

- GENERAL
- ALL WORK AND MATERIALS SHALL CONFORM TO THE REFERENCED BUILDING CODE.
 - CONTRACT DOCUMENTS INCLUDE THE DESIGN DRAWINGS, SPECIFICATIONS, AND REFERENCED GEOTECHNICAL REPORT (IF PERFORMED).
 - THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, CIVIL, AND MEP CONTRACT DOCUMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
 - REPRODUCTION OF CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS IS NOT PERMITTED.
 - THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ARCHITECT OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL COORDINATE THE SIZES, WEIGHTS, AND LOCATIONS OF ALL EQUIPMENT SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ACTUAL EQUIPMENT SELECTED.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, SEQUENCES, AND CONSTRUCTION PROCEDURES.
 - THE STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF ALL TEMPORARY BRACING AND SHORING.
 - THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL OSHA REGULATIONS.
 - THE CONTRACTOR SHALL REVIEW, SIGN, AND STAMP ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.
 - IN CASES OF A CONFLICT BETWEEN DESIGN DRAWINGS AND/OR SPECIFICATIONS AND OTHER DISCIPLINES, THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL BEFORE PROCEEDING.
 - APPLY DETAILS, NOTES, AND SECTIONS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY THAT DETAIL, NOTE, OR SECTION.
 - CONTRACTOR SHALL ALLOW FOR ADEQUATE REVIEW PERIOD FOR ALL SUBMITTALS AND REQUESTS FOR INFORMATION (RFI) THAT REQUIRE REVIEW FROM THE STRUCTURAL ENGINEER OF RECORD.
 - CONTRACTOR SHALL INCLUDE THE FOLLOWING MATERIAL QUANTITIES IN THE BASE BID TO BE FABRICATED AND INSTALLED AS DIRECTED BY THE STRUCTURAL ENGINEER OF RECORD. ANY UNUSED QUANTITIES SHALL BE DEDUCTED FROM THE BASE BID AT THE UNIT PRICES QUOTED IN THE BID FORM.

CONCRETE:	$f'_c = 3,000$ PSI $f'_c = 4,000$ PSI	10 CUBIC YARDS 10 CUBIC YARDS
REINFORCEMENT:	MILD STEEL	1 TONS
MAIN FRAME STRUCTURAL STEEL:		1 TONS
MISCELLANEOUS STEEL:		1 TONS

DESIGN CRITERIA INFORMATION

- ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE.
- DESIGN LIVE LOAD CRITERIA (REDUCED IN ACCORDANCE WITH THE REFERENCED BUILDING CODE):

FLOORS:

ATTIC LEVEL 30 PSF (REDUCIBLE)

STAIRS AND EXITS 100 PSF (REDUCIBLE)

ROOFS:

ORDINARY FLAT, PITCHED OR CURVED 20 PSF (REDUCIBLE)

HANDRAILS: (APPLIED AT ANY POINT AND IN ANY DIRECTION)
1, 200 LBS CONCENTRATED
2, 50 PLF
NOTE: LOADS 1 AND 2 ARE NOT APPLIED SIMULTANEOUSLY

GUARDRAIL SYSTEMS: (APPLIED TO TOP RAIL AT ANY POINT AND IN ANY DIRECTION)
1, 200 LBS CONCENTRATED
2, 50 PLF HORIZONTAL LOAD WITH 100 PLF VERTICAL LOAD
NOTE: LOADS 1 AND 2 ARE NOT APPLIED SIMULTANEOUSLY
- DESIGN SNOW LOAD CRITERIA:

GROUND SNOW LOAD, P_g 10 PSF
- DESIGN WIND LOAD CRITERIA:

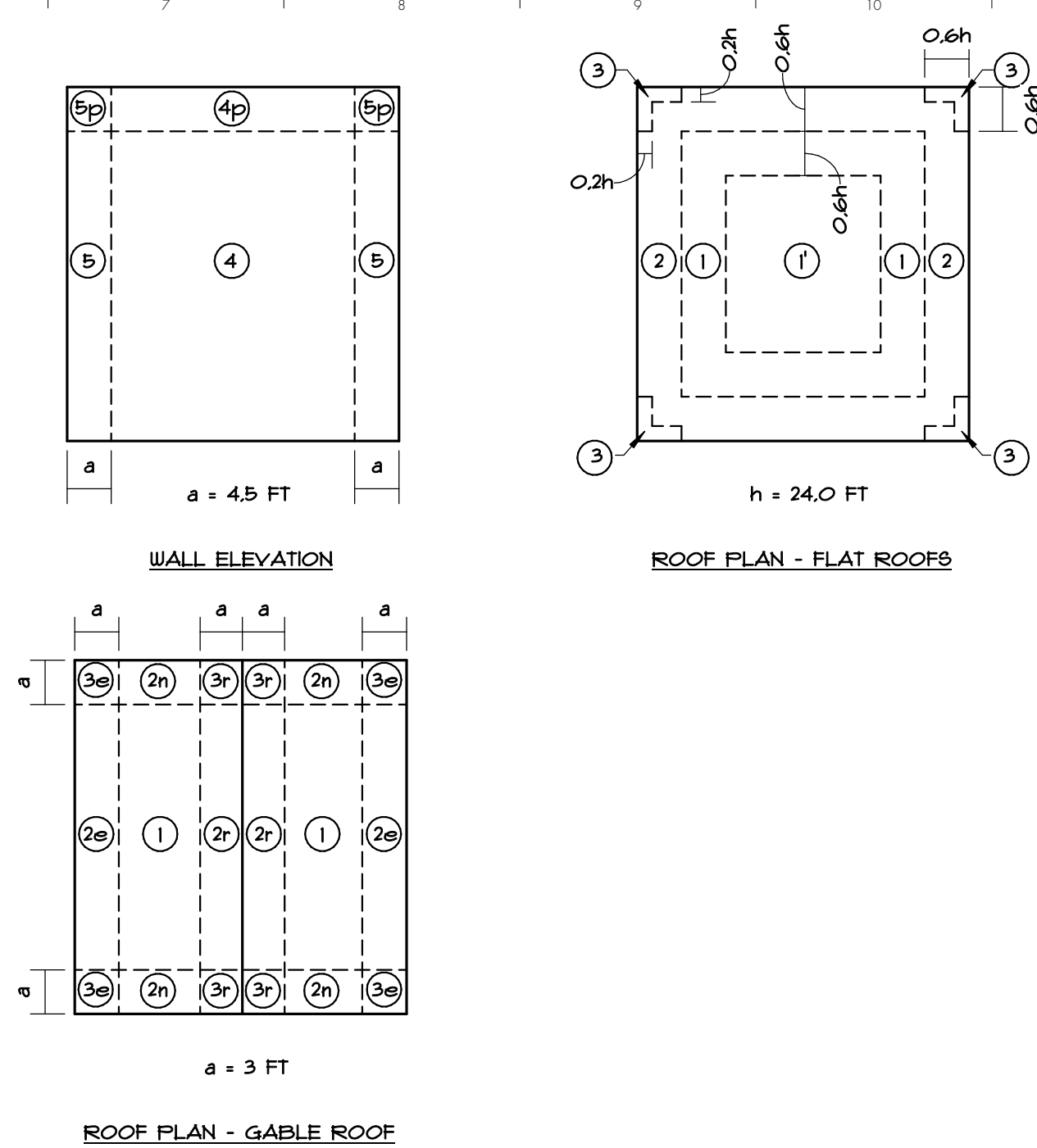
BASIC DESIGN WIND SPEED, V III MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd} 86 MPH
RISK CATEGORY III
EXPOSURE B
INTERNAL PRESSURE COEFFICIENT, G_{CPI} +/- 0.18

COMPONENTS AND CLADDING WIND PRESSURES (ENCLOSED BUILDING) - GABLE ROOF AREAS				
ROOF	TRIBUTARY AREA:	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)
	<10 FT ²	18.5 / -34.0	18.5 / -37.4	18.5 / -45.9
	25 FT ²	16.0 / -27.2	16.0 / -32.4	16.0 / -39.0
	50 FT ²	16.0 / -22.0	16.0 / -28.2	16.0 / -33.8
	>100 FT ²	16.0 / -16.8	16.0 / -24.2	16.0 / -28.8
WALLS	TRIBUTARY AREA:	ZONE 4 (PSF)	ZONE 5 (PSF)	
	<10 FT ²	20.3 / -22.0	20.3 / -27.1	
	25 FT ²	18.1 / -19.9	18.1 / -22.9	
	50 FT ²	16.3 / -18.0	16.3 / -19.2	
	>100 FT ²	16.0 / -16.8	16.0 / -16.8	

NOTE: THE PROVIDED WIND PRESSURES ARE ULTIMATE. MULTIPLY BY 0.6 TO OBTAIN SERVICE WIND PRESSURES.

COMPONENTS AND CLADDING WIND PRESSURES (ENCLOSED BUILDING) - FLAT ROOF AREAS			
ROOF	TRIBUTARY AREA:	ZONE 1 (PSF)	ZONE 2 (PSF)
	<10 FT ²	16.0 / -32.1	16.0 / -42.4
	25 FT ²	16.0 / -29.3	16.0 / -38.8
	50 FT ²	16.0 / -27.2	16.0 / -36.1
	>100 FT ²	16.0 / -25.1	16.0 / -33.7
WALLS	TRIBUTARY AREA:	ZONE 4 (PSF)	ZONE 5 (PSF)
	<10 FT ²	20.3 / -22.0	20.3 / -27.1
	25 FT ²	18.1 / -19.9	18.1 / -22.9
	50 FT ²	16.3 / -18.0	16.3 / -19.2
	>100 FT ²	16.0 / -16.8	16.0 / -16.8

NOTE: THE PROVIDED WIND PRESSURES ARE ULTIMATE. MULTIPLY BY 0.6 TO OBTAIN SERVICE WIND PRESSURES.



- DESIGN SEISMIC LOAD CRITERIA:

RISK CATEGORY III
IMPORTANCE FACTOR, I_e 1.25
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
SHORT PERIODS, S_s 0.246
1 SECOND PERIOD, S_1 0.184
SITE CLASS D(ASSUMED)
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
SHORT PERIODS, S_{DS} 0.263
1 SECOND PERIOD, S_{D1} 0.184
SEISMIC DESIGN CATEGORY C

SEISMIC FORCE-RESISTING SYSTEM:
LIGHT-FRAME WOOD WALLS w/ SHEAR PANELS OF OTHER MATERIALS
SEISMIC BASE SHEAR, V 10.7 KIPS
SEISMIC RESPONSE COEFFICIENT, C_s 0.164
RESPONSE MODIFICATION FACTOR, R 2
ANALYSIS PROCEDURE ELF
- DESIGN RAIN LOAD CRITERIA:

SPECIAL INSPECTIONS AND TESTING
- THE OWNER SHALL EMPLOY AN AGENCY, ACCEPTABLE TO THE BUILDING OFFICIAL, TO PERFORM SPECIAL INSPECTIONS AND TESTING AS REQUIRED BY THE REFERENCED BUILDING CODE. THE APPROVED AGENCY SHALL BE QUALIFIED, OBJECTIVE, COMPETENT, AND INDEPENDENT FROM THE CONTRACTOR RESPONSIBLE FOR THE WORK BEING INSPECTED.
- THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF INSPECTIONS AND PROVIDE THEM TO THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD. THE REPORTS SHALL INDICATE IF THE WORK INSPECTED WAS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR. IF THEY ARE NOT CORRECTED THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
- THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT DOCUMENTING THE SPECIAL INSPECTIONS AND CORRECTION OF DISCREPANCIES TO THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
- SPECIAL INSPECTIONS SHALL BE PERFORMED AS OUTLINED IN THE TABLES ON SHEET 80.03.

FOUNDATION NOTES

- A GEOTECHNICAL REPORT HAS NOT BEEN PERFORMED FOR THE PROJECT LOCATION. THE FOUNDATION DESIGN IS BASED ON THE ASSUMED VALUES PROVIDED BELOW. ALL FOUNDATIONS SHALL BEAR ON EXCAVATIONS THAT HAVE BEEN INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE PROJECT STATE FOR THE ASSUMED VALUES BELOW.
- THE FOUNDATIONS HAVE BEEN DESIGNED FOR AN ASSUMED ALLOWABLE NET BEARING PRESSURE OF 2,500 PSF.
- WALLS RETAINING FILL HAVE BEEN DESIGNED FOR LATERAL PRESSURES OR COEFFICIENTS FROM THE FOLLOWING EQUIVALENT FLUID DENSITIES:

ACTIVE PRESSURE (FREE WALLS) 45 PCF (ASSUMED)
AT REST PRESSURE (RESTRAINED WALLS) 60 PCF (ASSUMED)
PASSIVE PRESSURE 250 PCF (ASSUMED)
COEFFICIENT OF FRICTION (SLIDING) 0.30 (ASSUMED)
- WHERE FOOTINGS STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL EXCEPT AS SHOWN ON THE CONTRACT DOCUMENTS.
- THE BOTTOM OF ALL EXTERIOR FOUNDATIONS SHALL BE 8 INCHES MINIMUM BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
- THE SLAB-ON-GRADE SHALL BE SUPPORTED ON A MINIMUM OF 4" OF CLEAN, CRUSHED, COMPACTED GRAVEL WITH A MINIMUM SUBGRADE MODULUS OF 125 PCI.
- RETAINING AND BASEMENT WALLS SHALL BE BACKFILLED WITH FREE-DRAINING GRANULAR MATERIAL. THE BACKFILLED MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION. PROPER DRAINAGE BEHIND THE WALLS SHALL BE PROVIDED BY THE CONTRACTOR.
- NO BACKFILL SHALL BE PLACED BEHIND THE RETAINING AND BASEMENT WALLS UNTIL THE WALLS AND FOUNDATIONS HAVE REACHED THEIR DESIGN STRENGTH. ALL OF THE LATERAL SUPPORT ELEMENTS FOR THE WALLS SHALL BE INSTALLED PRIOR TO THE BACKFILL PLACEMENT.

