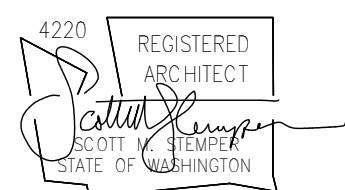


RAY WILLIAMSON POOL RENOVATION

PROJECT # 20223



CODE SUMMARY

CODE SUMMARY:
 JURISDICTION: BAINBRIDGE ISLAND MUNICIPAL CODE / WASHINGTON STATE AMENDMENTS
 BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
 FIRE CODE: 2018 INTERNATIONAL FIRE CODE
 ENERGY CODE: 2018 WASHINGTON STATE ENERGY CODE
 MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE
 PLUMBING CODE: 2018 UNIFORM PLUMBING CODE
 ELECTRICAL CODE: 2020 NEC ELECTRICAL CODE
 ACCESSIBILITY: 2009 ICC A117.1/DOJWA STATE

FULLY SPRINKLER BUILDING
 MECHANICAL DESIGN
 ELECTRICAL DESIGN -
 PLUMBING DESIGN -

GENERAL NOTES

- ALL WORK TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, PROPERTY LINES, LEASE LINES, MEASUREMENTS AND CONDITIONS IN THE FIELD BEFORE BEGINNING WORK. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- UNLESS OTHERWISE NOTED, ALL ANGLES TO BE RIGHT ANGLES. ALL LINES WHICH APPEAR PARALLEL ARE TO BE PARALLEL, AND ALL ITEMS WHICH APPEAR CENTERED ARE TO BE CENTERED. CONTRACTOR TO BE RESPONSIBLE FOR MAINTAINING ALL LINES TRUE, LEVEL, PLUMB AND SQUARE.
- DETAILED AND/OR LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER GENERAL AND SMALLER SCALE DRAWINGS. POSTED DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS.
- ALL ATTACHMENTS, CONNECTIONS AND FASTENINGS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH THE BEST PRACTICES OF THE BUILDING INDUSTRY. DRAWINGS SHOW ONLY SPECIAL REQUIREMENTS TO ASSIST THE CONTRACTOR AND DO NOT SHOW EVERY DETAIL.
- DETAILS SHOWN IN THESE DRAWINGS ARE TYPICAL AND WILL APPLY UNLESS OTHERWISE NOTED OR SHOWN. DETAILS OF CONSTRUCTION NOT FULLY SHOWN ARE TO BE OF THE SAME NATURE AS THOSE DRAWN FOR SIMILAR CONDITIONS.
- CONTRACTOR TO PROTECT EXISTING FURNISHINGS, FIXTURES, EQUIPMENT AND LANDSCAPING FROM DAMAGE. CONTRACTOR TO REPLACE IN KIND ANY SUCH ITEMS DAMAGED, IN ITS ENTIRETY TO LEVEL OF SATISFACTION OF ARCHITECT.
- CONTRACTOR TO COORDINATE ALL OPERATIONS WITH OWNER, INCLUDING: SITE ACCESS, MATERIALS STORAGE AND STAGING, INTERRUPTION OF ELECTRICAL AND MECHANICAL SERVICES AND TIMING OF NOISY OR DISRUPTIVE OPERATIONS. CONTRACTOR TO VERIFY SEQUENCE OF WORK WITH OWNER.
- ALL INTERIOR GWB IS 5/8" TYPE X ON METAL STUDS OR FURRING CHANNELS UNLESS NOTED OTHERWISE, SIZES AS DIMENSIONED ON PLANS. SEE NOTE #11 FOR WATER RESISTANT GWB.
- PROVIDE WATER RESISTANT (PAPERLESS) TYPE X GWB IN ALL TOILET ROOMS, AND WET AREAS.
- PROVIDE FINISH WALL BEHIND ALL EQUIPMENT AND CASEWORK.
- PROVIDE ALL ACCESSIBLE SIGNAGE AS REQUIRED BY LOCAL OR APPLICABLE JURISDICTION.

DRAWING LIST

SHEET NUMBER	SHEET NAME
T 1.0	TITLE SHEET
ARCHITECTURAL DRAWINGS	
A-0.1	SITE PLAN
A-0.2	CODE SUMMARY
AD-1.0	RAY WILLIAMSON POOL DEMOLITION PLAN
AD-1.1	LOW SLOPE ROOF DEMO PLAN
AD-1.2	REFLECTED CEILING PLAN DEMO
AD-2.0	EXTERIOR ELEVATION DEMO
AD-3.0	DEMO DETAILS
AD-3.1	DEMO DETAILS
AD-3.2	ROOF DEMO DETAILS
AD-3.3	ROOF DEMO DETAILS
A-1.0	RAY WILLIAMSON POOL FLOOR PLAN
A-1.1	REFLECTED CEILING PLAN
A-1.2	RAY WILLIAMSON POOL ROOF PLAN
A-2.0	EXTERIOR ELEVATIONS
A-2.1	EXTERIOR ELEVATION
A-3.0	ACCESSIBILITY, ENLARGED PLAN, INTERIOR ELEVATIONS
A-3.1	INT ELEV/ ENLARGED PLAN/ CASEWORK/ CLG DETAILS
A-4.0	STOREFRONT DETAILS
A-4.1	STOREFRONT/ EXT DOOR DETAILS
A-4.2	DETAILS
A-4.3	ROOF DETAILS
A-4.4	ROOF DETAILS
A-4.5	ROOF DETAILS
A-4.6	ROOF DETAILS
A-4.7	ROOF DETAILS
A-5.0	SCHEDULES AND WALL TYPES
A-6.0	REFERENCE PHOTOS
A-7.0	FINISH PLAN/ SCHEDULE
STRUCTURAL DRAWINGS	
S-0.1	GENERAL STRUCTURAL NOTES
SD-1.0	1ST FLOOR DEMO PLAN
S-1.0	1ST FLOOR PLAN
S-3.2	DETAILS
PLUMBING DRAWINGS	
P0.1	PLUMBING LEGEND, CODE AND PLUMBING NOTES
P0.2	PLUMBING SCHEDULES
PD1.1	FIRST FLOOR PLUMBING DEMOLITION PLAN
PD1.2	ROOF PLUMBING DEMOLITION PLAN
PD2.0	PLUMBING DEMOLITION PHOTOS
P1.0	PLUMBING FOUNDATION PLAN
P2.0	BASEMENT FLOOR PLUMBING PLAN
P2.1	FIRST FLOOR PLUMBING PLAN
P2.2	ROOF PLUMBING PLAN
P3.1	PLUMBING DETAILS
MECHANICAL DRAWINGS	
M0.1	MECHANICAL GENERAL NOTES AND LEGEND
M0.2	ENERGY AND MECHANICAL CODE NOTES
M0.3	MECHANICAL SCHEDULES
MD1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN
MD1.2	MECHANICAL ROOF DEMOLITION PLAN
MD2.0	MECHANICAL DEMOLITION PHOTOS
MD2.1	MECHANICAL DEMOLITION PHOTO
M1.0	FIRST FLOOR HVAC PLAN
M2.0	FIRST FLOOR PIPING PLAN
M3.0	MECHANICAL ROOF PLAN
M4.1	MECHANICAL DETAILS
M4.2	MECHANICAL DETAILS
M4.3	MECHANICAL DETAILS
FIRE PROTECTIONS DRAWINGS	
F0.1	FIRE PROTECTION GENERAL NOTES & LEGEND
FD1.0	FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
F1.0	FIRST FLOOR FIRE PROTECTION PLAN
F1.1	FIRE PROTECTION ROOF PLAN
ELECTRICAL DRAWINGS	
E-1.0	LEGEND
E-1.1	SITE PLAN - ELECTRICAL
ED-2.1	DEMO FLOOR PLAN - LIGHTING
ED-3.1	DEMO FLOOR PLAN - ELECTRICAL
E-2.1	FLOOR PLAN - LIGHTING
E-2.2	ROOF PLAN - LIGHTING
E-2.3	POOL LIGHT CALC
E-3.1	FLOOR PLAN - ELECTRICAL
E-3.2	ROOF PLAN - ELECTRICAL
E-4.0	ONE LINE DIAGRAM
E-5.0	SCHEDULES

SITE AND BUILDING DATA

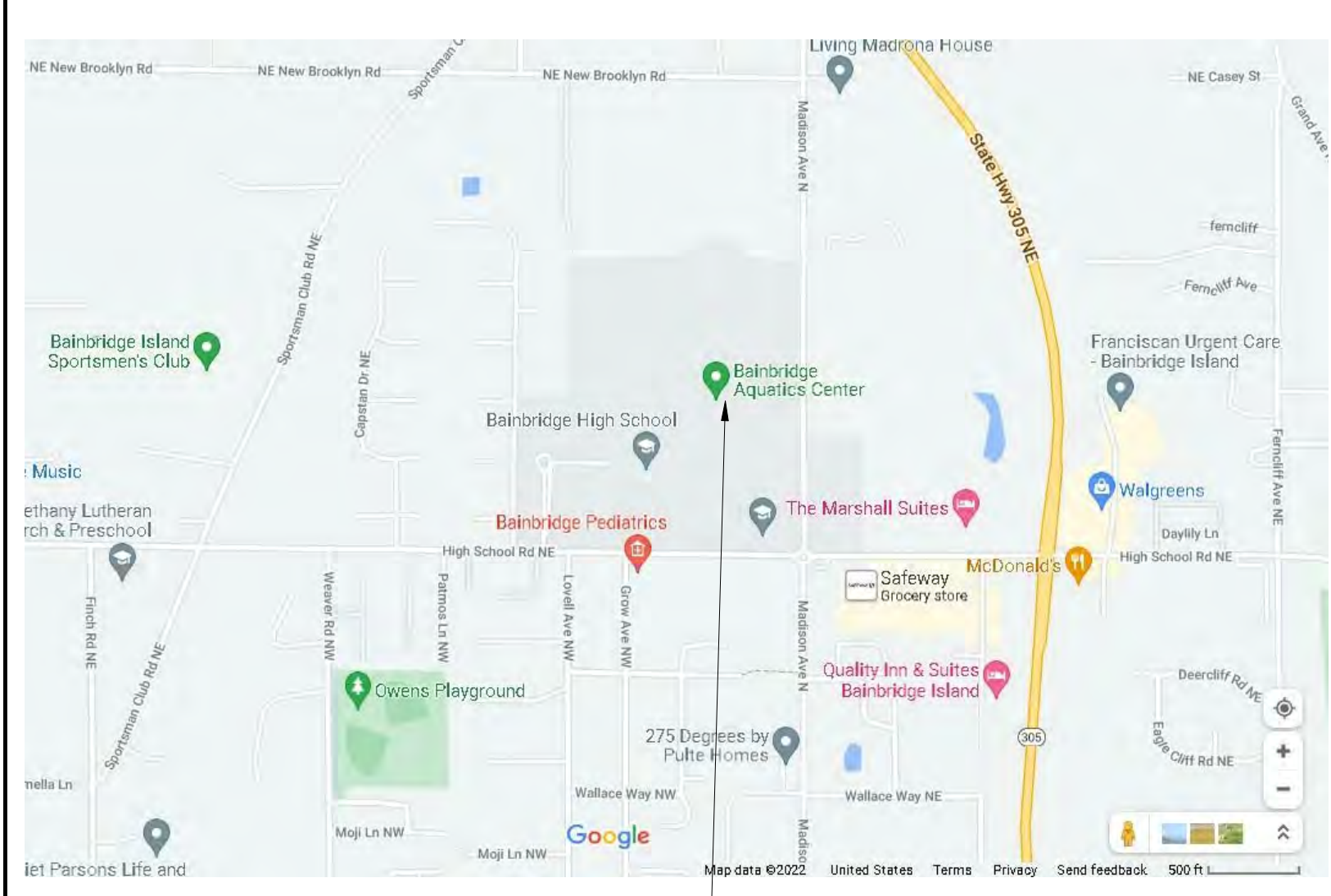
SITE ADDRESS: 8521 MADISON AVE N, BAINBRIDGE ISLAND, WA 98110
 ASSESSOR'S PARCEL NO.: 222502-4-003-2008
 LOT AREA: 73.75 ACRES (APPROX. 3,212,550 SQ. SF.)
 ZONING: INCORPORATED CITY
 CONSTRUCTION TYPE: VA
 NUMBER OF STORIES: 1 STORY EXISTING
 PARKING: NO CHANGE

LEGAL DESCRIPTION:
 RESULTANT PARCEL A OF BOUNDARY LINE ADJUSTMENT RECORDED UNDER AUDITOR'S FILE NO. 3179470 BEING THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 22, TOWNSHIP 25, RANGE 2 EAST W.M. CITY OF BAINBRIDGE ISLAND, KITSAP COUNTY WASHINGTON, DESCRIBED AS FOLLOWS: THE SOUTH QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTH 960 FEET OF THE EAST 270 FEET OF THE SOUTHWEST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT FOR THE SOUTH 20 FEET FOR ROAD; AND THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT THE NORTH 30 FEET FOR ROAD AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE WEST HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE WEST HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, TOGETHER WITH THE FOLLOWING DESCRIBED PROPERTY: COMMENCING AT THE NORTHWEST CORNER OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE EAST 330 FEET TO THE POINT OF BEGINNING, THENCE CONTINUING EAST 300 FEET TO THE WEST MARGIN OF COUNTY ROAD, THENCE SOUTH ALONG SAID MARGIN 230 FEET THENCE NORTHWESTERLY TO A POINT WHICH IS 60 FEET SOUTH OF THE POINT OF BEGINNING, THENCE NORTH 60 FEET TO THE POINT OF BEGINNING, EXCEPT FROM THE ABOVE THE FOLLOWING DESCRIBED PROPERTY: BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE WEST 10 FEET ALONG THE SOUTH LINE OF SAID SUBDIVISION THENCE NORTH 340.00 FEET PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION, THENCE EAST 10 FEET TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 22, THENCE SOUTH 340 FEET ALONG SAID EAST LINE AND THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 22 TO THE POINT OF BEGINNING. >>>EXCEPT FOR THAT PORTION CONVEYED TO THE CITY OF BAINBRIDGE ISLAND FOR RIGHT OF WAY UNDER AUDITOR'S FILE NO. 200106050001, RECORDS OF KITSAP COUNTY, WASHINGTON.

ABBREVIATIONS

&	AND	MAX	MAXIMUM
@	AT	MECH	MECHANICAL
AB	ANCHOR BOLT	MANUF	MANUFACTURER
ACT	ACOUSTICAL CEILING TILE	MTL	METAL
ADJ	ADJACENT	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	N/A	NOT APPLICABLE
ALUM	ALUMINUM	NIC	NOT IN CONTRACT
ANOD	ANODIZED	NO	NUMBER
APPROX	APPROXIMATE (LY)	NR	NOT RATED
ARCH	ARCHITECTURE (URAL)	NTS	NOT TO SCALE
ASPH	ASPHALT	OC	OWNER FURNISHED/CONTRACTOR INSTALLED
ASSY	ASSEMBLY	OFCI	OWNER FURNISHED/ OWNER INSTALL
ALT	ALTERNATE	OFOI	OWNER FURNISHED/ OWNER INSTALL
BLDG	BUILDING	OH	OVERHEAD
BLKG	BLOCKING	OVHG	OVERHANG
BM	BEAM	PL	PLATE
BO	BOTTOM OF	PLAS	PLASTER
BOT	BOTTOM	PM	PROJECT MANAGER
CJ	CONTROL JOINT	PNT	PAINT
CLG	CONCRETE MASONRY UNIT	PSI	POUNDS PER SQUARE INCH
CMU	CONCRETE MASONRY UNIT	PT	CEILING
COL	COLUMN	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	PLYW	PLYWOOD
CONT	CONTINUOUS	PREP	PREPARE/ PREPARATION
CS	CONCRETE SEALER	RCP	REFLECTED CEILING PLAN
CT	CERAMIC TILE	RD	ROOF DRAIN
CTSK	COUNTERSINK	RE	REFER TO
DBL	DOUBLE	REF	REFER TO
DEMO	DEMOLISH	REQD	REQUIRED
DIA	DIAMETER	RM	ROOM
DN	DOWN	RWL	RAIN WATER LEADER
DS	DOWN SPOUT	SCHED	SCHEDULE
DWGS	DRAWINGS	SC	SOLID CORE
E-A	EXISTING ANCHOR	SEC	SECURITY
ELEC	ELECTRICAL	SF	SQUARE FEET
ELEV OR EL	ELEVATION	SHEATH	SHEATHING
EQ	EQUAL	SHT	SHEET
EXIST OR (E)	EXISTING	SIM	SIMILAR
FD	FLOOR DRAIN	SP	STAND PIPE
F.F.GSM	FACTORY FINISHED GALVANIZED SHEET METAL	SPEC	SPECIFICATION
F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	SO	SQUARE
FT	FIRE TREATED	SS	STAINLESS STEEL
GA	GAUGE	STD	STANDARD
GALV	GALVANIZED	STL	STEEL
GL	GLASS	STOR	STORAGE
GWB	GYPSUM WALL BOARD	STRUCT	STRUCTURAL
GSM	GALVANIZED SHEET METAL	SUSP	SUSPENDED
GYP	GYPSUM	TOC	TOP OF CONCRETE
HGT	HEIGHT	TOP	TOP OF PARAPET
HM	HOLLOW METAL	TOS	TOP OF STEEL
HORIZ	HORIZONTAL	TYP	TYPICAL
HR	HOUR	TS	TUBE STEEL
INT	INTERIOR	UL	UNDERWRITERS LABORATORY
INSUL	INSULATION	UNO	UNLESS NOTED OTHERWISE
LB OR #	POUND	VERT	VERTICAL
LOC	LOCATION	VIF	VERIFY IN FIELD
MATL	MATERIAL	W	WITH
		WF	WIDE FLANGE
		WD	WOOD
		WIN	WINDOW
		X BRACE	CROSS BRACE
		YD	YARD

VICINITY MAP



RAY WILLIAMSON POOL
 8521 Madison Avenue N, Bainbridge Island, WA 98110
 Contact: Matthew F. Keough
 Phone: (206)565-5658
 matt@biparks.org

ARCHITECT
 STEMPER ARCHITECTURE COLLABORATIVE
 4000 Delridge Way, SW, Suite 200
 Seattle WA 98119
 CONTACT: Lalo Bello, Melody Leung
 PHONE: (206) 624-2777
 lalo@stemperac.com
 melody@stemperac.com

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 1448 ELLIOTT AVE. W
 Seattle WA 98119
 CONTACT: Jack Burgess
 PHONE: (206) 644-1369
 jack@thegreenbusch.com

ELECTRICAL
 TFWB ENGINEERS
 1200 WESTLAKE AVE. N, SUITE 509
 Seattle WA 98109
 CONTACT: Aprille Balangue
 PHONE: (206) 390-9843
 april@tf-wb.com

STRUCTURAL
 MLA ENGINEERING
 1424 4TH AVE. SUITE 415
 Seattle WA 98101
 CONTACT: Michael Leonard, PE
 PHONE: (206) 264-2727, (206)713-0943
 mleonard@mlaengineering.com

PROJECT DIRECTORY

OWNER
 Bainbridge Island Metro Park & Recreation District
 11700 Meadowmer Circle NE
 Bainbridge Island, WA, 98110.
 Contact: Matthew F. Keough
 Phone: (206)565-5658
 matt@biparks.org

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 april@tf-wb.com

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 1424 4TH AVE. SUITE 415
 Seattle WA 98101
 CONTACT: Michael Leonard, PE
 PHONE: (206) 264-2727, (206)713-0943
 mleonard@mlaengineering.com

SCOPE OF WORK

- REPLACEMENT OF LOW SLOPE ROOF
- REPLACEMENT OF STOREFRONT AND DOOR SYSTEM AT OFFICE 101
- REPLACEMENT OF CLERESTORY AND SKYLIGHT WINDOWS
- REPLACEMENT OF SWING OUT DOORS
- ADAPTIVE REUSE AND REHABILITATION OF LOCKER ROOMS (MENS AND WOMENS)
- REPAIR AND COATING OF EXTERIOR/ INTERIOR BRICK
- REPLACEMENT OF EXISTING HVAC SYSTEM
- REFURBISHING AND RECOATING THE EXISTING FIRE SPRINKLER PIPING
- REPLACEMENT OF MAIN ELECTRICAL PANELS
- REPLACING EXISTING LIGHTING WITH LED FIXTURES AND LIGHTING CONTROL UPGRADES
- RACKING LOOSE LOW VOLTAGE AND COMMUNICATIONS CABLING
- CLEANING CORRODED EQUIPMENT AND ACCESSORY ITEMS-GLU-LAM METAL BASES.

RAY WILLIAMSON POOL IMPROVEMENTS
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT
SMS

PROJECT MANAGER
LB

DRAWN
RS, SL, JR

TITLE SHEET

T 1.0
2208

SITE PLAN GENERAL NOTES

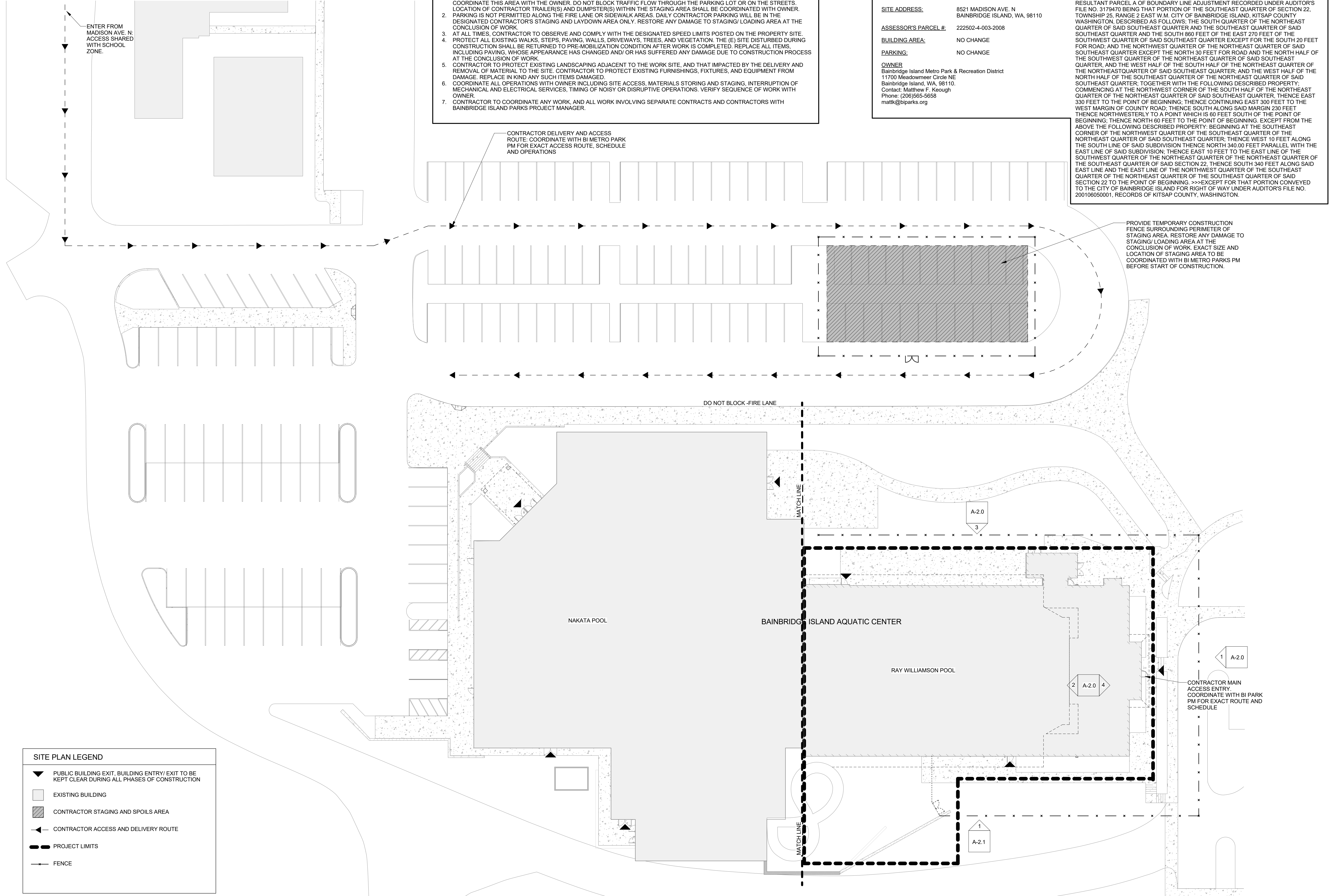
1. A PORTION OF THE PARKING LOT WILL BE DESIGNATED AS A LAY DOWN AND STAGING AREA FOR THE CONTRACTOR USE. COORDINATE THIS AREA WITH THE OWNER. DO NOT BLOCK TRAFFIC FLOW THROUGH THE PARKING LOT OR ON THE STREETS. LOCATION OF CONTRACTOR TRAILER(S) AND DUMPSTER(S) WITHIN THE STAGING AREA SHALL BE COORDINATED WITH OWNER.
2. PARKING IS NOT PERMITTED ALONG THE FIRE LANE OR SIDEWALK AREAS. DAILY CONTRACTOR PARKING WILL BE IN THE DESIGNATED CONTRACTOR'S STAGING AND LAYDOWN AREA ONLY. RESTORE ANY DAMAGE TO STAGING/LOADING AREA AT THE CONCLUSION OF WORK.
3. AT ALL TIMES, CONTRACTOR TO OBSERVE AND COMPLY WITH THE DESIGNATED SPEED LIMITS POSTED ON THE PROPERTY SITE.
4. PROTECT ALL EXISTING WALKS, STEPS, PAVING, WALLS, DRIVEWAYS, TREES, AND VEGETATION. THE (E) SITE DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO PRE-MOBILIZATION CONDITION AFTER WORK IS COMPLETED. REPLACE ALL ITEMS, INCLUDING PAVING, WHOSE APPEARANCE HAS CHANGED AND/ OR HAS SUFFERED ANY DAMAGE DUE TO CONSTRUCTION PROCESS AT THE CONCLUSION OF WORK.
5. CONTRACTOR TO PROTECT EXISTING LANDSCAPING ADJACENT TO THE WORK SITE, AND THAT IMPACTED BY THE DELIVERY AND REMOVAL OF MATERIAL TO THE SITE. CONTRACTOR TO PROTECT EXISTING FURNISHINGS, FIXTURES, AND EQUIPMENT FROM DAMAGE. REPLACE IN KIND ANY SUCH ITEMS DAMAGED.
6. COORDINATE ALL OPERATIONS WITH OWNER INCLUDING SITE ACCESS, MATERIALS STORING AND STAGING, INTERRUPTION OF MECHANICAL AND ELECTRICAL SERVICES, TIMING OF NOISY OR DISRUPTIVE OPERATIONS. VERIFY SEQUENCE OF WORK WITH OWNER.
7. CONTRACTOR TO COORDINATE ANY WORK, AND ALL WORK INVOLVING SEPARATE CONTRACTS AND CONTRACTORS WITH BAINBRIDGE ISLAND PARKS PROJECT MANAGER.

SITE & BUILDING DATA

BUILDING NAME: BAINBRIDGE ISLAND AQUATIC CENTER
SITE ADDRESS: 8521 MADISON AVE. N
 BAINBRIDGE ISLAND, WA, 98110
ASSESSOR'S PARCEL #: 222502-4-003-2008
BUILDING AREA: NO CHANGE
PARKING: NO CHANGE

OWNER:
 Bainbridge Island Metro Park & Recreation District
 11700 Meadowmeer Circle NE
 Bainbridge Island, WA, 98110
 Contact: Matthew F. Keough
 Phone: (206)565-5658
 matk@biparks.org

LEGAL DESCRIPTION:
 RESULTANT PARCEL A OF BOUNDARY LINE ADJUSTMENT RECORDED UNDER AUDITOR'S FILE NO. 3179470 BEING THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 22, TOWNSHIP 25, RANGE 2 EAST W.M. CITY OF BAINBRIDGE ISLAND, KITSAP COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS: THE SOUTH QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTHWEST QUARTER OF SAID SOUTHEAST QUARTER AND THE SOUTH 860 FEET OF THE EAST 270 FEET OF THE SOUTHWEST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT FOR THE SOUTH 20 FEET FOR ROAD, AND THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER EXCEPT THE NORTH 30 FEET FOR ROAD AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, AND THE WEST HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, AND THE WEST HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, TOGETHER WITH THE FOLLOWING DESCRIBED PROPERTY: COMMENCING AT THE NORTHWEST CORNER OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER, THENCE EAST 330 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING EAST 300 FEET TO THE WEST MARGIN OF COUNTY ROAD; THENCE SOUTH ALONG SAID MARGIN 230 FEET THENCE NORTHWESTERLY TO A POINT WHICH IS 60 FEET SOUTH OF THE POINT OF BEGINNING; THENCE NORTH 60 FEET TO THE POINT OF BEGINNING; EXCEPT FROM THE ABOVE THE FOLLOWING DESCRIBED PROPERTY: BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SOUTHEAST QUARTER; THENCE WEST 10 FEET ALONG THE SOUTH LINE OF SAID SUBDIVISION THENCE NORTH 340.00 FEET PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION; THENCE EAST 10 FEET TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 22; THENCE SOUTH 340 FEET ALONG SAID EAST LINE AND THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 22 TO THE POINT OF BEGINNING. >>>EXCEPT FOR THAT PORTION CONVEYED TO THE CITY OF BAINBRIDGE ISLAND FOR RIGHT OF WAY UNDER AUDITOR'S FILE NO. 200106050001, RECORDS OF KITSAP COUNTY, WASHINGTON.



ENTER FROM
MADISON AVE. N
ACCESS SHARED
WITH SCHOOL
ZONE.

CONTRACTOR DELIVERY AND ACCESS
ROUTE. COORDINATE WITH BI METRO PARK
PM FOR EXACT ACCESS ROUTE, SCHEDULE
AND OPERATIONS

PROVIDE TEMPORARY CONSTRUCTION
FENCE SURROUNDING PERIMETER OF
STAGING AREA. RESTORE ANY DAMAGE TO
STAGING/LOADING AREA AT THE
CONCLUSION OF WORK. EXACT SIZE AND
LOCATION OF STAGING AREA TO BE
COORDINATED WITH BI METRO PARKS PM
BEFORE START OF CONSTRUCTION.

DO NOT BLOCK - FIRE LANE

CONTRACTOR MAIN
ACCESS ENTRY.
COORDINATE WITH BI PARK
PM FOR EXACT ROUTE AND
SCHEDULE

SITE PLAN LEGEND

- ▼ PUBLIC BUILDING EXIT, BUILDING ENTRY; EXIT TO BE KEPT CLEAR DURING ALL PHASES OF CONSTRUCTION
- ▭ EXISTING BUILDING
- ▨ CONTRACTOR STAGING AND SPOILS AREA
- CONTRACTOR ACCESS AND DELIVERY ROUTE
- ▬ PROJECT LIMITS
- FENCE

1 SITE PLAN
1" = 20'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT
SMS
PROJECT MANAGER
LB

DRAWN
RS

SITE PLAN

A-0.1
2208

CODE SUMMARY

2018 IBC MEANS OF EGRESS	RESPONSE
1006.2.1 TWO EXITS OR EXITS ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDE WITH AN OCCUPANT LOAD MORE THAN 49 OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS 75 FEET	
RAY WILLIAMSON OCCUPANCY A, B, S MAX OCC LOAD 182.5 MIN # OF EXITS 2	RAY WILLIAMSON TOTAL OCCUPANT LOAD: 182.5 EXISTING EXITS: 3, NO CHANGE
NAKATA BUILDING OCCUPANCY A, B, E, S MAX OCC LOAD 366.5 MIN # OF EXITS 2	NAKATA BUILDING TOTAL OCCUPANT LOAD: 366.5 EXISTING EXITS: 4, NO CHANGE

REQUIRED PLUMBING FIXTURES - RAY WILLIAMSON POOL AND NAKATA POOL BUILDINGS

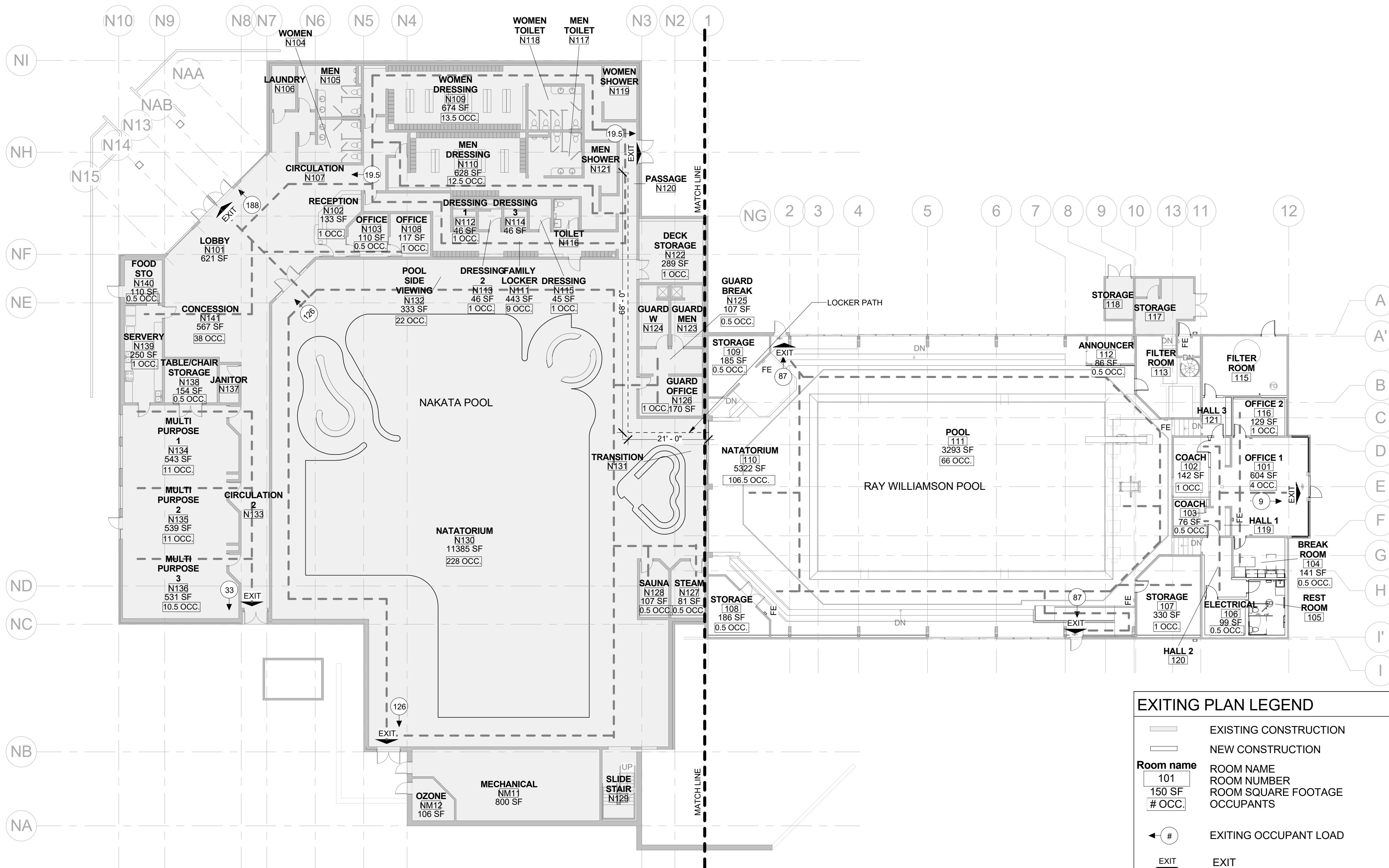
WAC, 246-260-031	WATER RECREATION FACILITIES TABLE 031.5					
PLUMBING FIXTURE COUNT	A-2 BREAK ROOM	A-3 ASSEMBLY	A-3 UNCONCENTRATED	B BUSINESS	E EDUCATIONAL	S-2 STORAGE / ACCESSORY
AREA	498 SF	21928 SF	900 SF	1567 SF	1613 SF	1541 SF
OCCUPANT LOAD FACTOR	200	50	15	150	50	300
OCCUPANT LOAD	2.5	439	60	10.5	32	5
MALE OCCUPANTS	1.25	219.5	30	5.25	16	2.5
FEMALE OCCUPANTS	1.25	219.5	30	5.25	16	2.5

RAY WILLIAMSON POOL AND NAKATA POOL						
TOTAL OCC = 549 OCC	REQ	PROVIDED				
TOTAL MALE = 274.5 OCC						
TOILET REQ. 1/80	3.4	7				
URINAL REQ. 1/80	3.4	4				
SHOWER REQ. 1/60	4.6	12				
SINK REQ. 1/200	1.4	6				
DIAPER CHANGING	1	1				
TOTAL FEMALE = 274.5 OCC						
TOILET REQ. 1/60	4.6	7				
SHOWER REQ. 1/60	4.6	13				
SINK REQ. 1/200	1.4	6				
DIAPER CHANGING	1	1				

WILLIAMSON OCCUPANCY PER 2018 INTERNATIONAL BUILDING CODE TABLE 1004.5					
NUMBER	NAME	OCCUPAN CY	AREA	LOAD FACTOR	OCCUPANT LOAD
BASEMENT					
01	BASEMENT		314 SF		0.0
BASEMENT: 1					
FIRST FLOOR					
101	OFFICE 1	B	604 SF	150 SF	4.0
102	COACH	B	142 SF	150 SF	1.0
103	COACH	B	76 SF	150 SF	0.5
104	BREAK ROOM	A-2	141 SF	200 SF	0.5
105	REST ROOM		138 SF		
106	ELECTRICAL	S-2	99 SF	300 SF	0.5
107	STORAGE	S-2	330 SF	300 SF	1.0
108	STORAGE	S-2	186 SF	300 SF	0.5
109	STORAGE	S-2	185 SF	300 SF	0.5
110	NATATORIUM	A-3	5322 SF	50 SF	106.5
111	POOL	A-3	3293 SF	50 SF	66.0
112	ANNOUNCER	B	86 SF	150 SF	0.5
113	FILTER ROOM		297 SF		
114	CHLORINATOR		30 SF		
115	FILTER ROOM		341 SF		
116	OFFICE 2	B	129 SF	150 SF	1.0
117	STORAGE	A-3	168 SF	0 SF	
118	STORAGE	A-3	76 SF	0 SF	
119	HALL 1		45 SF		
120	HALL 2		129 SF		
121	HALL 3		75 SF		
FIRST FLOOR: 21					182.5
ROOF 1					
201	MECH		129 SF		
202	MECH		130 SF		
ROOF 1: 2					0.0
Grand total: 24					182.5

NAKATA OCCUPANCY PER 2018 INTERNATIONAL BUILDING CODE TABLE 1004.5					
NUMBER	NAME	OCCUPAN CY	AREA	LOAD FACTOR	OCCUPANT LOAD
FIRST FLOOR					
N101	LOBBY		621 SF		
N102	RECEPTION	B	133 SF	150 SF	1.0
N103	OFFICE	B	110 SF	150 SF	0.5
N104	WOMEN		164 SF		
N105	MEN		201 SF		
N106	LAUNDRY		71 SF		
N107	CIRCULATION		621 SF		
N108	OFFICE	B	117 SF	150 SF	1.0
N109	WOMEN DRESSING	A-3	674 SF	50 SF	13.5
N110	MEN DRESSING	A-3	628 SF	50 SF	12.5
N111	FAMILY LOCKER	A-3	443 SF	50 SF	9.0
N112	DRESSING 1		46 SF	50 SF	1.0
N113	DRESSING 2		46 SF	50 SF	1.0
N114	DRESSING 3		46 SF	50 SF	1.0
N115	DRESSING		45 SF	50 SF	1.0
N116	TOILET		53 SF		
N117	MEN TOILET		151 SF		
N118	WOMEN TOILET		159 SF		
N119	WOMEN SHOWER		120 SF		
N120	PASSAGE		351 SF		
N121	MEN SHOWER		95 SF		
N122	DECK STORAGE	S-2	289 SF	300 SF	1.0
N123	GUARD MEN		98 SF		
N124	GUARD W		92 SF		
N125	GUARD BREAK	A-2	107 SF	200 SF	0.5
N126	GUARD OFFICE	B	170 SF	150 SF	1.0
N127	STEAM	S-2	81 SF	300 SF	0.5
N128	SAUNA	S-2	107 SF	300 SF	0.5
N129	SLIDE STAIR		168 SF		
N130	NATATORIUM	A-3	11385 SF	50 SF	227.5
N131	TRANSITION		201 SF		
N132	POOL SIDE VIEWING	A-3	333 SF	15 SF	22.0
N133	CIRCULATION 2		528 SF		
N134	MULTI PURPOSE 1	E	543 SF	50 SF	11.0
N135	MULTI PURPOSE 2	E	539 SF	50 SF	11.0
N136	MULTI PURPOSE 3	E	531 SF	50 SF	10.5
N137	JANITOR		50 SF		
N138	TABLE/CHAIR STORAGE	S-2	154 SF	300 SF	0.5
N139	SERVERY	A-2	250 SF	200 SF	1.0
N140	FOOD STO	S-2	110 SF	300 SF	0.5
N141	CONCESSION	A-3	567 SF	15 SF	38.0
NM11	MECHANICAL	S-2	800 SF	0 SF	
NM12	OZONE	S-2	106 SF	0 SF	
FIRST FLOOR: 43					366.5
Grand total: 43					366.5

RAY WILLIAMSON AND NAKATA - TOTAL OCCUPANT: 549



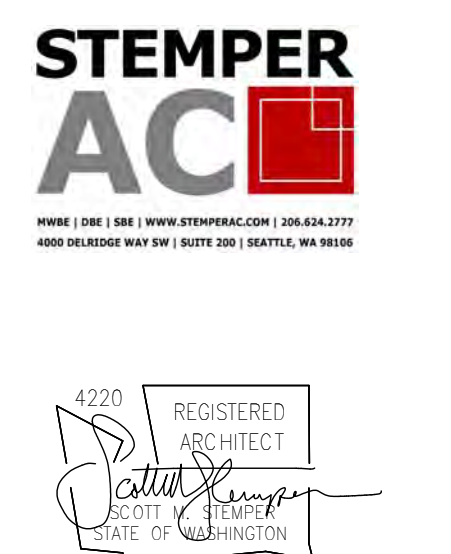
EXITING PLAN LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION

Room name
101
150 SF
OCC.

- EXITING OCCUPANT LOAD
- EXIT
- EGRESS
- NIC
- FIRE EXTINGUISHER

1 RAY WILLIAMSON POOL AND NAKATA POOL - FIRST FLOOR PLAN - EXITING
1/16" = 1'-0"



RAY WILLIAMSON POOL IMPROVEMENTS
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT
SMS
PROJECT MANAGER
LB
DRAWN
JR

CODE SUMMARY

A-0.2
2208

4/22/2024 12:16:27 PM C:\Users\Renal\Documents\RWP_CD1-Central_Reina.rvt

GENERAL DEMOLITION NOTES

- EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
- PRIOR TO ANY DEMOLITION ACTIVITIES, ALL EXISTING NATATORIUM EQUIPMENT, POOL ACCESSORIES, AND OTHER MISCELLANEOUS ITEMS SHALL BE PROTECTED, SEALED DUST TIGHT, THE PROTECTIVE WRAP SHALL BE REMOVED AND THE FIXTURES CLEANED AT JOB COMPLETION.
- NOISE AND DUST CONTROL IN AREAS OF WORK IS CRITICAL. PROTECTION OF EXISTING FACILITIES AND ANY EXISTING EQUIPMENT FROM DUST AND CONSTRUCTION DEBRIS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DAILY CLEAN-UP OF CONSTRUCTION DUST AND DEBRIS WITHIN PROJECT SITE LIMITS AND OTHER AREAS AFFECTED BY CONSTRUCTION IS REQUIRED.
- COORDINATE TEMPORARY STORAGE LOCATION OF ALL POOL EQUIPMENT BEING SALVAGED FOR REUSE WITH OWNER.

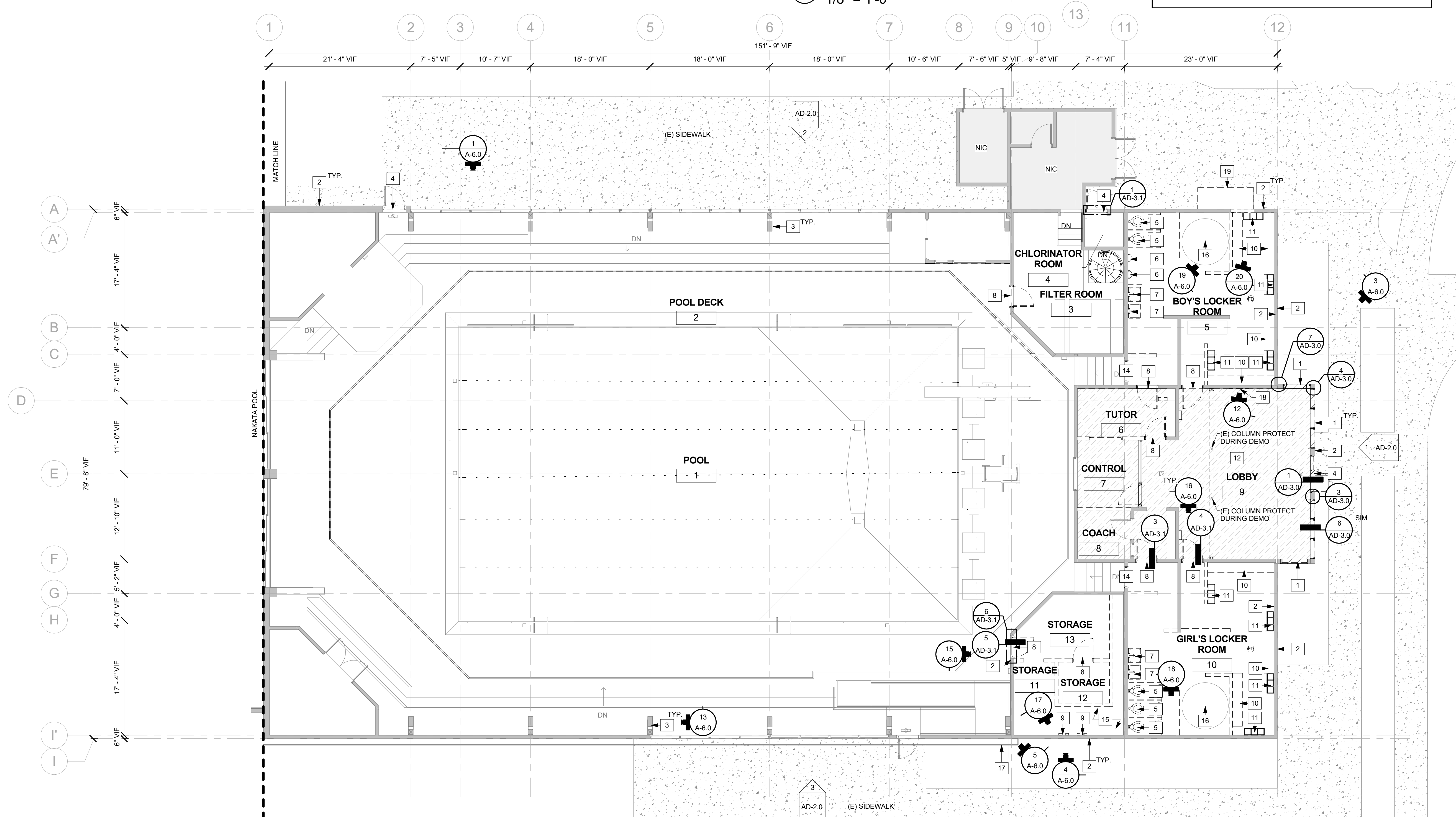
DEMOLITION KEYNOTE LEGEND

1	DEMOLISH (E) STOREFRONT SYSTEM TO ACCOMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION.
2	CLEAN AT INTERIOR AND EXTERIOR. REF STRUCTURAL.
3	CLEAN BASE PLATES AND METAL SEATS TO REMOVE CORROSION. REF STRUCTURAL.
4	DEMOLISH (E) EXTERIOR DOOR, DOOR FRAME, AND THRESHOLD TO ACCOMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION.
5	CAREFULLY REMOVE (E) ABANDONED WATER CLOSET. REF MECHANICAL.
6	CAREFULLY REMOVE (E) ABANDONED URINAL. REF MECHANICAL.
7	CAREFULLY REMOVE (E) ABANDONED SINK. REF MECHANICAL.
8	DEMOLISH (E) INTERIOR DOOR, DOOR FRAME, AND THRESHOLD TO ACCOMODATE NEW WORK.
9	REMOVE (E) ELECTRICAL PANEL. REF ELECTRICAL.
10	REMOVE (E) BENCH AND BRACKETS. PATCH BRICK WALL.
11	REMOVE (E) LOCKER AND BRICK BASE.
12	REMOVE (E) CARPET.
13	REPAIR SPALLED CONCRETE AT FILTER ROOM. REF STRUCTURE.
14	DEMOLISH (E) DOOR FRAMES. TOUCH UP AND PAINT.
15	REMOVE AND CAP EXISTING PLUMBING IN STORAGE AREA. REF MECHANICAL.
16	CAREFULLY REMOVE (E) SHOWER POLE AND DRAIN. REF MECHANICAL.
17	TEMPORARY SHUT OFF NAKATA POOL CHLORINE LINE DURING DEMOLITION. USE EXTREME CAUTION NOT TO DAMAGE (E) PIPE. REF MECHANICAL.
18	CAREFULLY REMOVE (E) PLAQUE, CLEAN, AND COORDINATE WITH OWNER FOR STORAGE DURING CONSTRUCTION.
19	DEMOLISH (E) TRASH ENCLOSURE. COORDINTE NEW LOCATION WITH OWNER.

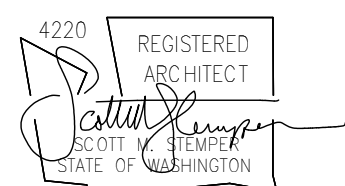
DEMO GRAPHIC LEGEND

	EXISTING CONSTRUCTION		EXISTING HARDSCAPE
	ITEMS TO BE DEMOLISHED		DEMOLISH (E) CARPET
	KEYNOTES		DETAIL REFERENCE: NUMBER SHEET
	DEMOLISH DOORS		DETAIL NUMBER DRAWING SHEET
	PHOTO REFERENCE SEE PHOTO REFERENCE SHEET		ENLARGED DETAIL NUMBER DRAWING SHEET
	ELEVATION REFERENCE: NUMBER SHEET		
	Room name		
	ROOM TAG		
	NIC		

2 FILTERROOM BASEMENT - DEMO
1/8" = 1'-0"



1 MAIN FLOOR DEMOLITION PLAN
1/8" = 1'-0"



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
4/22/2024

#	REVISIONS	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	JR, RS

RAY WILLIAMSON POOL DEMOLITION PLAN

AD-1.0
2208

ROOF GENERAL DEMOLITION NOTES

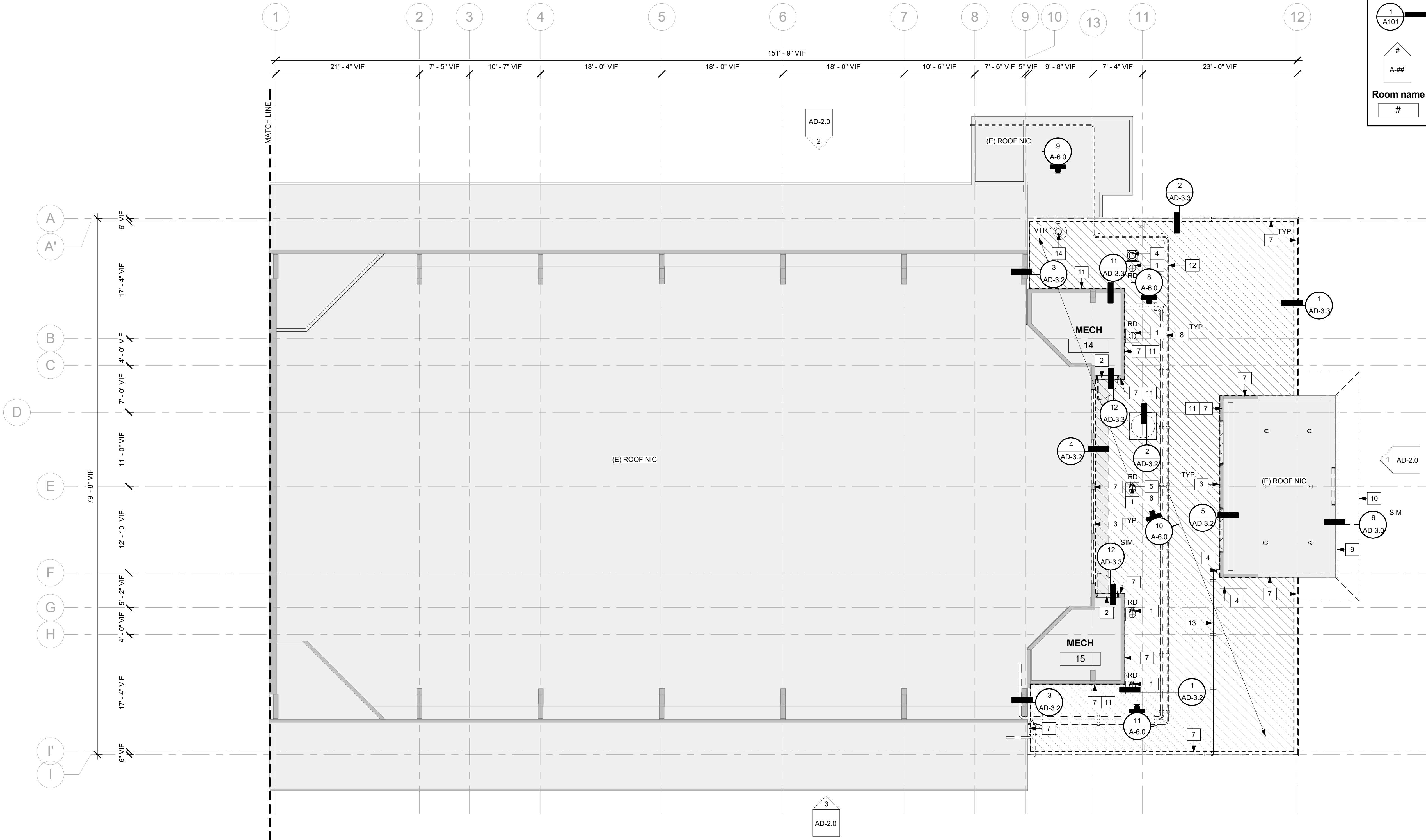
- CONTRACTOR SHALL MAINTAIN WATERTIGHT CONDITIONS AT ALL TIMES. ANY DAMAGE DUE TO WATER LEAK AS A CAUSE OF CONTRACTOR OPERATIONS SHALL BE REPAIRED OR REPLACED IN KIND AS APPROVED BY A&E AT NO ADDITIONAL COST TO THE OWNER. TEMPORARILY PROTECT ALL OPENINGS ON THE ROOF AFTER REMOVAL OF (E) CLERESTORIES AND ROOF TOP EQUIPMENT.
- DO NOT REMOVE ANY EXISTING ROOFING AND WATERPROOFING SYSTEM IF RAIN IS EXPECTED AND ANY OF THE EXPOSED AREAS CAN NOT BE WATER TIGHT BEFORE THE END OF THE DAY.
- ALL EXPOSED AREAS SHALL RECEIVE THERMAL BARRIER BOARD AND VAPOR RETARDER/ TEMPORARY ROOF AND TEMPORARILY SEALED TO EXISTING ROOF SYSTEM BEFORE LEAVING THE SITE EACH DAY AND BEFORE INCLEMENT WEATHER.
- DUCTS, PIPING, ELECTRICAL CIRCUITRY AND DISCONNECT SWITCHES ARE EXISTING. FIELD VERIFY CONDITIONS FOR SPECIFIC LOCATIONS. ROOF PENETRATIONS, AND CONDUIT ROUTES.
- MECHANICAL UNITS SHALL BE RE-INSTALLED ON A RAISED EQUIPMENT CURB. EXTENDED DUCTS, PIPING AND EXISTING POWER CIRCUITS AS REQUIRED TO RECONNECT EXISTING MECHANICAL UNITS ON RAISED CURB. PROVIDE SPLICES AND WEATHER PROOF JUNCTION BOXES WHERE REQUIRED.
- MECHANICAL UNITS, DUCTS, PIPING, CONDUITS AND ASSOCIATED SUPPORTS ROUTED ACROSS ROOF SHALL BE TEMPORARILY REMOVED AND REINSTALLED TO SUPPORT ROOFING WORK. PROTECT ALL ROOF OPENING DURING CONSTRUCTION.
- REFER TO STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK. CERTIFIED ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING AND RECONNECTING ELECTRICAL WIRES/ CONDUITS PER ELECTRICAL DRAWINGS.

ROOF DEMOLITION KEYNOTE LEGEND

1	DEMOLISH (E) CORRODED ROOF DRAINS. REF MECHANICAL.
2	DEMOLISH (E) EXTERIOR DOOR, DOOR FRAME, AND THRESHOLD TO ACCOMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION.
3	DEMOLISH (E) CLERESTORY WINDOWS TO ACCOMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION SEE DETAILS.
4	TEMPORARILY REMOVE (E) MECHANICAL UNIT AND (E) ELECTRICAL CONDUIT PIPING. REF MECHANICAL.
5	DEMOLISH (E) ROOFING MEMBRANE, CANT STRIP, MAMBRANE BASE FLASHING, RIGID INSULATION, & VAPOR BARRIER TO (E) PLYWOOD ROOF SHEATHING.
6	REVIEW CONDITION OF (E) PLYWOOD SHEATHING WITH ARCHITECT. REPLACE PLYWOOD SUBSTRATE. SEE STRUCTURAL FOR SHEATHING NAILS.
7	DEMOLISH (E) SHEET METAL FLASHING, COUNTERFLASHING, AND COPING.
8	TEMPORARILY DISCONNECT AND DISPOSE (E) PIPING TO FACILITATE ROOF REPLACEMENT AND ACCOMMODATE NEW RAISED ROOF ASSEMBLY. REPLACE (E) SUPPORT WITH NEW RUBBER SUPPORTS. REF MECHANICAL.
9	DEMOLISH (E) GUTTER.
10	CAREFULLY/TEMPORARILY REMOVE (E) AWNING. SAFELY STORE DURING CONSTRUCTION. COORDINATE WITH OWNER FOR STORAGE LOCATION.
11	TRIM (E) T1-11 SIDING TO ACCOMODATE RAISED ROOF ASSEMBLY.
12	TEMPORARILY DISCONNECT (E) GAS LINE TO FACILITATE ROOF REPLACEMENT. MODIFY EXISTING GAS LINE TO ACCOMMODATE NEW RAISED ROOF ASSEMBLY. REF MECHANICAL.
13	TEMPORARILY DISCONNECT (E) ELECTRICAL CONDUIT TO FACILITATE ROOF REPLACEMENT. MODIFY EXISTING CONDUIT / WIRING TO ACCOMMODATE NEW RAISED ROOF ASSEMBLY. REF ELECTRICAL.
14	DEMOLISH (E) BOILER VENT. PROTECT (E) PIPING DURING CONSTRUCTION. REF MECHANICAL.

DEMO ROOF GRAPHIC LEGEND

- EXISTING CONSTRUCTION
- ITEMS TO BE DEMOLISHED
- KEYNOTES
- DEMOLISHED DOORS
- (E) SLOPED STANDING SEAM METAL ROOF NIC
- DEMOLISH (E) ROOF MEMBRANE REFER TO KEYNOTE AND DETAILS FOR (E) ROOF ASSEMBLY
- RD (E) ROOF DRAIN SEE KEYNOTES
- VTR (E) VENT THRU ROOF PENETRATION.
- PHOTO REFERENCE SEE PHOTO REFERENCE SHEET
- DETAIL NUMBER DRAWING SHEET
- ELEVATION REFERENCE: NUMBER SHEET
- Room name
- ROOM TAG



1 LOW SLOPE ROOF DEMO PLAN
 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
- PRIOR TO ANY DEMOLITION ACTIVITIES, ALL EXISTING NATATORIUM EQUIPMENT, POOL ACCESSORIES, AND OTHER MISCELLANEOUS ITEMS SHALL BE PROTECTED, SEALED DUST TIGHT. THE PROTECTIVE WRAP SHALL BE REMOVED AND THE FIXTURES CLEANED AT JOB COMPLETION.
- NOISE AND DUST CONTROL IN AREAS OF WORK IS CRITICAL. PROTECTION OF EXISTING FACILITIES AND ANY EXISTING EQUIPMENT FROM DUST AND CONSTRUCTION DEBRIS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DAILY CLEAN-UP OF CONSTRUCTION DUST AND DEBRIS WITHIN PROJECT SITE LIMITS AND OTHER AREAS AFFECTED BY CONSTRUCTION IS REQUIRED.
- COORDINATE TEMPORARY STORAGE LOCATION OF ALL POOL EQUIPMENT BEING SALVAGED FOR REUSE WITH OWNER.

KEYNOTE LEGEND

1	CLEAN ALL CORRODED PLUMBING AND SPRINKLER PIPES AND COAT WITH ANTI-CORROSIIVE COATING. REF MECHANICAL.
2	CAREFULLY REMOVE (E) LIGHTING, REF. ELECTRICAL.
3	CEILING FAN TO REMAIN. PROTECT DURING CONSTRUCTION.

DEMO RCP LEGEND

- EXISTING CONSTRUCTION
- ITEMS TO BE DEMOLISHED
- KEYNOTES
- ELEVATION REFERENCE: NUMBER SHEET
- Room name
- ROOM TAG
- NIC
- (E) EXIT SIGN
- (E) CEILING FAN
- (E) LIGHT FIXTURE TO BE DEMO, REF ELECT.



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
 4/22/2024

REVISIONS

#	DATE

PROJECT ARCHITECT
 SMS
 PROJECT MANAGER
 LB
 DRAWN
 RS

**REFLECTED
 CEILING
 PLAN DEMO**

AD-1.2
 2208

1 REFLECTED CEILING DEMO PLAN
 1/8" = 1'-0"

ELEVATION DEMOLITION NOTES

- EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
- TEMPORARILY PROTECT ALL OPENINGS ON THE ROOF AFTER REMOVAL OF (E) CLERESTORIES AND ROOF TOP EQUIPMENT.
- REFER TO SHEET AD.0 FOR STAGING REQUIREMENTS
- REFER TO STRUCTURAL, ELECTRICAL, MECHANICAL DRAWINGS FOR ASSOCIATED DEMOLITION WORK.

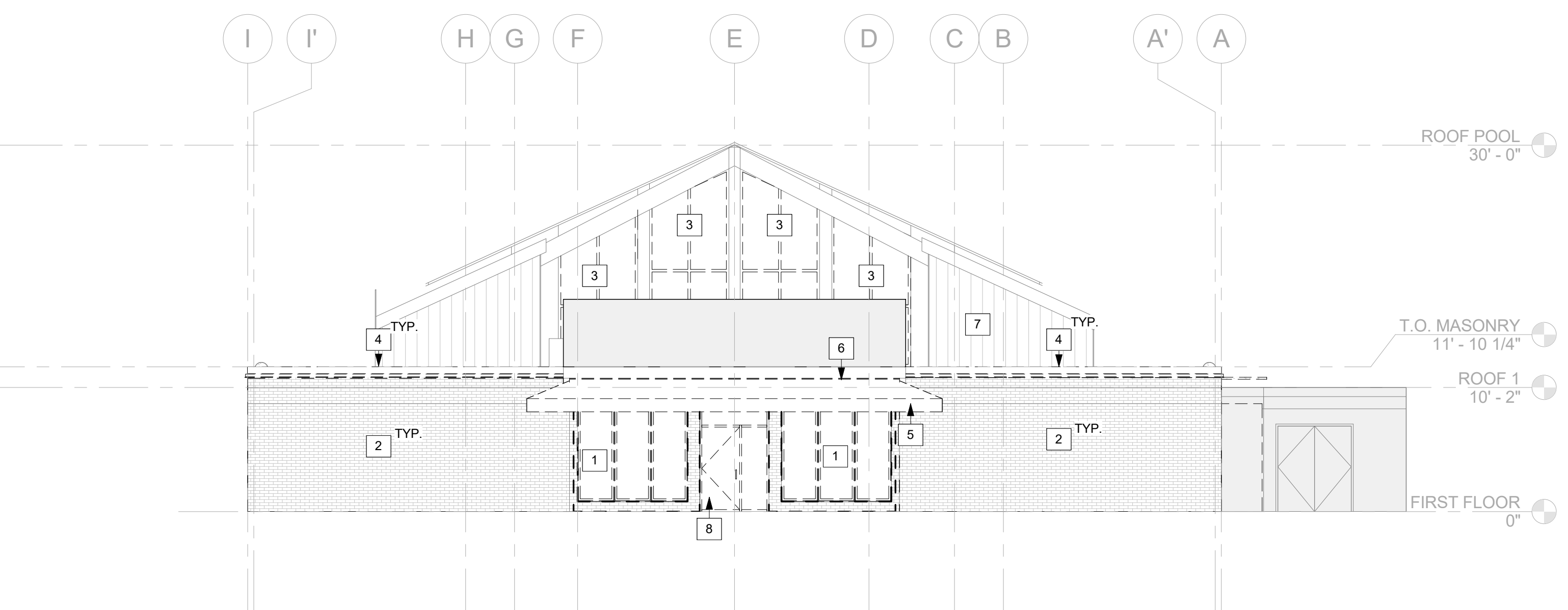
DEMO ELEV GRAPHIC LEGEND

- EXISTING CONSTRUCTION
- ITEMS TO BE DEMOLISHED
- KEYNOTES
- NIC
- T-111 SIDING TO BE REMOVED
- BRICK TO BE REPAIRED REF STRUCTURAL

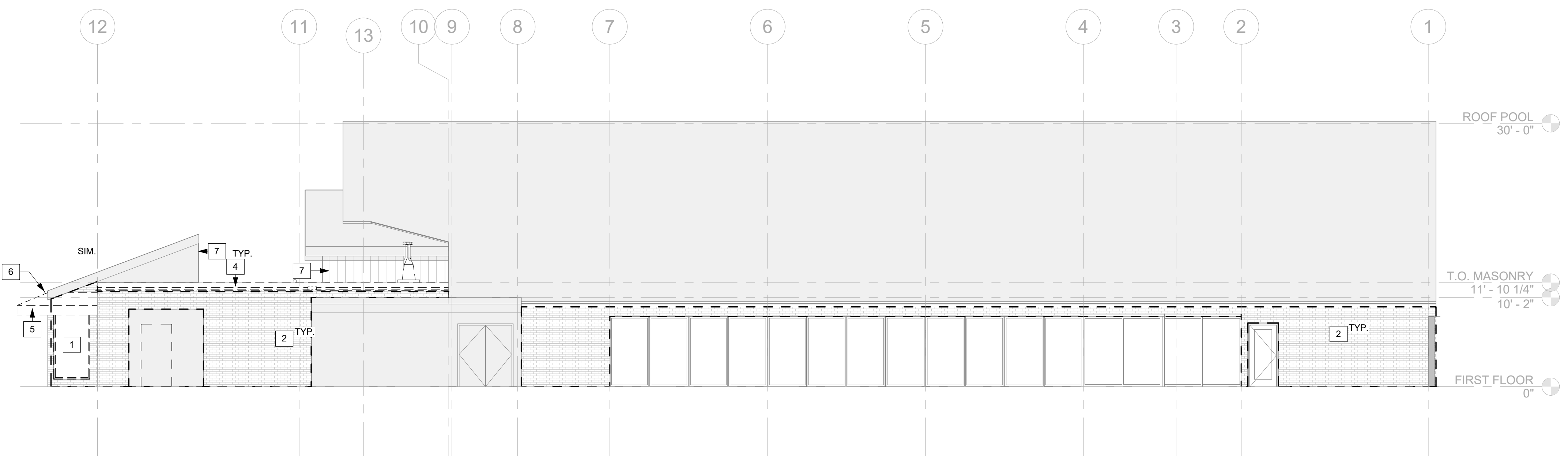
DETAIL REFERENCE:
 1 DETAIL #
 A101 SHEET #

DEMO EXTERIOR ELEVATION KEYNOTE LEGEND

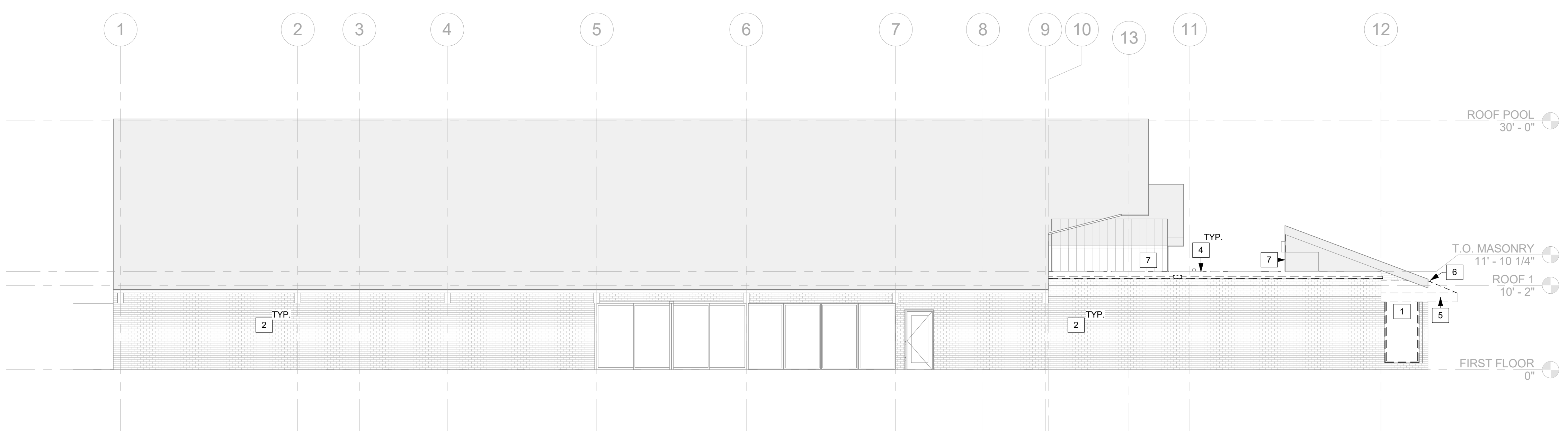
1	REMOVE (E) STOREFRONT SYSTEM TO ACCOMMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION .
2	CLEAN EFFLORESCENCE ON INTERIOR AND EXTERIOR OF BRICK WALL. REPAIR (E) DAMAGED BRICK PER STRUCTURAL.
3	REMOVE (E) CLERESTORY WINDOWS TO ACCOMMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION
4	DEMOLISH (E) SHEET METAL FLASHING, COUNTERFLASHING, AND COPING.
5	CAREFULLY/TEMPORARILY REMOVE (E) AWNING. SAFELY STORE DURING CONSTRUCTION. COORDINATE WITH OWNER FOR STORAGE LOCATION.
6	DEMOLISH (E) GUTTER.
7	TRIM (E) T1-11 SIDING TO ACCOMMODATE RAISED ROOF ASSEMBLY.
8	REMOVE (E) EXTERIOR DOOR AND FRAME TO ACCOMMODATE NEW WORK. PROTECT OPENINGS AFTER REMOVAL FROM WATER INGRESS AND/ OR INTRUSION .



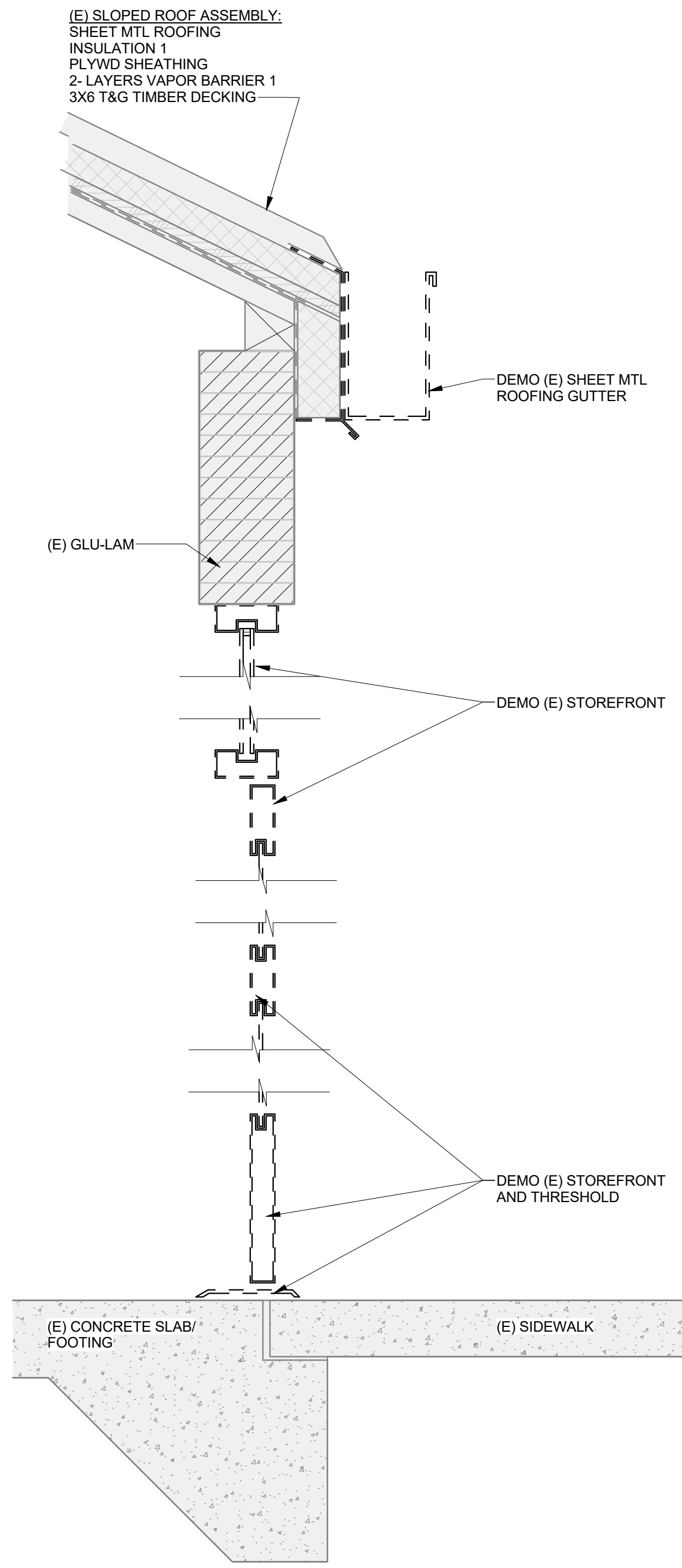
1 DEMO NORTH ELEVATION
 1/8" = 1'-0"



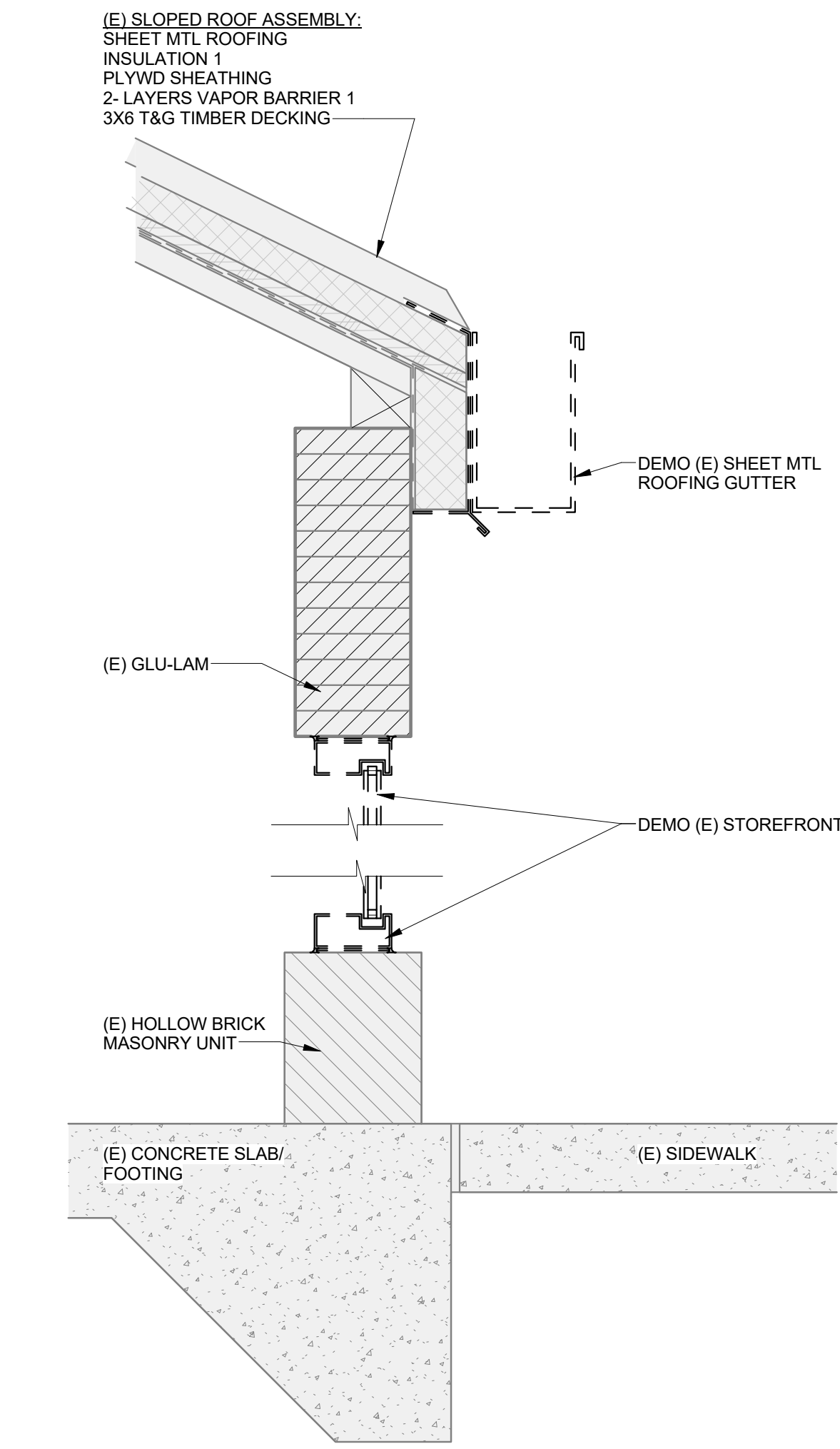
2 DEMO EAST ELEVATION
 1/8" = 1'-0"



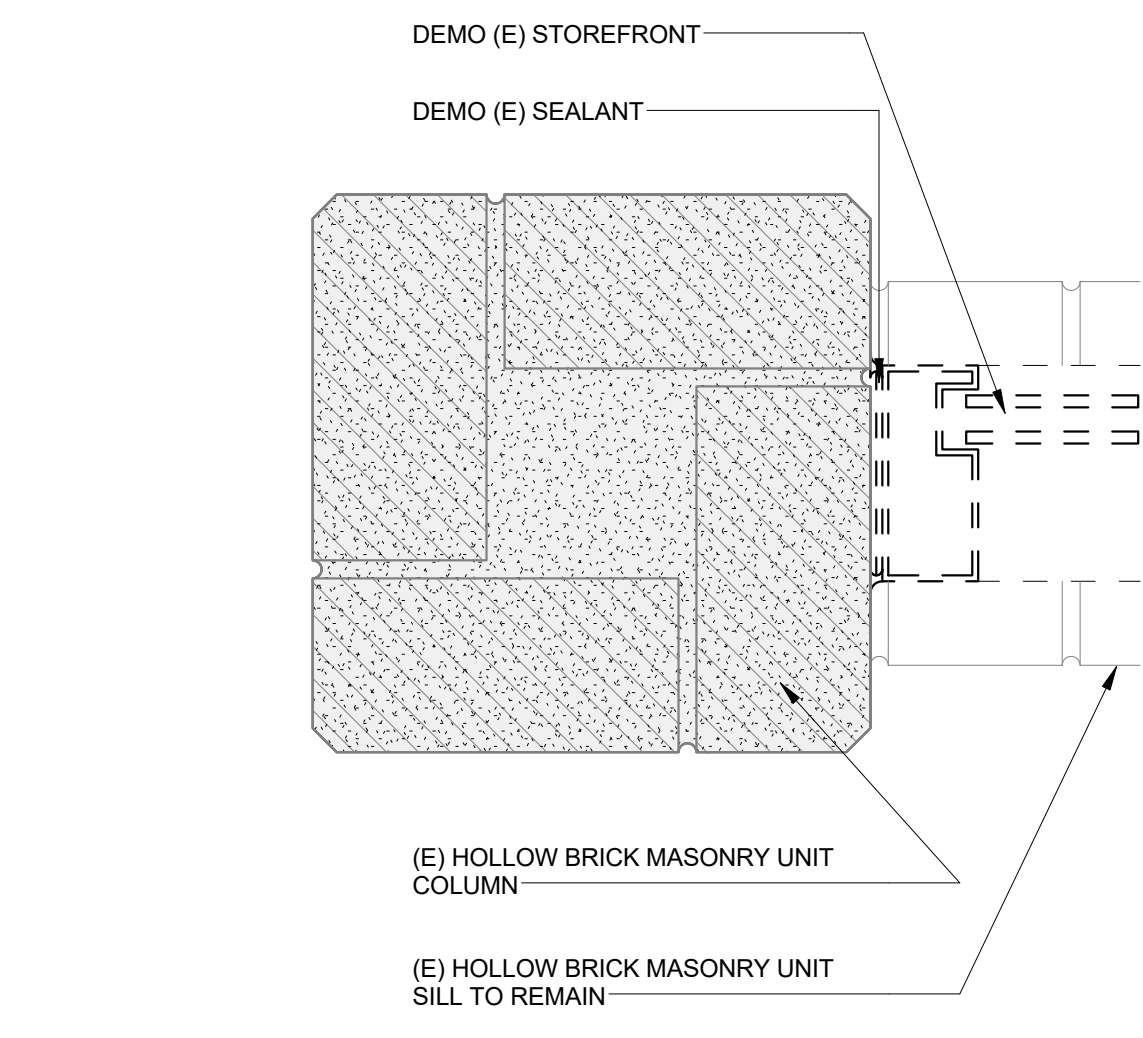
3 DEMO WEST ELEVATION
 1/8" = 1'-0"



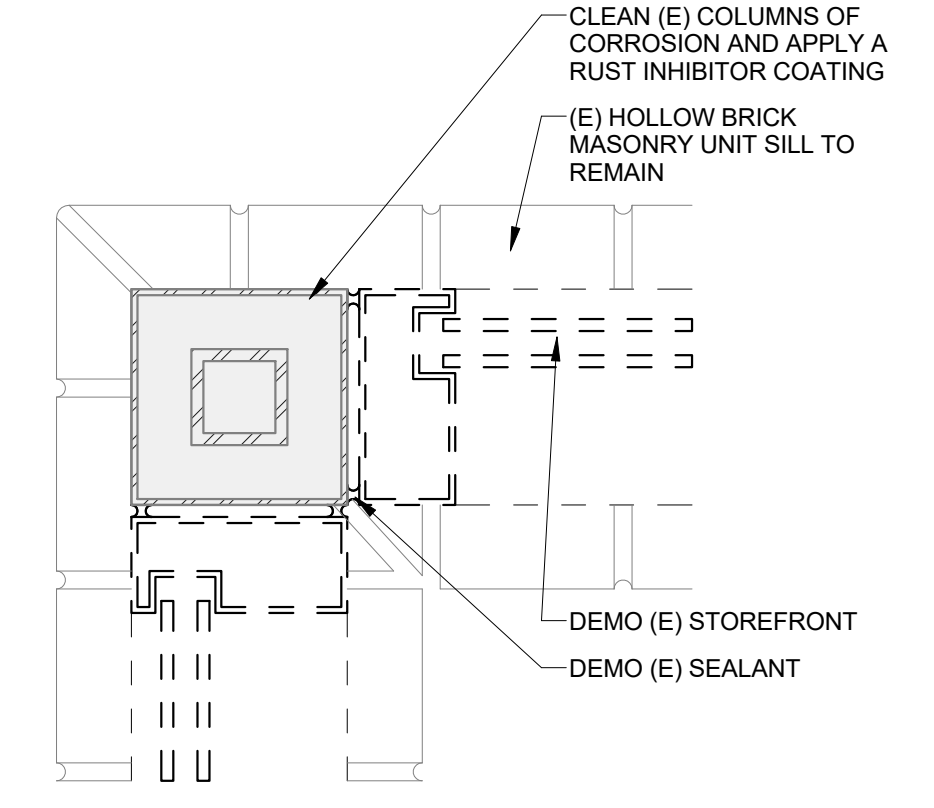
1 (E) LOBBY STOREFRONT DOOR HEAD/ THRESHOLD DEMO
 1 1/2" = 1'-0"



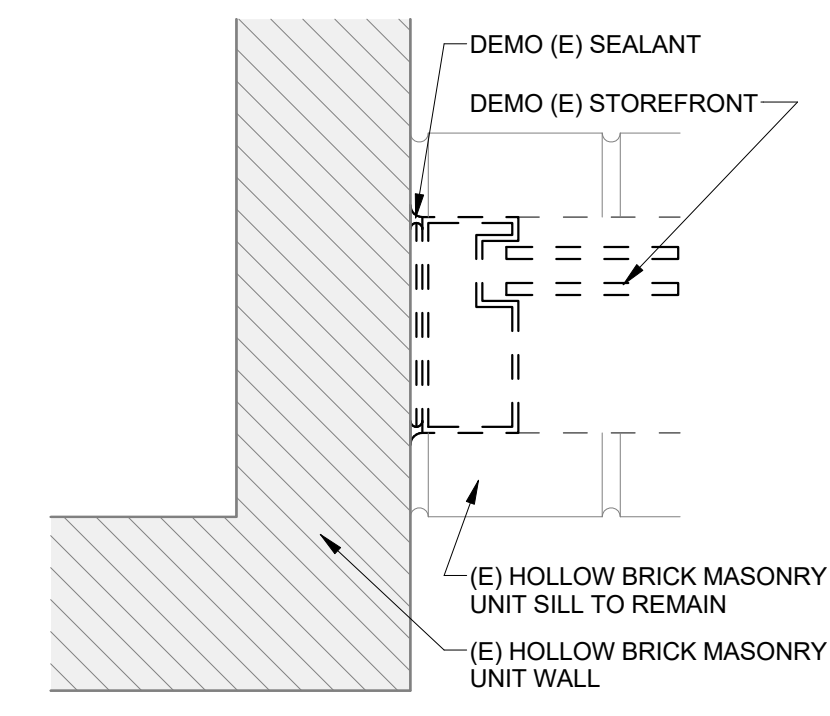
6 (E) LOBBY STOREFRONT HEAD/ THRESHOLD DEMO
 1 1/2" = 1'-0"



3 (E) LOBBY STOREFRONT JAMB
 3" = 1'-0"



4 (E) LOBBY STOREFRONT JAMB CORNER
 3" = 1'-0"



7 (E) LOBBY STOREFRONT JAMB @INSIDE CORNER
 3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

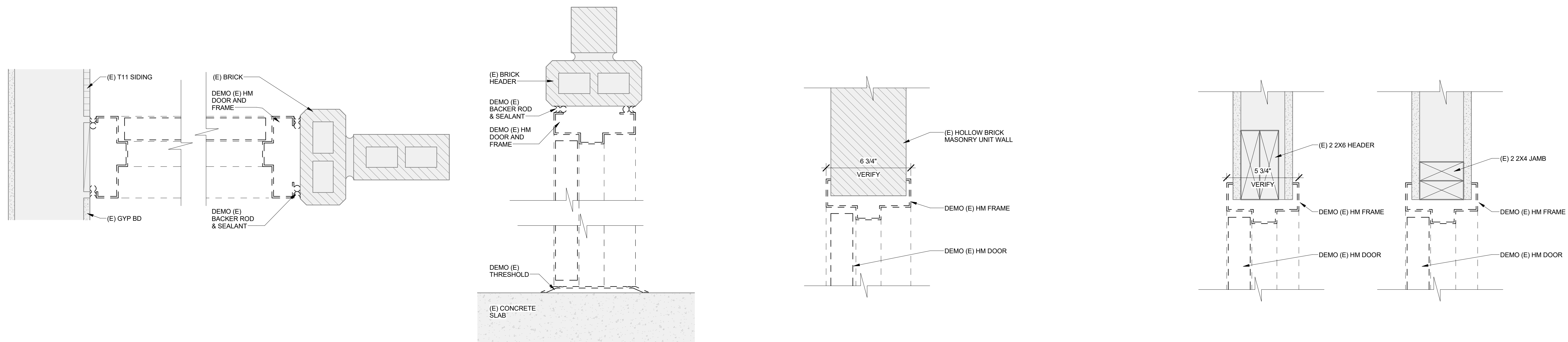
BID SET PHASE 1
 4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

**DEMO
DETAILS**

AD-3.0
 2208

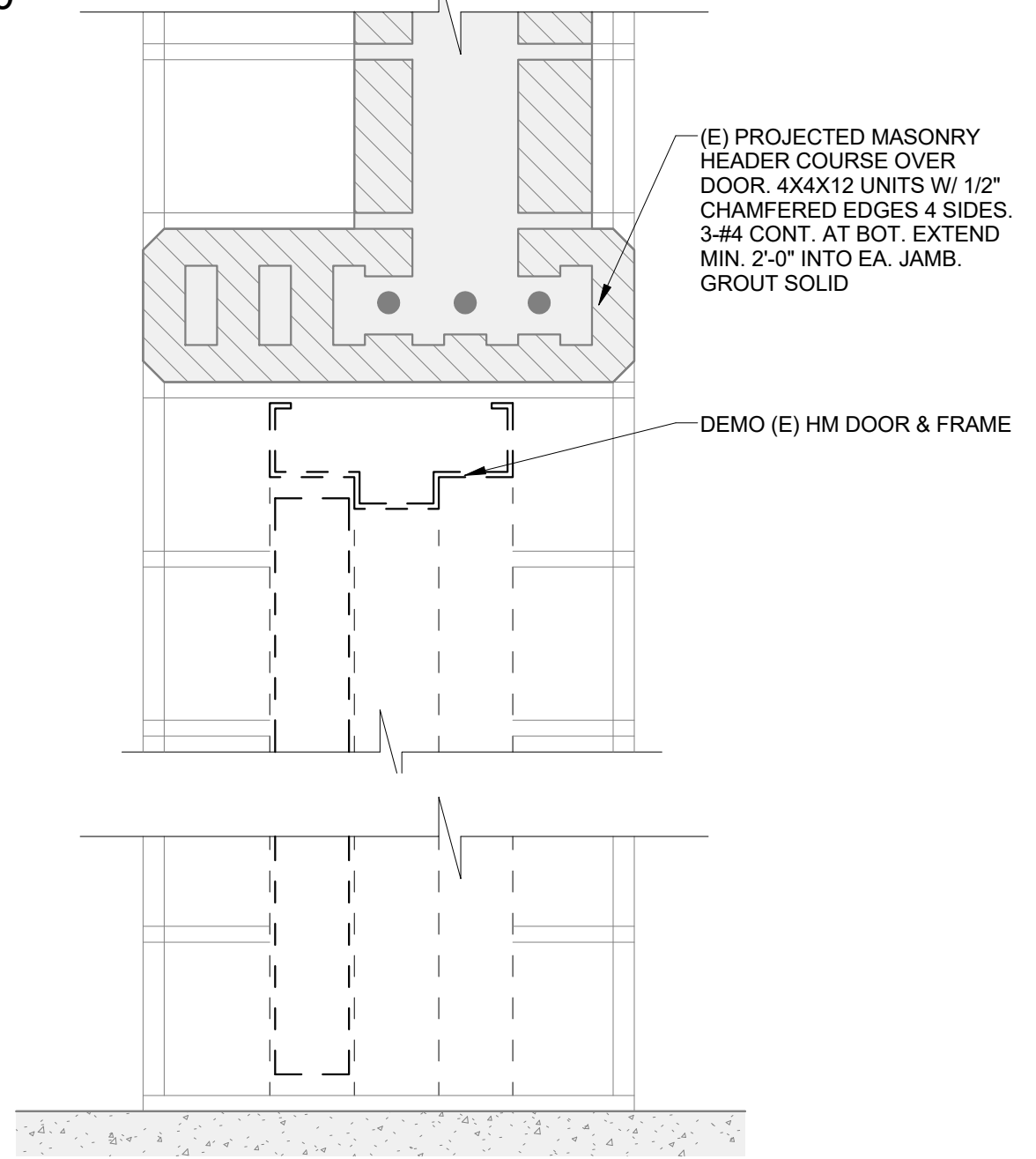


1 (E) EXT STORAGE DOOR JAMB
 3" = 1'-0"

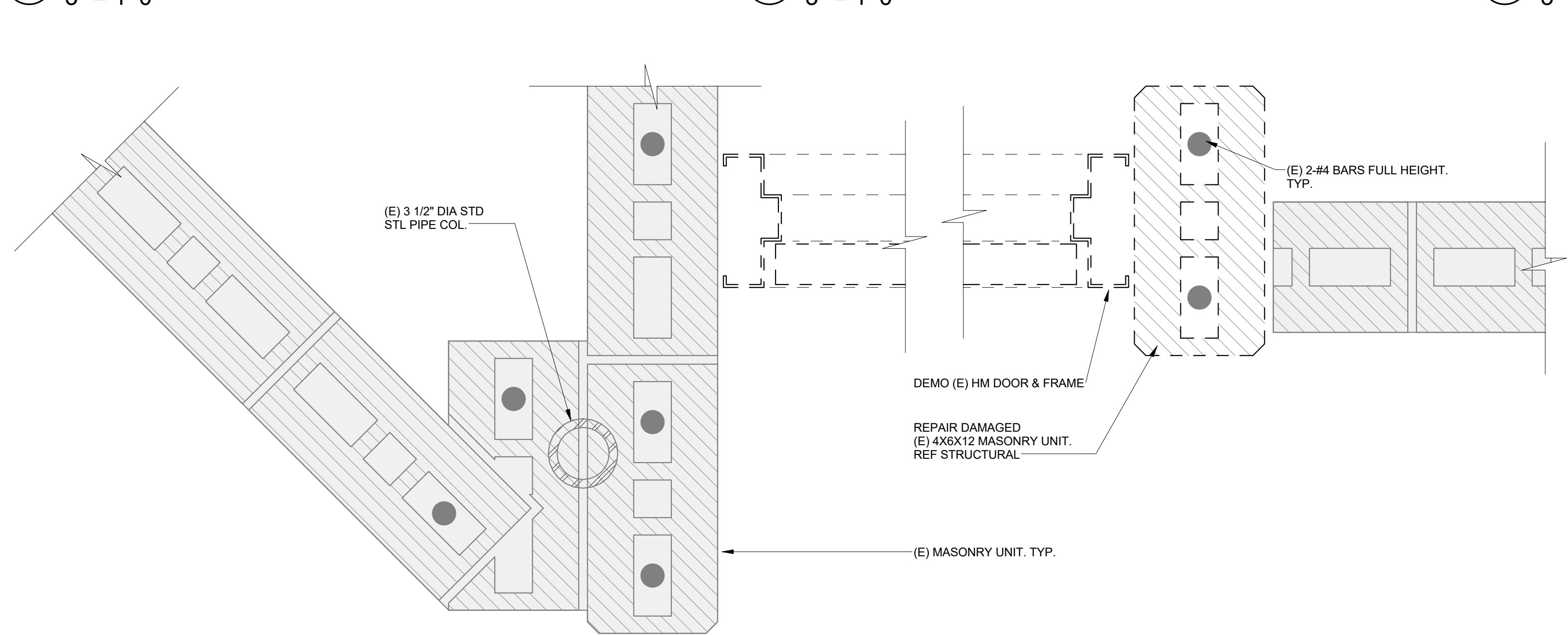
2 (E) EXT STORAGE DOOR HEAD/THRESHOLD-DEMO
 3" = 1'-0"

3 (E) INT HM DOOR @ BRICK HEAD/ JAMB - DEMO
 3" = 1'-0"

4 (E) INT HM DOOR @ WD FRAME HEAD/ JAMB - DEMO
 3" = 1'-0"



5 (E) STORAGE DOOR HEAD. THRESHOLD - DEMO
 3" = 1'-0"



6 (E) STORAGE DOOR JAMB - DEMO
 3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

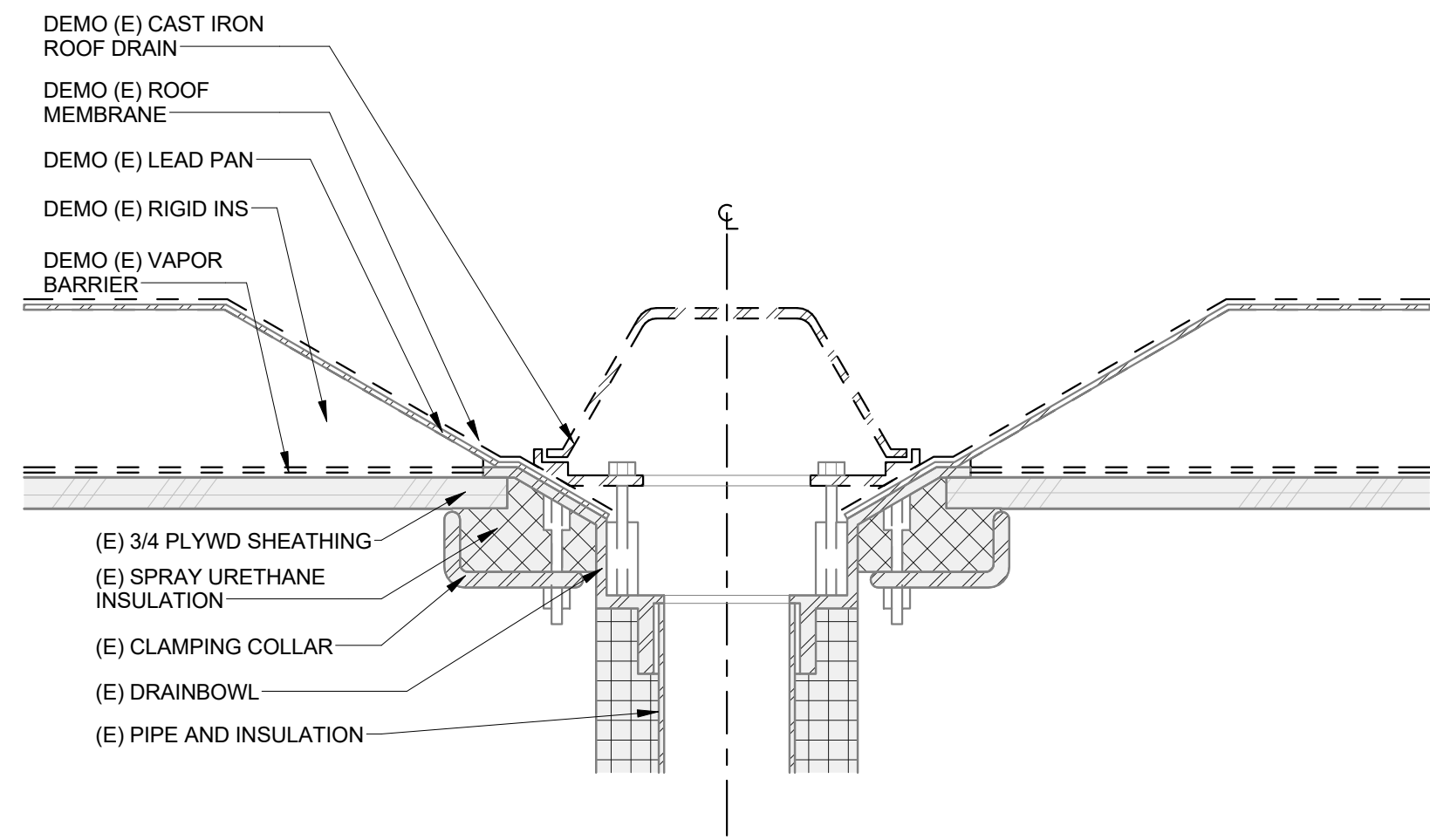
BID SET PHASE 1
 4/22/2024

REVISIONS	
#	DATE

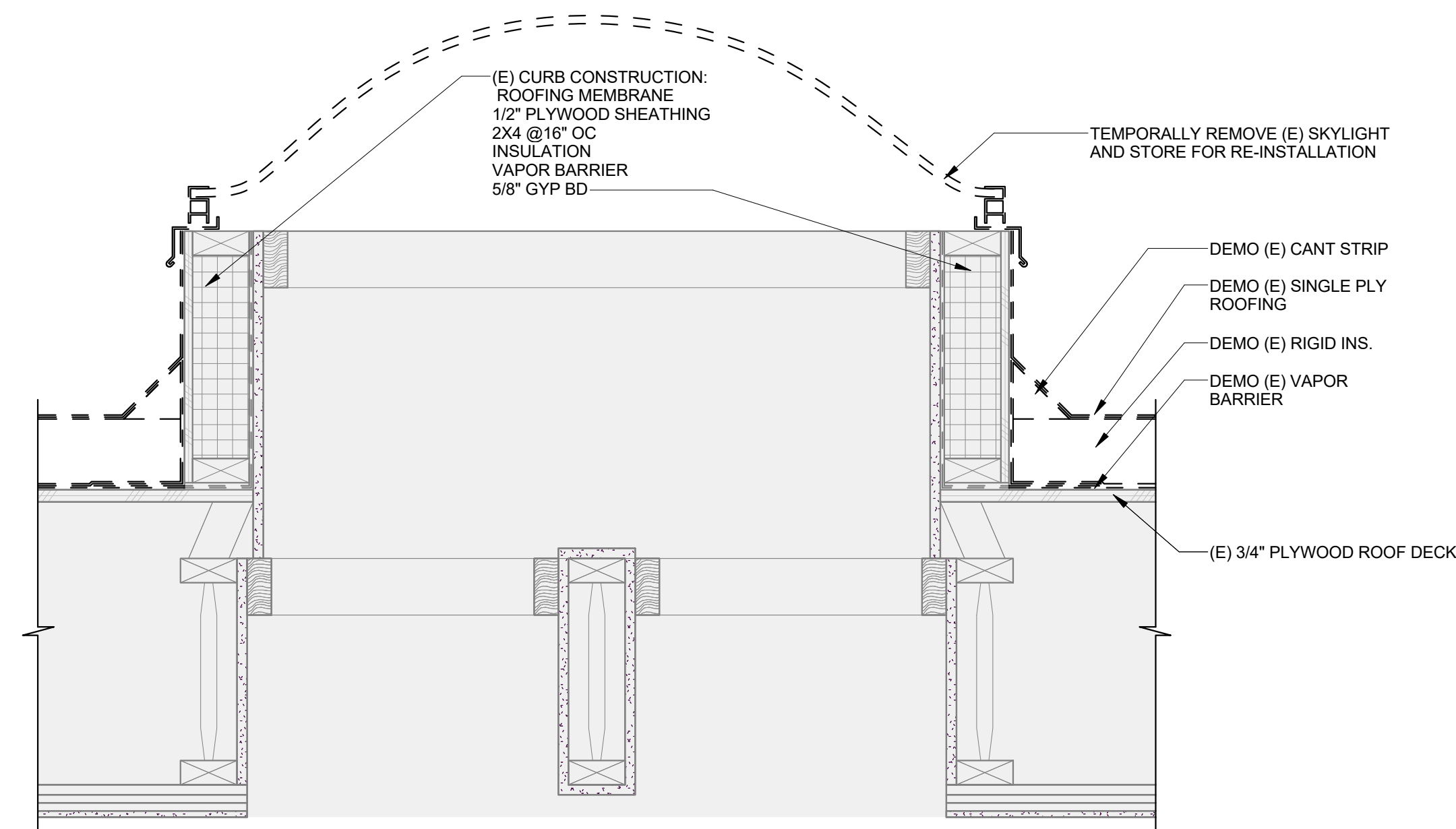
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

