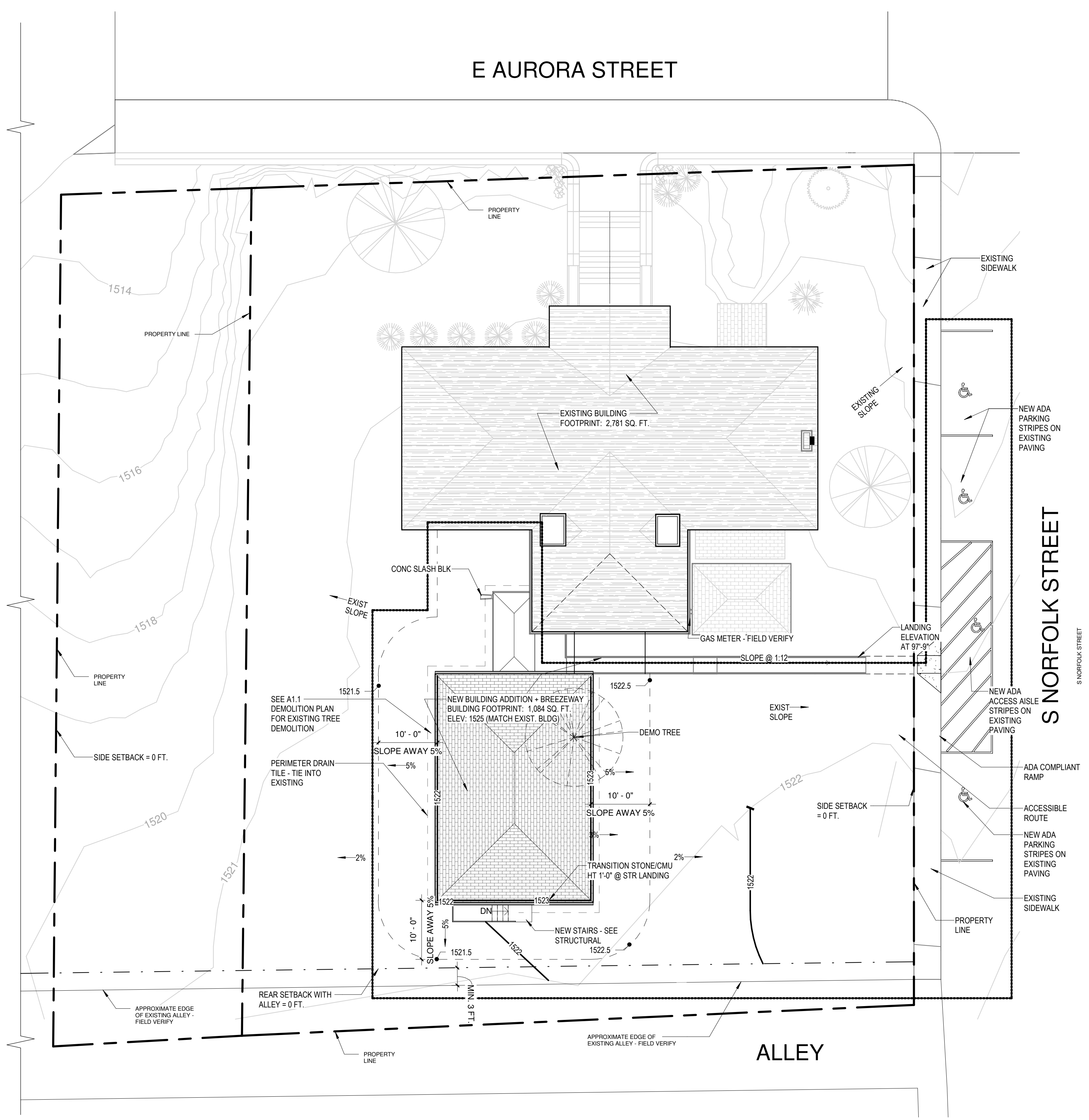


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SITE PLAN LEGEND

- CONSTRUCTION LIMIT
- - - DRAIN TILE
- - - PROPERTY LINE



**Know what's below.
Call before you dig.**

SITE PLAN GENERAL NOTES

1. SITE DIMENSIONS SHOWN ON THIS PLAN SHALL BE USED FOR ALL LAYOUT WORK. CHECK ALL PLAN AND DETAIL DIMENSIONS. BUILDING AND SITE IMPROVEMENTS SHALL BE LAID OUT ON SITE BY A REGISTERED LAND SURVEYOR.
2. MEET REQUIREMENTS OF LOCAL GOVERNING AUTHORITY FOR WORK WITHIN THE PUBLIC RIGHT OF WAY, INCLUDING TEMPORARY TRAFFIC CONTROL. A TRAFFIC CONTROL PLAN SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO BEGINNING WORK.
3. NO SLOPE IN ANY DIRECTION SHALL EXCEED 2% IN ACCESSIBLE PARKING AND LOADING AREAS.
4. ALLOW MINIMUM OF 24 HOUR COOLING PRIOR TO ALLOWING TRAFFIC ON ASPHALT PAVING.
5. MATCH NEW AND EXISTING PAVEMENT SURFACES, SIDEWALKS, AND CURBS AT SAWCUT LINES, ALLOWING NO PONDING OF WATER AT JOINTS. PROVIDE SMOOTH GRADE TRANSITION ACROSS NEW AND EXISTING JOINTS.
6. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD, CURRENT VERSION.
7. SEE REGULATORY SIGN DETAIL FOR SIGN AND POST DETAILS AND SIGN DESIGNATION AND SIZE INFORMATION.
9. EXTERIOR UTILITY CONNECTIONS AND EXCAVATION BY CITY OF IRONWOOD N.I.C. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ALL UTILITY CONFLICTS.

GRADING PLAN LEGEND & KEY

- CONSTRUCTION LIMITS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- 0% SLOPE ARROW
- 000.00 SPOT ELEVATION



**Know what's below.
Call before you dig.**

GRADING PLAN GENERAL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE BEGINNING SITE GRADING ACTIVITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING QUANTITIES OF CUT, FILL AND WASTE MATERIAL TO BE HANDLED, AND FOR THE AMOUNT OF GRADING TO BE DONE. ALL COSTS ASSOCIATED WITH IMPORTING SUITABLE MATERIAL AND EXPORTING UNSUITABLE/EXCESS-WASTE MATERIAL SHALL BE INCLUDED IN THE BID PRICE.
3. CONTRACTOR SHALL STRIP, STOCKPILE, AND RE-SPREAD EXISTING ON-SITE TOPSOIL, IF MATERIAL IS APPROVED BY THE ARCHITECT AND/OR SPECIFICATIONS. PROVIDE A UNIFORM THICKNESS OF 6" MINIMUM IN ALL DISTRIBUTED AREAS TO BE LANDSCAPED.
4. CONTRACTOR SHALL DISPOSE OF ANY EXCESS SOIL MATERIAL UNLESS OTHERWISE NOTED.
5. SEE SITE PLAN AND PLANTING PLAN FOR PERMANENT TURF RESTORATION AND PLANTING INFORMATION.
6. MAINTAIN TEMPORARY PROTECTION MEASURES DURING CONSTRUCTION ACTIVITIES.
7. SEE SITE PLAN FOR SITE LAYOUT.
8. PROPOSED CONTOURS AND ELEVATIONS ARE TO FINISHED SURFACE GRADE.
9. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AT ALL TIMES.
10. NO GRADED SLOPE SHALL EXCEED 1:3 (VERTICAL TO HORIZONTAL).
11. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AND PROVIDE A SMOOTH FINISHED SURFACE WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN OR BETWEEN POINTS AND EXISTING GRADES.
12. LIMIT THE DISTURBED AREA AS MUCH AS POSSIBLE AND CONDUCT GRADING OPERATIONS IN A MANNER TO MINIMIZE THE POTENTIAL FOR EROSION.
13. CONDUCT GRADING PER MDOT SPECIFICATIONS



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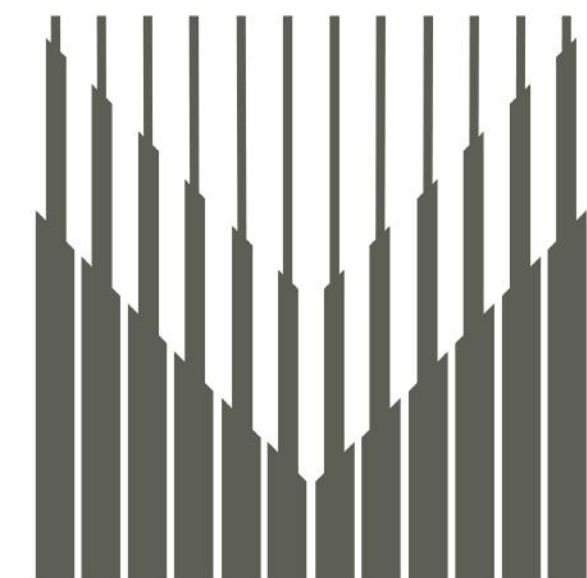
**IRONWOOD, MI
SITE & GRADING PLAN**

PROJECT NUMBER 24-022
DATE 9-17-2024
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A0.2

1 SITE & GRADING PLAN
3/32" = 1'-0"





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**IRONWOOD, MI
CODE PLAN**

PROJECT NUMBER 24-022
DATE 9-17-2024
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A0.3

CODE SUMMARY

GENERAL INFORMATION

PROJECT NAME: CITY OF IRONWOOD
CARNEGIE LIBRARY
PROJECT LOCATION: 235 E AURORA ST
IRONWOOD, MI 49938

APPLICABLE CODES

2015 MINNESOTA REHABILITATION CODE FOR EXISTING BUILDINGS
2015 MICHIGAN BUILDING CODE
2015 MICHIGAN ENERGY CODE
ICC/ANSI A 117.1

USE AND OCCUPANCY CLASSIFICATION [IBC CHAPTER 3]

OCCUPANCY GROUP(S): ASSEMBLY GROUP 'A-3' (303.4)

TYPE OF CONSTRUCTION [IBC CHAPTER 6]

CONSTRUCTION CLASSIFICATION: TYPE V-B [601]

FIRE RESISTANCE RATING REQUIREMENT FOR BUILDING ELEMENTS =
STRUCTURAL FRAME 0
INTERIOR/EXTERIOR BEARING WALLS 0
NONBEARING WALLS & PARTITIONS (EXT) 0
NONBEARING WALLS & PARTITIONS (INT) 0
FLOOR CONSTRUCTION 0
ROOF CONSTRUCTION 0

GENERAL BUILDING HEIGHTS AND AREAS [IBC CHAPTER 5]

BUILDING HEIGHT A-3: 40' (GOVERNS)
BUILDING HEIGHT (EXIST.): 38' - 8" (HIGHEST POINT) NO CHANGE

BUILDING STORIES PERMITTED A-3: 1 (GOVERNS)
BUILDING STORIES ACTUAL: 1

BUILDING AREA PERMITTED A-3: 6,000 (GOVERNS)
BUILDING AREA ACTUAL EXIST. + NEW AT MAIN LEVEL: 3,865

FIRE PROTECTION SYSTEMS [IBC CHAPTER 9]

903.2.1.3 GROUP A-3
AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED FOR FIRE AREAS CONTAINING GROUP A-3 OCCUPANCIES AND INTERVENING FLOORS OF THE BUILDING WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:
3. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES.

903.2.11.1 STORIES WITHOUT OPENINGS
AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT ALL STORIES, INCLUDING BASEMENTS, OF ALL BUILDINGS WHERE THE FLOOR AREA EXCEEDS 1,500 SQUARE FEET (139.4 M2) AND WHERE THERE IS NOT PROVIDED NOT FEWER THAN ONE OF THE FOLLOWING TYPES OF EXTERIOR WALL OPENINGS:
1. OPENINGS BELOW GRADE THAT LEAD DIRECTLY TO GROUND LEVEL BY AN EXTERIOR STAIRWAY COMPLYING WITH SECTION 1011 OR AN OUTSIDE RAMP COMPLYING WITH SECTION 1012. OPENINGS SHALL BE LOCATED IN EACH 50 LINEAR FEET (15 240 MM), OR FRACTION THEREOF, OF EXTERIOR WALL IN THE STORY ON AT LEAST ONE SIDE. THE REQUIRED OPENINGS SHALL BE DISTRIBUTED SUCH THAT THE LINEAL DISTANCE BETWEEN ADJACENT OPENINGS DOES NOT EXCEED 50 FEET (15 240 MM).
2. OPENINGS ENTIRELY ABOVE THE ADJOINING GROUND LEVEL TOTALING NOT LESS THAN 20 SQUARE FEET (1.86 M2) IN EACH 50 LINEAR FEET (15 240 MM), OR FRACTION THEREOF, OF EXTERIOR WALL IN THE STORY ON AT LEAST ONE SIDE. THE REQUIRED OPENINGS SHALL BE DISTRIBUTED SUCH THAT THE LINEAL DISTANCE BETWEEN ADJACENT OPENINGS DOES NOT EXCEED 50 FEET (15 240 MM). THE HEIGHT OF THE BOTTOM OF THE CLEAR OPENING SHALL NOT EXCEED 44 INCHES (1118 MM) MEASURED FROM THE FLOOR.

MEANS OF EGRESS [IBC CHAPTER 10]

OCCUPANCY LOAD: TABLE 1004.1.2

EXISTING: 42 OCCUPANTS
675 (READING AREAS) / 50 NET (SF PER OCCUPANT)
1,341 (STACK AREAS) / 100 GROSS (SF PER OCCUPANT)
1,226 (STACK AREAS) / 100 GROSS (SF PER OCCUPANT)
637 (ACCESSORY STORAGE, MECHANICAL) / 300 GROSS (SF PER OCCUPANT)

BASIS OF DESIGN NEW: 16 OCCUPANTS
800 (READING AREAS) / 50 NET (SF PER OCCUPANT)

BASIS OF DESIGN TOTAL: 58 OCCUPANTS NEW AND EXISTING

TABLE 1017.2:
EXIT ACCESS TRAVEL DISTANCE
OCCUPANCY: A
WITHOUT SPRINKLER 200 FEET
WITH SPRINKLER 250 FEET

1004.3 POSTING OF OCCUPANT LOAD.
EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANCY LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT.

MINIMUM PLUMBING FACILITIES [SECTION 2902]

TABLE 2902.1
A-3
WATER CLOSETS: 1 PER 125 MALES, 1 PER 65 FEMALES
LAVATORIES: 1 PER 200 OCCUPANTS

62 OCCUPANTS
NEED: 1 MALE WATER CLOSETS, 1 FEMALE WATER CLOSETS, 2 LAVATORIES
HAVE: EXIST: 2 UNISEX TOILETS, 2 UNISEX LAVATORIES
NEW: 1 UNISEX TOILET, 1 UNISEX LAVATORY

COMMERCIAL ENERGY EFFICIENCY [MEC CHAPTER 4]

C401.2 APPLICATION

COMMERCIAL BUILDINGS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/ASHRAE/IESNA 90.1-2013.

ANSI/ASHRAE/IESNA 90.1-2013.
TABLE 5.5-7 BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 7
PRESCRIPTIVE BUILDING ENVELOPE OPTION

ROOFS	INSULATION MIN. R-VALUE
INSULATION ENTIRELY ABOVE DECK	R-35 c.i.
ATTIC AND OTHER	R-60
WALLS, ABOVE GRADE	INSULATION MIN. R-VALUE
WOOD FRAMED AND OTHER	R-19 + R-5 c.i.
WALLS, BELOW GRADE	T-15
BELOW GRADE WALL	
OPAQUE DOORS	ASSEMBLY MAXIMUM
SWINGING	U-0.500
VERTICAL FENESTRATION	ASSEMBLY MAX. U
METAL FRAMING, OPERABLE	U-0.40
METAL FRAMING, ENTRANCE DOOR	U-0.77

5.4.3.4 VESTIBULES
EXCEPTIONS:
7. DOORS THAT OPEN DIRECTLY FROM A SPACE THAT IS LESS THAN 3000 FT² IN AREA AND IS SEPARATE FROM THE BUILDING ENTRANCE

2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS

THE FOLLOWING SECTIONS SHALL APPLY TO THIS PROJECT:

301.1.2 WORK AREA COMPLIANCE METHOD

SECTION 501 THRU SECTION 504- IN ITS ENTIRETY

507 THRU SECTION 508

CHAPTERS 7 & 8

CHAPTER 11 ADDITIONS

1101.1 SCOPE
AN ADDITION TO A BUILDING OR STRUCTURE SHALL COMPLY WITH THE INTERNATIONAL CODE AS ADOPTED FOR NEW CONSTRUCTION WITHOUT REQUIRING THE EXISTING BUILDING OR STRUCTURE TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES OR OF THESE PROVISIONS, EXCEPT AS REQUIRED BY THIS CHAPTER. WHERE AN ADDITION IMPACTS THE EXISTING BUILDING OR STRUCTURE, THAT PORTION SHALL COMPLY WITH THIS CODE.

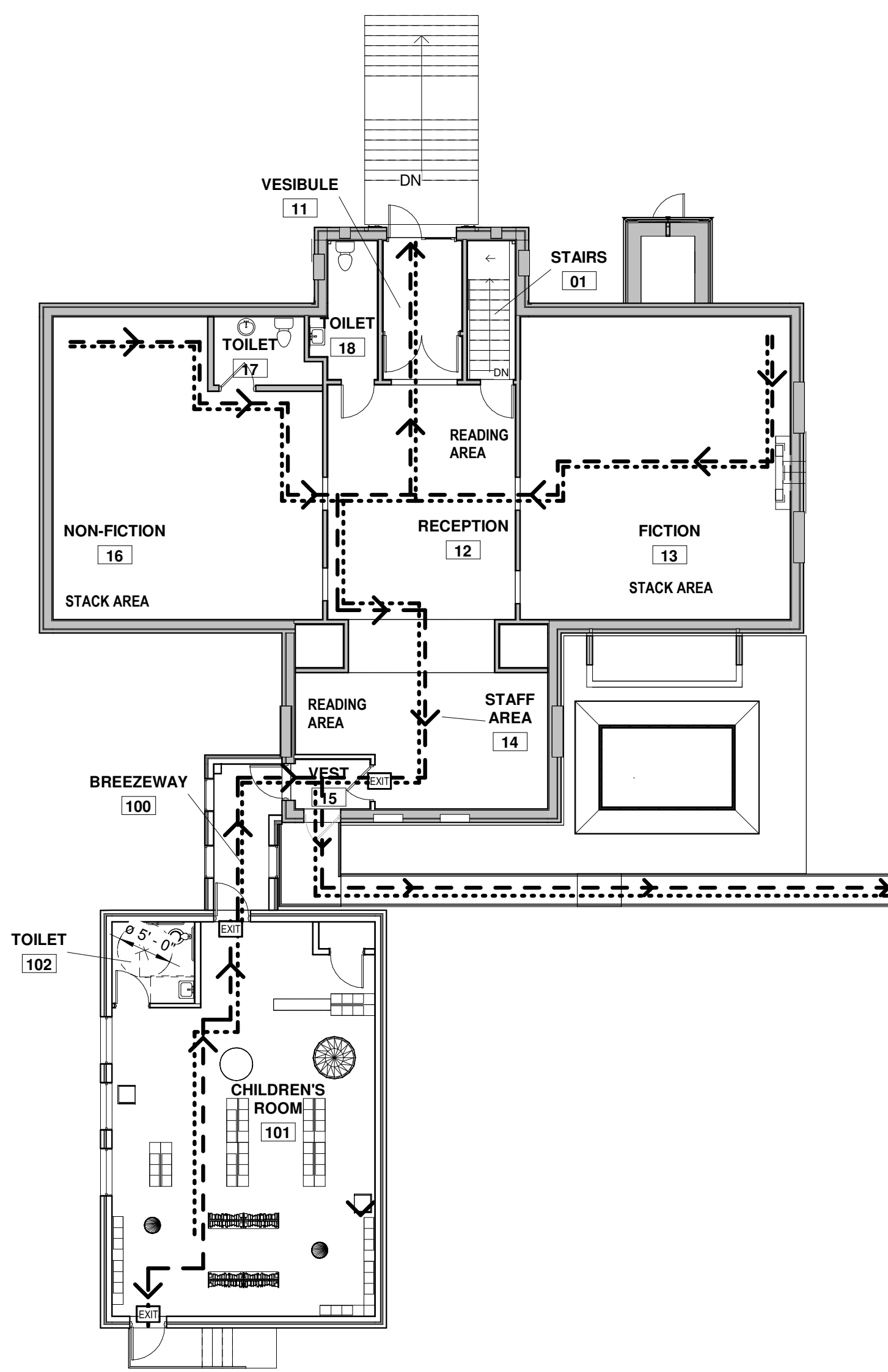
1102.3 FIRE PROTECTION SYSTEMS
EXISTING FIRE AREAS INCREASED BY THE ADDITION SHALL COMPLY WITH CHAPTER 9 OF THE INTERNATIONAL BUILDING CODE.