- MISCELLANEOUS
- SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR LOCATION OF ALL MISCELLANEOUS ITEMS (SUCH AS OPENINGS, HOLES, INSERTS, ETC.) AFFECTING STRUCTURAL WORK. ALL OPENINGS OR HOLES IN STRUCTURAL MEMBERS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
 - POST-INSTALLED ANCHORS SHALL NOT BE SUBSTITUTED FOR CAST-IN-PLACE ANCHORS OR EMBEDMENTS WITHOUT REVIEW FROM THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
 - WHERE NOT SPECIFICALLY NOTED, THE CONTRACTOR SHALL USE ONE OF THE ANCHORS PROVIDED IN THE TABLE BELOW FOR THE APPROPRIATE ANCHORING CONDITION.
 - WHERE EMBEDMENT LENGTH IS NOT SPECIFICALLY PROVIDED, THE CONTRACTOR SHALL PROVIDE THE STANDARD EMBEDMENT LENGTH PER THE MANUFACTURER'S CRITERIA.
 - POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PREPARATION AND INSTALLATION REQUIREMENTS.
 - EPOXY ANCHORS INSTALLED IN MASONRY SHALL BE INSTALLED INTO CELLS THAT HAVE BEEN GROUTED SOLID.

POST-INSTALLED ANCHOR SCHEDULE		
ANCHOR TYPE	BASE MATERIAL	
	CONCRETE	CONCRETE MASONRY
SCREW	HILTI KWIK HUS-EZ SIMPSON TITEN HD DEWALT SCREW-BOLT+	HILTI KWIK HUS-EZ SIMPSON TITEN HD DEWALT SCREW-BOLT+
EXPANSION	HILTI KWIK BOLT TZ2 SIMPSON STRONG-BOLT 2 DEWALT POWER-STUD+ SD2	HILTI KWIK BOLT TZ2 SIMPSON STRONG-BOLT 2 DEWALT POWER-STUD+ SD2
EPOXY/ADHESIVE	HILTI HIT-HY200 SIMPSON SET-3G DEWALT PURE-100+	HILTI HIT-HY200 SIMPSON SET-XP DEWALT AC108+ GOLD

POST-INSTALLED FASTENER SCHEDULE		
FASTENER TYPE	BASE MATERIAL	
	CONCRETE	STEEL
POWDER-ACTUATED FASTENER (PAF)	HILTI X-U SIMPSON PDPA DEWALT C81	HILTI X-U SIMPSON PDPA DEWALT C81
GAS ACTUATED FASTENER (GAF)	HILTI X-GN SIMPSON GDP DEWALT TRAK-IT C5	HILTI X-GN SIMPSON GDP DEWALT TRAK-IT C5

WOOD

- ALL WOOD CONSTRUCTION SHALL CONFORM TO THE AISI/AWC, "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION".
- WOOD FRAMING SHALL MEET THE FOLLOWING SPECIFICATIONS, UNLESS NOTED OTHERWISE:

ROOF SHEATHING: APA RATED EXPOSURE 1, UNLESS NOTED OTHERWISE

FLOOR SHEATHING: APA RATED EXPOSURE 1, UNLESS NOTED OTHERWISE

WALL SHEATHING: APA RATED EXPOSURE 1, UNLESS NOTED OTHERWISE

ROOF FRAMING: No.2 SOUTHERN PINE, UNLESS NOTED OTHERWISE

FLOOR FRAMING: No.2 SOUTHERN PINE, UNLESS NOTED OTHERWISE

LOAD-BEARING WALL STUDS: No.2 SOUTHERN PINE, UNLESS NOTED OTHERWISE

FRAMING LUMBER GRADE: No. 2 SOUTHERN PINE, UNLESS NOTED OTHERWISE

LAMINATED VENEER LUMBER (LVL) FRAMING: 2.0E, $F_b = 2,950$ PSI MINIMUM

LAMINATED STRAND LUMBER (LSL) FRAMING: 1.3E, $F_{cl} = 2,170$ PSI MINIMUM
- PROVIDE 2x SOLID BLOCKING BETWEEN EACH WALL STUD IN ALL LOAD-BEARING WALLS AT 48" O.C. MAXIMUM SPACING. ALIGN BLOCKING WITH WALL SHEATHING JOINTS.
- SILL PLATES, EXTERIOR EXPOSED WOOD, AND ANY WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED WOOD.
- FOUNDATION SILL PLATES SHALL BE BOLTED TO THE FOUNDATION WITH 1/2-INCH DIAMETER A307 BOLTS EMBEDDED AT LEAST 7" AND SPACED NOT MORE THAN 48 INCHES APART. CONNECT EACH PIECE WITH ONE BOLT LOCATED WITHIN 12 INCHES OF EACH END AND A MINIMUM OF TWO BOLTS PER PIECE.
- AT CONCRETE PODIUM SLABS THE SILL PLATE SHALL BE BOLTED TO THE SLAB WITH 1/2-INCH DIAMETER POST-INSTALLED SCREW ANCHORS EMBEDDED AT LEAST 4 INCHES IN THE SLAB AND SPACED AT NOT MORE THAN 32 INCHES APART. CONNECT EACH PIECE WITH ONE BOLT LOCATED WITHIN 12 INCHES OF EACH END AND A MINIMUM OF TWO BOLTS PER PIECE. ALL FASTENERS IN CONTACT w/ PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED. CONTRACTOR SHALL COORDINATE INSTALLATION OF POST-INSTALLED ANCHORS WITH SLAB REINFORCING OR POST-TENSIONING. NO POST-TENSIONING OR STEEL REINFORCEMENT SHALL BE DAMAGED BY POST-INSTALLED ANCHORS.
- FLOOR AND ROOF SHEATHING SHALL BE INSTALLED WITH THE LONG EDGE ACROSS AT LEAST THREE SUPPORTING MEMBERS. SUPPORT ALL EDGES. PANEL EDGES SHALL BE STAGGERED ALONG SUPPORTING MEMBERS.
- ALL FASTENING SHALL BE IN ACCORDANCE WITH THE FASTENING SCHEDULE TABLE IN SECTION 2304 OF THE REFERENCED INTERNATIONAL BUILDING CODE, I.B.C.

STAIRS AND HANDRAILS

- CONTRACTOR SHALL DESIGN ALL STAIR FRAMING, HANDRAILS, AND CONNECTIONS FOR ALL STAIRS NOT SPECIFICALLY AND COMPLETELY DETAILED IN THE STRUCTURAL DOCUMENTS.
- CALCULATIONS FOR THE STAIR FRAMING, HANDRAILS, AND CONNECTIONS SHALL BE STAMPED BY AN ENGINEER REGISTERED IN THE PROJECT STATE. CALCULATIONS AND A LETTER FROM THE STAIR DESIGN ENGINEER STATING THAT THE STAIR FRAMING, HANDRAILS, AND CONNECTIONS IN THE SHOP DRAWINGS MATCH THEIR DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO THE SHOP DRAWINGS. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF THE STAIR FRAMING, HANDRAILS, AND CONNECTIONS.

- REINFORCED CONCRETE
- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
 - THE 28-DAY STRENGTH OF CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:

SLAB-ON-GRADE 4,000 PSI
FOOTINGS 3,000 PSI
 - CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO AND REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO CASTING OF ANY CONCRETE.
 - ALL CONCRETE PLACED SHALL BE VIBRATED BY MECHANICAL VIBRATORS.
 - REINFORCING BARS SHALL CONFORM TO ASTM-A615, "SPECIFICATION FOR DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT". THE MINIMUM YIELD STRESS OF REINFORCING BARS SHALL BE 60,000 PSI.
 - WELDED WIRE FABRIC SHALL CONFORM TO ASTM-A185 "SPECIFICATION FOR WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT".
 - COMPLETE SHOP DRAWINGS FOR FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. NO FABRICATION MAY BEGIN UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.
 - LAP SPLICES AND HOOKS FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 318. ALL UNSPECIFIED LAP SPLICES SHALL BE MAXIMUM LENGTH.
 - REINFORCEMENT IN ALL CONCRETE MEMBERS SHALL HAVE THE FOLLOWING CLEAR CONCRETE COVER:

CONCRETE COVER (CAST-IN-PLACE NON-PRESTRESSED CONCRETE)	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 THROUGH #8 BARS	2"
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, JOISTS, AND WALLS	
#4 AND #6 BARS	1 1/2"
#1 BAR AND SMALLER	3/4"
BEAMS, COLUMNS, PEDESTALS, PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	
	1 1/2"

- MEASURE FLOOR AND SLAB FLATNESS AND LEVELNESS IN ACCORDANCE WITH ASTM E1155 WITHIN 72 HOURS OF COMPLETION OF FLOOR FINISHING AND PROMPTLY REPORT THE TEST RESULTS TO THE ARCHITECT.
- CONCRETE SLABS SHALL BE FINISHED TO THE FOLLOWING MINIMUM OVERALL FLOOR FLATNESS AND LEVELNESS NUMBERS:

SLABS-ON-GRADE:
FLOOR FLATNESS (F_f) 35
FLOOR LEVELNESS (F_L) 25
- THE CONTRACTOR SHALL PROVIDE ADEQUATE SUPPORT FOR THE PLACEMENT OF WELDED WIRE REINFORCEMENT IN SLABS. WELDED WIRE REINFORCEMENT SHALL BE PLACED AT A CONSISTENT DEPTH IN THE TOP THIRD OF THE SLAB, UNLESS NOTED OTHERWISE. MINIMUM SIDE AND END LAP ON WELDED WIRE REINFORCEMENT SHALL BE ONE WIRE SPACE. WELDED WIRE REINFORCEMENT SHALL BE PROPERLY CHAIRED ABOVE BOTTOM OF SLAB.
- WELDING OF REINFORCING STEEL IS NOT PERMITTED.
- CHAMFER EXPOSED EDGES OF COLUMNS AND BEAMS 3/4".
- EXTERIOR SLABS-ON-GRADE SHALL BE 4 INCHES THICK ON 4 INCHES OF COMPACTED GRAVEL FILL AND REINFORCED WITH WUF 6x6-W21X22, UNLESS NOTED OTHERWISE. PROVIDE CONTROL JOINTS AT 12'-0" ON-CENTER MAXIMUM IN EACH DIRECTION.
- SAWN CONTROL JOINTS IN SLABS-ON-GRADE SHALL BE ACCOMPLISHED WITHIN 12 HOURS OF SLAB PLACEMENT.
- PLACEMENT OF CONTROL JOINTS ON ELEVATED SLABS IS PROHIBITED.
- USE EXPANSION JOINT MATERIAL BETWEEN ALL EXTERIOR SLABS-ON-GRADE AND THE ADJUTING STRUCTURE EXCEPT AT RETAINING WALLS AND FOUNDATION WALLS.
- CONSTRUCTION JOINTS IN BEAMS, GIRDERS AND SLABS (WHERE USED) SHALL OCCUR AT MIDSPAN AND SHALL BE KEYED. IN ALL CASES, THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. KEYWAYS SHALL BE ONE-THIRD THE DEPTH OF THE MEMBER AND PLACED AT MID-DEPTH.
- PROVIDE VERTICAL CONTROL JOINTS IN FOUNDATION AND RETAINING WALLS. CONTROL JOINTS SHALL NOT BE PLACED MORE THAN 30 FEET APART AND SHALL BE 3/4" V-CHAMFERED ON BOTH SIDES UNLESS NOTED OTHERWISE. DISCONTINUE HORIZONTAL WALL REINFORCING AT CONTROL JOINTS AND PROVIDE DOUELS ACROSS THE JOINT AS NOTED IN THE TYPICAL WALL CONTROL JOINT DETAIL. CONSTRUCTION JOINTS SHALL BE USED AS REQUIRED BY THE CONTRACTOR AND SHALL BE LOCATED AT CONTROL JOINTS. CONSTRUCTION JOINTS SHALL BE KEYED AS SHOWN IN THE TYPICAL WALL CONSTRUCTION JOINT DETAIL.

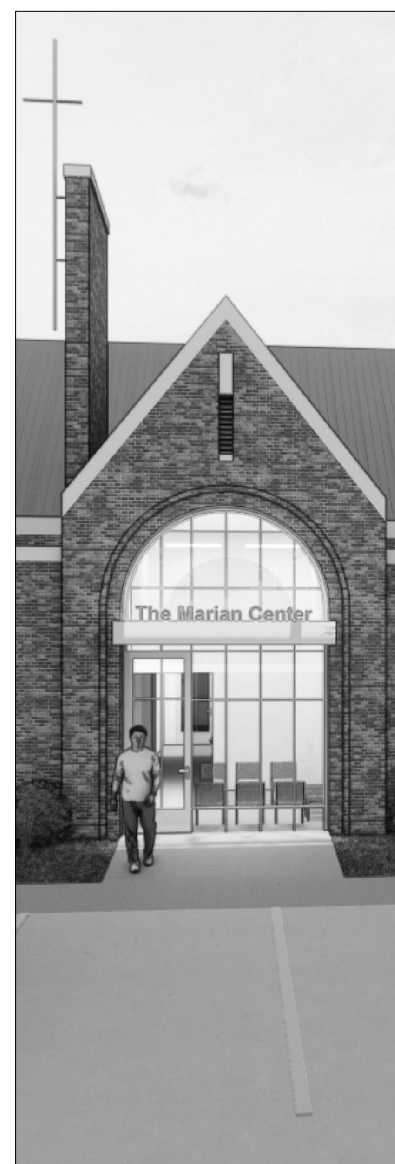
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ST ROSE LIMA
MARIAN CENTER