**DEMO
 DETAILS**

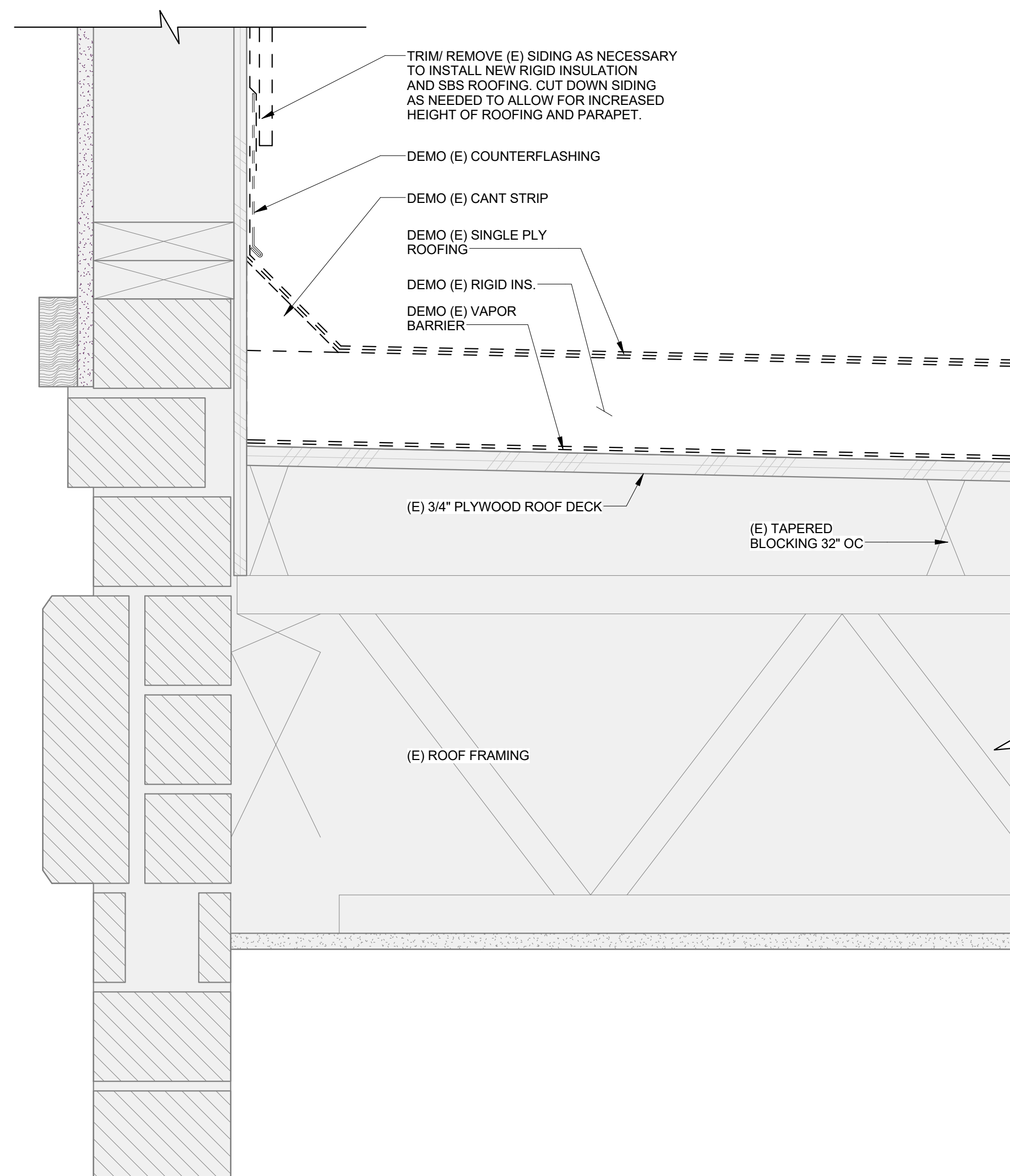
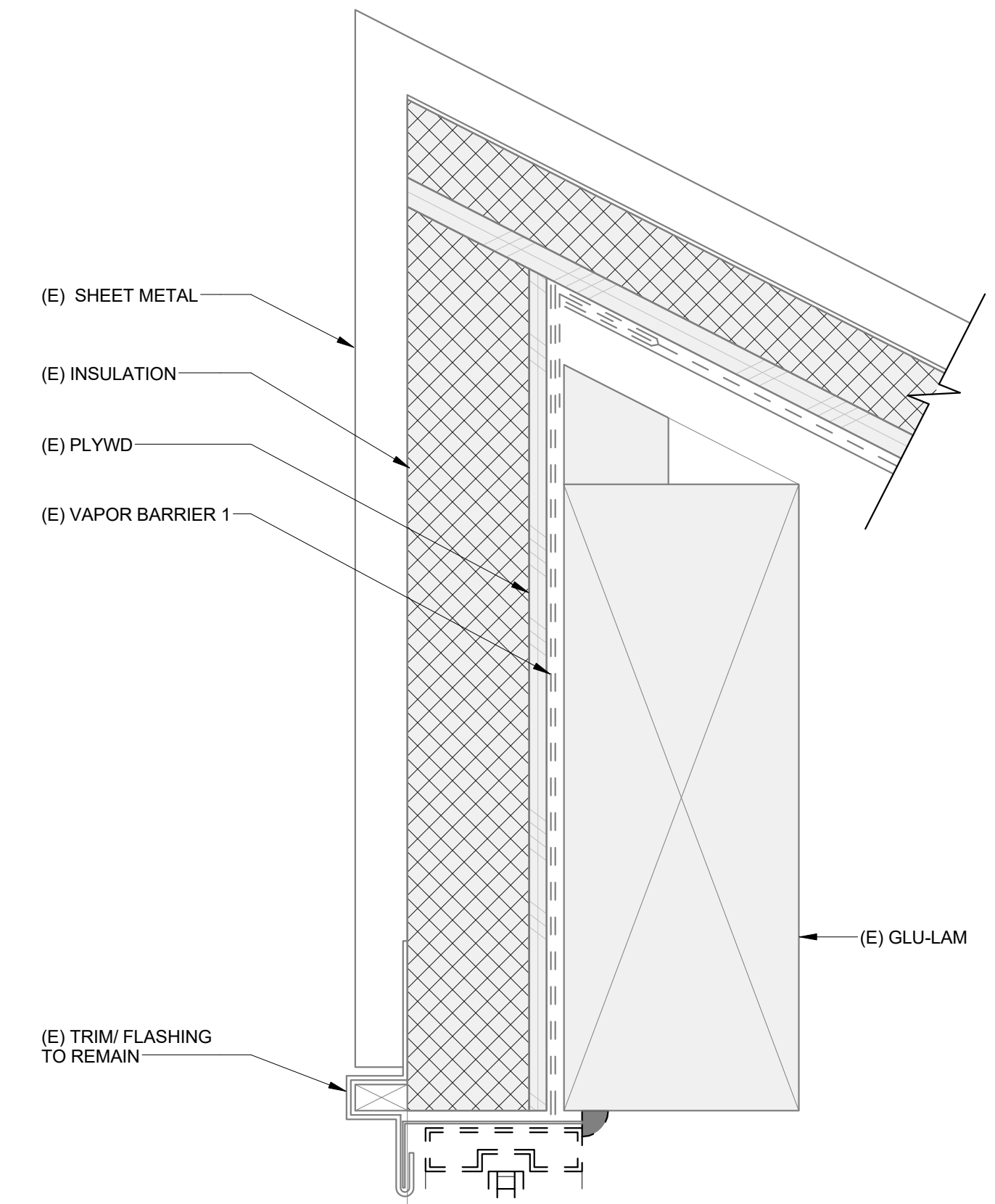
AD-3.1
 2208



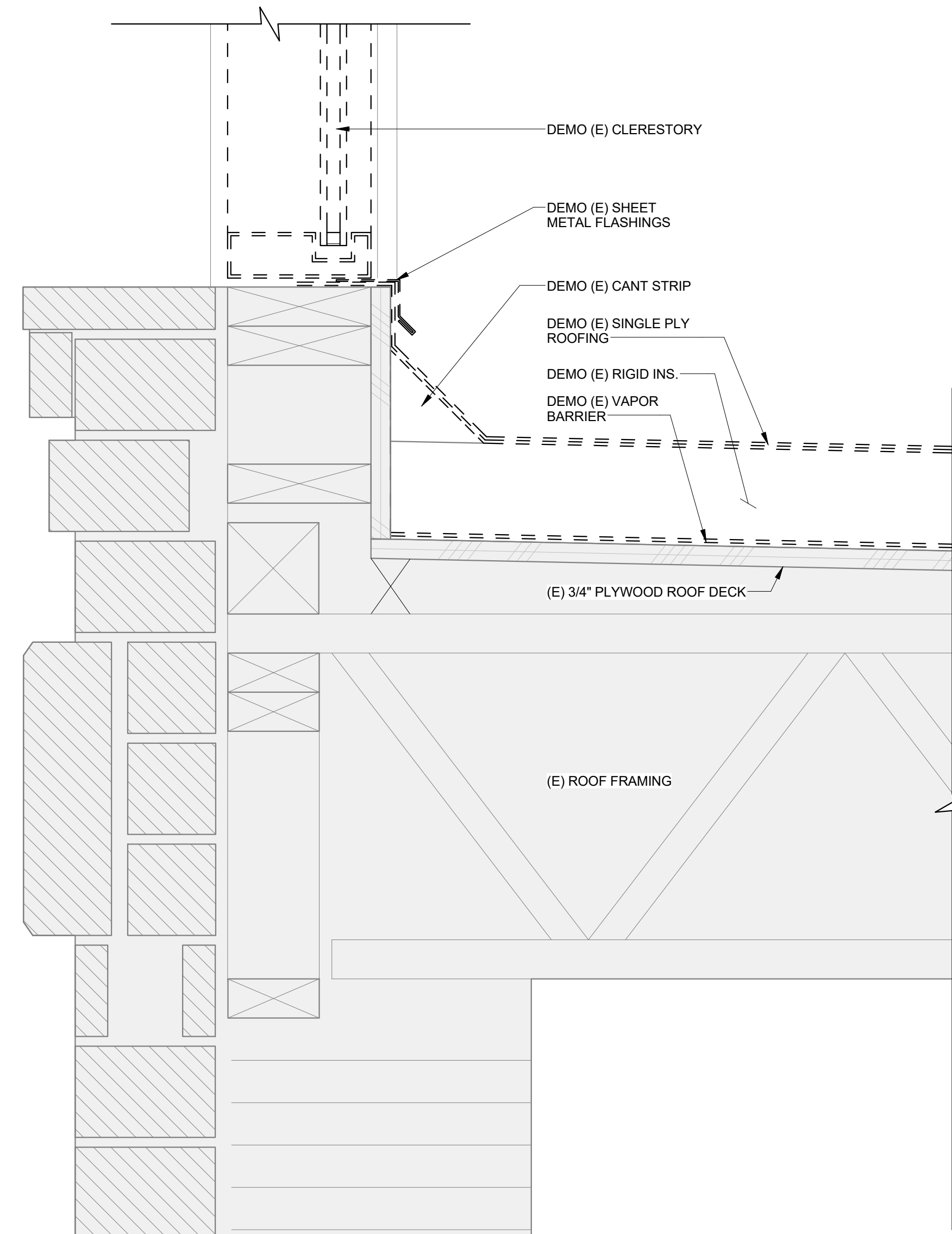
1 (E) ROOF DRAIN - DEMO
 3" = 1'-0"



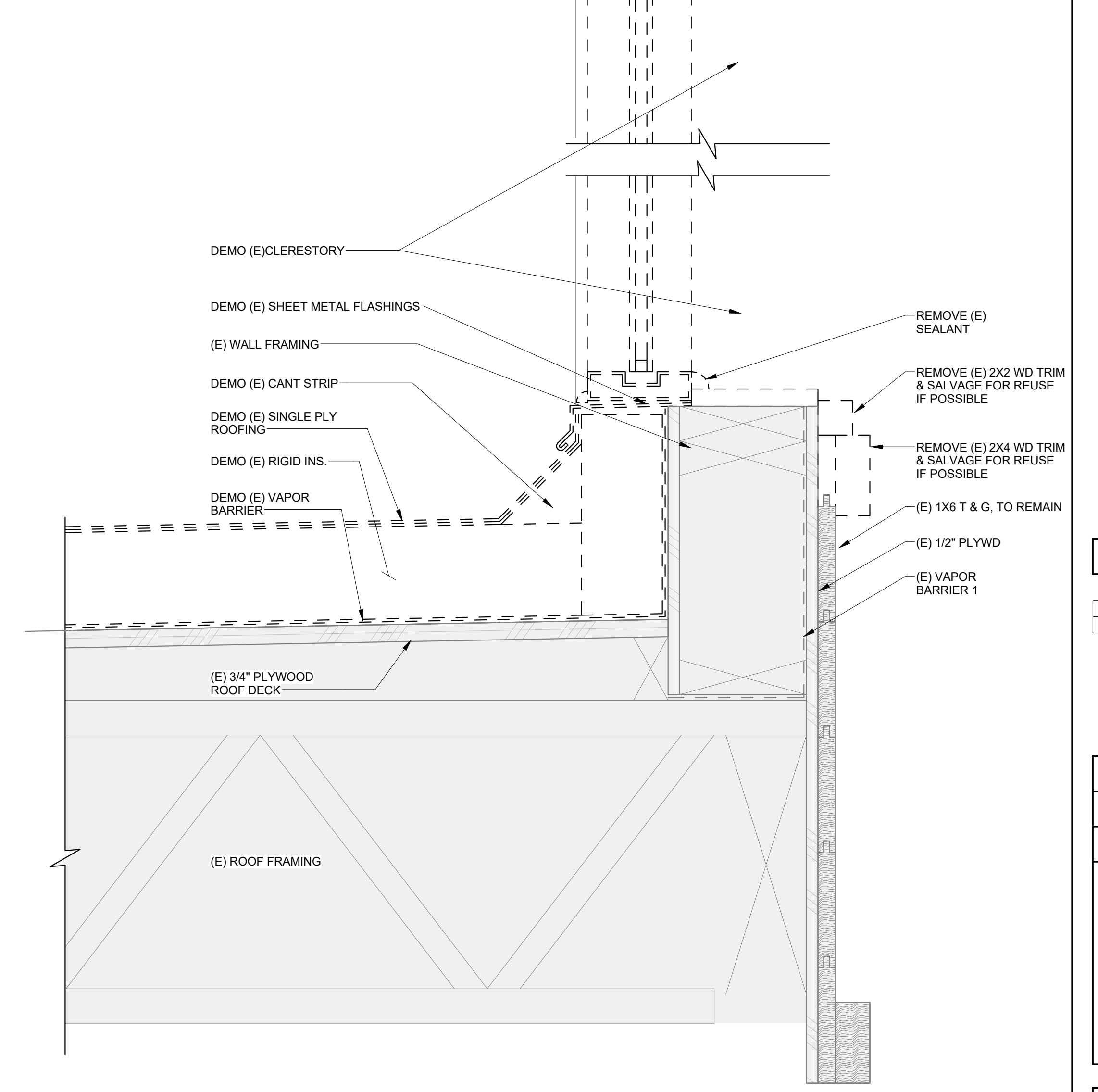
2 (E) SKYLIGHT SECTION - DEMO
 1 1/2" = 1'-0"



3 (E) ROOF TO WALL AT SIDING - DEMO
 3" = 1'-0"



4 (E) NANATORIUM CLERESTORY - DEMO
 3" = 1'-0"



5 (E) LOBBY CLERESTORY - DEMO
 3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
 4/22/2024

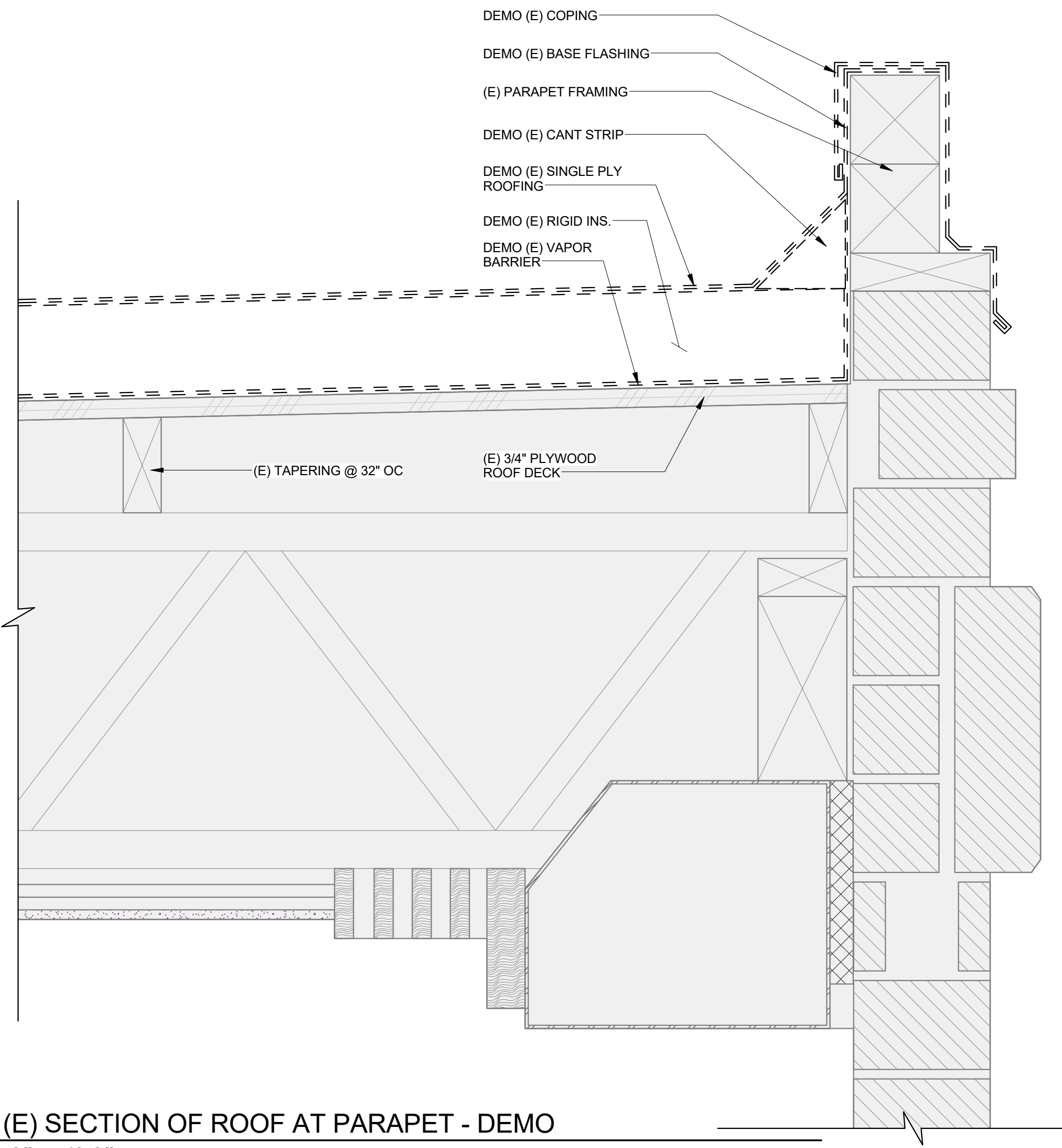
REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	SL

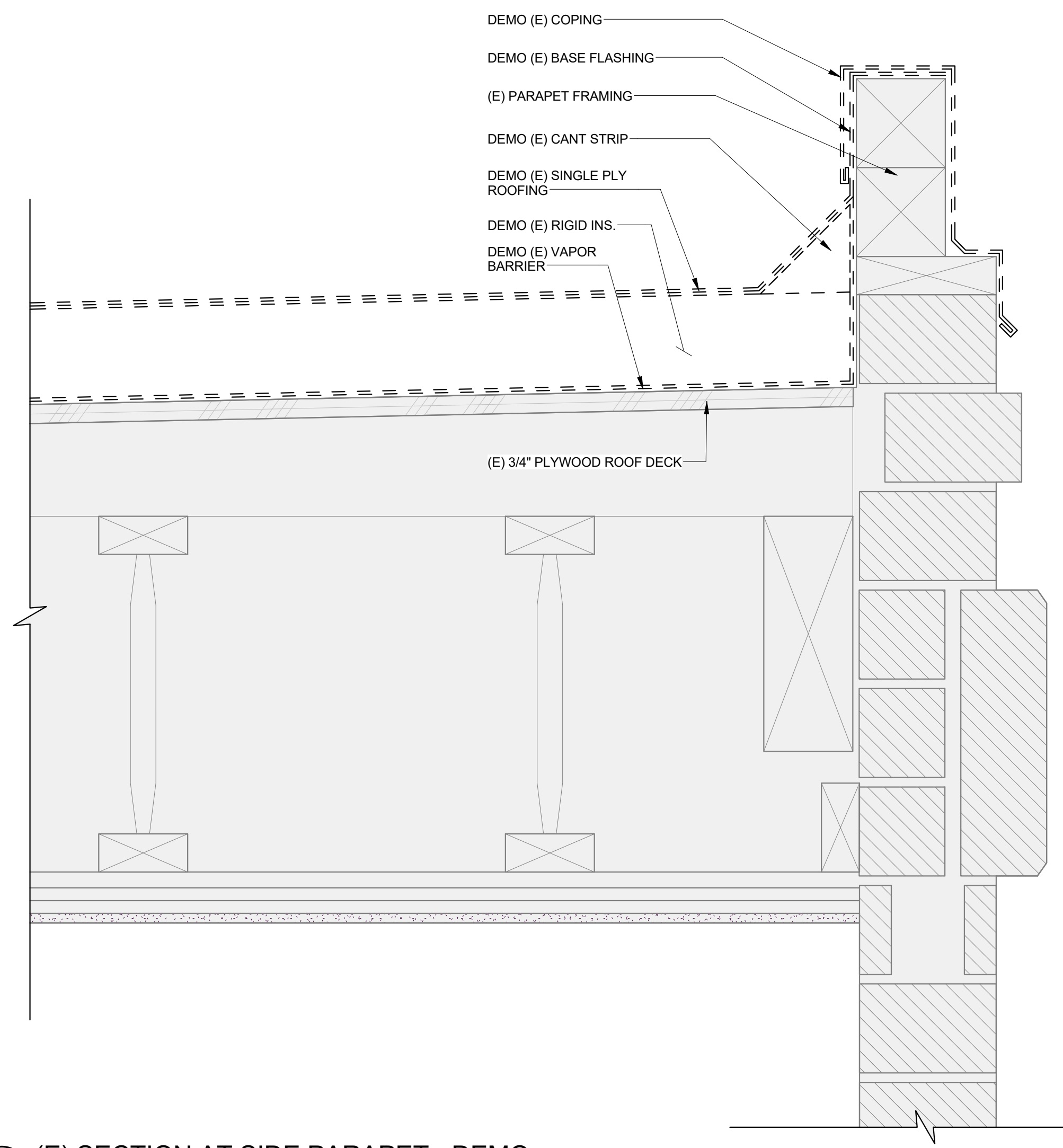
ROOF DEMO DETAILS

AD-3.2

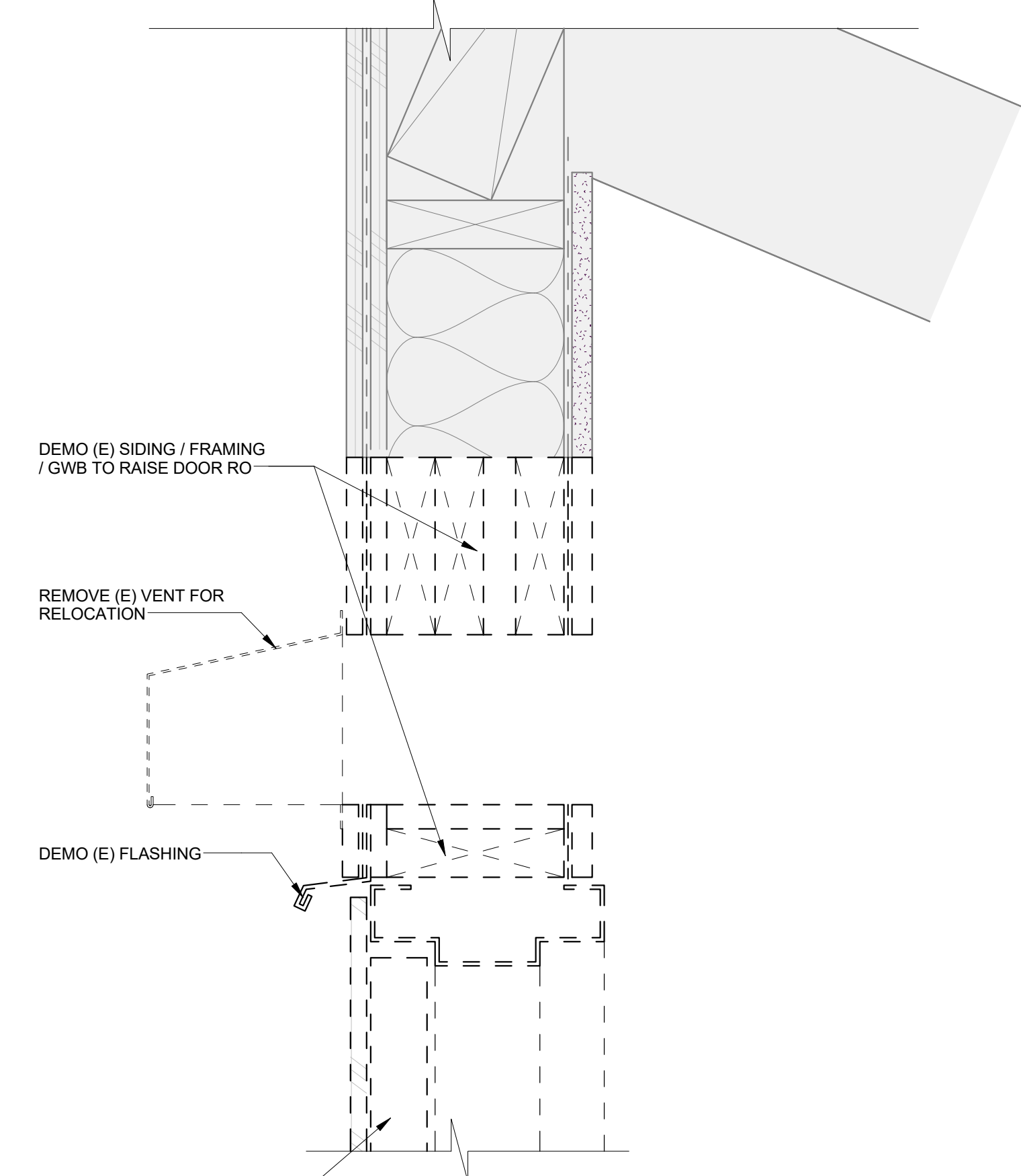
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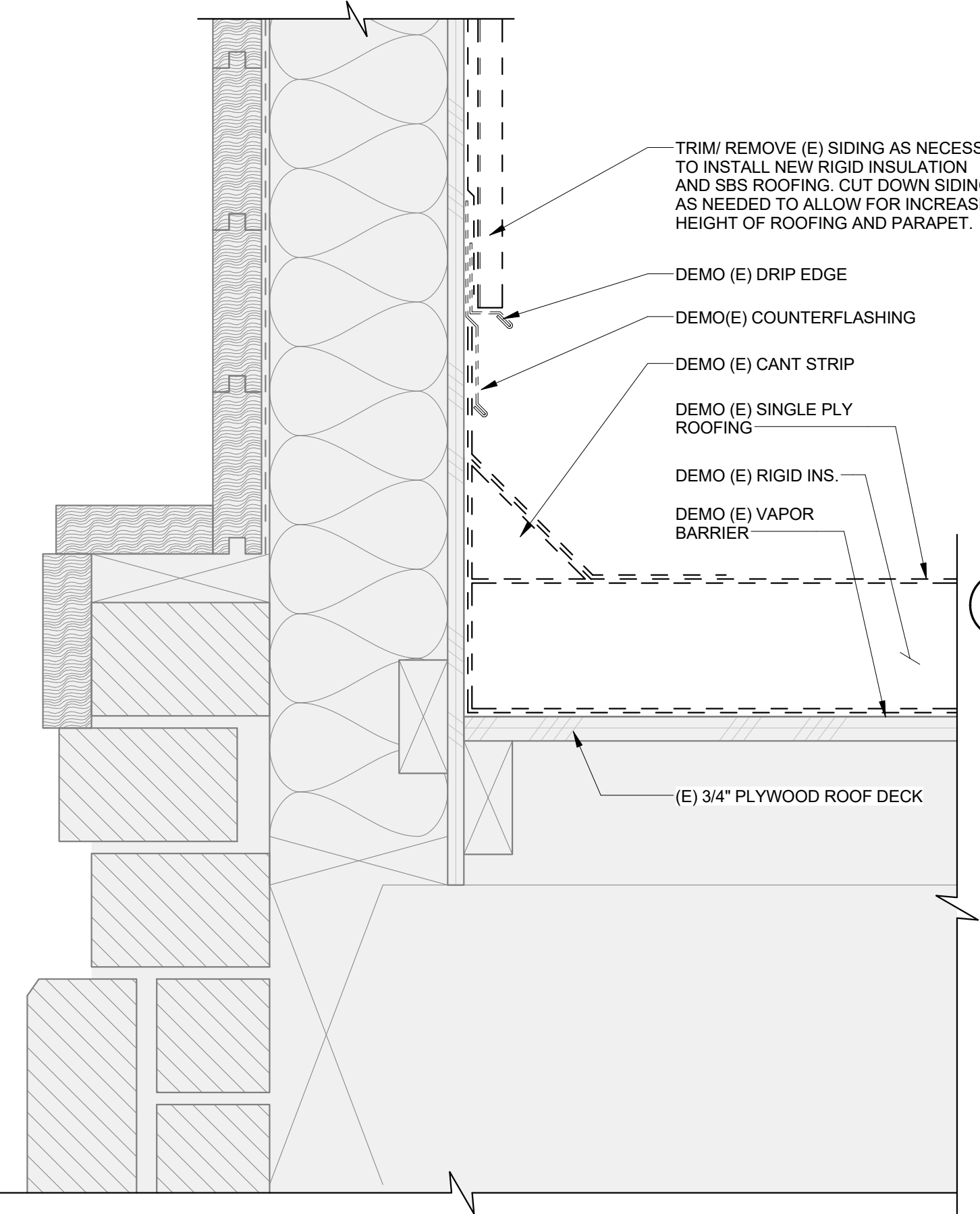
1 (E) SECTION OF ROOF AT PARAPET - DEMO
3" = 1'-0"



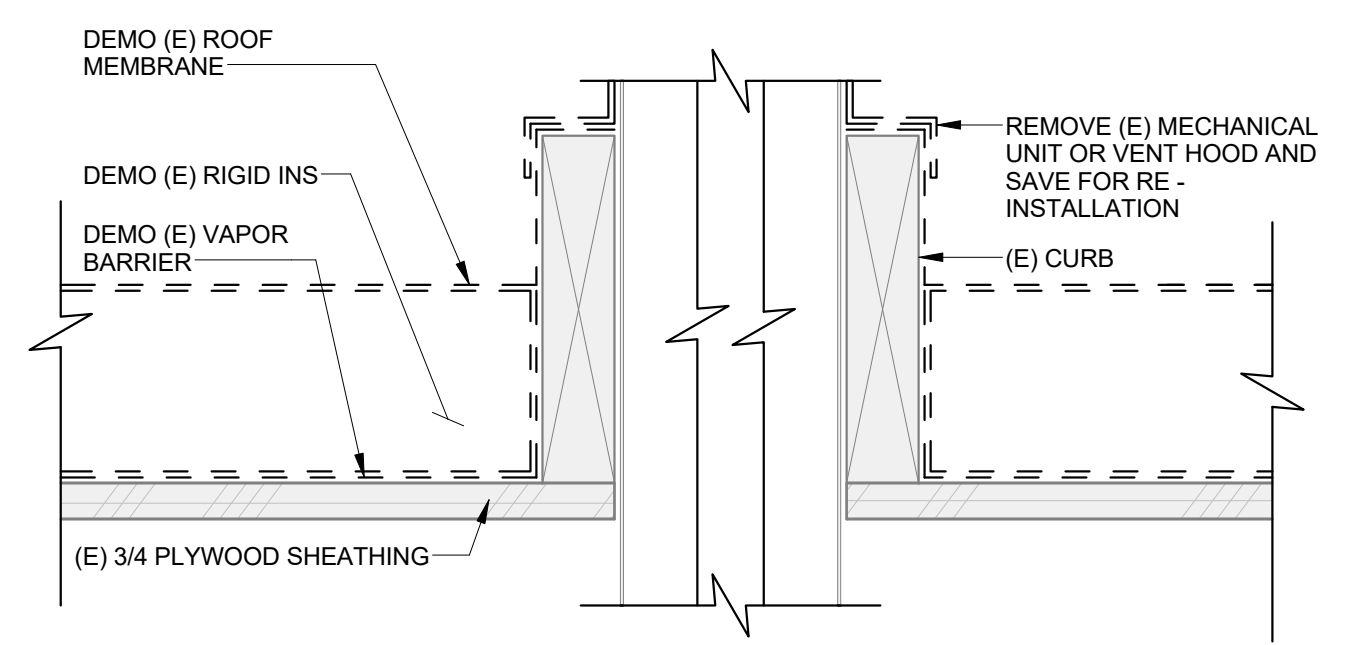
2 (E) SECTION AT SIDE PARAPET - DEMO
3" = 1'-0"



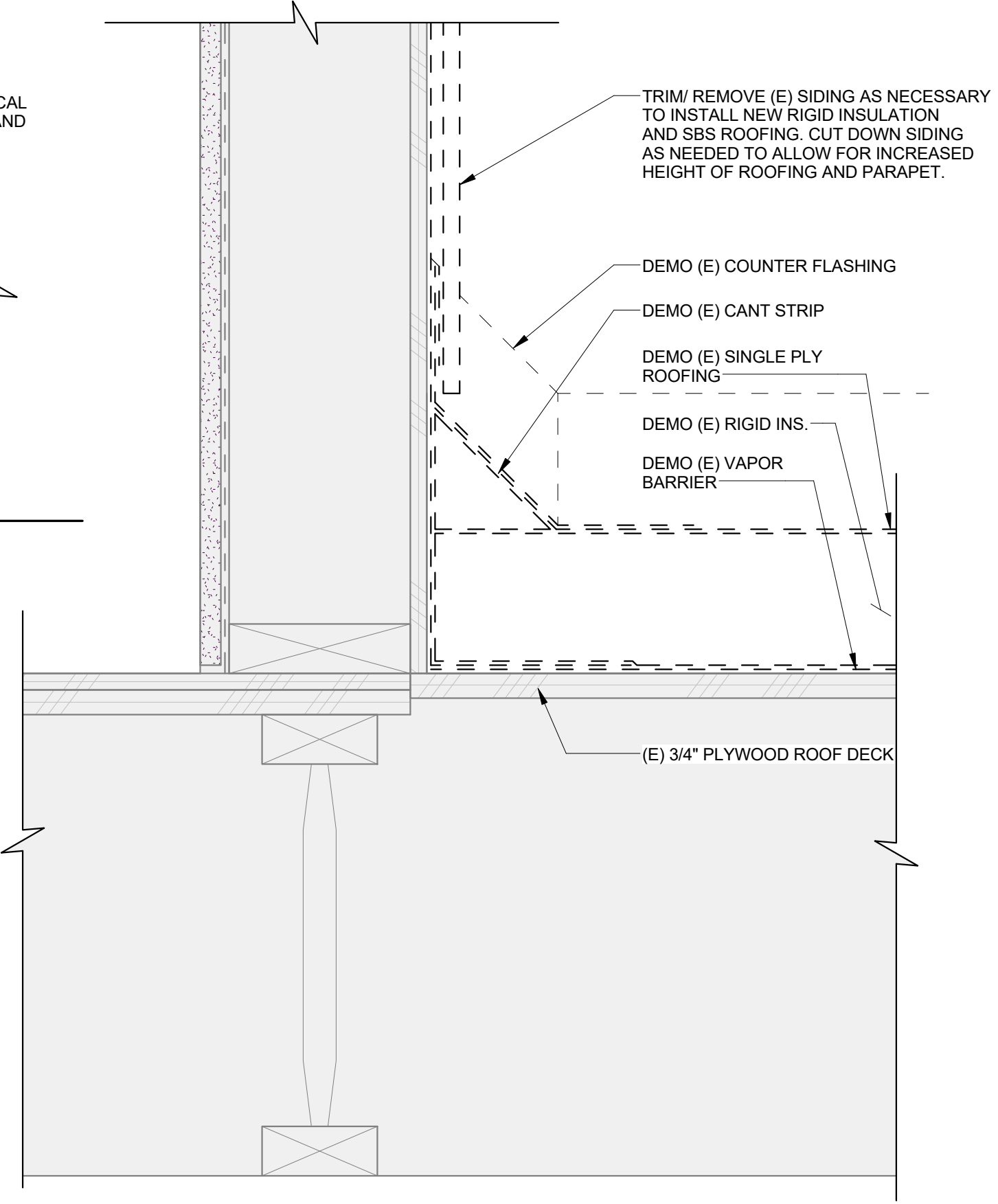
11 (E) MECH SIDING - DEMO
3" = 1'-0"



6 MECHANICAL CURB - DEMO
3" = 1'-0"



9 ROOF TO SIDE WALL AT LOBBY CLERESTORY - DEMO
3" = 1'-0"



12 (E) MECH LOFT DOOR VERTICAL SECTION - DEMO
3" = 1'-0"

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FLOOR PLAN GENERAL NOTES

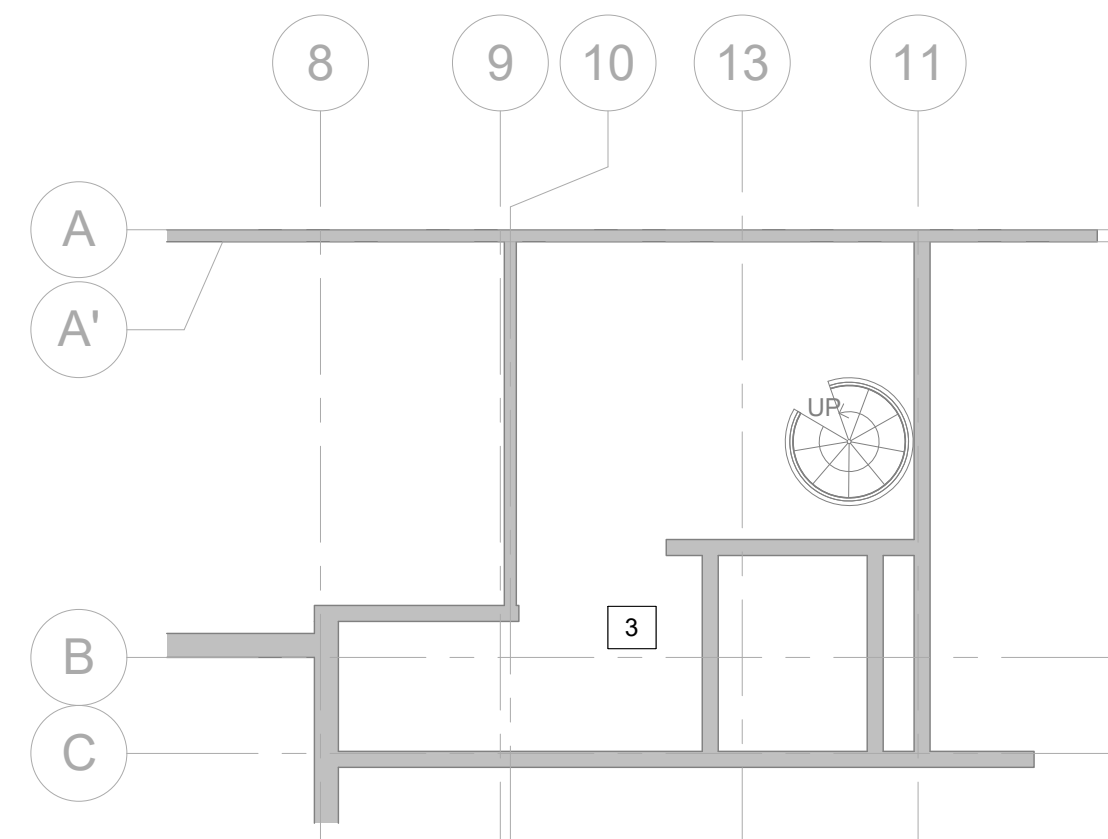
- EXISTING DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE FIELD VERIFIED BY GC. CONTACT THE ARCHITECT IF DISCREPANCIES ARE DISCOVERED.
- CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY AND COMPLIANCE WITH ALL STATE OR LOCAL CODES AND ORDINANCES GOVERNING THE WORK.
- DATA/ELECTRICAL/MECHANICAL ARE SHOWN FOR REFERENCE ONLY. DATA, ELECTRICAL, AND MECHANICAL DESIGN SHALL BE SUBMITTED BY CONTRACTOR AND PERMITTED UNDER SEPARATE PERMIT.
- NOISE AND DUST CONTROL IN AREAS OF WORK IS CRITICAL. PROTECTION OF EXISTING FACILITIES AND ANY EXISTING EQUIPMENT FROM DUST AND CONSTRUCTION DEBRIS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DAILY CLEAN-UP OF CONSTRUCTION DUST AND DEBRIS WITHIN PROJECT SITE LIMITS AND OTHER AREAS AFFECTED BY CONSTRUCTION IS REQUIRED.
- PROVIDE A WORK AND DUST CONTROL BARRIER AT NATATORIUM TO SEPARATE FROM THE REMAINING BUILDING IN OPERATION.
- COORDINATE TEMPORARY STORAGE LOCATION OF ALL POOL EQUIPMENT BEING SALVAGED FOR REUSE WITH OWNER.

KEYNOTE LEGEND

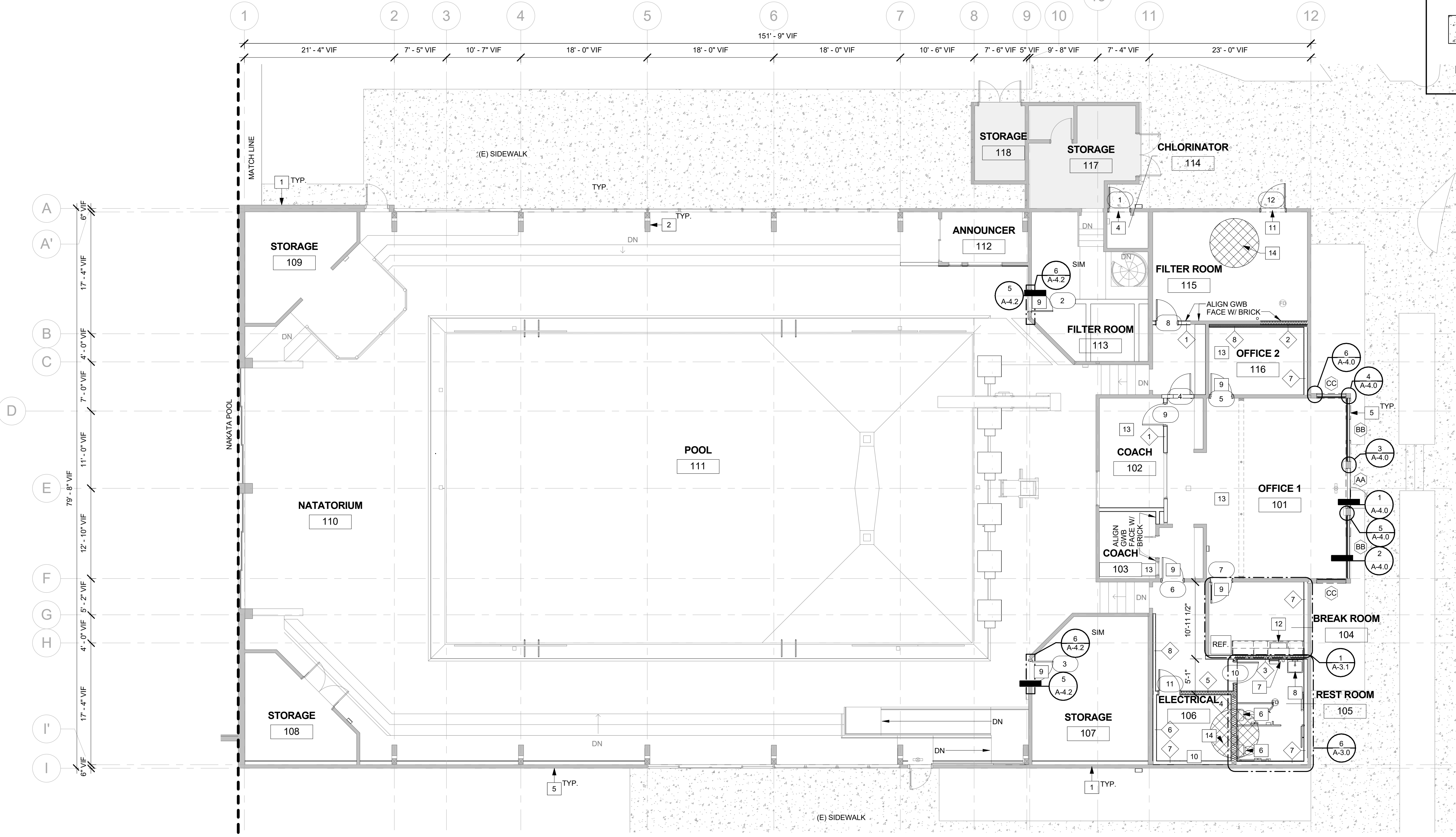
1	CLEAN EFFLORESCENCE ON INTERIOR AND EXTERIOR OF BRICK WALL. REPAIR (E) DAMAGED BRICK PER STRUCTURAL.
2	CLEAN BASE PLATES AND METAL SEATS TO REMOVE CORROSION. COAT BASE PLATES AND METAL SEATS. REF STRUCTURAL.
3	REPAIR SPALLING AND DELAMINATED CONCRETE AT FILTER ROOM. REF STRUCTURAL.
4	FURNISH AND INSTALL EXTERIOR DOOR, DOOR FRAME, ALL ASSOCIATED ADA HARDWARE.
5	FURNISH AND INSTALL NEW STOREFRONT SYSTEM, IN ITS ENTIRETY. REF A4.0 FOR DETAILS, TYP.
6	INSTALL NEW PLUMBING FIXTURES PER MECHANICAL.
7	FURNISH AND INSTALL NEW TOILET ACCESSORIES: PAPER TOWEL AND DISPENSER COMBO, SOAP DISPENSER, MIRROR, TOILET PAPER DISPENSER, SEAT COVER DISPENSER, GRAB BARS, AND SANITARY NAPKIN DISPOSAL. SEE A4.0 FOR LOCATIONS.
8	FURNISH AND INSTALL NEW PLUMBING FIXTURE PER MECHANICAL. REF A4.0 FOR MOUNTING.
9	FRAME IN (E) DOOR ROUGH OPENING TO FIT NEW DOOR FRAME. FURNISH AND INSTALL NEW INTERIOR DOOR, DOOR FRAME, AND HARDWARE.
10	FURNISH AND INSTALL NEW ELECTRICAL PANEL. REF ELECTRICAL.
11	FURNISH AND INSTALL NEW 42" WIDE HOLLOW METAL DOOR. REF STRUCTURAL.
12	FURNISH AND INSTALL NEW CASEWORK AND ACCESSIBLE KITCHEN SINK. REF INTERIOR ELEVATIONS.
13	WHERE DEMO HAS CREATED PITS AND DIVETS OR GLUE LEFT ON, OR GENERAL UNEVEN FLOOR, GRIND AND LEVEL FLOOR TO ACCOMMODATE NEW FINISH. FURNISH AND INSTALL NEW FLOORING.
14	INFILL SHOWER VOID. REF STRUCTURAL.

PLAN LEGEND

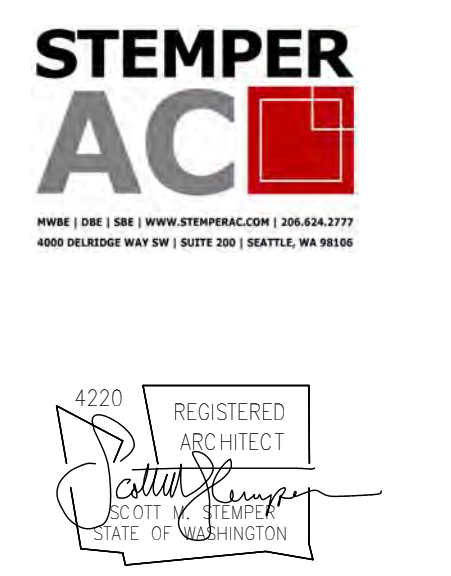
	KEYNOTE		EXISTING WALL CONSTRUCTION TO REMAIN
	NEW CONSTRUCTION		SECTION NUMBER DRAWING SHEET
	(E) DOOR TO REMAIN		DETAIL NUMBER DRAWING SHEET
	DOOR NUMBER SEE SCHEDULE		CALL OUT NUMBER DRAWING SHEET
Room name	ROOM NAME ROOM NUMBER		WALL TYPE INDICATOR TYP 1, TYP UNO WALL TYPES 1-8 COORDINATE W/ DETAILS ON A5.0
	INTERIOR ELEVATION DRAWING SHEET & NUMBER		NEW FIBERGLASS POOL LINER
	EXTERIOR ELEVATION NUMBER & DRAWING SHEET		INFILL SHOWER VOID REF STRUCTURAL.
	NEW CONCRETE POOL DECK REF STRUCTURAL		STOREFRONT/ CLERESTORY TAG



2 FILTERROOM BASEMENT PLAN
1/8" = 1'-0"



1 MAIN FLOOR PLAN
1/8" = 1'-0"



RAY WILLIAMSON POOL IMPROVEMENTS
8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
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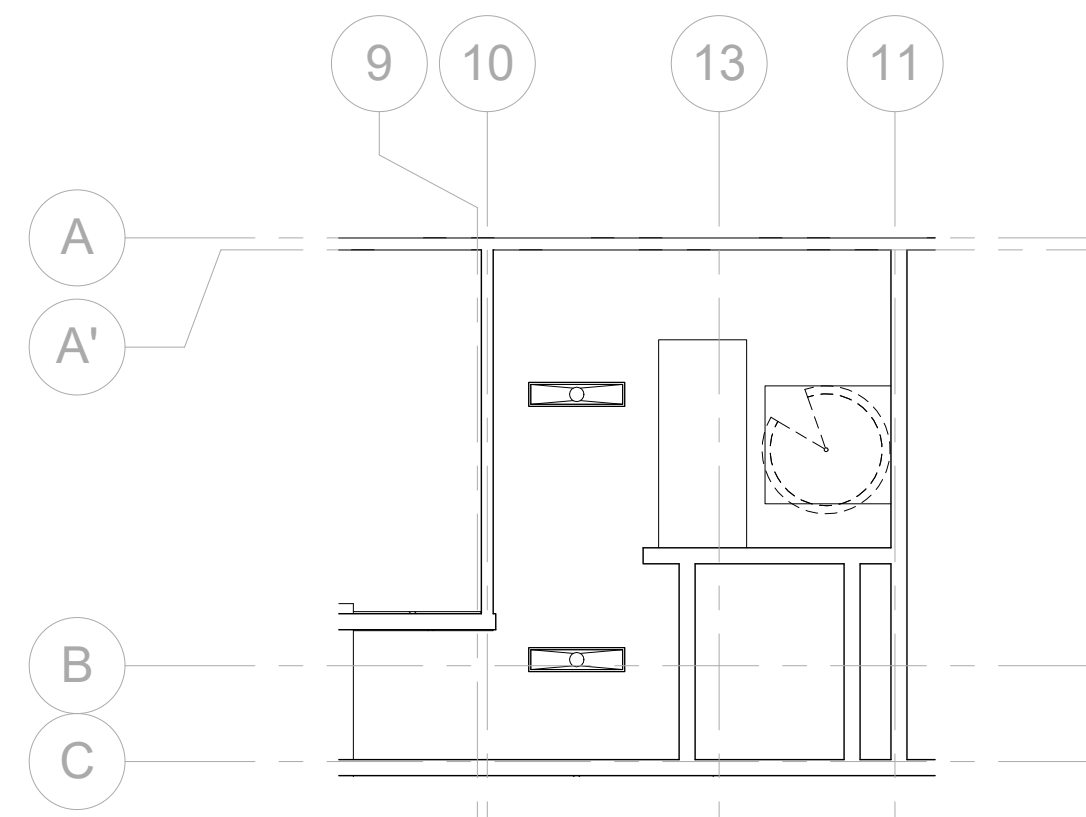
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS, JR

RAY WILLIAMSON POOL FLOOR PLAN

A-1.0
2208

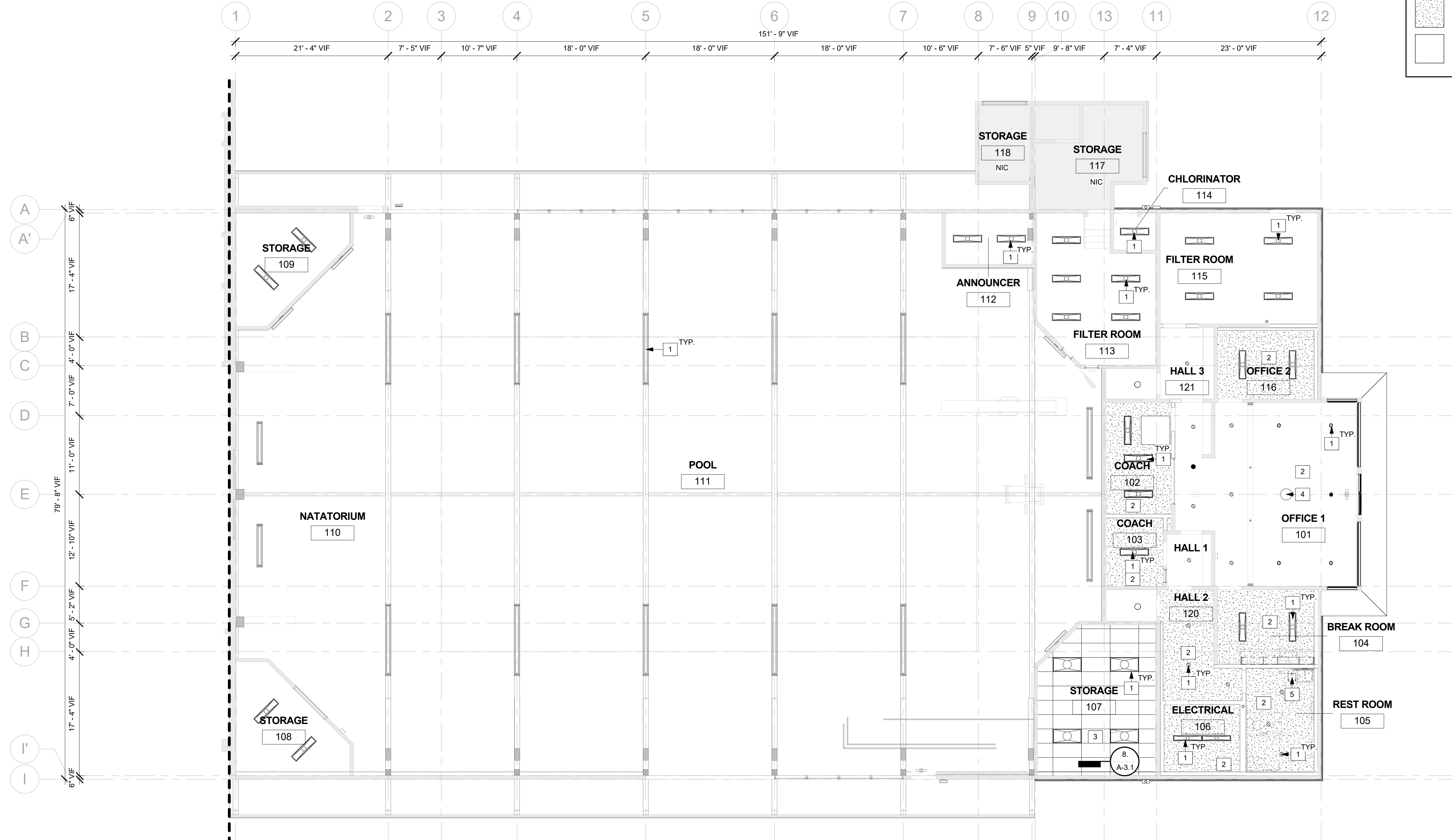
RCP FINISH SCHEDULE				
ROOM NAME	RM #	FINISH	CEILING MATERIAL	HEIGHT
OFFICE 1	101	PAINT:P-1	(E) GWB	EXISTING
COACH	102	PAINT:P-1	GWB	(E) 8' 6" VIF
COACH	103	PAINT:P-1	GWB	(E) 8' 6" VIF
BREAK ROOM	104	PAINT:P-1	GWB	(E) 8' 6" VIF
REST ROOM	105	PAINT:P-1	GWB	(E) 8' 6" VIF
ELECTRICAL	106	PAINT:P-1	GWB	(E) 8' 6" VIF
STORAGE	107	FACTORY FINISH	2x4 ACT	9' 0"
STORAGE	108	N/A	N/A	N/A
STORAGE	109	N/A	N/A	N/A
NATATORIUM	110	(E) STAIN	(E) WD SOFFIT	EXISTING
POOL	111	(E) STAIN	(E) WD SOFFIT	EXISTING
ANNOUNCER	112	(E) PAINT	(E) GWB	EXISTING
FILTER ROOM	113	(E) PAINT	(E) GWB	(E) 11' 1" VIF
CHLORINATOR	114	NIC	NIC	NIC
FILTER ROOM	115	PAINT:P-1	GWB	(E) 8' 6" VIF
OFFICE 2	116	PAINT:P-1	(E) GWB	(E) 8' 6" VIF
STORAGE	117	NIC	NIC	NIC
STORAGE	118	NIC	NIC	NIC
HALL 1	119	PAINT:P-1	GWB	(E) 8' 6" VIF
HALL 2	120	PAINT:P-1	GWB	(E) 8' 6" VIF
HALL 3	121	PAINT:P-1	GWB	(E) 8' 6" VIF

KEYNOTE LEGEND	
1	FURNISH AND INSTALL NEW LIGHT FIXTURES. REF ELECTRICAL.
2	FURNISH AND INSTALL NEW GYP BOARD CAP ON CEILING.
3	FURNISH AND INSTALL ACOUSTICAL CEILING TILE (ACT). SEE DETAIL 7/A3.1.
4	CEILING FAN TO REMAIN. PROTECT DURING CONSTRUCTION.
5	FURNISH AND INSTALL LOCKING STAINLESS STEEL ACCESS DOOR FOR SINK PIPE.



RCP LEGEND	
	EXISTING CONSTRUCTION
	KEYNOTES
	(E) EXIT SIGN
	ELEVATION REFERENCE: NUMBER SHEET
Room name	
	ROOM TAG
	NIC
	NEW LIGHT FIXTURES REF ELECTRICAL
	ACOUSTICAL CEILING TILE
	GYPSUM WALL BOARD
	EXISTING CEILING

2 BASEMENT RCP
1/8" = 1'-0"

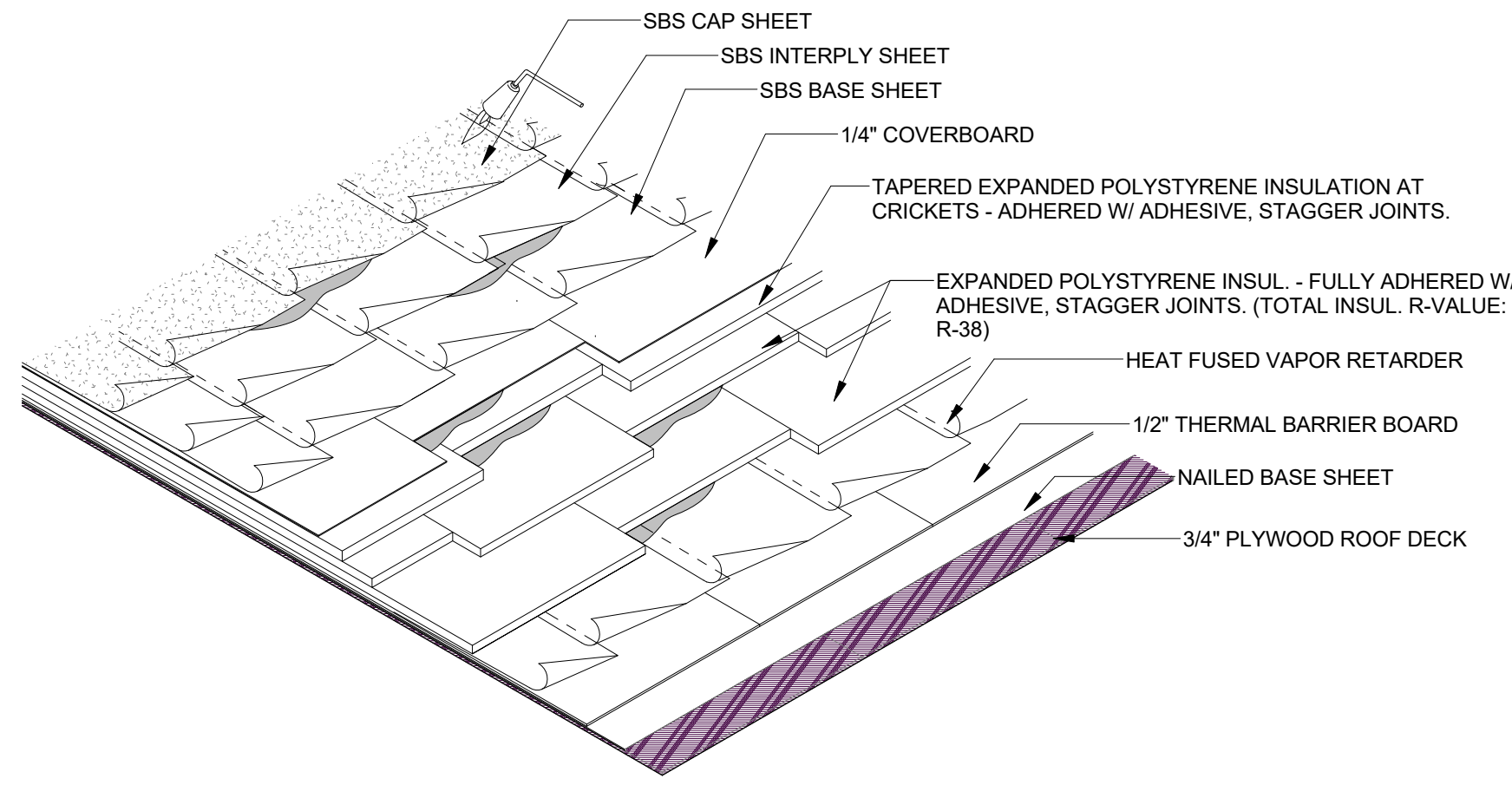


1 REFLECTED CEILING PLAN
1/8" = 1'-0"



ROOF PLAN GENERAL NOTES

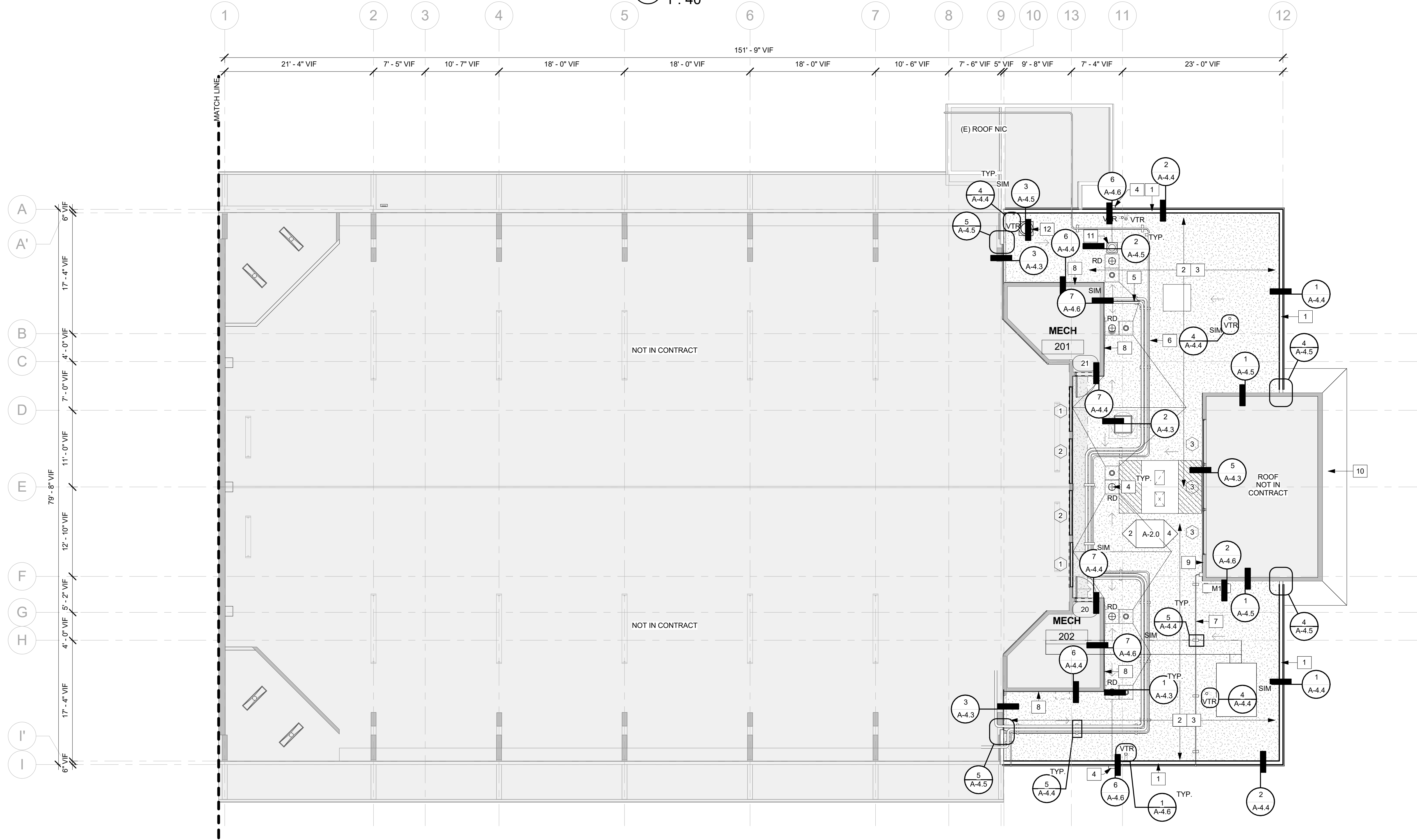
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- CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY AND COMPLIANCE WITH ALL STATE OR LOCAL CODES AND ORDINANCES GOVERNING THE WORK.
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- PER NEC 680.26 CONTRACTOR IS RESPONSIBLE FOR BONDING ANY EQUIPMENT REMOVED AND REINSTALLED/REPLACED THAT IS METALLIC. ALL GROUNDING CONNECTIONS ARE TO BE CADWELDED CONNECTED. BODING CONDUCTORS #8 AWG OR LARGER ARE TO BE SOLID COPPER AND CONNECTED PER NEC 250.8. REMOVE AND REINSTALL ANY ELECTRICALLY SERVED EQUIPMENT THAT IS LOCATED ON THE ROOF AND OR NEAR THE ROOF TO ACCOMMODATE NEW ROOF WORK SHOWN ON ARCHITECTURAL DRAWINGS. MAKE ALL CONNECTIONS COMPLETE PER NEC ONCE EQUIPMENT IS REINSTALLED.



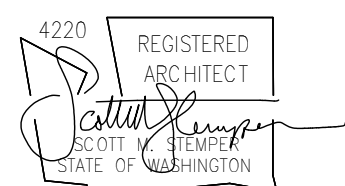
2 ROOF ASSEMBLY
1:40

KEYNOTE LEGEND	
1	FURNISH AND INSTALL BLOCKING/ FRAMING, COVERBOARD, SHEATHING, AND FINISH TO EXTEND PARAPET. FURNISH AND REPLACE (E) SHEET METAL FLASHING, COUNTER FLASHING, AND COPING PER DETAILS.
2	FURNISH AND INSTALL VAPOR BARRIER AND POLYISO MECHANICALLY ATTACHED WITH ONE LAYER OF COVERBOARD ADHERED IN BEADS OF LOW RISE FORAM ADHESIVE TO POLY ISO FOLLOWED BY 3 PLY SBS MEMBRANE.
3	FURNISH AND REPLACE DAMAGED PLYWOOD SHEATHING WITH NEW PLYWOOD SHEATHING PER DETAILS. REF STRUCTURAL FOR NAILING.
4	FURNISH AND INSTALL NEW ROOF DRAINS AND SCUPPERS PER DETAIL. VERIFY CONDITION OF LEADERS FOR BLOCKAGE, FLOW, AND DAMAGE. SEE MECH.
5	RECONNECT SOLAR WATER HEATER PIPES WITH NEW PIPE. SEE MECH.
6	RECONNECT GAS LINE WITH NEW GAS PIPE SEE MECH.
7	RECONNECT EXISTING MODIFIED ELECTRICAL CONDUIT / WIRING.
8	TRIM/ REINSTALL (E) T11 SIDING AND FURNISH AND INSTALL NEW COUNTERFLASHING.
9	FURNISH AND INSTALL NEW METAL SIDING TO MATCH ADJACENT EXISTING SIDING AND COUNTER FLASHING.
10	REINSTALL (E) AWNING TO REPAIRED GUTTER AND WALL.
11	FURNISH AND INSTALL BLOCKING/ FRAMING, COVERBOARD, SHEATHING, AND FINISH TO EXTEND MECH CURB. FURNISH AND INSTALL NEW GSM FLASHING PER DETAIL. EXACT LOCATION TO BE VERIFIED ON SITE. SEE MECH.
12	FURNISH AND INSTALL NEW BOILER VENT, BLOCKING/ FRAMING, COVERBOARD, SHEATHING, AND FINISH TO EXTEND MECH CURB. FURNISH AND INSTALL NEW GSM FLASHING PER DETAIL. EXACT LOCATION TO BE VERIFIED ON SITE. SEE MECH.

ROOF LEGEND	
	EXISTING CONSTRUCTION
	NEW WORK
	KEYNOTE
	FURNISH & INSTALL 3-PLY SBS ROOF ASSEMBLY. REFER TO ROOF ASSEMBLY DETAILS.
	NIC
	EXISTING SLOPE OF PLYWOOD ROOF DECK
	ROOF DRAIN
	OVERFLOW DRAIN
	(E) VENT THRU ROOF PENETRATION. EXTEND PIPE TO BE 8" ABOVE FINISHED ROOF SURFACE, AND FLASH PER DETAIL 1/A6.5.
	(E) MECHANICAL UNITS, VENTS & FANS, RE-INSTALL FOLLOWING CURB EXTENSION: EXTEND ALL DUCT AND ELECTRICAL CONNECTIONS AT RAISED LOCATION. RE-CONNECT CONTROL WIRING. FURNISH AND INSTALL BASE FLASHING AND COUNTERFLASHING AT CURBS PER DETAILS. FURNISH AND INSTALL CONDUIT PENETRATION FLASHING PER DETAILS.
Room name	
	ROOM NAME ROOM NUMBER
	SIM DETAIL NUMBER SHEET
	EXTERIOR ELEVATION NUMBER & DRAWING SHEET
	CLERESTORY TAG



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



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	SL, RS

RAY WILLIAMSON POOL ROOF PLAN

A-1.2
2208

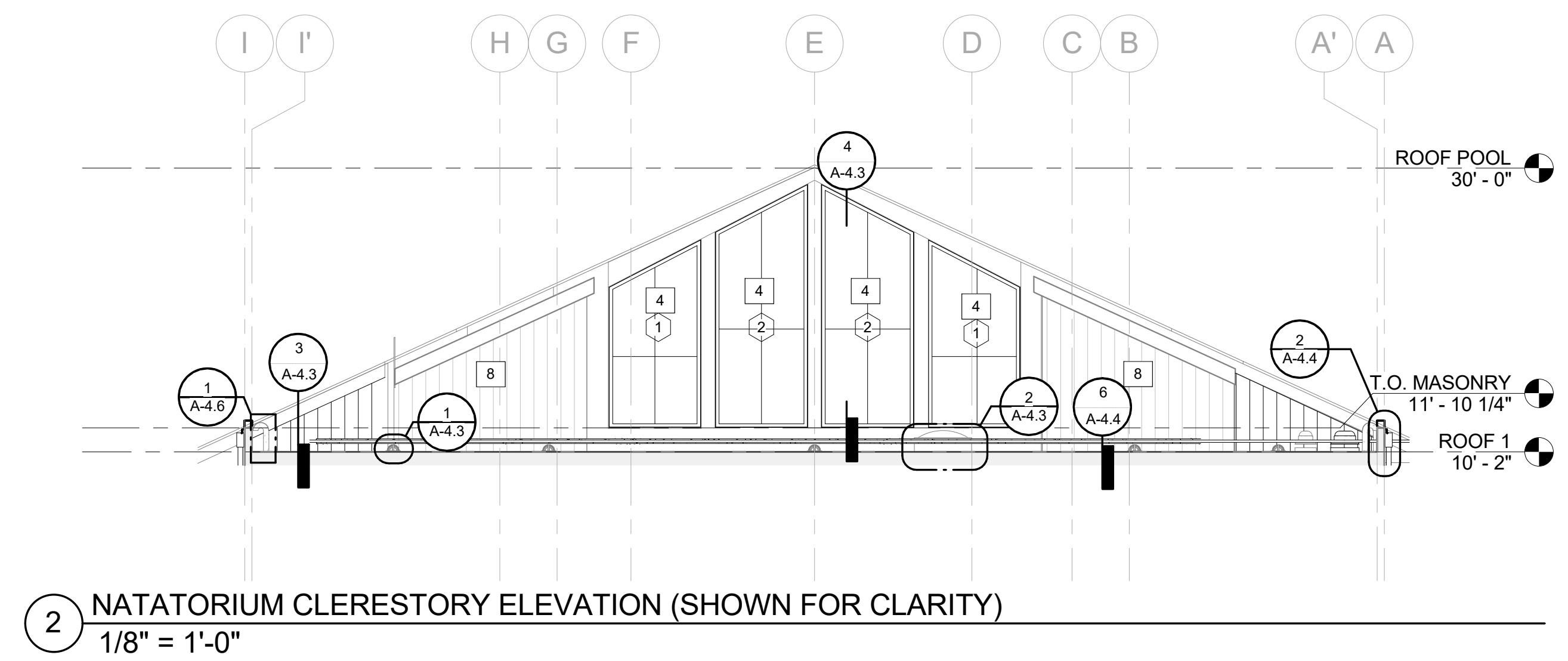
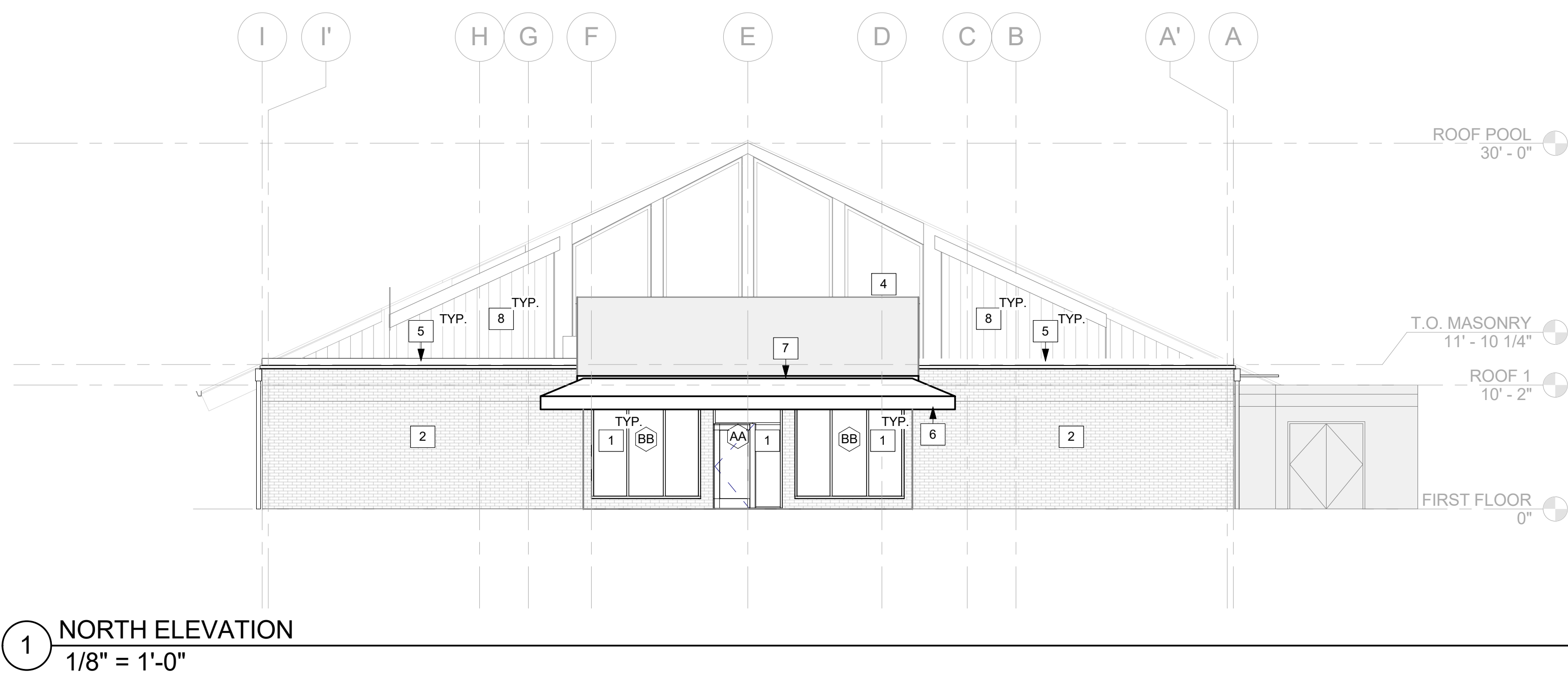
ELEVATION GENERAL NOTES	
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ELEVATION KEYNOTE LEGEND	
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4	FURNISH AND INSTALL NEW CLERESTORY, IN ITS ENTIRETY. REF A4.0 FOR DETAILS, TYP.
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6	REINSTALL (E) AWNING TO REPAIRED GUTTER AND WALL.
7	FURNISH AND INSTALL NEW GUTTER PER DETAIL.
8	TRIM/ REINSTALL (E) T11 SIDING AND FURNISH AND INSTALL NEW COUNTERFLASHING.
9	FURNISH AND INSTALL NEW METAL SIDING TO MATCH ADJACENT EXISTING SIDING AND COUNTER FLASHING.

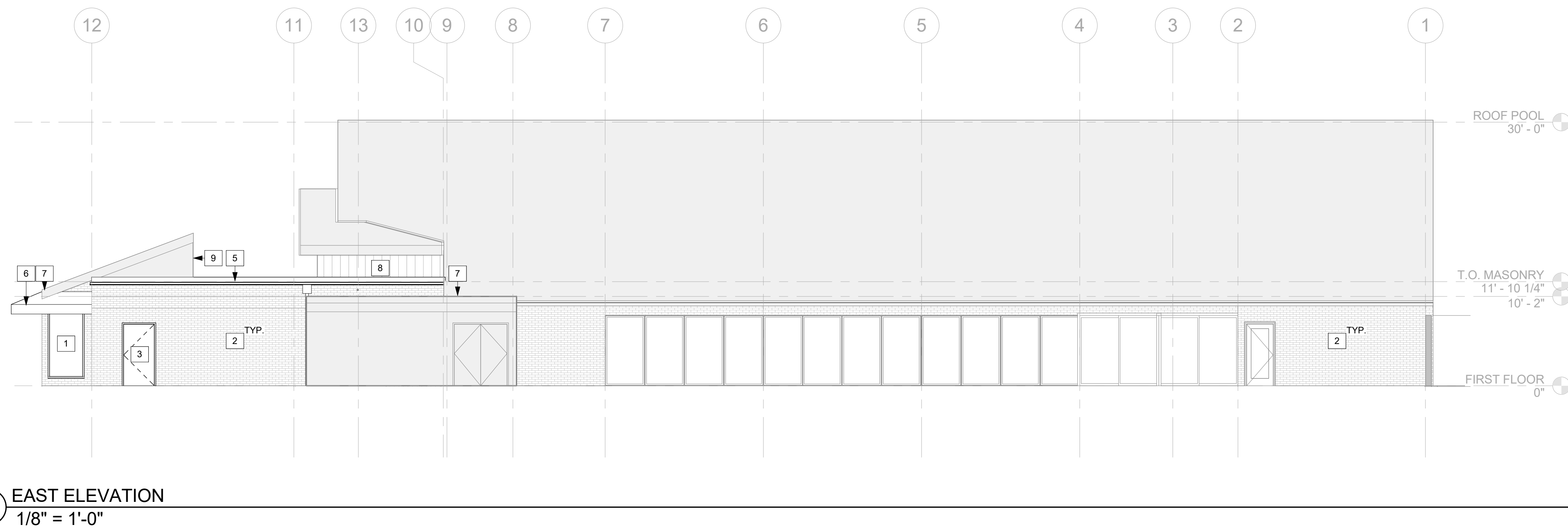
BUILDING ENVELOPE REQUIREMENTS				
C503.3.1 ROOF REPLACEMENT: ROOF REPLACEMENT SHALL COMPLY WITH TABLE C402.1.3 OR C402.1.4				
C503.3.2.1 REPLACEMENT FENESTRATION PRODUCTS SHALL MEET TABLE C402.4				
PRESCRIPTIVE PERFORMANCE: 2021 WSEC TABLES C402.1.3, C402.1.4, AND C402.4				
CLIMATE ZONE: 4C (KITSAP)				
COMPONENTS	REQUIRED MIN INSUL. R-VALUE	ASSEMBLY MAX. U-FACTOR	PROPOSED INSUL. R-VALUE	PROPOSED U-FACTOR
ROOF INSUL ABV DECK	R-38 CI	0.027	R38	
VERTICAL FENESTRATION:				
FIXED (CLASS AW)		0.38		0.34
OPERABLE (CLASS AW)		0.40		0.35
OTHER VERTICAL FENESTRATION		0.30		0.30
ENTRANCE DOORS:		0.60		0.60
SKYLIGHTS:		0.50		0.50
FENESTRATION:	SHGC SEW	SHGC N	PROPOSED SHGC SEW	PROPOSED SHGC N
PF<0.2	0.38	0.51	0.38	0.51
0.2<PF<0.5	0.45	0.56	0.46	0.56
PF>0.5	0.61	0.61	0.61	0.61
SKYLIGHT	0.35		0.35	
MAXIMUM AREA C402.4.1:				
TOTAL VERTICAL FENESTRATION: MAX 30% ABV. GRADE WALL				
TOTAL SKYLIGHT: MAX 5% TOTAL GROSS ROOF AREA				
NOTES:				
1. INSULATION PRODUCTS SHALL ALL HAVE IDENTIFICATION MARKS				
2. GLAZING PRODUCTS SHALL BE LABELED WITH U-FACTOR, SHGC, VT, AND LEAKAGE RATING.				
3. WHERE TWO OR MORE LAYERS OF RIGID INSULATION WILL BE USED, EDGE JOINTS BETWEEN LAYERS ARE STAGGERED				



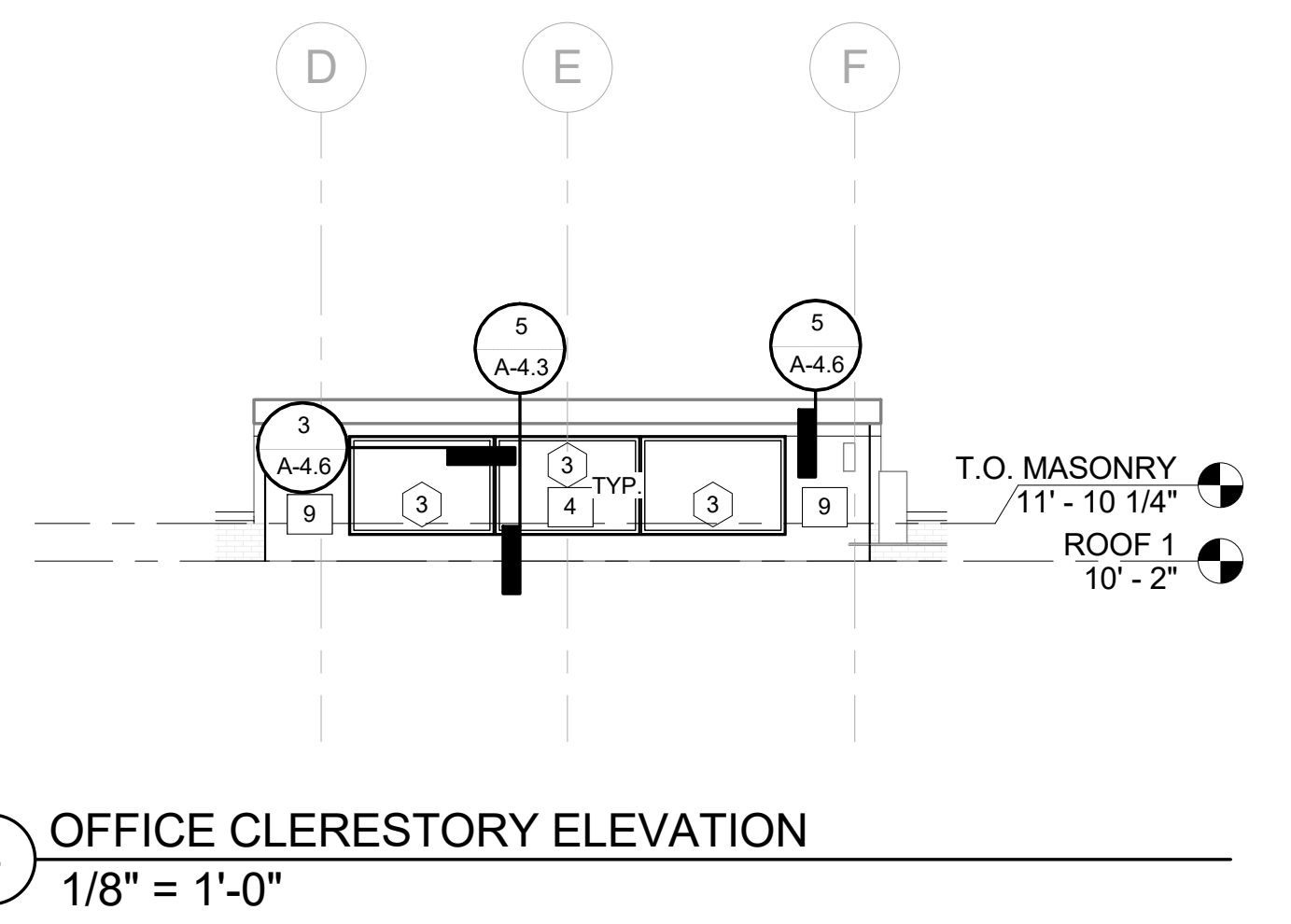
ELEVATION LEGEND	
#	KEYNOTES
■	NIC
■	(E) BRICK
■	NEW T11 SIDING
1 A101	SIM DETAIL NUMBER SHEET



2 NATATORIUM CLERESTORY ELEVATION (SHOWN FOR CLARITY)
1/8" = 1'-0"



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



4 OFFICE CLERESTORY ELEVATION
1/8" = 1'-0"

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PROJECT ARCHITECT
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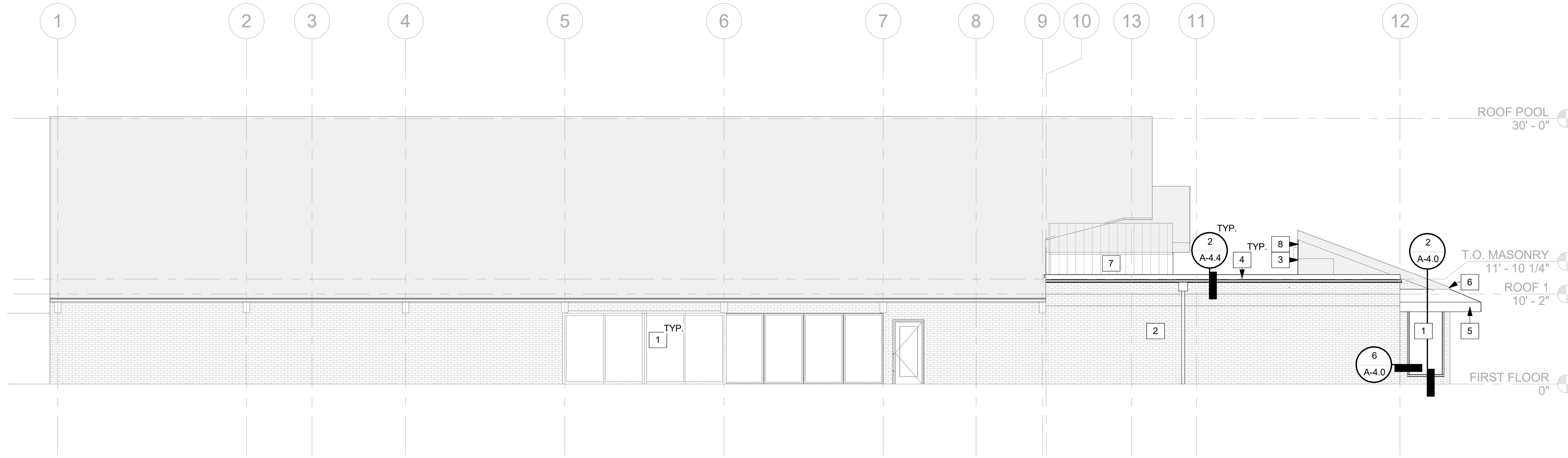
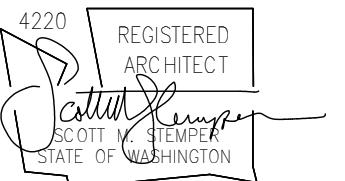
EXTERIOR ELEVATIONS

A-2.0
2208

ELEVATION GENERAL NOTES	
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ELEVATION KEYNOTE LEGEND	
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5	REINSTALL (E) AWNING TO REPAIRED GUTTER AND WALL.
6	FURNISH AND INSTALL NEW GUTTER PER DETAIL.
7	TRIM/ REINSTALL (E) T11 SIDING AND FURNISH AND INSTALL NEW COUNTERFLASHING.
8	FURNISH AND INSTALL NEW METAL SIDING TO MATCH ADJACENT EXISTING SIDING AND COUNTER FLASHING.