1105.1 MINIMUM REQUIREMENTS.
ACCESSIBILITY PROVISIONS FOR NEW CONSTRUCTION SHALL APPLY TO ADDITIONS, AN ADDITION THAT AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS 705, 806 AND 906, AS APPLICABLE.

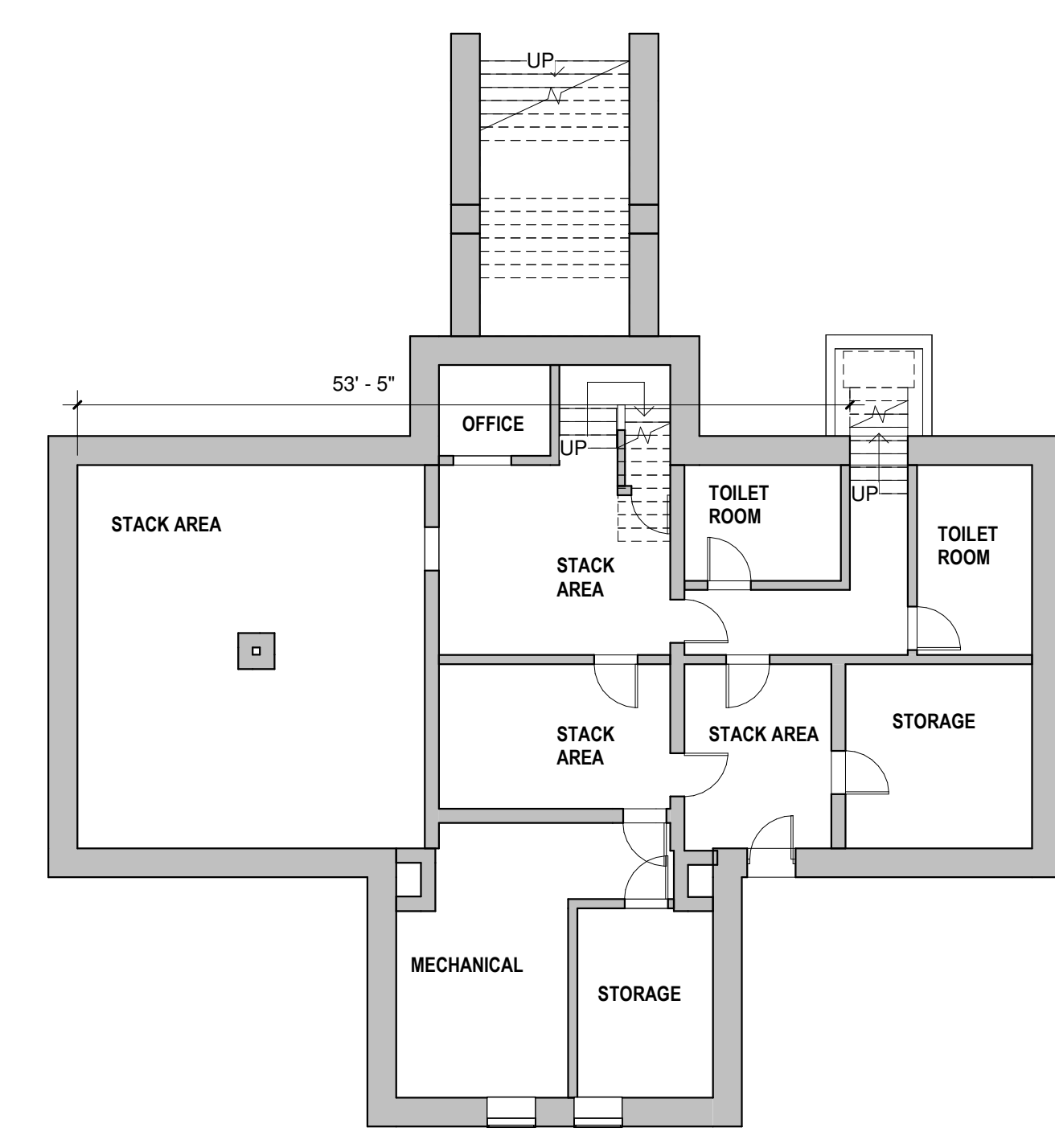
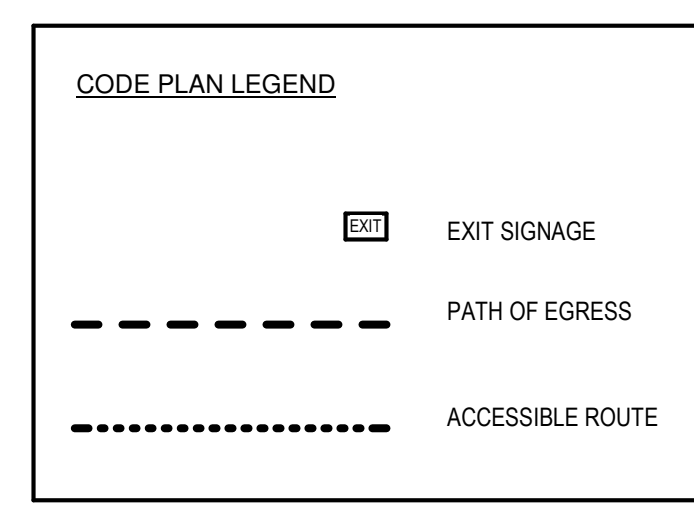
1106.1 MINIMUM REQUIREMENTS
ADDITIONS TO EXISTING BUILDINGS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION.

CHAPTER 12

1201.1 SCOPE
IT IS THE INTENT OF THIS CHAPTER TO PROVIDE MEANS FOR THE PRESERVATION OF HISTORIC BUILDINGS. HISTORICAL BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF THIS CHAPTER RELATING TO THEIR REPAIR, ALTERATION, RELOCATION AND CHANGE OF OCCUPANCY.



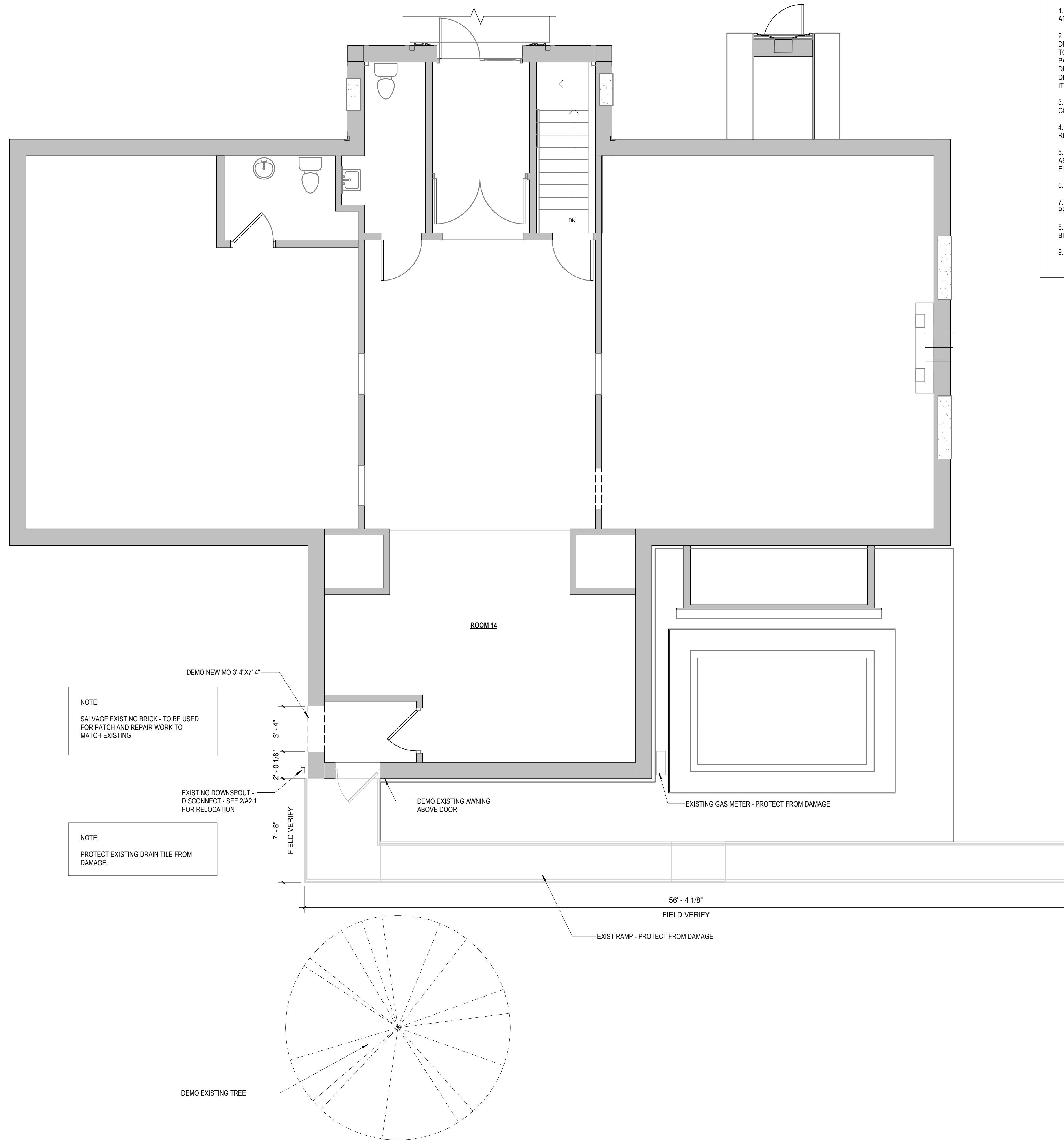
1 MAIN LEVEL - CODE PLAN
3/32" = 1'-0"



4 LOWER LEVEL - CODE PLAN
3/32" = 1'-0"

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NOTE:
SALVAGE EXISTING BRICK - TO BE USED FOR PATCH AND REPAIR WORK TO MATCH EXISTING.

NOTE:
PROTECT EXISTING DRAIN TILE FROM DAMAGE.

- DEMOLITION NOTES**
1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK, STAGING AND/OR ORDERING OF MATERIALS. NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES.
 2. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS INCLUDING, BUT NOT LIMITED TO ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS, ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS, AND TEMPORARY CONNECTIONS TO MAINTAIN OPERATIONS SHALL BE INCLUDED. PATCH AS REQUIRED ALL CONSTRUCTIONS TO REMAIN IN ACCORDANCE WITH THE CONTRACT DRAWINGS. WHERE CONTRACTOR IS DESIGNATED TO MAKE REMOVALS, DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE. SEE DRAWINGS AND/OR FOR SPECIFICALLY MENTIONED ITEMS.
 3. ALL REMOVALS AND SALVAGE, UNLESS SPECIFICALLY NOTED OR REQUESTED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR TO VERIFY ITEMS WITH OWNER PRIOR TO REMOVAL.
 4. EXISTING BUILDING COMPONENTS SHALL BE PROTECTED DURING CONSTRUCTION. DAMAGE TO EXISTING COMPONENTS SHALL BE REPLACED AS NEW AT NO ADDITIONAL EXPENSE TO OWNER. ALL MATERIALS REMOVED ARE TO BE DISPOSED OF PROPERLY.
 5. REMOVE EXISTING WALL COMPONENTS ENTIRELY FULL HEIGHT. EXISTING WALL FINISHES TO REMAIN SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MATCH EXISTING FINISHES. REMOVE ALL EXISTING ELECTRICAL OUTLETS AND ELECTRICAL WIRE BACK TO EXISTING ELECTRICAL PANEL ENTIRELY AS REQUIRED. COORDINATE WITH OWNER TO MAINTAIN OPERATIONS.
 6. REMOVE EXISTING DOOR & FRAME COMPONENTS ENTIRELY.
 7. REVIEW WITH MEP CONTRACTORS FOR REMOVAL/RELOCATION OF EXISTING EQUIPMENT. DISPOSE OF EQUIPMENT BEING REMOVED PROPERLY.
 8. G.C. SHALL COORDINATE WITH ALL SUBCONTRACTORS TO ASSURE THAT FLOOR CUTTING, PATCHING & LEVELING ARE INCLUDED IN THE BID PRICE. IF ABOVE WORK IS NOT PART OF A SUBCONTRACTOR'S BID, THE G.C. SHALL PROVIDE SAME TYPICAL ALL AREAS SHOWN DEMO.
 9. CONTRACTOR(S) SHALL MEET MANUFACTURER'S SPECIFICATIONS FOR TOLERANCES FOR NEW FLOORING MATERIAL BEING INSTALLED.

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DEMOLITION PLAN

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② MAIN LEVEL - DEMO
1/4" = 1'-0"





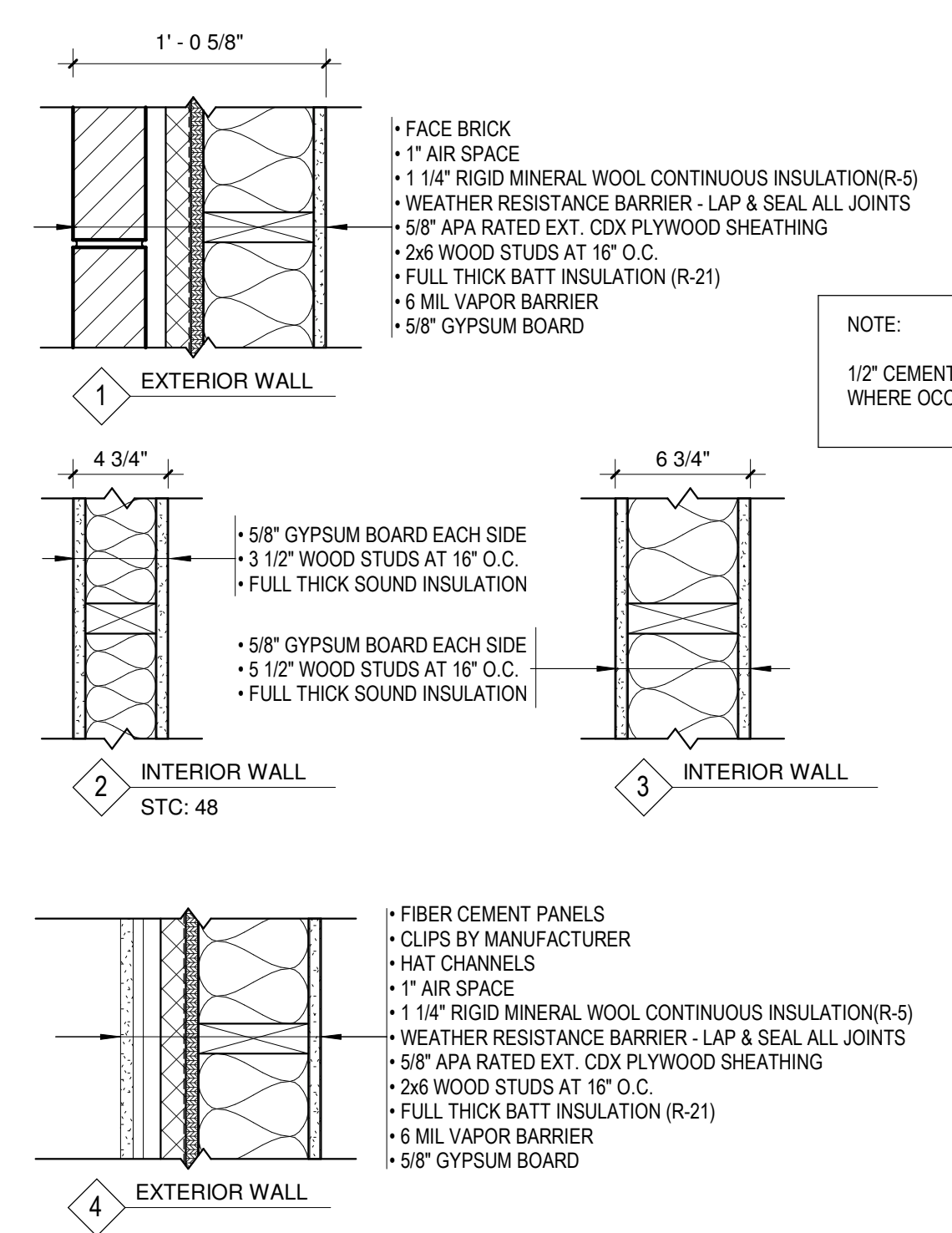
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**IRONWOOD, MI
MAIN LEVEL - FLOOR
PLAN - BASE BID**

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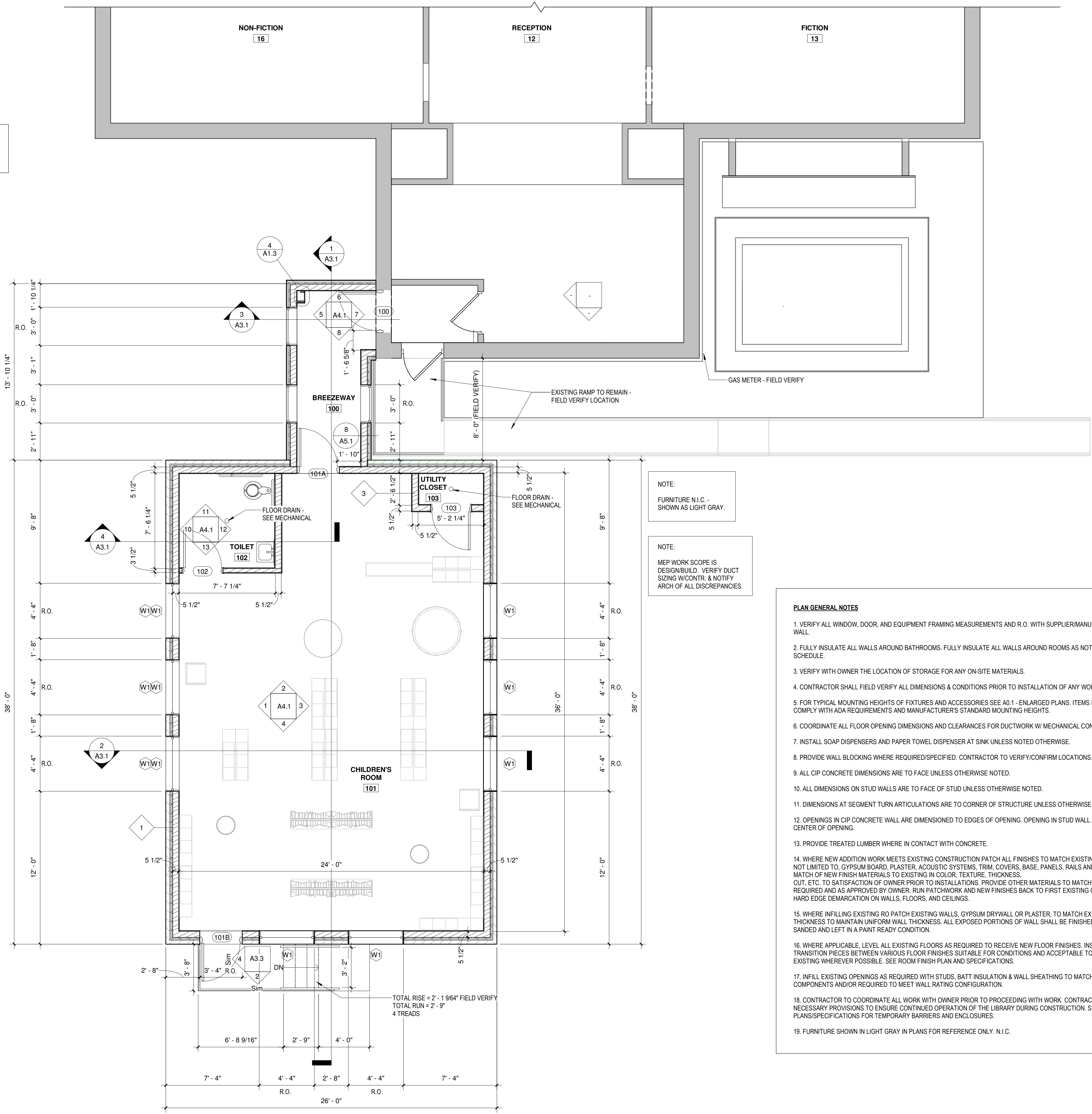
2 WALL TYPES
1 1/2" = 1'-0"

NOTE:
1/2" CEMENT BOARD WHERE OCCURS.