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REVISION DATE

GENERAL NOTES

S0.01
12 MARCH 2025

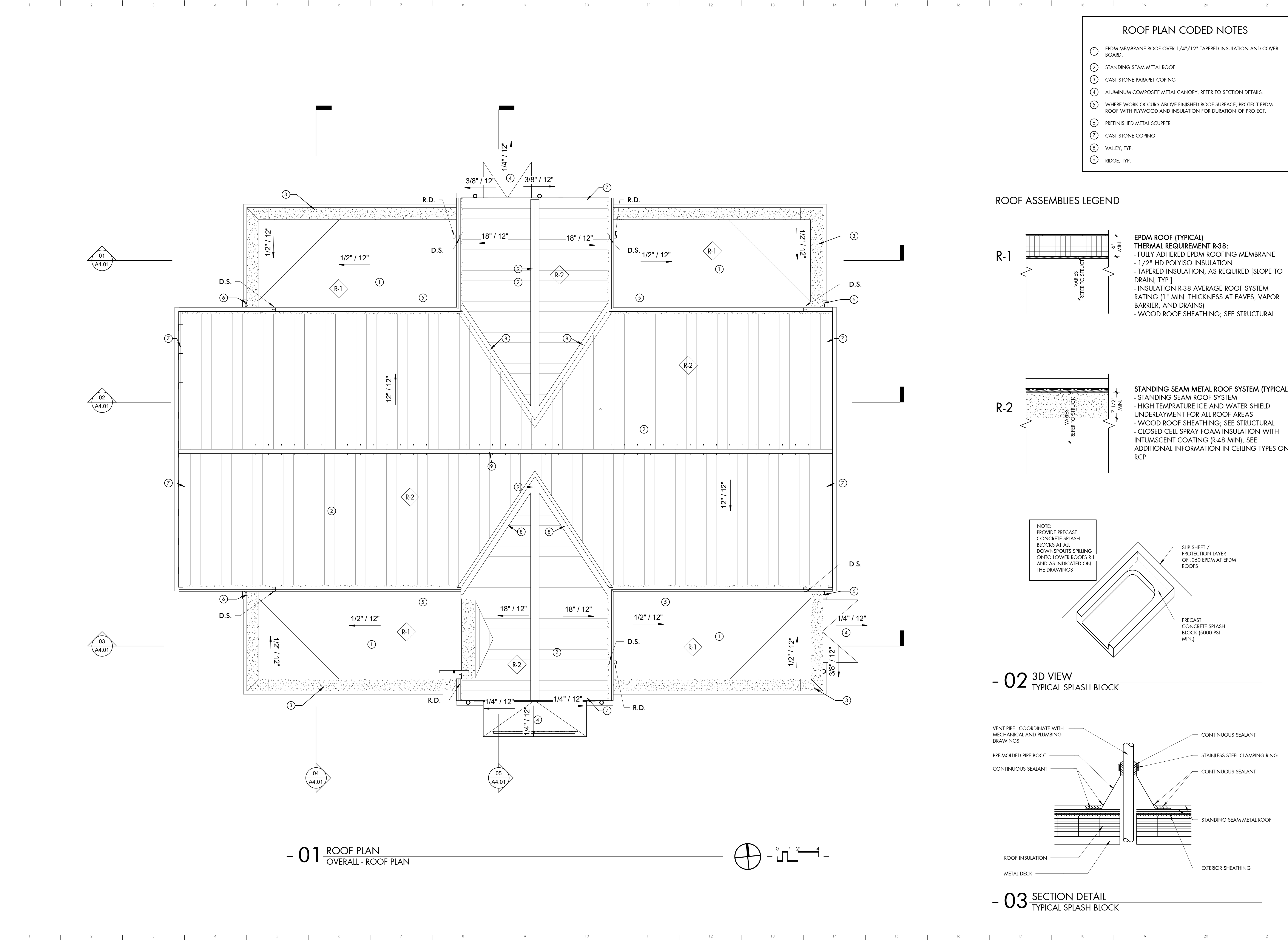
CONSTRUCTION DOCUMENTS

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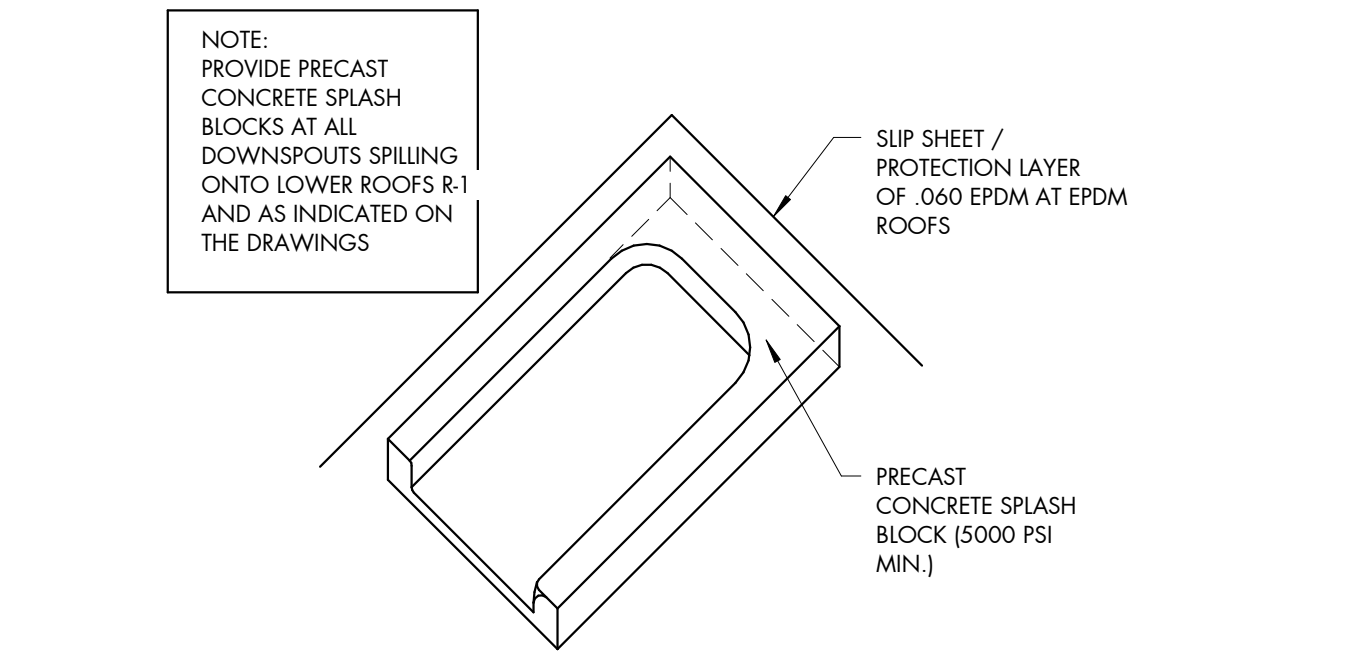
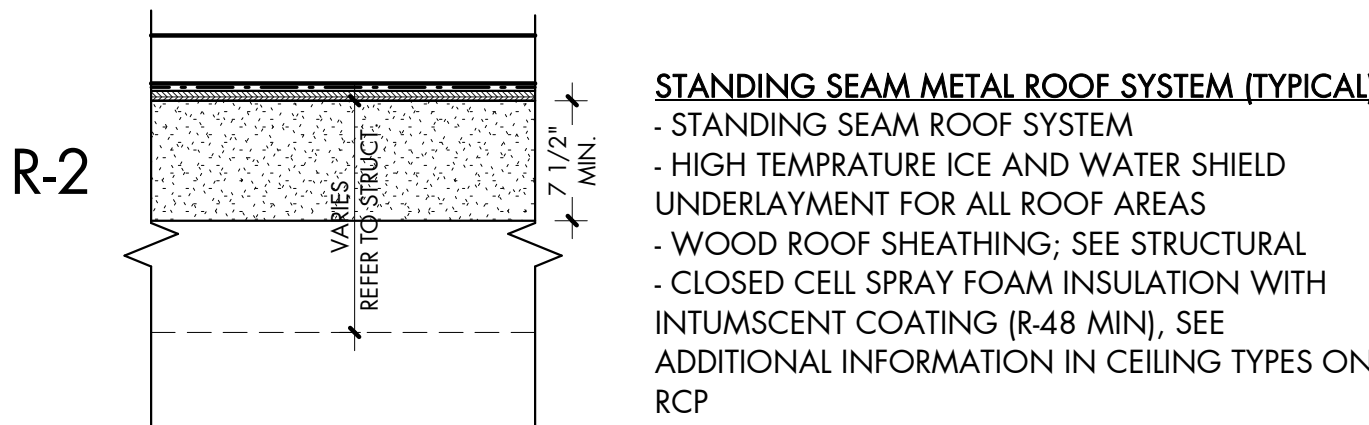
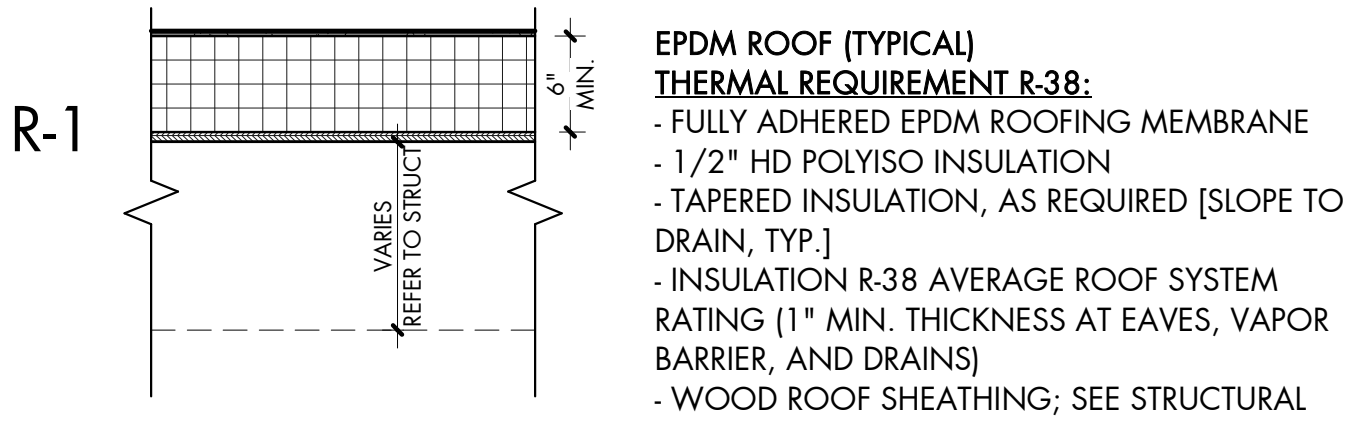
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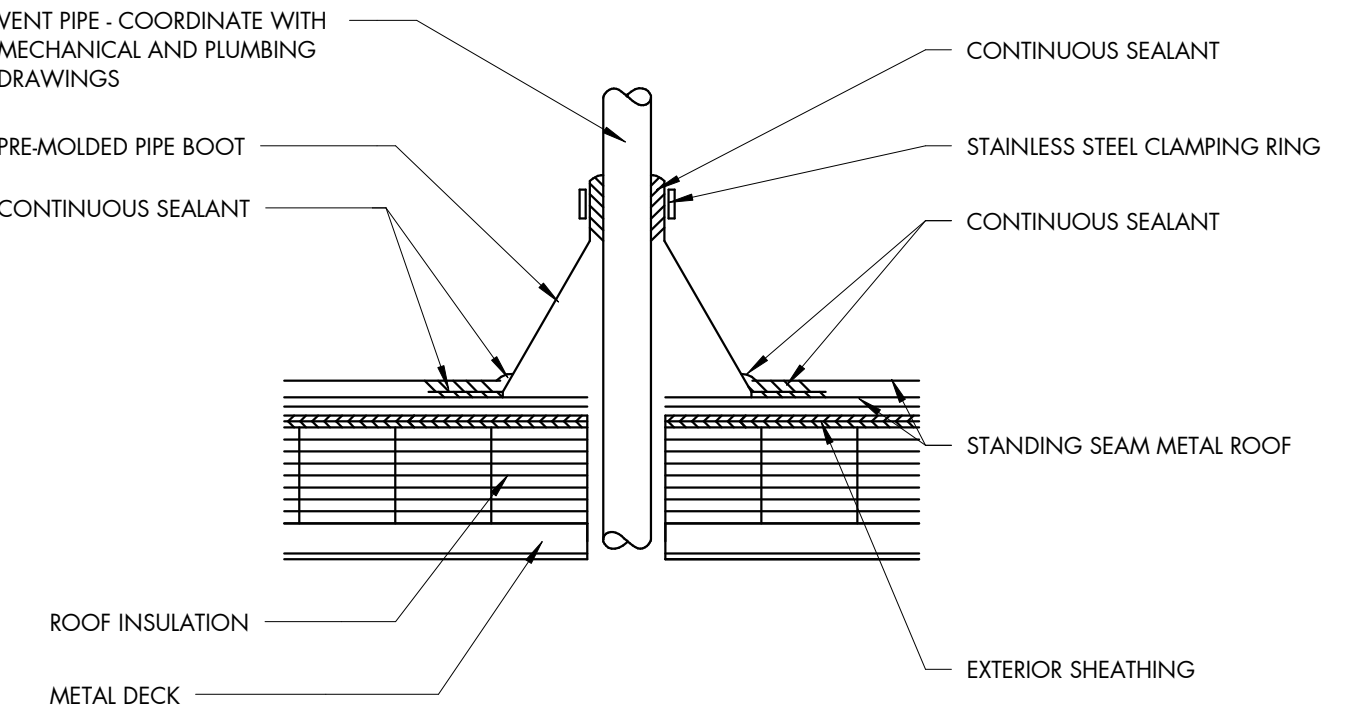


ROOF PLAN CODED NOTES	
①	EPDM MEMBRANE ROOF OVER 1/4"/12" TAPERED INSULATION AND COVER BOARD.
②	STANDING SEAM METAL ROOF
③	CAST STONE PARAPET COPING
④	ALUMINUM COMPOSITE METAL CANOPY, REFER TO SECTION DETAILS.
⑤	WHERE WORK OCCURS ABOVE FINISHED ROOF SURFACE, PROTECT EPDM ROOF WITH PLYWOOD AND INSULATION FOR DURATION OF PROJECT.
⑥	PREFINISHED METAL SCUPPER
⑦	CAST STONE COPING
⑧	VALLEY, TYP.
⑨	RIDGE, TYP.