ELEVATION LEGEND	
#	KEYNOTES
[Pattern]	NIC
[Pattern]	(E) BRICK
[Pattern]	NEW T11 SIDING
1 A101	SIM DETAIL NUMBER SHEET



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

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

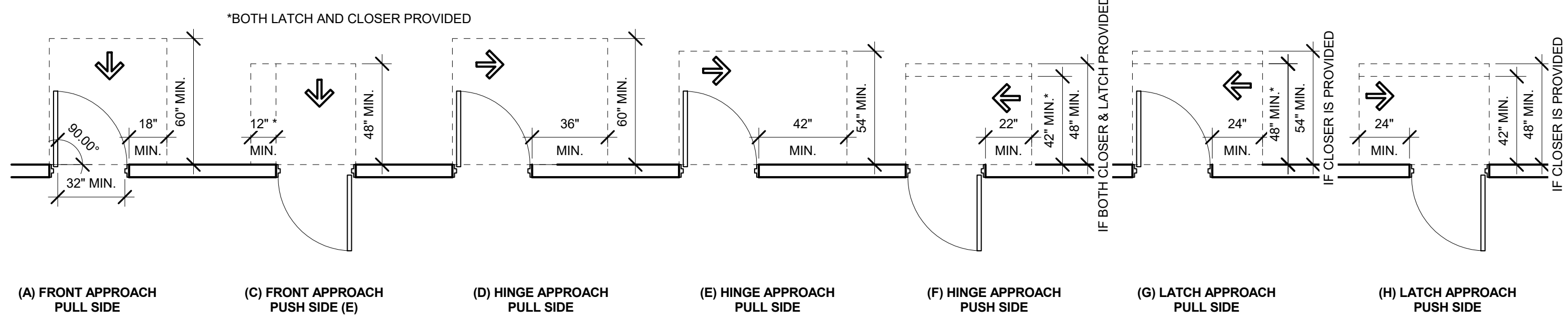
BID SET PHASE 1
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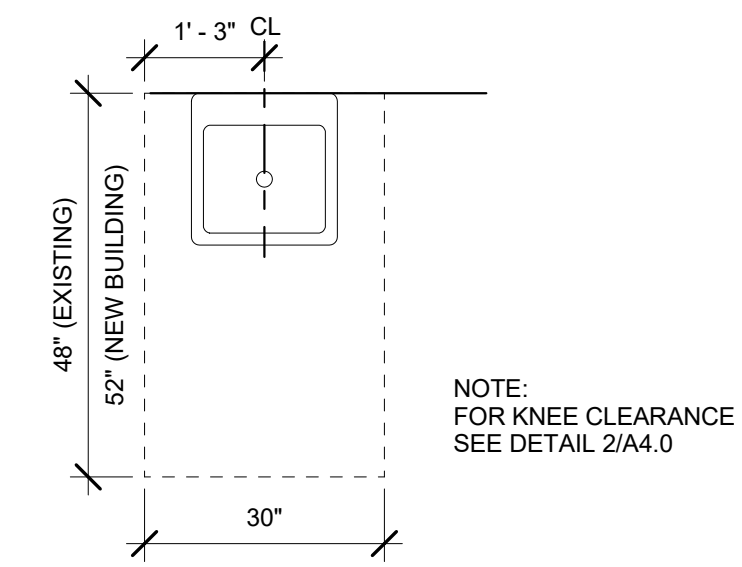
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	JR, RS

EXTERIOR
ELEVATION

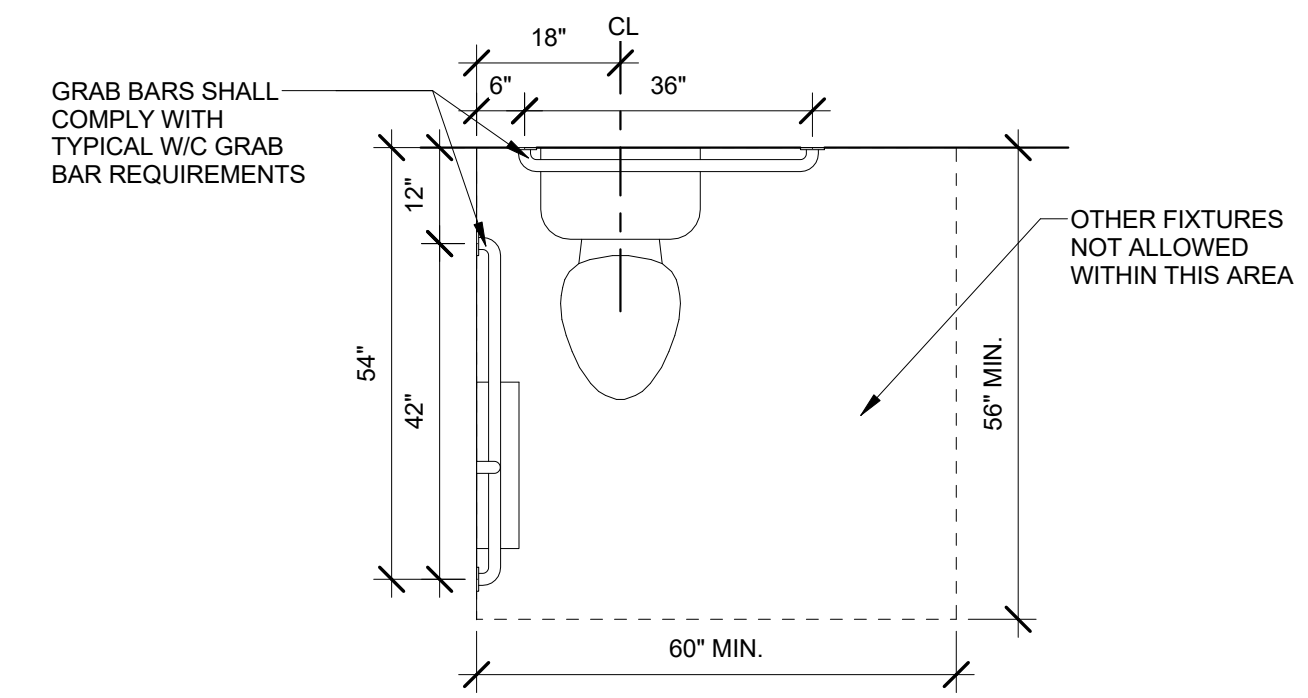
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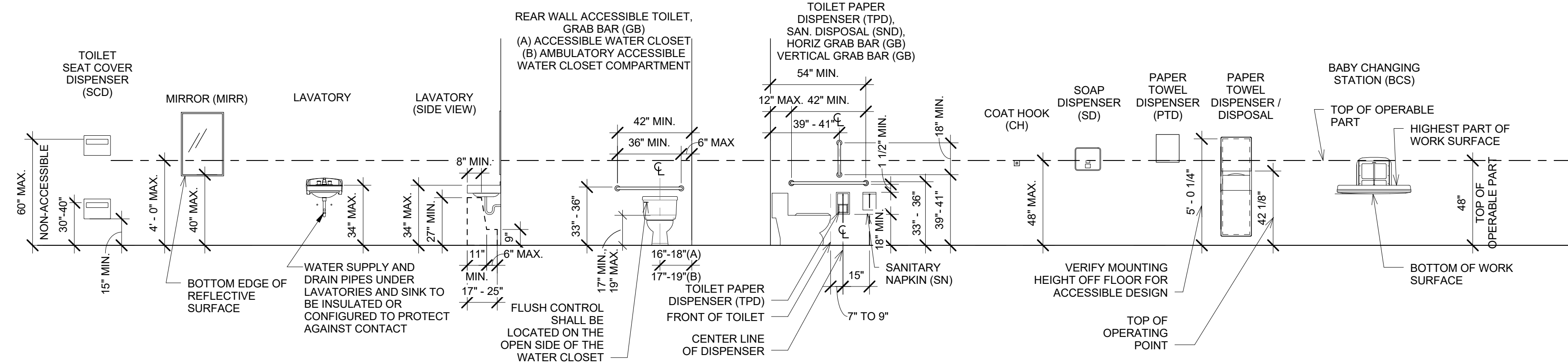
1 MANEUVERING CLEARANCE DOJ 2010 ADA.404.2.4.1
1/4" = 1'-0"



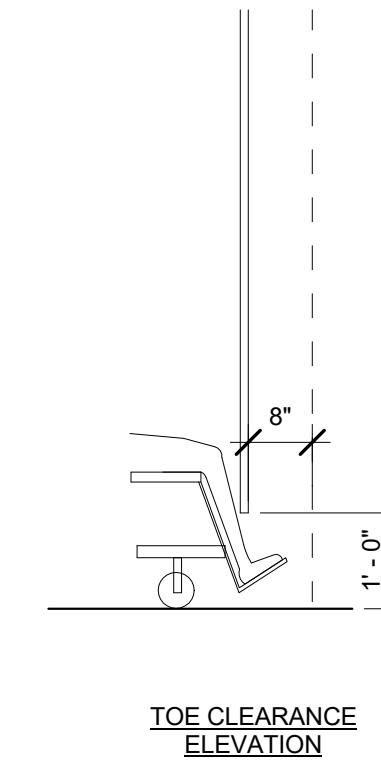
2 ACCESSIBLE SINK CLEARANCE
1/2" = 1'-0"



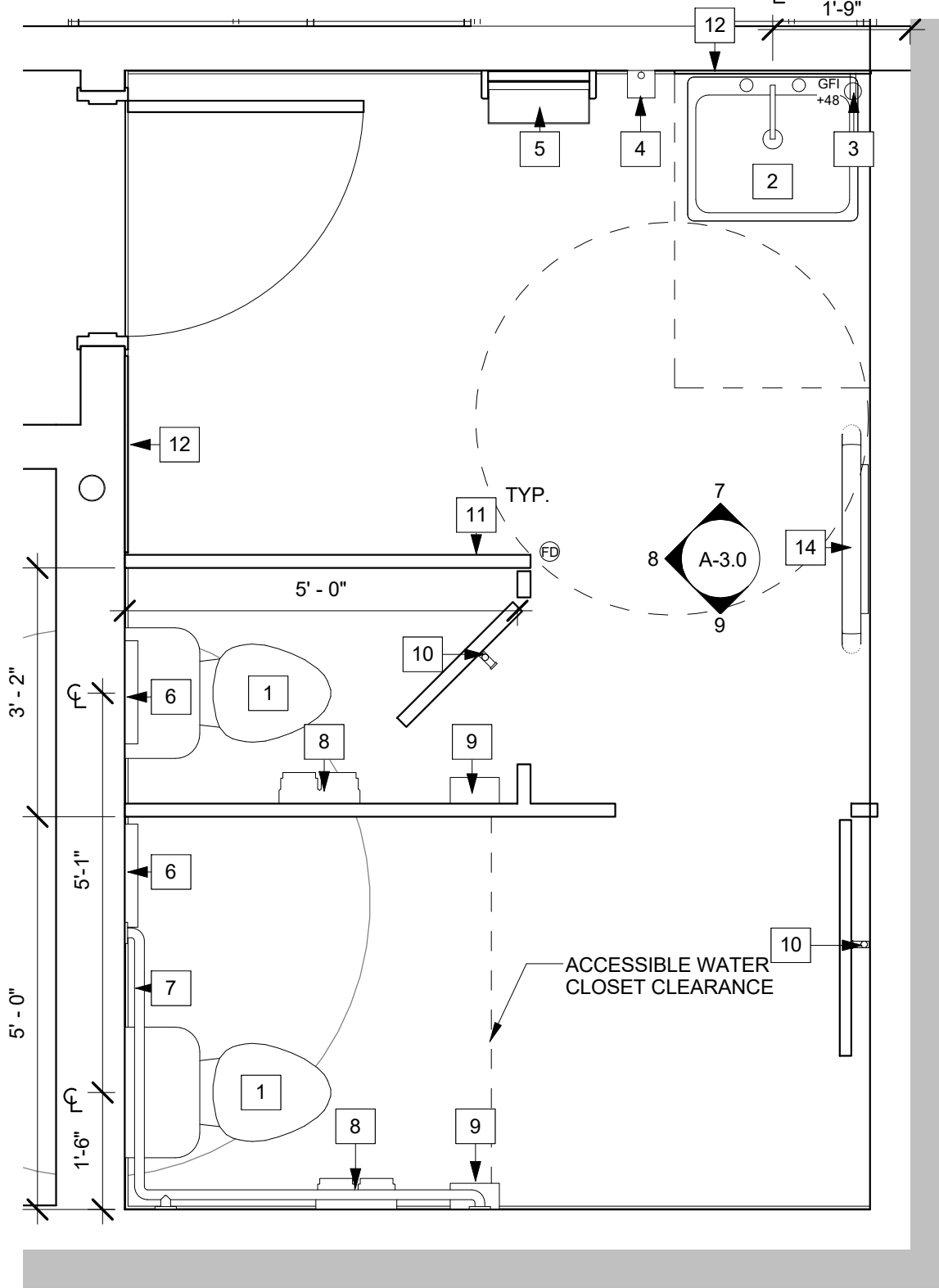
3 ACCESSIBLE WATER CLOSET CLEARANCE
1/2" = 1'-0"



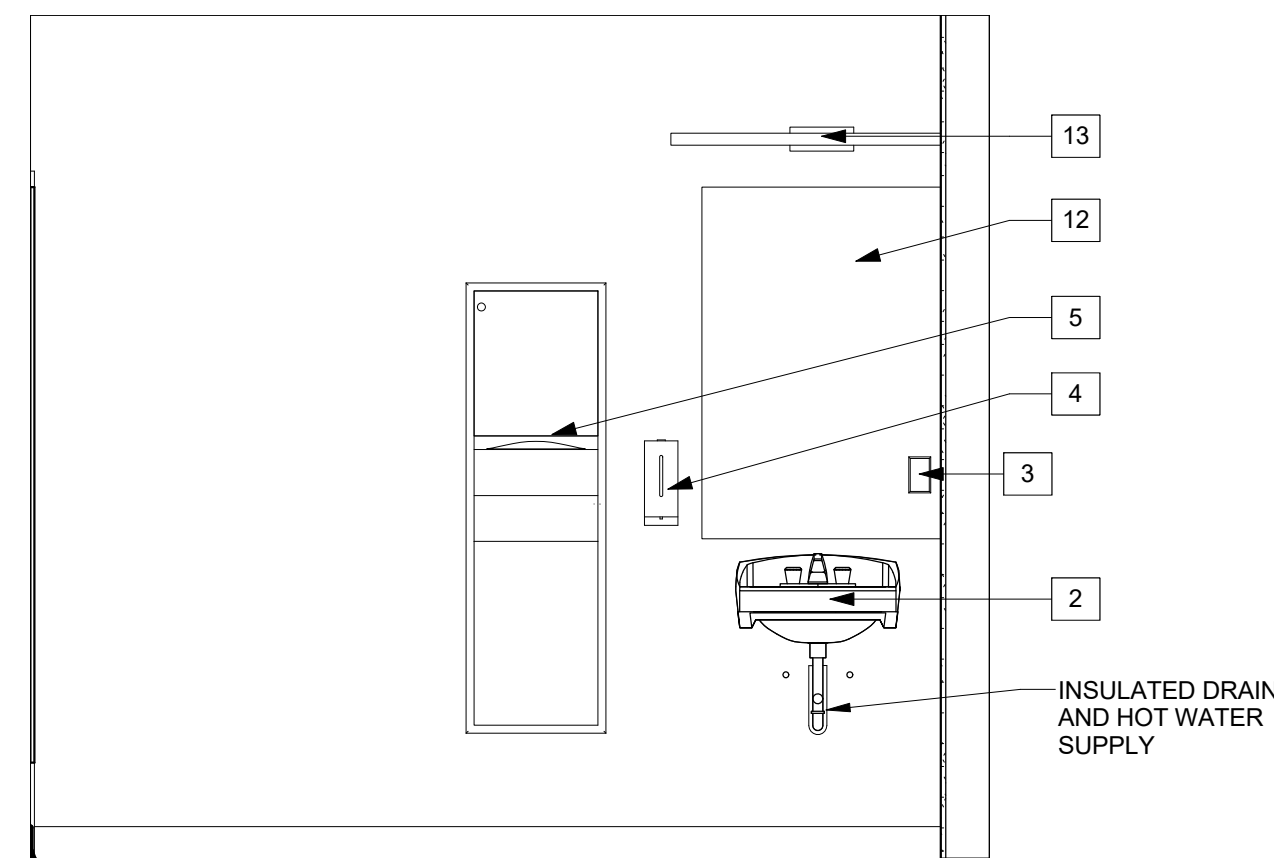
4 ACCESSIBLE - PLUMBING FIXTURE AND ACCESSORY MOUNTING HEIGHTS DOJ 2010 ADA STANDARDS
1/4" = 1'-0"



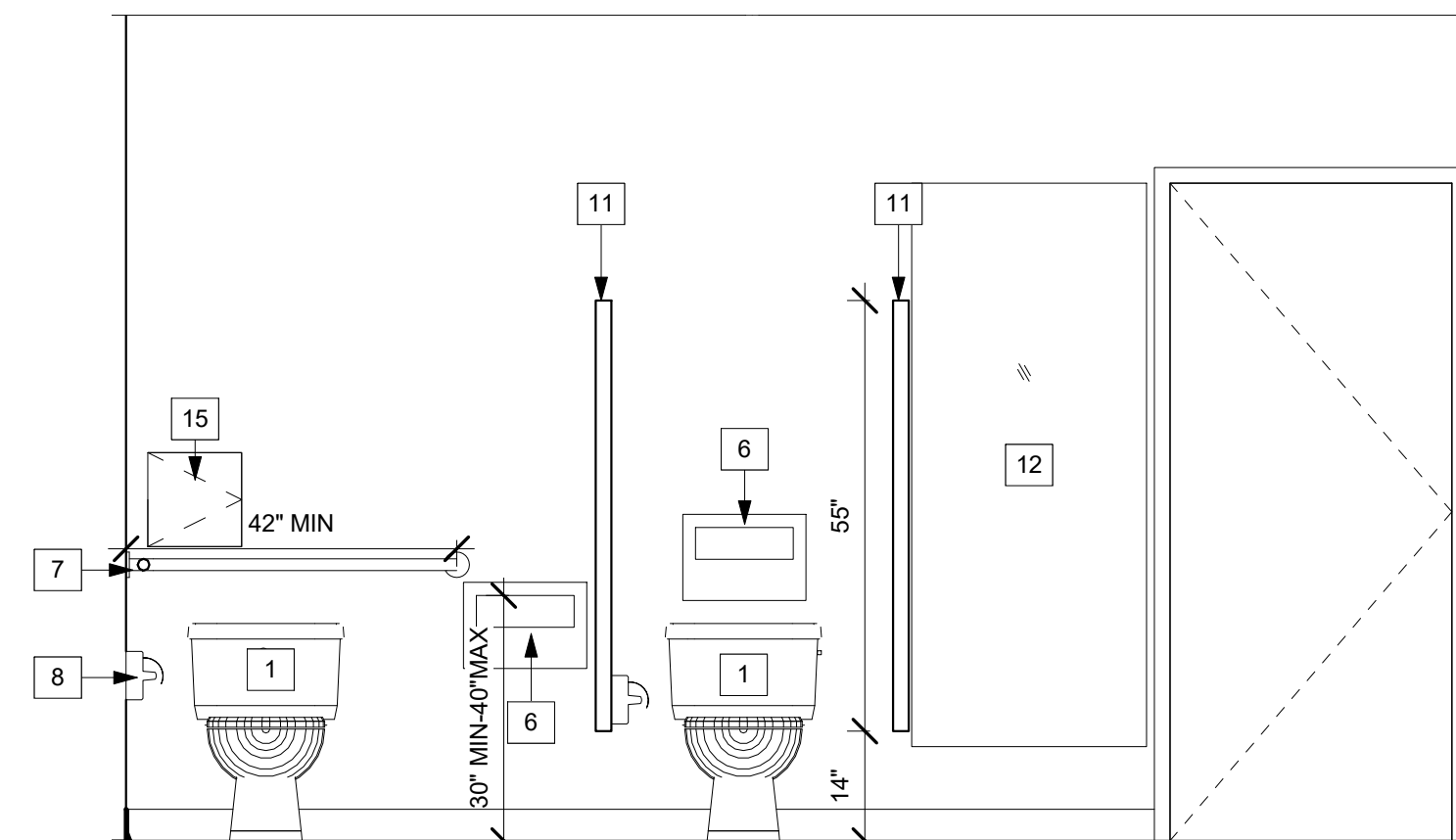
5 ACCESSIBLE TOILET COMPARTMENT - TOE CLEARANCE ELEV
1/2" = 1'-0"



6 RESTROOM ENLARGED PLAN
1/2" = 1'-0"

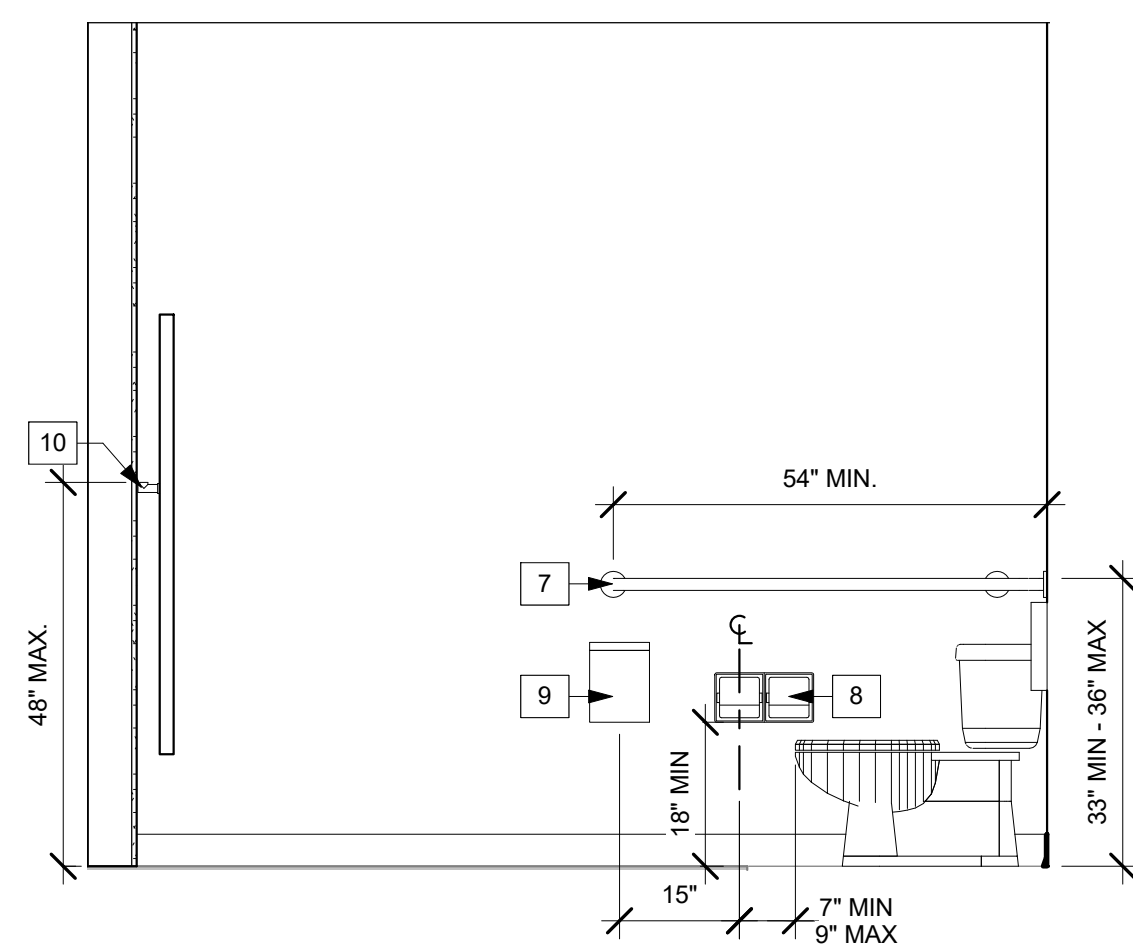


7 RESTROOM E ELEV.
1/2" = 1'-0"

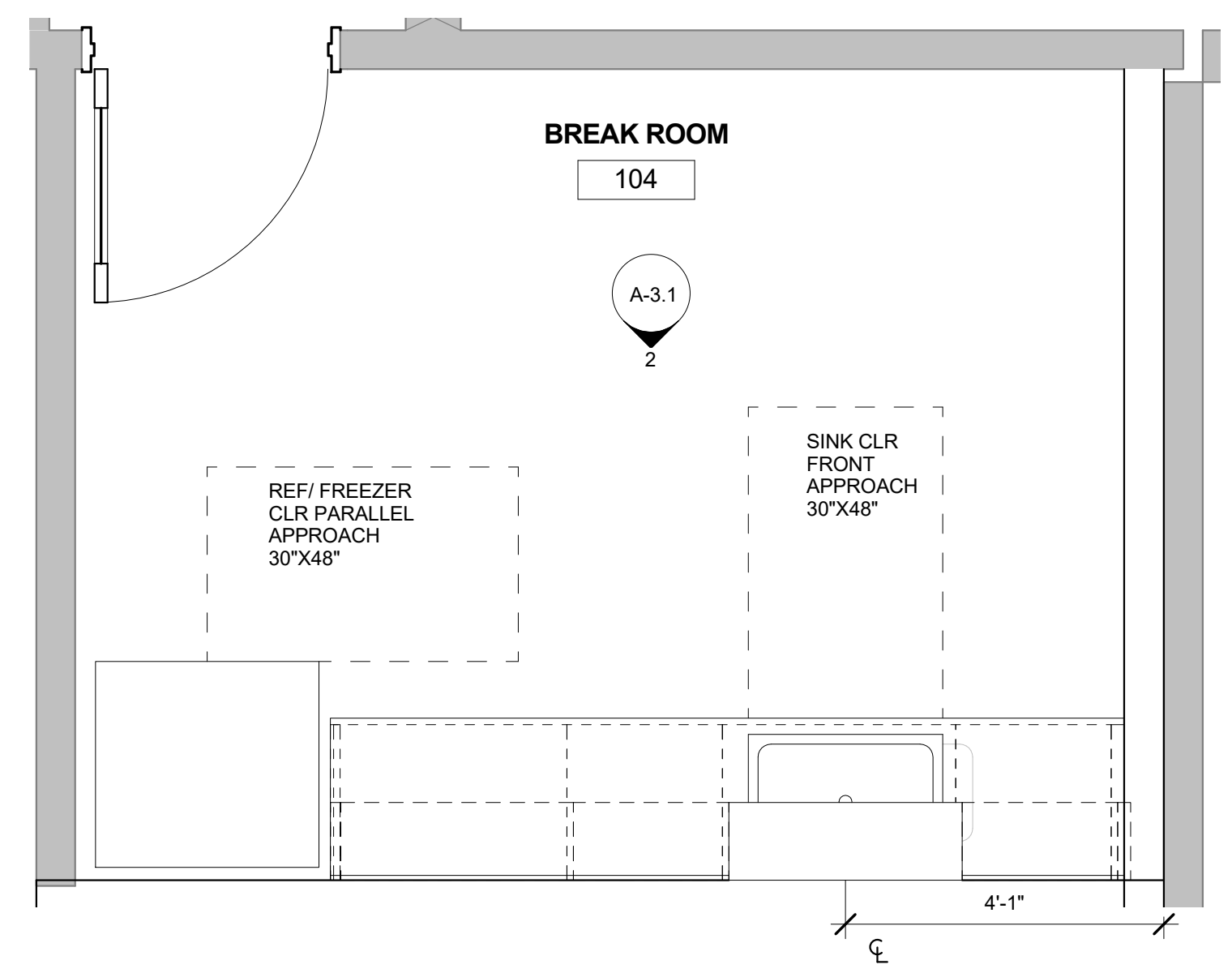


8 RESTROOM N ELEV.
1/2" = 1'-0"

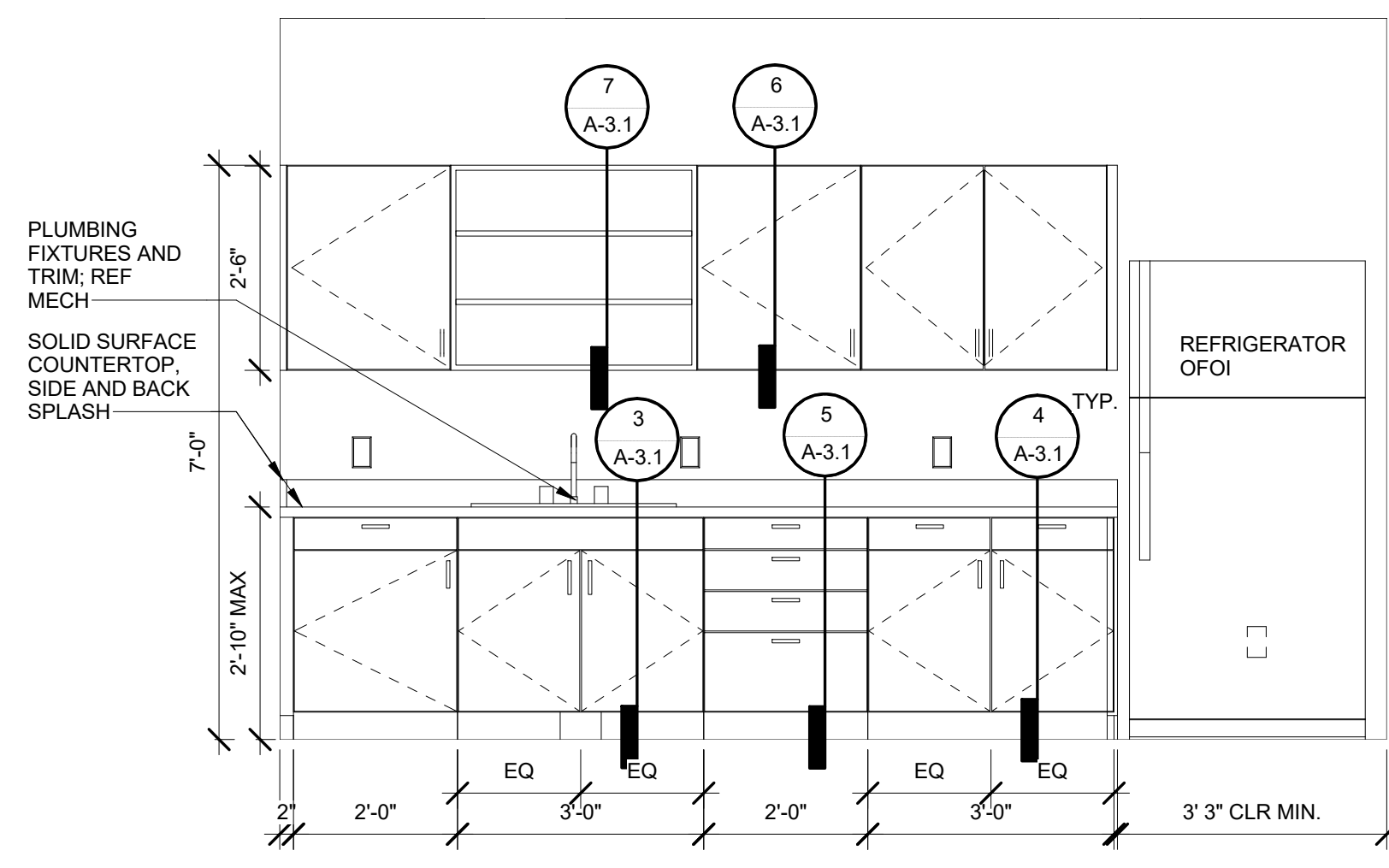
KEYNOTE LEGEND	
1	FURNISH AND INSTALL ADA TOILET PER MECH.
2	FURNISH AND INSTALL ADA WALL HUNG SINK PER MECH.
3	FURNISH AND INSTALL OUTLET HEIGHT AT 48" HEIGHT AFF.
4	FURNISH AND INSTALL SOAP DISPENSER.
5	FURNISH AND INSTALL TOWEL DISPENSER AND TRASH COMBO.
6	FURNISH AND INSTALL TOILET SEAT DISPENSER.
7	FURNISH AND INSTALL GRAB BAR.
8	FURNISH AND INSTALL TOILET TISSUE DISPENSER.
9	FURNISH AND INSTALL SANITARY WASTE BIN.
10	FURNISH AND INSTALL COAT HOOK ON PARTITION DOOR.
11	FURNISH AND INSTALL TOILET PARTITION.
12	FURNISH AND INSTALL MIRROR.
13	FURNISH AND INSTALL LIGHT FIXTURE PER ELEC.
14	FURNISH AND INSTALL BABY CHANGING STATION, TOILET
15	FURNISH AND INSTALL LOCKING STAINLESS STEEL FIRE RATED ACCESS DOOR FOR NEW WATER HAMMER ARRESTOR.



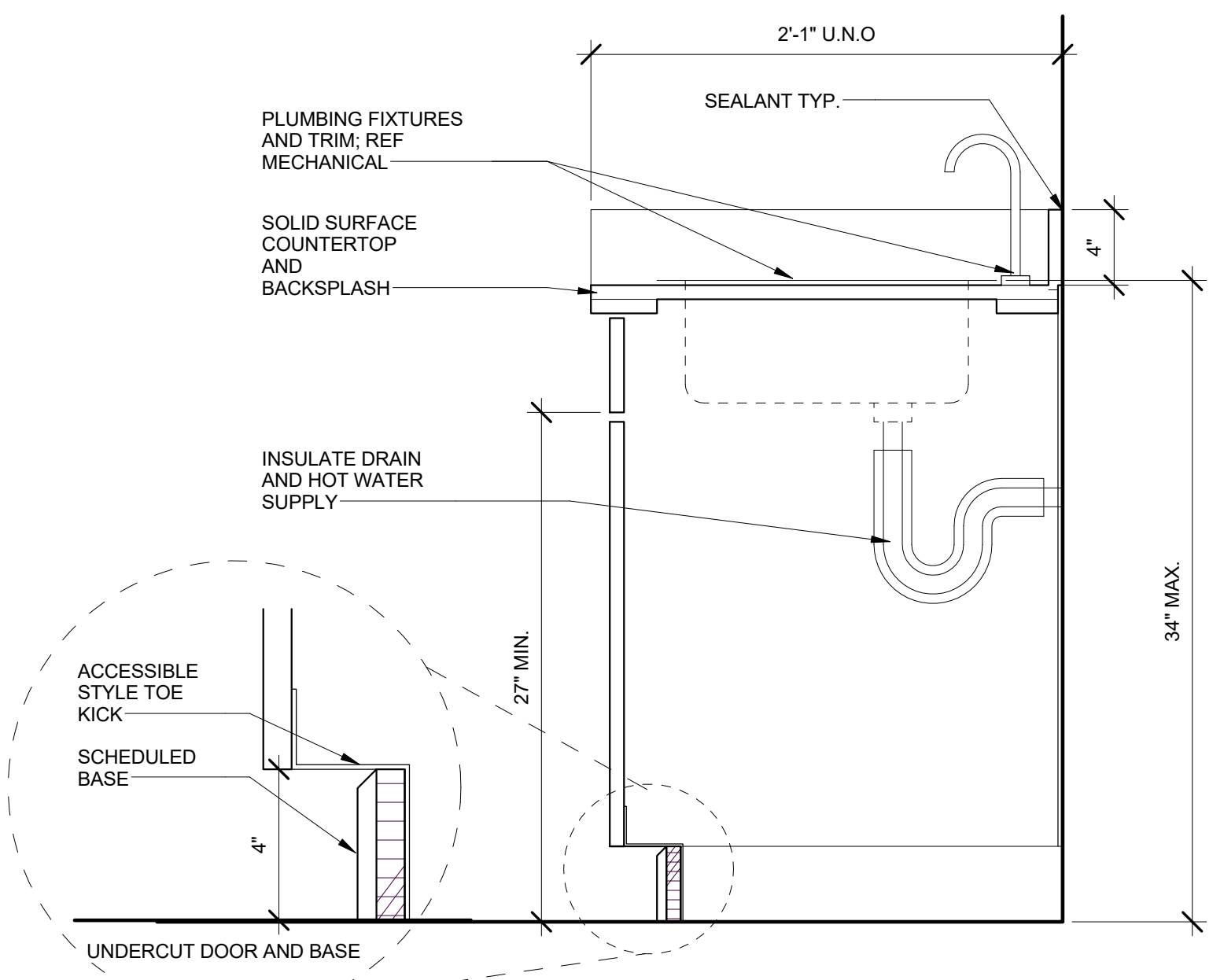
9 RESTROOM S ELEV
1/2" = 1'-0"



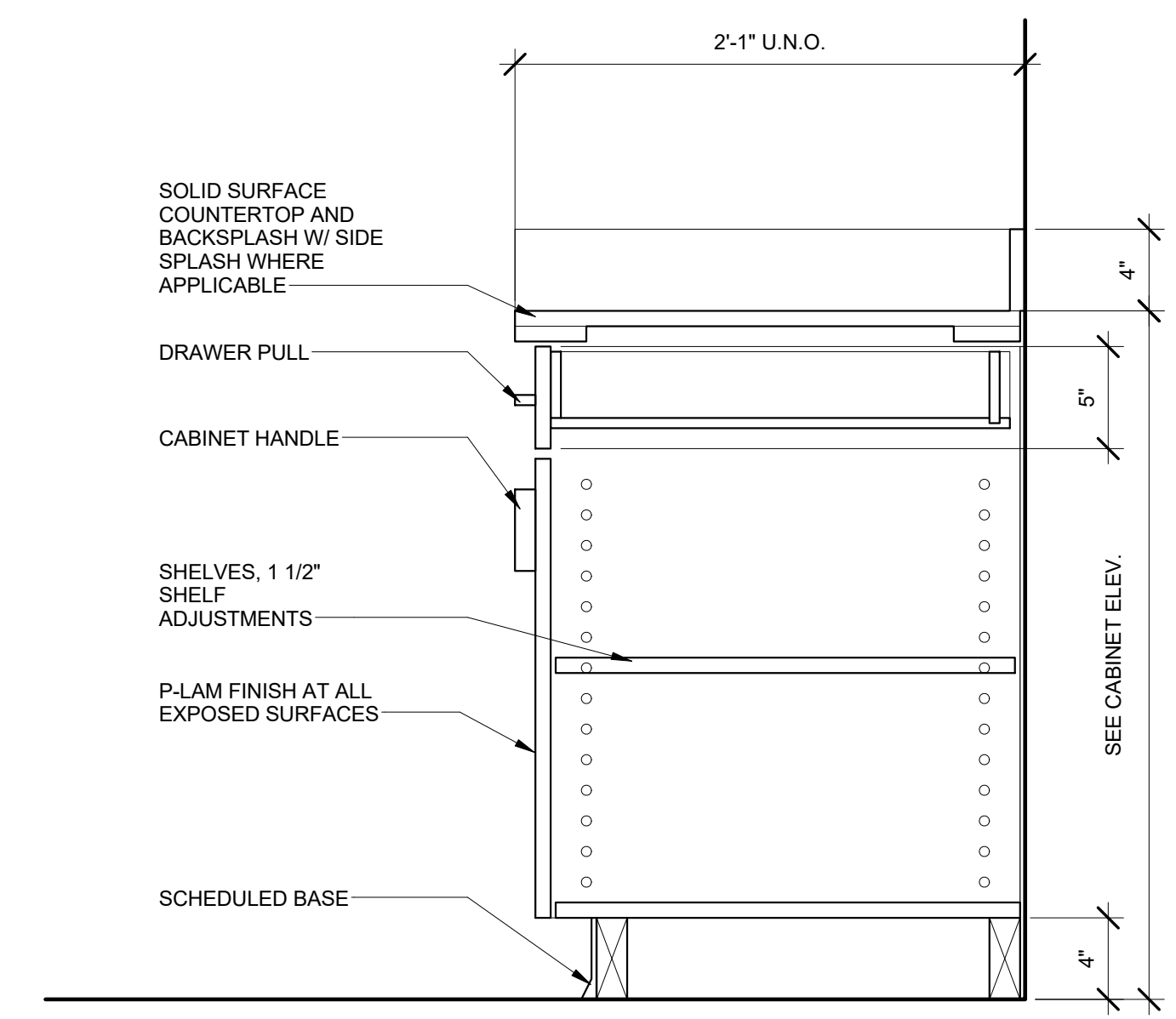
1 BREAKROOM ENLARGED PLAN
1/2" = 1'-0"



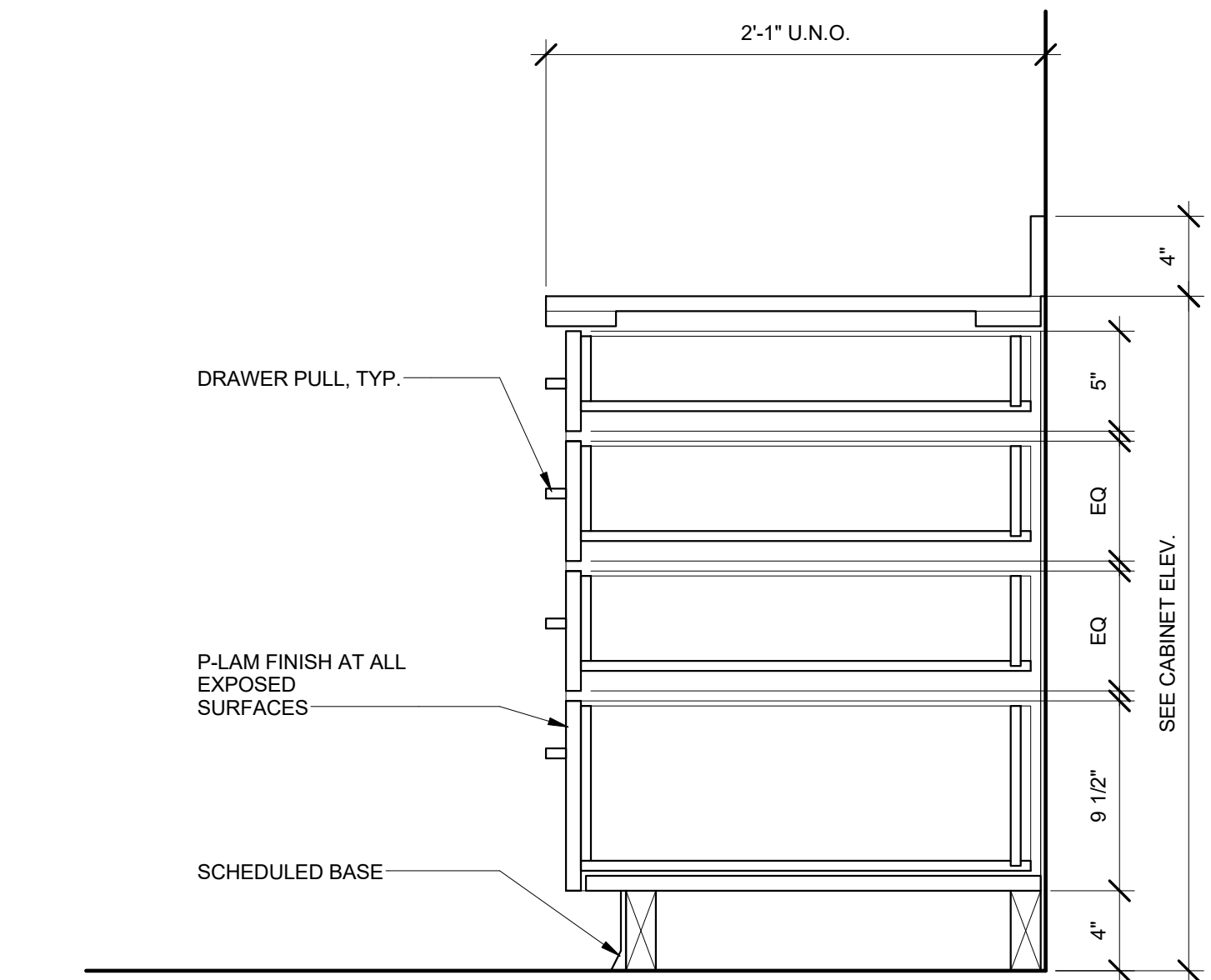
2 BREAKROOM ELEV
1/2" = 1'-0"



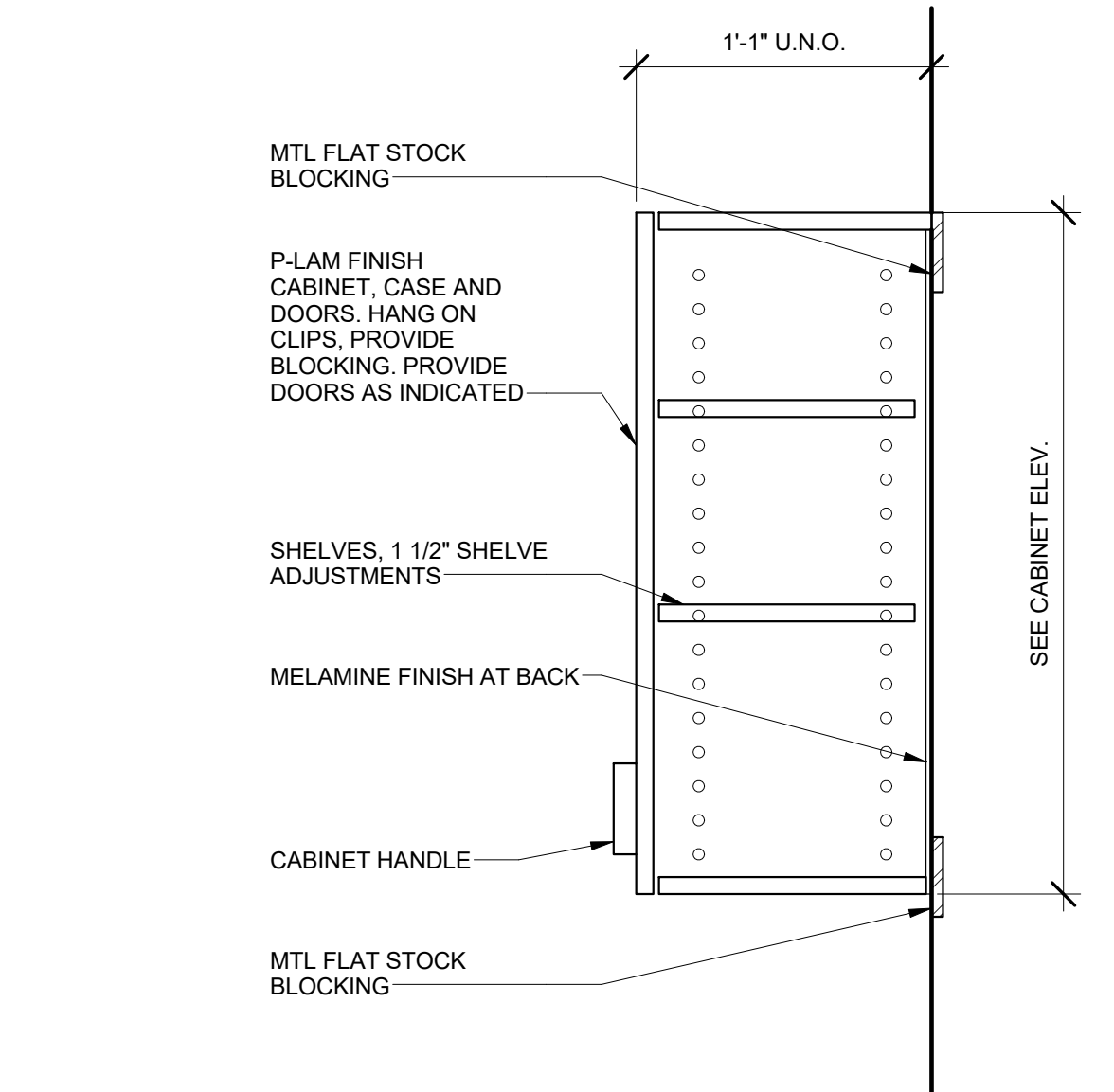
3 ADA BASE SINK CABINET
1 1/2" = 1'-0"



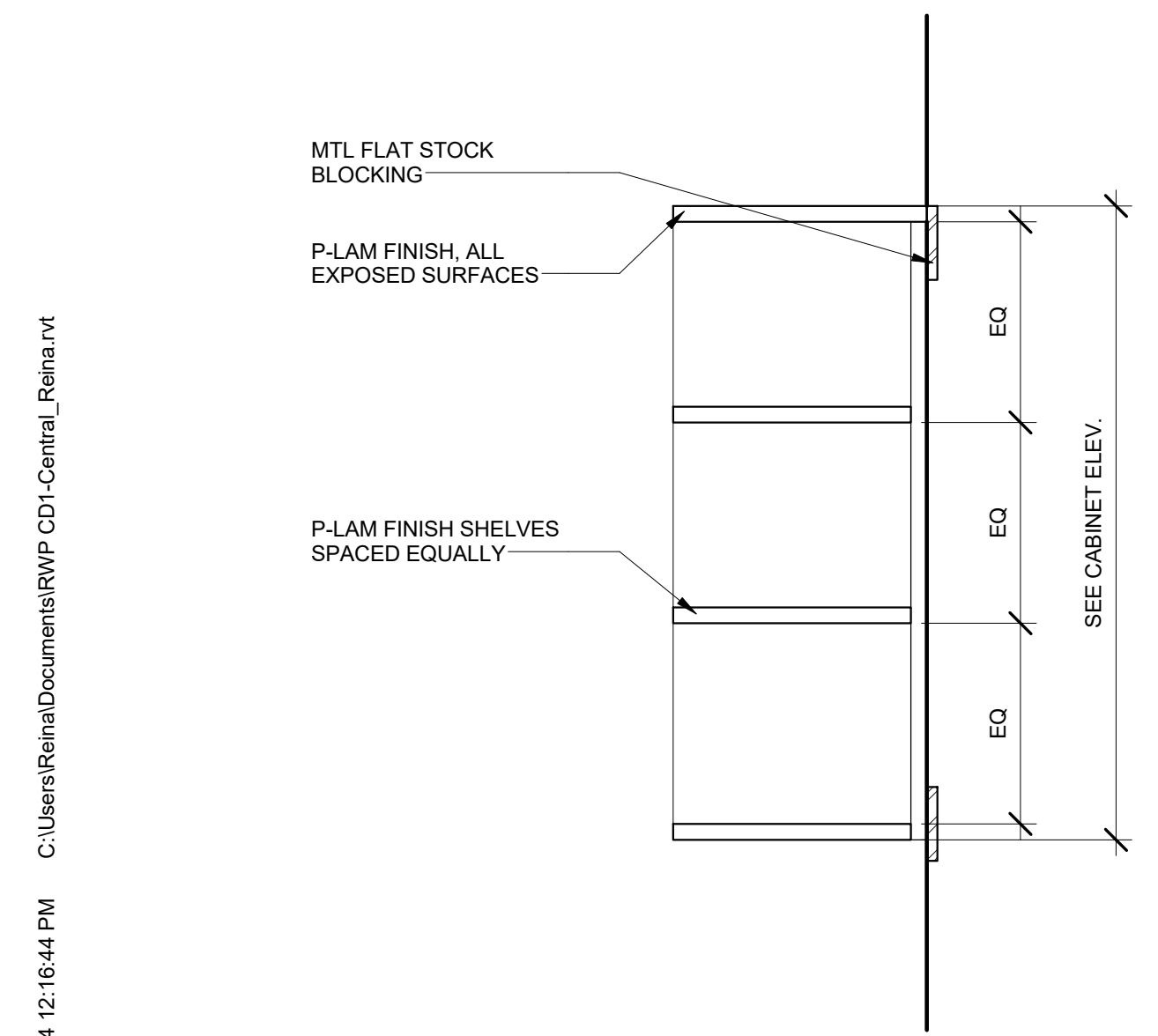
4 BASE CABINET DR & DRWR
1 1/2" = 1'-0"



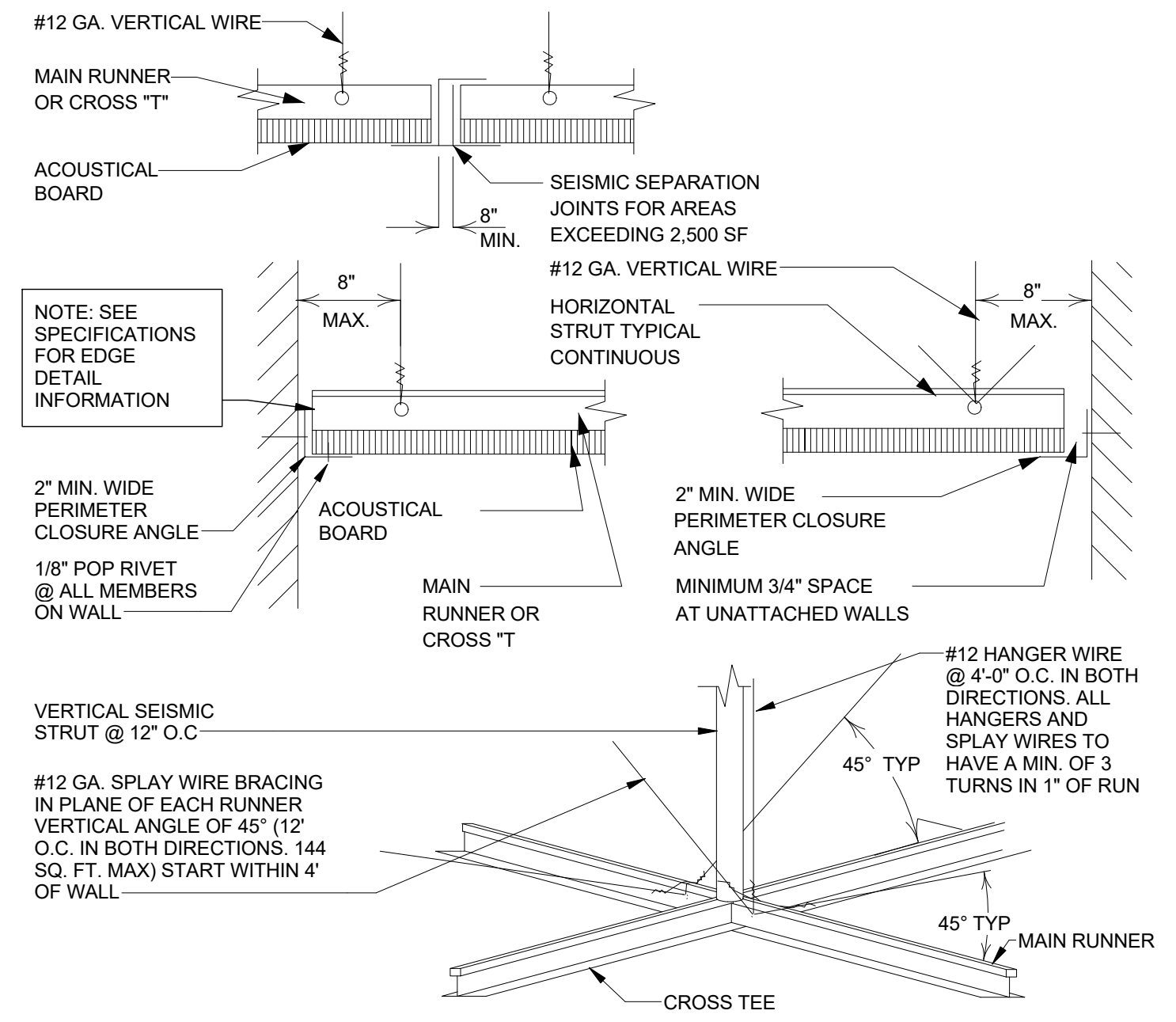
5 BASE CABINET 4 DRWR
1 1/2" = 1'-0"



6 UPPER CABINET
1 1/2" = 1'-0"



7 OPEN UPPER CABINET
1 1/2" = 1'-0"



8 TYPICAL SUSPENDED GRID DETAIL
1 1/2" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

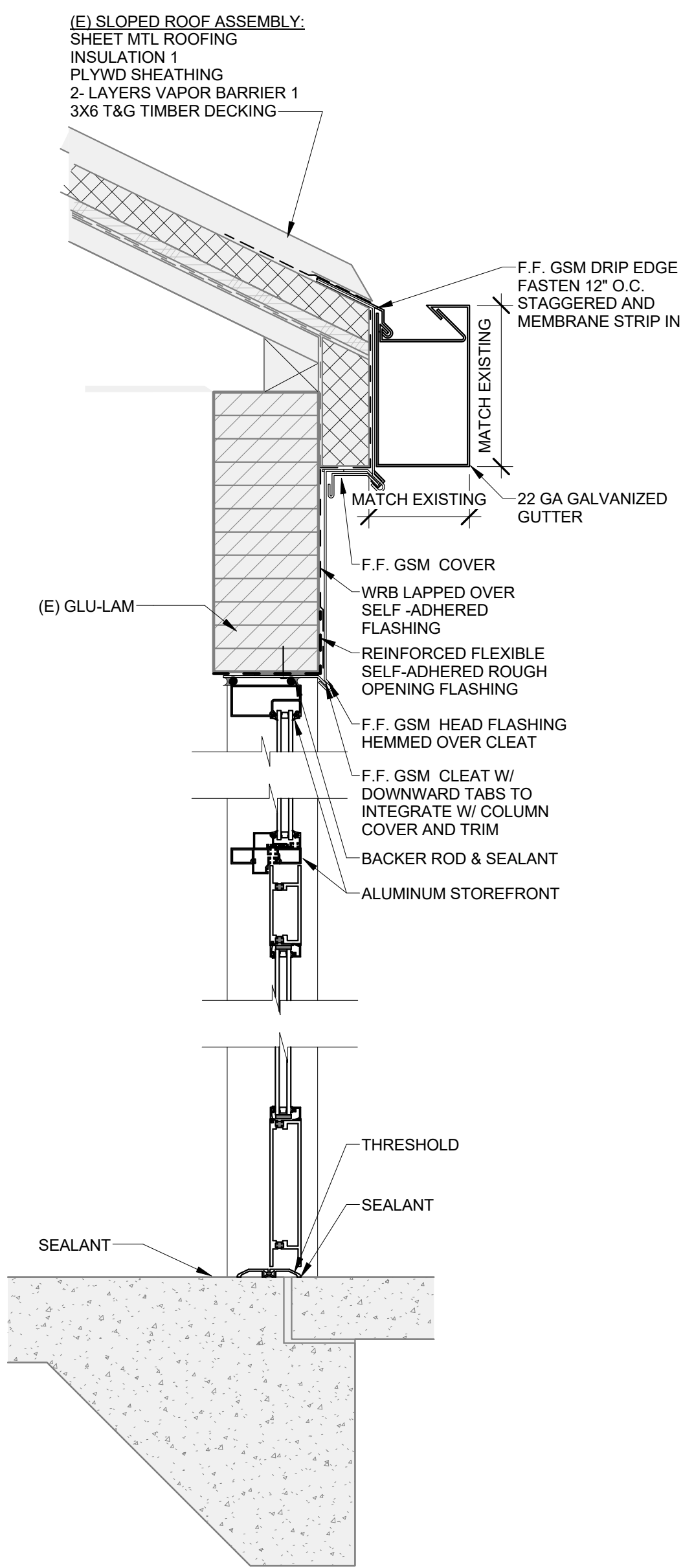
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 4/22/2024

REVISIONS	
#	DATE

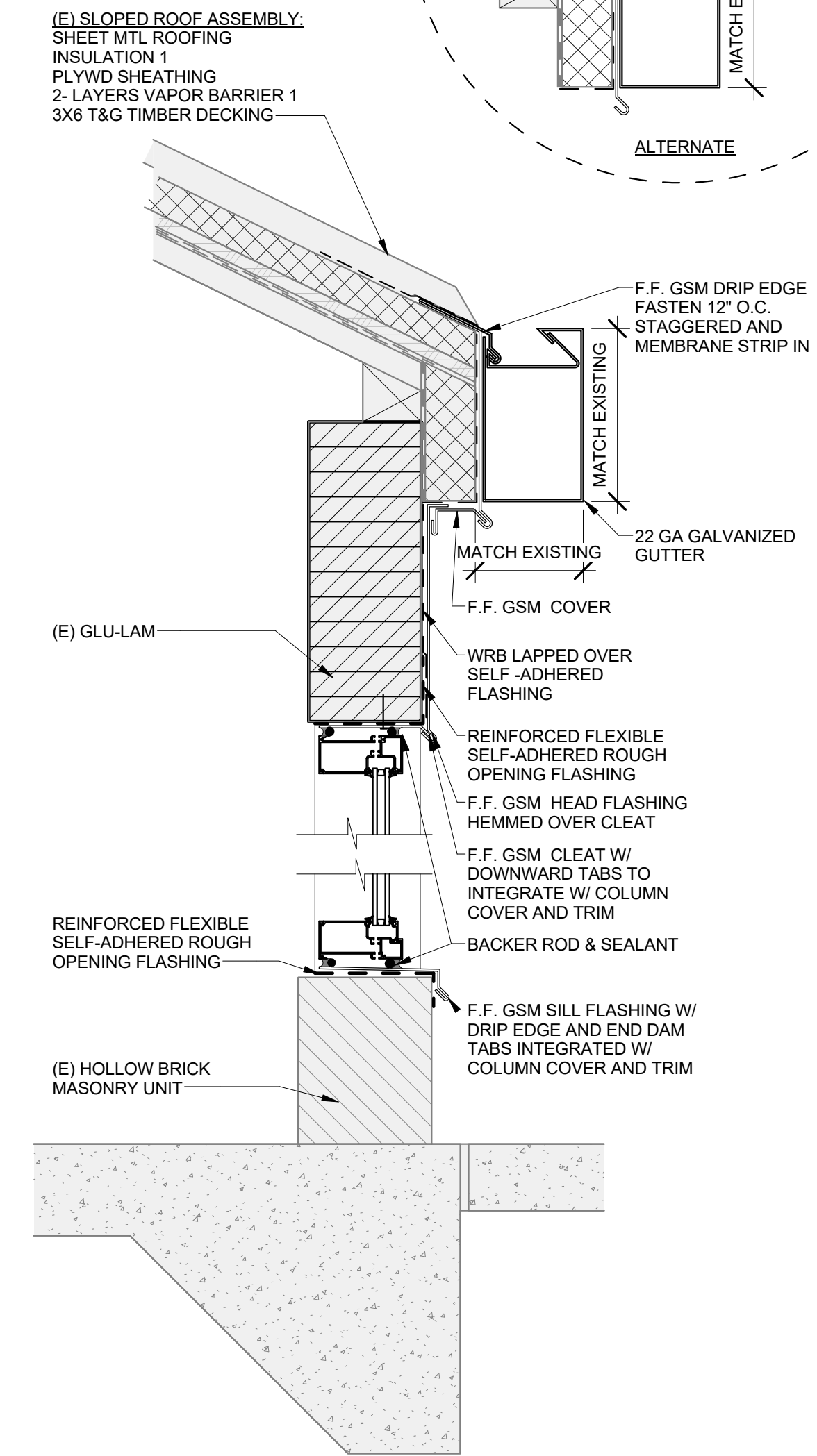
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

INT ELEV/
 ENLARGED
 PLAN/
 CASEWORK/
 CLG
 DETAILS

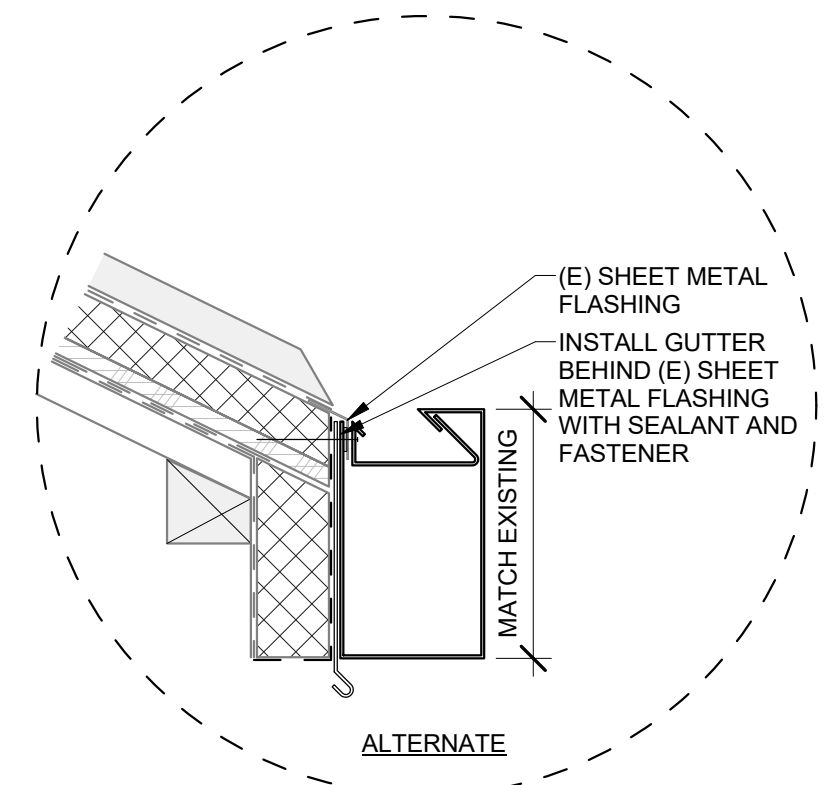
A-3.1
 2208



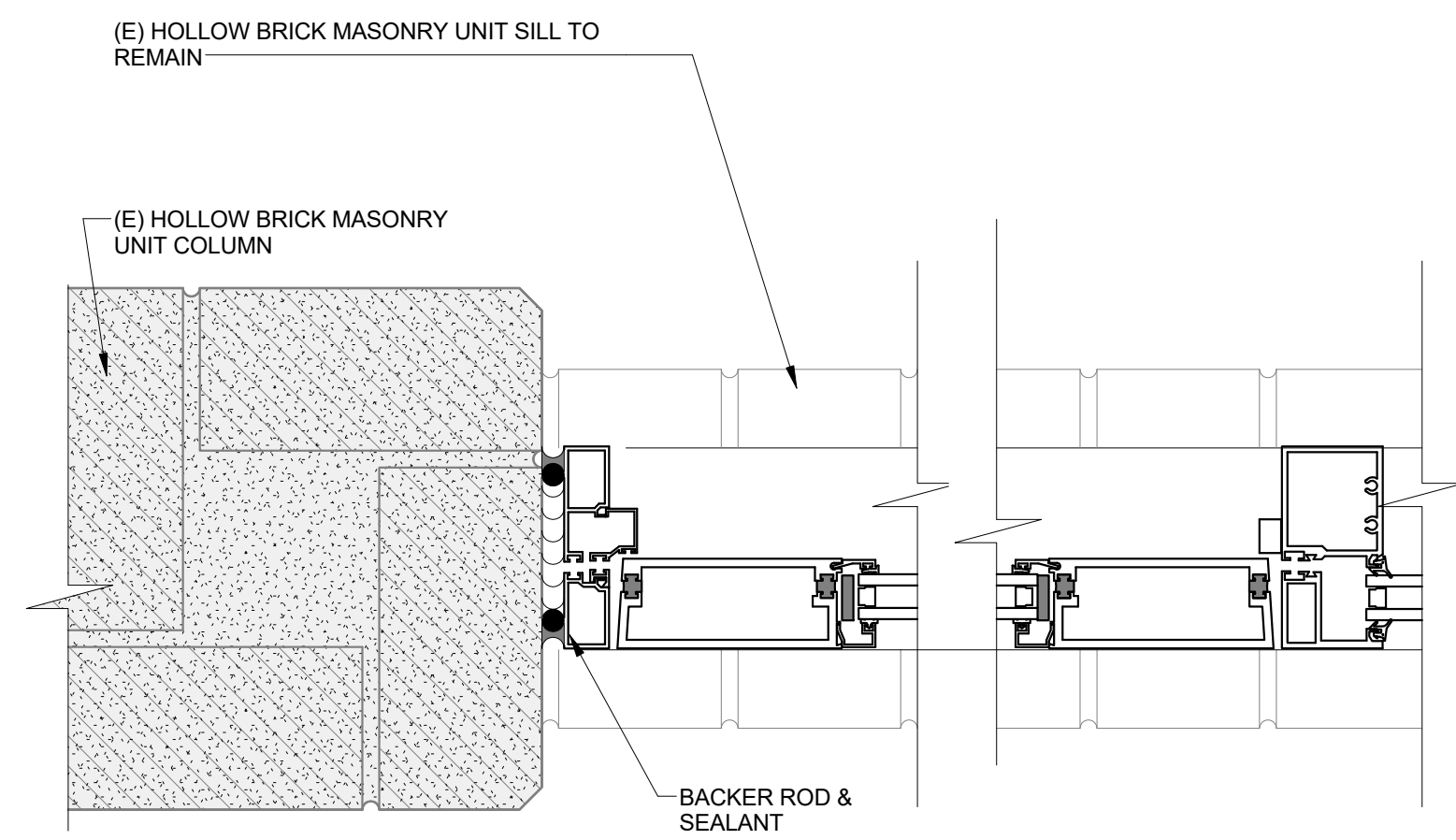
1 OFFICE STOREFRONT DOOR
1 1/2" = 1'-0"



2 OFFICE STOREFRONT
1 1/2" = 1'-0"

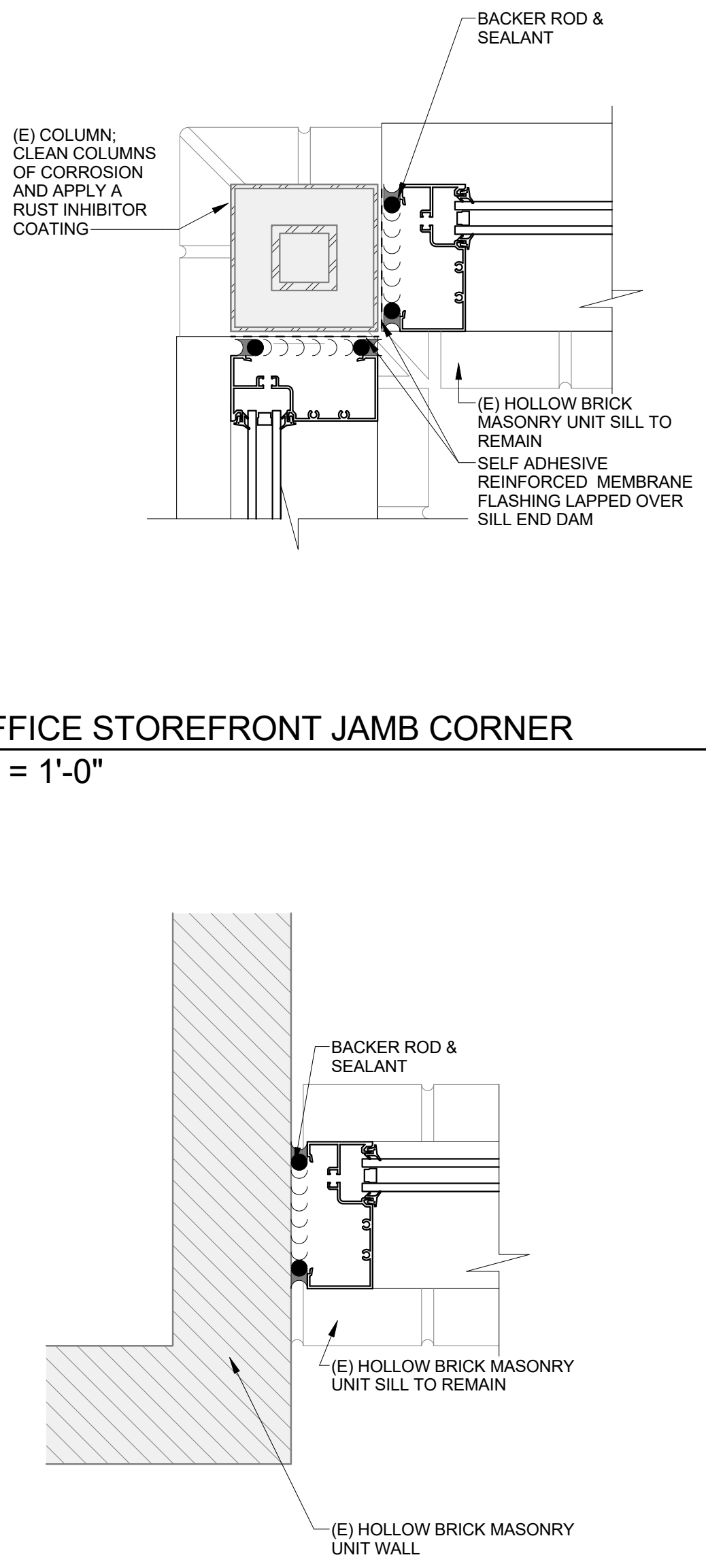


3 OFFICE STOREFRONT JAMB
3" = 1'-0"



5 OFFICE STOREFRONT DR JAMB
3" = 1'-0"

4 OFFICE STOREFRONT JAMB CORNER
3" = 1'-0"



6 OFFICE STOREFRONT JAMB @INSIDE CORNER
3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

STOREFRONT
DETAILS

A-4.0
2208

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

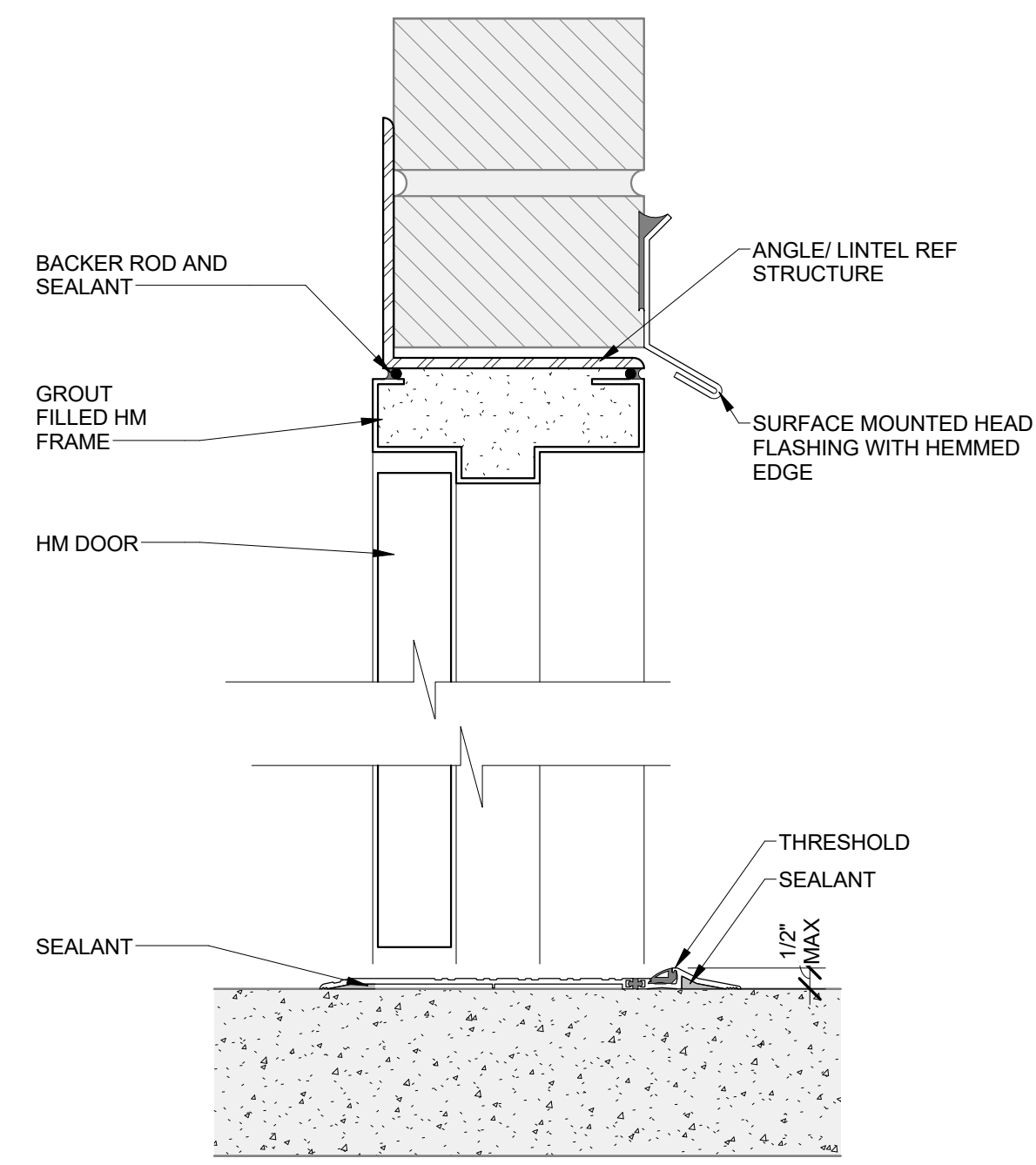
BID SET PHASE 1
4/22/2024

REVISIONS	
#	DATE

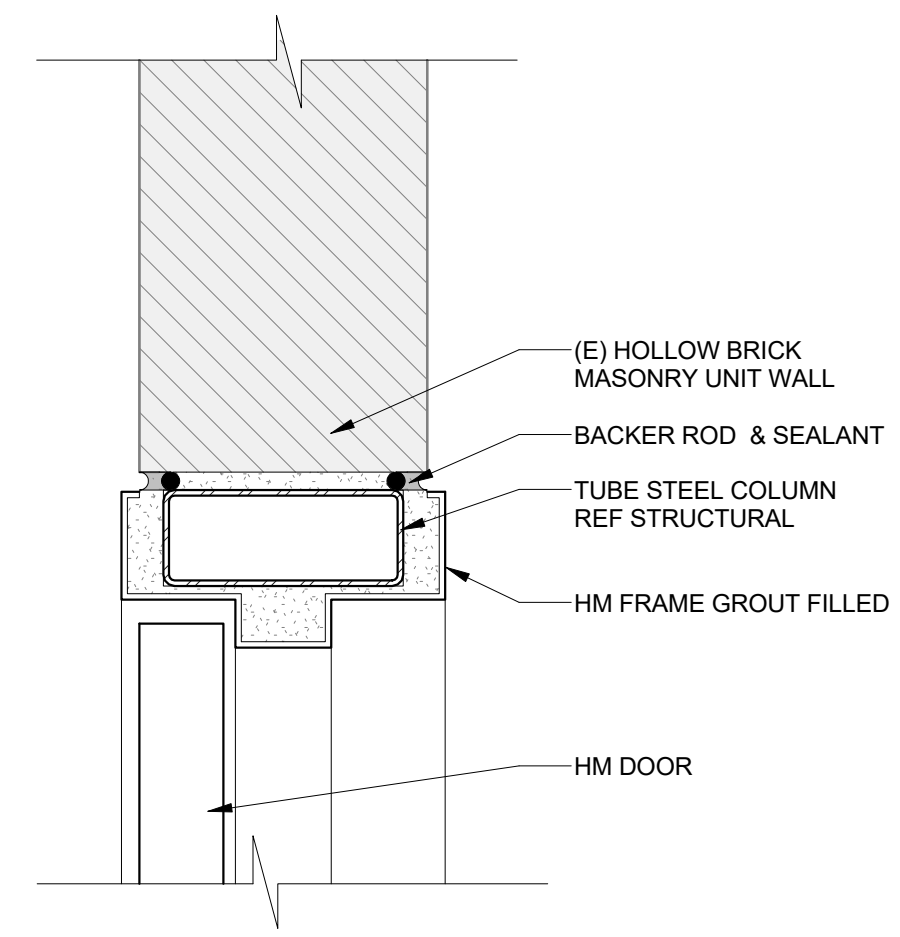
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

STOREFRONT/
EXT DOOR
DETAILS

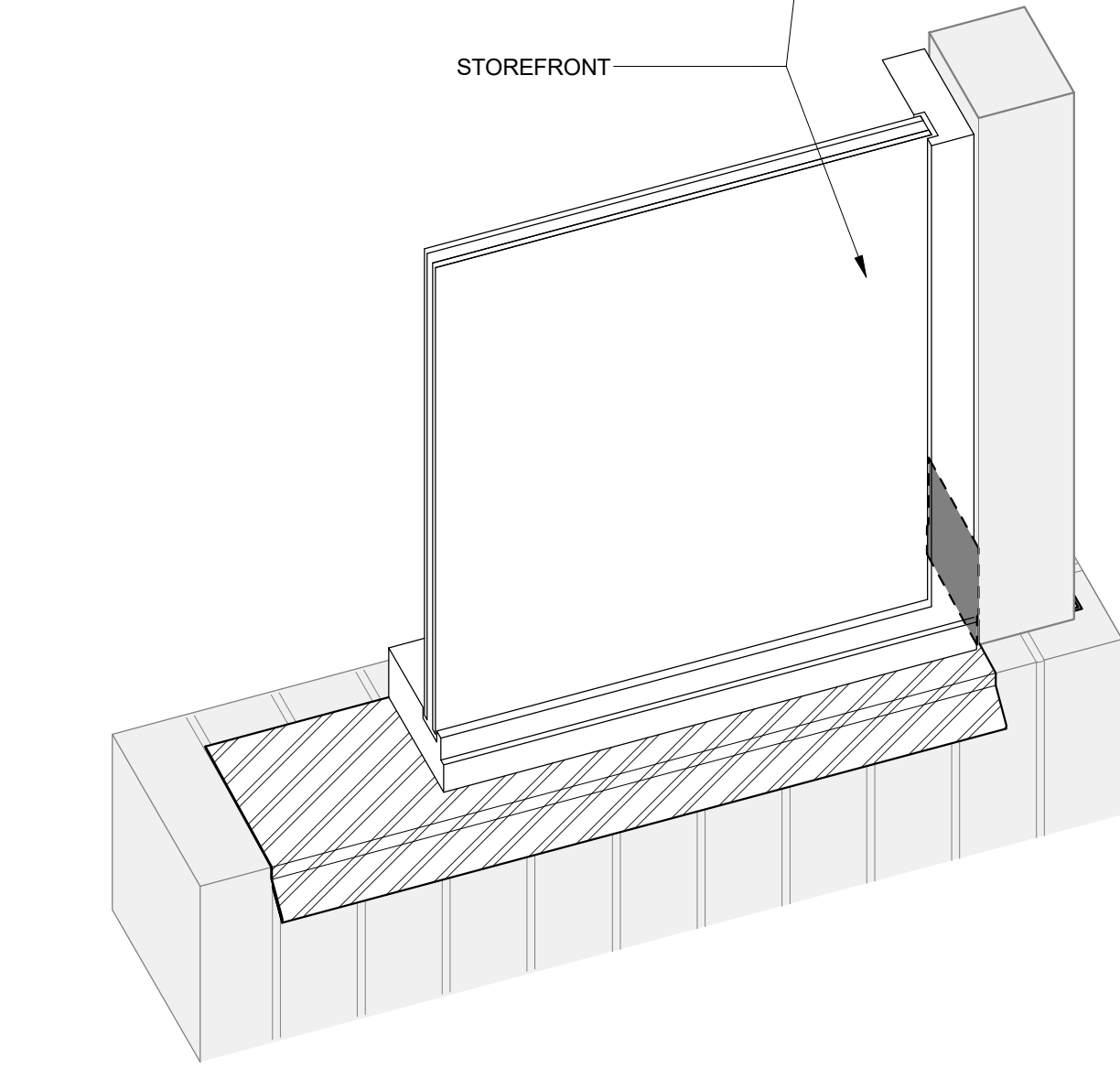
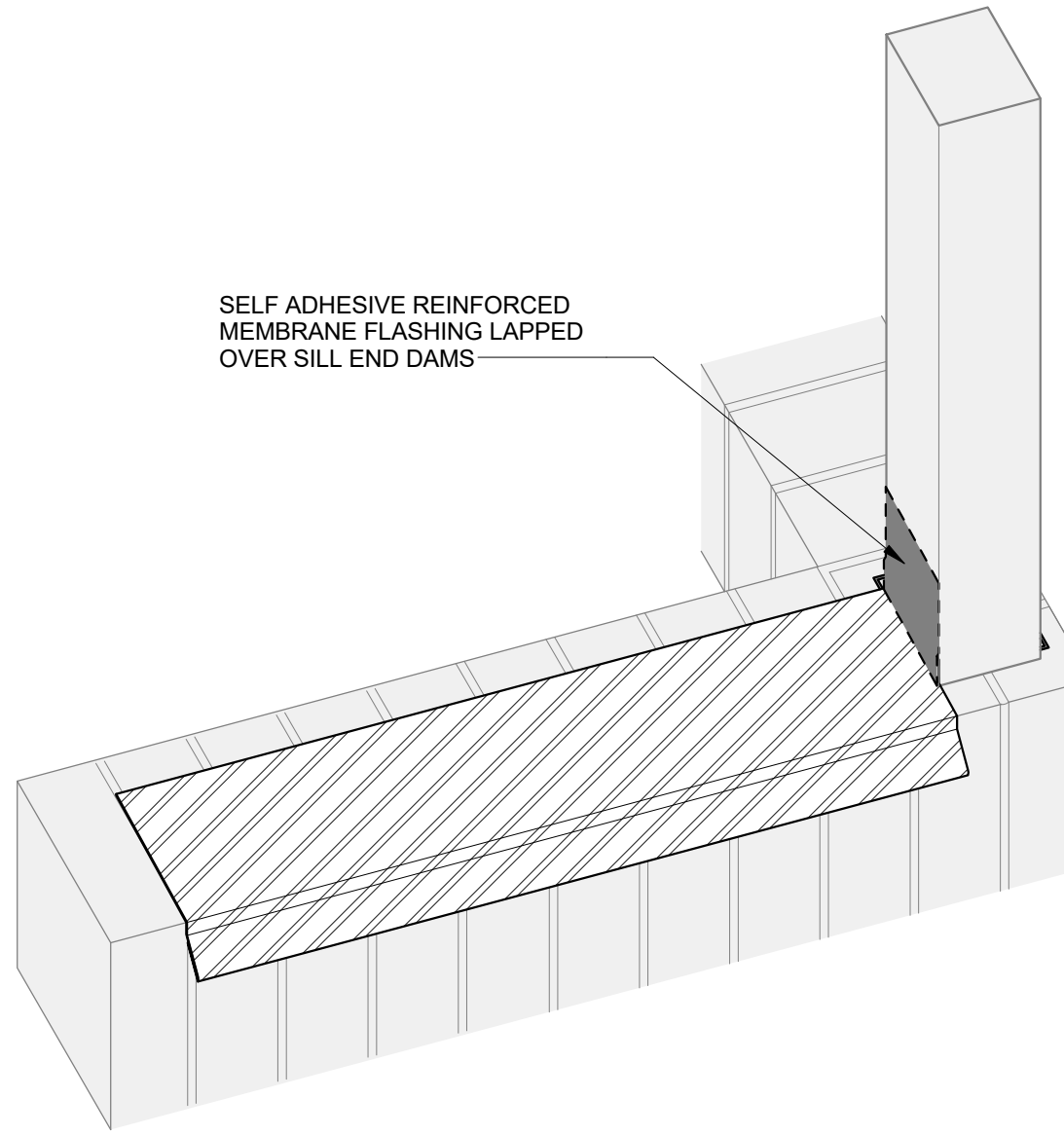
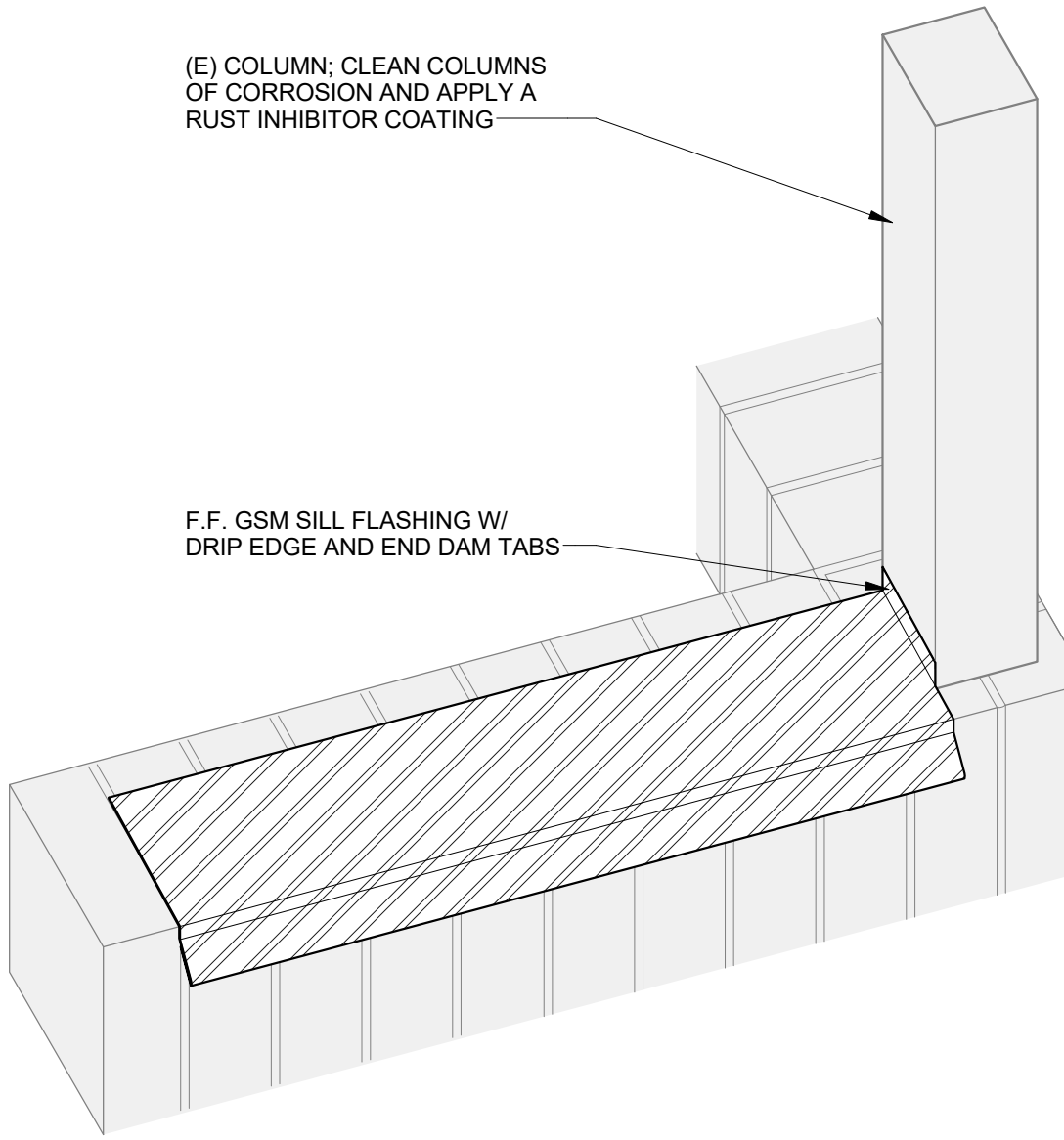
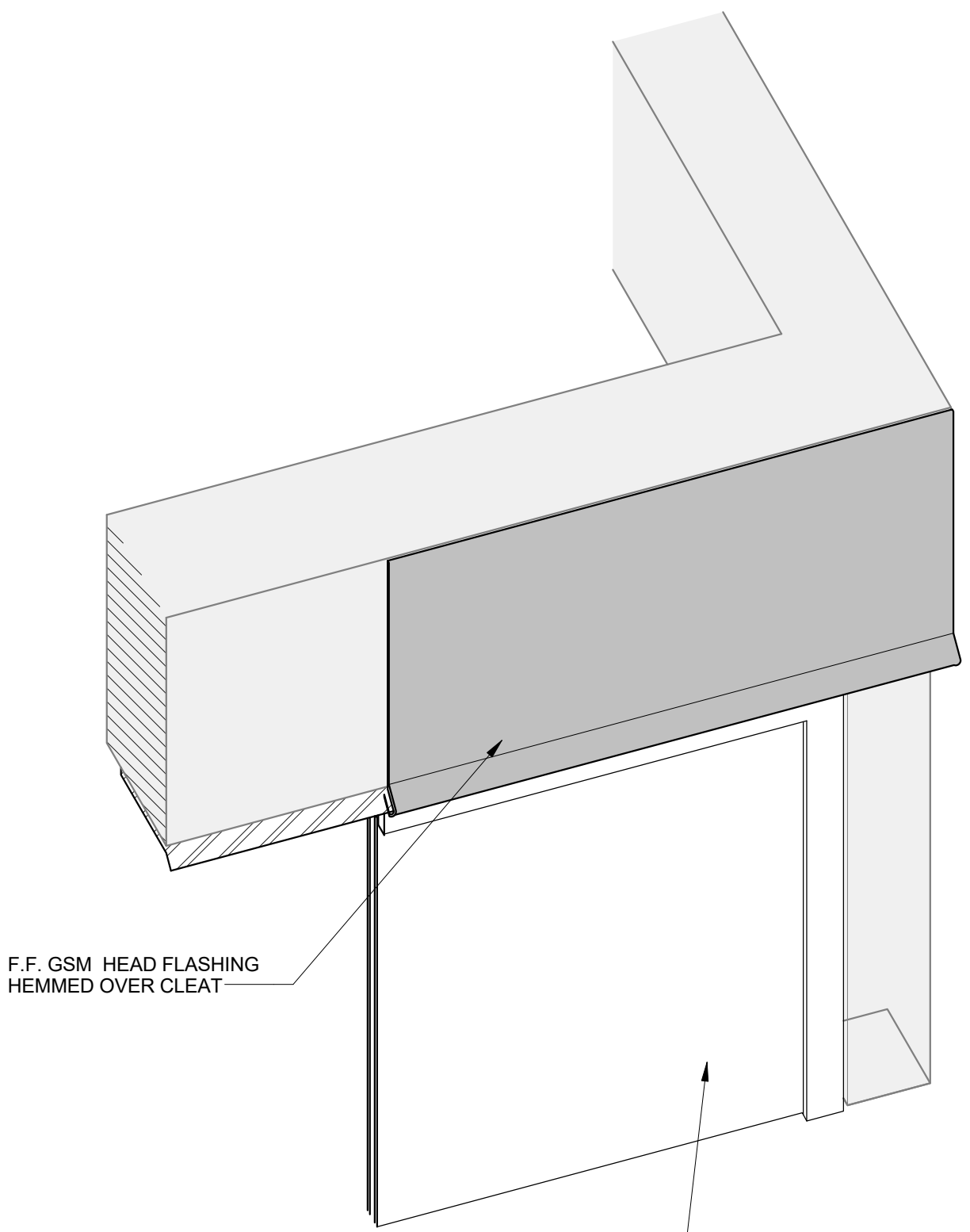
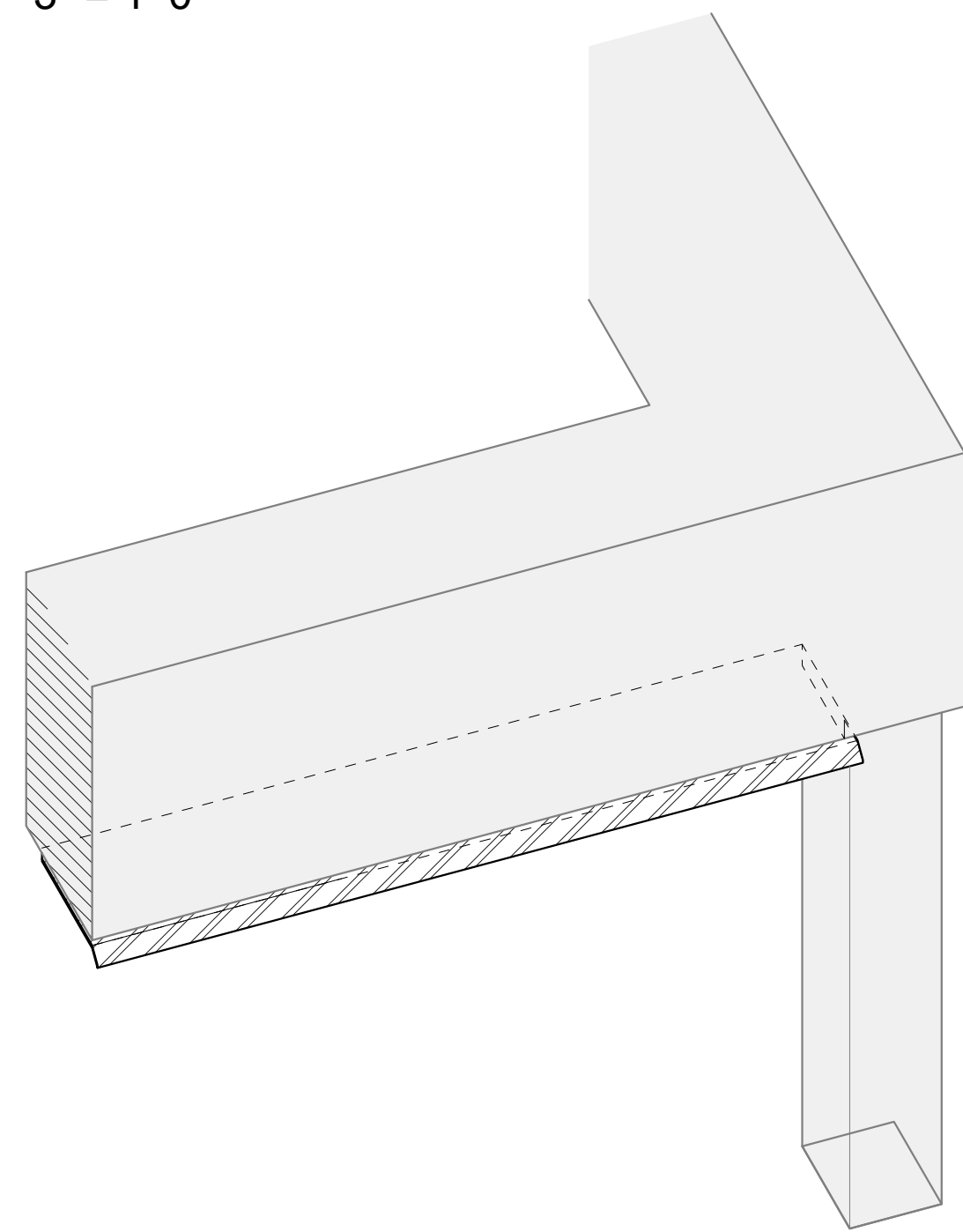
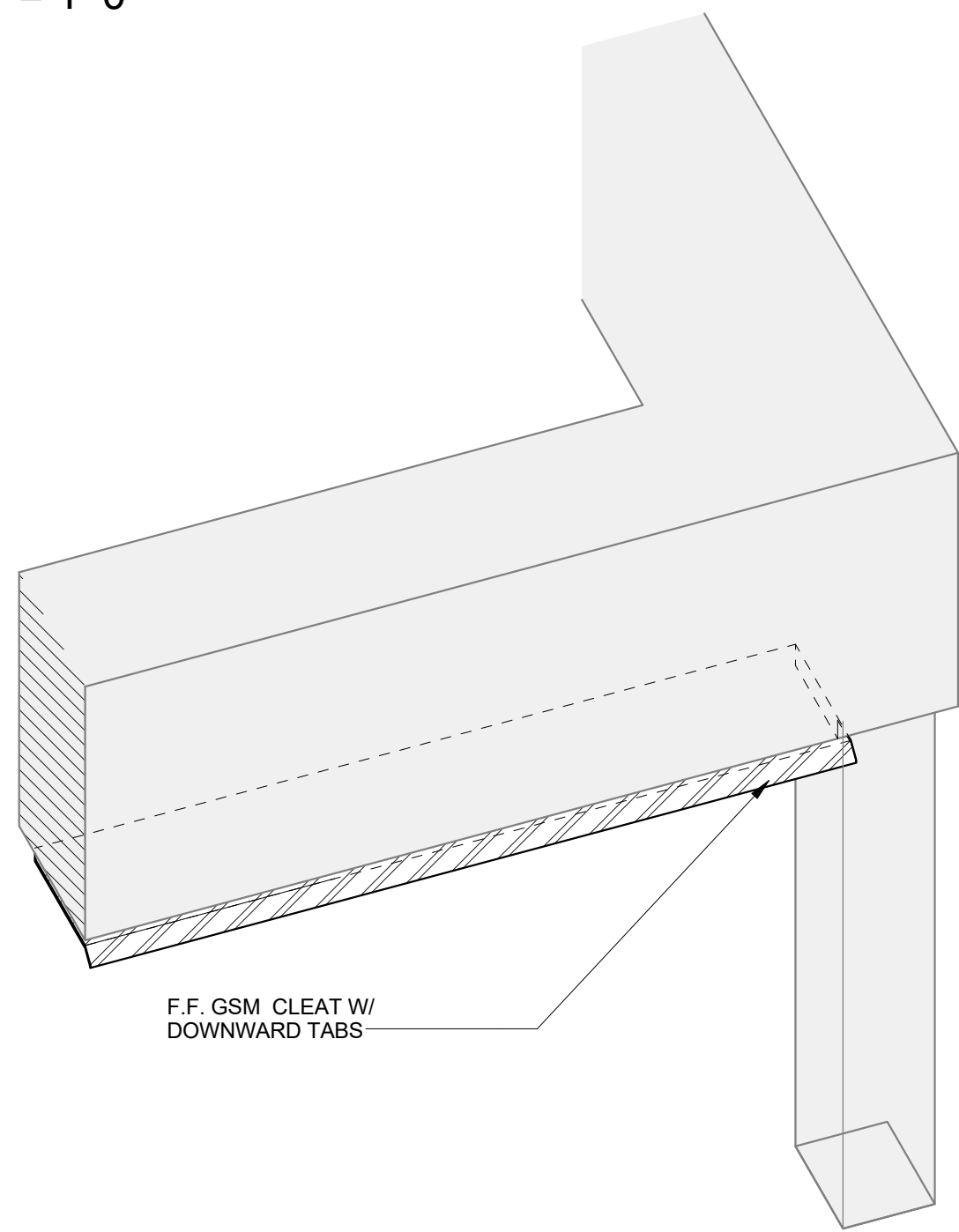
A-4.1
2208



1 DOOR HEAD/ THRESHOLD AT EXT BRICK WALL
3" = 1'-0"



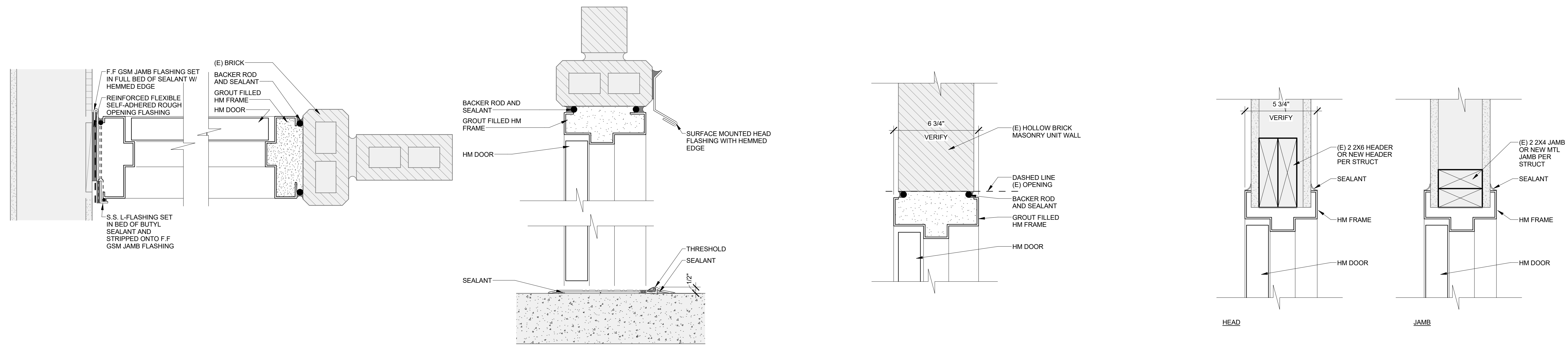
2 DOOR JAMB AT EXT BRICK WALL
3" = 1'-0"



3 OFFICE STOREFRONT/COLUMN FLASHING ISO
1 1/2" = 1'-0"

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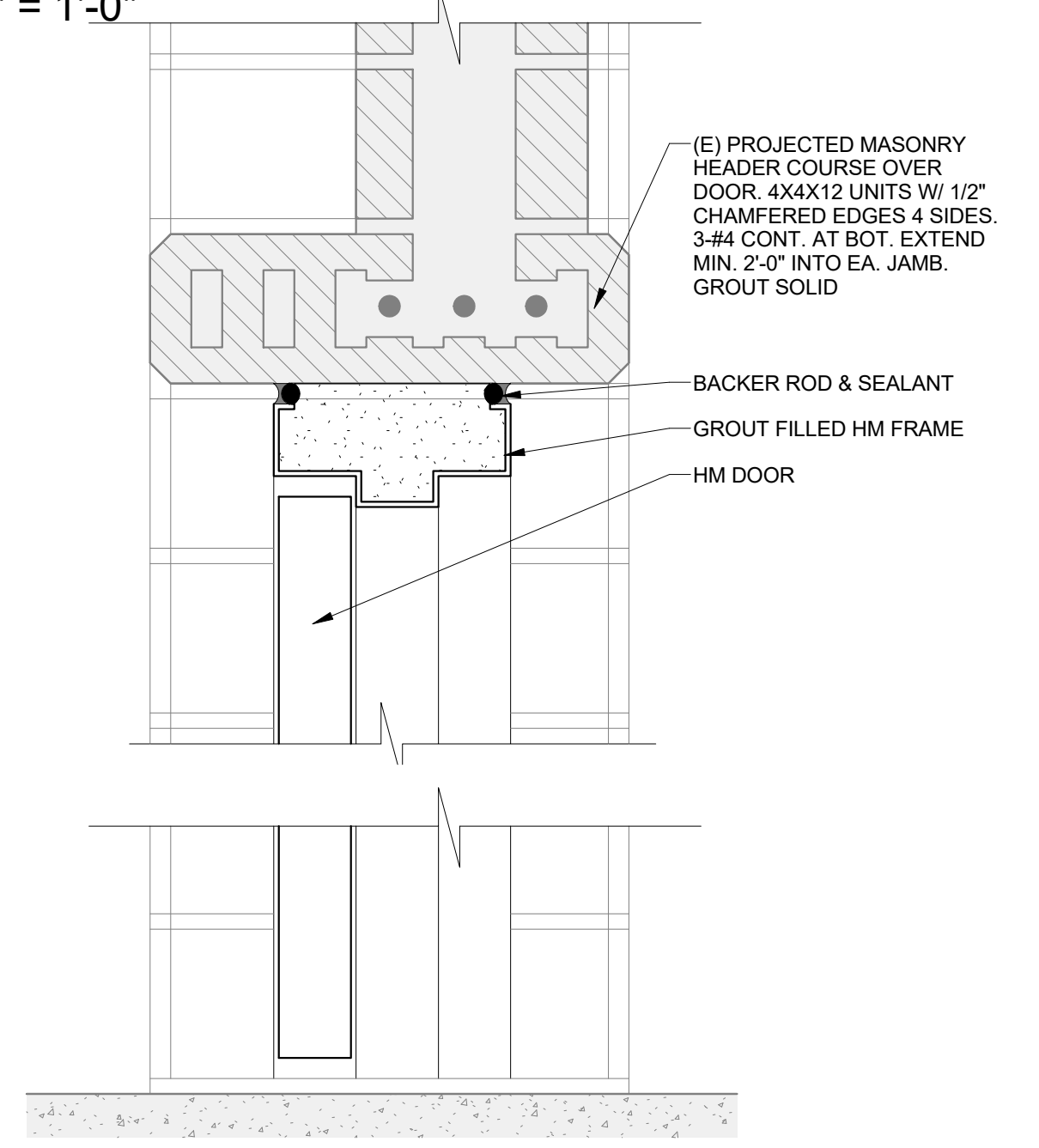


1 EXTERIOR STORAGE DOOR JAMB
 3" = 1'-0"

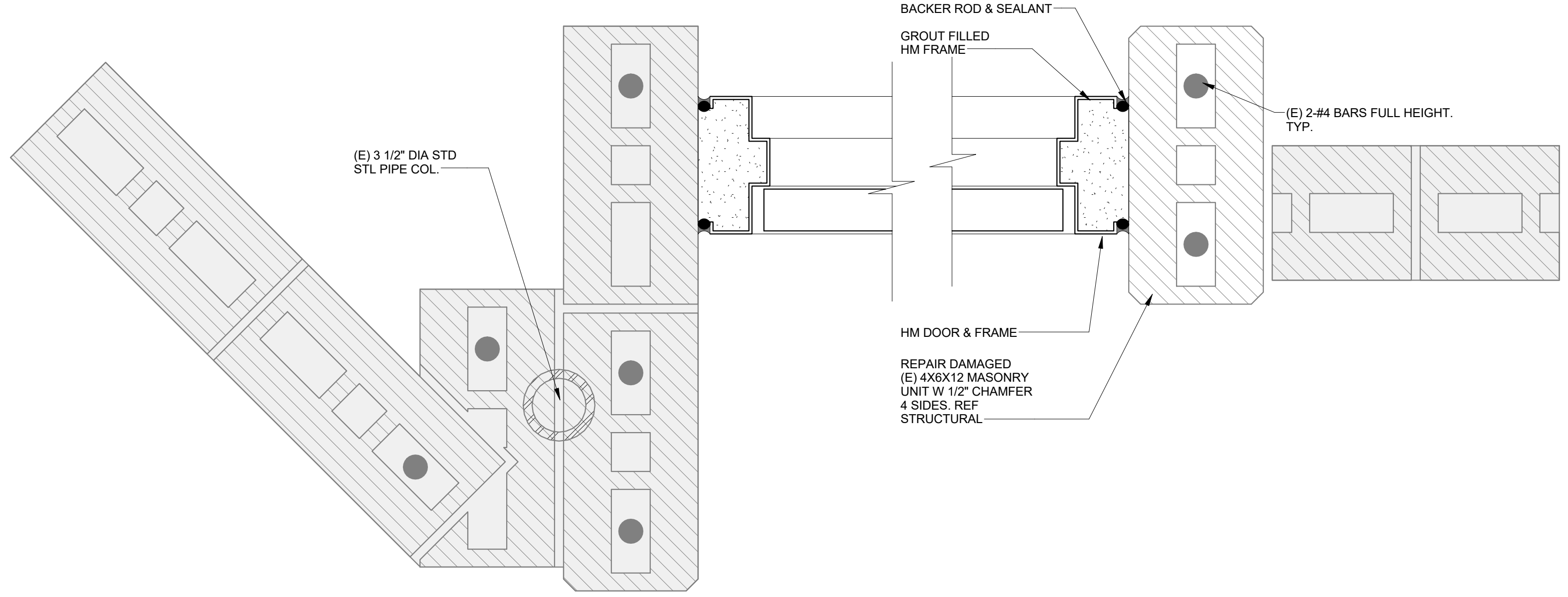
2 EXTERIOR STORAGE DOOR HEAD/THRESHOLD
 3" = 1'-0"

3 INTERIOR HOLLOW METAL DOOR @ BRICK HEAD/ JAMB
 3" = 1'-0"

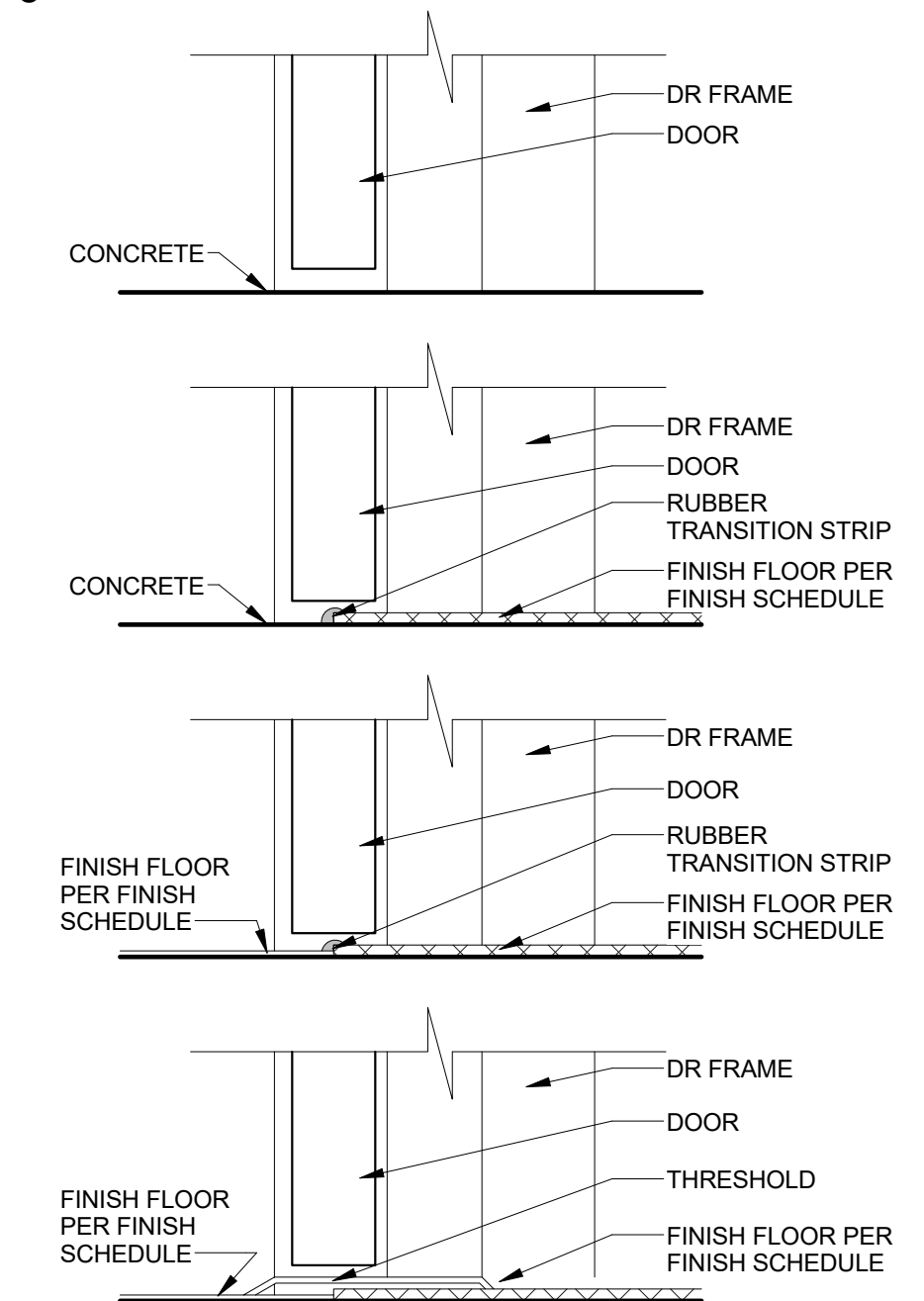
4 INTERIOR HOLLOW METAL DOOR
 3" = 1'-0"



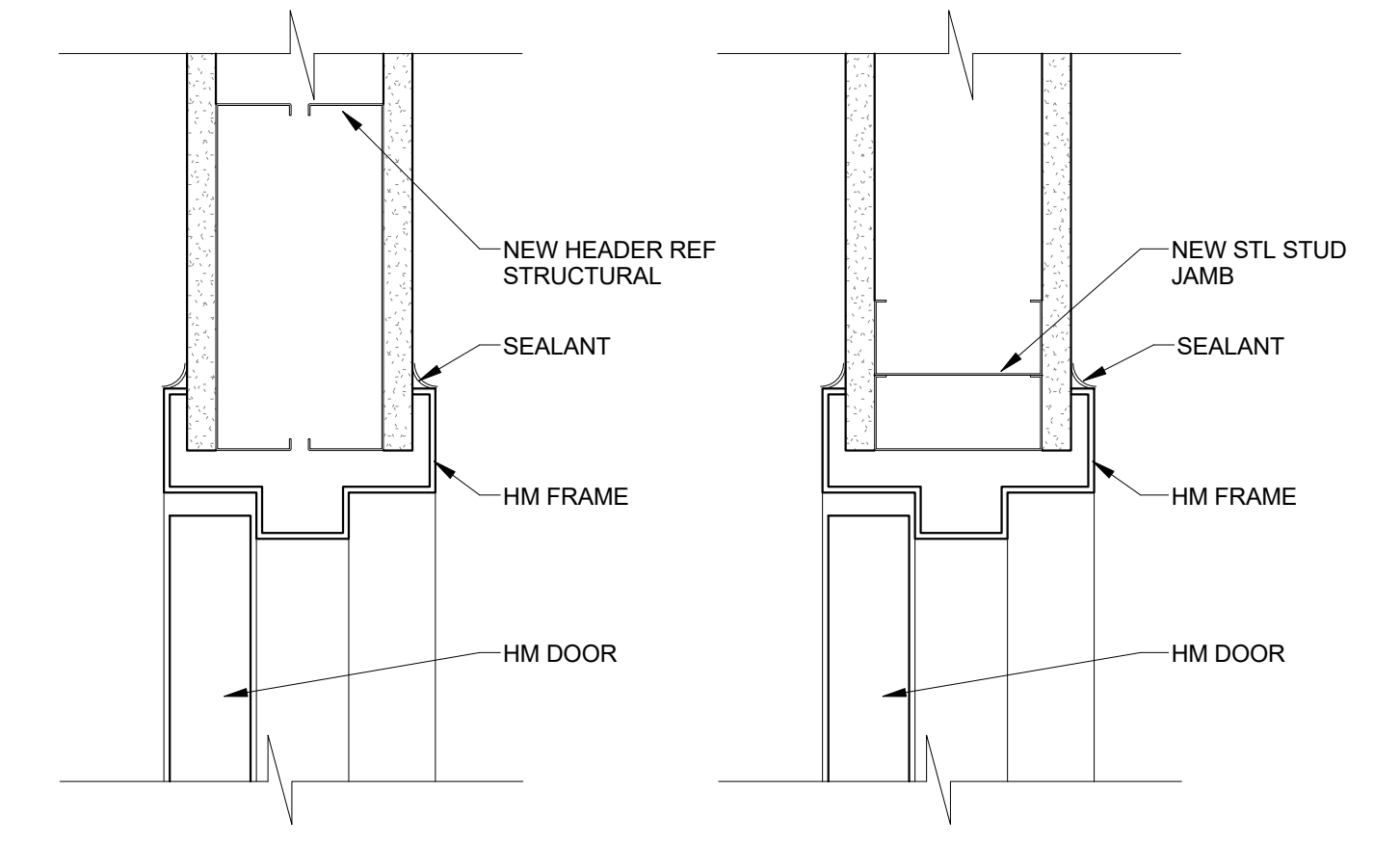
5 INT STORAGE DOOR HEAD/ SILL SECT
 3" = 1'-0"



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



7 INT DOOR THRESHOLD
 3" = 1'-0"



8 INT HM DOOR NEW WALL
 3" = 1'-0"

GENERAL NOTE
 1. REFER TO A-5.0 FOR DOOR SCHEDULE.