NOTE:
FURNITURE N.I.C. - SHOWN AS LIGHT GRAY.

NOTE:
MEP WORK SCOPE IS DESIGN/BUILD. VERIFY DUCT SIZING W/CONTR. & NOTIFY ARCH OF ALL DISCREPANCIES.

- PLAN GENERAL NOTES**
- VERIFY ALL WINDOW, DOOR, AND EQUIPMENT FRAMING MEASUREMENTS AND R.O. WITH SUPPLIER/MANUF. PRIOR TO FRAMING WALL.
 - FULLY INSULATE ALL WALLS AROUND BATHROOMS. FULLY INSULATE ALL WALLS AROUND ROOMS AS NOTED IN ROOM FINISH SCHEDULE.
 - VERIFY WITH OWNER THE LOCATION OF STORAGE FOR ANY ON-SITE MATERIALS.
 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS PRIOR TO INSTALLATION OF ANY WORK.
 - FOR TYPICAL MOUNTING HEIGHTS OF FIXTURES AND ACCESSORIES SEE A0.1 - ENLARGED PLANS. ITEMS NOT DEPICTED SHALL COMPLY WITH ADA REQUIREMENTS AND MANUFACTURER'S STANDARD MOUNTING HEIGHTS.
 - COORDINATE ALL FLOOR OPENING DIMENSIONS AND CLEARANCES FOR DUCTWORK W/ MECHANICAL CONTRACTOR - TYPICAL.
 - INSTALL SOAP DISPENSERS AND PAPER TOWEL DISPENSER AT SINK UNLESS NOTED OTHERWISE.
 - PROVIDE WALL BLOCKING WHERE REQUIRED/SPECIFIED. CONTRACTOR TO VERIFY/CONFIRM LOCATIONS.
 - ALL CIP CONCRETE DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS ON STUD WALLS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
 - DIMENSIONS AT SEGMENT TURN ARTICULATIONS ARE TO CORNER OF STRUCTURE UNLESS OTHERWISE NOTED.
 - OPENINGS IN CIP CONCRETE WALL ARE DIMENSIONED TO EDGES OF OPENING. OPENING IN STUD WALL ARE DIMENSIONED TO CENTER OF OPENING.
 - PROVIDE TREATED LUMBER WHERE IN CONTACT WITH CONCRETE.
 - WHERE NEW ADDITION WORK MEETS EXISTING CONSTRUCTION PATCH ALL FINISHES TO MATCH EXISTING, INCLUDING BUT NOT LIMITED TO, GYPSUM BOARD, PLASTER, ACOUSTIC SYSTEMS, TRIM, COVERS, BASE, PANELS, RAILS AND WAINSCOT. VERIFY MATCH OF NEW FINISH MATERIALS TO EXISTING IN COLOR, TEXTURE, THICKNESS, CUT, ETC. TO SATISFACTION OF OWNER PRIOR TO INSTALLATIONS. PROVIDE OTHER MATERIALS TO MATCH EXISTING WHEN REQUIRED AND AS APPROVED BY OWNER. RUN PATCHWORK AND NEW FINISHES BACK TO FIRST EXISTING CORNER AND/OR HARD EDGE DEMARCATON ON WALLS, FLOORS, AND CEILINGS.
 - WHERE INFILLING EXISTING RO PATCH EXISTING WALLS, GYPSUM DRYWALL OR PLASTER, TO MATCH EXISTING OF SUFFICIENT THICKNESS TO MAINTAIN UNIFORM WALL THICKNESS. ALL EXPOSED PORTIONS OF WALL SHALL BE FINISHED TO MATCH EXISTING, SANDED AND LEFT IN A PAINT READY CONDITION.
 - WHERE APPLICABLE, LEVEL ALL EXISTING FLOORS AS REQUIRED TO RECEIVE NEW FLOOR FINISHES. INSTALL REQUIRED TRANSITION PIECES BETWEEN VARIOUS FLOOR FINISHES SUITABLE FOR CONDITIONS AND ACCEPTABLE TO THE OWNER. MATCH EXISTING WHEREVER POSSIBLE. SEE ROOM FINISH PLAN AND SPECIFICATIONS.
 - INFILL EXISTING OPENINGS AS REQUIRED WITH STUDS, BATT INSULATION & WALL SHEATHING TO MATCH EXISTING WALL COMPONENTS AND/OR REQUIRED TO MEET WALL RATING CONFIGURATION.
 - CONTRACTOR TO COORDINATE ALL WORK WITH OWNER PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO ENSURE CONTINUED OPERATION OF THE LIBRARY DURING CONSTRUCTION. SEE PLANS/SPECIFICATIONS FOR TEMPORARY BARRIERS AND ENCLOSURES.
 - FURNITURE SHOWN IN LIGHT GRAY IN PLANS FOR REFERENCE ONLY. N.I.C.



1 MAIN LEVEL - FLOOR PLAN - BASE BID
1/4" = 1'-0"



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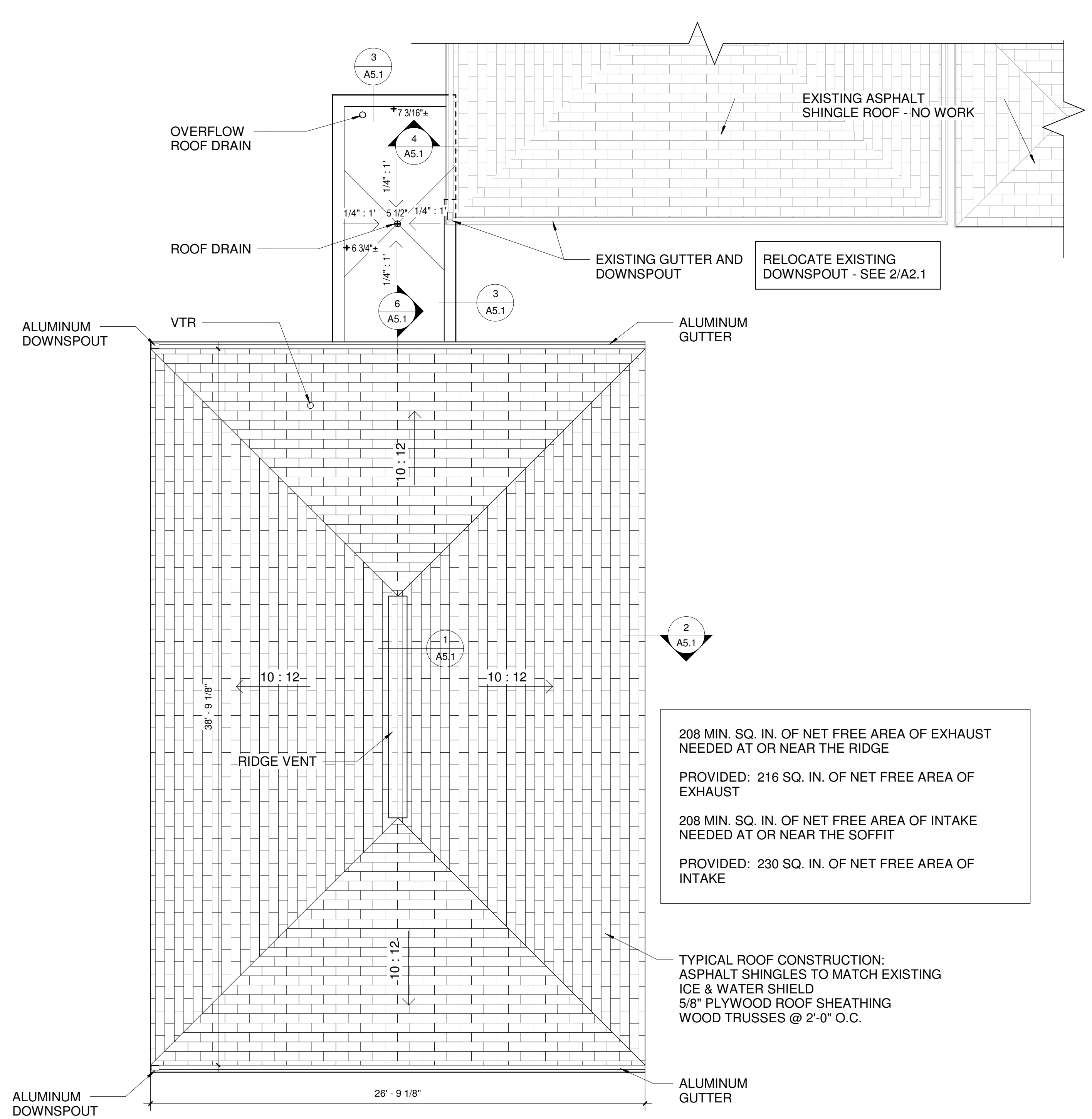
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IRONWOOD, MI
ROOF PLAN AND
REFLECTED CEILING PLAN

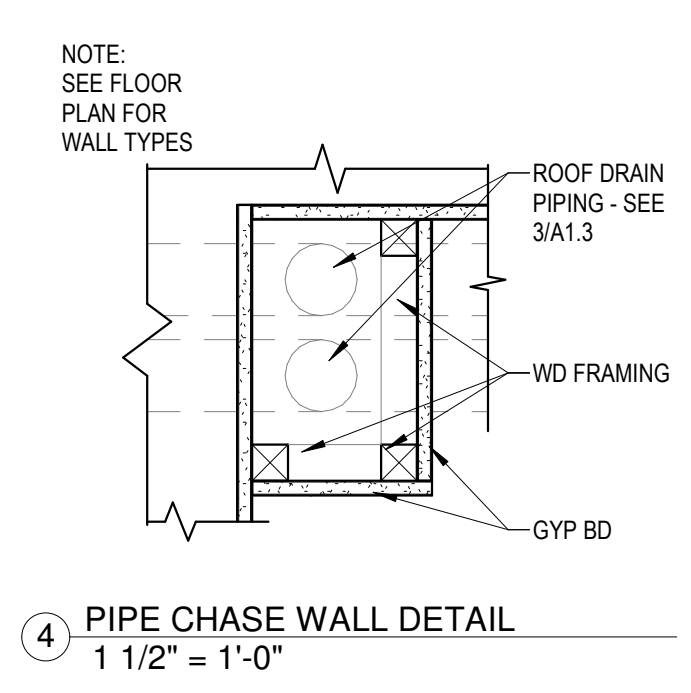
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A1.3



2 ROOF PLAN
1/4" = 1'-0"

1 REFLECTED CEILING PLAN
1/4" = 1'-0"



4 PIPE CHASE WALL DETAIL
1 1/2" = 1'-0"

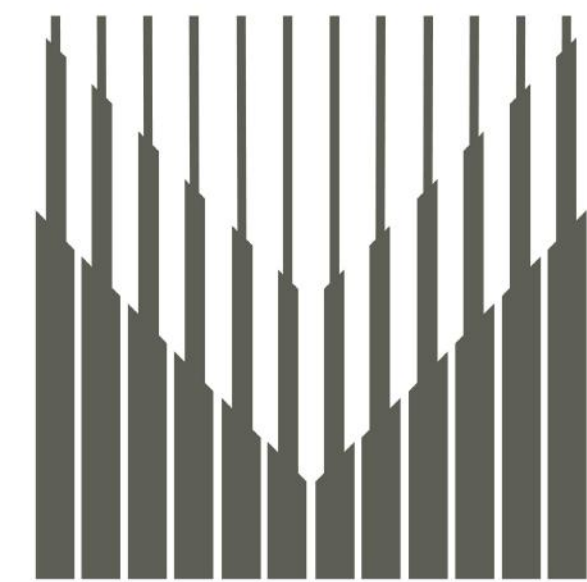
ROOF PLAN GENERAL NOTES

- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK OR ORDERING MATERIALS. DIMENSIONS ARE PLUS/MINUS.
- PROVIDE CRICKETS ON UP SLOPE OF ALL MECHANICAL UNITS, PENETRATIONS, ETC.
- LIMIT TRAFFIC OVER COMPLETED WORK. IF NECESSARY PROVIDE PROTECTION. PROTECTION SHALL INCLUDE: 1" RIGID INSULATION UNDER 3/4" PLYWOOD SHEATHING. CONTRACTOR SHALL REPAIR ANY PORTION OF ROOF DAMAGED DURING CONSTRUCTION AT NO COST TO OWNER.

- LIGHT FIXTURE LEGEND
- L1 PENDANT LIGHT FIXTURE
 - C2 FIXTURE TYPE 2
 - L3 FIXTURE TYPE 3
 - L4 CAN LIGHT W/ DIMMER

- ROOM FINISH LEGEND
- | | |
|--|---------------------|
| WALL FINISHES | CEILING |
| PT1 PAINT | C1 GYPSUM - PAINTED |
| WALL BASE | C2 2X2 ACT |
| VB 6" VINYL WALL BASE | |
| FLOOR | |
| CPT CARPET TILE, 24"x24" MOHAWK 977 IRON INDEX | |
| TL1 CERAMIC TILE, 24"x24" DAL TILE SLATE ATTACHE META LIGHT GRAY | |
| TL2 CERAMIC TILE, 12"x24" RUNNING BOND SLATE ATTACHE META WHITE | |
| TL3 CERAMIC TILE, 2"x2" MOSAIC GRID SLATE ATTACHE META WHITE | |

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IRONWOOD CARNEGIE LIBRARY

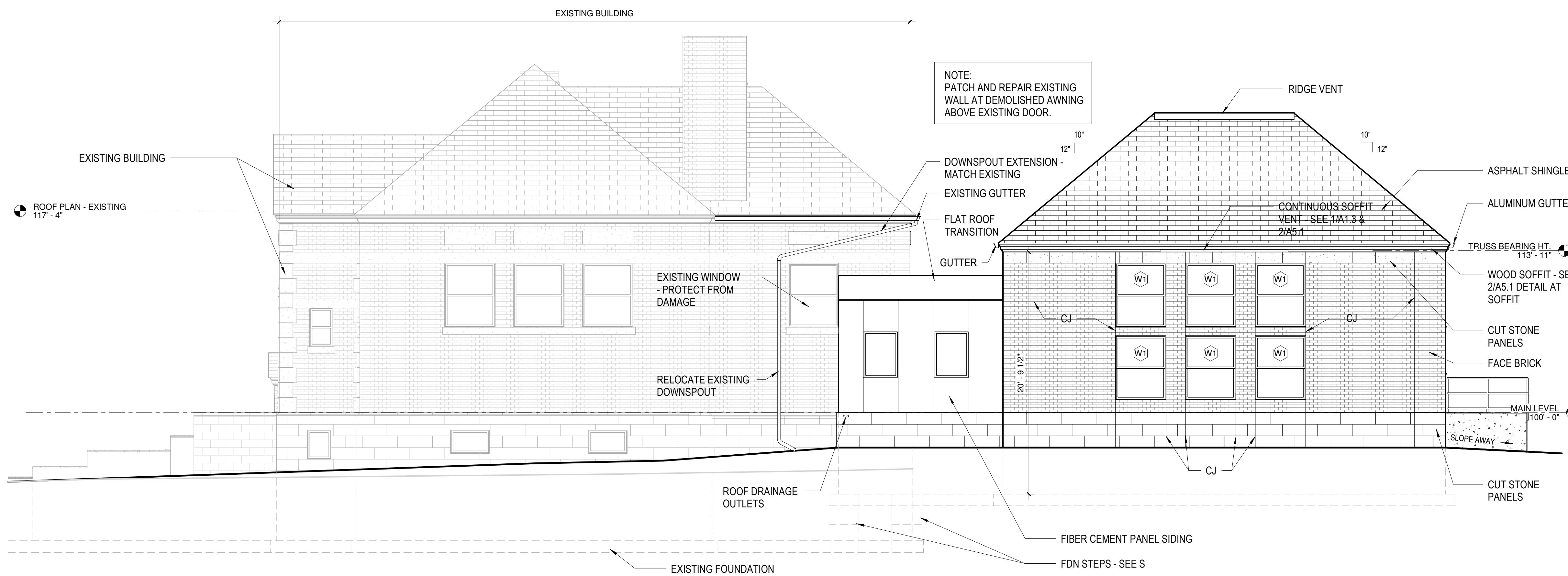
IRONWOOD, MI
EXTERIOR ELEVATIONS

PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF
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A2.1



1 ELEVATION - SOUTH
3/16" = 1'-0"



2 ELEVATION - WEST
3/16" = 1'-0"

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No.	Description	Date

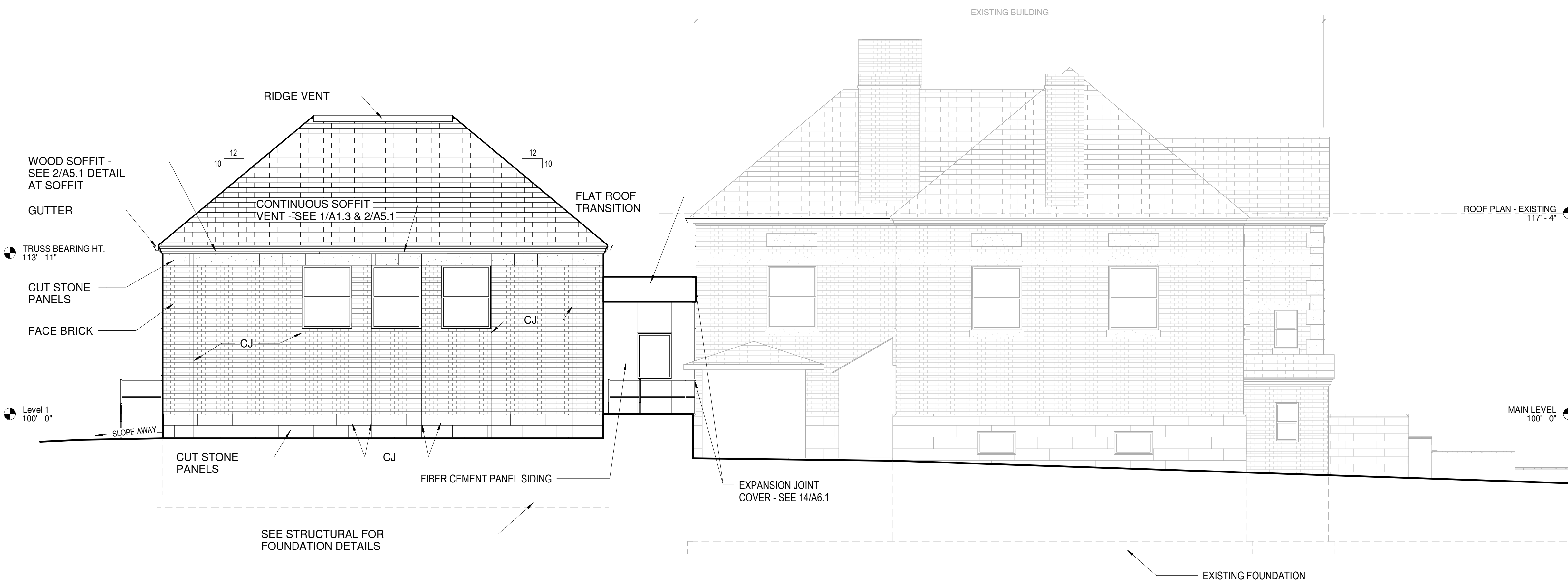
IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
EXTERIOR ELEVATIONS

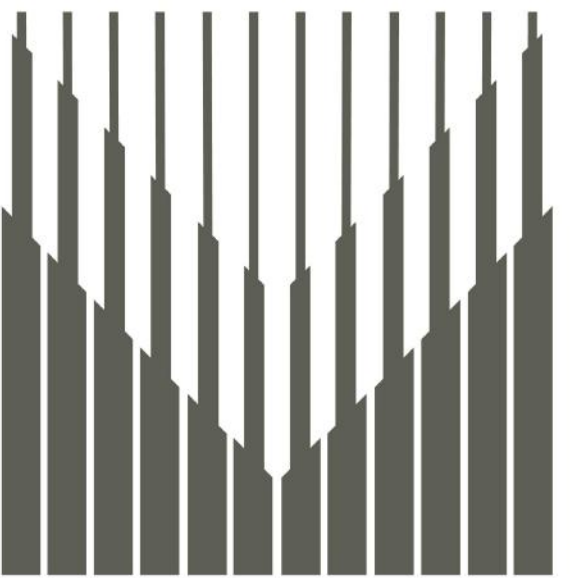
PROJECT NUMBER 24-022
DATE 9-17-2024
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① ELEVATION - NORTH
3/16" = 1'-0"