ROOF ASSEMBLIES LEGEND



02 3D VIEW
TYPICAL SPLASH BLOCK



03 SECTION DETAIL
TYPICAL SPLASH BLOCK

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SAINT ROSE OF LIMA
CATHOLIC CHURCH
MARIAN CENTER

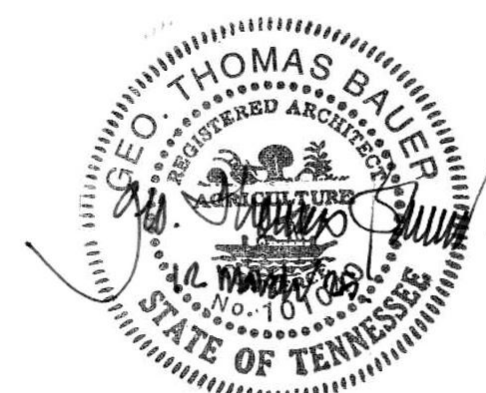
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REVISION DATE

ROOF PLAN

A1.51

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CONSTRUCTION DOCUMENTS
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SAINT ROSE OF LIMA
CATHOLIC CHURCH
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REVISION	DATE
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EXTERIOR ELEVATIONS

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12 MARCH 2025
CONSTRUCTION DOCUMENTS

- ① EXTERIOR BRICK VENEER TO MATCH EXISTING
- ② CAST STONE CORNICE, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
- ③ CAST STONE WINDOW HEAD, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
- ④ CAST STONE WINDOW SILL, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
- ⑤ ALUMINUM STOREFRONT SYSTEM
- ⑥ DOOR, REFER TO DOOR SCHEDULE
- ⑦ MASONRY EXPANSION/CONTROL JOINT
- ⑧ STANDING SEAM METAL ROOF SYSTEM - MATCH STOREFRONT FINISH, PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL
- ⑨ CAST STONE COPING, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
- ⑩ ALUMINUM COMPOSITE METAL CANOPY, REFER TO SECTION DETAILS
- ⑪ PREFINISHED METAL GUTTER, 6" WIDE BY 4.5" DEEP, MATCH CAST STONE COLOR
- ⑫ PREFINISHED METAL DOWNSPOUT, 3" DIAMETER, MATCH CAST STONE COLOR
- ⑬ PREFINISHED METAL SCUPPER, MATCH CAST STONE COLOR
- ⑭ EXTERIOR DECORATIVE METAL LETTERING, MATCH CAST STONE COLOR
- ⑮ METAL LOUVER, BRONZE TO MATCH STOREFRONT
- ⑯ EXTERIOR AIR HANDLING UNIT
- ⑰ METAL DECORATIVE CROSS, BRONZE TO MATCH STOREFRONT
- ⑱ EXTERIOR WALL SCONCE - INDESSA 642-36-LED14-BRONZE-30K
- ⑲ EXTERIOR FLOOD LIGHT - BEACON RATIO WALL RWL1 LED WALLPACK
- ⑳ ALUMINUM COMPOSITE METAL CANOPY TO MATCH STOREFRONT, REFER TO SECTION DETAILS

MATCH FLOOR LEVEL OF THE MARIAN CENTER TO FLOOR LEVEL OF EXISTING SCHOOL

-
⑤
ALUMINUM STOREFRONT WITH CLEAR GLAZING, COORD. GLAZING SCHEDULE
-
①
EXTERIOR BRICK VENEER TO MATCH EXISTING
-
② ③ ④ ⑥
CAST STONE

NOTE: REFER TO WINDOW SCHEDULE FOR MORE INFORMATION

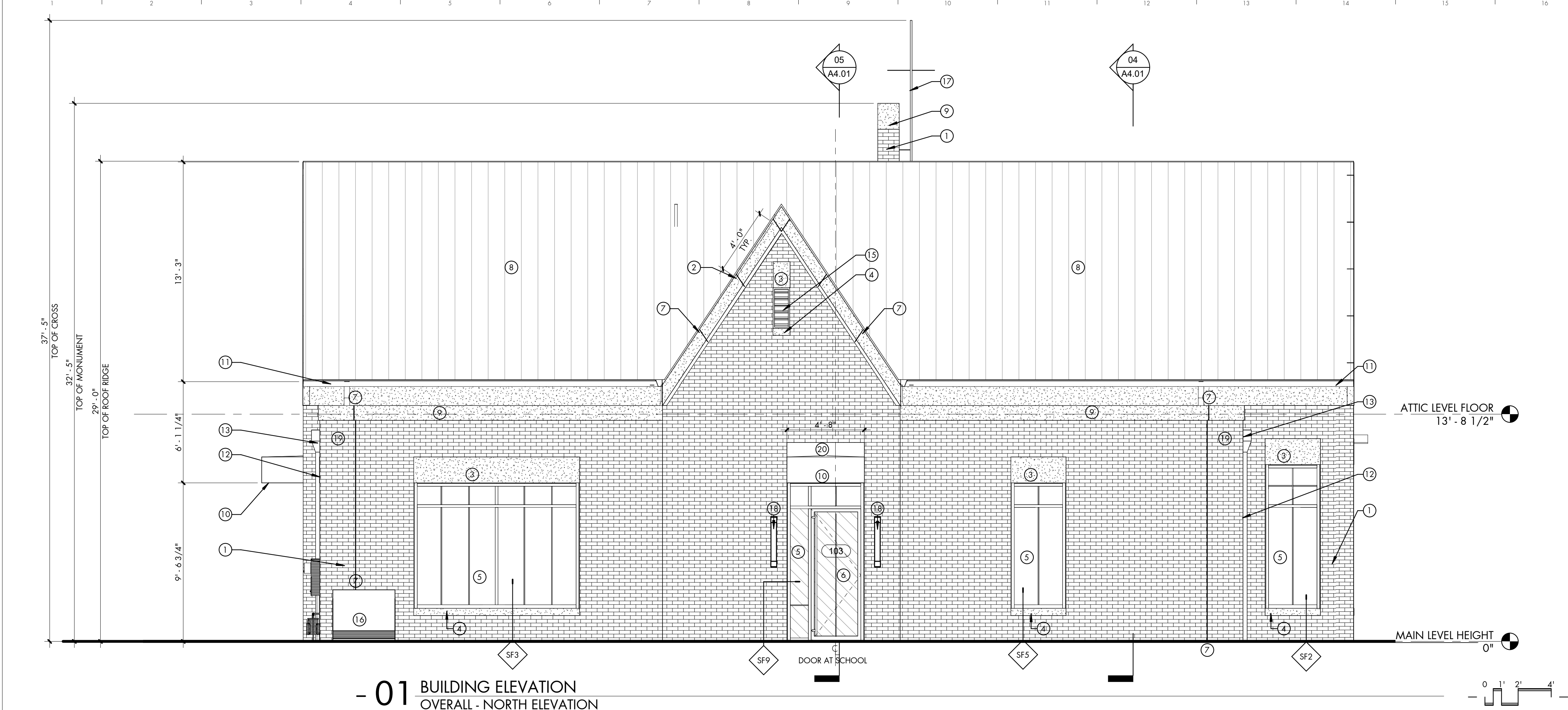
	CLEAR GLAZING, PER SCHEDULE
	TEMPERED GLAZING, PER SCHEDULE
	SPANDREL GLAZING, PER SCHEDULE

MULLION

ZIPPY GRID MUNTIN

EG-1	EXTERIOR 1" G, CLEAR GLASS W/ LOWE COATING
EG-2	EXTERIOR 1" G, CLEAR GLASS W/ LOWE COATING, TEMPERED
EG-3	EXTERIOR 1" G, SPANDREL CLEAR GLASS W/ LOWE COATING, SATIN-ETCHED, BACK PAINTED
IG-1	INTERIOR 1/4" CLEAR GLASS, TEMPERED
IG-2	INTERIOR 1/4" CLEAR GLASS, TEMPERED, FROSTED
IG-3	INTERIOR 1/4" CLEAR GLASS, TEMPERED, FIRE RATED
IG-4	INTERIOR 1/4" CLEAR GLASS, TEMPERED, FIRE RATED, FROSTED

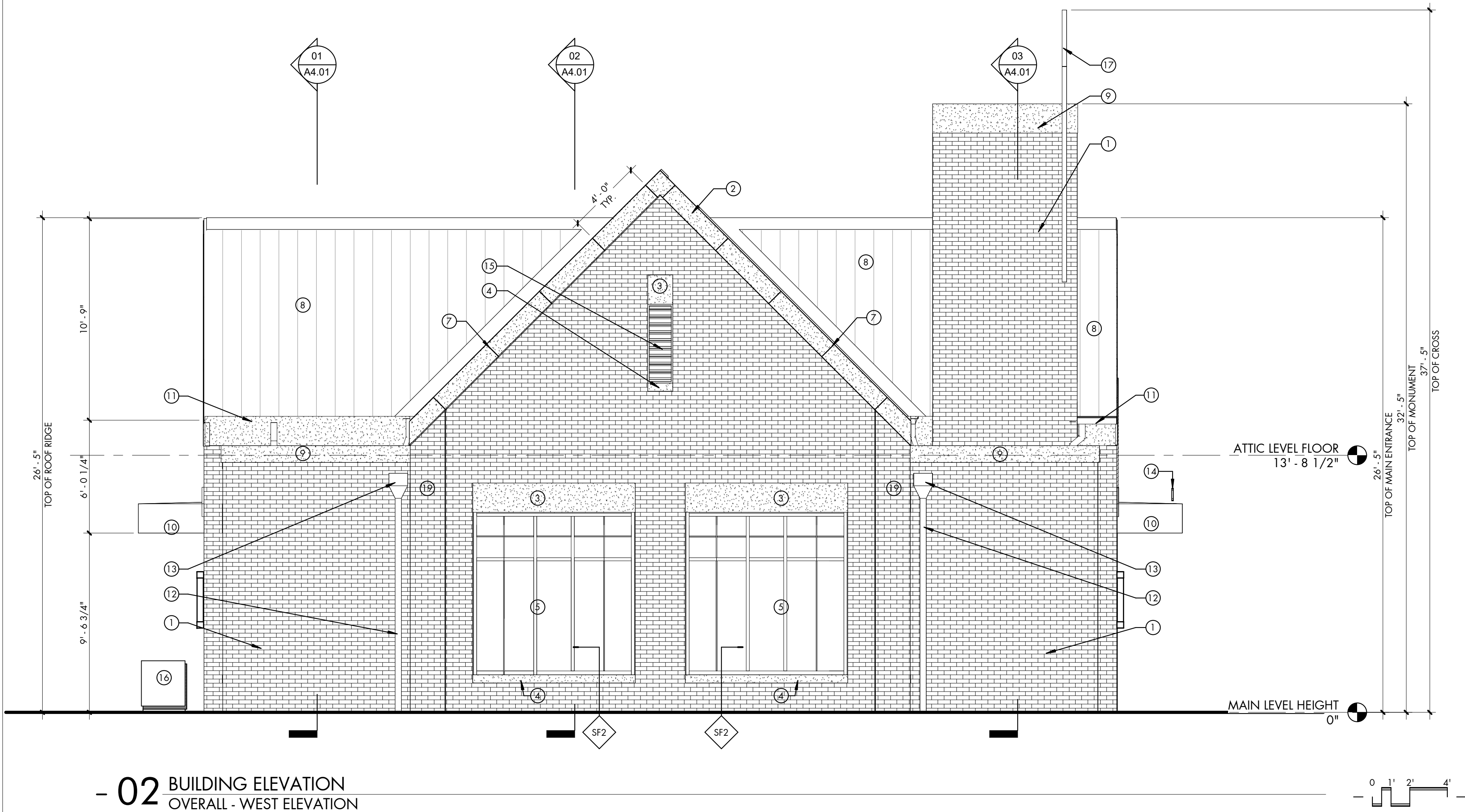
____ MAIN LEVEL HEIGHT



- ### EXTERIOR ELEVATION CODED NOTES
- EXTERIOR BRICK VENEER TO MATCH EXISTING
 - CAST STONE CORNICE, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
 - CAST STONE WINDOW HEAD, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
 - CAST STONE WINDOW SILL, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
 - ALUMINUM STOREFRONT SYSTEM
 - DOOR, REFER TO DOOR SCHEDULE
 - MASONRY EXPANSION/CONTROL JOINT
 - STANDING SEAM METAL ROOF SYSTEM - MATCH STOREFRONT FINISH, PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL
 - CAST STONE COPING, DELTA CAST STONE - NATURAL LIME FINISH, REFER TO SECTION DETAILS
 - ALUMINUM COMPOSITE METAL CANOPY, REFER TO SECTION DETAILS
 - PREFINISHED METAL GUTTER, 6" WIDE BY 4.5" DEEP, MATCH CAST STONE COLOR
 - PREFINISHED METAL DOWNSPOUT, 3" DIAMETER, MATCH CAST STONE COLOR
 - PREFINISHED METAL SCUPPER, MATCH CAST STONE COLOR
 - EXTERIOR DECORATIVE METAL LETTERING, MATCH CAST STONE COLOR
 - METAL LOUVER, BRONZE TO MATCH STOREFRONT
 - EXTERIOR AIR HANDLING UNIT
 - METAL DECORATIVE CROSS, BRONZE TO MATCH STOREFRONT
 - EXTERIOR WALL SCONCE - INDESSA 642-36-LED14-BRONZE-30K
 - EXTERIOR FLOOD LIGHT - BEACON RATIO WALL RWL1 LED WALLPACK
 - ALUMINUM COMPOSITE METAL CANOPY TO MATCH STOREFRONT, REFER TO SECTION DETAILS

GENERAL NOTES

MATCH FLOOR LEVEL OF THE MARIAN CENTER TO FLOOR LEVEL OF EXISTING SCHOOL



EXTERIOR MATERIALS LEGEND

	5 ALUMINUM STOREFRONT WITH CLEAR GLAZING, COORD. GLAZING SCHEDULE
	1 EXTERIOR BRICK VENEER TO MATCH EXISTING
	2, 3, 4, 9 CAST STONE

WINDOW ELEVATION LEGEND

NOTE: REFER TO WINDOW SCHEDULE FOR MORE INFORMATION

	CLEAR GLAZING, PER SCHEDULE
	TEMPERED GLAZING, PER SCHEDULE
	SPANDREL GLAZING, PER SCHEDULE

MULLION ELEVATION LEGEND

	MULLION
	ZIPPY GRID MUNTIN

GLAZING TYPE SCHEDULE

EG-1	EXTERIOR 1" G, CLEAR GLASS W/ LOWE COATING
EG-2	EXTERIOR 1" G, CLEAR GLASS W/ LOWE COATING, TEMPERED
EG-3	EXTERIOR 1" G, SPANDREL GLASS W/ LOWE COATING, TEMPERED, SATIN-ETCHED, BACK PAINTED
IG-1	INTERIOR 1/4" CLEAR GLASS, TEMPERED
IG-2	INTERIOR 1/4" CLEAR GLASS, TEMPERED, FROSTED
IG-3	INTERIOR 1/4" CLEAR GLASS, TEMPERED, FIRE RATED
IG-4	INTERIOR 1/4" CLEAR GLASS, TEMPERED, FIRE RATED, FROSTED