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

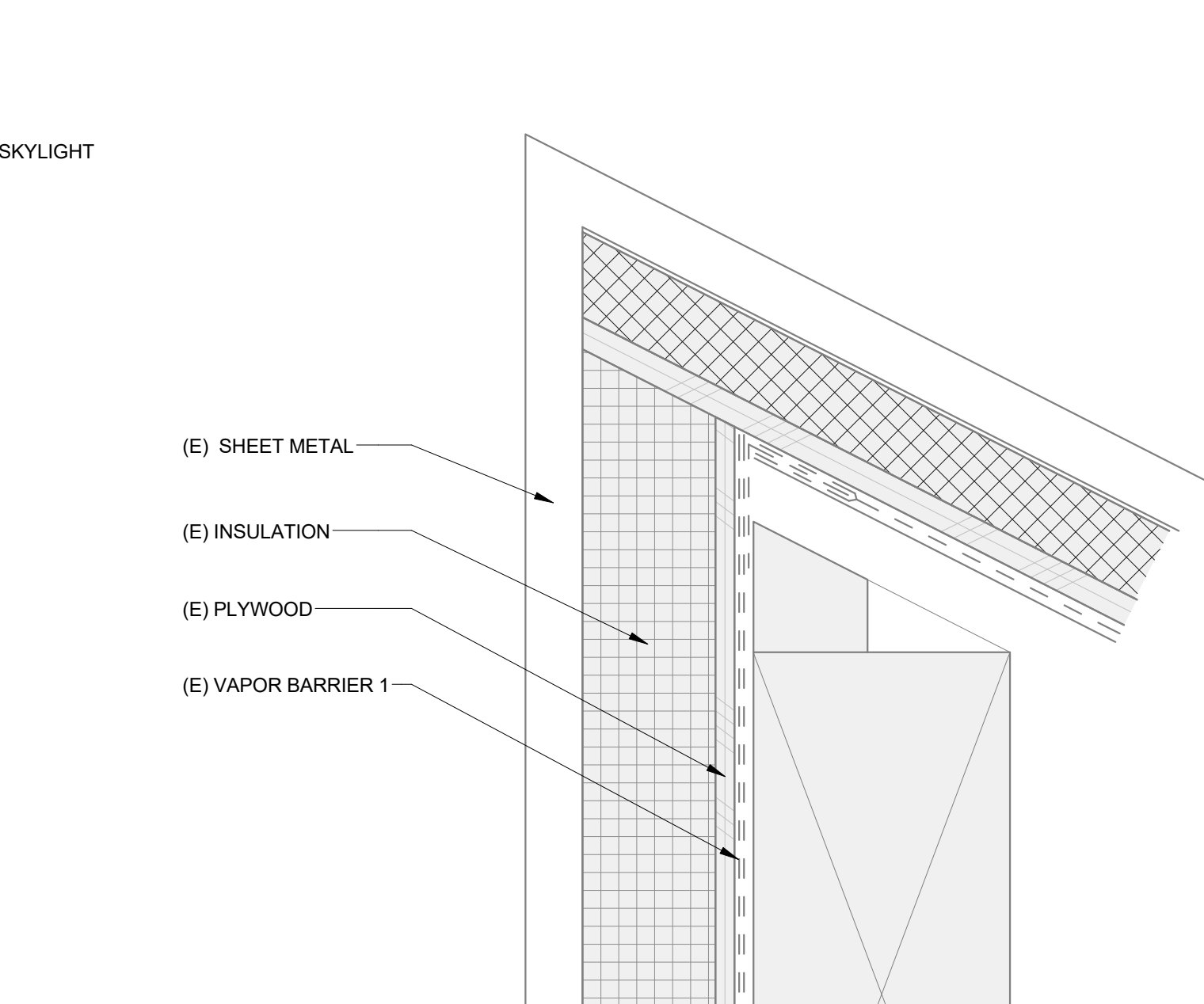
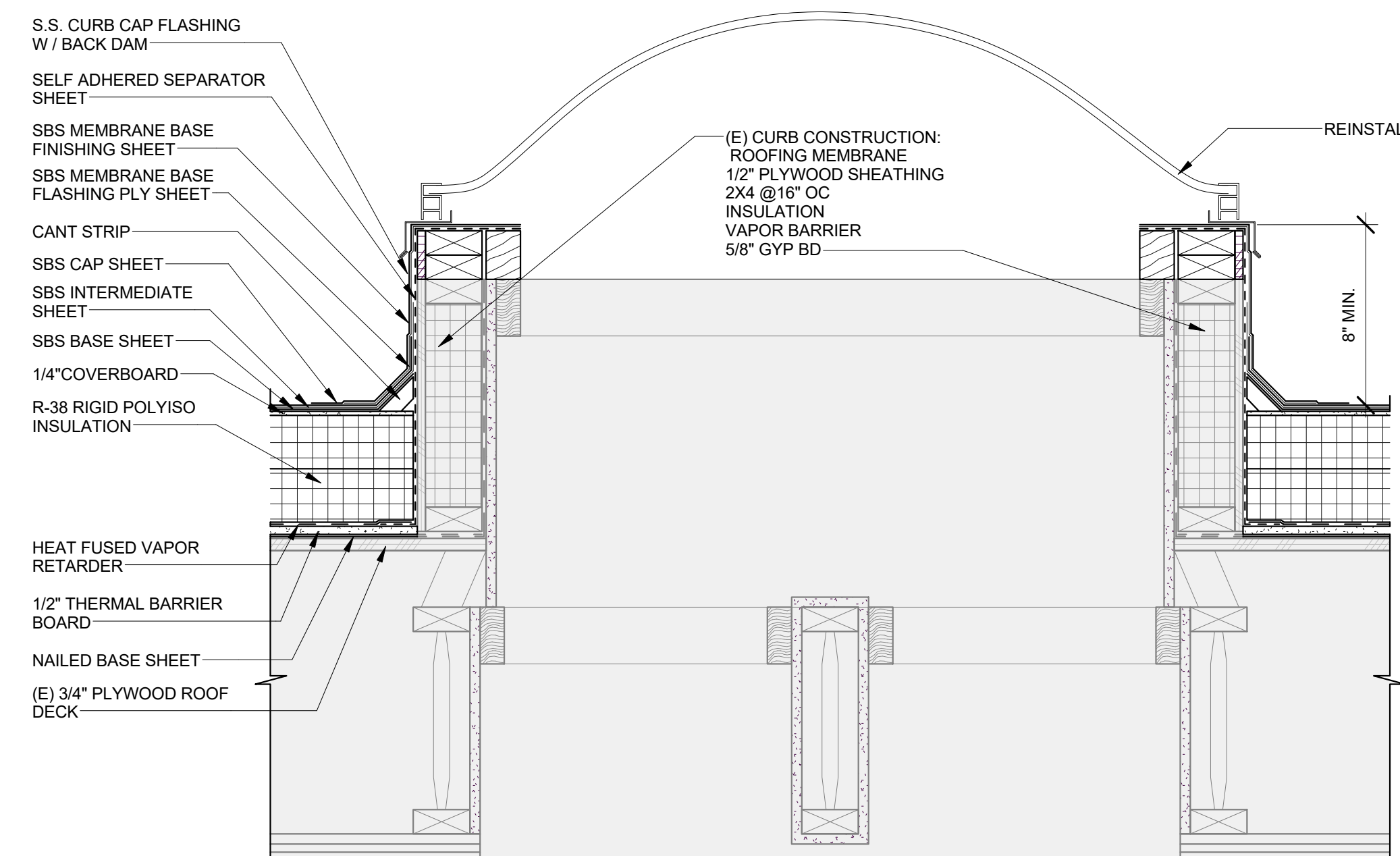
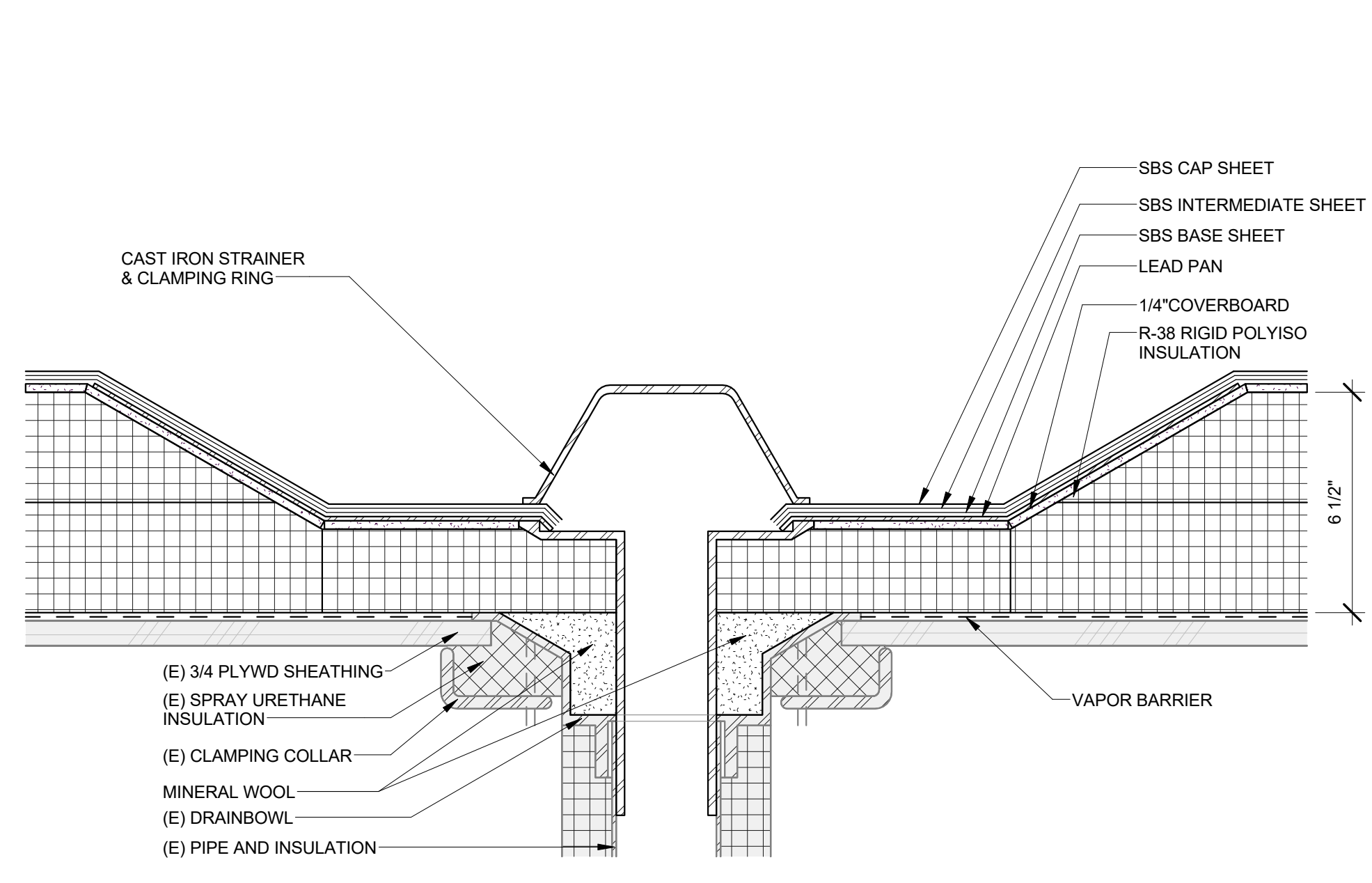
BID SET PHASE 1
 4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT
 SMS
 PROJECT MANAGER
 LB
 DRAWN
 RS

DETAILS

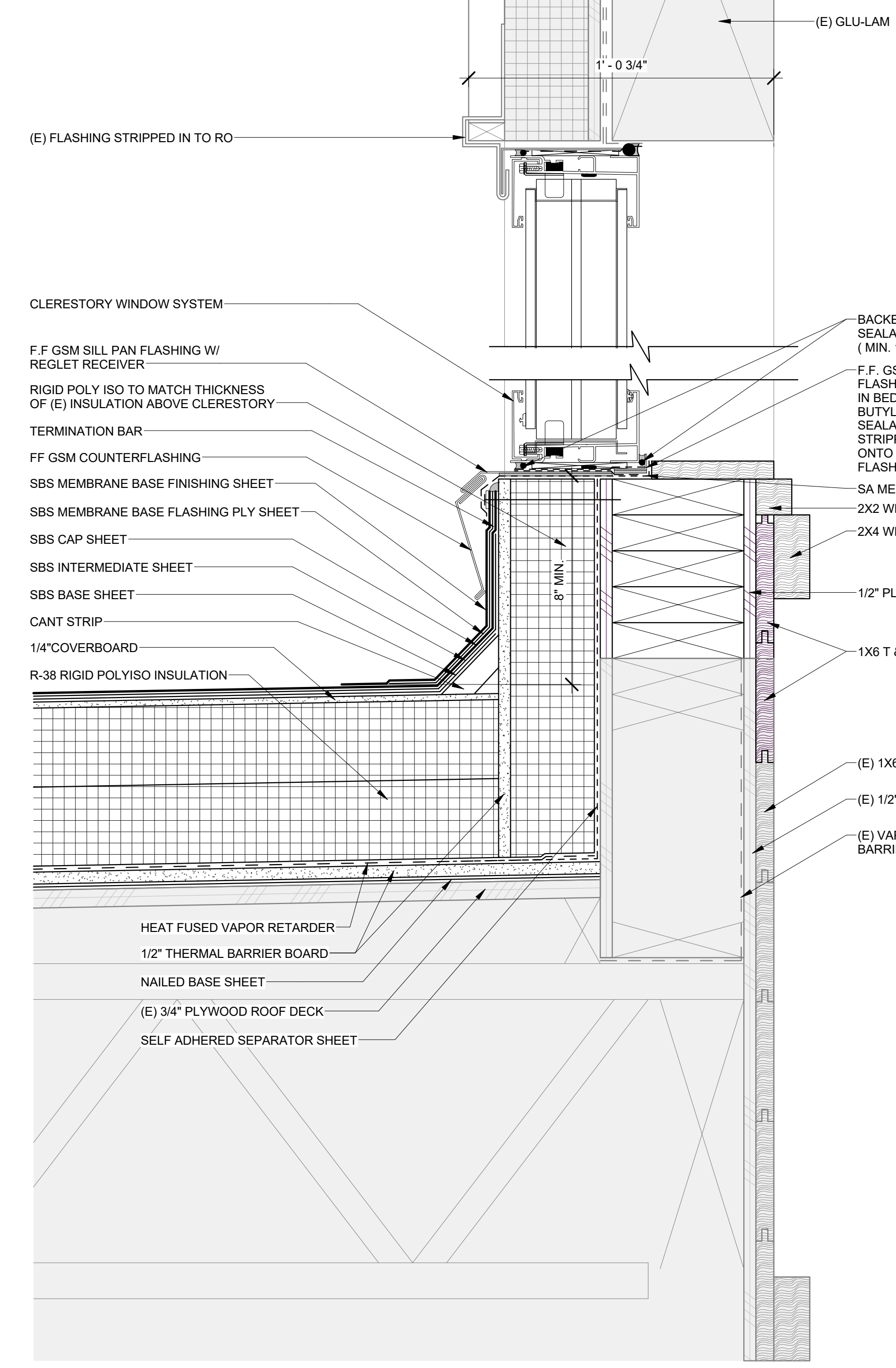
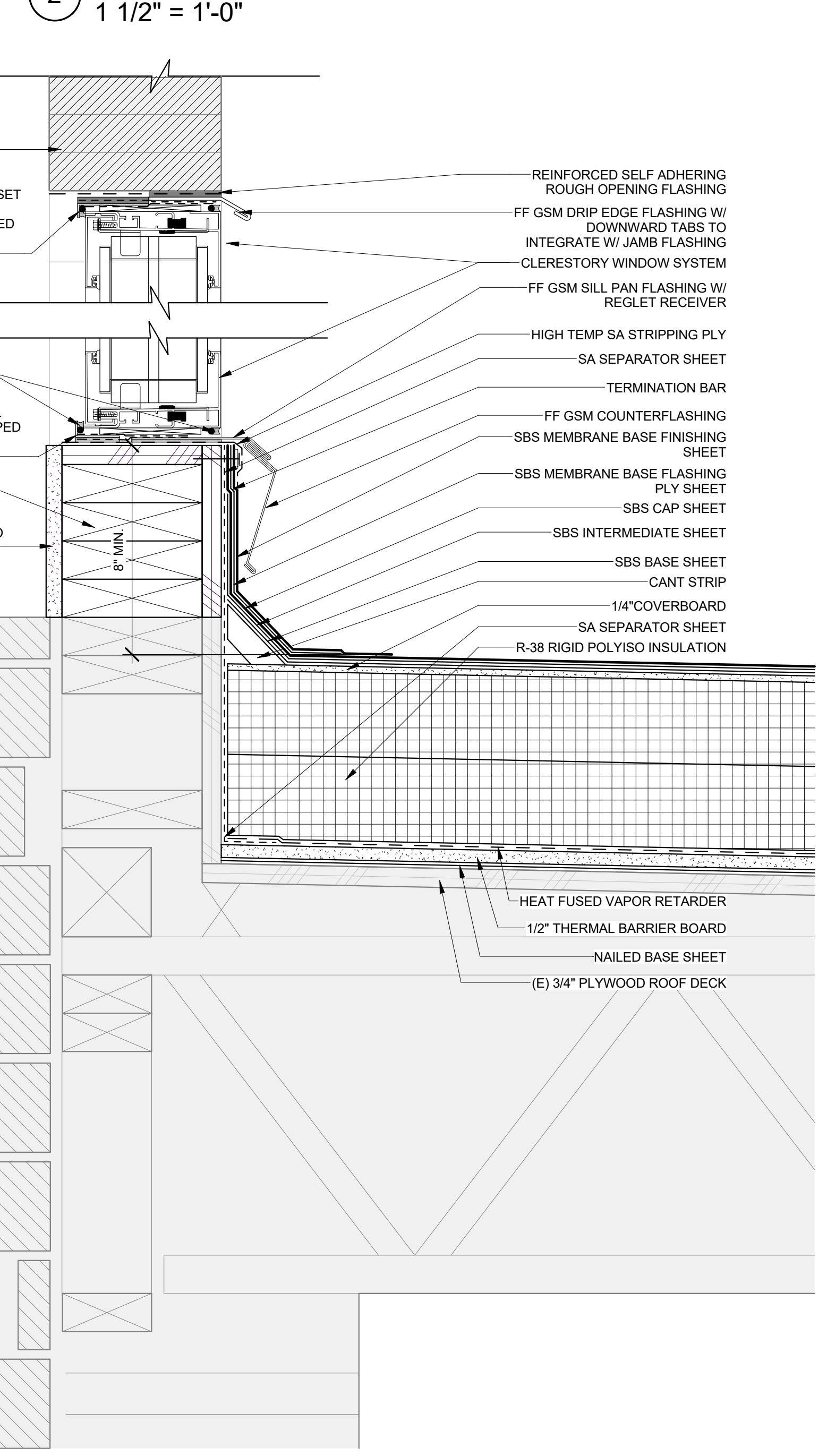
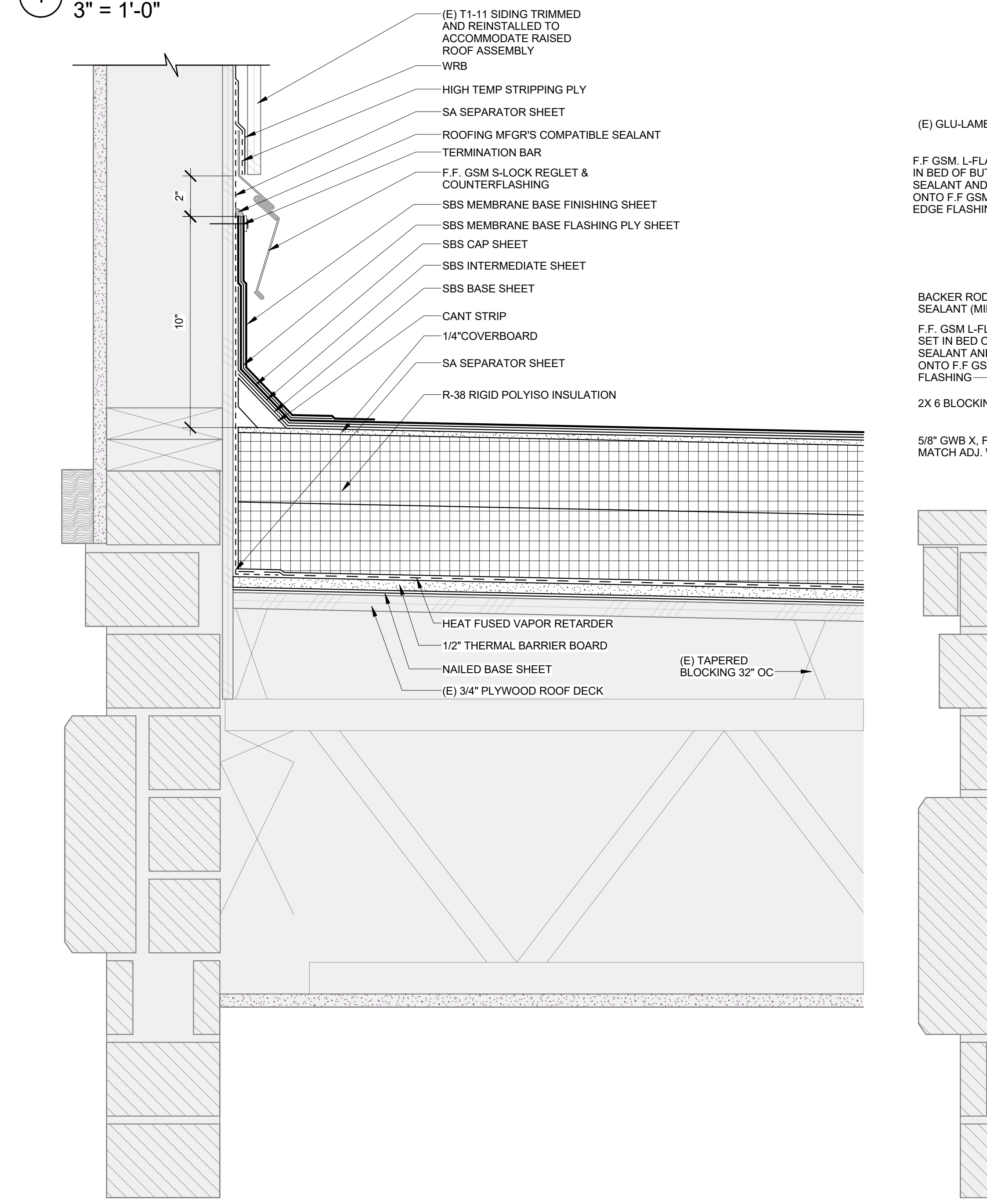
A-4.2
 2208



1 ROOF DRAIN
 3" = 1'-0"

2 SKYLIGHT SECTION
 1 1/2" = 1'-0"

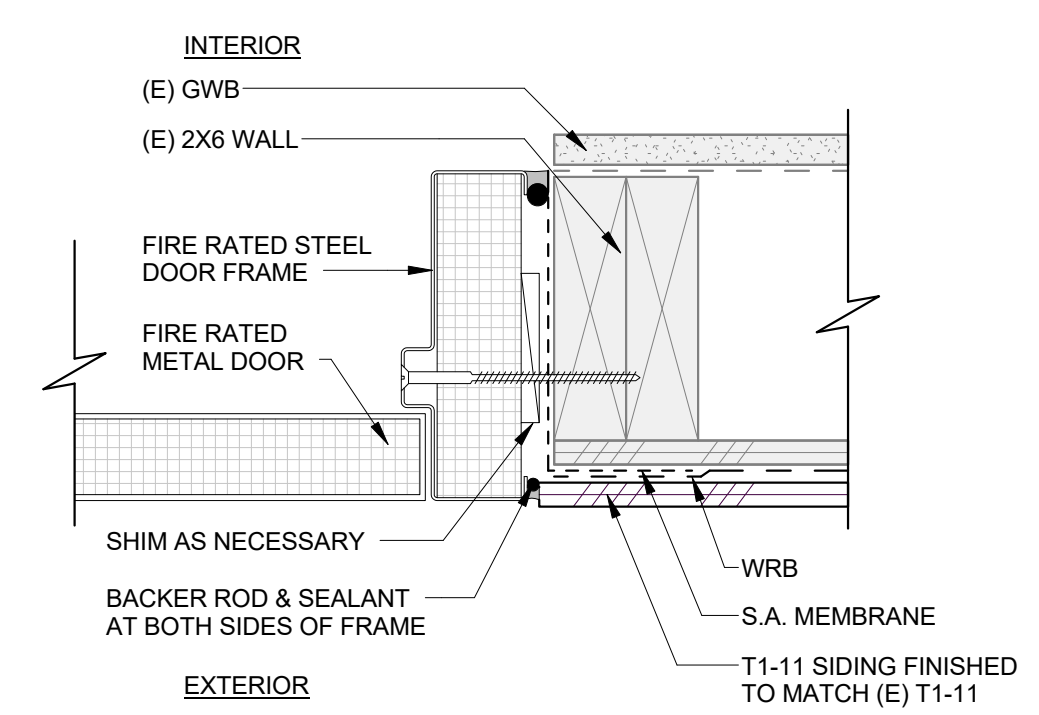
3 ROOF TO WALL AT SIDING
 3" = 1'-0"



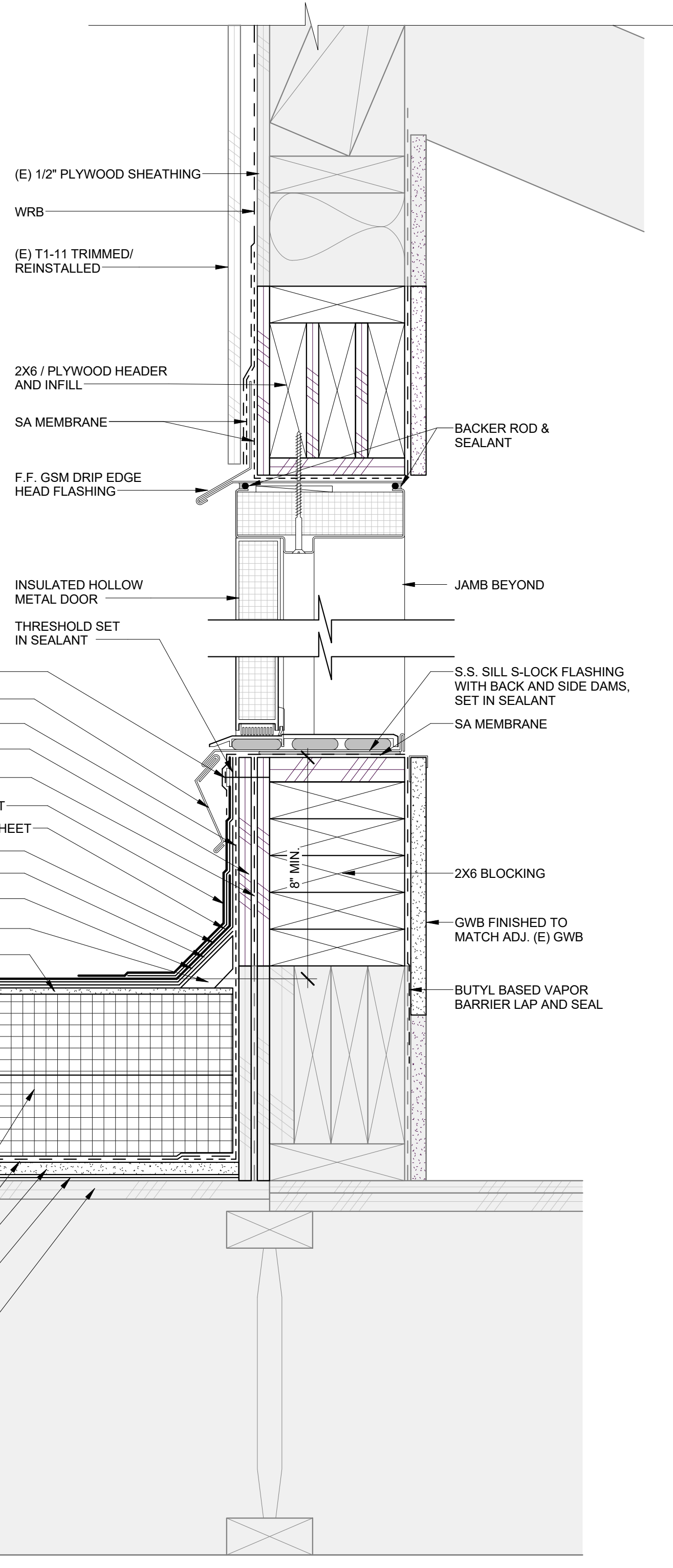
4 NANATORIUM CLERESTORY - CPI UNIQUAD
 3" = 1'-0"

5 OFFICE 101 CLERESTORY
 3" = 1'-0"

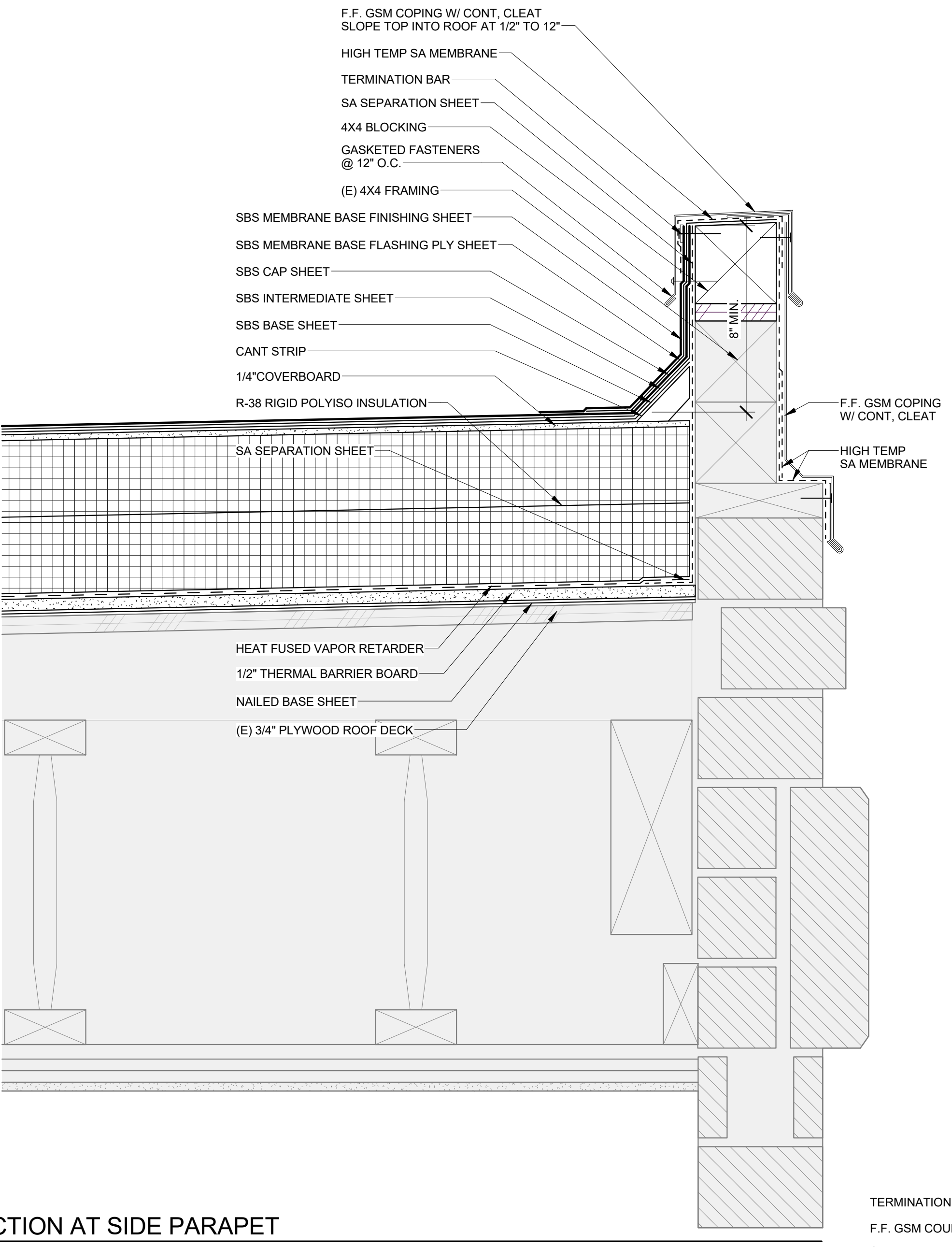
4/22/2024 12:16:48 PM C:\Users\Reinal\Documents\RWP CD1-Central_Reinal.rvt



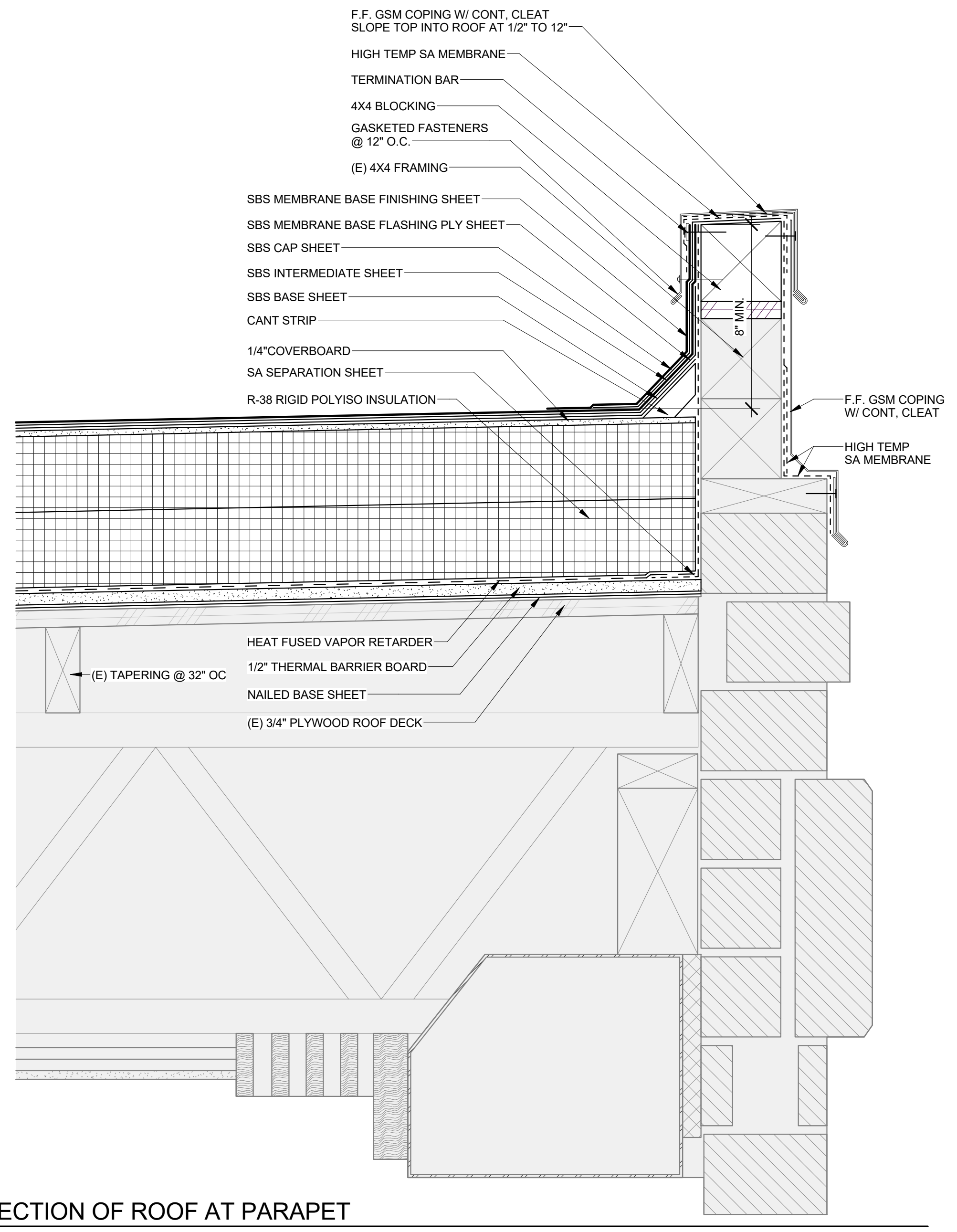
3 MECH PENTHOUSE DOOR JAMB
 3" = 1'-0"



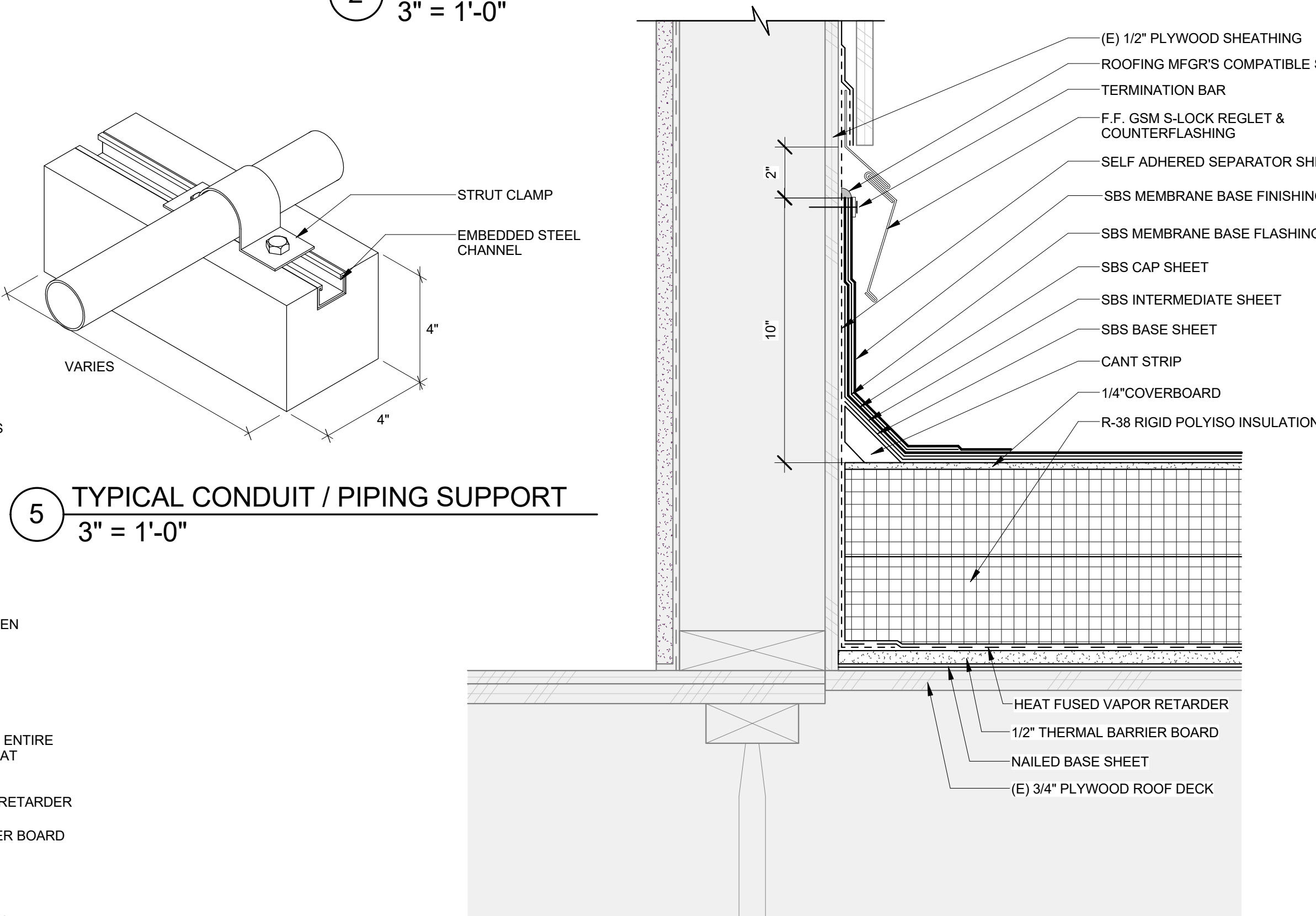
7 MECH LOFT DOOR VERTICAL SECTION
 3" = 1'-0"



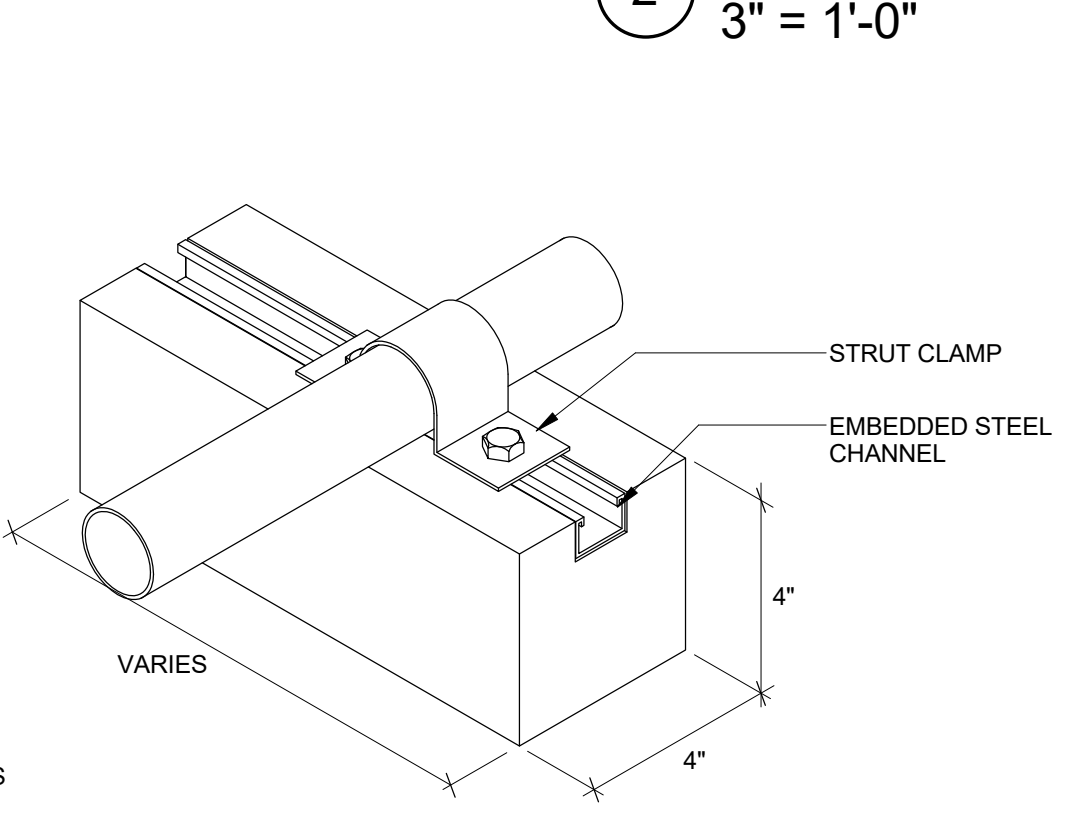
2 SECTION AT SIDE PARAPET
 3" = 1'-0"



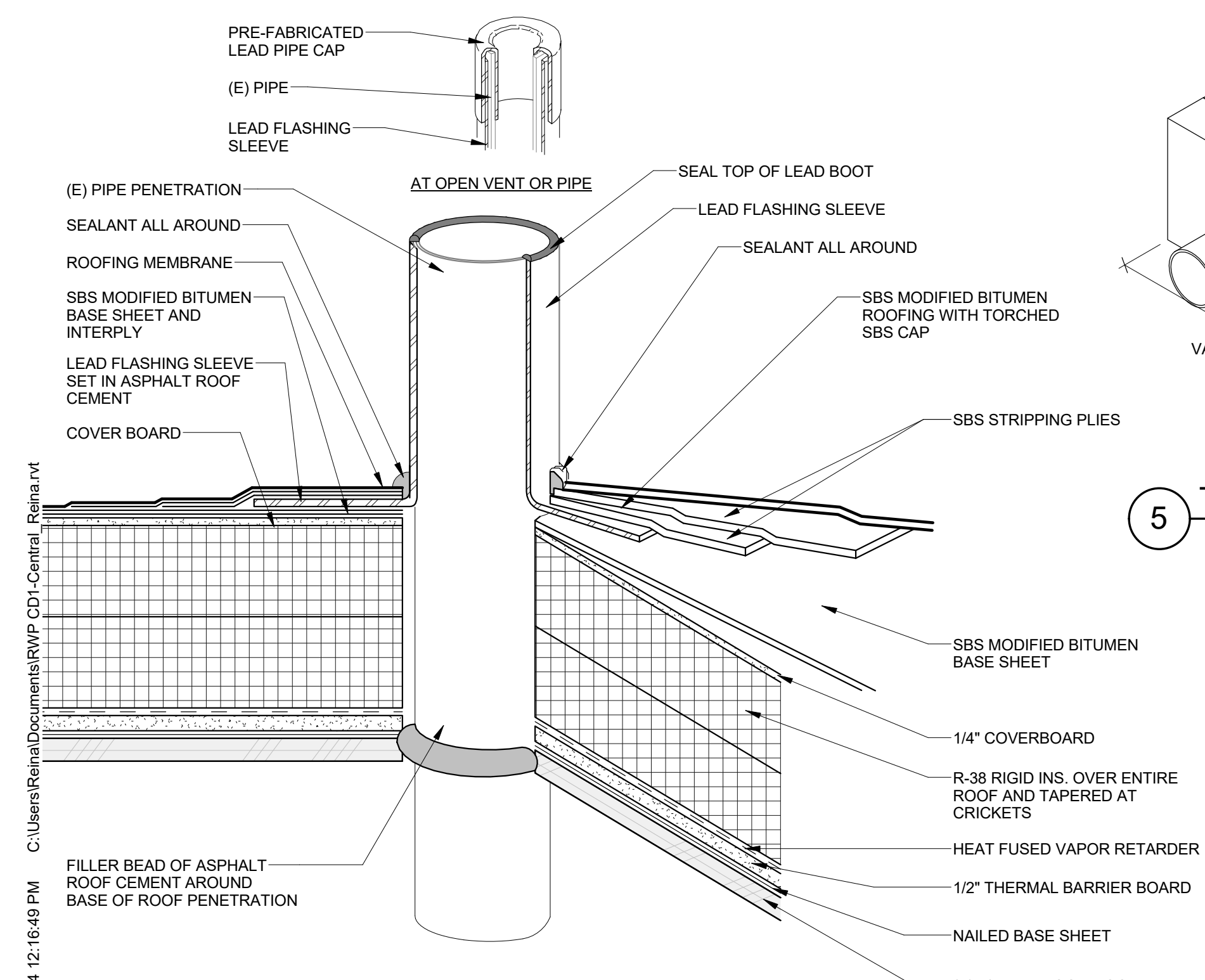
1 SECTION OF ROOF AT PARAPET
 3" = 1'-0"



6 MECH SIDING
 3" = 1'-0"



5 TYPICAL CONDUIT / PIPING SUPPORT
 3" = 1'-0"



4 PIPE VENT PENETRATION
 3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
 4/22/2024

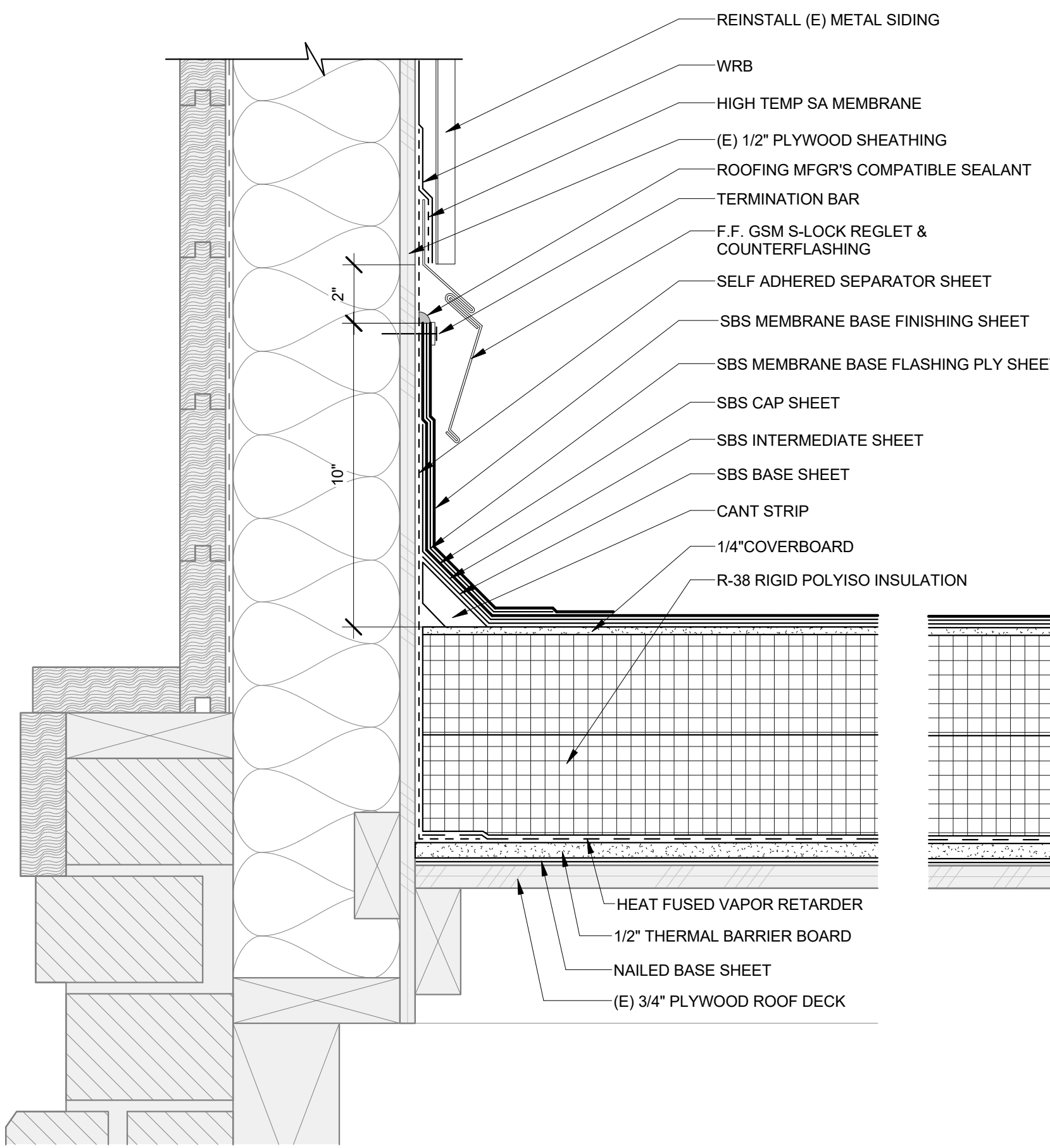
REVISIONS	
#	DATE

PROJECT ARCHITECT
 SMS
 PROJECT MANAGER
 LB
 DRAWN
 SL

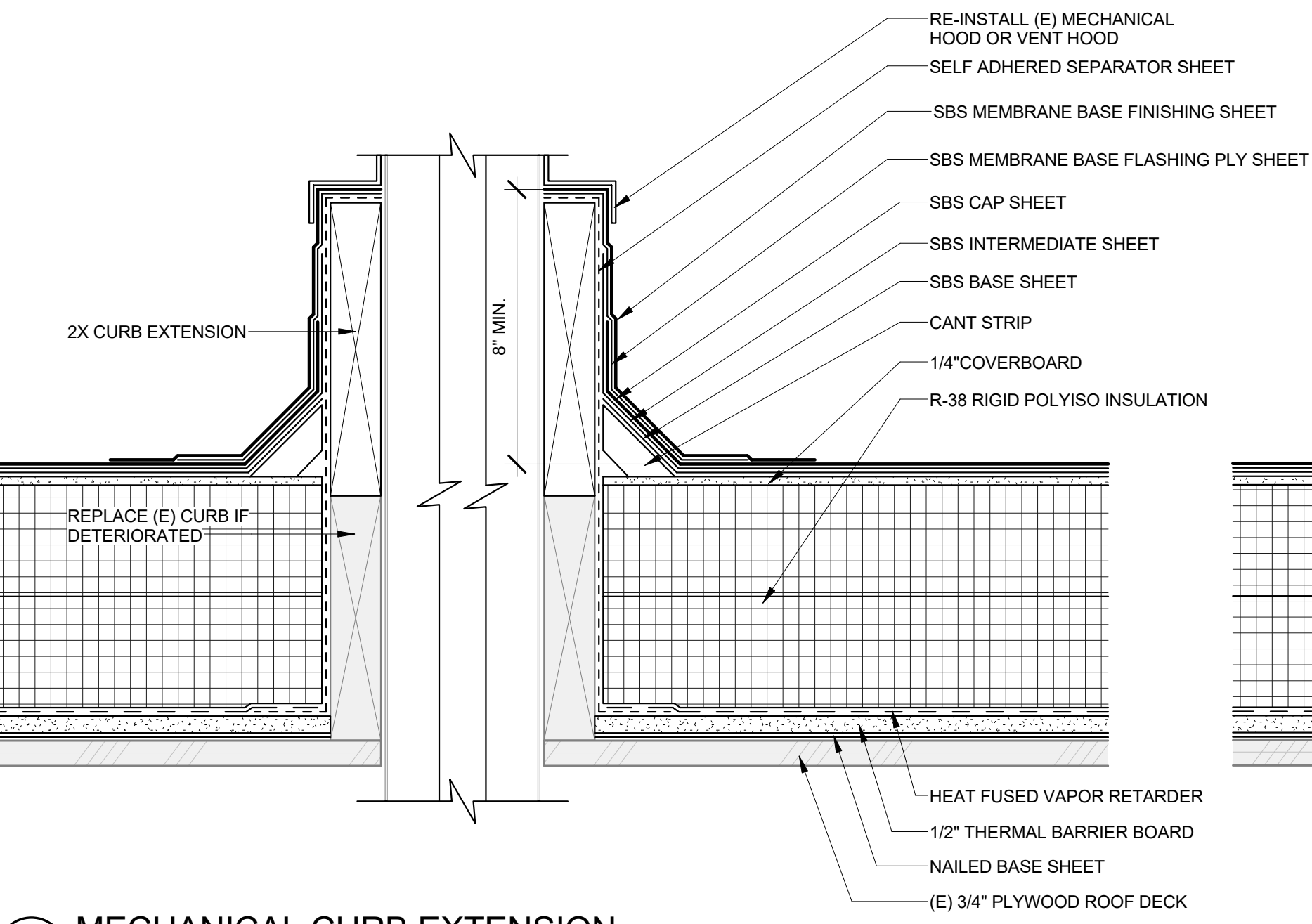
ROOF DETAILS

A-4.4
 2208

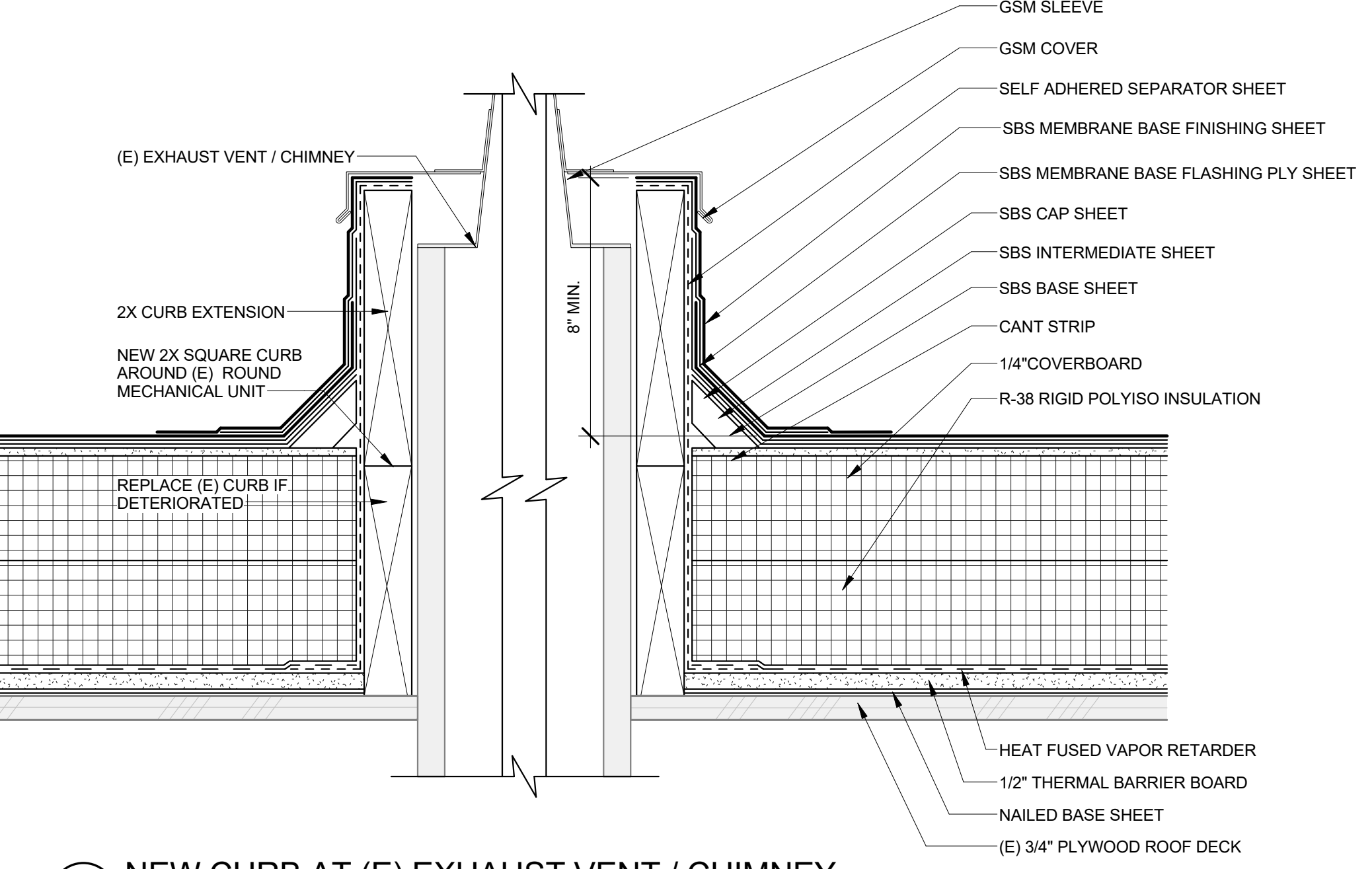
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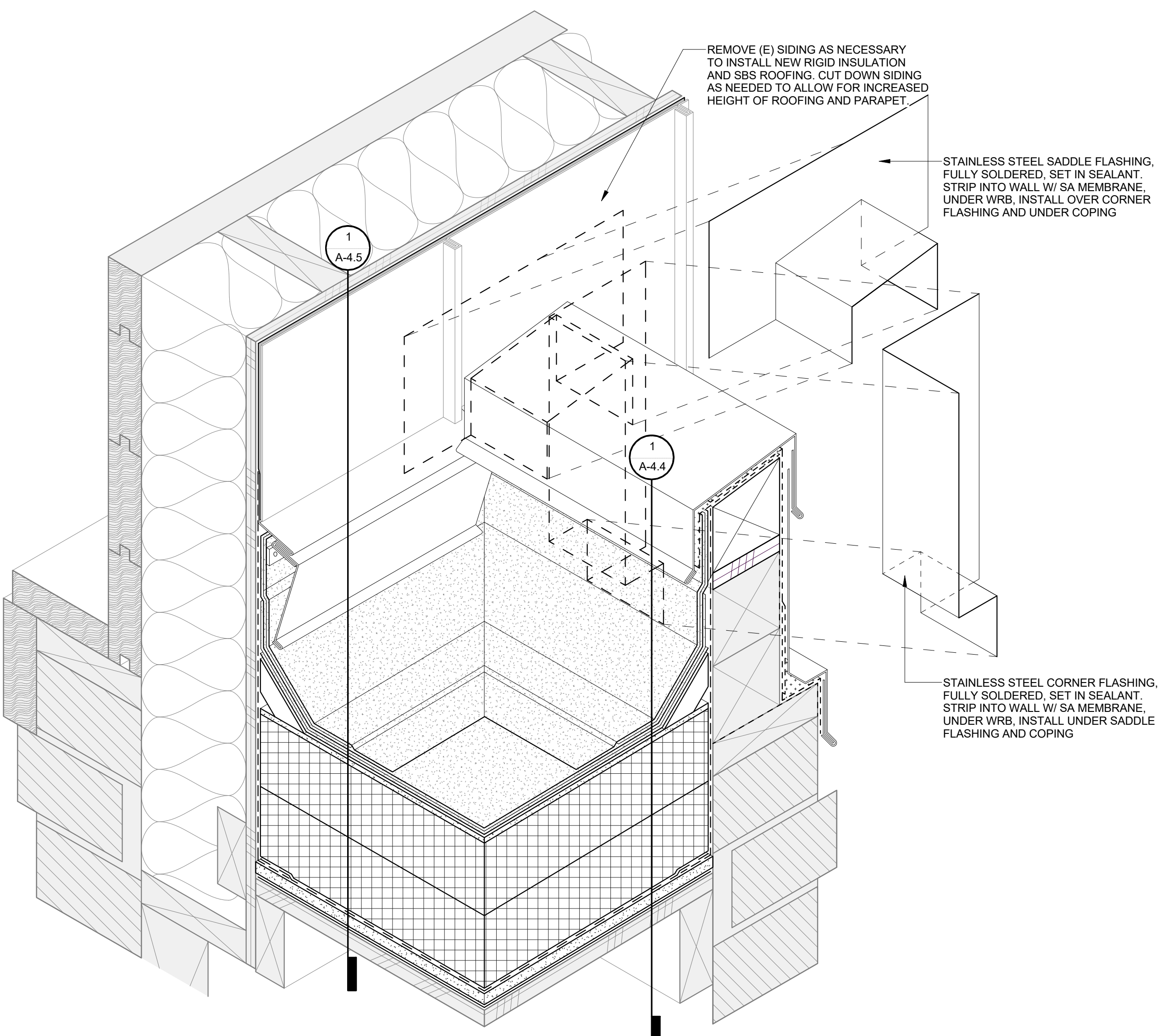
1 ROOF TO SIDE WALL AT LOBBY CLERESTORY
 3" = 1'-0"



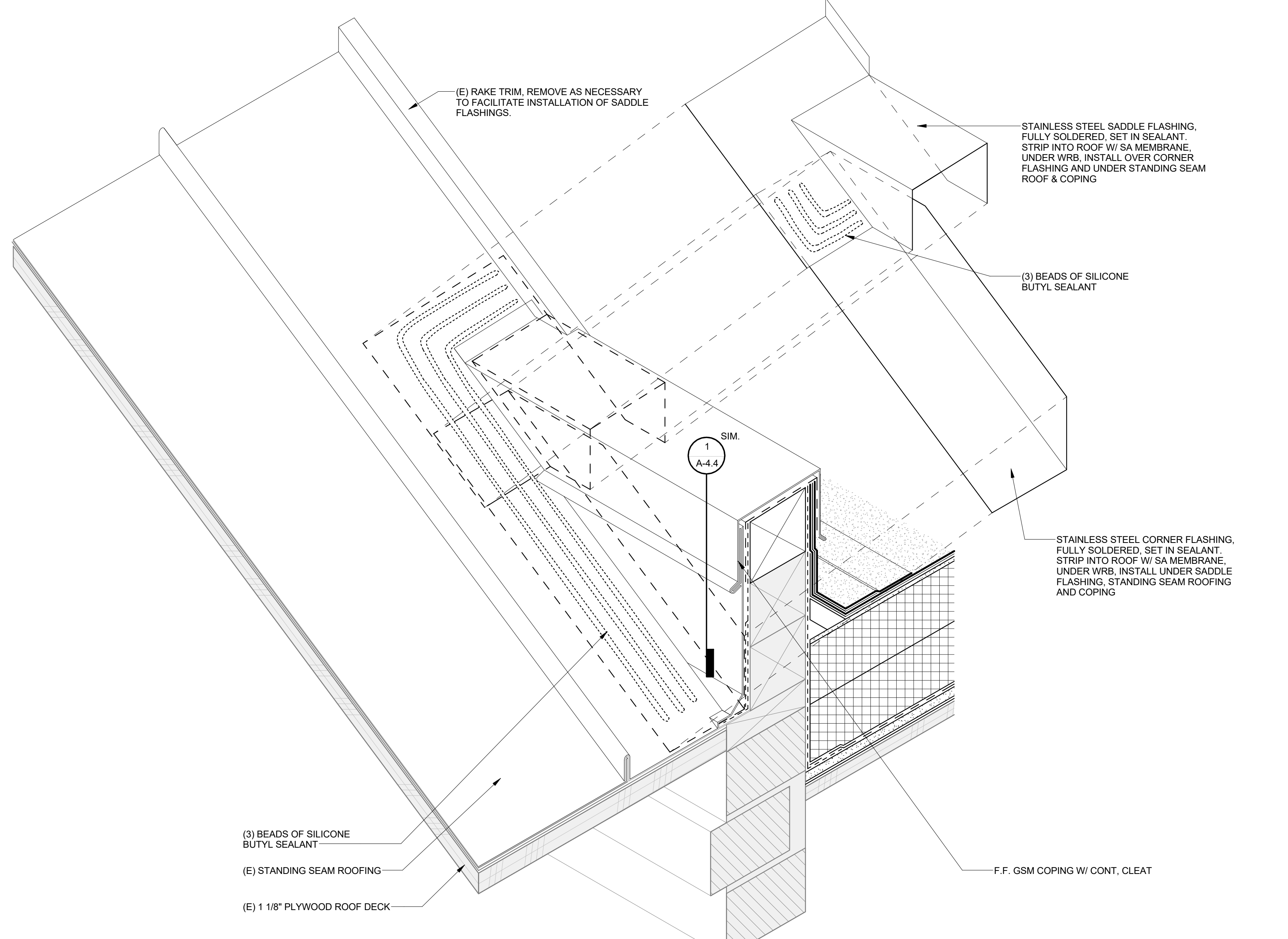
2 MECHANICAL CURB EXTENSION
 3" = 1'-0"



3 NEW CURB AT (E) EXHAUST VENT / CHIMNEY
 3" = 1'-0"



4 PARAPET TO LOBBY CLERESTORY WALL - ISO
 3" = 1'-0"



5 LOW SLOPE TO STEEP SLOPE ROOF AT GRID 10 - ISO
 3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

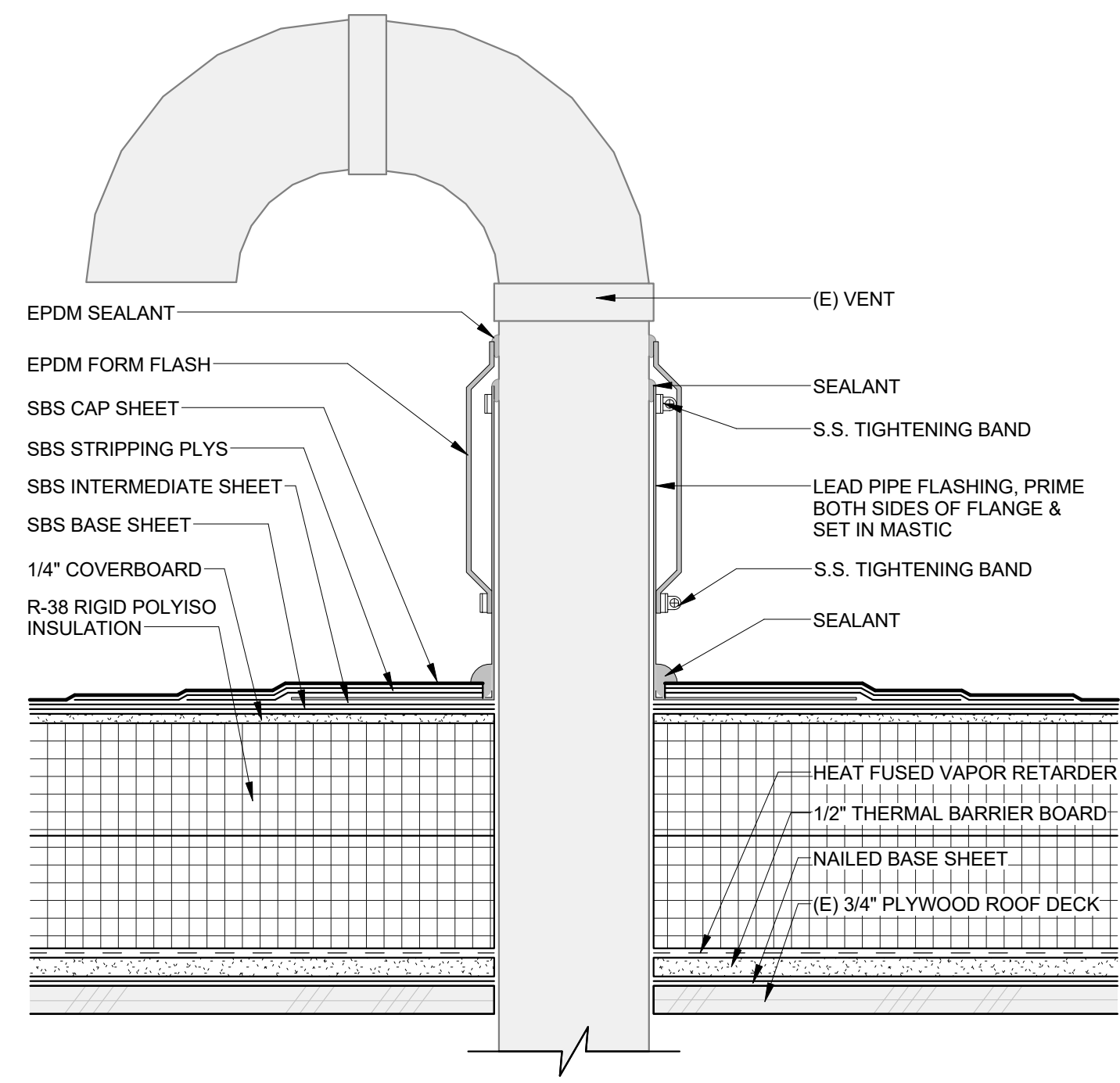
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 4/22/2024

REVISIONS	
#	DATE

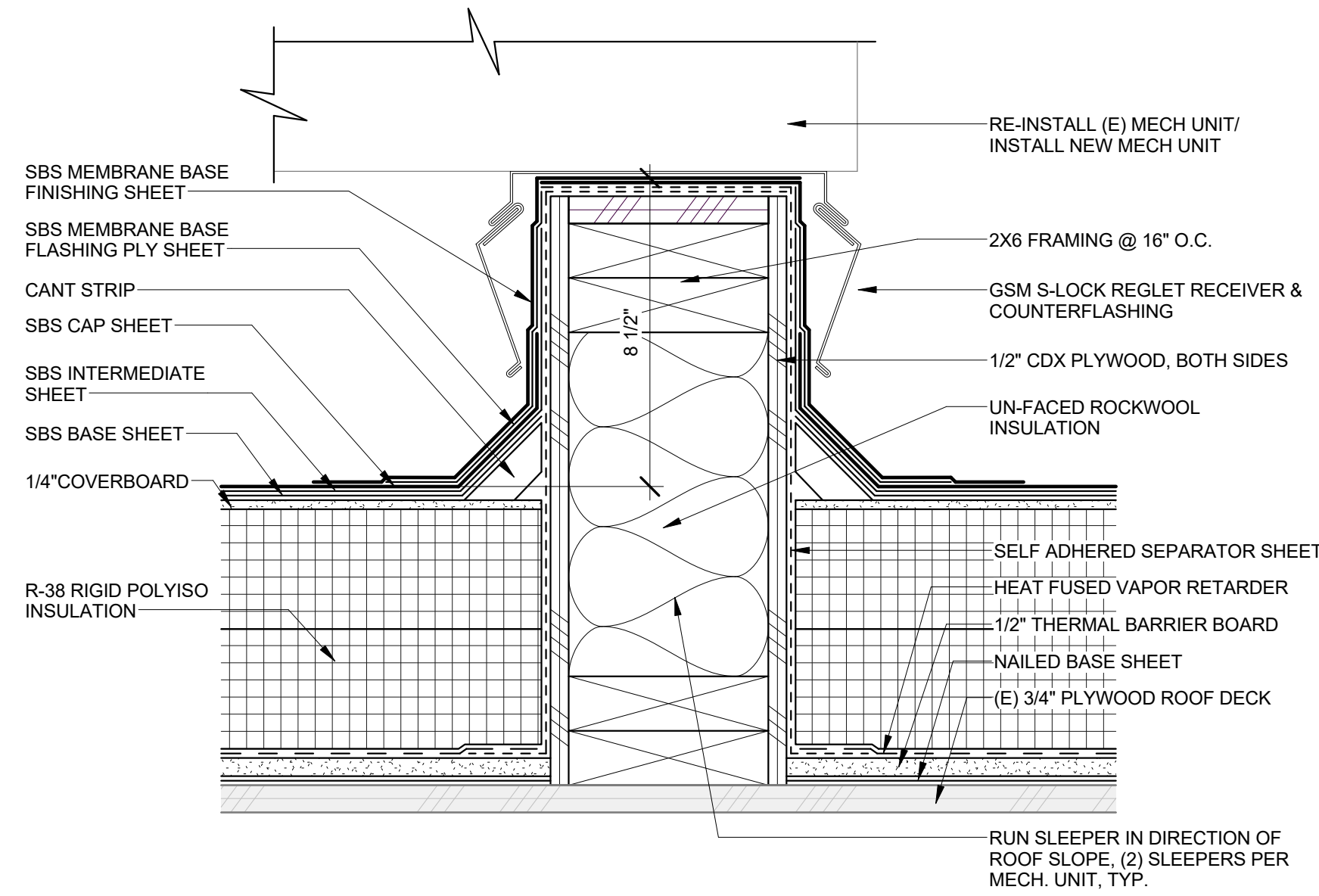
PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	SL

ROOF DETAILS

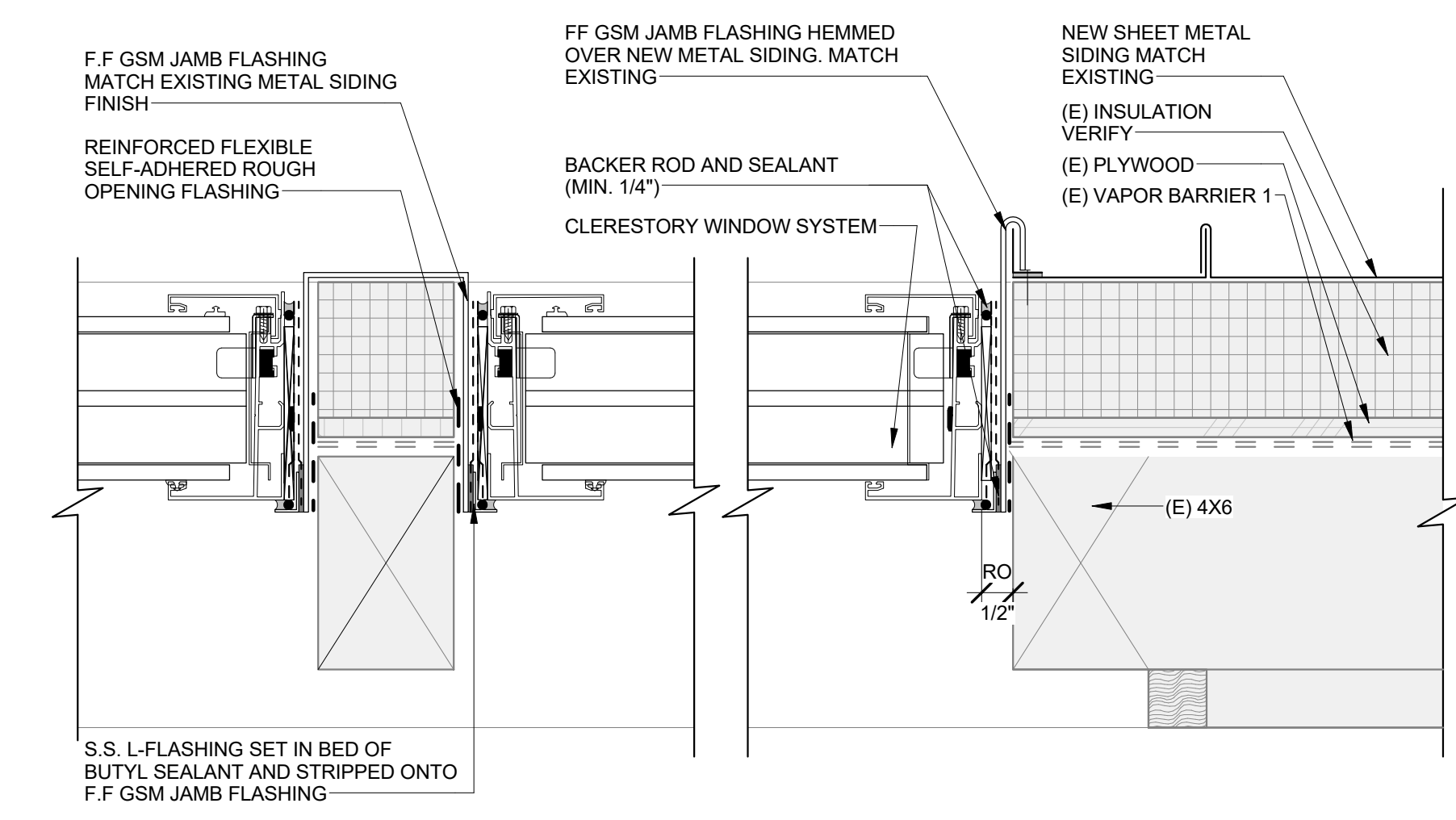
A-4.5
 2208



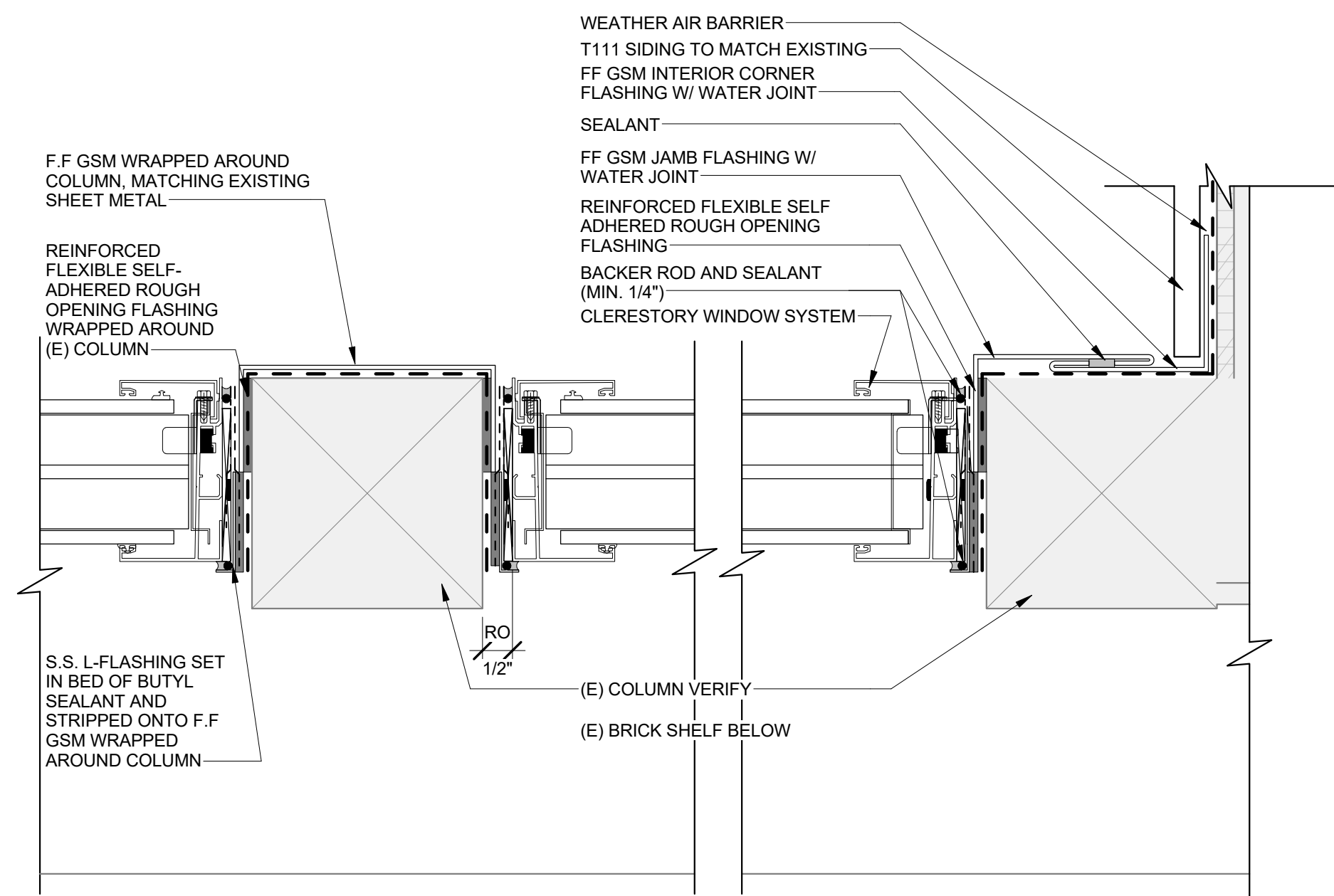
1 VENT FLASHING
 3" = 1'-0"



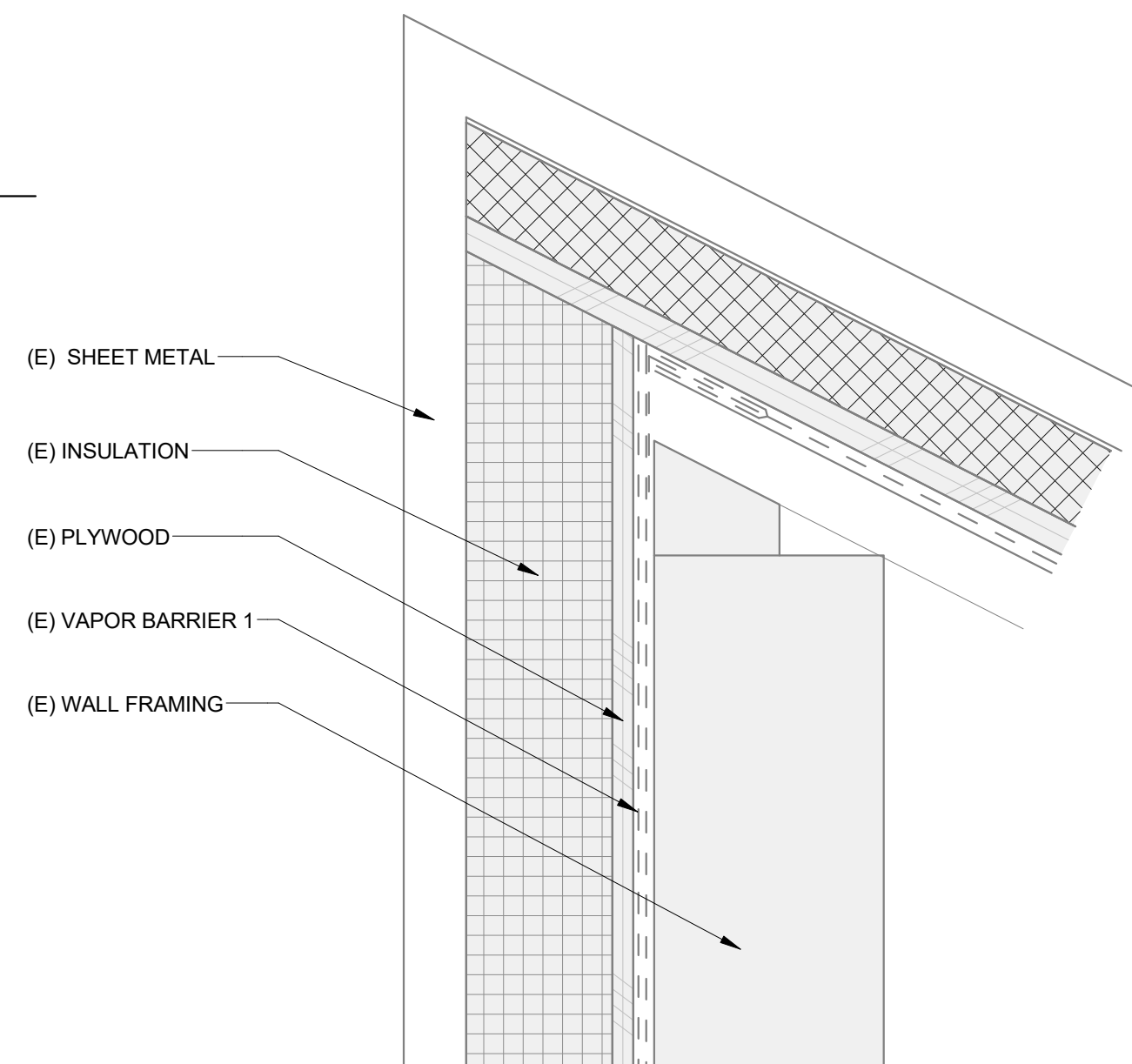
2 MECH UNIT SLEEPER
 3" = 1'-0"



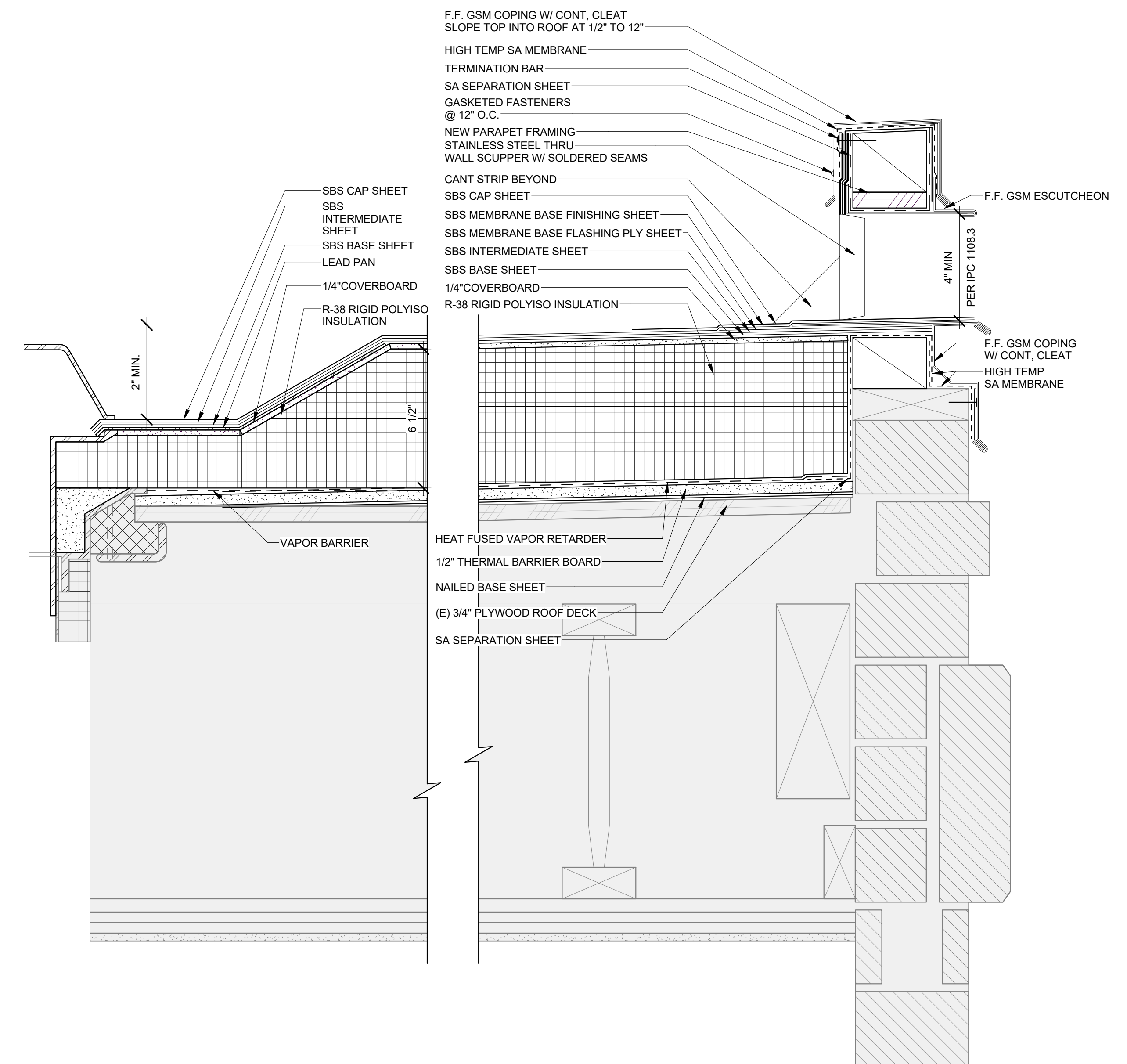
3 OFFICE 101 CLERESTORY JAMB
 3" = 1'-0"



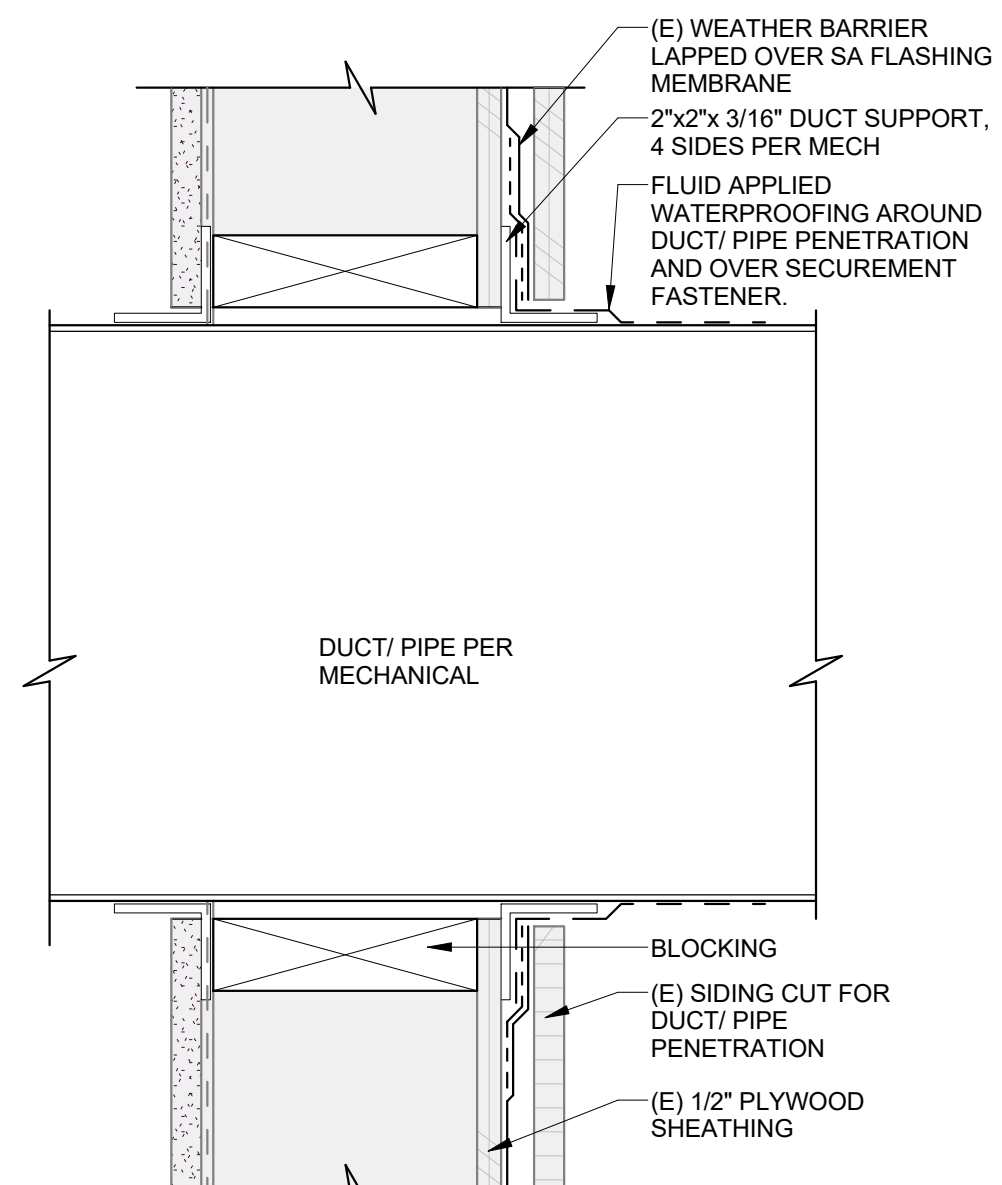
4 NANATORIUM CLERESTORY JAMB
 3" = 1'-0"



5 METAL SIDING TRANSITION
 3" = 1'-0"



6 SCUPPER AT SIDE PARAPET
 3" = 1'-0"



7 MECHANICAL WALL PENETRATION
 3" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
 4/22/2024

REVISIONS
 # DATE

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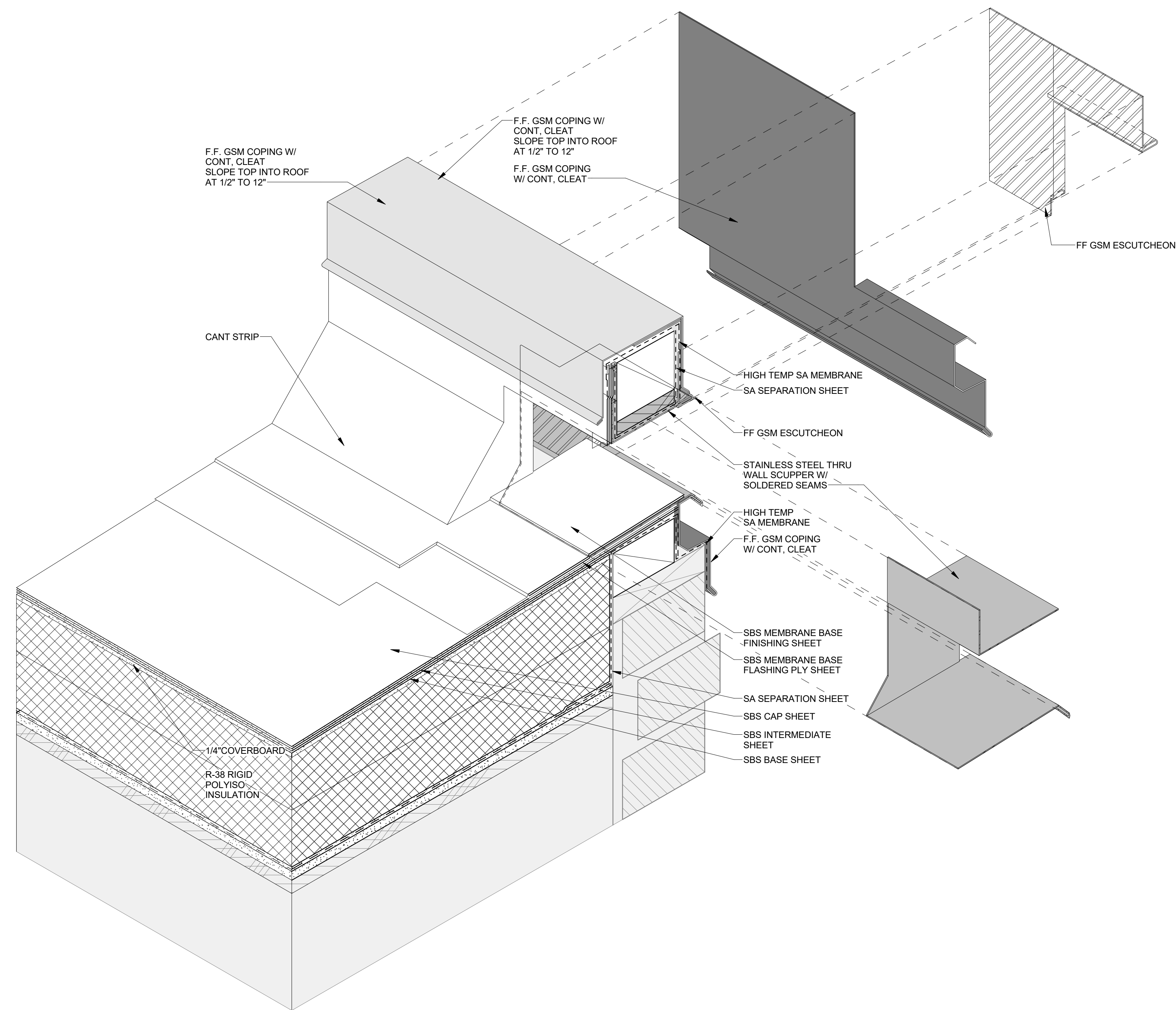
**ROOF
 DETAILS**

A-4.6

2208

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110



BID SET PHASE 1 4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

**ROOF
DETAILS**

A-4.7
2208

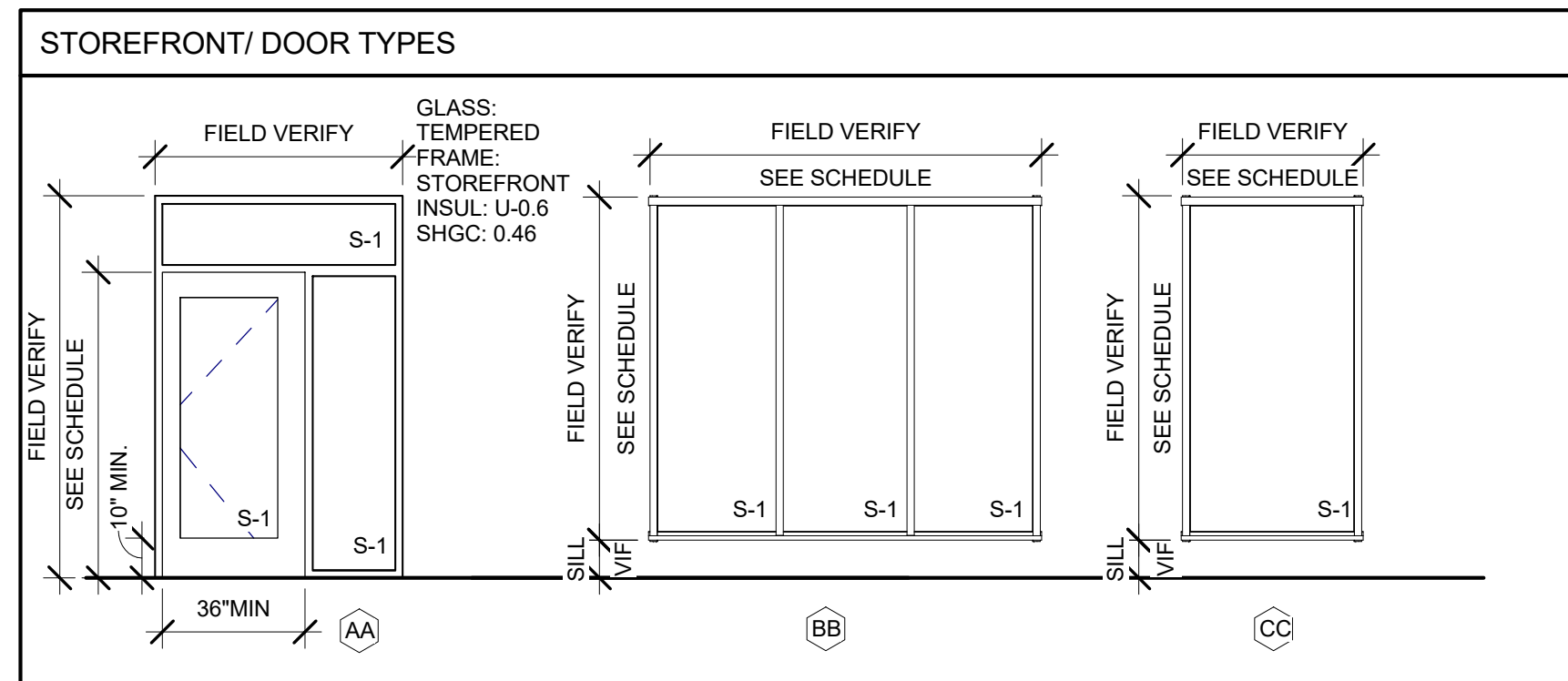
1 SCUPPER ISO
3" = 1'-0"

DOOR SCHEDULE															
DOOR NO.	ROOM	WIDTH	HEIGHT	THICKNESS	FIRE RATING	DOOR			FRAME			DETAILS			HARDWARE SET
						DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	JAMB	HEAD	SILL/ THRESHOLD	
1	CHLORINATOR	3'-0"	7'-0"	1 3/4"	1HR	A	HM	FF	A	HM	FF	4/A4.1	3/A4.1	3/A4.1	1
2	FILTER ROOM	3'-0"	7'-0"	1 3/4"		A	HM	FF	A	HM	FF	6/A4.2	5/A4.2	5/A4.2	2
3	STORAGE	3'-0"	7'-0"	1 3/4"		C	HM	FF	A	HM	FF	6/A4.2	5/A4.2	5/A4.2	2
4	OFFICE 1	3'-0"	7'-0"	1 3/4"		C	HM	FF	A	HM	FF	3/A4.2 SIM	3/A4.2 SIM	7/A4.2	3.1
5	OFFICE 2	3'-0"	7'-0"	1 3/4"		C	HM	FF	A	HM	FF	3/A4.2 SIM	3/A4.2 SIM	7/A4.2	3
6	HALL 1	3'-0"	7'-0"	1 3/4"		C	HM	FF	A	HM	FF	3/A4.2 SIM	3/A4.2 SIM	7/A4.2	3.1
7	BREAK ROOM	3'-0"	7'-0"	1 3/4"		B	HM	FF	A	HM	FF	4/A4.2 SIM	4/A4.2 SIM	7/A4.2	3
8	FILTER ROOM	3'-0"	7'-0"	1 3/4"		B	HM	FF	A	HM	FF	3/A4.2 SIM	3/A4.2 SIM	7/A4.2	2
9	COACH	3'-0"	7'-0"	1 3/4"		C	HM	FF	A	HM	FF	4/A4.2 SIM	4/A4.2 SIM	7/A4.2	3
10	REST ROOM	3'-0"	7'-0"	1 3/4"		A	HM	FF	A	HM	FF	4/A4.2 SIM	4/A4.2 SIM	7/A4.2	4
11	ELECTRICAL	3'-0"	7'-0"	1 3/4"	1HR	A	HM	FF	A	HM	FF	4/A4.2 SIM	4/A4.2 SIM	7/A4.2	5
12	FILTER ROOM	3'-0"	7'-0"	1 3/4"		A	HM	FF	A	HM	FF	3/A4.1	4/A4.1	3/A4.1	6
20	MECH	3'-0"	7'-0"	1 3/4"	1HR	A	HM	FF	A	HM	FF	3/A4.4	7/A4.4	7/A4.4	6
21	MECH	3'-0"	7'-0"	1 3/4"	1HR	A	HM	FF	A	HM	FF	3/A4.4	7/A4.4	7/A4.4	6

NOTE: SEE SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE

STOREFRONT SCHEDULE											
MARK	WIDTH	HEIGHT	COUNT	ROOM	U-VALUE	SHGC	FINISH	DETAILS			NOTES
								JAMB	HEAD	SILL/ THRESHOLD	
AA	5'-8"	8'-9"	1	OFFICE 1	0.6	0.46	FF	3 & 5/A4.0	1/A4.0	1/A4.0	RO FIELD VEIRFY
BB	9'-0"	7'-11"	2	OFFICE 1	0.34	0.46	FF	3&4/A4.0	2/A4.0	2/A4.0	RO FIELD VEIRFY
CC	4'-2"	7'-11"	2	OFFICE 1	0.34	0.46	FF	4 & 6/A4.0	2/A4.0 SIM	2/A4.0 SIM	RO FIELD VEIRFY

CLERESTORY SCHEDULE											
MARK	TYPE	WIDTH	HEIGHT	COUNT	LOCATION	U-VALUE	SHGC	JAMB	HEAD	SILL/ THRESHOLD	NOTES
2	FIXED	6'-6"		2	NATATORIUM NORTH WALL	0.26	.38	4/A4.6	4/A4.3	4/A4.3	RO FIELD VEIRFY
3	FIXED	6'-6"	4'-5"	3	NATATORIUM NORTH WALL	0.26	.51	3/A4.6	5/A4.3	5/A4.3	RO FIELD VEIRFY



- ### DOOR & HARDWARE GENERAL NOTES
- CONTRACTOR IS TO FIELD VERIFY ROUGH OPENINGS WHERE DOORS AND FRAMES ARE TO BE REPLACED.
 - PER IBC 1010.1.3 DOOR OPENING FORCE: THE FORCE OF PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15 POUND FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30 POUND FORCE. THE DOOR SHALL SWING TO A FULL OPEN POSITION WHEN SUBJECTED TO A 15 POUND FORCE.
 - PROVIDE HARDWARE FOR ALL DOORS REQUIRED TO BE ACCESSIBLE PER IBC CHAPTER 10 AND ICC A117.1
 - THE BOTTOM 10 INCHES OF ALL DOORS AND/ OR GATES SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR OR GATE TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION (ICC A117.1 404.2.9), EXCEPTION: SLIDING DOORS NOT REQUIRED TO COMPLY
 - CHANGES IN LEVEL OF 1/4" MAXIMUM IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL. CHANGES IN LEVEL GREATER THAN 1/2" IN HEIGHT AND NOT MORE THAN 1/2" MAXIMUM IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. (ICC A117.1 303.2 AND 303.3)
 - PROVIDE LEVER TYPE HANDLES, MOUNTED BETWEEN 34" MIN AND 48" MAX. AT ALL SPACES SCHEDULED TO BE ACCESSIBLE PER CODE. (ICC A117.1 404.2.6.1)
 - DOOR HARDWARE WITH MORE THAN TWO LOCKING OR LATCHING DEVICES MUST HAVE A SINGLE ACTION OPENING DEVICE. DEAD BOLT AND LEVER HANDLE MUST UNLATCH AT THE SAME TIME WITH ONE MOVEMENT.
 - DOOR CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR OR GATE TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. (ICC A117.1 404.2.7.1)
 - REFER TO SPECIFICATIONS FOR HARDWARE SETS.
 - FURNISH AND INSTALL HIGH PERFORMANCE COATING TO REFURBISHED DOORS AND FRAMES.

