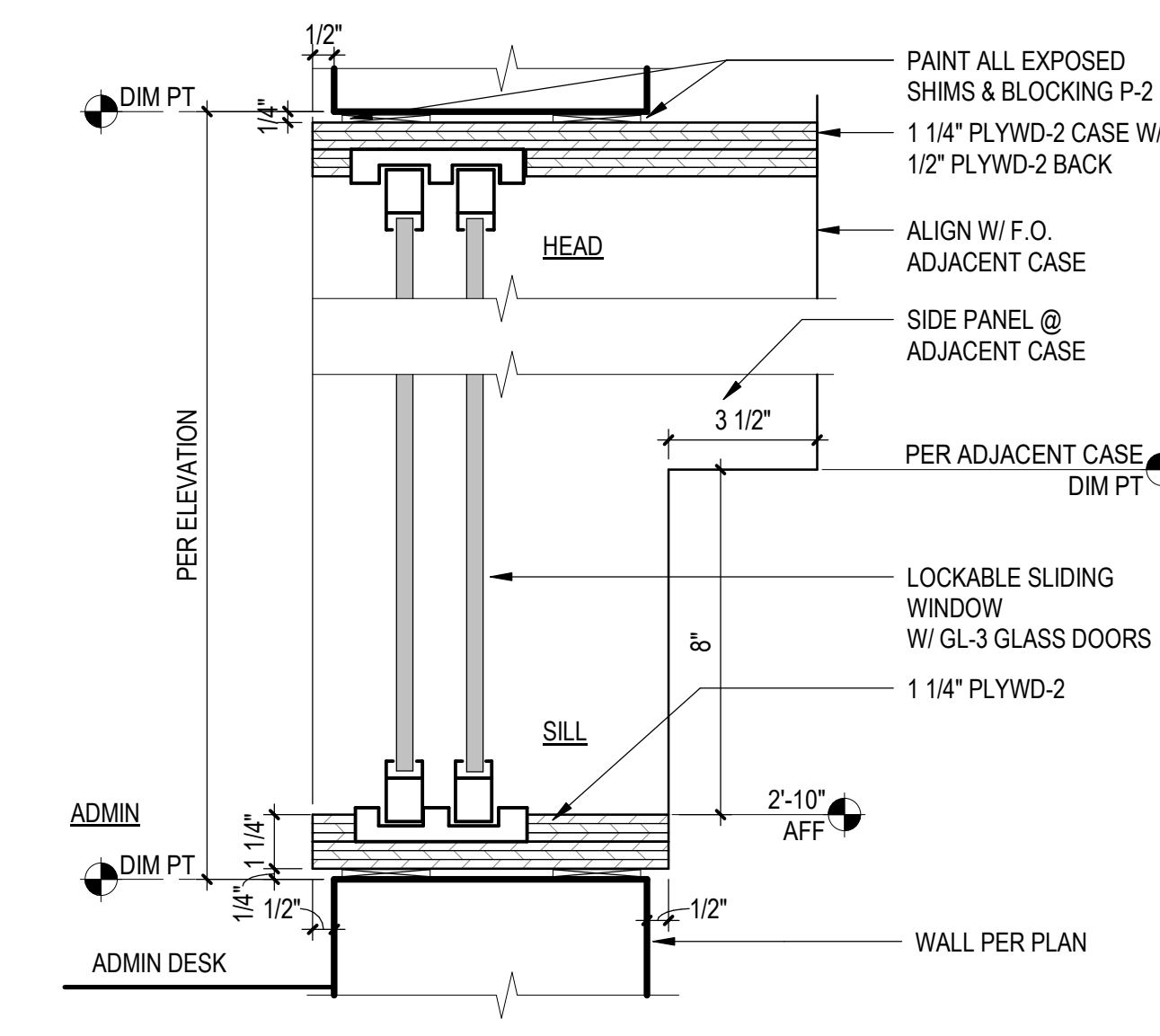
3 ELEVATION LEVEL 2 CORRIDOR N1 DISPLAY CASE
SCALE: 1/2" = 1'-0"



7 ADMIN TRANSACTION WINDOW - PLAN
SCALE: 3" = 1'-0"



6 TRANSACTION WINDOW EAST JAMB
SCALE: 3" = 1'-0"



5 TRANSACTION WINDOW HEAD / SILL
SCALE: 3" = 1'-0"

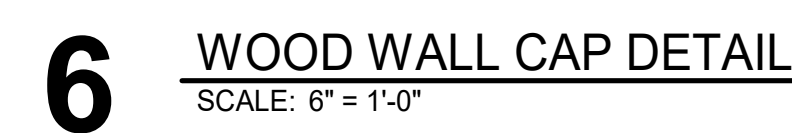
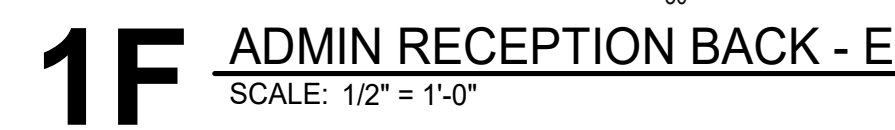
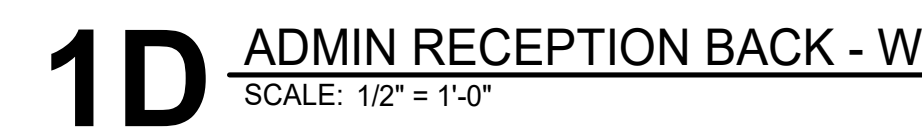
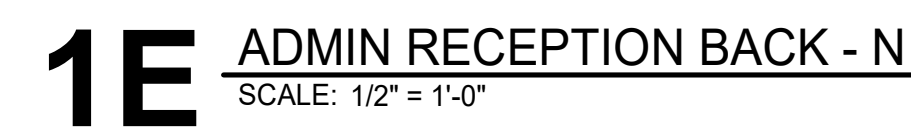
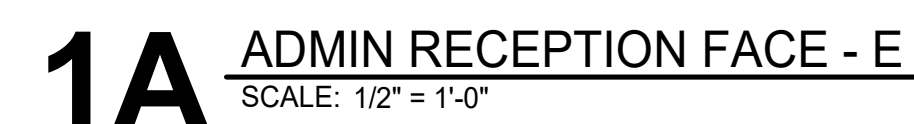
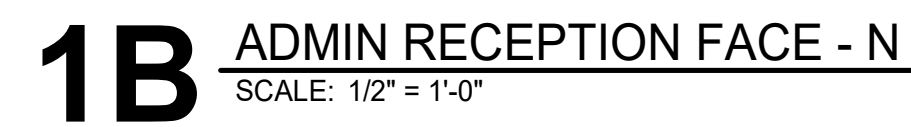
**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**

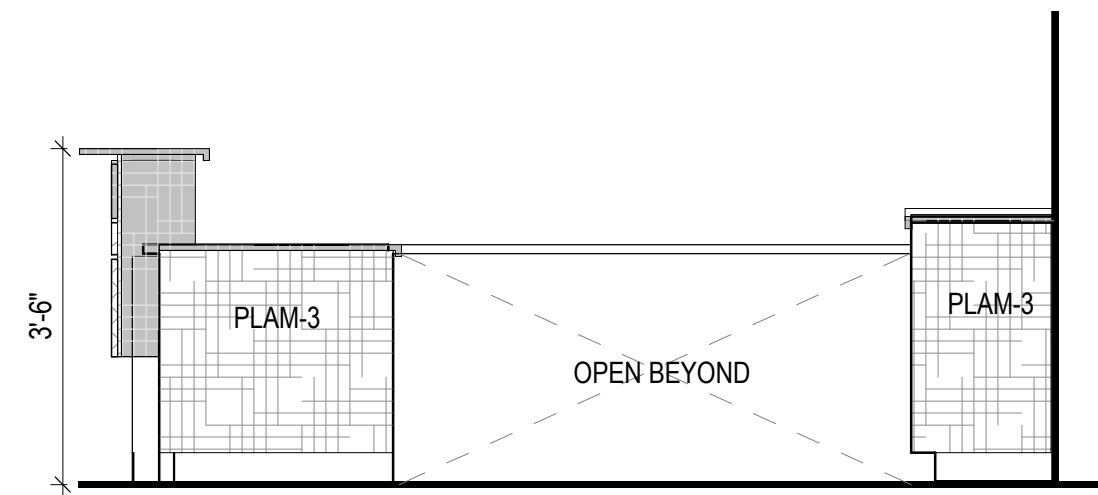
500 REDPATH ST, KELSO, WA 98626

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SS
Checked by:	SS
Revisions	
#	Date Description

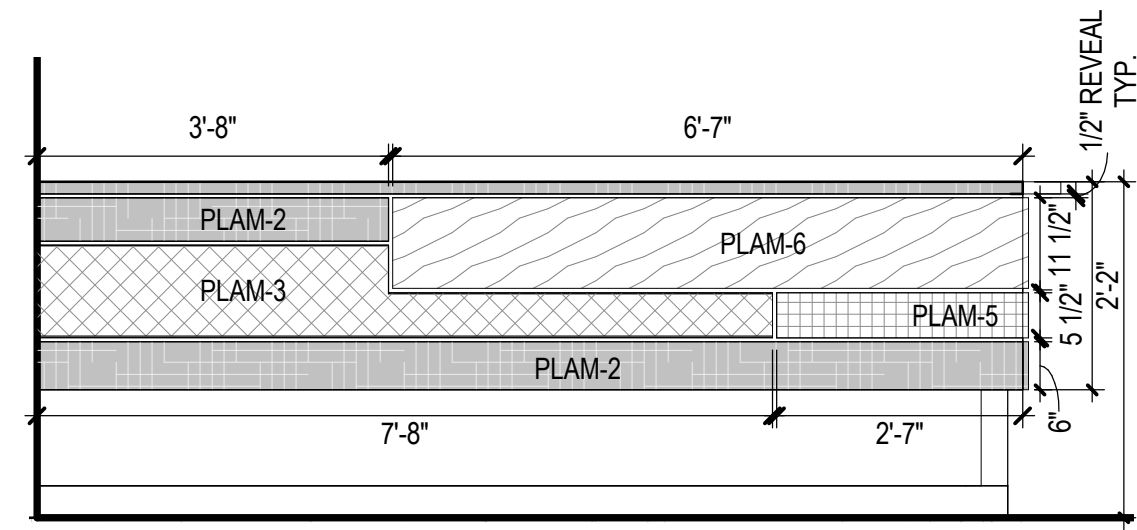
CASEWORK
DETAILS

A491

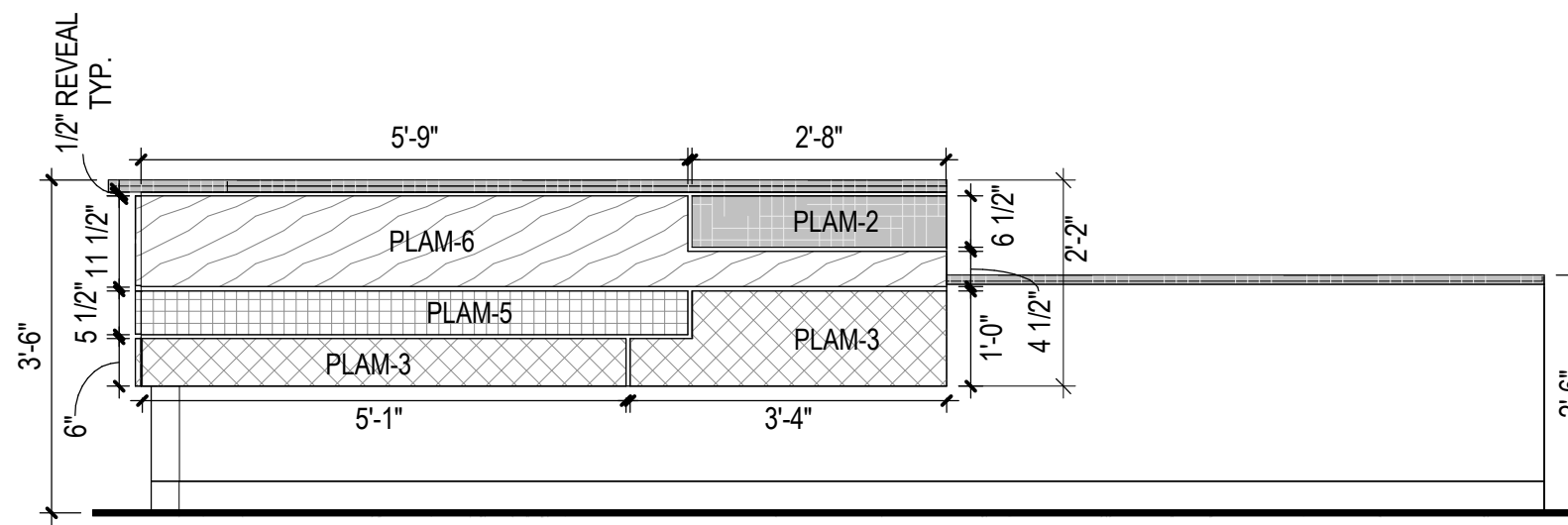




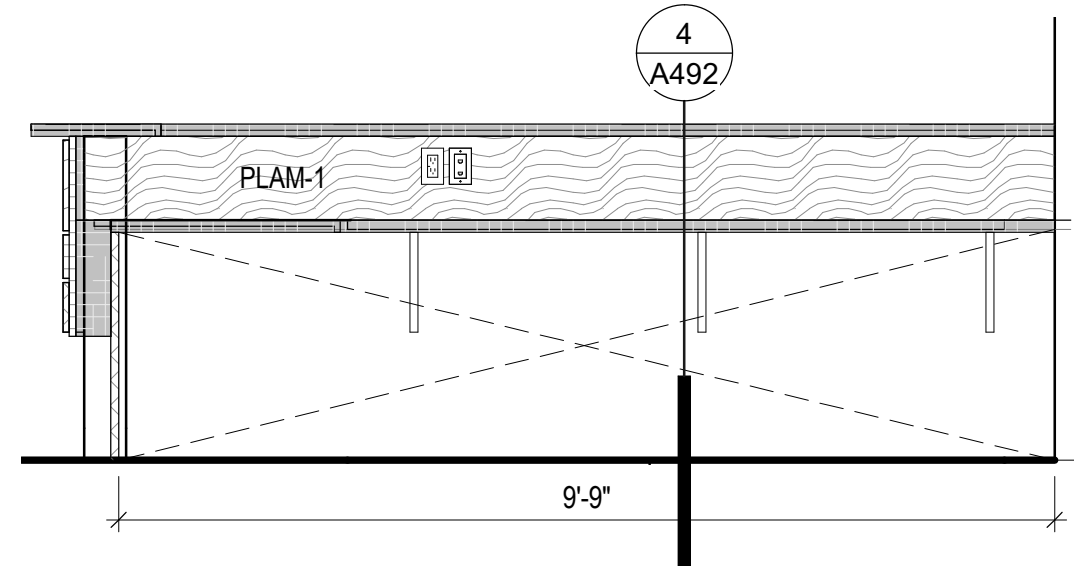
1C LIBRARY RECEPTION FRONT - E
SCALE: 1/2" = 1'-0"



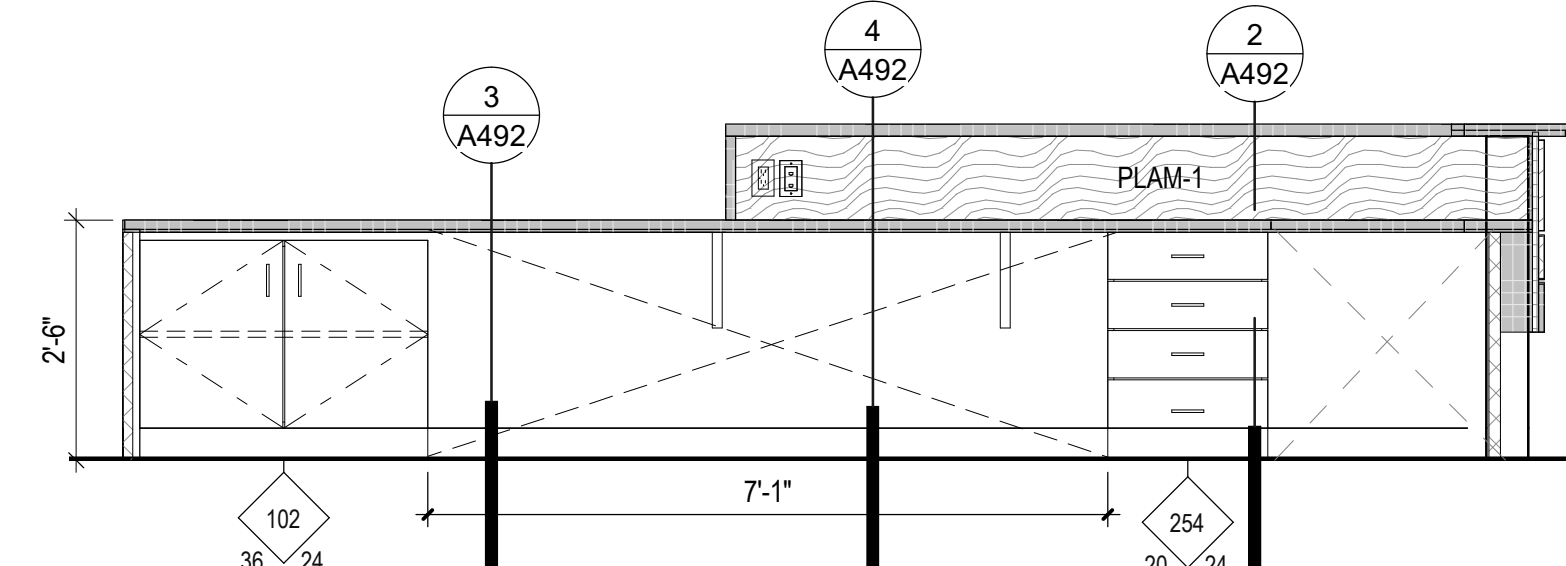
1B LIBRARY RECEPTION FACE - W
SCALE: 1/2" = 1'-0"



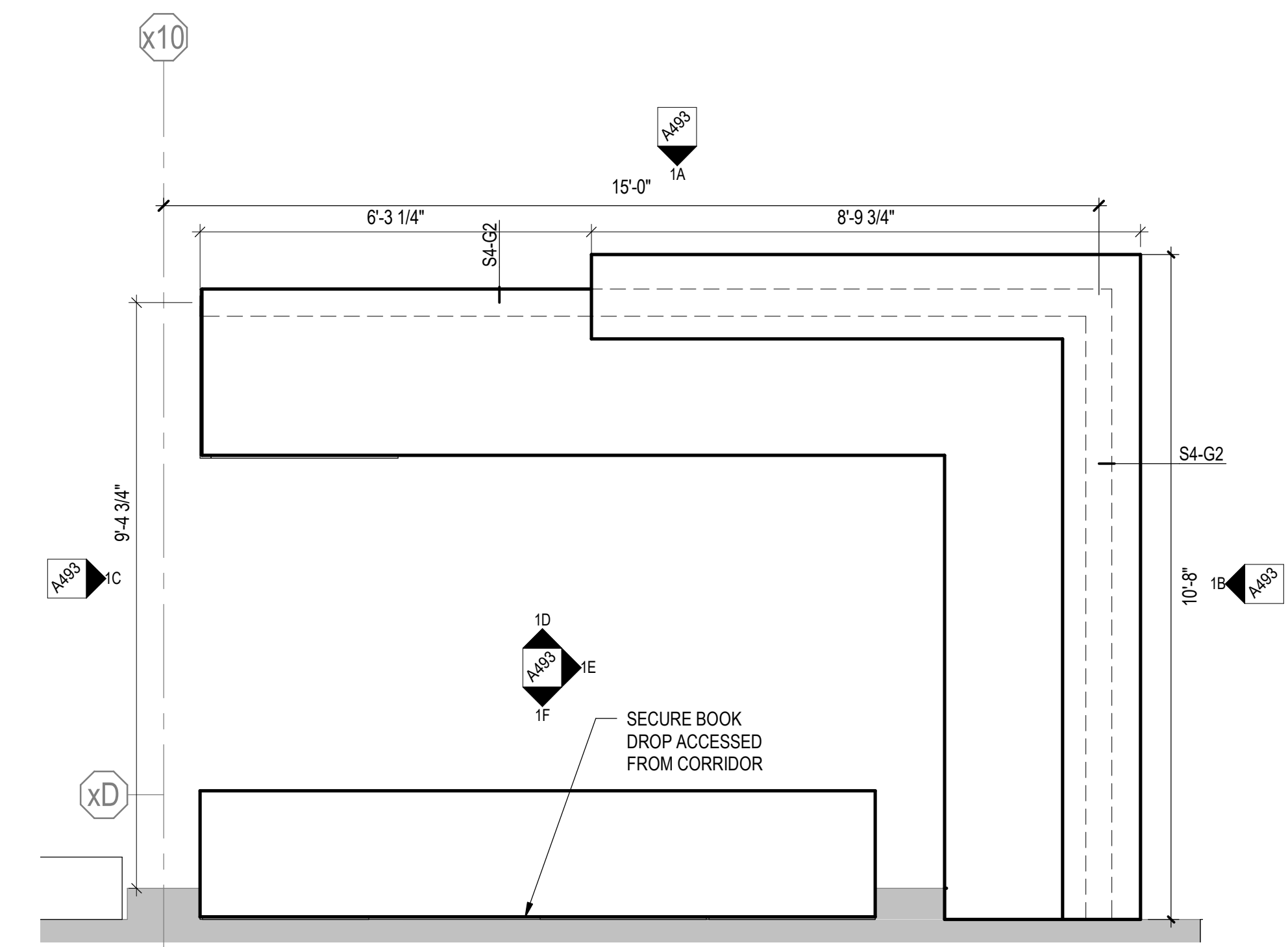
1A LIBRARY RECEPTION FACE - S
SCALE: 1/2" = 1'-0"



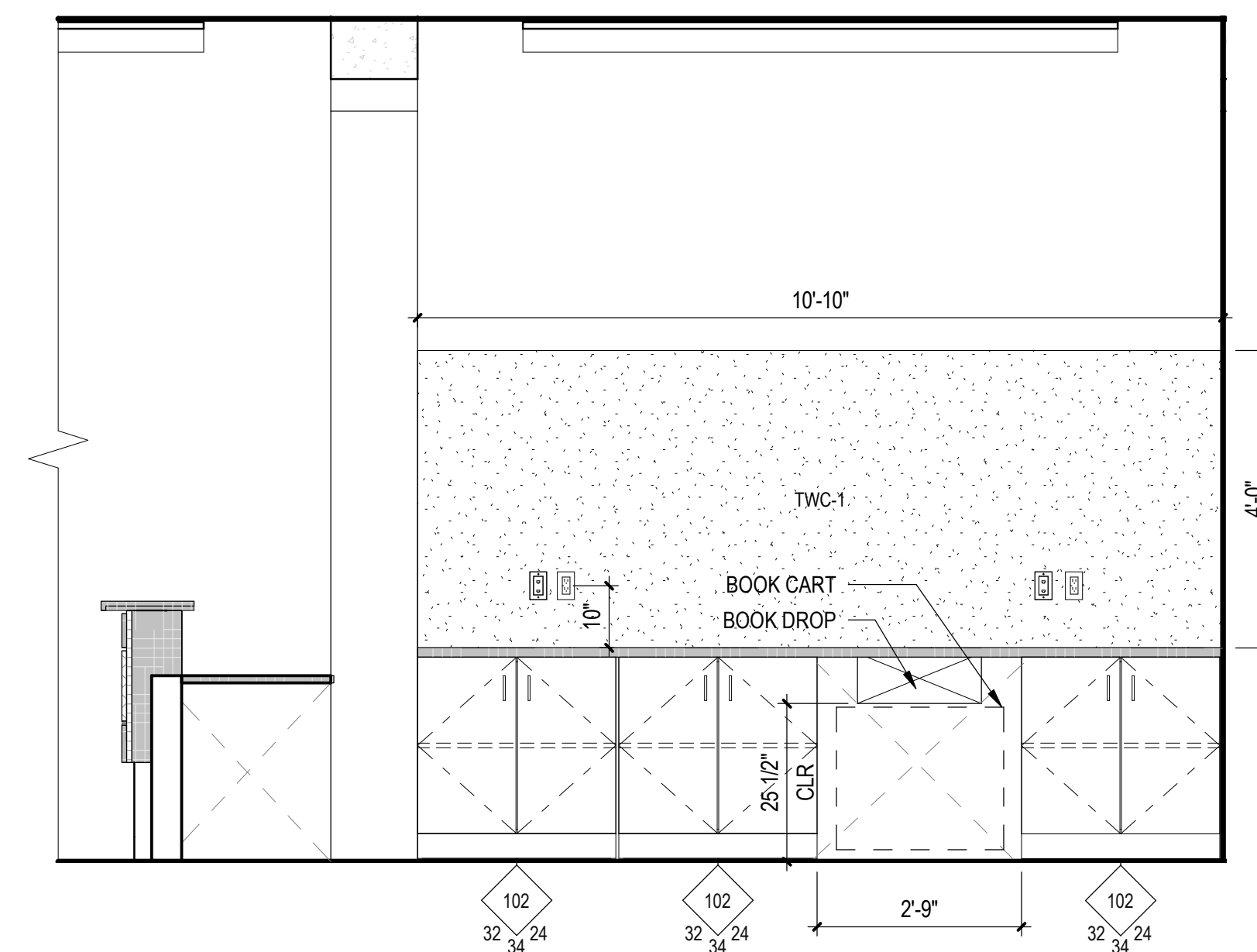
1E LIBRARY RECEPTION BACK - E
SCALE: 1/2" = 1'-0"



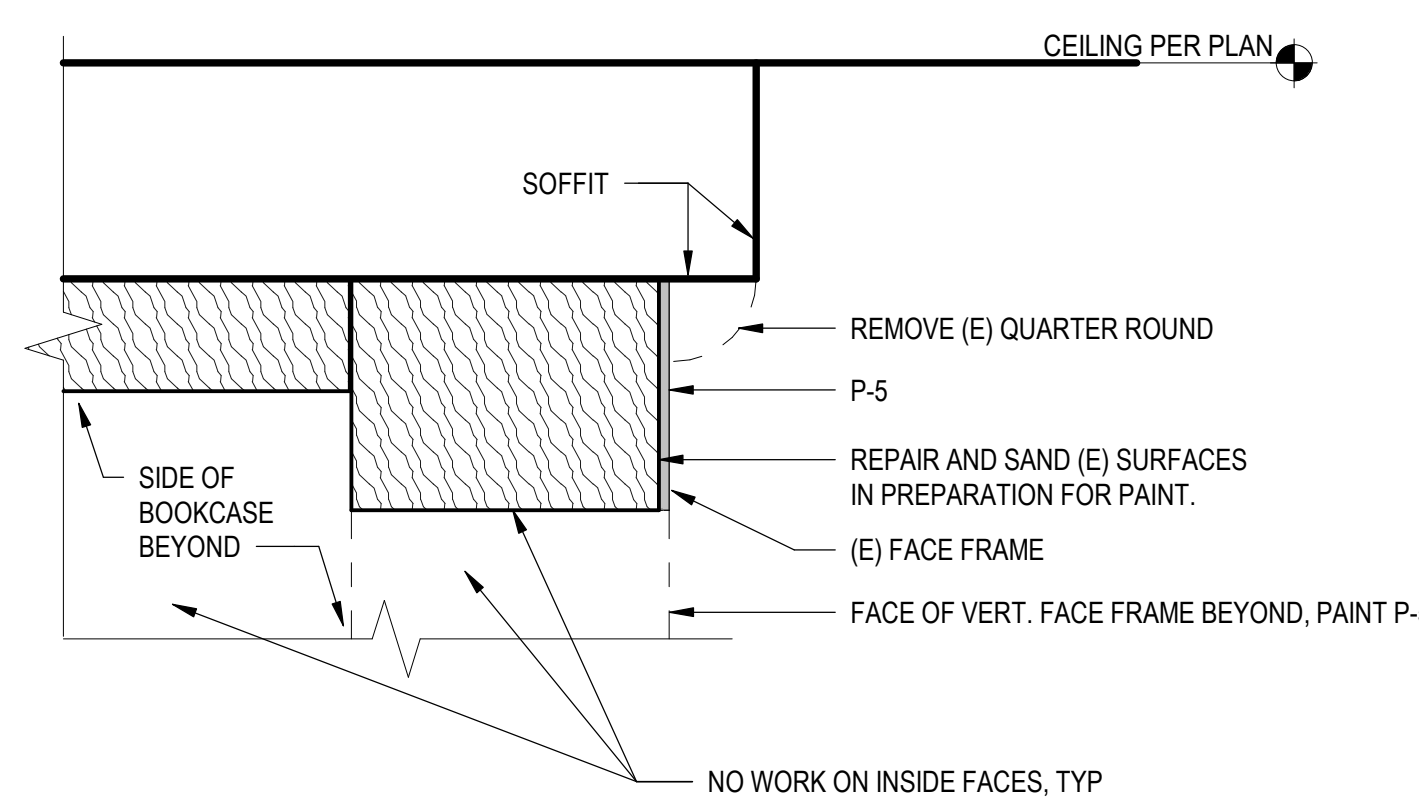
1D LIBRARY RECEPTION BACK - N
SCALE: 1/2" = 1'-0"



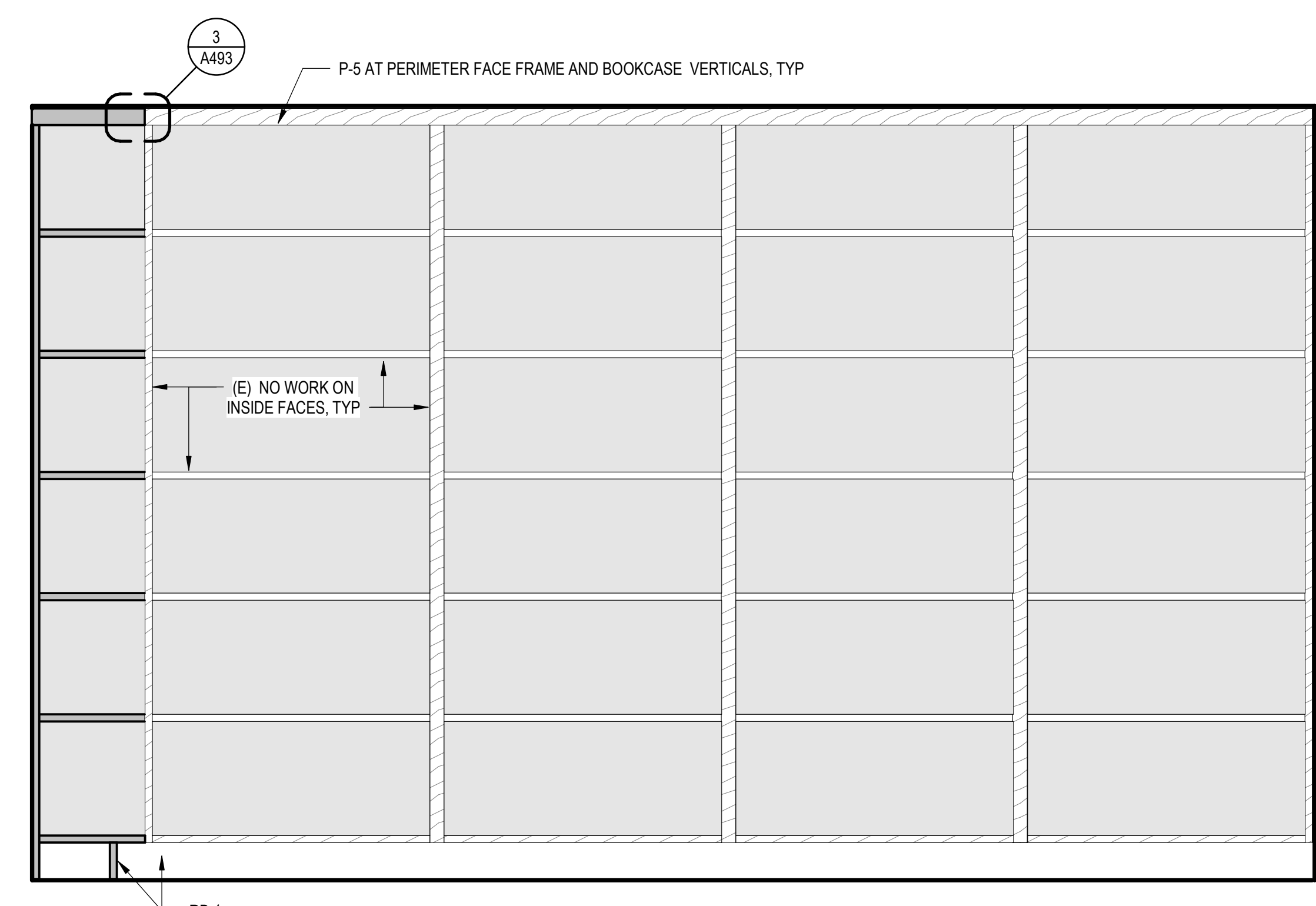
1 ENLARGED FLOOR PLAN - LIBRARY RECEPTION
SCALE: 1/2" = 1'-0"



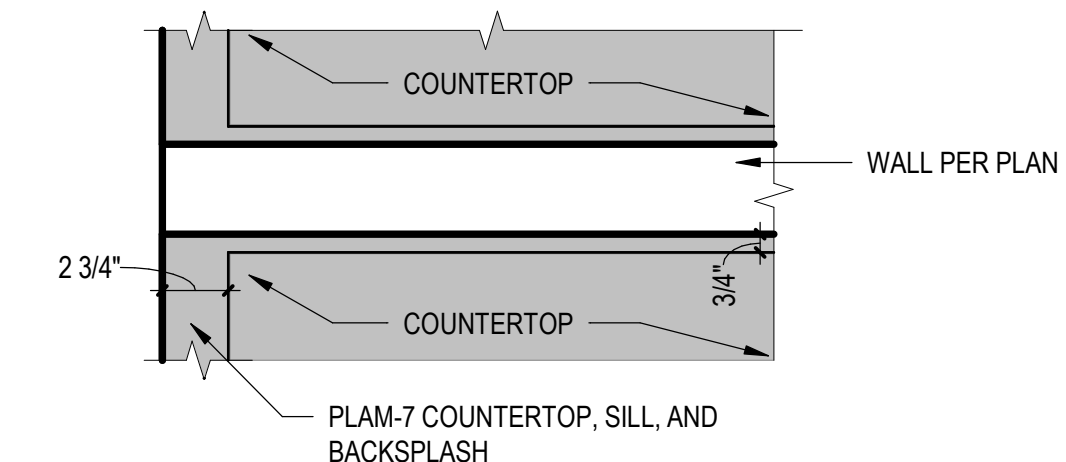
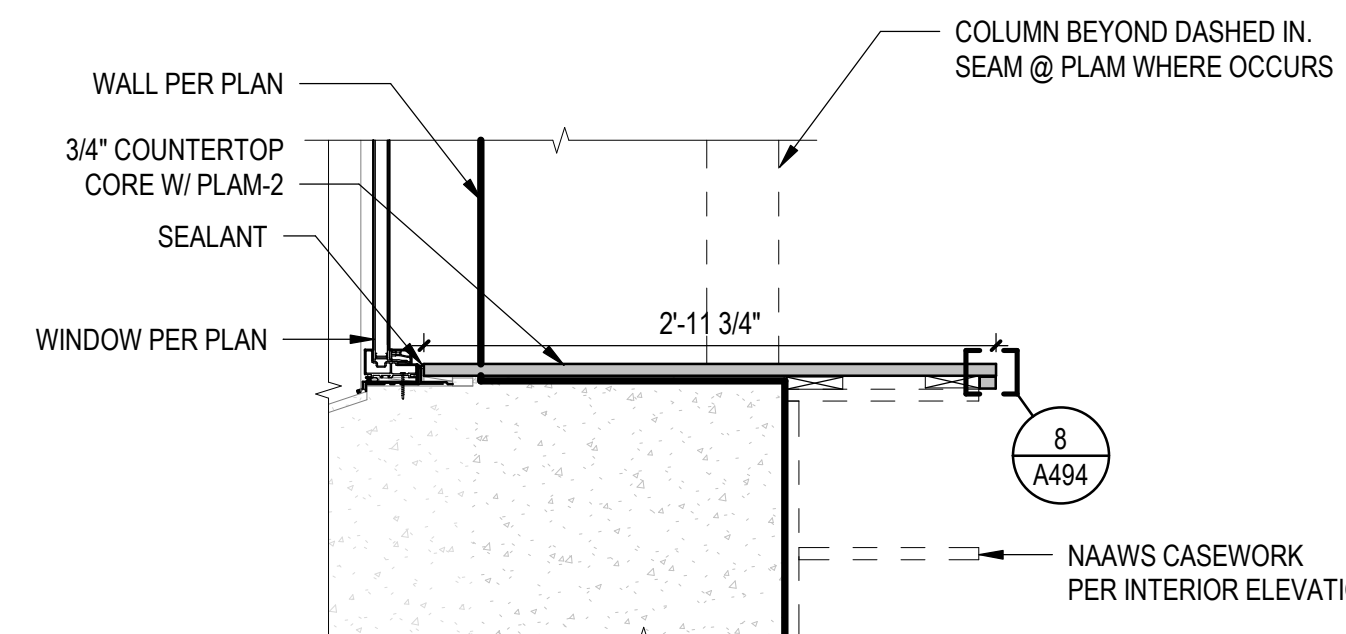
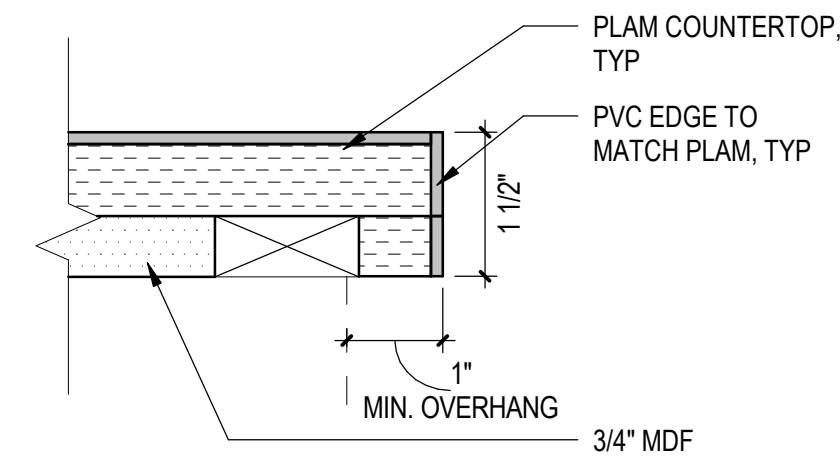
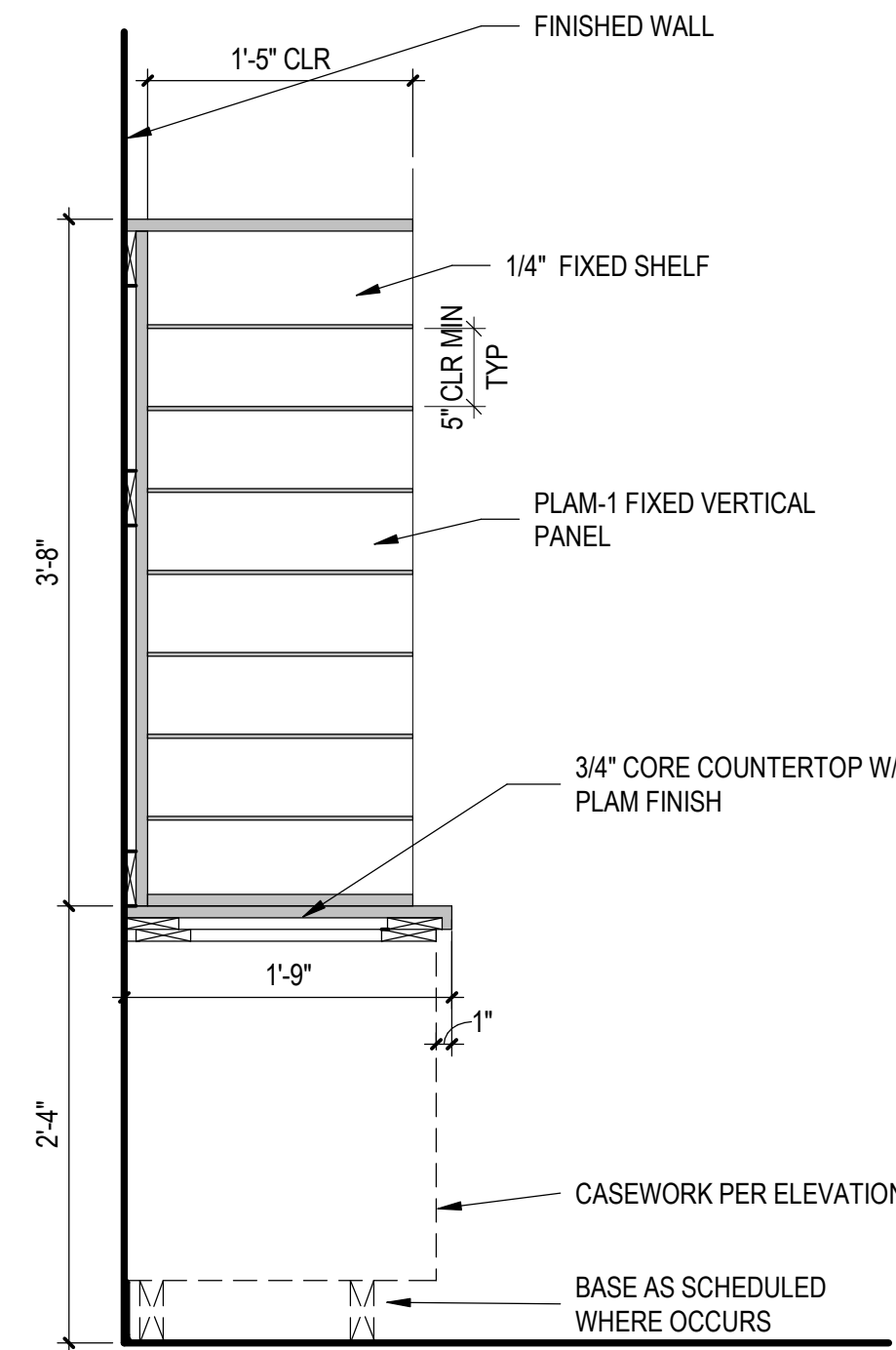
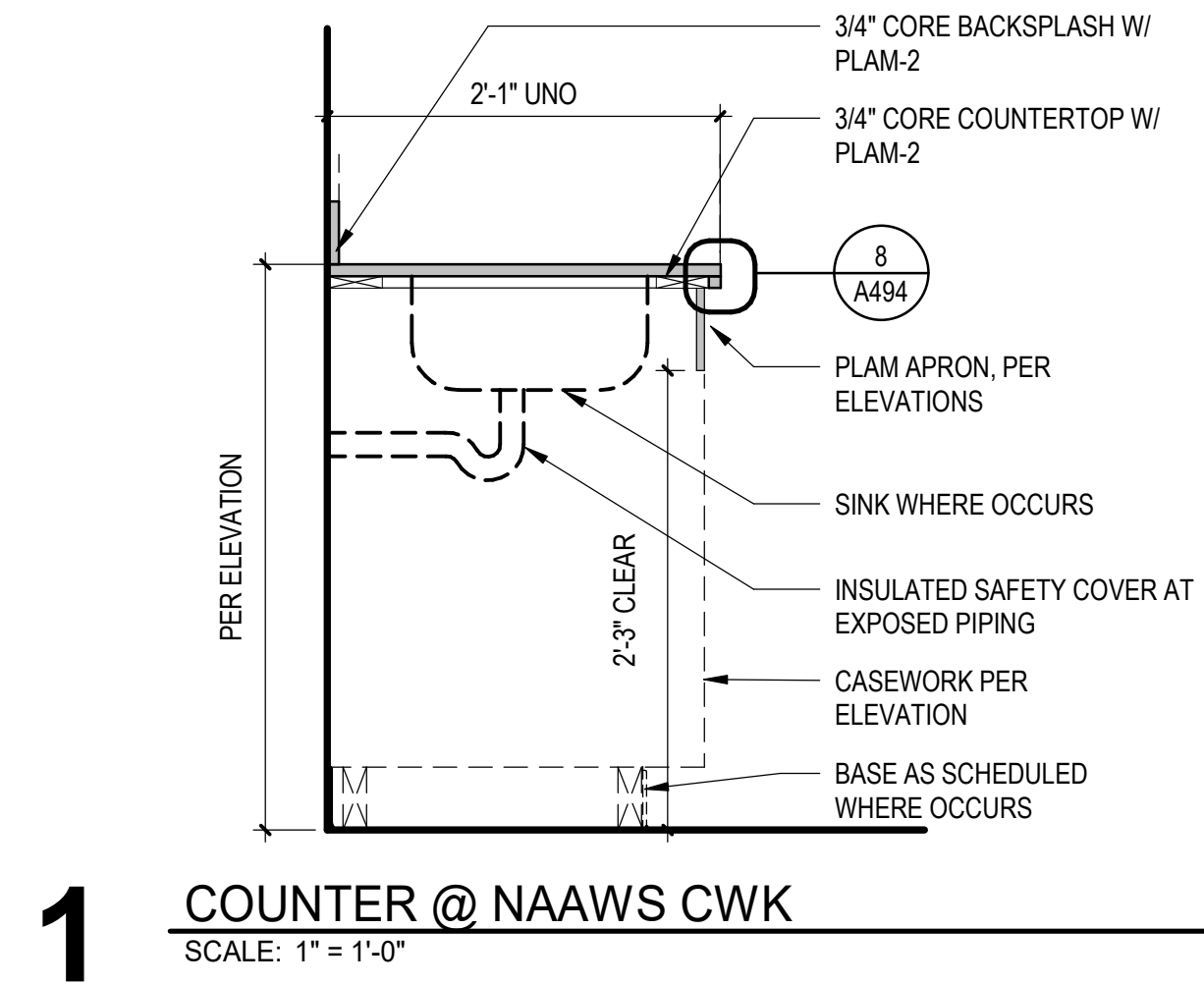
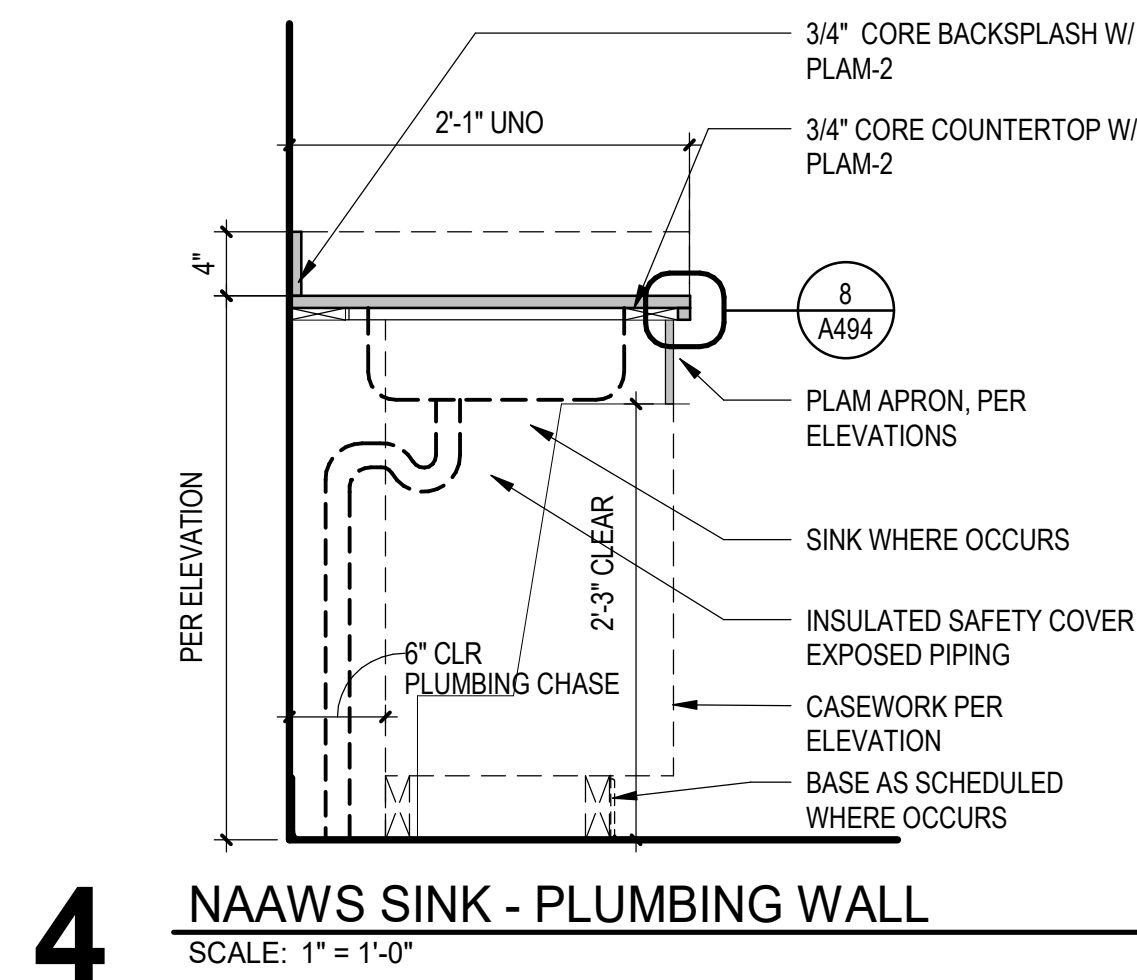
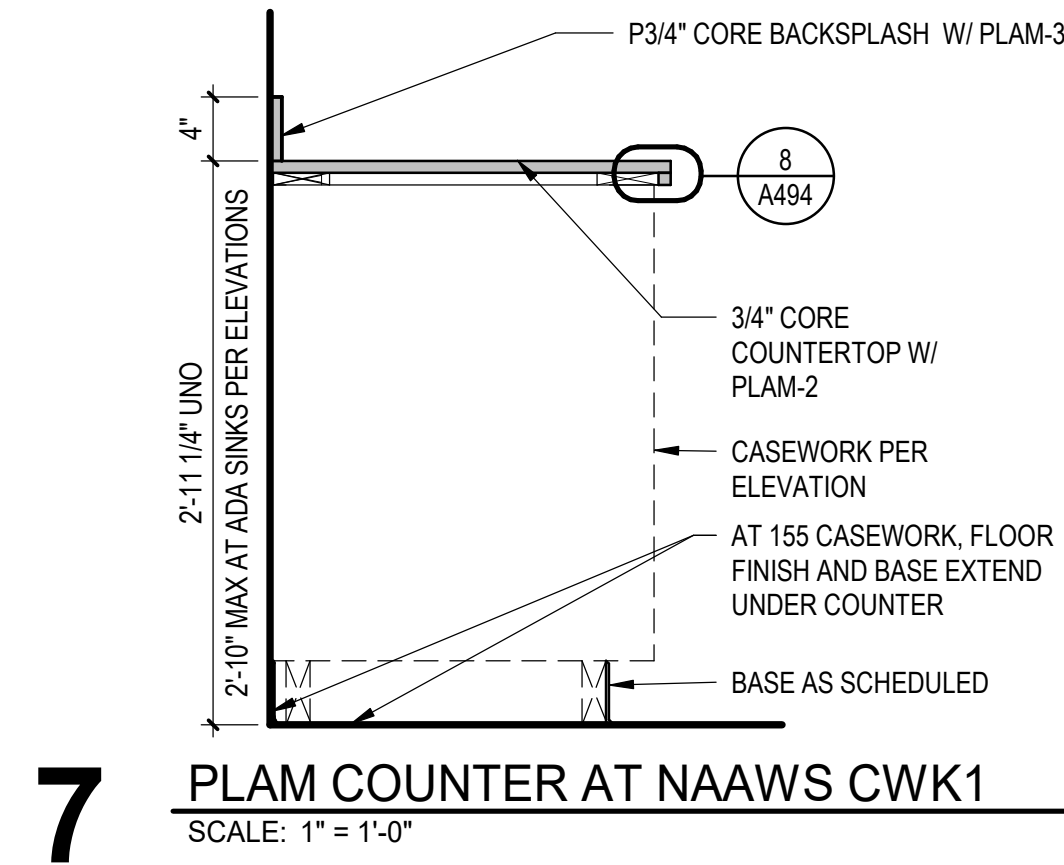
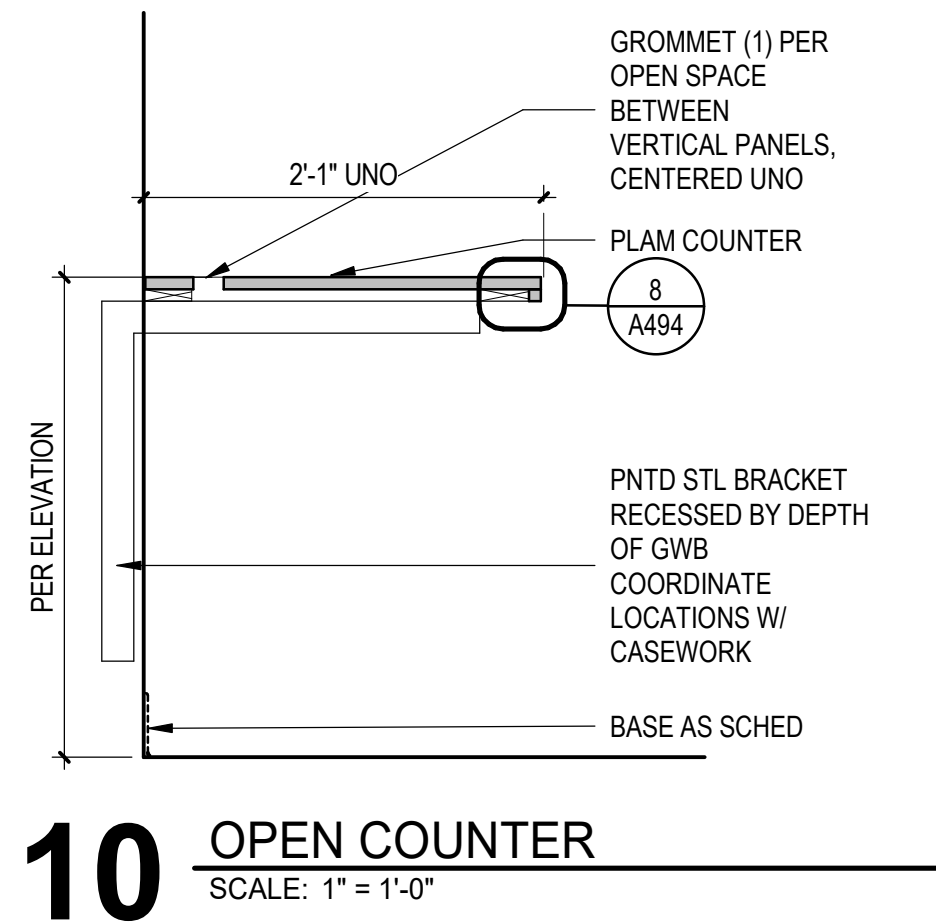
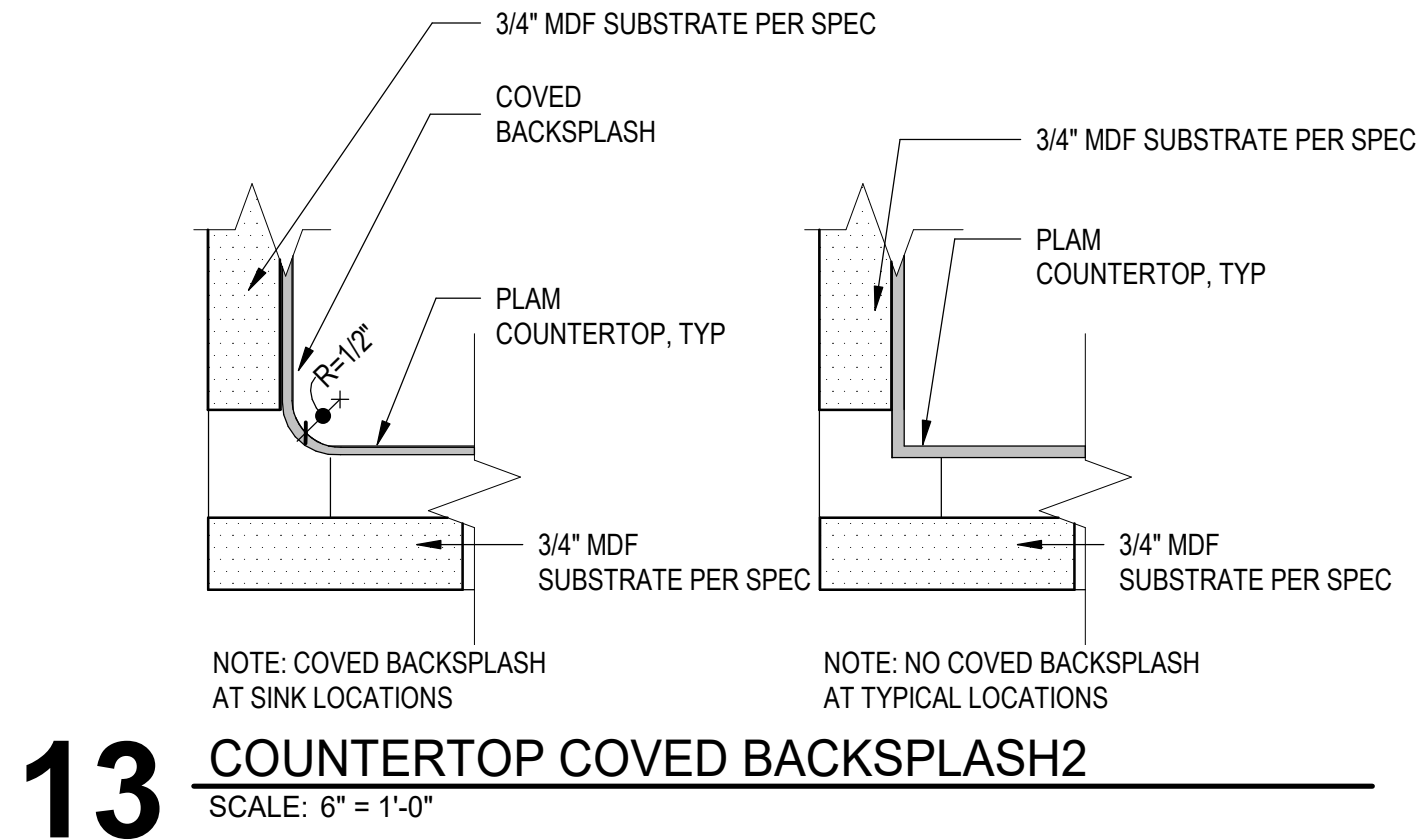
1F LIBRARY RECEPTION BACK - S
SCALE: 1/2" = 1'-0"



3 (E) LIBRARY BOOKCASE TO SOFFIT
SCALE: 6" = 1'-0"



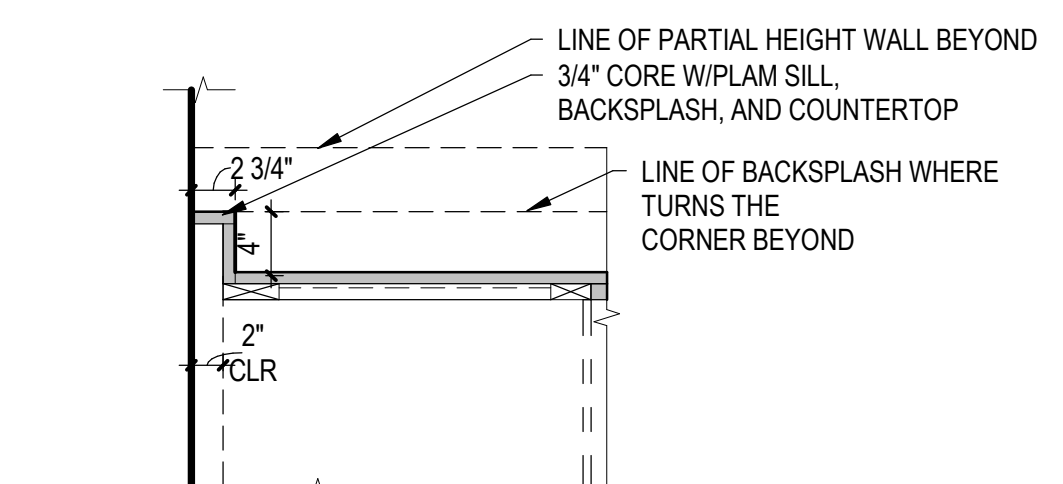
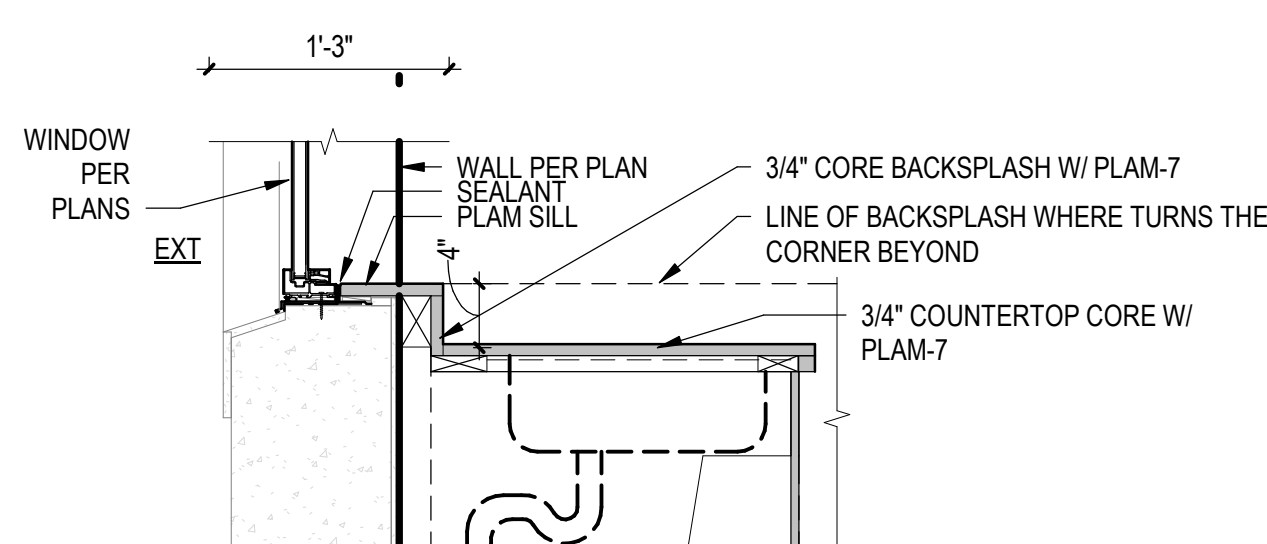
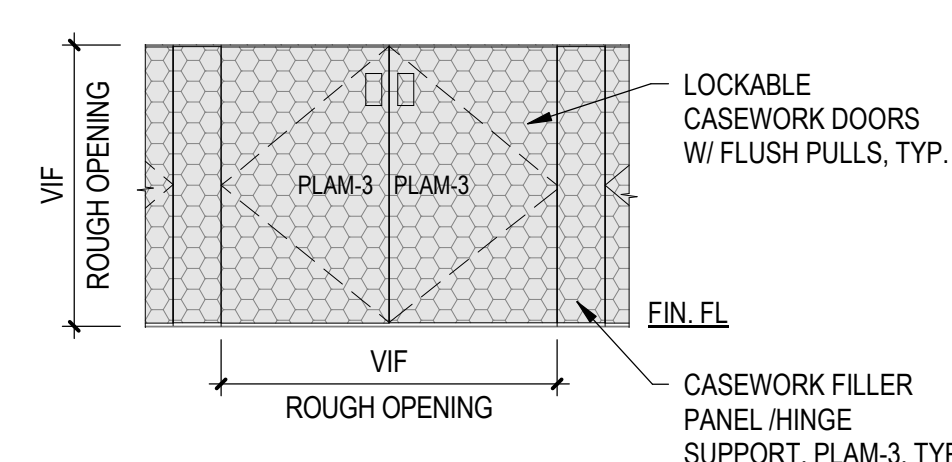
4 SECTION (E) LIBRARY BOOKCASE
SCALE: 1" = 1'-0"



8 COUNTERTOP EDGE AT PLAM SURFACE
SCALE: 6" = 1'-0"

5 COUNTERTOP AT LIBRARY WINDOW SILL
SCALE: 1" = 1'-0"

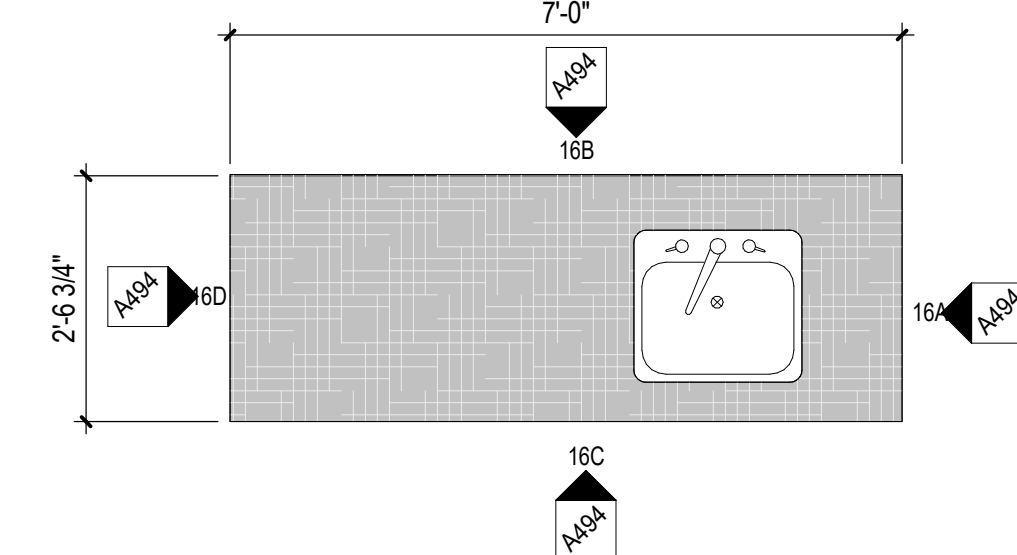
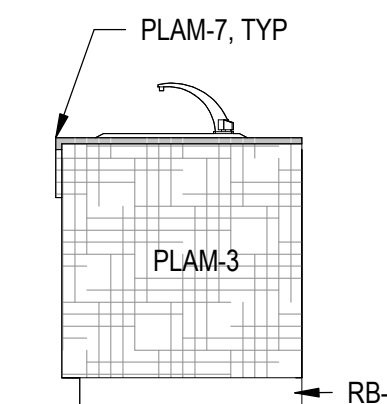
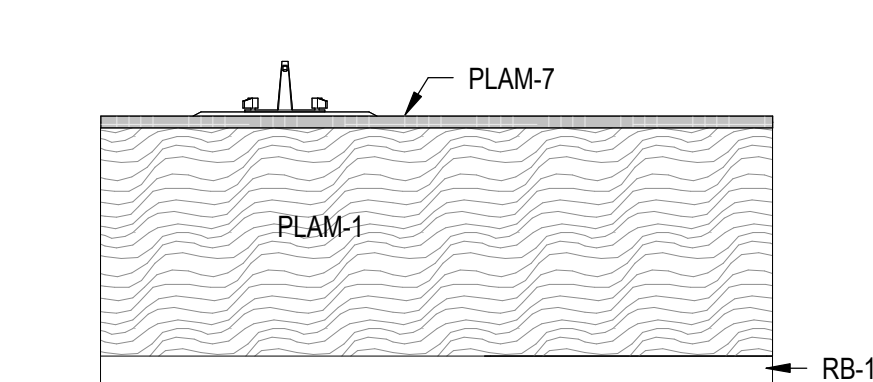
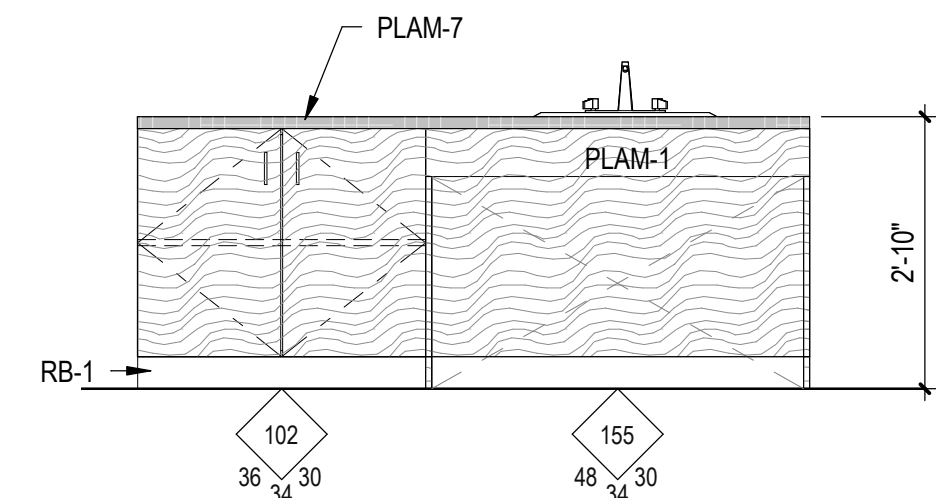
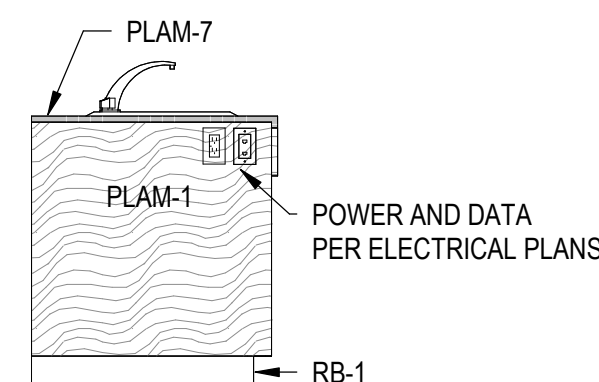
2 PLAN - COUNTERTOPS AT E WALL FSC CLASSROOM
SCALE: 1 1/2" = 1'-0"



9 REPLACEMENT DOORS FOR (E) STORAGE
SCALE: 1/2" = 1'-0"

6 COUNTERTOP AT FSC WINDOW SILL
SCALE: 1" = 1'-0"

3 COUNTERTOPS AT E WALL FSC CLASSROOM
SCALE: 1" = 1'-0"



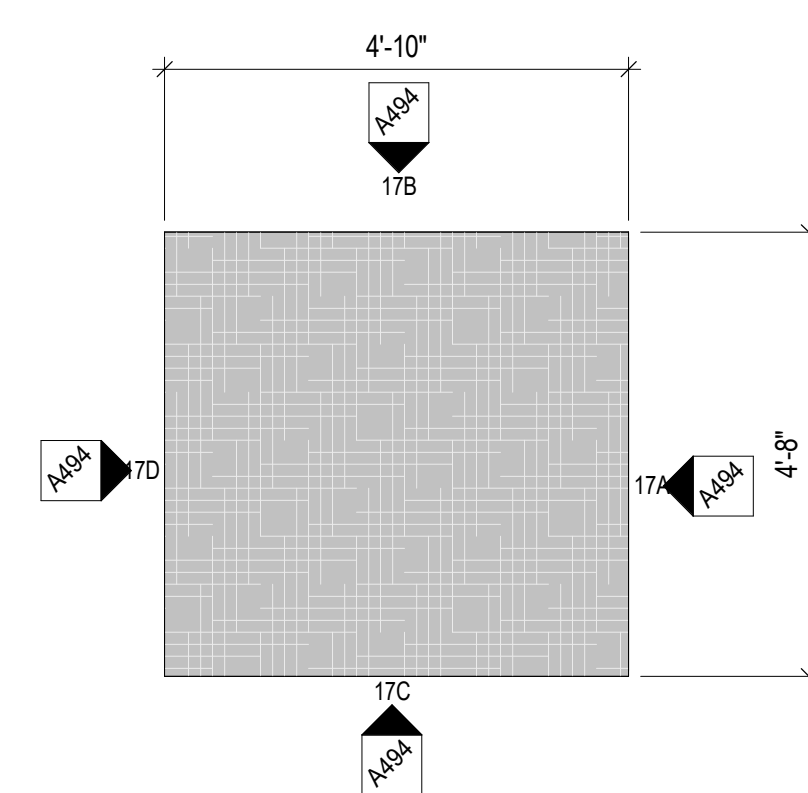
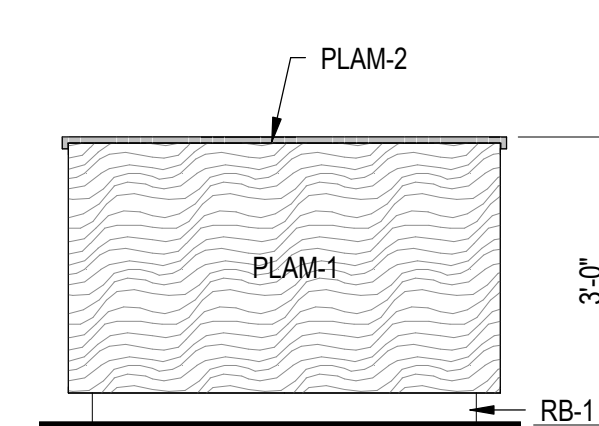
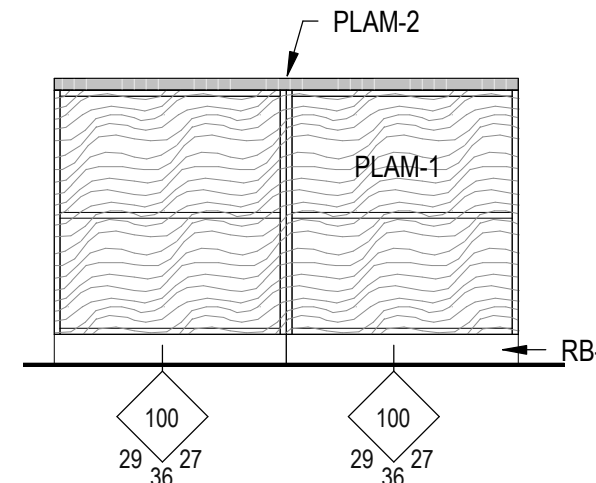
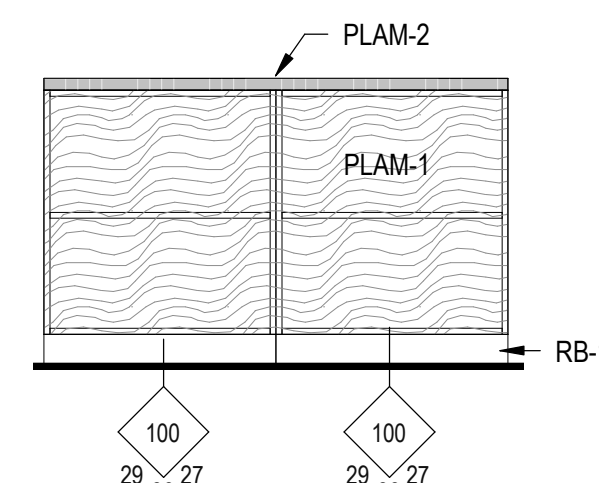
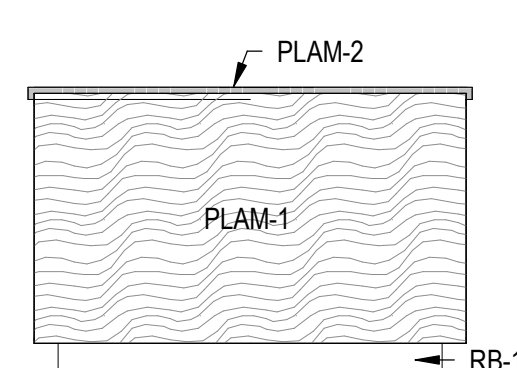
16D DEMONSTRATION TABLE - E
SCALE: 1/2" = 1'-0"

16C DEMONSTRATION TABLE - N
SCALE: 1/2" = 1'-0"

16B DEMONSTRATION TABLE - S
SCALE: 1/2" = 1'-0"

16A DEMONSTRATION TABLE - W
SCALE: 1/2" = 1'-0"

16 DEMONSTRATION TABLE
SCALE: 1/2" = 1'-0"



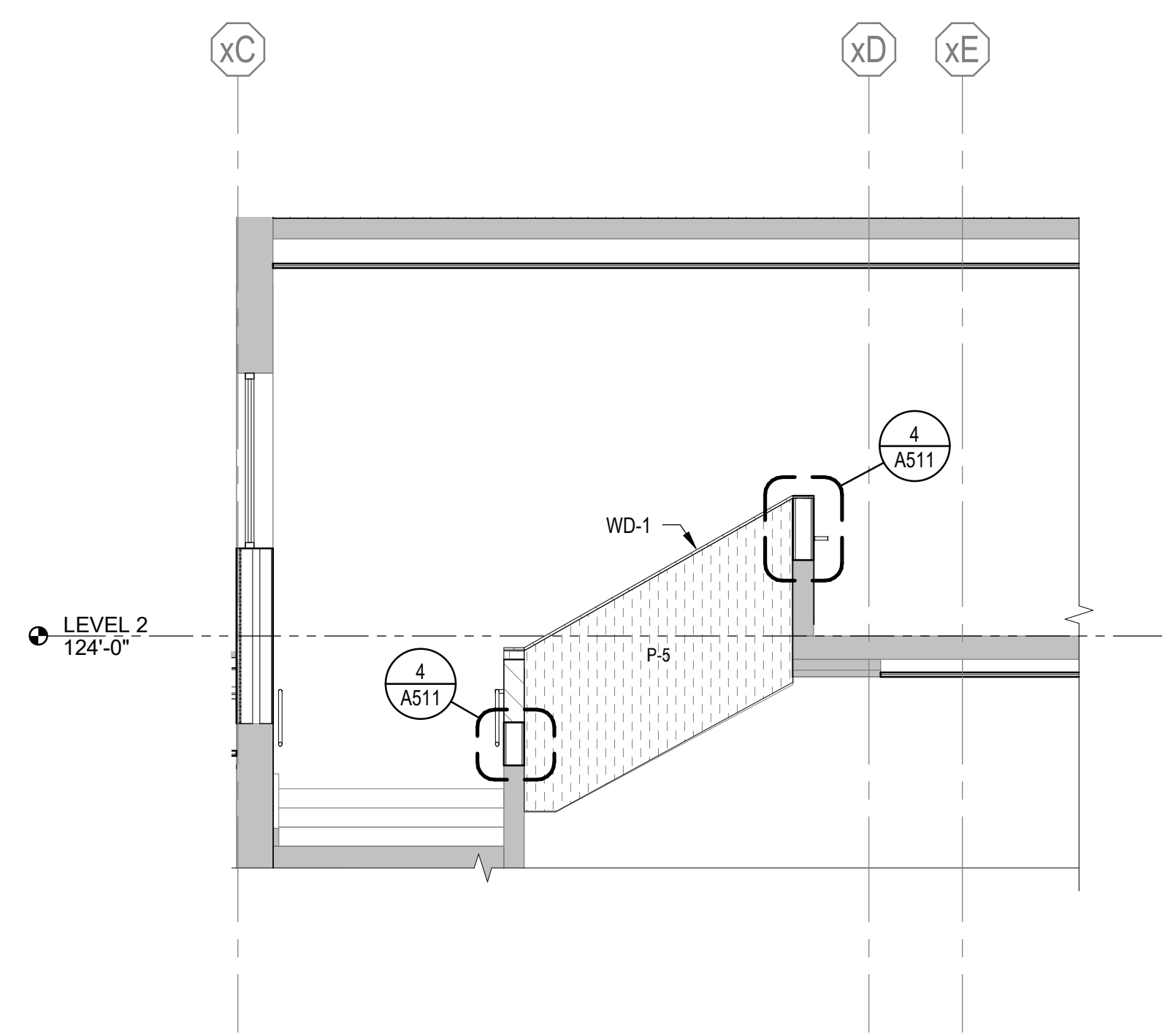
17D ISLAND - E
SCALE: 1/2" = 1'-0"

17C ISLAND - N
SCALE: 1/2" = 1'-0"

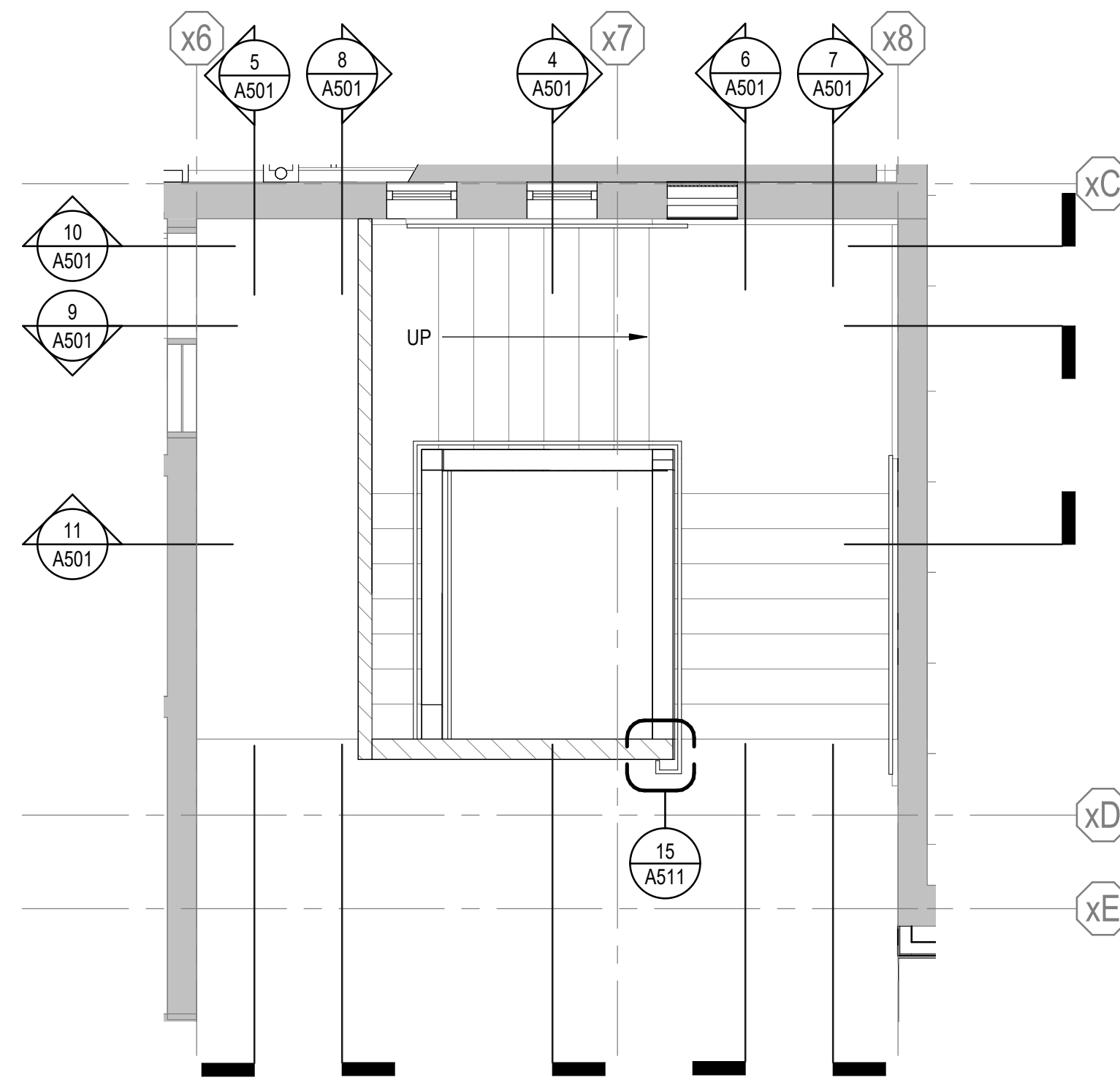
17B ISLAND - S
SCALE: 1/2" = 1'-0"

17A ISLAND - W
SCALE: 1/2" = 1'-0"