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REVISION DATE

EXTERIOR ELEVATIONS

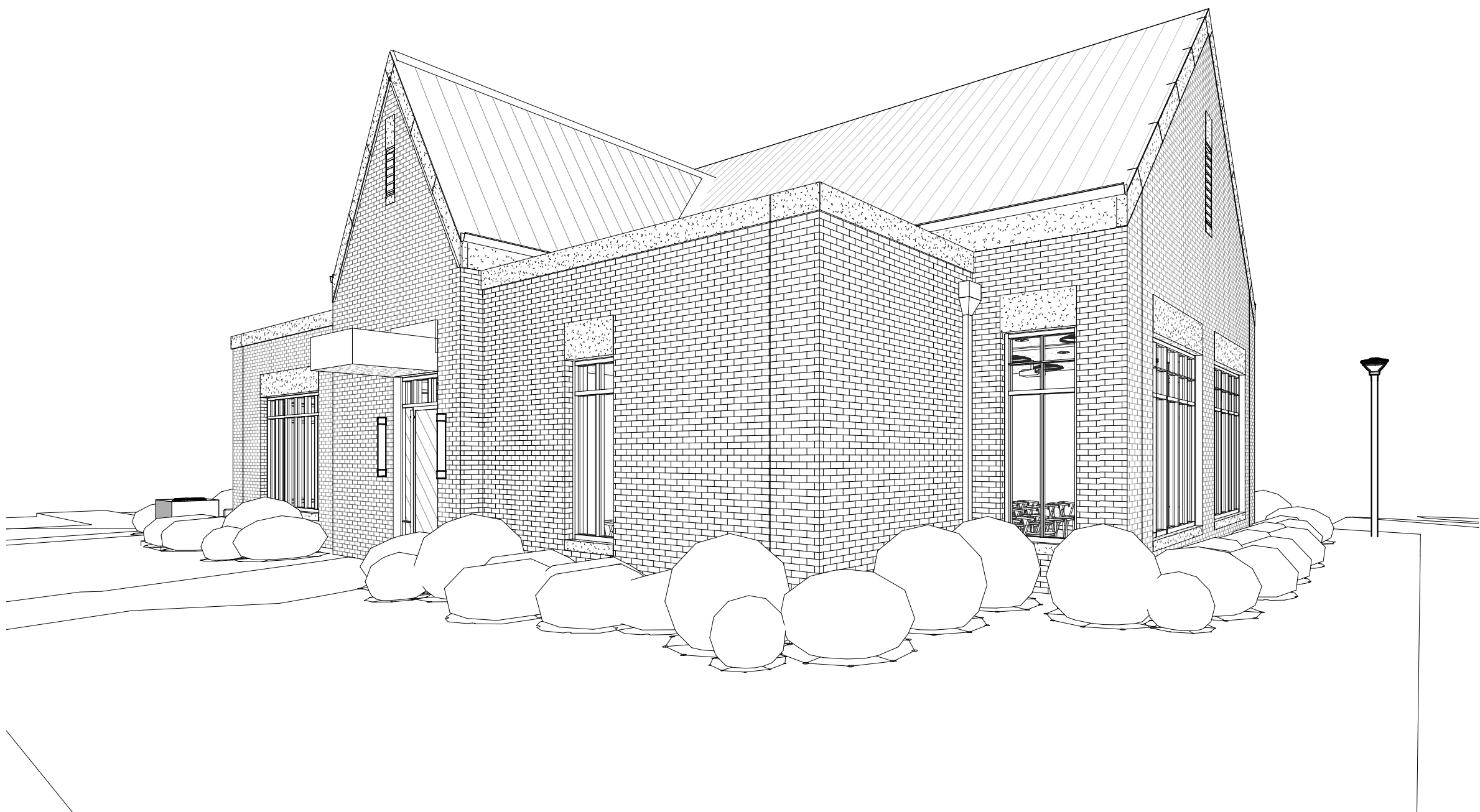
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- 01 3D VIEW
ENTRY VIEW



- 02 3D VIEW
NORTH WEST VIEW



- 03 3D VIEW
SOUTH WEST VIEW



- 04 3D VIEW
EAST VIEW

VIEWS ARE FOR REFERENCE
AND ARE NOT TO SCALE

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REVISION DATE

EXTERIOR 3D
PERSPECTIVES

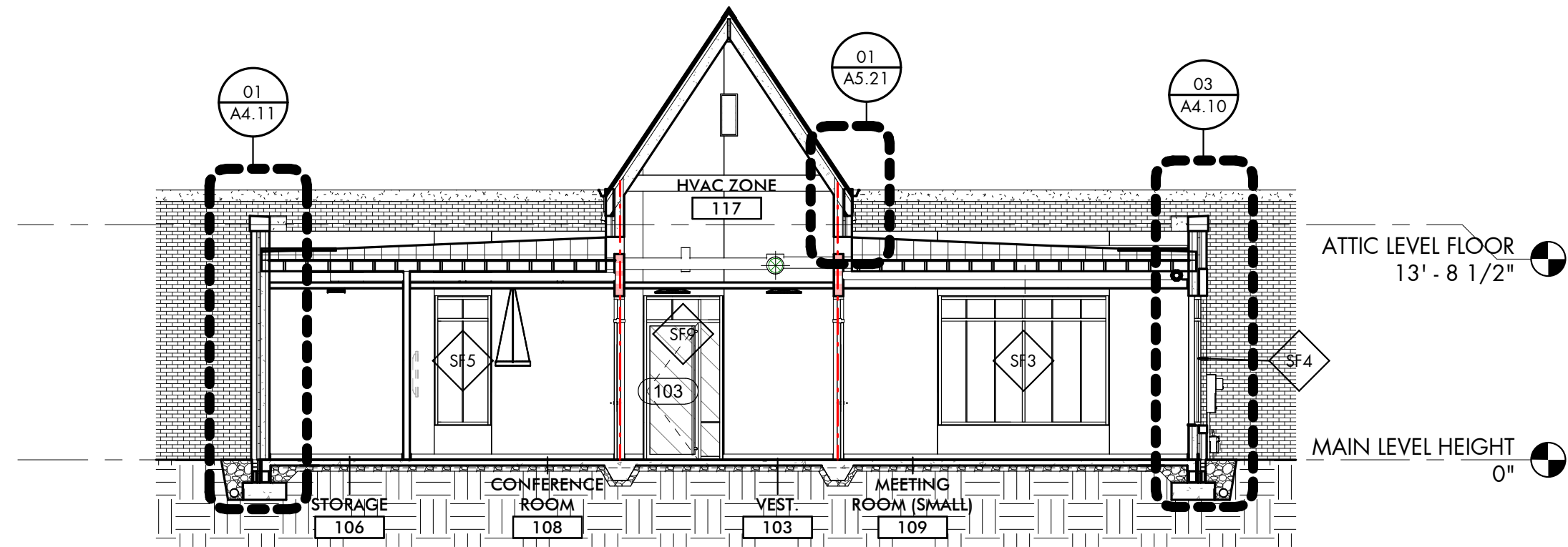
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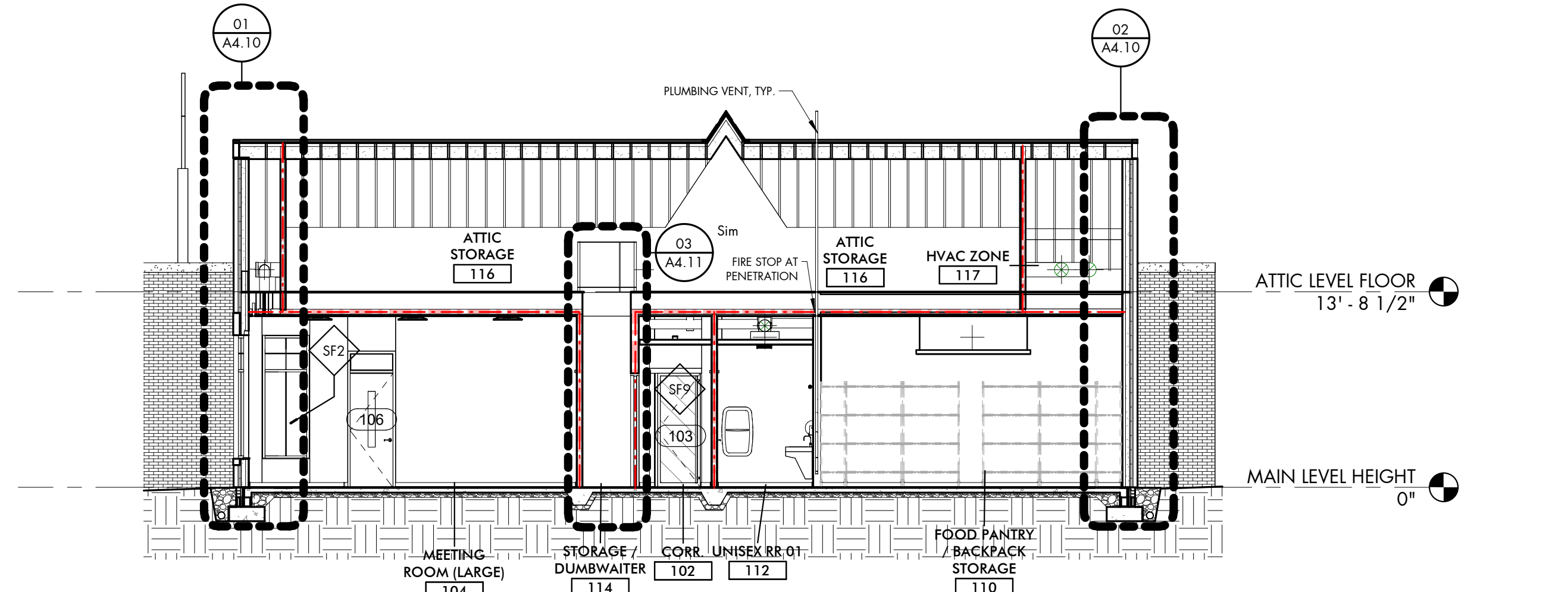
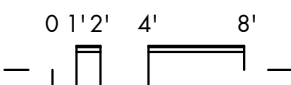
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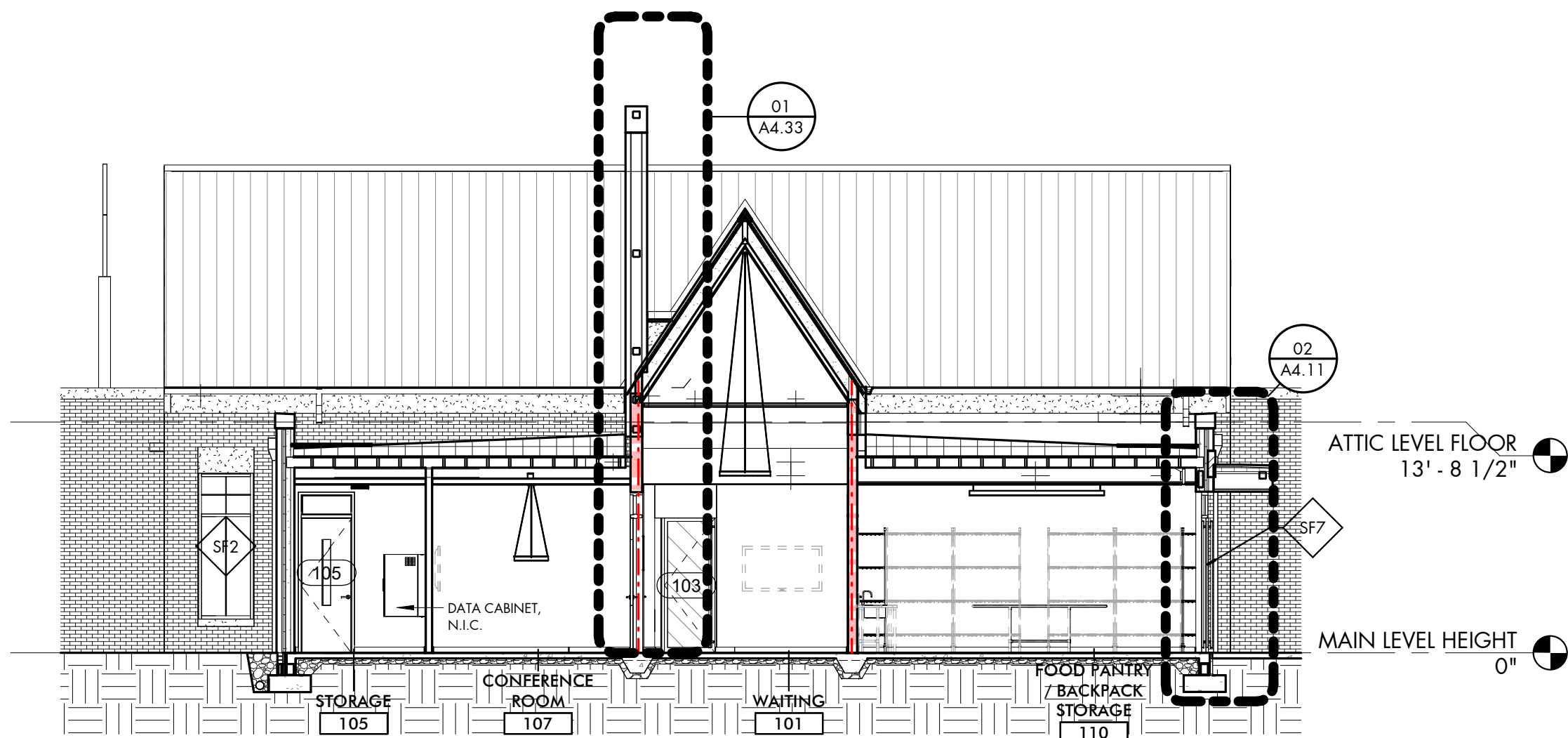
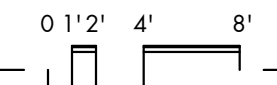
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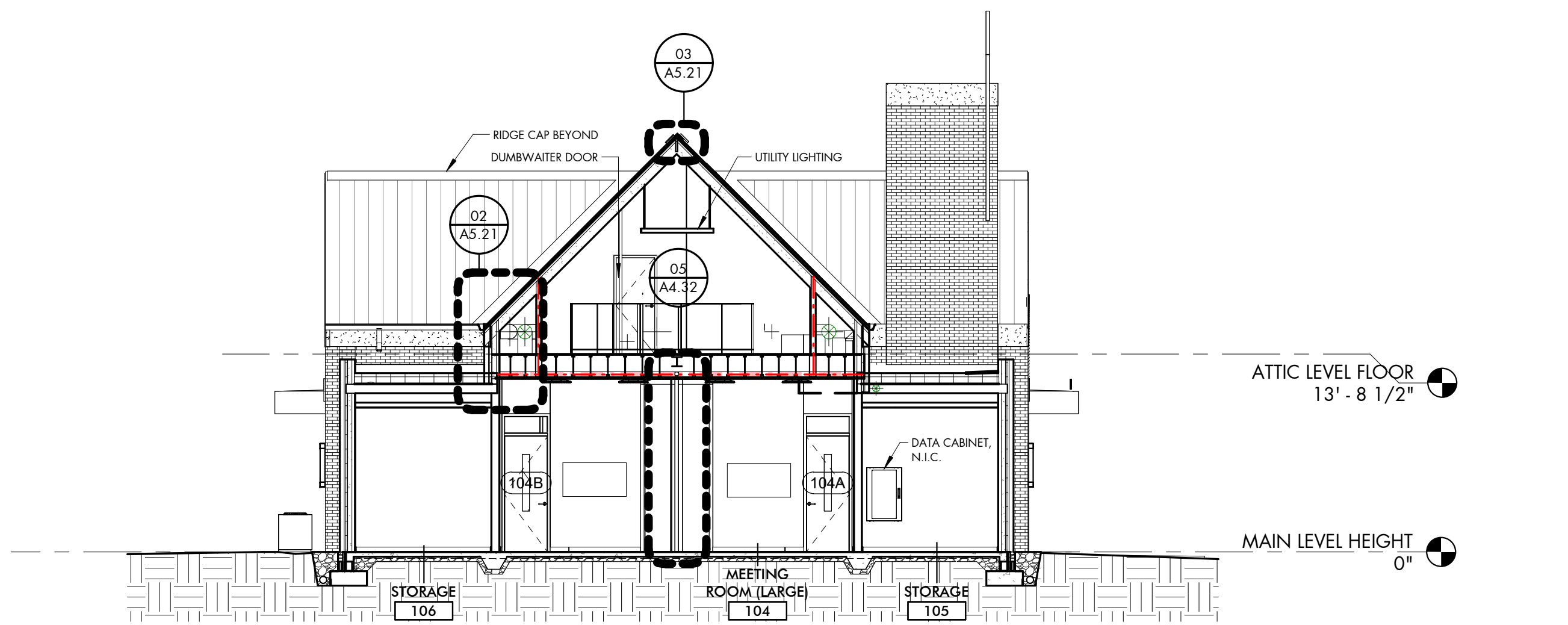
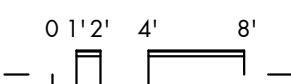
- 01 BUILDING SECTION
LONGITUDINAL BUILDING SECTION 01