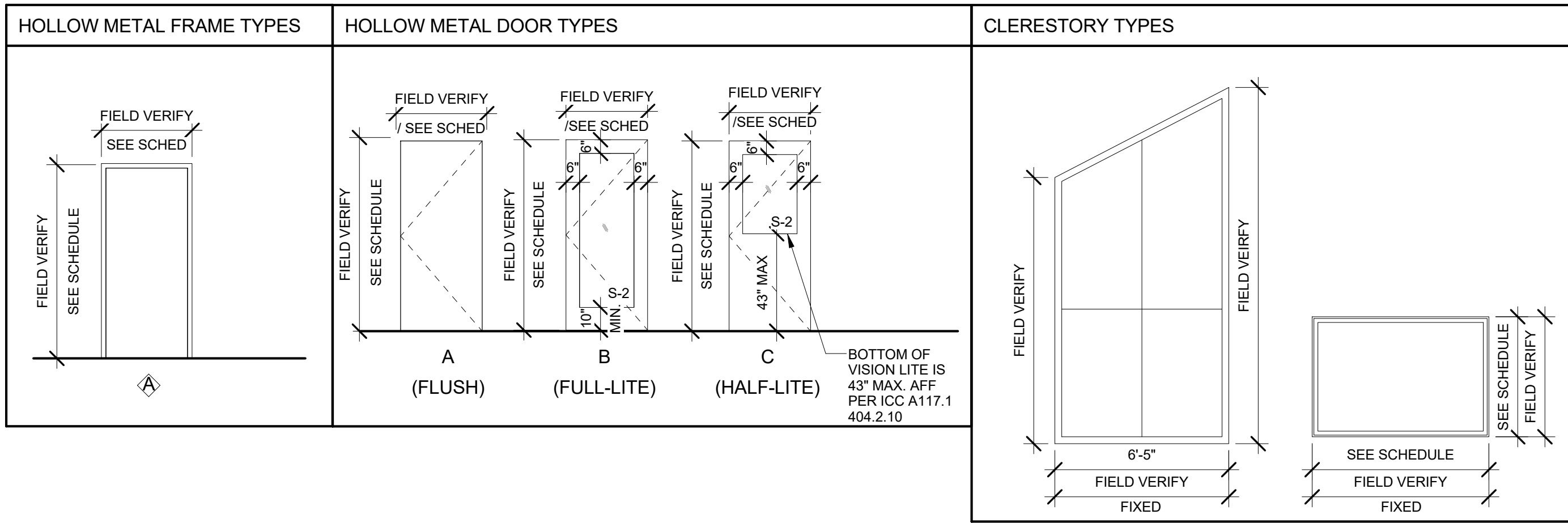
ABBREVIATIONS

AL	ALUMINUM
GL	GLASS
HM	HOLLOW METAL
FF	FACTORY FINISH
T	TEMPERED

(REFER TO SPECIFICATIONS FOR ALL MATERIALS AND FINISHES)

GLAZING TYPES

S-1	TEMPERED INSULATED GLASS
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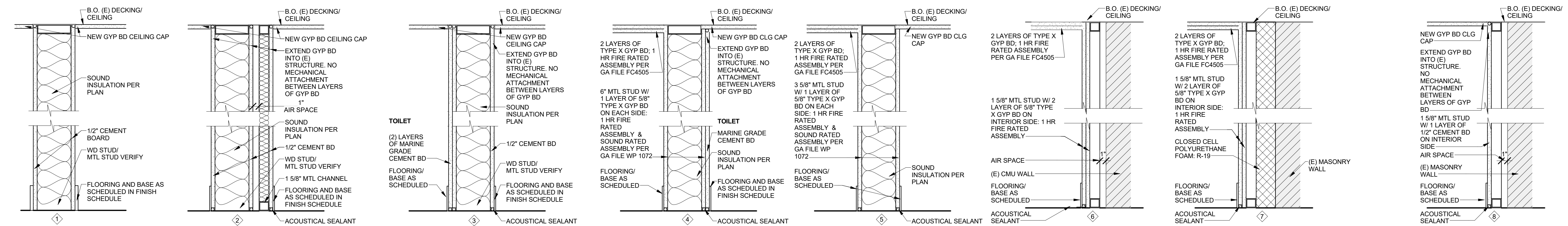
RAY WILLIAMSON POOL IMPROVEMENTS
 8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
 4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT
 SMS
 PROJECT MANAGER
 LB
 DRAWN
 RS

SCHEDULES AND WALL TYPES



1 TYPICAL NEW WALL 1 1/2" = 1'-0"
 2 SOUND PARTITON W/ FURRING 1 1/2" = 1'-0"
 3 PLUMBING SOUND PARTITION 1 1/2" = 1'-0"
 4 1HR PLUMBING WALL 1 1/2" = 1'-0"
 5 1 HR WALL 1 1/2" = 1'-0"
 6 FURRED 1HR WALL 1 1/2" = 1'-0"
 7 FURRED 1HR WALL @ EXT WALL 1 1/2" = 1'-0"
 8 INT FURRED WALL 1 1/2" = 1'-0"

A-5.0
 2208



1 (E) CRACKED CONCRETE @ (E) SIDEWALK

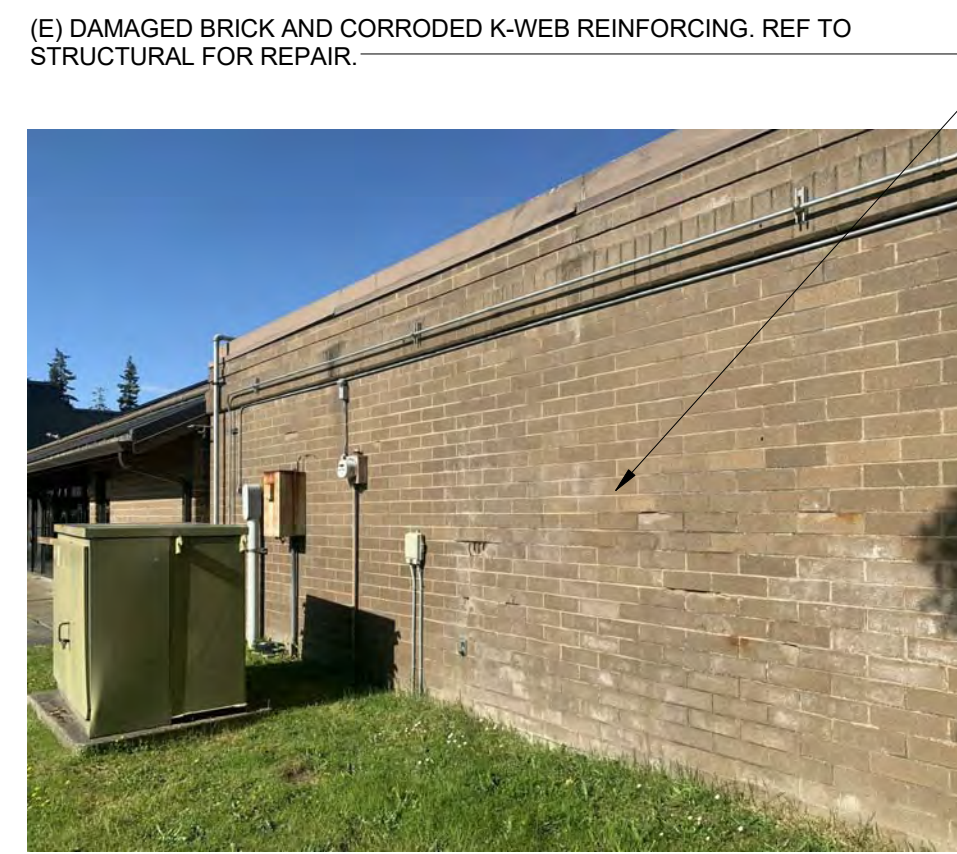


2 (E) SPALLED BRICK, TYPICAL

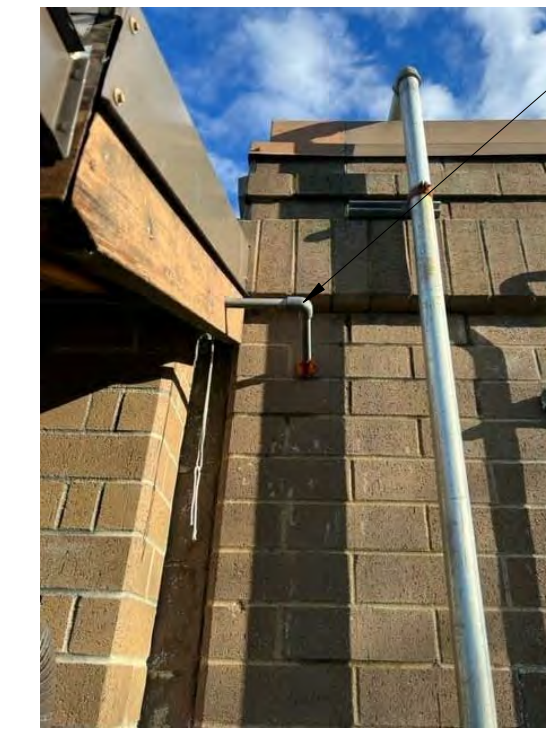
NOTE: THIS SHEET IS FOR REFERENCE ONLY



3 (E) AWNING & GUTTER
1/4" = 1'-0"



4 (E) BRICK FACADE
1/4" = 1'-0"



5 (E) CHLORINE PIPE-CAUTION!
1/4" = 1'-0"



7 (E) LOBBY STOREFRONT
1/4" = 1'-0"



8 (E) ROOF CLERESTORIES
1/4" = 1'-0"



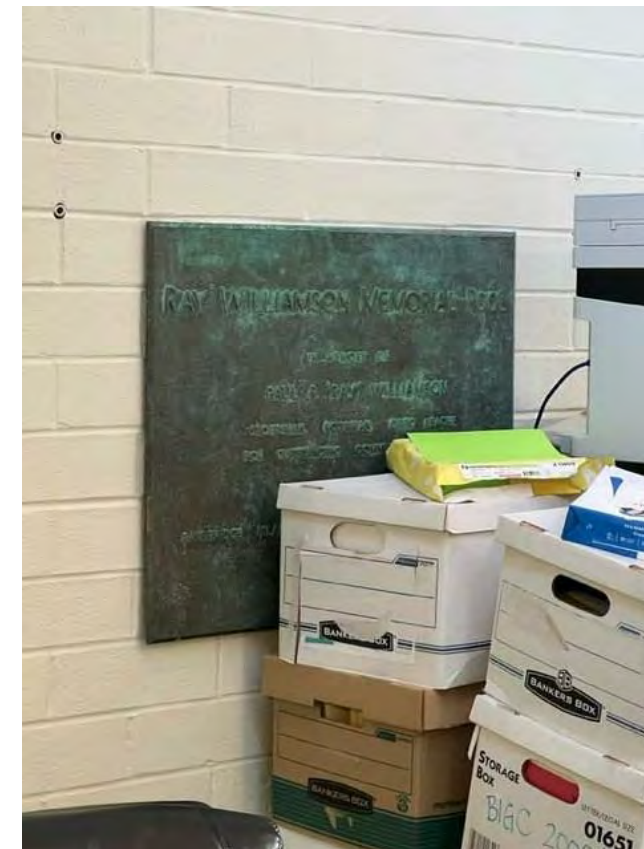
9 (E) CHIMNEY & COPING
1/4" = 1'-0"



10 (E) MECH PENTHOUSE DOOR/ SIDING
1/4" = 1'-0"



11 (E) ROOF DRAIN
1/4" = 1'-0"



12 (E) PLAQUE
1/4" = 1'-0"



13 (E) ARCHED COLUMN BASE



15 (E) STORAGE DOOR JAMB



16 (E) INTERIOR DOOR
1/4" = 1'-0"

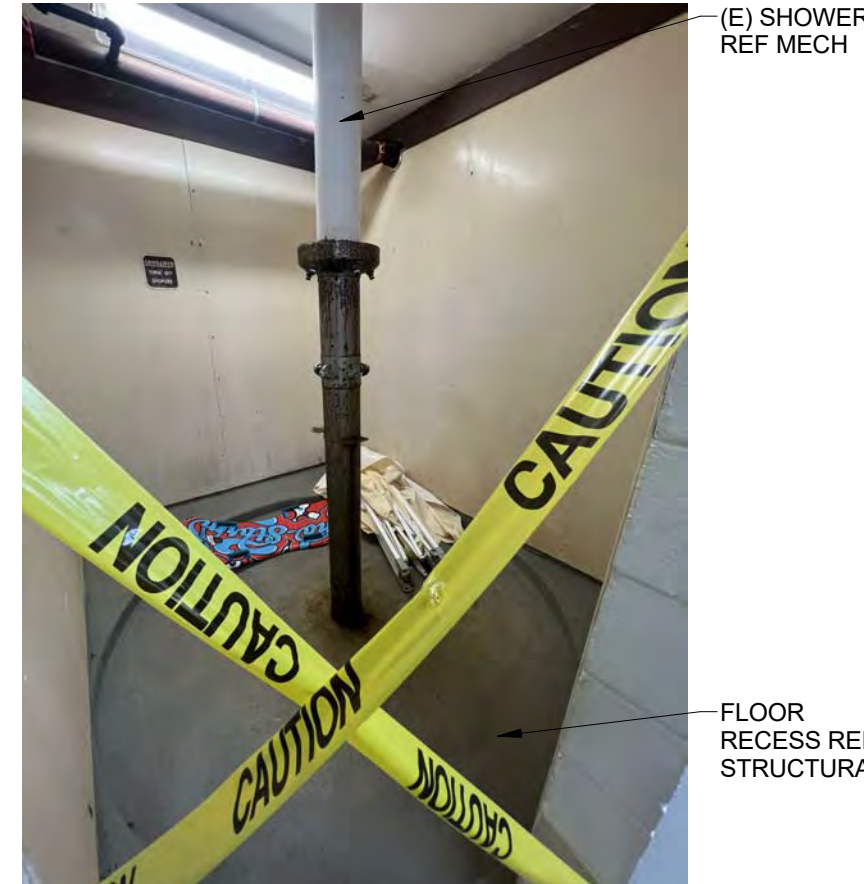
REMOVE/
REPLACE (E)
CORRODED
DOOR
HARDWARE.
REF DOOR
SCHEDULE



17 (E) ELECTRICAL PANEL
1/4" = 1'-0"



18 (E) CORRODED PLUMBING PIPES
1/4" = 1'-0"



19 (E) LOCKER ROOM SHOWER

(E) SHOWER
REF MECH

FLOOR
RECESS REF
STRUCTURAL



20 (E) LOCKER ROOM CASEWORK
1/4" = 1'-0"

REMOVE (E) COAT HOOK

REMOVE (E)
LOCKER AND
BRICK BASE

REMOVE (E)
BENCH AND
SUPPORT
BRACKETS



21 (E) FILTER ROOM
1/4" = 1'-0"

REVISIONS	
#	DATE

PROJECT ARCHITECT	SMS
PROJECT MANAGER	LB
DRAWN	RS

REFERENCE PHOTOS

NUMBER	ROOM NAME	FLOOR	BASE	FINISH SCHEDULE											
				NORTH		EAST		SOUTH		WEST		CEILING		NOTES	
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
01	BASEMENT	(E) CONC.	N/A	(E) CONC	N/A	(E) CONC	N/A	(E) CONC	N/A	(E) CONC	N/A	(E) CONC	N/A		
101	OFFICE 1	RUBBER FLOOR	RUBBER	(E) CMU/ (E) GWB	PAINT:P-1	(E) BRICK/ (E) GWB	(E) PAINT	(E) BRICK/ (E) GWB	(E) PAINT	(E) BRICK/ (E) GWB	(E) PAINT	(E) GWB	PAINT:P-1		
102	COACH	RUBBER FLOOR	RUBBER	(E) BRICK	(E) PAINT	(E) BRICK	(E) PAINT	GWB	PAINT:P-1	GWB	PAINT:P-1	GWB	PAINT:P-1		
103	COACH	RUBBER FLOOR	RUBBER	(E) BRICK	(E) PAINT	GYP BD	PAINT:P-1	(E) GWB	(E) PAINT	(E) BRICK	(E) PAINT	GWB	PAINT:P-1		
104	BREAK ROOM	RUBBER FLOOR	RUBBER	(E) CMU/ (E) BRICK	N/A/ (E) PAINT	(E) BRICK	N/A	(E) BRICK	N/A	GWB	PAINT:P-1	GWB	PAINT:P-1		
105	REST ROOM	SEALED CONCRETE	RUBBER	GWB	PAINT:P-1	GWB	PAINT:P-2	GWB	PAINT:P-1	GWB	PAINT:P-1	GWB	PAINT:P-1		
106	ELECTRICAL	(E) CONC.	RUBBER	GWB	PAINT: P-1	GWB	PAINT: P-1	GWB	PAINT: P-1	GWB	PAINT: P-1	GWB	PAINT: P-1		
107	STORAGE	(E) CONC.	RUBBER	(E) BRICK	(E) PAINT/ NA	(E) BRICK	(E) PAINT	(E) CMU	(E) PAINT	(E) BRICK	N/A	2x4 ACT	FACTORY FINISH		
108	STORAGE	(E) CONC.	N/A	(E) CMU	(E) PAINT	(E) CMU	(E) PAINT	(E) CMU	(E) PAINT	(E) CMU	(E) PAINT	N/A	N/A		
109	STORAGE	(E) CONC.	N/A	(E) CMU	(E) PAINT	(E) CMU	(E) PAINT	(E) CMU	(E) PAINT	(E) CMU	(E) PAINT	N/A	N/A		
110	NATATORIUM	(E) CONC.	N/A	(E) CMU/ (E) GWB	(E) PAINT	(E) CMU/ (E) GWB	(E) PAINT	(E) BRICK	(E) PAINT	(E) CMU	(E) PAINT	(E) WD SOFFIT	(E) STAIN		
111	POOL	EXISTING	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(E) WD SOFFIT	(E) STAIN		
112	ANNOUNCER	EXISTING	N/A	(E) GWB	(E) PAINT	(E) GYP BD	(E) PAINT	(E) GWB	(E) PAINT	(E) GWB	(E) PAINT	(E) GWB	(E) PAINT		
113	FILTER ROOM	(E) CONC.	N/A	(E) BRICK	N/A	(E) BRICK/ (E) GWB	N/A/ (E) PAINT	(E) CMU/ (E) GWB	N/A/ (E) PAINT	(E) CMU	N/A	(E) GWB	(E) PAINT		
115	FILTER ROOM	(E) CONC.	N/A	(E) CMU W/ TILE	(E) FINISH	(E) BRICK	N/A	(E) BRICK	N/A	(E) BRICK/ GWB	PAINT:P-1	GWB	PAINT:P-1		
116	OFFICE 2	RUBBER FLOOR	RUBBER	(E) BRICK	N/A	GYP BD	PAINT:P-1	(E) BRICK	N/A	(E) BRICK	N/A	(E) GWB	PAINT:P-1		
119	HALL 1	RUBBER FLOOR	RUBBER	(E) GWB	(E) PAINT	(E) CMU/ (E) GWB	(E) PAINT	(E) CMU/ (E) GWB	(E) PAINT	(E) BRICK	(E) PAINT	GWB	PAINT:P-1		
120	HALL 2	RUBBER FLOOR	RUBBER	GWB	PAINT:P-1	(E) BRICK	N/A	(E) BRICK	N/A	GWB	PAINT:P-1	GWB	PAINT:P-1		
121	HALL 3	RUBBER FLOOR	RUBBER	GWB	PAINT:P-1	(E) BRICK	N/A	(E) BRICK	N/A	(E) BRICK	(E) PAINT	GWB	PAINT:P-1		

FINISH PLAN GRAPHIC LEGEND

EXISTING CONSTRUCTION
NEW WORK
KEYNOTE
NEW POOL DECK
POOL DECK PERIMETER TILE
NIC

Room name
ROOM NAME
ROOM NUMBER

PLASTIC LAMINATE /SOLID SURFACE:
PL-# VERTICAL SURF S-# HORIZ SURF
PL-1: TYPICAL VERTICAL FACE OF BASE AND UPPER CABINETS:
- WILSONART HANDSPUN SLATE 6038
S-1: QUARTS COUNTERTOP INCLUDING BACK/SIDE SPLASH
- CORIAN DESIGN: CLOUD WHITE
PL-3: HIGH PRESSURE LAMINATE, TOILET PARTITION:
- SCRANTON-HINY HINDERS PARTITION. COLOR: STAINLESS
TEXTURE: HAMMERED

CABINET INTERIORS: MELAMINE, COLOR: WHITE, TYP.

WALL PAINT COLORS:
P-# MANUF. COLORS, SEE SPECIFICATION FOR TYPE AND APP
P-1: TYPICAL WALL AND GYP BD CLG.
UNO, BENJAMIN MOORE 2110-60 BARREN PLAIN
P-2: RESTROOM ACCENT WALL
BENJAMIN MOORE 2055-20 PACIFIC OCEAN BLUE
P-3: OFFICE 101 COLUMN
BENJAMIN MOORE TBD

FLOORING
RF-1: RECYCLED RUBBER FLOORING: ECO NIGHTS 601 MR. SLATE 20
SC: SEALED CONCRETE

BASE MATERIAL:
TYPICAL RUBBER BASE,JOHNSONITE, 4" H TRADITIONAL COVE BASE,
ROLL INSTALLATION, RUBBER, TBD

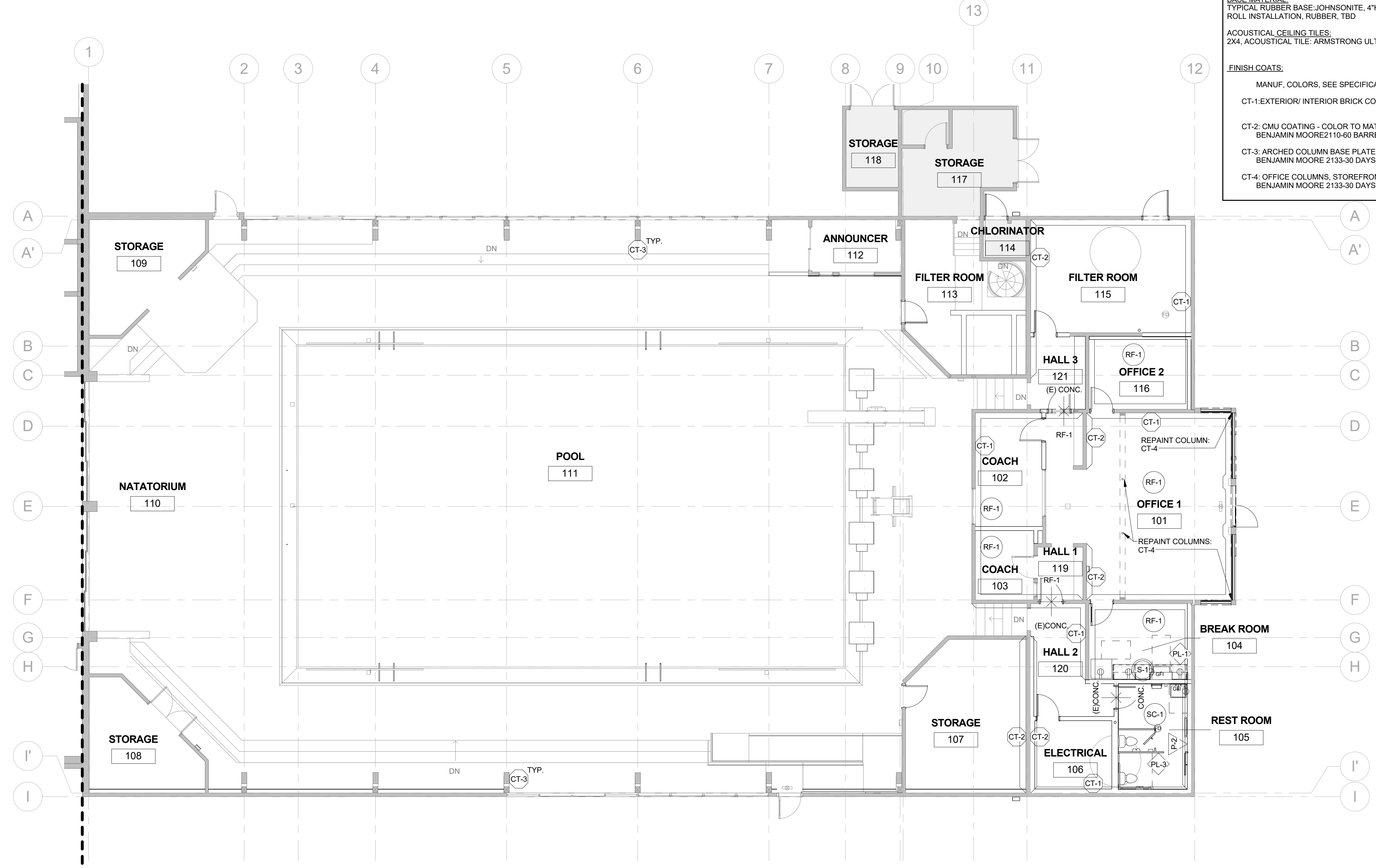
ACOUSTICAL CEILING TILES:
2X4, ACOUSTICAL TILE: ARMSTRONG ULTIMA WITH AIR GUARD COATING

FINISH COATS:
MANUF. COLORS, SEE SPECIFICATION FOR TYPE AND APP
CT-1: EXTERIOR/ INTERIOR BRICK COATING, CLEAR, TYP.
CT-2: CMU COATING - COLOR TO MATCH
BENJAMIN MOORE 2110-60 BARREN PLAIN
CT-3: ARCHED COLUMN BASE PLATE COATING
BENJAMIN MOORE 2133-30 DAYS END
CT-4: OFFICE COLUMNS, STOREFRONT COLUMN, AND SPRINKLER PIPE COATING
BENJAMIN MOORE 2133-30 DAYS END

ABBREVIATIONS

CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CPT	CARPET TILE
(E)	EXISTING
GWB	GYPSUM WALL BOARD
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
RB	RUBBER BASE
WD	WOOD

(REFER TO SPECIFICATIONS FOR ALL MATERIALS AND FINISHES)



RAY WILLIAMSON POOL IMPROVEMENTS
8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1
4/22/2024

REVISIONS	
#	DATE

PROJECT ARCHITECT
SMS
PROJECT MANAGER
LB
DRAWN
RS

**FINISH PLAN/
SCHEDULE**

A-7.0
2208

1 FINISH PLAN
1/8" = 1'-0"

STRUCTURAL GENERAL NOTES

TYPICAL DETAILS AND THESE NOTES SHALL APPLY UNLESS NOTED OTHERWISE ON THE DRAWINGS.

USE OF DRAWINGS

USE OF DRAWINGS AND COORDINATION: USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL AND OTHER DRAWINGS FOR BIDDING AND CONSTRUCTION. COORDINATE WORK AND VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY BETWEEN TRADES. NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES PRIOR TO CONSTRUCTION.

DRAWING SCALE: NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS - DO NOT SCALE DRAWINGS.

DIMENSION VERIFICATION: DIMENSIONS NOTED PLUS OR MINUS (+/-) INDICATE UN-VERIFIED DIMENSIONS THAT REQUIRE CONFIRMATION OR DETERMINATION BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF CONFLICTS OR VARIATIONS FROM INDICATED DIMENSIONS.

NOTE CONFLICTS: IF ANY STRUCTURAL NOTES ARE IN CONFLICT WITH EACH OTHER ARCHITECTURAL AND OTHER DRAWINGS, OR THE SPECIFICATIONS, USE THE MOST STRINGENT REQUIREMENT FOR BIDDING AND CONSTRUCTING THE WORK.

EXISTING CONDITIONS: INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.

ORIGINAL DRAWINGS: "THE ORIGINAL INDOOR". OUTDOOR SWIMMING POOL DRAWINGS FOR BAINBRIDGE ISLAND PARKS AND RECREATION DISTRICT WERE PREPARED BY OLSON-RICHERT-BIGNOLD ARCHITECTS CIRCA 1970. COPIES ARE AVAILABLE FOR CONTRACTOR REFERENCE.

DESIGN AND CONSTRUCTION CRITERIA

EXISTING BUILDING: THE EXISTING BUILDING WILL BE MODIFIED AS PART OF THE PROJECT. SEISMIC RENOVATION OF THE BUILDING IS NOT REQUIRED.

GOVERNING BUILDING CODE: DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, AS AMENDED BY **THE CITY OF BAINBRIDGE ISLAND**. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS REFERENCED BY THE BUILDING CODE. IN CASE OF CONFLICTING REQUIREMENTS, THE BUILDING CODE SHALL GOVERN.

PRIMARY REFERENCE STANDARDS: (USE VERSION REFERENCED BY GOVERNING CODE. IF NOT REFERENCED BY GOVERNING CODE, USE LATEST EDITION)

ASCE MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7

ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASCE SEISMIC REHABILITATION OF EXISTING BUILDINGS, ASCE 41

ICC INTERNATIONAL CODE COUNCIL

DESIGN LOADS:

IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS WERE USED FOR DESIGN:

LIVE LOADS:
CORRIDORS, STAIRS, 100 PSF
EXIT FACILITIES 100 PSF
POOL DECK SLAB 100 PSF

MEANS AND METHODS

MEANS AND METHODS: THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS AND THE METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED FOR SAFELY CONSTRUCTING ALL WORK.

JOBSITE SAFETY: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK IN A MANNER THAT PROVIDES FOR THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST INJURY AND DAMAGE DUE TO FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH CONSTRUCTING THE WORK.

CONSTRUCTION LOADING: THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE STRUCTURE DURING CONSTRUCTION. WHERE CONSTRUCTION SEQUENCING AND STAGING ARE LIKELY TO CREATE OVERLOADING, THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER TO DETERMINE HOW TO TEMPORARILY SHORE AND SUPPORT THE OVERLOADED ELEMENTS IN A MANNER THAT DOES NOT EXCEED THE STRESS LIMITS OF THE ELEMENTS AND THE SUPPORTING FOUNDATION AS DEFINED BY THE APPLICABLE BUILDING CODES.

SUBMITTALS

SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE BY THE OWNER'S REPRESENTATIVE AND ENGINEER-OF-RECORD PRIOR TO ANY FABRICATION OR CONSTRUCTION. DIMENSION AND QUANTITY VERIFICATION ARE THE CONTRACTOR'S RESPONSIBILITIES AND ARE NOT REVIEWED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY THE ENGINEER OF RECORD. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED, EITHER PRIOR TO OR AFTER THE ENGINEER PROCESSES THE SHOP DRAWING SUBMITTALS, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

REQUIRED SUBMITTALS:

REQUIRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- CONCRETE MIX DESIGNS
- CONCRETE REINFORCEMENT
- MASONRY GROUT, BLOCK AND REINFORCEMENT
- STEEL EMBEDMENTS IN CONCRETE
- METAL GRATING
- CONCRETE REPAIR MORTARS
- GALVANIC ANODES
- CORROSION INHIBITER TREATMENT

CONTRACTOR COORDINATION

OPENING COORDINATION: COORDINATE THE LOCATIONS OF ROOF, FLOOR AND WALL OPENINGS WITH THE STRUCTURAL FRAMING TRADES REQUIRING THEM. OPENINGS LARGER THAN 24" X 24" SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER TO DETERMINE POTENTIAL IMPACTS ON THE FRAMING. ANY EQUIPMENT WEIGHING MORE THAN 300 LBS SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER TO DETERMINE POTENTIAL IMPACTS ON THE FRAMING.

FOUNDATION

EXCAVATION: CONTRACTOR SHALL CONFIRM THE ASBUILT LOCATION OF ANY POTENTIAL NEW OR EXISTING UTILITIES, STRUCTURES OR OBJECTS WITHIN THE ZONE OF EXCAVATION INCLUDING WORK PERFORMED AS A PORTION OF THIS PROJECT BEFORE EXCAVATING OR INSTALLING FOUNDATION ELEMENTS.

CONCRETE

REFERENCE STANDARDS: (USE VERSION REFERENCED BY GOVERNING CODE. IF NOT REFERENCED BY GOVERNING CODE, USE LATEST EDITION)

ACI AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318

AWS AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE - REINFORCING STEEL, AWS D1.4

CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH IBC SECTION 1905 AND ACI 301.

MIX DESIGNS: MIX DESIGNS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE AND STRUCTURAL ENGINEER FOR ACCEPTANCE TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE MAXIMUM WATER-CEMENT RATIO AND SLUMP SHALL BE AS SHOWN IN TABLE 1 FOR VARIOUS CONCRETE STRENGTHS (f_c) BASED ON STANDARD 28-DAY CYLINDER TESTS.

TABLE 1: CONCRETE MIX DESIGN								
AREA	MIN F _c (PSI)	MAX W/C	ENTRAINED AIR	FLY ASH	MAXIMUM AGGREGATE	EXPOSURE CLASS	REQUIRED ADDITIVES	PERFORMANCE REQUIREMENTS
ALL CONCRETE, UON	4,500	0.42	5%	25%	3/4"	F2	-	-

* WATERTIGHT REFERS TO LESS THAN 1% ABSORPTION AS MEASURED FOLLOWING BSI 1881-122 AND RESISTANT TO HYDROSTATIC PRESSURE OF 100 PSI AS DETERMINED BY ASTM D5385.

ADMIXTURES: WATER-REDUCING ADMIXTURES CONFORMING TO ASTM C494 MAY BE INCORPORATED IN THE CONCRETE MIX DESIGNS AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CALCIUM CHLORIDE OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

AIR CONTENT: AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260 SHALL BE USED IN ALL CONCRETE MIXES FOR WORK THAT IS EXPOSED TO WEATHER. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE END OF THE PLACING HOSE. ENTRAINED AIR SHALL BE AS NOTED +/- 1.5% BY VOLUME.

SLEEVES: SLEEVES FOR PIPING OR DUCTS, EXCEPT AS DETAILED ON THE STRUCTURAL DRAWINGS, SHALL NOT BE PLACED IN JOISTS, BEAMS OR GIRDERS UNLESS APPROVED BY THE ENGINEER.

REINFORCING STEEL MATERIALS:

DEFORMED BARS ASTM A615, GRADE 60
SMOOTH WELDED WIRE FABRIC (WWF) ASTM A185 (F_y = **65,000 PSI**)

REINFORCING STEEL DETAILING: REINFORCING STEEL SHALL BE SUPPORTED AS SPECIFIED BY THE PROJECT SPECIFICATIONS AND THE CRSI MANUAL OF STANDARD PRACTICE. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 - DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.

REBAR SPLICES: LAP REINFORCING BARS AS NOTED ON THE DRAWINGS. WHERE SPLICE LENGTH IS NOT SHOWN, USE TYPE 'Ls' SPLICE PER DEVELOPMENT AND SPLICE LENGTH SCHEDULE. MECHANICAL OR WELDED BUTT SPLICES SHALL BE SUBJECT TO STRUCTURAL ENGINEER'S APPROVAL. MECHANICAL SPLICES, WHERE ALLOWED ON THE PLANS, SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE SPLICED BARS IN BOTH TENSION AND COMPRESSION.

FIELD BENDING: NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY DETAILED AS SUCH OR APPROVED BY THE STRUCTURAL ENGINEER.

WELDING: REINFORCING BARS SHALL NOT BE WELDED OR TACK WELDED TO OTHER BARS OR TO PLATES, ANGLES, ETC. UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.4. WELDING SHALL BE DONE BY AWS/WABO CERTIFIED WELDERS QUALIFIED FOR WELDS USING APPROVED ELECTRODES.

CONCRETE PROTECTION: COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

FOOTINGS AND OTHER UNFORMED SURFACES, EARTH FACE 3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER 2"

NON-SHRINK GROUT: NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE MINIMUM 28-DAY GROUT COMPRESSIVE STRENGTH SHALL BE **6000 PSI**, UNLESS NOTED OTHERWISE.

EPOXY LEVELING GROUT: COMPLY WITH ASTM C881 WITH **12,000 PSI** MINIMUM COMPRESSIVE STRENGTH.

EXPANSION ANCHORS: EXPANSION ANCHORS INSTALLED INTO CONCRETE SHALL BE HILTI KWIK BOLT TZ TYPE 316 STAINLESS STEEL, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-1917.

ADHESIVE ANCHORS AND EPOXIED REINFORCING BARS: PLACEMENT AND CURING SHALL BE CONDUCTED WITH CONCRETE AND AIR TEMPERATURES ABOVE 50 DEGREES. APPLY EPOXY ONLY TO CLEAN, DRY CONCRETE. PROVIDE POSITIVE PROTECTION SO DOWELS ARE NOT DISTURBED DURING THE CURING PERIOD.

ADHESIVE ANCHORS AND REINFORCING BARS SHALL BE EPOXIED INTO CONCRETE WITH HILTI HY-200 ADHESIVE, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-3187. ADHESIVE ANCHOR RODS SHALL BE HILTI HIT-Z THREADED RODS, OR APPROVED EQUIVALENT, UNLESS NOTED OTHERWISE.

STAINLESS STEEL ADHESIVE ANCHORS AND REINFORCING BARS, WHERE CALLED OUT, SHALL BE EPOXIED INTO CONCRETE WITH HILTI HY-200 ADHESIVE, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-3187. ADHESIVE ANCHOR RODS SHALL BE ASTM F593 TYPE 316 STAINLESS STEEL THREADED RODS, OR APPROVED EQUIVALENT.

SCREW ANCHORS: CONCRETE HEAVY DUTY SCREW ANCHORS SHALL BE SIMPSON TITEN HD, OR APPROVED EQUIVALENT. THE ANCHOR SHALL BE MECHANICALLY GALVANIZED PER ASTM B695, CLASS 55. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR 2713.

POST-INSTALLED DRILLING: HOLES FOR INSTALLING REINFORCING BARS, BOLTS, THREADED RODS AND INSERTS INTO CONCRETE SHALL BE DRILLED BY THE ICC APPROVED DRILLING METHOD FOR THE ANCHOR. CHIP AWAY A SUFFICIENT QUANTITY OF CONCRETE COVER TO LOCATE EXISTING REINFORCING PRIOR TO DRILLING. DO NOT CUT EXISTING REINFORCING.

SLAB SURFACING: PROVIDE CURING, FINISHING & SEALING OF SLABS PER ACI 302.1 GUIDELINES. PROVIDE **CLASS 1** FLOOR FINISH WITH A FLATNESS/LEVELNESS OF **25/20**, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS OR OTHERWISE NOTED. PROVIDE CURING USING A LIQUID MEMBRANE-FORMING CURING COMPOUND. PROVIDE A POLYETHYLENE (PLASTIC) FILM WHERE WEATHER/TEMPERATURE CONDITIONS REQUIRE ADDITIONAL PROTECTION FOR CURING.

**** INCLUDE TABLE ONLY IF ARCHITECT DOES NOT, OR COORDINATE WITH ARCHITECT ****

FINISH	LOCATION
FLOAT	ALL FOOTINGS, UON
TROWEL	TOP OF WALLS, SLAB SURFACES TO BE EXPOSED TO VIEW OR TO RECEIVE RESILIENT FLOORING
TROWEL & NONSLIP BROOM	ALL FINISHED FLOOR SURFACES, UON
FLOAT & NONSLIP BROOM	ALL SLABS NOT RECEIVING TROWEL & NONSLIP BROOM FINISH

SLAB CONTROL JOINTS: PROVIDE CONTROL JOINTS THAT DIVIDE THE SLAB-ON-GRADE INTO RECTANGULAR AREAS OF **225 SF** OR LESS WITH LENGTH TO WIDTH RATIOS OF 1.5 OR LESS. SUBMIT JOINT LOCATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL.

WALL CONTROL JOINTS: PROVIDE VERTICAL CONTROL JOINTS THAT ARE NOT GREATER THAN **20 FEET** ON CENTER. LOCATE JOINTS AT REVEALS WHERE INDICATED ON THE ARCHITECTURAL DRAWINGS. SUBMIT JOINT LOCATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL.

PROVIDE 3/4"x3/4" CHAMFERED EDGES AT THE EXTERIOR EDGES OF ALL FORMED CONCRETE.

WOOD

THE WOOD DECK EXPOSED DURING REMOVAL OF THE LOW ROOF SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE INSPECTED FOR DETERIORATION AND FASTENING BY A THIRD PARTY INSPECTOR, RETAINED BY THE OWNER. PLYWOOD THAT HAS DETERIORATION SHALL BE REPLACED IN KIND WITH NEW PLYWOOD. FASTENERS SHALL 8d MINIMUM AND BE IN GOOD CONDITION WITHOUT CORROSION. SPACING SHALL NOT EXCEED 6 INCHES O.C. AT THE PERIMETER OF EACH PLYWOOD SHEET AND 12 INCHES O.C. AT EACH SUPPORT AT THE INTERIOR OF EACH SHEET. REPLACE ALL DETERIORATED NAILS AND PROVIDE ADDITIONAL NAILING AS REQUIRED TO MEET THESE MINIMUMS.

MASONRY

BOND BEAMS: BOND BEAMS WITH HORIZONTAL REINFORCING SHALL BE PROVIDED AT ALL FLOOR AND ROOF LINES AND AT THE TOP OF WALLS. PROVIDE A BOND BEAM WITH TWO HORIZONTAL BARS OF SAME SIZE AS TYPICAL HORIZONTAL BARS AT THE TOP AND BOTTOM OF ALL OPENINGS, AND EXTEND THESE BARS 40 BAR DIAMETERS (**2'-0" MINIMUM**) PAST THE OPENING AT EACH SIDE, OR AS FAR AS POSSIBLE AND HOOK. PROVIDE TWO VERTICAL BARS AS SAME SIZE AND VERTICAL BARS OF SAME SIZE AS TYPICAL VERTICAL BARS FOR THE FULL HEIGHT OF THE WALL AT EACH SIDE OF OPENINGS, WALL ENDS AND INTERSECTIONS. DOWELS TO MASONRY WALLS SHALL BE EMBEDDED A MINIMUM OF 1'-6" OR HOOKED INTO THE SUPPORTING STRUCTURE, AND BE OF THE SAME SIZE AND SPACING AS WALL REINFORCING. PROVIDE CORNER BARS TO MATCH THE HORIZONTAL WALL REINFORCING AT WALL INTERSECTIONS. LAP BARS 40 DIAMETERS (**2'-0" MINIMUM**).

CONTROL JOINTS: PROVIDE VERTICAL CONTROL JOINTS IN THE WALLS AT LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS, NO GREATER THAN 16' O.C. SUBMIT JOINT LOCATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL.

ADHESIVE ANCHORS AND EPOXIED REINFORCING BARS: PLACEMENT AND CURING SHALL BE CONDUCTED WITH MASONRY AND AIR TEMPERATURES ABOVE 50 DEGREES. APPLY EPOXY ONLY TO CLEAN, DRY MASONRY. PROVIDE POSITIVE PROTECTION SO DOWELS ARE NOT DISTURBED DURING THE CURING PERIOD.

STAINLESS STEEL ADHESIVE ANCHOR RODS, WHERE CALLED OUT, SHALL BE ASTM F593 TYPE 316 STAINLESS STEEL THREADED RODS, OR APPROVED EQUIVALENT.

ADHESIVE ANCHORS AND REINFORCING BARS INTO HOLLOW OR UNREINFORCED MASONRY SHALL BE EPOXIED WITH HILTI HIT-HY 270 ADHESIVE, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN A STRICT ACCORDANCE WITH ICC REPORT ESR-4143. ADHESIVE ANCHOR RODS SHALL BE GALVANIZED ASTM F1554, GR 36 THREADED RODS, OR APPROVED EQUIVALENT, UNLESS NOTED OTHERWISE.

POST-INSTALLED DRILLING: HOLES FOR INSTALLING REINFORCING BARS, BOLTS, THREADED RODS AND INSERTS INTO MASONRY SHALL BE DRILLED BY THE ICC APPROVED DRILLING METHOD FOR THE ANCHOR. CHIP AWAY A SUFFICIENT QUANTITY OF MASONRY COVER TO LOCATE EXISTING REINFORCING OR LOCATE BARS USING NON-DESTRUCTIVE TESTING PRIOR TO DRILLING. DO NOT CUT EXITING REINFORCEMENT.

MASONRY RENOVATION

INSPECTION AND REPAIR: EXTERIOR MASONRY WALLS SHALL BE INSPECTED AND REPAIRED AS FOLLOWS: SCRAPE LOOSE AND WEAKENED MORTAR OUT TO FULL DEPTH OF THE DETERIORATION; REMOVE AND REPLACE ANY LOOSE MASONRY UNITS; CHECK FOR LOOSE FACING BRICK VENEIERS; TUCK POINT ALL JOINTS SOLID. MASONRY RESTORATION AND REPAIR SHALL BE PERFORMED IN SUCH A MANNER THAT THE EXISTING STRUCTURE IS NOT WEAKENED OR LEFT UNSUPPORTED DURING THE PROCESS OF THE WORK. ALL EXTERIOR APPENDAGES SUCH AS FIRE ESCAPES, CORNICES AND EYEBROWS SHALL BE INSPECTED FOR STRUCTURAL INTEGRITY AND THE CONDITION OF THE CONNECTIONS TO THE STRUCTURE. NOTIFY THE STRUCTURAL ENGINEER AS TO THE FINDINGS.

SPECIAL INSPECTION

SPECIAL INSPECTION REQUIREMENTS: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH IBC SECTION 1704. THE DRAWINGS AND THE PROJECT SPECIFICATIONS. THESE INSPECTIONS SHALL BE PERFORMED BY A TESTING AGENCY, DESIGNATED BY THE OWNER'S REPRESENTATIVE, QUALIFIED TO PERFORM THE TYPES OF INSPECTIONS SPECIFIED. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION REPORTS AND TEST RESULTS, AS WELL AS A FINAL SIGNED REPORT FOR THE INSPECTED ITEMS.

INSPECTION COORDINATION: COORDINATE THE INSPECTIONS BY PROVIDING ADEQUATE NOTICE TO THE INSPECTION AGENCY AND OWNER'S CONSTRUCTION REPRESENTATIVE OF DATES WHEN WORK IS READY FOR INSPECTION, AND BY PROVIDING ALLOWANCE IN THE SCHEDULE FOR THE SPECIFIED INSPECTIONS TO OCCUR.



RAY WILLIAMSON IMPROVEMENTS

**8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110**

BID SET
PHASE 1 4/23/24

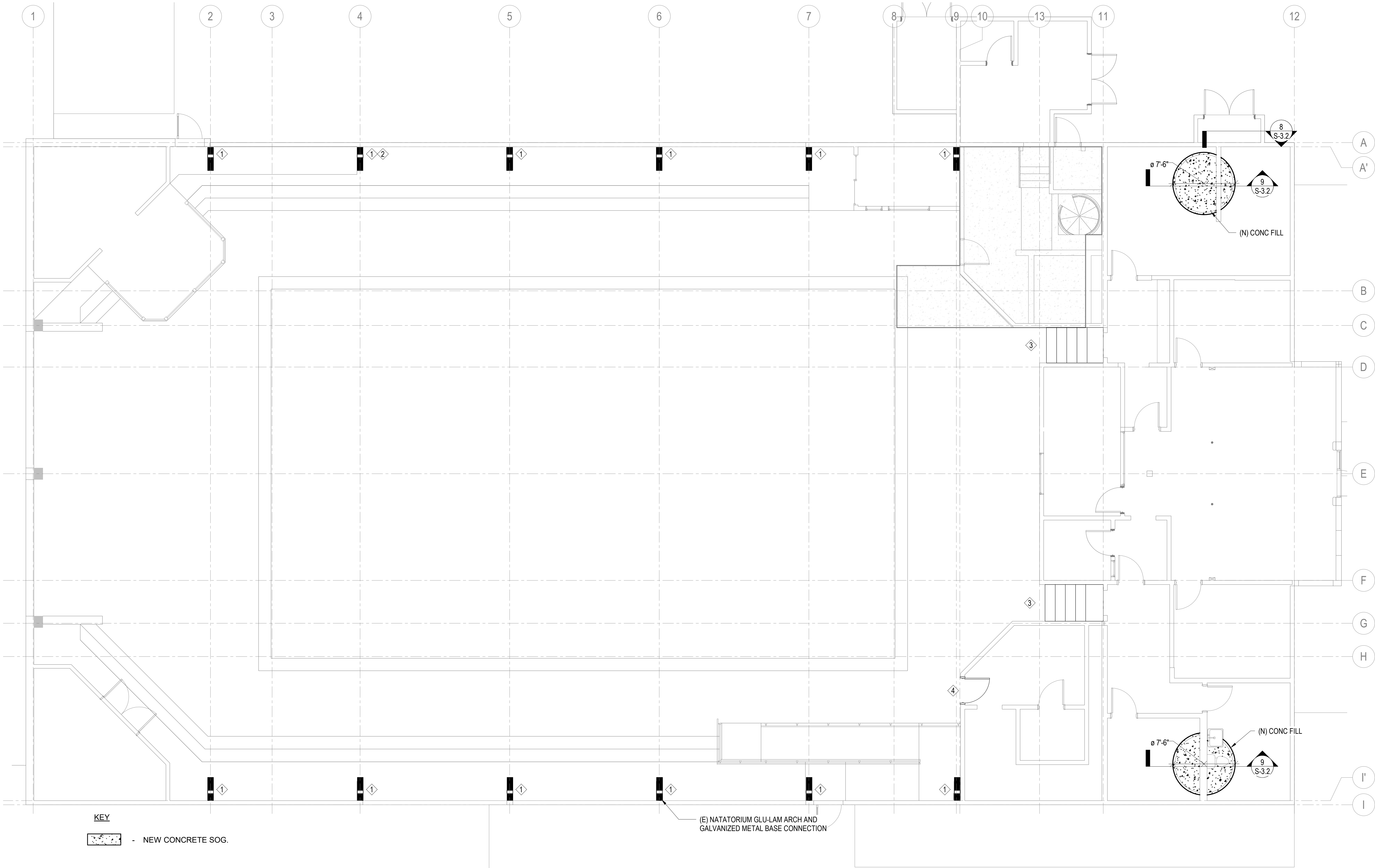
REVISIONS
DATE

PROJECT ENGINEER ML
PROJECT MANAGER ML
DRAWN AB

**GENERAL
STRUCTURAL
NOTES**

S-0.1
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KEY

NEW CONCRETE SOG.

(E) NATATORIUM GLU-LAM ARCH AND GALVANIZED METAL BASE CONNECTION

KEYNOTE

- ① CLEAN BASE PLATES AND METAL SEATS. REMOVE CORROSION AND RECOAT WITH EPOXY SYSTEM PER ARCHITECT.
- ② REMOVE LOOSE GROUT BENEATH BASE PLATES AND REPLACE WITH NON-SHRINK GROUT.
- ③ EXCAVATE DELAMINATED CONCRETE AND CONCRETE WITH CORRODED REBAR.
- ④ REMOVE CORROSION FROM BASE OF DOOR AND FRAME. REPAINT PER ARCHITECT.

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



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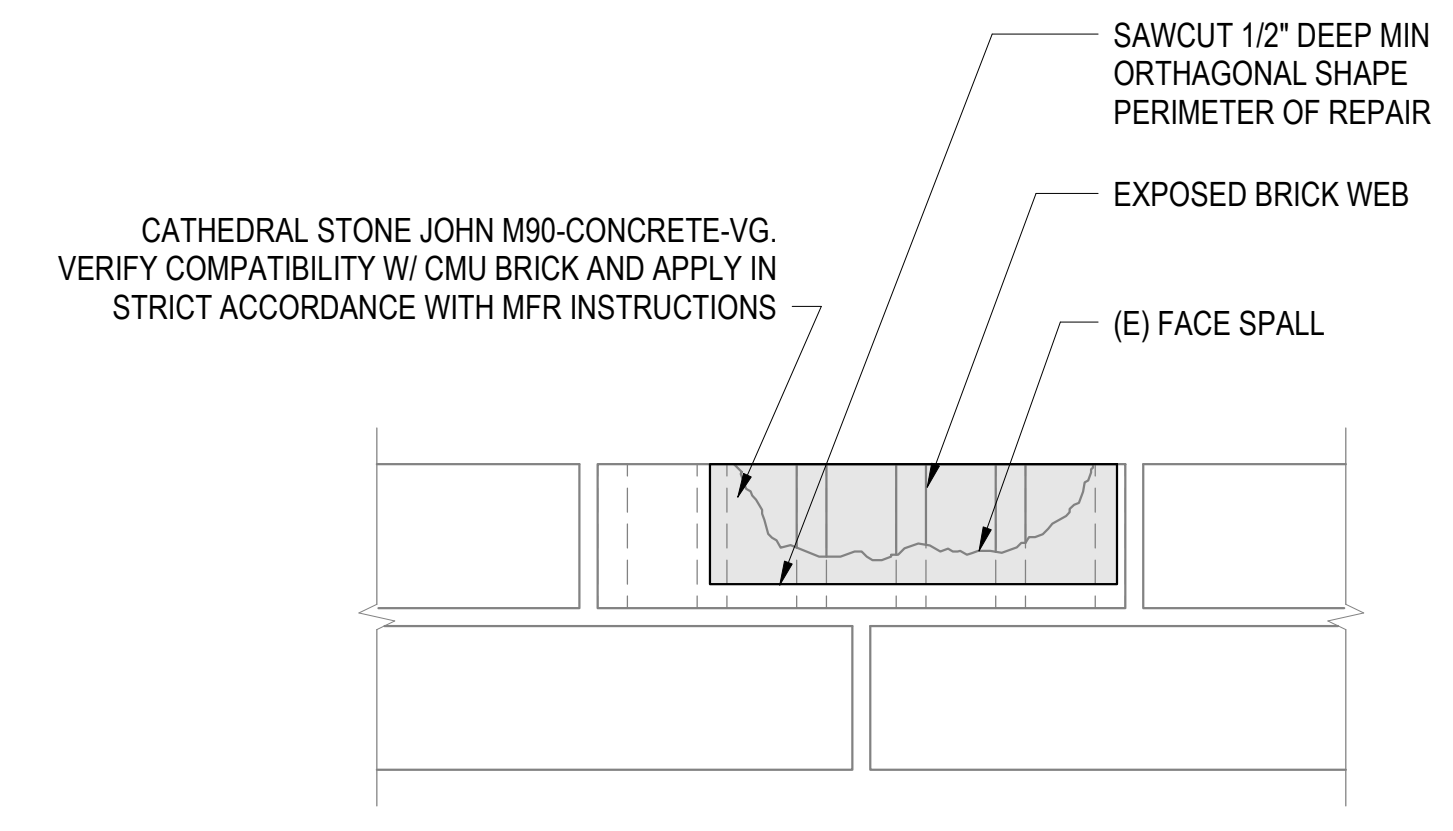
REVISIONS # DATE

PROJECT ENGINEER ML
PROJECT MANAGER ML
DRAWN AB

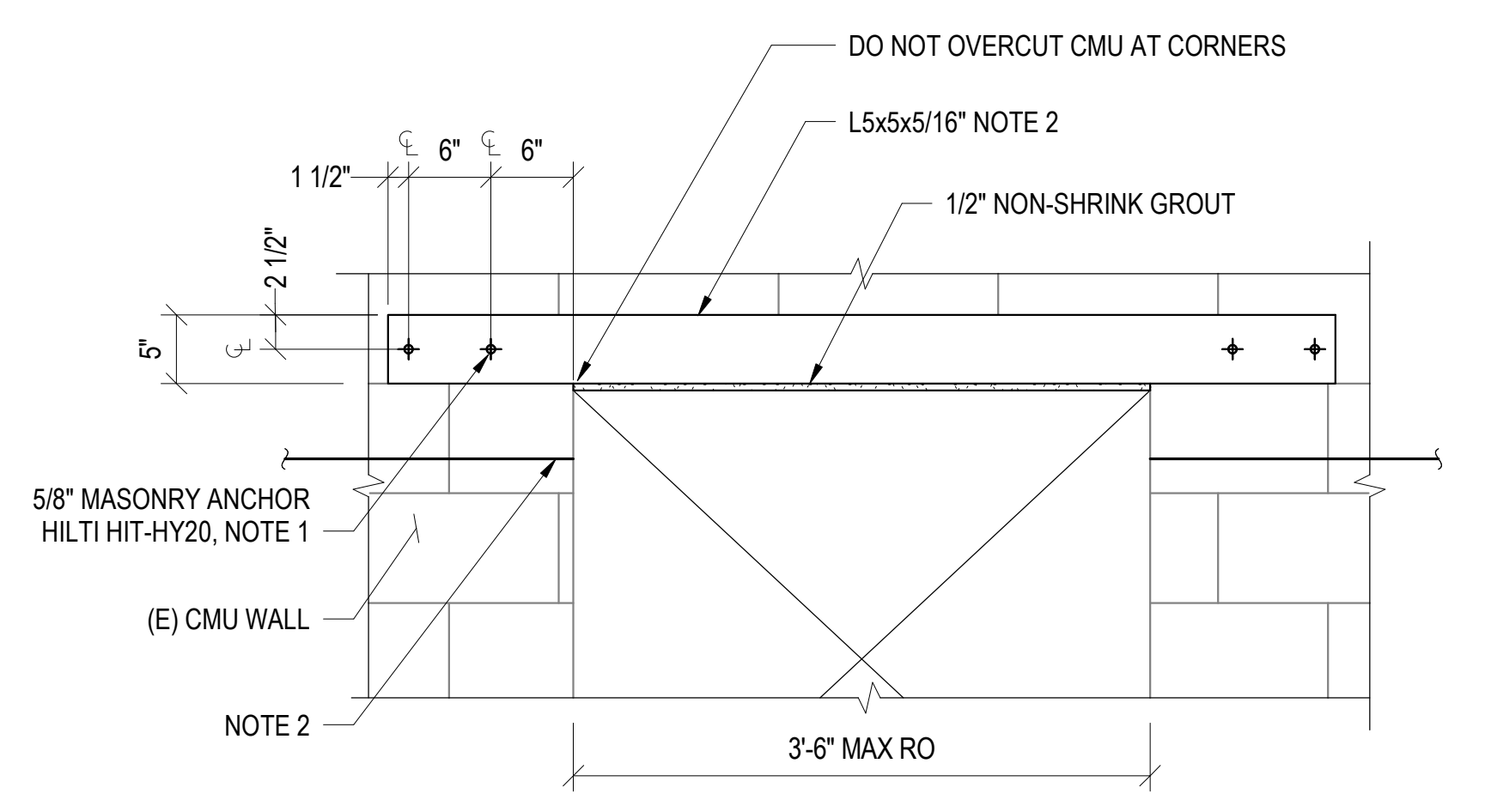
1ST FLOOR PLAN

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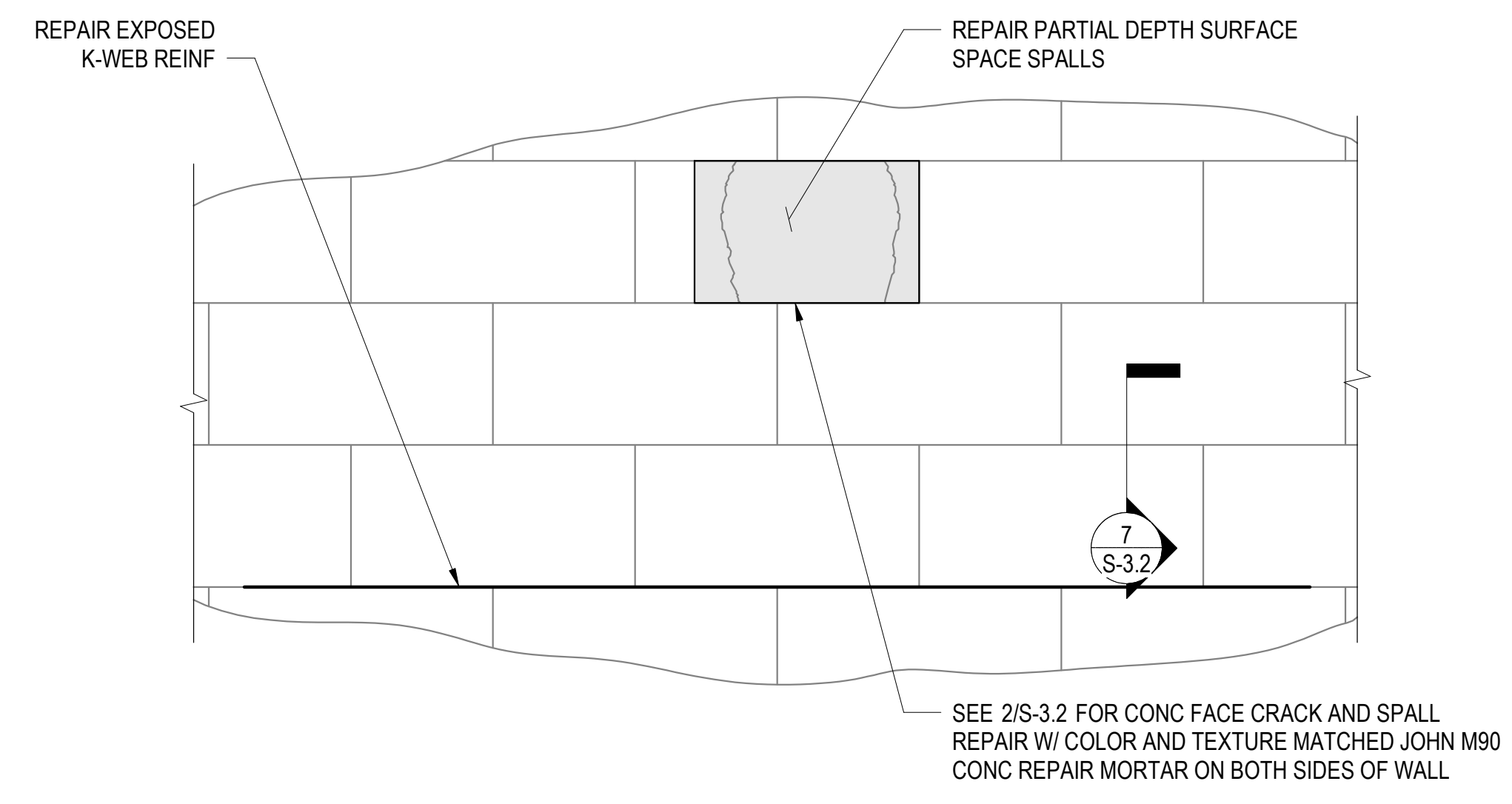


2 CMU BRICK MASONRY FACING
SCALE: 3" = 1'-0"

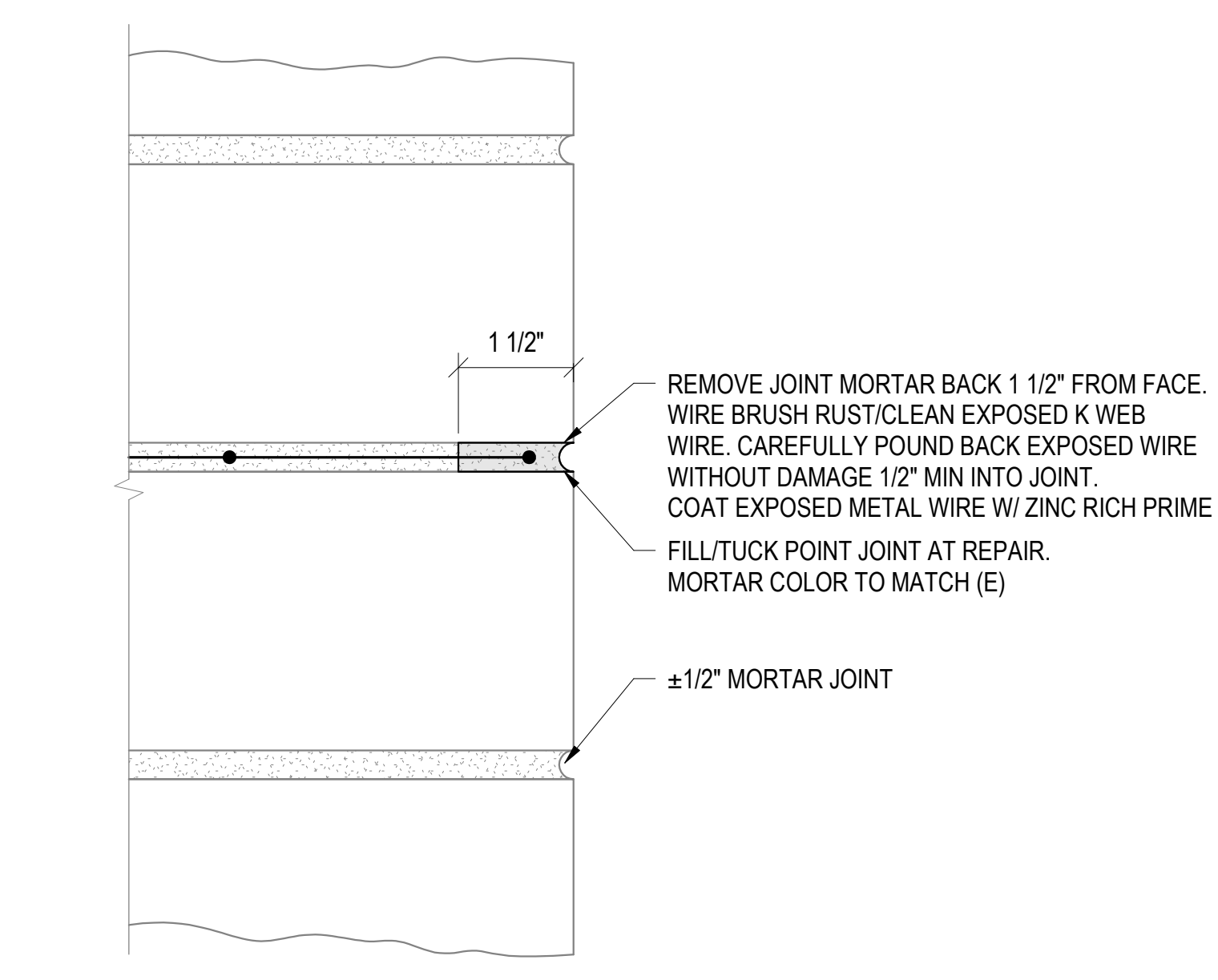


- NOTES:**
- HILES FOR INSTALLING BOLTS INTO MASONRY SHALL BE DRILLED BY THE ICC APPROVED DRILLING METHOD FOR THE ANCHOR. EXPANSION ANCHORS INTO CONCRETE SHALL BE KWIK BOLT II. THREADED EXPANSION INSERTS INTO CONCRETE OR MASONRY UNITS SHALL BE SLEEVE ANCHORS AND EPOXY GROUTED INSERTS SHALL BE HAS ANCHORS WITH HVA ADHESIVE. ALL AS MANUFACTURED BY HILTI CORP. OR APPROVED EQUAL. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. INSERTS INTO CONCRETE MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT AND INSERT INSTALLATION.
 - CUT L 5X3 INTO CMU AND GROUT PRIOR TO CUTTING CMU FOR DOOR OPENING. HOT-DIP GALVANIZE ANGLE AND ANCHORS.
 - DRILL OUT REBAR 1" MIN AT ANY EXPOSED CUT ENDS. PATCH WITH NON-SHRINK GROUT.

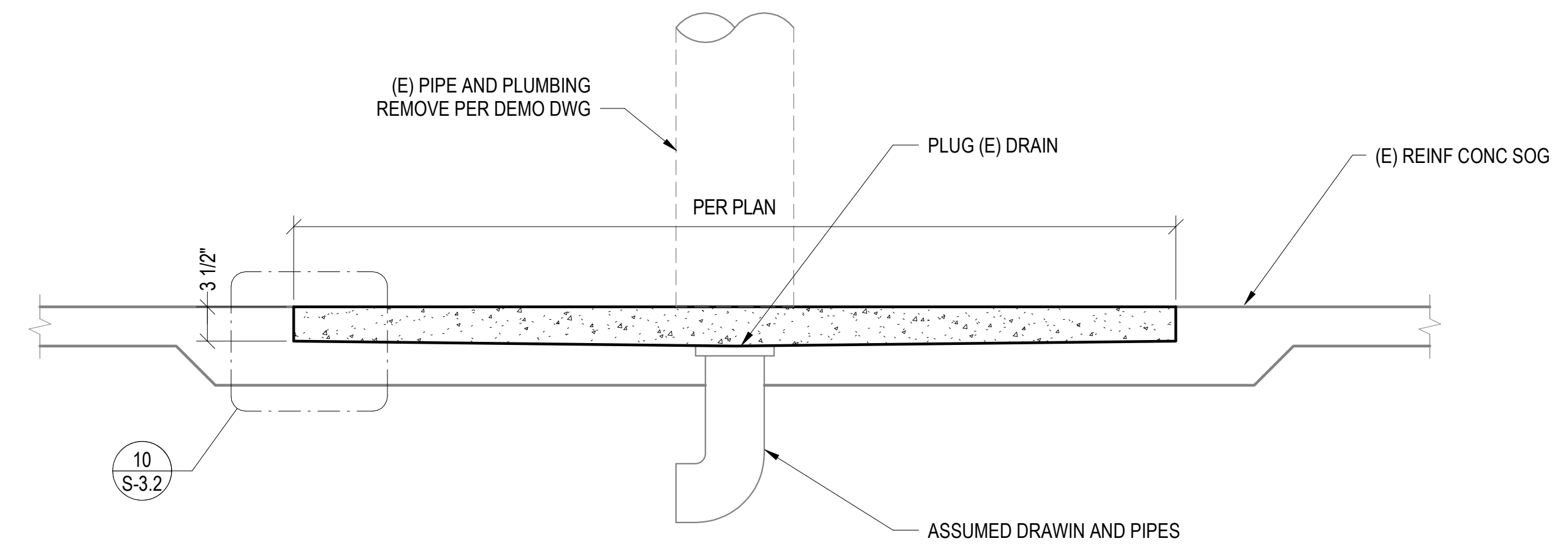
8 DETAIL AT CMU OR CMU BRICK WALL OPENING
SCALE: 1" = 1'-0"



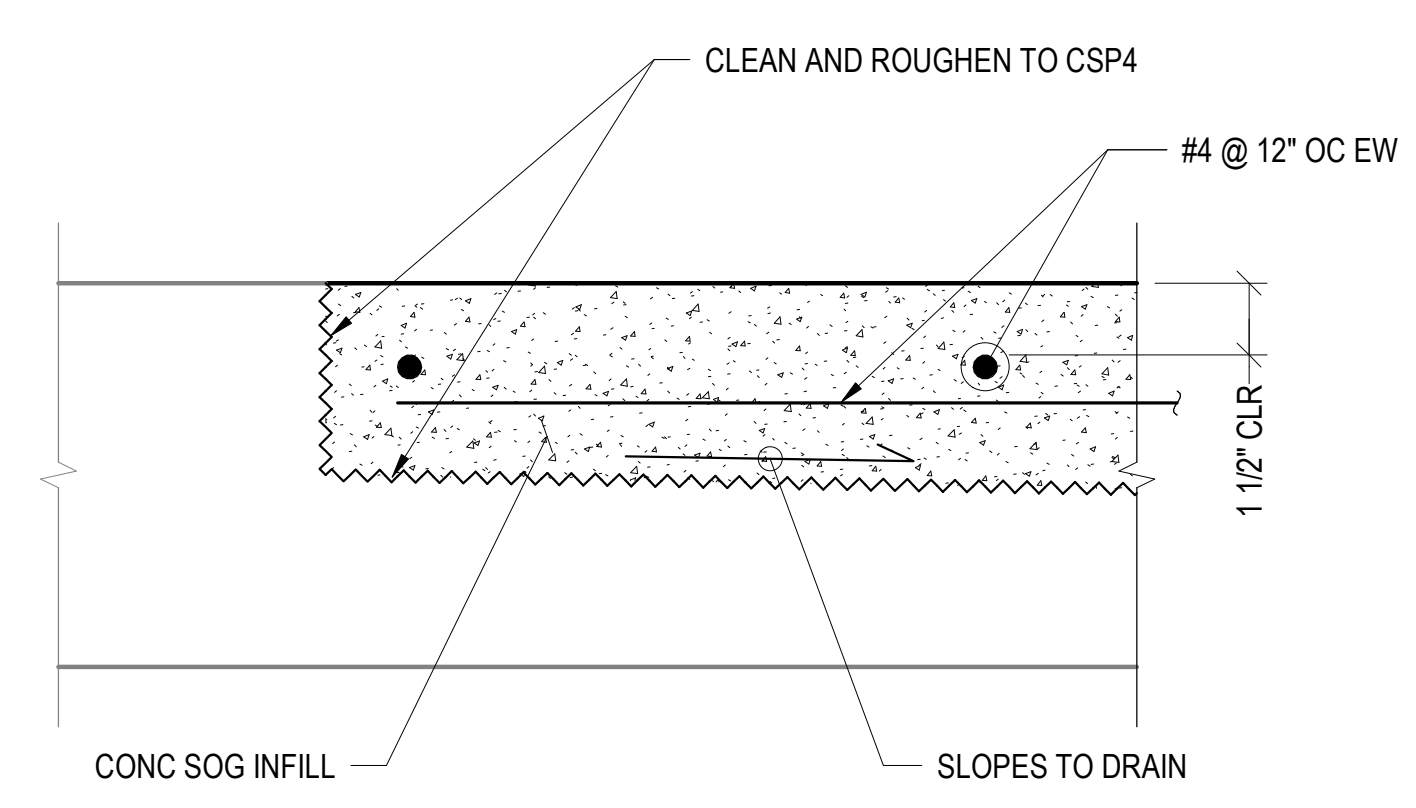
5 EXTERIOR 2"x8" HOLLOW CORE BRICK/MASONRY REPAIR
SCALE: 1 1/2" = 1'-0"



7 K-WEB MORTAR JOINT REPAIR DETAIL
SCALE: 6" = 1'-0"



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



10 DETAIL
SCALE: 3" = 1'-0"

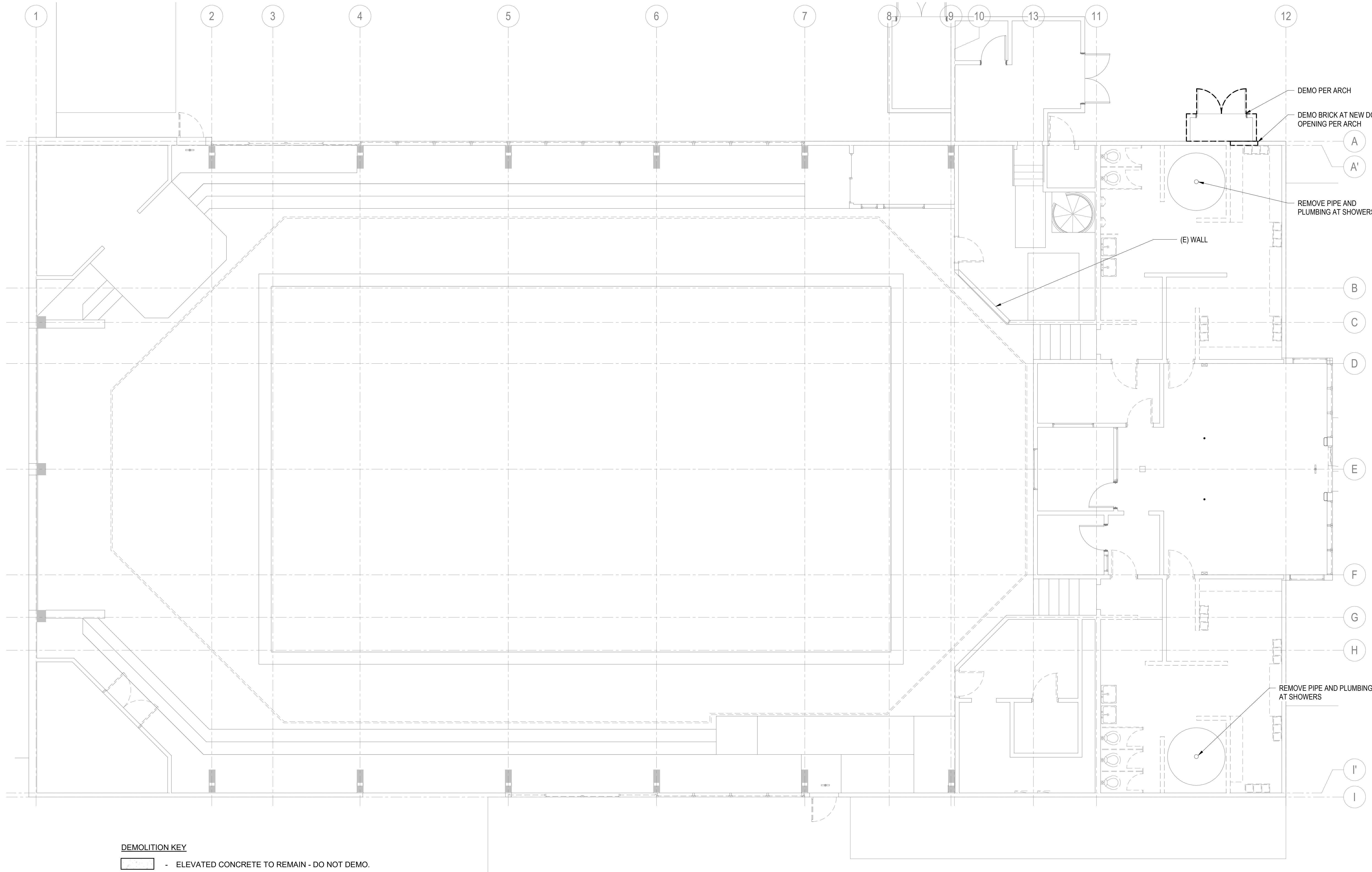
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PROJECT ENGINEER	ML
PROJECT MANAGER	ML
DRAWN	AB

DETAILS

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DEMOLITION KEY

 - ELEVATED CONCRETE TO REMAIN - DO NOT DEMO.

1 1ST FLOOR DEMO PLAN
SCALE: 3/16" = 1'-0"



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PROJECT MANAGER ML
DRAWN AB

1ST FLOOR DEMO PLAN

SD-1.0
2022.133

PLUMBING LEGEND

	PIPE ELBOW DOWN
	PIPE ELBOW UP
	FLANGE
	FLEX CONNECTION
	TEE OUTLET UP
	TEE OUTLET DOWN
	AUTOMATIC AIR VENT
	BALL VALVE
	BALANCING VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	CLEAN OUT
	GATE VALVE
	GLOBE VALVE
	PIPE SIZE REDUCTION
	PIPE CAP
	DIRECTION OF FLOW
	BREAK IN PIPE OR DUCT
	FLOOR CLEAN OUT
	FLOOR DRAIN
	FLOOR SINK
	VENT THROUGH ROOF
	DETAIL OR SECTION CALLOUT
	SECTION CUT LINE
	THERMOSTAT
	CARBON DIOXIDE SENSOR
	SENSOR
	HUMIDISTAT
	SWITCH
	TIMER SWITCH
	LINE, ARCH. BACKGROUND
	LIGHT LINE, EXISTING
	HEAVY LINE, NEW WORK
	COLD WATER
	HOT WATER
	HOT WATER CIRCULATION
	SANITARY SEWER
	SANITARY VENT
	CONDENSATE DRAIN
	COMPRESSED AIR
	SLOPE AND DFU TAG (FIXTURE UNITS SHOWN INSIDE BRACKETS)
	CLEARANCE REQUIREMENT
	WORK TO BE REMOVED
	REVISION CLOUD
	EQUIPMENT ITEM XX
	FLAG NOTE
	REVISION NOTE

PLUMBING INDEX

P0.1	PLUMBING LEGEND, CODE AND PLUMBING NOTES
P0.2	PLUMBING SCHEDULES
PD1.1	FIRST FLOOR PLUMBING DEMOLITION PLAN
PD1.2	ROOF PLUMBING DEMOLITION PLAN
PD2.0	PLUMBING DEMOLITION PHOTOS
P1.0	PLUMBING FOUNDATION PLAN
P2.0	BASEMENT FLOOR PLUMBING PLAN
P2.1	FIRST FLOOR PLUMBING PLAN
P2.2	ROOF PLUMBING PLAN
P3.1	PLUMBING DETAILS

APPLICABLE CODES

- 2018 UNIFORM PLUMBING CODE WITH WASHINGTON STATE AMENDMENTS
- 2018 WASHINGTON STATE BUILDING CODE
- 2018 WASHINGTON STATE ENERGY CODE

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
CIRC	CIRCULATING
CO	CLEAN OUT
COND	CONDENSATE
COORD	COORDINATE
CW	COLD WATER
DE	DIATOMACEOUS EARTH
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E	EXISTING
EA	EACH
ESP	EXTERNAL STATIC PRESSURE
EXIST	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FM	FORCE MAIN
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FPM	FEET PER MINUTE
FT	FOOT, FEET
G	NATURAL GAS
GA	GAUGE
GAL	GALLONS
GPM	GALLONS PER HOUR
HP	HORSEPOWER
IE	INVERT ELEVATION
IN	INCH
KW	KILOWATT, (1000 WATTS)
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
NC	NORMALLY CLOSE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
ORL	OVERFLOW RAINWATER LEADER
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
RWL	RAINWATER LEADER
SP	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
TDH	TOTAL DYNAMIC HEAD
TPD	TOTAL PRESSURE DROP
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
V	VOLT, VENT
VTR	VENT THRU ROOF
W/	WITH
WSEC	WASHINGTON STATE ENERGY CODE
WSPC	WASHINGTON STATE PLUMBING CODE

PLUMBING NOTES

1. THE CONTRACTOR'S SCOPE OF WORK SHALL CONSIST OF ALL WORK SHOWN ON THE DRAWINGS, INCLUDING PLANS, DIAGRAMS, DETAILS, ETC., AND ALL WORK AS IDENTIFIED IN THE SPECIFICATIONS. WORK INCLUDES FURNISHING, INSTALLING SYSTEM, INTEGRATION, TESTING, TRAINING AND WARRANTY OF THE PLUMBING SYSTEMS AS SHOWN AND SPECIFIED.
2. PROVIDE A COMPLETE AND OPERABLE PLUMBING SYSTEM. THE SYSTEM SHALL BE PROVIDED COMPLETE WITH ALL PLUMBING WORK AS REQUIRED FOR SYSTEM OPERATION PER THE SEQUENCE OF OPERATION.
3. ALL PLUMBING WORK SHALL COMPLY WITH LOCAL CODES AND REGULATIONS. WHERE WORK SHOWN IS IN CONFLICT WITH THE LOCAL CODE THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF THE CONFLICT AND WAIT FOR WRITTEN RESOLUTION PRIOR TO PROCEEDING. WHERE WORK IS SHOWN TO BE ABOVE AND BEYOND THE REQUIREMENTS OF THE CODE PROVIDE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
4. THE DESIGN OF PLUMBING SYSTEMS HAS BEEN BASED UPON THE EQUIPMENT AS MANUFACTURED BY THE MANUFACTURERS LISTED ON THE EQUIPMENT SCHEDULE OR IN THE SPECIFICATION. EQUIPMENT NAMED IN THE SPECIFICATIONS MAY BE SUBSTITUTED PROVIDED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL SCHEDULED AND SPECIFIED CRITERIA AND HAS THE PRIOR WRITTEN APPROVAL OF THE ENGINEER. COORDINATE REVISIONS TO THE INSTALLATION WITH ALL TRADES AND GUARANTEE IN WRITING THAT NO ADDITIONAL COST WILL BE INCURRED DUE TO PRODUCT SUBSTITUTION.
5. CONTRACTOR SHALL FIELD VERIFY ALL BUILDING AND SITE DIMENSIONS BEFORE BEGINNING CONSTRUCTION OR ORDERING EQUIPMENT. DO NOT SCALE FROM PLANS. PLANS PROVIDED ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED OFFSETS, TRANSITIONS, OR CHANGES IN DIRECTION. PROVIDE ALL OFFSETS REQUIRED.
6. PIPE SIZES SHOWN ON PLAN ARE INTENDED TO INDICATE THE NOMINAL PIPE SIZE OF THE SPECIFIED PIPE MATERIAL AND PIPE SCHEDULE. COORDINATE ACTUAL PIPE OUTER DIMENSIONS WITH REQUIREMENTS FOR THERMAL INSULATION, HANGERS, SUPPORTS, ETC..
7. CONTRACTOR SHALL COORDINATE ALL PLUMBING WORK WITH OTHER TRADES AND SUBCONTRACTORS PRIOR TO INSTALLATION OF ANY WORK BY ANY TRADES. DURING COORDINATION EFFORTS DUCT ROUTING SHALL TAKE PRECEDENCE OVER PLUMBING PIPE AND FIRE SPRINKLER WORK. PLUMBING PIPES REQUIRING SLOPE SHALL TAKE PRECEDENCE OF FIRE SPRINKLER WORK. PROVIDE SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO INSTALLATION AND FABRICATION TO DOCUMENT THE RESULTS OF THE COORDINATION.
8. PENETRATIONS THROUGH ROOF OR EXTERIOR WALLS SHALL BE SEALED WEATHER TIGHT. PENETRATIONS THROUGH CEILING OR INTERIOR WALLS SHALL BE SEALED SUBSTANTIALLY AIRTIGHT. BELOW GRADE WALLS OR SLABS SHALL BE SLEEVED AND SEALED WATERTIGHT. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE TREATED TO MEET OR EXCEED THE FIRE RATINGS OF SUCH WALLS.
9. PROVIDE ALL REQUIRED ELECTRICAL POWER, MOTOR STARTERS, MOTOR CONTROL INTERFACES, CONTROL SWITCHES, AND CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION AND TO EXECUTE THE SEQUENCE OF OPERATIONS. COORDINATE LINE VOLTAGE WORK REQUIREMENTS WITH THE JOBSITE ELECTRICAL CONTRACTOR.
10. PROVIDE ALL REQUIRED EQUIPMENT GUARDS AND STRUCTURAL SUPPORTS AS RECOMMENDED BY EQUIPMENT MANUFACTURERS TO SUPPORT EQUIPMENT AND TO ASSURE SYSTEM PERFORMANCE AND SAFE OPERATION. COORDINATE PRIOR TO INSTALLATION.
11. PROVIDE ACCESS PANELS AS REQUIRED TO MAINTAIN EQUIPMENT, ACCESS VALVES, AND PLUMBING ACCESSORIES. COORDINATE FIRE RATING OF SUCH PANELS WITH THE ARCHITECTURAL DOCUMENTS. ACCESS PANELS SHALL BE MINIMUM SIZE REQUIRED TO SERVICE EQUIPMENT PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. IF NO MINIMUM SIZE IS GIVEN THE PANEL SHALL BE NO SMALLER THAN 12" BY 12" IN SIZE.
12. COORDINATE LOCATION OF ALL THERMOSTATS, AND ALL WALL MOUNTED EQUIPMENT, WITH THE ARCHITECT. THE LOCATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS. IF NOT SHOWN ON ARCHITECTURAL ELEVATIONS, MOUNT WITH TOP OF EQUIPMENT NO HIGHER THAN 44" ABOVE FINISHED FLOOR.
13. PROVIDE UNIT SUPPORT PER MANUFACTURERS RECOMMENDATIONS. BUILDING AND STRUCTURE IS DESIGNED TO SUPPORT EQUIPMENT, BUT NOT DETAILED TO ACCOMMODATE EACH AVAILABLE EQUIPMENT CONFIGURATION OR MANUFACTURER. CONTRACTOR SHALL PROVIDE MATERIALS AND SERVICES INCLUDING BUT NOT LIMITED TO, ADDITIONAL STEEL, SUPPORT BRACKETS, HANGERS, ACCESSORIES, AND STRUCTURAL ENGINEERING AS REQUIRED TO SUPPORT EQUIPMENT.
14. PROVIDE FRAMING, CUTTING, BLOCKING AND PATCHING AS REQUIRED.
15. PROVIDE TRAP PRIMERS AND TRAP PRIMING SUPPLY LINES TO EVERY FLOOR DRAIN P-TRAP. SUPPLY LINES SHALL BE RUN IN COPPER AND SLOPPED TO THE P-TRAP. INSTALL TRAP PRIMERS IN NEARBY WALL AND ROUTE SUPPLY WATER TO TRAP PRIMER MANIFOLD AS NECESSARY. UNLESS OTHERWISE NOTED, OR APPROVED IN WRITING FROM THE ENGINEER, PROVIDE ELECTRONICALLY METERED TRAP PRIMERS.
16. PROVIDE WATER HAMMER ARRESTORS AT EACH WATER SUPPLY BRANCH CONTAINING A WATER CLOSET, URINAL, OR PUBLIC LAVATORY FIXTURE. LOCATE PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE ACCESS PANEL FOR SERVICE AND MAINTENANCE OF WATER HAMMER ARRESTOR.
17. MAINTENANCE PROVISIONS: PROVIDE FLANGES OR UNIONS AT ALL PIPE CONNECTIONS TO EQUIPMENT TO ALLOW FOR REMOVAL OR DISASSEMBLY FOR MAINTENANCE.
18. REFER TO THE ARCHITECTURAL PLANS FOR THROUGH RATED FIRE STOP ASSEMBLIES OR MEMBRANE PENETRATION ASSEMBLIES.