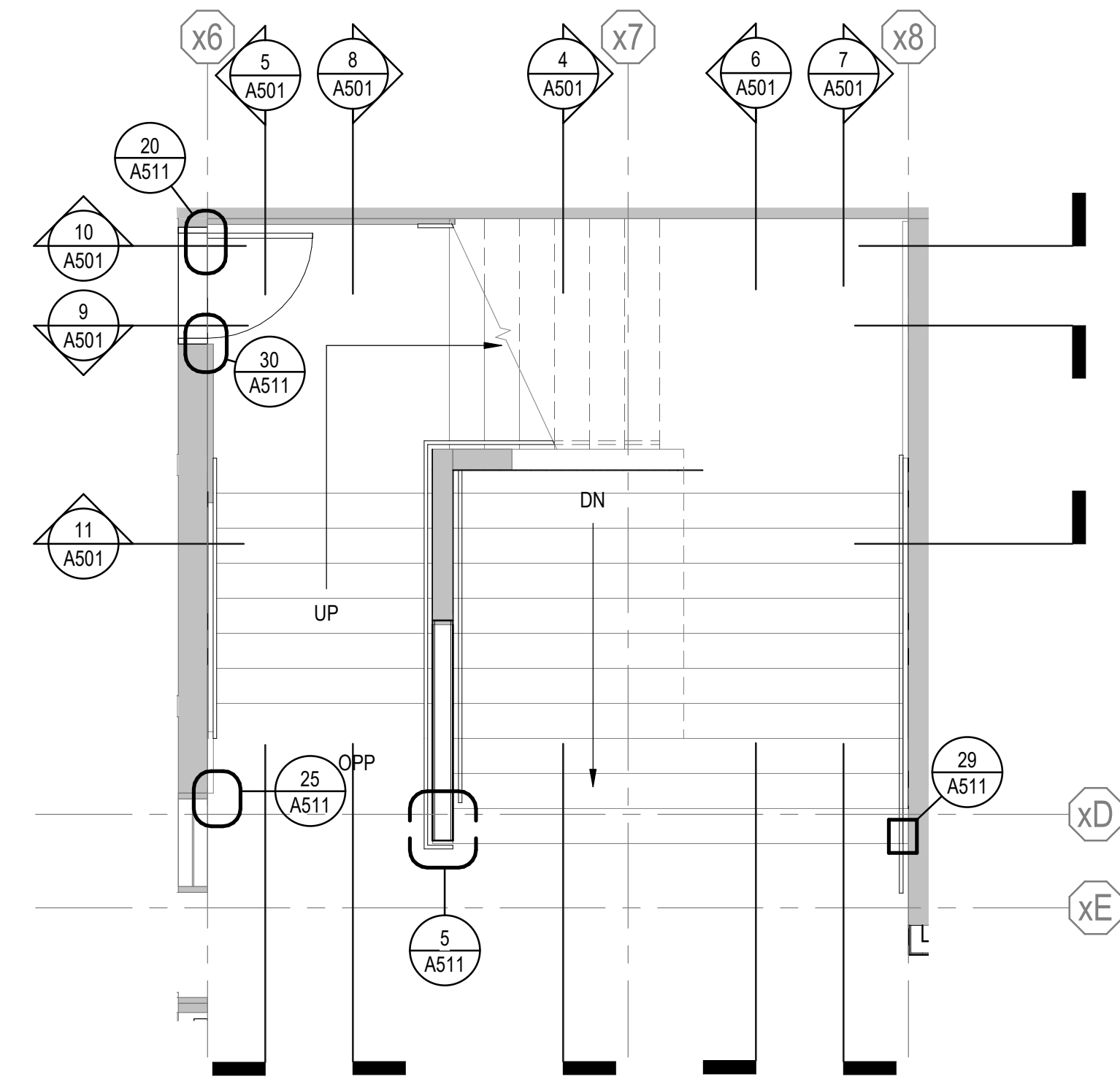
17 MUSIC VESTIBULE ISLAND
SCALE: 1/2" = 1'-0"



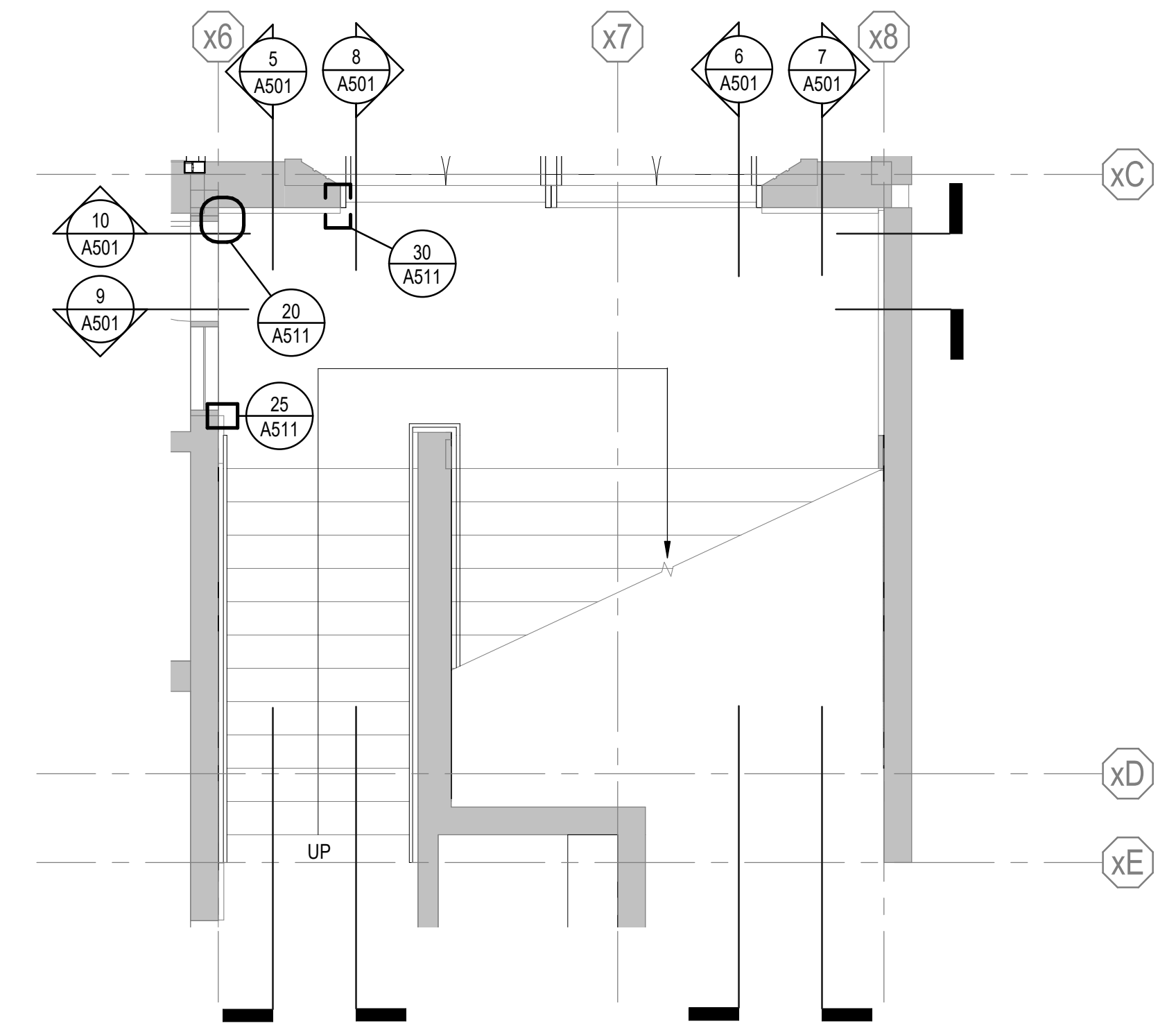
4 STAIR A - SECTION EAST 2
SCALE: 1/4" = 1'-0"



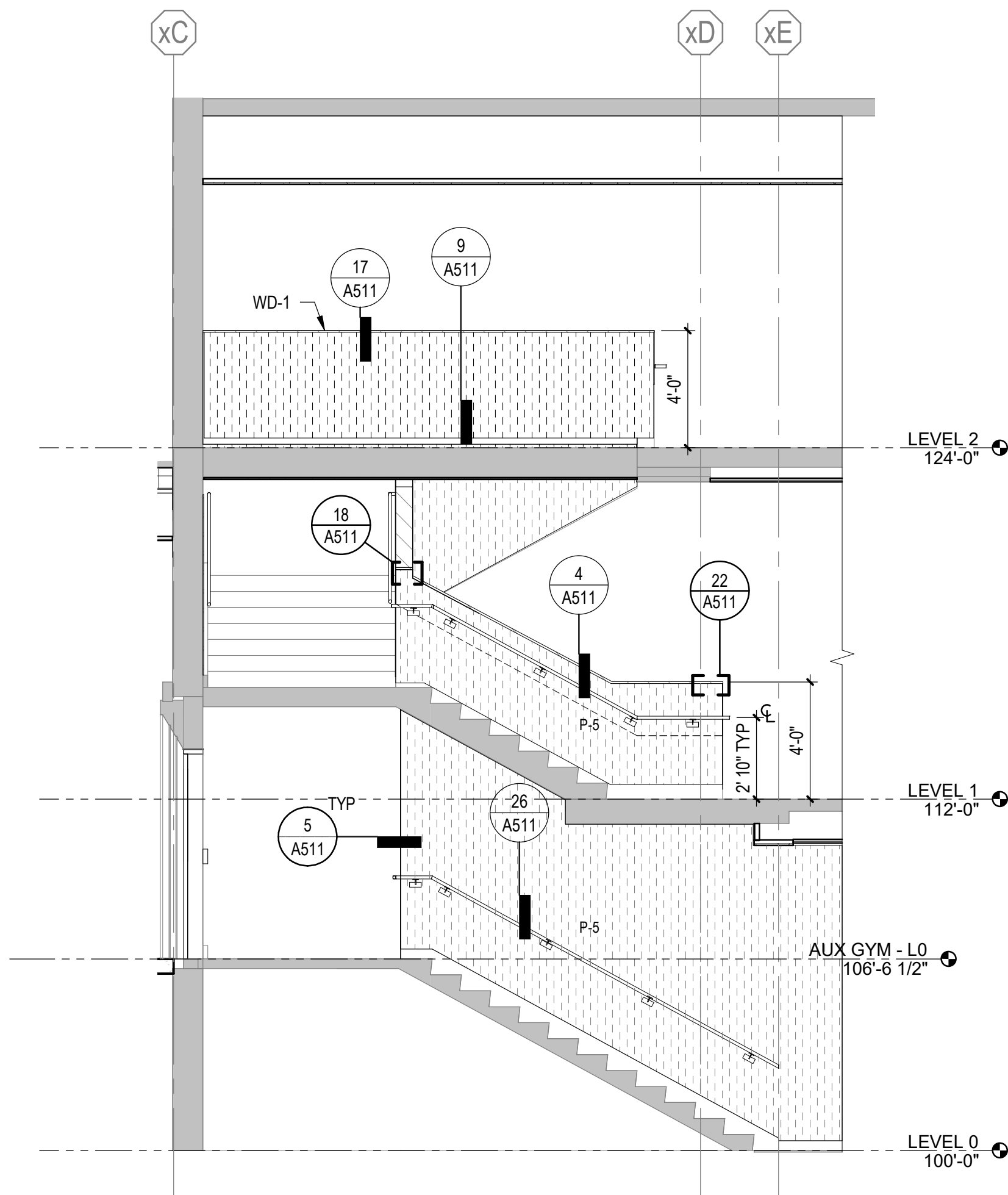
3 LEVEL 2 - STAIR A 240A
SCALE: 1/4" = 1'-0"



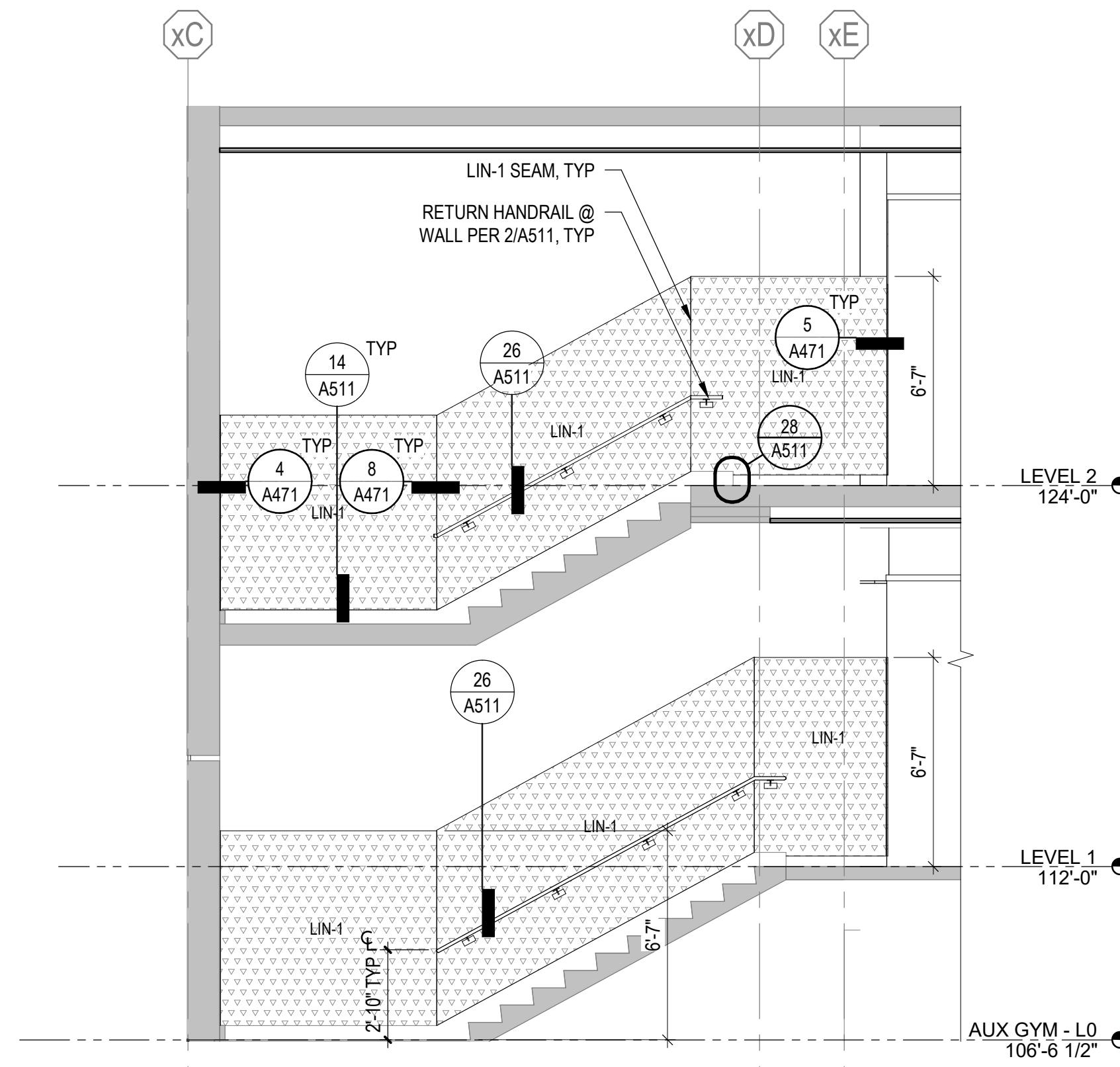
2 LEVEL 1 - STAIR A 140A
SCALE: 1/4" = 1'-0"



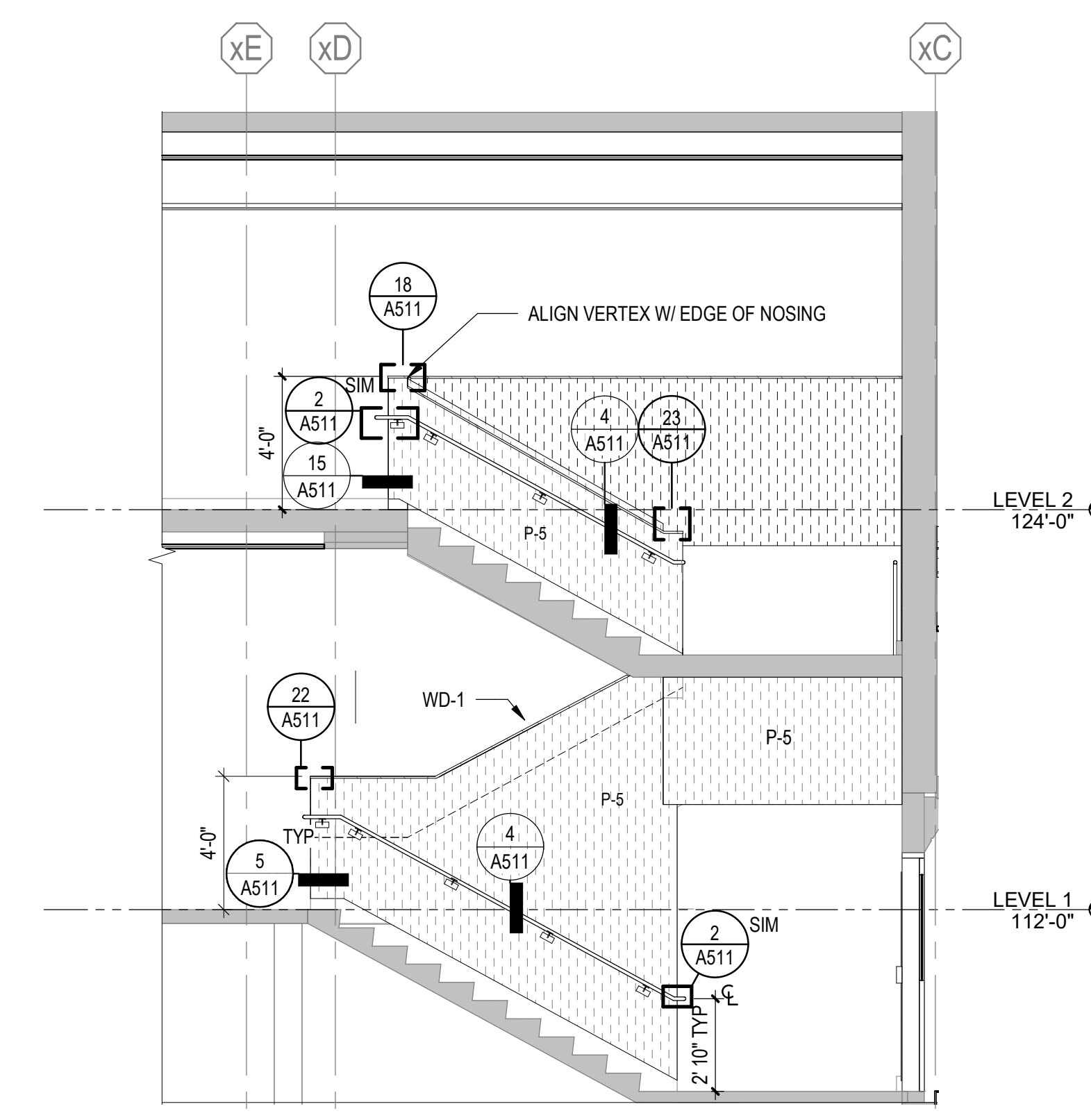
1 LEVEL 0 - STAIR A 040A
SCALE: 1/4" = 1'-0"



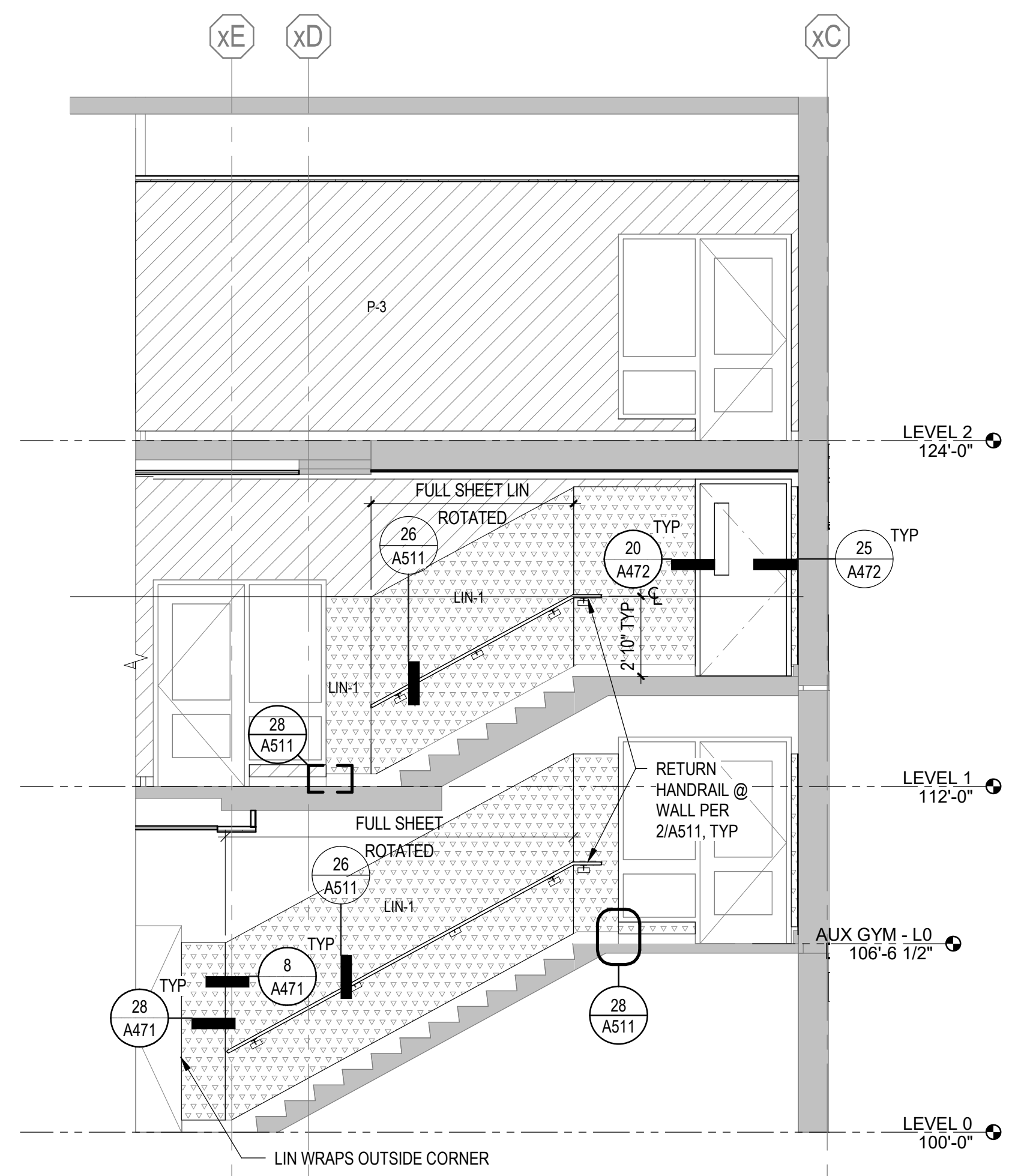
8 STAIR A - SECTION EAST 3
SCALE: 1/4" = 1'-0"



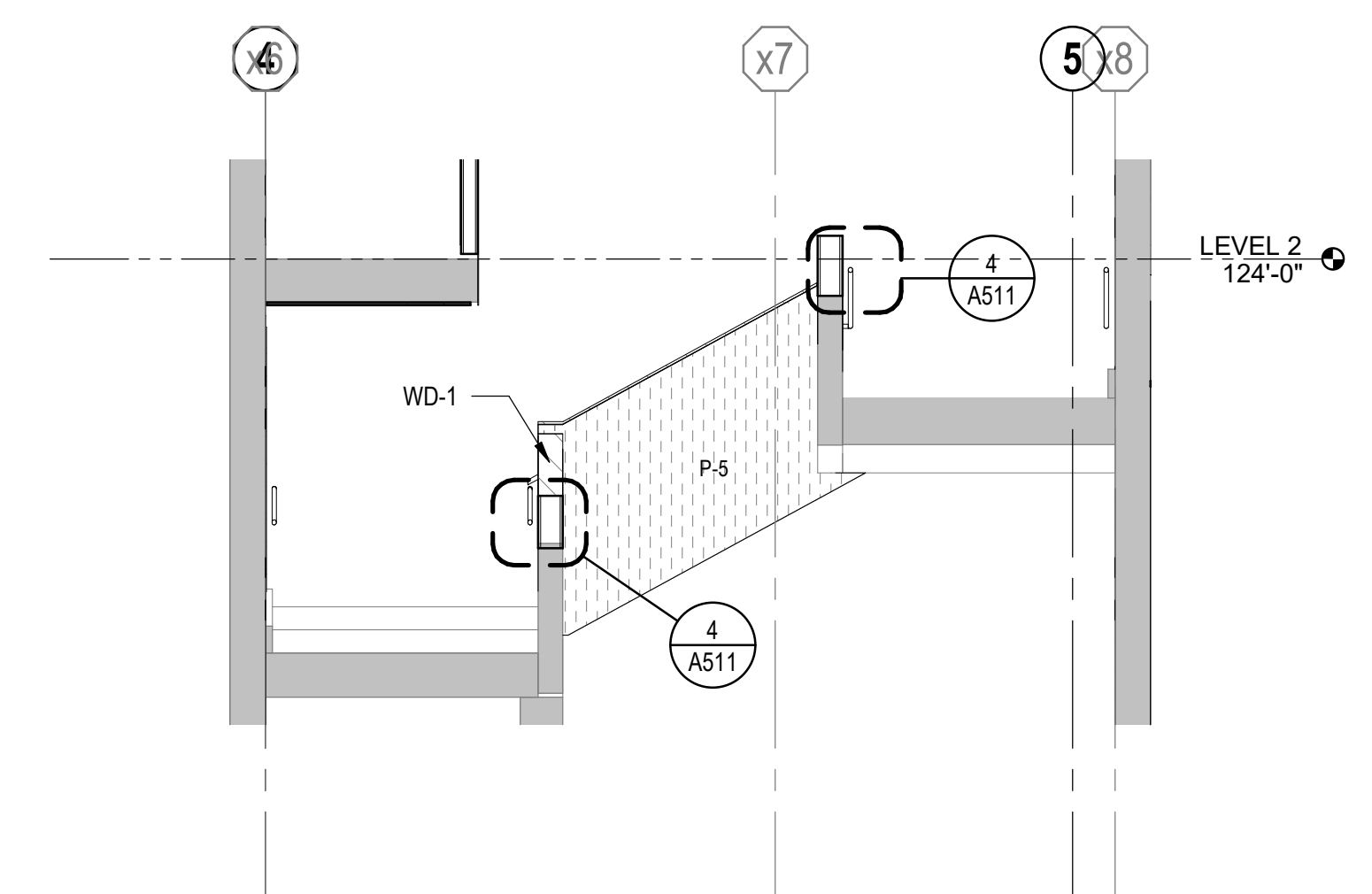
7 STAIR A - SECTION EAST 1
SCALE: 1/4" = 1'-0"



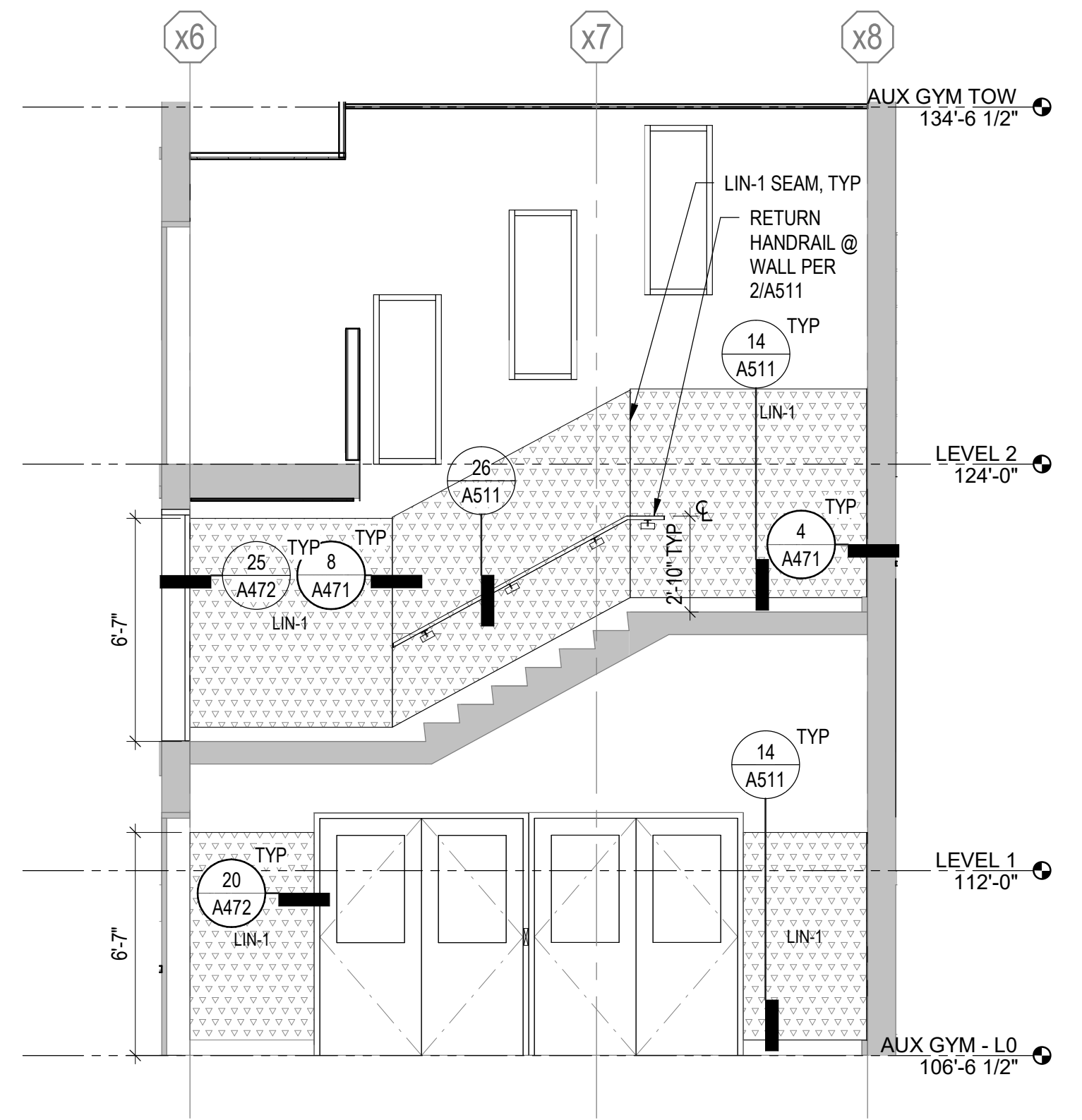
6 STAIR A - SECTION WEST 2
SCALE: 1/4" = 1'-0"



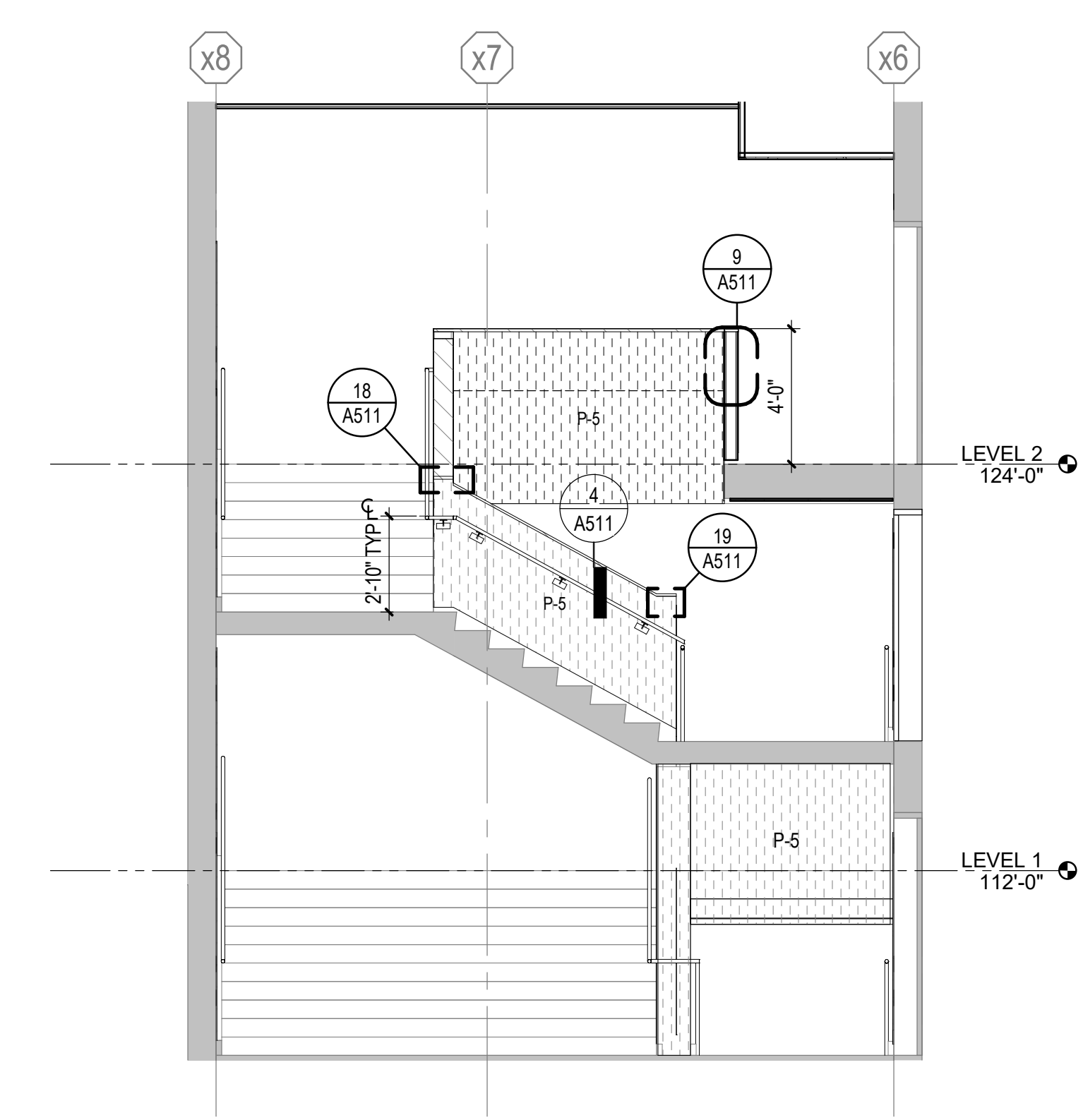
5 STAIR A - SECTION WEST 1
SCALE: 1/4" = 1'-0"



11 STAIR A - SECTION NORTH 2
SCALE: 1/4" = 1'-0"



10 STAIR A - SECTION NORTH 1
SCALE: 1/4" = 1'-0"

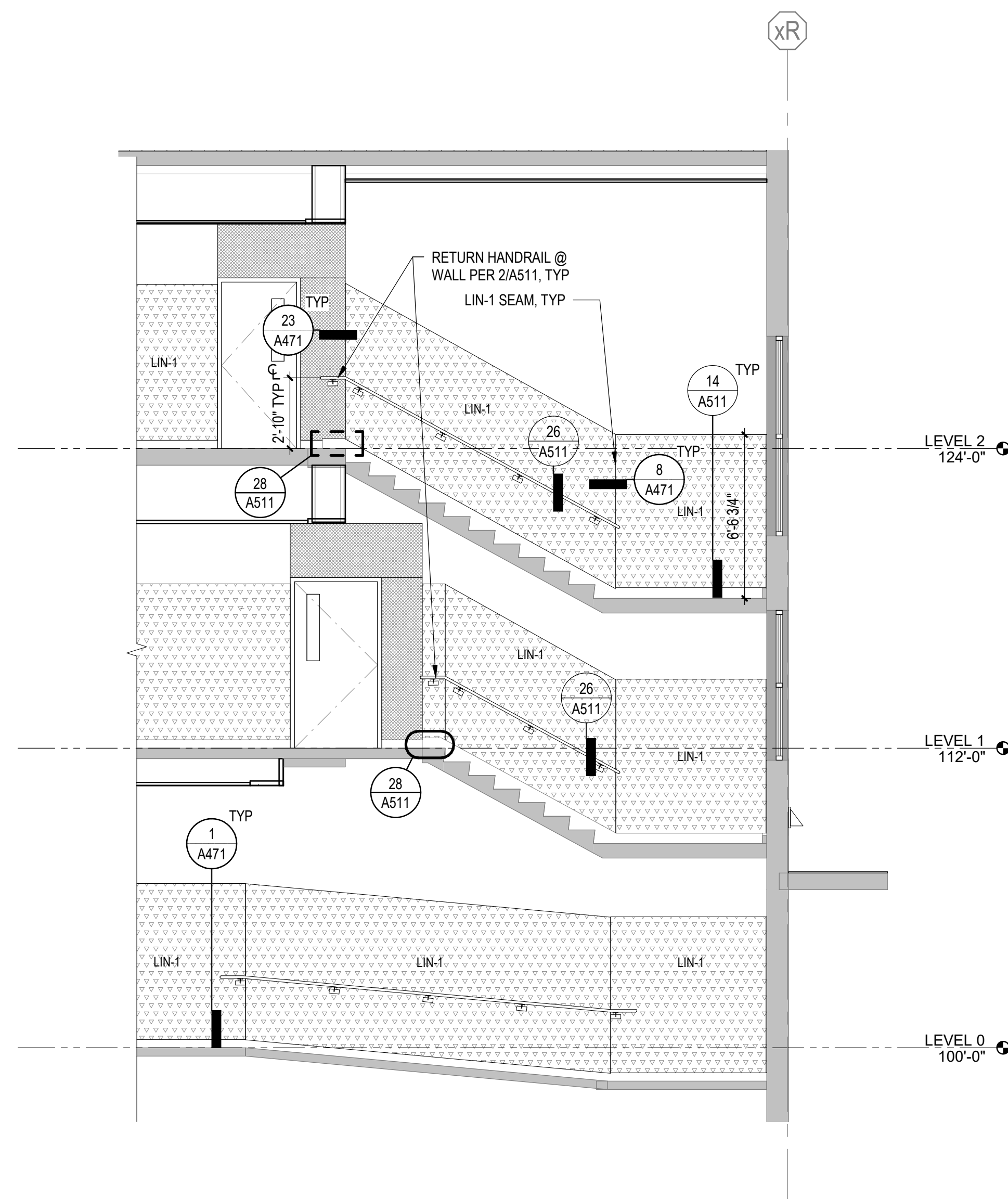


9 STAIR A - SECTION SOUTH 1
SCALE: 1/4" = 1'-0"

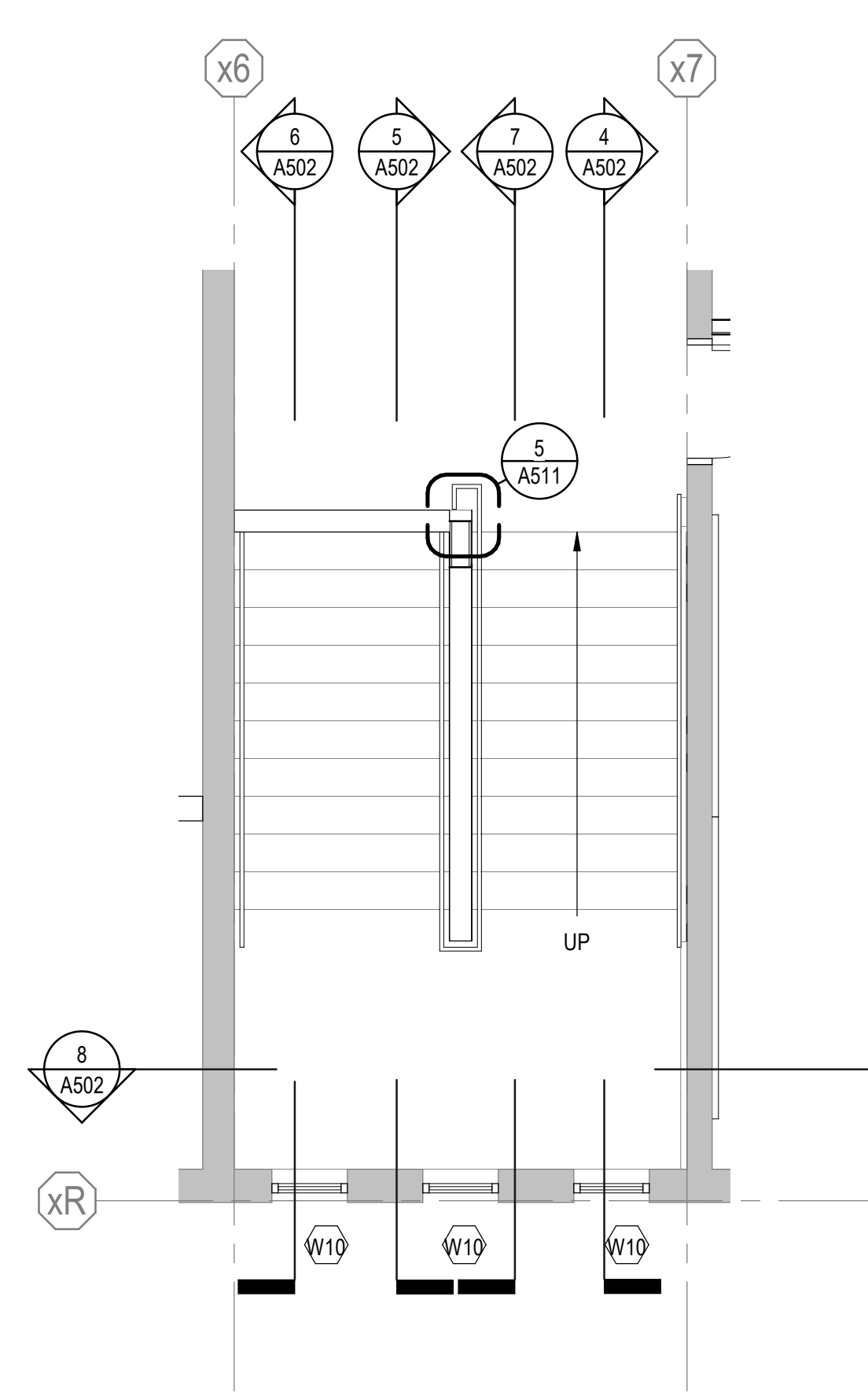
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	CF
Revisions	
#	Date Description

ENLARGED
STAIR PLANS
AND SECTIONS

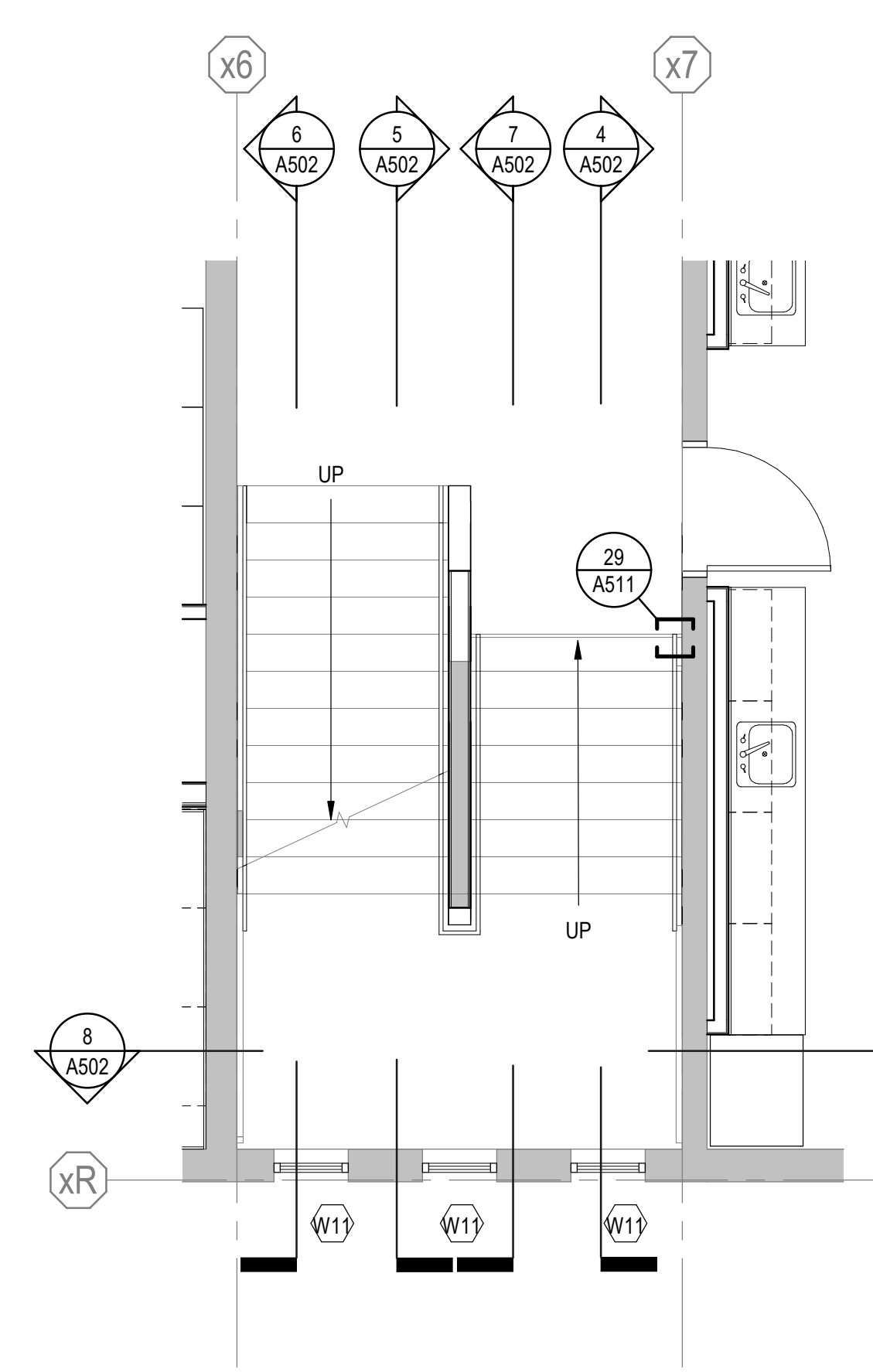
A501



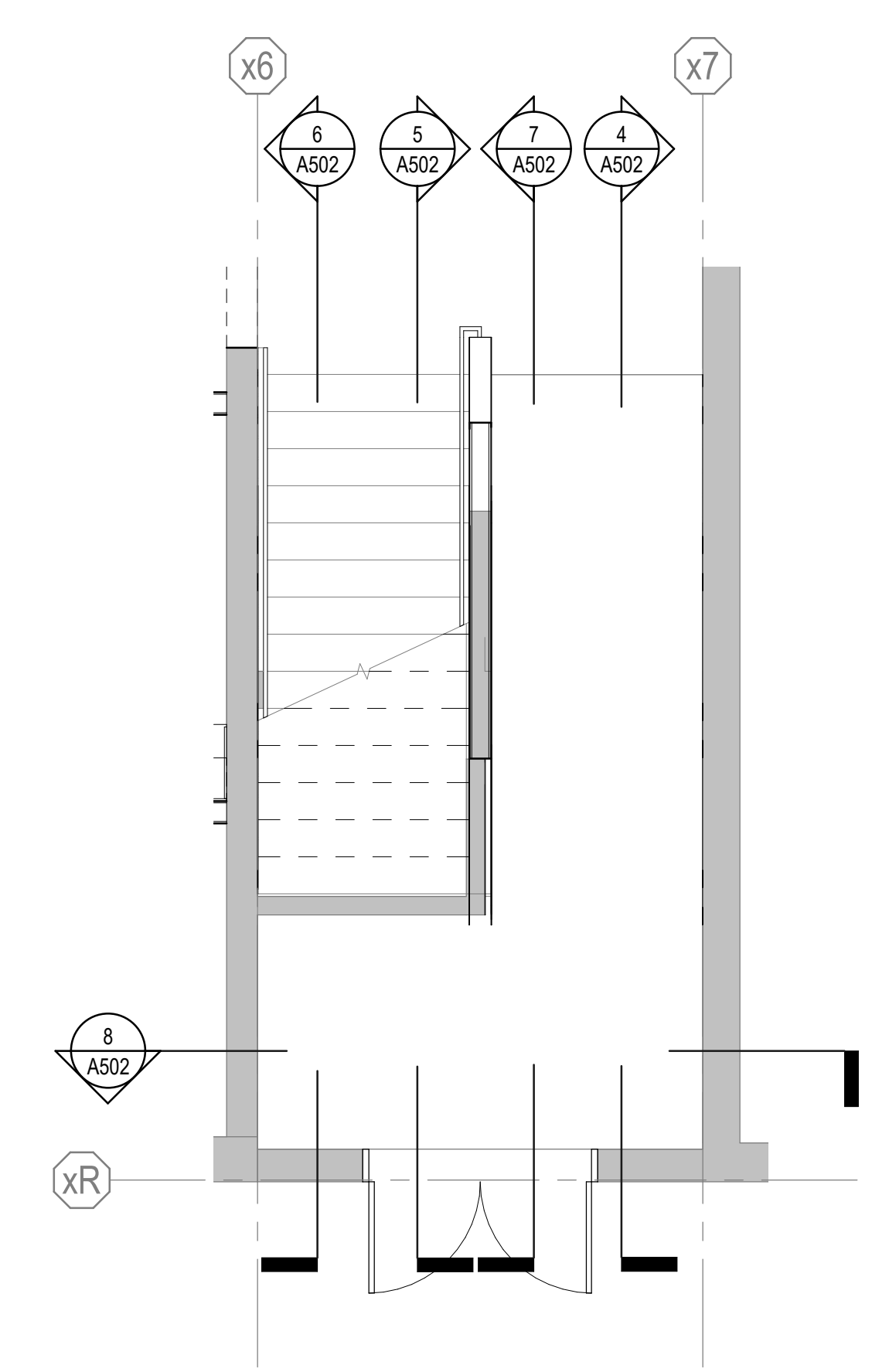
4 STAIR B SECTION EAST 1
SCALE: 1/4" = 1'-0"



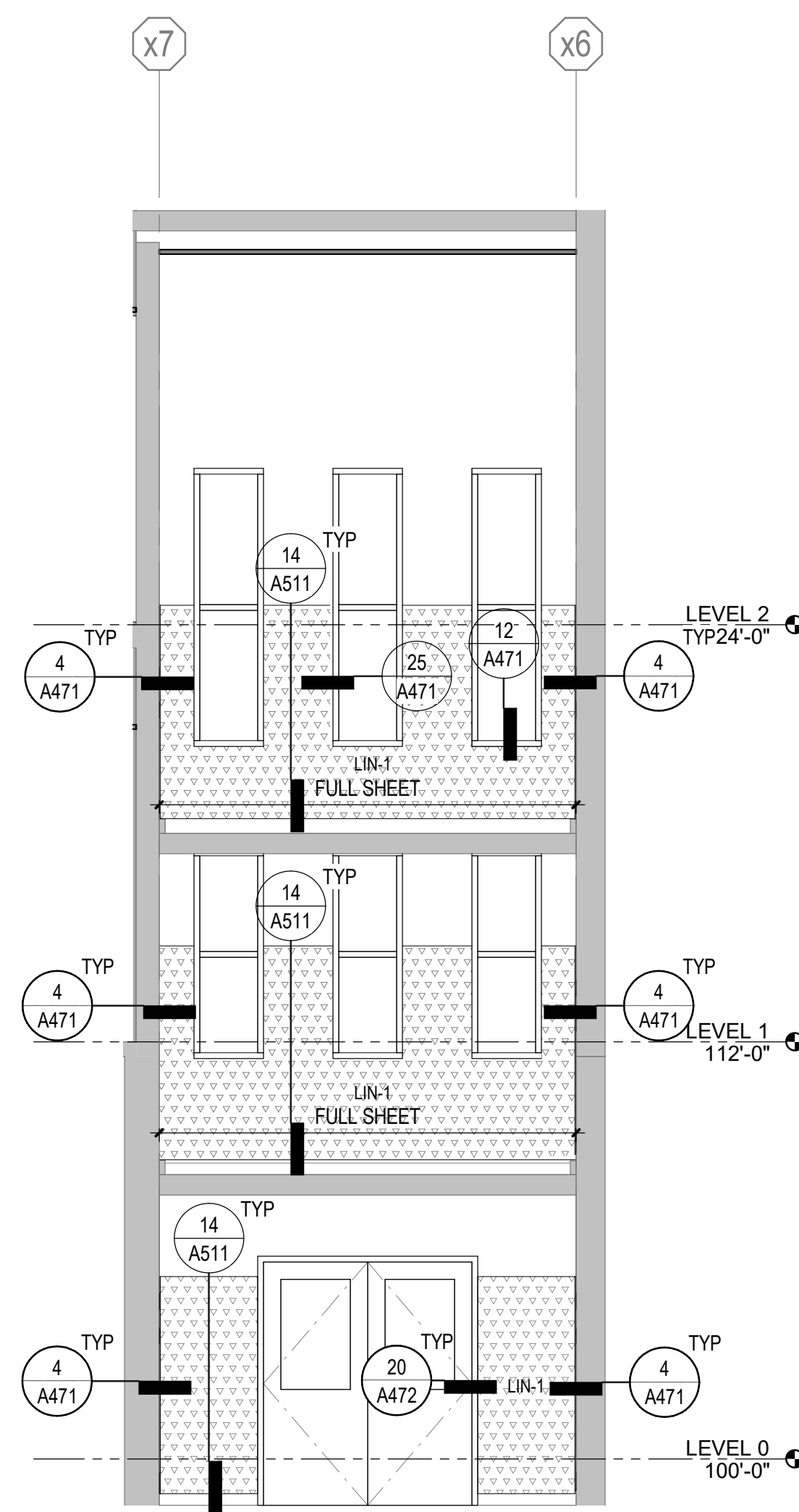
3 STAIR B 240B PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"



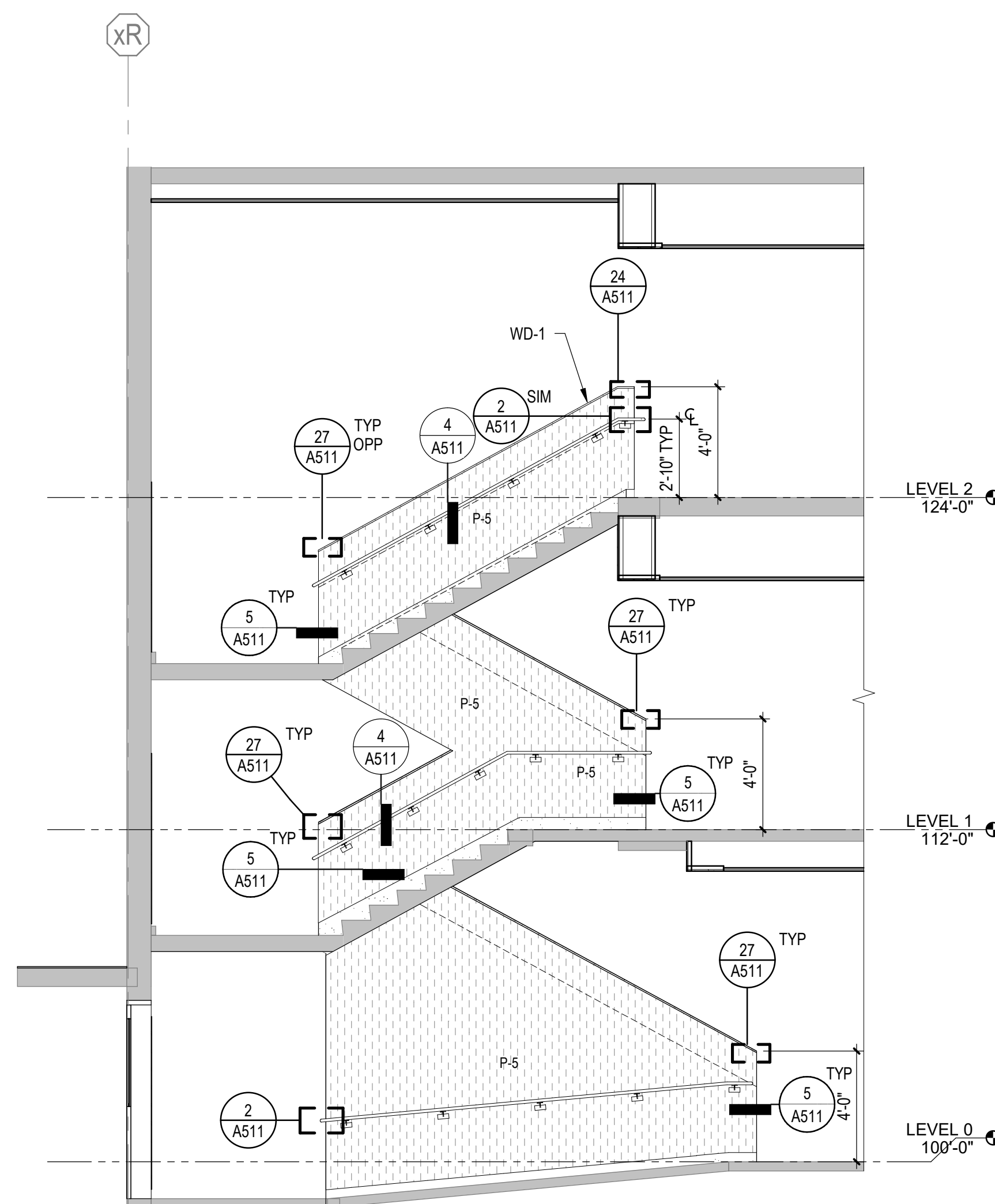
2 STAIR B 140B PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"



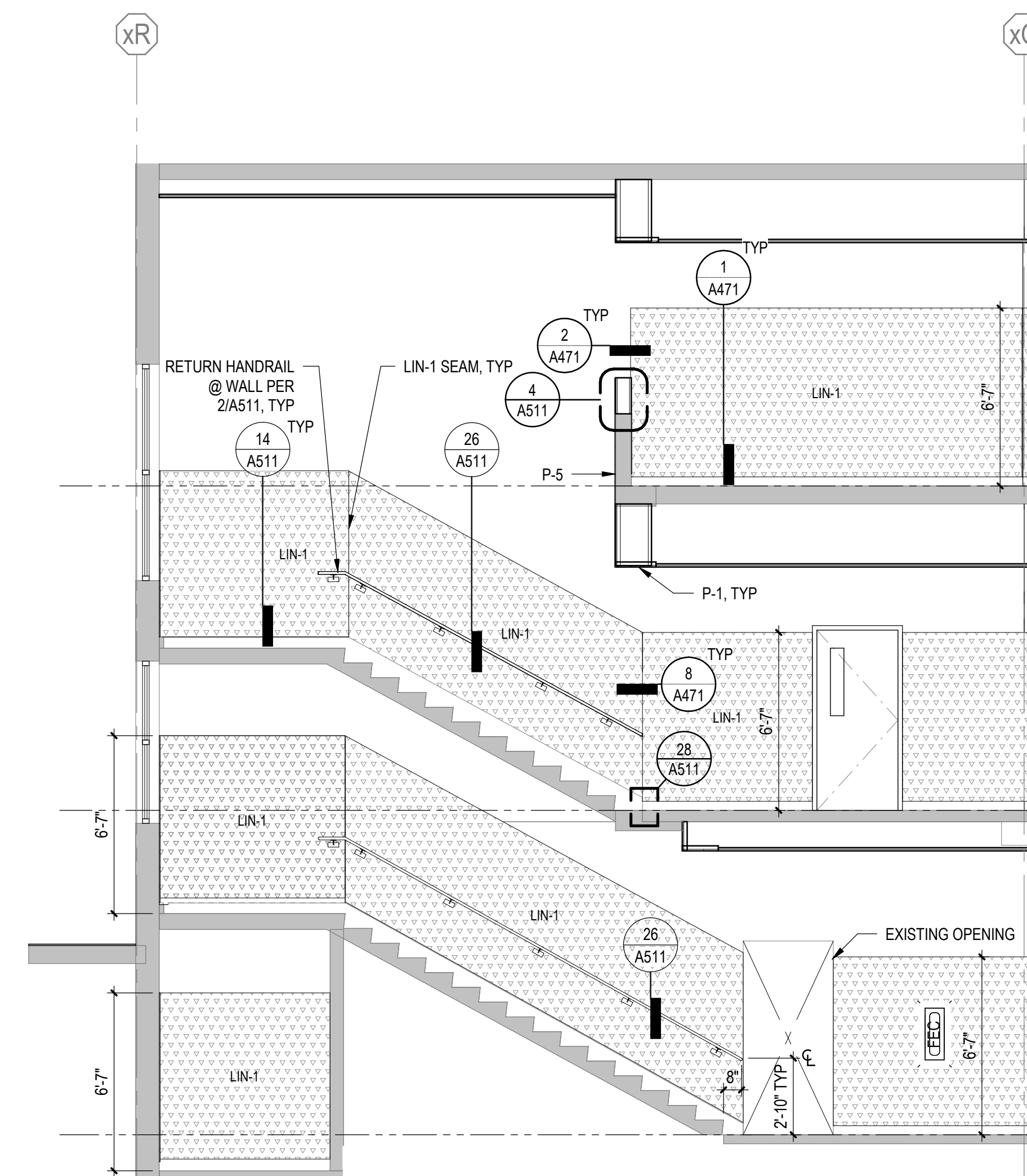
1 STAIR B 040B PLAN - LEVEL 0
SCALE: 1/4" = 1'-0"



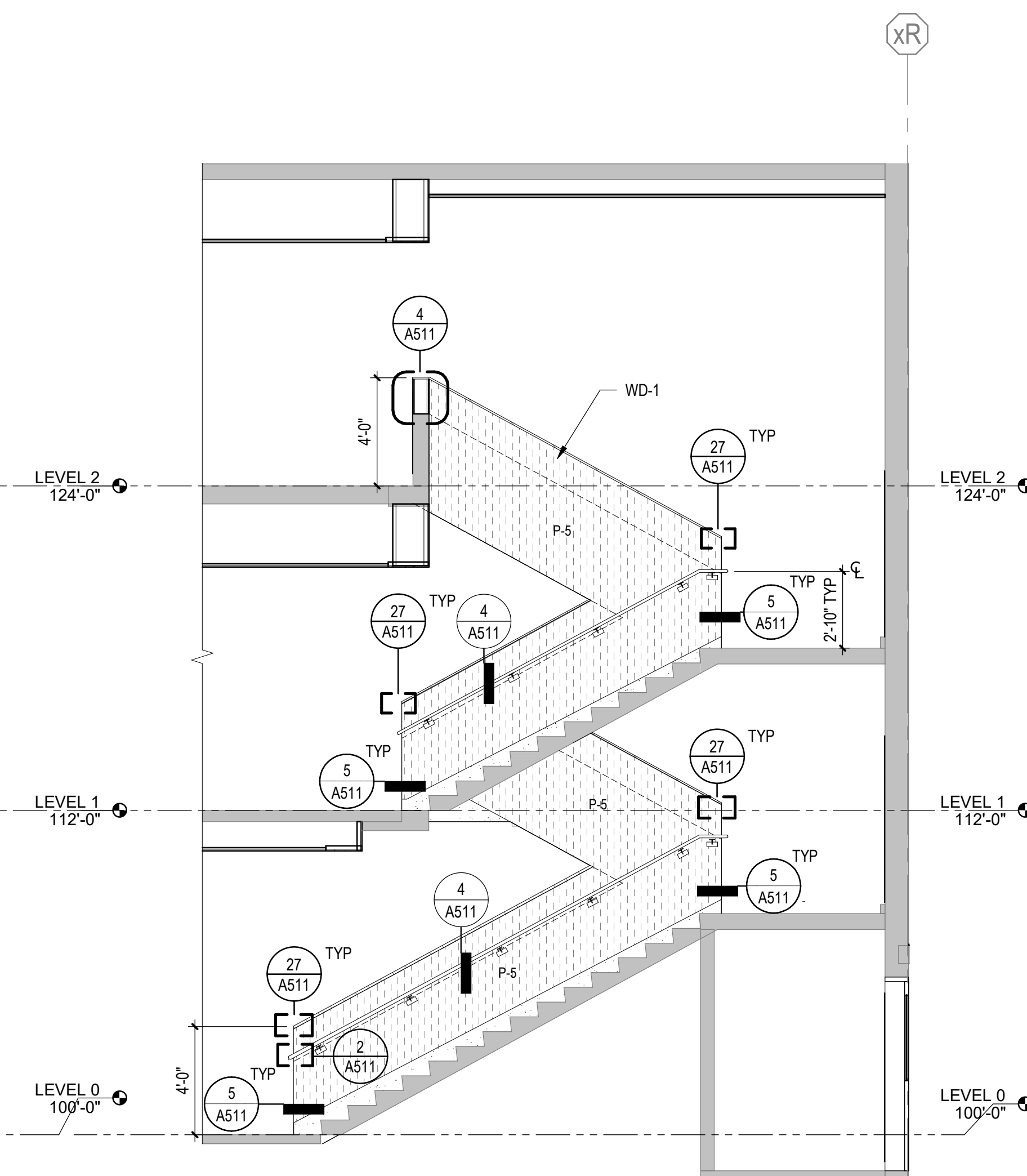
8 STAIR B SECTION - SOUTH
SCALE: 1/4" = 1'-0"



7 STAIR B SECTION WEST 2
SCALE: 1/4" = 1'-0"



6 STAIR B SECTION WEST 1
SCALE: 1/4" = 1'-0"



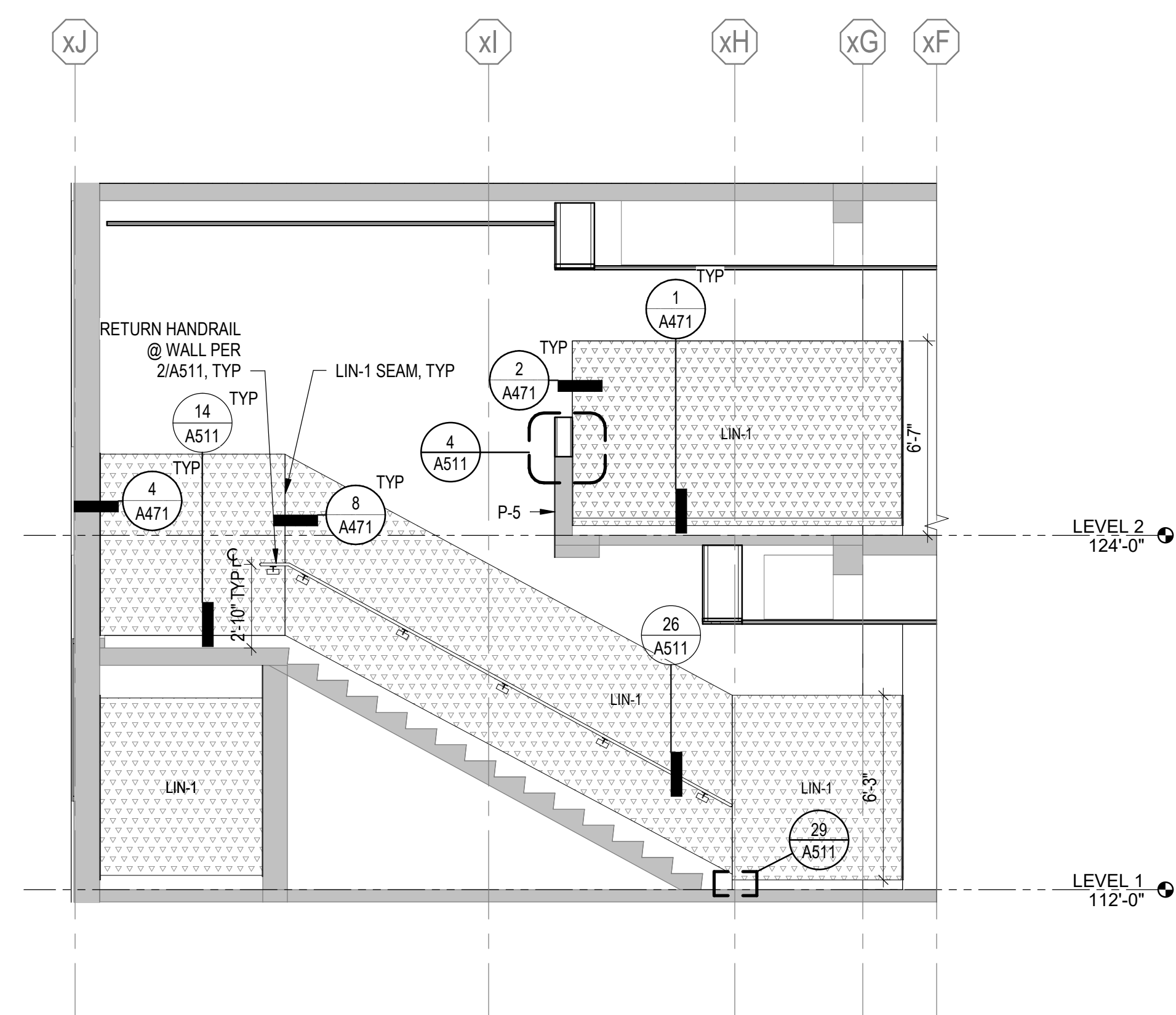
5 STAIR B SECTION EAST 2
SCALE: 1/4" = 1'-0"

**KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION**
500 REDPATH ST, KELSO, WA 98626

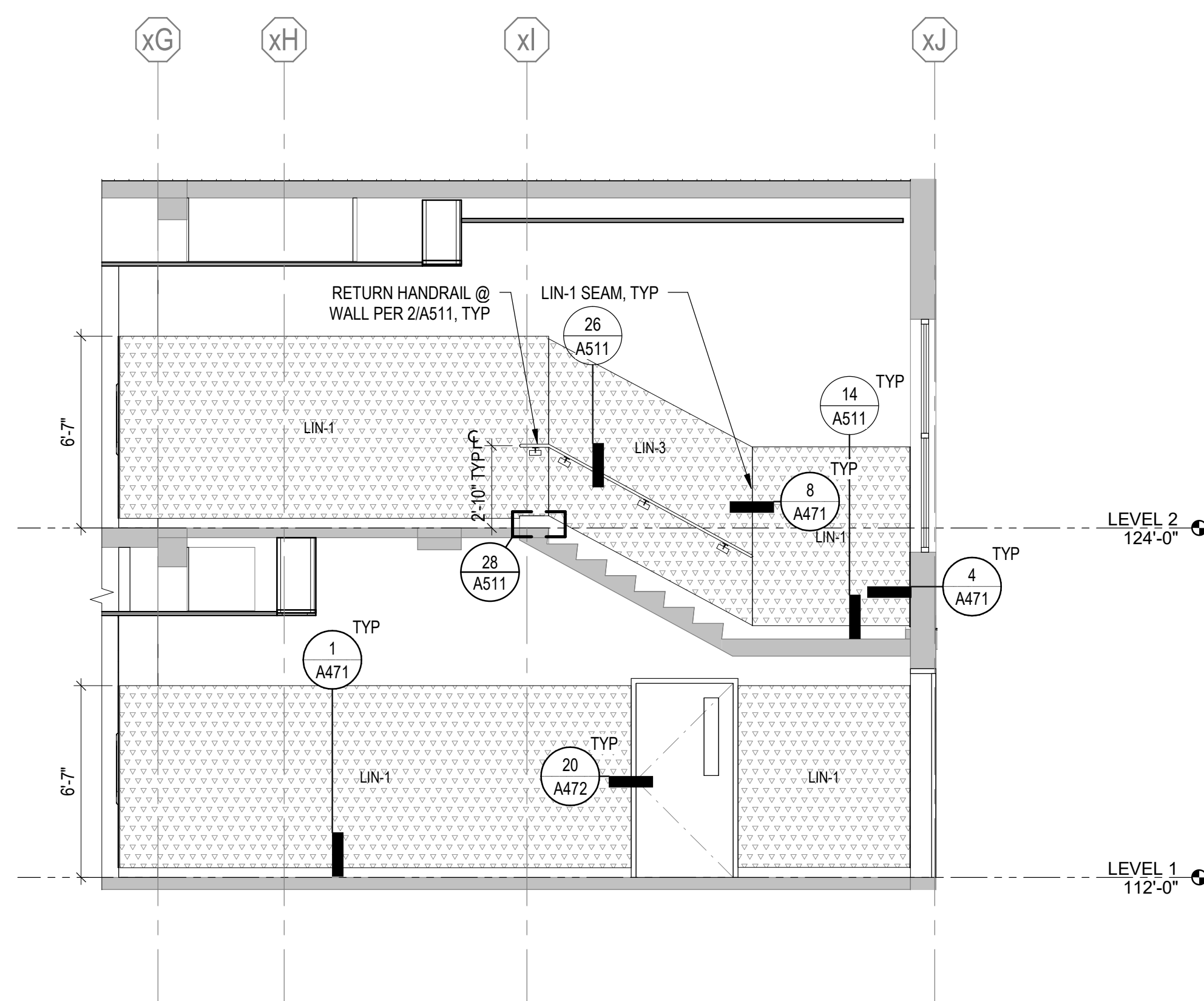
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	CF
Revisions	
#	Date Description

ENLARGED
STAIR PLANS
AND SECTIONS

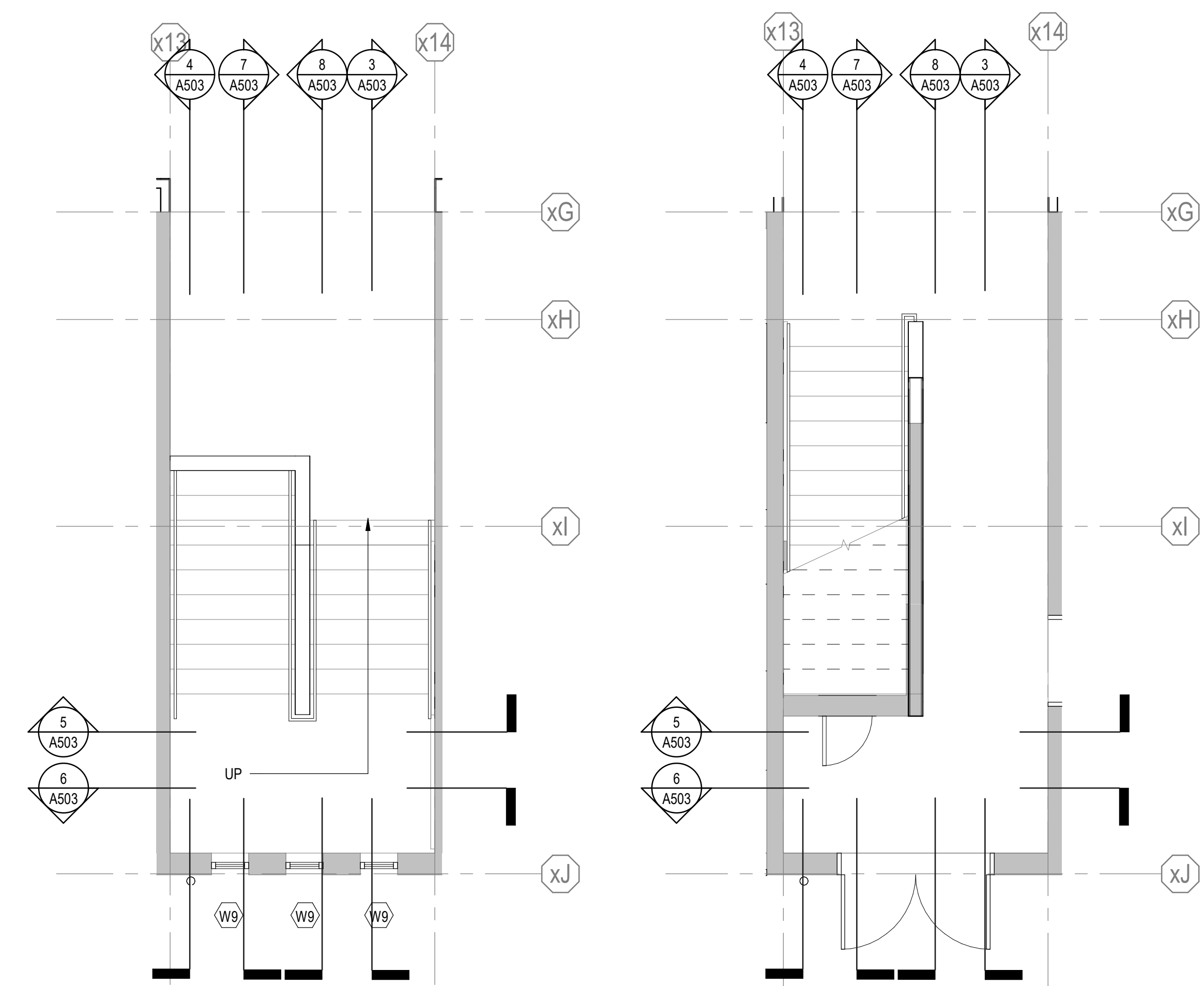
A502



4 STAIR C SECTION - WEST 1
SCALE: 1/4" = 1'-0"

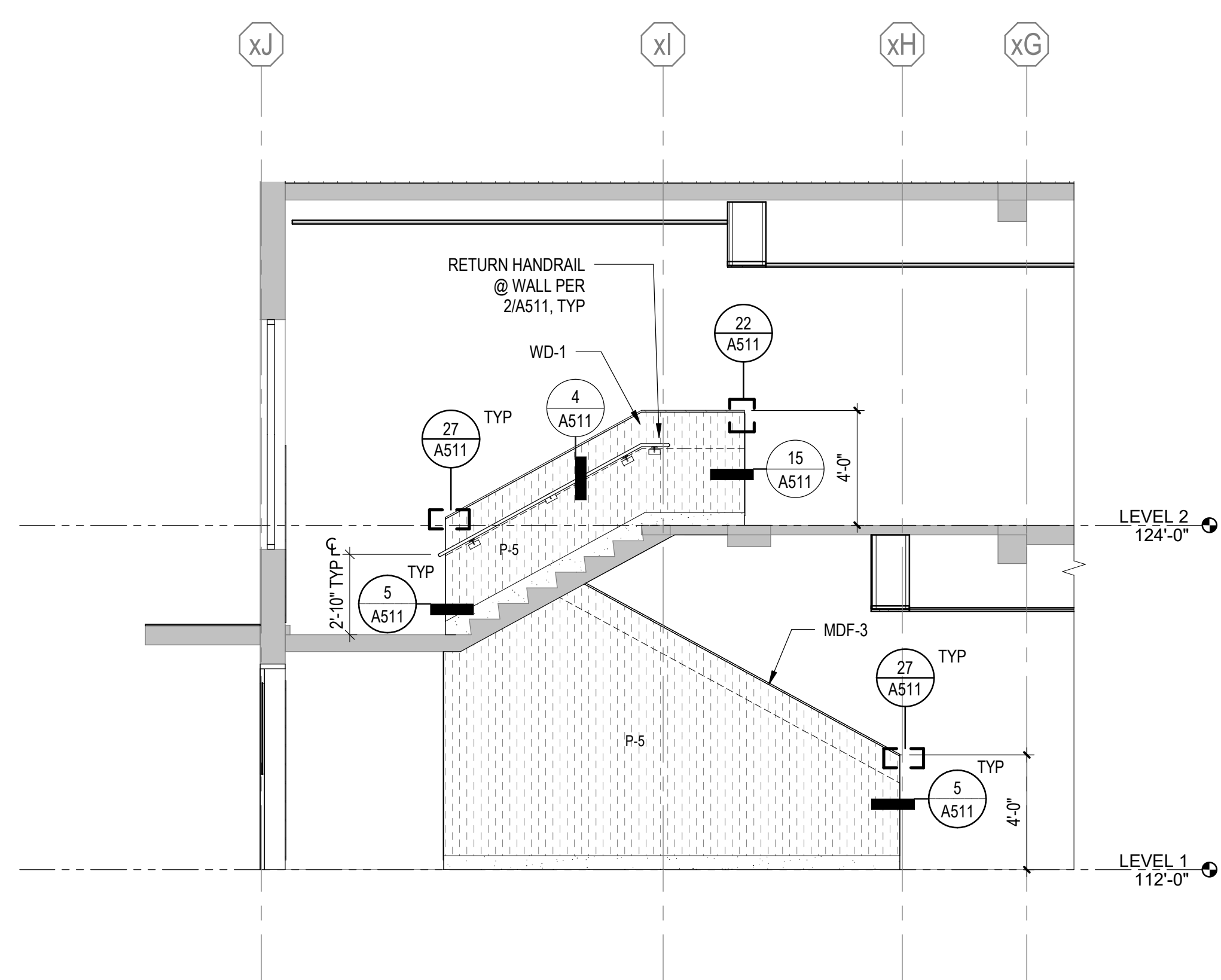


3 STAIR C SECTION - EAST 1



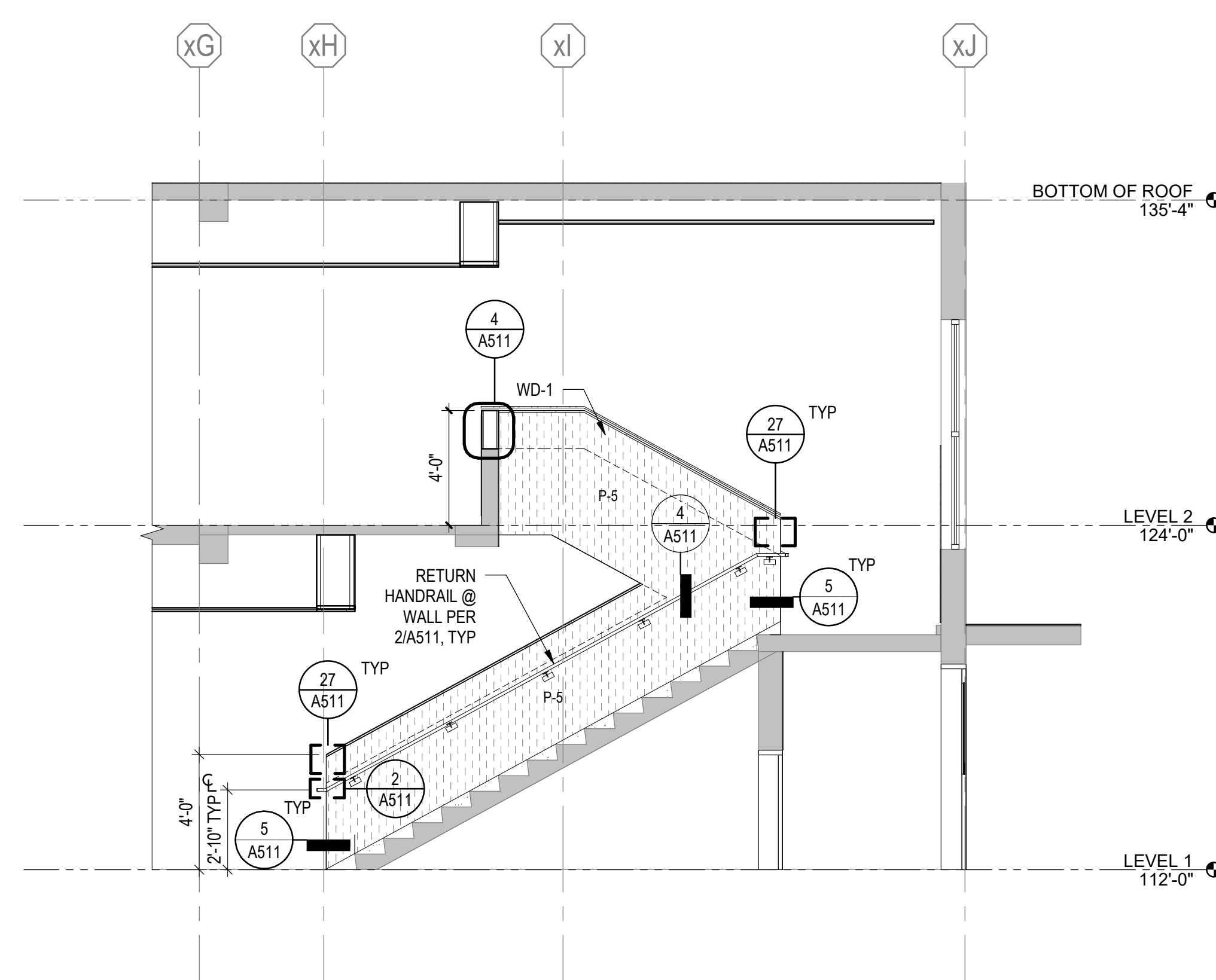
2 STAIR C 240C PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"