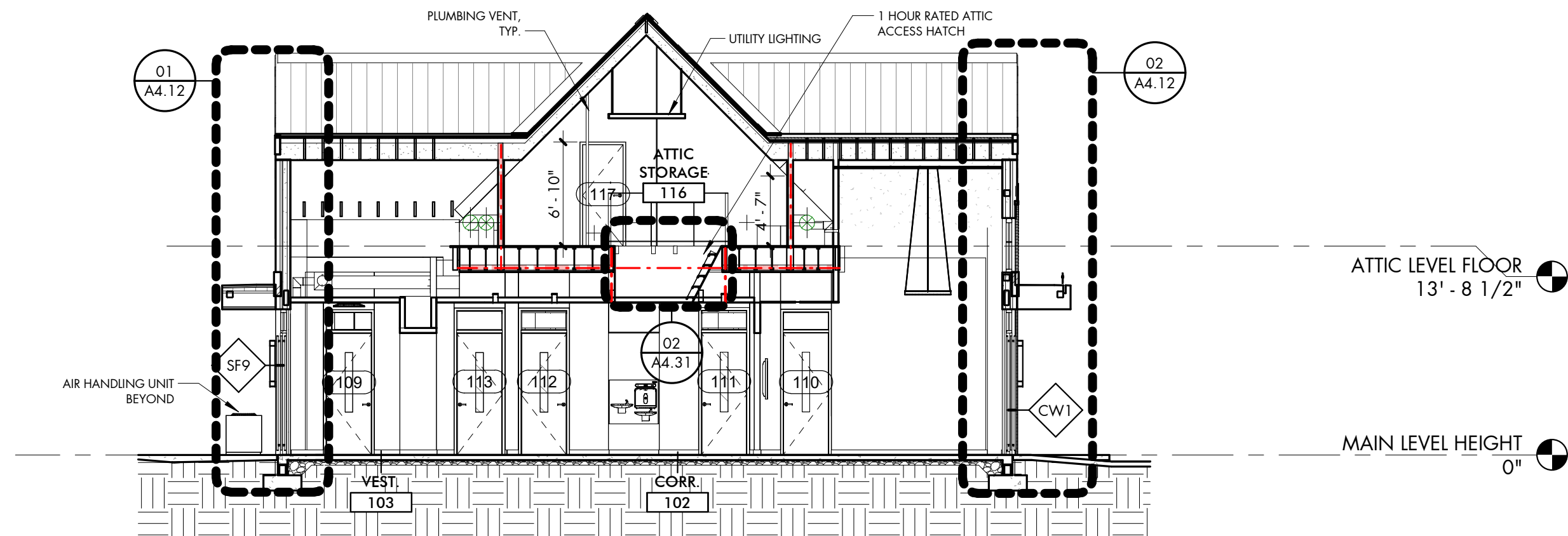
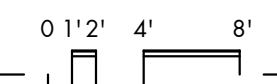
- 02 BUILDING SECTION
LONGITUDINAL BUILDING SECTION 02



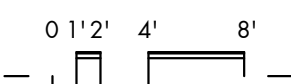
- 03 BUILDING SECTION
LONGITUDINAL BUILDING SECTION 03



- 04 BUILDING SECTION
TRANSVERSE BUILDING SECTION 01



- 05 BUILDING SECTION
TRANSVERSE BUILDING SECTION 02



FIRE ASSEMBLY WALL LEGEND

1-HOUR RATED FIRE SEPARATION WITH 60 MIN. DOORS

NOTE: LABEL ALL FIRE BARRIERS ABOVE THE CEILING TO SATISFY STATE FIRE MARSHAL'S REQUIREMENTS.

NOTE: ALL EQUIPMENT RECESSED INTO FIRE BARRIERS SHALL NOT DECREASE THE RATING OF THE WALL.

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BUILDING SECTIONS

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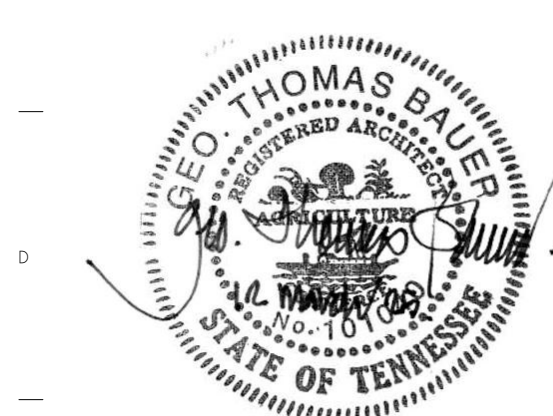
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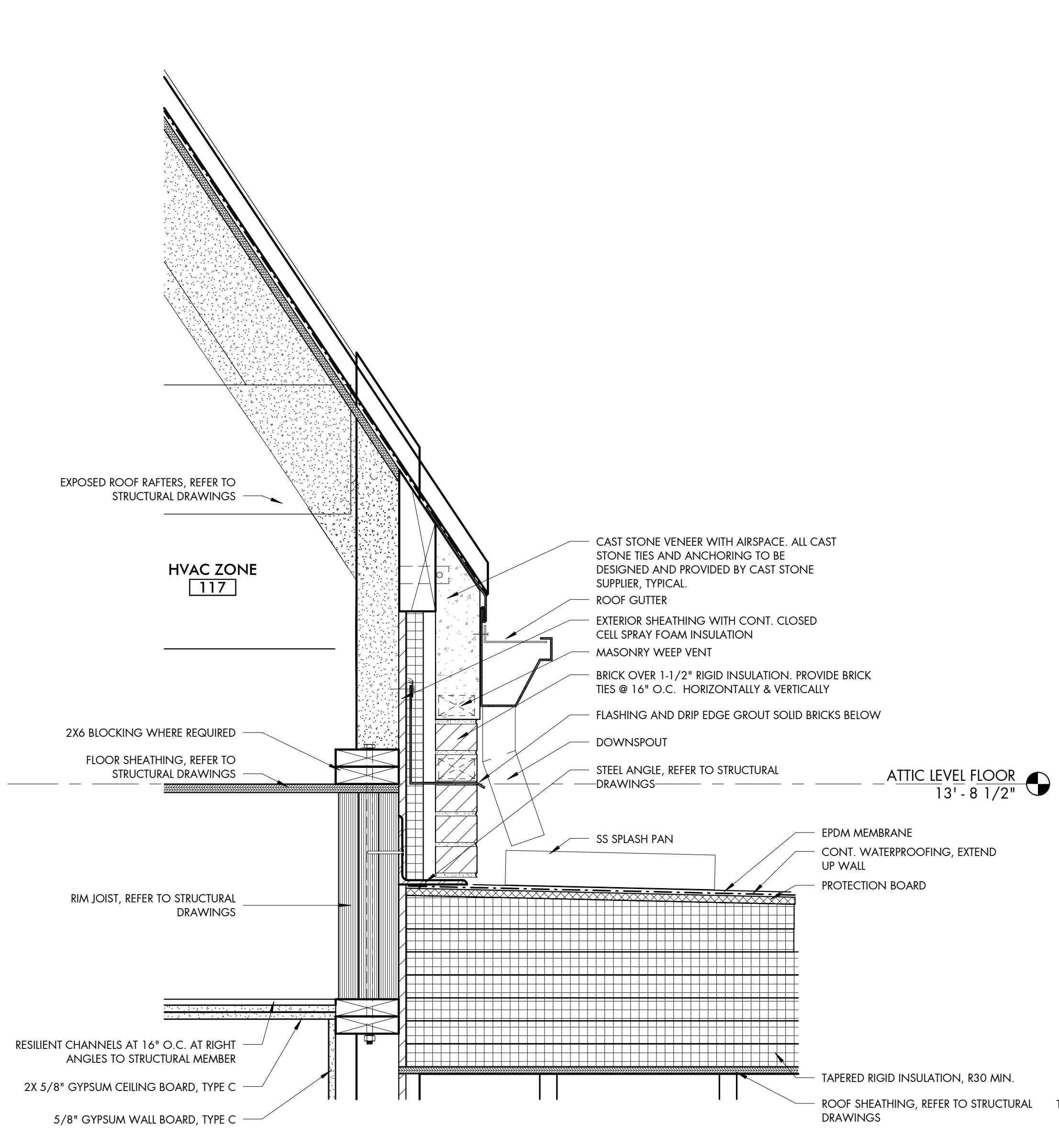
REVISION DATE

SECTION DETAILS -
EXTERIOR

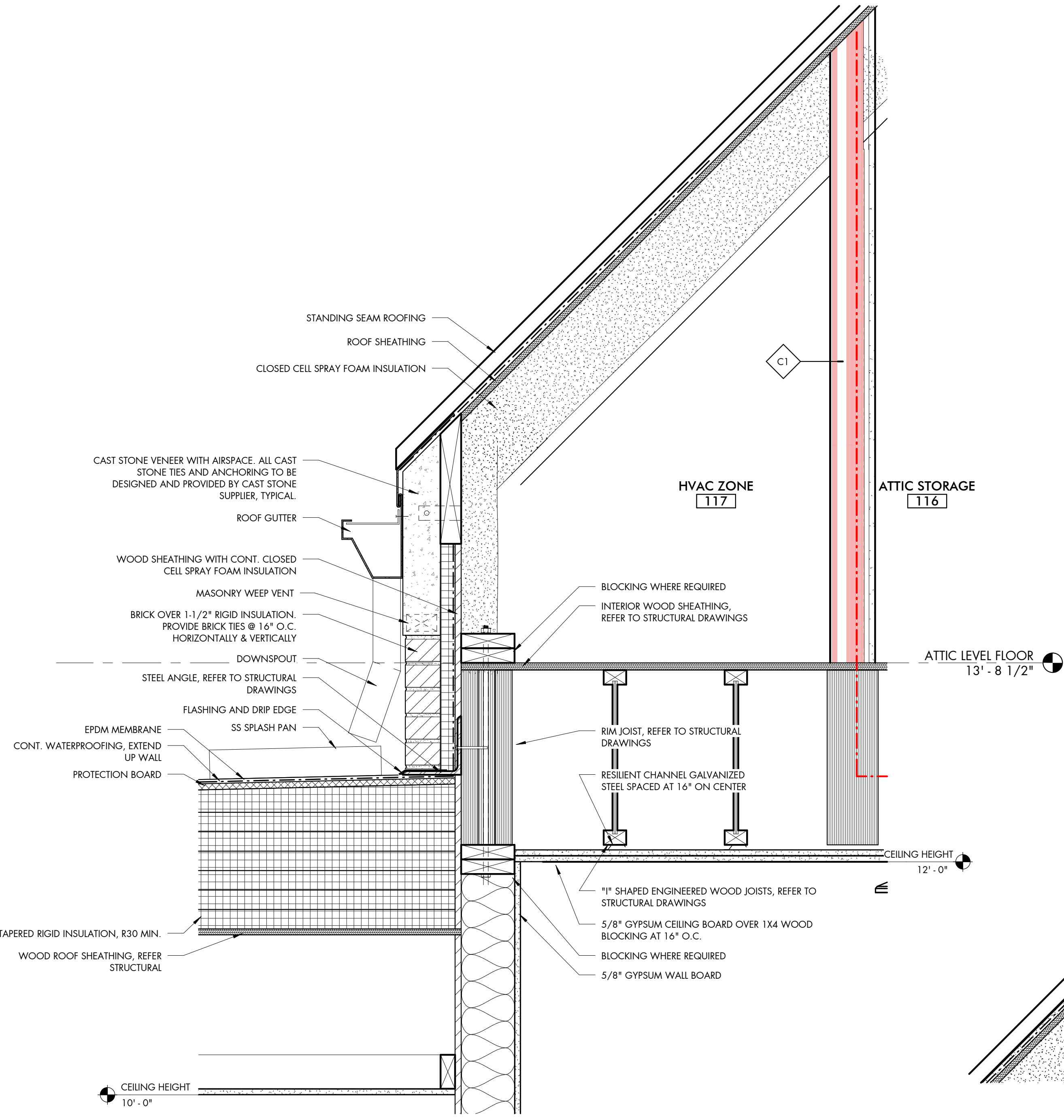
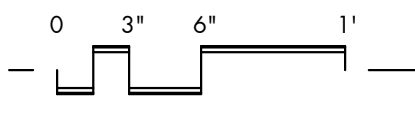
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CONSTRUCTION DOCUMENTS