② ELEVATION - EAST
3/16" = 1'-0"



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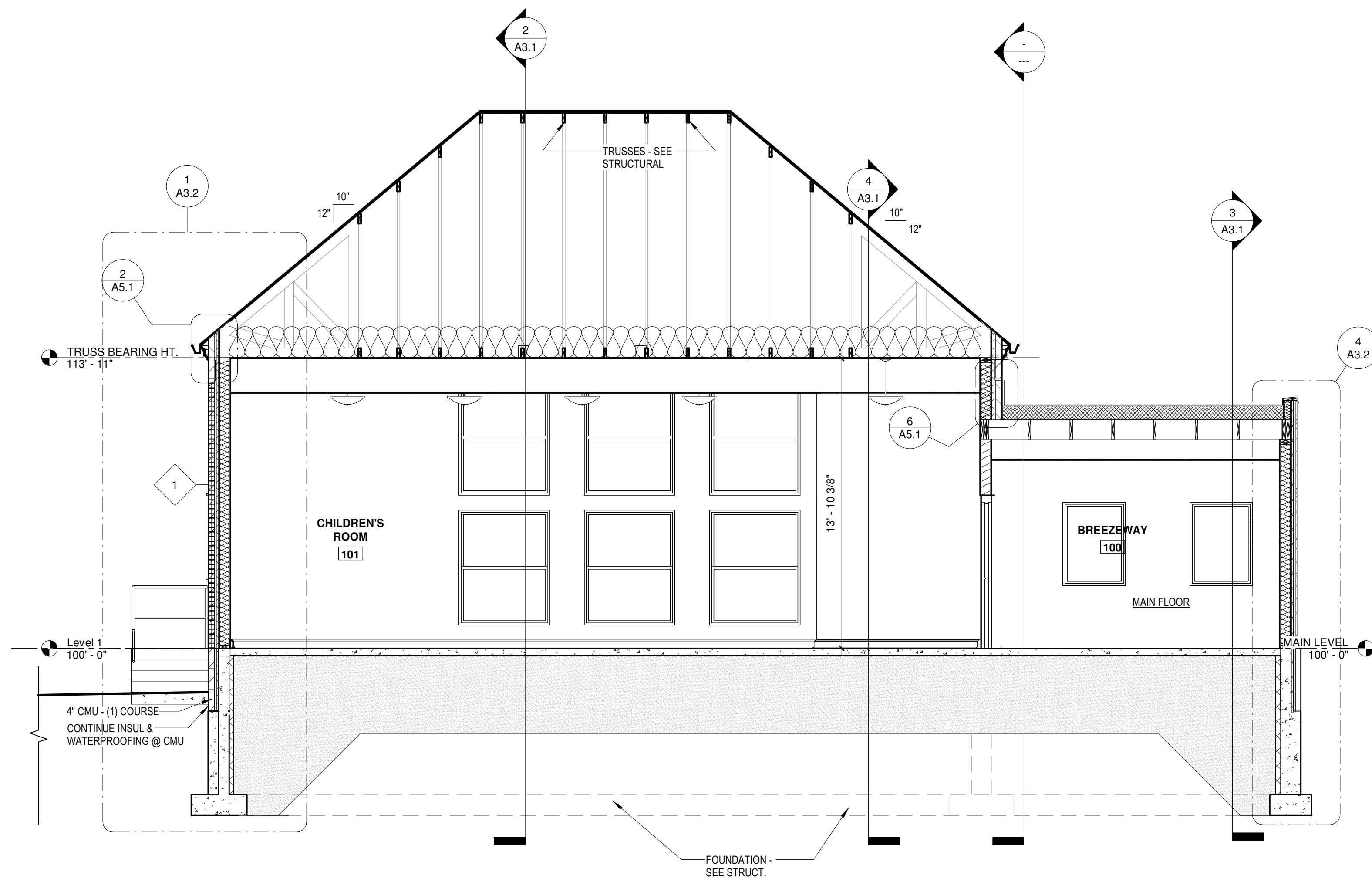
No.	Description	Date

**IRONWOOD CARNEGIE
LIBRARY**

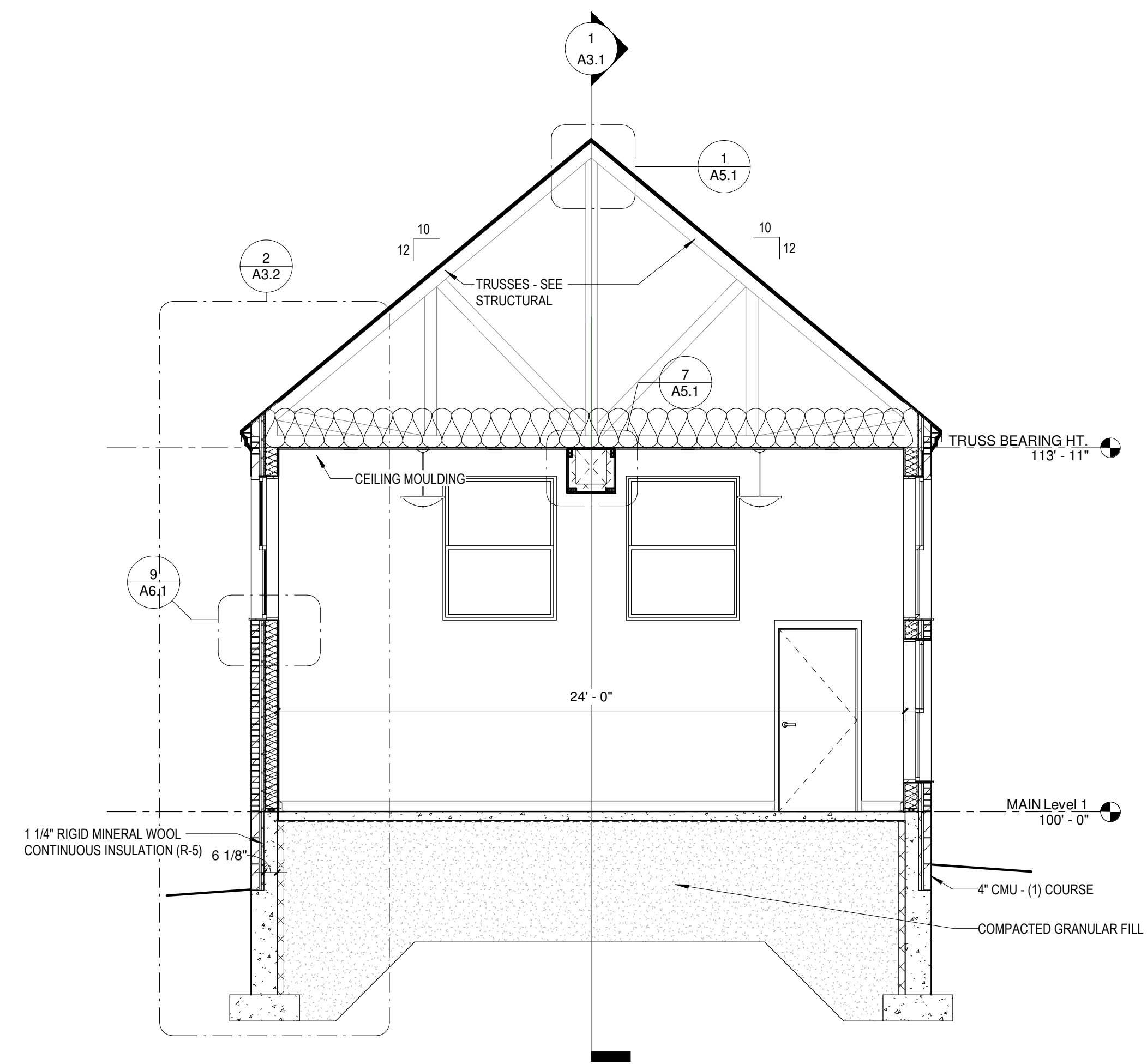
**IRONWOOD, MI
BUILDING SECTIONS**

PROJECT NUMBER 24-022
DATE 9-17-2024
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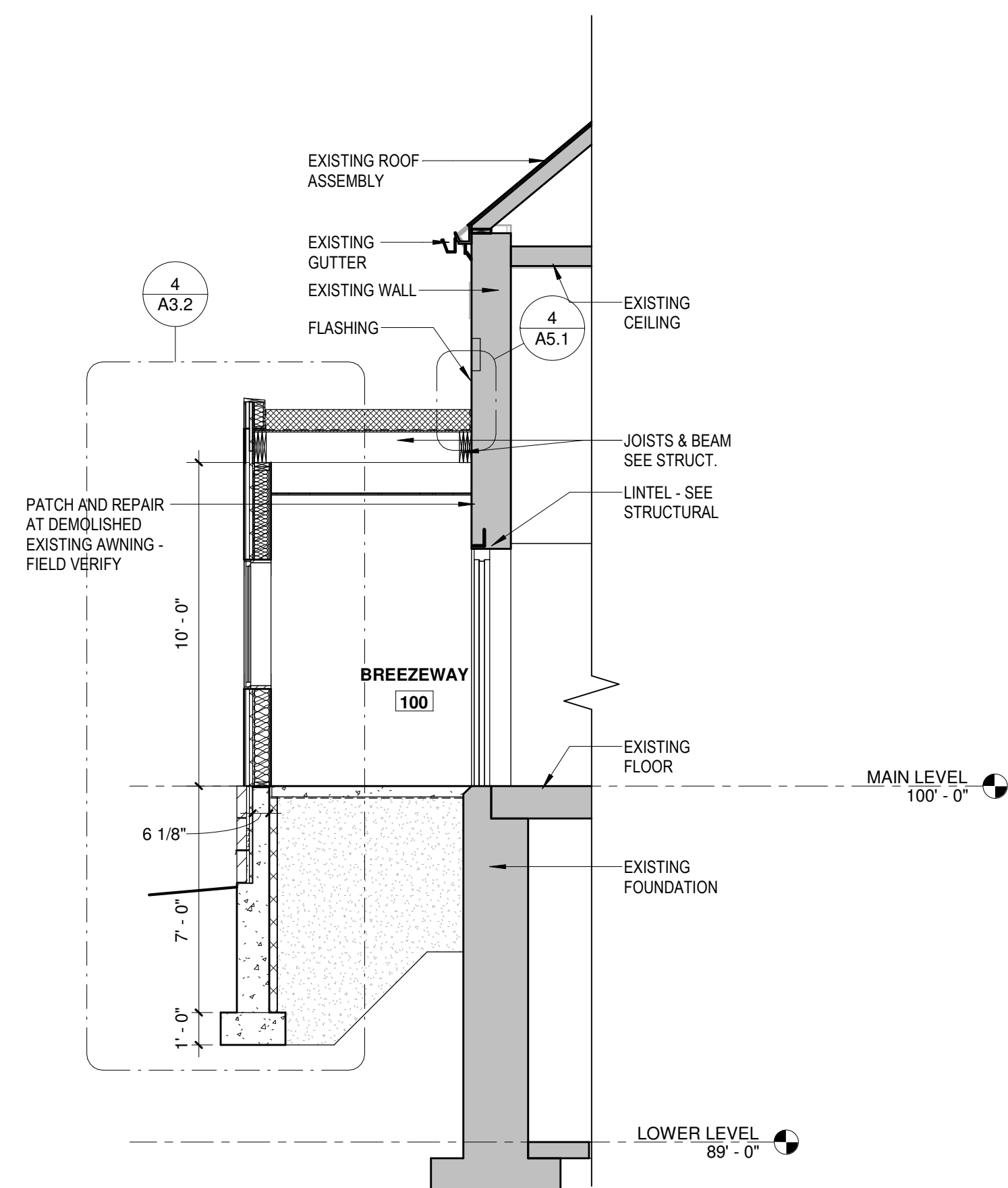
A3.1



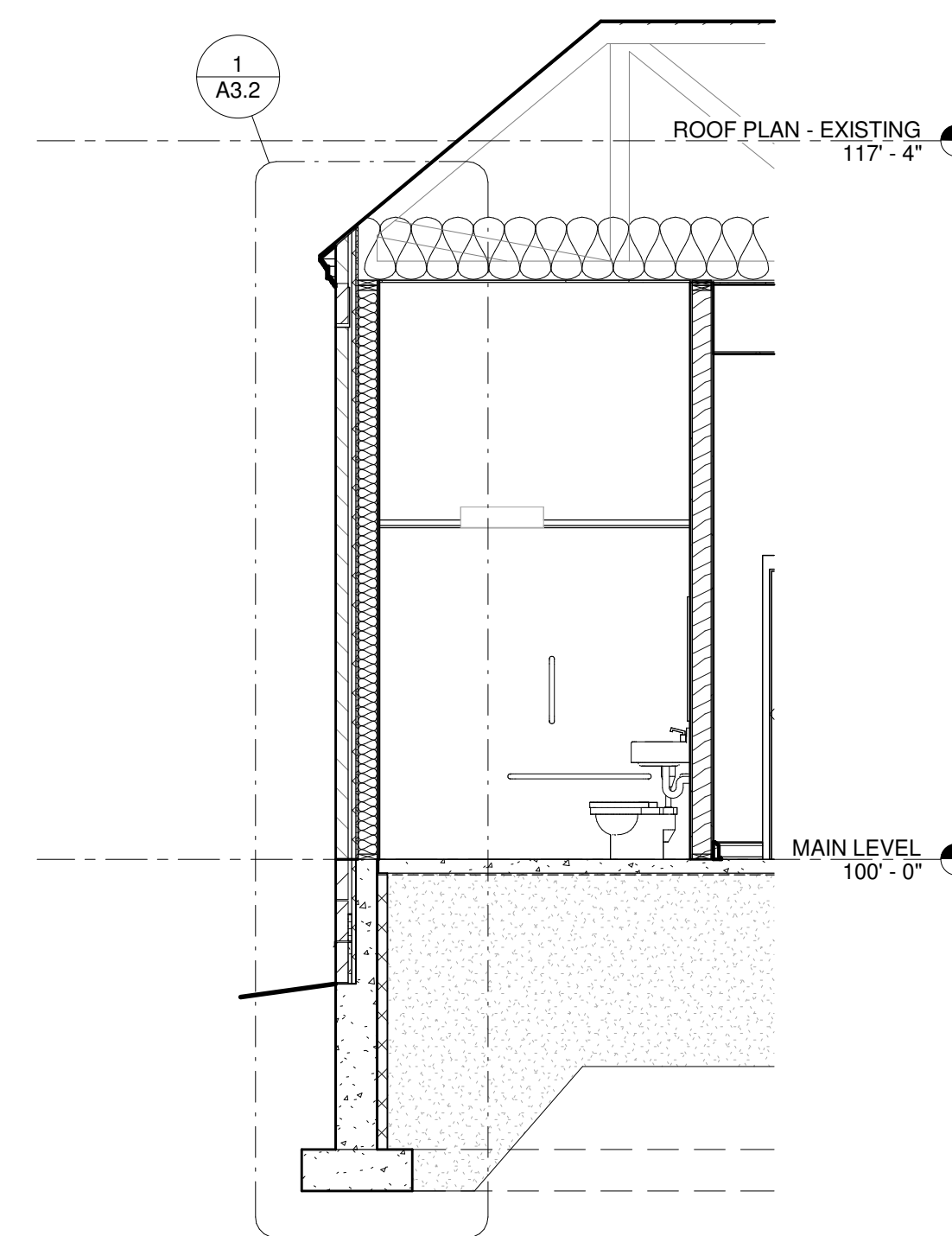
1 BUILDING SECTION - NORTH TO SOUTH
1/4" = 1'-0"



2 BUILDING SECTION - EAST TO WEST
1/4" = 1'-0"

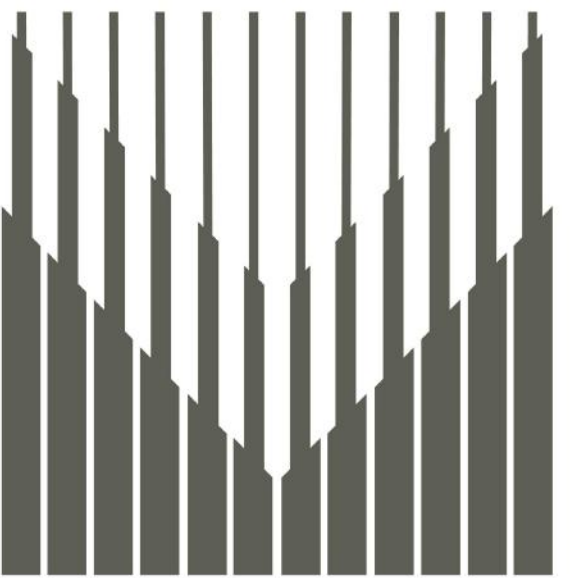


3 SECTION THRU BREEZEWAY
1/4" = 1'-0"



4 SECTION THRU TOILET ROOM
1/4" = 1'-0"

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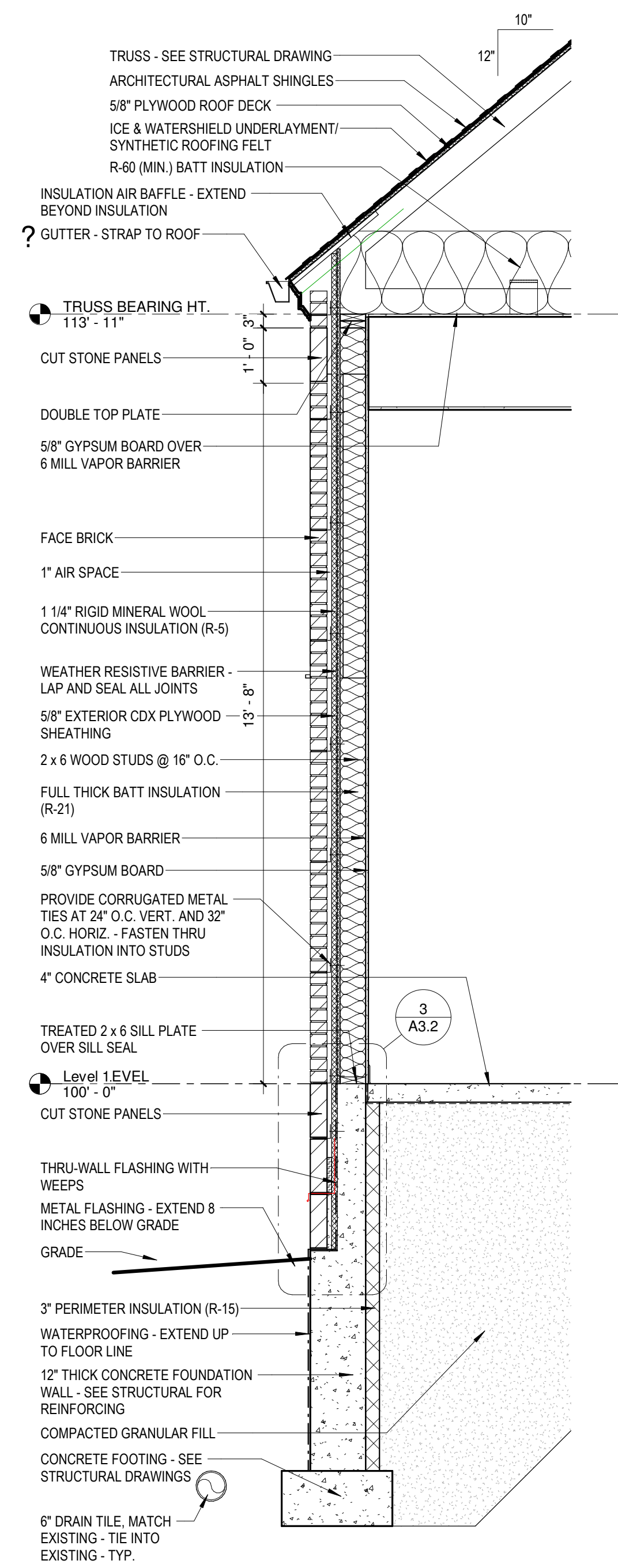
No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