2018 WSEC NOTES

1. PROVIDE RECORD DOCUMENTS IN ACCORDANCE WITH SECTION C103.6.1. PROVIDE OPERATION AND MAINTENANCE MANUALS IN ACCORDANCE WITH SECTION C103.6.2. PROVIDE THE OWNER WITH THE COMPLIANCE DOCUMENTS REQUIRED BY SECTION C103.6.3. REFER ALSO TO THE PROJECT SPECIFICATIONS FOR ALL CLOSEOUT AND RECORD DOCUMENT REQUIREMENTS. THE DRAWINGS SHALL INDICATE, AT A MINIMUM, THE LOCATION AND PERFORMANCE DATA OF EQUIPMENT, AS-BUILT CONFIGURATION OF DUCTWORK AND PIPING DISTRIBUTION SYSTEMS, INCLUDING FLOW RATE, EQUIPMENT TAGS, AND FIELD VERIFIED DIMENSIONS.
2. PROVIDE OWNER TRAINING PER SECTION 103.6.4 AND AS REQUIRED BY THE PROJECT SPECIFICATIONS. OWNER TRAINING MUST TAKE PLACE BEFORE OWNER OCCUPANCY BUT CAN TAKE PLACE AFTER SUBSTANTIAL COMPLETION HAS BEEN APPROVED.
3. SEAL, GASKET, OR WEATHER STRIP ALL ACCESS DOORS AND PANELS THAT OPEN FROM CONDITIONED SPACES TO UNCONDITIONED SPACES AND PER SECTION C402.5.4.
4. PROVIDE VARIABLE SPEED DRIVES FOR ALL FAN AND PUMP MOTORS GREATER THAN OR EQUAL TO 7.5 HP PER SECTION C403.2.3.
5. SERVICE WATER HEATING EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING CONDITIONS NOT LESS THAN THE VALUES INDICATED IN TABLE C404.2 (NOT INCLUDED)
6. PROVIDE HOT WATER CIRCULATION SYSTEMS PER THE PLANS AND SPECIFICATIONS. CIRCULATING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION C404.7 AND SHALL BE CAPABLE OF PERFORMING THE SPECIFIED SEQUENCE OF OPERATIONS. INSULATE ALL HEATED WATER CIRCULATION PIPE MINIMUM 1" THICKER THAN THE VALUES LISTED IN TABLE C403.10.3.
7. INSULATE PLUMBING PIPE PER THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND PER SECTION C403.10.3 AND PER TABLE C403.2.9.

TABLE C403.10.3 – MINIMUM PIPE INSULATION THICKNESS (INCHES)

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU x IN/(H x FT x °F)	MEAN RATING TEMPERATURE, °F	<1"	1" TO < 1-1/2"	1-1/2" TO < 4"	4" TO <8"	≥8"
>350	0.32–0.34	250	4.5	5.0	5.0	5.0	5.0
251–350	0.29–0.32	200	3.0	4.0	4.5	4.5	4.5
201–250	0.27–0.30	150	2.5	2.5	2.5	3.0	3.0
141–200	0.25–0.29	125	1.5	1.5	2.0	2.0	2.0
105–140	0.21–0.28	100	1.0	1.0	1.5	1.5	1.5
40–60	0.21–0.27	75	0.5	0.5	1.0	1.0	1.0
<40	0.20–0.26	75	0.5	1.0	1.0	1.0	1.5

NOTE: REFER TO 2018 WSEC FOR TABLE FOOTNOTES.

8. PROVIDE BALANCING DEVICES IN ALL CIRCULATING WATER BRANCH PIPE RUNS TO FIXTURES AND OUTLETS AS REQUIRED BY SECTION C404.7.2. BALANCING DEVICES ARE REQUIRED IN ALL HOT WATER RECIRCULATION BRANCHES WHETHER SHOWN ON PLAN OR NOT. REFER TO SCHEDULED FLOW RATES. IF INDIVIDUAL FLOW RATES ARE NOT SCHEDULED, EACH BRANCH SHALL BE BALANCED TO EQUAL FLOW.
9. PROVIDE ISOLATION VALVES FOR ALL EQUIPMENT CONNECTED TO FLUID PIPING.
10. PROVIDE ELECTRIC HOT WATER HEATERS WITH MINIMUM R-10 INSULATION PAD UNDER THE TANK PER SECTION C404.5 OF THE WSEC.
11. PROVIDE BALANCING DEVICES IN ALL BRANCH DUCTS AND PIPE RUNS TO TERMINAL DEVICES AS REQUIRED BY SECTION C408.2.2.2 OF THE WSEC AND AS INDICATED ON THE CONTRACT DOCUMENTS.
12. RECORD DRAWINGS SHALL BE PROVIDED TO THE OWNER AS REQUIRED BY SECTION C103.6.1 OF THE WSEC. THE DRAWINGS SHALL INDICATE THE LOCATION AND PERFORMANCE DATA OF EQUIPMENT, GENERAL CONFIGURATION OF DUCTWORK AND PIPING DISTRIBUTION SYSTEMS, INCLUDING FLOW RATES AS A MINIMUM.
13. OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE OWNER AS SPECIFIED AND PER SECTION C103.6.2 OF THE WSEC.
14. PLUMBING SYSTEMS SHALL BE BALANCED AS REQUIRED BY SECTION C408.2.2 OF THE WSEC.
15. CONTRACTOR SHALL PROVIDE COMMISSIONING AND REPORT OF COMMISSIONING SHALL BE SUBMITTED TO THE OWNER AS REQUIRED BY SECTION C408. COMMISSIONING SHALL CONSIST OF A COMMISSIONING PLAN, BALANCING, FUNCTIONAL PERFORMANCE TESTING, POST CONSTRUCTION COMMISSIONING, TRAINING, REPORTS AND ACCEPTANCE. SUBMIT COMMISSIONING COMPLIANCE CHECKLIST TO BUILDING OFFICIAL UPON COMPLETION. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
16. MOTOR EFFICIENCY SHALL NOT BE LESS THAN THE MINIMUM AS REQUIRED BY SECTION C405.8 FOR FULL LOAD EFFICIENCIES.

2018 WSPC (UPC AMENDMENTS) NOTES

1. PROVIDE HANGERS AND SUPPORTS FOR ALL PIPE AND EQUIPMENT. HANGER ROD SIZES SHALL COMPLY WITH TABLE 313.6 AND SUPPORTS SHALL COMPLY WITH TABLE 313.3. OF THE 2018 WSPC.
2. ALL WASTE AND VENT PIPING SHOWN ON PLAN SHALL BE INSTALLED AT 1/4" PER LF OR 2% SLOPE IF NOT OTHERWISE NOTED ON PLAN. SHALLOWER SLOPES SHALL ONLY BE INSTALLED WITH WRITTEN PERMISSION OF THE ENGINEER OF RECORD AND WITH APPROVAL BY THE AHJ.
3. PROVIDE CLEANOUTS FOR STORM DRAINAGE THAT COMPLY WITH SECTION 1101.13.
4. AIR ADMITTANCE VALVES SHALL ONLY BE PROVIDED WHERE SPECIFICALLY SHOWN ON THE APPROVED PLUMBING PERMIT PLANS AND AS APPROVED BY THE AHJ.
5. VENTS THAT EXTEND THROUGH THE ROOF SHALL TERMINATE NO LESS THAN 6" ABOVE THE ROOF LINE AND AT LEAST 12" FROM ANY VERTICAL SURFACE. VENTS SHALL NOT TERMINATE WITHIN 10 FT. OF A MECHANICAL AIR INTAKE OR OPENING INTO THE BUILDING.
6. ALL PIPE, TUBE, FITTINGS SOLVENT CEMENT, SEALANTS AND SOLDER/FLUX USED IN POTABLE WATER SYSTEMS SHALL COMPLY WITH NSF 61 PER SECTION 604.1 AND PER TABLE 604.1 (NOT INCLUDED)
7. ALL MATERIALS AND EQUIPMENT INTENDED TO CONVEY POTABLE WATER FOR USE BY HUMANS SHALL NOT EXCEED THE LEAD CONTENT MAXIMUMS LISTED IN SECTION 604.2.
8. IN BUILDINGS WITH BOTH POTABLE AND NON-POTABLE WATER, THE PIPE SHALL BE IDENTIFIED TO DIFFERENTIATE THE TWO PER SECTION 601.3. REFER ALSO TO THE REQUIREMENTS OF THE SPECIFICATIONS.
9. PROVIDE CLEANOUTS AS SHOWN ON PLAN AND, AT A MINIMUM, TO COMPLY WITH THE REQUIREMENTS OF SECTION 707.0.
10. PROVIDE SUDS RELIEF ARRANGEMENT OF PIPE PER SECTION 711.1 WHERE SUDS PRODUCING FIXTURES DISCHARGE INTO A RISER SERVING 3 OR MORE STORIES.
11. PROVIDE ALL HOT WATER HEATING DEVICES WITH PRESSURE AND TEMPERATURE LIMITING SAFETY DEVICES PER SECTION 504.4 AND 504.5.
12. THE POTABLE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO USE. THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL POTABLE WATER APPEARS AT ALL OUTLET POINTS. THE SYSTEM SHALL THEN BE FILLED WITH A WATER-CHLORINE SOLUTION PER SPC 609.9(2) AND THEN THE SYSTEM SHALL BE FLUSHED PER SPC 609.9(3).



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PROJECT ARCHITECT
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PLUMBING LEGEND, CODE AND PLUMBING NOTES

P0.1
 2208

PLUMBING FIXTURE SCHEDULE							
FIXTURE	MARK	SERVICE CONNECTION				FIXTURE DESCRIPTION	REMARKS
		WASTE	VENT	CW	HW		
ROOF DRAIN	RD-1	3"	-	-	-	GENERAL ROOF DRAIN AND OVERFLOW DRAIN WITH 3" DIAMETER OUTLETS , 2" WEIR ON SECONDARY DRAIN. BASIS ZURN Z164	
DOWNSPOUT NOZZLE	DN-1	4"	-	-	-	DOWNSRPOUT NOZZLE. 4" NO HUB, ALL NICKEL BRONZE BODY. BASIS: ZURN Z199	
HOSE BIBB	HB-1	-	-	1-1/2"	-	LOW LEAD CAST BRONZE, 3/4" PIPE CONNECTION, ZURN 195XL SERIES.	
FLOOR DRAIN	FD-1, FD-2	2"	2"	3/8"	-	FD-1: GENERAL ROOM FLOOR DRAIN, 6" DIAMETER TYPE B STRAINER, CAST IRON BODY, ADJUSTABLE COLLAR, NICKEL BRONZE ADJUSTABLE STRAINER HEAD, TRAP PRIMER CONNECTION. BASIS:ZURN Z415B. FD-2: SAME AS FD-1 BUT WITH FUNNEL CONNECTION.	1
TRENCH DRAIN	TD-1	4"	-	-	-	CLASS A TRENCH DRAIN. 12" WIDE PERFORATED STAINLESS STEEL GRATE. BASIS: SMITH MFG. 9960 SERIES	1
HUB DRAIN	HD-1	2"	2"	-	-	GENERAL CONDENSATE PIPE DRAIN, 2" DIAMETER PIPE SIZE, CAST IRON COMBINATION FUNNEL AND TRAP DRAIN, COMPLETE WITH BRONZE BOTTOM CLEANOUT PLUG. BASIS: ZURN Z1019.	1
FLOOR CLEANOUT	FCO	-	-	-	-	ROUND WITH NICKEL BRONZE SCORED FRAMES AND PLATES. BRONZE SCORIATED COVER, VANDAL PROOF. BASIS: J. R. SMITH 4020	
GRADE CLEANOUT	GCO	-	-	-	-	ADJUSTABLE CLEAN OUT WITH POLYPROPYLENE CLEANOUT PLUG WITH THREADED BRASS INSERT. PROVIDE PVC TO CAST IRON HUB. BASIS: ZURN Z1400.	
TRAP PRIMER	ETP-1	-	-	3/4"	-	SURFACE MOUNTERD ELECTRONIC TRAP PRIMER, 120V, 6W. BASIS: PPP PRIME-TIME	
LAVATORY	L -1	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED SINGLE CENTER HOLE LAVATORY, VITREOUS CHINA FOR CONCEALED CARRIER, WITH OVERFLOW. ADA COMPLIANT. BASIS: KOHLER K-2028-1. FAUCET: MOEN CAB302 SERIES. 0.5 GPM MAX AERATOR, WITH MIXING VALVE, TEMPERING VALVE AND SELF SUSTAINING POWER SYSTEM. TRAPS AND TAILPIECES: MCGUIRE OR EQUAL, 1-1/2" CHROME PLATED CAST BRASS P-TRAP AND TAILPIECE. SUPPLIES: BRASSCRAFT OR EQUAL BY MCGUIRE OR EASTMAN, MULTI-TURN ANGLE STOP W/LOOSE KEY. STAINLES STEEL. BRAIDED FLEXIBLE RISERS. PROVIDE INSTALLED WITH CONCEALED ARM CARRIER. MIXING VALVE: ASSE 1070 3 PORT MIXING VALVE	3
OVERFLOW SCUPPER	OS-1	-	-	-	-	18" X 8" CONDUCTOR HEAD, 2" X 3" DOWNSPROUT. BASIS: DYNACLAD WATER CONTROL	
SINK	S-1	2"	2"	1/2"	1/2"	STAINLESS STEEL SINK. BASIS: ELKAY CR3122; FAUCET: MOEN 7594E GPM AERATOR. TRAPS AND TAILPIECES: MCGUIRE OR EQUAL, 1-1/2" CHROME PLATED CAST BRASS P-TRAP AND TAILPIECE. SUPPLIES: BRASSCRAFT OR EQUAL BY MCGUIRE OR EASTMAN, STAINLESS STEEL BRAIDED FLEXIBLE RISERS. MULTI-TURN ANGLE STOP W/ LOOSE KEY.	2
WATER CLOSET	WC-1	4"	2"	1-1/4"	-	FLOOR-MOUNTED VITREOUS CHINA TOILET, ELONGATED BOWL. 1.28 GPF FLUSH VALVE. COORDINATE WITH ARCHITECT FOR COLORS/FINISHES. BASIS: AMERICAN STANDARD MADERA 3461.001. FLUSH MECHANISM: DUAL-FLUSH, CHROME PLATED CLOSET FLUSHOMETER. BASIS: SLOAN WES-111	
WATER CLOSET	WC-2	4"	2"	1-1/4"	-	FLOOR-MOUNTED VITREOUS CHINA TOILET, ELONGATED BOWL. 1.28 GPF FLUSH VALVE. ADA COMPLIANT. COORDINATE WITH ARCHITECT FOR COLORS/FINISHES. BASIS: AMERICAN STANDARD MADERA 3461.001. FLUSH MECHANISM: DUAL-FLUSH, CHROME PLATED CLOSET FLUSHOMETER. BASIS: SLOAN WES-111	

PLUMBING NOTES AND REMARKS:
GENERAL: EXTEND AND CONNECT PIPING TO ALL PLUMBING FIXTURES, FURNISH COMPLETE, FUNCTIONAL SYSTEM.
1. PROVIDE TRAP PRIMERS PIPED TO WATER SUPPLY.
2. PROVIDE WITH COUNTER MOUNTED INSTA-HOT WATER TAP.
3.

STORAGE TANK								
EQUIP ID	LOCATIONS	SERVES	MATERIAL	STORAGE	OPER WEIGHT MAX LBS	BASIS OF DESIGN		REMARKS
						MANUFACTURER	MODEL	
WST-1	FILTER ROOM	BACKWASH BUFFER TANK	POLYPROPYLENE	1000 GAL	8540	NORWESCO	44045	1,2,3,4

NOTES:
1. PROVIDE WITH MIN. 4" HOUSEKEEPING PAD.
2. OPEN TOP INLET AND THREADED OR FLANGED OUTLET AT BOTTOM TO DRAIN COMPLETELY.
3. PROVIDE WITH FLOW LIMITING VALVE AT DISCHARGE. MAX. 100 GPM.
4. TANK MUST FIT THROUGH STANDARD SINGLE DOOR.

DOMESTIC HOT WATER HEATER AND ACCESSORIES SCHEDULE	
MARK	REMARKS
DHWH-1 DHWH-2	TANKLESS ELECTRIC WATER HEATER, 0.3 GPM MIN FLOW, 0.5 GPM MAX FLOW, 120 V, 60 HZ, 3 PHASE, 3.5 KW, 29 AMPS, (1 X 30) BREAKER SIZE, BASIS OF DESIGN: RHEEM RTEX-04.
TEMPERING VALVE	THERMOSTATIC MIXING VALVE. PROVIDE WITH LOCAL MIXING VALVE AT WATER HEATER PER DETAIL, AND REFER TO PLUMBING SCHEDULE FOR INDIVIDUAL FIXTURE TYPES WHICH REQUIRE POINT-OF-USE MIXING VALVES. SIZED TO MATCH FIXTURE LOAD. BASIS LAWLER, LEONARD, OR BY PRIOR APPROVAL.

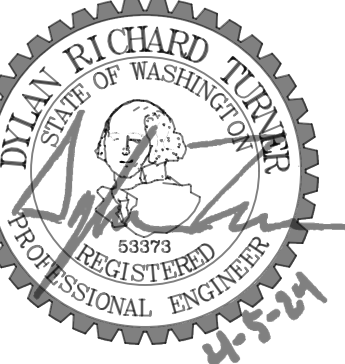


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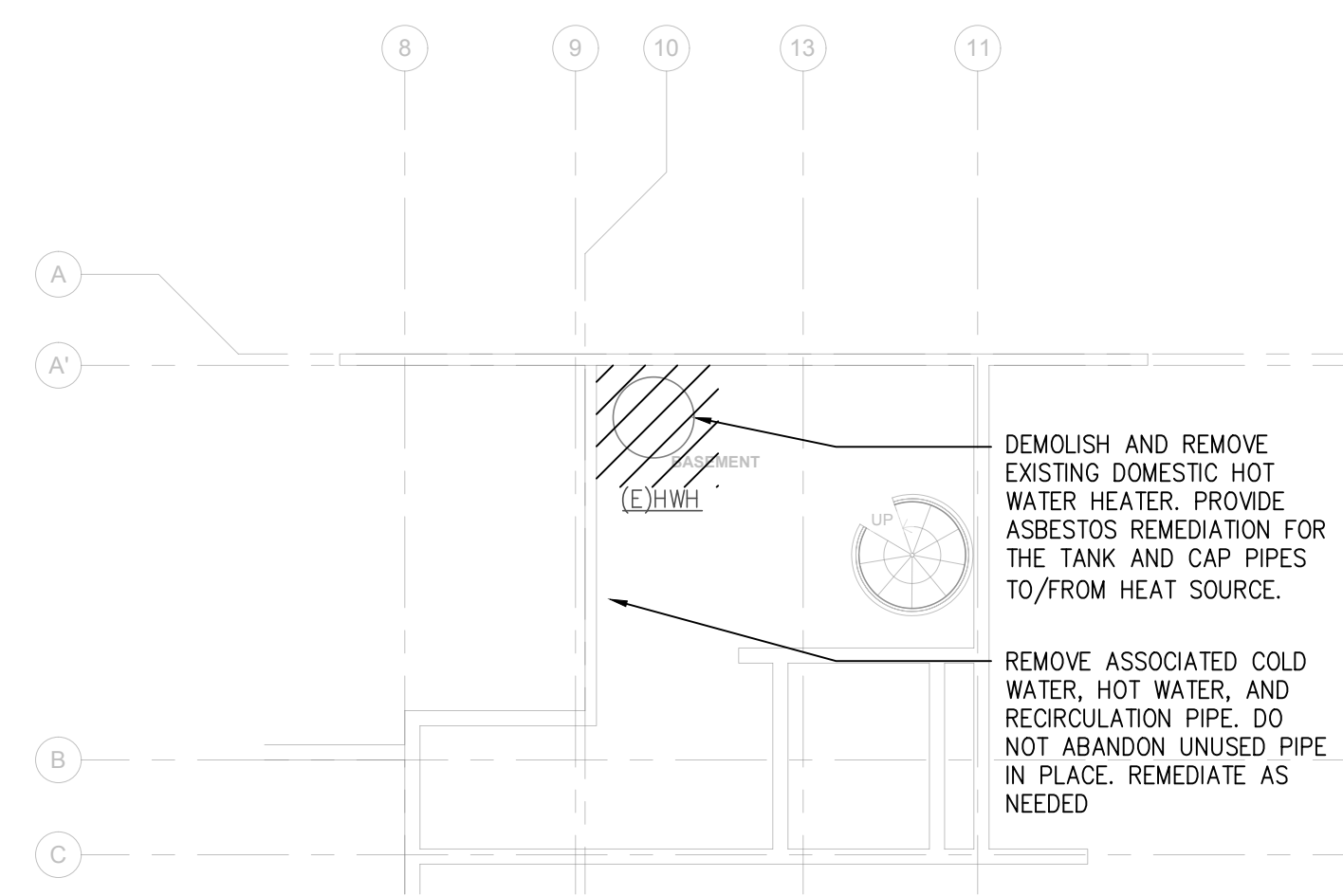
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PLUMBING SCHEDULES

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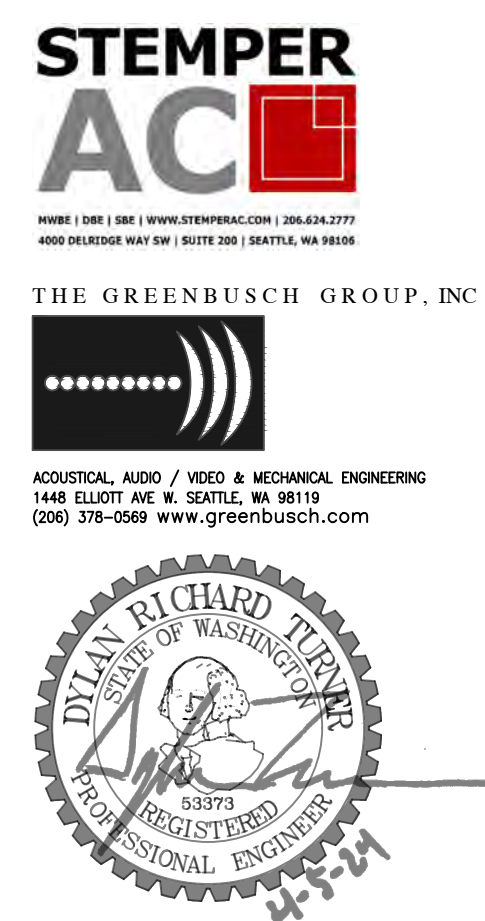
1 BASEMENT PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- SCOPE OF DEMOLITION WORK IS DIAGRAMMATIC IN NATURE. THE PLANS DO NOT ATTEMPT TO SHOW EVERY EXISTING FITTING OR DEVICE IN A SYSTEM WHICH MAY BE REQUIRED DEMOLITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS, DIMENSIONS AND QUANTITIES. WHERE A SYSTEM OR DEVICE IS INDICATED FOR DEMOLITION IT IS THE CONTRACTOR'S RESPONSIBILITY TO FULLY DEMOLISH THE INDICATED SYSTEM, MAKING SAFE ANY ELECTRICAL CONNECTIONS, CAPPING OF PIPES/DUCTS THAT ARE NOT FULLY DEMOLISHED, PROTECTING SYSTEMS WHICH ARE TO REMAIN, AND FULLY DISPOSING OF ALL DEMOLISHED EQUIPMENT THAT HAS NOT BEEN SPECIFIED TO BE RETAINED/SALVAGED TO THE OWNER.

SHEET NOTES:

- PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.
- EXISTING CHLORINE GAS LINE RUNS THROUGH THESE SPACES. TAKE EXTREME CAUTION NOT TO DAMAGE.
- REMOVE PIPE ASSOCIATED WITH EXISTING FIXTURES. CAP WASTE, VENT, HOT, COLD, AND RECIRCULATION.



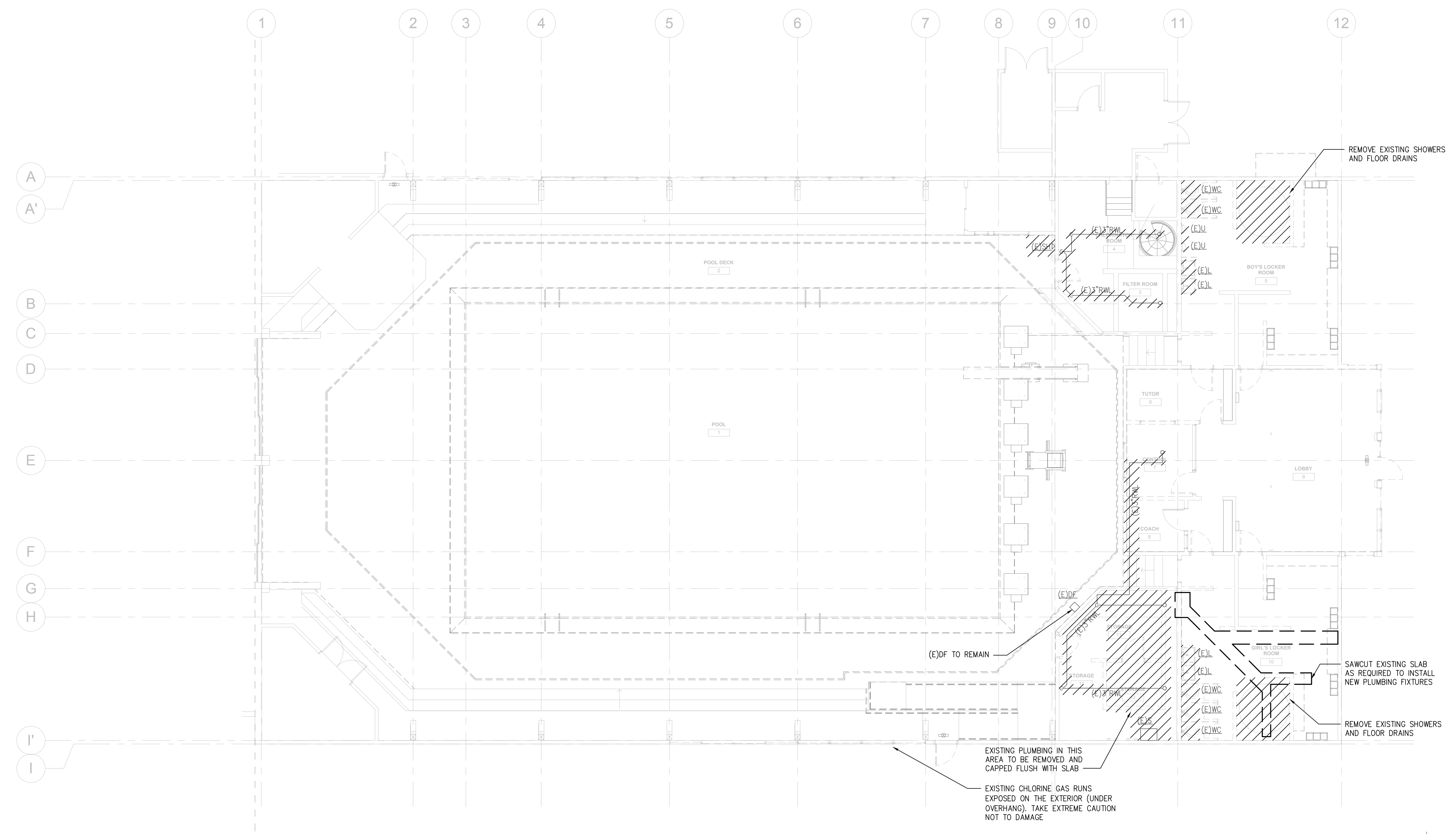
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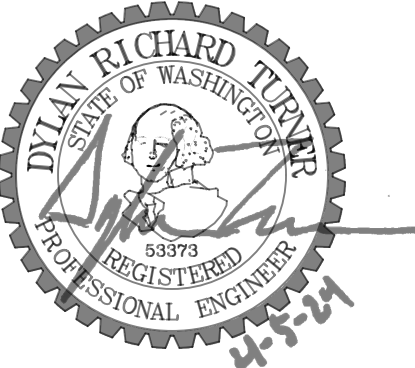
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PROJECT ARCHITECT
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FIRST FLOOR PLUMBING DEMOLITION PLAN

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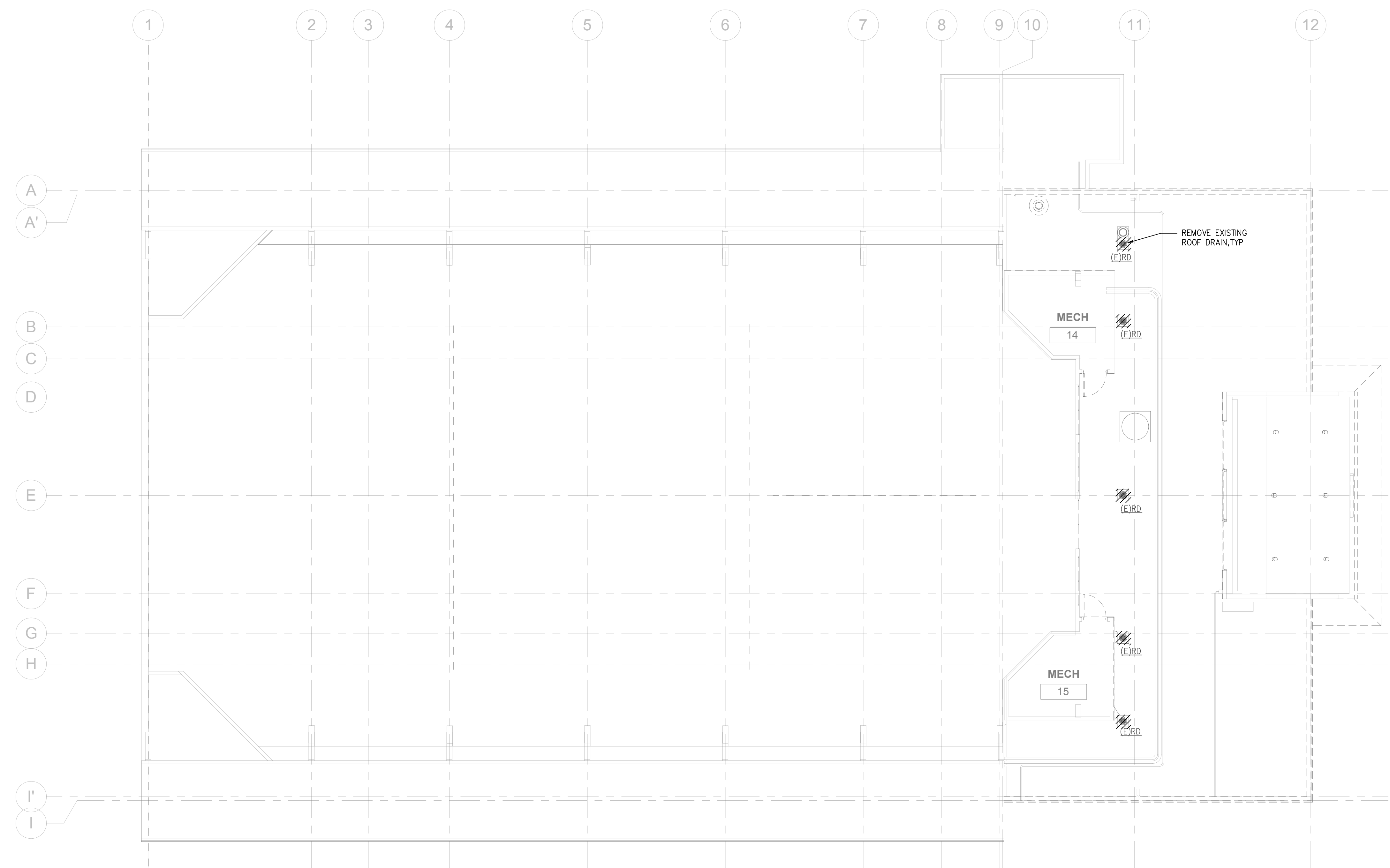


2 FIRST FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



SHEET NOTES:

1. PIPING IS DIAGRAMMATIC. FIELD VERIFY ALL CONDITIONS PRIOR TO THE START OF WORK.



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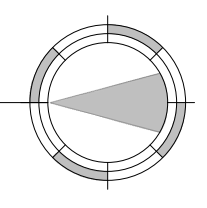
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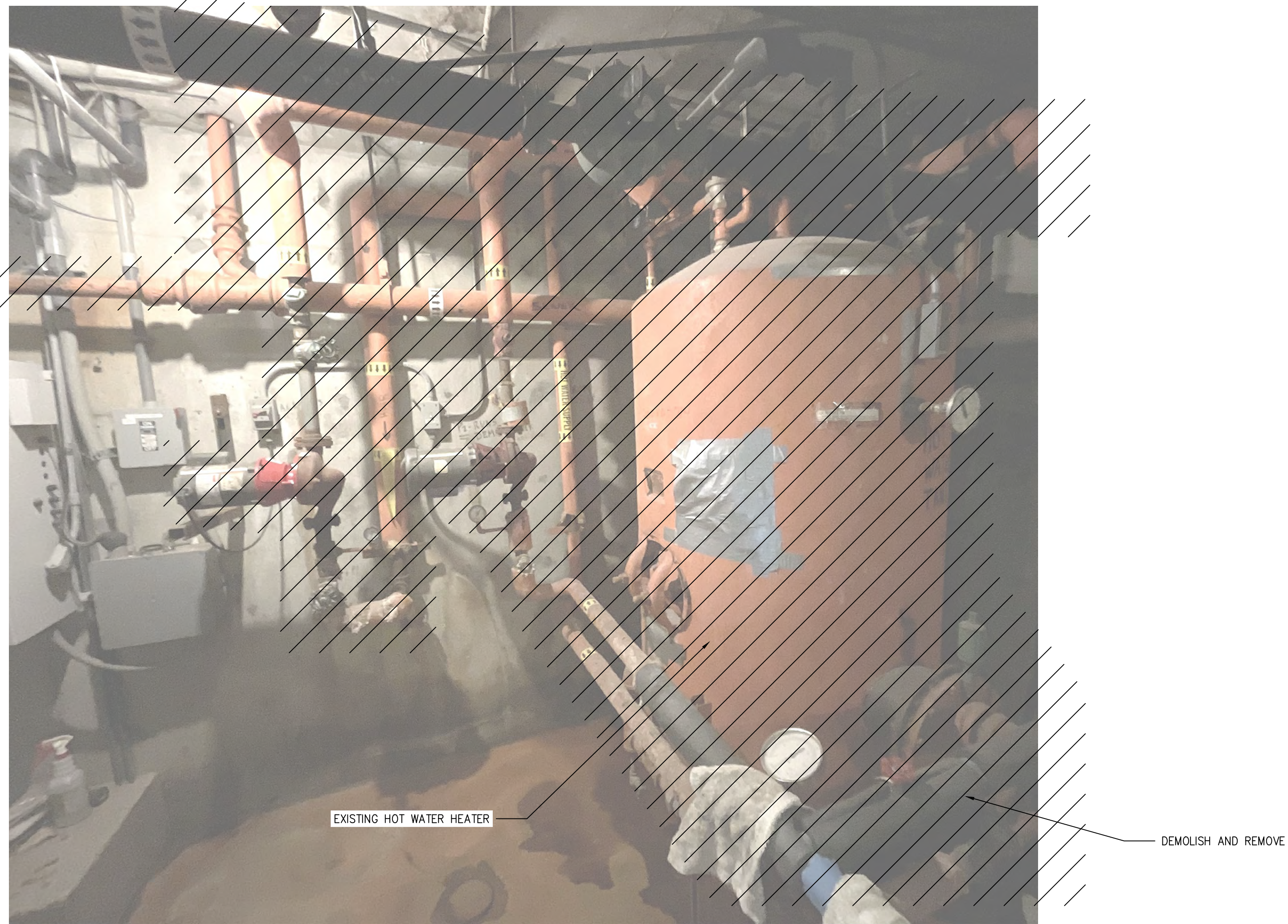
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PROJECT ARCHITECT
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ROOF PLUMBING DEMOLITION PLAN

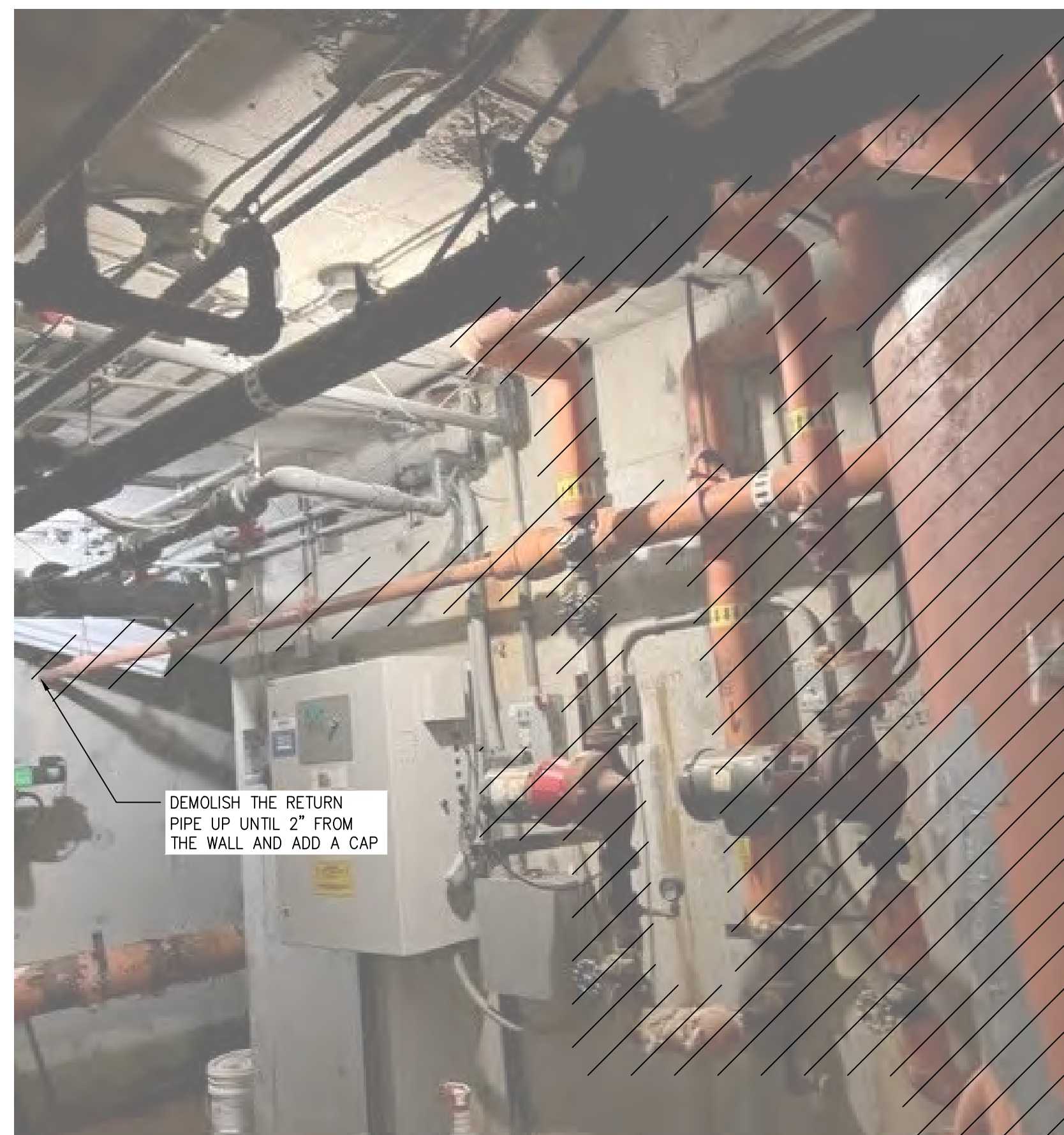
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1 ROOF PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"





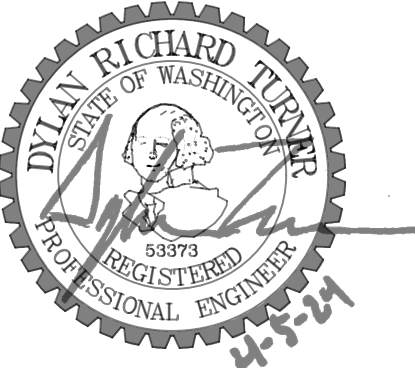
1 PLUMBING BASEMENT DEMOLITION
 PD2.0 SCALE: NTS



2 PLUMBING BASEMENT DEMOLITION
 PD2.0 SCALE: NTS



3 ROOF PLUMBING DEMOLITION
 PD2.0 SCALE: NTS



SHEET NOTES:

1. PIPING IS DIAGNAMTIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



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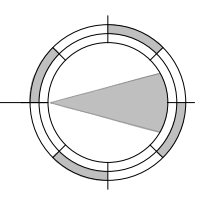
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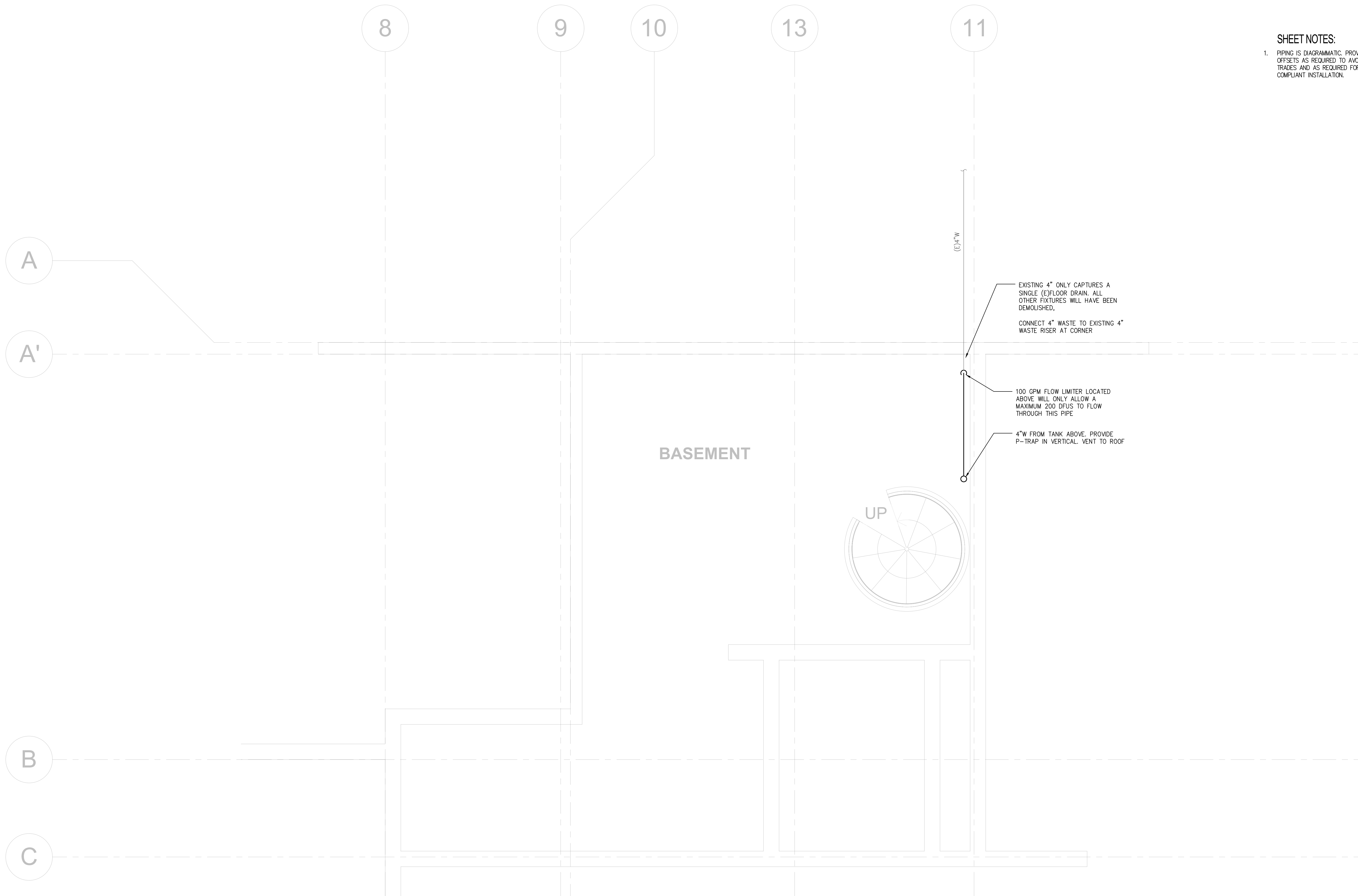
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PLUMBING FOUNDATION PLAN

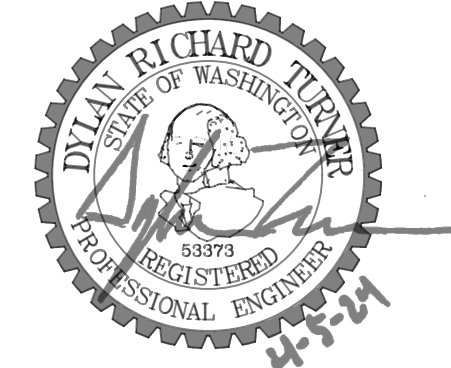
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SCALE:#####





SHEET NOTES:
 1. PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



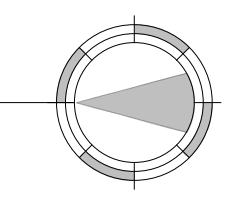
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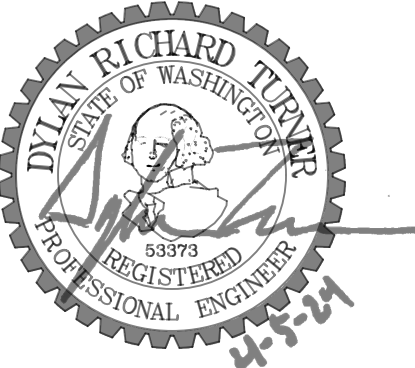
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PROJECT ARCHITECT
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BASEMENT FLOOR PLUMBING PLAN

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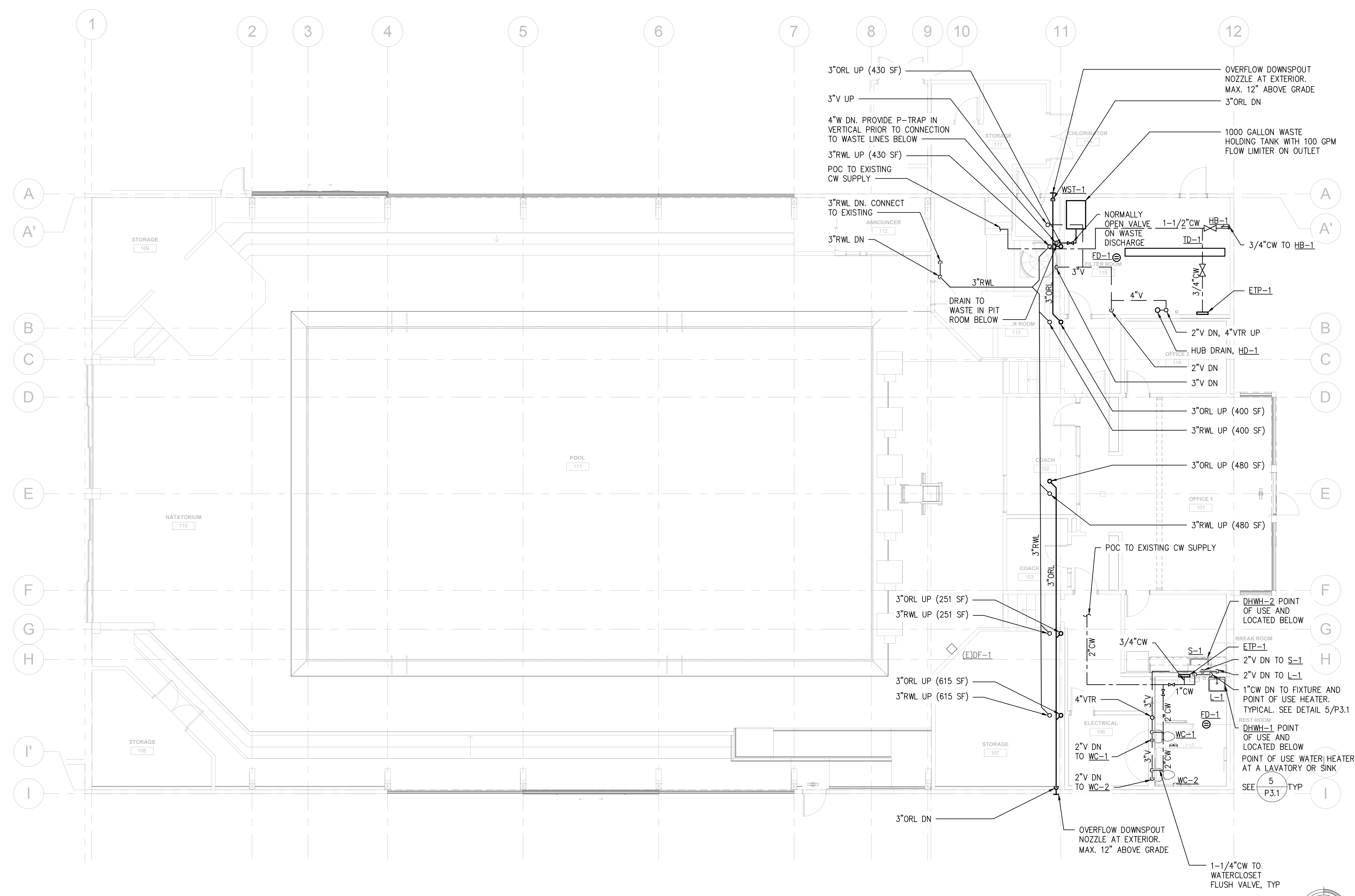
1 BASEMENT PLUMBING PLAN
SCALE: 1/2" = 1'-0"





SHEET NOTES:

1. PIPING IS DIAGNAMTIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



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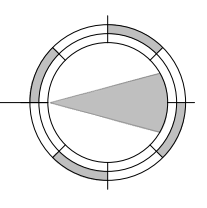
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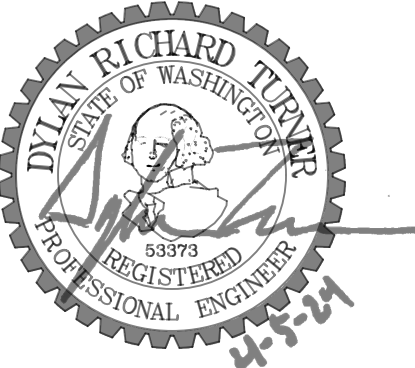
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FIRST FLOOR PLUMBING PLAN

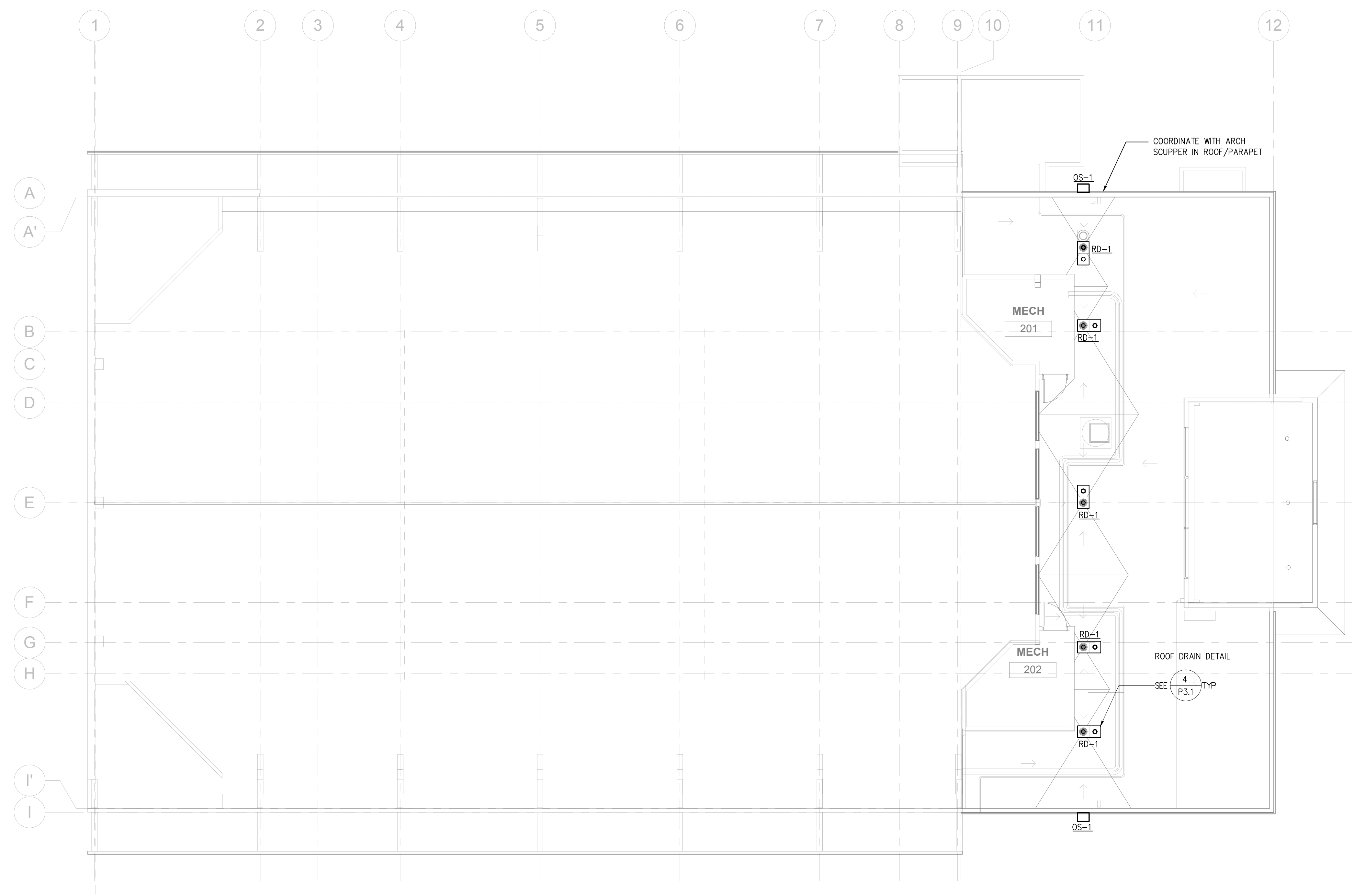
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SHEET NOTES:

1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



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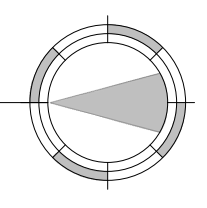
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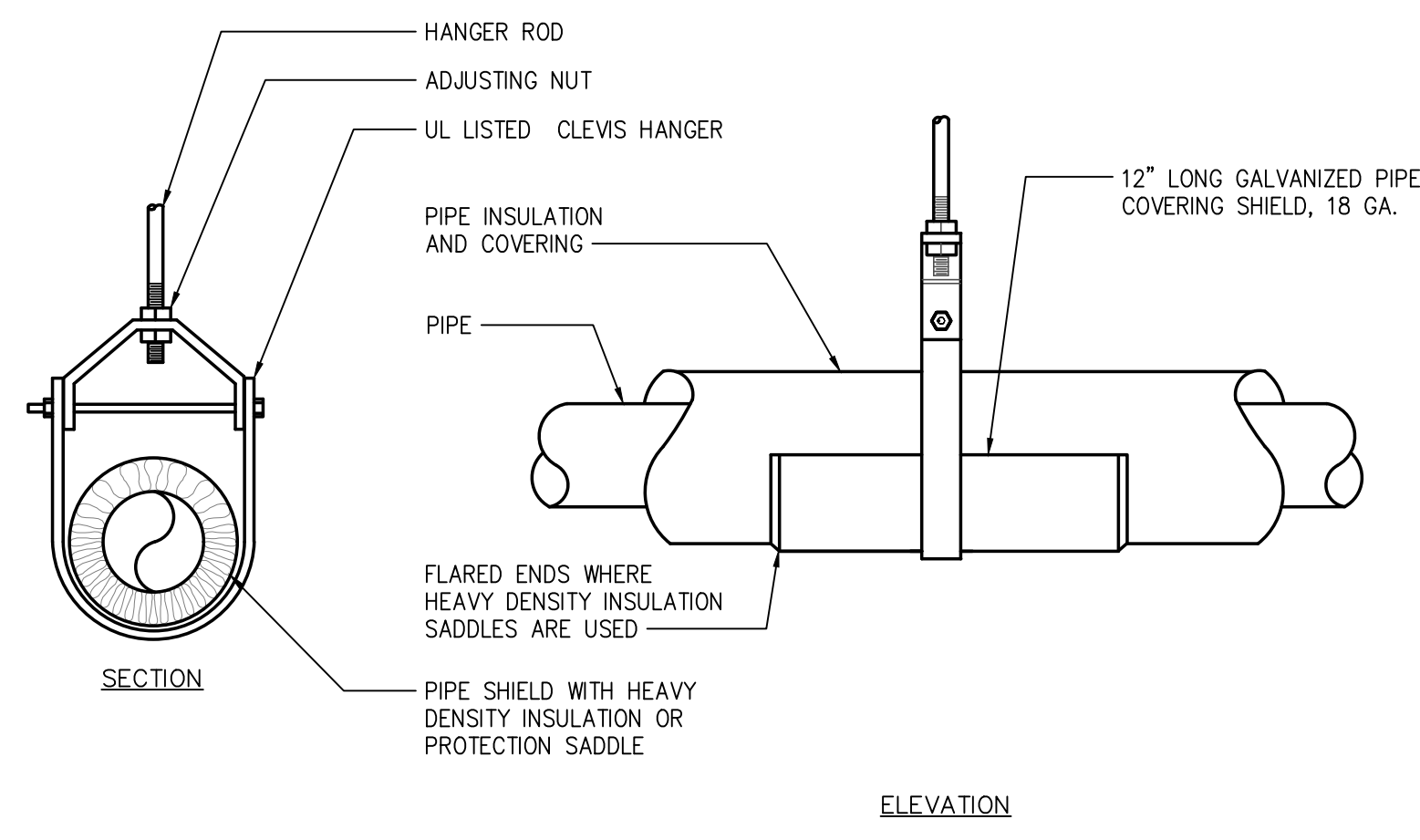
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ROOF PLUMBING PLAN

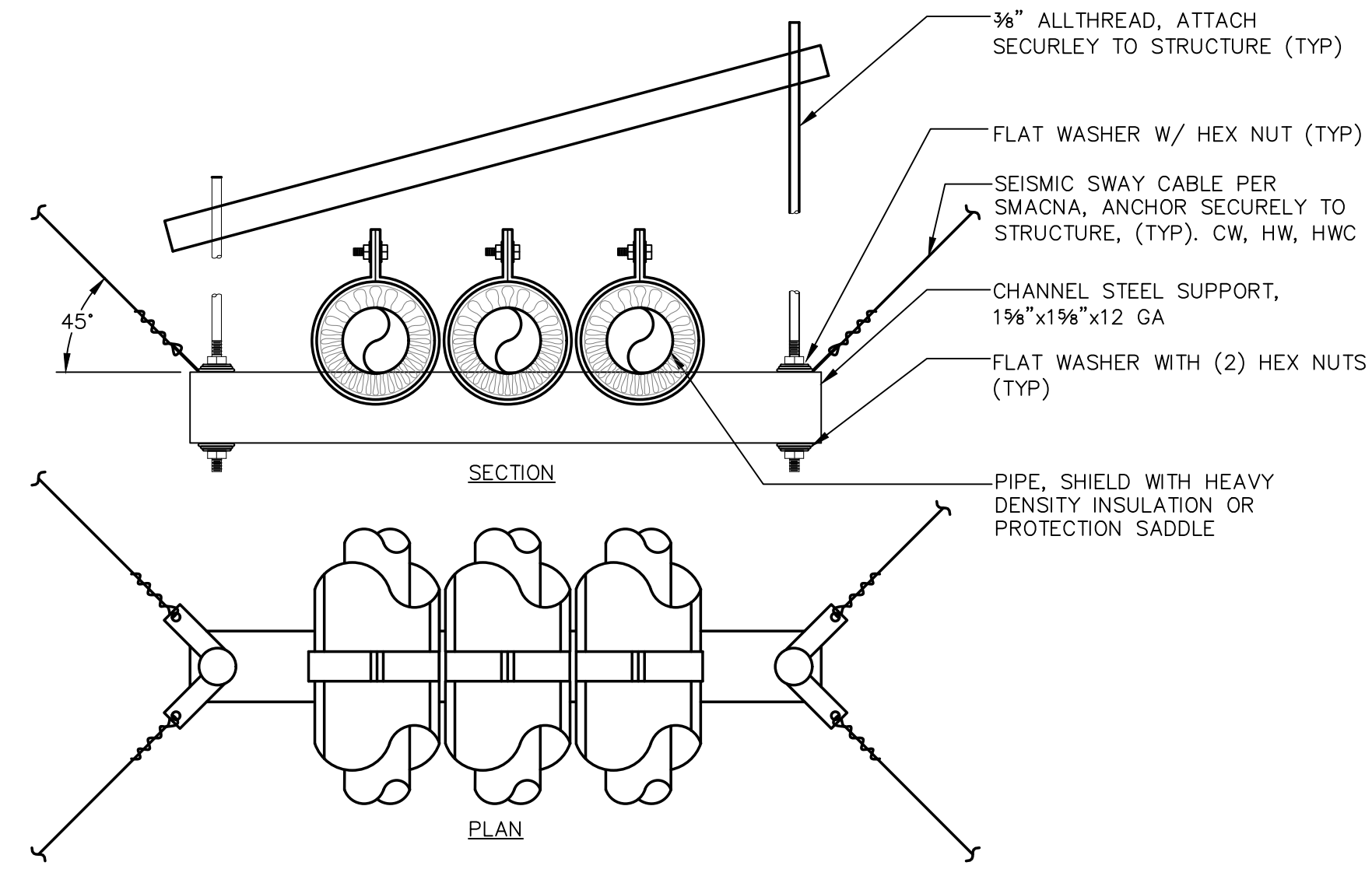
P2.2
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1 ROOF PLUMBING PLAN
SCALE: 1/8" = 1'-0"

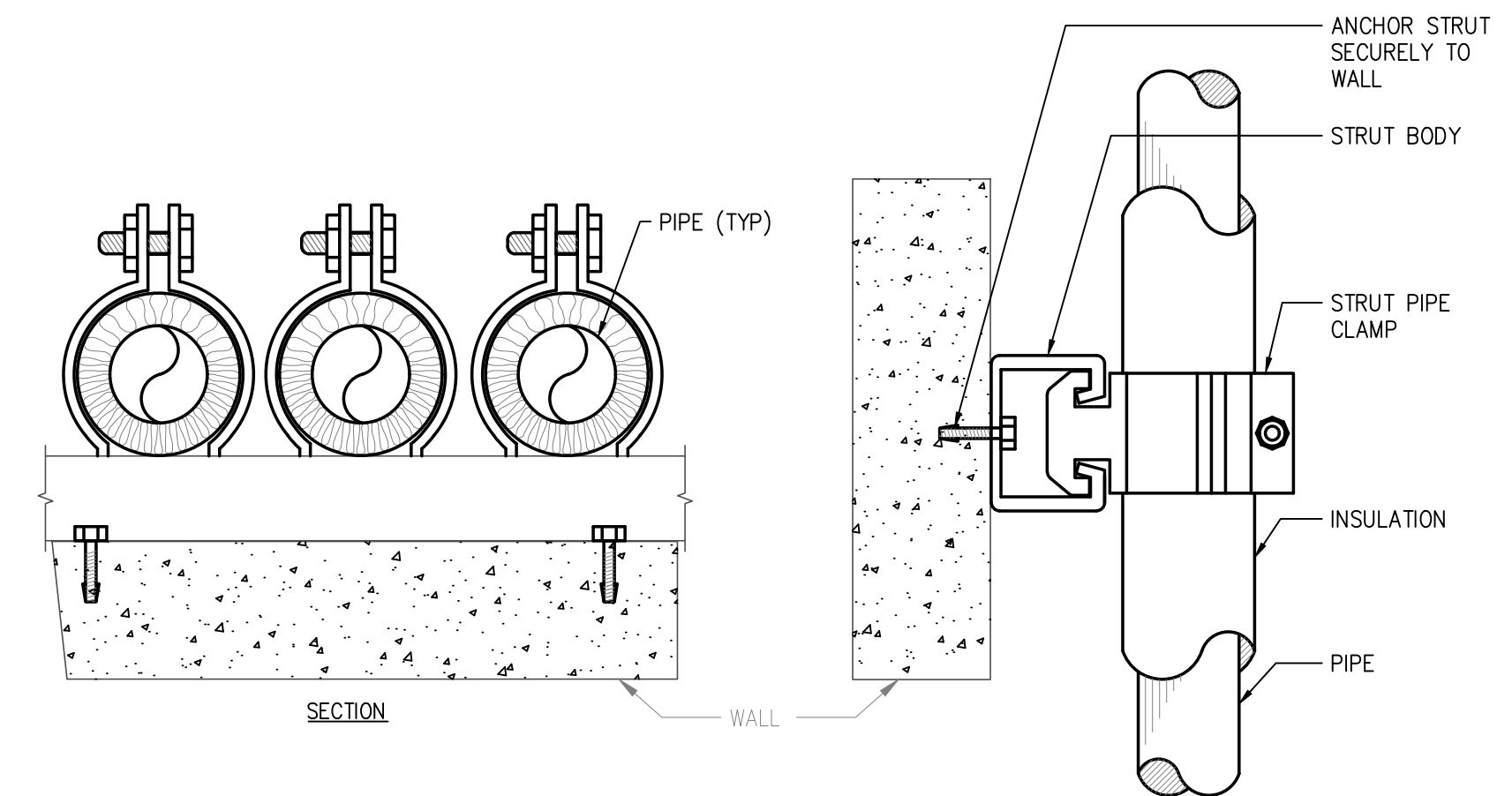




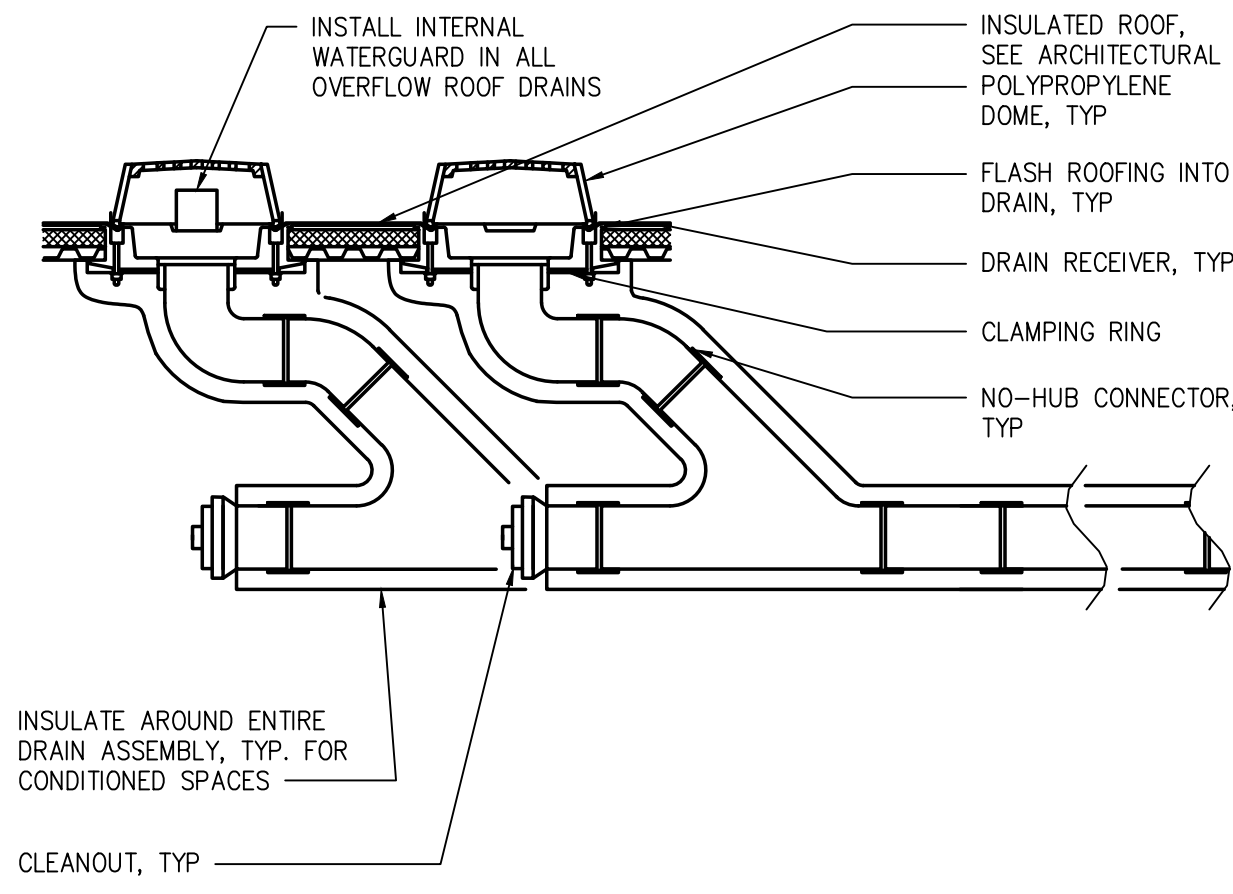
1 PIPE SUPPORT CLEVIS
P3.1 SCALE: NTS



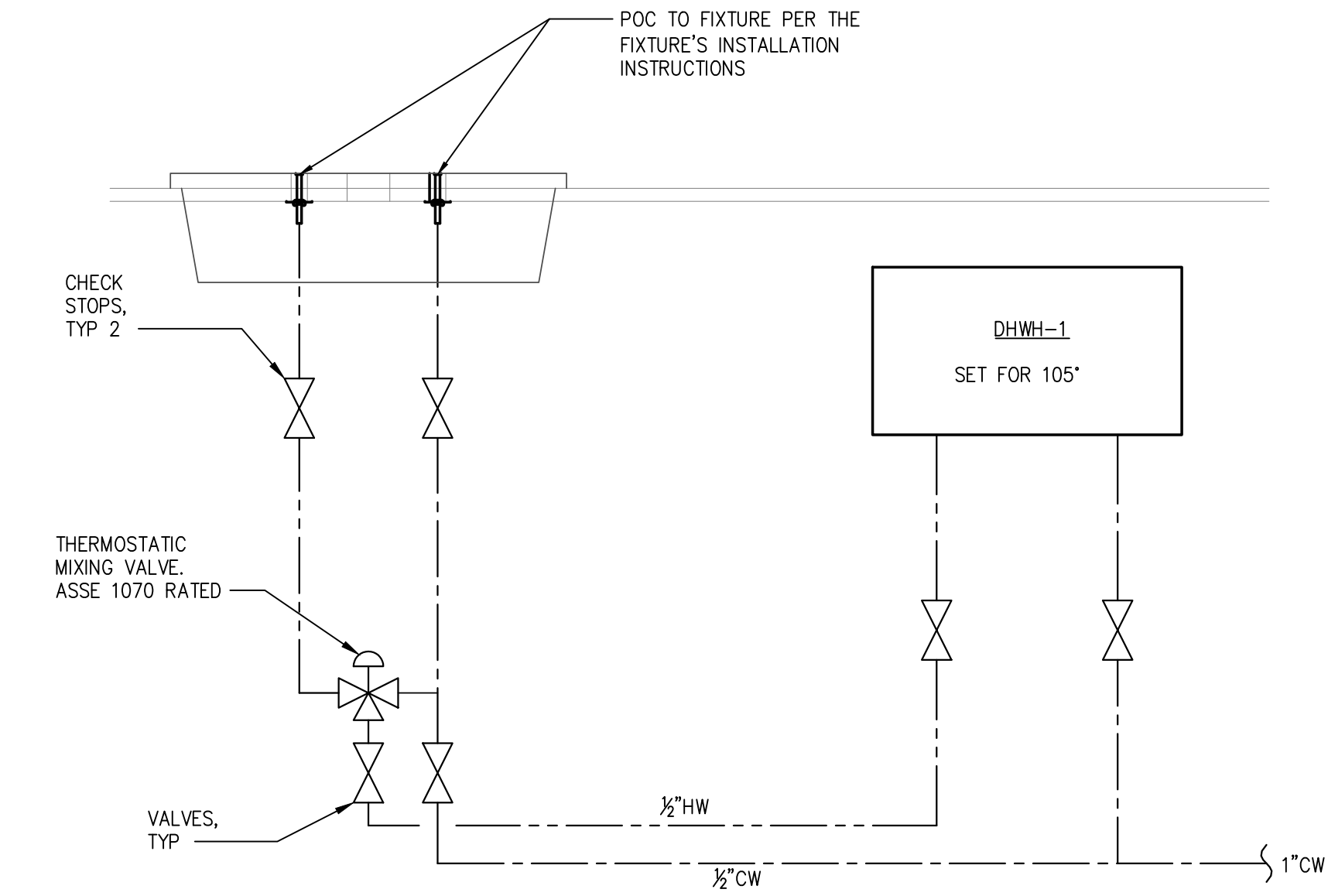
2 PIPE SUPPORT TRAPEZE
P3.1 SCALE: NTS



3 PIPE SUPPORT WALL MOUNT
P3.1 SCALE: NTS



4 ROOF DRAIN DETAIL
P3.1 SCALE: NTS



5 POINT OF USE WATER HEATER AT A LAVATORY OR SINK
P3.1 SCALE: NTS



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P3.1
2208

MECHANICAL LEGEND

MECHANICAL ABBREVIATIONS:	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AC		PIPE ELBOW DOWN		BACKDRAFT DAMPER
AFF		PIPE ELBOW UP		FIRE DAMPER
ASHRAE		FLANGE		FIRE AND SMOKE DAMPER
		FLEX CONNECTION		VOLUME DAMPER, MANUAL
BDD		TEE OUTLET UP		MOTOR OPERATED DAMPER
BFF		TEE OUTLET DOWN		DUCT OFFSET DOWN IN FLOW DIRECTION
BTUH		AUTOMATIC AIR VENT		DUCT OFFSET UP IN FLOW DIRECTION
CD		BALL VALVE		DUCT WITHOUT SOUND LINING
CFM		BALANCING VALVE		DUCT WITH INTERNAL ACOUSTICAL LINING
CIRC		BUTTERFLY VALVE		SINGLE LINE DUCT WITH INTERNAL LINING
CO		CHECK VALVE		FLEXIBLE CONNECTION OR FLEXIBLE DUCT
COND		GATE VALVE		FLEXIBLE DUCT
COORD		GLOBE VALVE		TRANSITION - RECTANGULAR TO ROUND
CW		PIPE SIZE REDUCTION		90° ROUND ELBOW (R/D OR R/W=1.5)
DEG		PIPE CAP		RECTANGULAR ELBOW WITH TURNING VANES
DIA		DIRECTION OF FLOW		SUPPLY AIR DUCT UP
DN		BREAK IN PIPE OR DUCT		SUPPLY AIR DUCT DOWN
DWG		CLEARANCE REQUIREMENT		SUPPLY DIFFUSER OR GRILLE
E		WORK TO BE REMOVED		LINEAR DIFFUSER
EA		REVISION CLOUD		SUPPLY AIR OUTLET, SIDEWALL
EAT		EQUIPMENT ITEM XX		RETURN AIR DUCT UP
EG		DIFFUSER TAG WITH CFM AMOUNT		RETURN AIR DUCT DOWN
ESP		DUCT DIMENSION TAG X PLAN OR HORIZONTAL DIMENSION Y ELEVATION OR VERTICAL DIMENSION		RETURN AIR GRILLE
EWT		FLAG NOTE		RETURN AIR INLET, SIDEWALL
EXIST		REVISION NOTE		EXHAUST DUCT UP
F		DETAIL OR SECTION CALLOUT		EXHAUST DUCT DOWN
FCO		SECTION CUT LINE		EXHAUST AIR GRILLE
FD		LINE, ARCH. BACKGROUND		EXHAUST AIR OUTLET, SIDEWALL
FD		LIGHT LINE, EXISTING		THERMOSTAT
FLA		HEAVY LINE, NEW WORK		CARBON DIOXIDE SENSOR
FOIC		COLD WATER		SENSOR
FPM		HEATING WATER SUPPLY		HUMIDISTAT
FT		HEATING WATER RETURN		SWITCH
G		REFRIGERANT SUCTION		TIMER SWITCH
GA		REFRIGERANT LIQUID		
GAL		CONDENSATE DRAIN		
GPM		COMPRESSED AIR		
GRD				
HP				
HVAC				
HWR				
HWS				
IE				
IN				
KW				
LAT				
LWT				
MBH				
MCA				
MFG				
MIN				
MOD				
NC				
NIC				
NFPA				
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NTS				
OA				
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QBD				
POC				
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SPD				
SPEC				
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TDH				
TPD				
TSP				
TYP				
V				
VD				
VTR				
WB				
W/				

MECHANICAL GENERAL NOTES

- THE CONTRACTOR'S SCOPE OF WORK SHALL CONSIST OF ALL WORK SHOWN ON THE DRAWINGS, INCLUDING PLANS, DIAGRAMS, DETAILS, ETC., AND ALL WORK AS IDENTIFIED IN THE SPECIFICATIONS. WORK INCLUDES FURNISHING, INSTALLING SYSTEM, INTEGRATION, TESTING, TRAINING AND WARRANTY OF THE MECHANICAL SYSTEMS AS SHOWN AND SPECIFIED.
- PROVIDE A COMPLETE AND OPERABLE MECHANICAL SYSTEM. THE SYSTEM SHALL BE PROVIDED COMPLETE WITH ALL MECHANICAL WORK AS REQUIRED FOR SYSTEM OPERATION PER THE SEQUENCE OF OPERATIONS.
- ALL MECHANICAL WORK SHALL COMPLY WITH LOCAL CODES AND REGULATIONS. WHERE WORK SHOWN IS IN CONFLICT WITH THE LOCAL CODE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF THE CONFLICT AND WAIT FOR WRITTEN RESOLUTION PRIOR TO PROCEEDING. WHERE WORK IS SHOWN TO BE ABOVE AND BEYOND THE REQUIREMENTS OF THE CODE, PROVIDE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
- THE DESIGN OF MECHANICAL SYSTEMS HAS BEEN BASED UPON THE EQUIPMENT AS MANUFACTURED BY THE MANUFACTURERS LISTED ON THE EQUIPMENT SCHEDULES OR IN THE SPECIFICATIONS. EQUIPMENT NAMED IN THE SPECIFICATIONS MAY BE SUBSTITUTED PROVIDED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL SCHEDULED AND SPECIFIED CRITERIA AND HAS THE PRIOR WRITTEN APPROVAL OF THE ENGINEER. COORDINATE REVISIONS TO THE INSTALLATION WITH ALL TRADES AND GUARANTEE IN WRITING THAT NO ADDITIONAL COST WILL BE INCURRED DUE TO PRODUCT SUBSTITUTION.
- CONTRACTOR SHALL FIELD VERIFY ALL BUILDING AND SITE DIMENSIONS BEFORE BEGINNING CONSTRUCTION OR ORDERING EQUIPMENT. DO NOT SCALE FROM PLANS. PLANS PROVIDED ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED OFFSETS, TRANSITIONS, OR CHANGES IN DIRECTION. PROVIDE ALL OFFSETS REQUIRED.
- DUCT SIZES SHOWN ON PLAN ARE INTENDED TO INDICATE THE REQUIRED INTERIOR FREE AND CLEAR DIMENSIONS OF THE AIR STREAM. COORDINATE ACTUAL DUCT OUTER DIMENSIONS WITH REQUIREMENTS FOR HANGERS, SUPPORTS, THERMAL AND ACOUSTICAL INSULATION.
- CONTRACTOR SHALL COORDINATE ALL MECHANICAL WORK WITH OTHER TRADES AND SUBCONTRACTORS PRIOR TO INSTALLATION OF ANY WORK BY ANY TRADES. DURING COORDINATION EFFORTS DUCT ROUTING SHALL TAKE PRECEDENCE OVER PLUMBING PIPE AND FIRE SPRINKLER WORK. PROVIDE SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO INSTALLATION AND FABRICATION TO DOCUMENT THE RESULTS OF THE COORDINATION.
- PENETRATIONS THROUGH ROOF OR EXTERIOR WALLS SHALL BE SEALED WEATHER TIGHT. PENETRATIONS THROUGH CEILING OR INTERIOR WALLS SHALL BE SEALED SUBSTANTIALLY AIRTIGHT. BELOW GRADE WALLS OR SLABS SHALL BE SLEEVED AND SEALED WATERTIGHT. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE TREATED TO MEET OR EXCEED THE FIRE RATINGS OF SUCH WALLS.
- CONFINE THE APPLICATION OF FLEXIBLE DUCTWORK TO LOCATIONS INDICATED BY THE CONTRACT DOCUMENTS. MAXIMUM LENGTH OF FLEXIBLE DUCTWORK SHALL NOT EXCEED SIX FEET WHERE ALLOWED BY THE CONTRACT DOCUMENTS.
- PROVIDE ALL REQUIRED ELECTRICAL POWER, MOTOR STARTERS, DISCONNECTS, MOTOR CONTROL INTERFACES, CONTROL SWITCHES, AND CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION AND TO EXECUTE THE SEQUENCE OF OPERATIONS. COORDINATE LINE VOLTAGE WORK REQUIREMENTS WITH THE JOBSITE ELECTRICAL CONTRACTOR.
- PROVIDE ALL REQUIRED EQUIPMENT GUARDS AND STRUCTURAL SUPPORTS AS RECOMMENDED BY EQUIPMENT MANUFACTURERS TO SUPPORT EQUIPMENT AND TO ASSURE SYSTEM PERFORMANCE AND SAFE OPERATION. COORDINATE PRIOR TO INSTALLATION.
- PROVIDE ACCESS PANELS AS REQUIRED TO MAINTAIN EQUIPMENT, ACCESS VALVES, AND DUCT ACCESSORIES. COORDINATE FIRE RATING OF SUCH PANELS WITH THE ARCHITECTURAL DOCUMENTS. ACCESS PANELS SHALL BE MINIMUM SIZE REQUIRED TO SERVICE EQUIPMENT PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. IF NO MINIMUM SIZE IS GIVEN THE PANEL SHALL BE NO SMALLER THAN 12" X 12" IN SIZE.
- COORDINATE LOCATION OF ALL THERMOSTATS, AND ALL WALL MOUNTED EQUIPMENT, WITH THE ARCHITECT. THE LOCATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS. IF NOT SHOWN ON ARCHITECTURAL ELEVATIONS, MOUNT WITH TOP OF EQUIPMENT NO HIGHER THAN 44" ABOVE FINISHED FLOOR.
- PROVIDE UNIT SUPPORT PER MANUFACTURERS RECOMMENDATIONS. BUILDING AND STRUCTURE IS DESIGNED TO SUPPORT EQUIPMENT, BUT NOT DETAILED TO ACCOMMODATE EACH AVAILABLE EQUIPMENT CONFIGURATION OR MANUFACTURER. CONTRACTOR SHALL PROVIDE MATERIALS AND SERVICES INCLUDING BUT NOT LIMITED TO, ADDITIONAL STEEL, SUPPORT BRACKETS, HANGERS, ACCESSORIES, AND STRUCTURAL ENGINEERING AS REQUIRED TO SUPPORT EQUIPMENT.
- PROVIDE FRAMING, CUTTING, BLOCKING AND PATCHING AS REQUIRED.
- SEAL ALL DUCT JOINTS AND SEAMS WITH DUCT MASTIC. WHERE SEAMS ARE EXPOSED OR WILL BE VISIBLE TO THE OCCUPANT MASTIC SHALL BE APPLIED USING METHODS WHICH LEAVE THE RESULTING SEAL CLEAN AND TIDY. COORDINATE WITH ARCHITECTURAL SCOPE IF DUCTS ARE TO BE PAINTED AND TREAT DUCT SEALS APPROPRIATELY.
- PROVIDE MINIMUM 1" THICK ACOUSTICAL INSULATION AT THE FOLLOWING LOCATIONS: 1) DUCT WORK WITHIN 10' OF THE FAN; 2) MIXED AIR AND ECONOMIZER PLENUMS; 3) PLENUMS UPSTREAM OF RETURN FANS; 4) TRANSFER AIR DUCTS; AND 5) AS SHOWN ON THE DRAWINGS.
- PROVIDE VOLUME DAMPERS AT EACH GRILLE, REGISTER, OR DIFFUSER SHOWN ON PLAN. PROVIDE AT BRANCH DUCTS AS SHOWN ON THE PLANS. VOLUME DAMPERS SHOWN AT SOME, BUT NOT ALL, LOCATIONS ON PLAN DOES NOT WAIVE THIS REQUIREMENT. LOCATE DAMPER OPERATOR IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL OR REMOTE ACTUATION IF ABOVE HARD-LID. FLAG EACH CONCEALED VOLUME DAMPER WITH MIN 12" LONG ORANGE TAPE UPON INSTALLATION SO THEY MAY BE EASILY IDENTIFIED.
- MAINTENANCE PROVISIONS: PROVIDE FLANGES OR UNIONS AT ALL PIPE CONNECTIONS TO EQUIPMENT TO ALLOW FOR REMOVAL OR DISASSEMBLY FOR MAINTENANCE.
- PROVIDE PRESSURE AND TEMPERATURE TEST PORTS AT THE SUPPLY AND RETURN OF EACH PIECE OF EQUIPMENT.
- REFRIGERANT PIPE SIZES SHOWN ON PLAN ARE FOR REFERENCE ONLY. REFRIGERANT PIPING SHALL BE SIZED AND INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. REFRIGERANT PIPE SHALL BE INSTALLED INSULATED FOR ITS ENTIRE LENGTH.
- WHERE SPLIT SYSTEM EQUIPMENT REQUIRES CONTROL OR POWER WIRING BETWEEN INDOOR AND OUTDOOR UNITS THE MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE THE REQUIRED CONDUIT, WIRE, AND SHALL COORDINATE AND PAY FOR THE SUPPORT OF THE JOBSITE ELECTRICIAN FOR ANY LINE/HIGH VOLTAGE WORK REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE SELF-REGULATING HEAT TRACE TO ALL PIPE EXPOSED TO FREEZING CONDITIONS. INSULATE ABOVE HEAT TRACE WITH A MINIMUM OF 1.5" THICK INSULATION. INSULATION SHALL BE SUITABLE FOR THE APPLICATION AND ENVIRONMENTAL CONDITIONS.
- WHERE NON-METAL PIPE IS INSTALLED UNDERGROUND PROVIDE INSULATED TRACER WIRE ALONG THE PIPE'S PATH. THE TRACER WIRE SHALL BE SUITABLE FOR DIRECT BURIAL AND TERMINATE ABOVE GRADE ON BOTH ENDS OF THE PIPE RUN.

APPLICABLE CODES

- 2018 WASHINGTON STATE BUILDING CODE
- 2018 WASHINGTON STATE ENERGY CODE
- 2018 WASHINGTON STATE MECHANICAL CODE

MECHANICAL INDEX

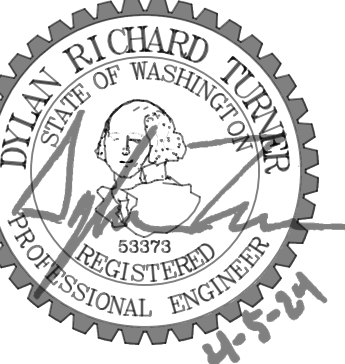
P2.0	BASEMENT FLOOR PLUMBING PLAN
M0.1	MECHANICAL GENERAL NOTES AND LEGEND
M0.2	ENERGY AND MECHANICAL CODE NOTES
M0.3	MECHANICAL SCHEDULES
MD1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN
MD1.2	MECHANICAL ROOF DEMOLITION PLAN
MD2.0	MECHANICAL DEMOLITION PHOTOS
MD2.1	MECHANICAL DEMOLITION PHOTOS
M1.0	FIRST FLOOR HVAC PLAN
M2.0	FIRST FLOOR PIPING PLAN
M3.0	MECHANICAL ROOF PLAN
M4.1	MECHANICAL DETAILS
M4.2	MECHANICAL DETAILS
M4.3	MECHANICAL DETAILS



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BID SET PHASE 1 4-5-24

REVISIONS # DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

MECHANICAL GENERAL NOTES AND LEGEND

M0.1

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2018 WASHINGTON STATE ENERGY CODE NOTES

- PROVIDE RECORD DOCUMENTS IN ACCORDANCE WITH SECTION C103.6.1. PROVIDE OPERATION AND MAINTENANCE MANUALS IN ACCORDANCE WITH SECTION C103.6.2. PROVIDE THE OWNER WITH THE COMPLIANCE DOCUMENTS REQUIRED BY SECTION C103.6.3. REFER ALSO TO THE PROJECT SPECIFICATIONS FOR ALL CLOSEOUT AND RECORD DOCUMENT REQUIREMENTS. THE DRAWINGS SHALL INDICATE, AT A MINIMUM, THE LOCATION AND PERFORMANCE DATA OF EQUIPMENT, AS-BUILT CONFIGURATION OF DUCTWORK AND PIPING DISTRIBUTION SYSTEMS, INCLUDING FLOW RATE, EQUIPMENT TAGS, AND FIELD VERIFIED DIMENSIONS.
- PROVIDE OWNER TRAINING PER SECTION C103.6.4 AND AS REQUIRED BY THE PROJECT SPECIFICATIONS. OWNER TRAINING MUST TAKE PLACE BEFORE OWNER OCCUPANCY BUT CAN TAKE PLACE AFTER SUBSTANTIAL COMPLETION HAS BEEN APPROVED.
- SEAL, GASKET, OR WEATHER STRIP ALL ACCESS DOORS AND PANELS THAT OPEN FROM CONDITIONED SPACES TO UNCONDITIONED SPACES AND PER SECTION C402.5.4.
- PROVIDE VARIABLE SPEED DRIVES FOR ALL FAN AND PUMP MOTORS GREATER THAN OR EQUAL TO 7.5 HP PER SECTION C403.2.3.
- HVAC EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING CONDITIONS NOT LESS THAN THE VALUES INDICATED IN TABLE C403.3.2(1)A THROUGH C403.3.2(12) OF THE WASHINGTON STATE ENERGY CODE AND AS INDICATED ON THE CONTRACT DOCUMENTS.
- MECHANICAL SYSTEM EQUIPMENT SIZING COMPLIES WITH ENERGY CODE COMPLIANCE LIMITS SECTION C403.3.1.
- PROVIDE EACH ZONE WITH THERMOSTATIC CONTROLS PER SECTION C403.4, AS REQUIRED BY THE PLANS, SPECIFICATIONS, AND TO FULFILL THE SEQUENCE OF OPERATIONS.
- PROVIDE DEAD BAND BETWEEN HEATING/COOLING SPACE SENSOR SETPOINTS OF 5 DEGREES AS REQUIRED BY SECTION C403.4.1.2 OR AS DESCRIBED IN THE TEMPERATURE CONTROL SEQUENCES. PROVIDE LIMIT SWITCHES PER SECTION C403.4.1.3. PROVIDE OFF HOUR CONTROLS (SETBACK, AUTOMATIC START/STOP, OFF HOUR SCHEDULING, ETC.) PER SECTION C403.4.2.
- SIMULTANEOUS HEATING AND COOLING TO INDIVIDUAL ZONES SHALL BE PROHIBITED AS DESCRIBED IN THE TEMPERATURE CONTROL SEQUENCES EXCEPT AS PERMITTED BY THE WASHINGTON STATE ENERGY CODE AND APPROVED BY THE BUILDING OFFICIAL.
- PROVIDE RELAYS AND CONTROLS CAPABLE OF DISABLING THE HEATING/COOLING, OR RESETTING THE ZONE TEMPERATURES, PER SECTION C403.4.1.6 WHERE AN OPERABLE DOOR OPEN FROM A CONDITIONED SPACE TO THE OUTDOORS.

- THE HVAC SYSTEM AND ITS CONTROLS SHALL ALLOW ECONOMIZER OPERATION AS THE FIRST STAGE OF COOLING WHENEVER MECHANICAL COOLING IS REQUIRED. AIR AND WATER ECONOMIZERS SHALL BE CAPABLE OF PROVIDING PARTIAL COOLING EVEN WHEN ADDITIONAL MECHANICAL COOLING IS REQUIRED TO MEET THE REMAINDER OF THE COOLING LOAD. REFER TO CONTROL SEQUENCES FOR MORE INFORMATION.

- INSULATE PIPE PER THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND PER SECTION C403.10.3 AND PER TABLE C403.10.3.

TABLE C403.10.3 – MINIMUM PIPE INSULATION THICKNESS (INCHES)

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU x IN/(H x FT ² x °F)	MEAN RATING TEMPERATURE, °F	<1"	1" TO < 1-1/2"	1-1/2" TO < 4"	4" TO <8"	≥8"
>350	0.32–0.34	250	4.5	5.0	5.0	5.0	5.0
251–350	0.29–0.32	200	3.0	4.0	4.5	4.5	4.5
201–250	0.27–0.30	150	2.5	2.5	2.5	3.0	3.0
141–200	0.25–0.29	125	1.5	1.5	2.0	2.0	2.0
105–140	0.21–0.28	100	1.0	1.0	1.5	1.5	1.5
40–60	0.21–0.27	75	0.5	0.5	1.0	1.0	1.0
<40	0.20–0.26	75	0.5	1.0	1.0	1.0	1.5

NOTE: REFER TO 2018 WSEC FOR TABLE FOOTNOTES.

- INSULATE ALL DUCT WORK PER THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND PER SECTION C403.10.1 AND PER TABLE C403.10.1.1 AND C403.10.1.2.

TABLE C403.10.1.1 – OUTDOOR AIR DUCTWORK INSULATION

DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	AIRFLOW	MINIMUM INSTALLED DUCT INSULATION R-VALUE
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	4C AND 5B	≥2800 CFM	R-16
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	4C	≥2800 CFM	R-8
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	5B	≥2800 CFM	R-12
OUTDOOR AIR	INSIDE CONDITIONED SPACE	4C AND 5B	<2800 CFM	R-7

NOTE: REFER TO 2018 WSEC FOR TABLE FOOTNOTES.

TABLE C403.10.1.2 – SUPPLY, RETURN AND RELIEF AIR DUCTWORK INSULATION

DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	R-VALUE
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER)	4C	R-8
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER)	5B	R-12
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE (ENCLOSED BUT NOT IN THE BUILDING CONDITIONED ENVELOPE)	4C AND 5B	R-6
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE WHERE THE DUCT CONVEYS AIR THAT IS WITHIN 15° OF THE AIR TEMPERATURE OF THE SURROUNDING UNCONDITIONED SPACE	4C AND 5B	R-3.3
SUPPLY AIR OR RETURN AIR	WHERE LOCATED IN A BUILDING ENVELOPE ASSEMBLY	4C AND 5B	R-16
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55°F OR GREATER THAN 105°F	4C AND 5B	R-3.3
SUPPLY AIR	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55°F OR GREATER THAN 105°F	4C AND 5B	NONE
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS 55°F OR GREATER AND 105°F OR LESS	4C AND 5B	NONE
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE, DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	R-8
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE, DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	5B	R-12
RETURN OR EXHAUST AIR	CONDITIONED SPACE AND DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C AND 5B	R-16

NOTE: REFER TO 2018 WSEC FOR TABLE FOOTNOTES.

- ALL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS FOR CONSTRUCTION OF GALVANIZED DUCTWORK. ALL DUCTWORK SHALL BE SEALED AS REQUIRED BY SECTION C403.10.2. DUCT TAPE NOT ALLOWED.

- DUCTWORK STATIC PRESSURE CLASSES:

DUCTWORK PRESSURE CLASSES

PRESSURE CLASS	WATER COLUMN OF ASSOCIATED EQUIPMENT
"LOW PRESSURE"	UP TO 2 INCHES
"MEDIUM PRESSURE"	GREATER THAN 2 INCHES TO LESS THAN 3 INCHES
HIGH PRESSURE"	3 INCHES AND ABOVE

- PROVIDE BALANCING DEVICES IN ALL BRANCH DUCTS AND PIPE RUNS TO TERMINAL DEVICES AS REQUIRED BY SECTION C408.2.2.1 AND C408.2.2.2 AND AS INDICATED ON THE CONTRACT DOCUMENTS. PROVIDE ALL BALANCING DEVICES NEEDED TO ADJUST EQUIPMENT TO THE DESIGN FLOW VALUES INDICATED ON THE PLANS AND SCHEDULES.

- PROVIDE ISOLATION VALVES FOR ALL EQUIPMENT CONNECTED TO FLUID PIPING.

- HVAC SYSTEMS SHALL BE BALANCED AS REQUIRED BY SECTION C408.2.2. CONTRACTOR SHALL HIRE A BALANCE SPECIALIST AND PROVIDE RESOURCES TO SUPPORT THE REQUIRED BALANCING ACTIVITIES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- CONTRACTOR SHALL PROVIDE COMMISSIONING AND REPORT OF COMMISSIONING SHALL BE SUBMITTED TO THE OWNER AS REQUIRED BY SECTION C408. COMMISSIONING SHALL CONSIST OF A COMMISSIONING PLAN, BALANCING, FUNCTIONAL PERFORMANCE TESTING, POST CONSTRUCTION COMMISSIONING, TRAINING, REPORTS AND ACCEPTANCE. SUBMIT COMMISSIONING COMPLIANCE CHECKLIST TO BUILDING OFFICIAL UPON COMPLETION. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- PROVIDE CLASS I MOTORIZED SHUTOFF DAMPERS AT ALL LOCATIONS REQUIRED BY SECTION C403.7.8.1.

- DAMPERS SHALL COMPLY WITH SECTION C403.7.8.3, INCLUDING DAMPERS INTEGRAL TO HVAC EQUIPMENT, AND SHALL HAVE A MAXIMUM LEAKAGE RATE WHEN TESTED IN ACCORDANCE WITH AMCA STANDARD 500D OF (AT 1.0 INCH W.G.):

MOTORIZED DAMPERS: 4 CFM/FT² OF DAMPER AREA.
NON-MOTORIZED DAMPERS: 20 CFM/FT² OF DAMPER AREA.
NON-MOTORIZED DAMPERS SMALLER THAN 24 INCHES IN EITHER DIMENSION: 40 CFM/FT² OF DAMPER AREA.

- ALL DUCT SYSTEMS SHALL BE SEALED TO A LEAKAGE RATE NOT TO EXCEED 4 PERCENT OF THE FAN FLOW IF THE DUCT SYSTEM: IS CONNECTED TO A HIGH-PRESSURE OR MEDIUM-PRESSURE PIECE OF AIR MOVING EQUIPMENT; OR HAS ANY DUCT SURFACE AREA LOCATED IN ANY UNCONDITIONED SPACE. THE LEAKAGE RATE SHALL BE CONFIRMED THROUGH FIELD VERIFICATION AND DIAGNOSTIC TESTING, IN ACCORDANCE WITH SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL.

2018 WASHINGTON STATE MECHANICAL CODE (IMC AMENDMENTS) NOTES

- ALL EQUIPMENT SHALL BE PROVIDED WITH PERMANENT FACTORY APPLIED NAMEPLATES PER SECTION 301.9. REFER TO SPECIFICATIONS FOR PROJECT SPECIFIC LABELING REQUIREMENTS.

- ALL EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 303 WHEN INSTALLED IN A LOCATION NOT AS SHOWN ON THE DESIGN PLANS.

- ALL PIPING SHALL BE SUPPORTED PER TABLE 305.4.