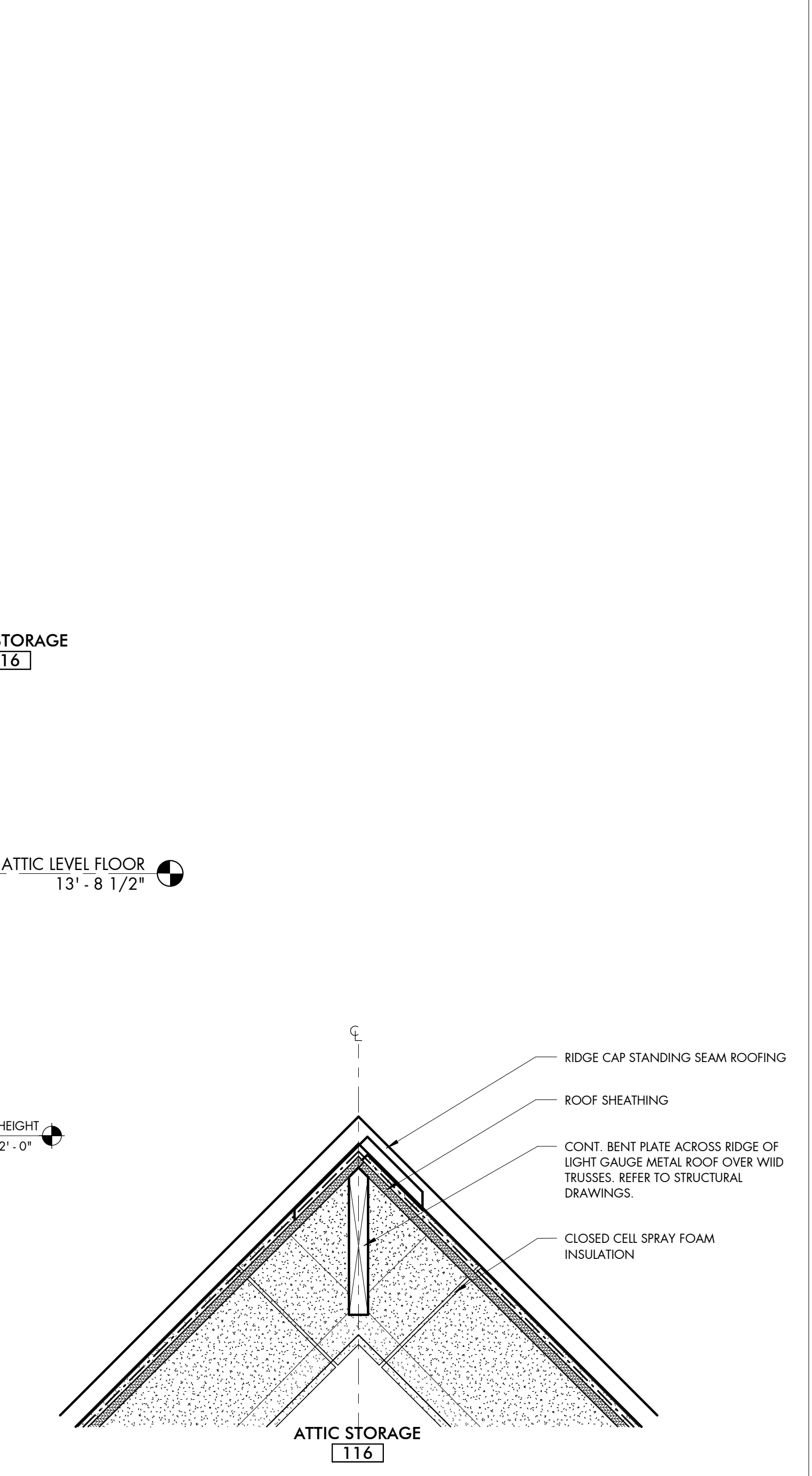
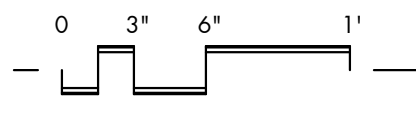
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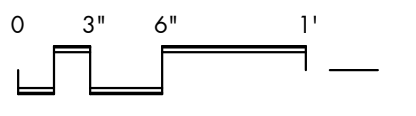
- 01 SECTION DETAIL
WALL SECTION 01 AT UPPER ROOF EAVE



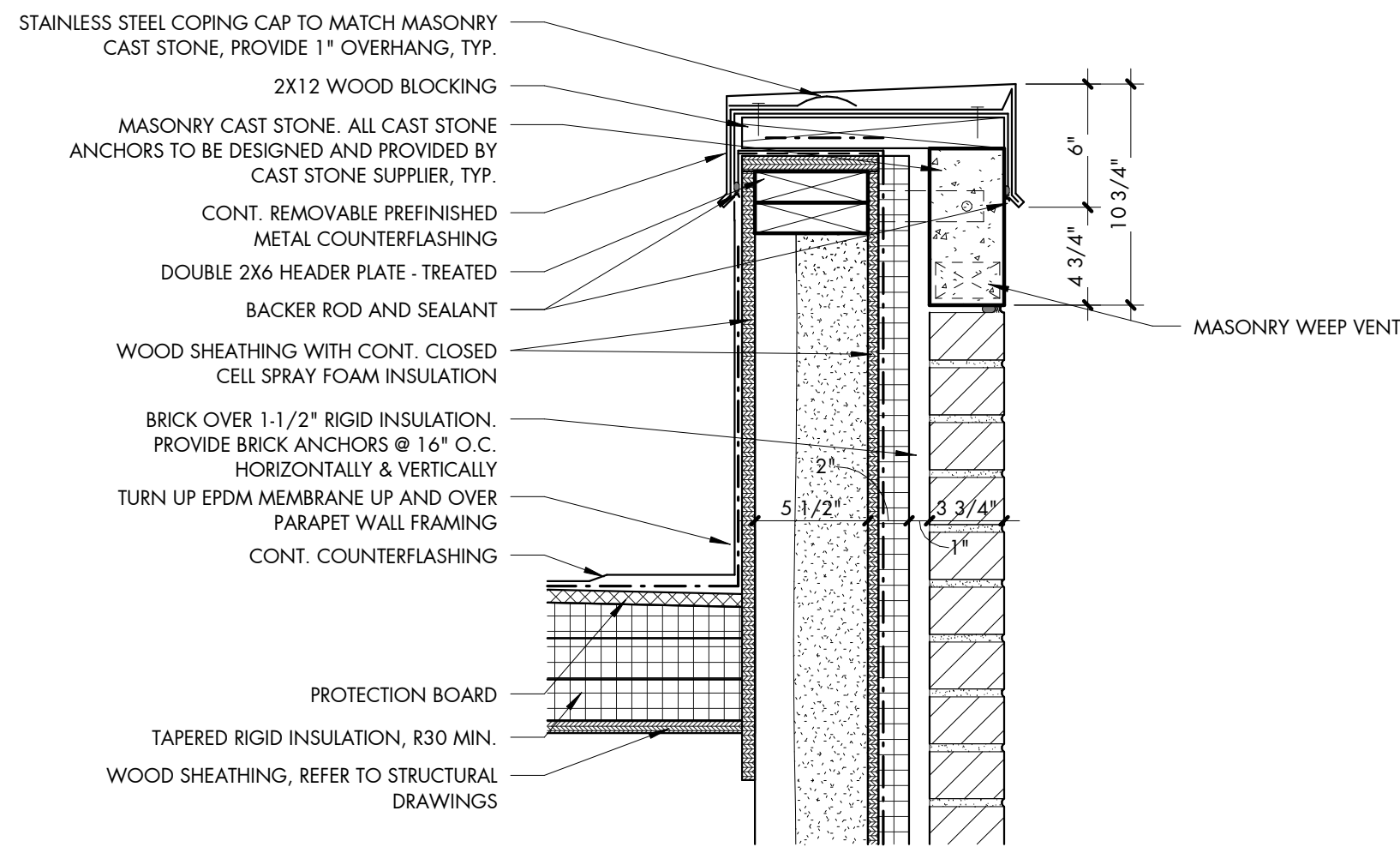
- 02 SECTION DETAIL
WALL SECTION 03 AT UPPER ROOF EAVE