1 STAIR C 140C PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"

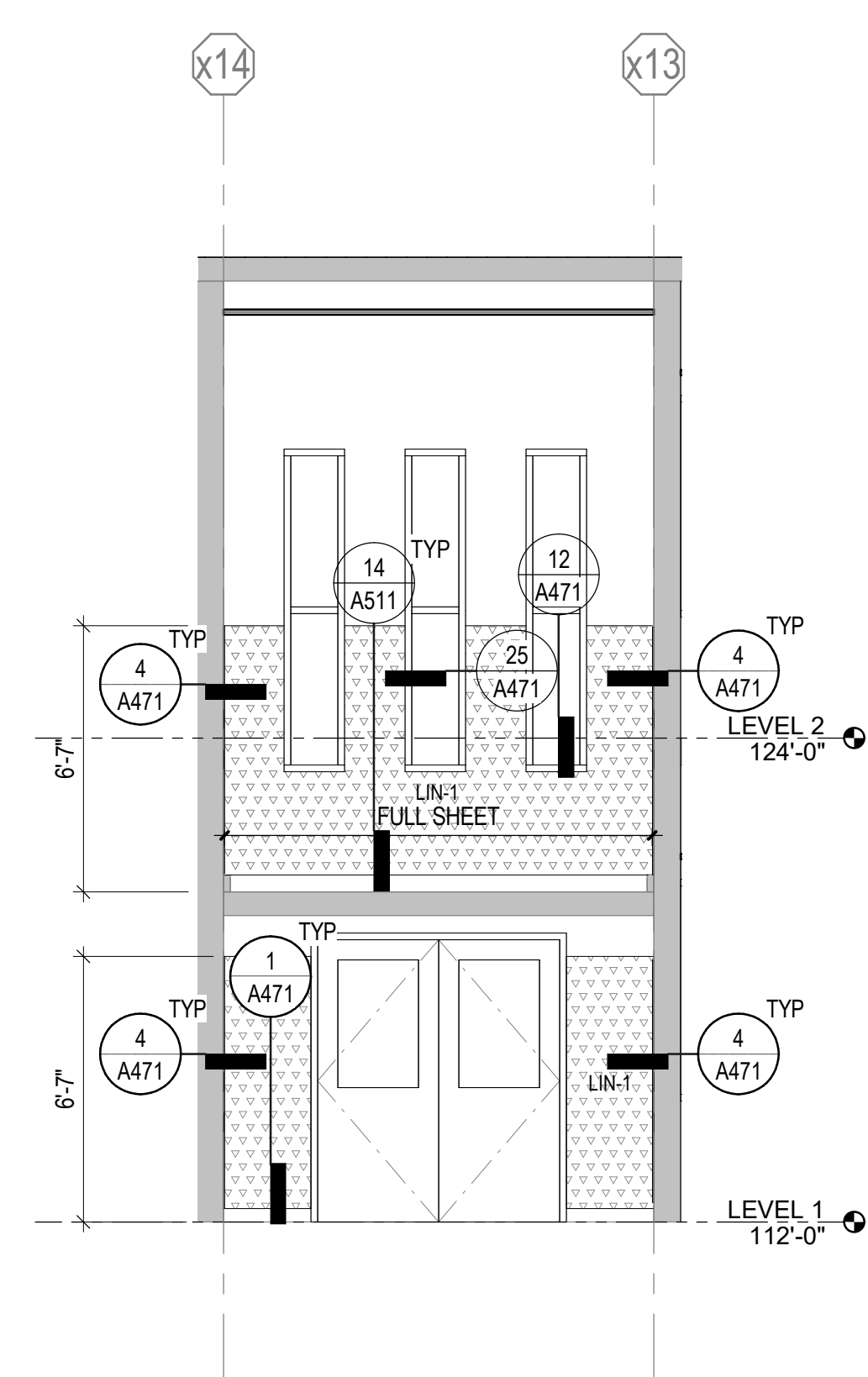


8 STAIR C SECTION - WEST 2

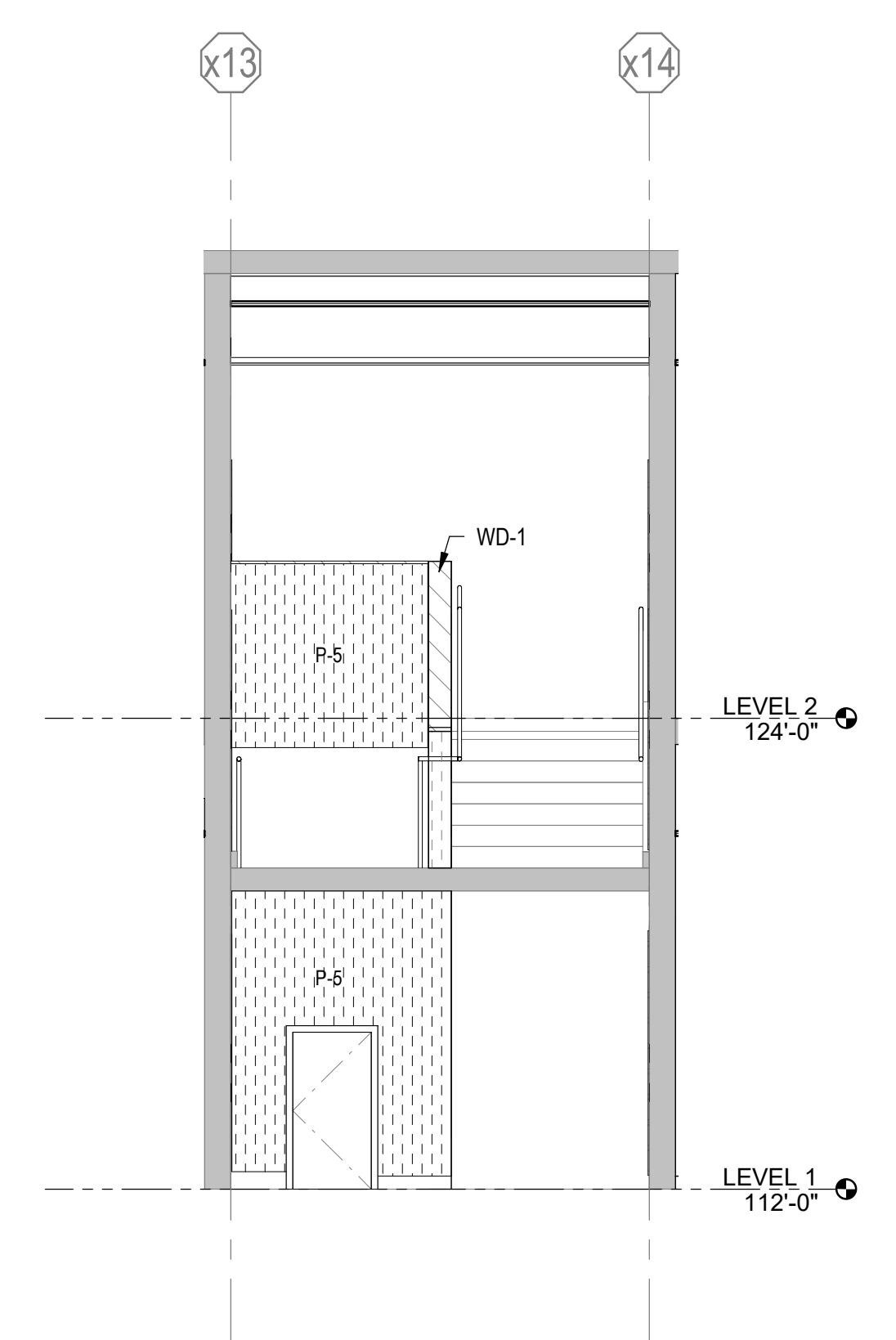
SCALE: 1/4" = 1'-0"



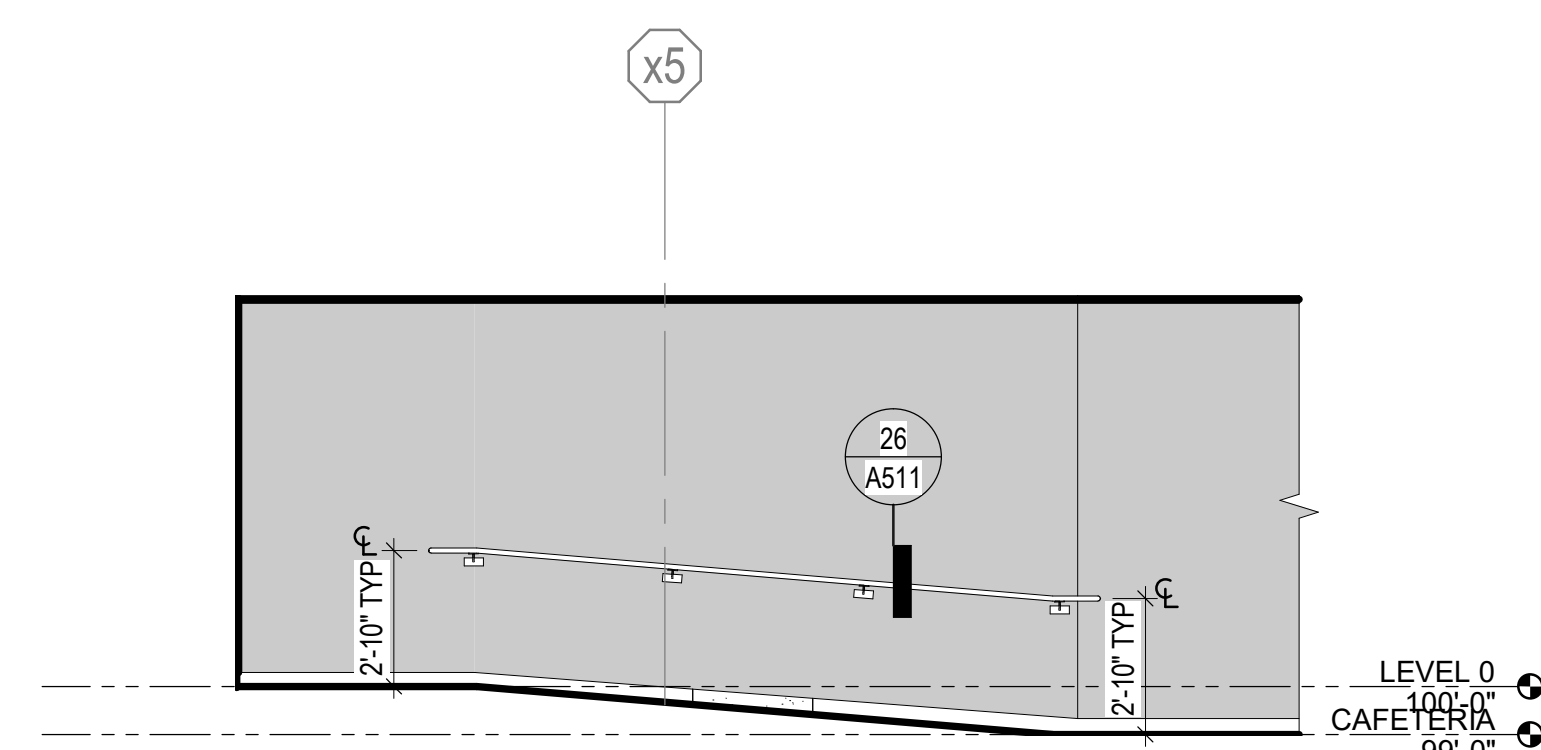
7 STAIR C SECTION - EAST 2
SCALE: 1/4" = 1'-0"



6 STAIR C SECTION - SOUTH 1
SCALE: 1/4" = 1'-0"

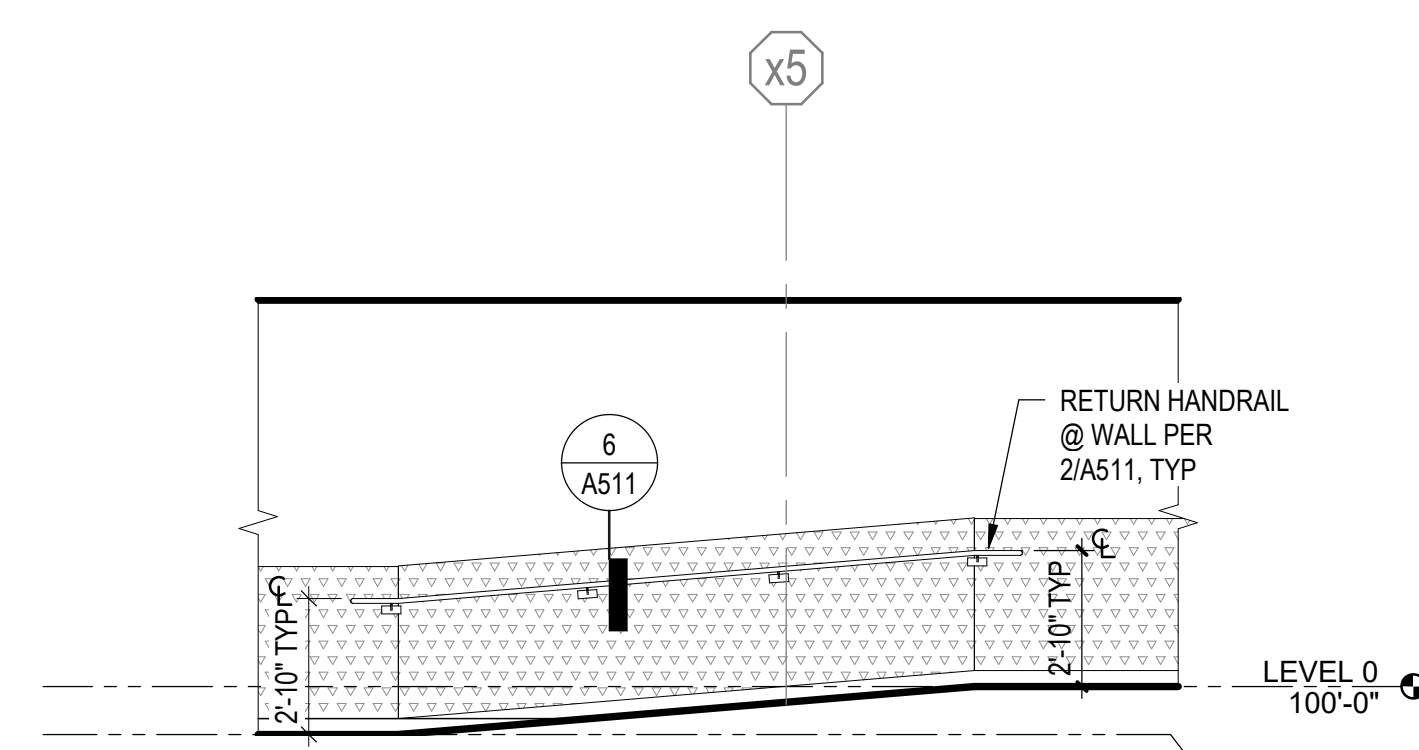


5 STAIR C SECTION - NORTH 1
SCALE: 1/4" = 1'-0"



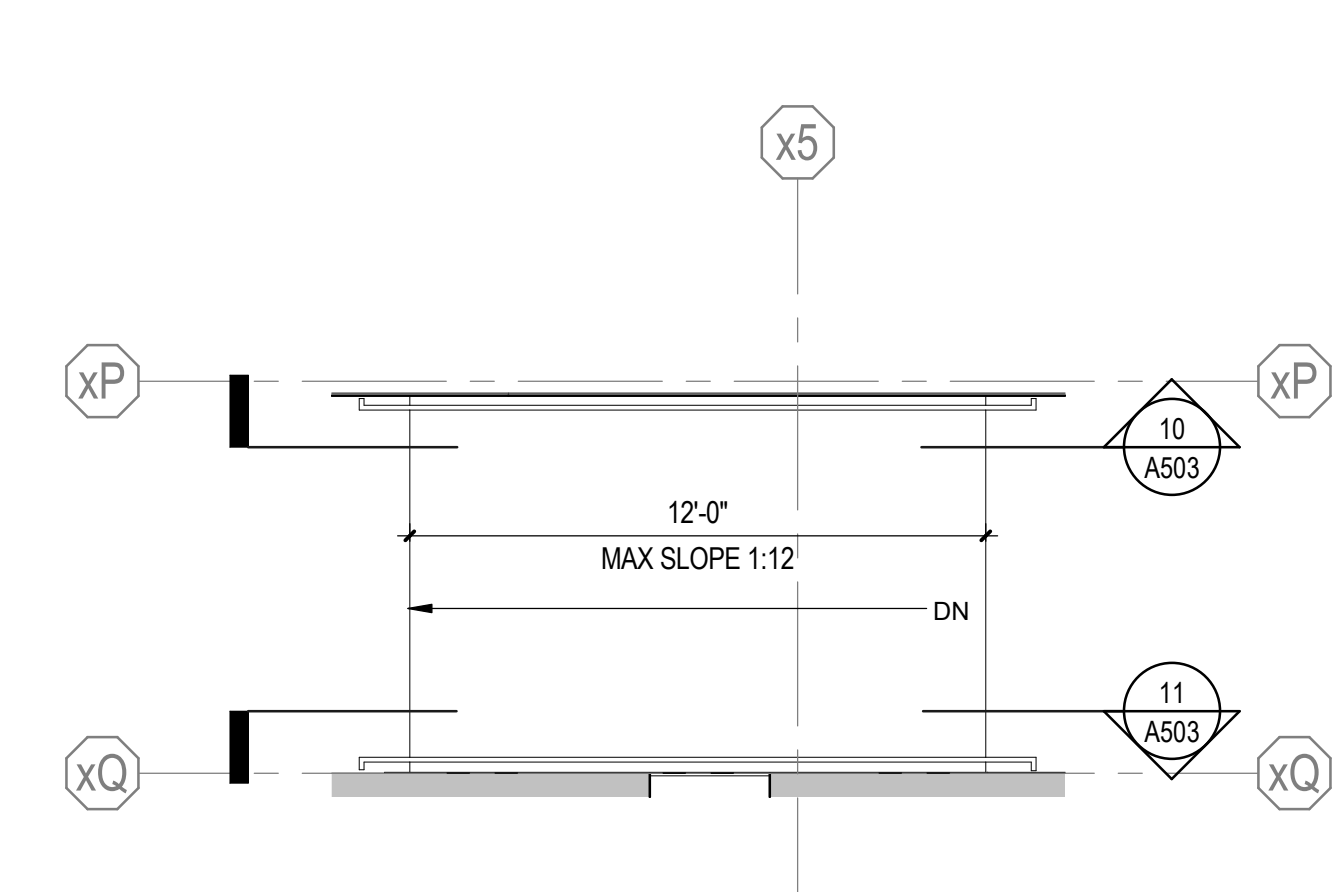
11 RAMP SECTION 2

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

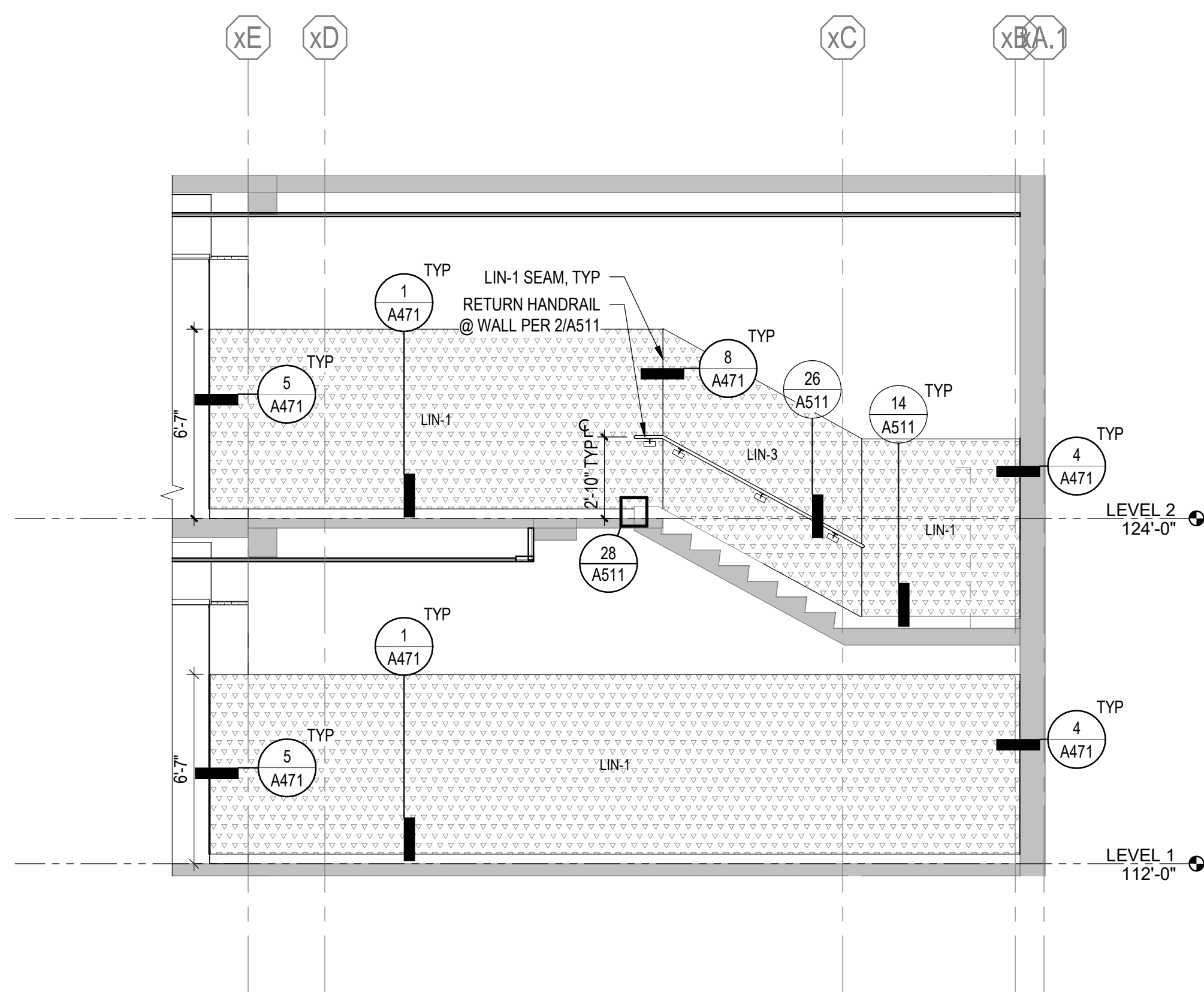


10 RAMP SECTION

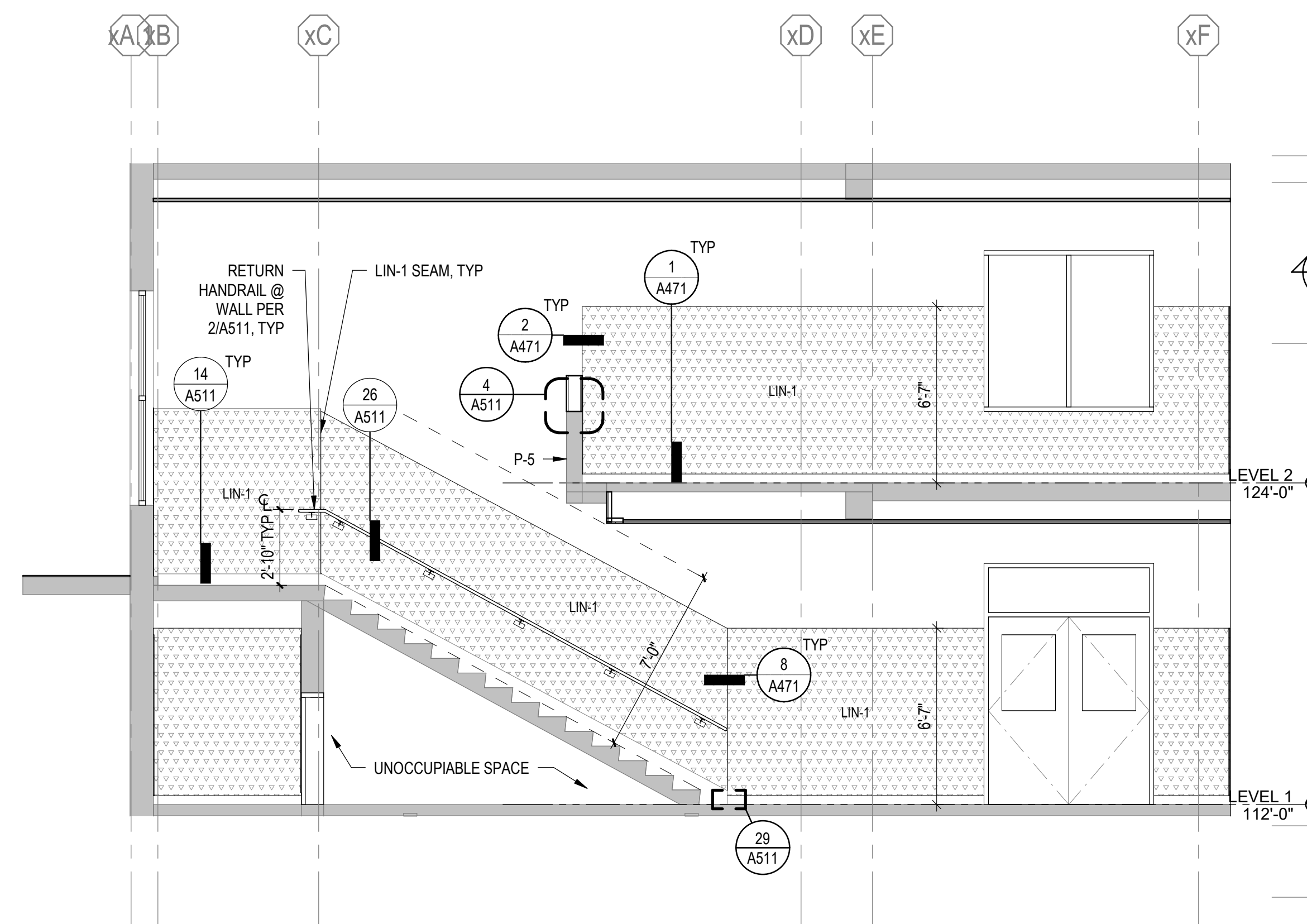
SCALE: 1/4" = 1'-0"



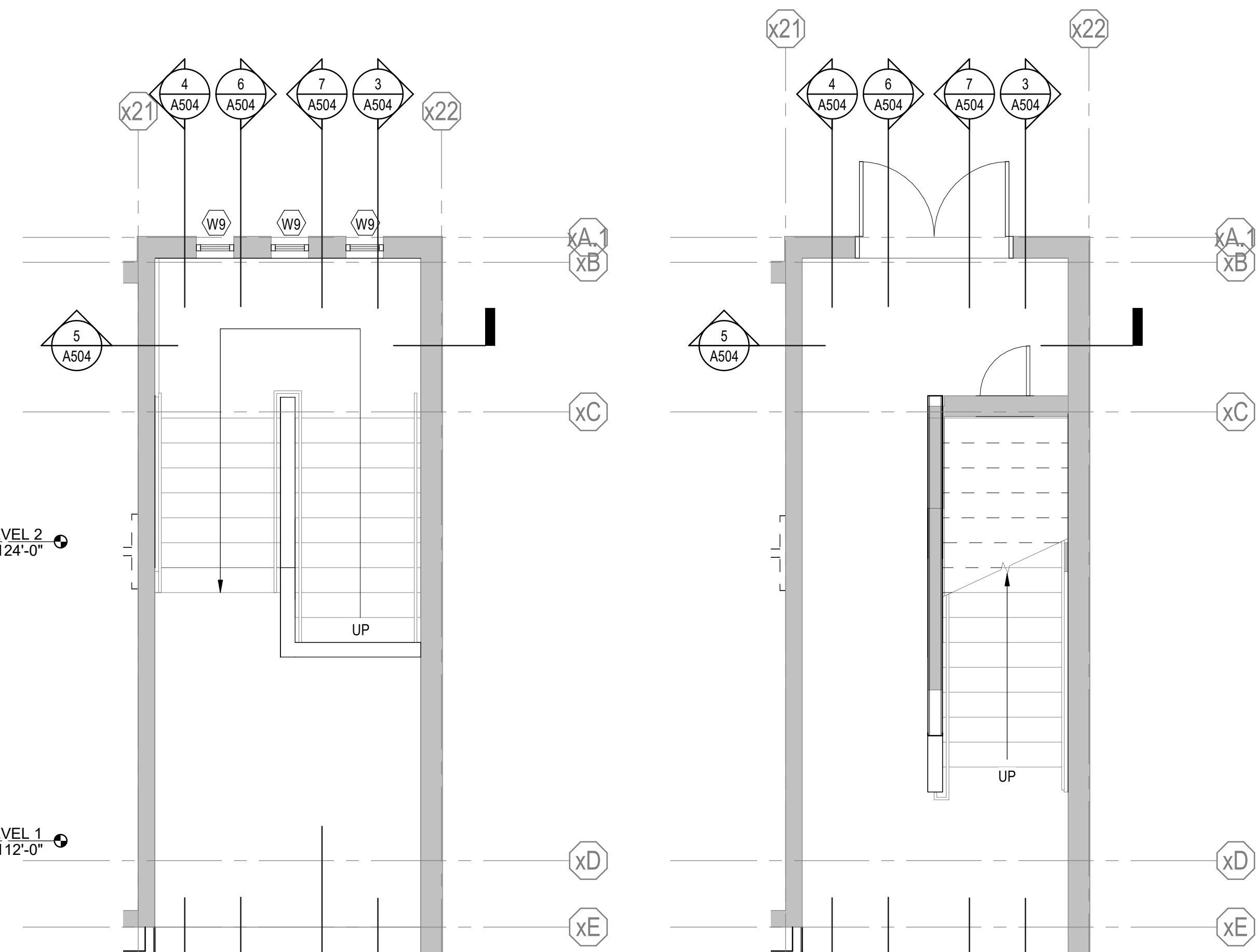
9 CAFETERIA RAMP - FLOOR PLAN
SCALE: 1/4" = 1'-0"



4 STAIR D SECTION - WEST 1
SCALE: 1/4" = 1'-0"

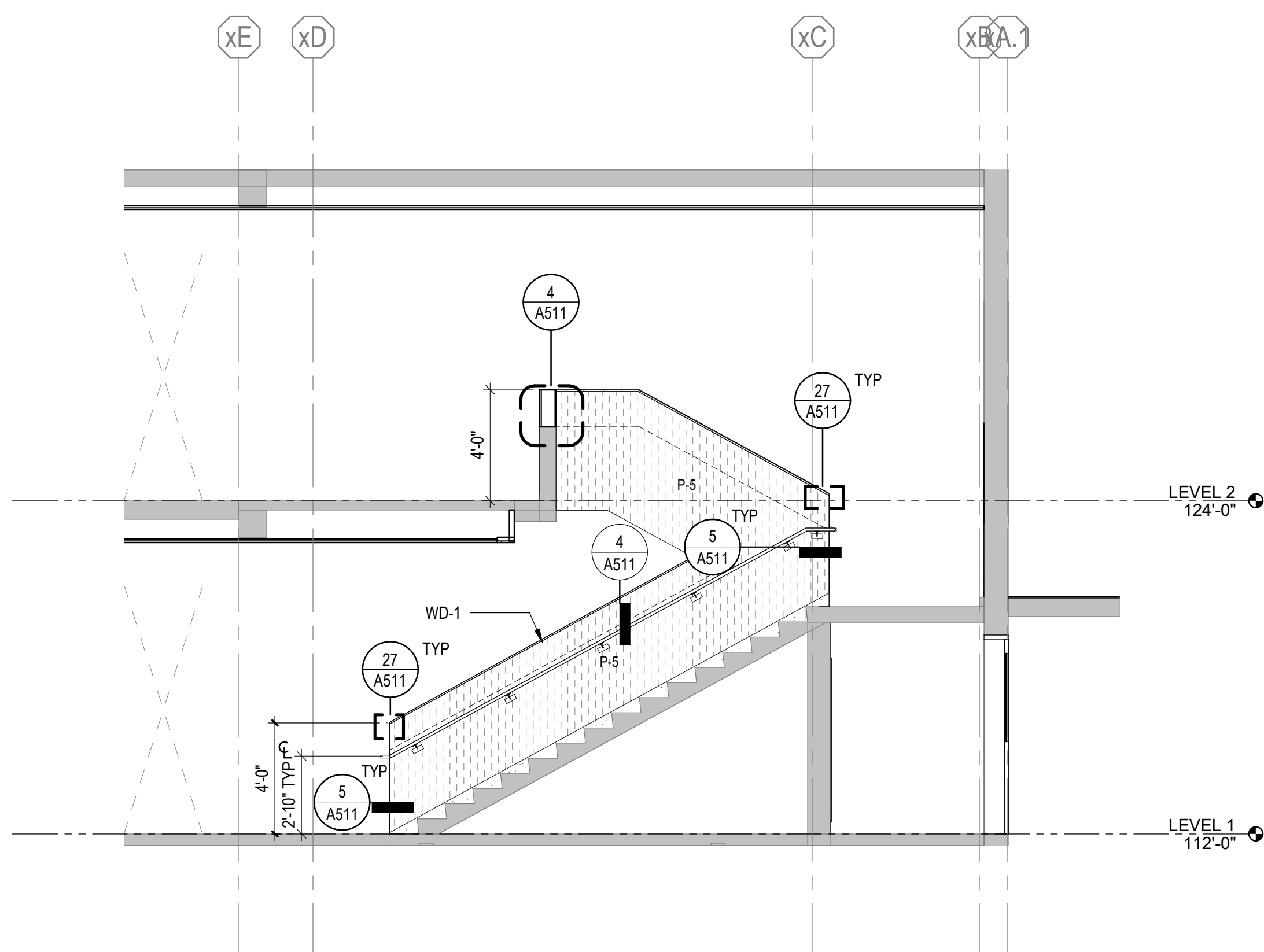


3 STAIR TOP OF GUARD
SCALE: 1/4" = 1'-0"

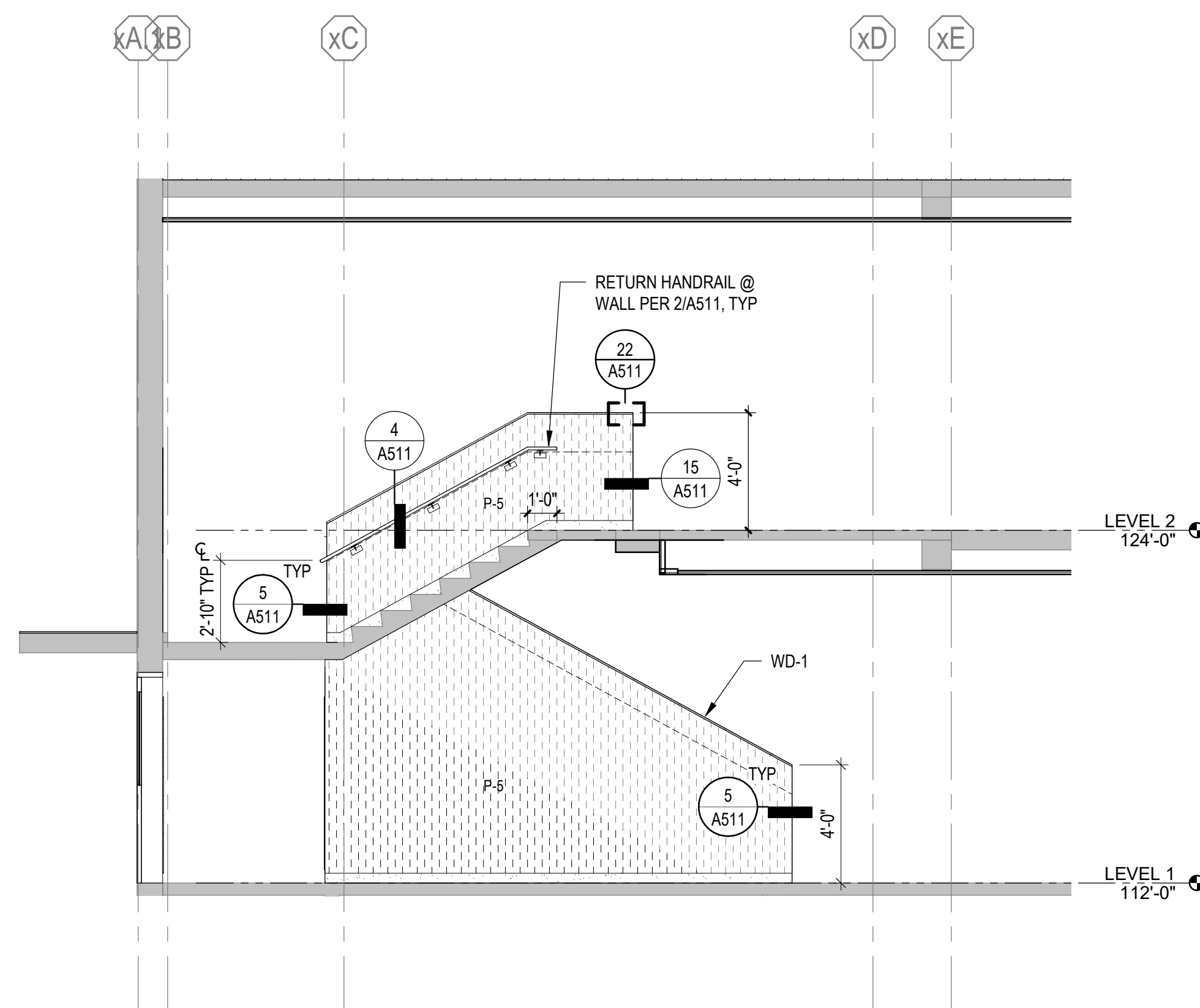


2 STAIR D 240D PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"

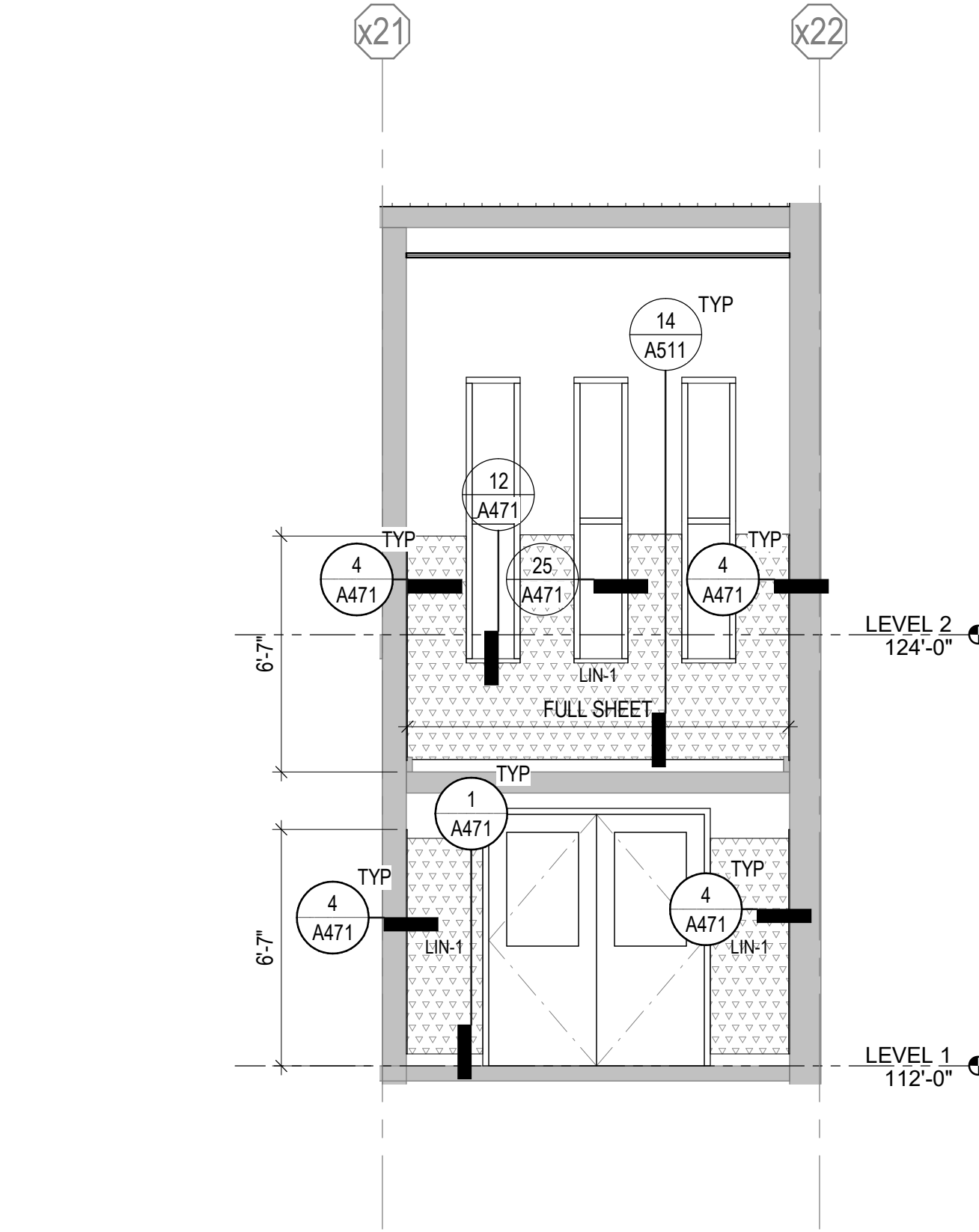
1 STAIR D 140D PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"



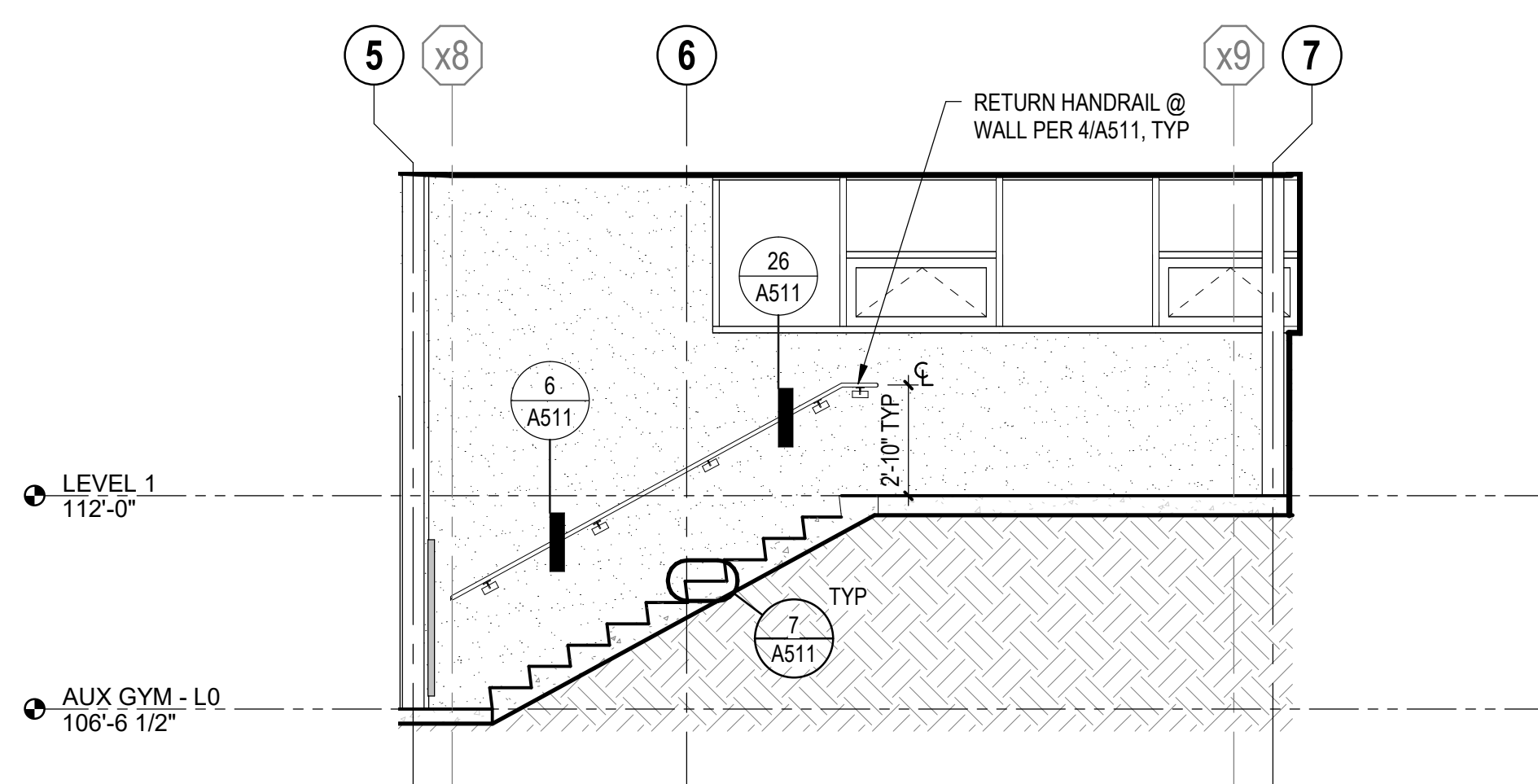
7 STAIR 4 SECTION - WEST 2
SCALE: 1/4" = 1'-0"



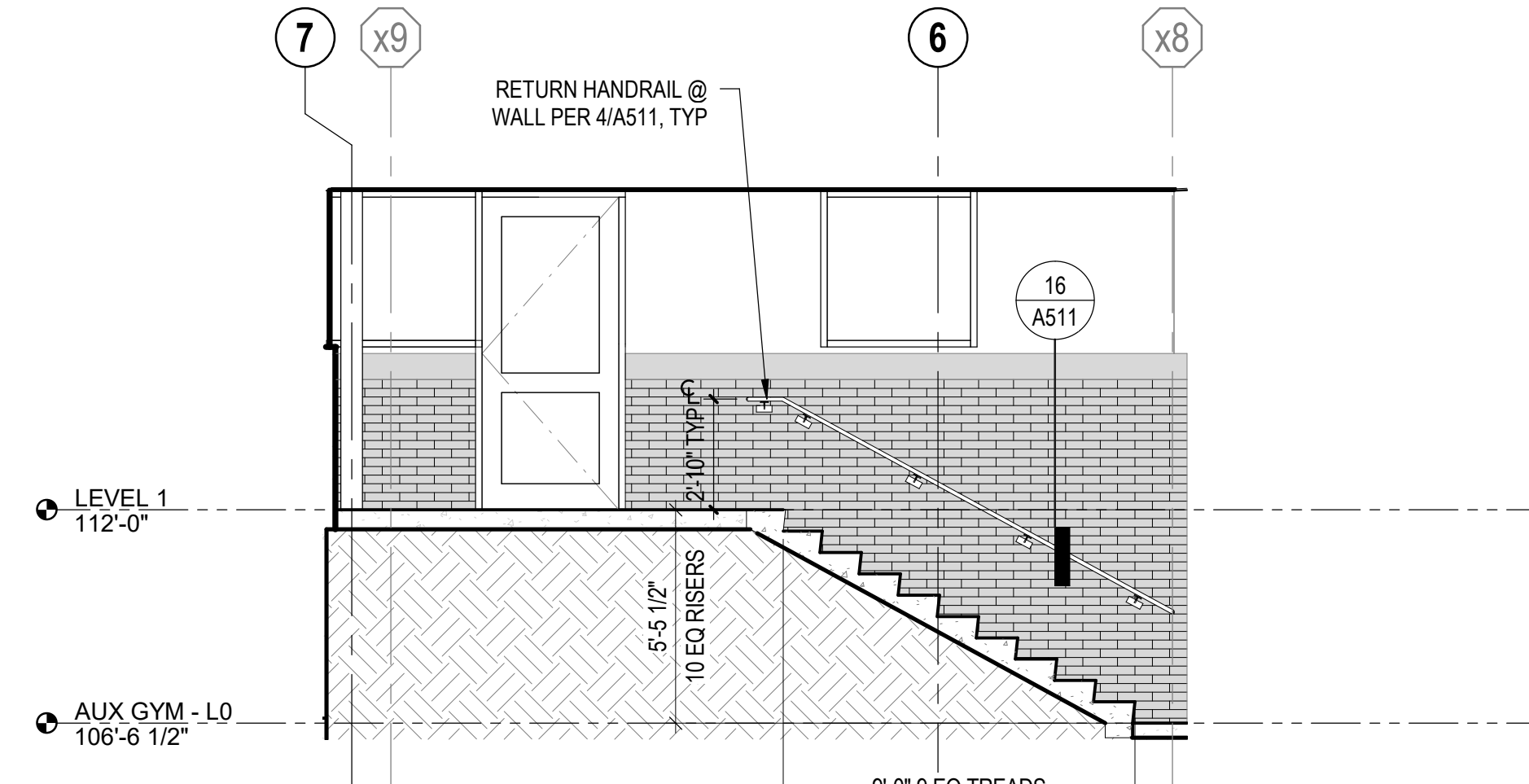
6 STAIR 4 SECTION - EAST 2
SCALE: 1/4" = 1'-0"



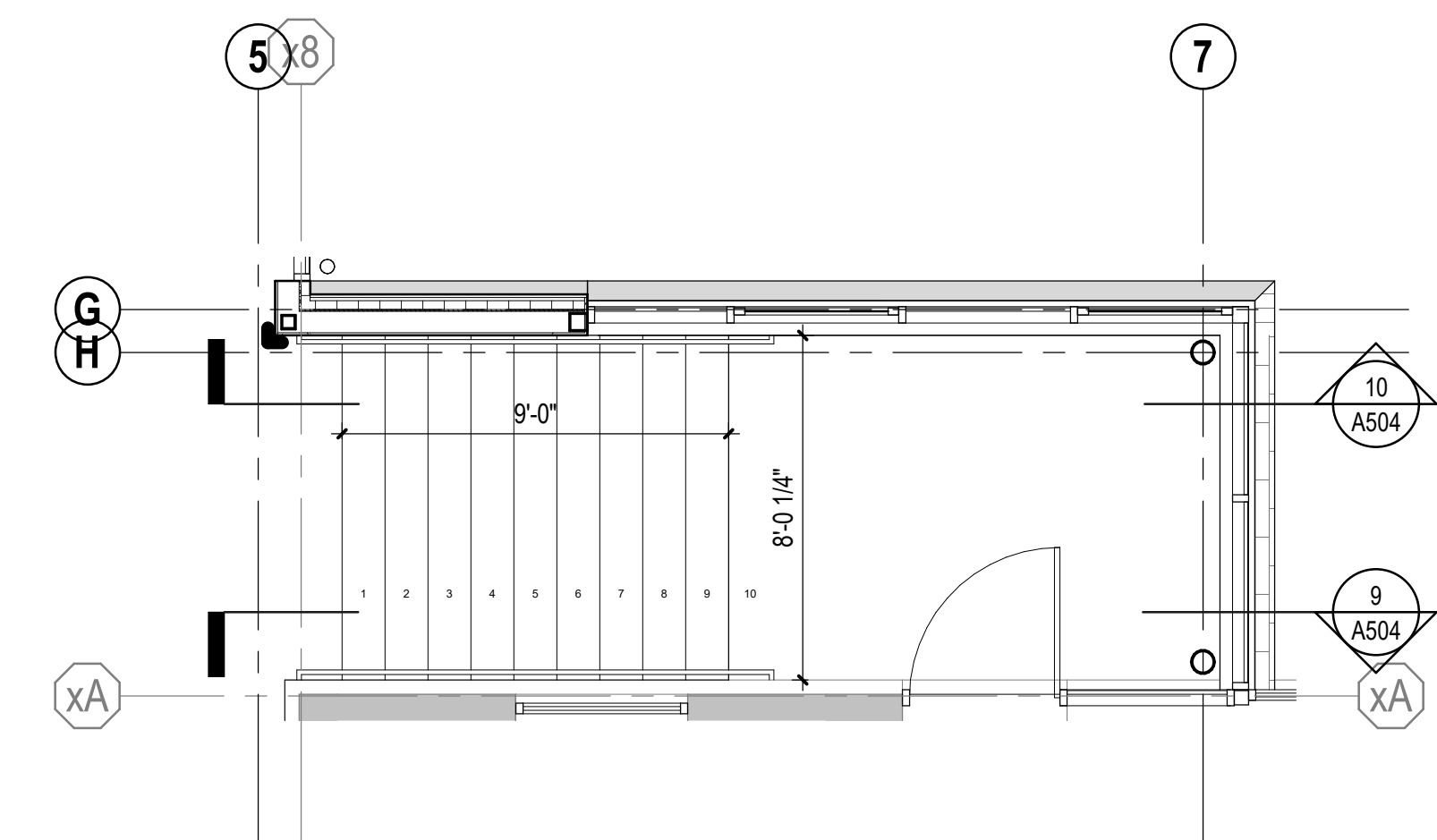
5 STAIR 4 SECTION - NORTH
SCALE: 1/4" = 1'-0"



10 VESTIBULE STAIR NORTH
SCALE: 1/4" = 1'-0"



9 VESTIBULE SECTION SOUTH
SCALE: 1/4" = 1'-0"



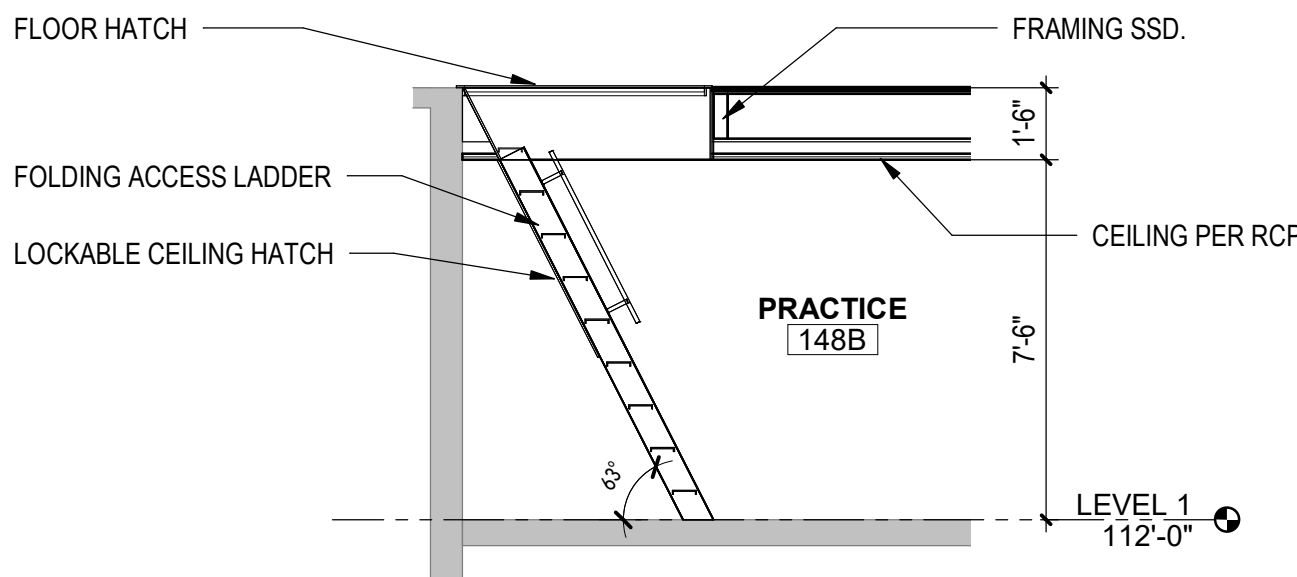
8 LEVEL 0 VESTIBULE STAIR
SCALE: 1/4" = 1'-0"

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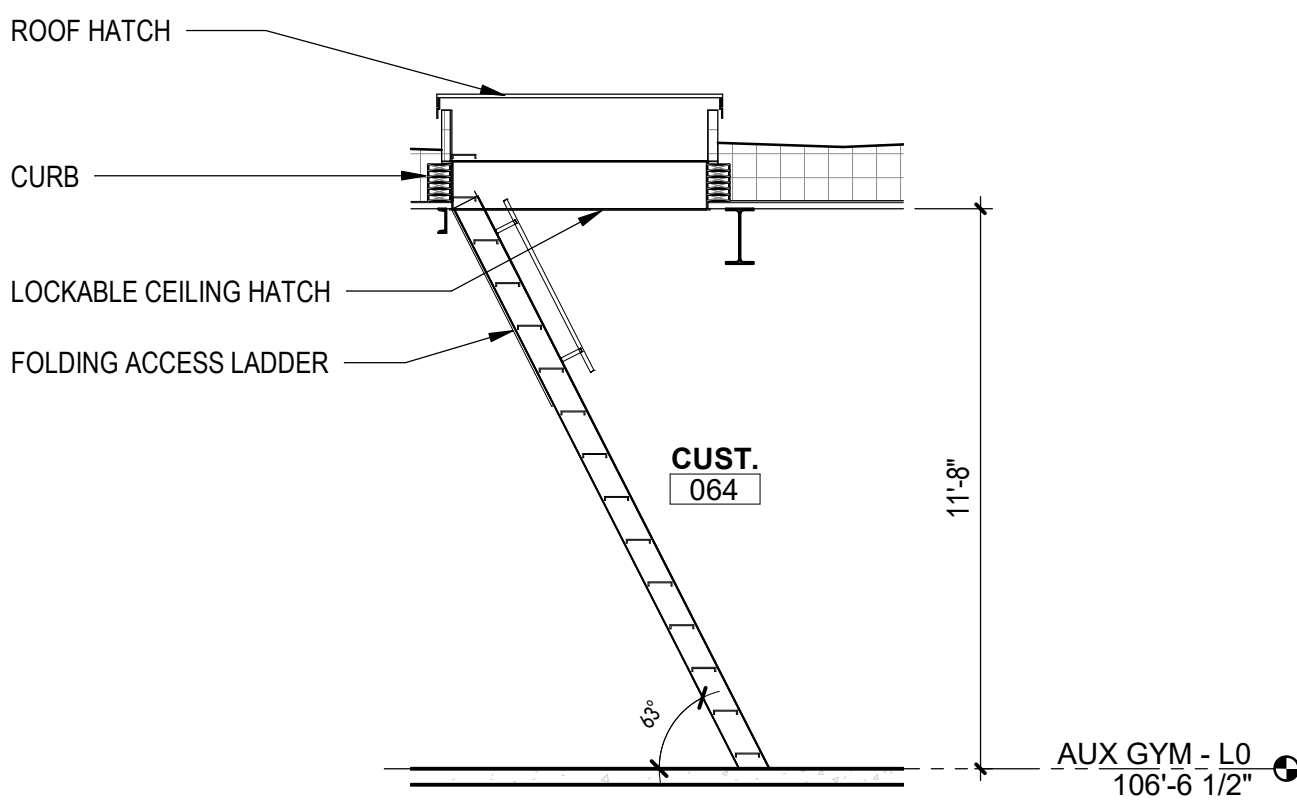
Date:	05/28/2021
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Checked by:	CF
Revisions	
#	Date
	Description

ENLARGED
STAIR PLANS
AND SECTIONS

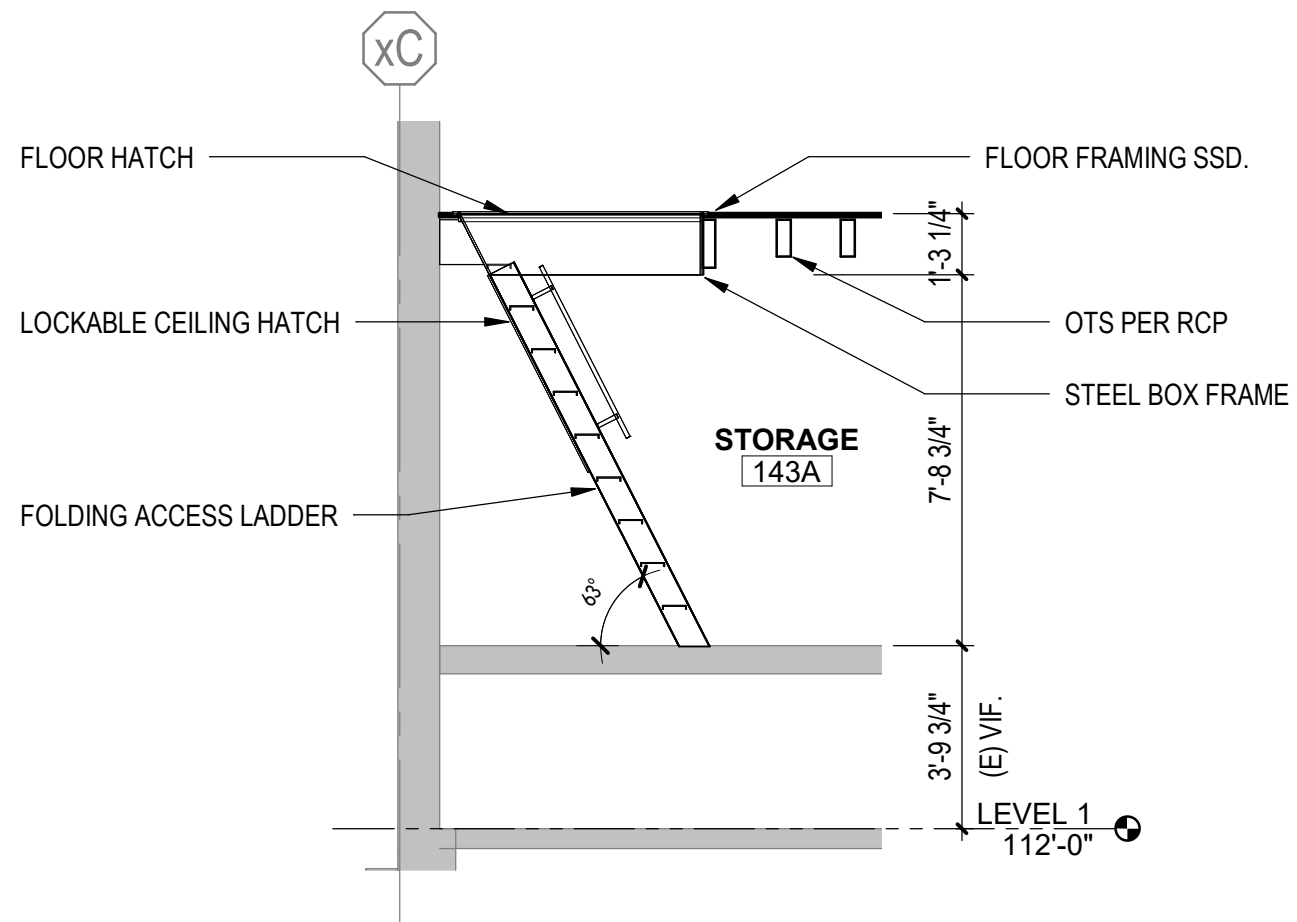
A504



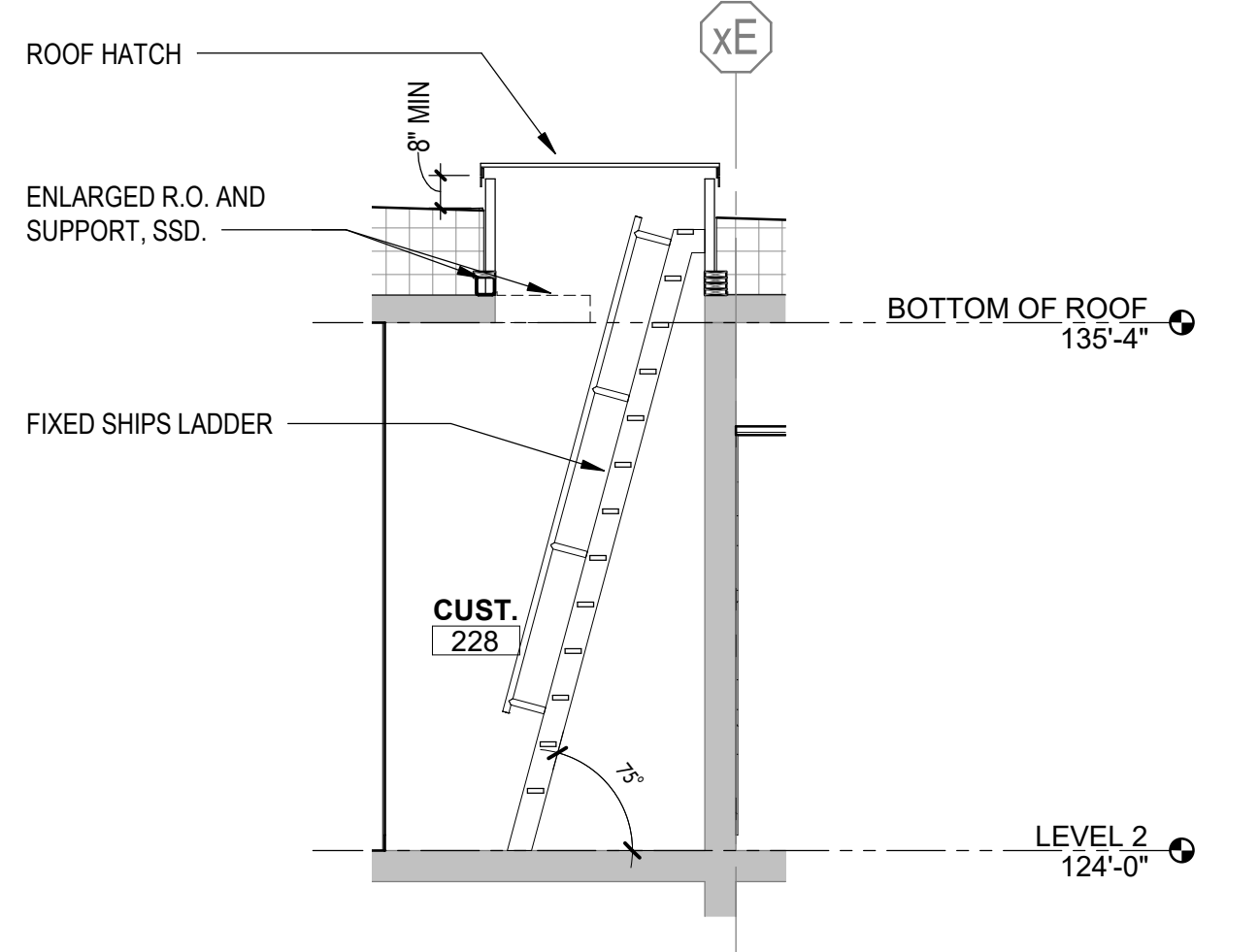
1 SECTION - MUSIC ROOM ACCESS LADDER
SCALE: 1/4" = 1'-0"



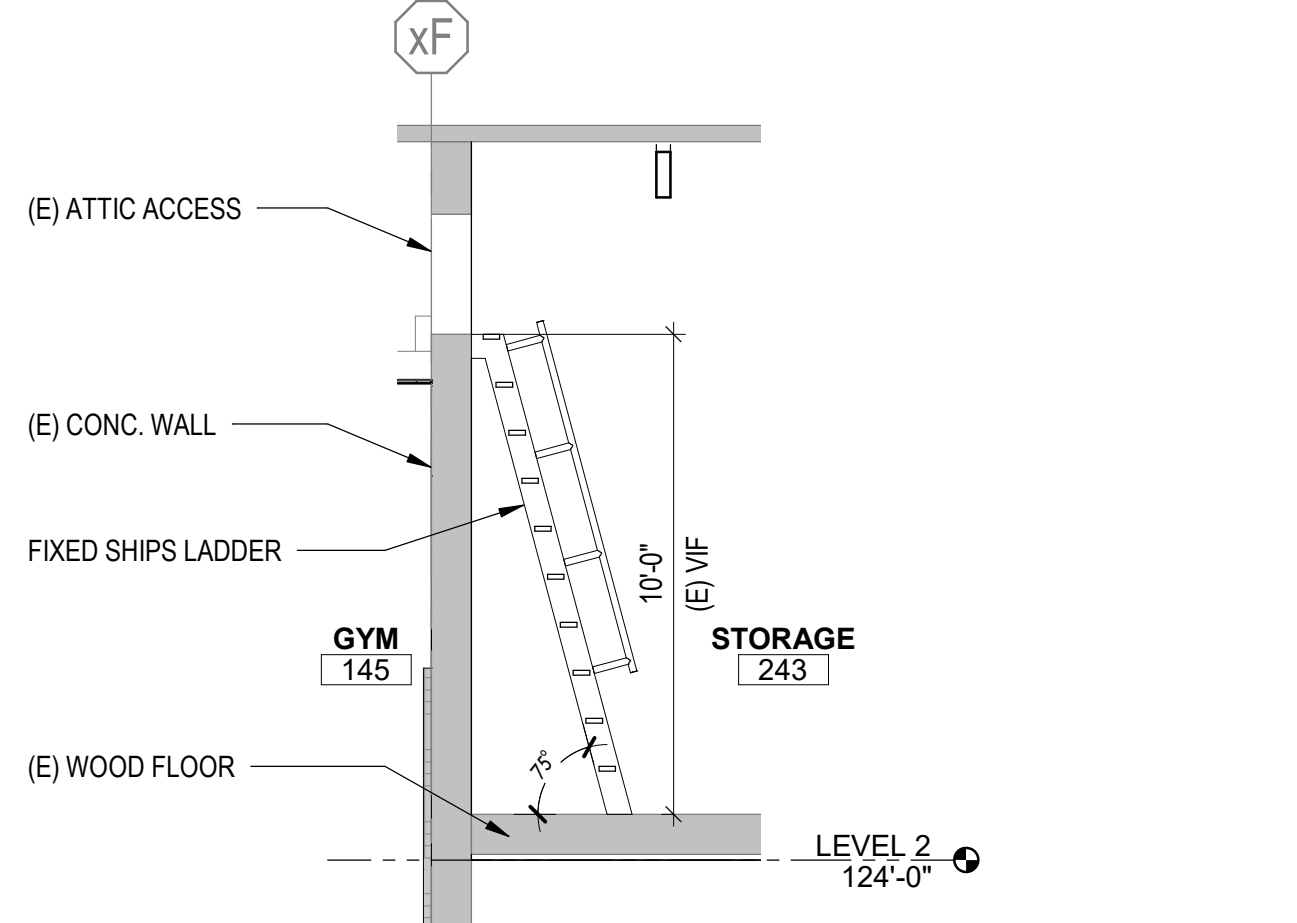
2 SECTION - AUX GYM ROOF LADDER
SCALE: 1/4" = 1'-0"



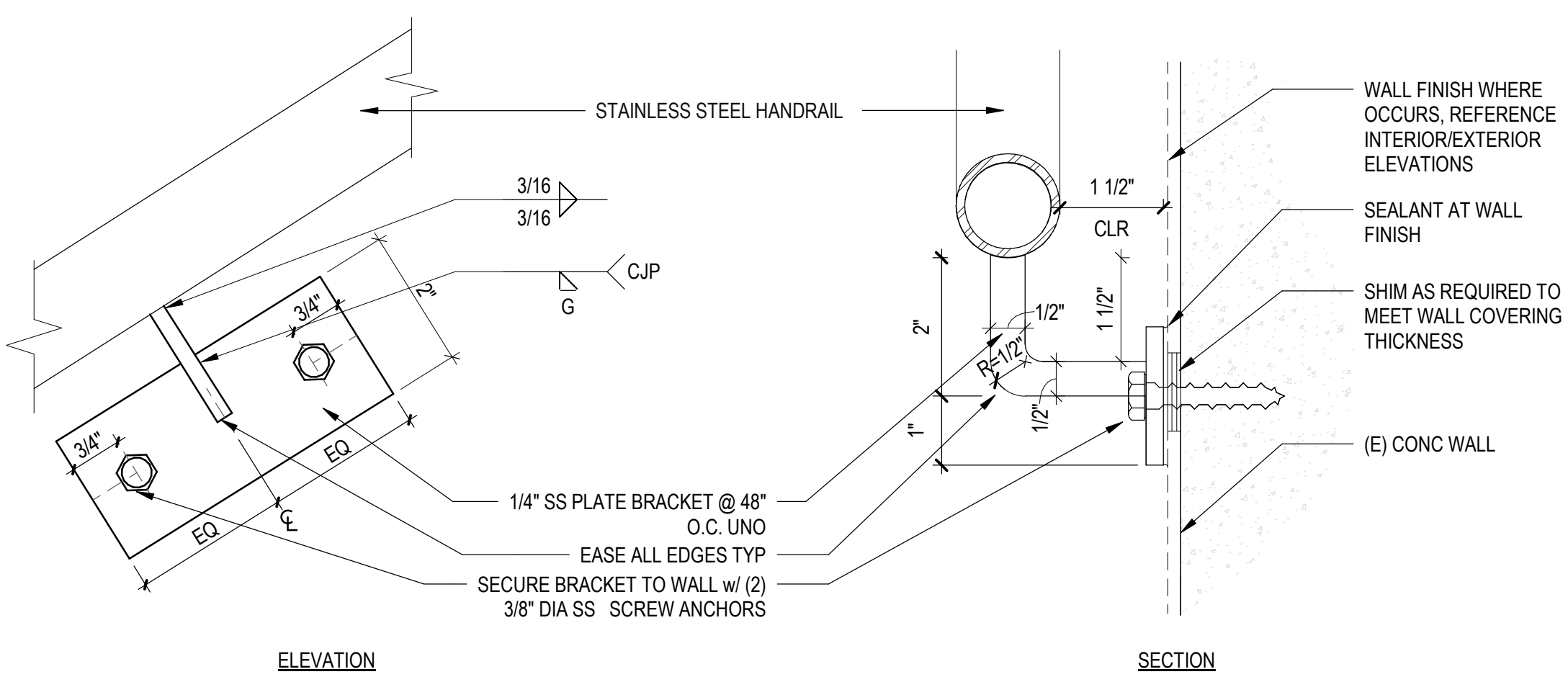
4 SECTION - STAGE LADDER
SCALE: 1/4" = 1'-0"



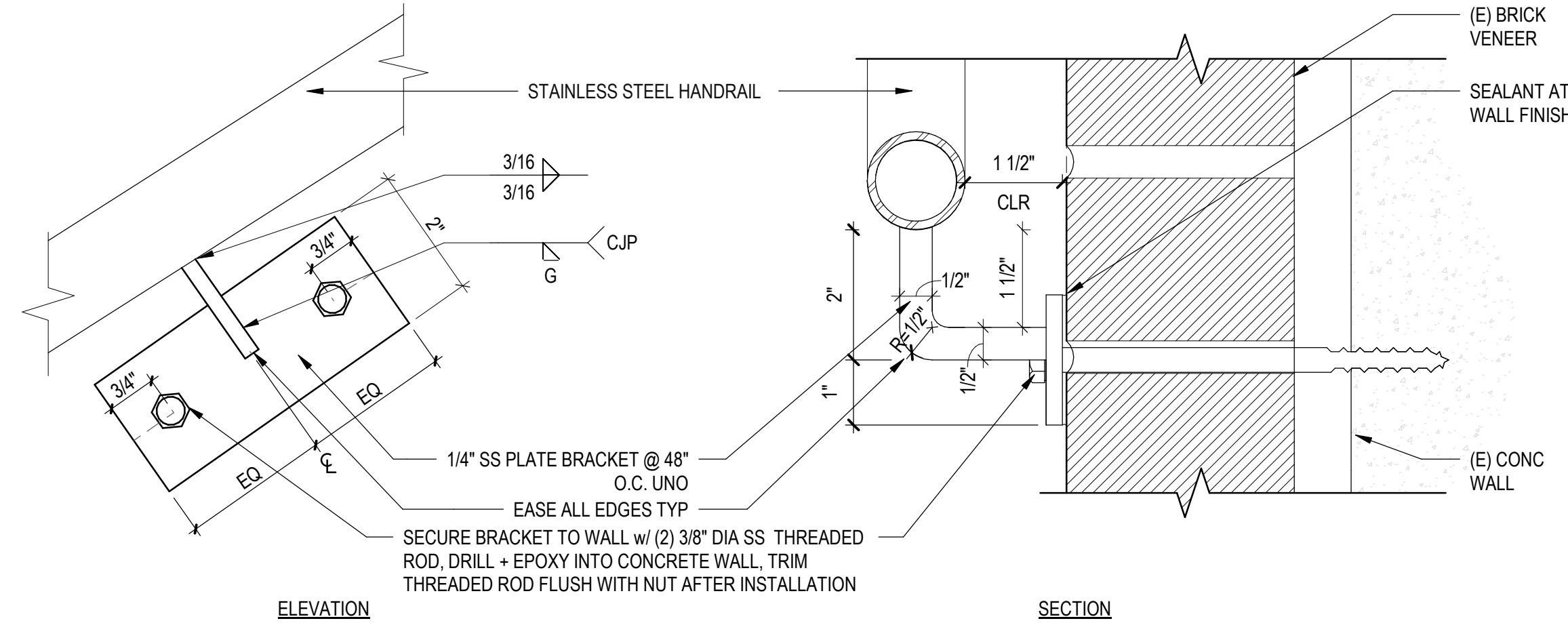
3 SECTION - CUSTODIAL ROOF ACCESS LADDER
SCALE: 1/4" = 1'-0"



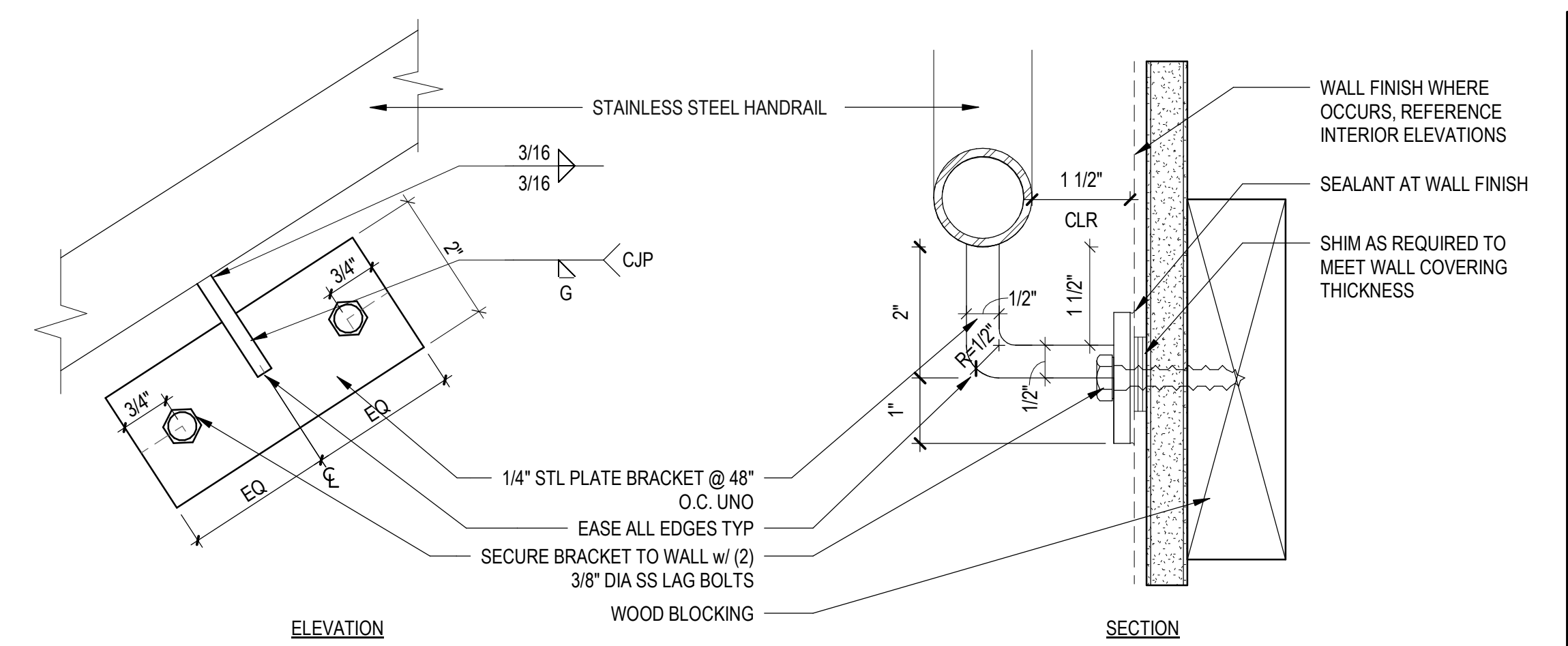
5 SECTION - GYM ATTIC SHIPS LADDER
SCALE: 1/4" = 1'-0"



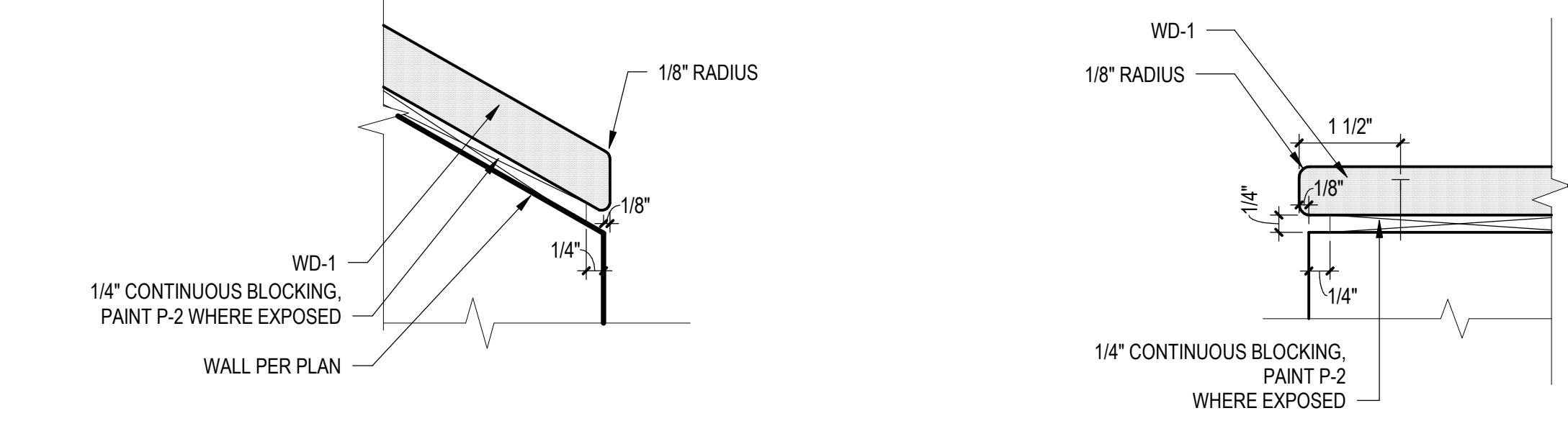
26 HANDRAIL AT CONC / LIN
SCALE: 6" = 1'-0"



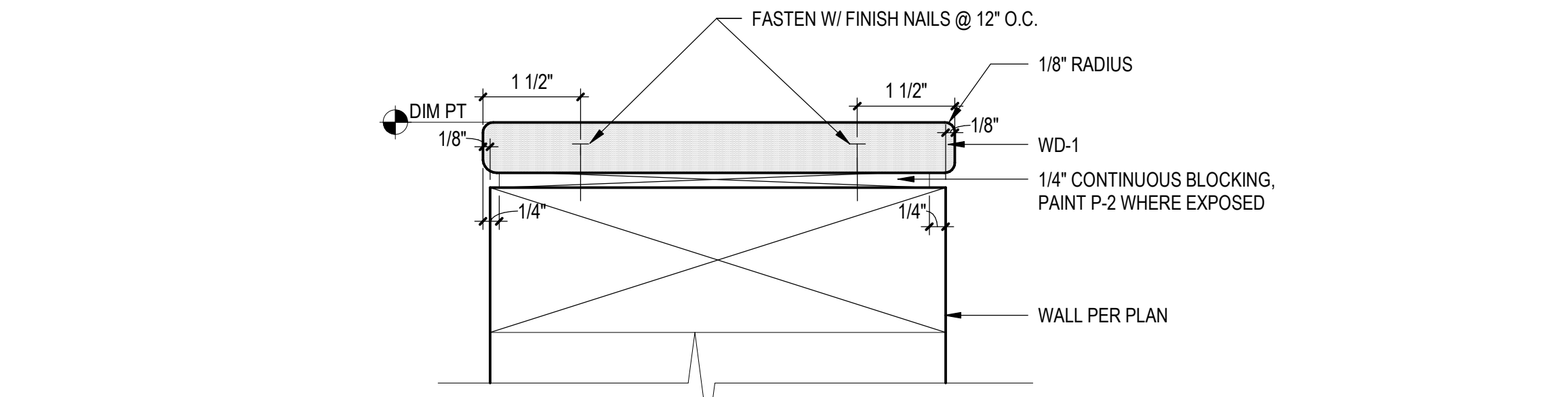
16 HANDRAIL AT BRICK
SCALE: 6" = 1'-0"



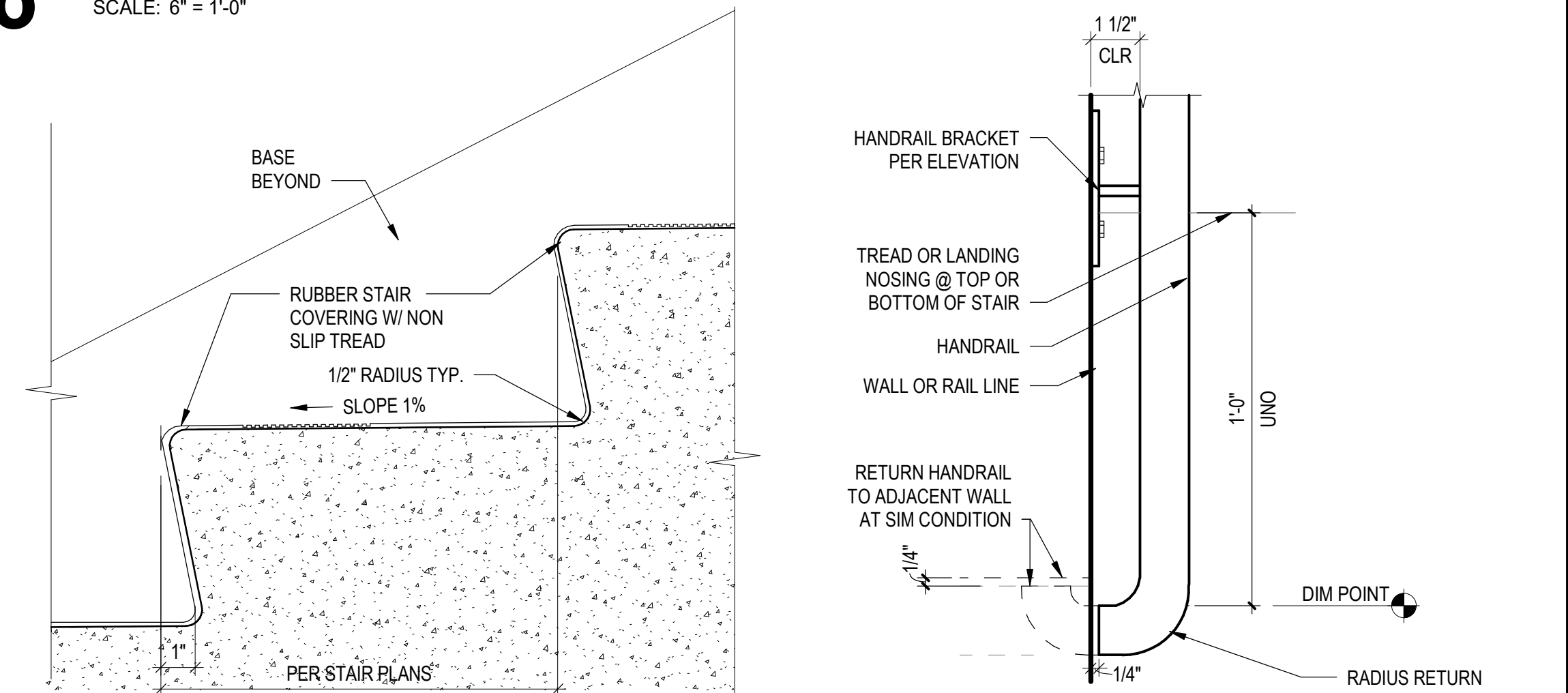
6 HANDRAIL AT GWB / PLASTER
SCALE: 6" = 1'-0"