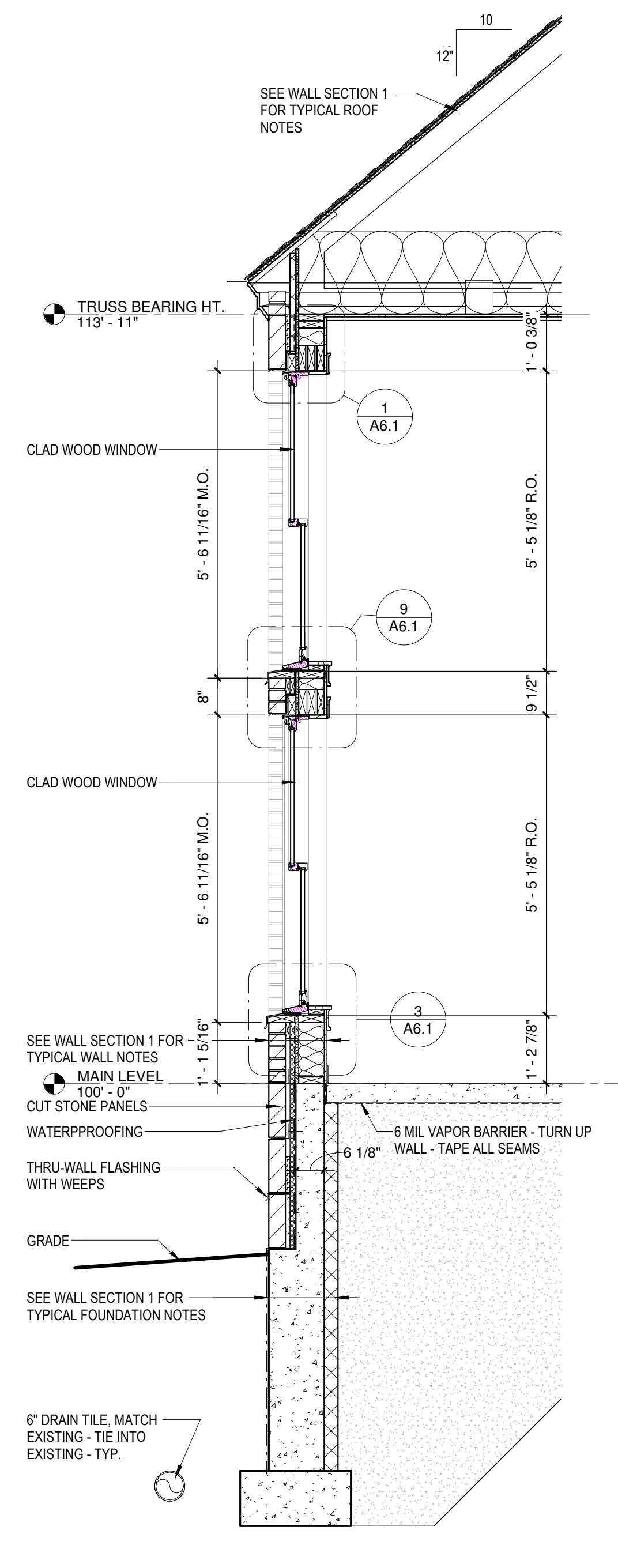
IRONWOOD, MI WALL SECTIONS

PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF, MRH
CHECKED BY TLM

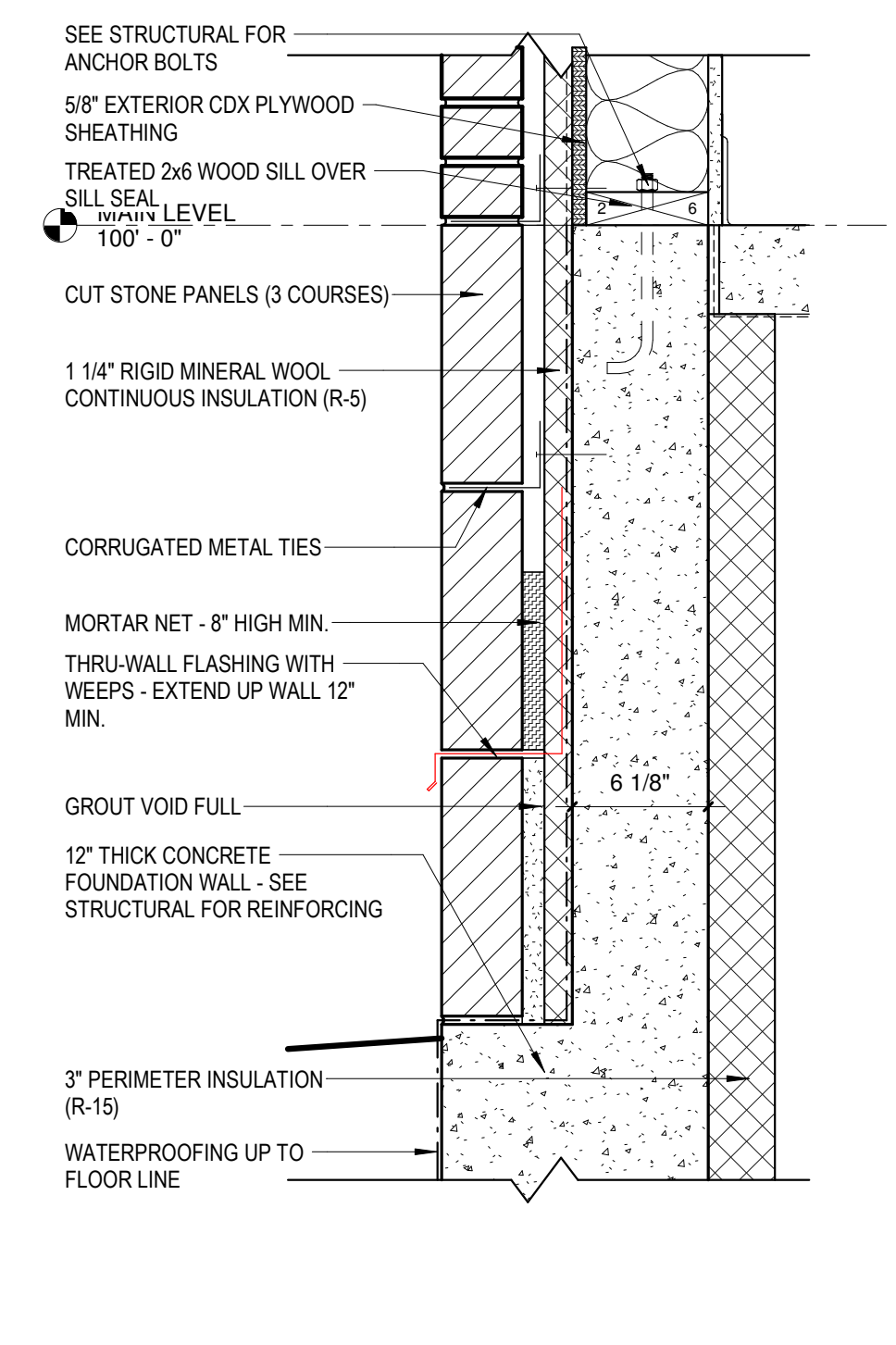
A3.2



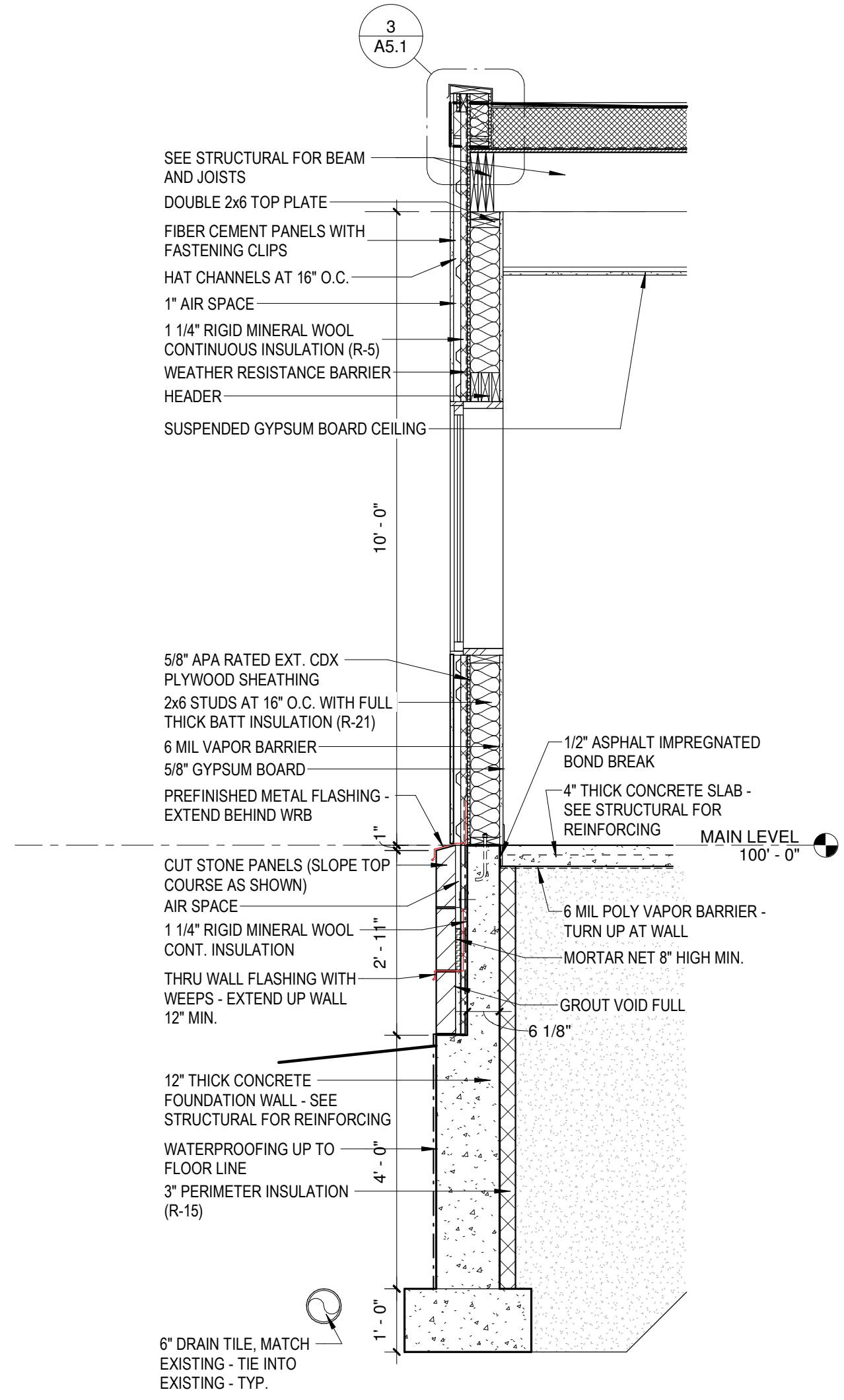
1 WALL SECTION
1/2" = 1'-0"



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



3 TYPICAL WALL DETAIL AT FOUNDATION
1 1/2" = 1'-0"

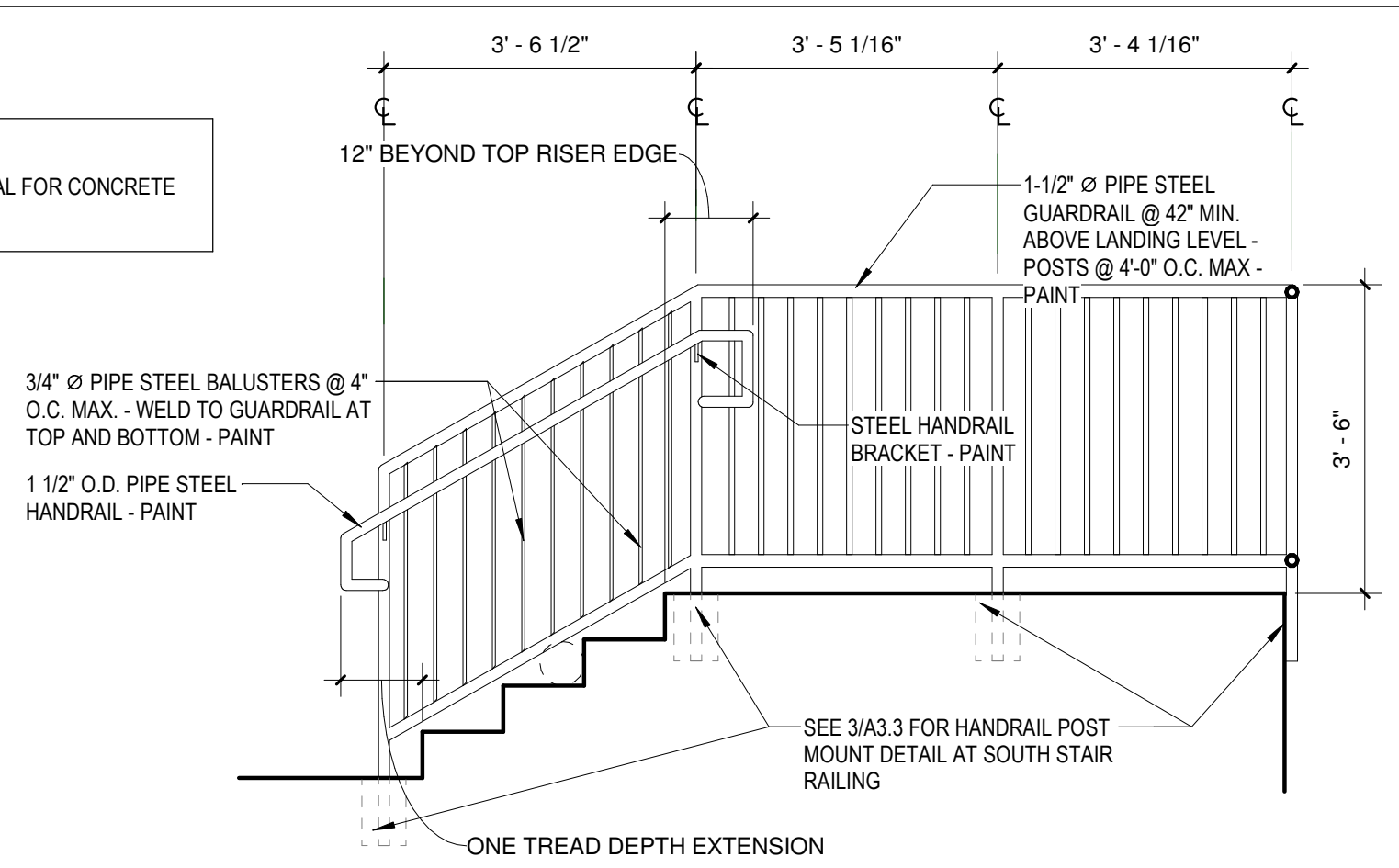


4 WALL SECTION AT BREEZEWAY
1/2" = 1'-0"

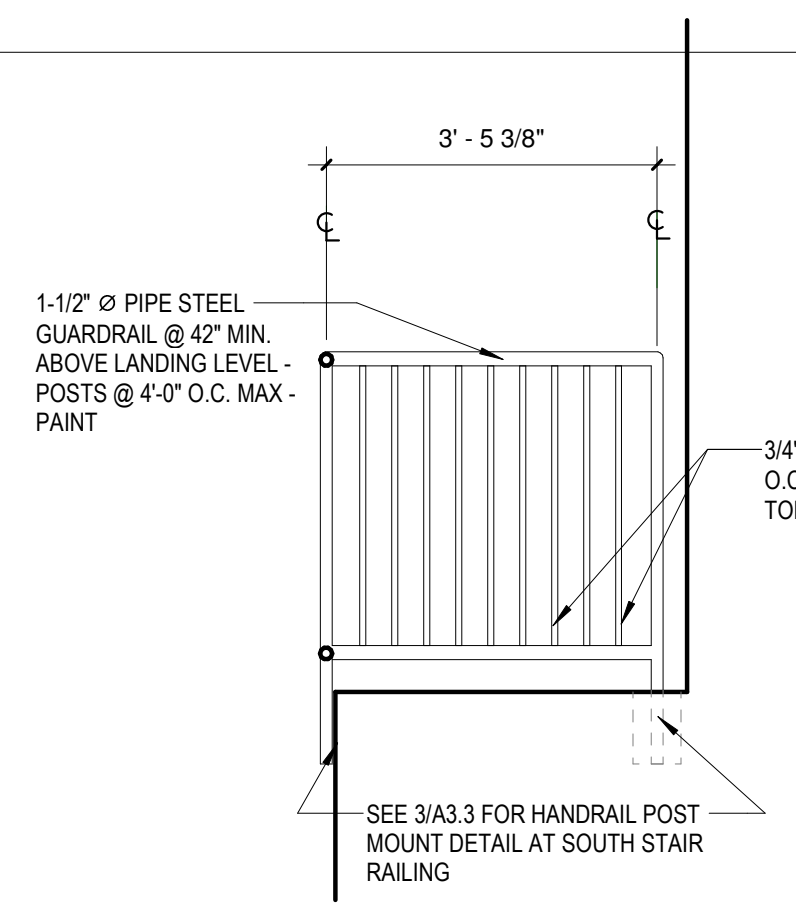
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NOTE:
SEE STRUCTURAL FOR CONCRETE STAIRS.

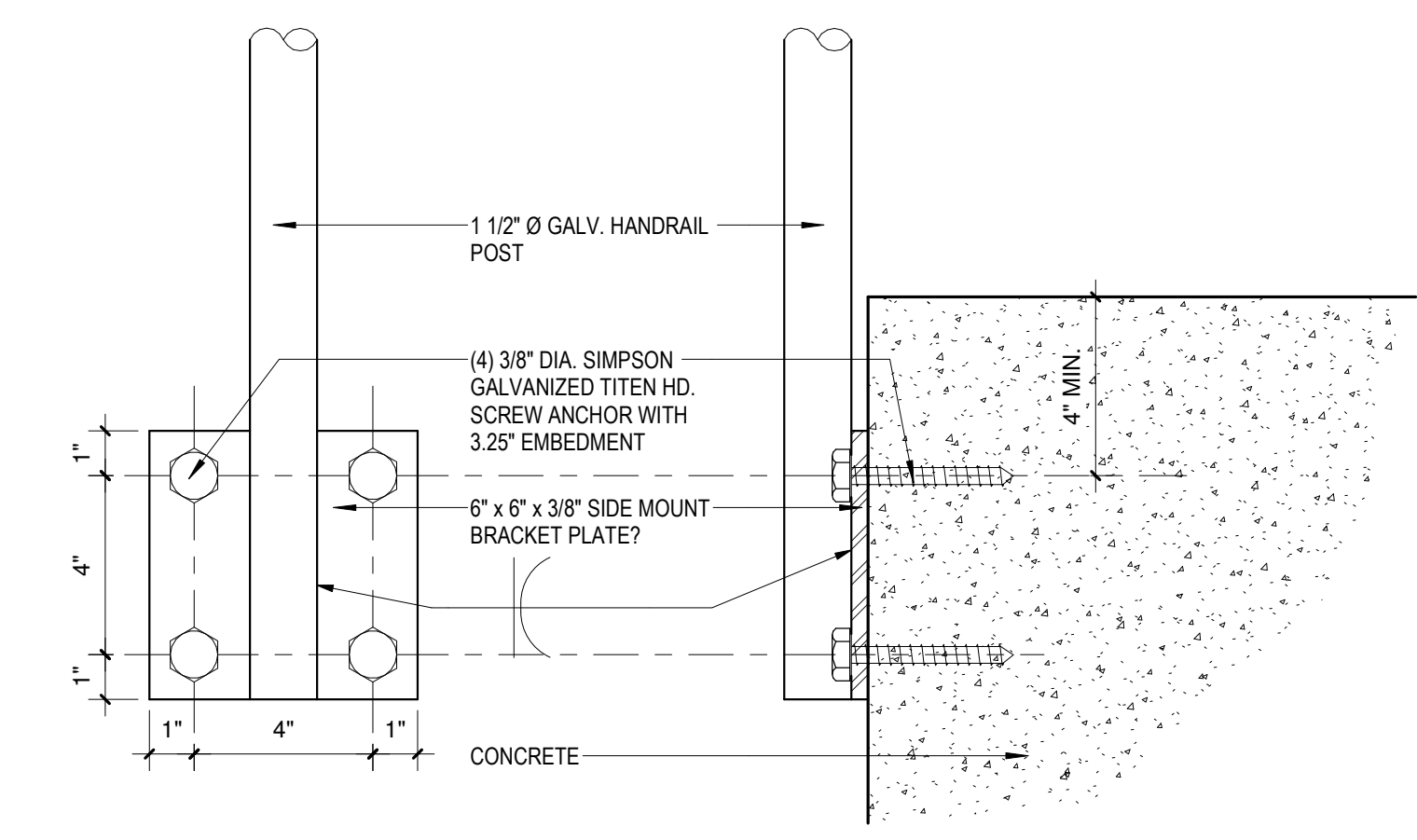
- HANDRAIL AND RAMP GENERAL NOTES:**
1. PROVIDE EXPANSION JOINT SPLICE FOR RAILINGS AS NECESSARY.
 2. HANDRAIL EXTENSIONS MUST EXTEND BEYOND THE TOP AND BOTTOM OF RAMP RUN AS INDICATED IN THE MI ACCESSIBILITY CODE (TYPICAL).
 3. SEE SHEET (A3.3) FOR ADDITIONAL DIMENSIONS BETWEEN BALUSTERS.
 4. METAL FABRICATOR TO PROVIDE SHOP DRAWINGS AND NOTIFY ARCH. OF ANY CONFLICTS WITH THESE DETAILS.
 5. ALL EXPOSED STEEL SHALL HAVE WELDS GROUND SMOOTH - PRIME & PAINT.
 6. STEEL NOT EXPOSED MAY BE RAW.