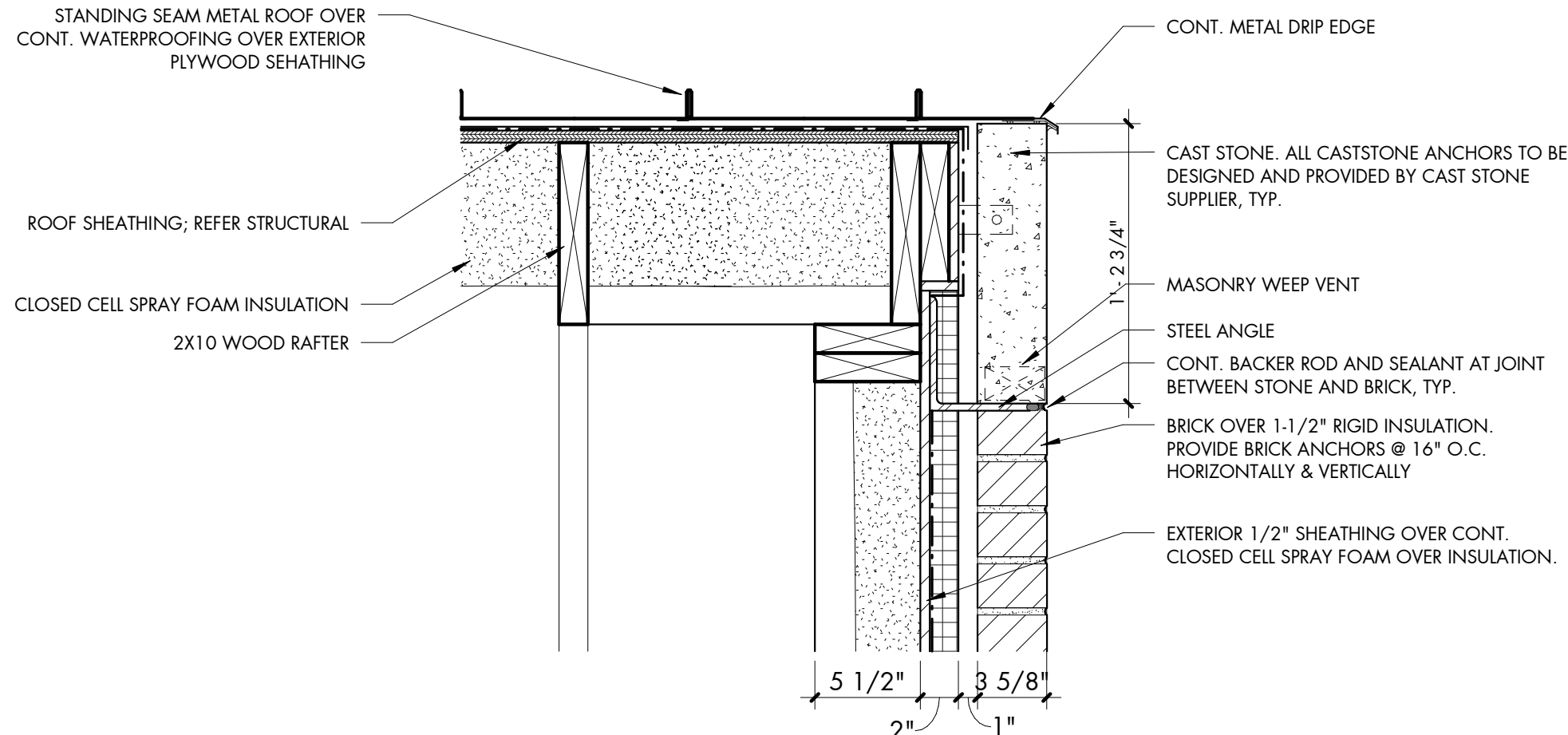
- 03 SECTION DETAIL
METAL ROOF RIDGE



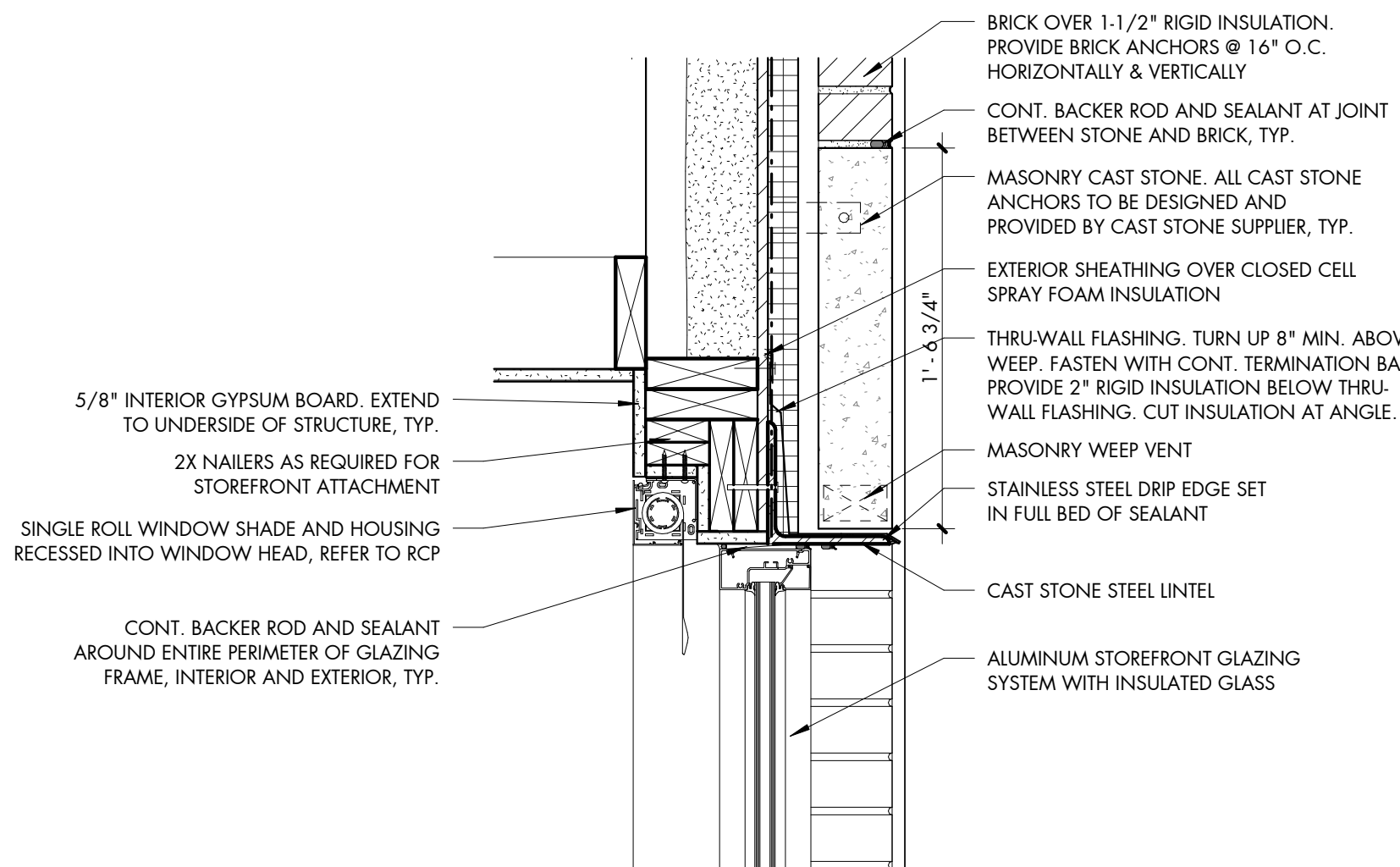
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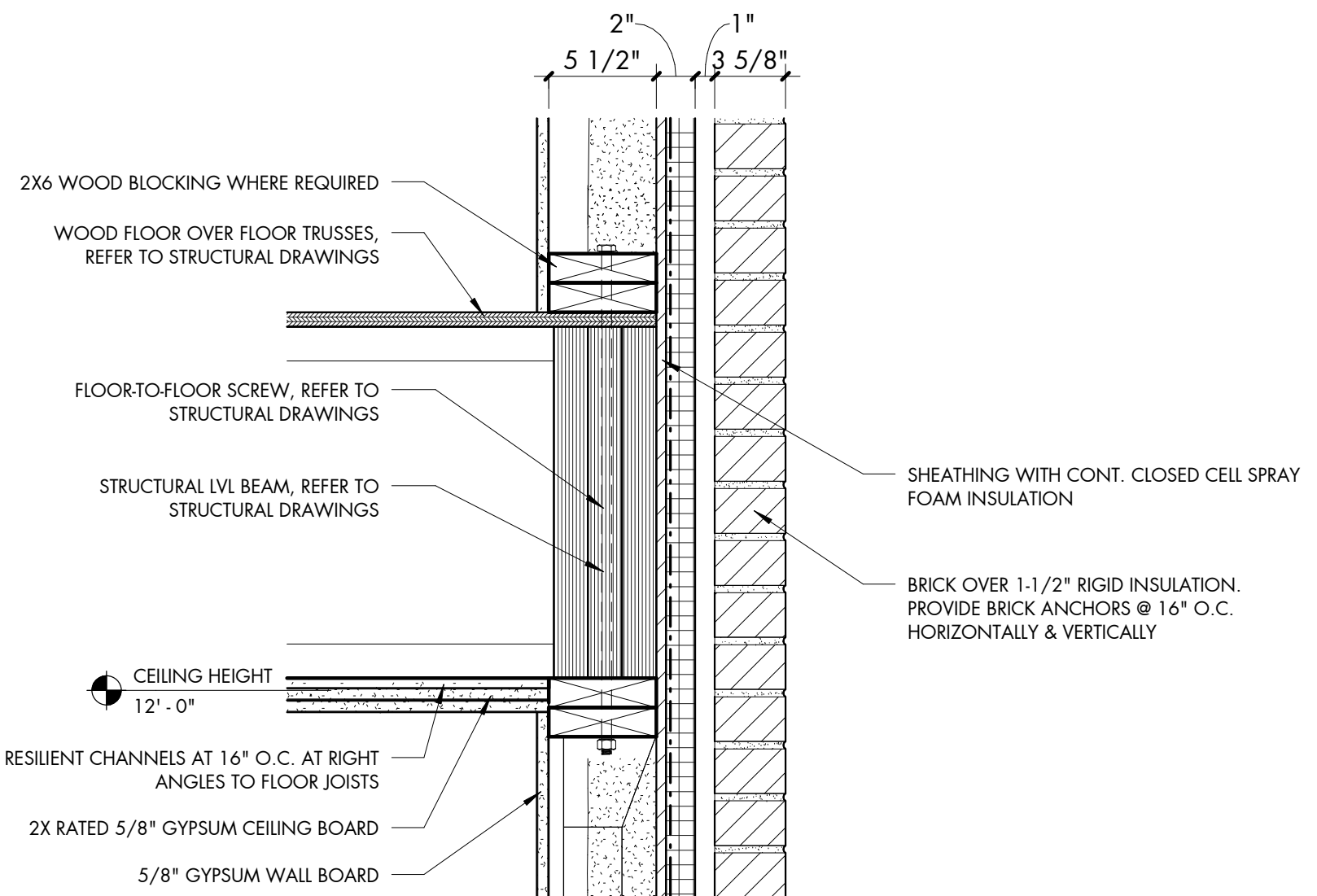
01 SECTION DETAIL
WALL SECTION 01 AT LOWER ROOF PARAPET



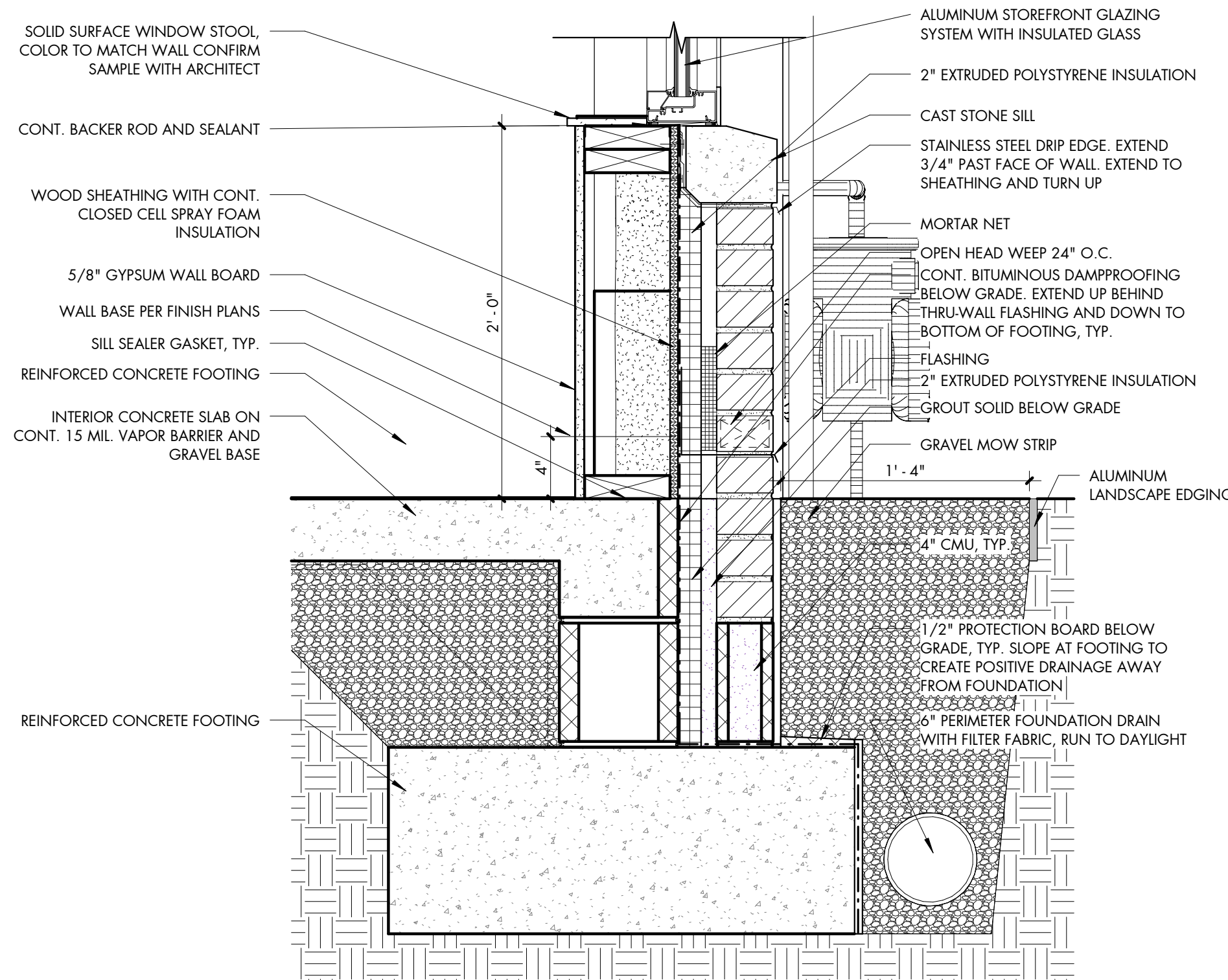
02 SECTION DETAIL
WALL SECTION 02 AT ROOF HEAD



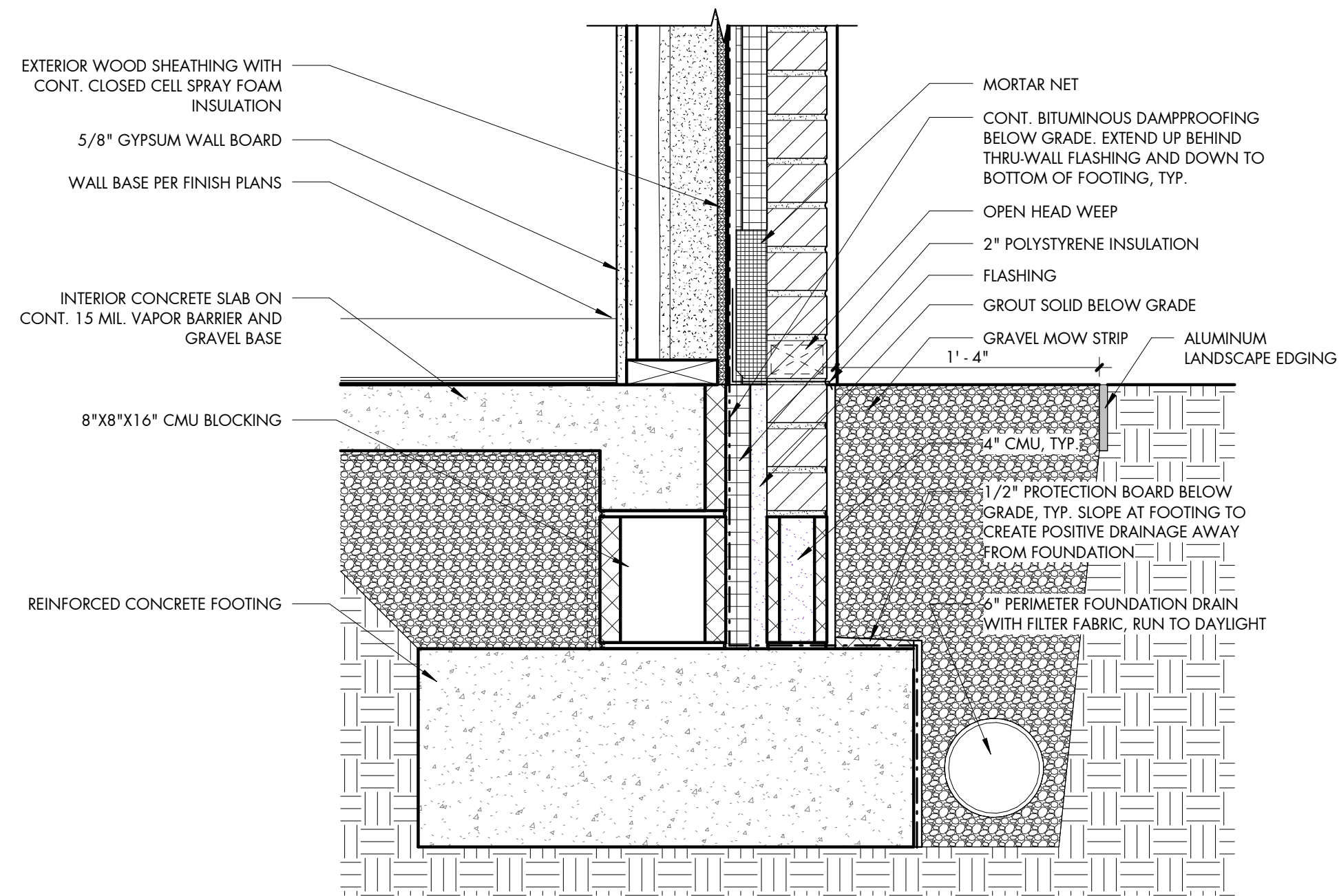
04 SECTION DETAIL
WALL SECTION 01 AT STOREFRONT HEAD



05 SECTION DETAIL
WALL SECTION 01 AT ATTIC FLOOR



06 SECTION DETAIL
WALL SECTION 01 AT GRADE WITH WINDOW SILL



07 SECTION DETAIL
WALL SECTION 02 AT GRADE WITH BRICK VENEER

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