TABLE 305.4 – PIPING SUPPORT SPACING^a

PIPING MATERIAL	MAXIMUM HORIZONTAL SPACING (FT)	MAXIMUM VERTICAL SPACING (FT)
ABS PIPE	4	10 ^c
ALUMINUM PIPE AND TUBING	10	15
CAST IRON PIPE ^b	5	15
COPPER OR COPPER-ALLOY PIPE	12	10
COPPER OR COPPER-ALLOY TUBING	8	10
CPVC PIPE OR TUBING, 1 INCH AND SMALLER	3	10 ^c
CPVC PIPE OR TUBING, 1 1/4 INCHES AND LARGER	4	10 ^c
LEAD PIPE	CONTINUOUS	4
PB PIPE OR TUBING	2–2/3 (32 INCHES)	4
PE-RT 1 INCH AND SMALLER	2–2/3 (32 INCHES)	10 ^c
PE-RT 1 1/4 INCHES AND LARGER	4	10 ^c
PEX TUBING 1 INCH AND SMALLER	2–2/3 (32 INCHES)	10 ^c
PEX TUBING 1 1/4 INCHES AND LARGER	4	10 ^c
POLYPROPYLENE (PP) PIPE OR TUBING, 1 INCH AND SMALLER	2–2/3 (32 INCHES)	10 ^c
POLYPROPYLENE (PP) PIPE OR TUBING, 1 1/4 INCHES AND LARGER	4	10 ^c
PVC PIPE	4	10 ^c
STEEL TUBING	8	10
STEEL PIPE	12	15

TABLE FOOTNOTES:

- SEE SECTION 301.18.
- THE MAXIMUM HORIZONTAL SPACING OF CAST IRON PIPE HANGERS SHALL BE INCREASED TO 10 FT. WHERE 10-FOOT LENGTHS OF PIPE ARE INSTALLED.
- MID-STORY GUIDE.

- PROVIDE EQUIPMENT WITH SERVICE AND INSTALLATION CLEARANCES PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL EQUIPMENT SHALL BE INSTALLED WITH A LEVEL WORKING SPACE NOT LESS THAN 30 INCH BY 30 INCH ON THE MAINTENANCE SIDE OF THE EQUIPMENT PER SECTION 306.1 WHERE SMALLER AREAS ARE NOTED BY THE MANUFACTURER'S GUIDES.

- ROUTE ALL CONDENSATE PIPING PER PLAN AND AT SIZE SHOWN ON PLAN. WHERE NOT SHOWN ON PLAN, CONDENSATE SHALL BE ROUTED TO THE NEAREST FIXTURE TAILPIECE AND SHALL BE SIZED PER TABLE 307.2.2. WHERE OVERFLOW OF THE PRIMARY CONDENSATE MAY CAUSE DAMAGE TO BUILDING COMPONENTS, PROVIDE AN AUXILIARY AND SECONDARY DRAIN SYSTEM PER SECTION 307.2.3.

TABLE 307.2.2 – CONDENSATE DRAIN SIZING

EQUIPMENT CAPACITY	MINIMUM CONDENSATE PIPE DIAMETER
UP TO 20 TONS OF REFRIGERATION	3/4 INCH
OVER 20 TONS TO 40 TONS OF REFRIGERATION	1 INCH
OVER 40 TONS TO 90 TONS OF REFRIGERATION	1-1/4 INCH
OVER 90 TONS TO 125 TONS OF REFRIGERATION	1-1/2 INCH
OVER 125 TONS TO 250 TONS OF REFRIGERATION	2 INCH

- PROVIDE ALL CONDENSATE LINES WITH TRAPS PER SECTION 307.2.4. DUCTLESS SPLIT SYSTEMS SHALL BE PROVIDED WITH AN INLINE CHECK VALVE PER SECTION 307.2.4.1. CONSULT THE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF TRAPS ON EQUIPMENT CONDENSATE DRAINS.

- MAINTAIN CLEARANCE TO/FROM OUTSIDE AIR INTAKES PER SECTION 401.4.

- MAINTAIN CLEARANCE TO/FROM EXHAUST AIR OPENINGS PER SECTION 501.3.1.

- ALL EQUIPMENT LOCATED IN PLENUMS SHALL BE RATED FOR USE IN PLENUMS.

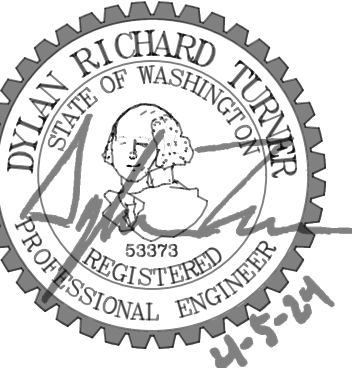


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THE GREENBUSCH GROUP, INC



ACOUSTICAL, AUDIO / VIDEO & MECHANICAL ENGINEERING
1448 ELIOTT AVE W. SEATTLE, WA 98119
(206) 378-0569 www.greenbusch.com



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 4-5-24

REVISIONS
| DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
ENERGY AND MECHANICAL CODE NOTES

M0.2
2208

AIR HANDLING UNIT SCHEDULE

MARK	AREA SERVED	MODEL NUMBER	MOSTURE REMOVAL CAPACITY (LB/HR)	TOTAL COOLING CAPACITY (MBH)	TOTAL SENSIBLE CAPACITY (MBH)	AUXILIARY HEAT CAPACITY (MBH)	TOTAL HEAT OF REJECTION	COP	SUPPLY FAN						RETURN FAN						ELECTRICAL					
									TOTAL CFM (100% OA)	STATIC EFFICIENCY (%)	EXTERNAL SP (W.G)	HP EACH / QUANTITY	FLA EACH	TSP (W.G)	FILTER	TOTAL CFM	STATIC EFFICIENCY (%)	EXTERNAL SP (W.G)	HP EACH / QUANTITY	FLA EACH	TSP (W.G)	EAT (F DB / F WB / % HUMIDITY)	VOLT / PHASE / HZ	MCA (AMPS)	MOPD (AMPS)	SCCR (kA)
AHU-1	NATATORIUM	SA35-60	165.9	430	254.41	600	543 MBH	4.4	26400	71	1	25 / 1	59.8	3.71	MERV-13	13200	61	1	7.5 / 1	24.9	2.67	84 / 69.9 / 50	208 / 3 / 60	224	250	65

HEAT PUMP ENERGY RECOVERY SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	DRY BULB (F)	WET BULB (F)	OCCUPIED ZONE RH (%)	EXHAUST (CFM)	MAX RECOVERY (MBH)	WATER FLOW RATE (GPM)	EWT (F)	LWT (F)	PRESSURE LOSS (PSI)	OCCUPIED MODE SYSTEM COP	VOLTAGE	MCA	MOPD
AHU-2	NATATORIUM	DESERT AIRE	ER05P7TLANT	84	69.9	50	3500	86.7	10	82	99.3	2.5	5.1	22.4	37	50

NOTES:
 1. ENERGY RECOVERY UNIT TO HAVE VAPOR COMPRESSION CYCLE OPERATING AS A HEAT PUMP
 2. REFRIGERANT COIL SHALL BE COATED WITH ELECTROFIN E-CAT FOR CORROSION PROTECTION
 3. UNIT TO HAVE PODERCOATED PANELS FOR ALL EXTERIOR CABINET COMPONENTS

VRF INDOOR UNIT SCHEDULE

MARK	AREA SERVED	BRANCH CONTROLLER	DESIGN CONDITIONS				BASIS OF DESIGN					
			NOMINAL COOLING (MBH)	NOMINAL HEATING CAPACITY (MBH)	NOMINAL TOTAL SUPPLY (CFM)	EXTERNAL STATIC (IN. W.G.)	MODEL NUMBER	VOLTS/PHASE	ELECTRICAL MCA/MOCP	WEIGHT (LBS)	REF LINES INCHES DIA.	REMARKS
IDU-1	OFFICE	BC-1	4	4.5	148	-	PKFY-P04NLMU-E	208/1	0.2A/15A	23.6	1/4	1,2
IDU-2	LOBBY	BC-1	12	13.5	297	-	PKFY-P12NLMU-E	208/1	0.2A/15A	24.5	1/4	1,2
IDU-3	LOBBY	BC-1	12	13.5	297	-	PKFY-P12NLMU-E	208/1	0.2A/15A	24.5	1/4	1
IDU-4	BREAKROOM	BC-1	6	6.7	191	-	PKFY-P06NLMU-E	208/1	0.24A/15A	24.5	1/4	1
IDU-5	CONTROL, COACH	BC-1	6	6.7	300	0.2	PEFY-P06NMAU-E4	208/1	1.75/15A	47.0	1/4	1,2
IDU-6	ANNOUNCER	BC-1	4	4.5	148	-	PKFY-P04NLMU-E	208/1	0.2A/15A	23.6	1/4	1
		SUM	44.0	49.4								

REMARKS:
 1. PROVIDE MERV-13 FILTER AND FILTER BOX ACCESSORY.
 2. USE BLUE DIAMOND CONDENSATE PUMP FOR DRAINING. REFER TO PUMP SCHEDULE (P-7)

FAN SCHEDULE

MARK	TYPE	LOCATION	SERVES / INTERLOCK	AIRFLOW (CFM)	SP (IN W.G.)	WEIGHT (LBS)	SONES	ELECTRICAL			REMARKS
								HP	VOLTS	PHASE	
EF-1	EXHAUST AIR	ROOF	STORAGE 117 AND FILTER ROOM 109	120	0.25"	36	1.9	1/10 HP	115	1	DIRECT DRIVE CENTRIFUGAL ROOF EXHAUST FAN WITH ECM MOTOR AND SPEED CONTROL. ALUMINUM HOUSING, CENTRIFUGAL BACKWARD INCLINED ALUMINUM WHEEL, DIRECT DRIVEN MOTOR MOUNTED ON VIBRATION. USE 10" GRAVITY BACK DRAFT DAMPER. ISOLATION BASIS OF DESIGN: GREENHECK CUE-070-VG

REMOTE CONDENSER SCHEDULE

MARK	LOCATION	MODEL NUMBER	CAPACITY (MBH)	DUAL CIRC. CONN (IN)		WEIGHT (LBS)	DBA	ELECTRICAL			
				DISCH. LINE	LIQ. LINE			FLA	MCA	MOPD	UNIT kW (3 PHASE)
ODU-2	OUTDOOR	RCBS022C	24.7	1 5/8	1 1/8	1186	67 2/7	20.4	22.1	25	4.2

REMARKS:

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

MARK	CFM	NG LEVEL	STATIC PRESSURE	STYLE	FRAME SIZE (INCH)	BASIS FOR DESIGN	NOTES
SD-1	25	< 11	0.011	CEILING	6 X 6	TITUS MCD	1,2
SD-2	40	< 11	0.011	CEILING	6 X 6	TITUS MCD	1,2
SD-3	50	< 11	0.011	CEILING	6 X 6	TITUS MCD	1,2
SD-4	60	< 11	0.011	CEILING	6 X 6	TITUS MCD	1,2
SD-5	75	< 11	0.011	CEILING	6 X 6	TITUS MCD	1,2
SD-6	100	< 11	0.019	CEILING	6 X 6	TITUS MCD	1,2
SD-7	200	< 17	0.016	CEILING	10 X 10	TITUS MCD	1,2
EG-1	20	< 10	0.013	CEILING	6 X 6	TITUS 50F	1,2
EG-2	30	< 10	0.013	CEILING	6 X 6	TITUS 50F	1,2
EG-3	40	< 10	0.013	CEILING	6 X 6	TITUS 50F	1,2
EG-4	50	< 10	0.013	CEILING	6 X 6	TITUS 50F	1,2
EG-5	75	< 10	0.013	CEILING	8 X 6	TITUS 50F	1,2
EG-6	120	< 10	0.013	CEILING	12 X 6	TITUS 50F	1,2
RG-7	100	<11	0.013	CEILING	10 X 6	TITUS 50F	1,2
RG-8	200	11	0.054	CEILING	10 X 6	TITUS 50F	1,2
RG-9	3500	<15	0.037	WALL	48 X 24	TITUS 50F	1,2

NOTES:
 1. DUCT CONNECTION TO DIFFUSER OR GRILLE SHALL BE MINIMUM NECK SIZE.
 2. COORDINATE FINAL LOCATION AND COLOR WITH ARCHITECT.

VRF OUTDOOR UNIT SCHEDULE

MARK	REMARKS
ODU-1	AIR COOLED OUTDOOR UNIT. 72 MBH NOMINAL COOLING CAPACITY, 95" DB ENTERING AIR, 80"/67F DB/WB INDOOR. 80 MBH NOMINAL HEATING CAPACITY, 43" WB ENTERING AIR, 70 DEGREE DB INDOOR. ELECTRICAL, 208V, 24 MCA, 40 MOCP, 3 PHASE FOR EACH MODULE. INVERTER DRIVEN SCROLL COMPRESSOR, R410A REFRIGERANT, 13.1 EER, 23.8 IEEER, 3.76 COP 483 POUNDS NET WEIGHT. MITSUBISHI CITY MULTI PURY-P72TNU-A. PROVIDE WITH LOW AMBIENT, SNOW/HAIL GUARDS AND BASE PAN HEATER.

DEDICATED OUTSIDE AIR SYSTEM, DOAS-1

SECTION	REMARKS
ELECTRICAL	208 V, 3 PH, 60 HZ, 5.63 MCA, 5.29 FLA, 8.13 MROPD, 15A RFS
SUPPLY FAN	ECM DIRECT DRIVE (PLENUM), 0.5 KW, 2.5 FLA, 1764 RPM, 375 CFM, 0.5" TSP
EXHAUST FAN	ECM DIRECT DRIVE (PLENUM), 0.5 KW, 2.5 FLA, 1979 RPM, 355 CFM, 0.5" TSP
HRV	375 CFM, 66.6% SUMMER EFFICIENCY, 70.9% WINTER EFFICIENCY
FILTERS	2" 85% MERV-13 / 2" 30% MERV-8
ACCESS	ALL ACCESS FROM SIDE OF UNIT, REFER TO MECHANICAL DRAWINGS AND MANUFACTURER CUTSHEET.
INSTALLATION	REFER TO MANUFACTURERS WRITTEN INSTRUCTIONS AND CONTRACT DOCUMENTS.
CONTROL	REFER TO SEQUENCE OF OPERATION.
MANUFACTURER	BASIS OF DESIGN: OXYGEN8 A180U. ALTERNATES AS ACCEPTED BY PRIOR APPROVAL.
SENSIBLE EFFICIENCY	72.90%

BRANCH CIRCUIT CONTROLLER SCHEDULE

MARK	REMARKS
MAIN BRANCH CONTROLLER BC-1	BRANCH CIRCUIT CONTROLLER, 0.74 MCA, 15 MOCP, 208 VOLT, 1 PHASE, R410A REFRIGERANT, 8 PORTS, 69 POUNDS, PROVIDE SHUT-OFF VALVES AT EACH PIPING CONNECTION TO ALLOW FOR SERVICING. MITSUBISHI CITY MULTI: CMB-P108NU-KB1.

NOTES:

VENTILATION CALCULATION SCHEDULE

POOL AREA	3225	SF
NATATORIUM AREA	9322	SF
AVERAGE CEILING HEIGHT	25	FT
NATATORIUM VOLUME	233050	CF
REQUIRED AIR CHANGES	5	ACH
MIN. VENTILATION RATE (CFM)	19421	CFM
AHU-1 MIN. OUTSIDE AIR	26400	CFM
PROVIDED ACH	6.79	ACH
PROVIDED CFM/S (OF NATATORIUM)	2.83	CFM/SF

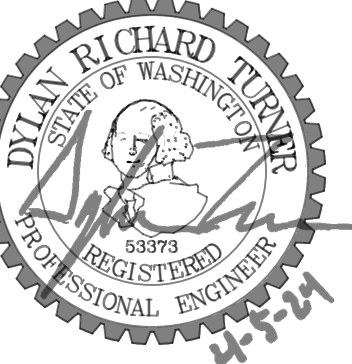


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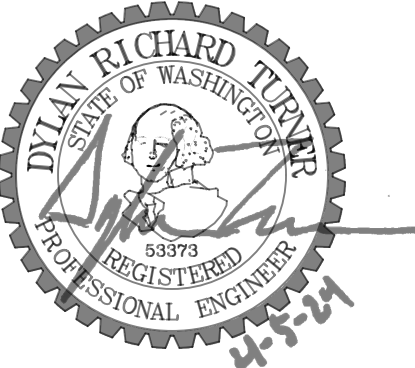
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PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

MECHANICAL SCHEDULES

M0.3

2208



GENERAL NOTES:

- SCOPE OF DEMOLITION WORK IS DIAGRAMMATIC IN NATURE. THE PLANS DO NOT ATTEMPT TO SHOW EVERY EXISTING FITTING OR DEVICE IN A SYSTEM WHICH MAY REQUIRE DEMOLITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS, DIMENSIONS AND QUANTITIES. WHERE A SYSTEM OR DEVICE IS INDICATED FOR DEMOLITION IT IS THE CONTRACTOR'S RESPONSIBILITY TO FULLY DEMOLISH THE INDICATED SYSTEM, MAKING SAFE ANY ELECTRICAL CONNECTIONS, CAPPING OF PIPES/DUCTS THAT ARE NOT FULLY DEMOLISHED, PROTECTING SYSTEMS WHICH ARE TO REMAIN, AND FULLY DISPOSING OF ALL DEMOLISHED EQUIPMENT THAT HAS NOT BEEN SPECIFIED TO BE RETAINED/SALVAGED TO THE OWNER.

SHEET KEYNOTES:

- DO NOT REMOVE OR REPOSITION THE EXISTING CHLORINE GAS PIPE.
- DEMOLISH ASSOCIATED AHU HWS AND HWIR.

RAY WILLIAMSON POOL IMPROVEMENTS

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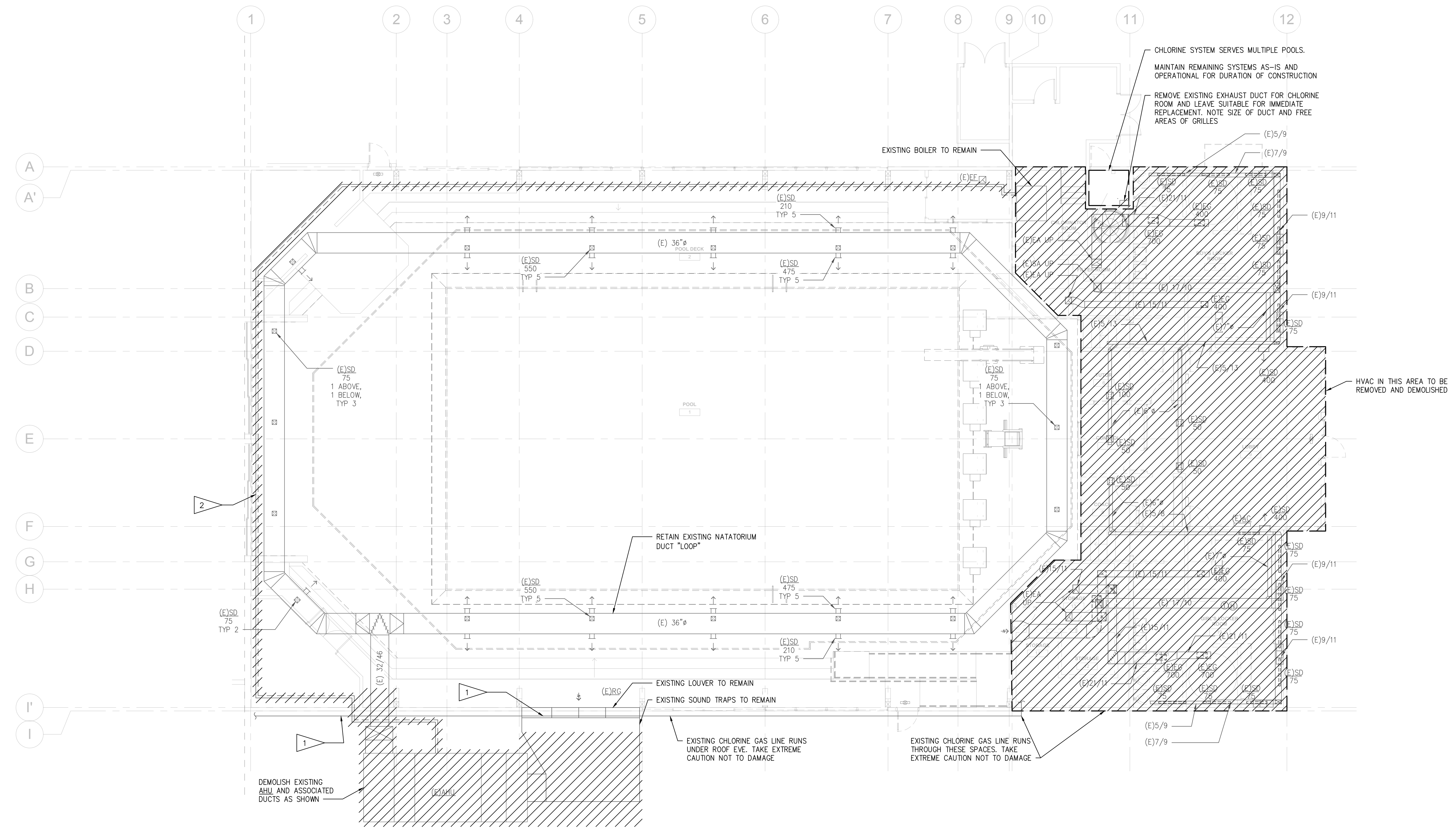
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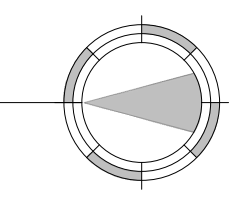
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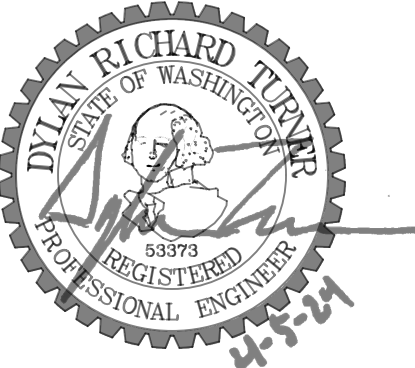
FIRST FLOOR MECHANICAL DEMOLITION PLAN

MD1.1
 2208

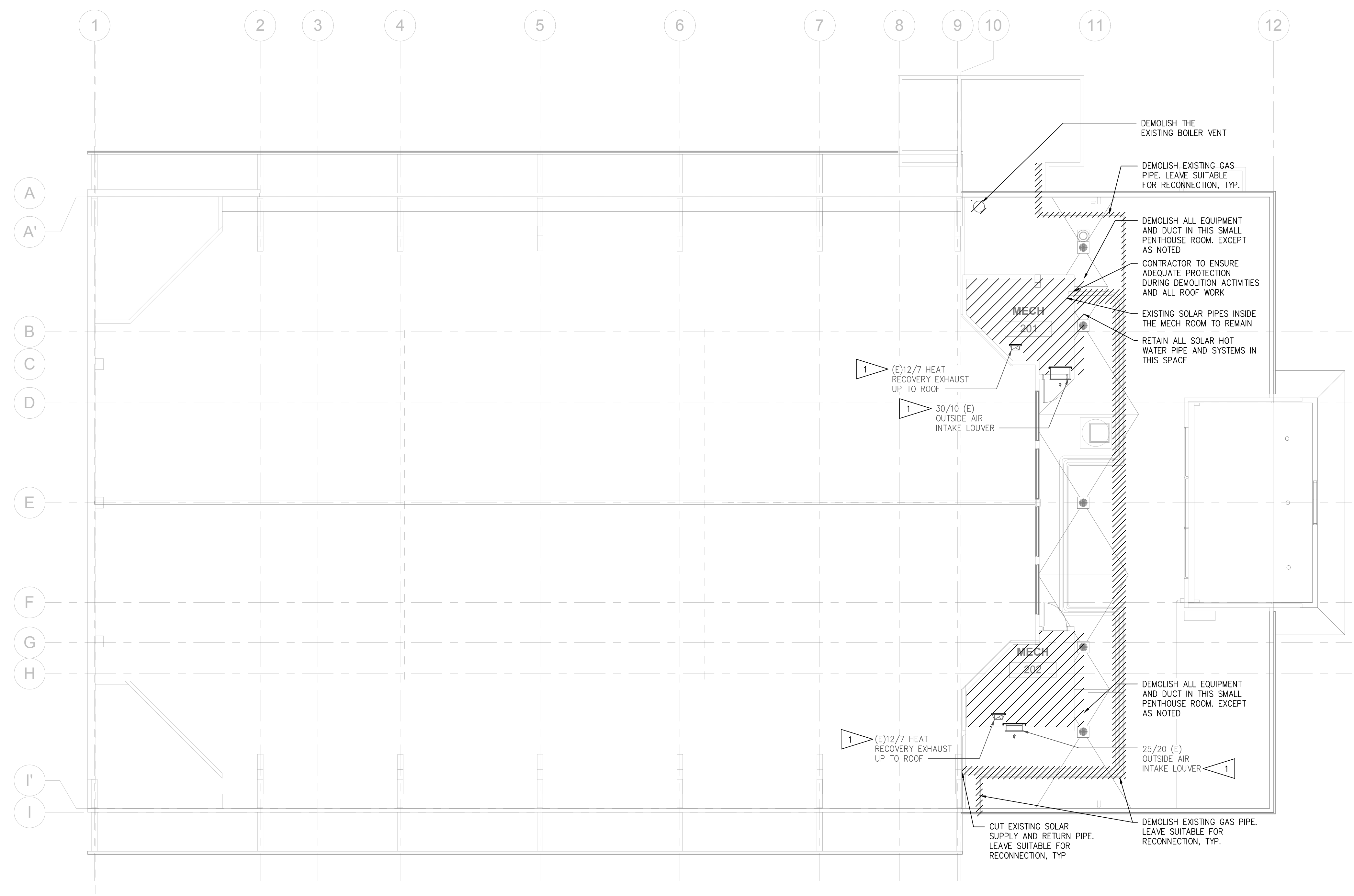


2 FIRST FLOOR MECHANICAL DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"





SHEET KEYNOTES:
1 KEEP ROOF PENETRATION AND SIDEWALL PENETRATIONS SUITABLE FOR REUSE.



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

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PROJECT ARCHITECT

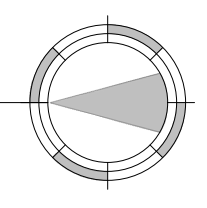
PROJECT MANAGER

DRAWN

**MECHANICAL
ROOF
DEMOLITION
PLAN**

MD1.2
2208

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





1 HVAC MAIN FLOOR DEMOLITION - EXTERIOR
MD2.0 SCALE: NTS



2 HVAC MAIN FLOOR DEMOLITION - INTERIOR
MD2.0 SCALE: NTS

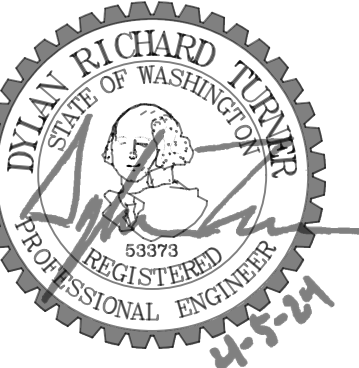
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PROJECT ARCHITECT
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MECHANICAL DEMOLITION PHOTOS



1 ROOF DEMOLITION HVAC
 MD2.1 SCALE: NTS



RAY WILLIAMSON POOL IMPROVEMENTS

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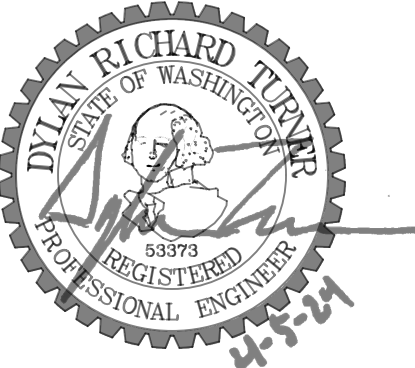
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PROJECT MANAGER

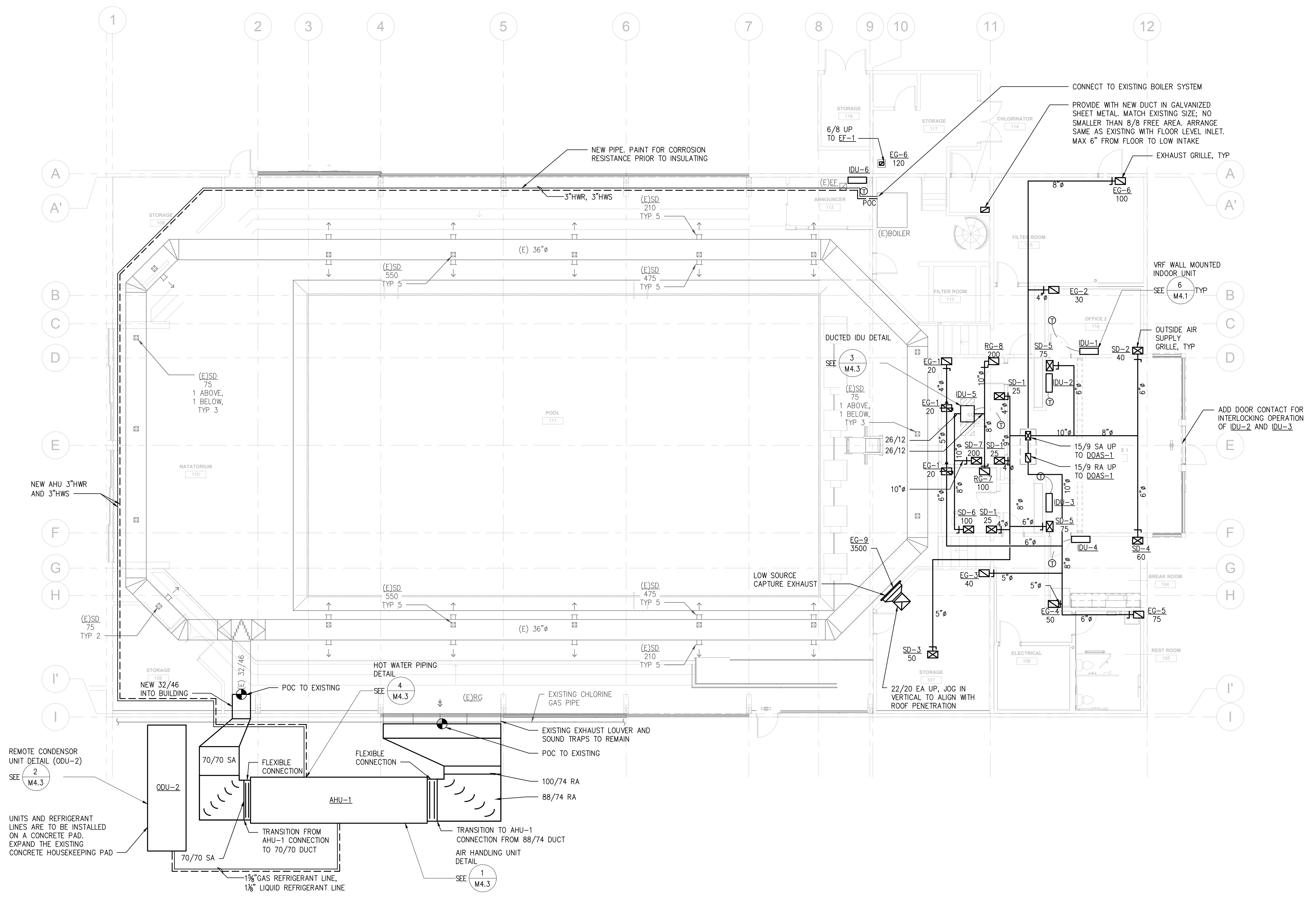
DRAWN

MECHANICAL
 DEMOLITION
 PHOTOS



SHEET NOTES:

- DUCTWORK IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.
- FOLLOW THE OLD DUCT LINE ON THE NEW DUCTWORK INSTALLATION.



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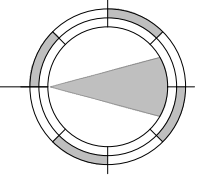
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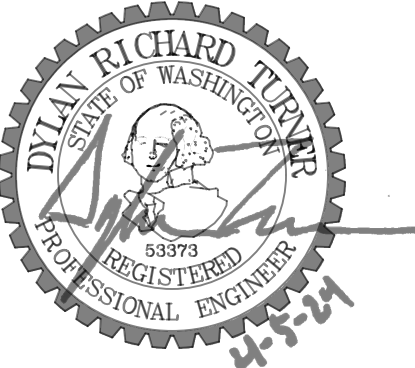
PROJECT ARCHITECT
PROJECT MANAGER
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FIRST FLOOR HVAC PLAN

M1.0
2208

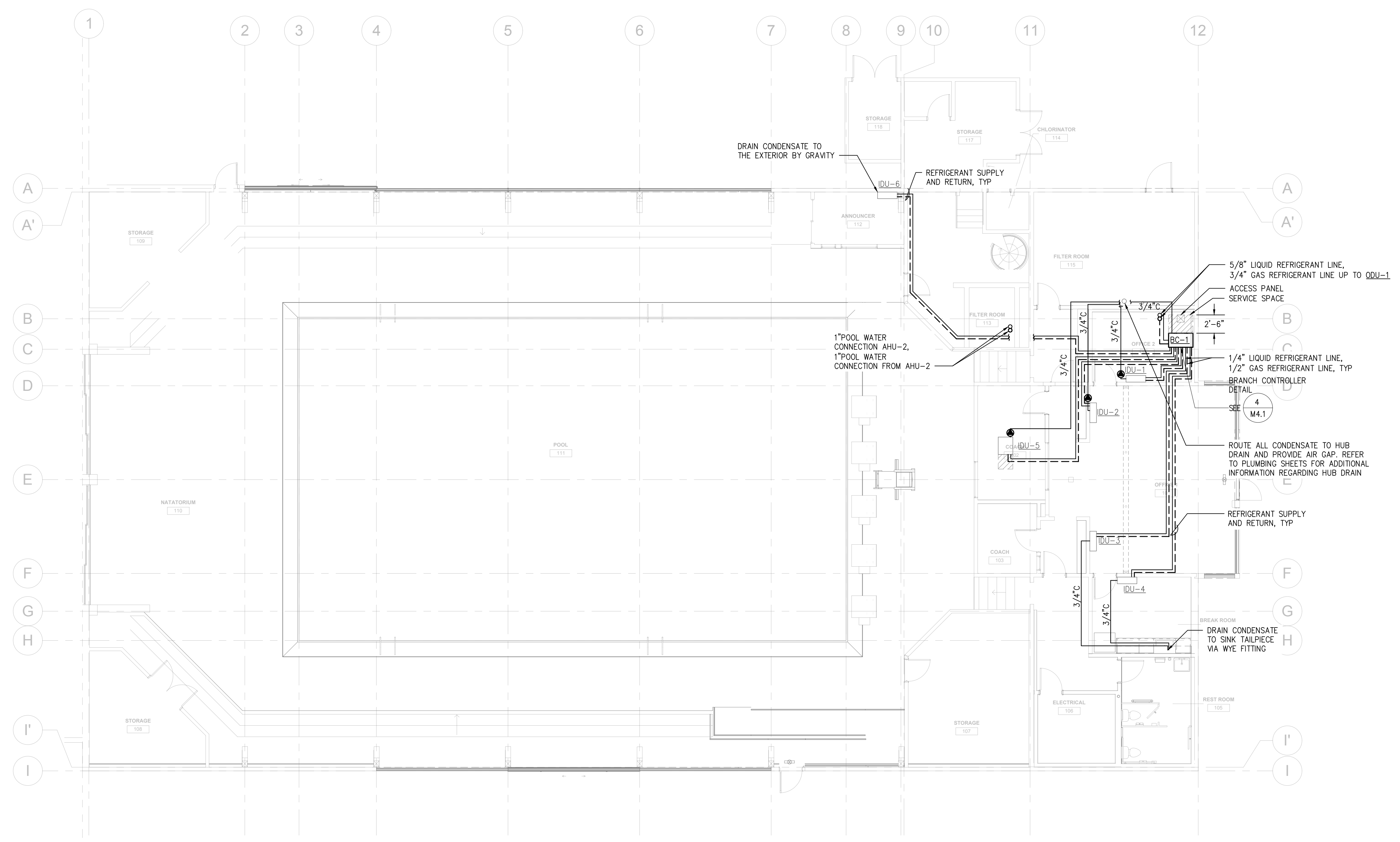
1 FIRST FLOOR HVAC PLAN
SCALE: 1/8" = 1'-0"





SHEET NOTES:

1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



RAY WILLIAMSON POOL IMPROVEMENTS

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BID SET PHASE 1	4-5-24
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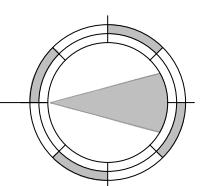
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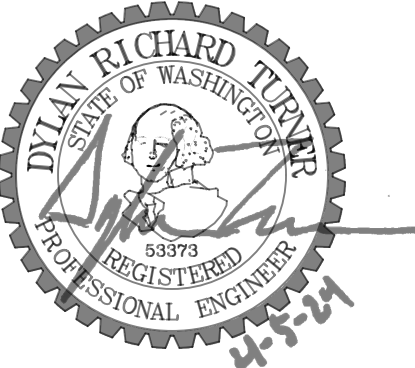
PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

FIRST FLOOR PIPING PLAN

M2.0
2208

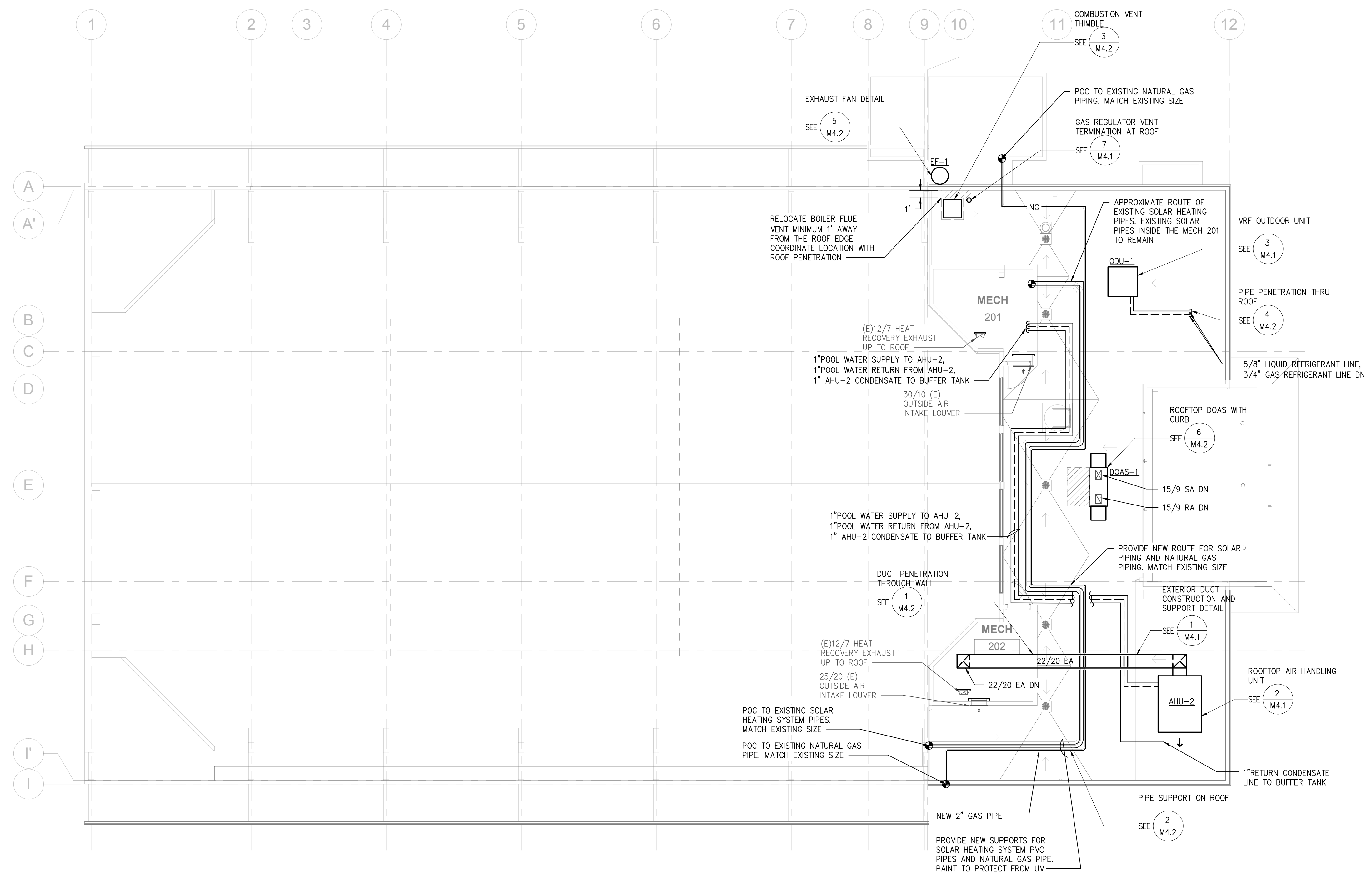
2 FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"





SHEET NOTES:

1. PIPING AND DUCTWORK IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



RAY WILLIAMSON POOL IMPROVEMENTS

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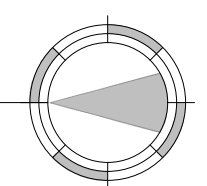
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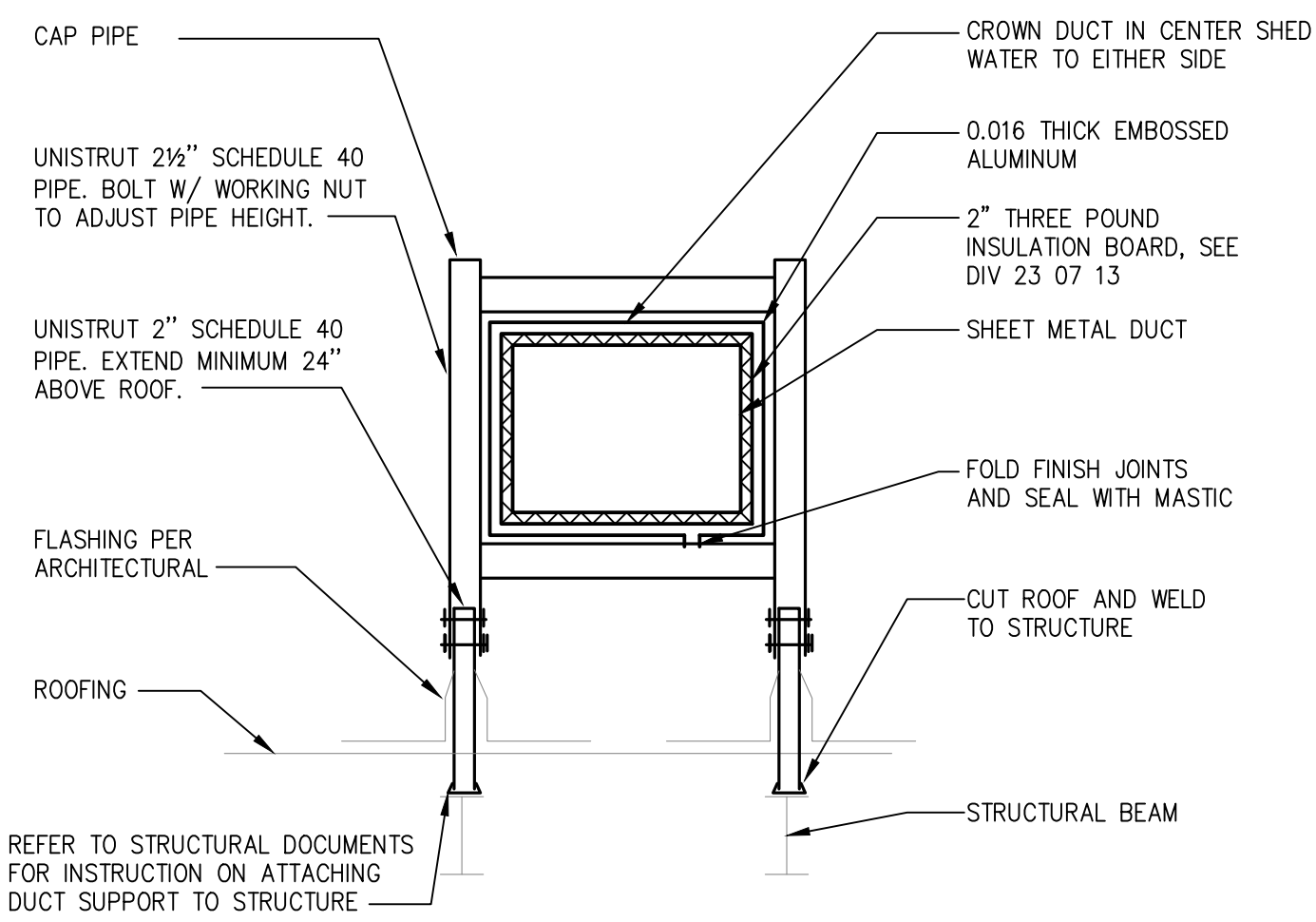
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PROJECT MANAGER
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**MECHANICAL
ROOF PLAN**

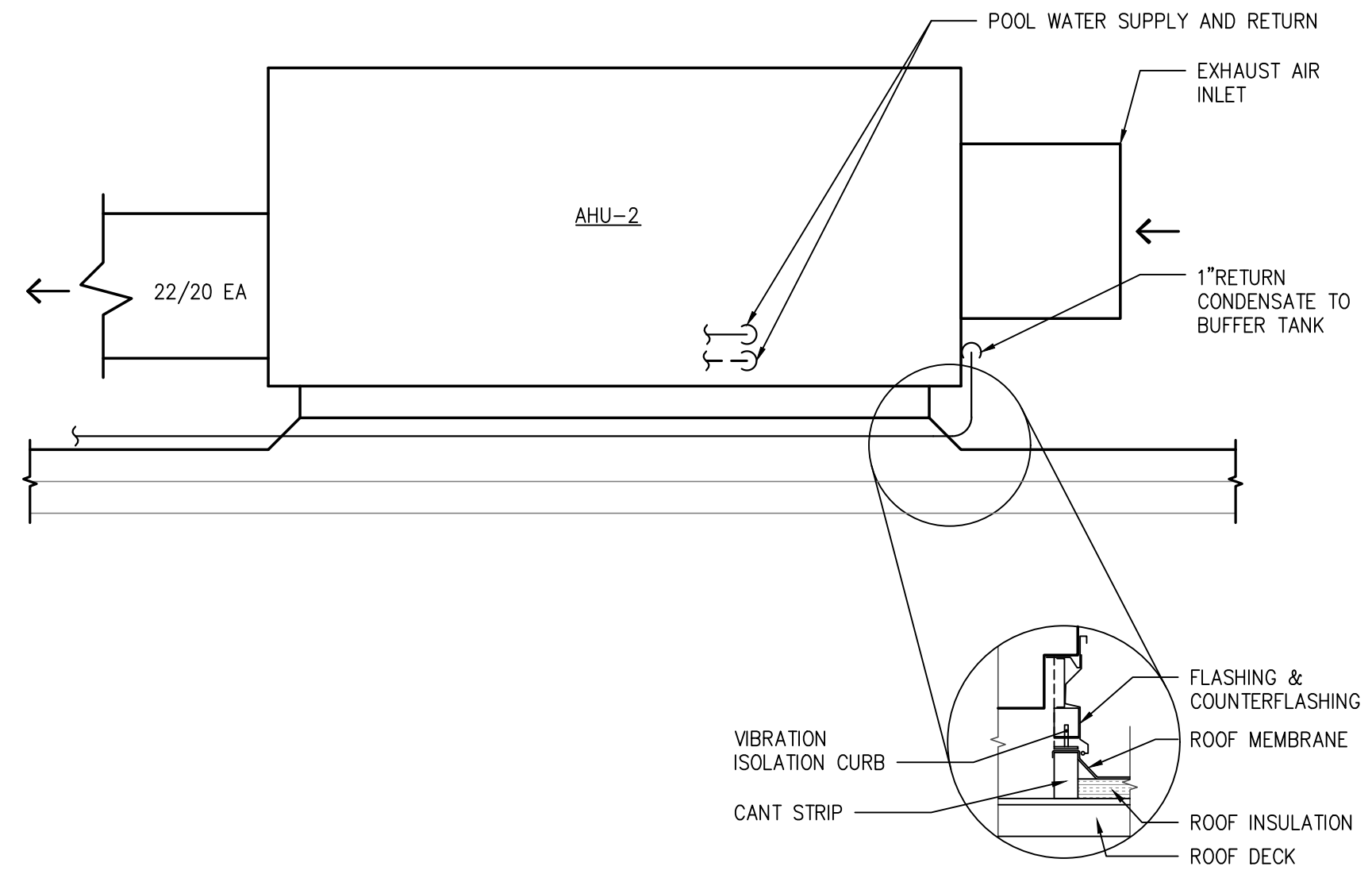
M3.0
2208

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

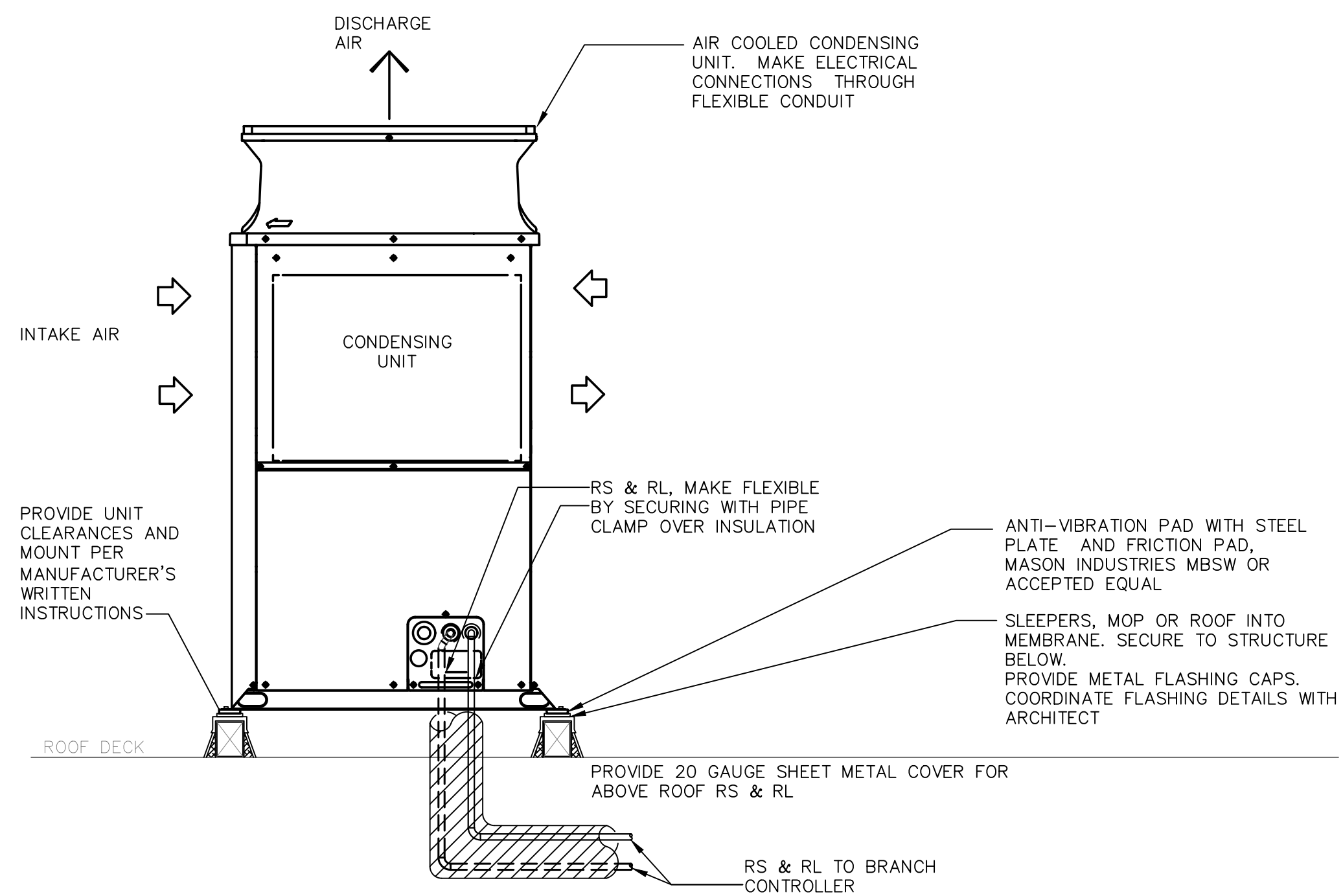




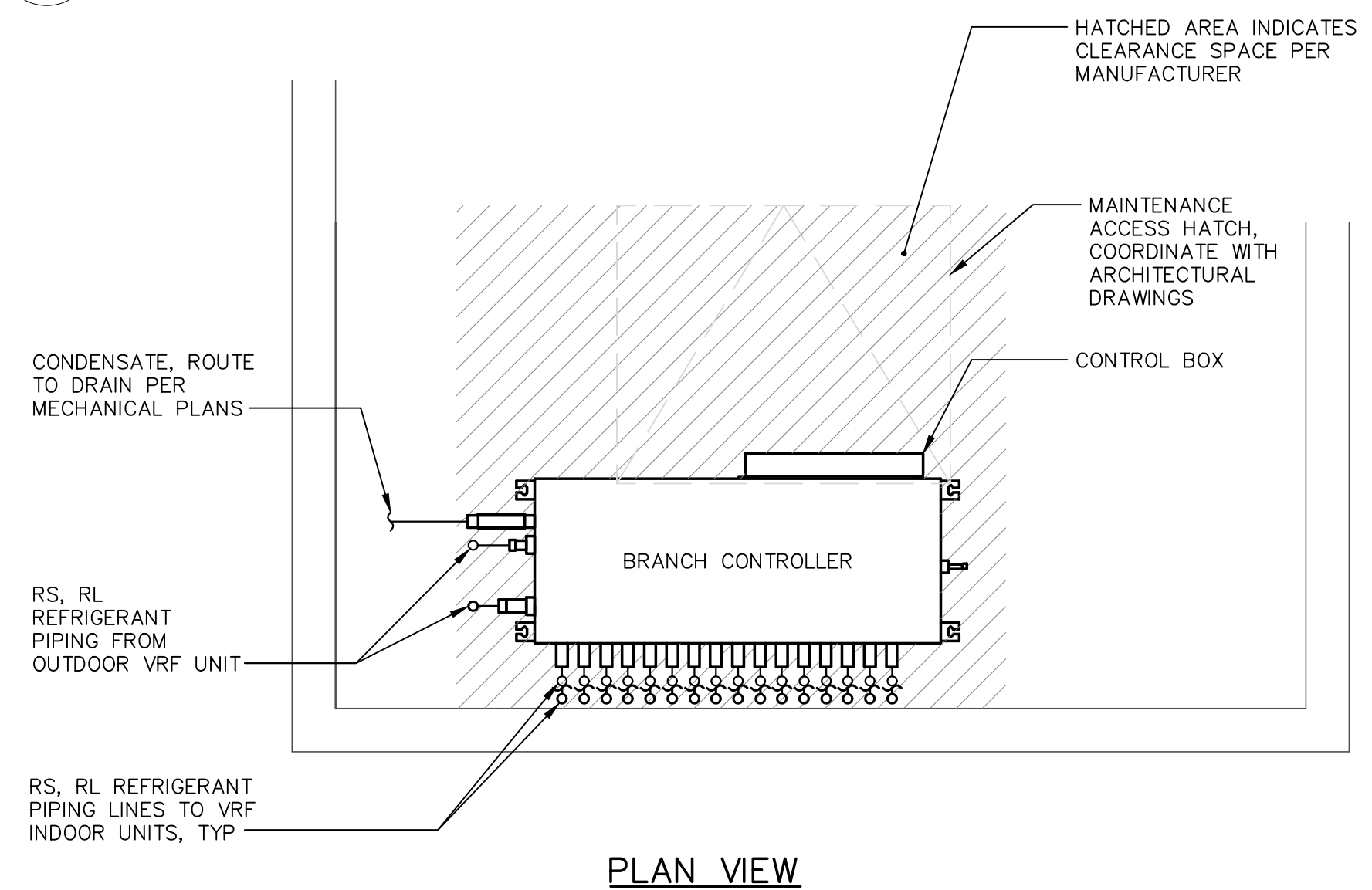
1 EXTERIOR DUCT CONSTRUCTION AND SUPPORT DETAIL
M4.1 SCALE: NTS



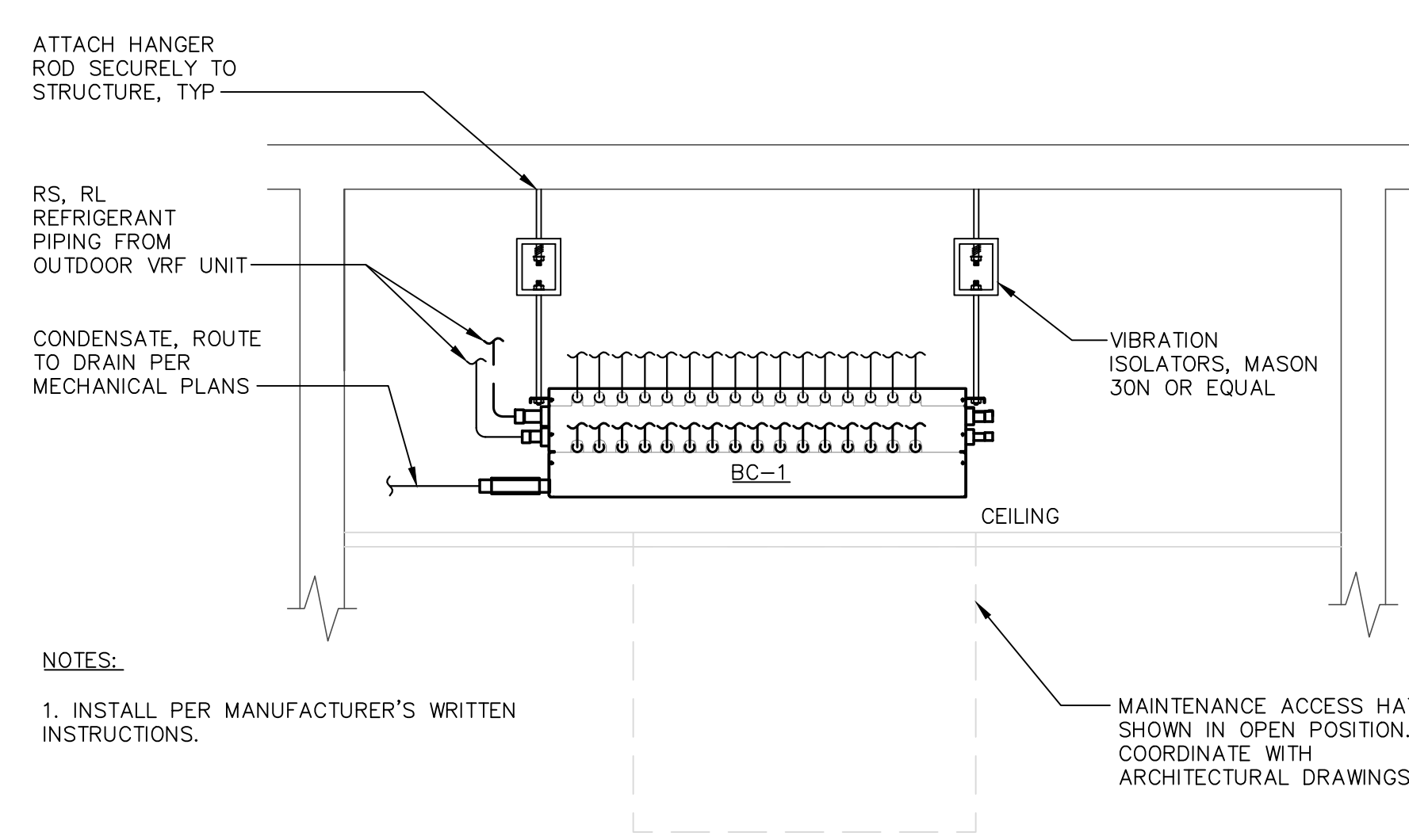
2 ROOFTOP AIR HANDLING UNIT
M4.1 SCALE: NTS



3 VRF OUTDOOR UNIT
M4.1 SCALE: NTS

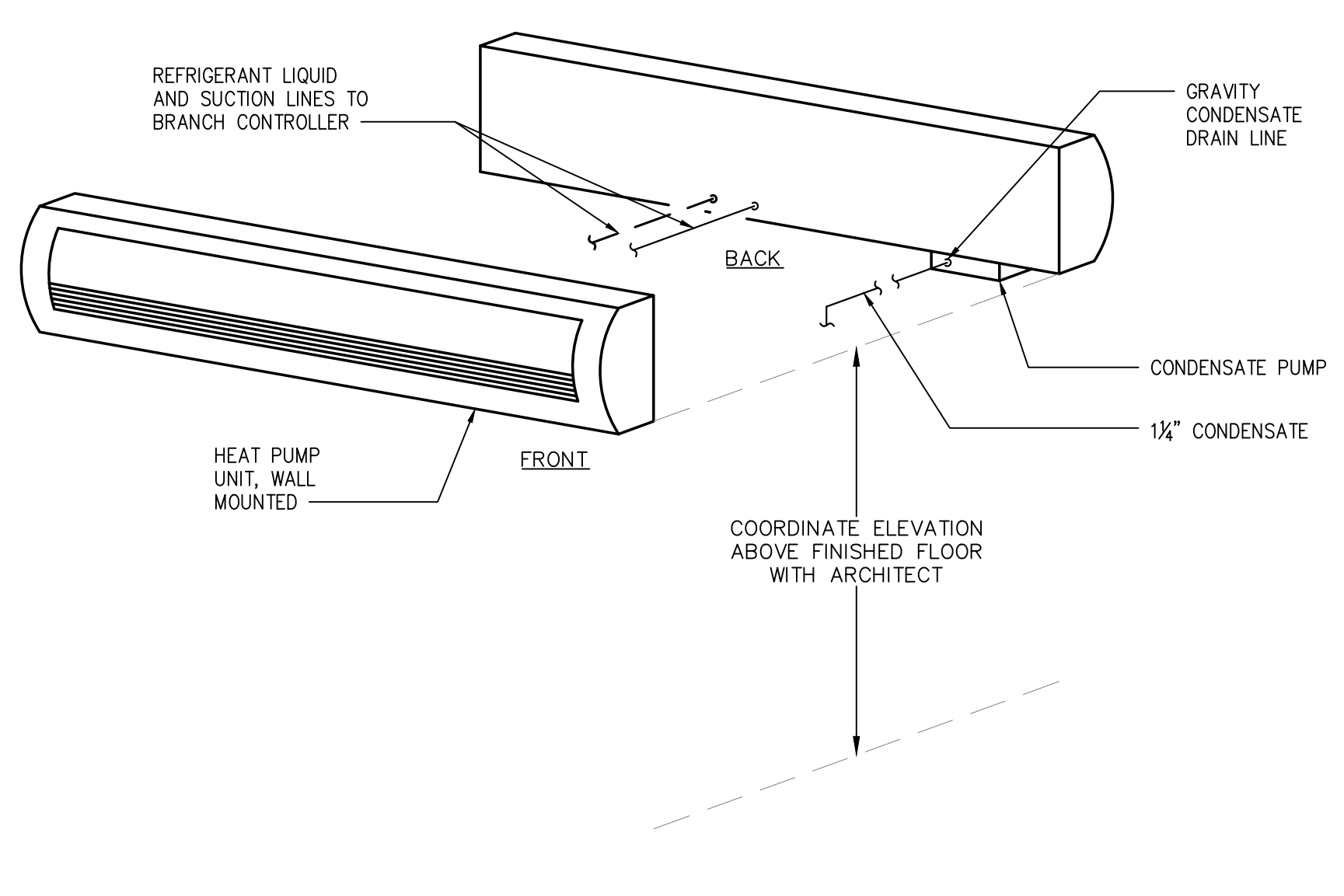


PLAN VIEW

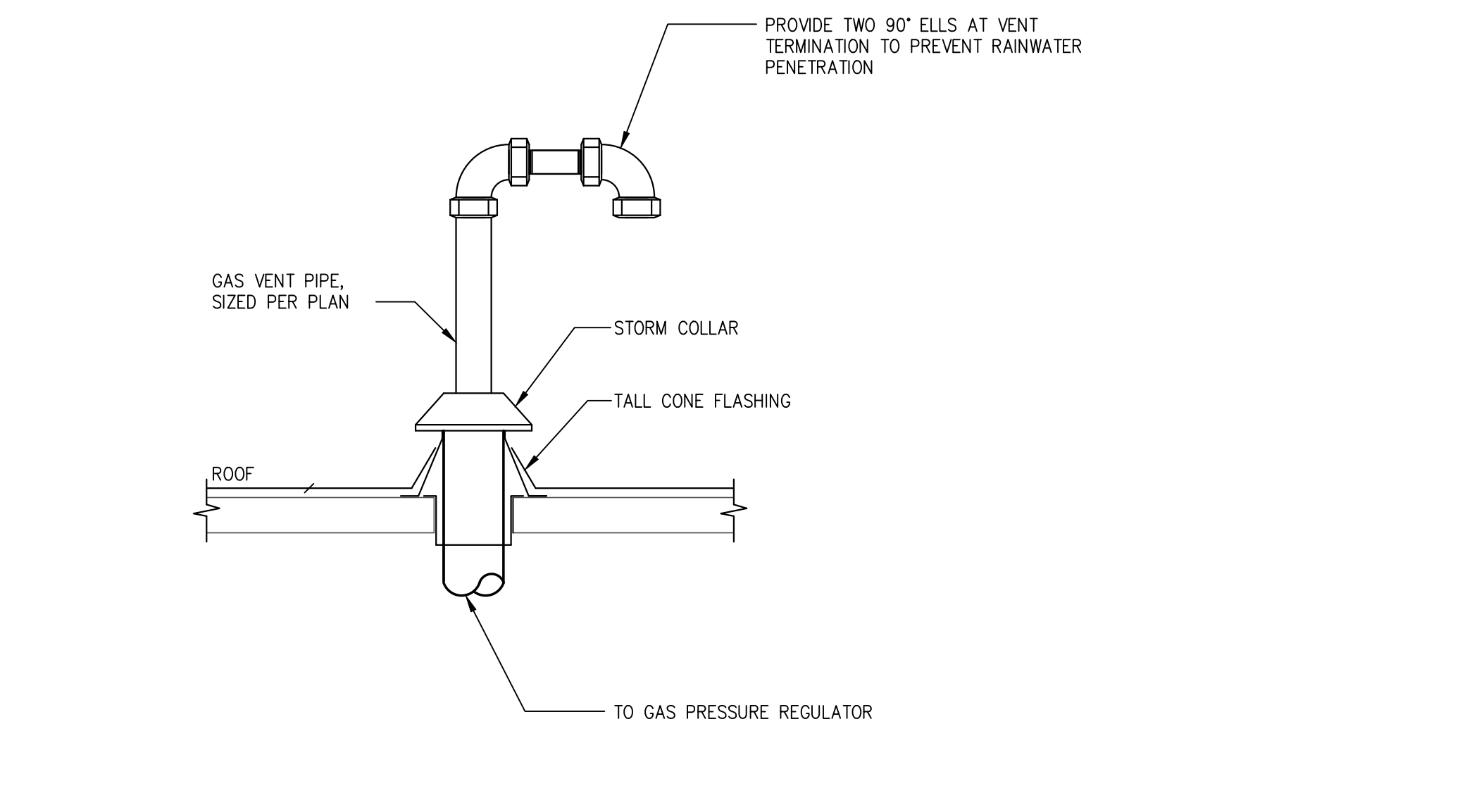


ELEVATION VIEW

4 BRANCH CONTROLLER DETAIL
M4.1 SCALE: NTS



6 VRF WALL MOUNTED INDOOR UNIT
M4.1 SCALE: NTS

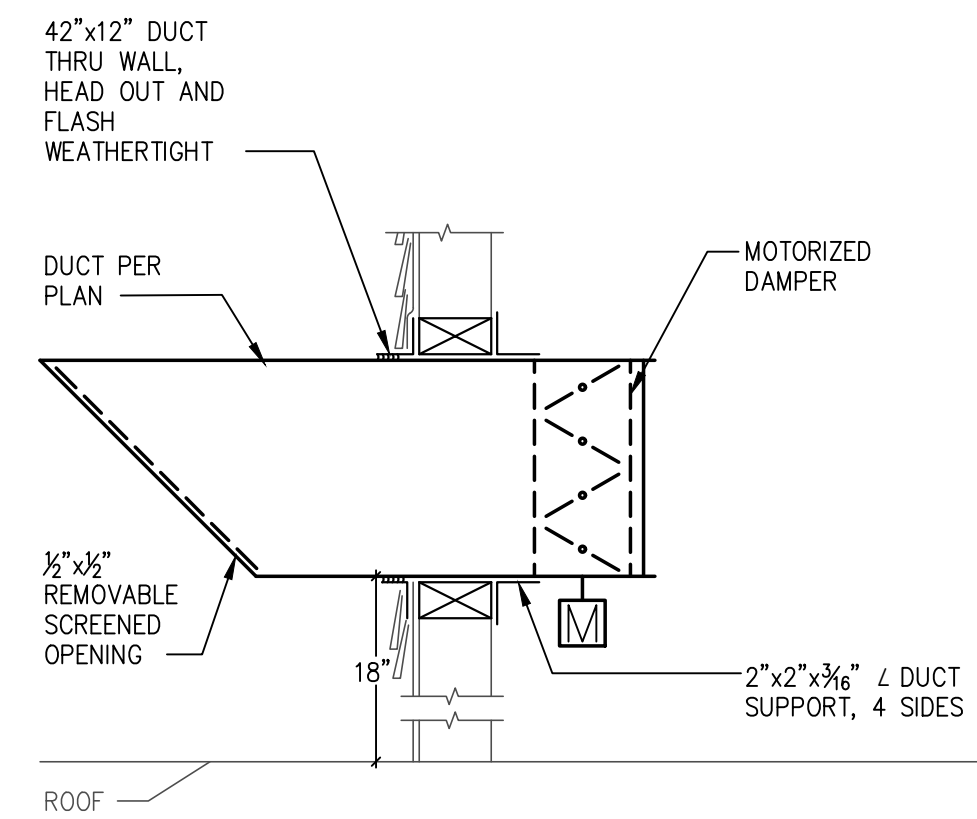


7 GAS REGULATOR VENT TERMINATION AT ROOF
M4.1 SCALE: NTS

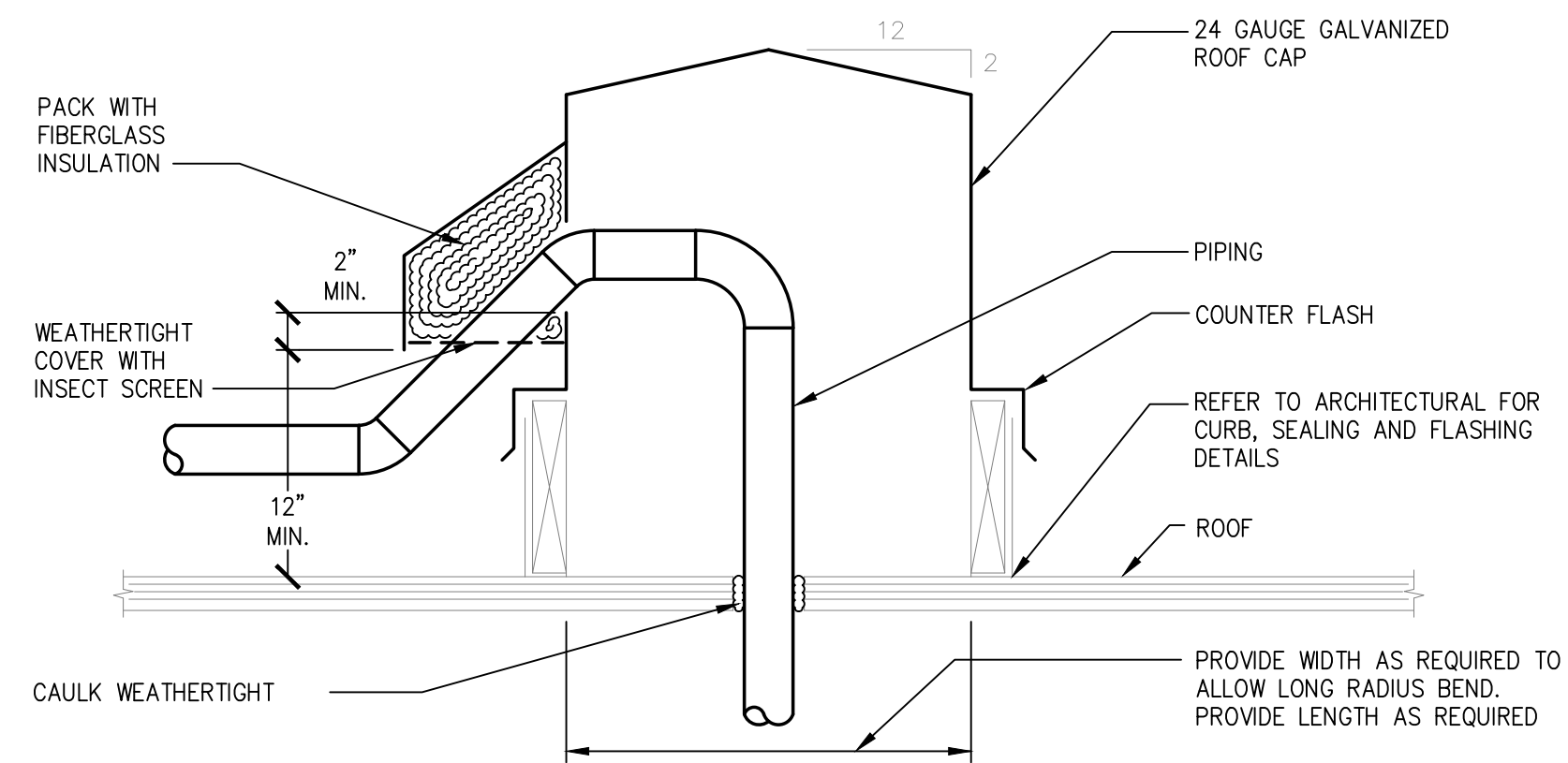
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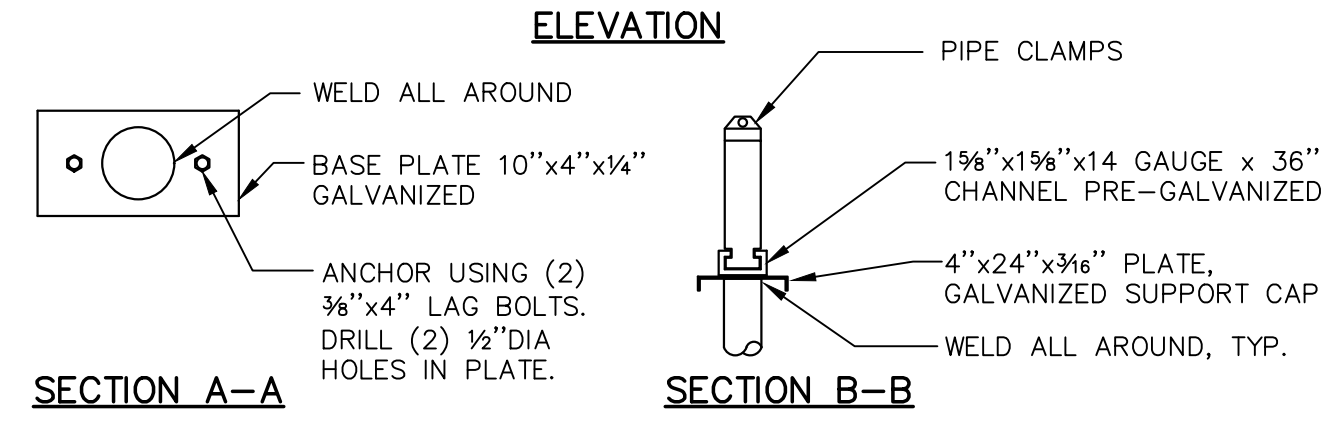
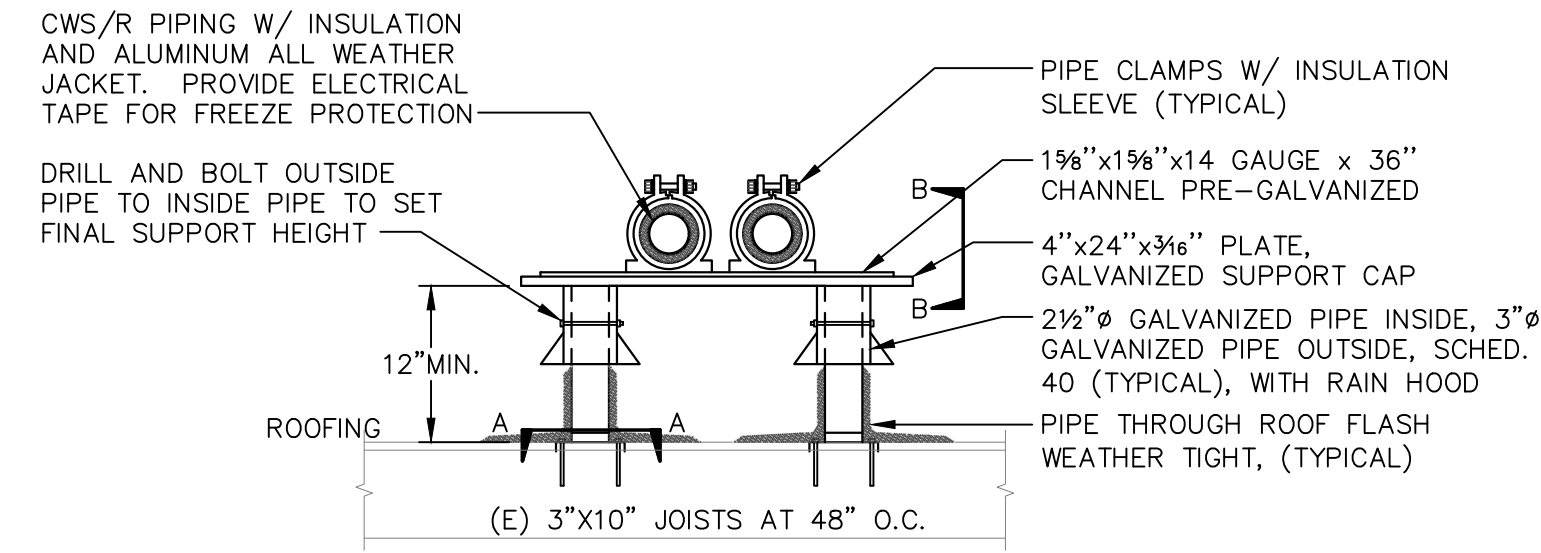
MECHANICAL DETAILS



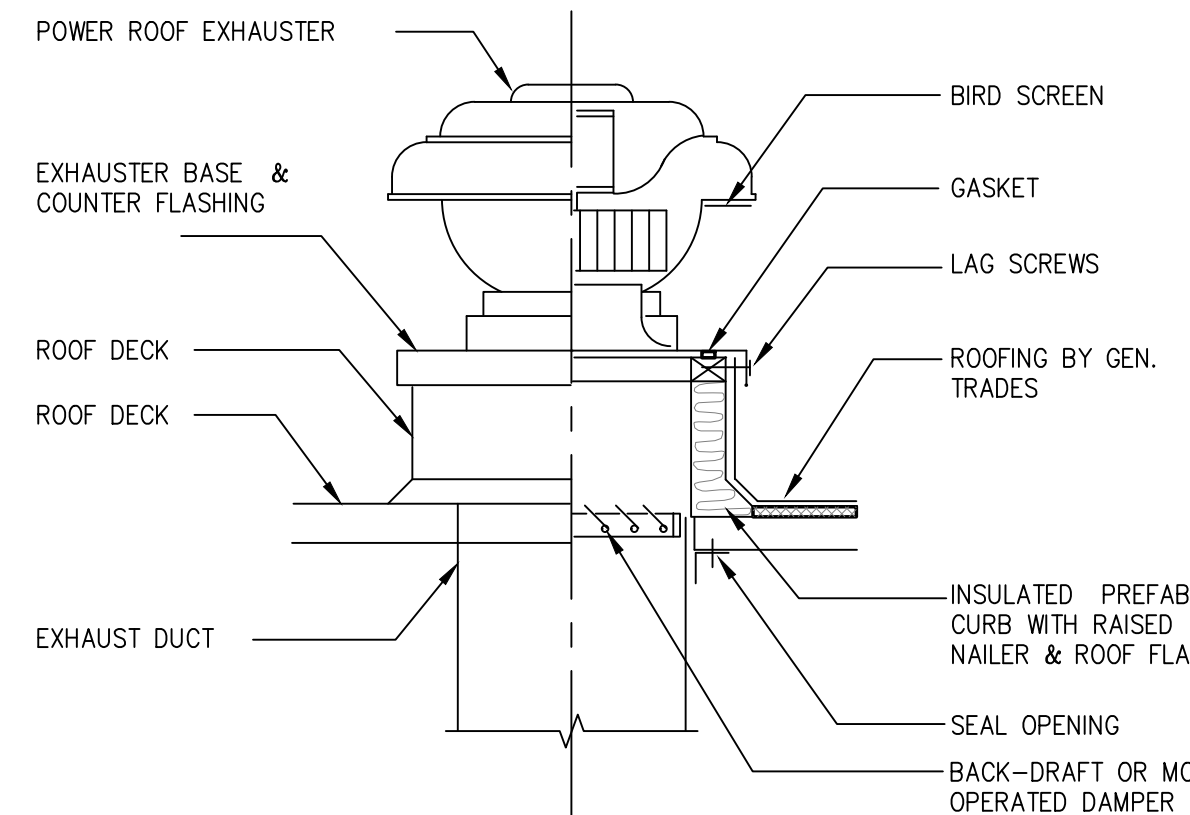
1 DUCT PENETRATION THROUGH WALL
SCALE: NTS



4 PIPE PENETRATION THRU ROOF
SCALE: NTS

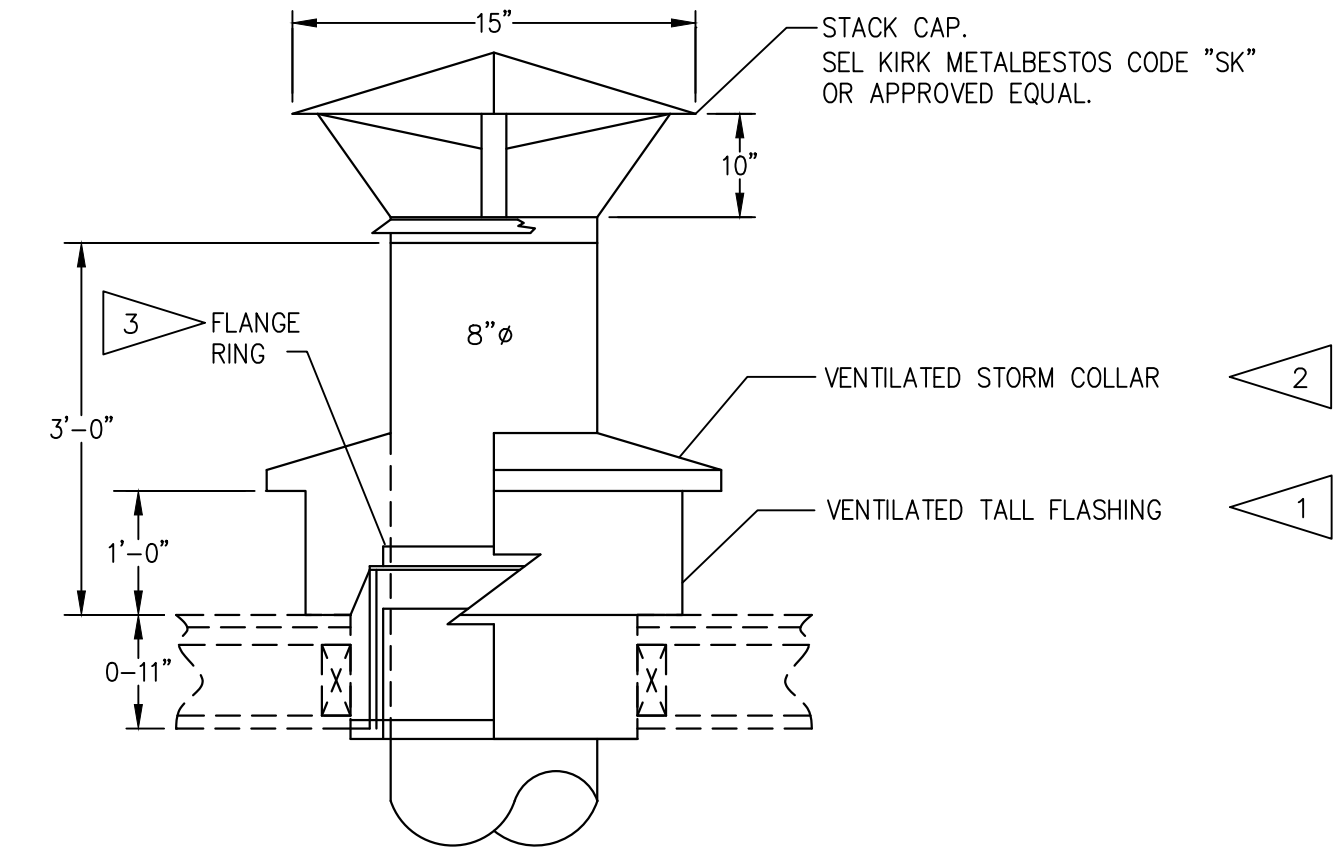


2 PIPE SUPPORT ON ROOF
SCALE: NTS



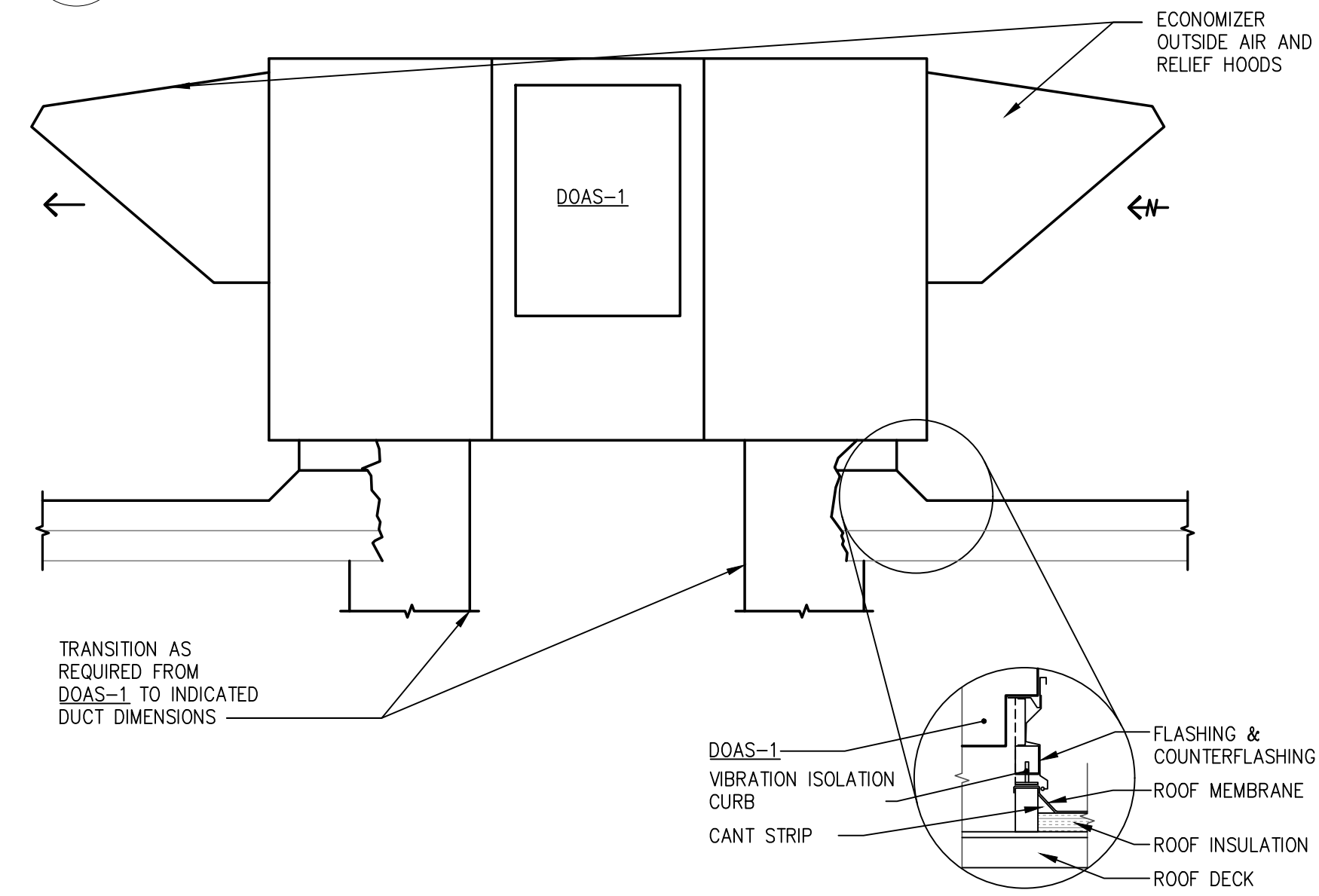
5 EXHAUST FAN DETAIL
SCALE: NTS

- 1 ENCLOSES THE VENTILATED THIMBLE USED FOR ROOF PENETRATION. (WATER SEAL ALL AROUND)
- 2 VENTILATED STORM COLLAR (PROTECTS THE VTR FROM WEATHER AND MOISTURE PENETRATION)
- 3 FLANGE RING.



NOTE: SEAL / WEATHER SEAL ALL COMPONENT CONNECTION POINTS.