② ELEVATION - STAIR RAILING
1/2" = 1'-0"



④ ELEVATION - STAIR RAILING AT LANDING
1/2" = 1'-0"



③ HANDRAIL POST MOUNT DETAIL
3" = 1'-0"



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No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
STAIR RAILING AND
DETAILS

PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF
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A3.3

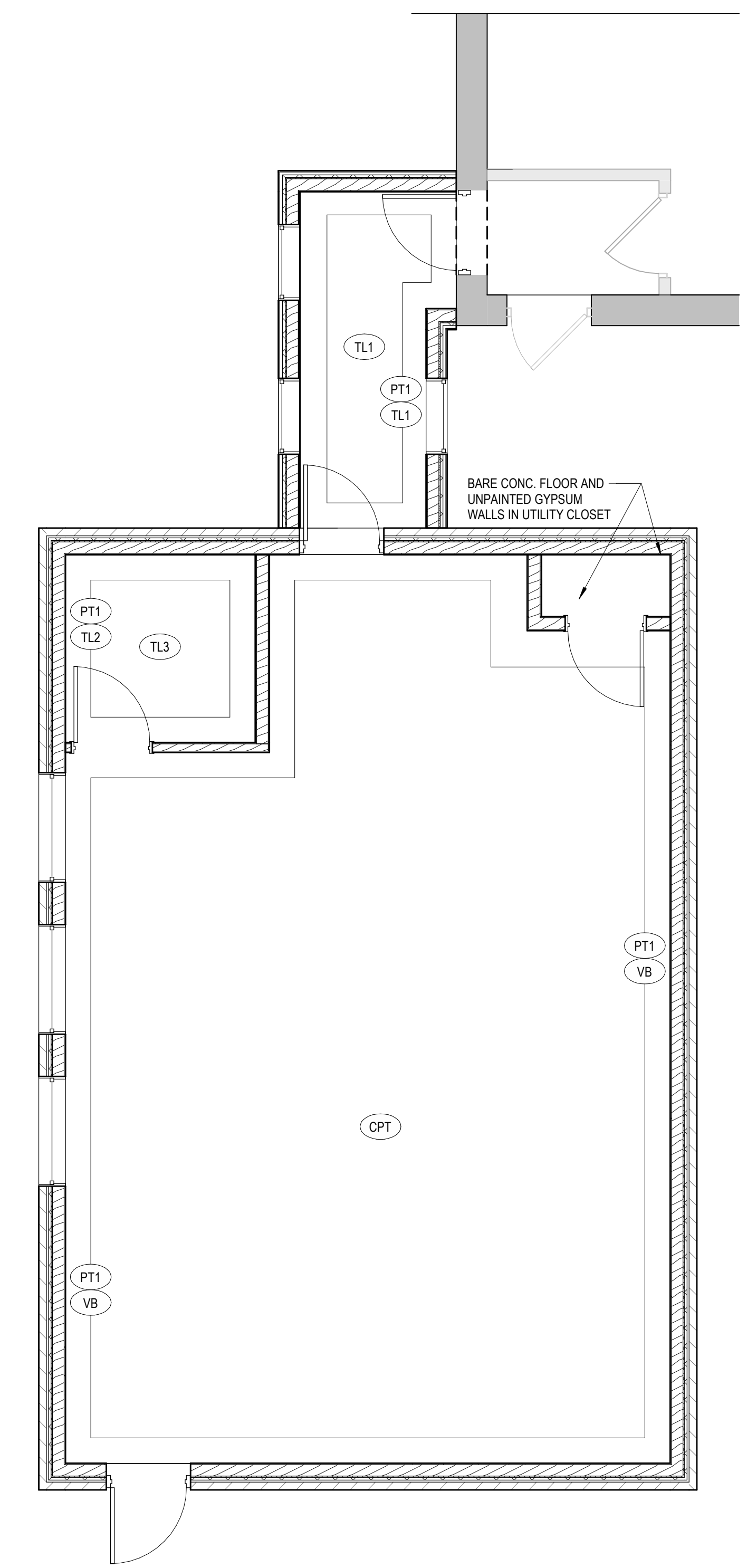
REVISIONS

No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
INTERIOR ELEVATIONS

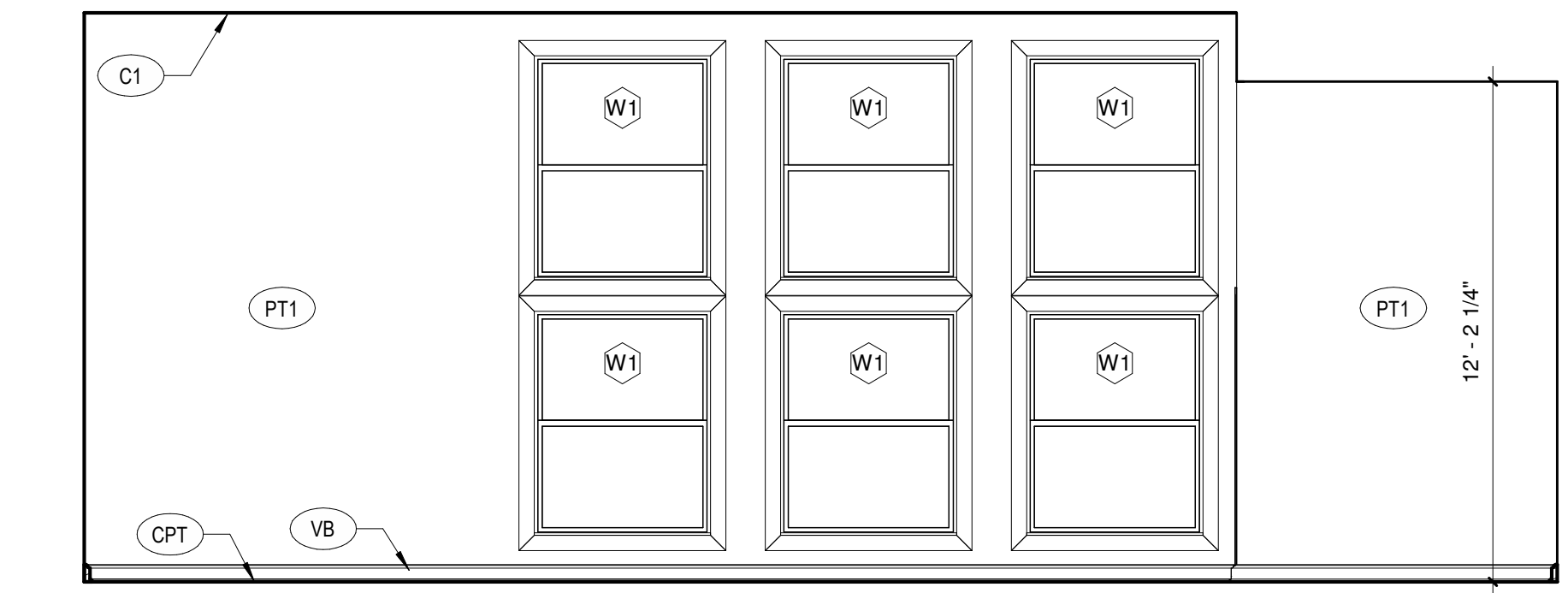
PROJECT NUMBER 24-022
DATE 9-17-2024
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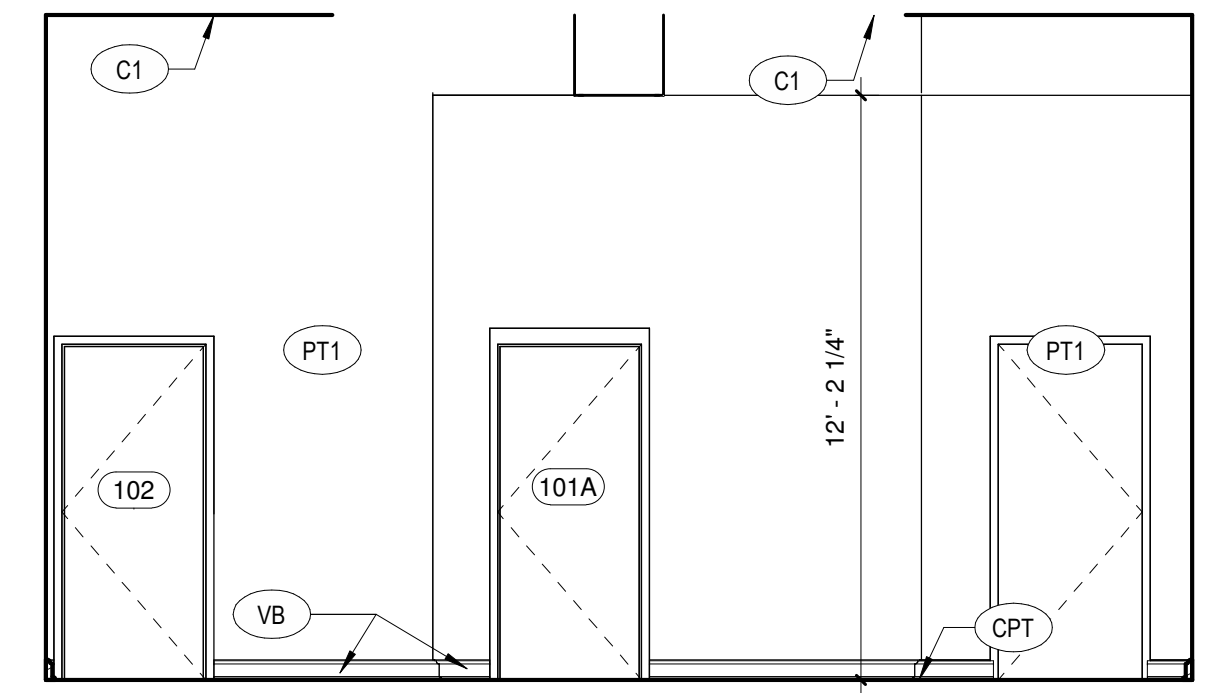
14 ROOM FINISH PLAN
1/4" = 1'-0"

ROOM FINISH LEGEND

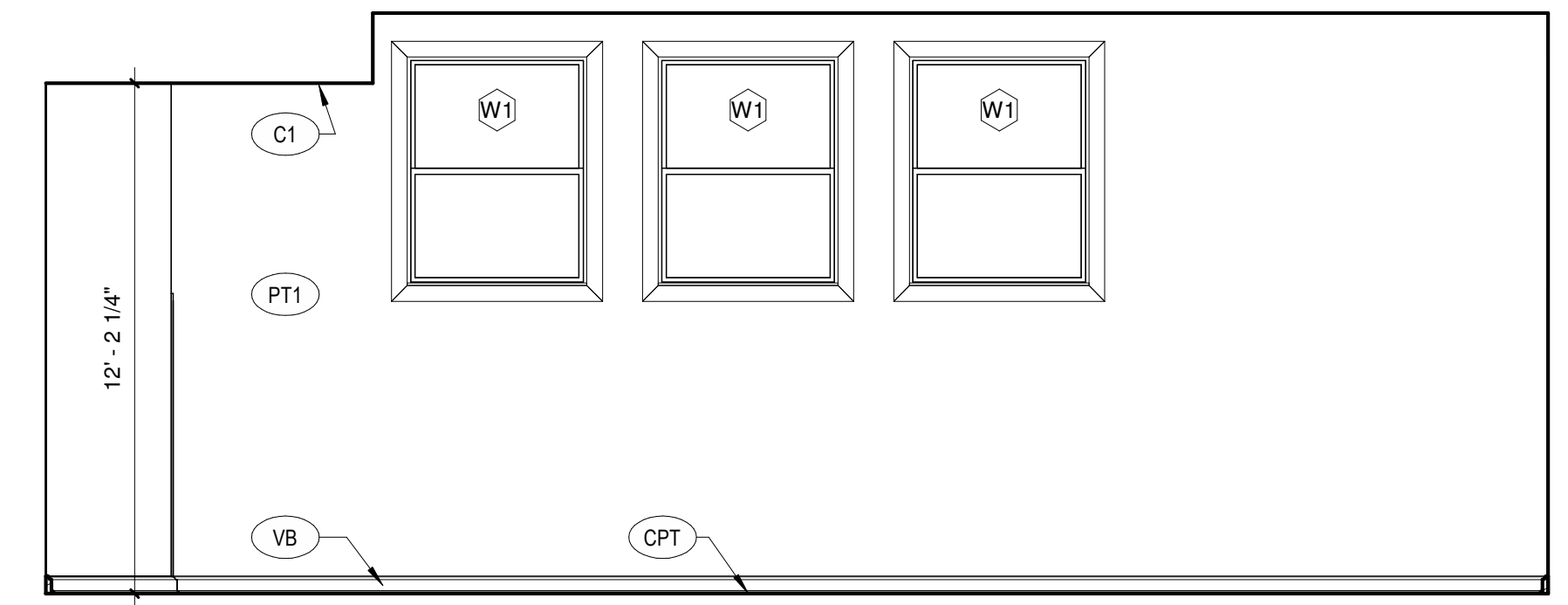
WALL FINISHES	CEILING
(PT1) PAINT	(C1) GYPSUM - PAINTED
(VB) 6" VINYL WALL BASE	(C2) 2X2 ACT
WALL BASE	
FLOOR	
(CPT) CARPET TILE, 24"x24" MOHAWK 977 IRON INDEX	
(TL1) CERAMIC TILE, 24"x24" DAL TILE SLATE ATTACHE META LIGHT GRAY	
(TL2) CERAMIC TILE, 12"x24" RUNNING BOND SLATE ATTACHE META WHITE	
(TL3) CERAMIC TILE, 2"x2" MOSAIC GRID SLATE ATTACHE META WHITE	



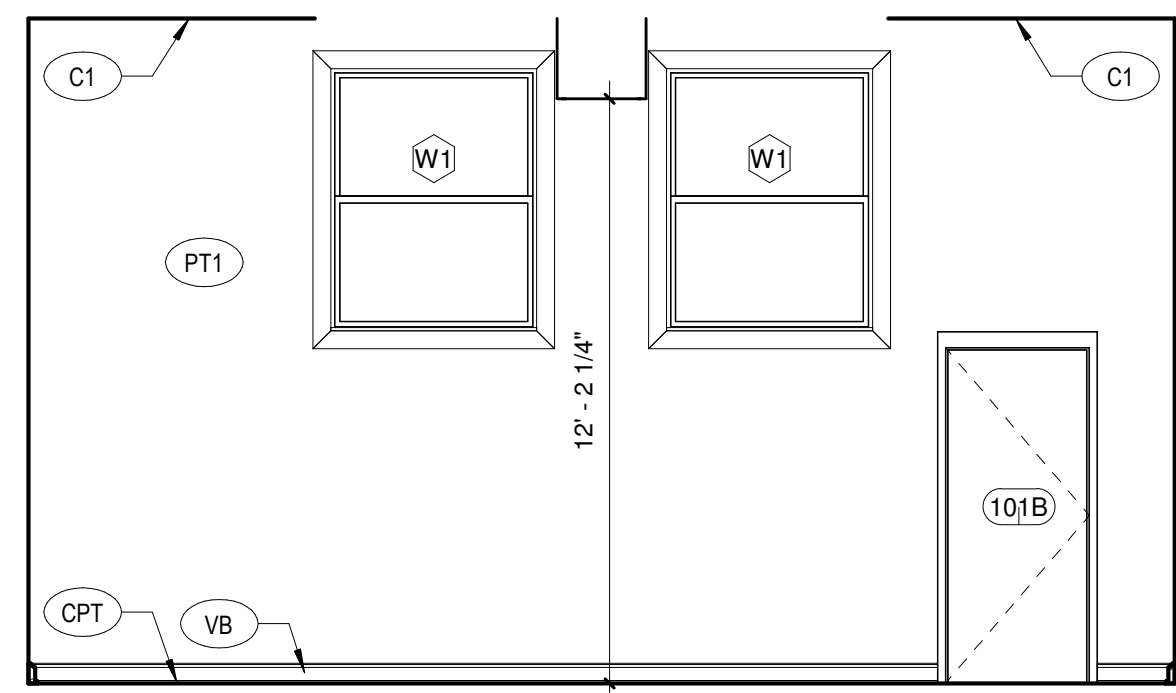
1 INTERIOR ELEVATION - WEST
1/4" = 1'-0"



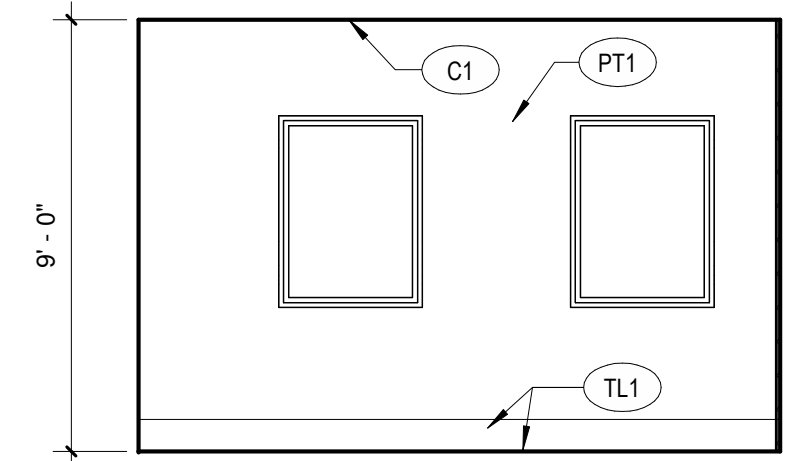
2 INTERIOR ELEVATION - NORTH
1/4" = 1'-0"



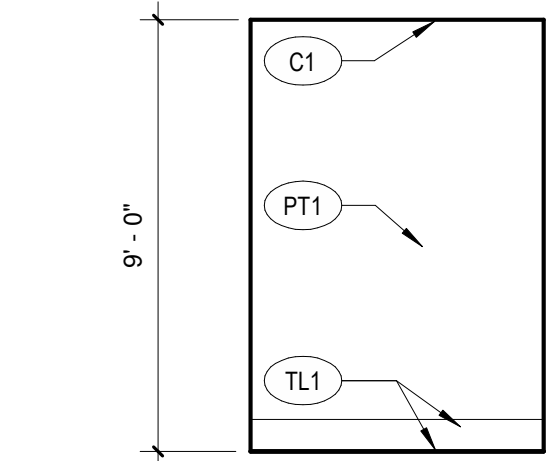
3 INTERIOR ELEVATION - EAST
1/4" = 1'-0"



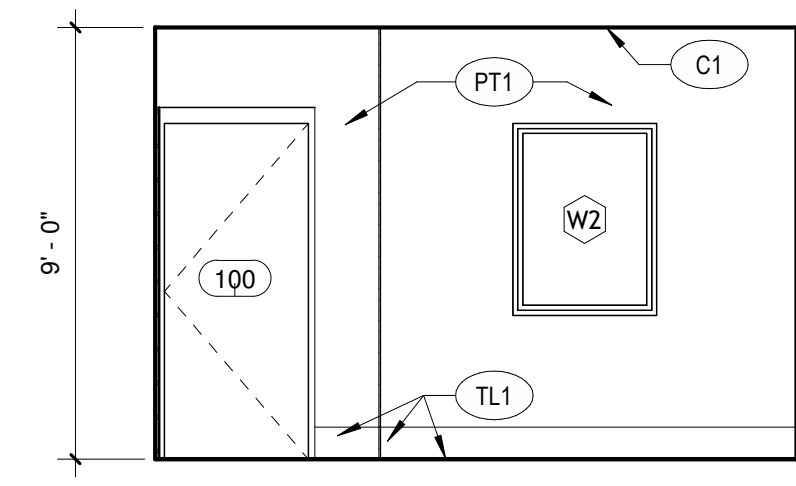
4 INTERIOR ELEVATION - SOUTH
1/4" = 1'-0"