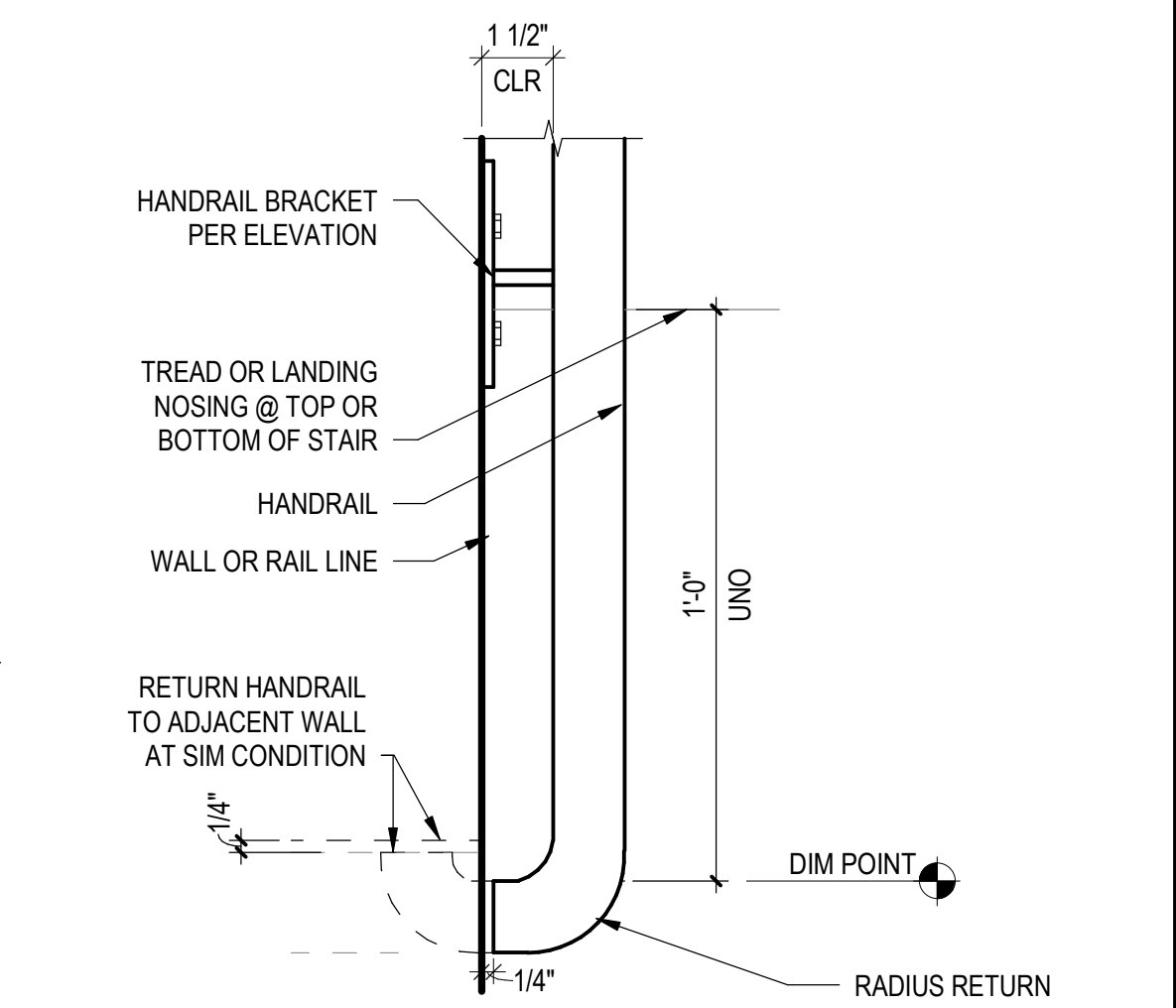
27 MDF END OF WALL @ (E) STAIR
SCALE: 6" = 1'-0"



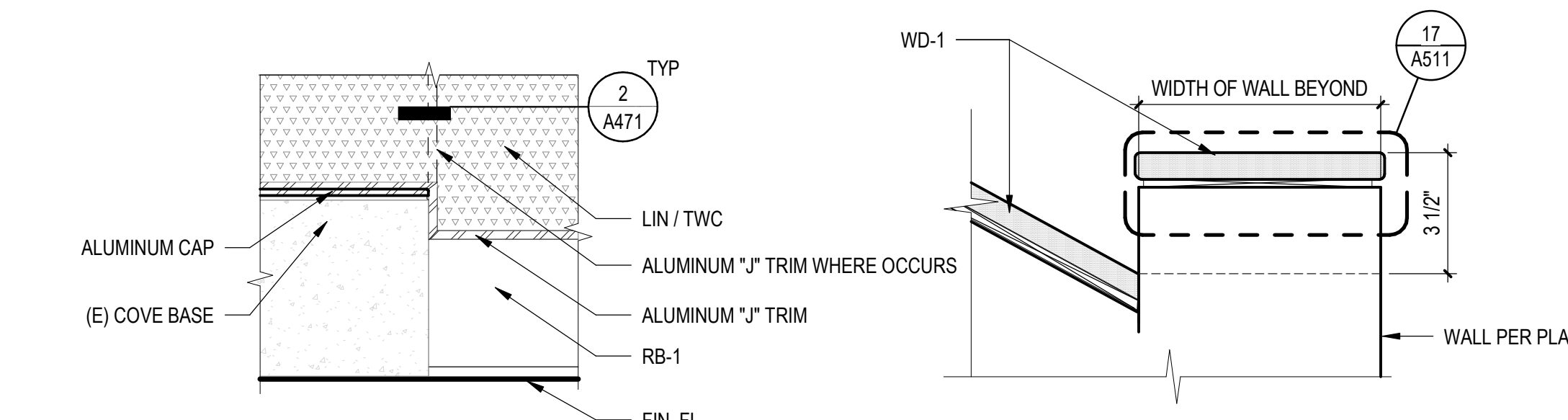
17 GUARDRAIL MDF CAP - SECTION
SCALE: 6" = 1'-0"



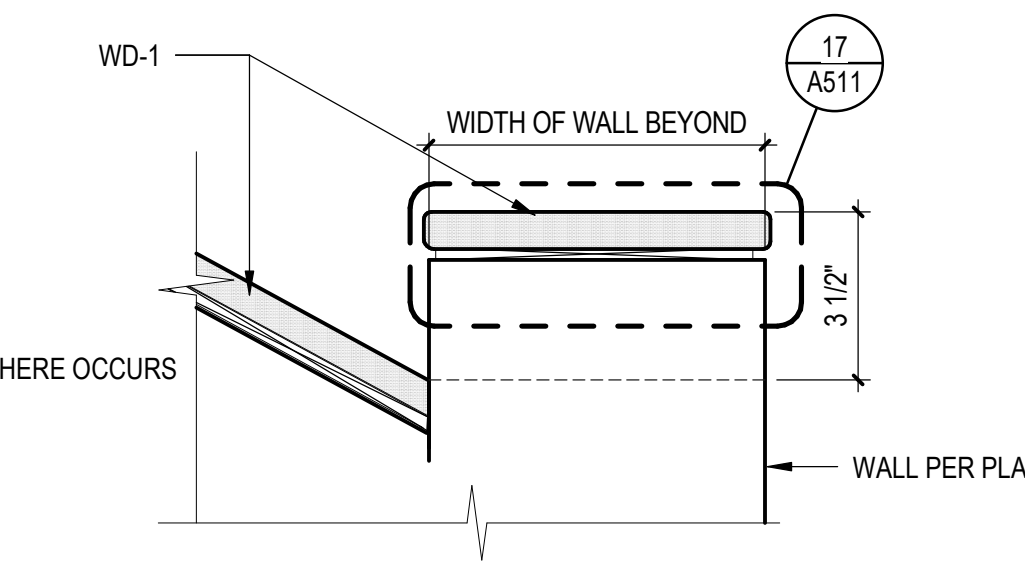
7 DETAIL - STAIR RISER
SCALE: 3" = 1'-0"



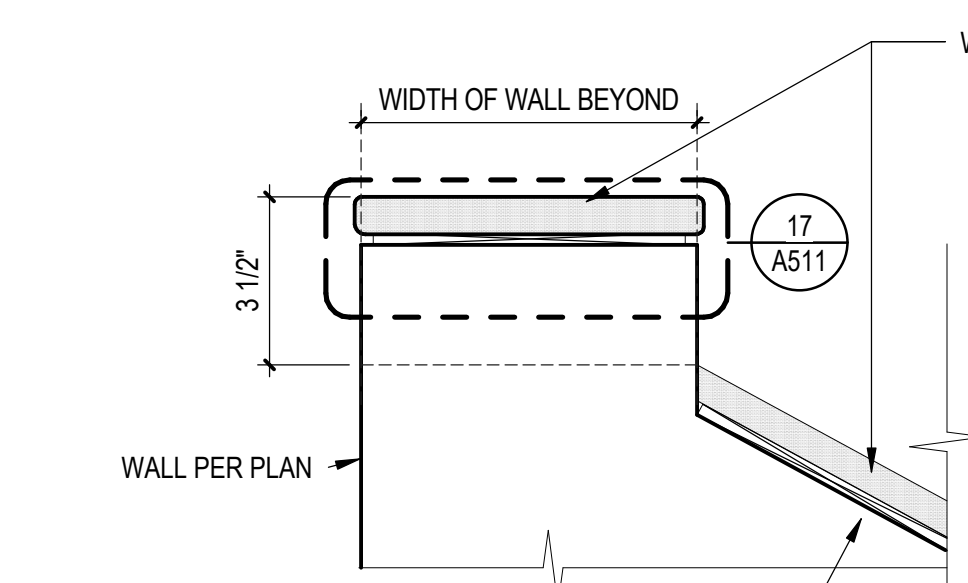
2 HANDRAIL PLAN
SCALE: 3" = 1'-0"



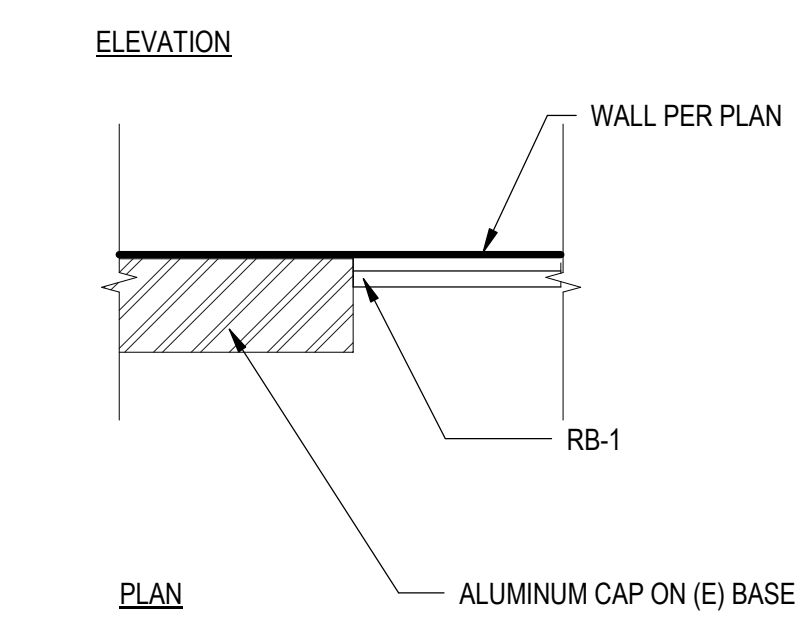
28 ELEVATION OF (E) COVE BASE/RB
SCALE: 3" = 1'-0"



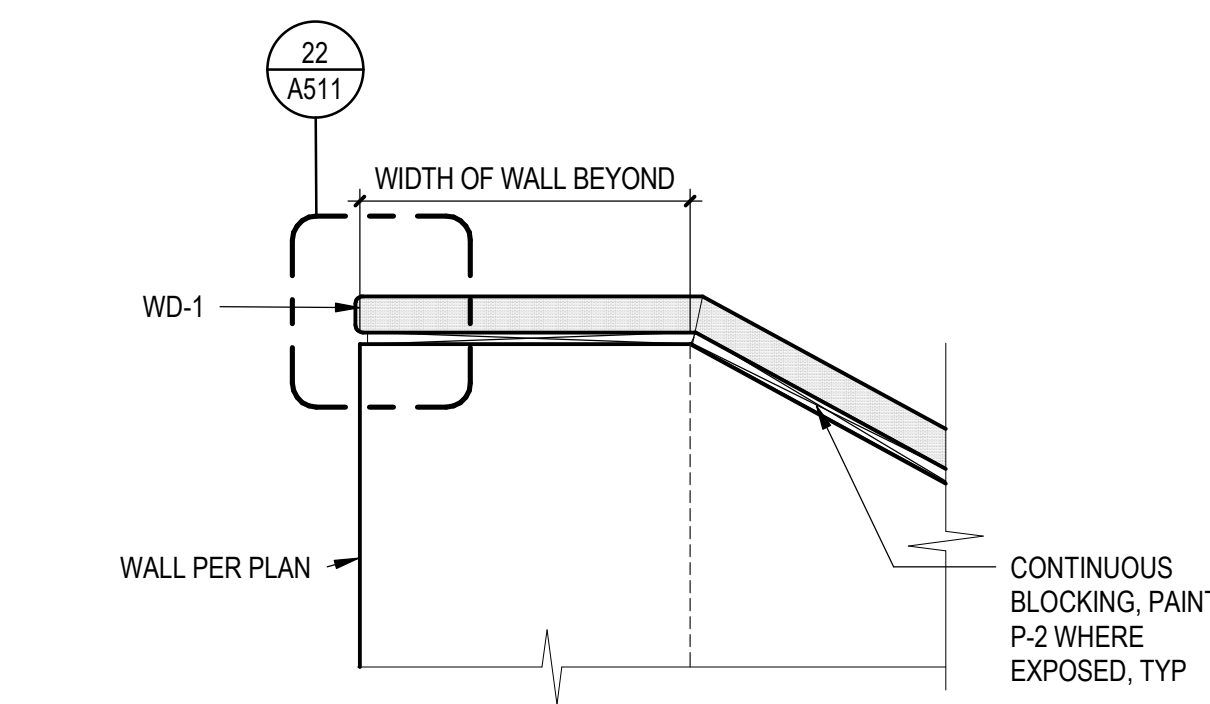
23 MDF CAP AT DOWNSLOPE 1
SCALE: 3" = 1'-0"



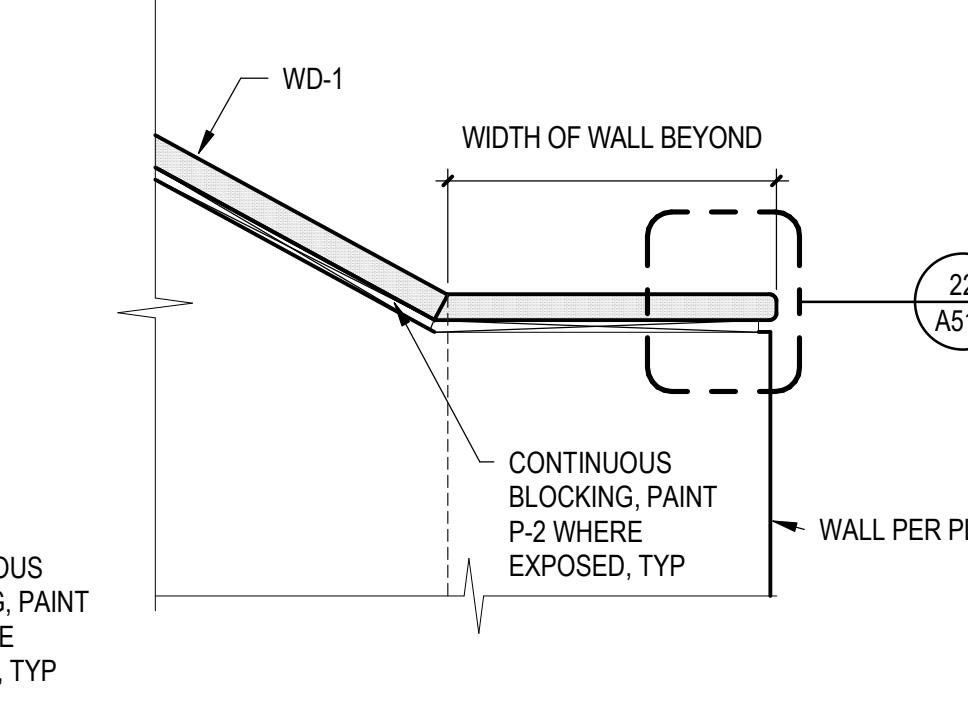
18 MDF CAP AT DOWNSLOPE 2
SCALE: 3" = 1'-0"



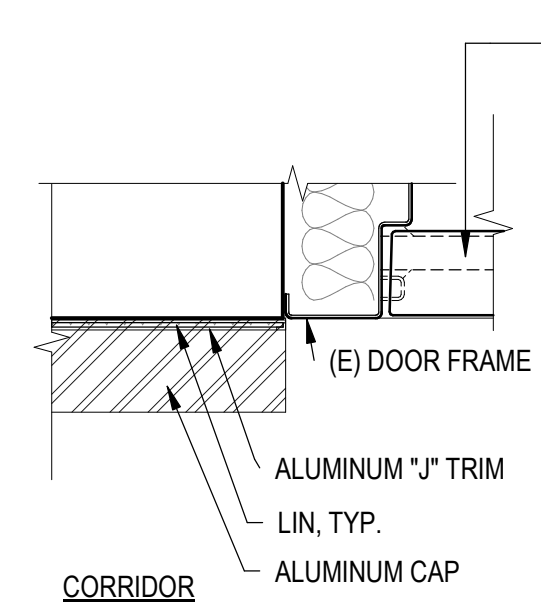
29 PLAN OF (E) COVE BASE/RB
SCALE: 3" = 1'-0"



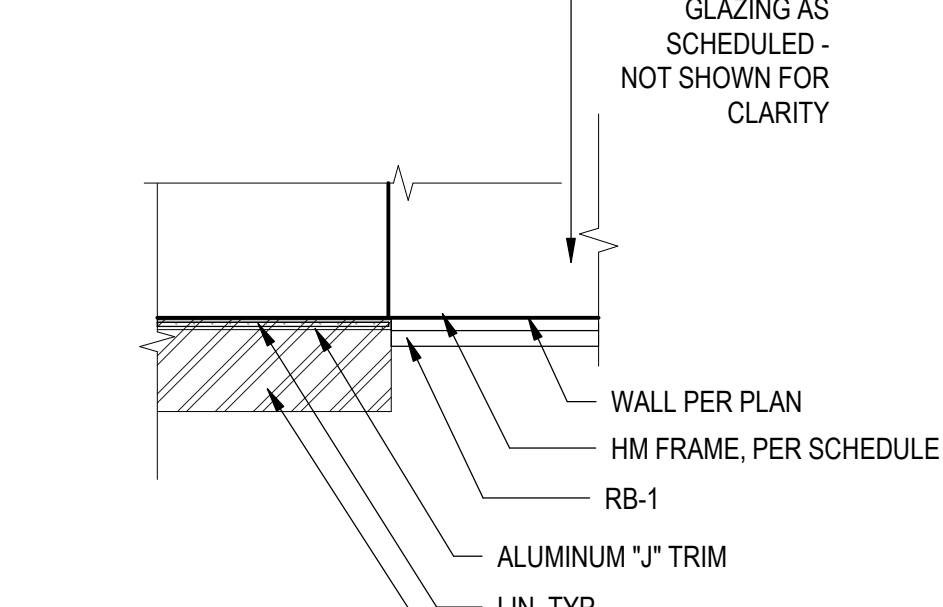
24 MDF CAP AT PLANAR DOWNSLOPE
SCALE: 3" = 1'-0"



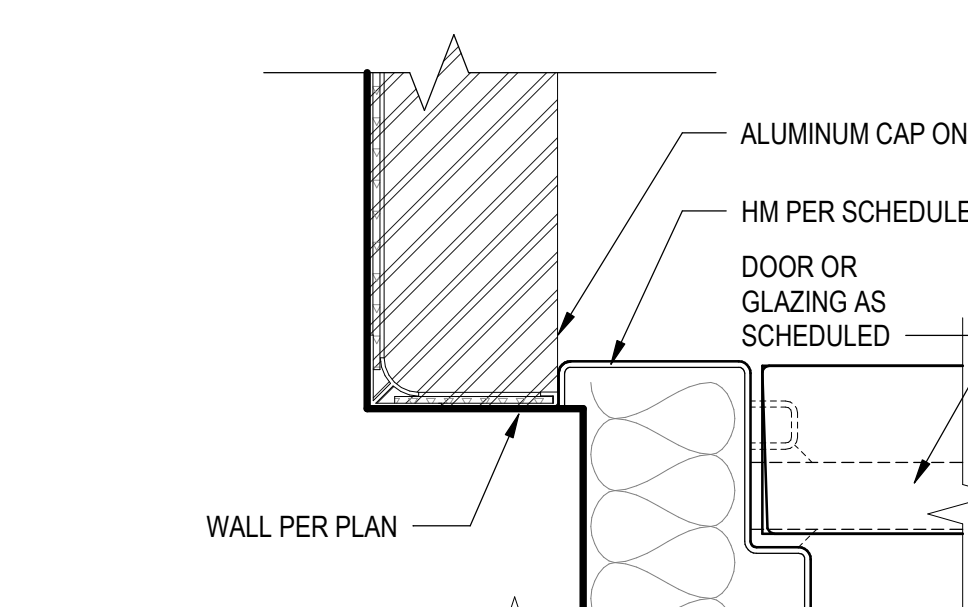
19 MDF CAP AT PLANAR UPSLOPE
SCALE: 3" = 1'-0"



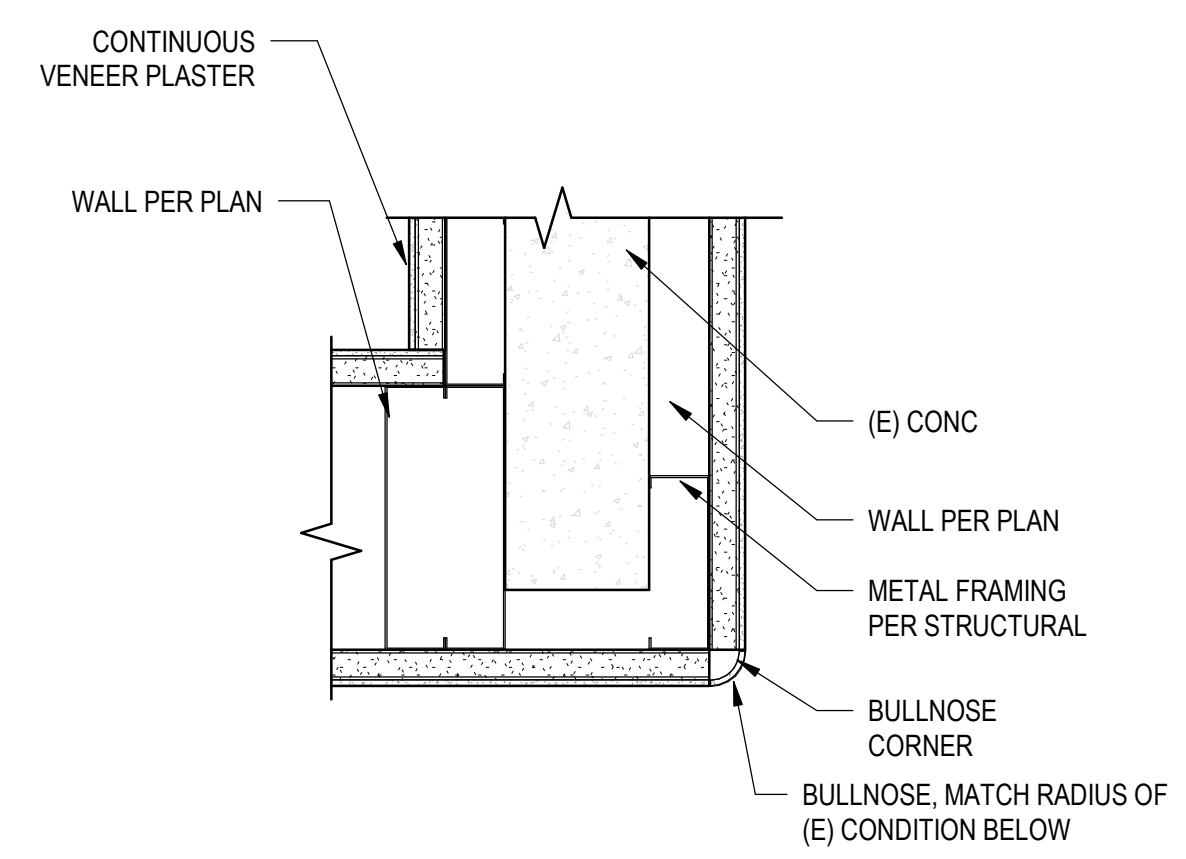
30 PLAN OF LIN AT (E) COVE BASE END
SCALE: 3" = 1'-0"



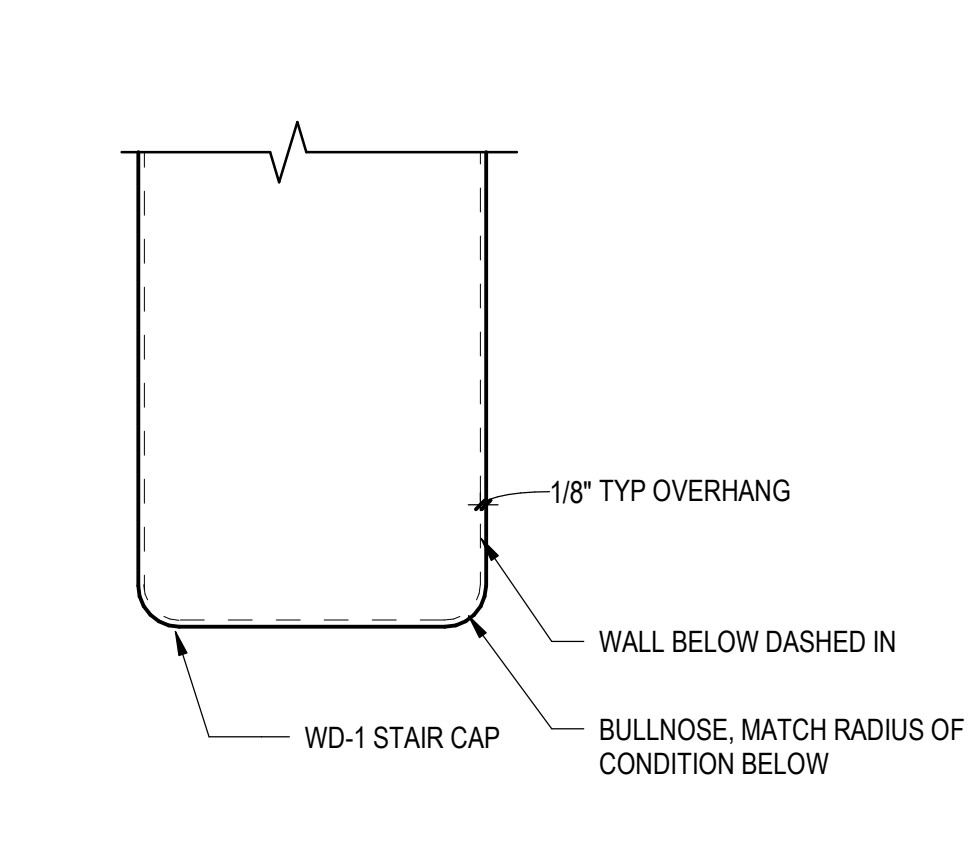
25 PLAN OF LIN AT (E) COVE BASE END 2
SCALE: 3" = 1'-0"



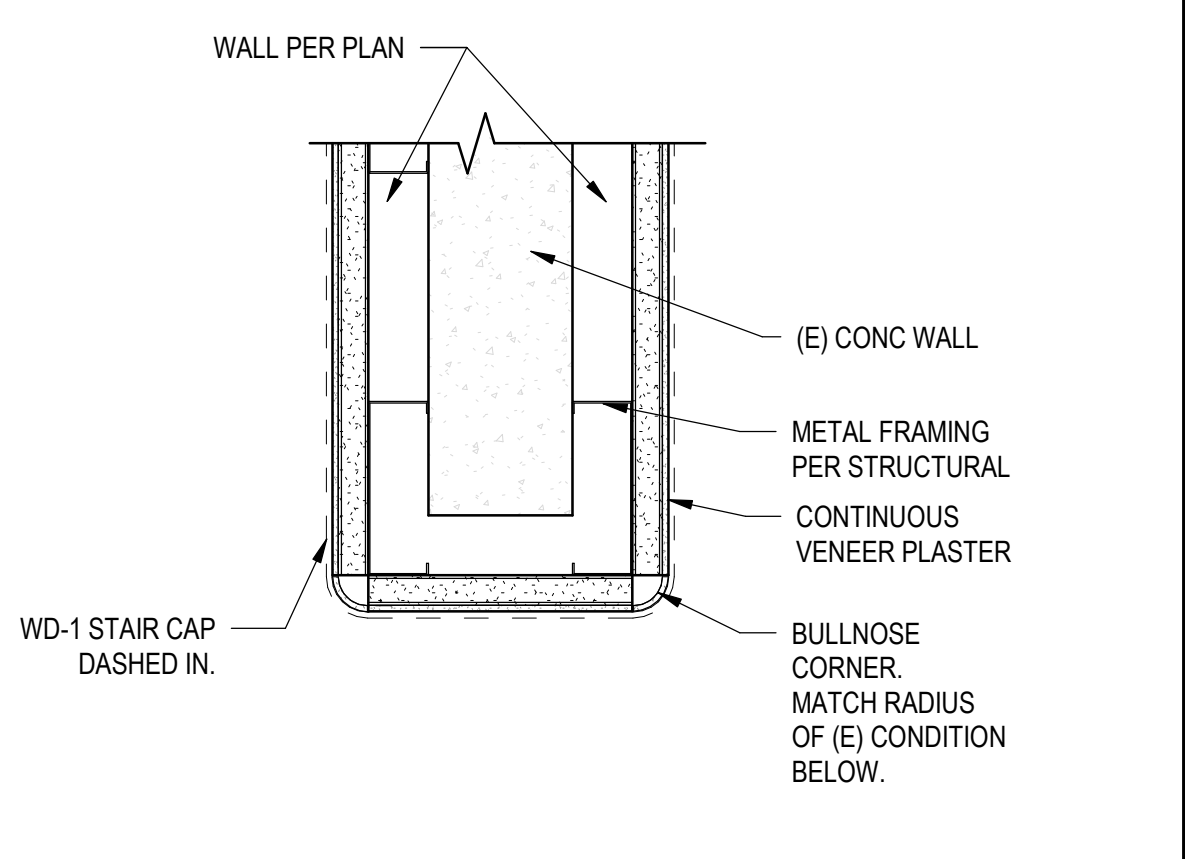
20 (E) COVE BASE/HM FRAME
SCALE: 6" = 1'-0"



15 END OF WALL AT (E) STAIR LEVEL 2
SCALE: 3" = 1'-0"

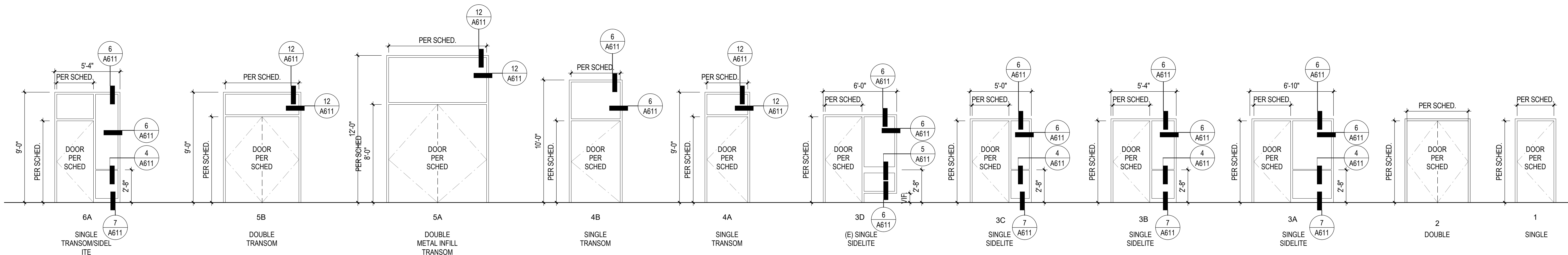


10 STAIR CAP @ END OF WALL AT (E) STAIR
SCALE: 3" = 1'-0"

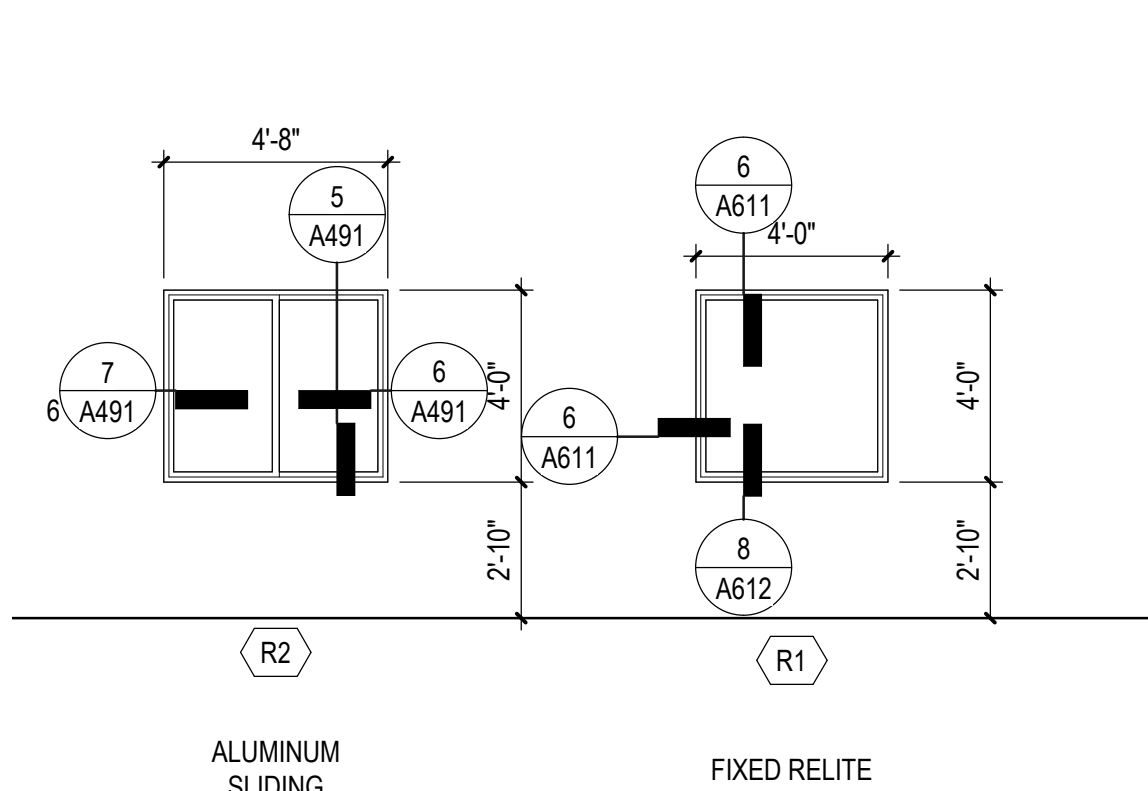


5 END OF WALL AT (E) STAIR
SCALE: 3" = 1'-0"

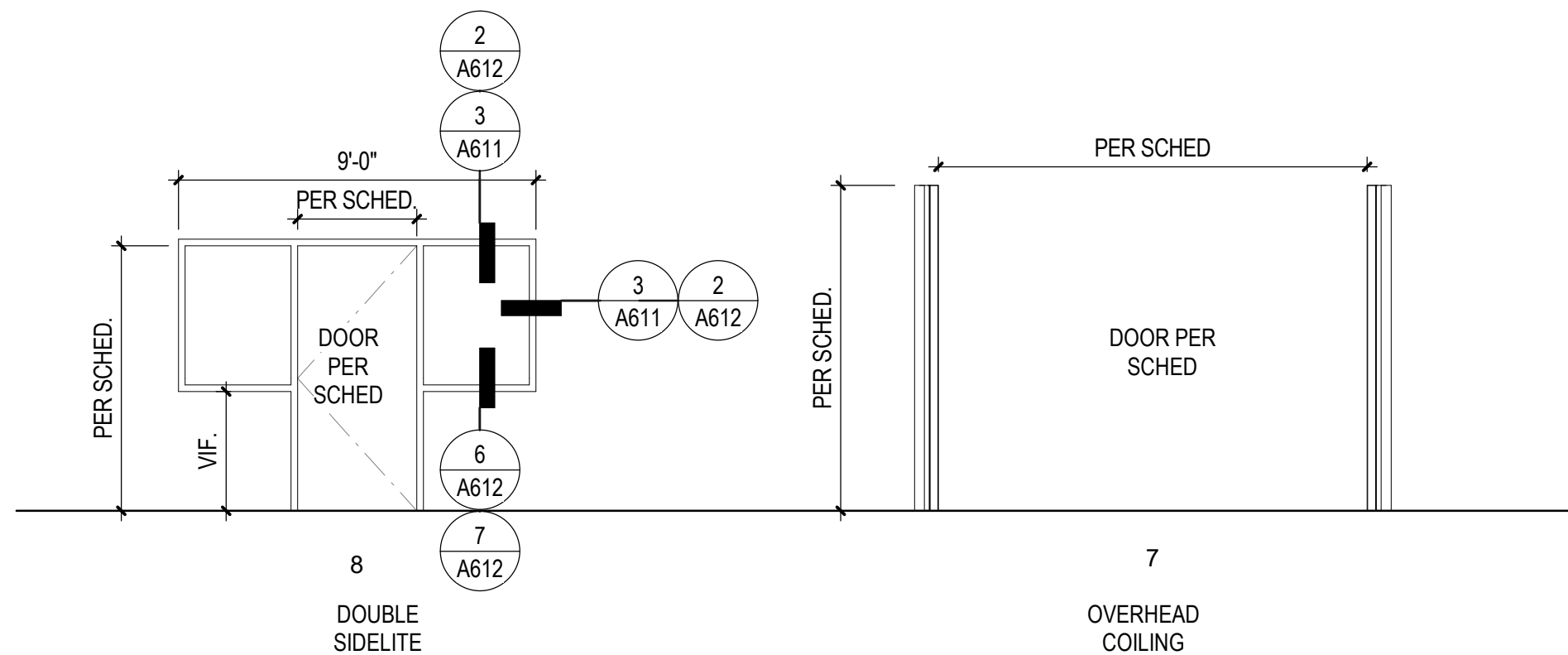
DOOR SCHEDULE																
DOOR NO	DOOR						FRAME						FIRE RATING	HARDWARE SET	REMARKS	DOOR NO
	TYPE	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	TYPE	MATERIAL	FINISH	DETAILS (SEE SHEET A532 UNO)						
										HEAD	JAMB	THRESH.				
001	F	3'-0"	7'-0"	E	FF	E	1	E	P-2	--	--	--	20 MIN	00A	EXISTING TO REMAIN	001
001A	F	3'-0"	7'-0"	E	FF	E	1	E	P-2	--	--	--		00A	EXISTING TO REMAIN	001A
002	F	4'-8"	7'-0"	E	P-2	E	2	E	P-2	--	--	--	20 MIN	00A	EXISTING TO REMAIN	002
003	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		20		003
004	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		41		004
005	FG	3'-0"	6'-8"	WD	FF	PER MFR	3A	HM	P-2	2/A611	2/A611	--	11-STC			005
006	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		12		006
006A	F	2'-0"	5'-8"	HM	P-2	--	1	HM	P-2	2/A611	2/A611	--		25		006A
007	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		29		007
007A	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		40		007A
009	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		45		009
012	N	5'-0"	6'-8"	HM	P-2	GL-2	2	HM	P-2	9/A611	9/A611	--		19	PANIC HARDWARE	012
012A	FG2	3'-4"	7'-0"	AL	FF	IG-2	SF6	AL	FF	PER MFR	PER MFR / 8/A632	11/A611		27	PANIC HARDWARE/ ADA OPERATOR	012A
012B	FG2	3'-4"	7'-0"	AL	FF	IG-2	SF6	AL	FF	PER MFR	PER MFR / 8/A632	11/A611		17	PANIC HARDWARE	012B
012C	N	5'-0"	6'-8"	HM	P-2	GL-2	2	HM	P-2	3/A611	3/A611	--		19	PANIC HARDWARE	012C
013	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		08		013
015	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		12		015
016	OOD	13'-6"	10'-0"	STL	FF	--	7	--	--	13/A611	14/A611	--		23		016
016A	F	4'-0"	6'-8"	WD	FF	--	4B	HM	P-2	2/A611	2/A611	--		44W		016A
016B	F	4'-0"	6'-8"	WD	FF	--	4B	HM	P-2	2/A611	2/A611	--		44W		016B
016C	F	4'-0"	6'-8"	WD	FF	--	4B	HM	P-2	2/A611	2/A611	--		14W		016C
017	OOD	4'-0"	6'-2"	STL	FF	--	1	--	--	15/A611	14 & 16/A611	17/A611		23		017
018	F	3'-0"	6'-8"	HM	P-2	--	3B	HM	P-2	2/A611	2/A611	--		11		018
019	F	3'-0"	6'-8"	HM	P-2	--	1	HM	P-2	2/A611	2/A611	--		38		019
020	F	3'-6"	6'-8"	HM	P-2	--	1	HM	P-2	2/A611	2/A611	--		25W		020
021	OOD	4'-0"	6'-2"	STL	FF	--	1	--	--	15/A611	14 & 16/A611	17/A611		23		021
031	F	6'-0"	6'-8"	WD	FF	--	2	HM	P-2	3/A612	3/A612	--		21		031
033	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	3/A611	3/A611	--		15	PANIC HARDWARE	033
033A	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	1/A612	1/A612	--		20		033A
033B	LL	8'-0"	8'-0"	HM	P-2	--	5A	HM	P-2	9/A611	9/A611	11/A611		26	PANIC HARDWARE	033B
034	G	3'-0"	6'-8"	WD	FF	GL-2	8	HM	P-2	1/A612	1/A612	--	06-STC			034
035	F	3'-8"	7'-8"	HM	P-2	--	1	HM	P-2	9/A611	9/A611	11/A611		22	PANIC HARDWARE/ SAWCUT SILL TO FF	035
036A	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		40		036A
037	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		09		037
038	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		18		038
039	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		43		039
040B	G	6'-0"	7'-0"	HM	P-2	IG-2	2	HM	P-2	9/A611	9/A611	11/A611		31	PANIC HARDWARE	040B
041	FG	3'-0"	6'-8"	WD	FF	PER MFR	3A	HM	P-2	2/A611	2/A611	--	11-STC			041
041A	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		34		041A
042	FG2	3'-0"	7'-0"	E	P-2	E	3D	E	P-2	--	--	--		00	EXISTING TO REMAIN	042
044	FG2	3'-4"	7'-0"	HM	P-9		4A	HM	P-9	9/A611	9/A611	11/A611		22	PANIC HARDWARE	044
046	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		40		046
047	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		29		047
050	FG2	3'-4"	7'-0"	HM	P-9		4A	HM	P-9	9/A611	9/A611	11/A611		22	PANIC HARDWARE	050
051A	F	3'-6"	7'-2"	E	FF	E	1	E	P-2	--	--	--	20 MIN	00	EXISTING TO REMAIN	051A
060	FG2	6'-6"	7'-11"	AL	FF	IG-2	SF1	AL	FF	PER MFR	PER MFR	13/A633		03	PANIC HARDWARE/ ADA OPERATOR	060
060A	FG2	6'-6"	7'-11"	AL	FF	IG-2	SF1	AL	FF	PER MFR	PER MFR	13/A633		04	PANIC HARDWARE	060A
060B	G	6'-0"	7'-0"	HM	P-2	IG-2	2	HM	P-2	9/A611	9/A611	11/A611		02	PANIC HARDWARE	060B
060C	G	6'-0"	7'-0"	HM	P-2	IG-2	2	HM	P-2	9/A611	9/A611	11/A611		01	PANIC HARDWARE/ ADA OPERATOR	060C
061	FG2	6'-4"	7'-10"	HM	P-2	IG-2	2	HM	P-2	9/A611	9/A611	14/A612		01A	PANIC HARDWARE/ ADA OPERATOR	061
061A	FG2	6'-1"	7'-10"	AL	FF	IG-2	SF12	AL	FF	3/A612	4.5/A612	14/A633		33	PANIC HARDWARE	061A
061B	FG2	6'-2"	7'-11"	AL	FF	IG-2	SF9	AL	FF	PER MFR	PER MFR	14/A633		33	PANIC HARDWARE	061B
062	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		12		062
063	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		12		063
064	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		25		064
065	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		45		065
101	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		101
102	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		102
103	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		103
104	LL	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	8/A611	8/A611	--		42		104
105	LL	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	8/A611	8/A611	--		42		105
106	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	3/A611	3/A611	--		09		106
107	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		107
108	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		11		108
108A	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		11		108A
108B	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		108B
109A	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	3/A611	3/A611	--		06		109A
110	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	3/A611	3/A611	--		06		110
111	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	8/A611	8/A611	--		40		111
112	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		40		112
113	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		11		113
113A	OOD	3'-4"	4'-1"	STL	FF	--	1	--	--	18/A611	19/A611	20/A611		23		113A
114	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		114
115	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		25		115
116	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		116
117	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		20		117
120	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		120
121	F	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	2/A611	2/A611	--		06		121
121A	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		121A
122	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		122
123	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		123
124	N	3'-4"	6'-8"	WD	FF	GL-2	1	HM	P-2	8/A611	8/A611	--		06		124
124A	G	3'-0"	6'-8"	WD	FF	--	1	HM	P-2	8/A611	8/A611	--		07		124A
125	F	3'-0"	6'-8"	WD	FF	GL-2	6A	HM	P-2	2/A611	2/A611	--	11-STC			125
126	F	3'-0"	6'-8"	WD	FF	GL-2	6A	HM	P-2	2/A611						



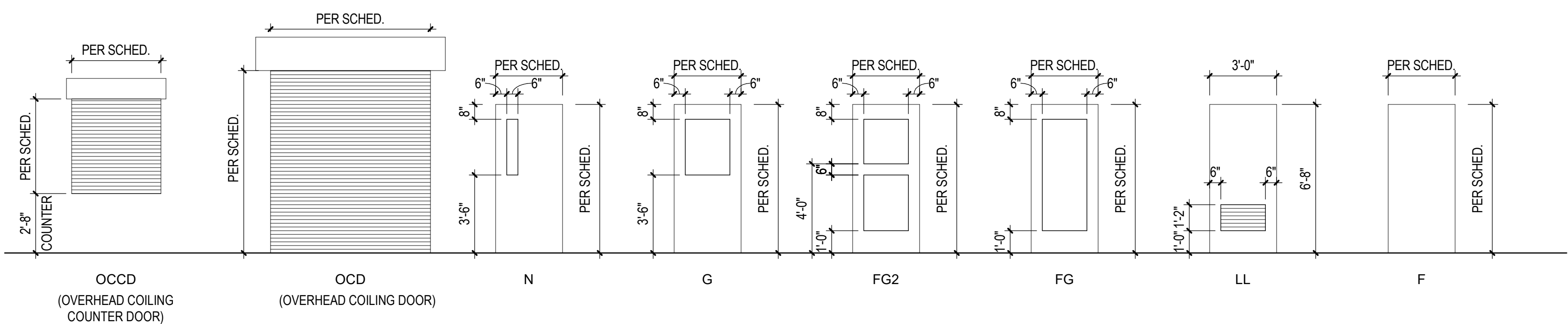
DOOR FRAME TYPES



RELITE TYPES



DOOR FRAME TYPES



DOOR PANEL TYPES

GENERAL NOTES

1. SEE DOOR & FRAME SCHEDULE FOR DOOR GLAZING TYPES AT EACH LOCATION.
2. ALL GLAZING TO BE GL-1 FOR INTERIOR AND IG-1 FOR EXTERIOR, UNLESS NOTED OTHERWISE.
3. DIMENSIONS TO OUTSIDE OF FRAME AND CENTERLINE OF MULLIONS, UNO.
4. ROLLER SHADES AT ALL GLAZING. ALL ROLLER SHADES AT SIDELITES TO BE MOUNTED ON CLASSROOM/OFFICE SIDE
5. 2" HM DOOR FRAMES AND PERIMETER SIDELITE FRAMES, 1" HM MULLIONS (4" DEEP) WITHIN PERIMETER, 4" HM FRAMES AT SILL, TYP UNO.

GLAZING LEGEND

SINGLE-PANE GLAZING UNITS

- GL-1 CLEAR HEAT-STRENGTHENED 1/4"
- GL-2 CLEAR TEMPERED 1/4"
- GL-3 CLEAR TEMPERED 3/8"

DOUBLE-PANE GLAZING UNITS

- IG-1 HEAT STRENGTHENED / HEAT STRENGTHENED
- IG-2 CLEAR TEMPERED / LAMINATED
- IG-3 CLEAR LAMINATED / LAMINATED

WINDOW TAGS LEGEND

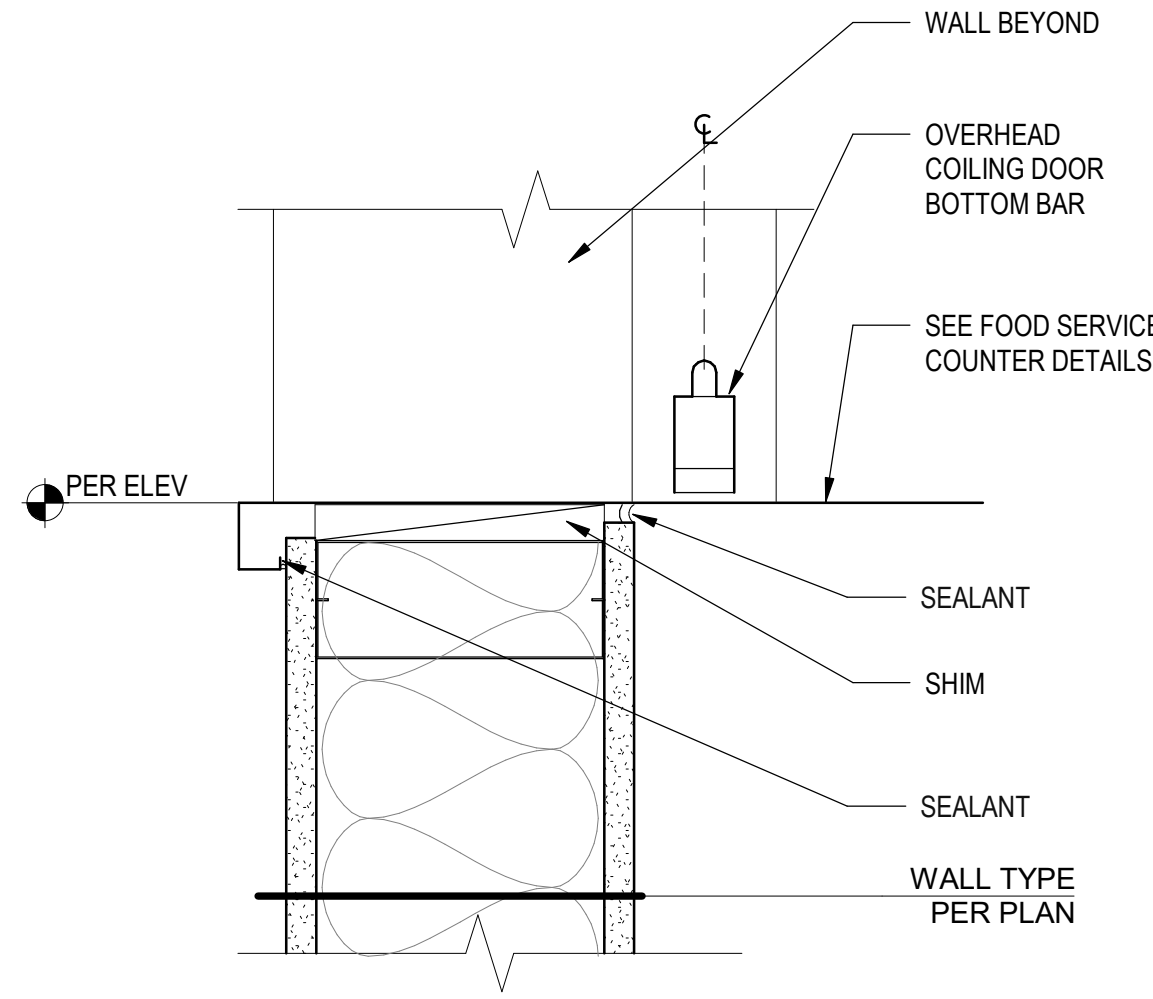
- SF ALUMINUM STOREFRONT SYSTEM
- W WINDOW SYSTEM
- R INTERIOR RELITE

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
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500 REDPATH ST, KELSO, WA 98626

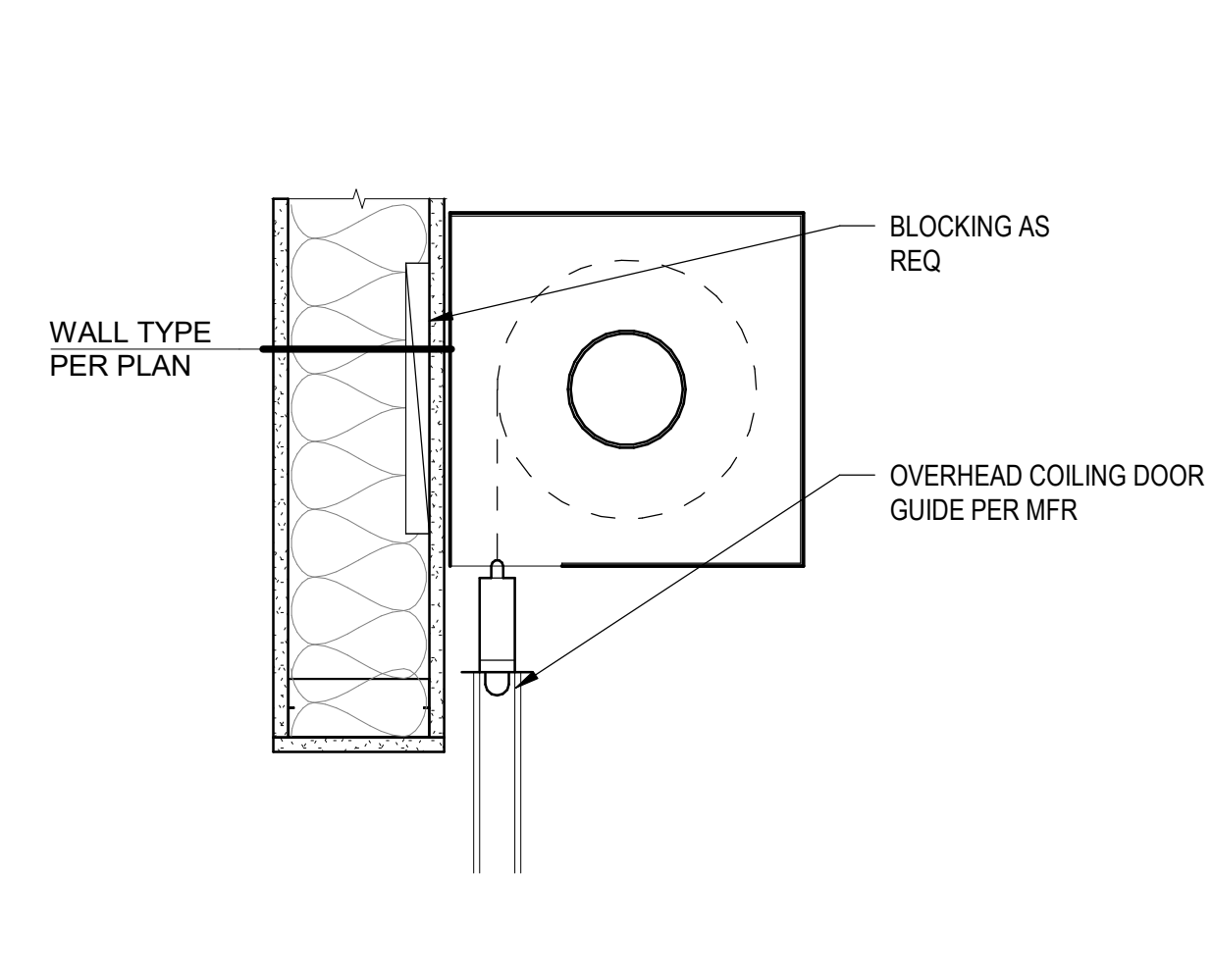
Date:	05/28/2021
Job No.:	21938.00
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Checked by:	MT
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#	Date Description

DOOR AND
RELITE LEGEND

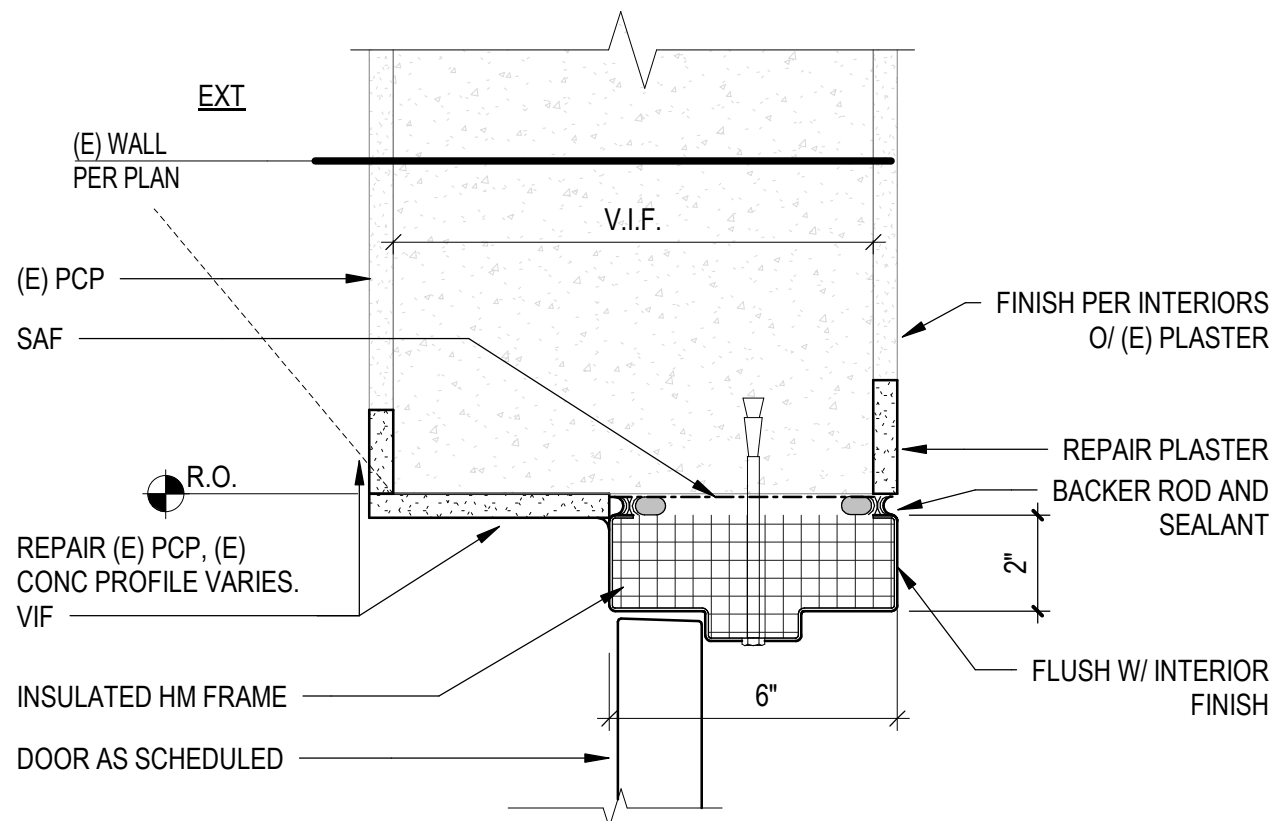
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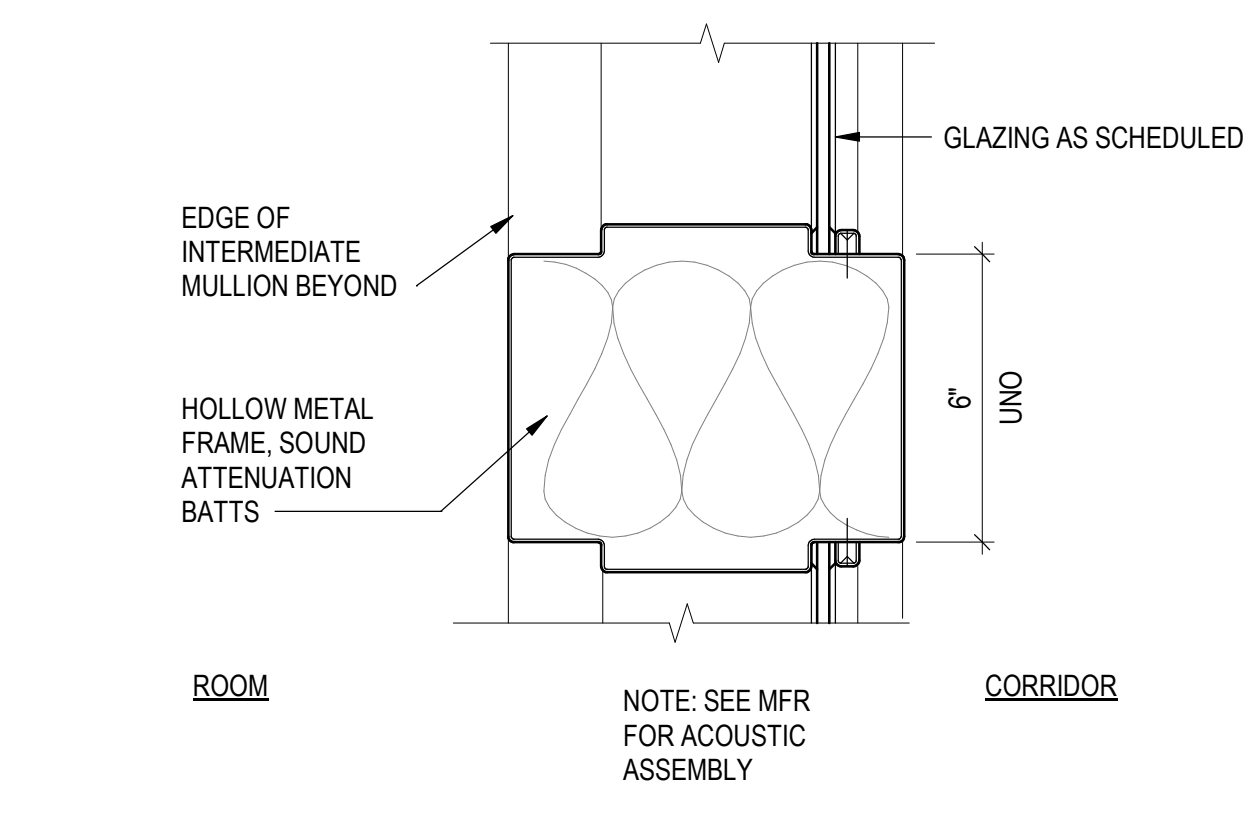
17 COILING COUNTER DOOR SILL @ GWB
SCALE: 3" = 1'-0"



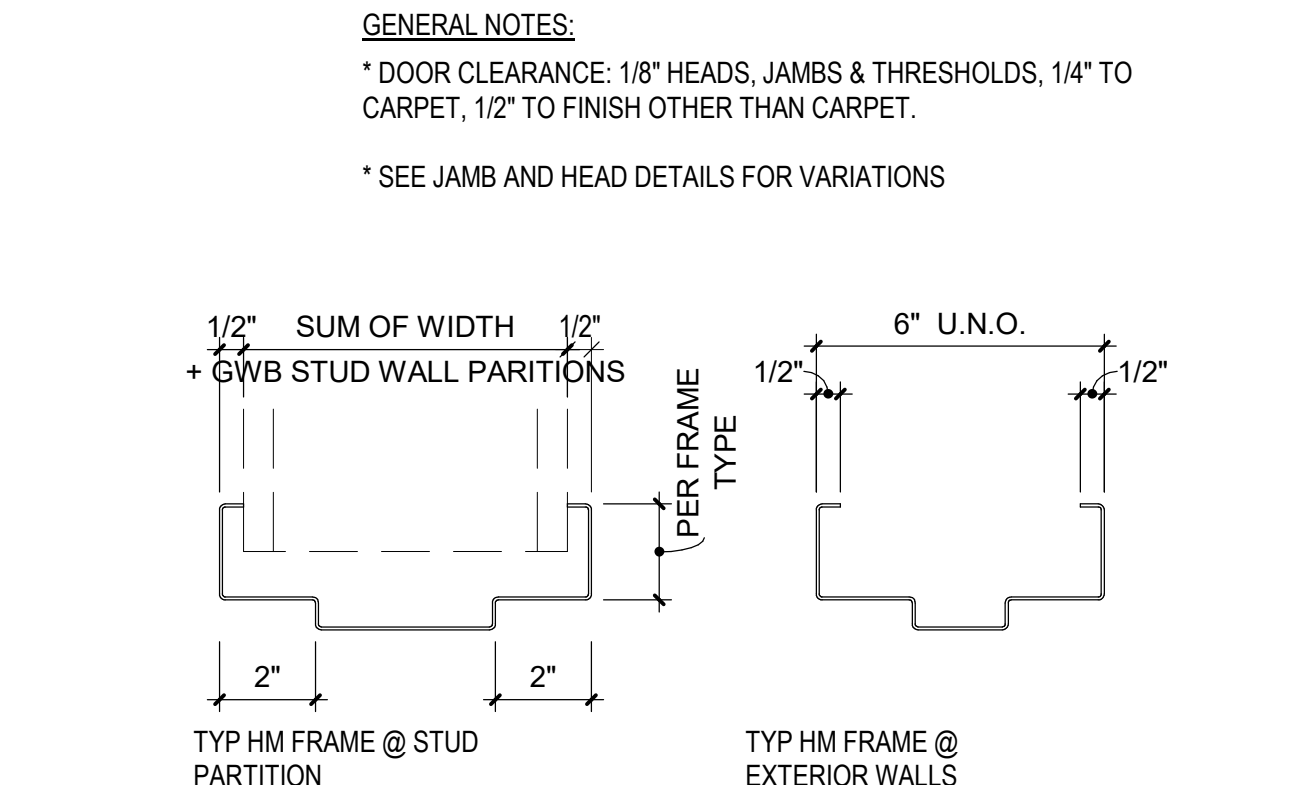
13 COILING DOOR HEAD
SCALE: 1 1/2" = 1'-0"



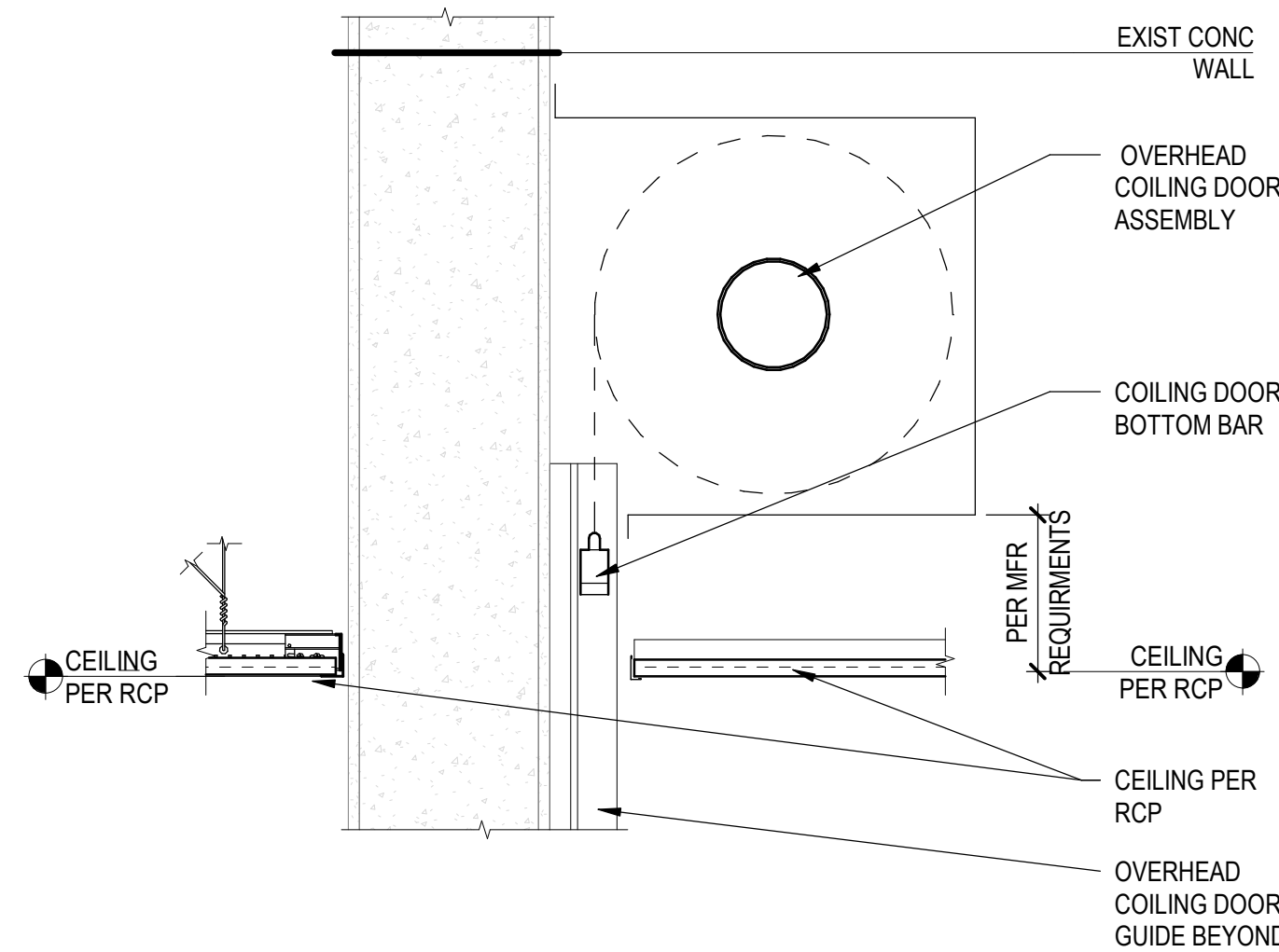
9 HM HEAD/JAMB @ EXT. CONC.
SCALE: 3" = 1'-0"



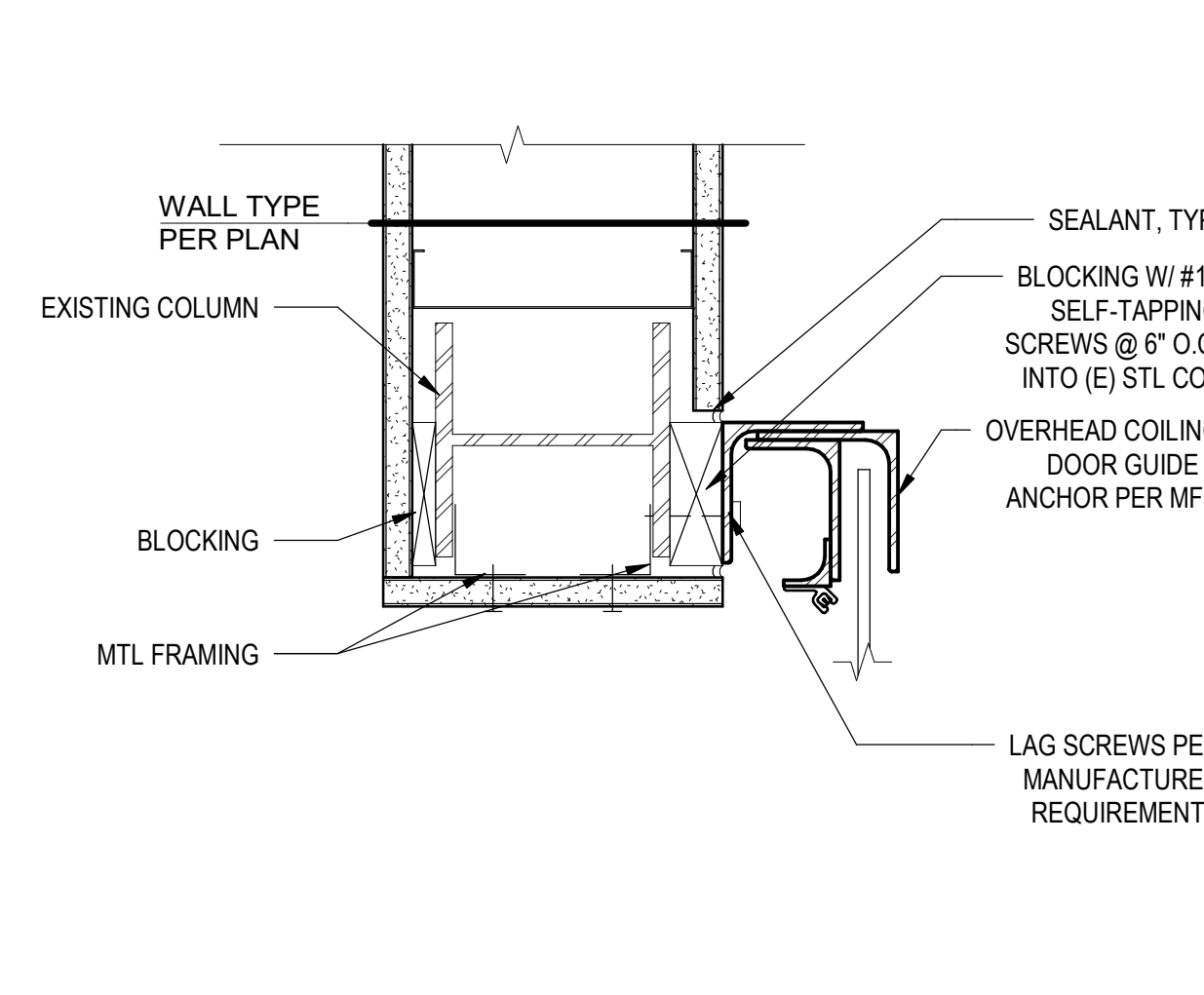
5 HM RELITE MULLION
SCALE: 3" = 1'-0"



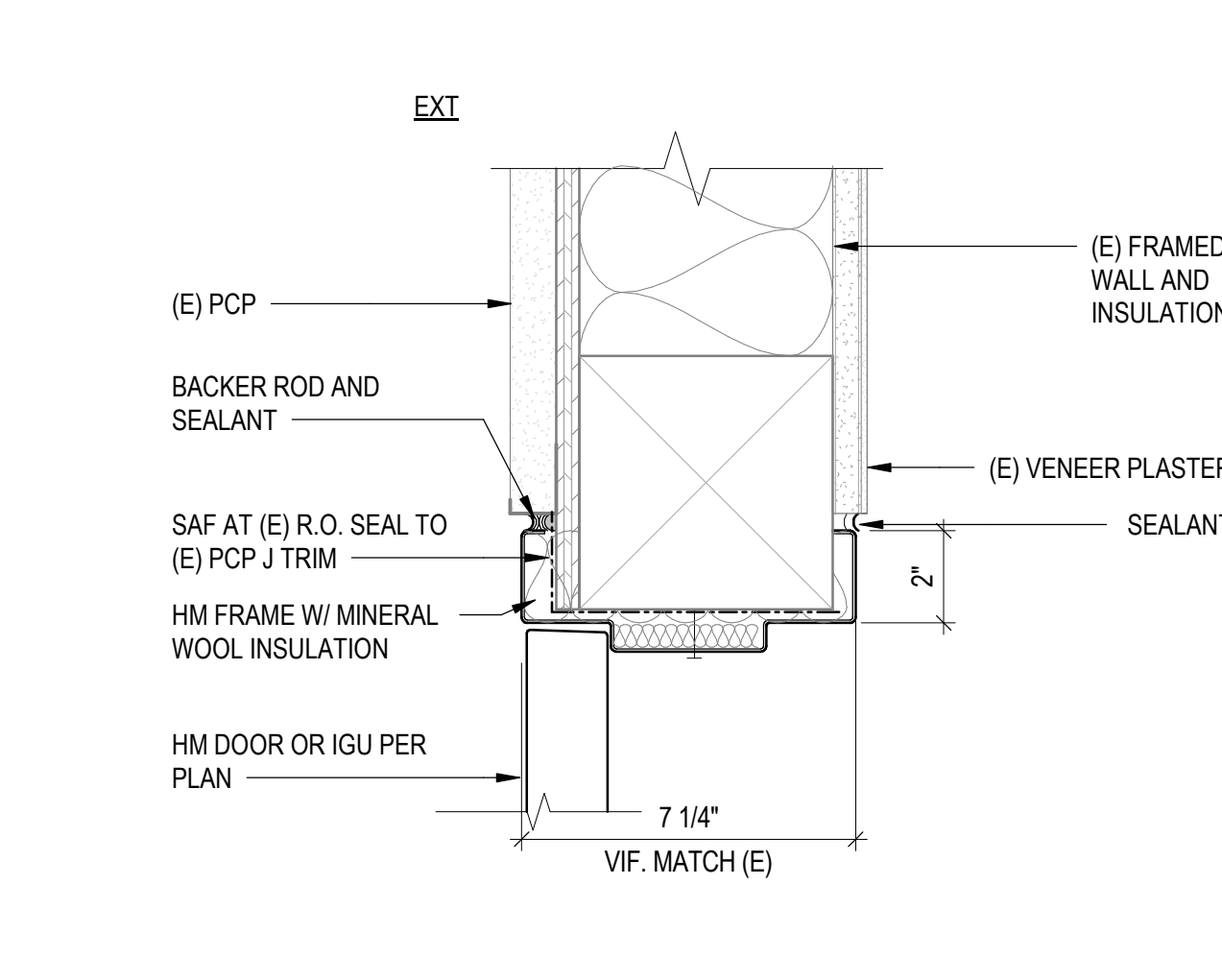
1 HOLLOW METAL FRAME DIMENSIONS
SCALE: 3" = 1'-0"



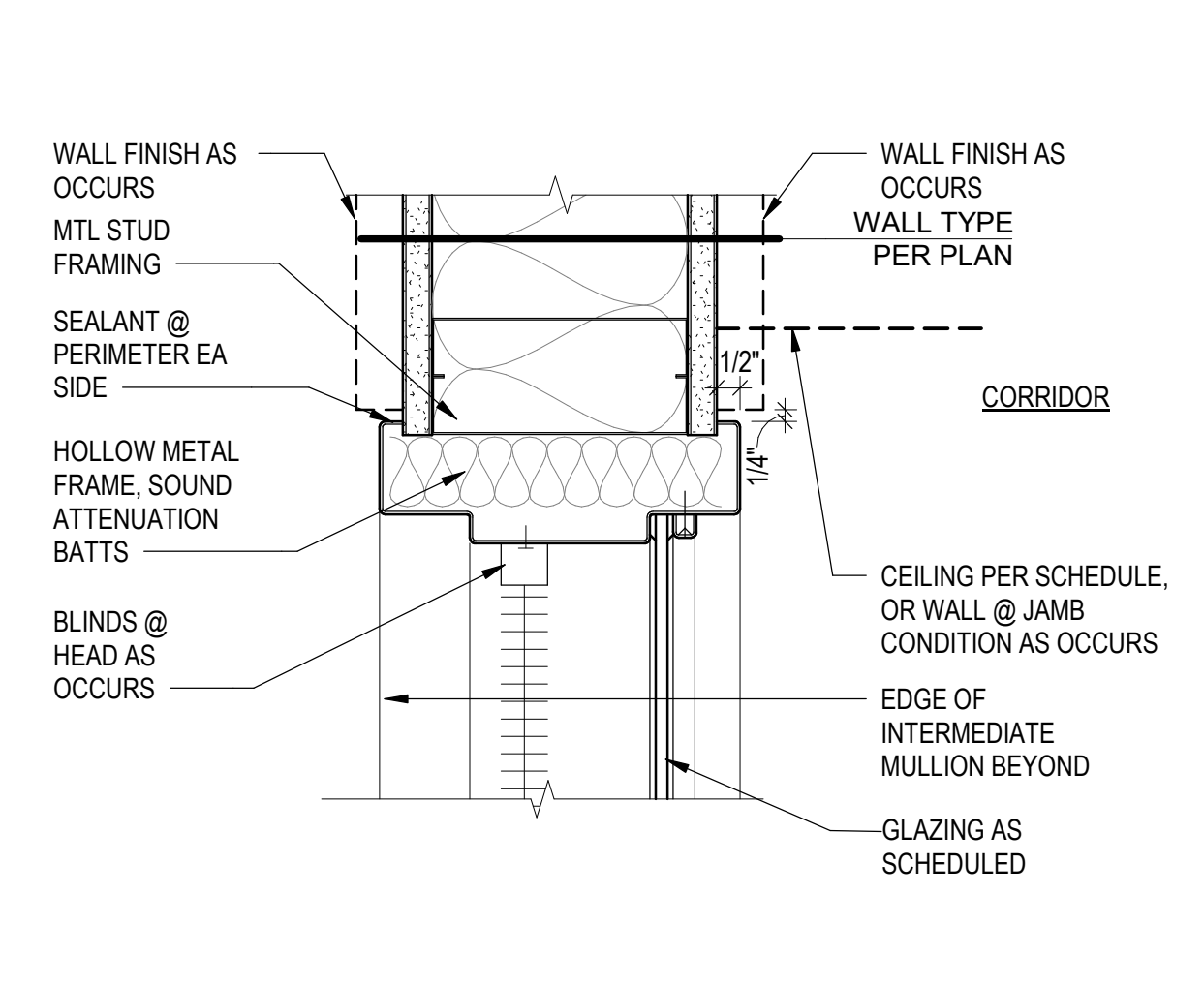
18 COILING COUNTER DOOR HEAD @ CONC
SCALE: 1 1/2" = 1'-0"