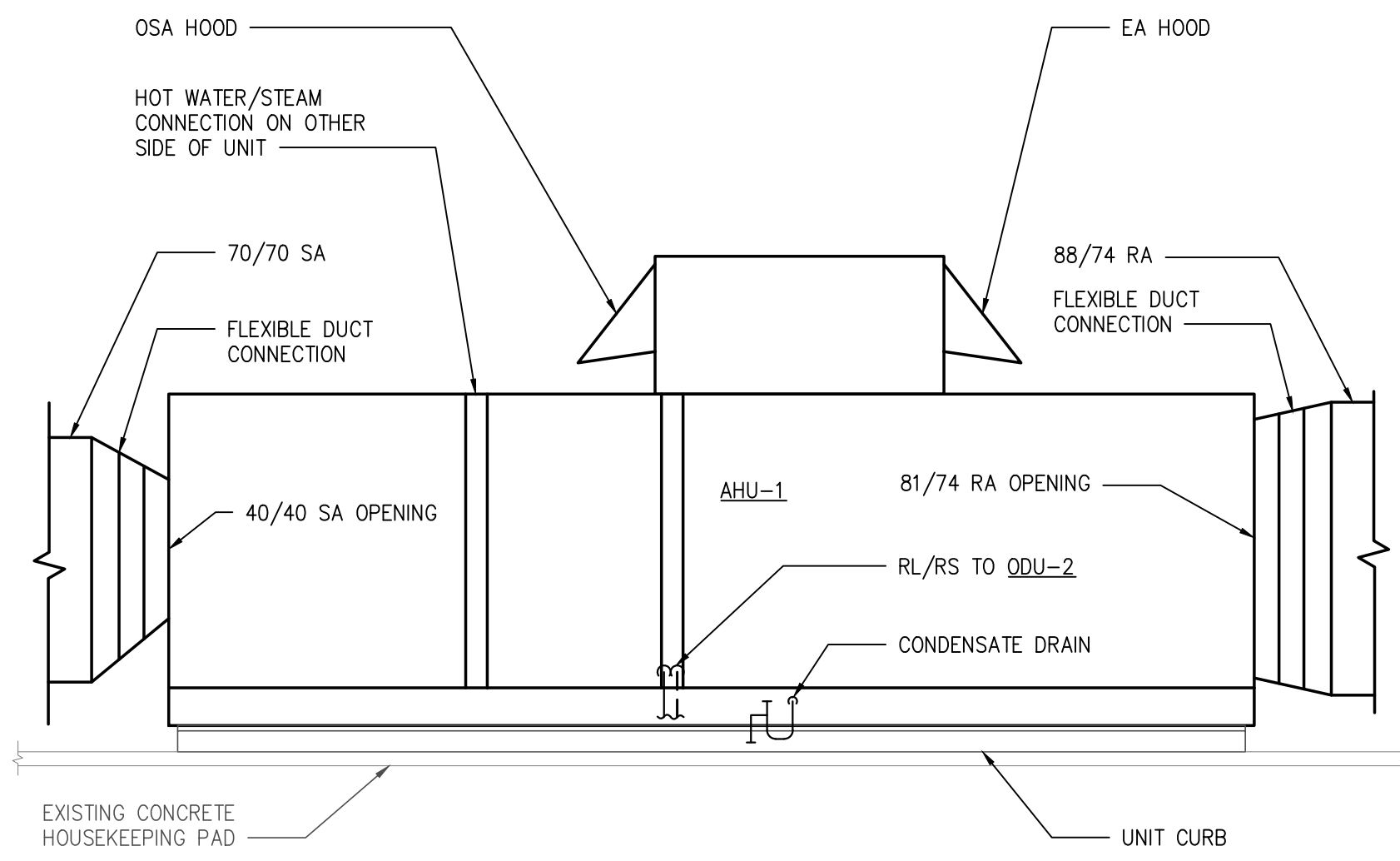
3 COMBUSTION VENT THIMBLE
SCALE: NTS



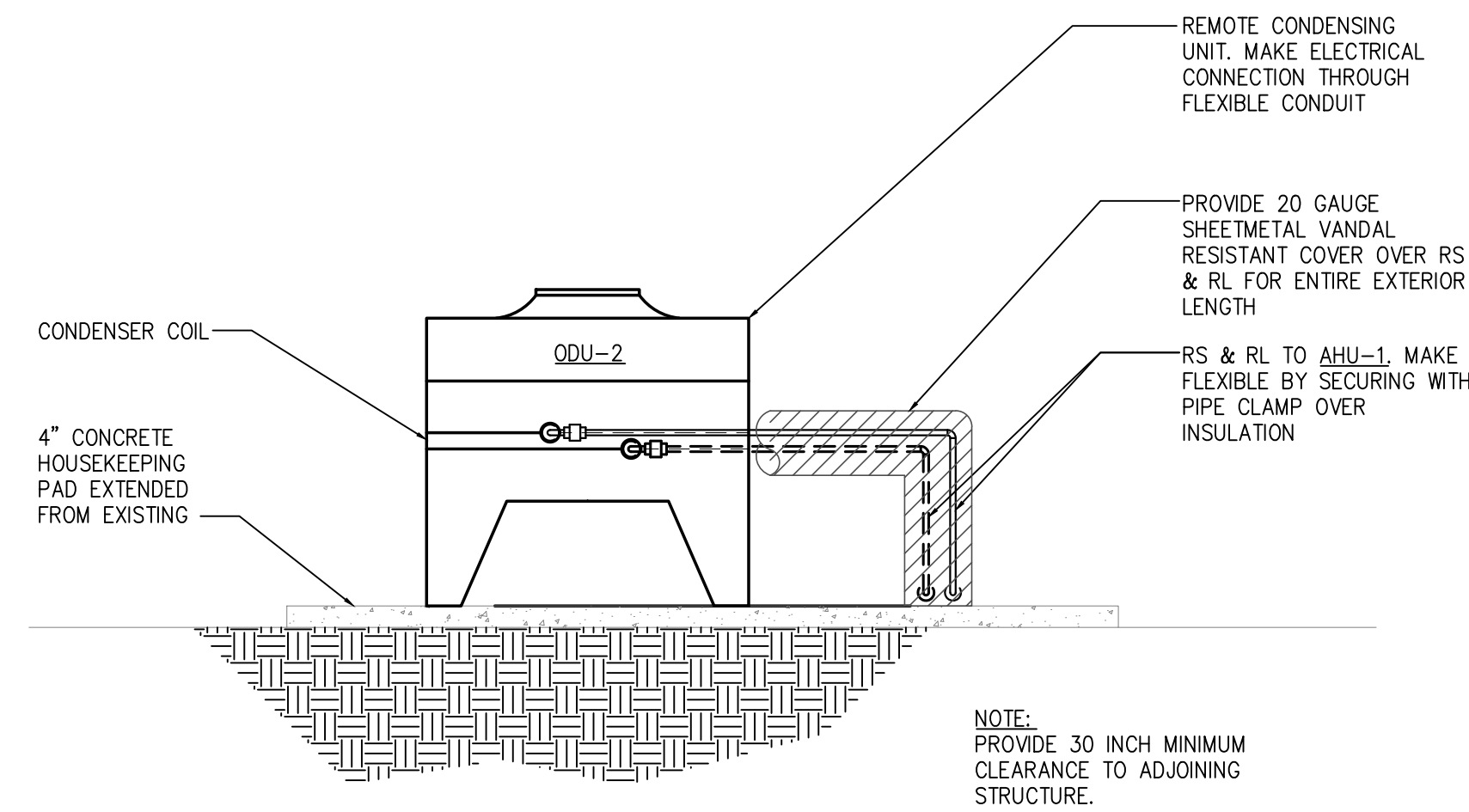
6 ROOFTOP DOAS WITH CURB
SCALE: NTS

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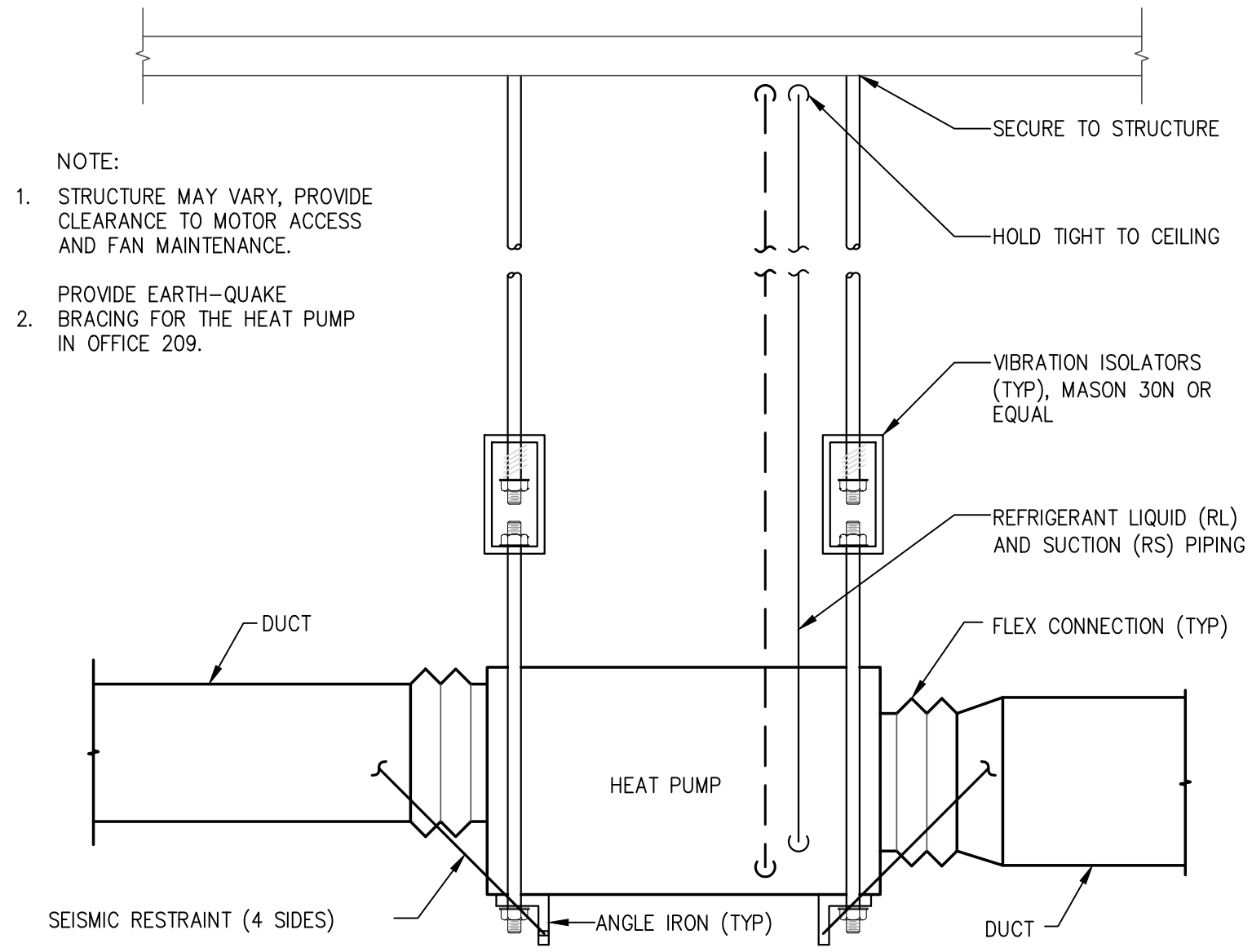
PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DETAILS



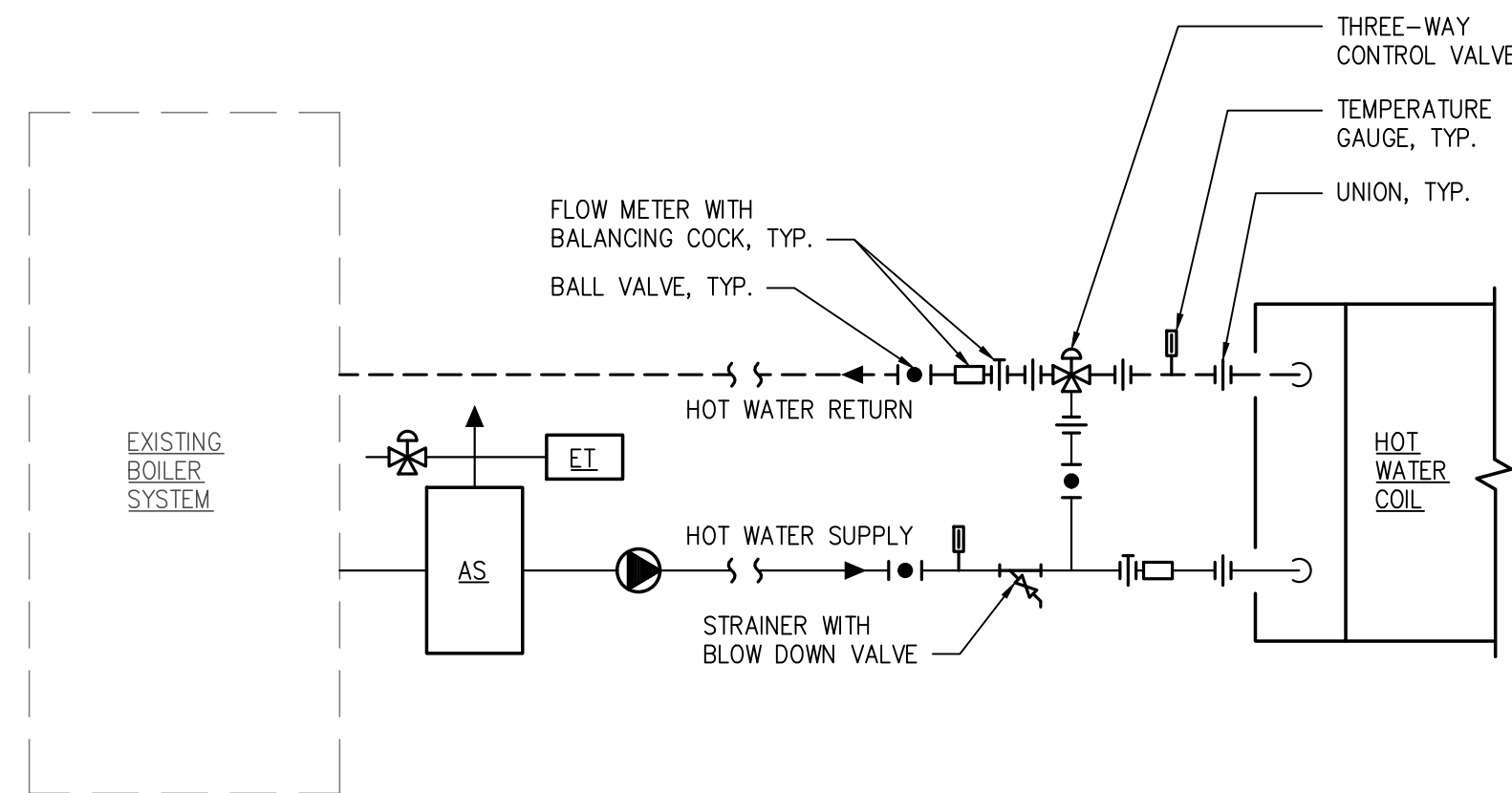
1 AIR HANDLING UNIT DETAIL
M4.3 SCALE: NTS



2 REMOTE CONDENSOR UNIT DETAIL (ODU-2)
M4.3 SCALE: NTS



3 DUCTED IDU DETAIL
M4.3 SCALE: NTS



4 HOT WATER PIPING DETAIL
M4.3 SCALE: NTS

BID SET PHASE 1 4-5-24

REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
MECHANICAL DETAILS

FIRE PROTECTION LEGEND

MECHANICAL ABBREVIATIONS:	SYMBOL	DESCRIPTION
AC		AIR CONDITIONING
AFF		ABOVE FINISHED FLOOR
ASHRAE		AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS
BDD		BACKDRAFT DAMPER
BFF		BELOW FINISHED FLOOR
BTUH		BRITISH THERMAL UNITS PER HOUR
CD		CEILING DIFFUSER
CFM		CUBIC FEET PER MINUTE
CIRC		CIRCULATING
CO		CLEAN OUT
COND		CONDENSATE
COORD		COORDINATE
CW		COLD WATER
DEG		DEGREE
DIA		DIAMETER
DN		DOWN
DWG		DRAWING
E		EXISTING
EA		EACH, EXHAUST AIR
EAT		ENTERING AIR TEMPERATURE
EG		EXHAUST GRILLE
ESP		EXTERNAL STATIC PRESSURE
EWT		ENTERING WATER TEMPERATURE
EXIST		EXISTING
F		FAHRENHEIT
FCO		FLOOR CLEANOUT
FD		FIRE DAMPER
FLA		FULL LOAD AMPS
FOIC		FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FPM		FEET PER MINUTE
FT		FOOT, FEET
G		NATURAL GAS
GA		GAUGE
GAL		GALLONS
GPM		GALLONS PER HOUR
GRD		GRILLES, REGISTERS, AND DIFFUSERS
HP		HORSEPOWER
HVAC		HEATING, VENTILATION & AIR CONDITIONING
HWR		HOT WATER RETURN
HWS		HOT WATER SUPPLY
IE		INVERT ELEVATION
IN		INCH
KW		KILOWATT, (1000 WATTS)
LAT		LEAVING AIR TEMPERATURE
LWT		LEAVING WATER TEMPERATURE
MBH		1000 BTU PER HOUR
MCA		MINIMUM CIRCUIT AMPS
MFG		MANUFACTURER
MIN		MINIMUM
MOD		MOTOR OPERATED DAMPER
NC		NORMALLY CLOSE
NIC		NOT IN CONTRACT
NFPA		NATIONAL FIRE PROTECTION ASSOCIATION
NO		NORMALLY OPEN
NTS		NOT TO SCALE
OA		OUTSIDE AIR
OAT		OUTSIDE AIR TEMPERATURE
QBD		OPPOSED BLADE DAMPER
POC		POINT OF CONNECTION
PSI		POUNDS PER SQUARE INCH
RA		RETURN AIR
RG		RETURN GRILLE
RPM		REVOLUTIONS PER MINUTE
SA		SUPPLY AIR
SD		SUPPLY DIFFUSER
SEC		SEATTLE ENERGY CODE
SP		STATIC PRESSURE
SPD		STATIC PRESSURE DROP
SPEC		SPECIFICATIONS
SS		SANITARY SEWER
TDH		TOTAL DYNAMIC HEAD
TPD		TOTAL PRESSURE DROP
TSP		TOTAL STATIC PRESSURE
TYP		TYPICAL
V		VOLT, VENT
VD		VOLUME DAMPER
VTR		VENT THRU ROOF
WB		WET BULB TEMPERATURE
W/		WITH

	WET UPRIGHT SPRINKLER HEAD
	WET PENDANT SPRINKLER HEAD
	DRY UPRIGHT SPRINKLER HEAD
	HIGH TEMPERATURE SPRINKLER HEAD
	DRY SIDEWALL SPRINKLER HEAD
	FIRE PROTECTION WATER

FIRE PROTECTION GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC REPRESENTING THE INTENT OF THE WORK AND DO NOT RELIEVE NOR WAIVE ANY IFC, NFPA OR LOCAL REQUIREMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL SYSTEM REQUIREMENTS.
- PROVIDE ALL DESIGN, MATERIAL, LABOR, SUPERVISION, TOOLS, AND ITEMS NECESSARY FOR THE CONSTRUCTION, INSTALLATION, CONNECTION, START-UP, TESTING AND OPERATION OF ALL FIRE SUPPRESSION WORK FOR THIS PROJECT. IT SHALL BE THE FIRE SPRINKLER CONTRACTOR'S FULL RESPONSIBILITY TO DESIGN AND INSTALL A COMPLETE WORKING SYSTEM MEETING ALL CODES.
- THE INTENT OF THESE DRAWINGS IS TO DIAGRAMMATICALLY SHOW THE FIRE SPRINKLER PIPING AND ARRANGEMENT OF HEADS IN OCCUPIED AND CRITICAL AREAS ONLY. SPRINKLER HEADS PROTECTING ATTICS, CONCEALED AREAS AND PLENUMS ARE NOT INDICATED BUT REQUIRED. THE DRAWINGS DO NOT NECESSARILY REFLECT THE FULL EXTENT OF PIPE OR SYSTEM COMPONENTS REQUIRED OR EXPECTED. THE FIRE SPRINKLER CONTRACTOR IS NOT RELIEVED FROM INCLUDING ALL REQUIRED COMPONENTS AND WORK IN THEIR CONTRACT.
- PROVIDE SPRINKLER HEADS, PIPING, HEADERS, VALVES, ALARMS AND ACCESSORIES AS REQUIRED FOR A COMPLETE, FUNCTIONAL, CODE COMPLIANT SYSTEM. PIPE SIZING SHOWN IS AN ESTIMATE, FINAL PIPE SIZE SHALL BE COMPLETED BY THE CONTRACTOR AND INCLUDED IN THE PERMIT SUBMITTAL. CONSTRUCTION SHALL NOT BEGIN UNTIL THE CONTRACTOR'S SHOP DRAWINGS ARE APPROVED BY THE LOCAL JURISDICTION AND SHOP DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ARCHITECT.
- FIRE SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL HEADS, PIPING, VALVES AND APPURTENANCES TO ENSURE ADEQUATE COVERAGE IN ALL SPACES INCLUDING ABOVE CEILINGS, IN CRAWLSPACES AND IN ATTICS.
- THE AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 (IBC 903.31 STANDARDS), IBC, IFC AND ALL LOCAL CODES AS A MINIMUM STANDARD. ADDITIONAL REQUIREMENTS WILL BE NOTED IN THE SPECIFICATIONS OR IN THESE DRAWINGS THAT EXCEED CODE REQUIREMENTS.
- PROVIDE COVERAGE FOR THE ENTIRE FACILITY INCLUDING AREAS ABOVE AND BELOW CEILINGS, ATTIC SPACES, CATWALKS, INTERSTITIAL SPACES, OVERHANGS AND MECHANICAL/ELECTRICAL ROOMS TO ACCOMPANY THE AHJ CODE REQUIREMENTS. THE ASSUMPTION OF FIRE ALARM DEVICES OR SYSTEMS BEING INSTALLED DOES NOT RELIEVE THE FIRE SPRINKLER CONTRACTOR OF PROVIDING COMPLETE COVERAGE OF ALL AREAS.
- FIRE SPRINKLER MAIN NOT SHOWN SHALL BE LAID OUT PER CODE SPECIFIED AND SYSTEM REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR AREAS NOT SHOWN OR FOR MULTIPLE FLOORS THAT REQUIRE FIRE SPRINKLING COVERAGE.
- ALL PIPING SHALL BE CONCEALED IN FINISHED AREAS TO THE GREATEST EXTENT POSSIBLE. ANY EXPOSED PIPING IN UNFINISHED AREAS SHALL BE ONLY BY APPROVAL OF THE ARCHITECT AND BE PAINTED TO MATCH SURROUNDINGS. IN VAULTED CEILING AREAS, PIPING SHALL BE INSTALLED IN SOFFIT OR BEHIND CEILING FINISH.
- SEE ARCHITECTURAL DRAWINGS FOR ATTIC AND CONCEALED SPACES, PROVIDE SPRINKLER COVERAGE IN THOSE SPACES AS APPLICABLE.
- EXPOSED FIRE SPRINKLER PIPING SHALL BE LIMITED TO THE AREAS SHOWN. ANY DEVIATIONS IN THE FIRE MAIN LAYOUT SHOWN HERE SHALL BE APPROVED BY THE ARCHITECT BEFORE INSTALLATION AND SHALL BE AT NO ADDITIONAL COST TO THE OWNER. NO EXPOSED PIPING WILL BE ALLOWED IF, IN THE BUILDING STRUCTURE, THE ARCHITECT HAS PROVIDED SHAFTS, FURRED AREAS OR CONCEALED SPACES WHERE PIPING COULD BE HIDDEN FROM VIEW. DO NOT RUN PIPING OVER ELECTRICAL PANELS OR SWITCHGEAR EXCEPT WHERE LOCATED ABOVE THE STRUCTURAL CEILING.
- CENTER SPRINKLER HEADS AND OTHER EXPOSED SPRINKLER SYSTEM ACCESSORIES IN CEILING GRIDS ON CENTERLINES OF ARCHITECTURAL FEATURES. REFER TO ARCHITECTURAL.
- THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF THE PIPING AND HEADS TO AVOID INTERFERENCE WITH LIGHT FIXTURES, ELECTRICAL CABLE TRAYS, HEATING/COOLING EQUIPMENT, DUCTWORK AND ANY ARCHITECTURAL FEATURES SUCH AS SKYLIGHTS, STAIRWAYS, ETC. IN CATWALK AREAS, PIPING SHOULD BE RUN AS HIGH AS POSSIBLE TO ALLOW THE MAXIMUM HEADROOM OVER THE MECHANICAL EQUIPMENT AND AISLE SPACES. MAXIMUM CLEARANCE SHALL BE MAINTAINED FOR SERVICE ACCESS AND MAINTENANCE FOR ALL EQUIPMENT. FAILURE TO COORDINATE SHALL BE JUSTIFICATION TO REQUIRE THE CONTRACTOR, AT HIS OWN EXPENSE, TO MOVE AND REDO HIS WORK.
- ALL PIPING SHALL BE SLOPED PARALLEL TO BUILDING STRUCTURE AND INSTALLED TO DRAIN.
- PROVIDE THRUST BLOCKS AT ALL CHANGES IN DIRECTION FOR UNDERGROUND SERVICE PIPING.
- ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE, RECESSED HEADS WHERE EXPOSED IN CEILINGS.
- PROVIDE DRY PIPE FIRE SPRINKLER COVERAGE FOR ALL EAVES AND OVERHANGS THAT EXTEND BEYOND 4' FROM THE BUILDING, COVERED WALKWAYS/ENTRYWAYS AND ANY UNCONDITIONED AREAS AND SPACES.
- PROVIDE HEAD GUARDS OR WIRE PROTECTIVE CAGES AS REQUIRED ON ALL SPRINKLER HEADS THAT MAY BE SUBJECT TO DAMAGE BY INCIDENTAL CONTACT.

APPLICABLE CODES

2018 WASHINGTON STATE BUILDING CODE
2018 WASHINGTON STATE FIRE CODE

FIRE PROTECTION INDEX

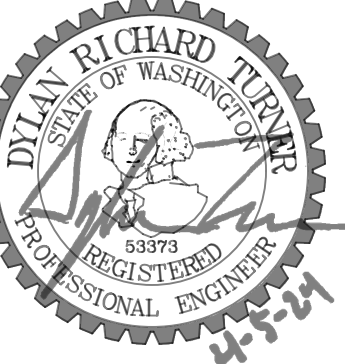
F0.1	FIRE PROTECTION GENERAL NOTES AND LEGEND
FD1.0	FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
F1.0	FIRST FLOOR FIRE PROTECTION PLAN
F1.1	FIRE PROTECTION ROOF PLAN



THE GREENBUSCH GROUP, INC



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(206) 378-0569 www.greenbusch.com



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

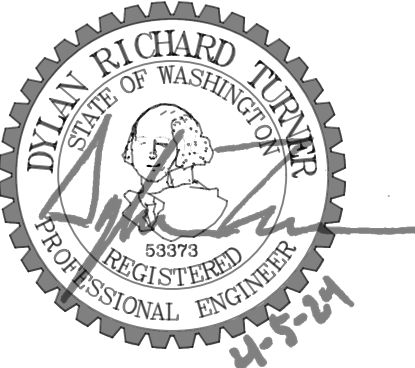
BID SET PHASE 1	4-5-24
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REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN

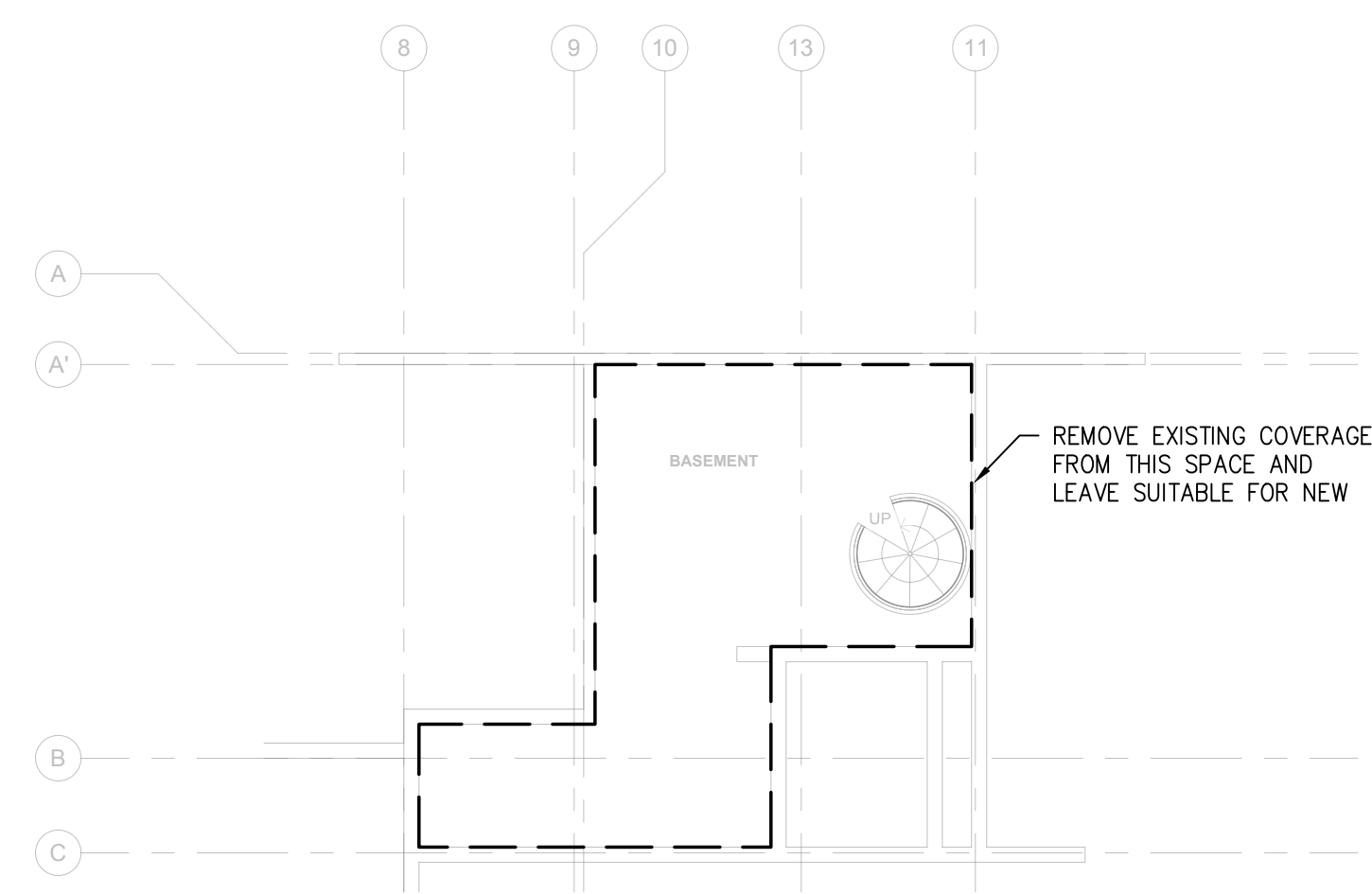
FIRE PROTECTION GENERAL NOTES AND LEGEND

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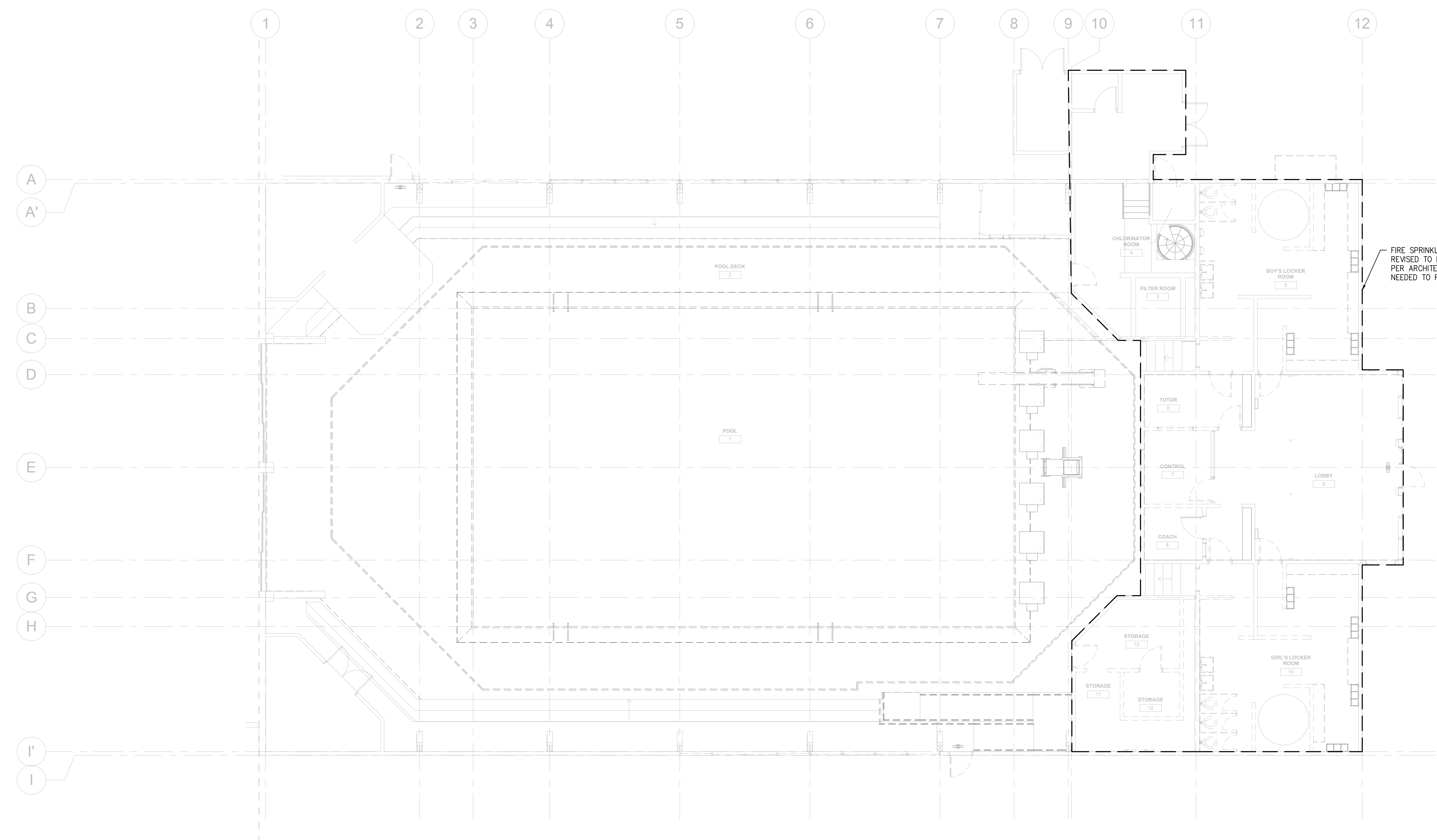
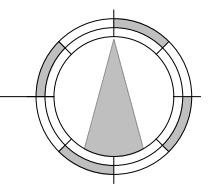


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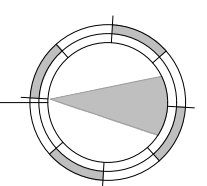
1. PIPING IS DIAGRAMMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.



1 BASEMENT FIRE PROTECTION DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



RAY WILLIAMSON POOL IMPROVEMENTS

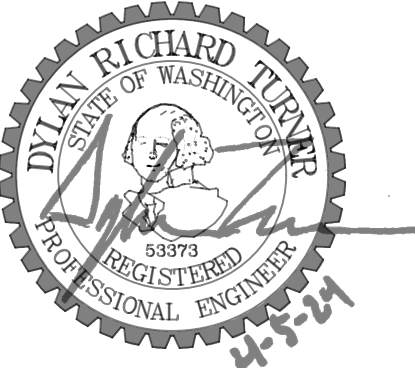
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BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 4-5-24

REVISIONS	
#	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

FD1.0
2208

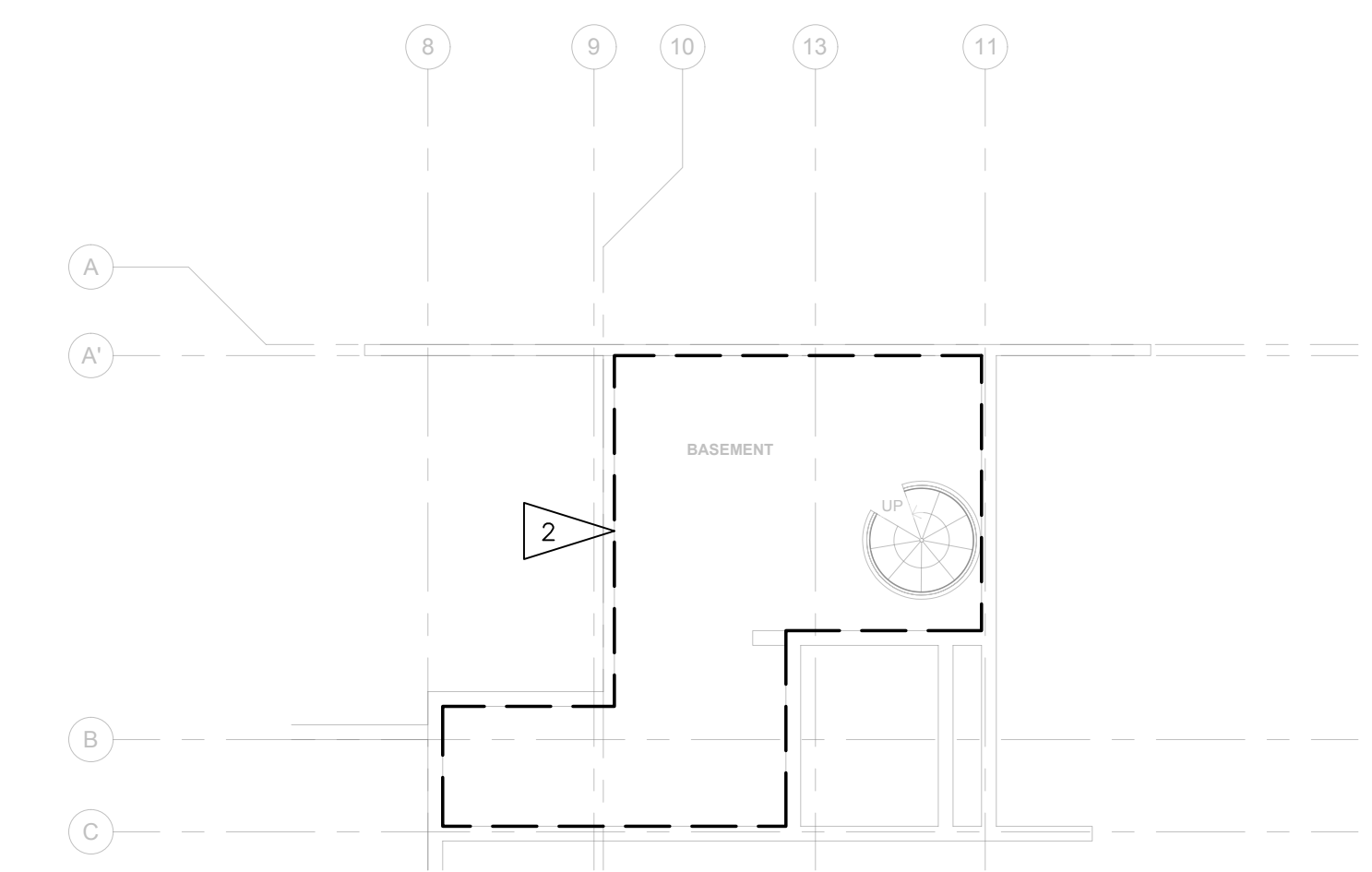


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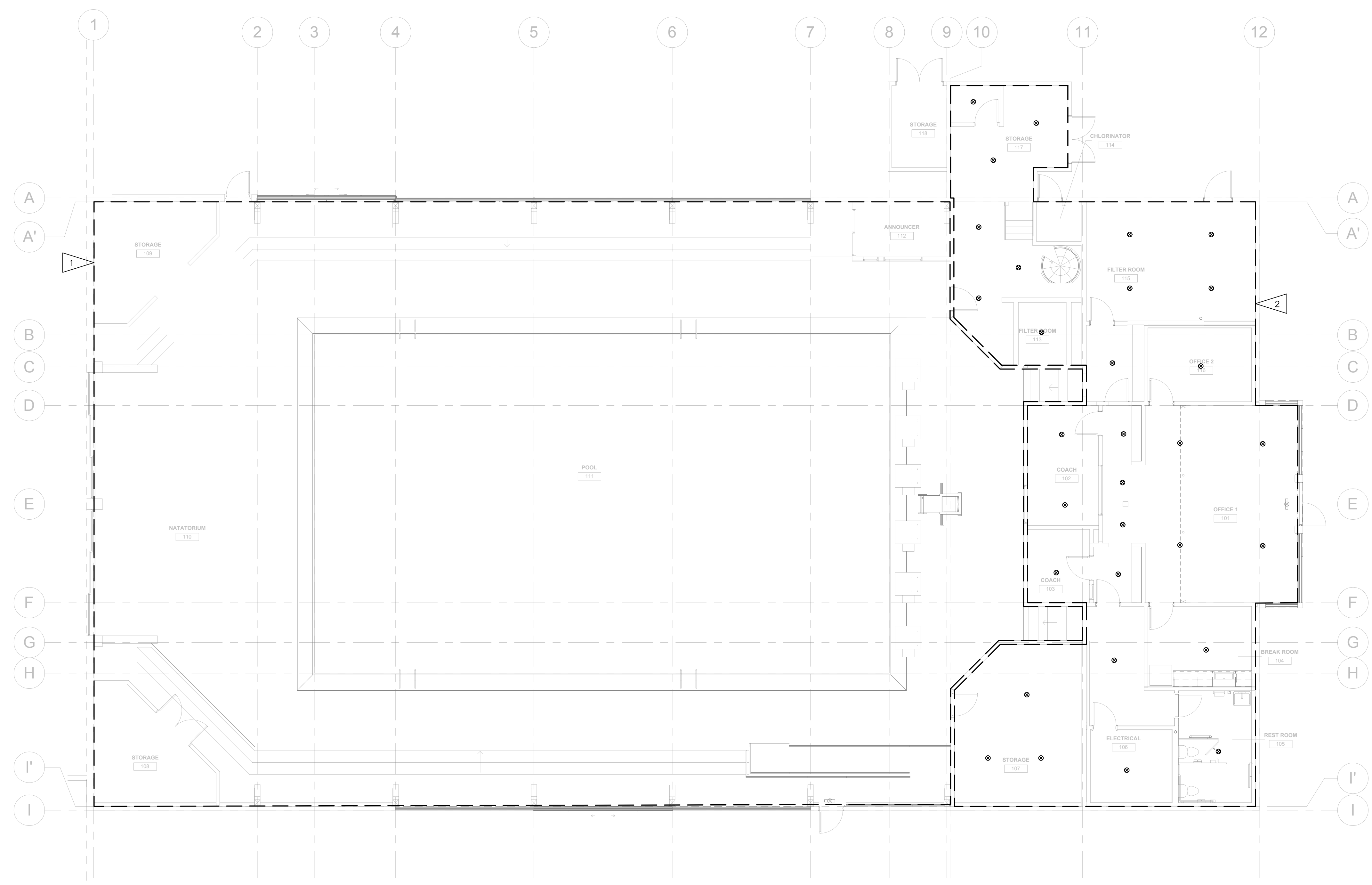
1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.

SHEET KEYNOTES:

- 1 EXISTING SPRINKLER PIPE TO REMAIN IN THIS AREA. ALL PIPE, EXPOSED OR CONCEALED, IN THIS AREA TO BE CLEANED AND REPAINTED FOR CORROSION PROTECTION.
- 2 ALL NEW SPRINKLERS IN THIS AREA. PAINT FOR CORROSION PROTECTION PRIOR TO COVER.



1 BASEMENT FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

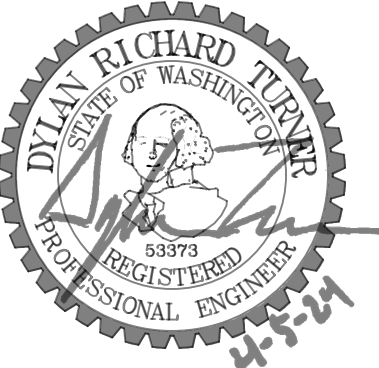
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BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 4-5-24

#	REVISIONS	DATE

PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FIRST FLOOR FIRE PROTECTION PLAN

F1.0
2208

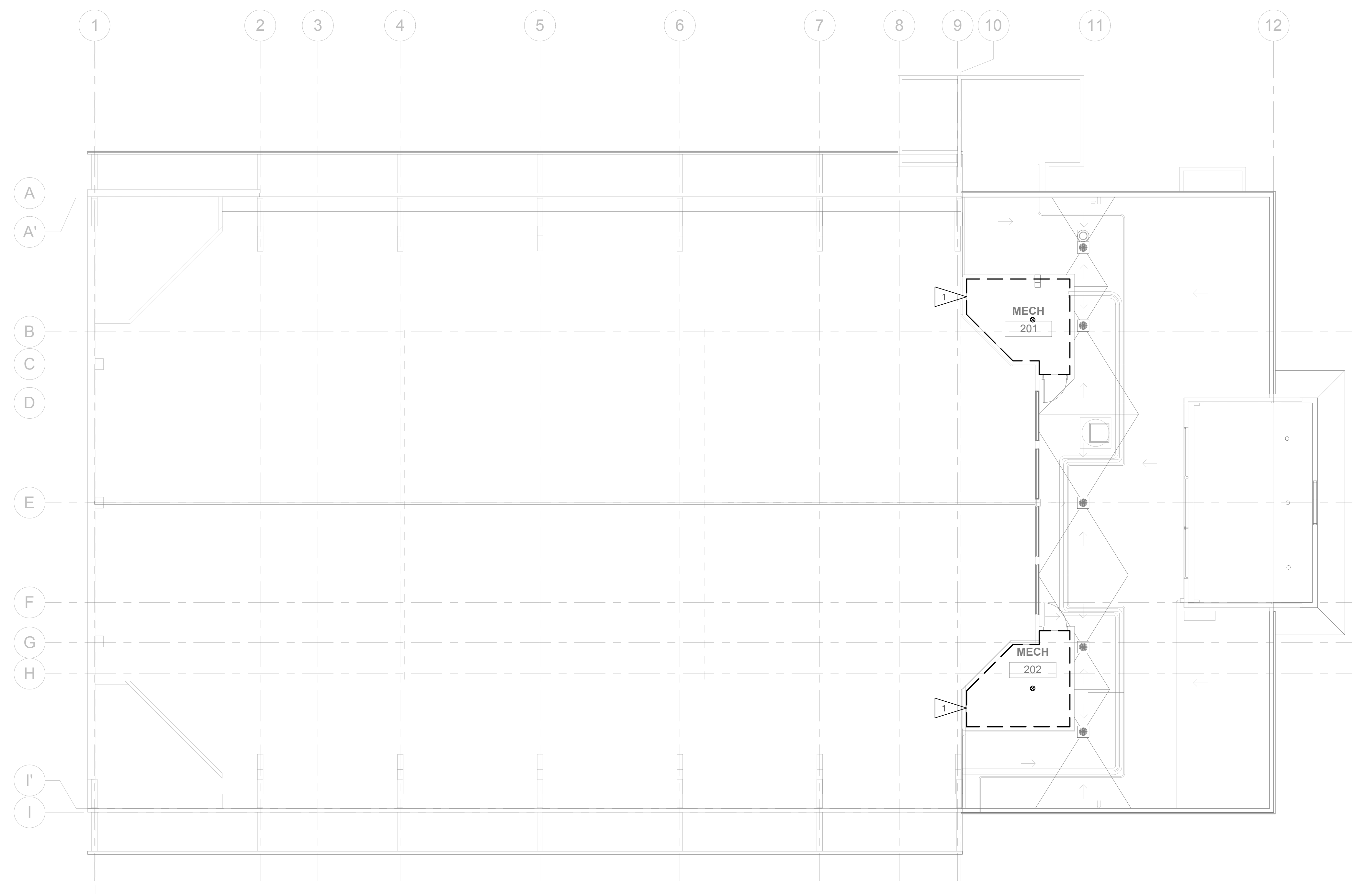


SHEET NOTES:

1. PIPING IS DIAGNAMATIC. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO AVOID WORK OF OTHER TRADES AND AS REQUIRED FOR A CODE COMPLIANT INSTALLATION.

SHEET KEYNOTES:

1. ALL NEW SPRINKLERS IN THIS AREA. PAINT FOR CORROSION PROTECTION PRIOR TO COVER.



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

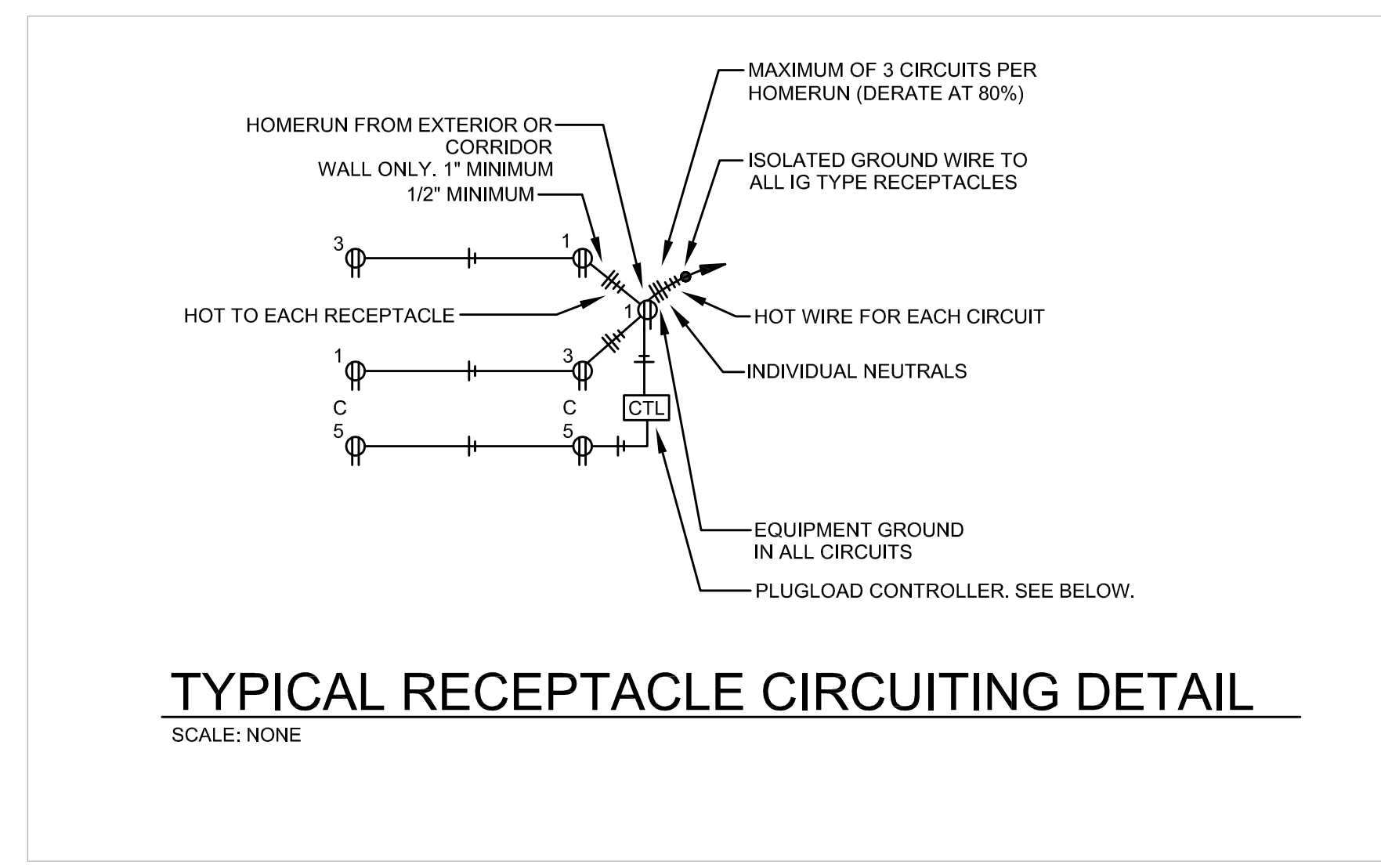
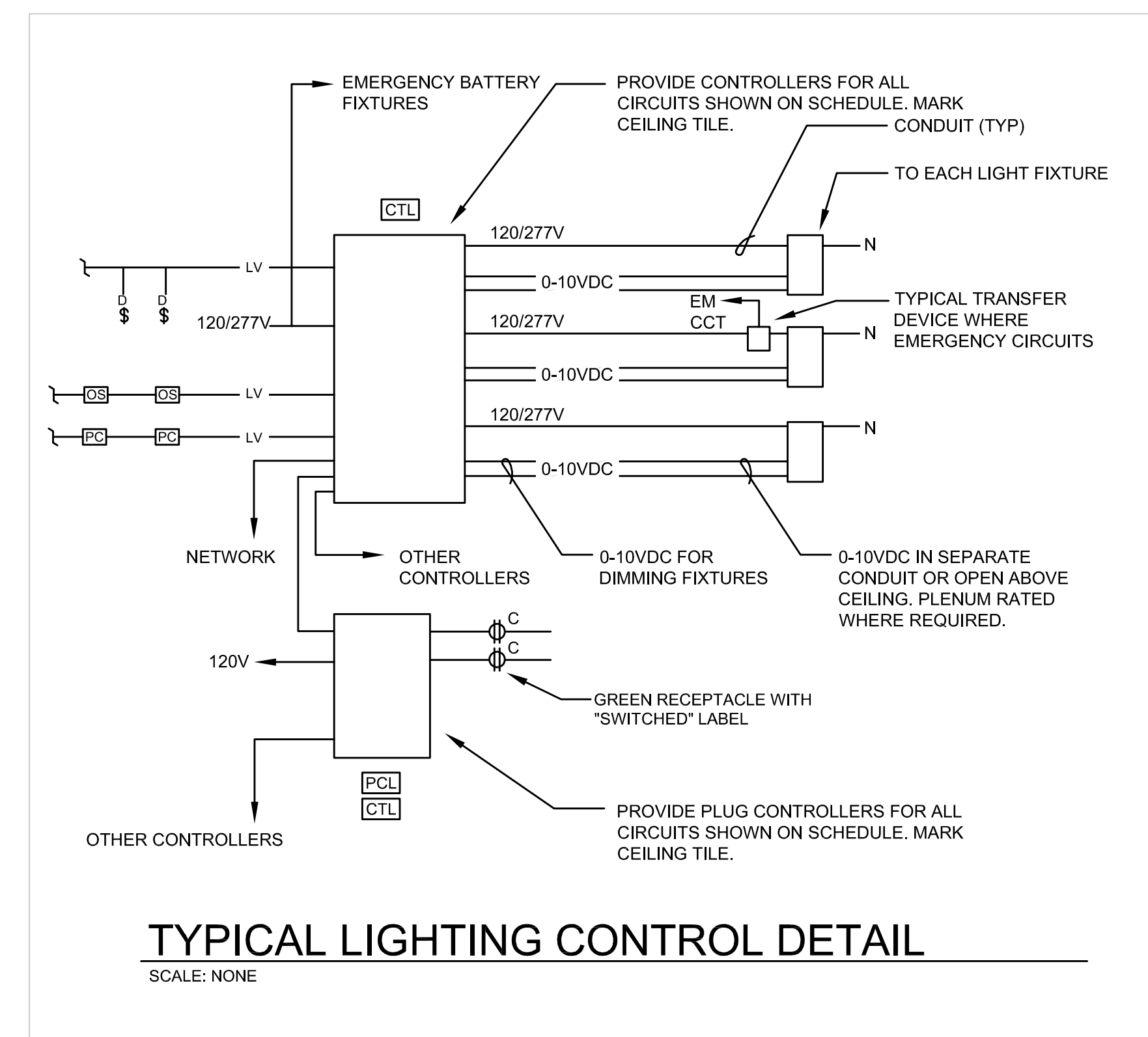
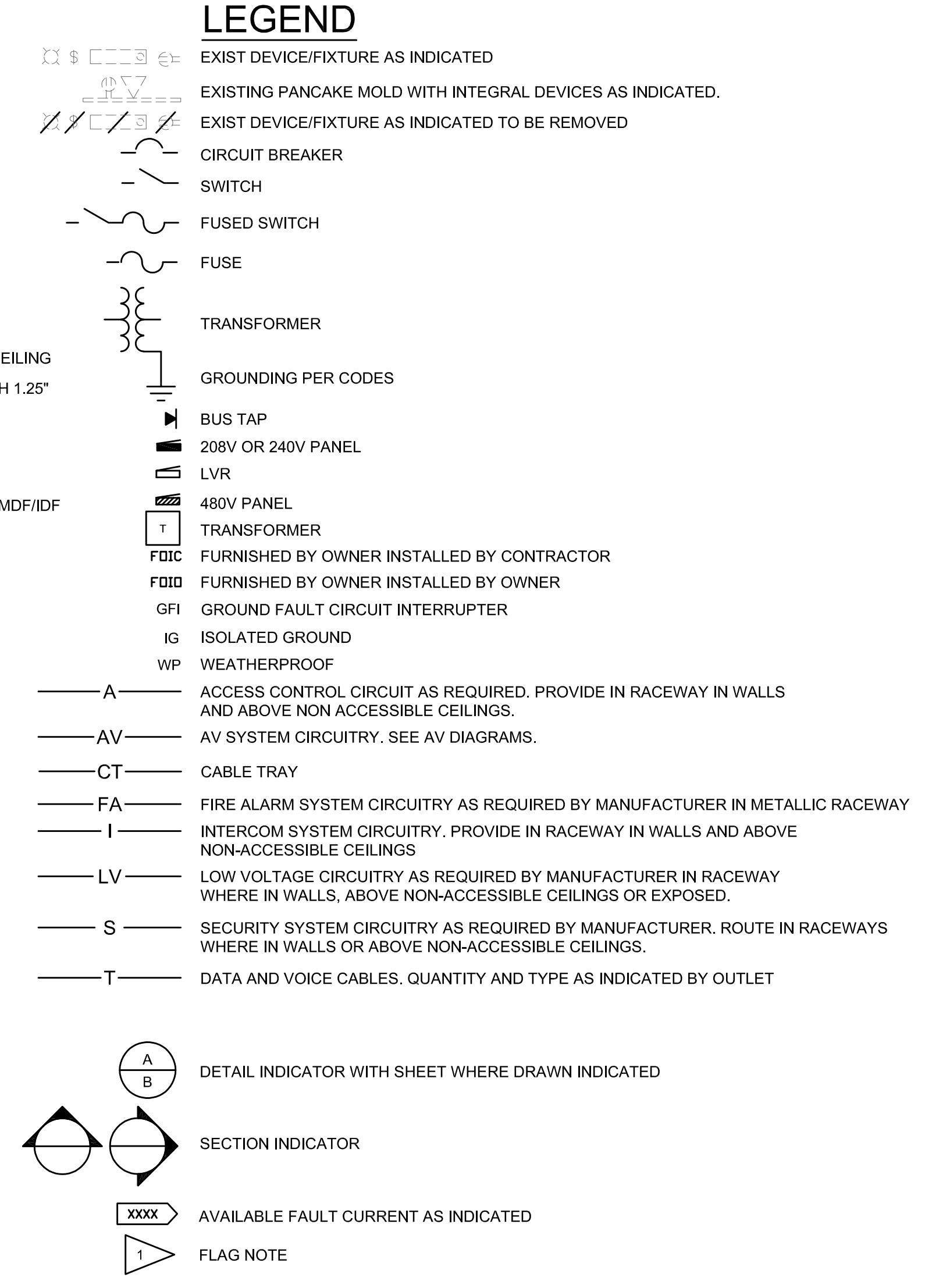
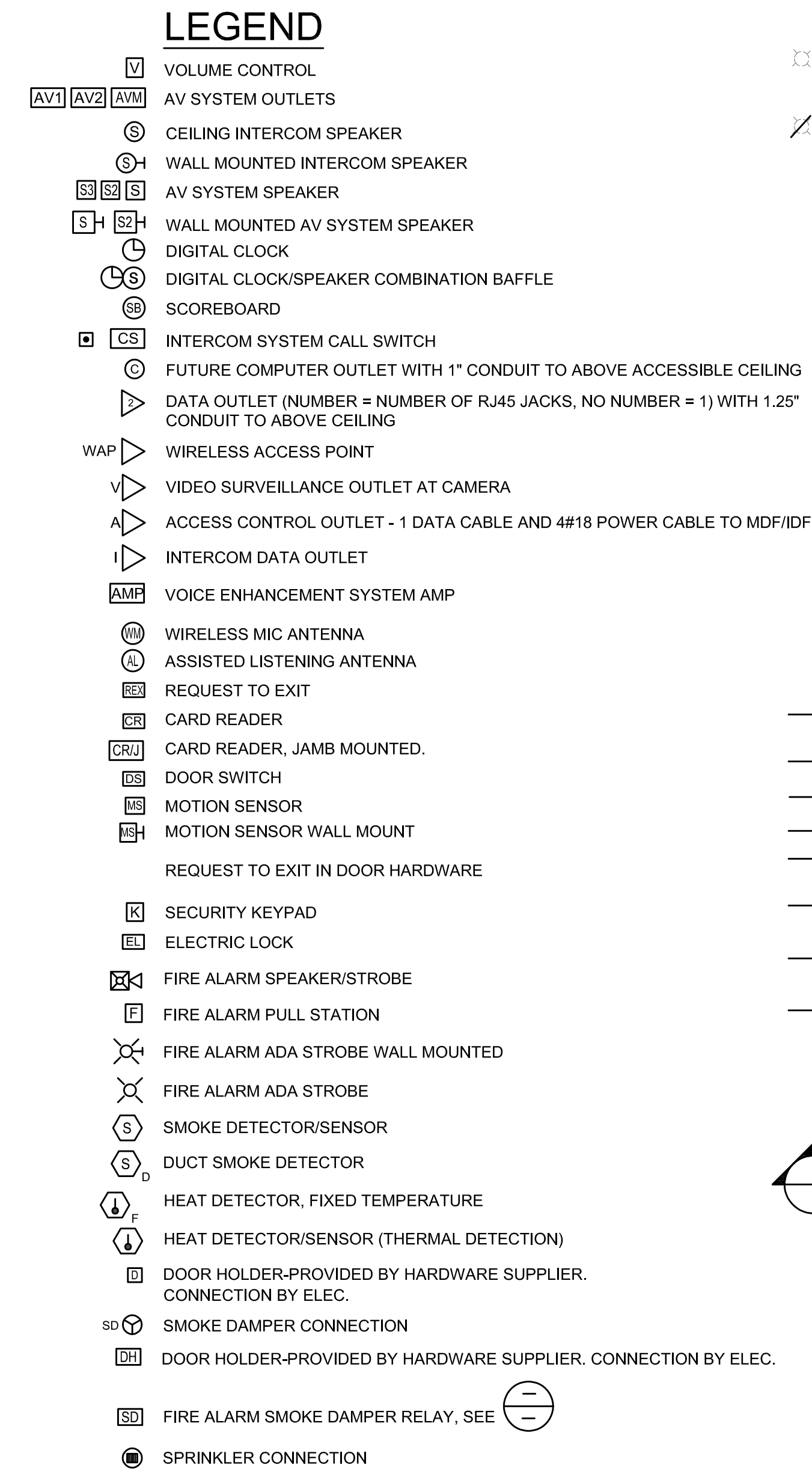
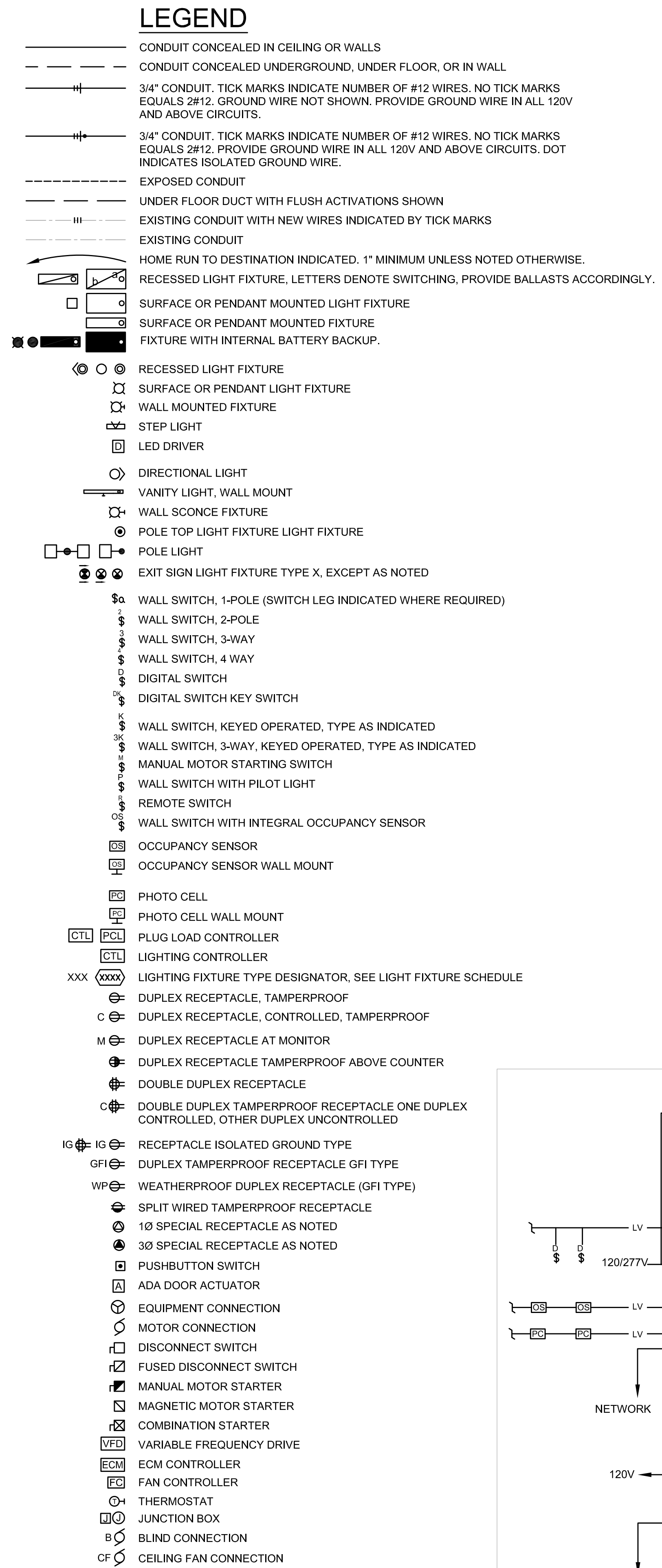
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#	DATE

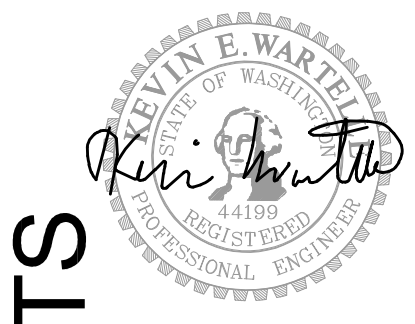
PROJECT ARCHITECT
PROJECT MANAGER
DRAWN
FIRE PROTECTION ROOF PLAN

F1.1
2208

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



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DATE: 01/11/24



RAY WILLIAMSON POOL IMPROVEMENTS

**8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110**

BID SET PHASE 1	04-05-24
REVISIONS	
#	DATE

PROJECT ENGINEER	KW
PROJECT MANAGER	AB,RJ
DRAWN	AS

LEGEND	
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RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 04-05-24

REVISIONS	
#	DATE

PROJECT ENGINEER
KW
PROJECT MANAGER
AB,RJ
DRAWN
AS

**SITE PLAN -
ELECTRICAL**

E-1.1
2208

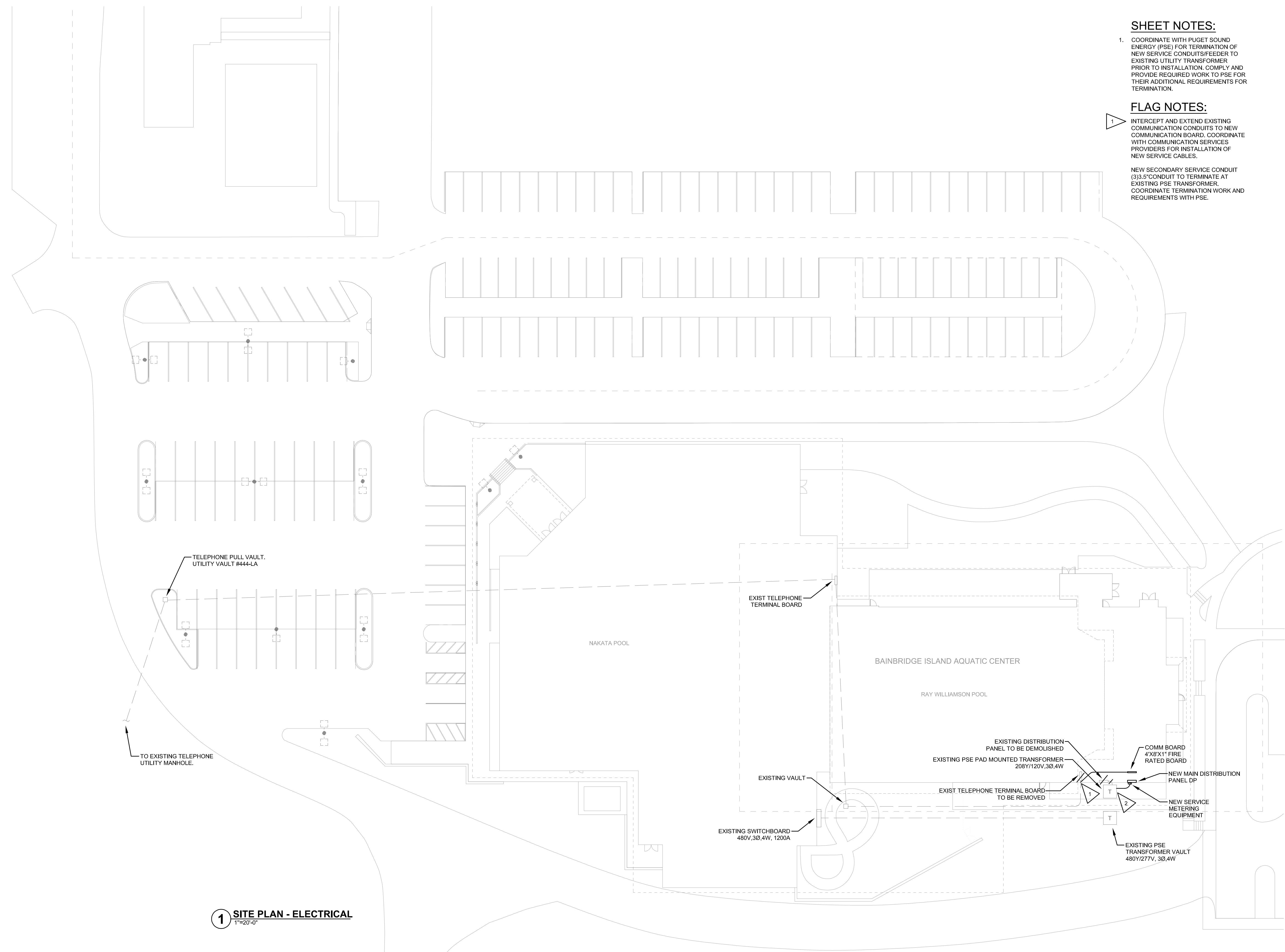
SHEET NOTES:

- COORDINATE WITH PUGET SOUND ENERGY (PSE) FOR TERMINATION OF NEW SERVICE CONDUITS/FEEDER TO EXISTING UTILITY TRANSFORMER PRIOR TO INSTALLATION. COMPLY AND PROVIDE REQUIRED WORK TO PSE FOR THEIR ADDITIONAL REQUIREMENTS FOR TERMINATION.

FLAG NOTES:

- INTERCEPT AND EXTEND EXISTING COMMUNICATION CONDUITS TO NEW COMMUNICATION BOARD. COORDINATE WITH COMMUNICATION SERVICES PROVIDERS FOR INSTALLATION OF NEW SERVICE CABLES.

NEW SECONDARY SERVICE CONDUIT (3/3.5" CONDUIT) TO TERMINATE AT EXISTING PSE TRANSFORMER. COORDINATE TERMINATION WORK AND REQUIREMENTS WITH PSE.



1 SITE PLAN - ELECTRICAL
1"=20'-0"

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RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

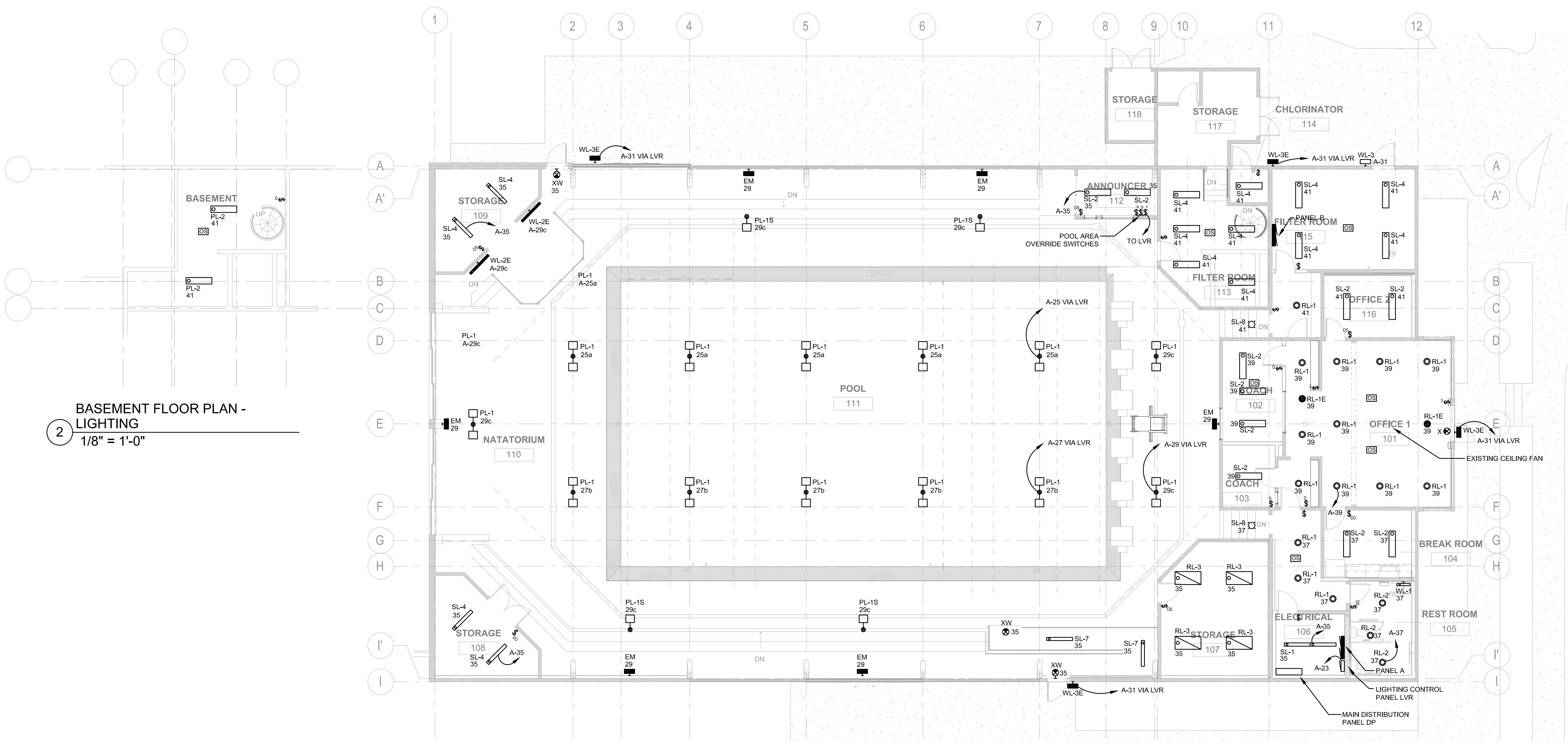
BID SET PHASE 1 04-05-24

#	REVISIONS	DATE

PROJECT ENGINEER
 KW
 PROJECT MANAGER
 AB,RJ
 DRAWN
 AS

FLOOR PLAN - LIGHTING

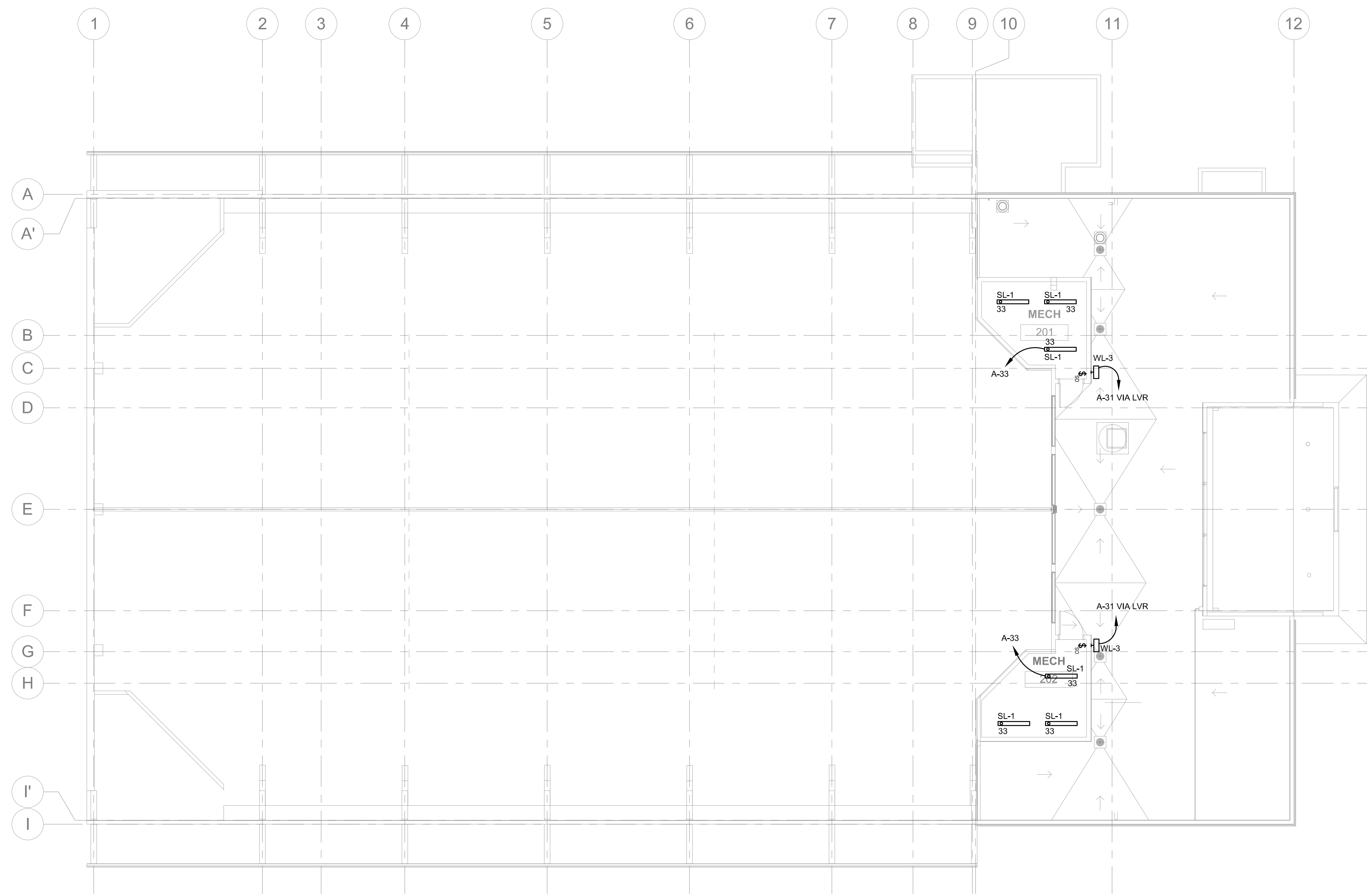
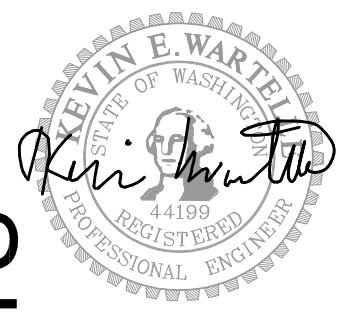
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 2208



2 BASEMENT FLOOR PLAN - LIGHTING
 1/8" = 1'-0"

1 FLOOR PLAN - LIGHTING
 1/8" = 1'-0"

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RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1	04-05-24
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REVISIONS	
#	DATE

PROJECT ENGINEER KW
PROJECT MANAGER AB,RJ
DRAWN AS

**ROOF PLAN -
LIGHTING**

E-2.2
2208

1 ROOF PLAN - LIGHTING
1/8" = 1'-0"



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1	04-05-24
REVISIONS	
#	DATE

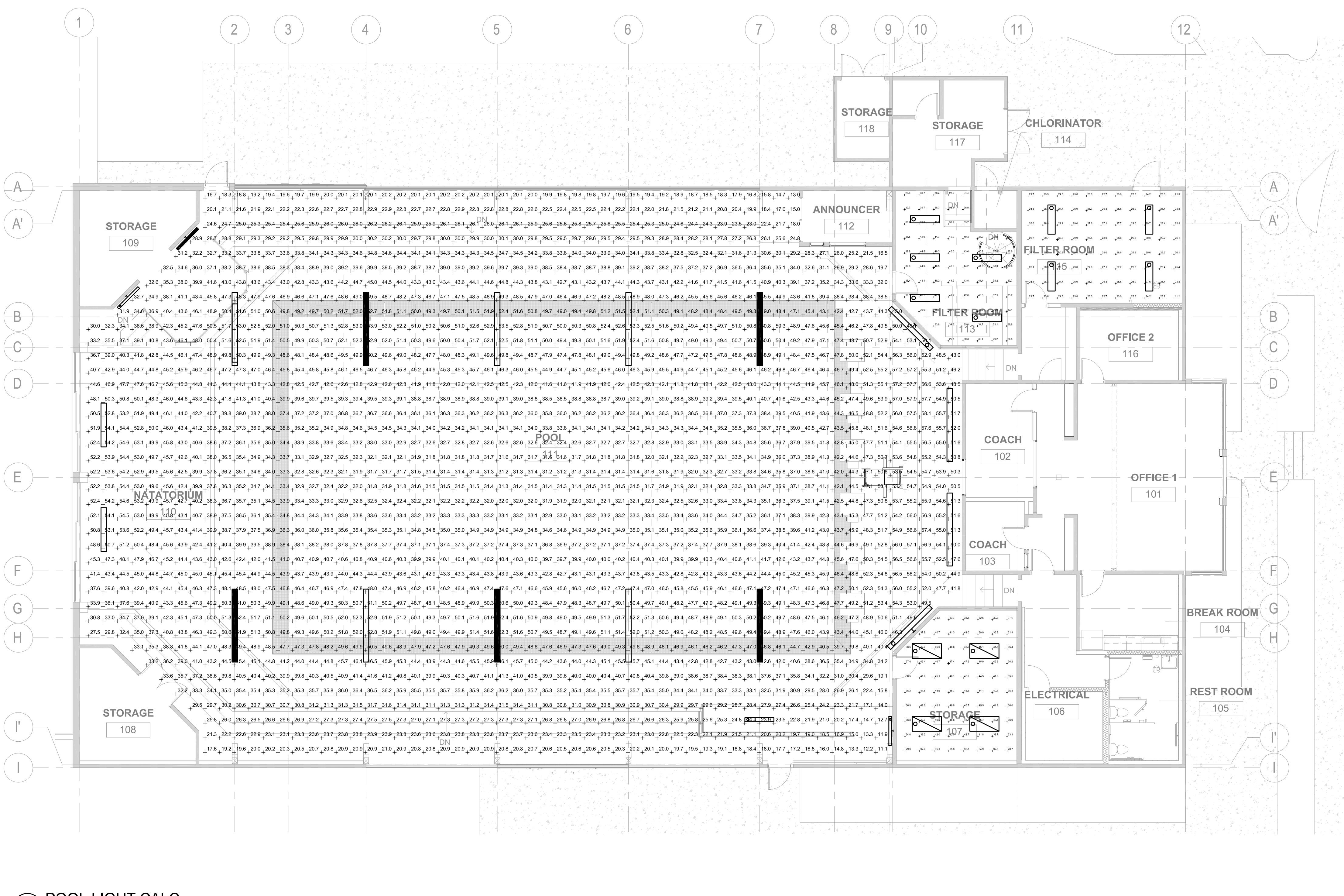
PROJECT ENGINEER	KW
PROJECT MANAGER	AB,RJ
DRAWN	AS

POOL LIGHT CALC

LIGHTING CALCULATION VALUES:

FILTER ROOM 113: 37.3 FOOT CANDLE AVERAGE
FILTER ROOM 115: 26.6 FOOT CANDLE AVERAGE
STOREROOM 107: 40 FOOT CANDLE AVERAGE
POOL & POOL DECK: 39.5 FOOT CANDLE AVERAGE

pool light calc	
Average	39.5 fc
Maximum	58.1 fc
Minimum	11.1 fc
Max/Min	5.2:1
Average/Min	3.6:1



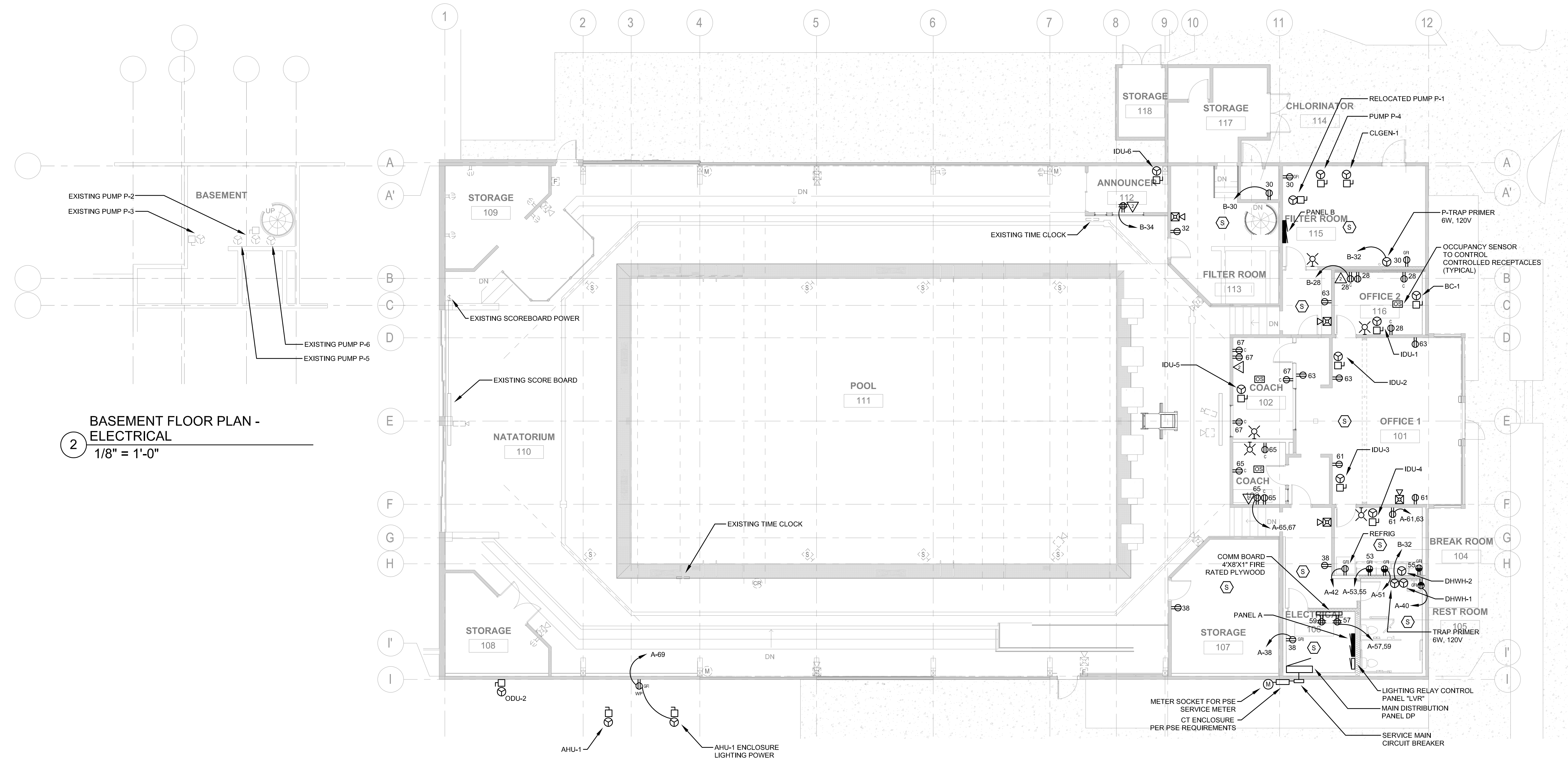
1 POOL LIGHT CALC
1/8" = 1'-0"

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DATEPLOT TO: F:\N



SHEET NOTES:

- CONNECT RECEPTACLES AND EQUIPMENT TO DESIGNATED ASSIGNED CIRCUIT.
- REFER TO MECHANICAL/PLUMBING CONNECTION SCHEDULE FOR ASSIGNED CIRCUITRY TO THE EQUIPMENT.
- CONNECT ALL NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM PANEL. FIRE ALARM WIRING SHALL BE 1/2" 4#18 IN 3/4" CONDUIT.
- HOMERUN ALL DATA CABLES (CAT6) IN NEW COMM BOARD AND TERMINATE ALL CABLES TO PATCH PANEL. ALL DATA CABLES SHALL BE IN A RACEWAY (1" CONDUIT EMT MINIMUM)



2 BASEMENT FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"

1 FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 04-05-24

#	REVISIONS	DATE

PROJECT ENGINEER KW
 PROJECT MANAGER AB,RJ
 DRAWN AS

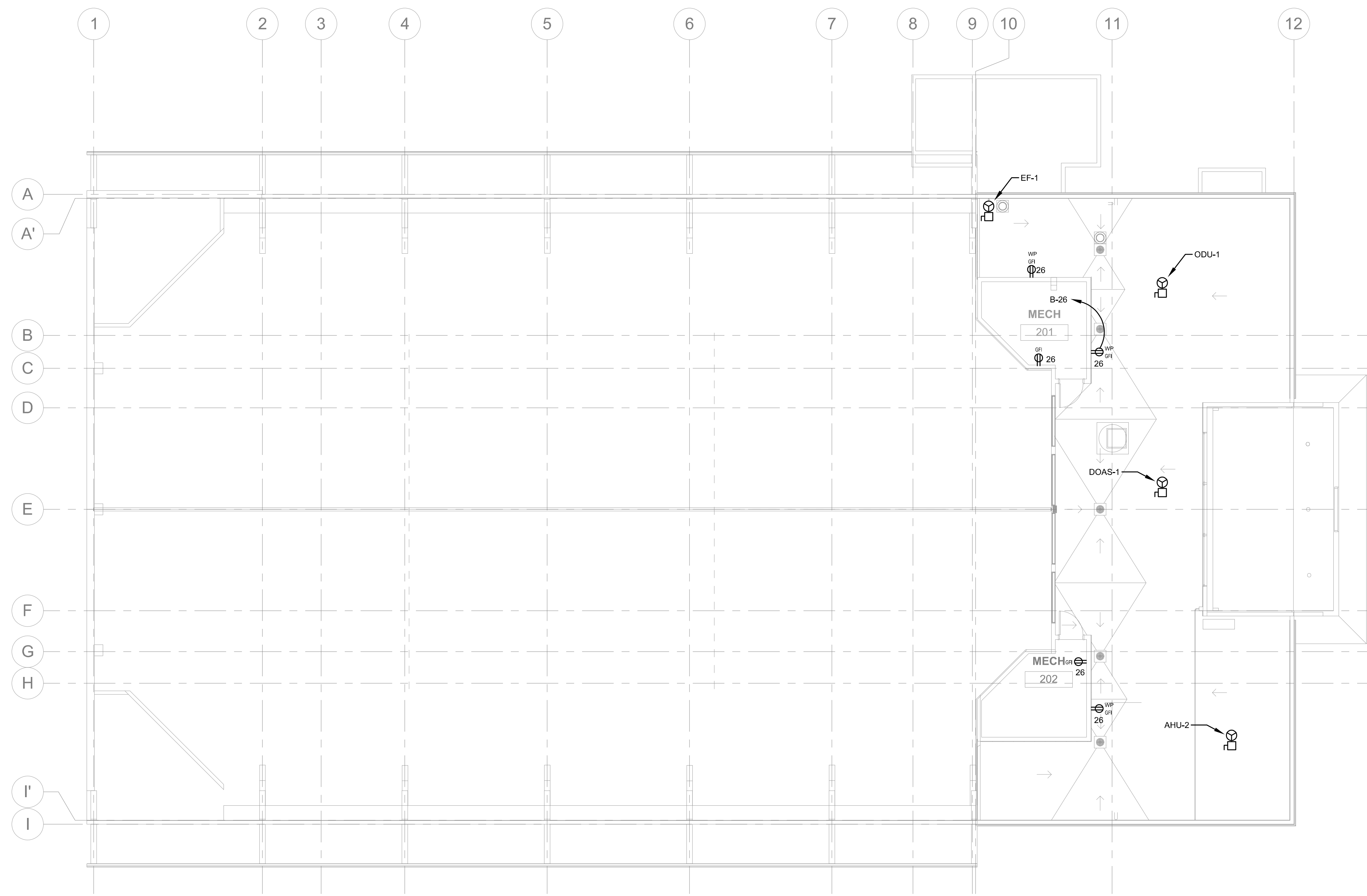
FLOOR PLAN - ELECTRICAL

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SHEET NOTES:

1. CONNECT RECEPTACLES AND EQUIPMENT TO DESIGNATED ASSIGNED CIRCUIT.
2. REFER TO MECHANICAL/PLUMBING CONNECTION SCHEDULE FOR ASSIGNED CIRCUITRY TO THE EQUIPMENT.



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 04-05-24

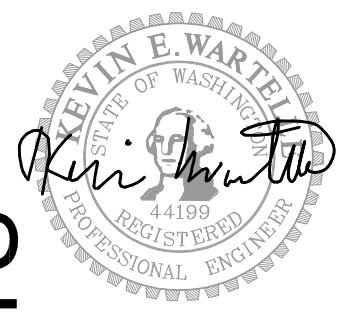
REVISIONS	
#	DATE

PROJECT ENGINEER
KW
PROJECT MANAGER
AB,RJ
DRAWN
AS

**ROOF PLAN -
ELECTRICAL**

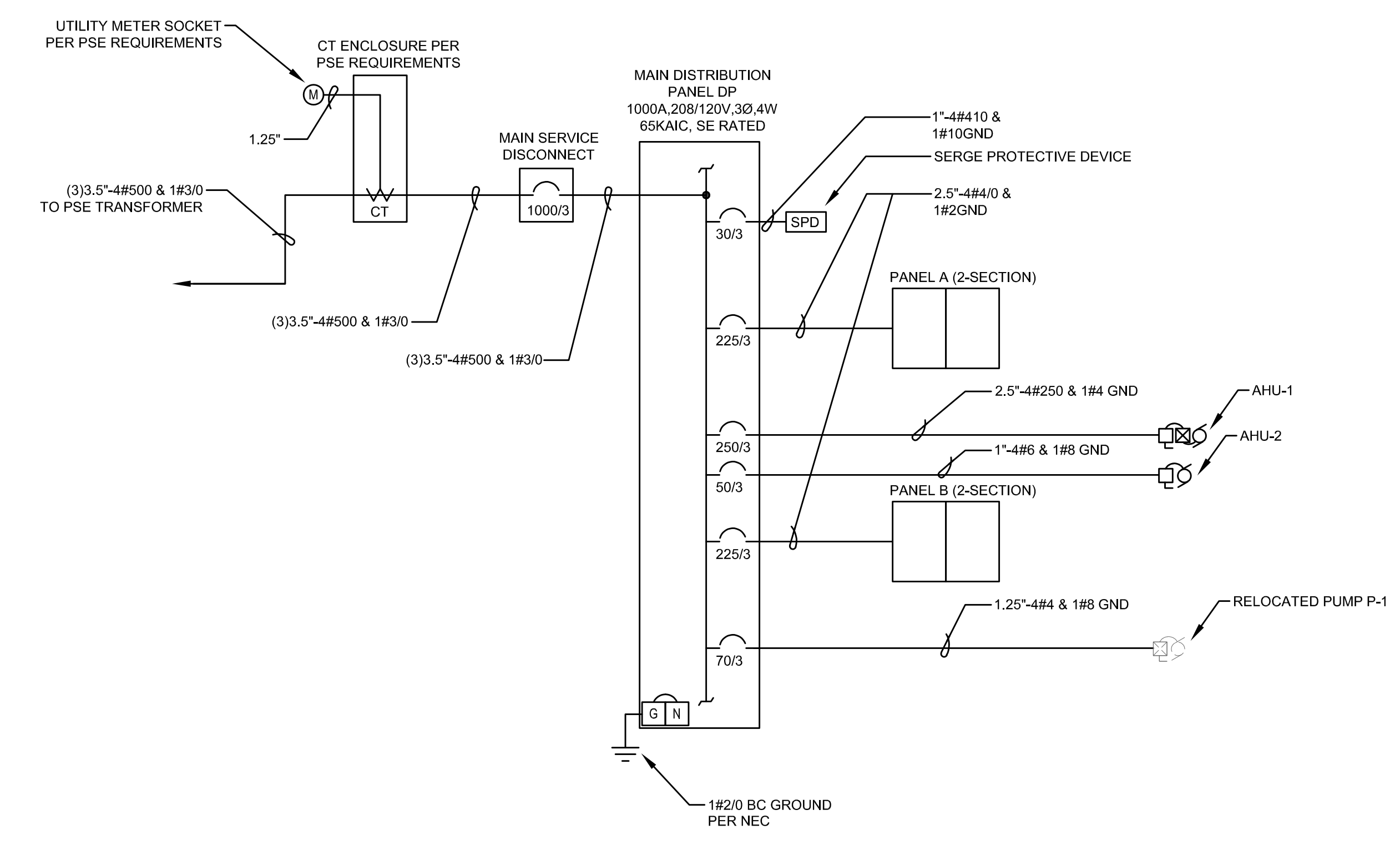
E-3.2
2208

1 ROOF PLAN - ELECTRICAL
1/8" = 1'-0"



RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110



1 ONE LINE DIAGRAM
 NTS

BID SET PHASE 1	04-05-24
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REVISIONS	
#	DATE

PROJECT ENGINEER KW
PROJECT MANAGER AB,RJ
DRAWN AS

ONE LINE
 DIAGRAM

E-4.0
 2208

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, LAMP, MANUFACTURER CATALOG, DESCRIPTION. Lists various lighting fixtures including pendant, wall-mounted, and ceiling-mounted models.

LIGHTING CONTROL PANEL SCHEDULE ("LVR")

Table with columns: CIRCUIT, SWITCH, RELAY, CONTROL. Lists control panel schedules for various circuits like A-25a, A-27b, etc.

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, LAMP, MANUFACTURER CATALOG, DESCRIPTION. Lists various lighting fixtures including wall-mounted, ceiling-mounted, and emergency models.

MECHANICAL/PLUMBING CONNECTION SCHEDULE

Table with columns: UNIT, LOCATION, KW/KVA, HP, MOC, MCA, VOLTS, PH, PANEL, CIRCUIT, CIRCUIT SIZE, CU/AL, CONTROL, DUCT DETECTOR, COMMENT. Lists mechanical and plumbing connections for various rooms.

MAIN DISTRIBUTION PANEL DP LOCATION ELEC ROOM VOLTS AMPS 1000 /120 3 PHASE, 4 WIRE, WYE

Table with columns: MOUNTING AIC, SURFACE, TRANSFORMER, SERVICE ENTRANCE, LOAD KVA, CCT NO., BRKR, DESCRIPTION, LOAD KVA. Lists electrical loads for the main distribution panel.

Table with columns: LIGHTS, RECEPTACLES, HEATING, LARGEST MOTOR, OTHER MOTORS, MISCELLANEOUS, KITCH. APPLIANCES. Lists electrical loads for various building systems.

PANEL A LOCATION MOUNTING AIC FED FROM PANEL DP 2 SECTION ELEC ROOM SURFACE 22,000 GROUND BUS PROVIDE SURGE PROTECTOR

Table with columns: CCT NO., BRKR, DESCRIPTION, LOAD KVA, CCT NO., BRKR, DESCRIPTION, LOAD KVA. Lists electrical loads for Panel A.

Table with columns: LIGHTS, RECEPTACLES, HEATING, LARGEST MOTOR, OTHER MOTORS, MISCELLANEOUS, KITCH. APPLIANCES. Lists electrical loads for various building systems.

PANEL B LOCATION MOUNTING AIC FED FROM PANEL DP 2 SECTION ELEC ROOM SURFACE 22,000 GROUND BUS PROVIDE SURGE PROTECTOR

Table with columns: CCT NO., BRKR, DESCRIPTION, LOAD KVA, CCT NO., BRKR, DESCRIPTION, LOAD KVA. Lists electrical loads for Panel B.

Table with columns: LIGHTS, RECEPTACLES, HEATING, LARGEST MOTOR, OTHER MOTORS, MISCELLANEOUS, KITCH. APPLIANCES. Lists electrical loads for various building systems.

SECTION TOTAL 13.28

Table with columns: CONNECTED LOAD, DEMAND FACTOR, DEMAND LOAD, AMPS. Lists electrical load summary for the main distribution panel.



Travis Fitzmaurice Wartelle Balange Engineers Inc. 1201 Westside Park, N. 4501 Seattle, WA 98109



RAY WILLIAMSON POOL IMPROVEMENTS 8521 MADISON AVENUE N BAINBRIDGE ISLAND, WA 98110

BID SET PHASE 1 04-05-24

Table with columns: #, REVISIONS, DATE. Lists revision history.

PROJECT ENGINEER KW PROJECT MANAGER AB,RJ DRAWN AS

SCHEDULES

E-5.0 2208

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RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

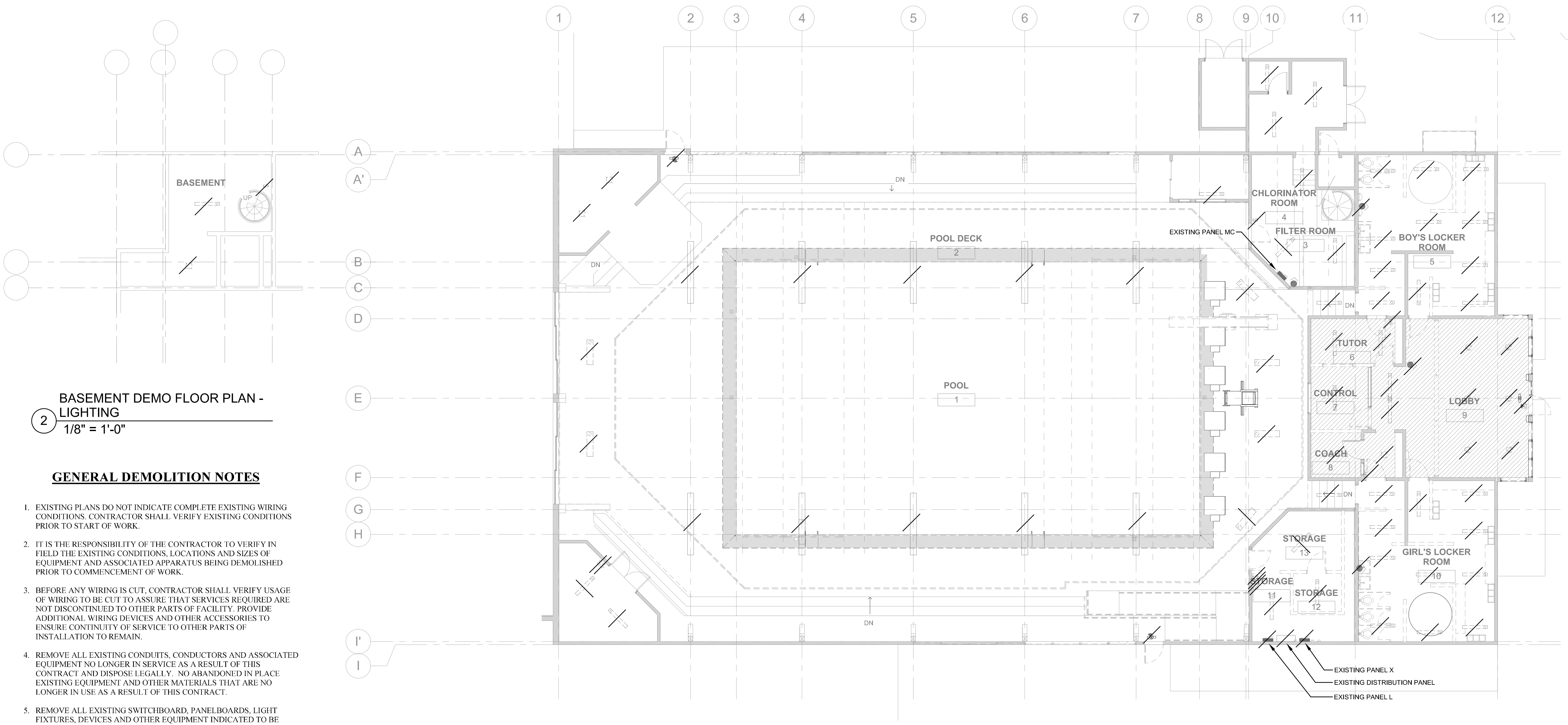
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REVISIONS	
#	DATE

PROJECT ENGINEER	KW
PROJECT MANAGER	AB,RJ
DRAWN	AS

DEMO FLOOR PLAN - LIGHTING

ED-2.1
 2208



2 BASEMENT DEMO FLOOR PLAN - LIGHTING
 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- EXISTING PLANS DO NOT INDICATE COMPLETE EXISTING WIRING CONDITIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN FIELD THE EXISTING CONDITIONS, LOCATIONS AND SIZES OF EQUIPMENT AND ASSOCIATED APPARATUS BEING DEMOLISHED PRIOR TO COMMENCEMENT OF WORK.
- BEFORE ANY WIRING IS CUT, CONTRACTOR SHALL VERIFY USAGE OF WIRING TO BE CUT TO ASSURE THAT SERVICES REQUIRED ARE NOT DISCONTINUED TO OTHER PARTS OF FACILITY. PROVIDE ADDITIONAL WIRING DEVICES AND OTHER ACCESSORIES TO ENSURE CONTINUITY OF SERVICE TO OTHER PARTS OF INSTALLATION TO REMAIN.
- REMOVE ALL EXISTING CONDUITS, CONDUCTORS AND ASSOCIATED EQUIPMENT NO LONGER IN SERVICE AS A RESULT OF THIS CONTRACT AND DISPOSE LEGALLY. NO ABANDONED IN PLACE EXISTING EQUIPMENT AND OTHER MATERIALS THAT ARE NO LONGER IN USE AS A RESULT OF THIS CONTRACT.
- REMOVE ALL EXISTING SWITCHBOARD, PANELBOARDS, LIGHT FIXTURES, DEVICES AND OTHER EQUIPMENT INDICATED TO BE REMOVED OR NO LONGER REQUIRED. PROVIDE COVER PLATE FOR BLANK OUTLETS AND JUNCTION BOXES. PLUG ALL HOLES IN BOXES AND CABINETS.
- DELIVER ALL SALVAGEABLE MATERIAL AS DETERMINED BY OWNER. AT NO ADDITIONAL COST TO OWNER, PACK MATERIAL IN BOXES, COIL ALL CABLES AND TIE. CONTRACTOR TO DISPOSE ALL MATERIALS NO LONGER REQUIRED.

1 DEMO FLOOR PLAN - LIGHTING
 1/8" = 1'-0"

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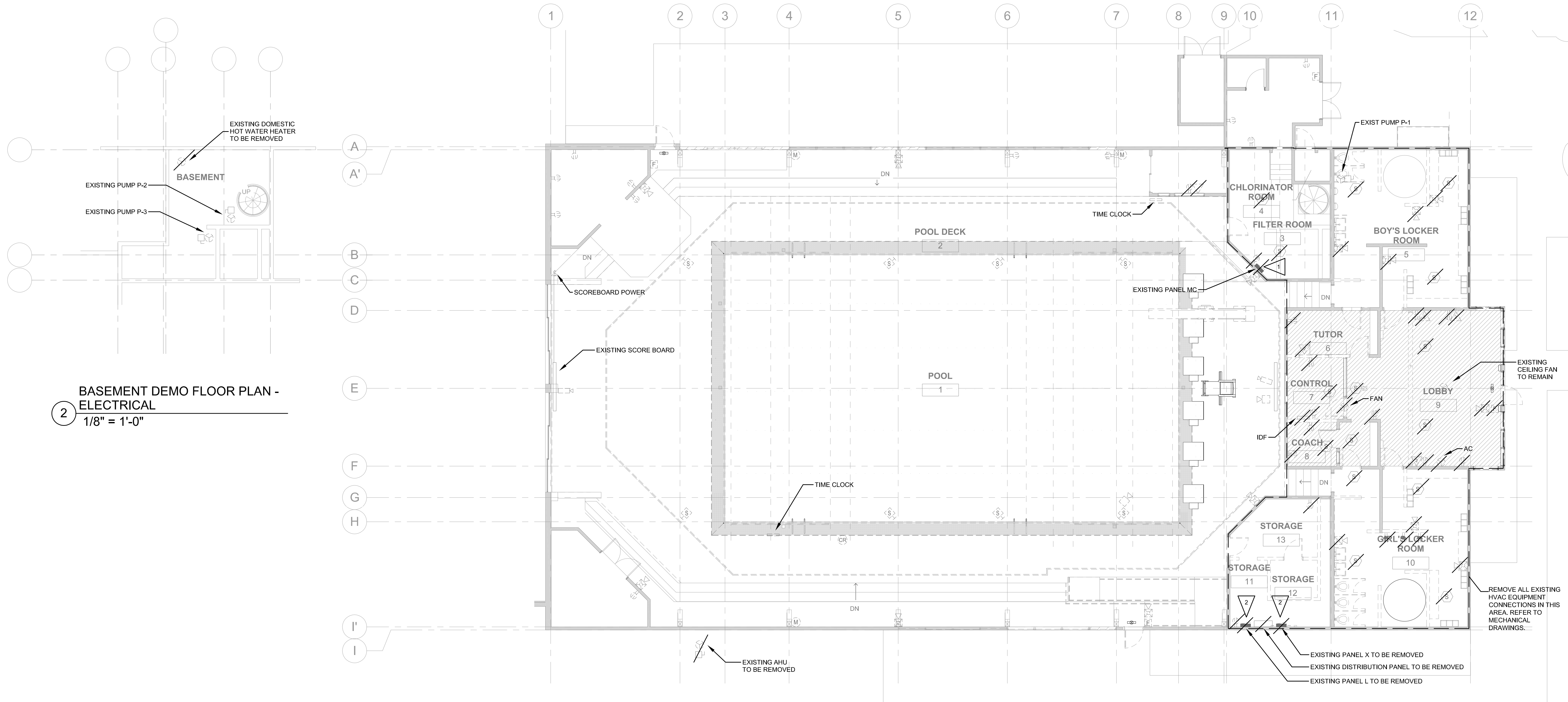


SHEET NOTES:

- DISCONNECT AND REMOVE ALL EXISTING CEILING MOUNTED FIRE ALARM DEVICES AND OTHER ELECTRICAL EQUIPMENT AS NEEDED TO FACILITATE CEILING DEMOLITION WORK. RE-INSTALL TO THE NEW CEILING AND RECONNECT TO EXISTING CIRCUITRY. REFER TO SHEET E3.1.

FLAG NOTES:

- INTERCEPT ALL EXISTING CIRCUITS TO REMAIN AND RECONNECT TO NEW PANEL B. REFER TO PANEL B SCHEDULE.
- INTERCEPT ALL EXISTING CIRCUITS TO REMAIN AND RECONNECT TO NEW PANEL A. REFER TO PANEL A SCHEDULE.



2 BASEMENT DEMO FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"

1 DEMO FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"

RAY WILLIAMSON POOL IMPROVEMENTS

8521 MADISON AVENUE N
 BAINBRIDGE ISLAND, WA 98110

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PROJECT ENGINEER KW
 PROJECT MANAGER AB,RJ
 DRAWN AS

DEMO FLOOR PLAN - ELECTRICAL

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