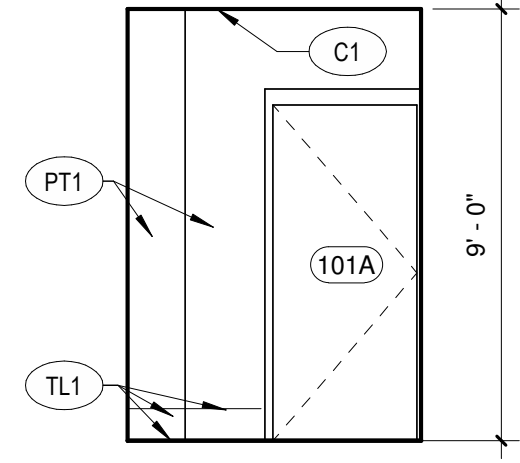
5 INTERIOR ELEVATION - BREEZEWAY WEST
1/4" = 1'-0"



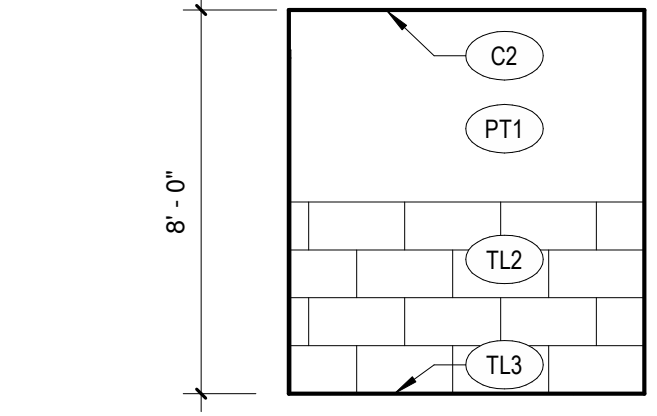
6 INTERIOR ELEVATION - BREEZEWAY NORTH
1/4" = 1'-0"



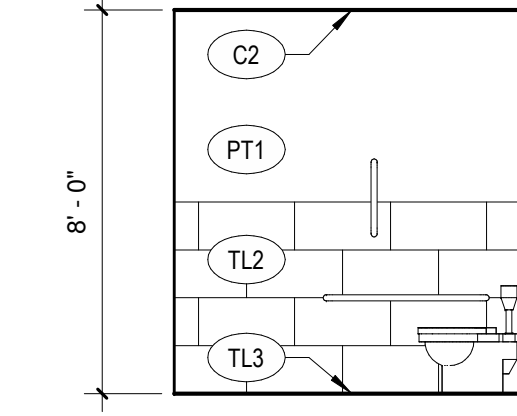
7 INTERIOR ELEVATION - BREEZEWAY EAST
1/4" = 1'-0"



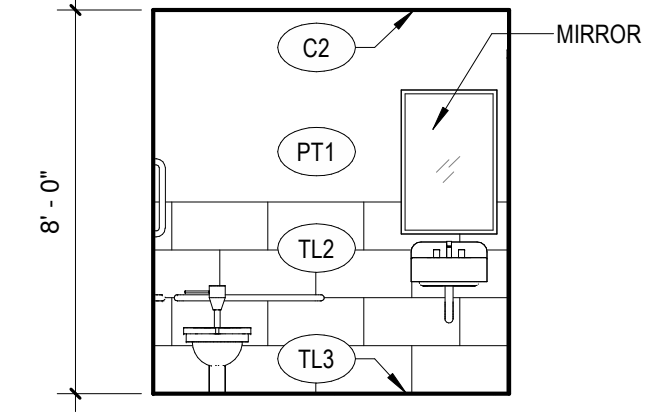
8 INTERIOR ELEVATION - BREEZEWAY SOUTH
1/4" = 1'-0"



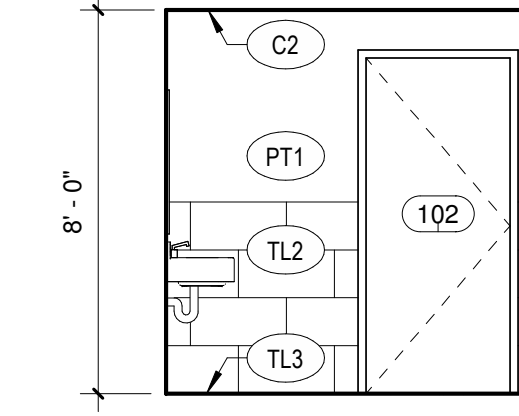
10 INTERIOR ELEVATION - TOILET ROOM - WEST
1/4" = 1'-0"



11 INTERIOR ELEVATION - TOILET ROOM - NORTH
1/4" = 1'-0"

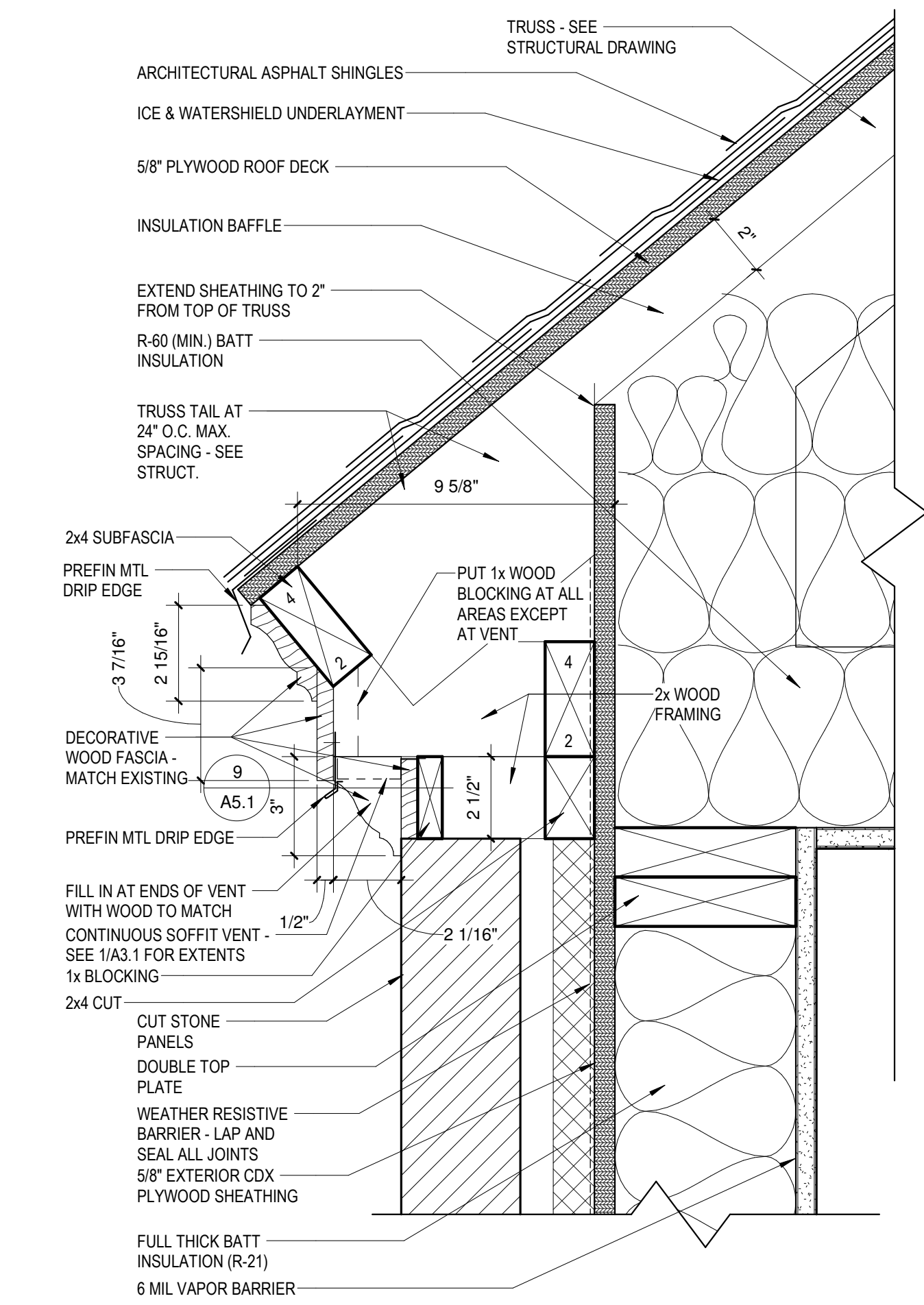


12 INTERIOR ELEVATION - TOILET ROOM - EAST
1/4" = 1'-0"

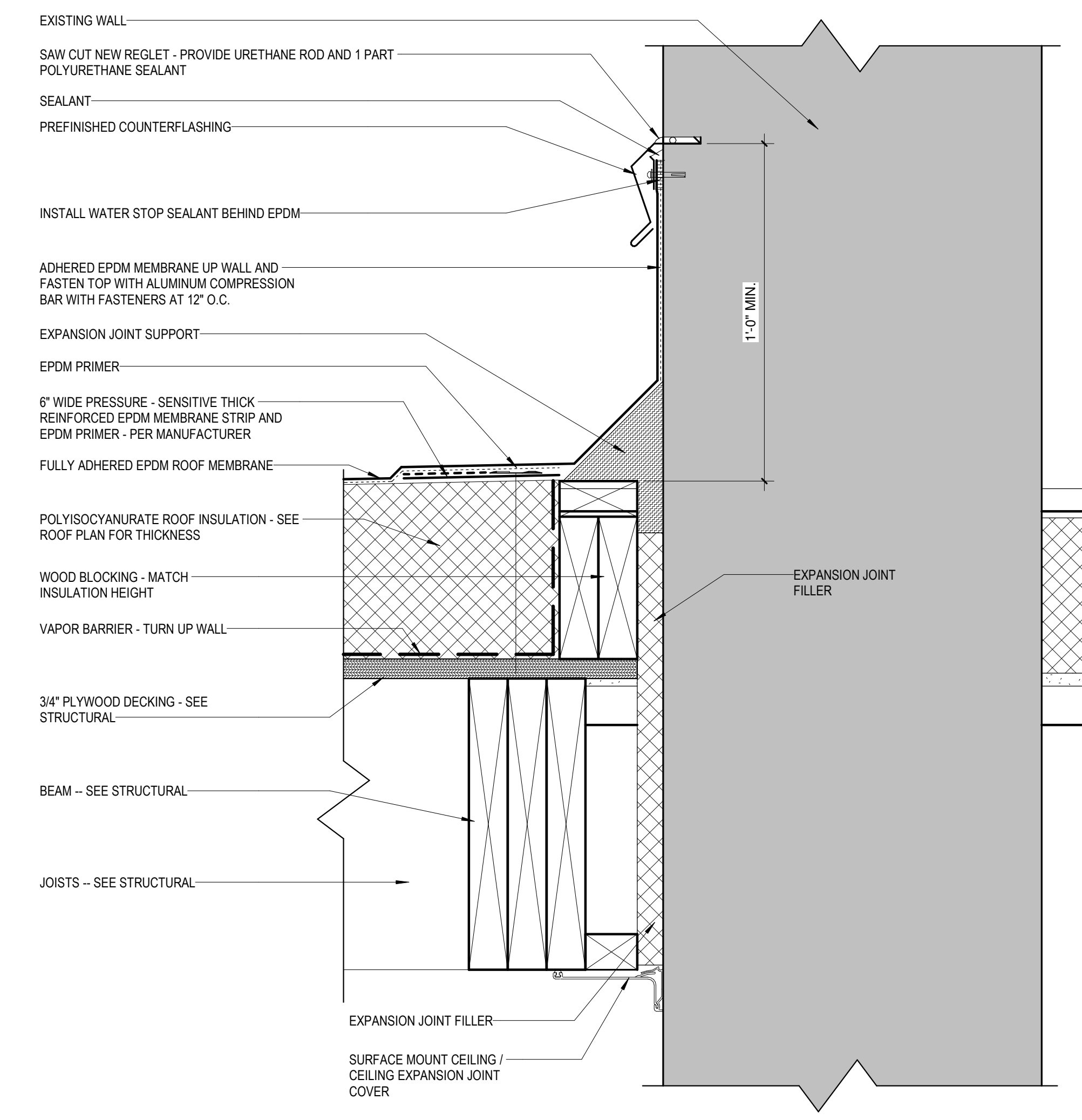


13 INTERIOR ELEVATION - TOILET ROOM - SOUTH
1/4" = 1'-0"

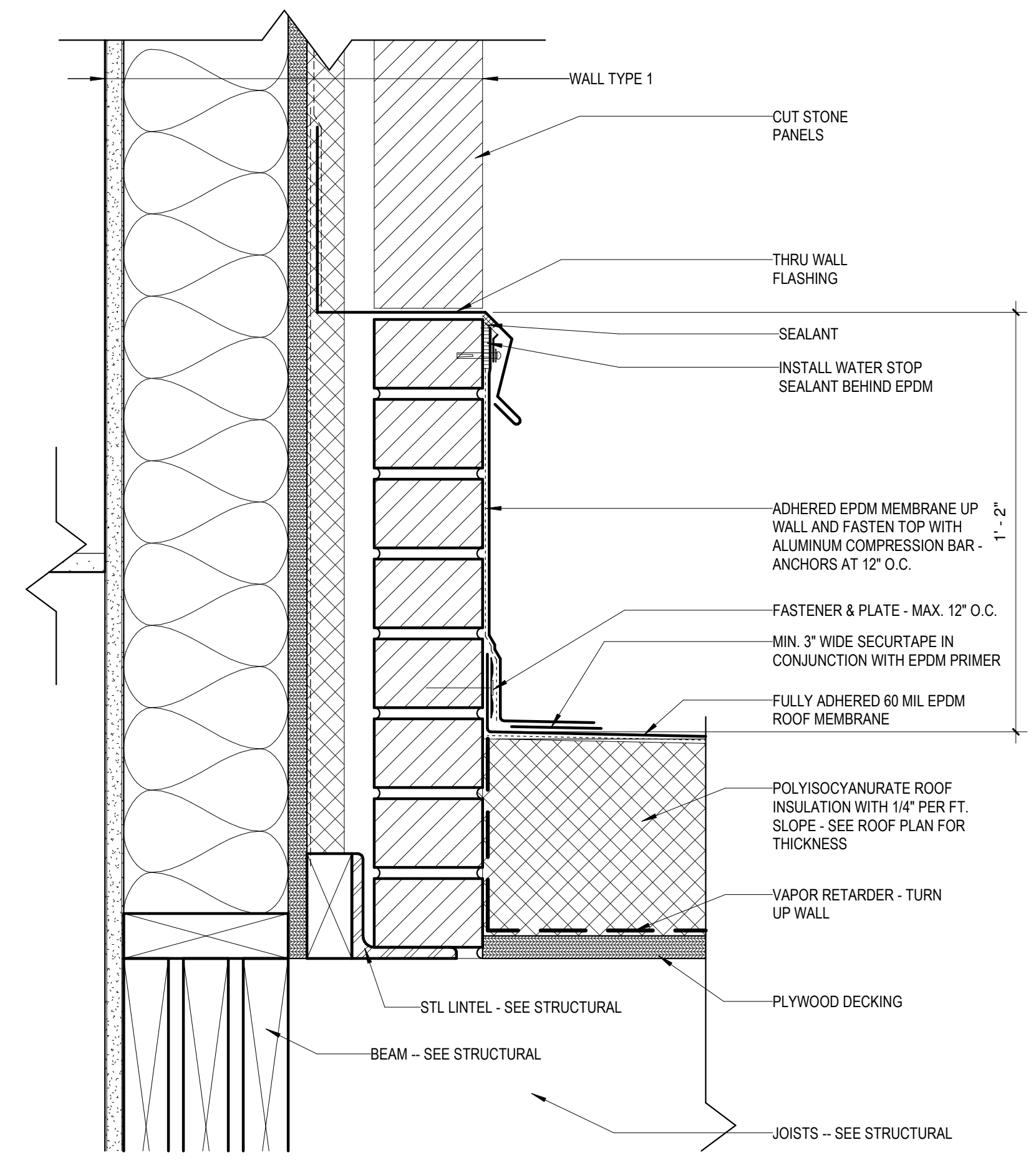
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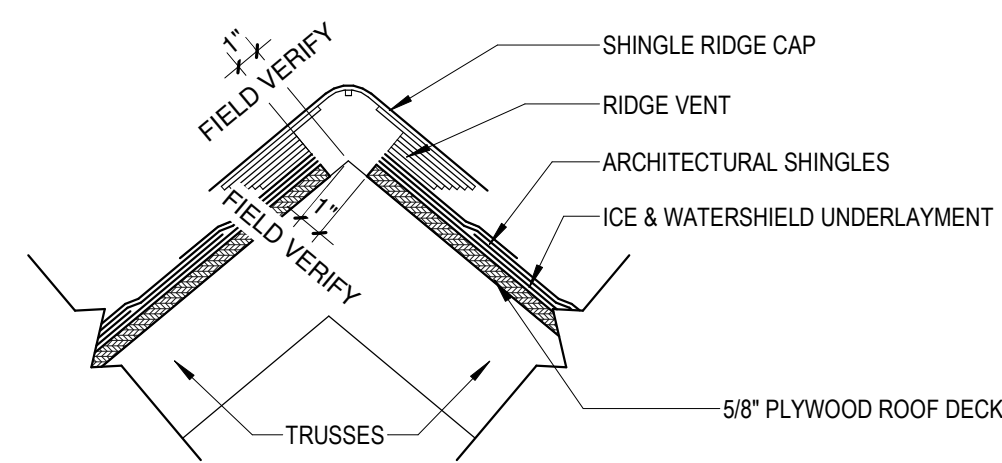
2 DETAIL AT SOFFIT
3" = 1'-0"



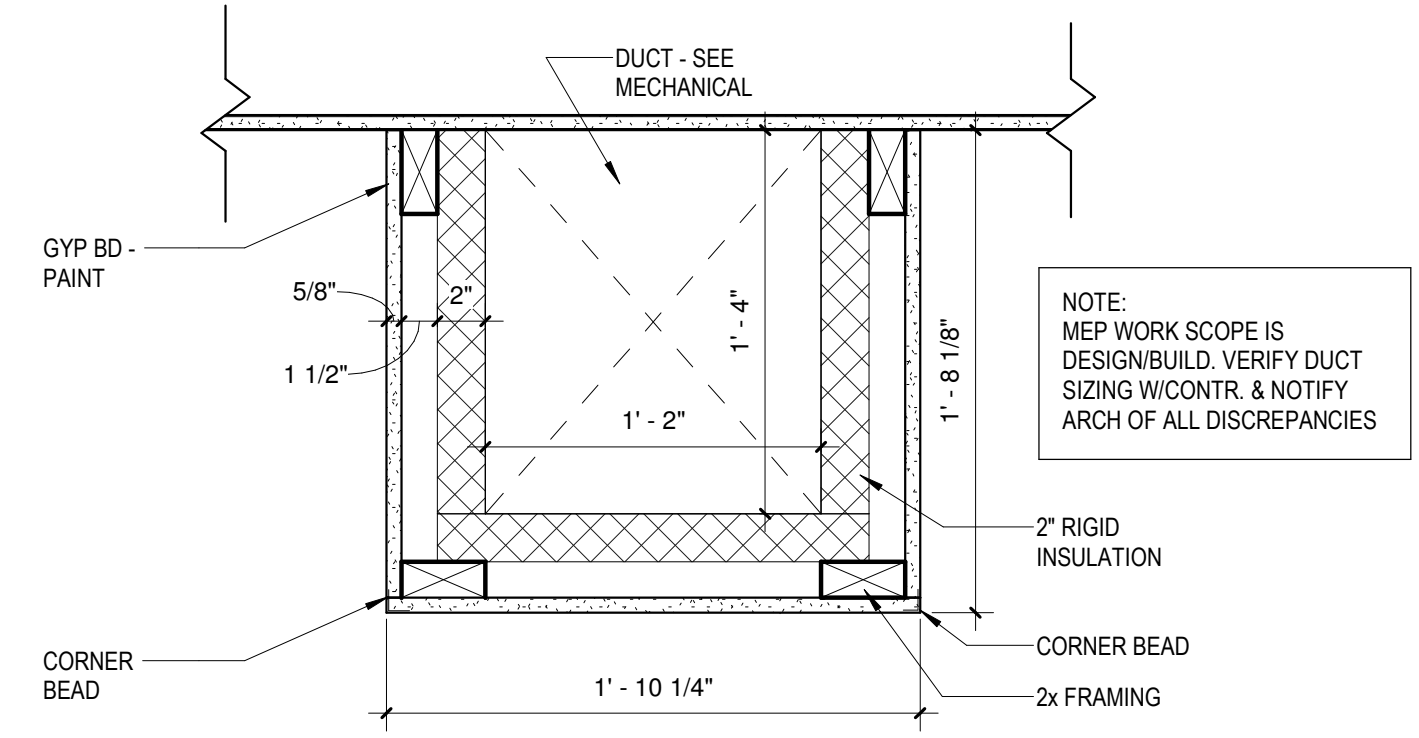
4 ROOF DETAIL AT BREEZEWAY TO EXISTING WALL CONNECTION Copy 1
3" = 1'-0"