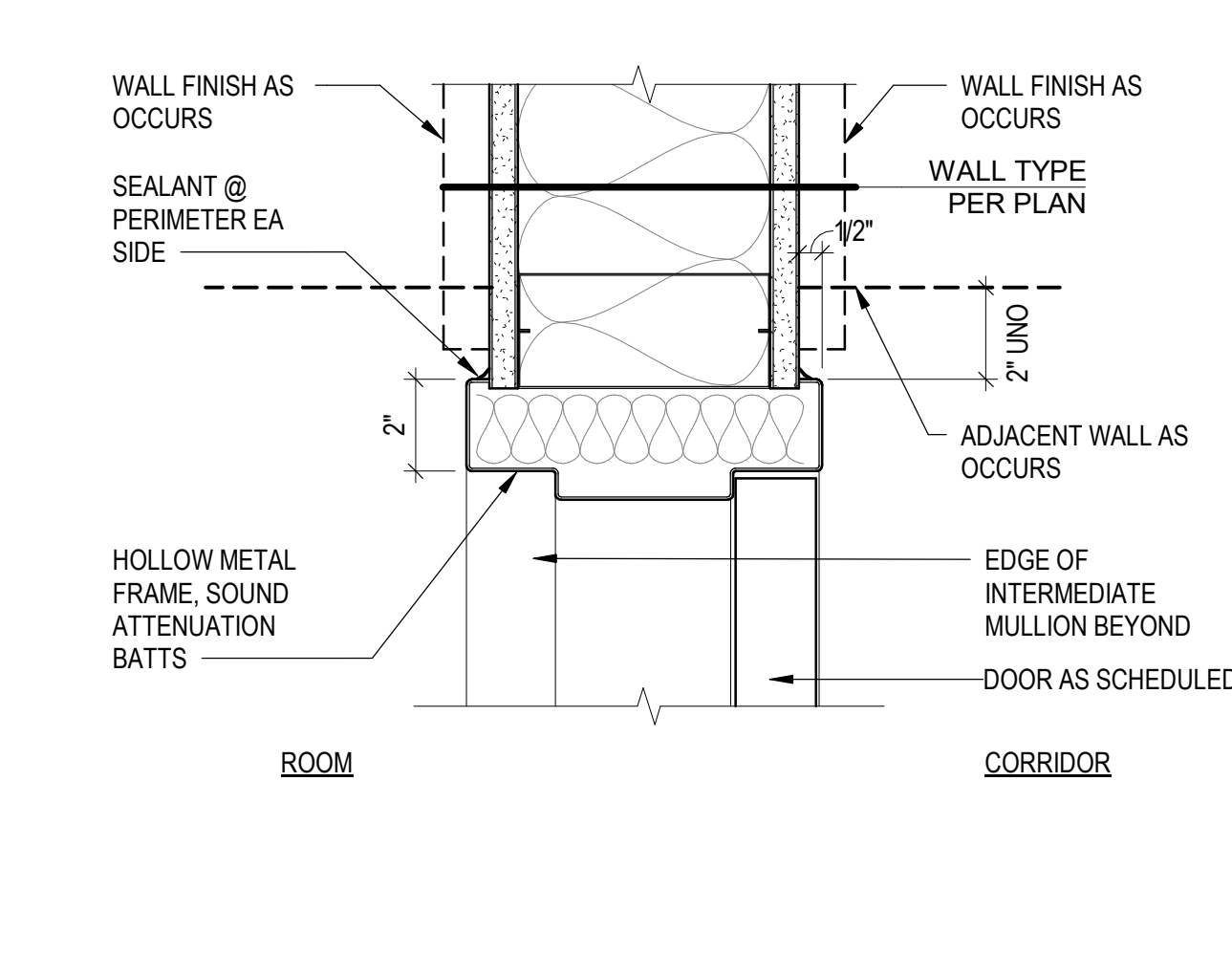
14 COILING DOOR JAMB
SCALE: 3" = 1'-0"



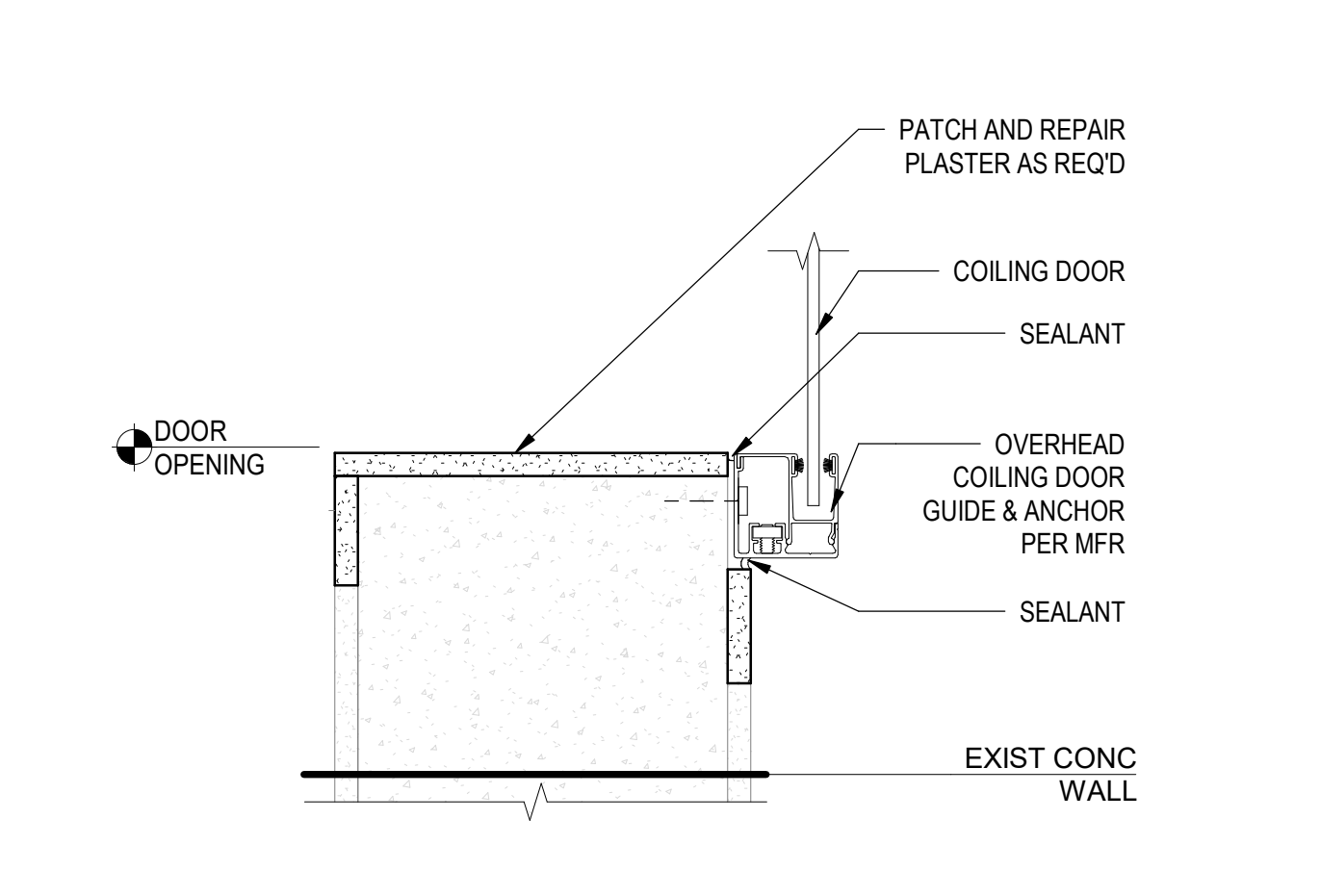
10 HM HEAD/JAMB @ EXT.
SCALE: 3" = 1'-0"



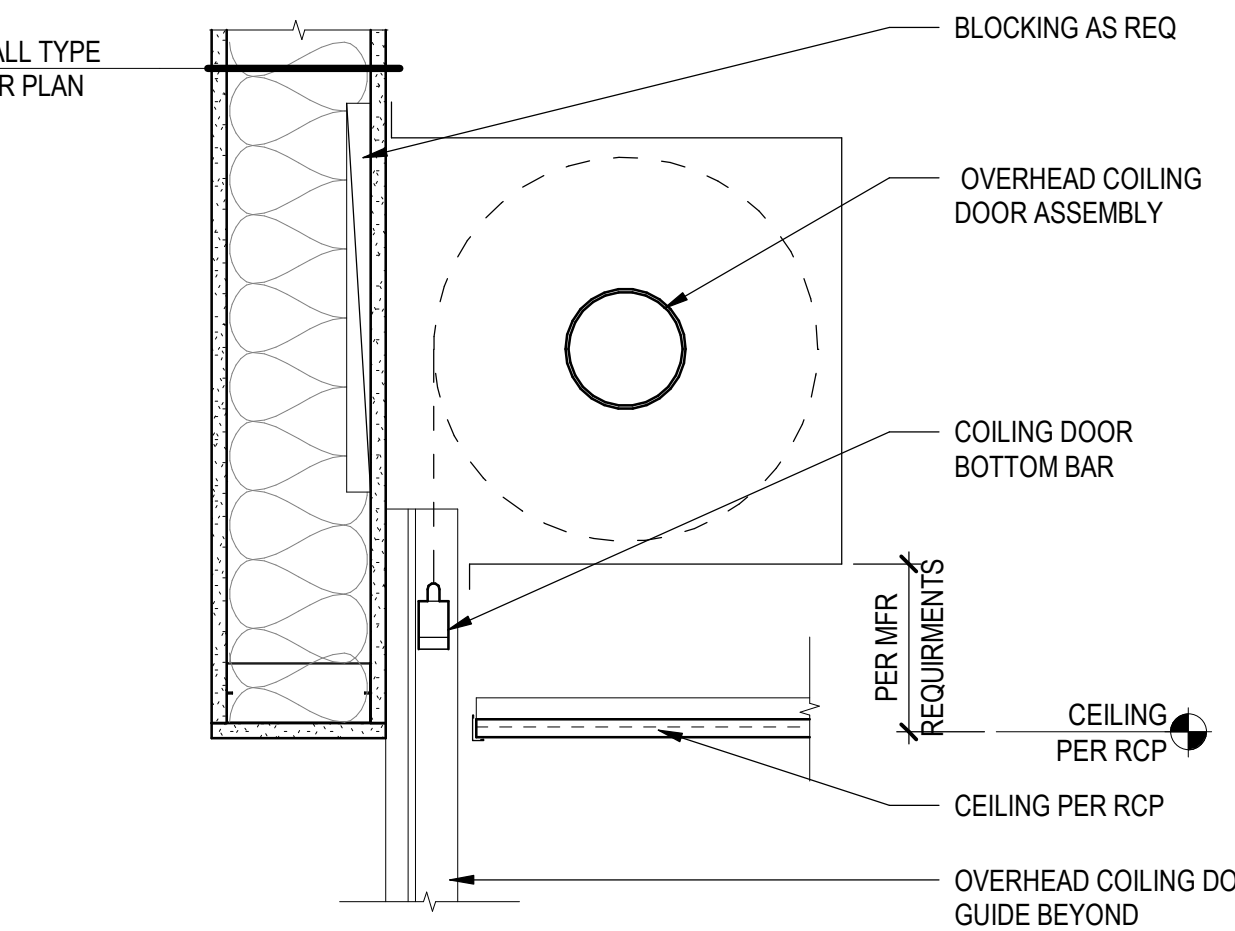
6 HM RELITE HEAD/JAMB @ GWB INT
SCALE: 3" = 1'-0"



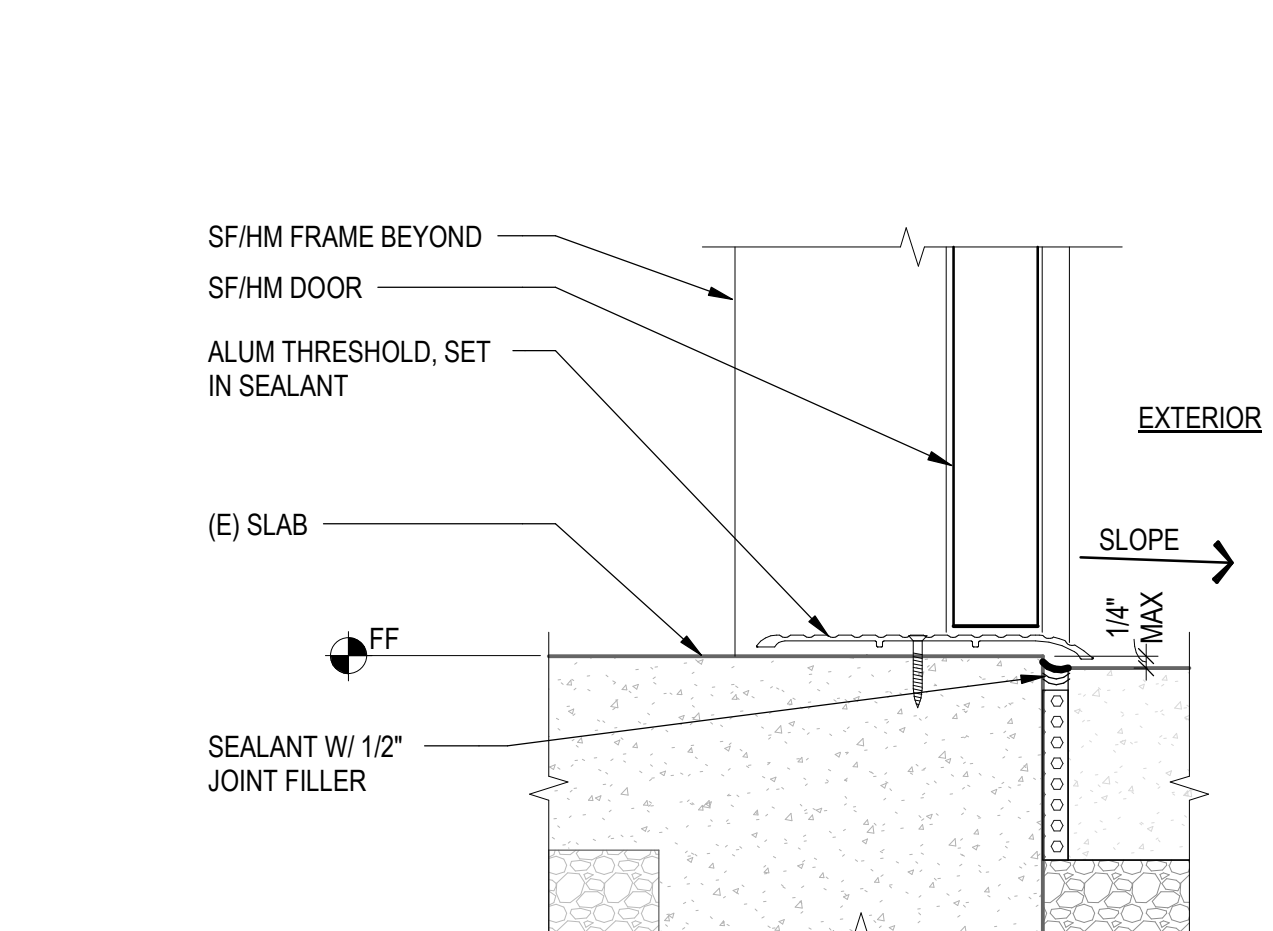
2 HM HEAD/JAMB @ GWB INT
SCALE: 3" = 1'-0"



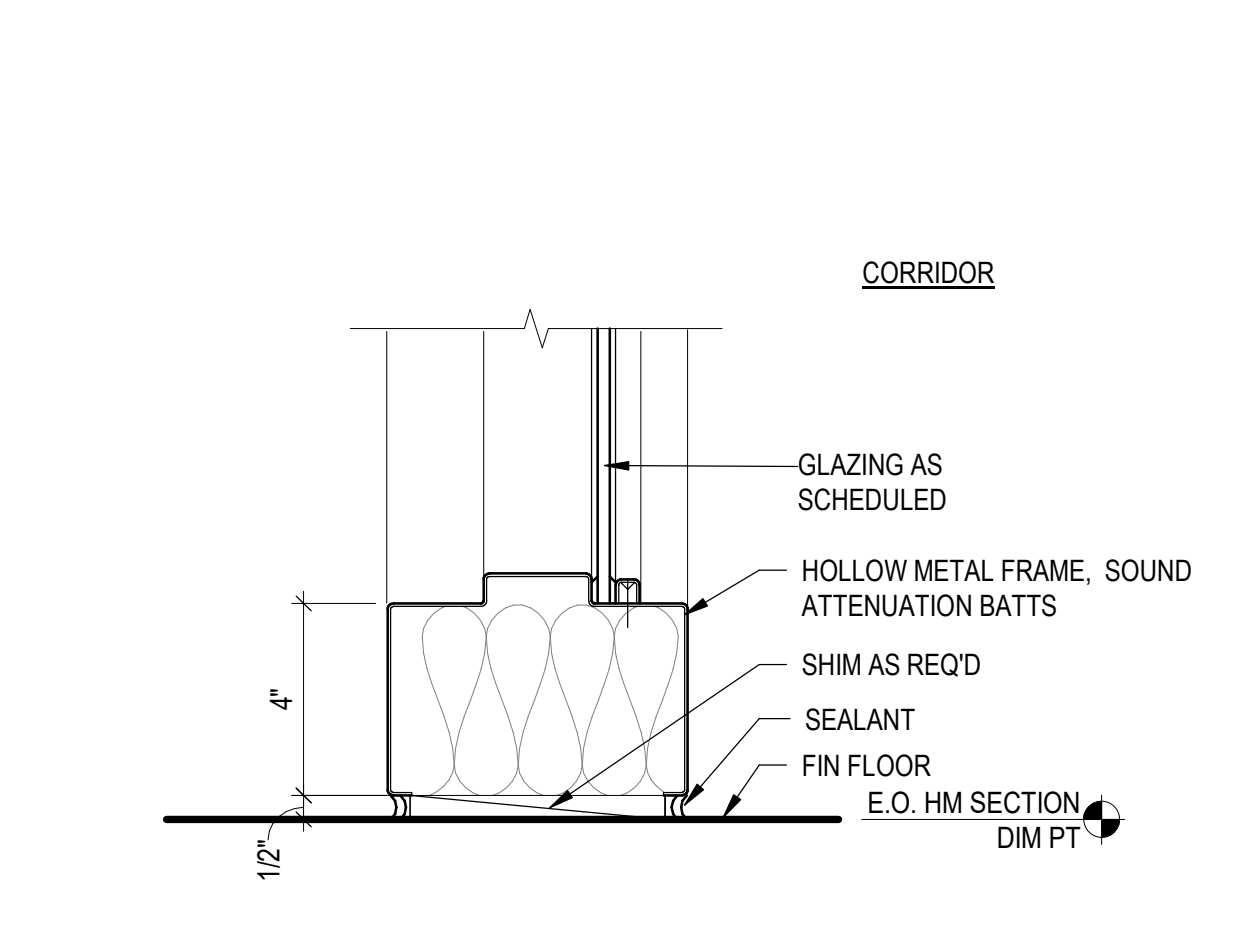
19 COILING COUNTER DOOR JAMB @ CONC
SCALE: 3" = 1'-0"



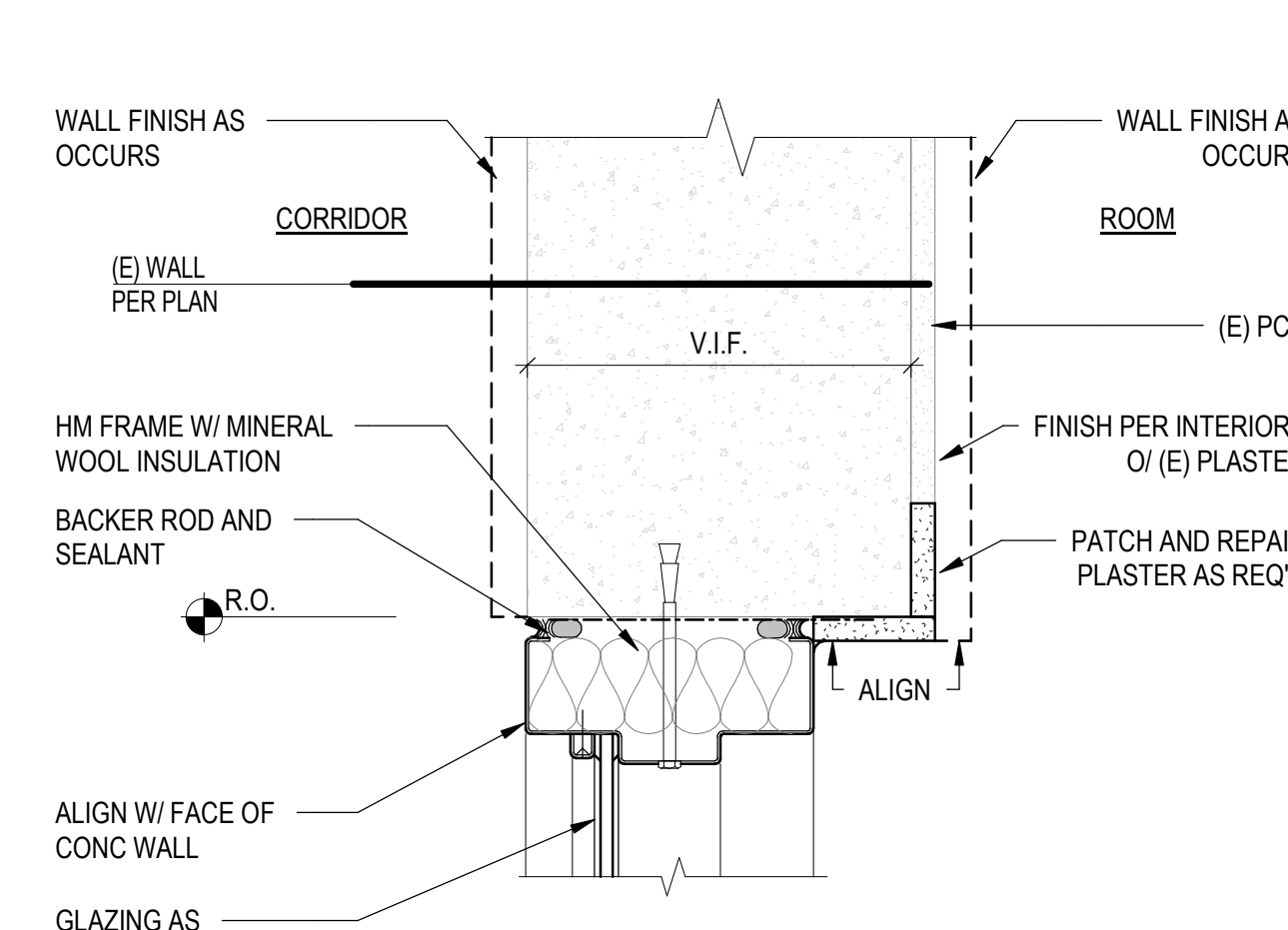
15 COILING COUNTER DOOR HEAD @ GWB
SCALE: 1 1/2" = 1'-0"



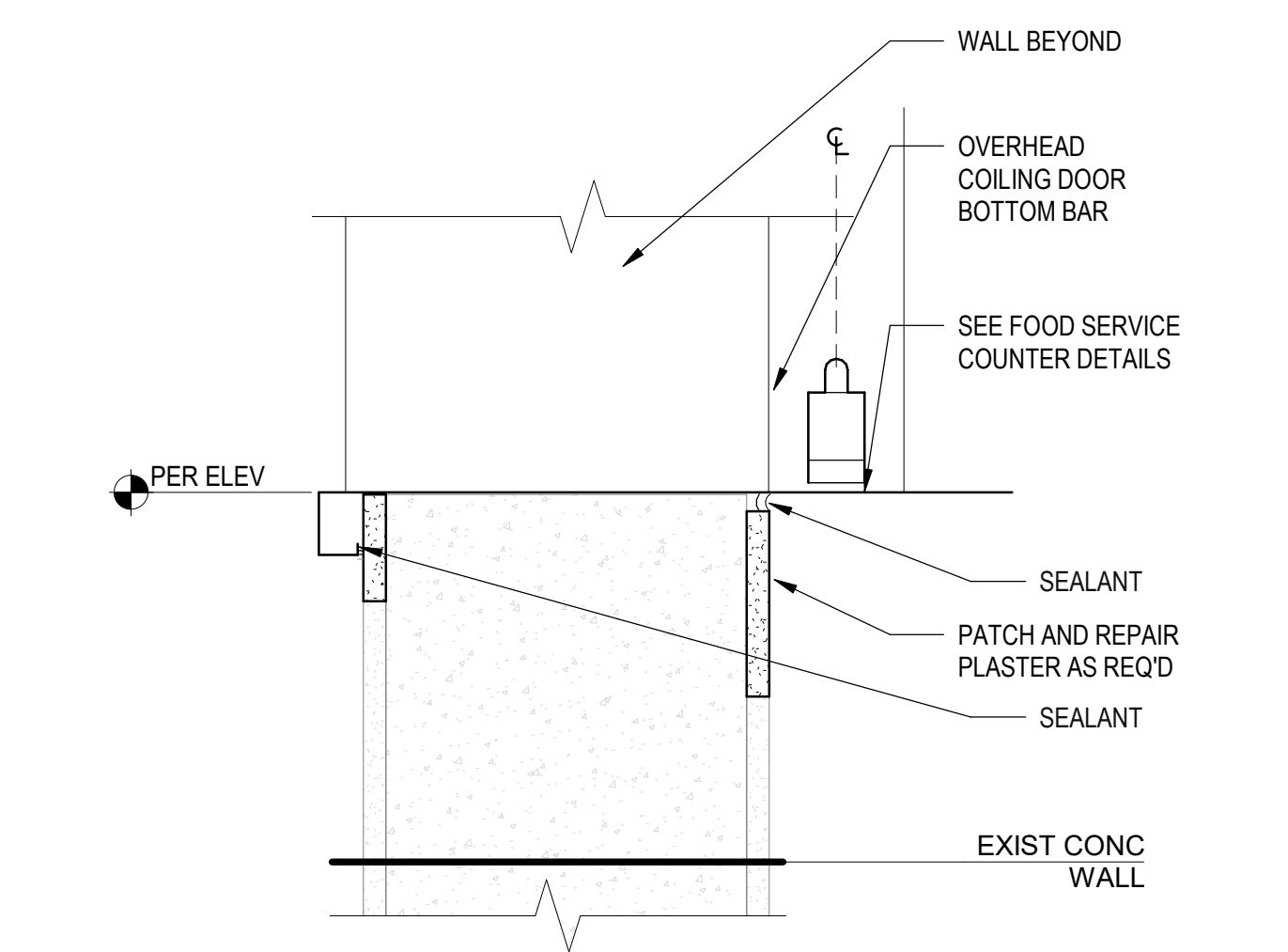
11 SF/HM DOOR THRESHOLD @ EXT.
SCALE: 3" = 1'-0"



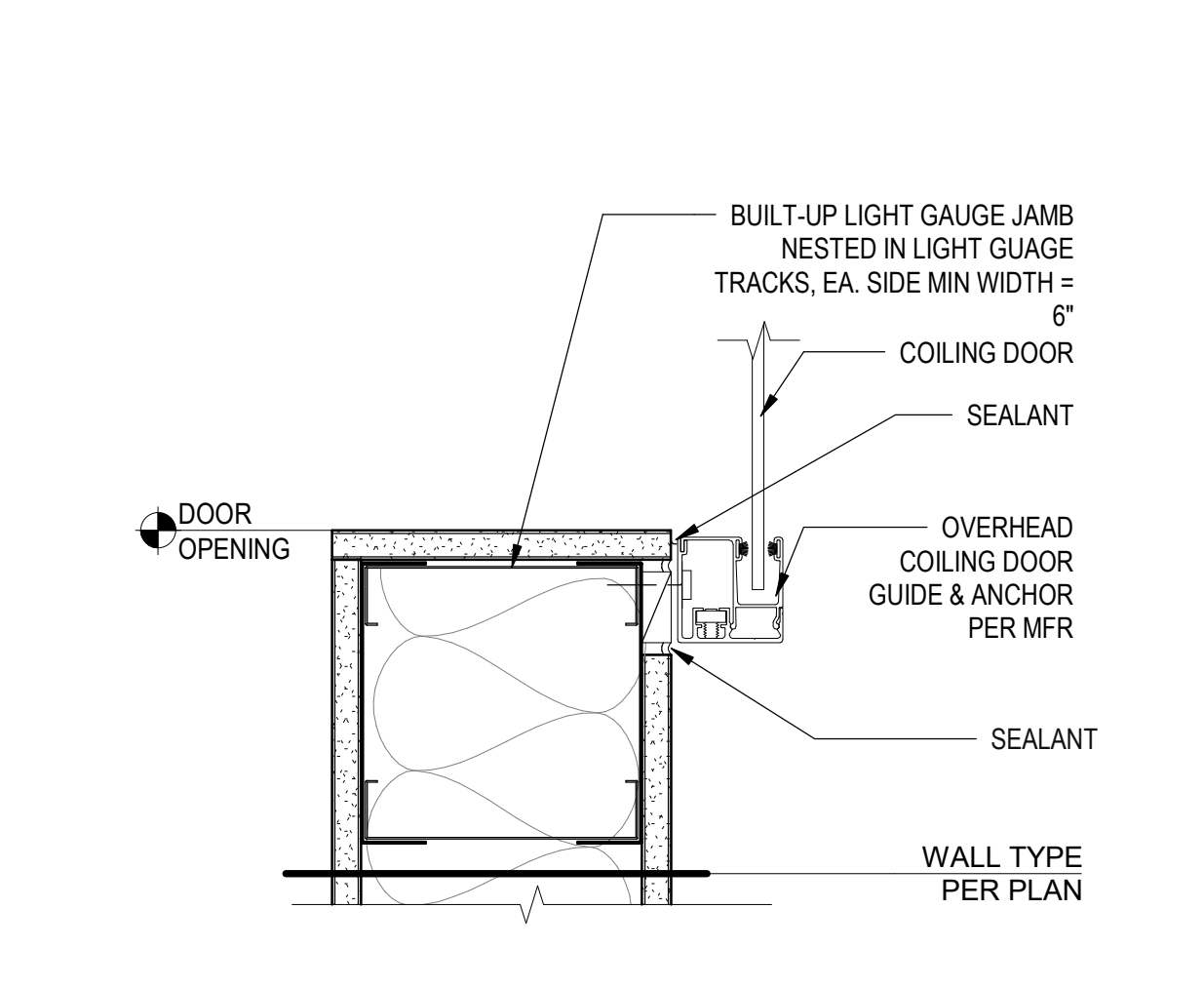
7 HM RELITE SILL @ GWB INT FLOOR
SCALE: 3" = 1'-0"



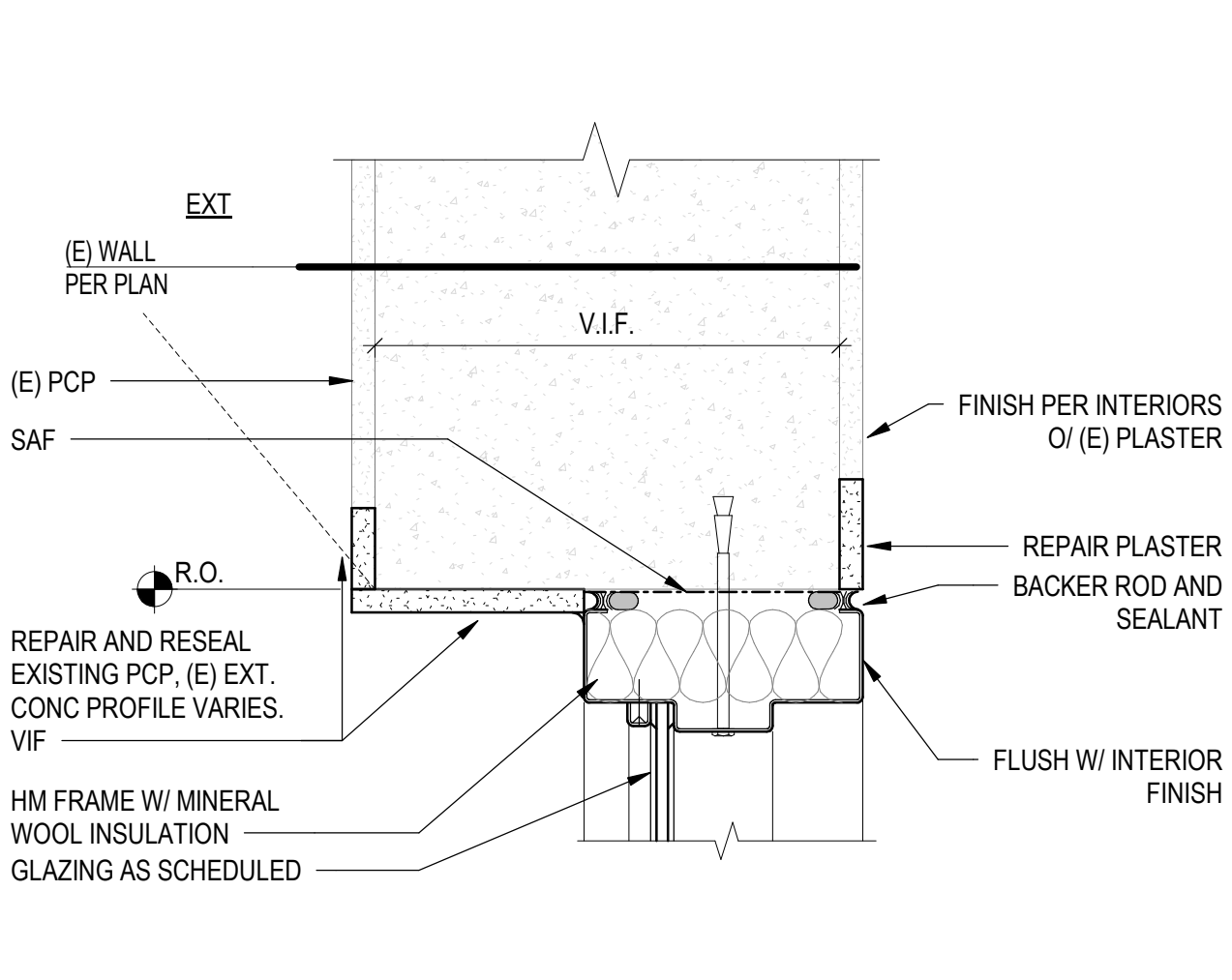
3 HM RELITE HEAD/JAMB @ CONC INT
SCALE: 3" = 1'-0"



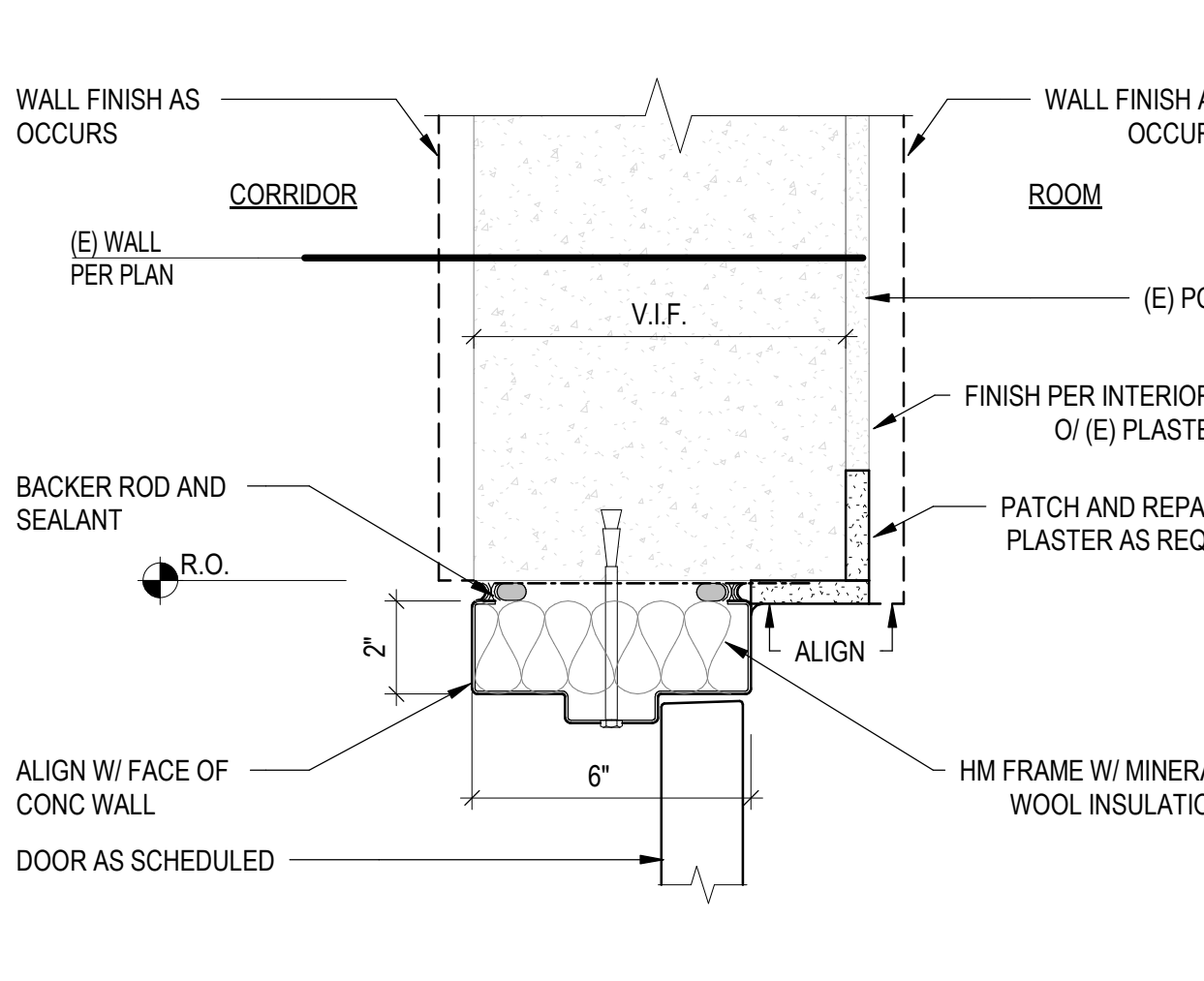
20 COILING COUNTER DOOR SILL @ CONC
SCALE: 3" = 1'-0"



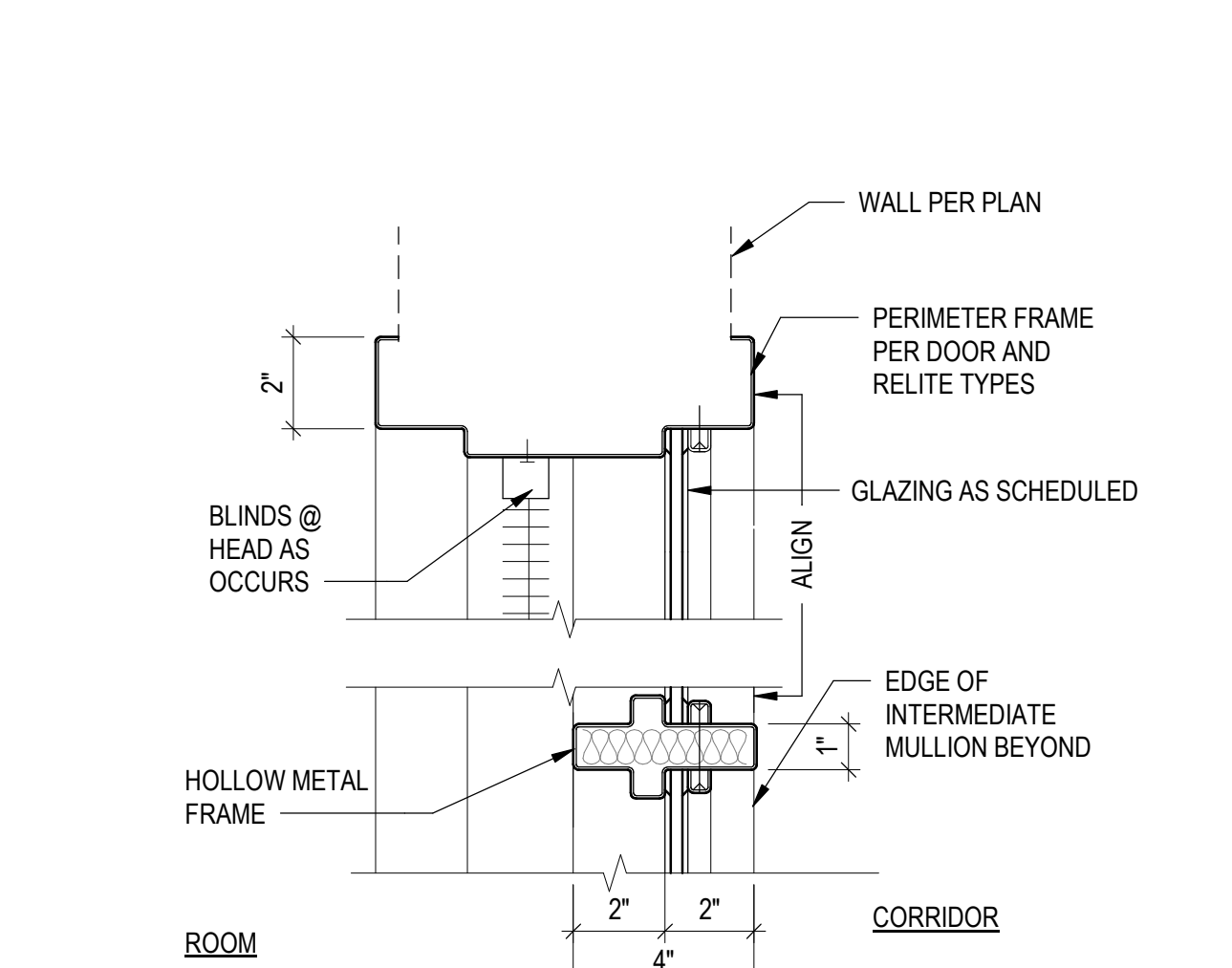
16 COILING COUNTER DOOR JAMB @ GWB
SCALE: 3" = 1'-0"



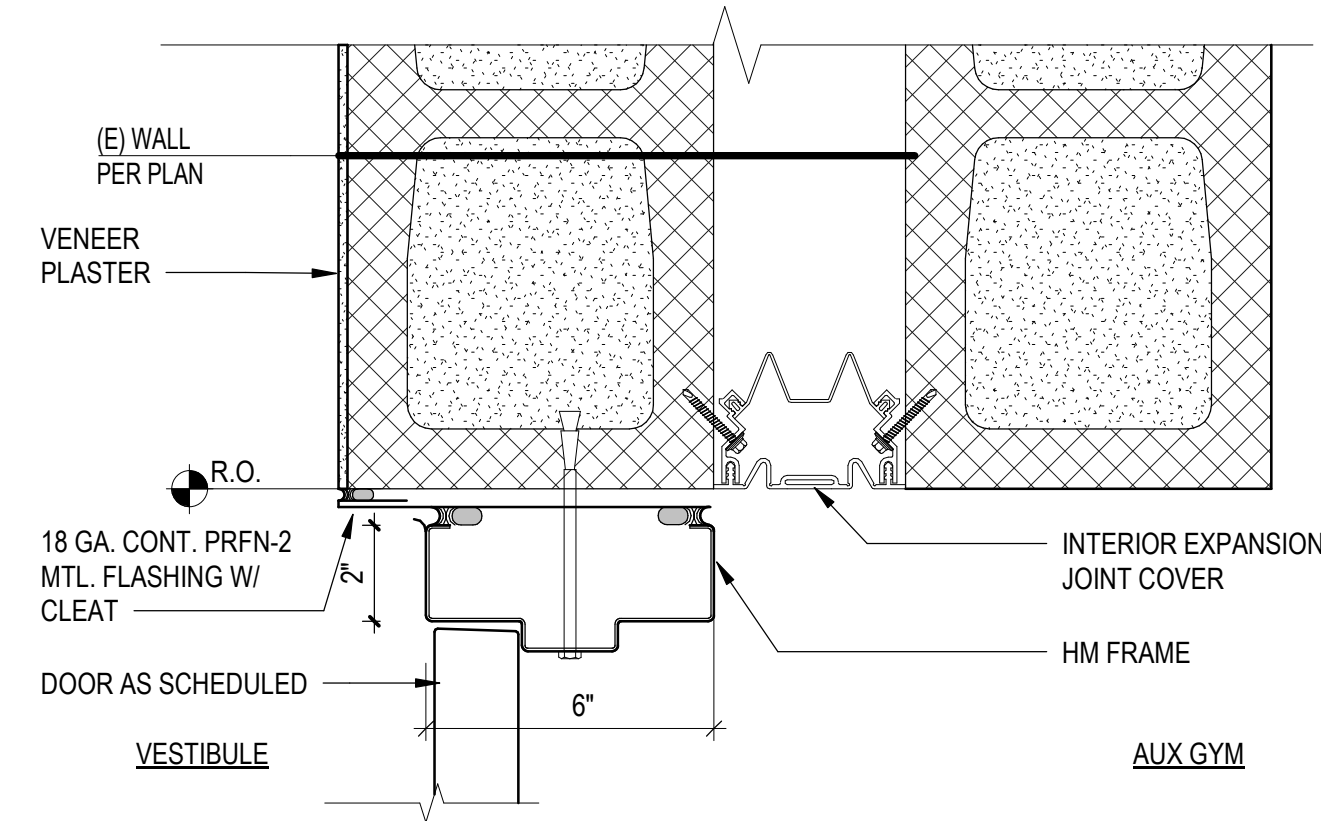
12 HM RELITE HEAD/JAMB @ EXT. CONC.
SCALE: 3" = 1'-0"



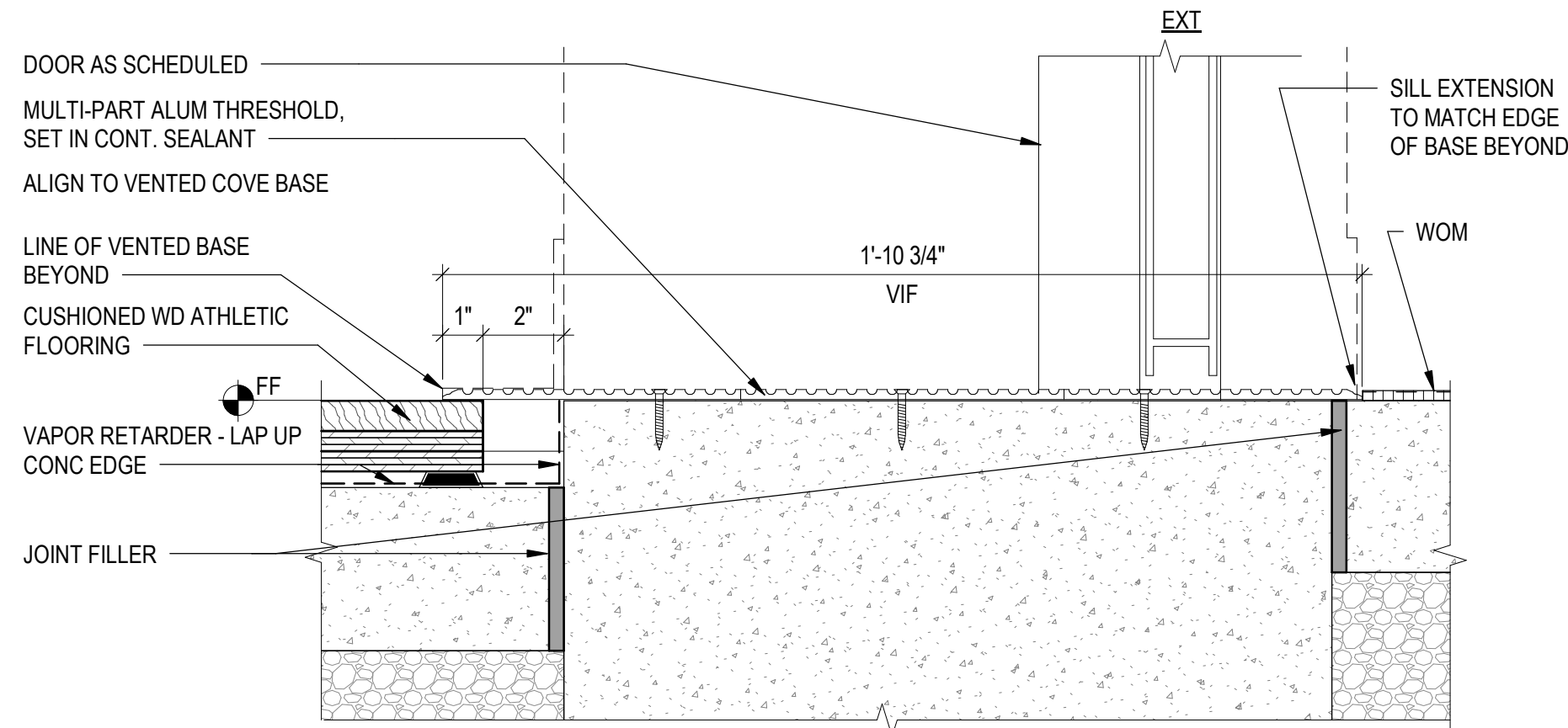
8 HM HEAD/JAMB @ CONC INT
SCALE: 3" = 1'-0"



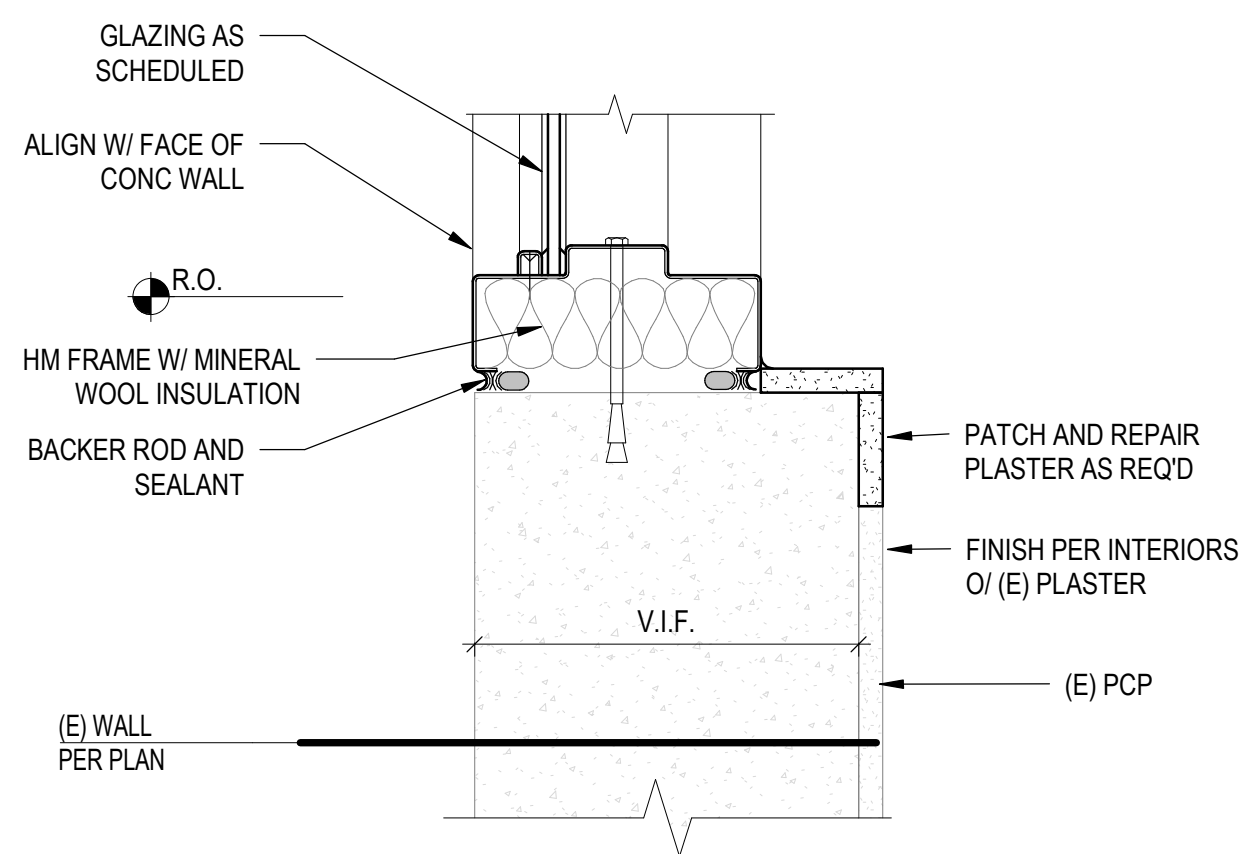
4 HM RELITE INTERMEDIATE MULLION
SCALE: 3" = 1'-0"



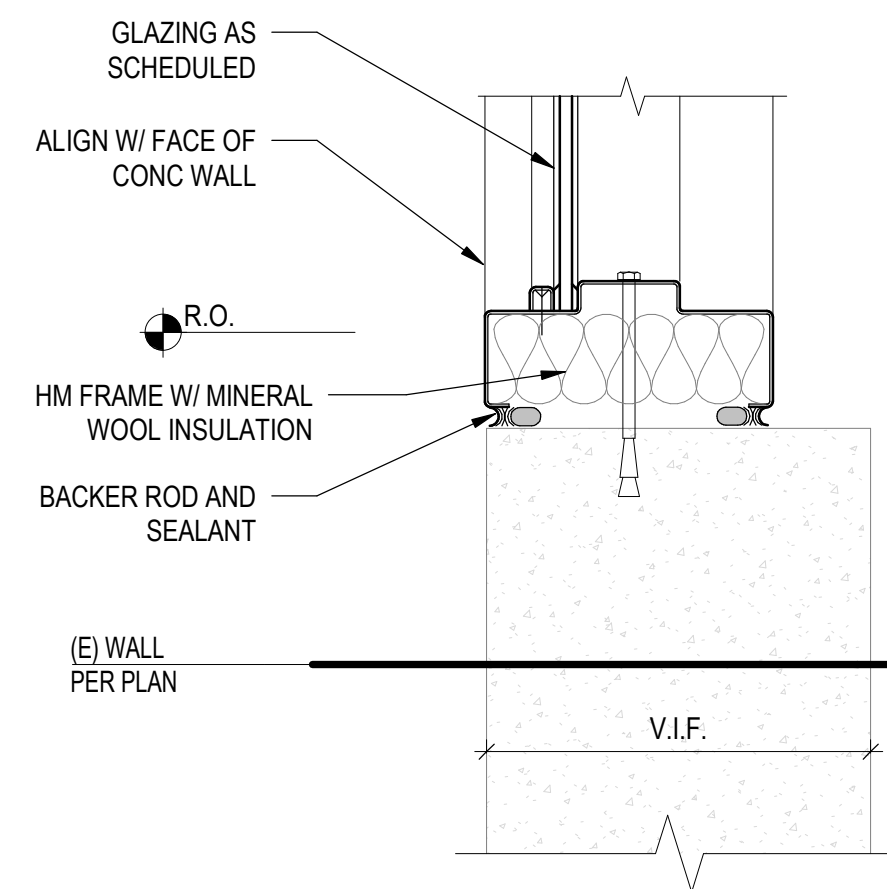
9 HM HEAD/JAMB @ EXPANSION JOINT
SCALE: 3" = 1'-0"



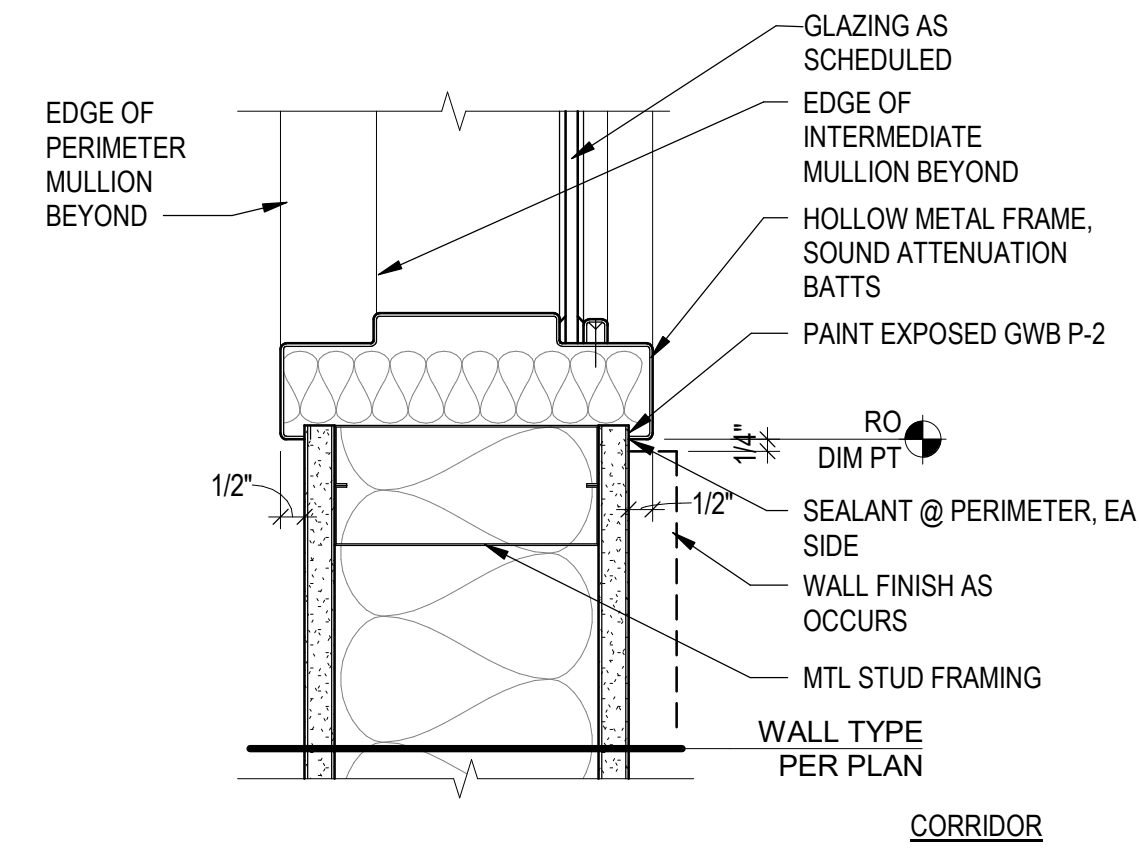
14 HM DOOR THRESHOLD @ GYM FLOOR
SCALE: 3" = 1'-0"



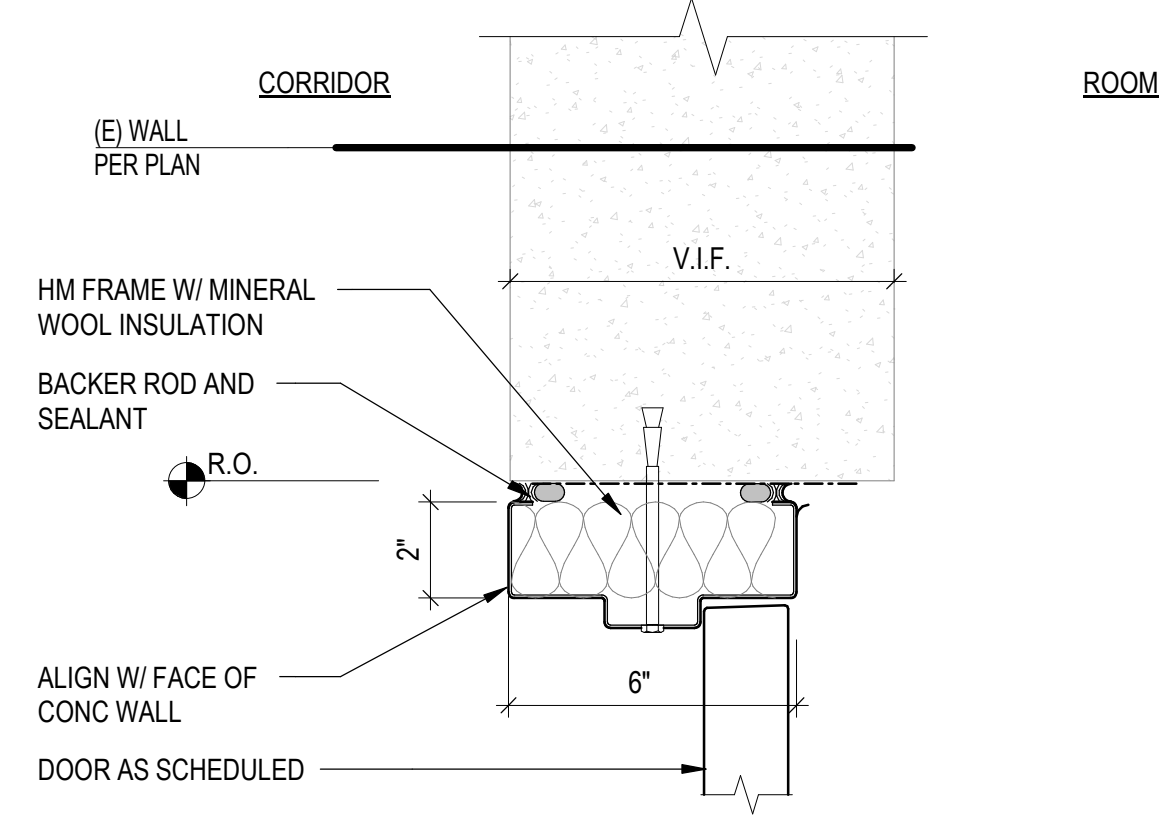
6 HM RELITE SILL
SCALE: 3" = 1'-0"



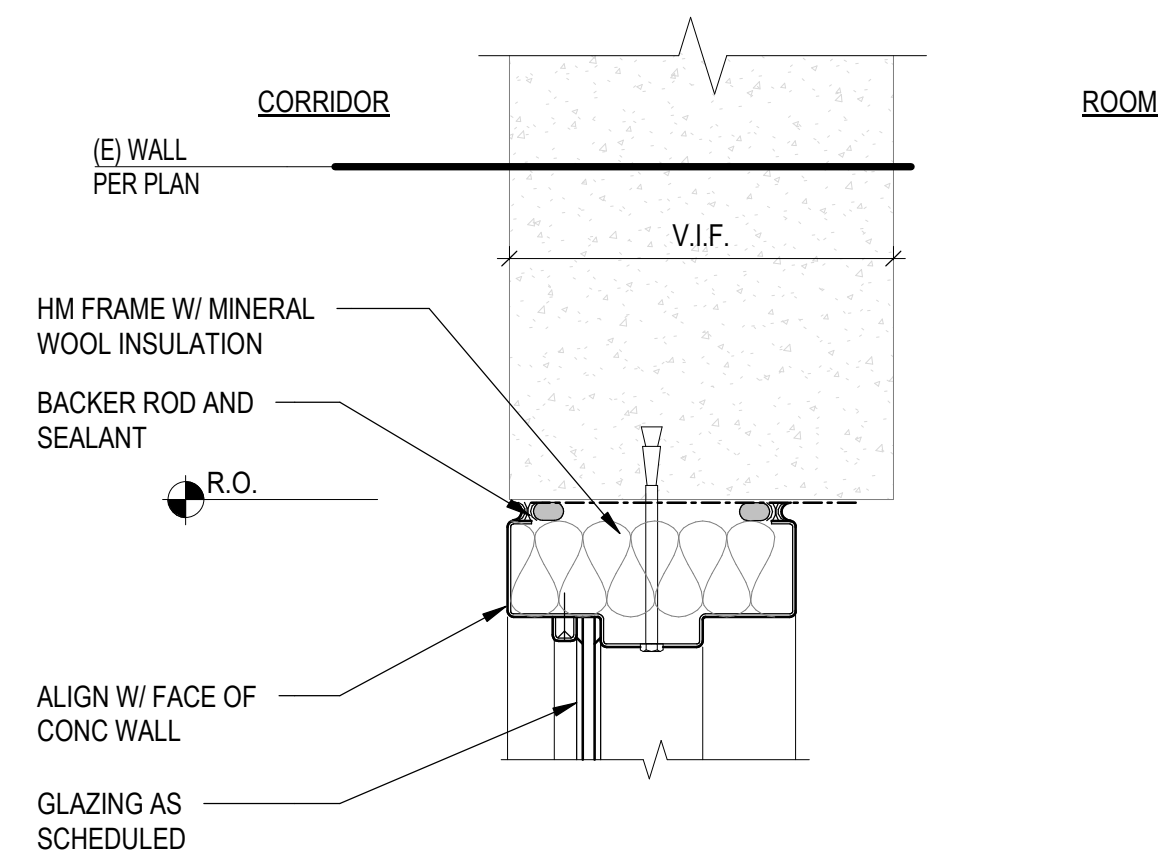
7 HM RELITE SILL @ CONC INT
SCALE: 3" = 1'-0"



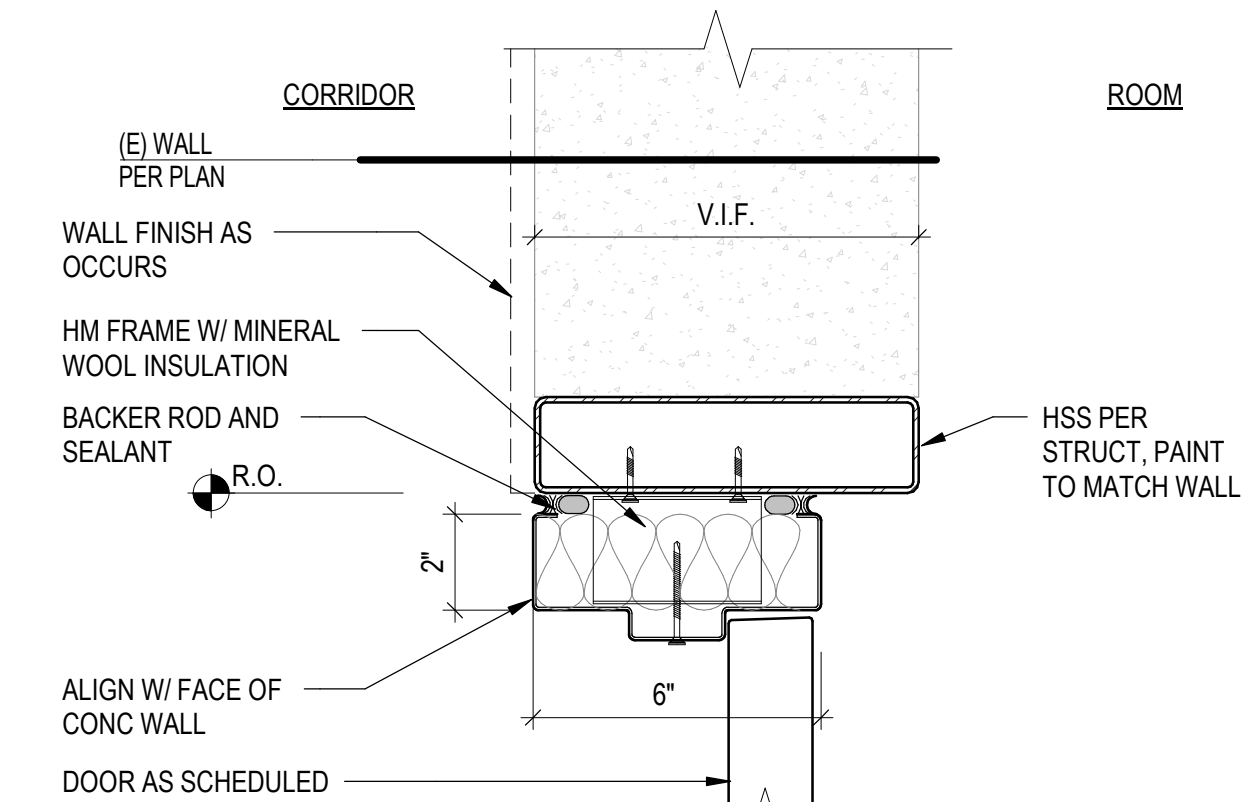
8 HM RELITE SILL @ GWB INT
SCALE: 3" = 1'-0"



1 HM HEAD/JAMB @ CONC INT
SCALE: 3" = 1'-0"



2 HM RELITE HEAD/JAMB @ CONC INT
SCALE: 3" = 1'-0"

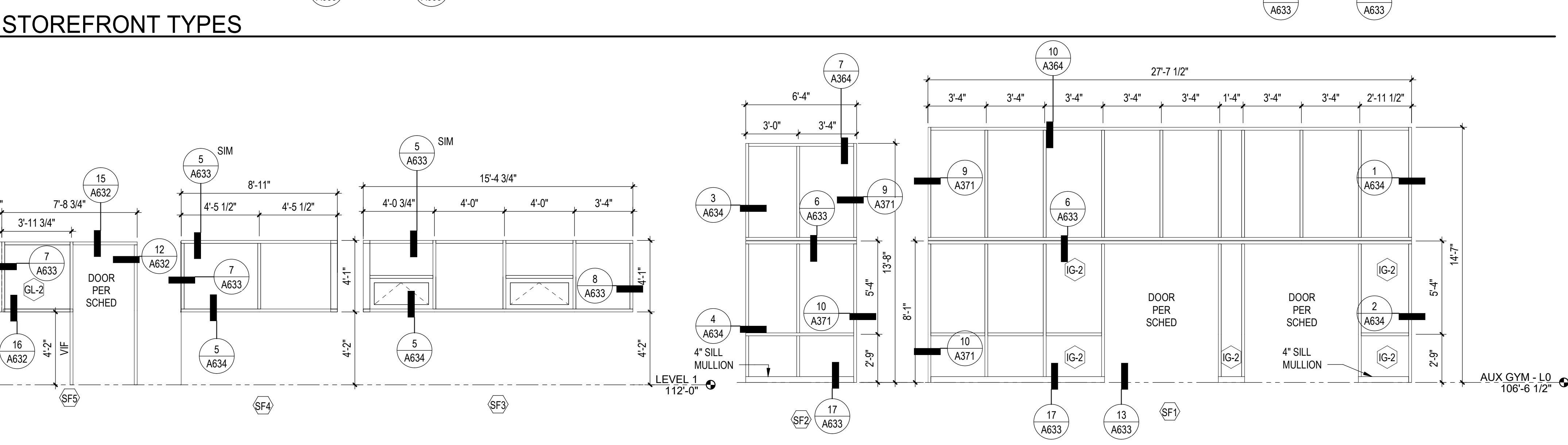
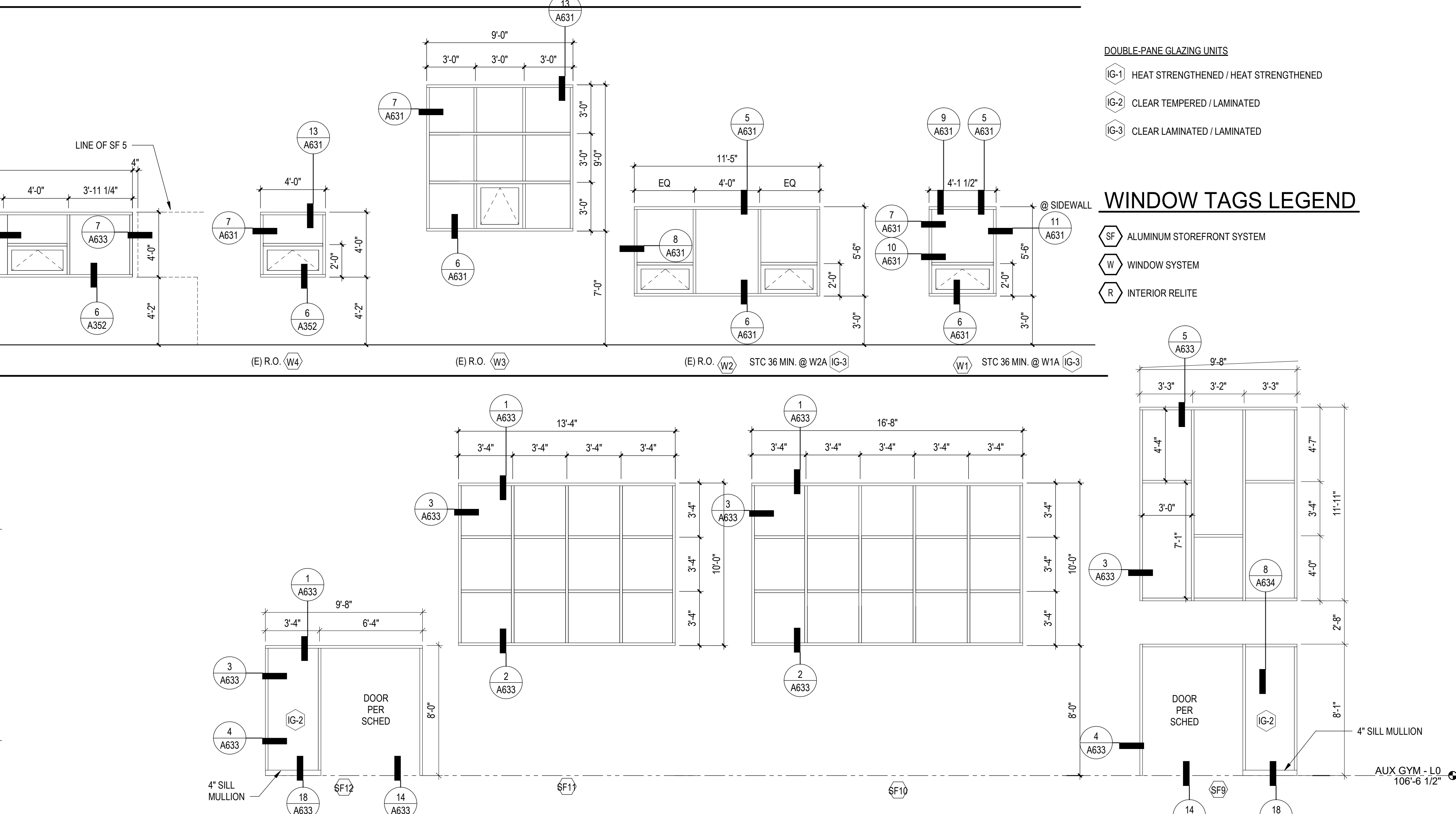
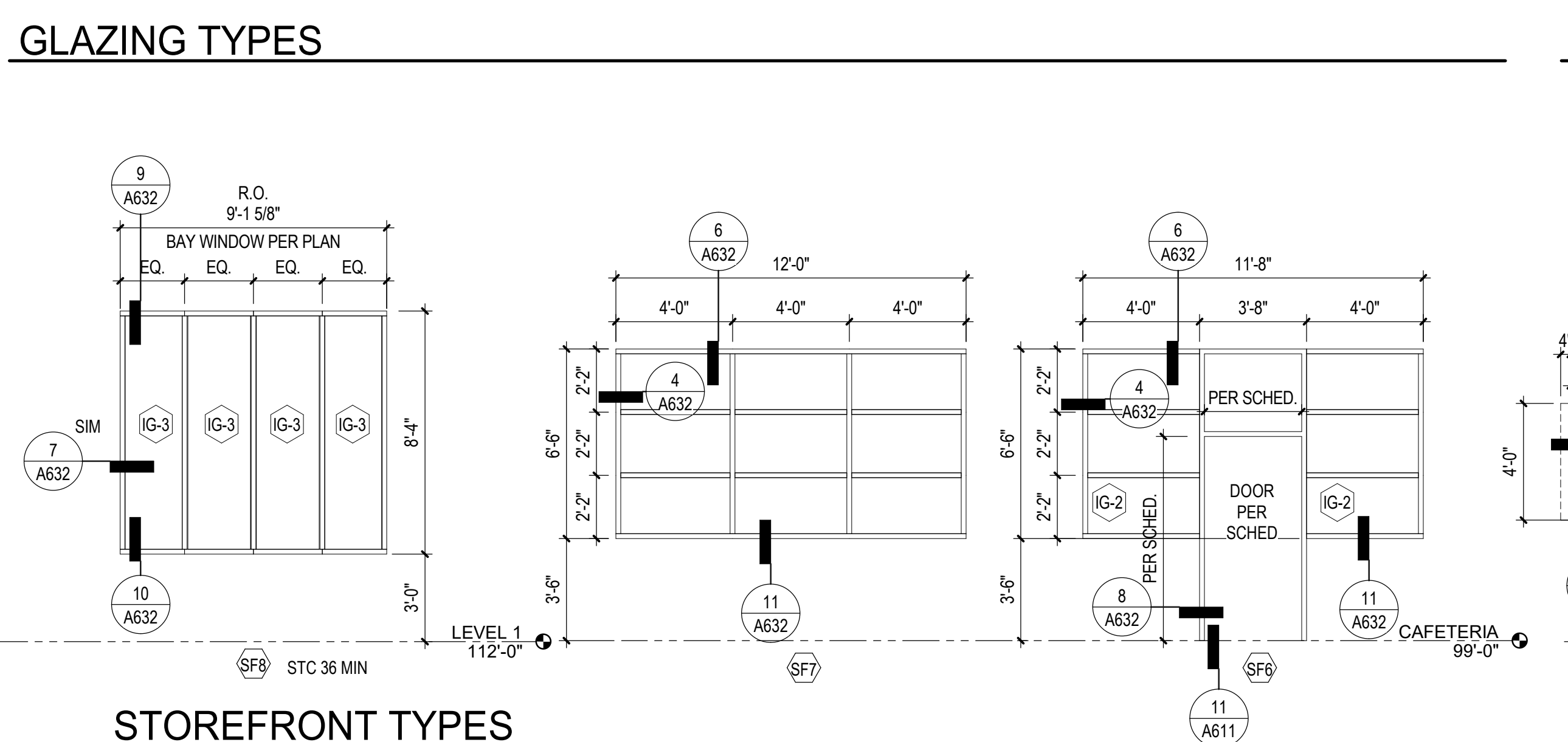
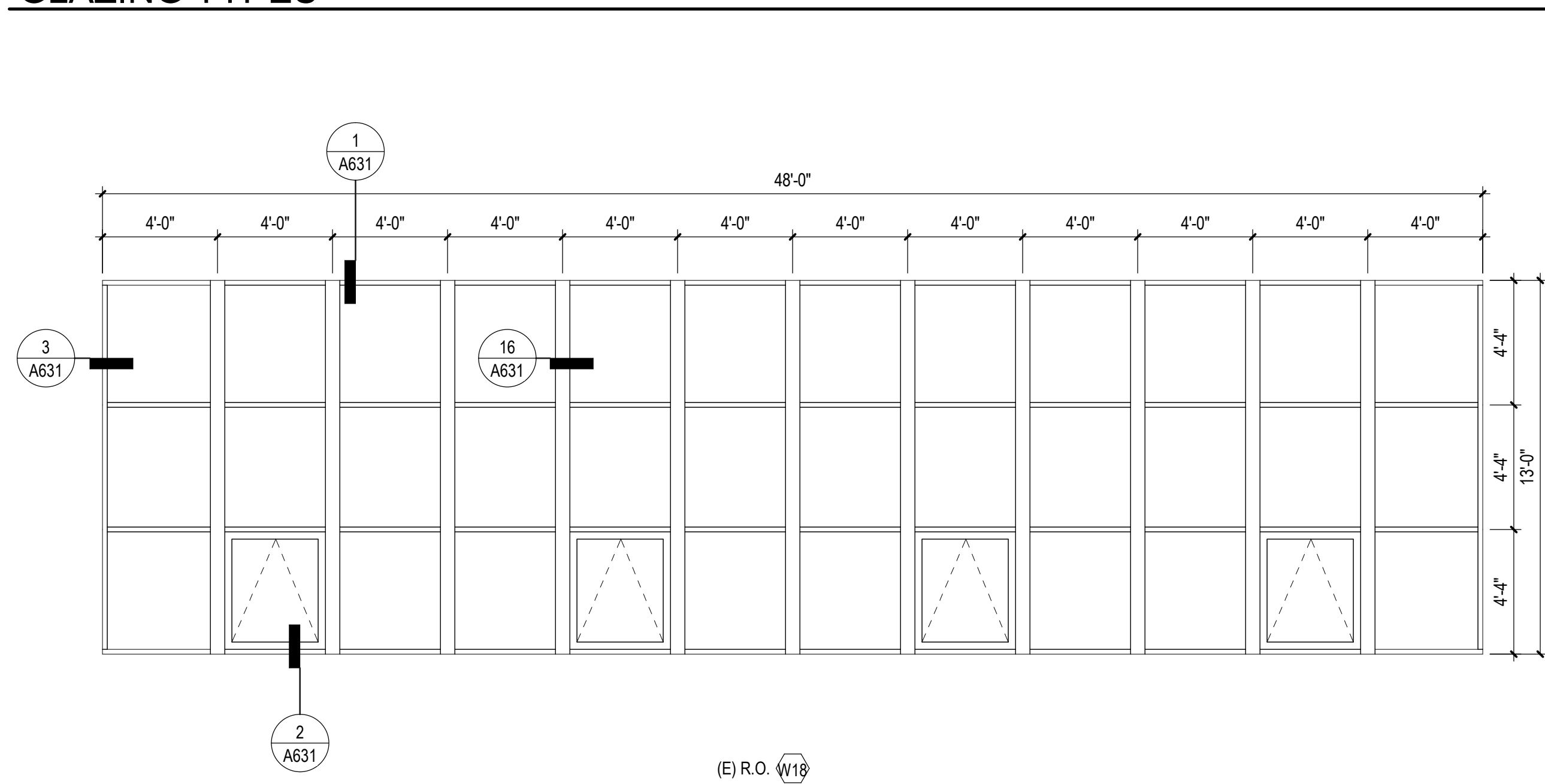
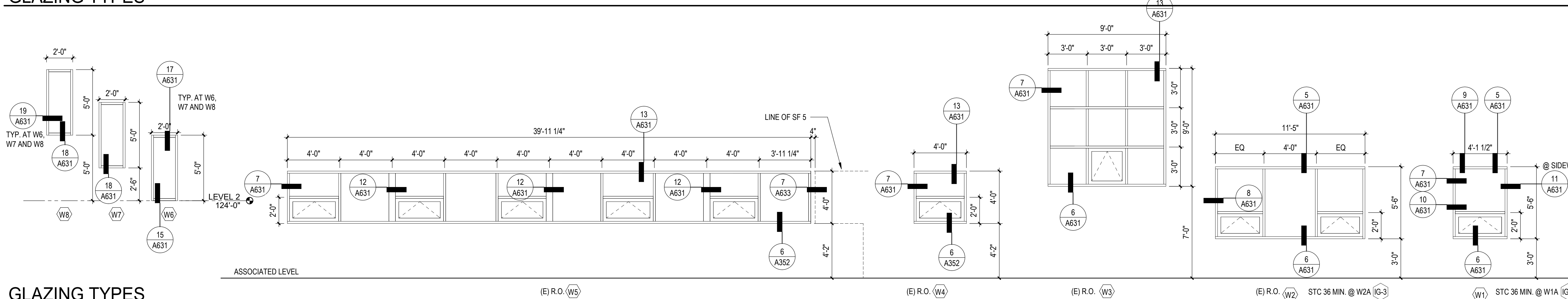
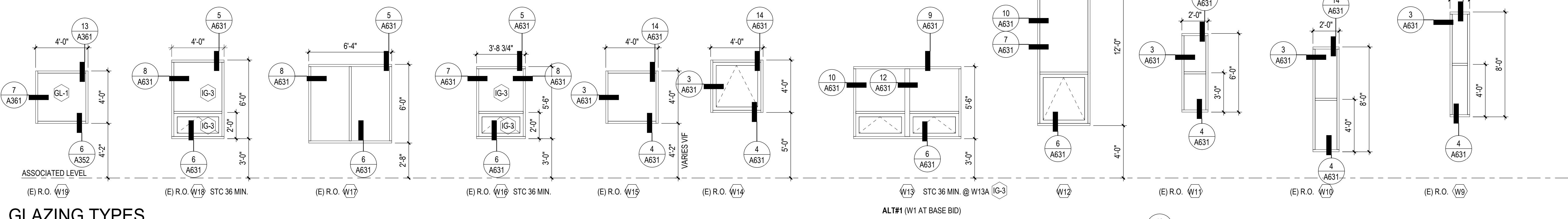
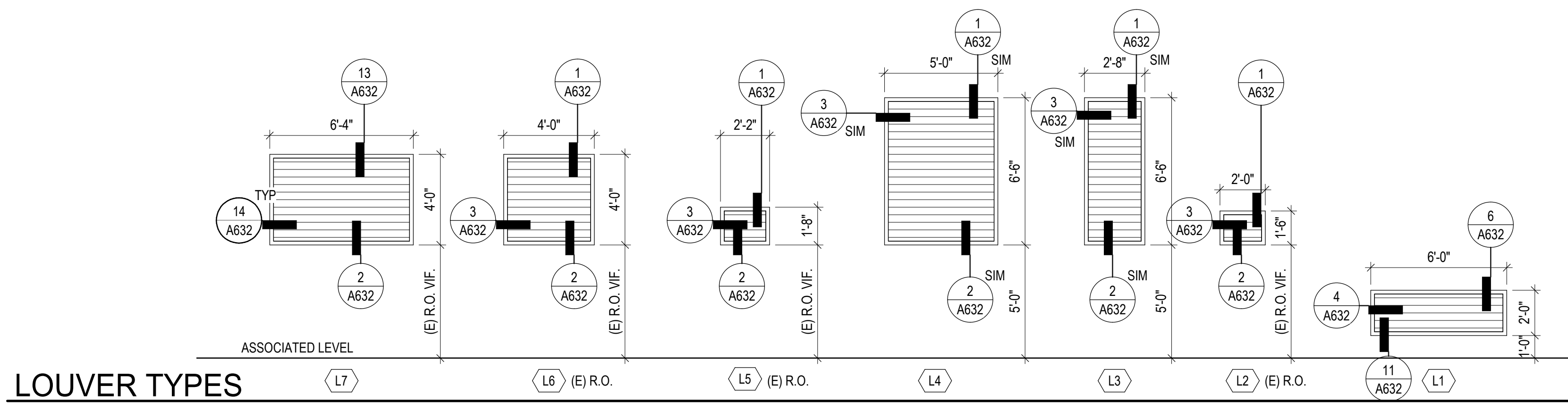


3 HM HEAD/JAMB @ CONC INT
SCALE: 3" = 1'-0"

Date:	05/28/2021	
Job No.:	21938.00	
Drawn By:	KF	
Checked by:	MT	
Revisions		
#	Date	Description

DOOR AND
RELITE DETAILS

A612



GENERAL NOTES

- OVERALL WINDOW DIMENSIONS ARE TO ROUGH OPENING
- WINDOW DIMENSIONS TO INTERMEDIATE MULLIONS ARE TO MULLION CENTERLINE, EXCEPT AT DOORS, WHICH ARE TO INSIDE CLEAR DIMENSION
- EXTERIOR GLAZING SHALL BE IG-1, UNLESS NOTED OTHERWISE.
- INTERIOR GLAZING TO BE GL-1, UNLESS NOTED OTHERWISE.
- WHERE MULTIPLE GLAZING TYPES OCCUR, ADDITIONAL GLAZING TYPES ARE INDICATED BY A GLAZING TYPE TAG AND/OR ARROWS INDICATING LOCATIONS.
- HEAD, JAMB AND SILL DETAILS APPLY TO ENTIRE EDGE OF OPENING UNLESS NOTED OTHERWISE
- SEE SPECIFICATIONS FOR ROLLERSHADE LOCATIONS.
- OVERALL DIMENSIONS ARE FOR REFERENCE ONLY. FIELD MEASURE OPENINGS TO DETERMINE ACTUAL DIMENSIONS. REFER TO DETAILS FOR DIMENSION POINT REFERENCES TO ROUGH OR FINISHED OPENING.

GLAZING LEGEND

SINGLE-PANE GLAZING UNITS

- GL-1 CLEAR HEAT-STRENGTHENED 1/4"
- GL-2 CLEAR TEMPERED 1/4"
- GL-3 CLEAR TEMPERED 3/8"

DOUBLE-PANE GLAZING UNITS

- IG-1 HEAT STRENGTHENED / HEAT STRENGTHENED
- IG-2 CLEAR TEMPERED / LAMINATED
- IG-3 CLEAR LAMINATED / LAMINATED

WINDOW TAGS LEGEND

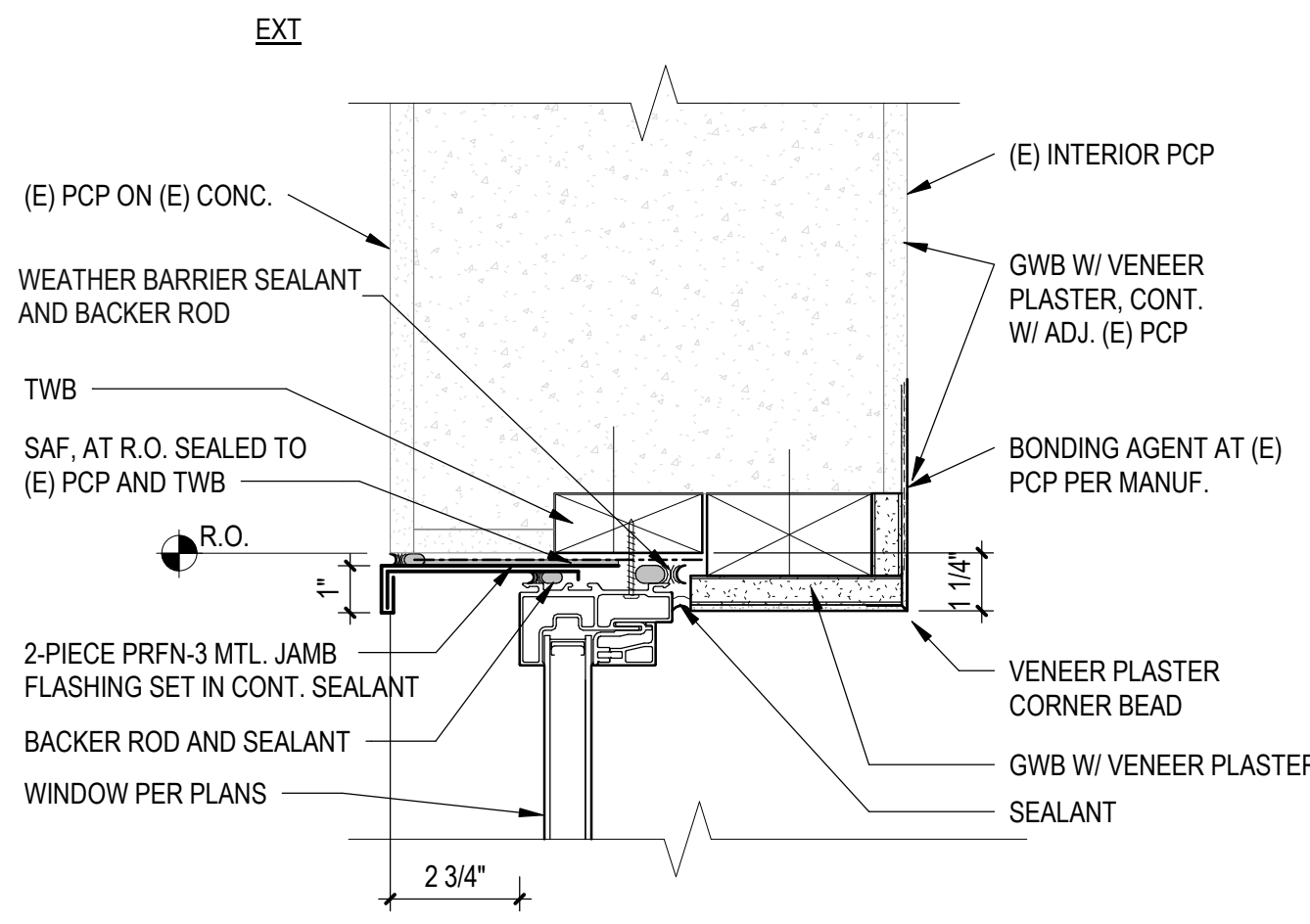
- SF ALUMINUM STOREFRONT SYSTEM
- W WINDOW SYSTEM
- R INTERIOR RELITE

KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION
 500 REDPATH ST, KELSO, WA 98626

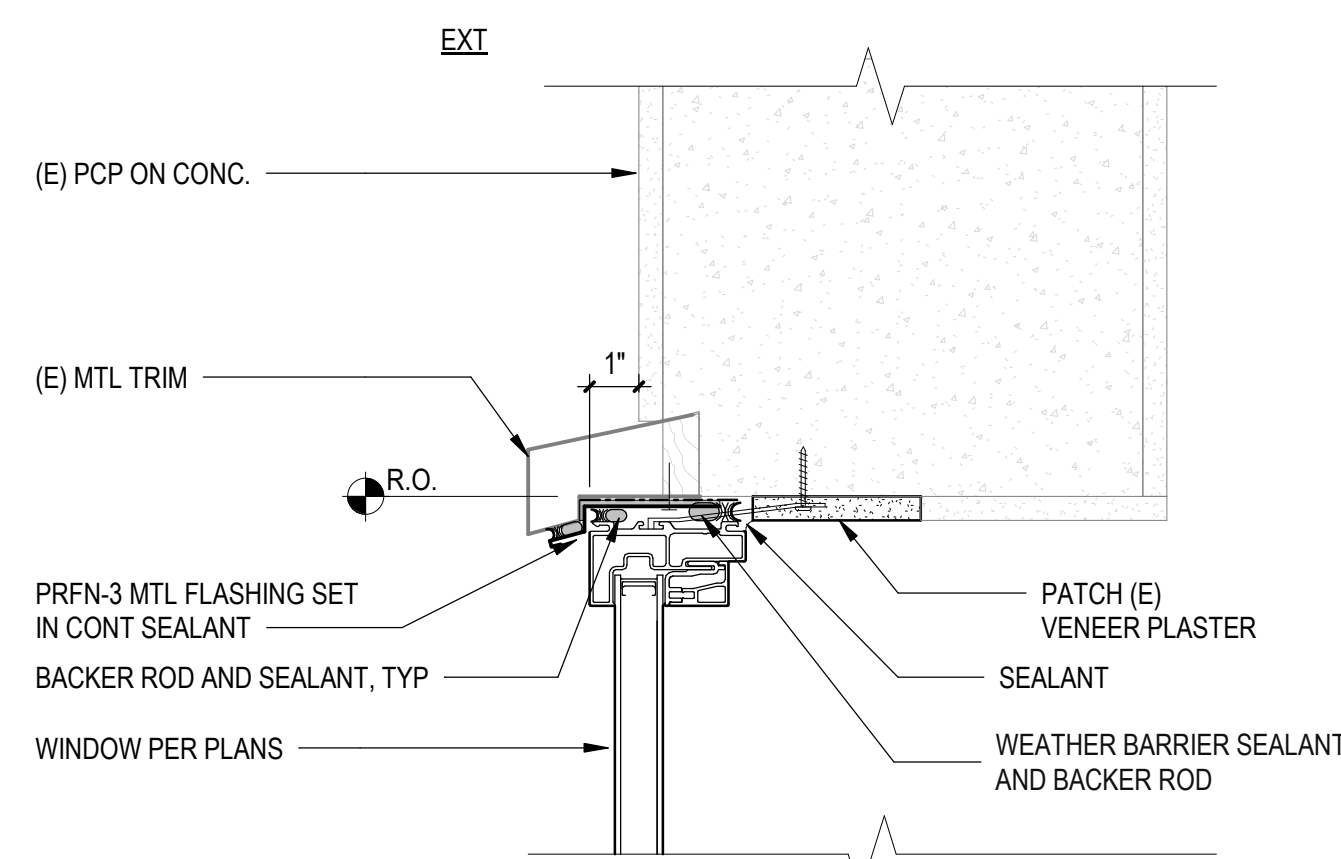
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Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

WINDOW TYPES

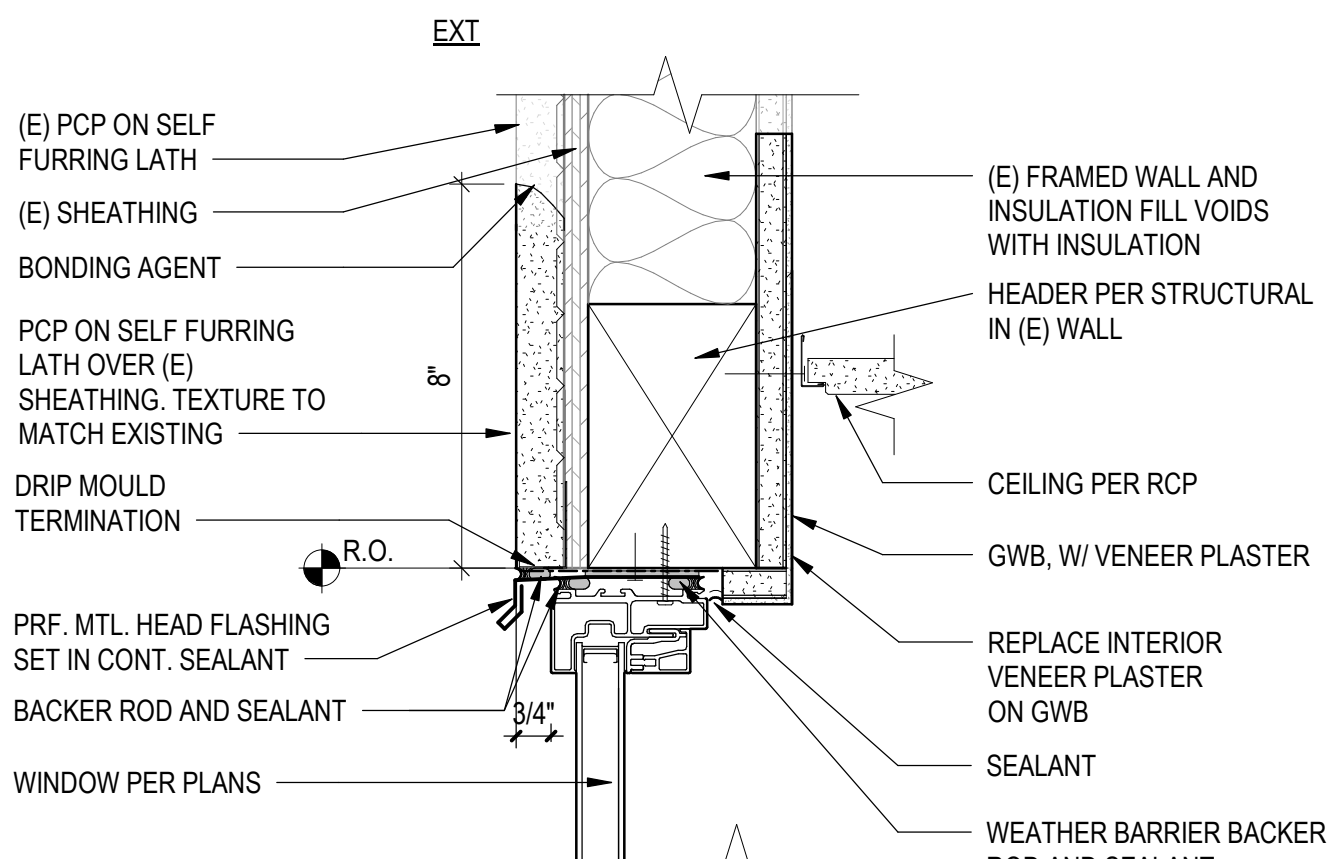
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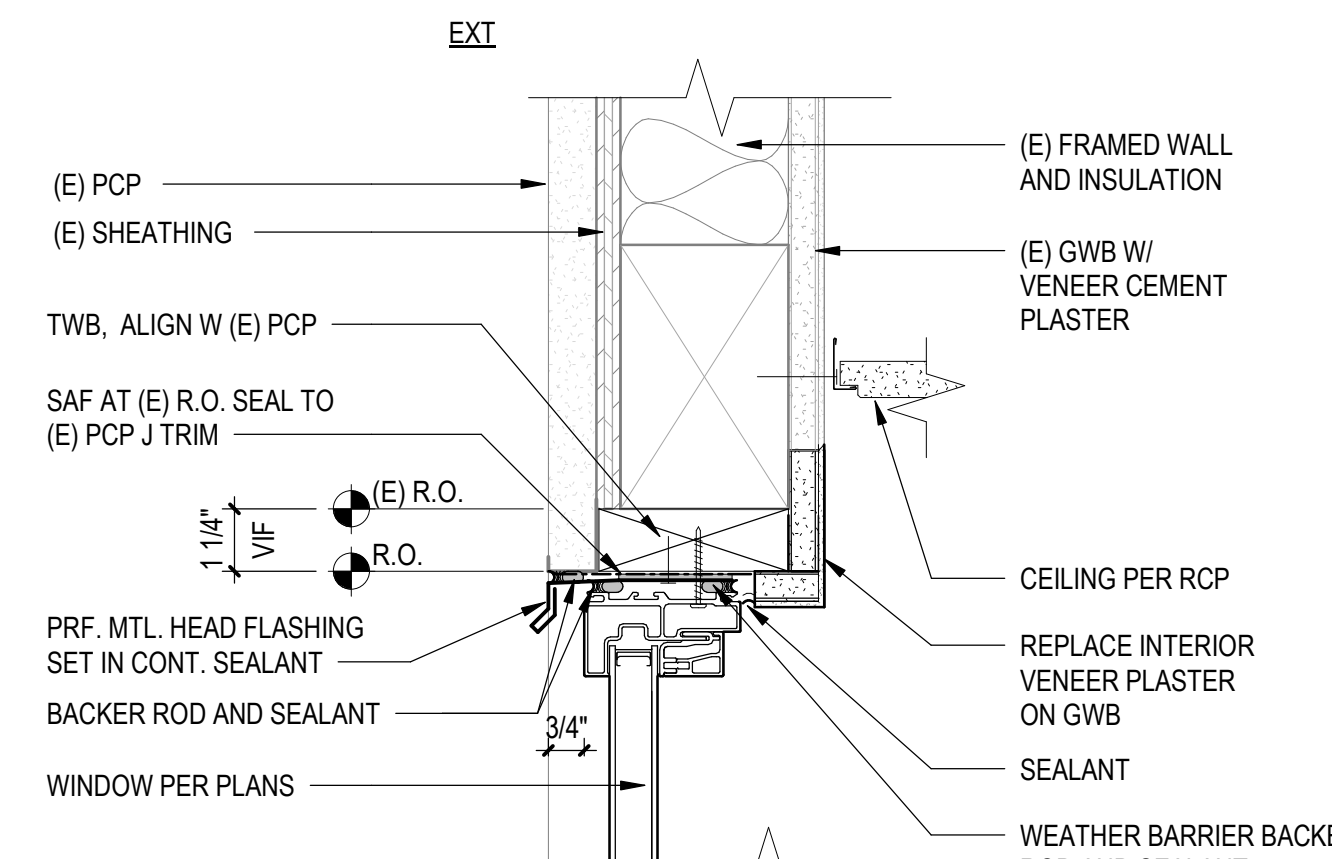
17 WINDOW AT INFILL - HEAD
SCALE: 3" = 1'-0"



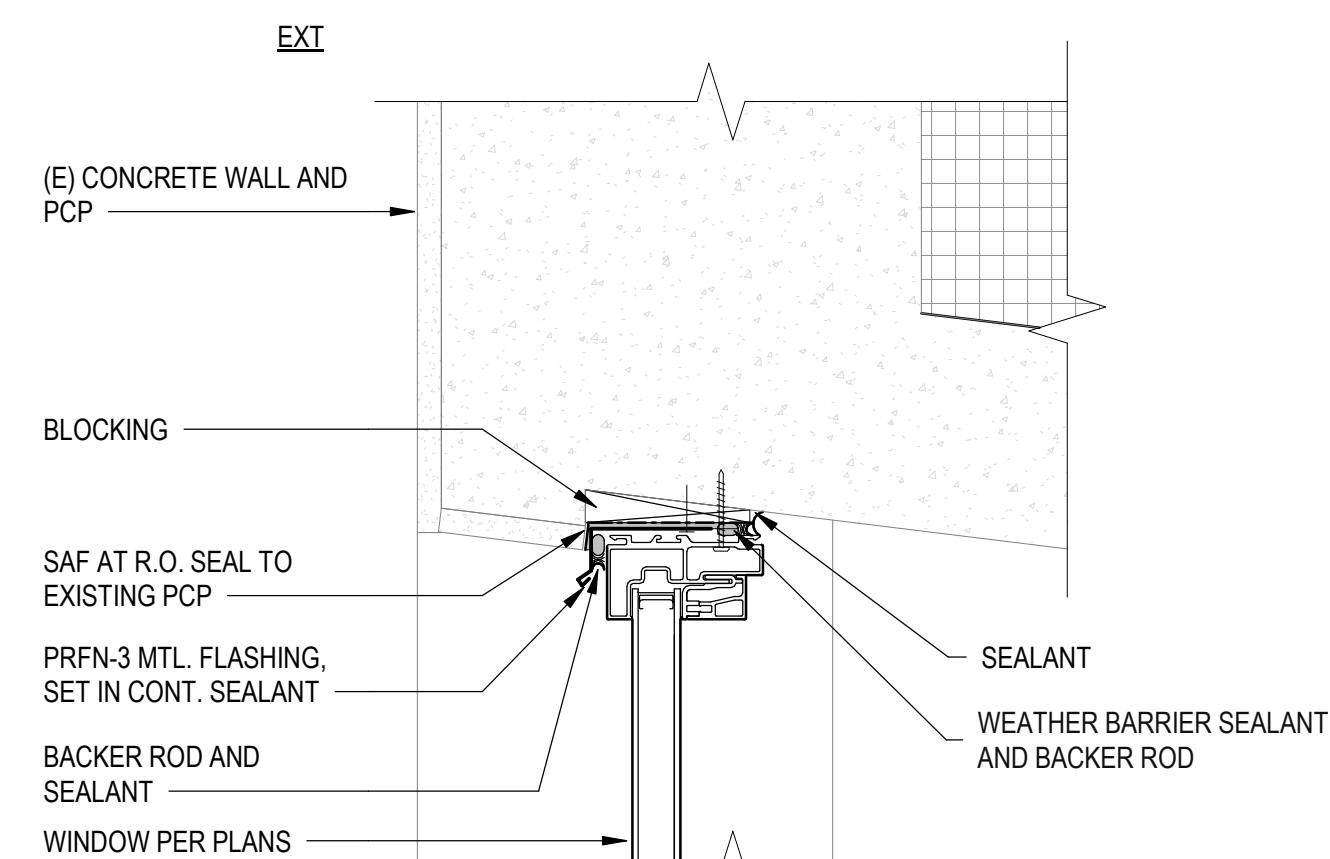
13 WINDOW HEAD @ MTL TRIM
SCALE: 3" = 1'-0"



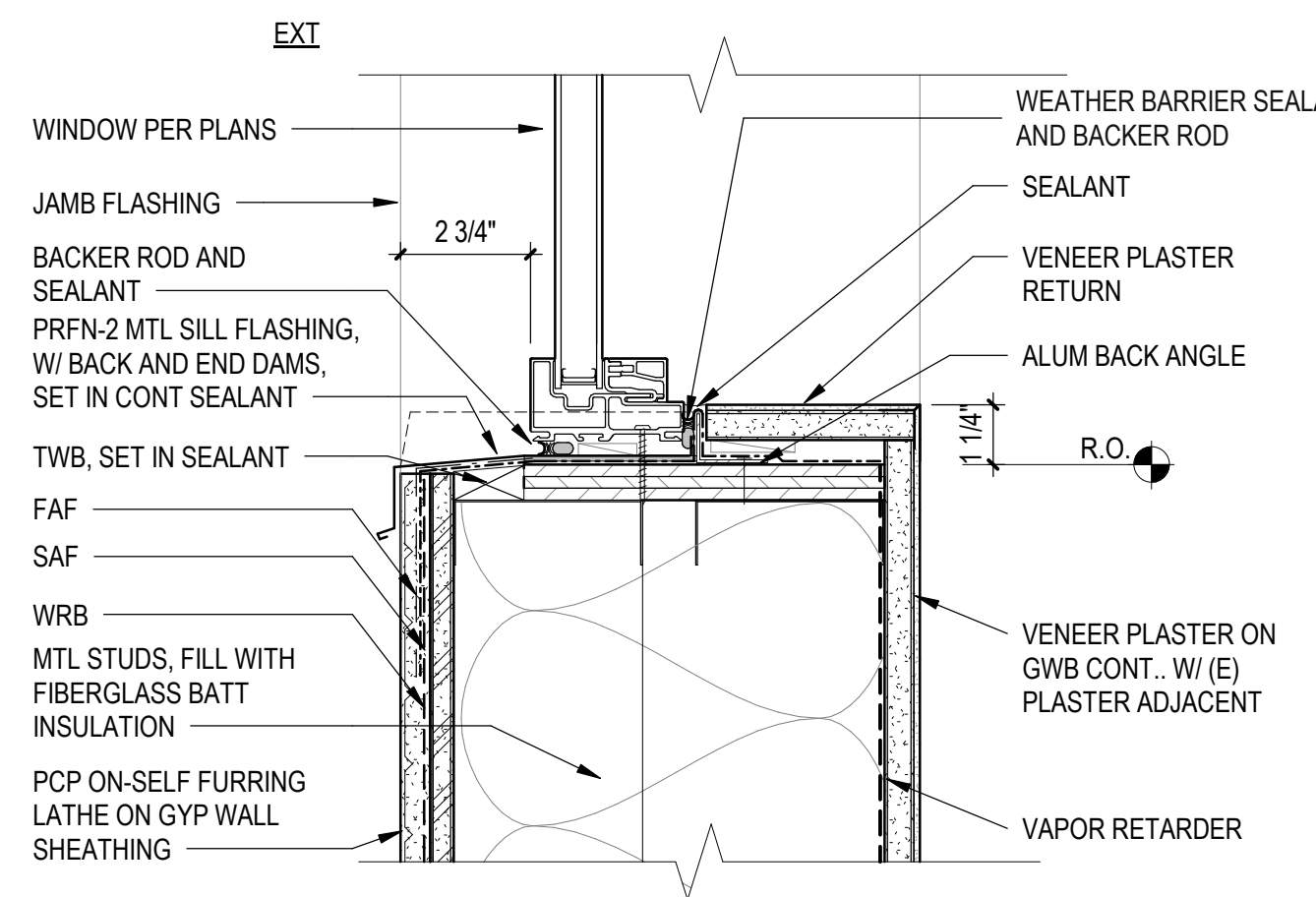
9 WINDOW @ ADDED WOOD OPENING - HEAD
SCALE: 3" = 1'-0"



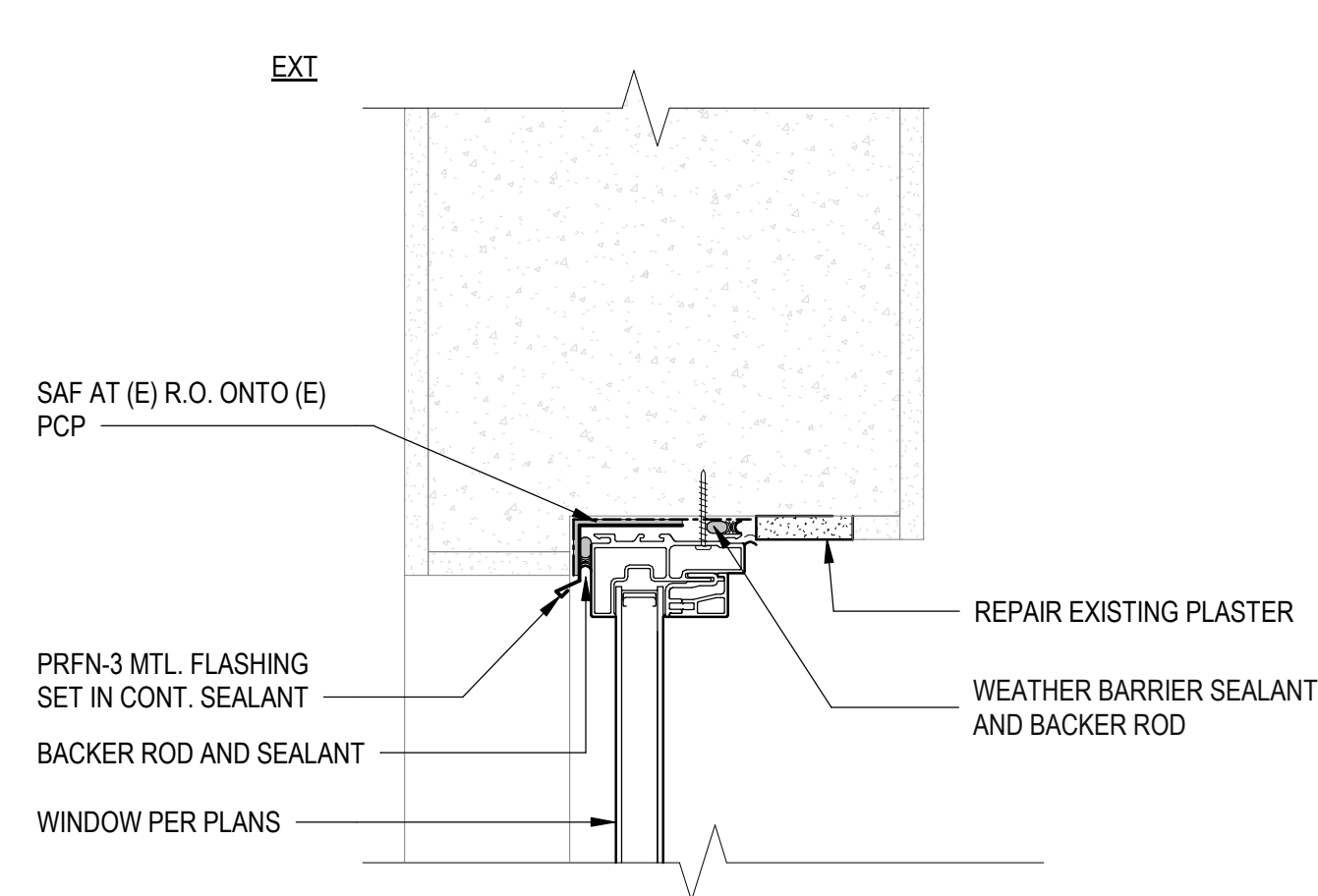
5 WINDOW @ WOOD INFILL-HEAD
SCALE: 3" = 1'-0"



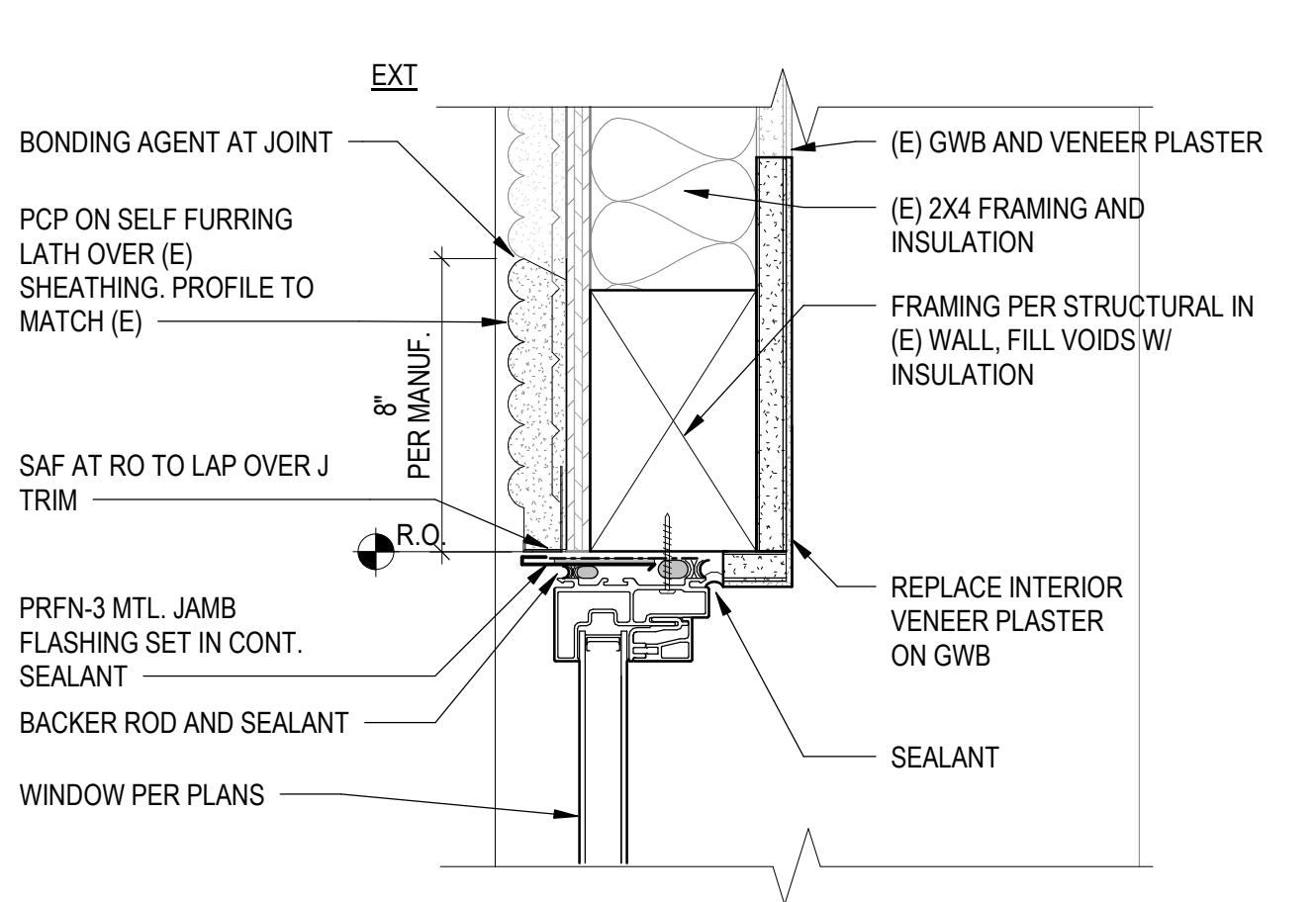
1 LIBRARY WINDOW-HEAD
SCALE: 3" = 1'-0"



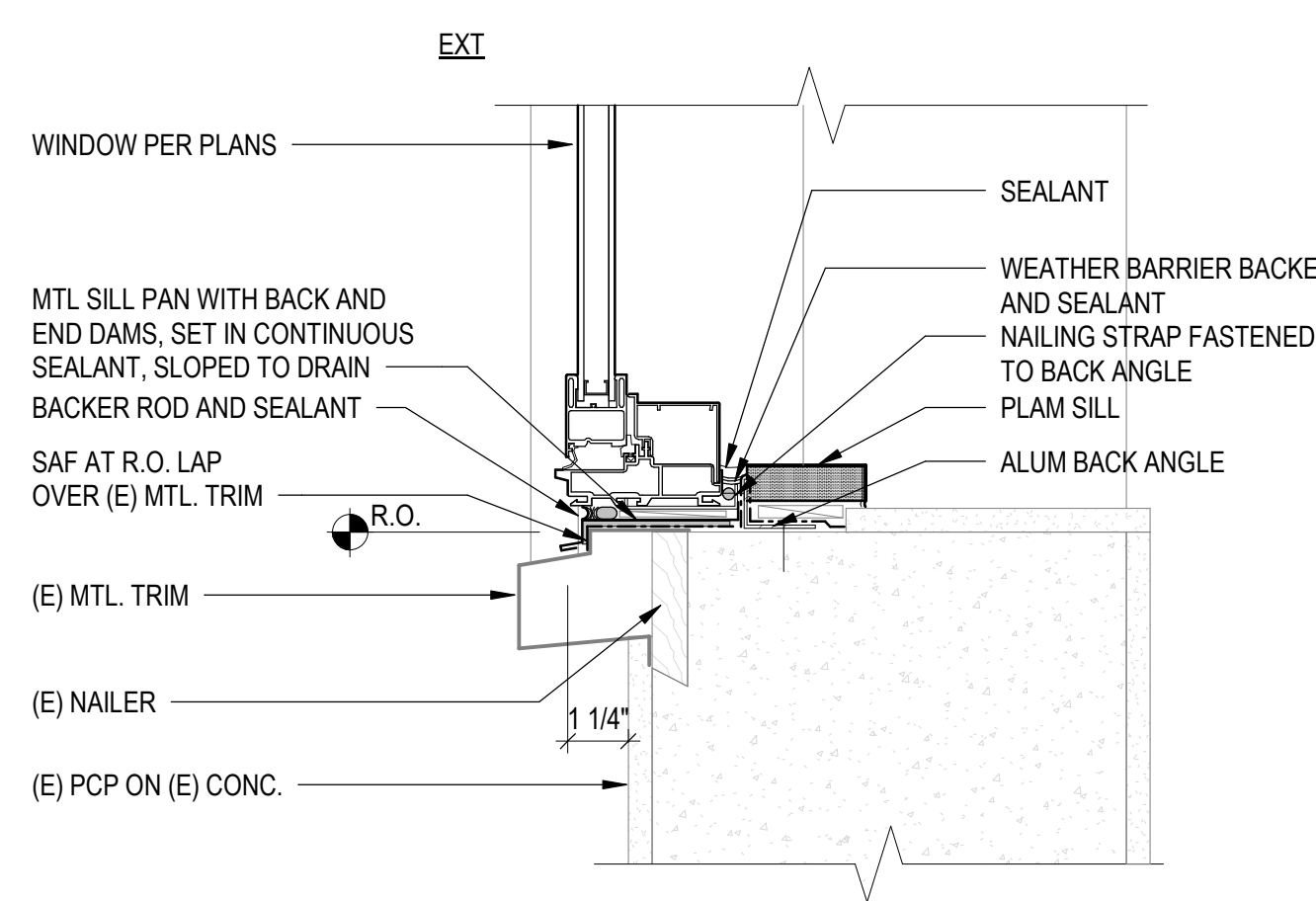
18 WINDOW AT INFILL - SILL
SCALE: 3" = 1'-0"



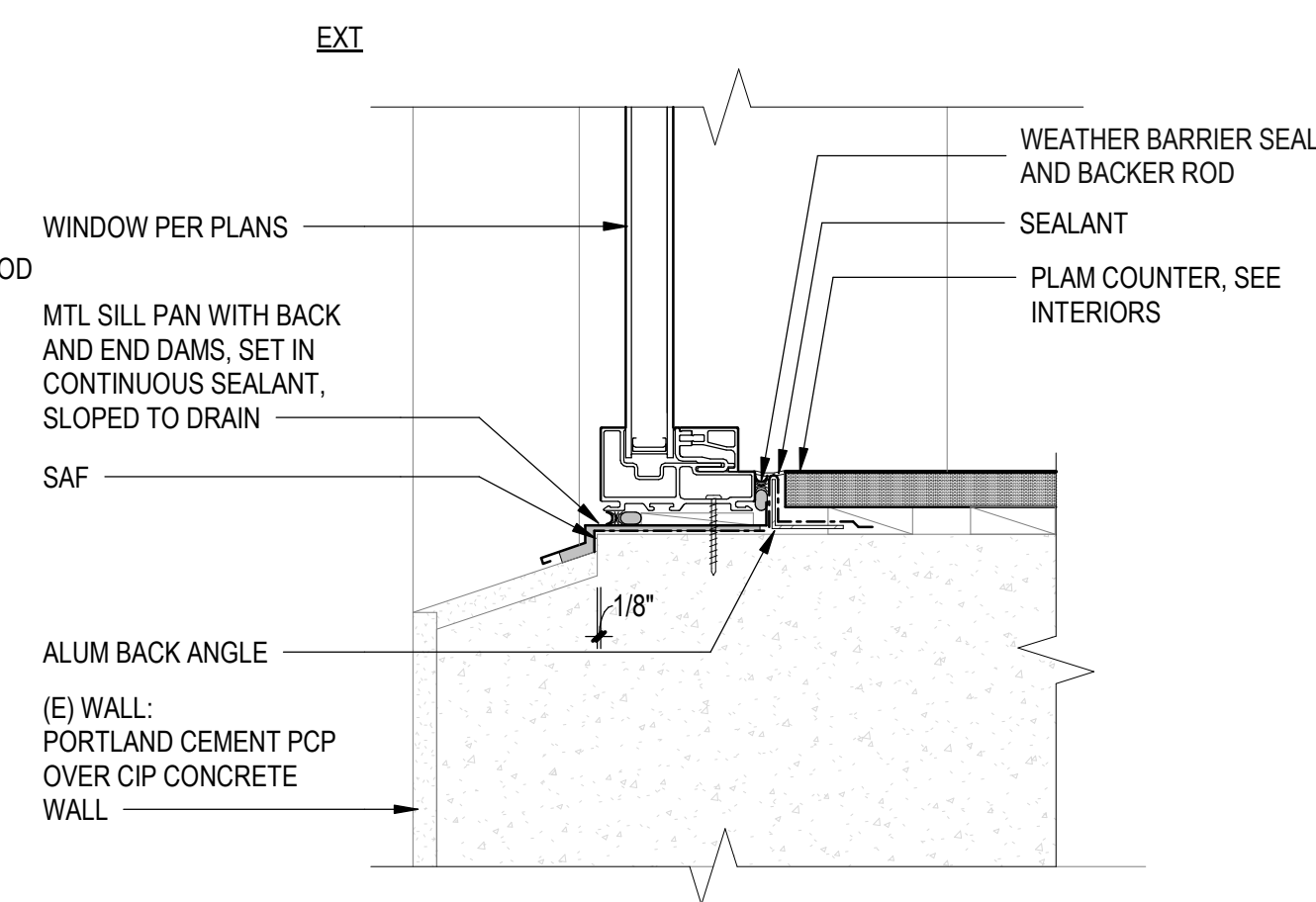
14 CONC. WINDOW-HEAD
SCALE: 3" = 1'-0"



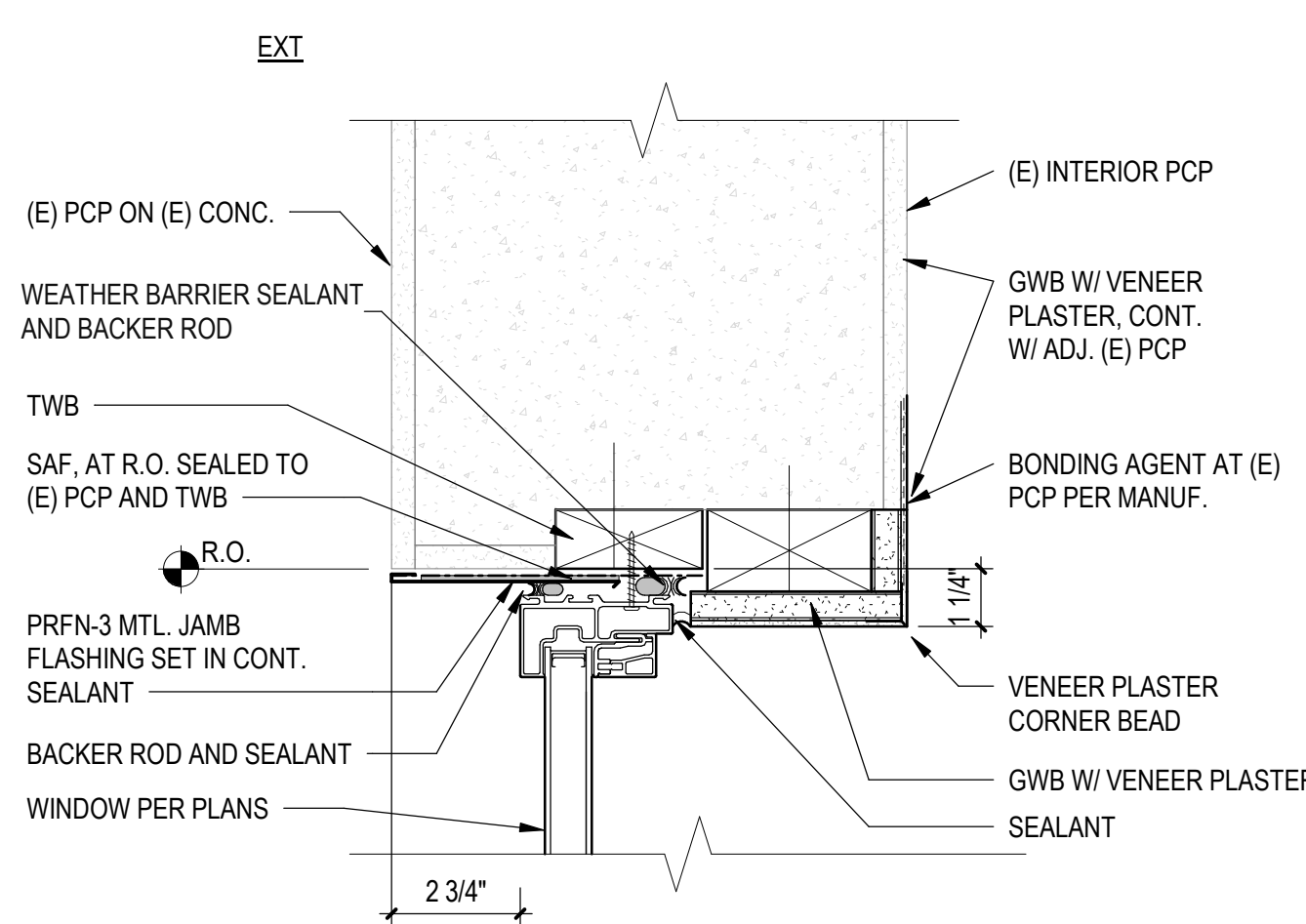
10 WINDOW @ ADDED WOOD OPENING - JAMB
SCALE: 3" = 1'-0"



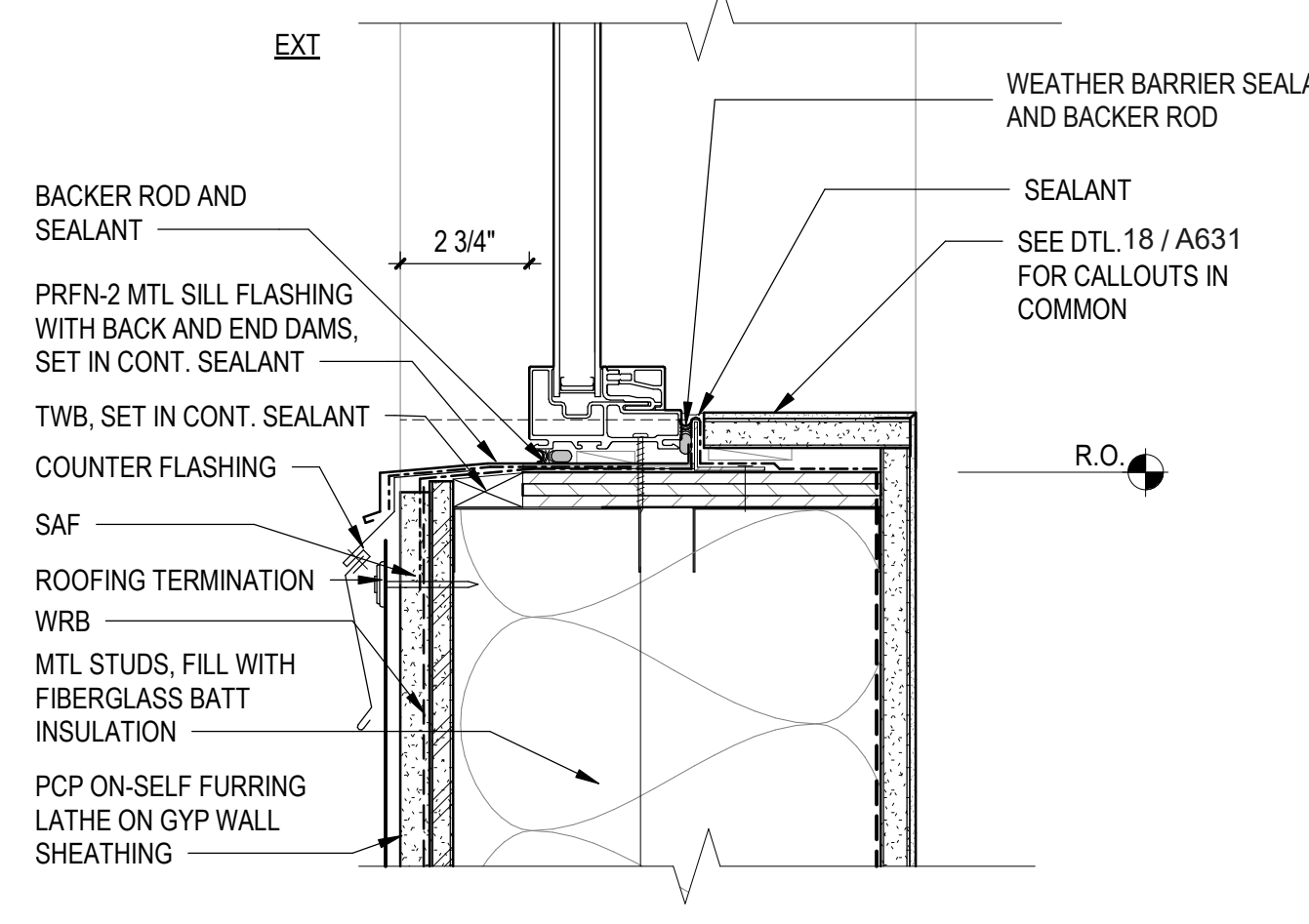
6 WINDOW @ MTL. SILL
SCALE: 3" = 1'-0"



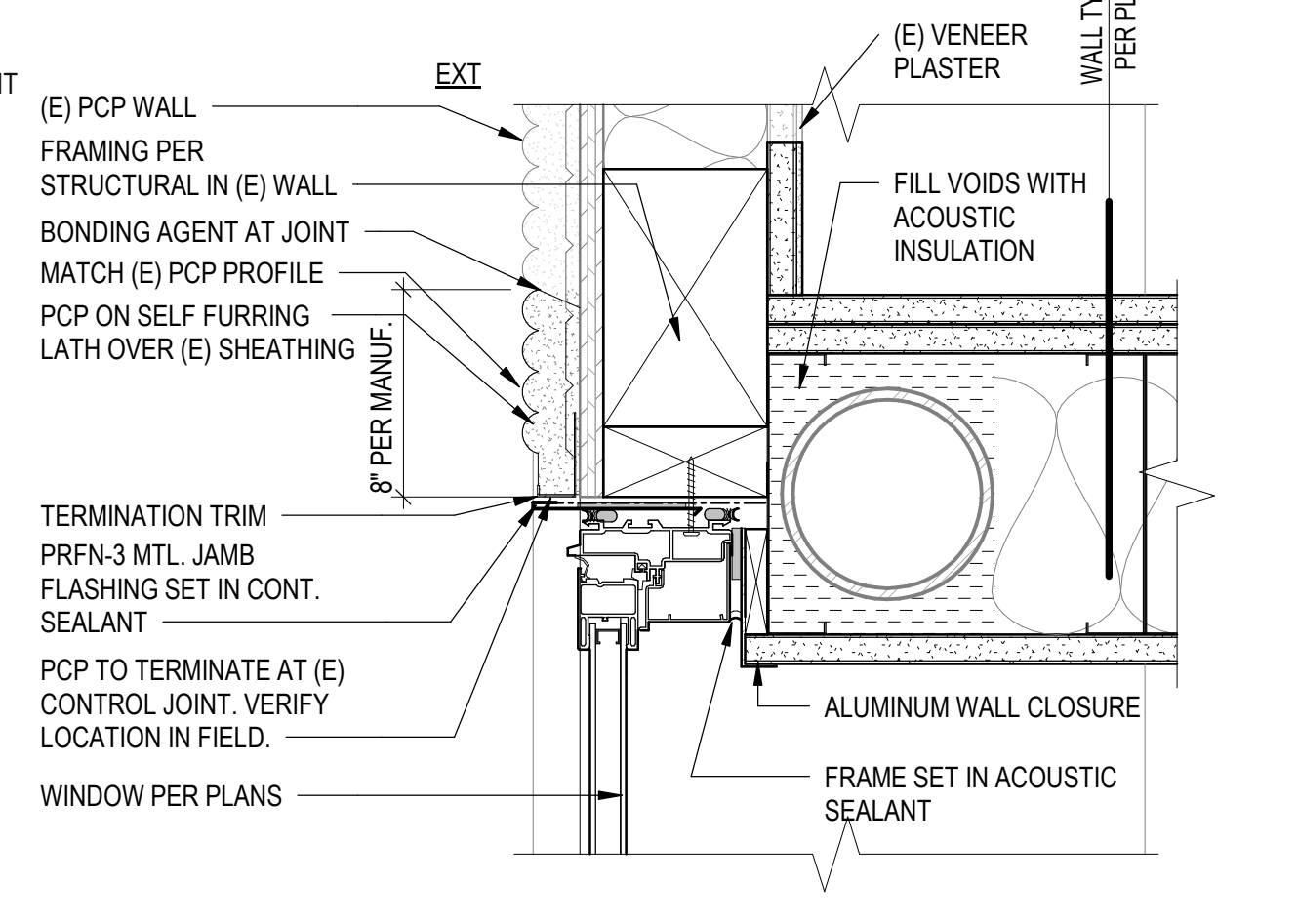
2 LIBRARY WINDOW SILL
SCALE: 3" = 1'-0"



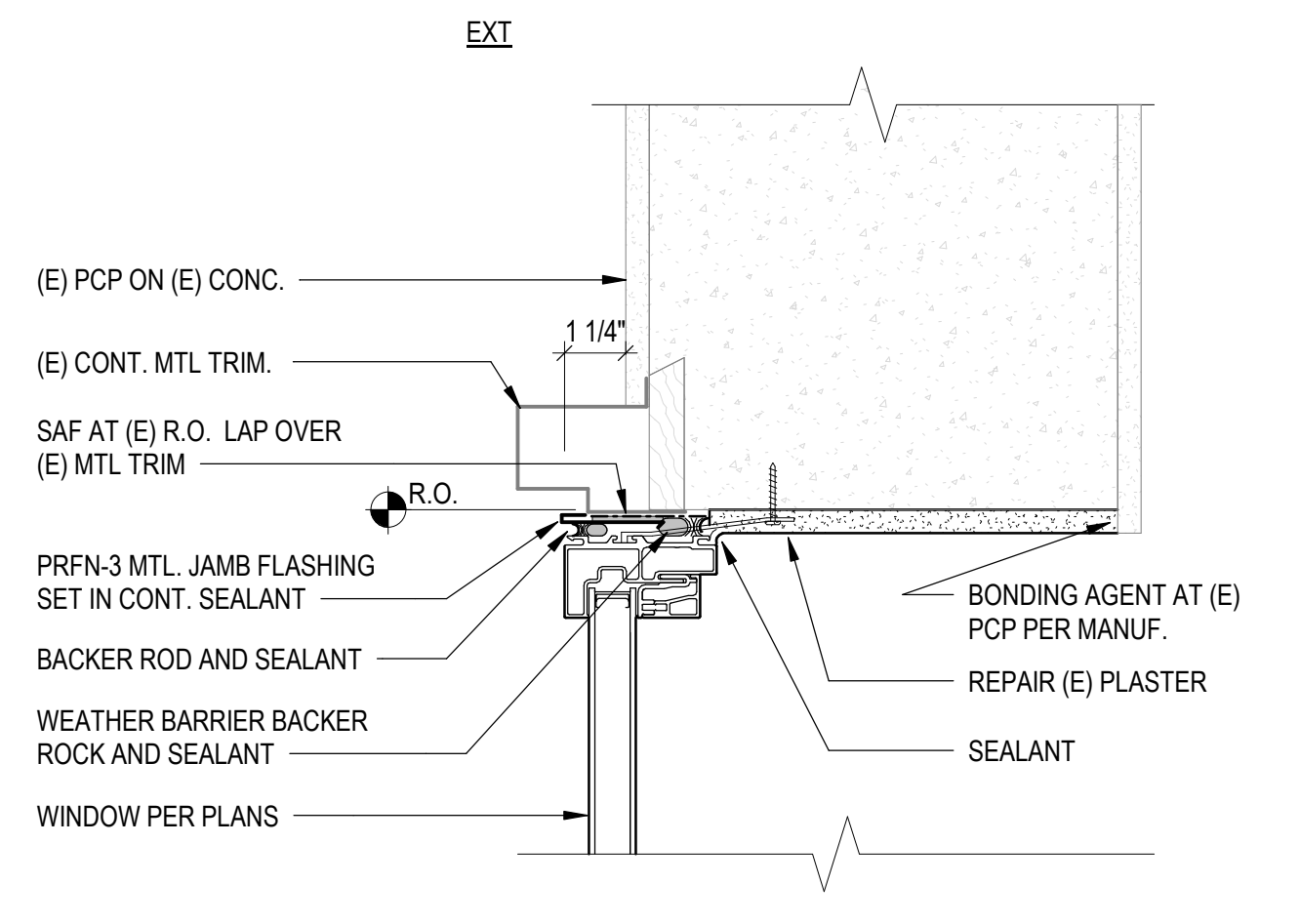
19 WINDOW AT INFILL - JAMB
SCALE: 3" = 1'-0"



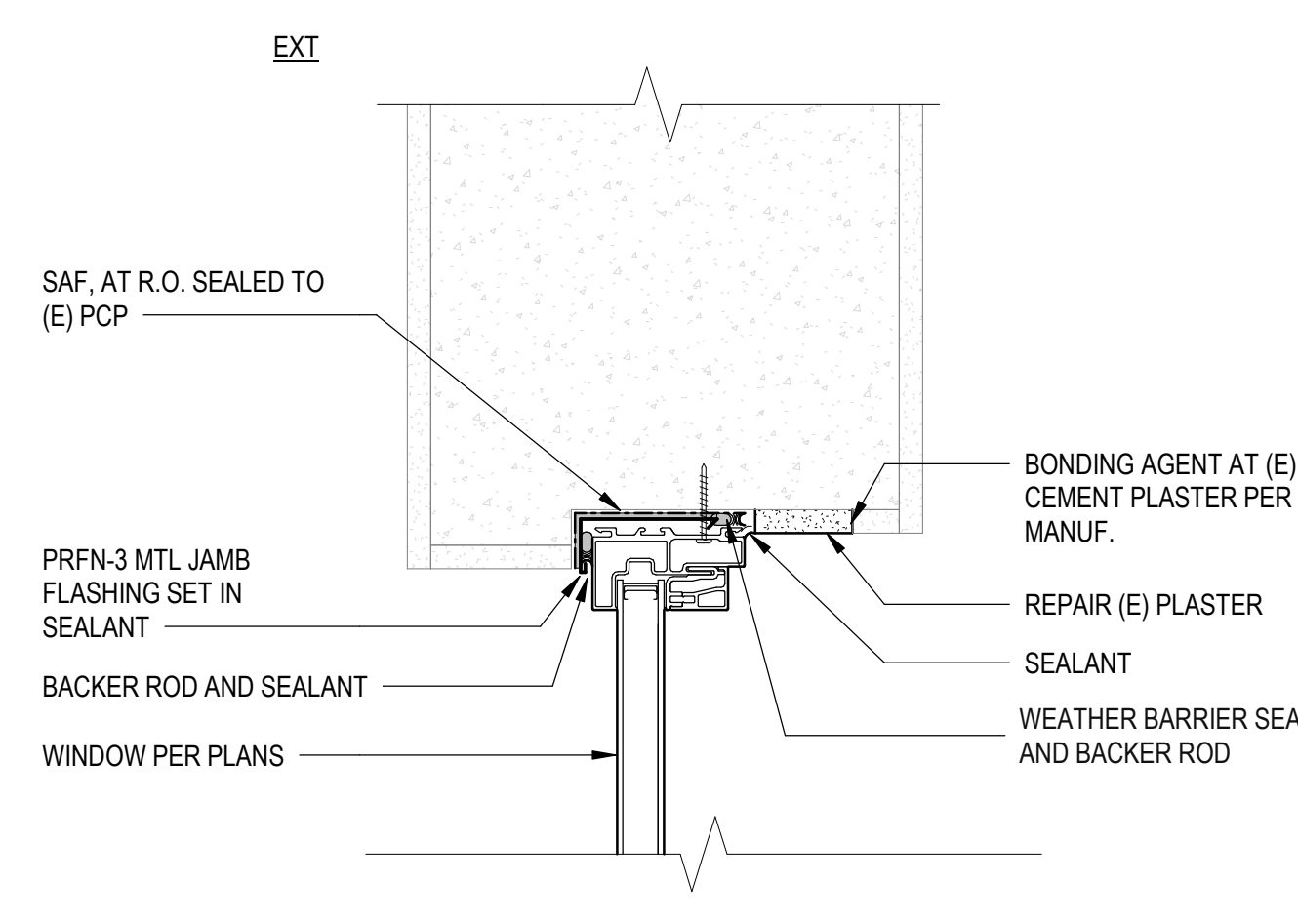
15 WINDOW AT INFILL - SILL AT ROOF
SCALE: 3" = 1'-0"



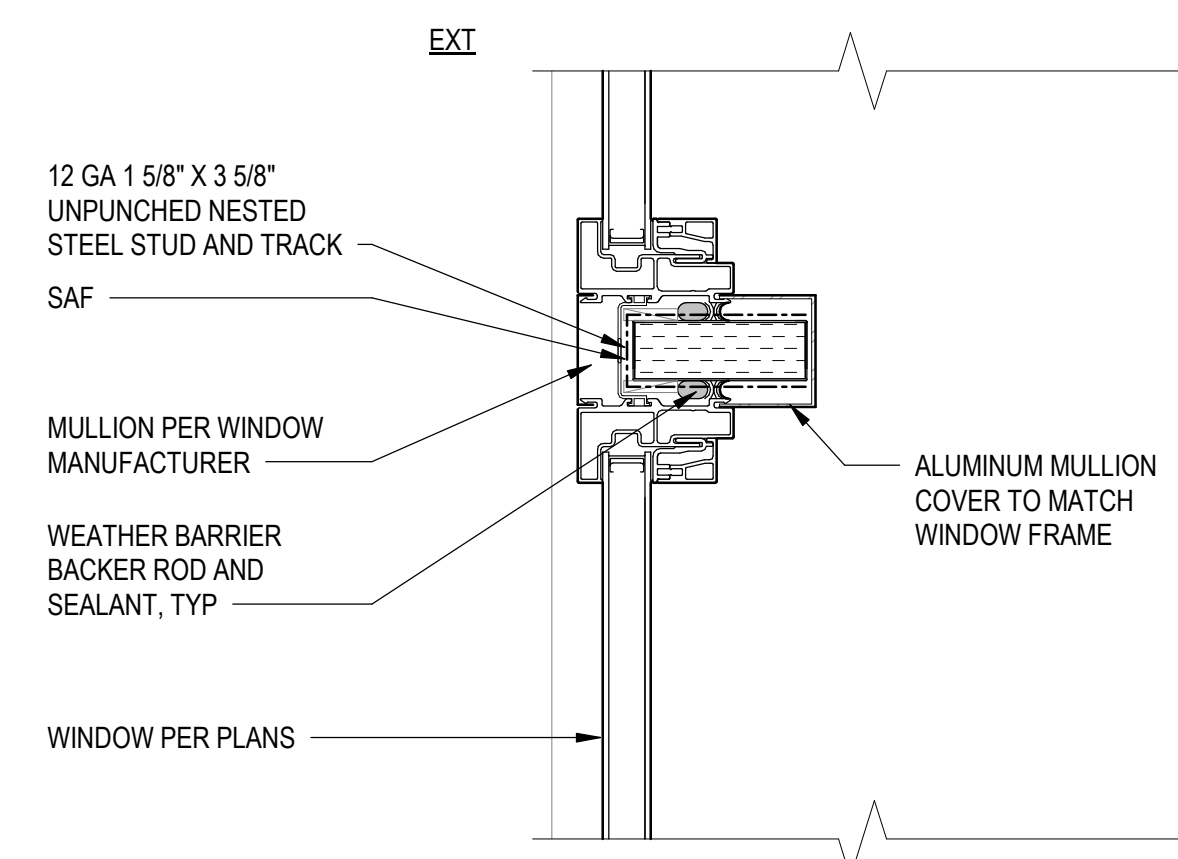
11 WINDOW @ INTERIOR WALL
SCALE: 3" = 1'-0"



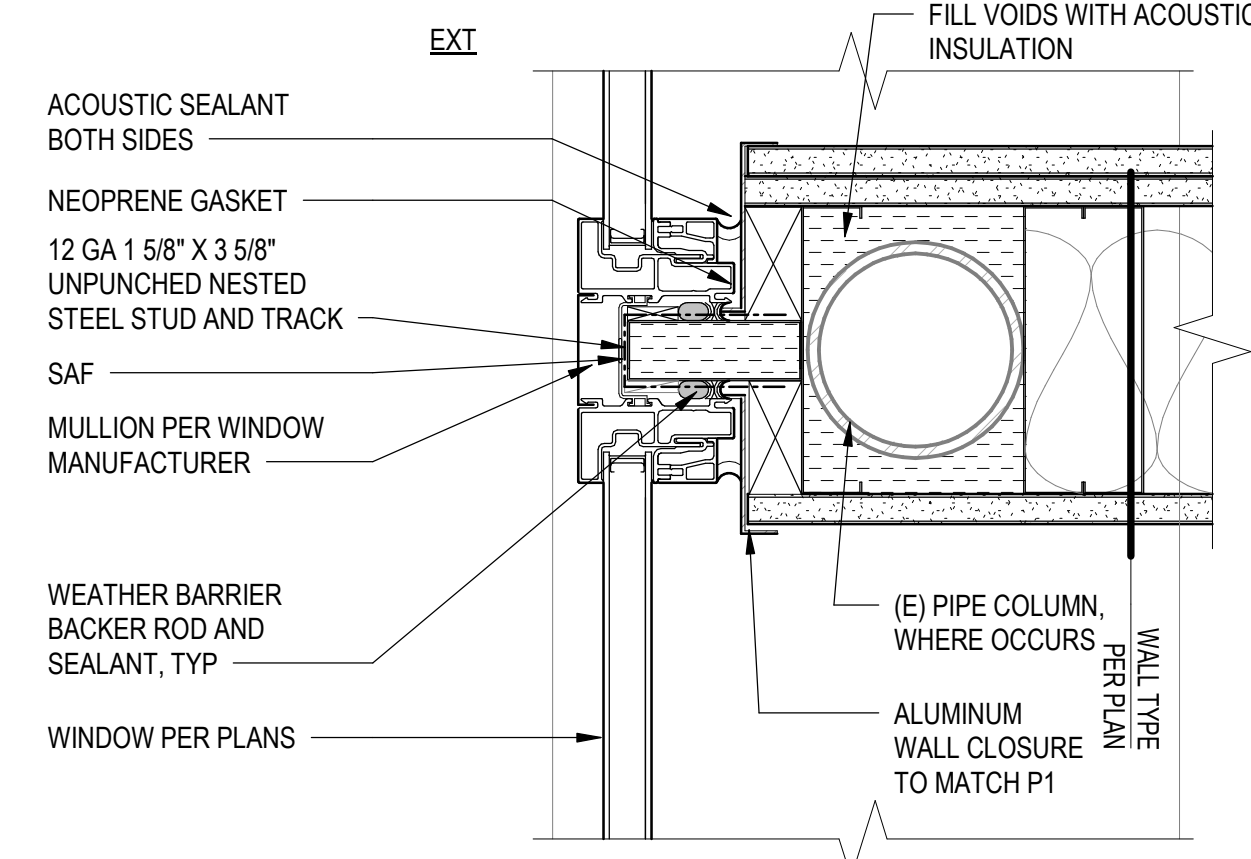
7 WINDOW JAMB @ MTL. TRIM
SCALE: 3" = 1'-0"



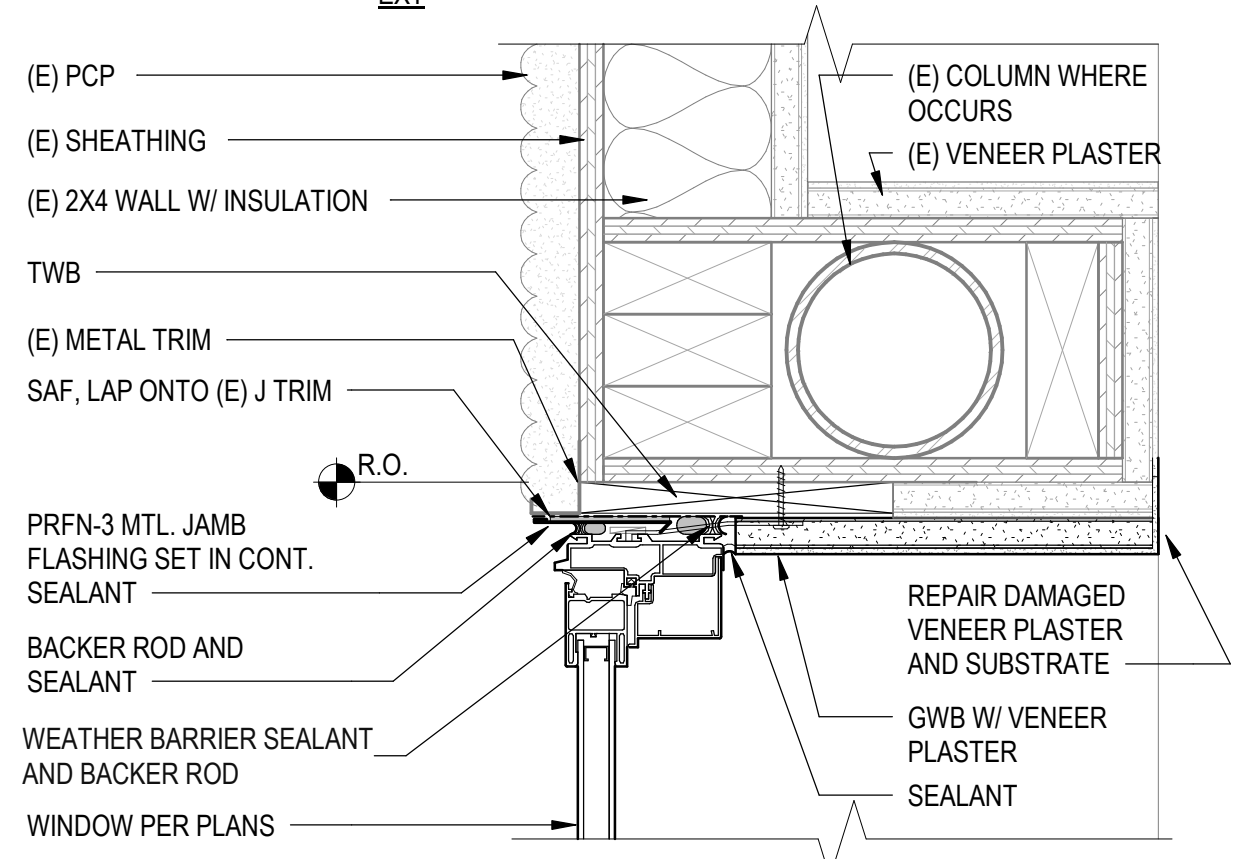
3 CONC. WINDOW JAMB
SCALE: 3" = 1'-0"



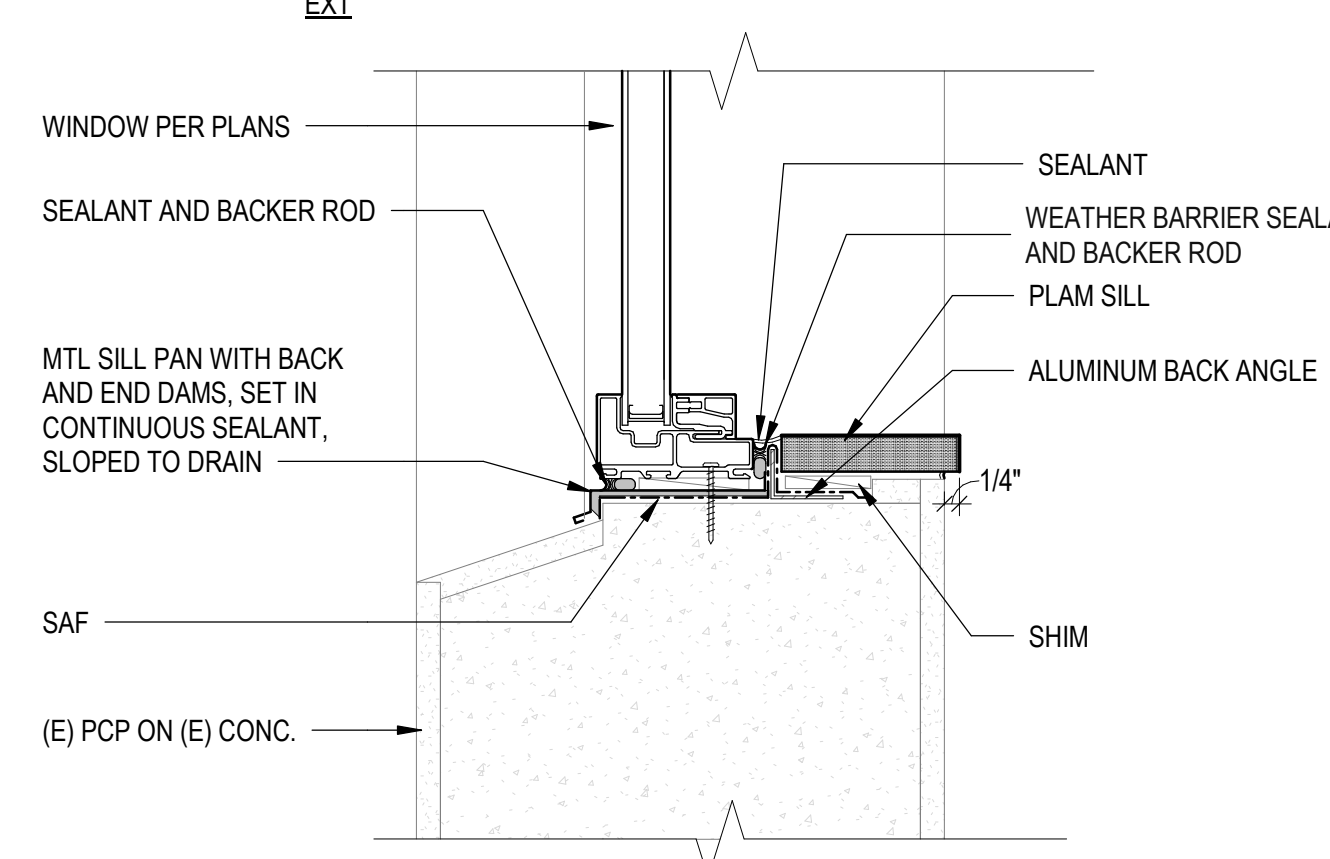
16 STRUCTURAL VERTICAL WINDOW MULLION
SCALE: 3" = 1'-0"



12 WINDOW MULLION @ INTERIOR WALL
SCALE: 3" = 1'-0"



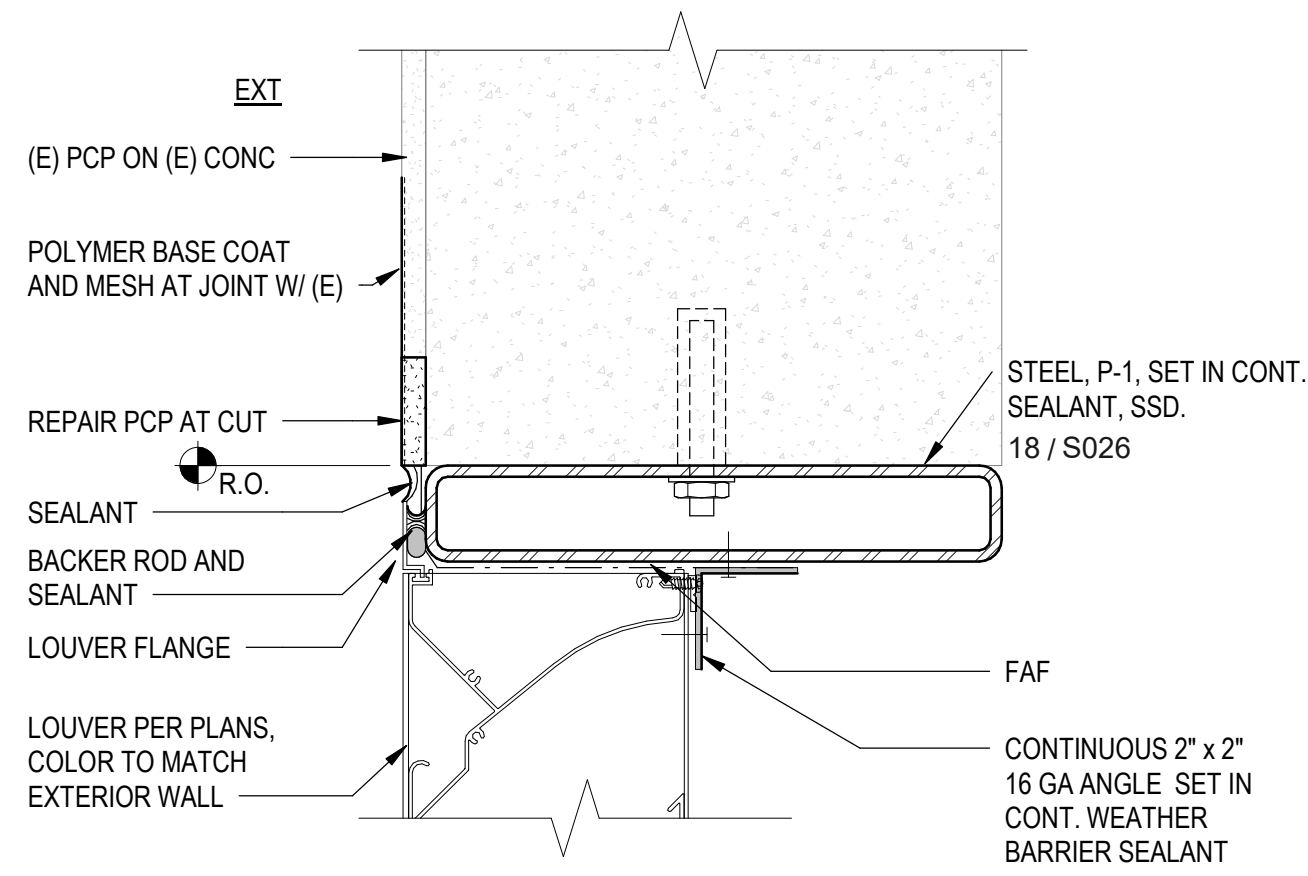
8 REPLACEMENT WINDOW @ WOOD-JAMB
SCALE: 3" = 1'-0"



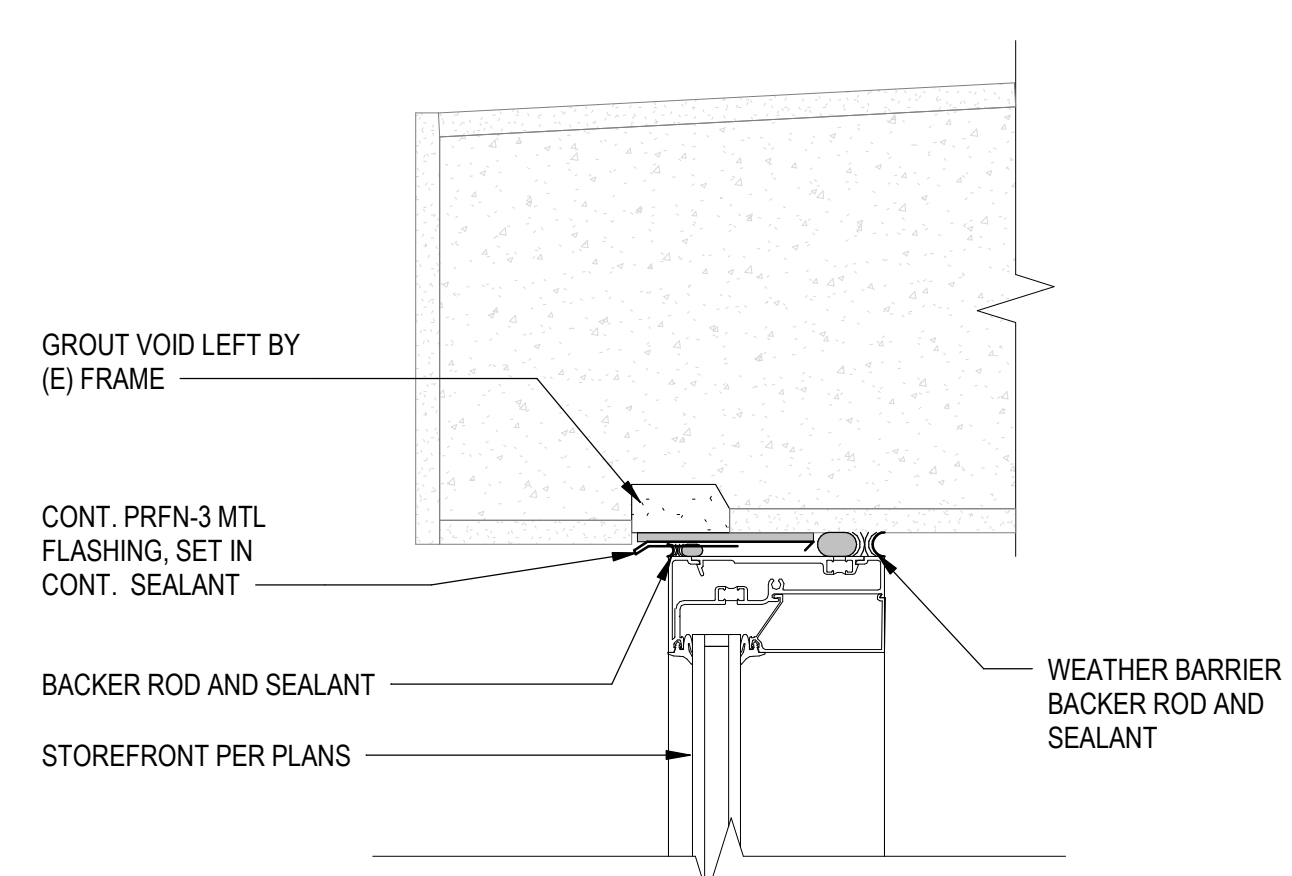
4 CONC. WINDOW SILL
SCALE: 3" = 1'-0"

Date:	05/28/2021
Job No.:	21938.00
Drawn By:	EP
Checked by:	MT
Revisions	
#	Date Description

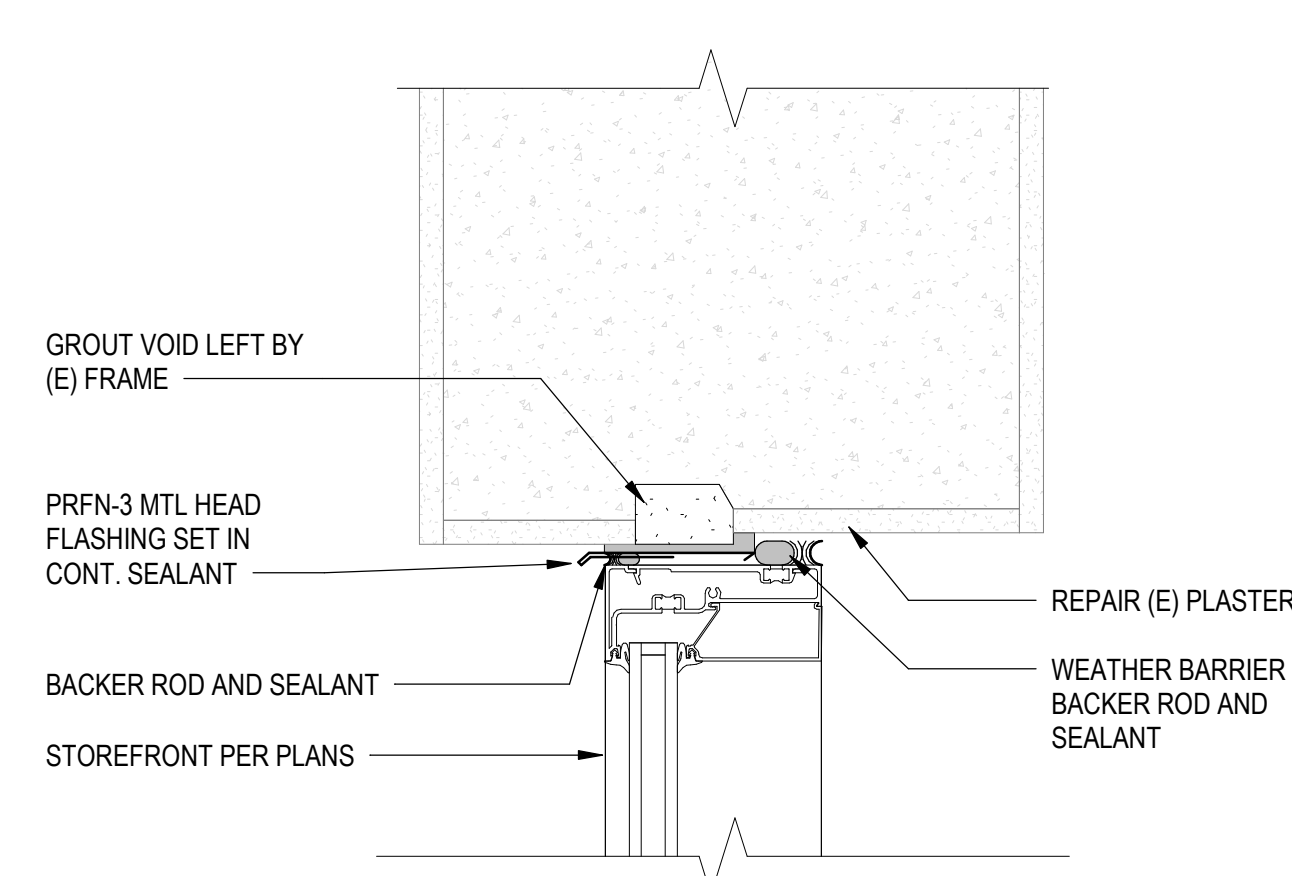
DETAILS-
WINDOWS



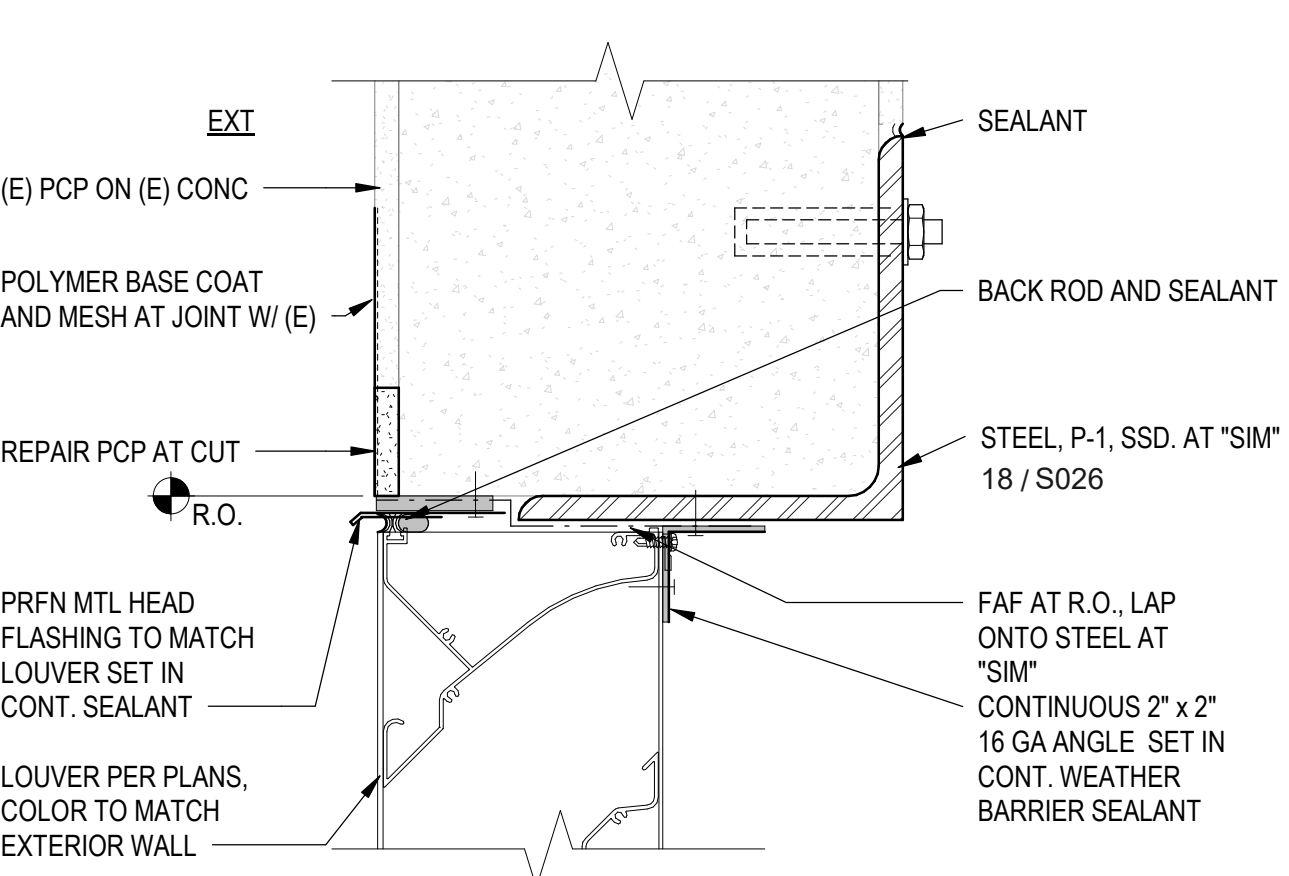
13 L7 LOUVER HEAD
SCALE: 3" = 1'-0"



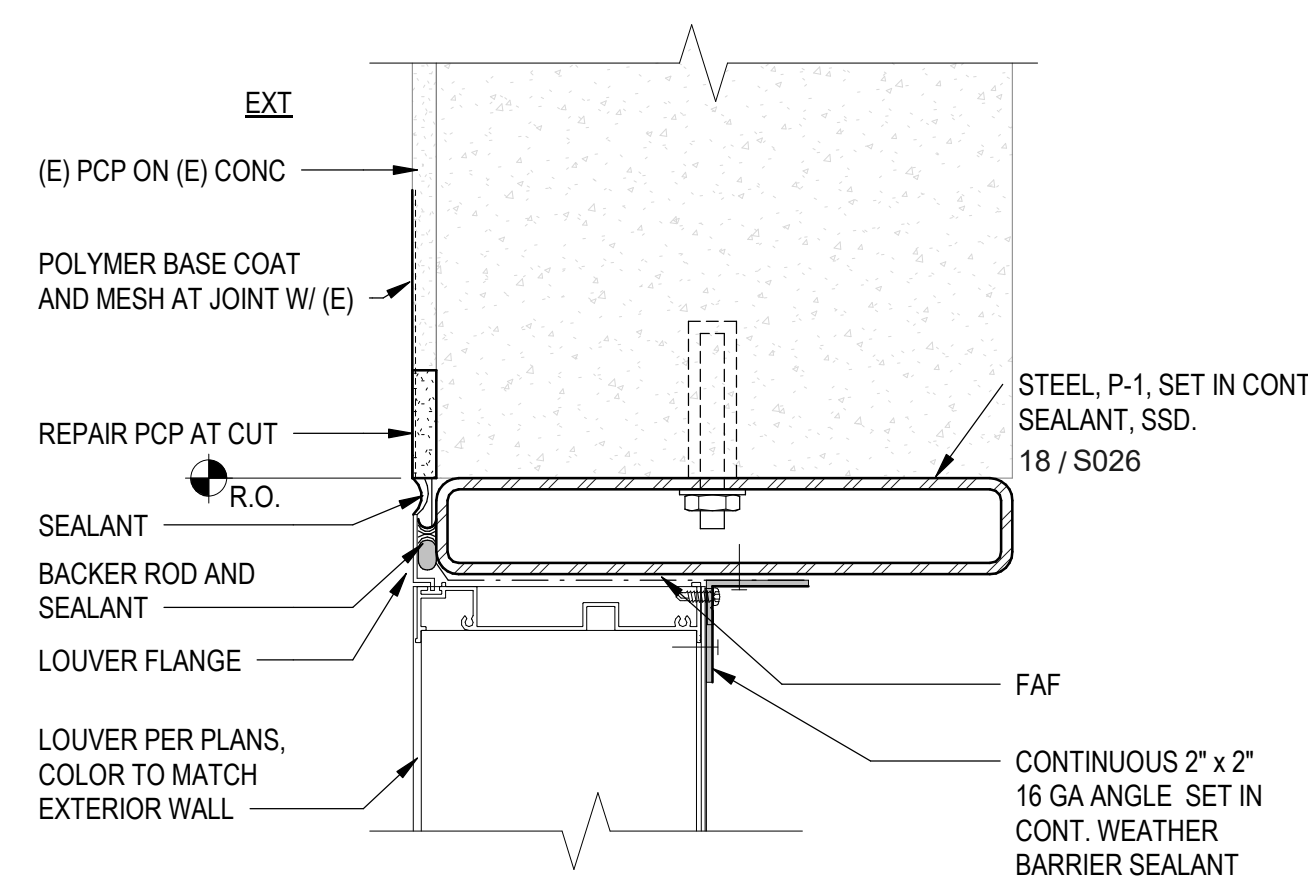
9 STOREFRONT @ SF8 - HEAD
SCALE: 3" = 1'-0"



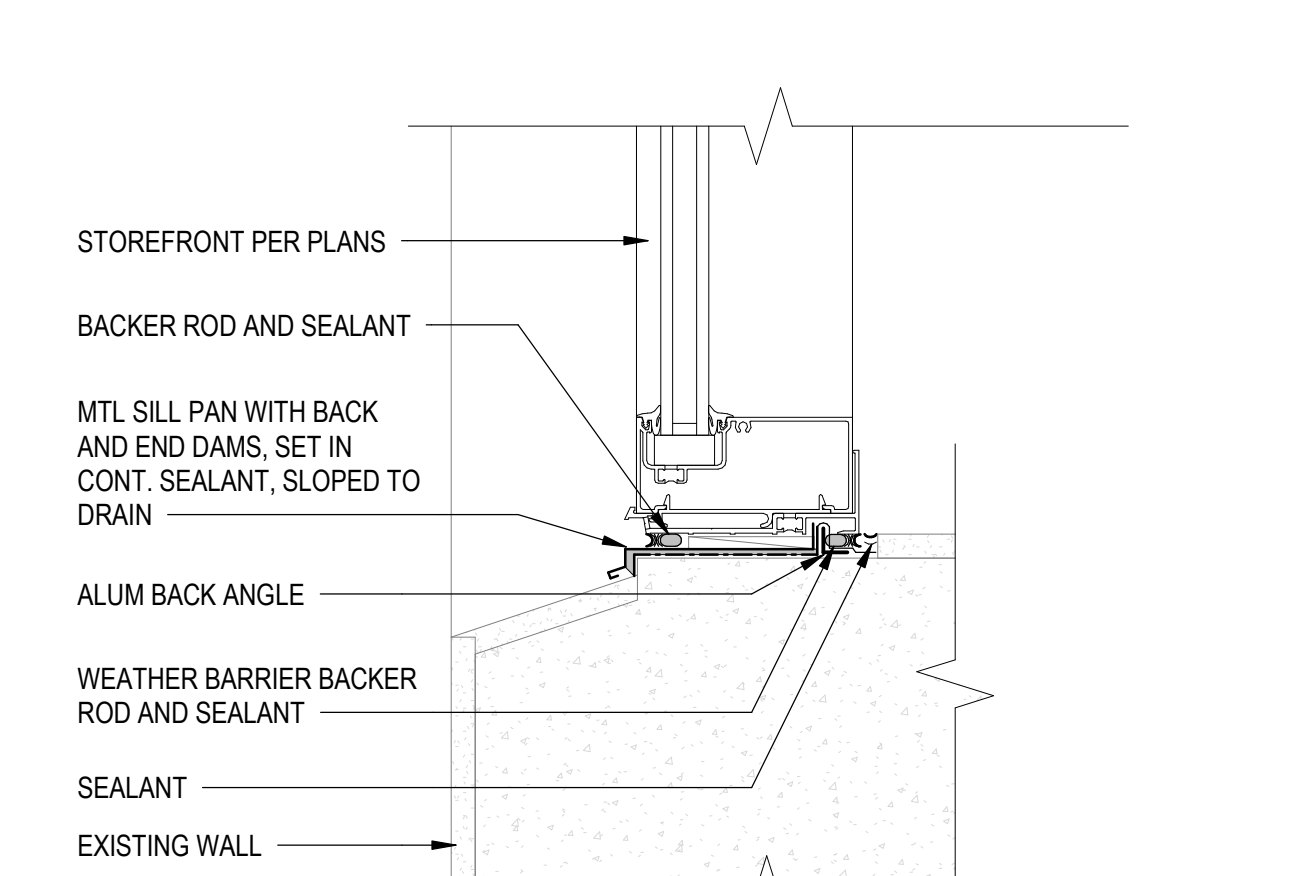
5 STOREFRONT @ CAFETERIA - HEAD
SCALE: 3" = 1'-0"



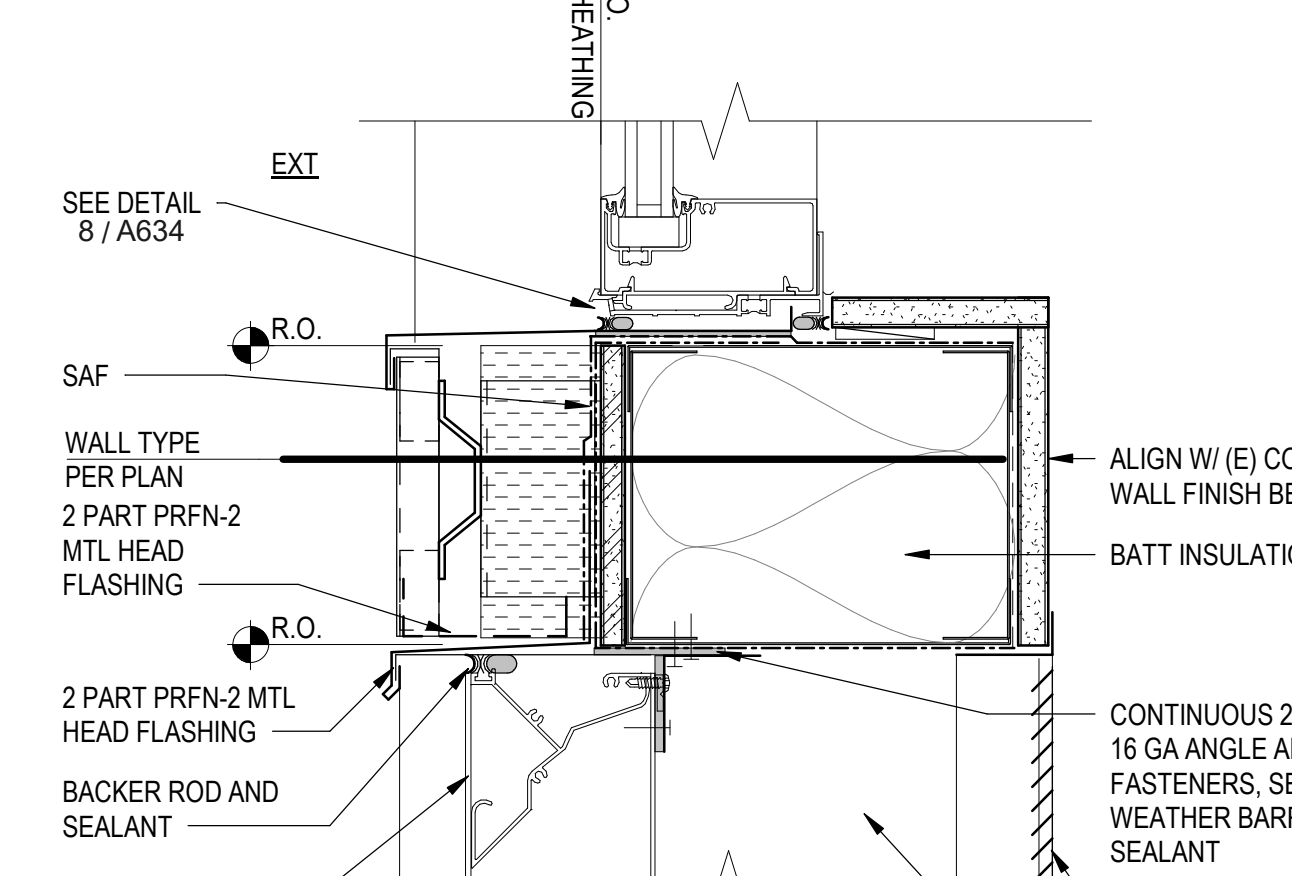
1 REPLACEMENT LOUVER HEAD
SCALE: 3" = 1'-0"



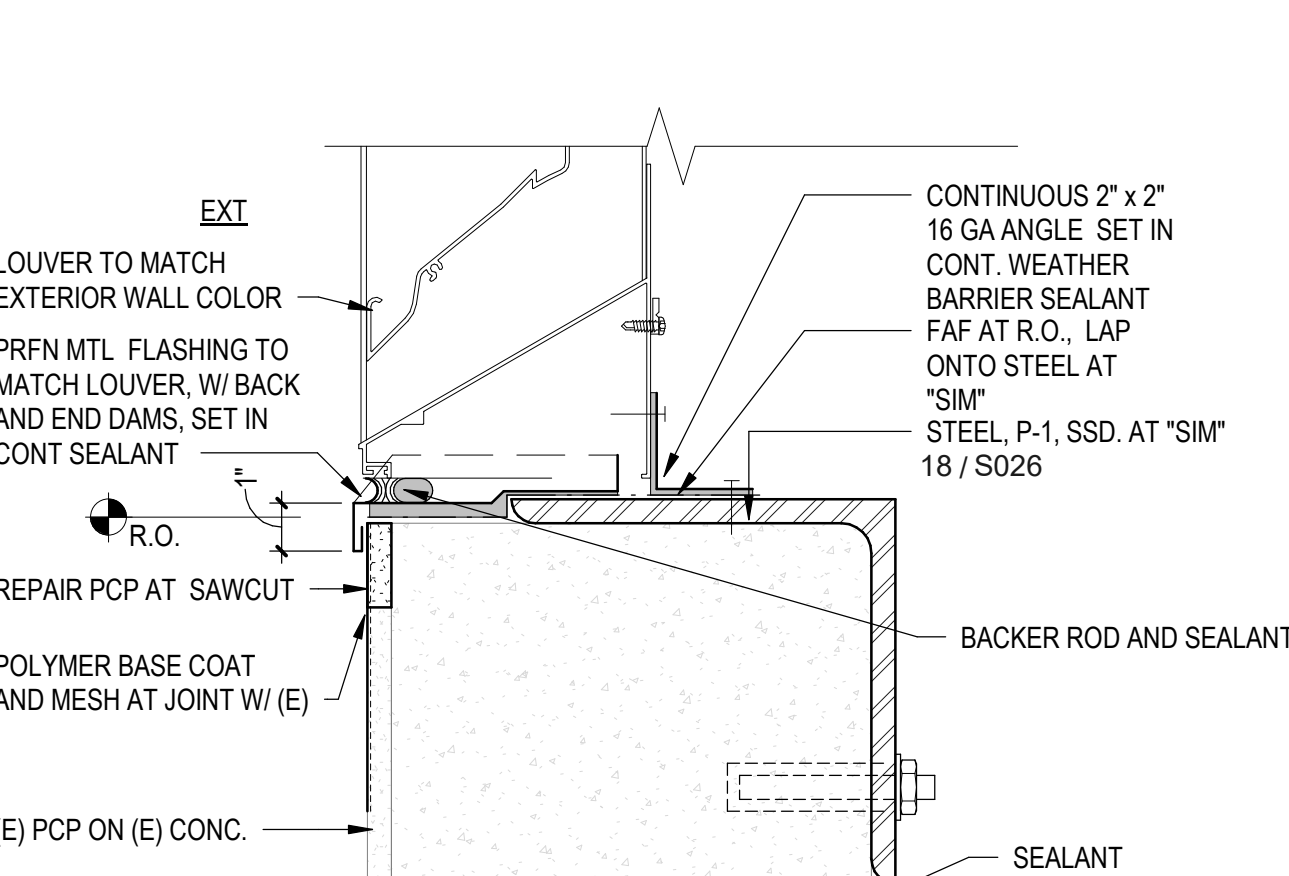
14 L7 LOUVER JAMB
SCALE: 3" = 1'-0"



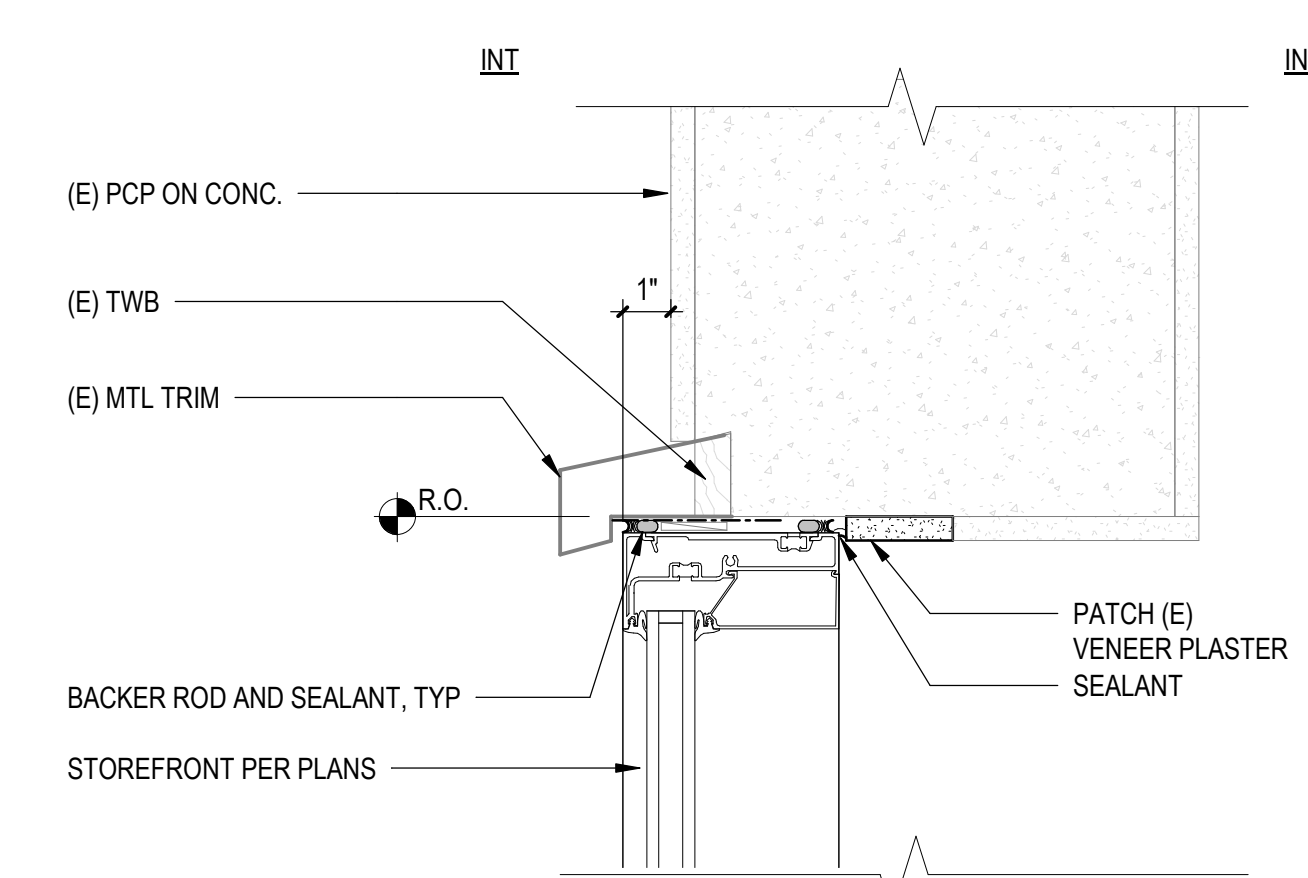
10 STOREFRONT @ (E) CONC- SILL
SCALE: 3" = 1'-0"



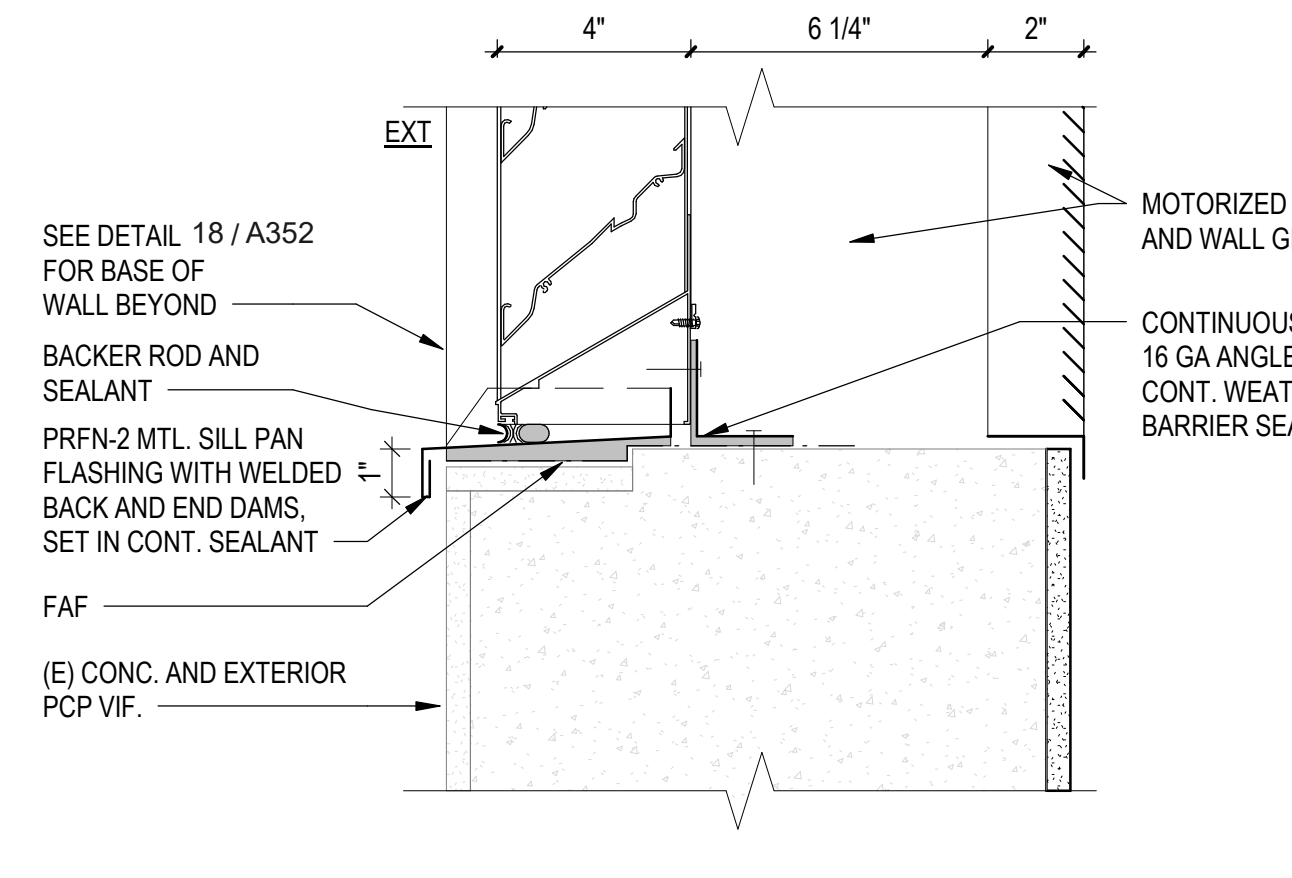
6 SF/LOUVER @ CAFETERIA HEAD/SILL
SCALE: 3" = 1'-0"



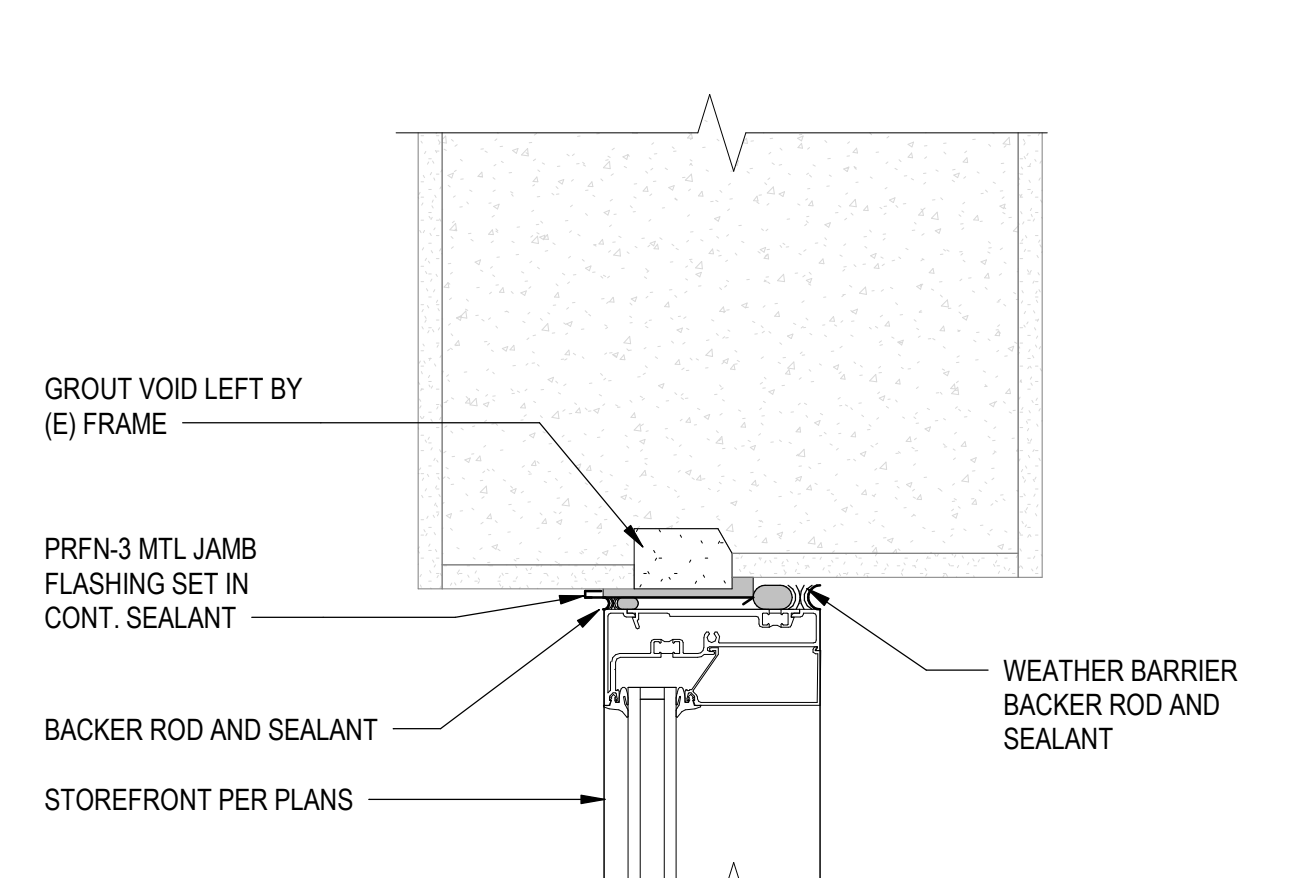
2 REPLACEMENT LOUVER SILL
SCALE: 3" = 1'-0"



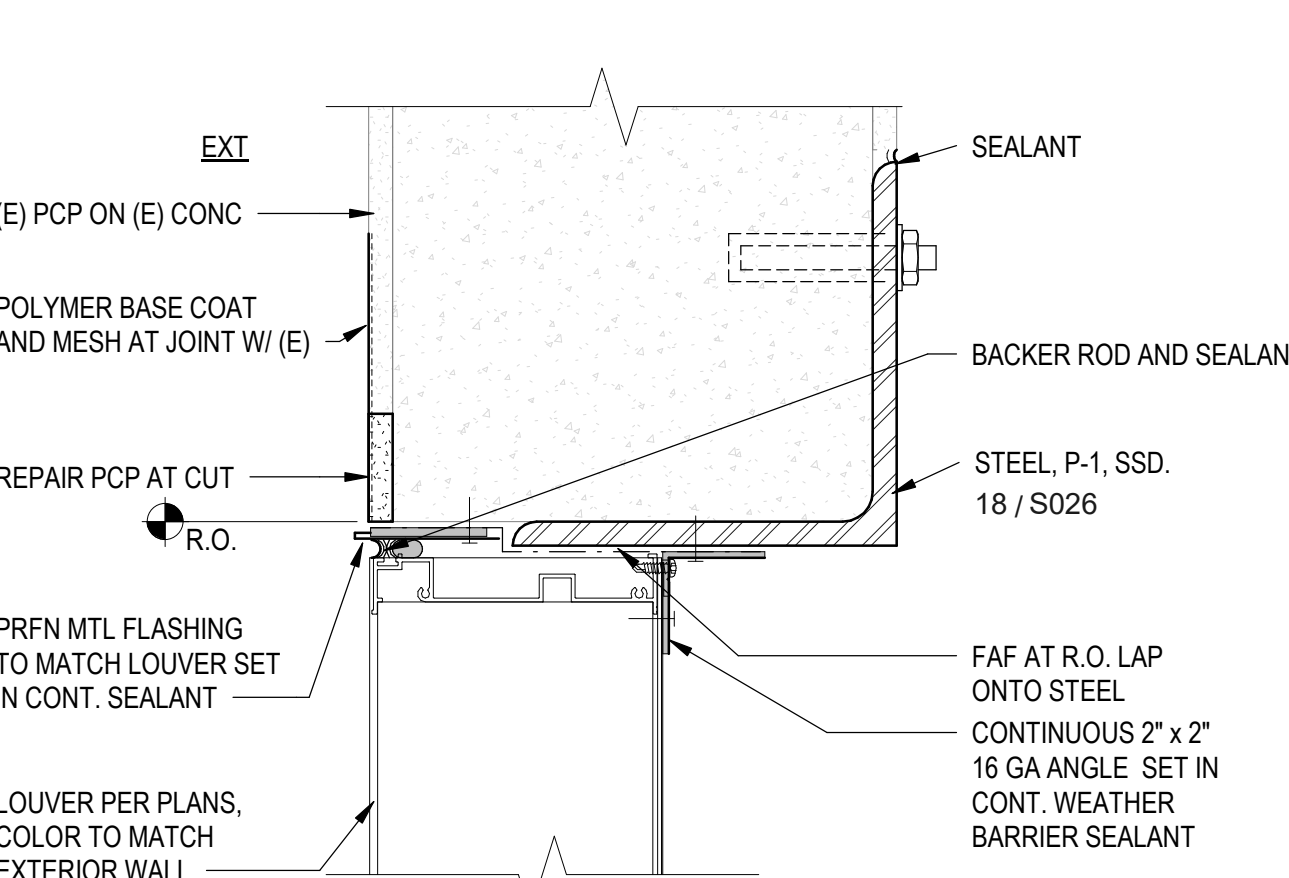
15 STOREFRONT HEAD @ MTL TRIM
SCALE: 3" = 1'-0"



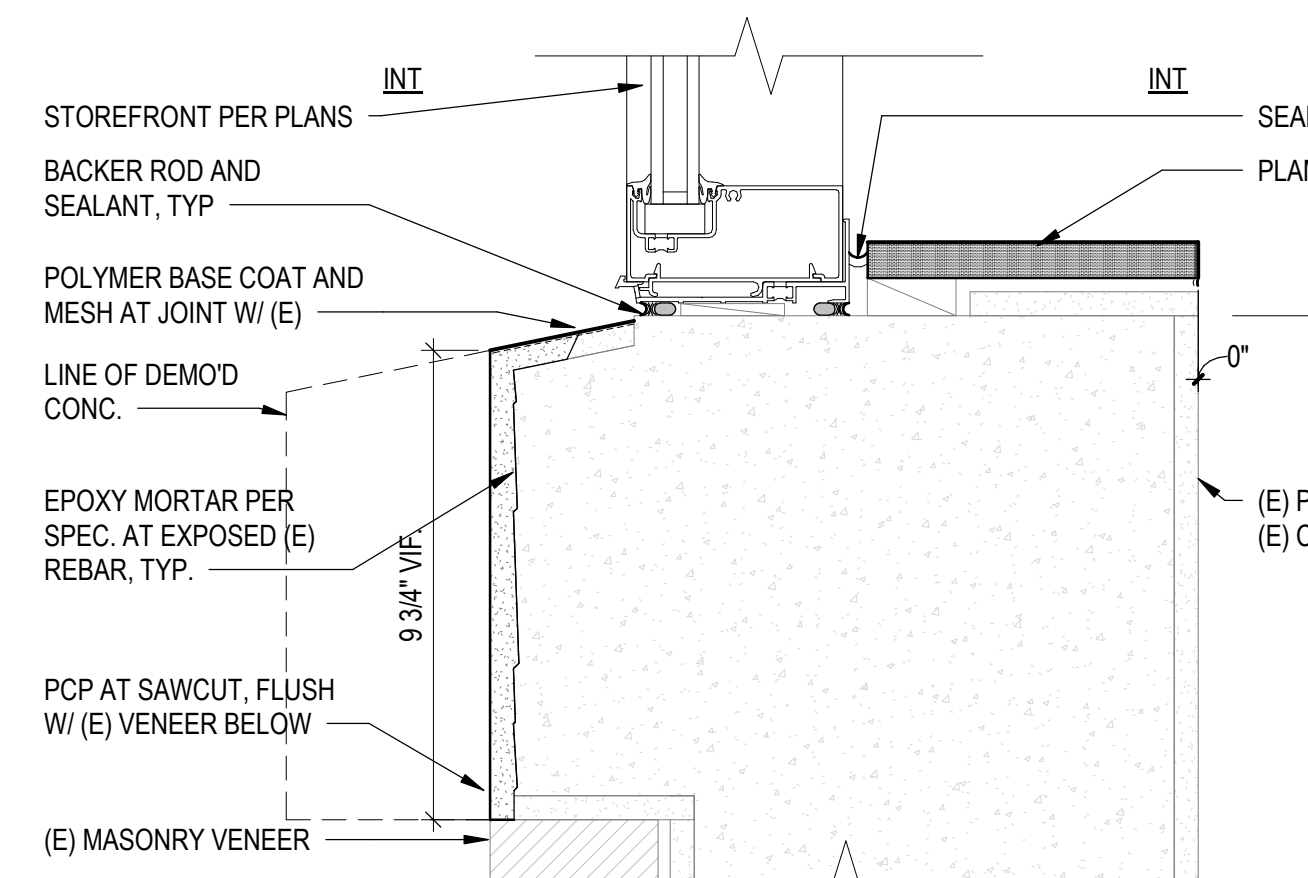
11 LOUVER @ CAFETERIA STOREFRONT - SILL
SCALE: 3" = 1'-0"



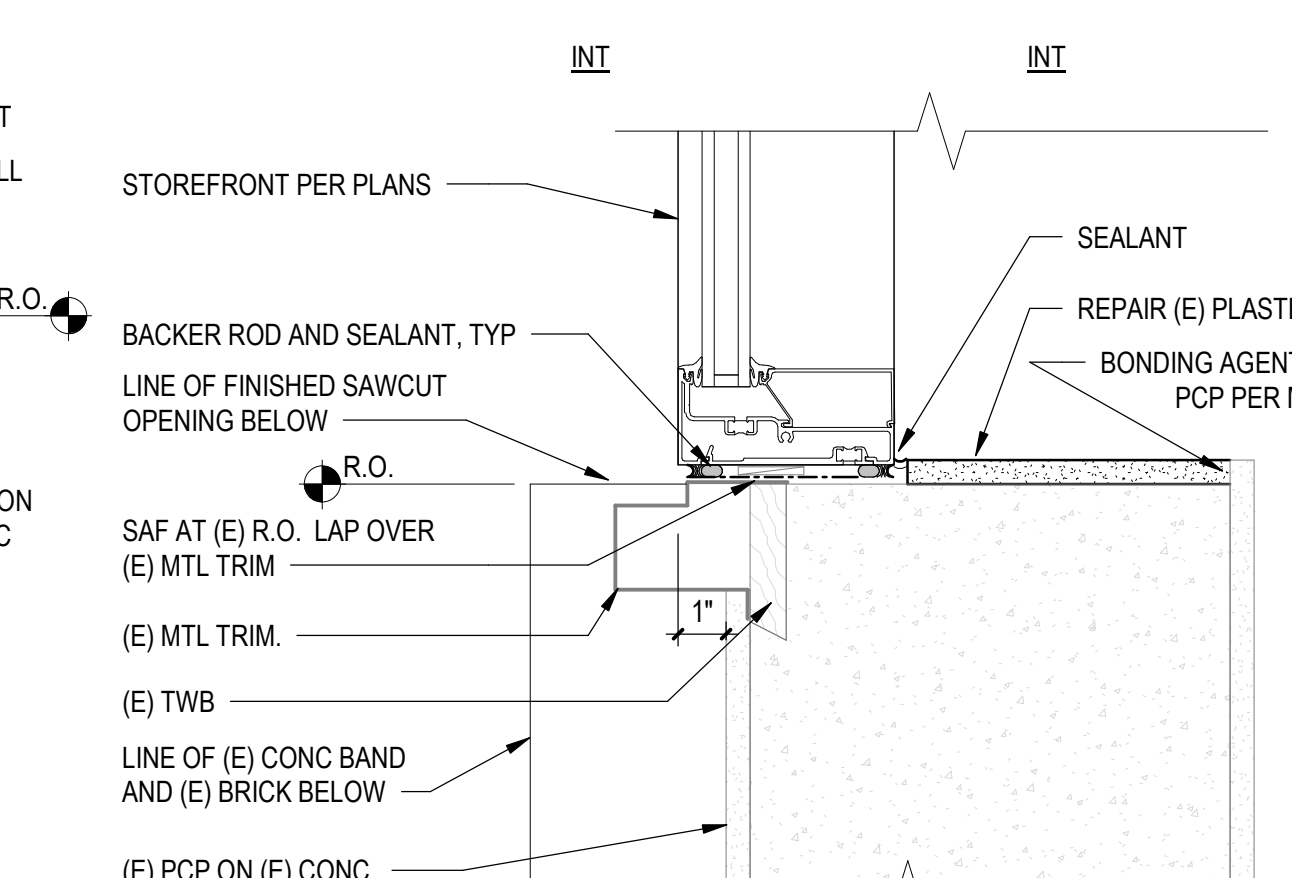
7 STOREFRONT @ CAFETERIA - JAMB
SCALE: 3" = 1'-0"



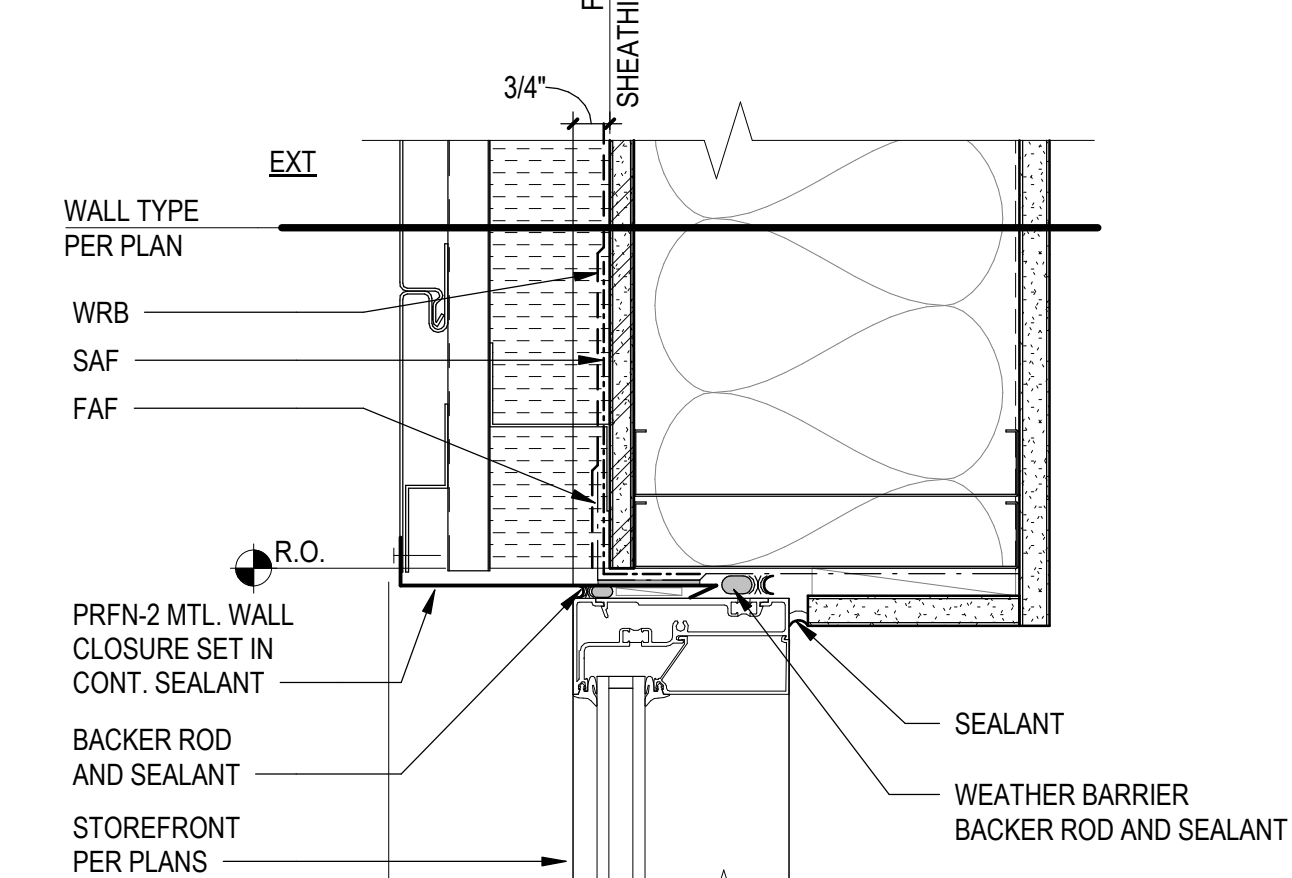
3 REPLACEMENT LOUVER JAMB
SCALE: 3" = 1'-0"



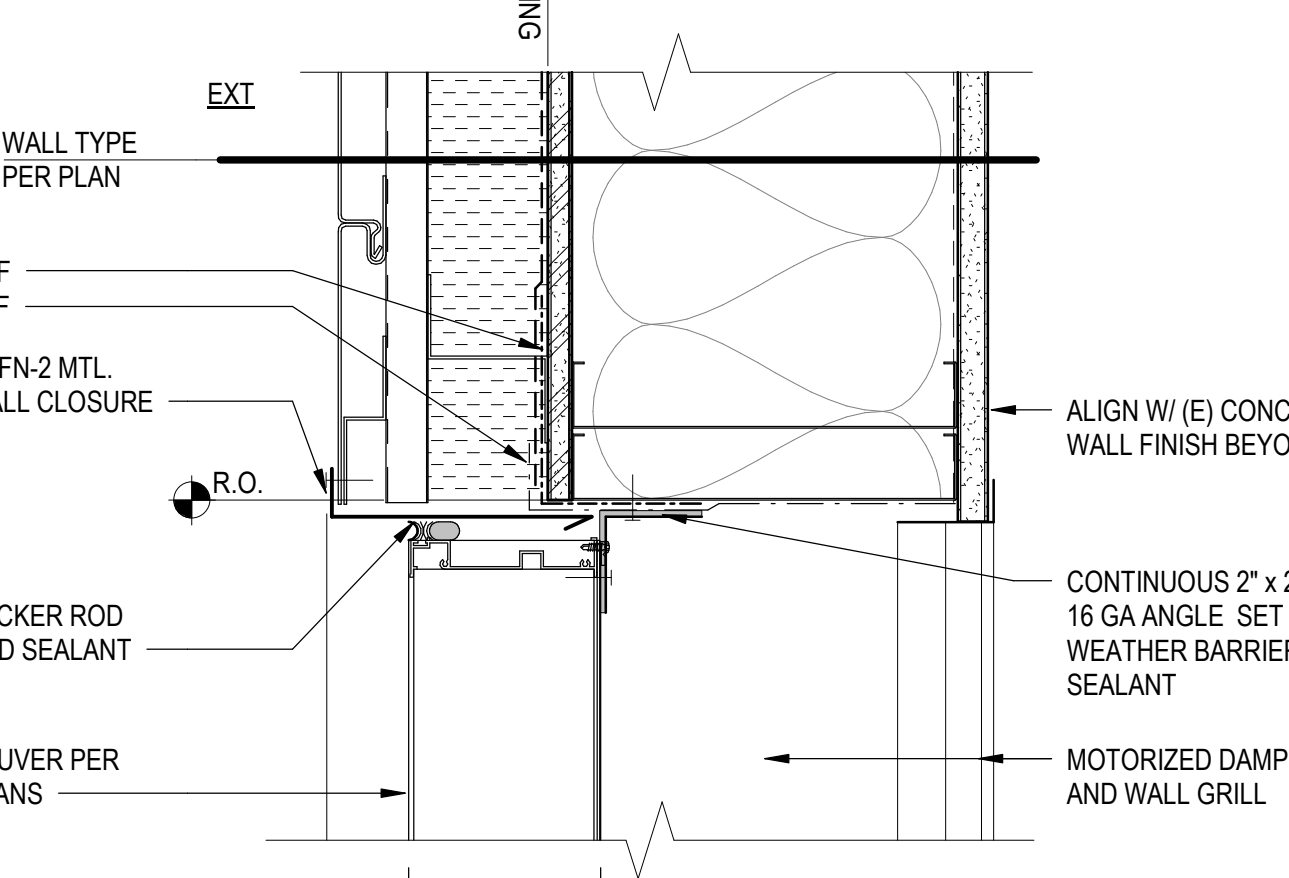
16 STOREFRONT @ ADMIN - SILL
SCALE: 3" = 1'-0"



12 STOREFRONT @ ADMIN - JAMB
SCALE: 3" = 1'-0"

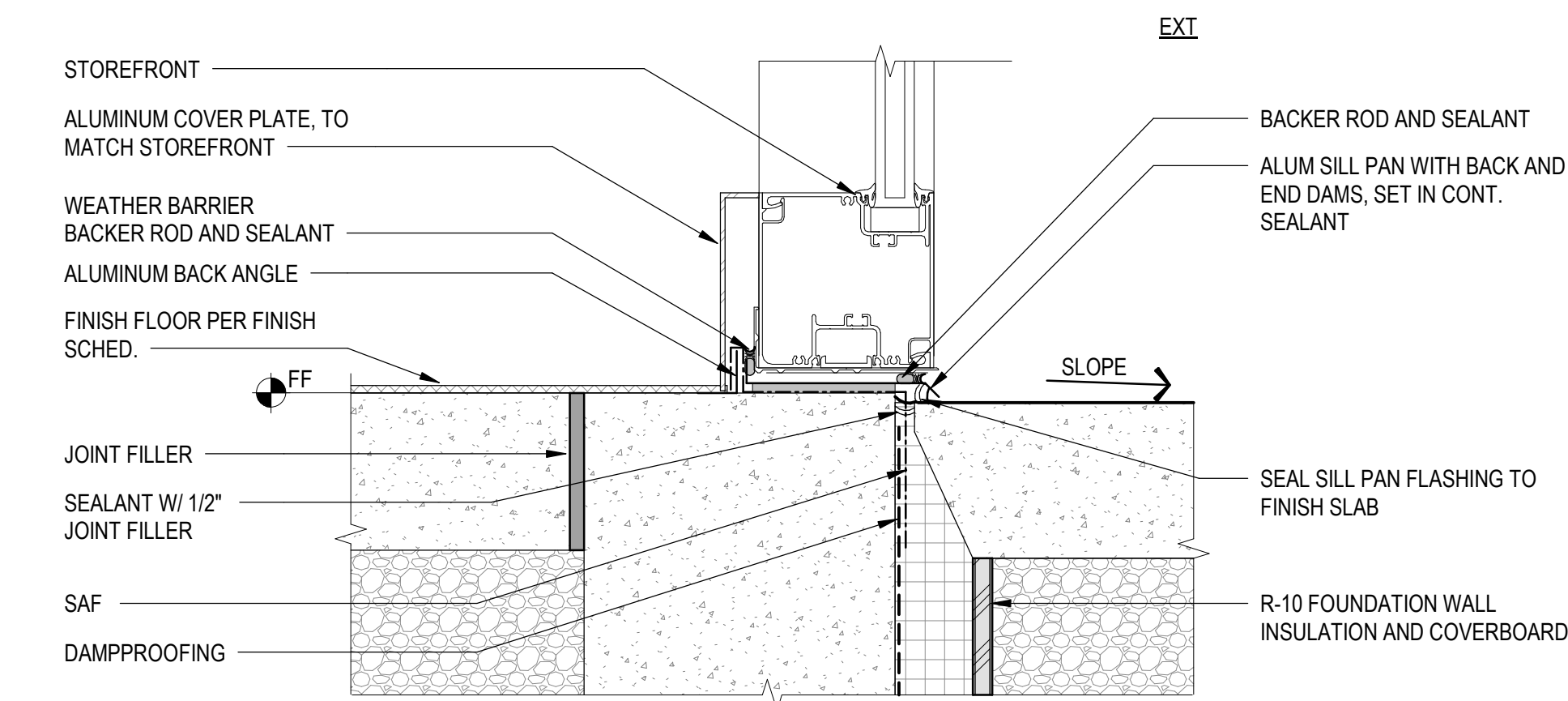


8 STOREFRONT @ CAFETERIA MP1 - JAMB
SCALE: 3" = 1'-0"

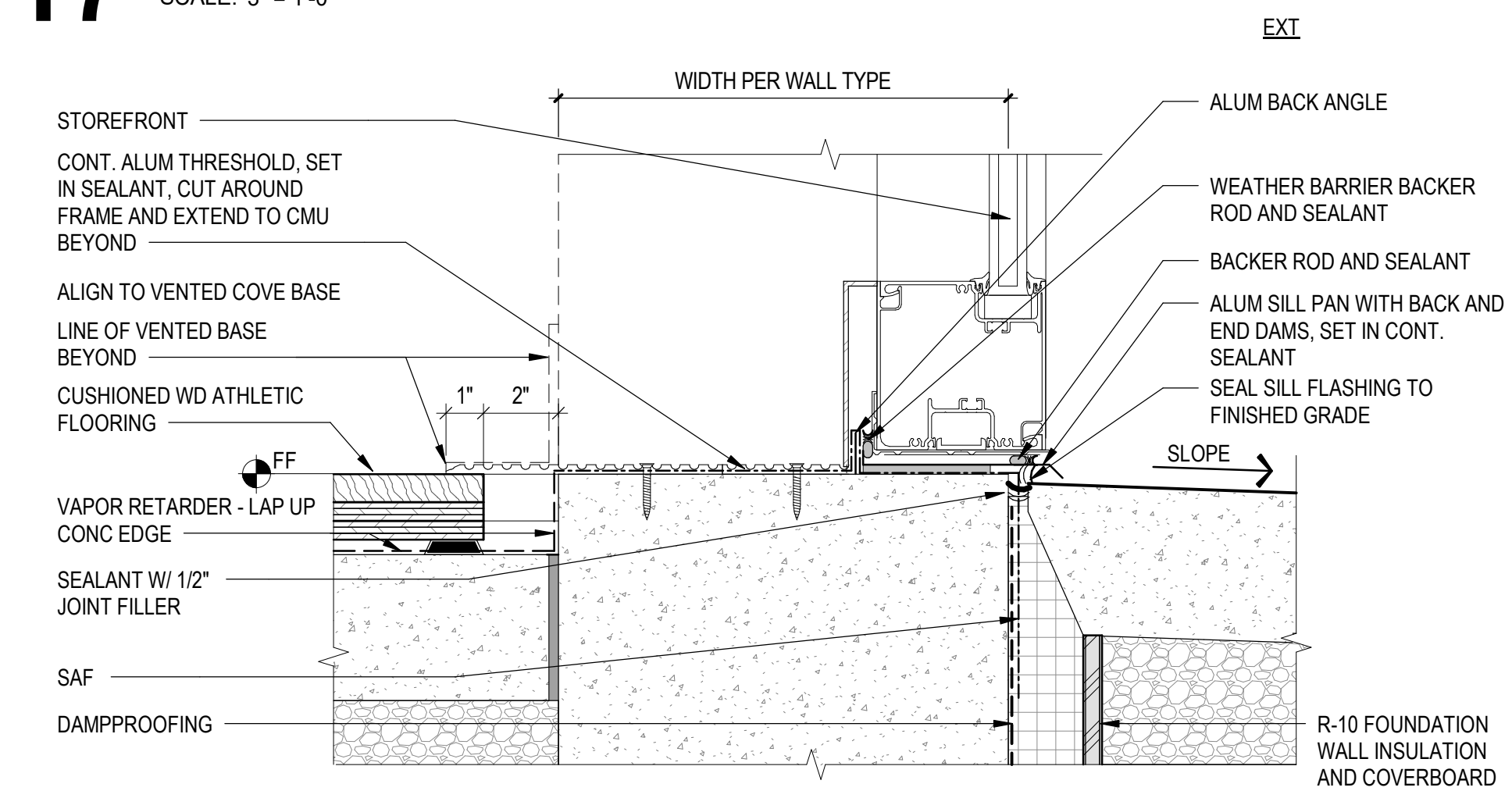


4 LOUVER @ CAFETERIA STOREFRONT - JAMB
SCALE: 3" = 1'-0"

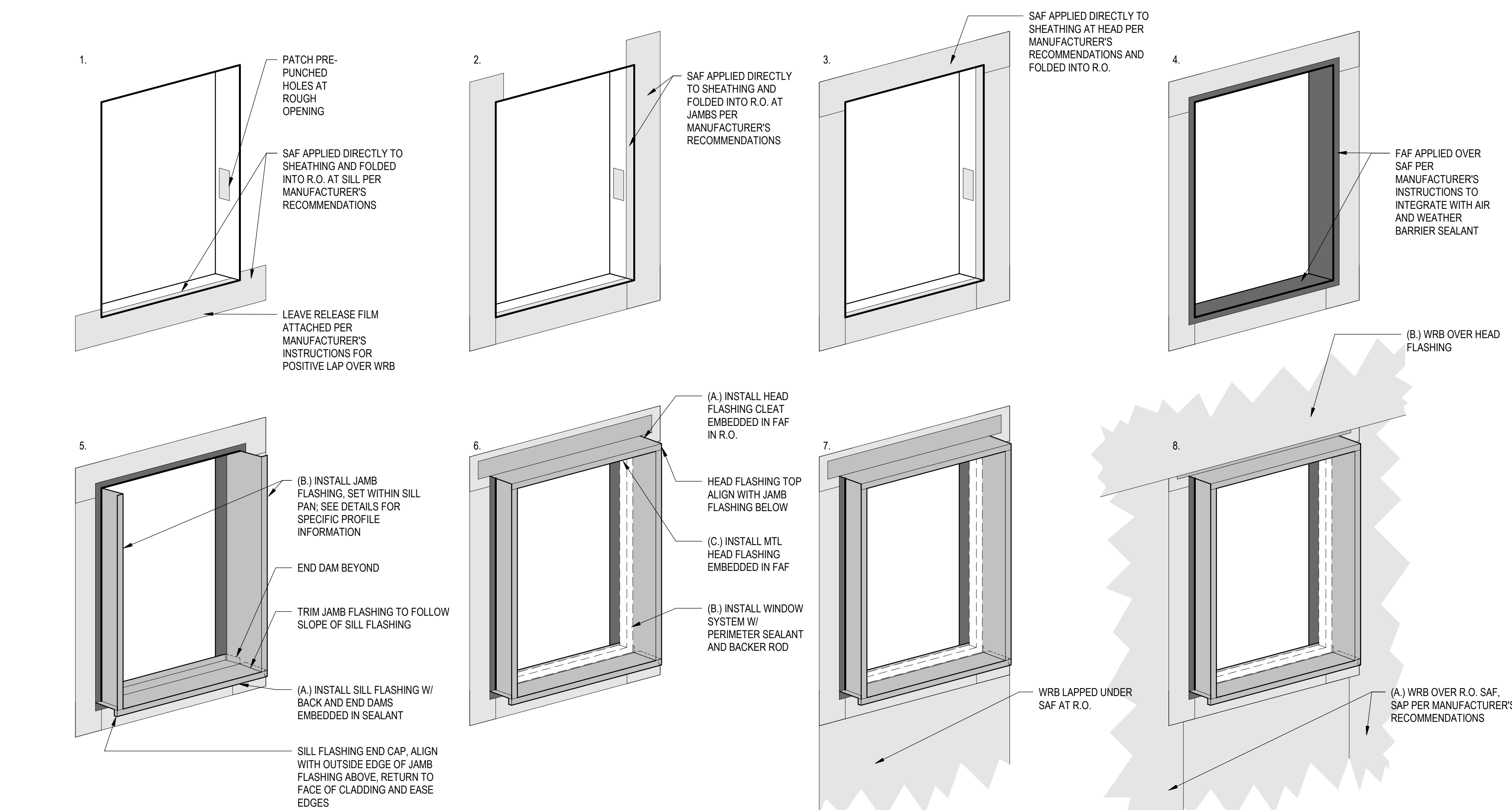
Date:	05/28/2021
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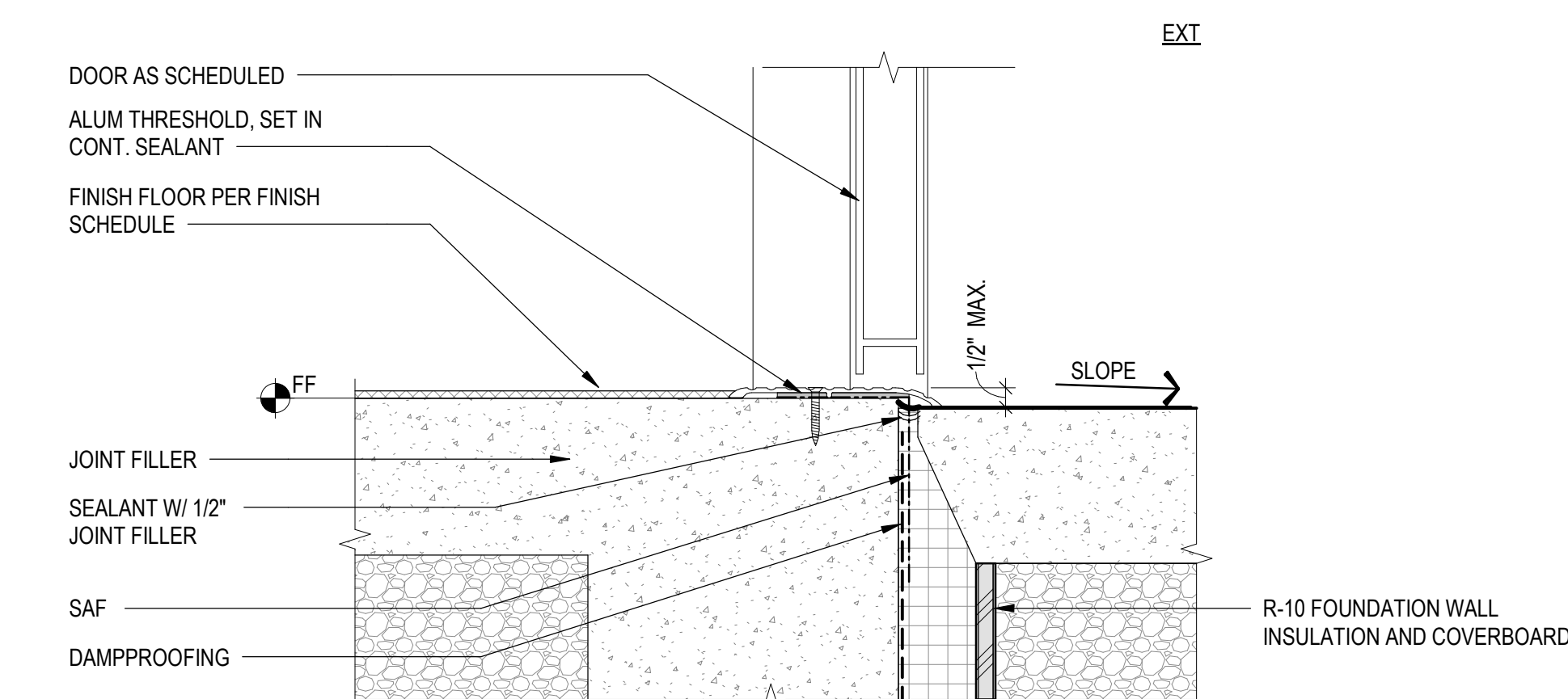
17 SF SILL @ VESTIBULE
SCALE: 3" = 1'-0"



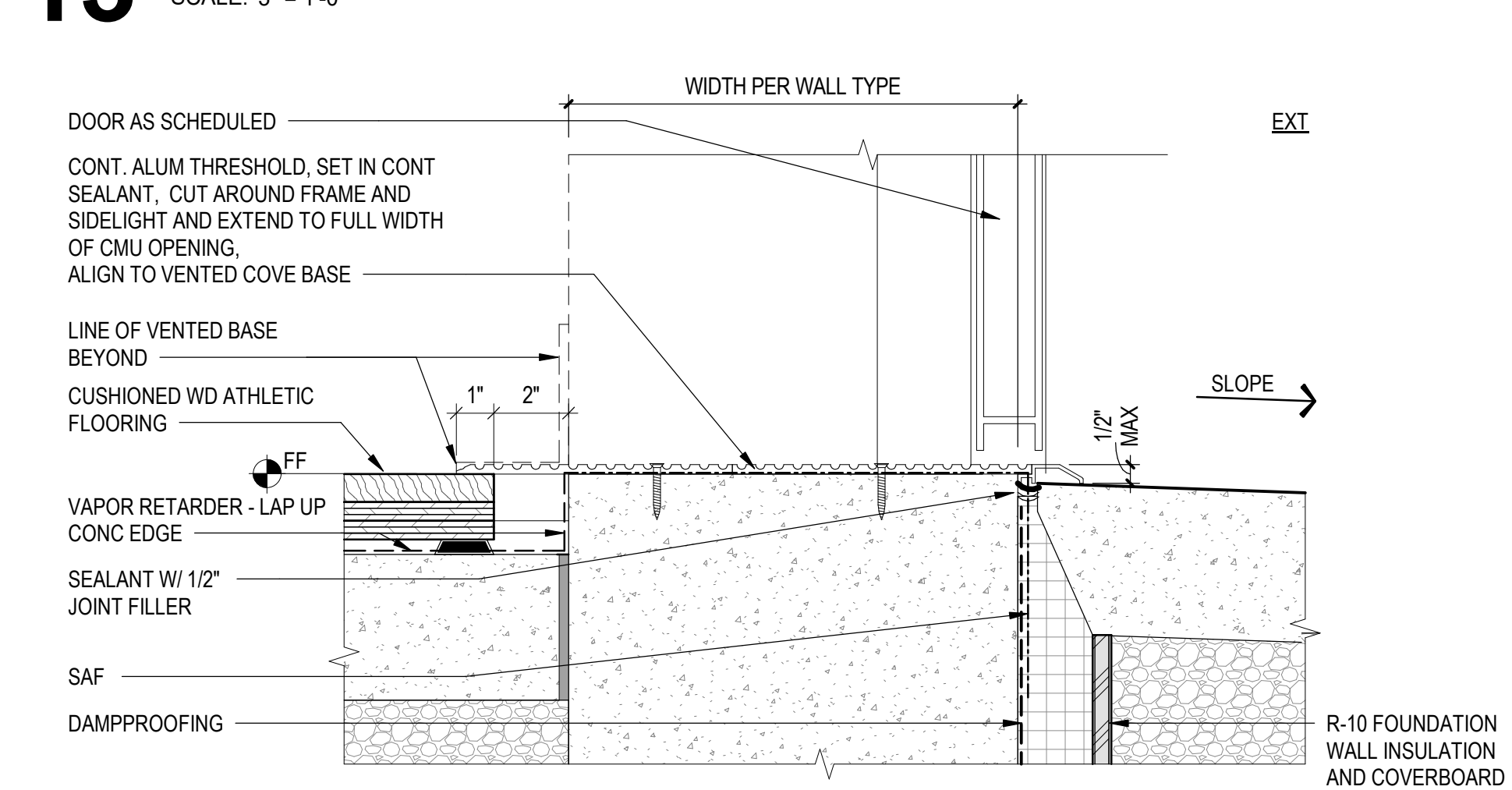
18 SF SILL @ GYM FLOOR
SCALE: 3" = 1'-0"



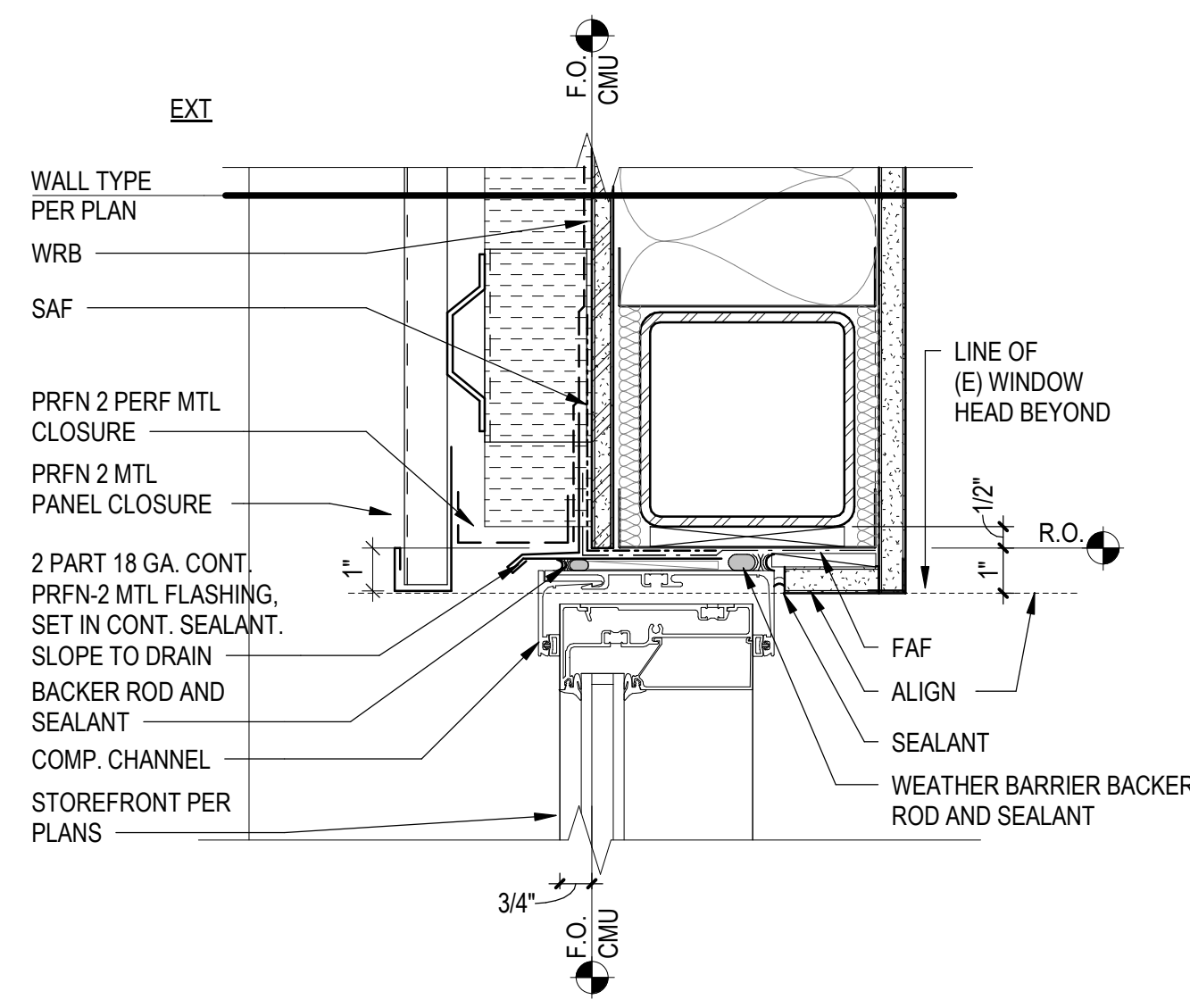
20 R.O. SEQUENCING CONFIGURATION
SCALE: 1/2" = 1'-0"



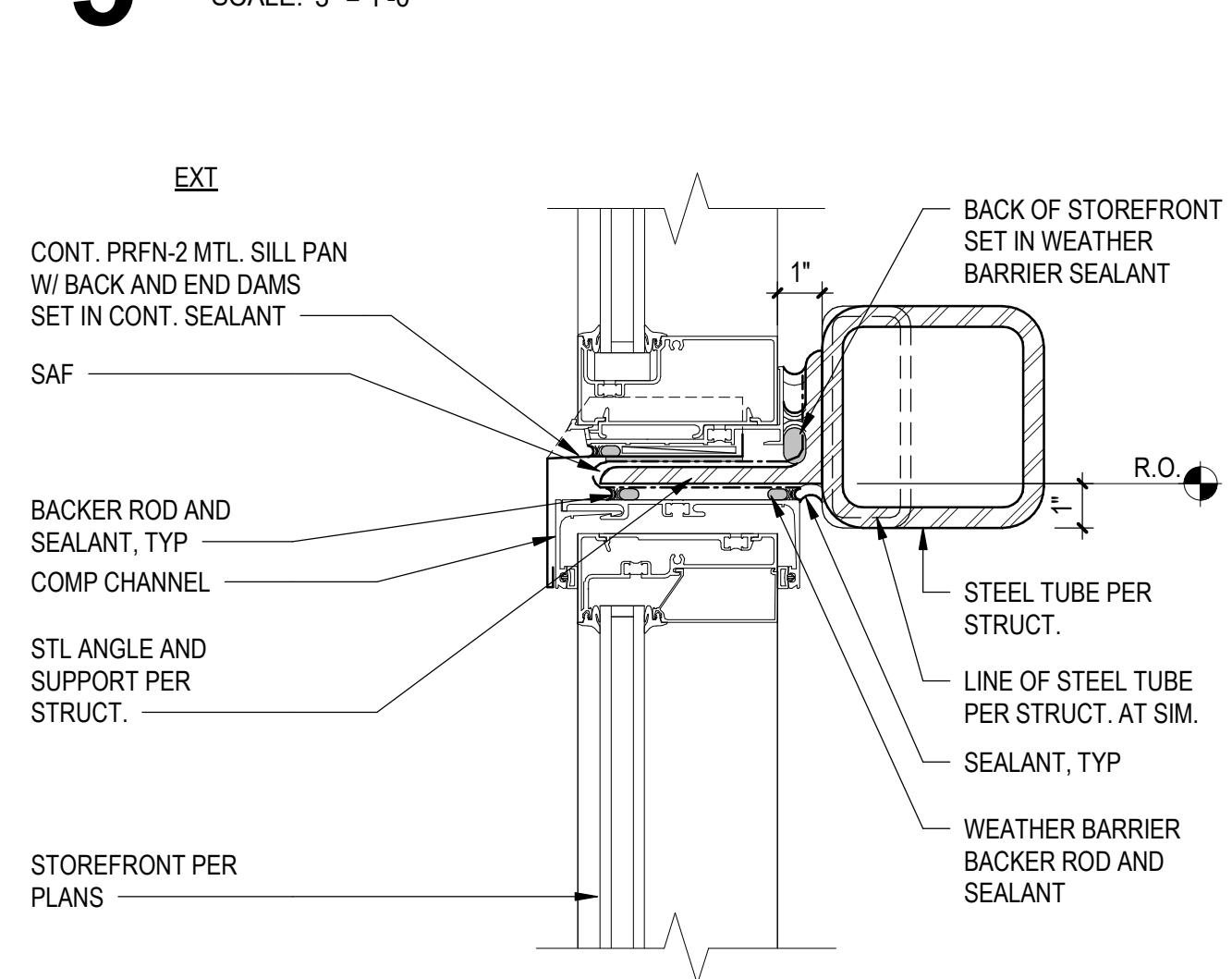
13 SF DOOR THRESHOLD @ VESTIBULE
SCALE: 3" = 1'-0"



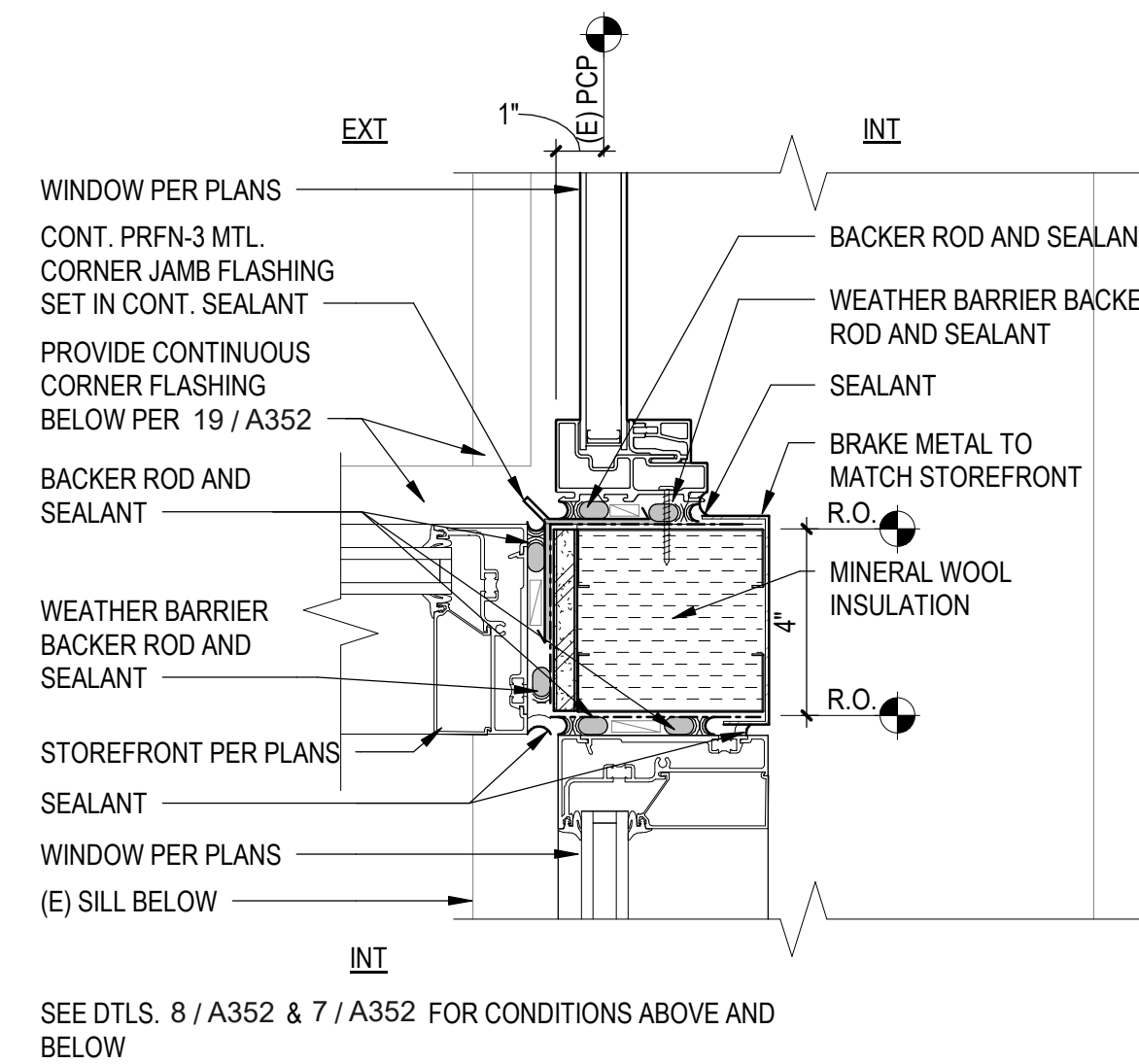
14 SF DOOR THRESHOLD @ GYM FLOOR
SCALE: 3" = 1'-0"



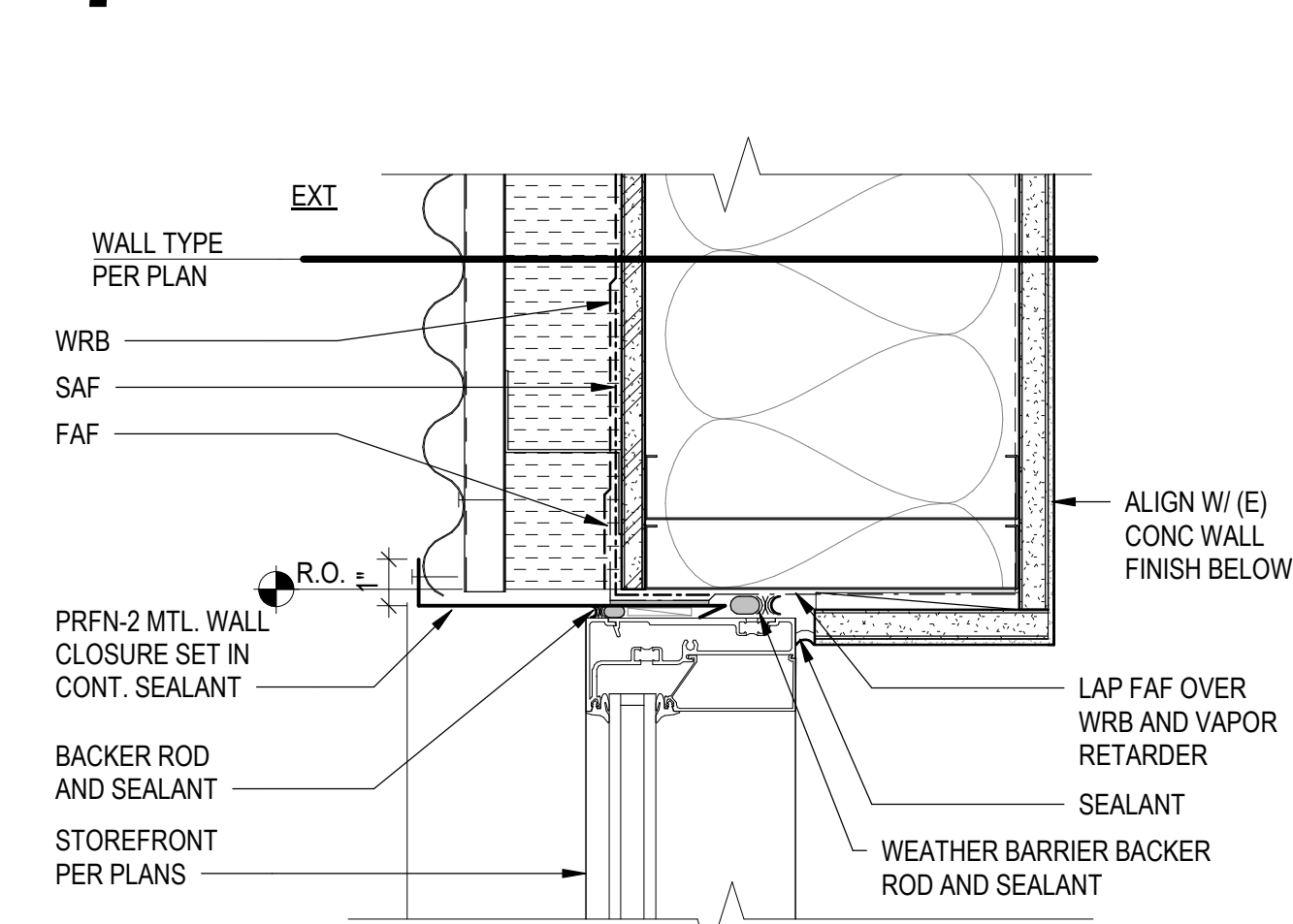
5 STOREFRONT @ METAL PANEL - HEAD
SCALE: 3" = 1'-0"



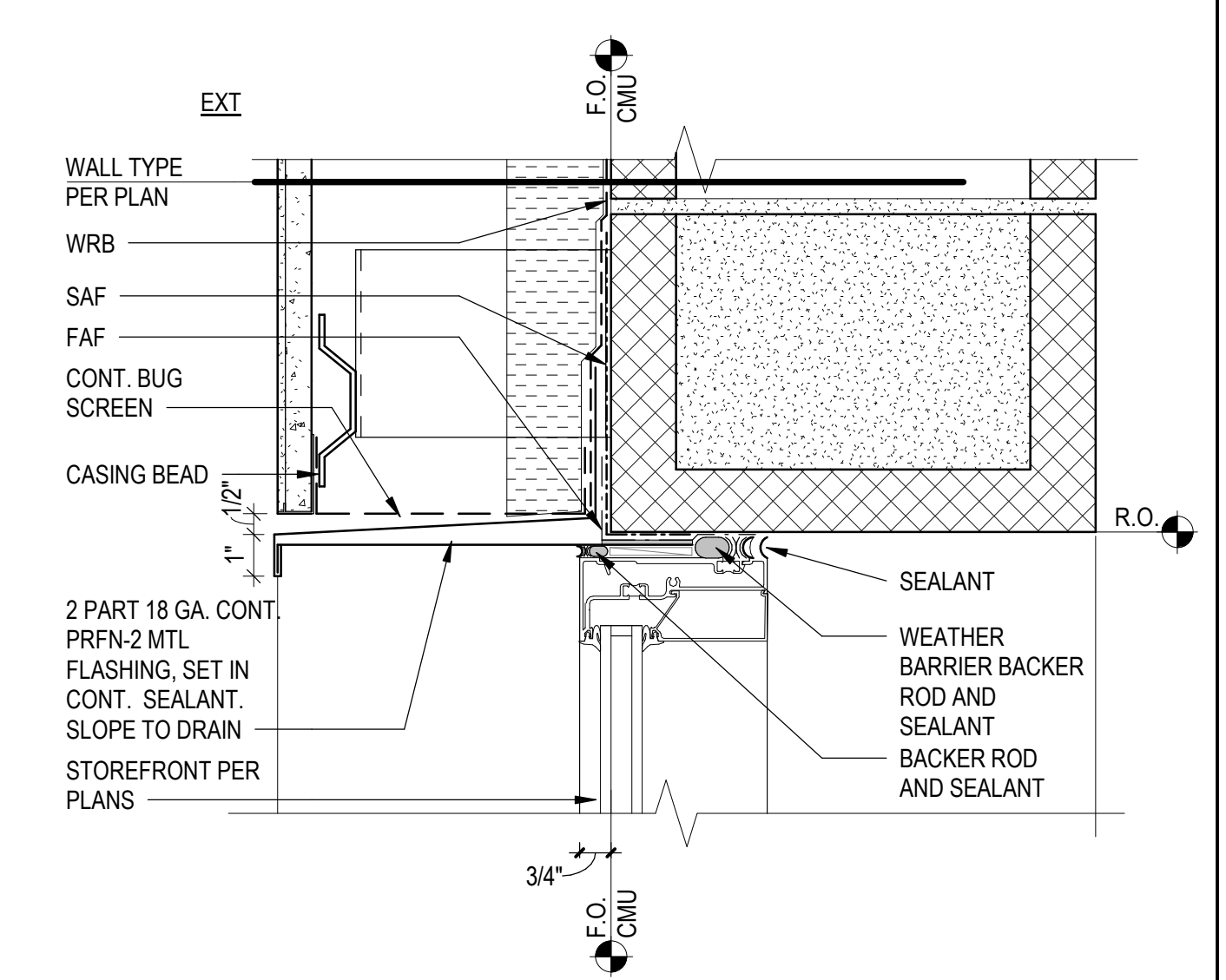
6 STOREFRONT @ BEAM SILL/HEAD
SCALE: 3" = 1'-0"



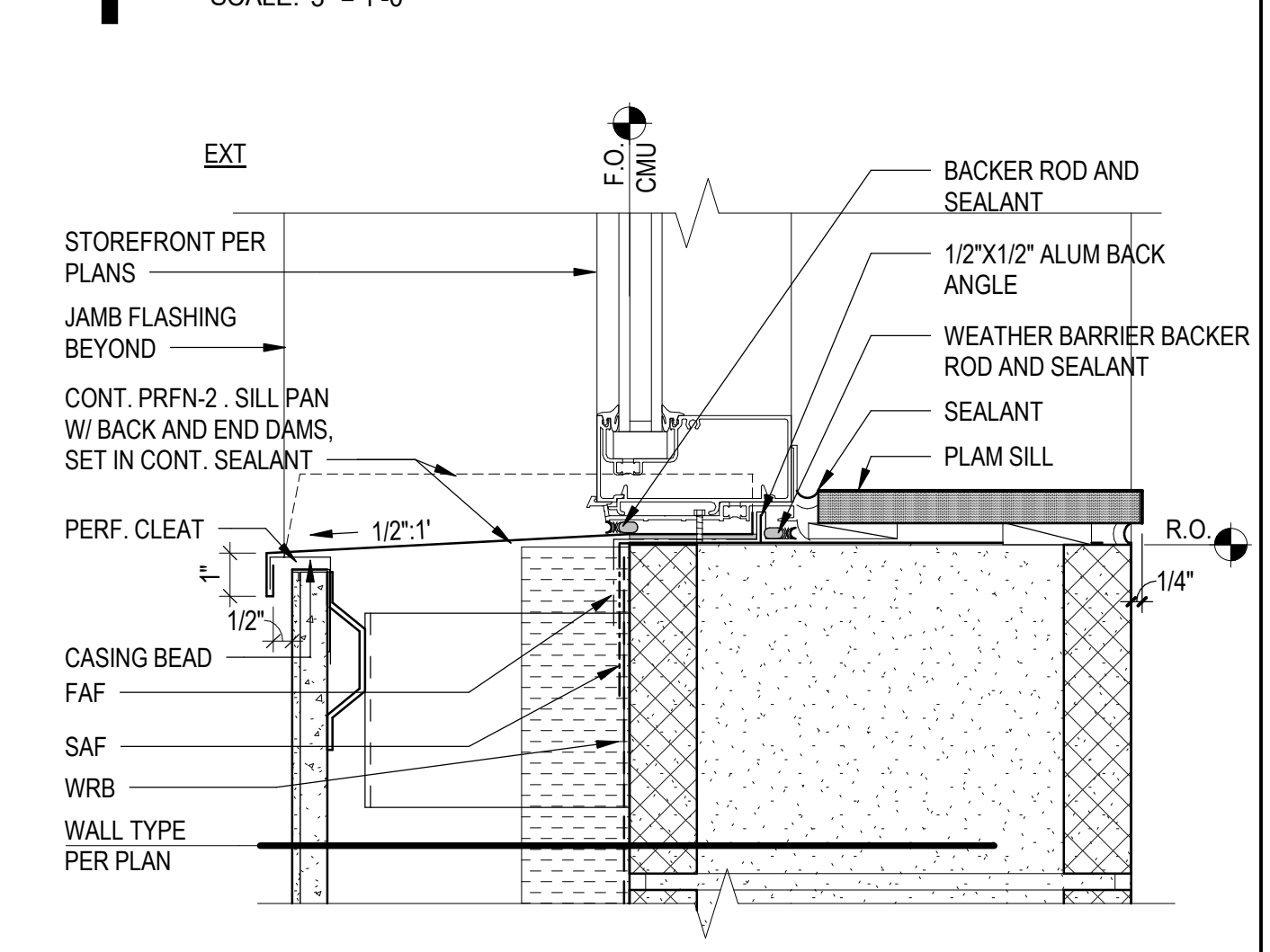
7 SF/WINDOW MULLION @ ADMIN - JAMB
SCALE: 3" = 1'-0"



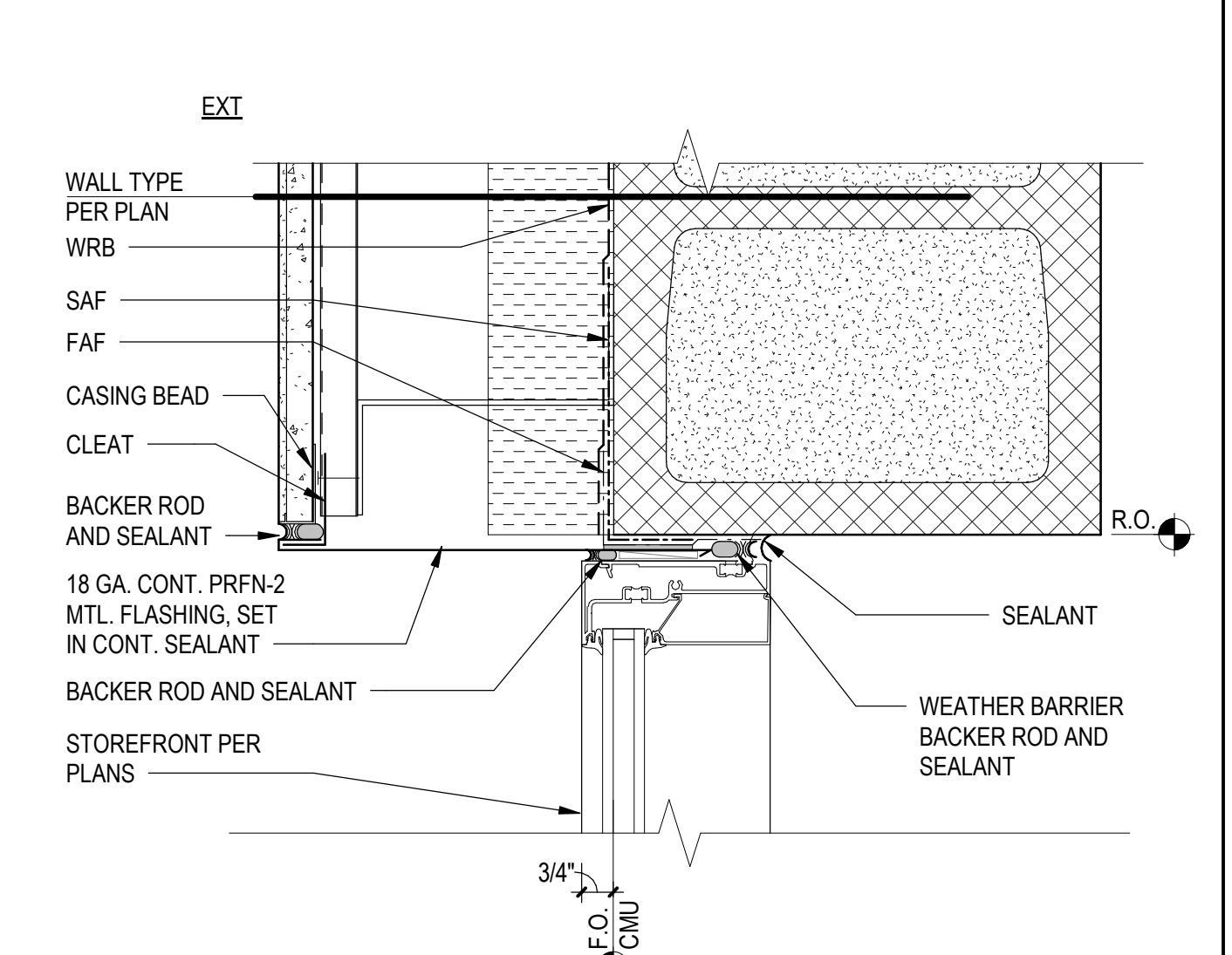
8 STOREFRONT @ MP-2 - JAMB
SCALE: 3" = 1'-0"



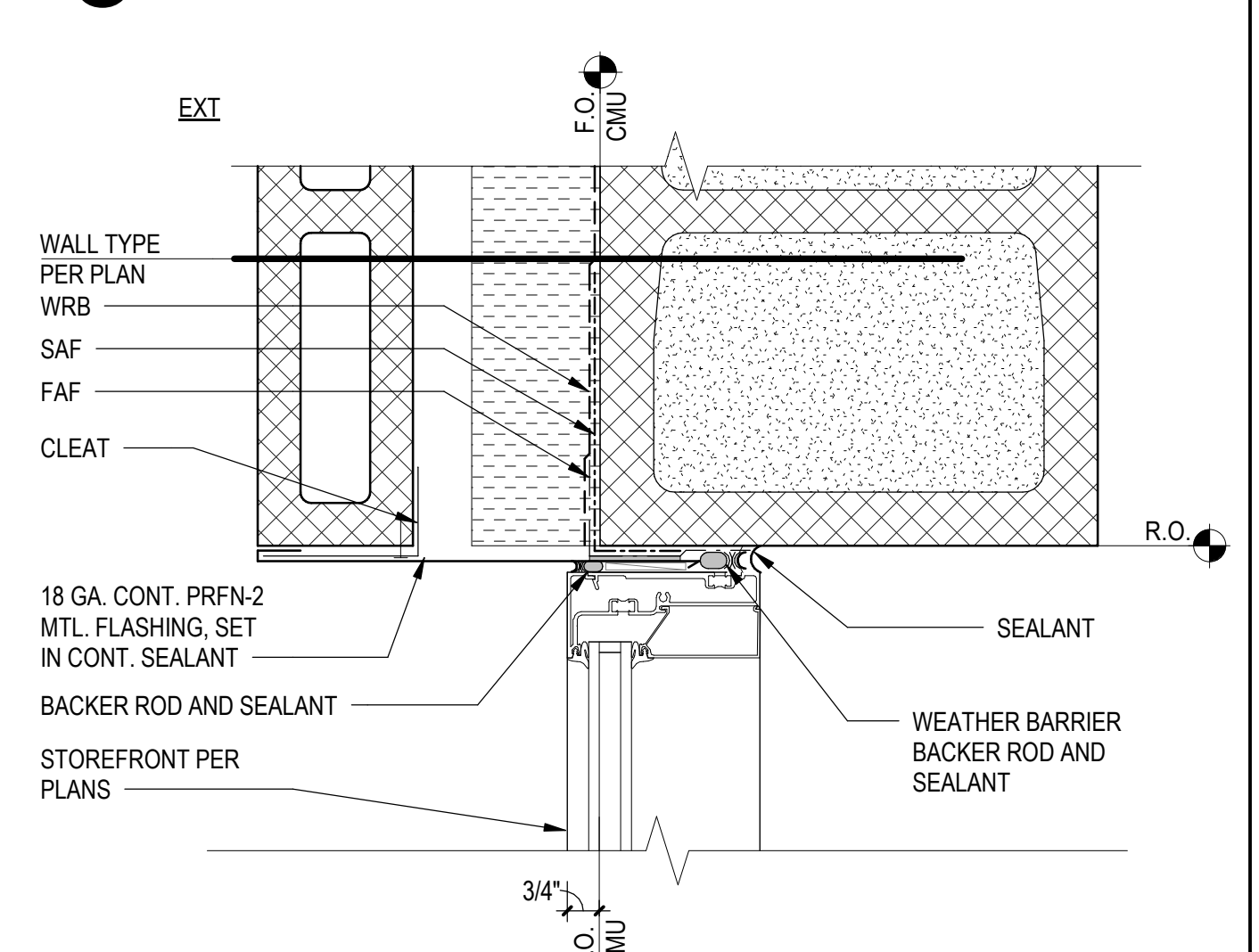
1 STOREFRONT @ APP-1 - HEAD
SCALE: 3" = 1'-0"



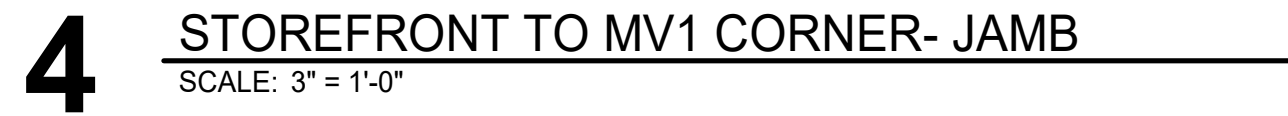
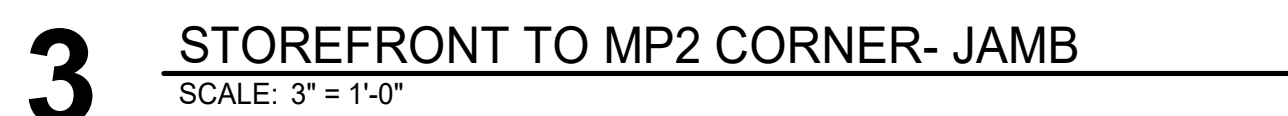
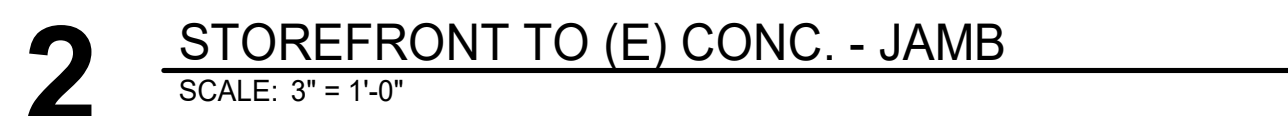
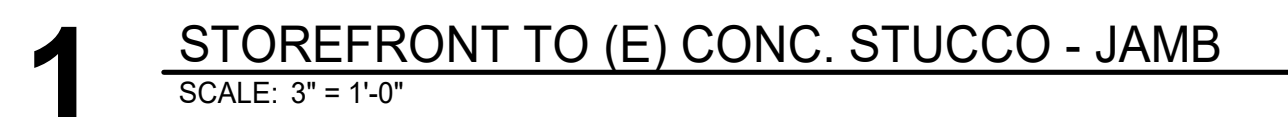
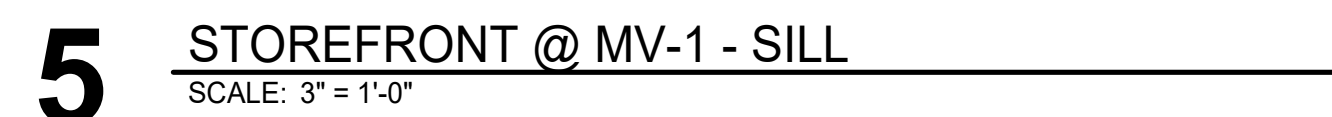
2 STOREFRONT @ APP-1 - SILL
SCALE: 3" = 1'-0"



3 STOREFRONT @ APP-1 - JAMB
SCALE: 3" = 1'-0"



4 STOREFRONT @ MV-1 - JAMB
SCALE: 3" = 1'-0"



ROOM SIGNAGE SCHEDULE						
Number	Name	SIGN TYPE	DOOR NO.	MOUNTING LOCATION	TEXT	CODED NOTES
001	VEST		001.003		-	
001A	EMR		0011A		001A EMR	
002	STORAGE		002		002 STORAGE	
003	STORAGE		003		003 STORAGE	
004	CORR.		001A		-	
005	OFFICE	A1	005	3	005 OFFICE	-
006	STAFF TLT	D2	006A	1	006 STAFF TLT	3
006A	CLOSET	-	-	-	006A CLOSET	-
007	BOYS LOCKER ROOM	D1	004, 007A	1	007 BOYS LOCKER ROOM	2
008	TLT/ SHOWER	D1	-	1	008 TLT / SHOWER	2
009	STORAGE	B1	009	1	009 STORAGE	-
010	STORAGE	B1	007	1	010 STORAGE	-
011	VESTIBULE	-	007A	-	-	-
012	CAFETERIA	J1, L1	012, 012C, 016A, 016B	2A, 5, 9	012 CAFETERIA	6,10
013	BOYS	D1	013	1	013 BOYS	2
015	GIRLS	D1	015	1	015 GIRLS	1
016	KITCHEN	-	-	-	016 KITCHEN	-
016A	SERVING	B1, H1	16	7A,7B	016A SERVING	6,11
016B	CORRIDOR	B1	016C	9	016 KITCHEN	-
017	A LA CARTE	B1	017	1	017 A LA CARTE	-
018	KITCHEN OFFICE	A1	018	3	018 KITCHEN OFFICE	-
019	STAFF TLT	D2	019	1	019 STAFF TLT	3
020	KITCHEN STORAGE	B1	020	1	020 KITCHEN STORAGE	-
021	WASHING	B1	021	1	021 WASHING	-
022	COOLER	B1	-	1	022 REFER ROOM	-
023	FREEZER	B1	-	1	023 COOL STORAGE	-
030	CORR.	B1	040B	1	-	-
031	FAN ROOM	B1	031	1	031 FAN ROOM	-
033	BOILER ROOM	B1	033	1	033 BOILER ROOM	-
033A	CLOSET	B1	033A	1	033A CLOSET	-
034	WORK ROOM	B1	034	1	034 WORK ROOM	-
035	MDF	B1	035	1	035 MDF	-
036	CORR.	-	-	-	-	-
037	STORAGE	B1	037	1	037 STORAGE	-
038	LAUNDRY	B1	038	1	038 LAUNDRY	-
039	STORAGE	B1	039	1	039 STORAGE	-
040	CORRIDOR	-	-	-	-	-
040A	STAIR 1	L1	-	5	-	6,10
040B	STAIR B	L1	-	5	-	6,10
041	OFFICE	A1	041	3	041 OFFICE	-
041A	STAFF TLT	D2	041A	1	041A STAFF TLT	3
042	VESTIBULE	-	-	-	042 VESTIBULE	-
043	GIRLS LOCKER ROOM	D1	046,036A	1	043 GIRLS LOCKER ROOM	1
044	STAIR E	L1	-	5	-	-
045	TLT/ SHOWER	D1	-	1	045 TLT / SHOWER	1
046	VESTIBULE	L1	046	5	-	6,10
047	STORAGE	B1	047	1	047 STORAGE	-
050	STAIR F	L1	050	5	-	6,10
051	ELEV.	E1	051A	1	-	-
060	VESTIBULE	L1, R1, K1, G-1, M1	060, 060A, 060C, 060B	5,6	-	5, 6, 9, 10,12,13
061	AUXILIARY GYM	A1,C1,H1,J1,L1	061,061B	2A,3, 5	061 AUXILIARY GYM	6,11
062	RESTROOM	D2	062	1	062 RESTROOM	3
063	RESTROOM	D2	063	1	063 RESTROOM	3
064	CUST.	B1	065	1	064 CUST.	-
065	GYM STORAGE	B1	064	1	065 GYM STORAGE	-
066	CORRIDOR	-	-	-	066 CORRIDOR	-
101	CLASSROOM	B1,H1	101	1	101 CLASSROOM	11

ROOM SIGNAGE SCHEDULE						
Number	Name	SIGN TYPE	DOOR NO.	MOUNTING LOCATION	TEXT	CODED NOTES
102	CLASSROOM	B1,H1	102	1	102 CLASSROOM	11
103	CLASSROOM	B1,H1	103	1	103 CLASSROOM	11
104	BOYS	D1	104	1	104 BOYS	2
105	GIRLS	D1	105	1	105 GIRLS	1
106	CUST.	B1	106	1	106 CUST.	-
107	SPECIAL ED	B1,H1	107	1	107 SPECIAL ED	11
108	SPECIAL ED	B1,H1	108B	1	108 SPECIAL ED	11
108A	STORAGE	B1	108A	1	108A STORAGE	-
109	CONF.	B1,H1	109A	1	109 CONF.	-
110	FACULTY ROOM	B1	110	1	110 FACULTY ROOM	-
111	BOYS	D1	111	1	111 BOYS	2
112	GIRLS	D1	112	1	112 GIRLS	1
113	STUDENT STORE	B1	113, 113A	1	113 STUDENT STORE	-
114	FCS	B1,H1	114	1	114 FCS	11
115	PANTRY	B1	115	1	115 PANTRY	-
116	SCIENCE 101	B1,H1	116	1	116 SCIENCE 101	11
117	WORK ROOM	B1	117	1	117 WORK ROOM	-
120	CLASSROOM	B1,H1	120	1	120 CLASSROOM	11
121	SPECIAL ED	B1,H1	121A	1	121 SPECIAL ED	11
121A	SPECIAL ED	B1,H1	121	1	121A SPECIAL ED	11
122	CLASSROOM	B1,H1	122	1	122 CLASSROOM	11
123	SPECIAL ED - LIFE SKILLS	B1,H1	123	1	123 SPECIAL ED - LIFE SKILLS	11
124	COUNSELING WAITING	B1	124	1	124 COUNSELING WAITING	-
125	TSEC	A1	125	3	125 TSEC	-
126	OFFICE / COUNSELOR	A1	126	3	126 OFFICE / COUNSELOR	-
127	OFFICE / COUNSELOR	A1	127	3	127 OFFICE / COUNSELOR	-
128	OFFICE/ ASSISTANT	A1	128	3	128 OFFICE / ASSISTANT	-
129	OFFICE/ PSYCH.	A1	129	3	129 OFFICE / PSYCHE	-
130	V PRINCIPAL	A1	130	3	130 V PRINCIPAL	-
131	PRINCIPAL	A1	131	3	131 PRINCIPAL	-
132	CONF.	A1,B1	132, 132A	1,3	132 CONF.	-
133	STAFF TLT	D2	133	1	113 STAFF TLT	3
134	STAFF TLT	D2	134	1	134 STAFF TLT	3
135	HEALTH ROOM	A1	135	3	135 HEALTH ROOM	-
135A	TLT	D2	135A	1	135A TLT	3
136	FLEX ROOM	A1	136	3	136 FLEX ROOM	-
137	FLEX ROOM	A1	137	3	137 FLEX ROOM	-
138	MAIN OFFICE	B1	138	1	138 MAIN OFFICE	-
138A	WAITING	B1,M1	138A	1	138 MAIN OFFICE	-
138B	CORRIDOR	-	124A, 138B	-	-	-
139	VESTIBULE	B1	139	1	VESTIBULE 139	4
140	CORRIDOR	-	-	-	-	-
140A	STAIR A	L1	-	2	-	6,14
140B	STAIR B	-	-	-	-	-
140C	STAIR C	-	-	-	-	-
140D	STAIR D	-	-	-	-	-
142	VESTIBULE	B1	142	1	142 VESTIBULE	-
142A	STORAGE	B1	142A	1	142A	-
143	STAGE	L1	143, 144	5	143 STAGE	6,10
143A	STORAGE	B1	143A	1	143A STORAGE	-
143B	LIBRARY	B1,H1,J1,C1,L1	229, 229A	1,2A	229 LIBRARY	6,11
144	STAIR E	-	-	-	-	-
145	GYM	A1,C1,H1,J1,L1	145, 145A, 145B,	2A,3, 5	145 GYM	6,11
145A	GYM STORAGE	B1	145C	1	145A GYM STORAGE	-
146	INSTRUMENT VESTIBULE	B1	146	1	146 INSTRUMENT VESTIBULE	-
147	WORK ROOM	A1	147, 147A	3	147 WORK ROOM	-
148	MUSIC ROOM	B1,H1	148, 150	1	148 MUSIC	11

ROOM SIGNAGE SCHEDULE						
Number	Name	SIGN TYPE	DOOR NO.	MOUNTING LOCATION	TEXT	CODED NOTES
148A	PRACTICE	B1	148A	1	148A PRACTICE	-
148B	PRACTICE	B1	148B	1	148B PRACTICE	-
150	STAIR F	L1	150	2	-	6,14
151	ELEV.	E1	151	1	-	-
201	CLASSROOM	B1,H1	201	1	201 CLASSROOM	11
202	CLASSROOM	B1,H1	202	1	202 CLASSROOM	11
203	ART	B1,H1	203	1	203 ART	11
203A	STORAGE	B1	203A	1	203A STORAGE	-
203B	KILN ROOM	B1	203B	1	203B KILN ROOM	-
204	BOYS	D1	204	1	204 BOYS	2
205	GIRLS	D1	205	1	205 GIRLS	1
207	CLASSROOM	B1,H1	207	1	207 CLASSROOM	11
208	CLASSROOM	B1,H1	208	1	208 CLASSROOM	11
209	SCIENCE 203	B1,H1	209B	1	209 SCIENCE 203	11
210	CORR.	-	-	-	-	-
210A	SCIENCE PREP	B1	210	1	210A SCIENCE PREP	-
211	BOYS	D1	211	1	212 BOYS	2
212	GIRLS	D1	212	1	212 GIRLS	1
213	STAFF TLT	D2	213	1	213 STAFF TLT.	3
214	SCIENCE 202	B1,H1	214, 214A, 214B	1	214 SCIENCE 202	11
215	SPEECH	B1	215	1	215 SPEECH	-
216	SCIENCE 201	B1,H1	201A	1	216 SCIENCE 201	11
220	CLASSROOM	B1,H1	220	1	220 CLASSROOM	11
221	CLASSROOM	B1,H1	221	1	221 CLASSROOM	11
222	CLASSROOM	B1,H1	222	1	222 CLASSROOM	11
223	CLASSROOM	B1,H1	233	1	223 CLASSROOM	11
224	VESTIBULE	B1	224	1	224 VESTIBULE	-
225	IDF	B1	225	1	225 IDF	-
226	OFFICE/ INST. COACH	B1	226	1	226 OFFICE/ INST. COACH	-
227	ISS	B1	227	1	227 ISS	-
228	CUST.	B1	228	1	228 CUST.	-
229	LIBRARY	B1,H1,J1,C1,L1	229, 229A	1,2A	229 LIBRARY	6,11
230	WORK ROOM	B1	230	1	230 WORK ROOM	-
240	CORRIDOR	-	-	-	-	-
240A	STAIR A	-	-	-	-	-
240B	STAIR B	-	-	-	-	-
240C	STAIR C	-	-	-	-	-
240D	STAIR D	-	-	-	-	-
242	EVACUATION ASSISTANCE	B1	242A	1	242 EVACUATION ASSISTANCE	-
242B	CORRIDOR	-	-	-	-	-
243	STORAGE	B1	243	1	243 STORAGE	-
244	MECH.	-	-	-	244 MECH	-
245	MECH.	-	-	-	245 MECH.	-
251	ELEV.	E1	251	1	-	-

SIGNAGE CODED NOTES

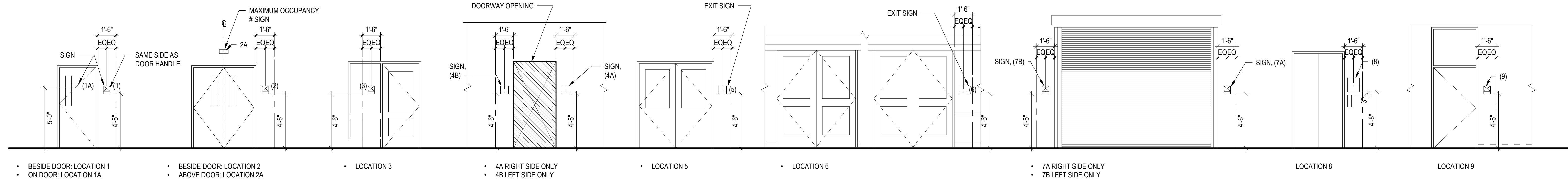
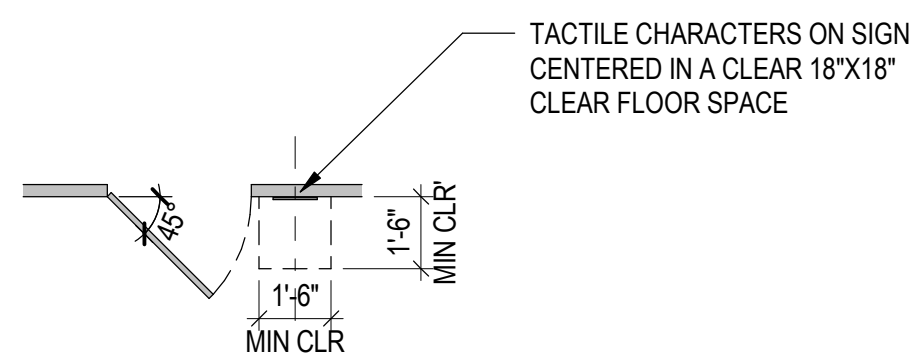
1. FEMALE PICTOGRAM WITH INTERNATIONAL HC SYMBOL.
2. MALE PICTOGRAM WITH INTERNATIONAL HC SYMBOL.
3. FEMALE/MALE PICTOGRAM WITH INTERNATIONAL HC SYMBOL.
4. SIGNS TO BE POSTED AT ALL LEVELS OF ELEVATOR STOP LOCATIONS.
5. MAIN ENTRANCE SIGN, LOCATION TO BE DETERMINED BY ARCHITECT.
6. LOCATE EXIT SIGNS AT ALL EXIT STAIRWAYS AND EXIT DISCHARGE LOCATIONS.
7. NOT USED
8. NOT USED
9. NOT USED
10. LOCATE L1 AT PUSH SIDE.
11. PROVIDE EVACUATION SIGN (H1) PER ROOM LISTED. TO BE LOCATED IN FIELD.
12. SIGNS W1 & Q1 OR LOCATED IN FIELD BY ARCHITECT
13. SIGNS K1 AND M1 TO BE MOUNTED AT EXTERIOR PER OWNER'S DIRECTION.
14. NOT USED
15. NOT USED

SIGNAGE GENERAL NOTES

1. VERIFY ALL TEXT WITH OWNER PRIOR TO FABRICATION.
2. VERIFY ALL ROOM #'S WITH ARCHITECT PRIOR TO FABRICATION.
3. MOUNT SIGN ON WALL PERPENDICULAR TO DOOR WHERE DOOR SWING DOES NOT INTERFERE WITH SIGN ACCESSIBILITY
4. SEE SIGNAGE DRAWINGS FOR MOUNTING METHODS AT WALLS AND RELITES.
- A. FOR MOUNTING AT RELITES, USE DOUBLE STICK TAPE WITH CUSTOM BACK PANEL ON OPPOSITE SIDE OF RELITE. DO NOT ADD HOLES TO SIGN.
- B. FOR INTERIOR WALL MOUNTING, USE TAMPERPROOF SCREWS
- C. FOR EXTERIOR WALL MOUNTING, USE EXTERIOR GRADE TAMPERPROOF SCREWS.
- D. FOR CUSTOM IMAGES, REFER TO ARCHITECT'S SAMPLE.
5. VERIFY THAT ALL MOUNTING LOCATIONS ARE ADA COMPLIANT.
6. COORDINATE SIGNS WITH ALL SURFACE MOUNTED ELEMENTS BEFORE INSTALLATION.
7. MOUNT SIGN AT LATCH SIDE OF DOOR, WHERE NECESSARY, MOUNT 6" FROM CORNER AT PERPENDICULAR WALL.
8. REFER TO A721 & A722 FOR SIGNAGE TYPES.
9. NO SIGN TEXT SHALL BE MOUNTED HIGHER THAN 5'-0" FROM THE BOTTOM OF THE TOP LINE OF TEXT, PER CODE.
10. PROVIDE ONE SIGN PER EACH INTERIOR/EXTERIOR DOOR OR DOOR PAIR LOCATION, UNO.
11. REFER TO SIGNAGE MOUNTING FLOOR PLAN FOR SIGNAGE CLEARANCE AT LATCH SIDE OF DOOR.

SIGNAGE MOUNTING FLOOR PLAN

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



SIGNAGE MOUNTING LOCATIONS

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

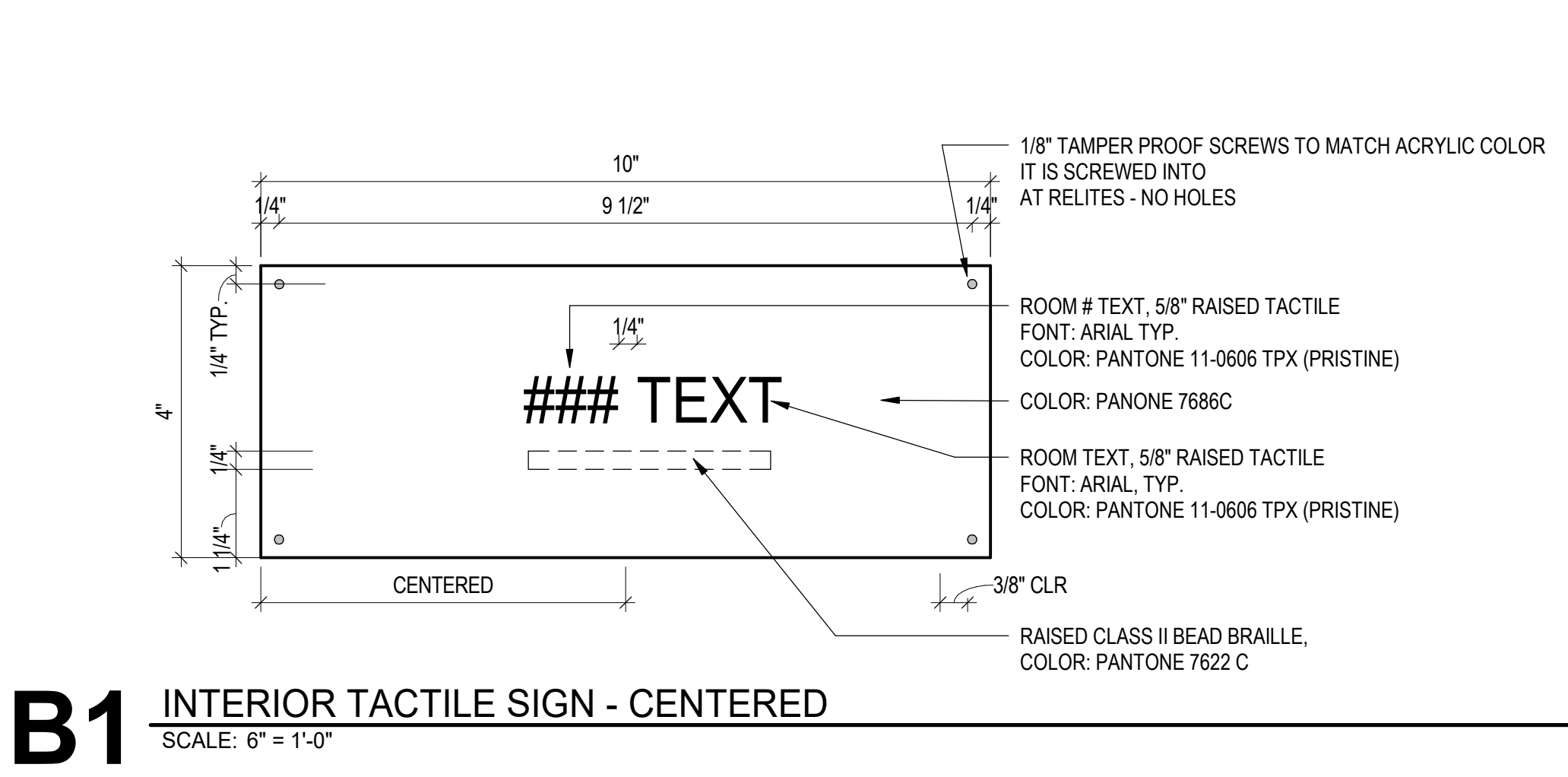
KELSO SCHOOL DISTRICT NO. 458
HUNTINGTON MIDDLE SCHOOL -
MODERNIZATION AND ADDITION

500 REDPATH ST, KELSO, WA 98626

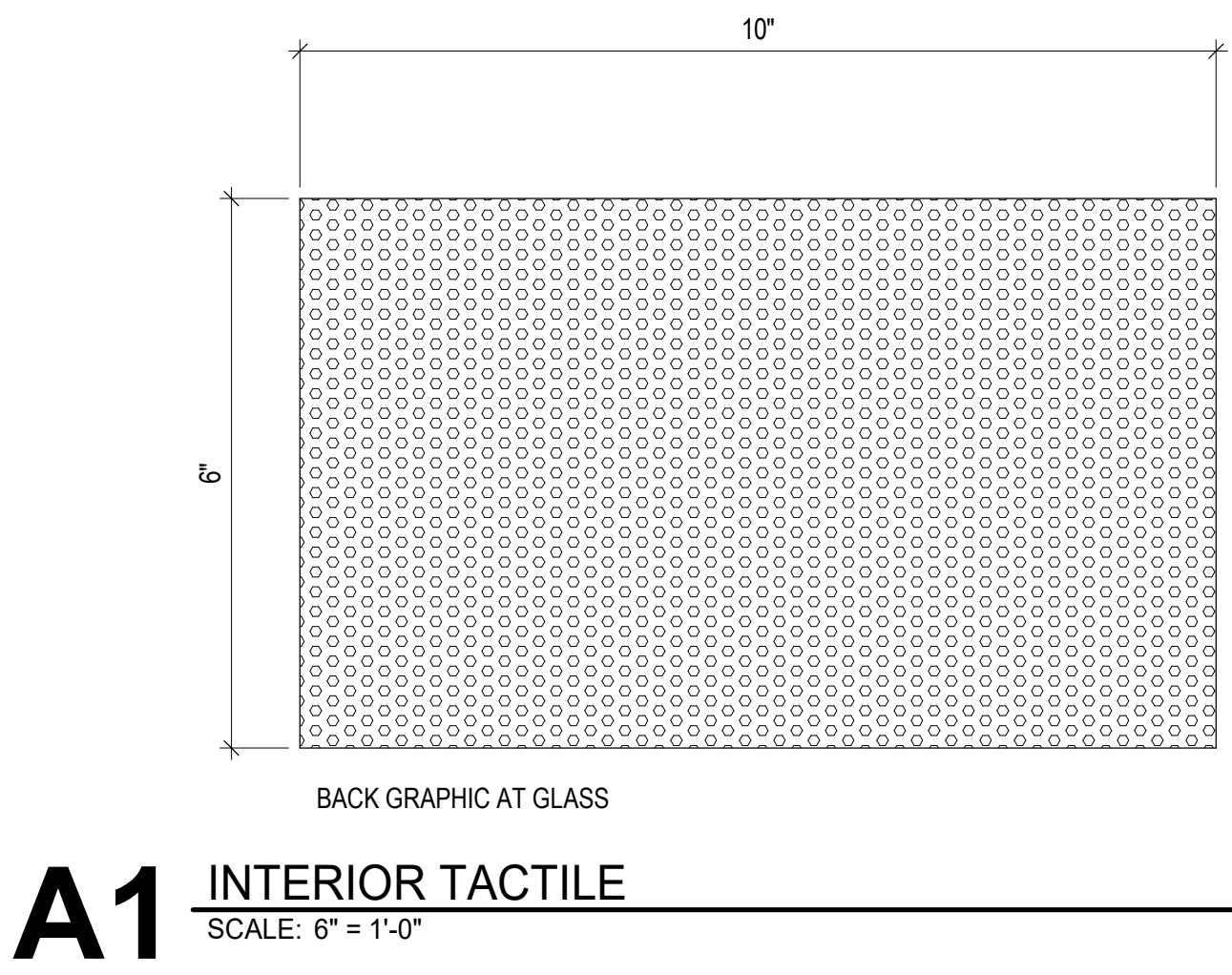
Date:	05/28/2021
Job No.:	21938.00
Drawn By:	SQ
Checked by:	SS
Revisions	
#	Date Description

SIGNAGE
SCHEDULE

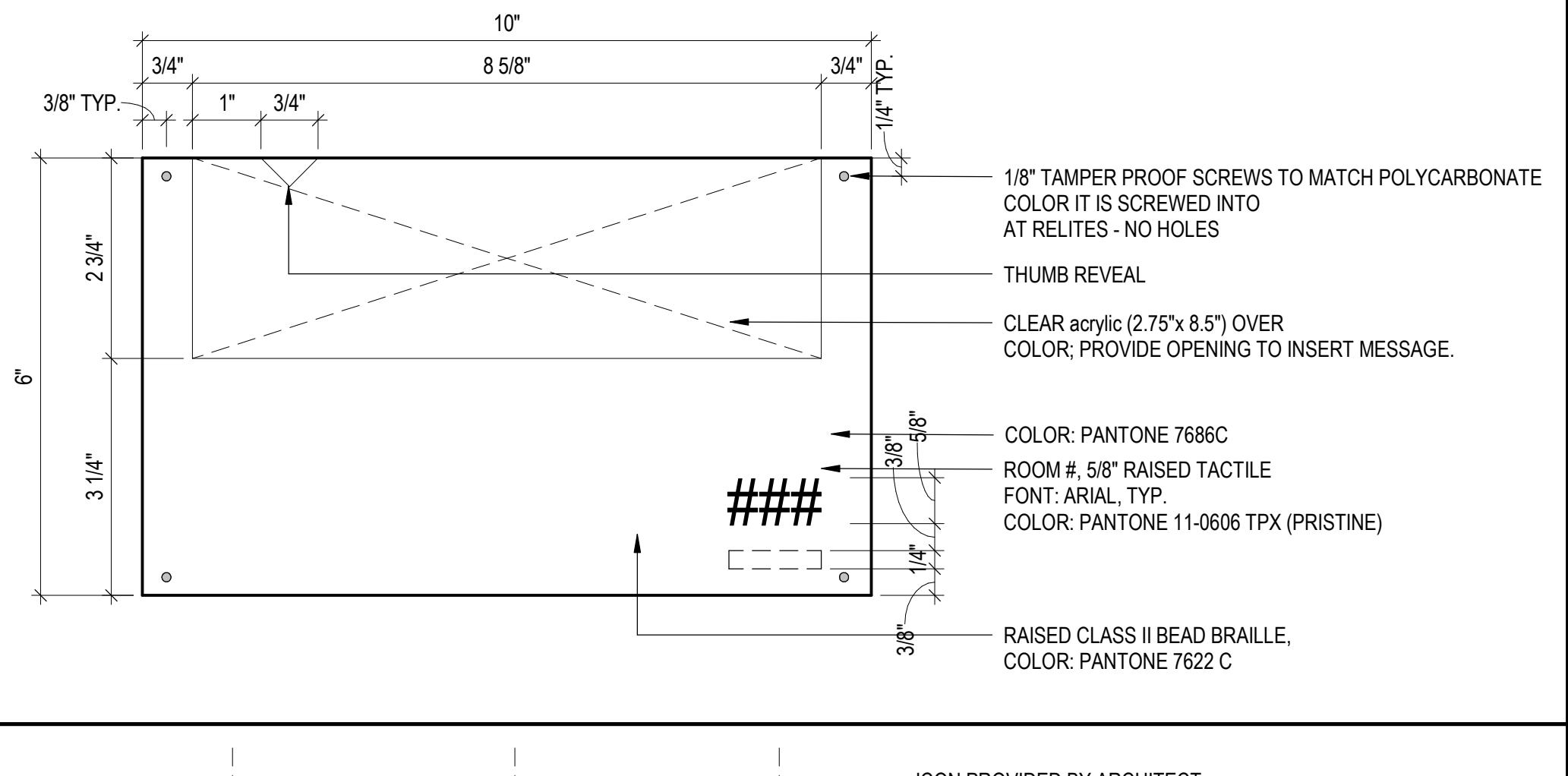
A701



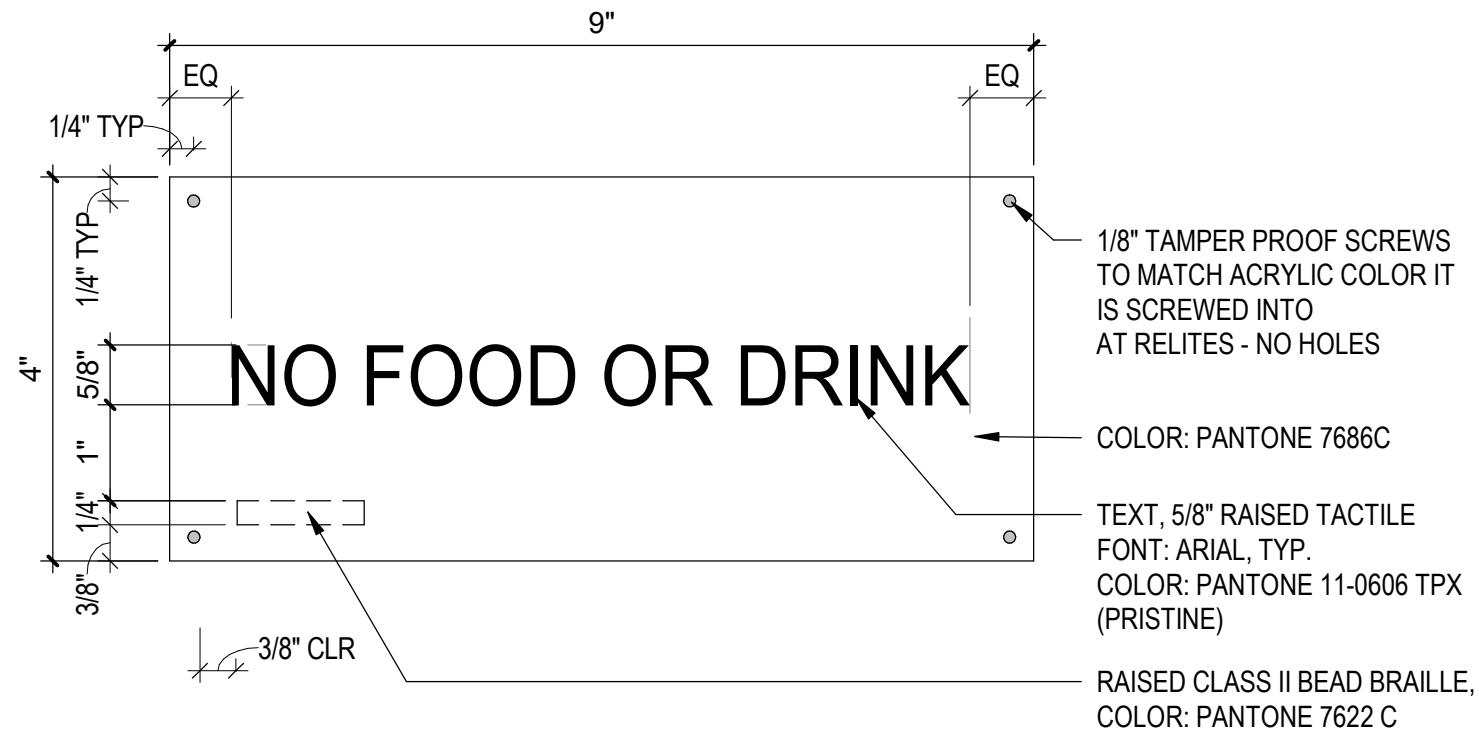
B1 INTERIOR TACTILE SIGN - CENTERED
SCALE: 6" = 1'-0"



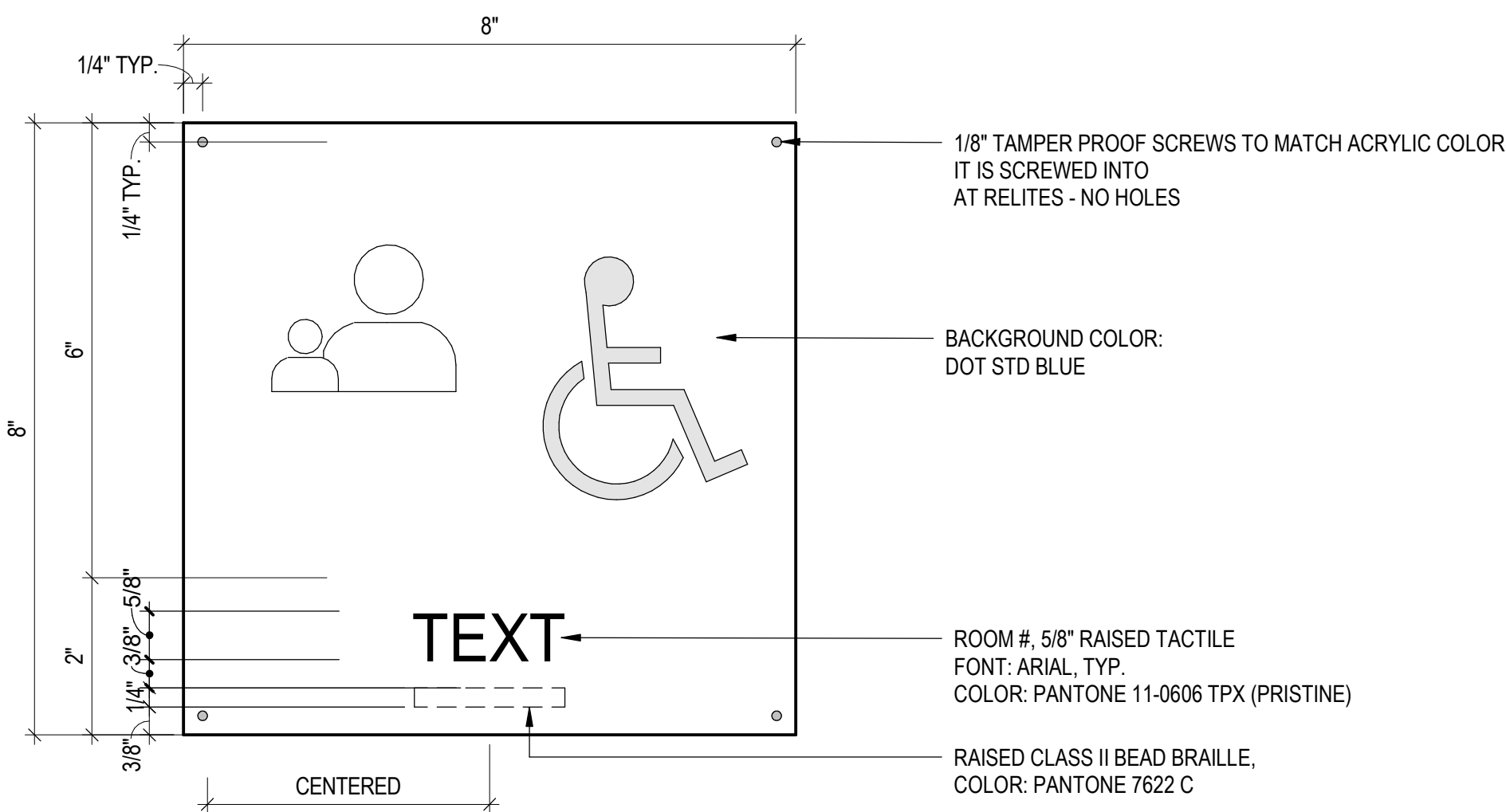
A1 INTERIOR TACTILE
SCALE: 6" = 1'-0"



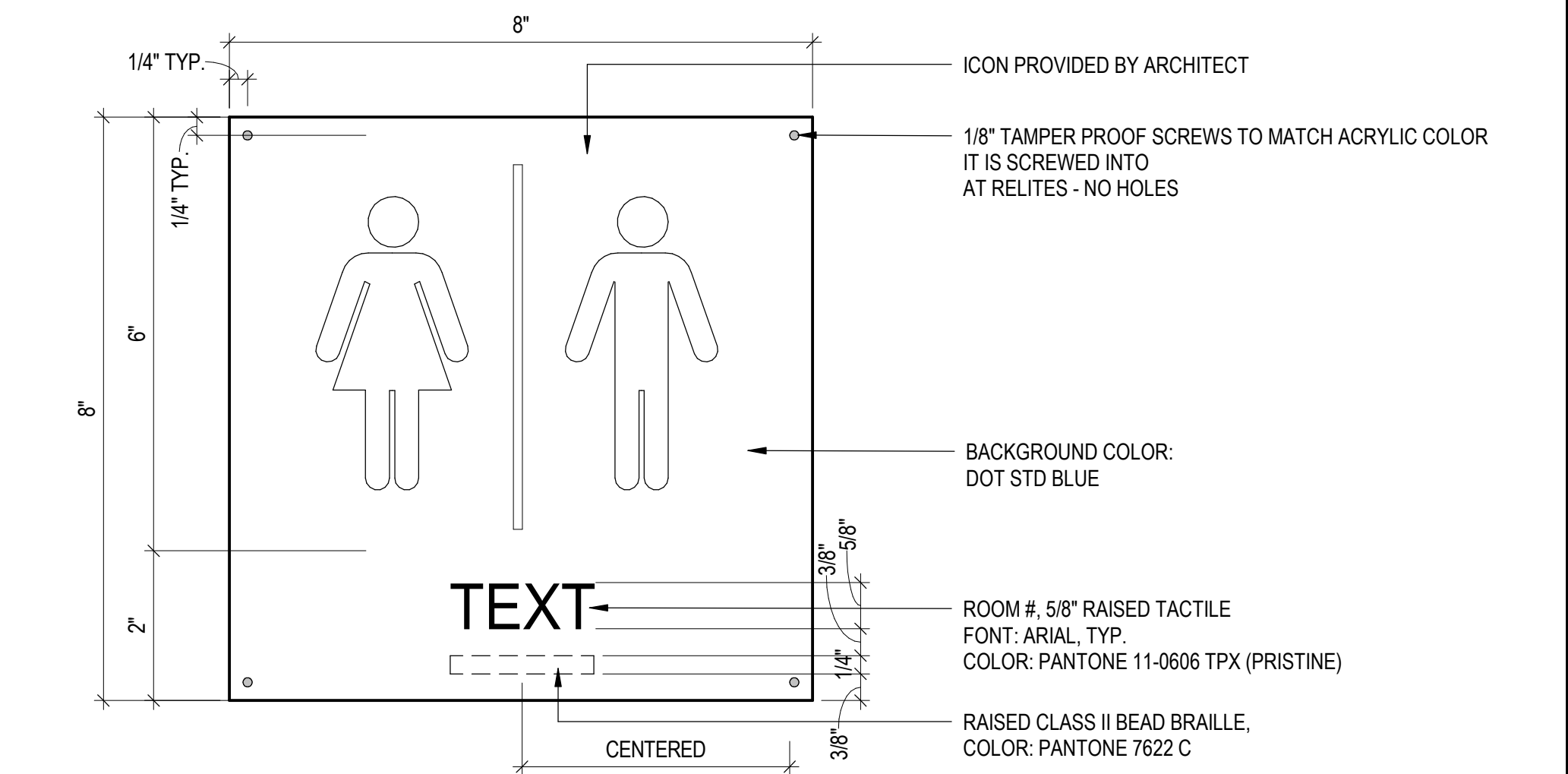
D1 INTERIOR TACTILE SIGN
SCALE: 6" = 1'-0"



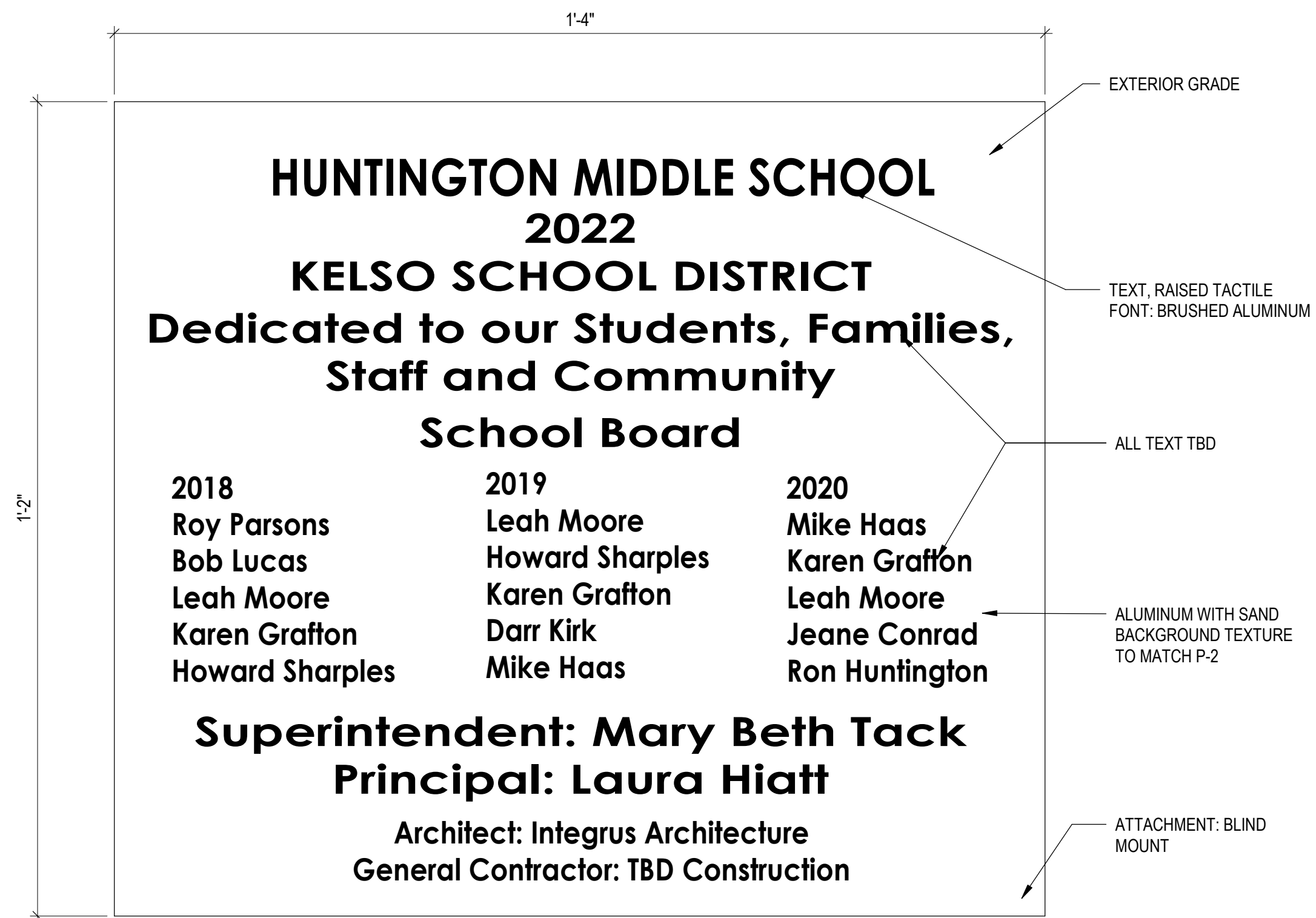
C1 NO FOOD OR DRINK
SCALE: 6" = 1'-0"



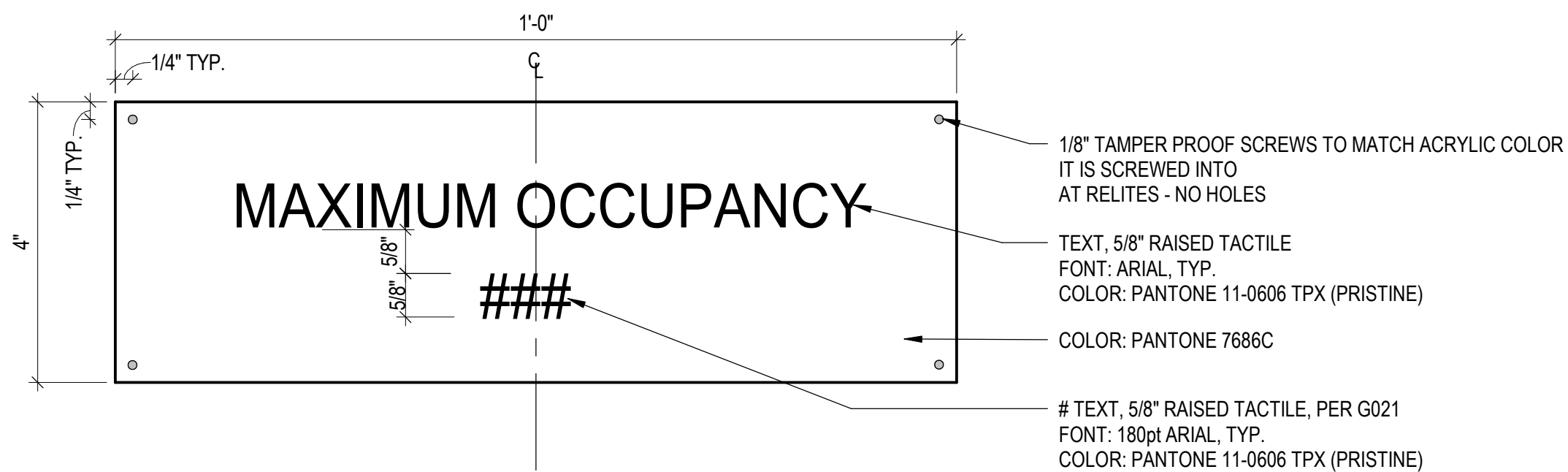
D4 INTERIOR TACTILE SIGN
SCALE: 6" = 1'-0"



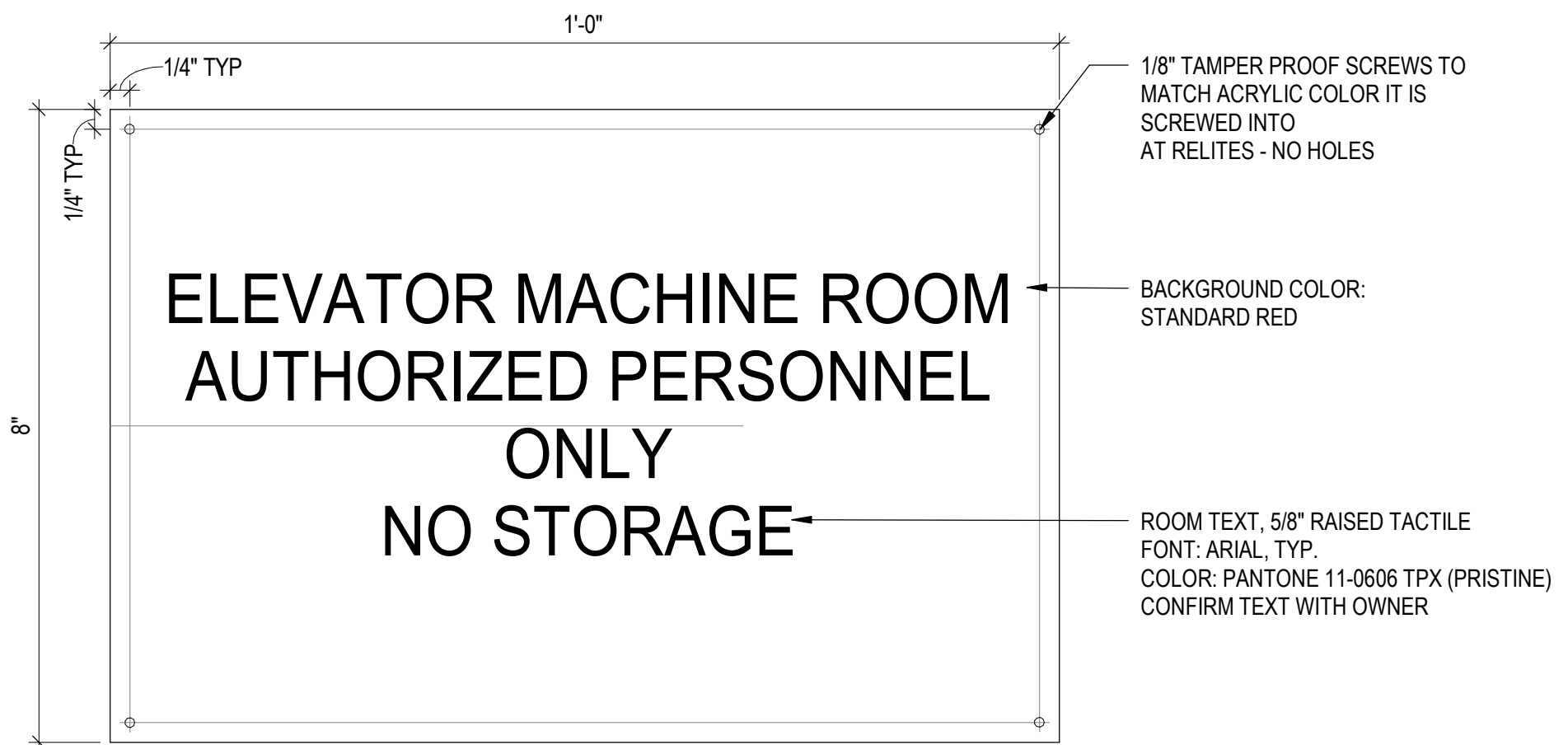
D3 NON-ADA
SCALE: 6" = 1'-0"



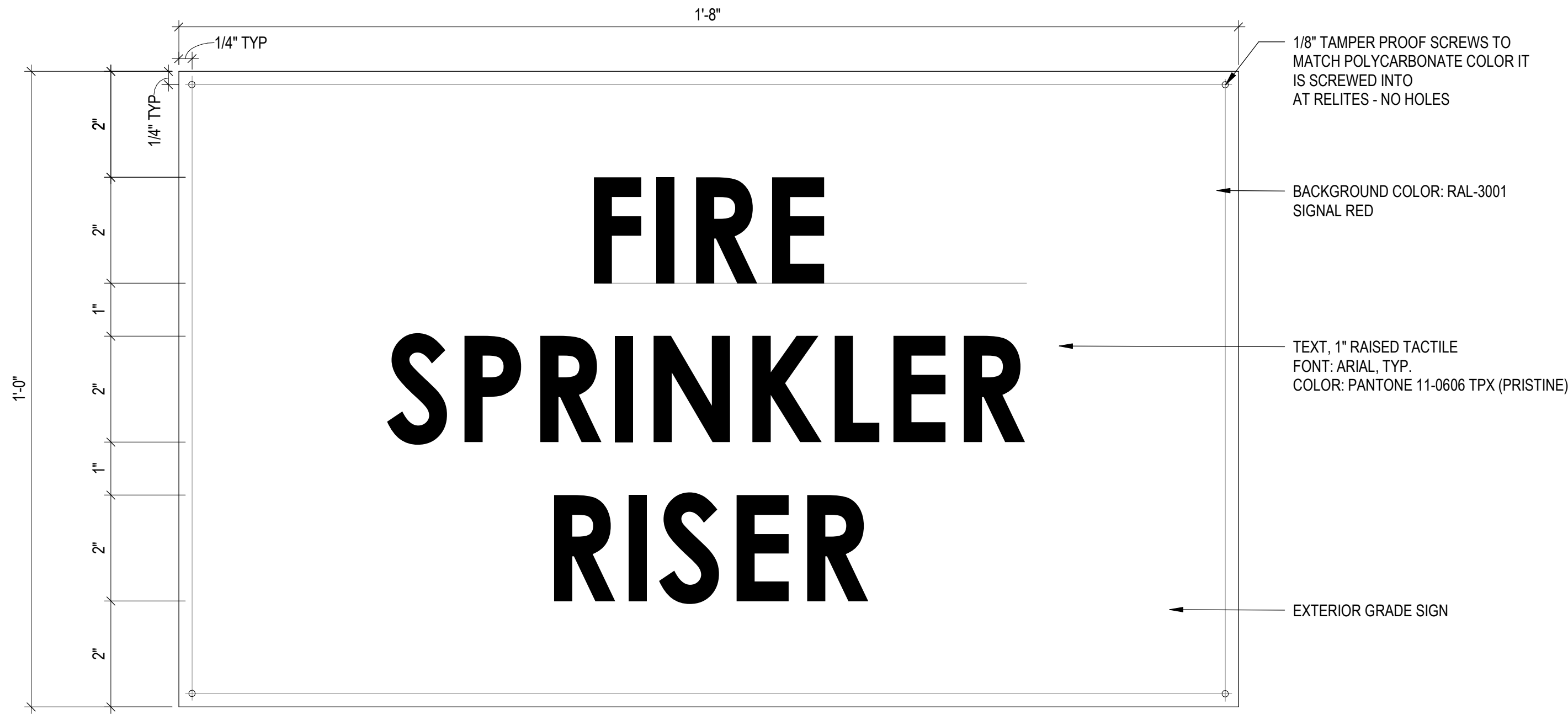
R1 DEDICATION PLAQUE
SCALE: 6" = 1'-0"



J1 OCCUPANCY SIGN
SCALE: 6" = 1'-0"



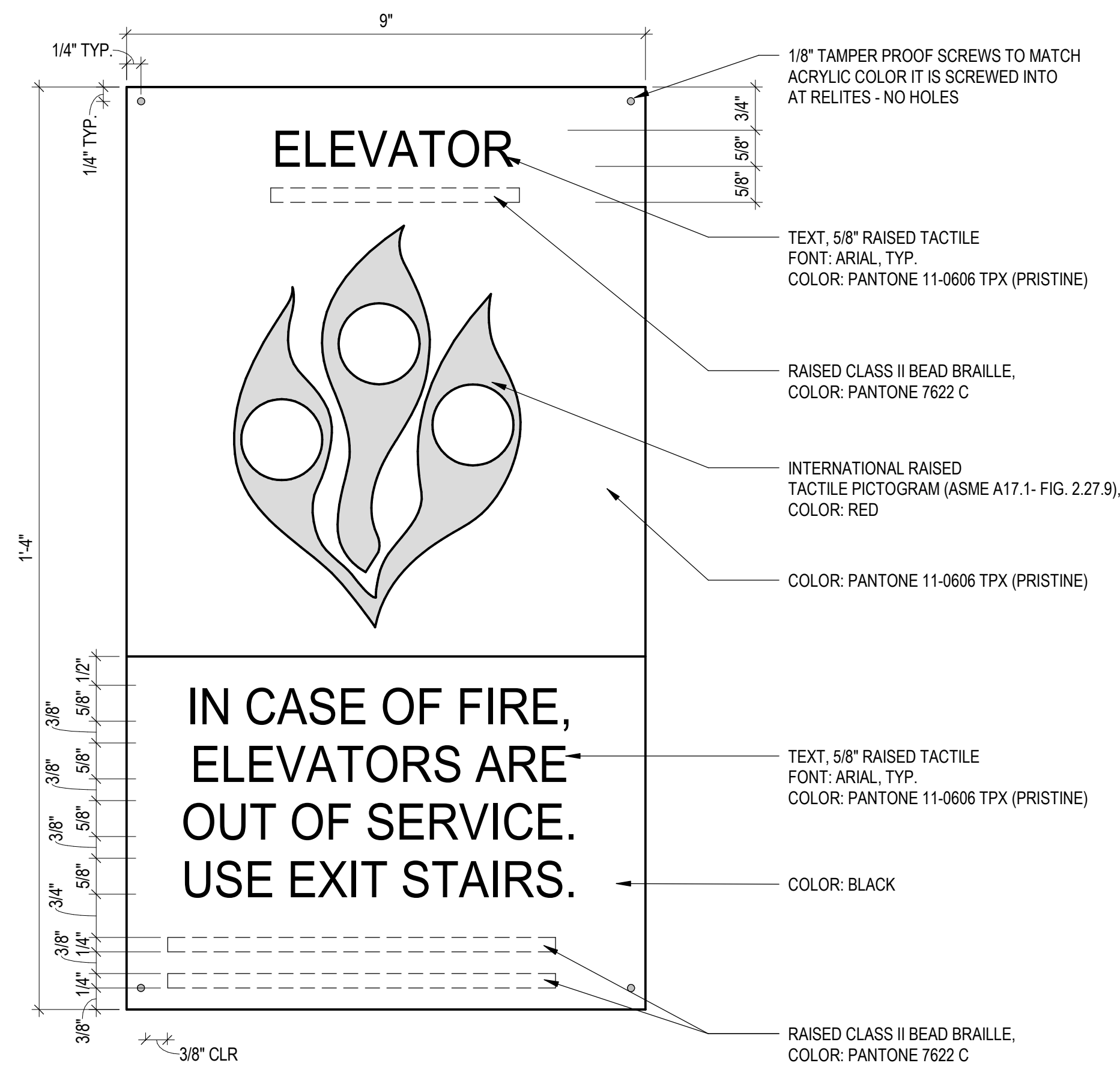
F1 RESTRICTED ACCESS
SCALE: 6" = 1'-0"



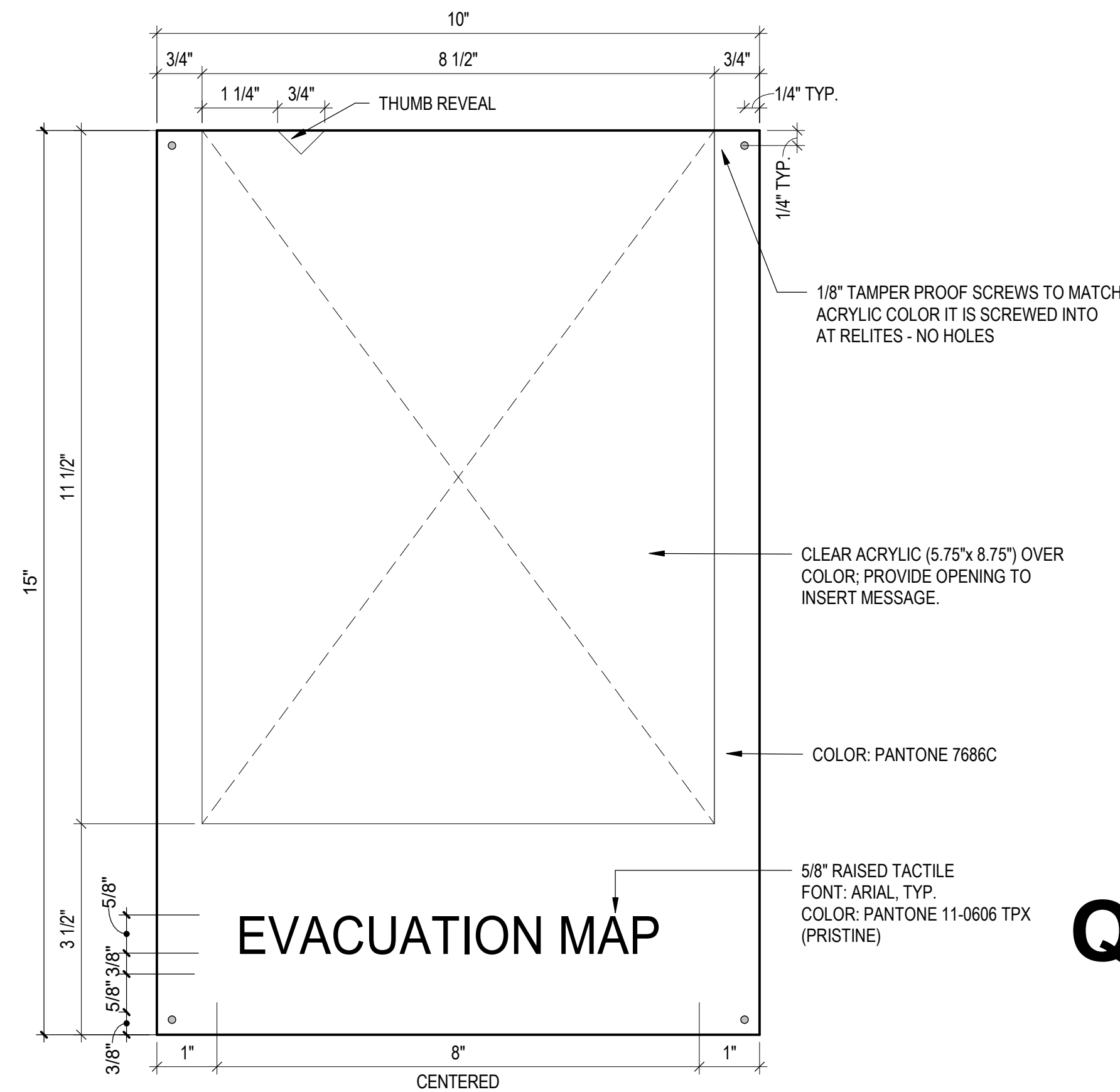
P1 FIRE SPRINKLER RISER
SCALE: 6" = 1'-0"



K1 VISITOR CHECK-IN EXTERIOR SIGN
SCALE: 6" = 1'-0"



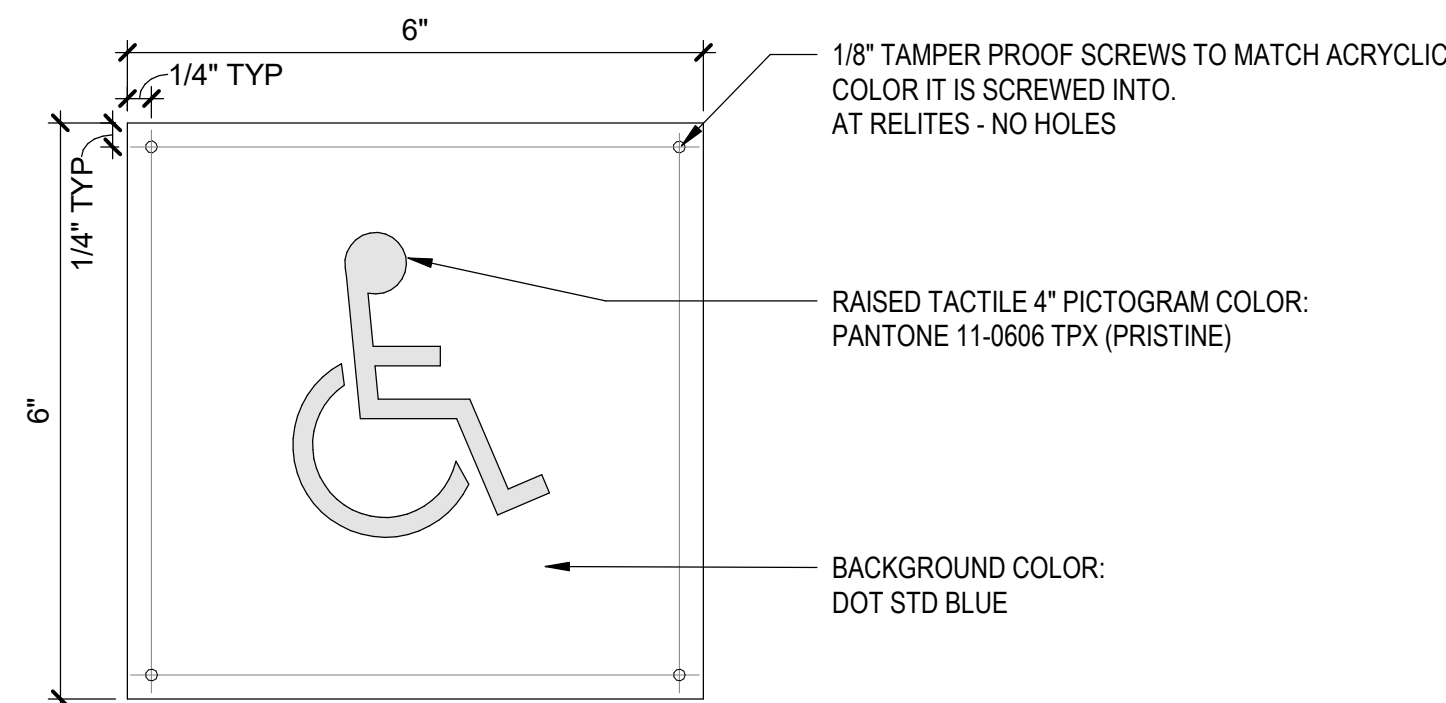
E1 FIRE SAFETY SIGN
SCALE: 6" = 1'-0"



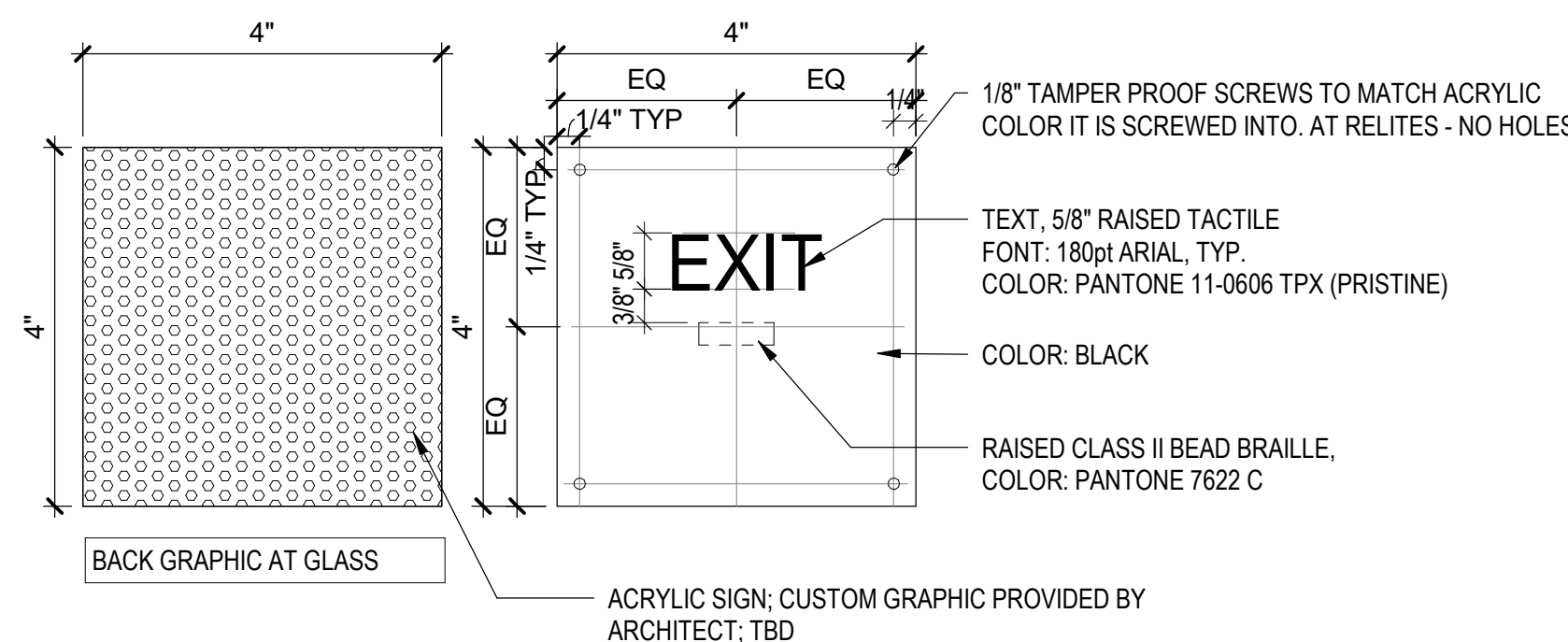
H1 EVACUATION MAP
SCALE: 6" = 1'-0"



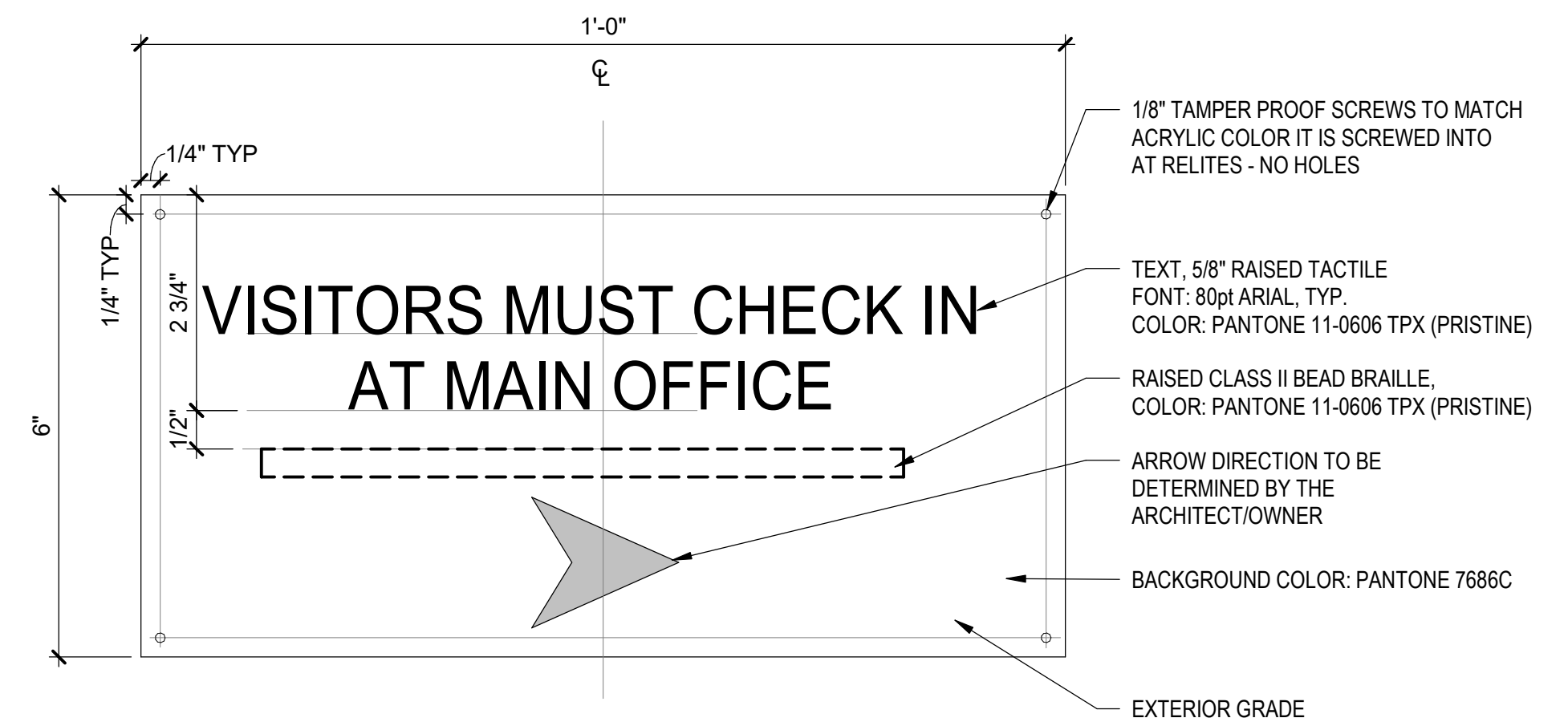
Q1 FIRE ALARM CONTROL PANEL
SCALE: 6" = 1'-0"



G1 ACCESSIBILITY SIGN
SCALE: 6" = 1'-0"



L1 EXIT SIGN
SCALE: 6" = 1'-0"



M1 VISITOR CHECK-IN
SCALE: 6" = 1'-0"

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SIGNAGE
DETAILS