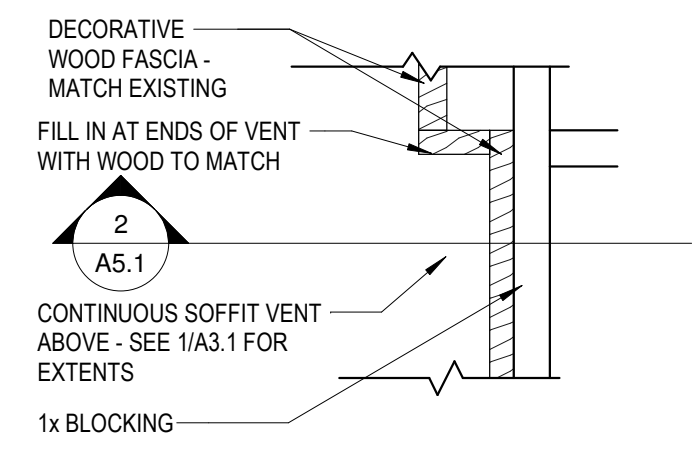
6 DETAIL AT FLAT ROOF TO WALL CONNECTION
3" = 1'-0"



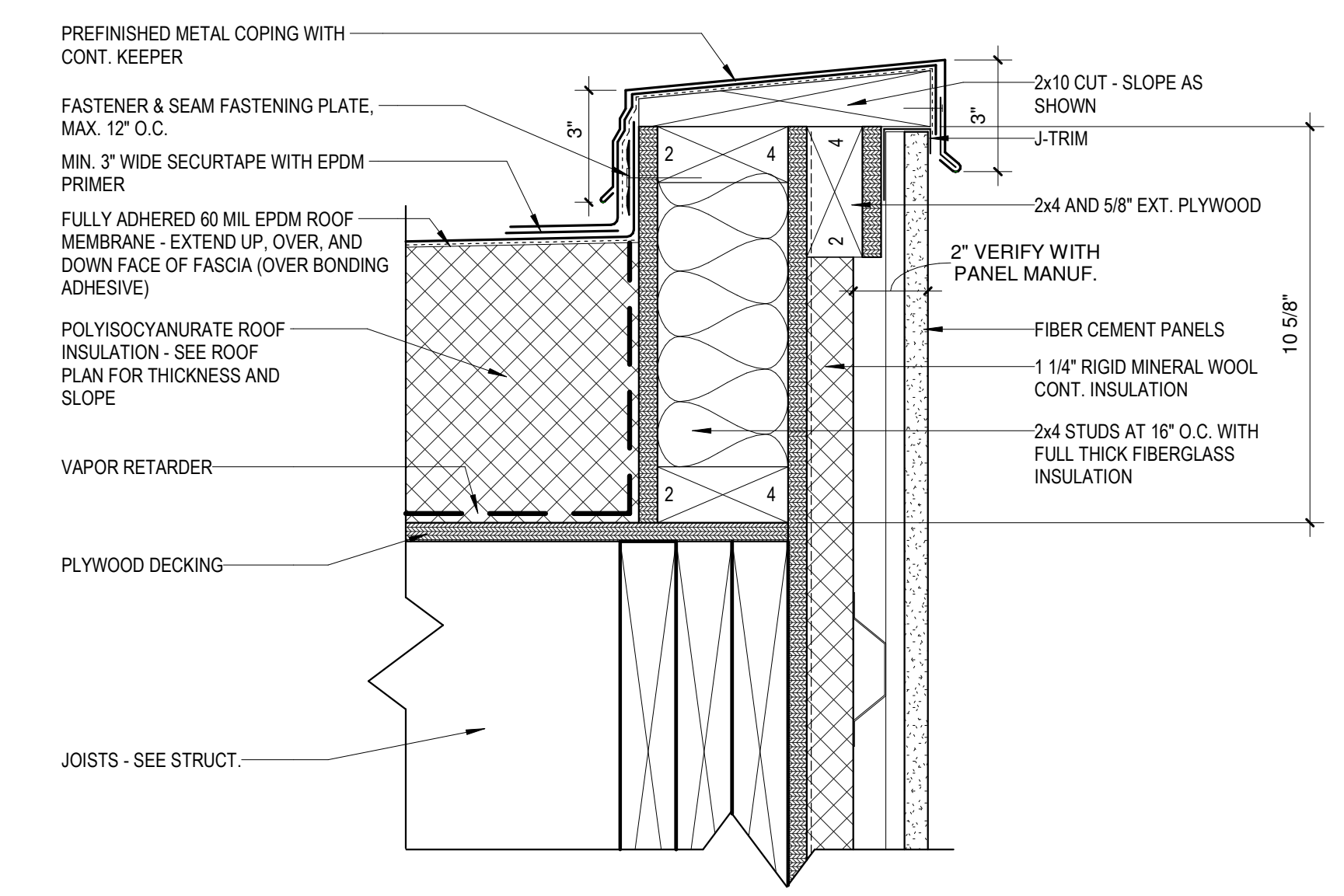
1 RIDGE VENT DETAIL
1 1/2" = 1'-0"



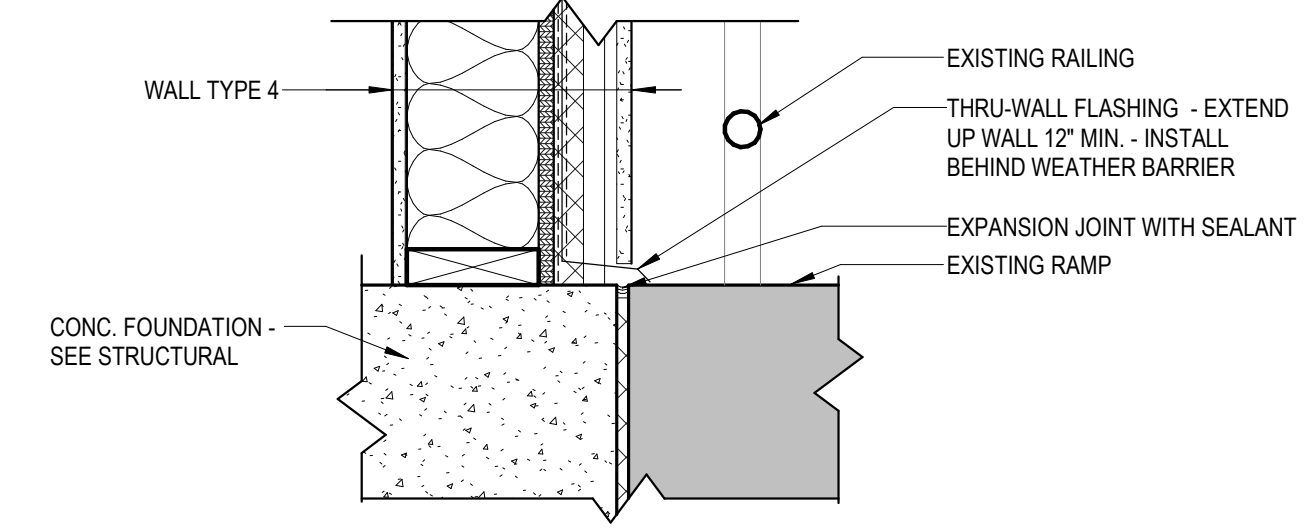
7 SOFFIT DETAIL
1 1/2" = 1'-0"



9 DECORATIVE WOOD SOFFIT DETAIL
3" = 1'-0"



3 DETAIL AT PARAPET
3" = 1'-0"



8 WALL AT FOUNDATION EDGE TO RAMP LANDING DETAIL
1 1/2" = 1'-0"



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IRONWOOD, MI DETAILS

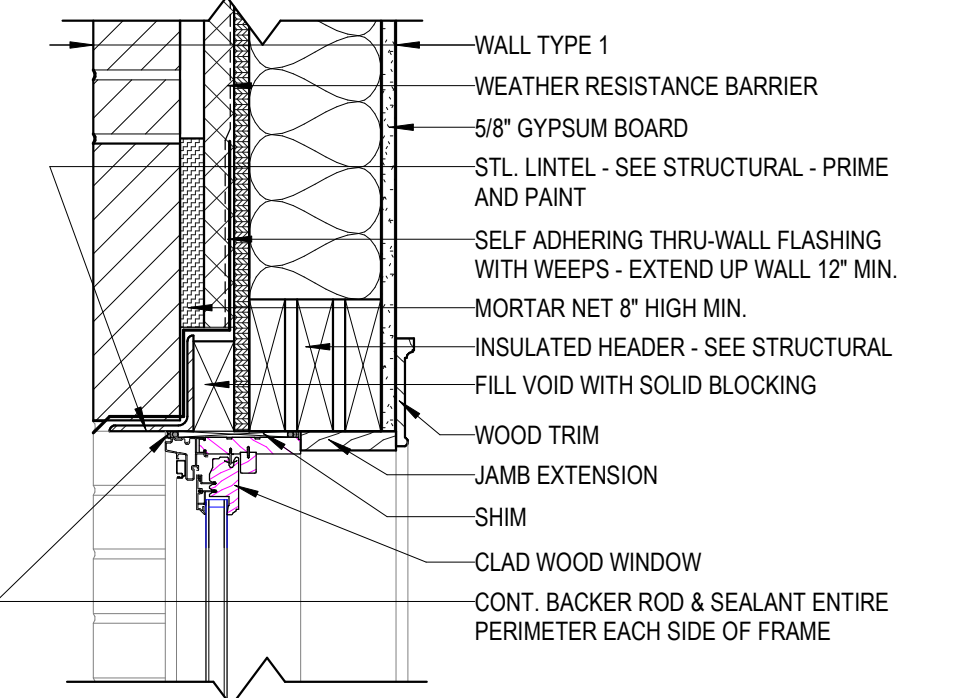
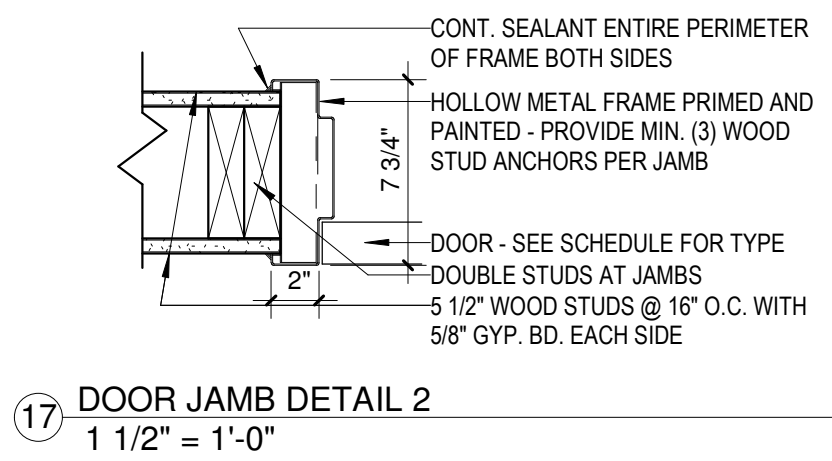
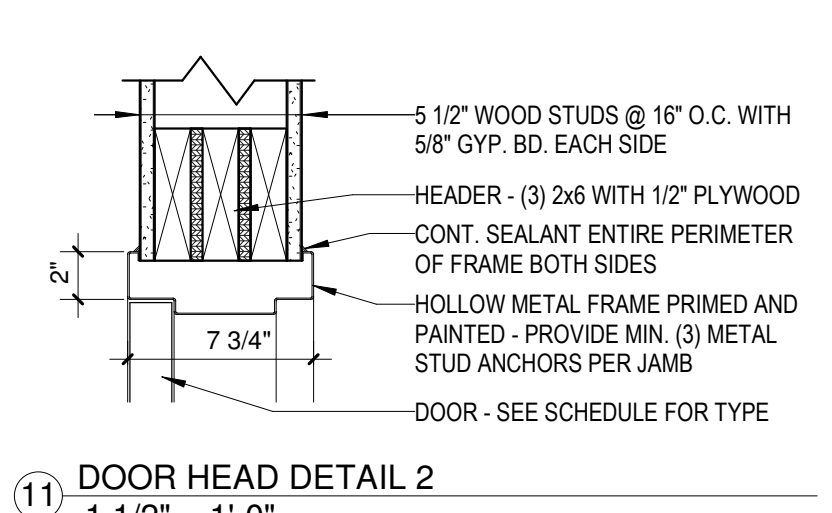
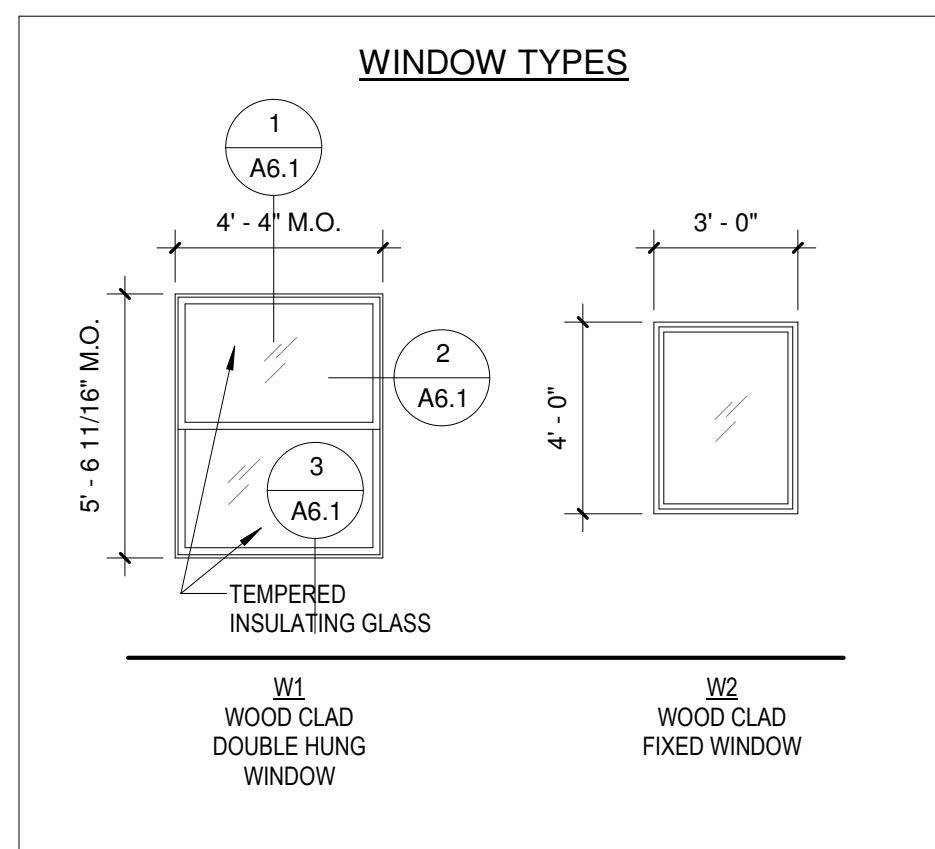
PROJECT NUMBER 24-022
DATE 9-17-2024
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A5.1

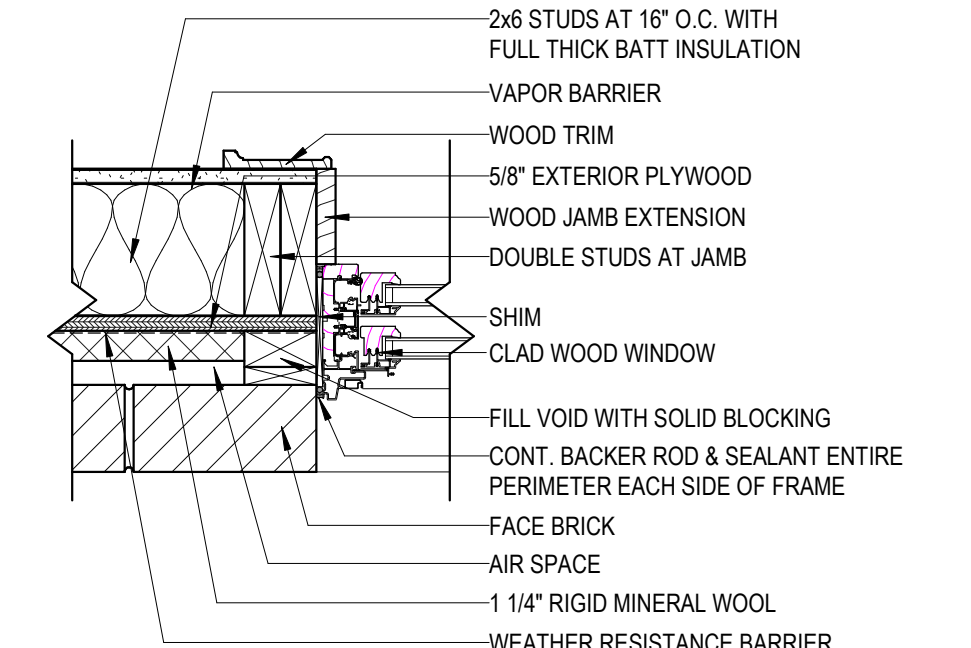
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Door Schedule										
Door Number	Door		Door Type	Door Mat	Frame				Hardware	Comments
	Width	Height			Type	Material	Jamb	Head		
100	3' - 0"	7' - 0"	DP2	HM	FT1	HM	16/A6.1	10/A6.1	5	
101A	3' - 0"	7' - 0"	DP2	HM	FT1	HM	17/A6.1	11/A6.1	5	
101B	3' - 0"	7' - 0"	DP3	HM	FT2	HM	5/A6.1	4/A6.1	4	
102	3' - 0"	7' - 0"	DP1	WOOD	FT1	HM	8/A6.1	7/A6.1	3	
103	3' - 0"	7' - 0"	DP1	WOOD	FT1	HM	8/A6.1	7/A6.1	6	

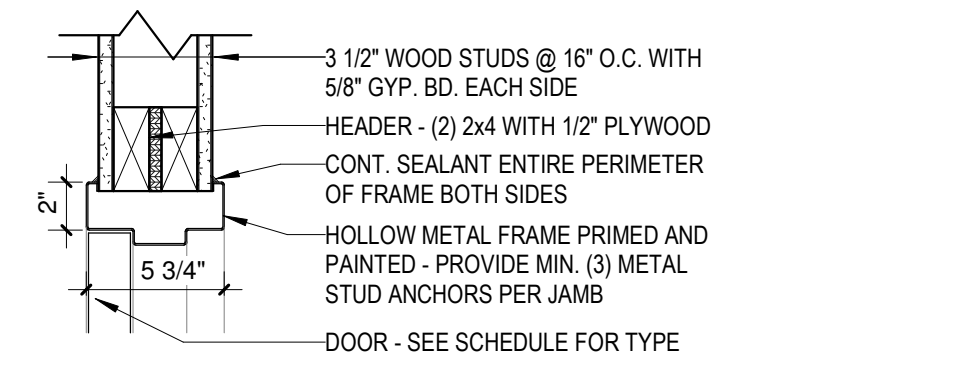
DOOR HARDWARE GROUPS				
HW SET 3 TOILET ROOM				
3	EA	HINGES	58BB1 4-1/2" X 4-1/2"	IVE
1	EA	PRIVACY WIND	L9040P L583-363 L283-722	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	EA	WALL STOP	WS406/407CVX	IVE
1	EA	GASKETING	188S	ZER
HW SET 4 EXIT DOOR FROM CHILDREN'S ROOM				
3	EA	HINGES	58BB1 4-1/2" X 4-1/2" NRP	IVE
1	EA	PANIC HARDWARE	LD99NL	VON
1	EA	SURFACE CLOSER	4040XP SCUSH	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	EA	WEATHERSTRIP	429	ZER
1	EA	DOOR SWEEP	8198	ZER
1	EA	RAIN DRIP	142	ZER
HW SET 5 BREEZEWAY				
3	EA	HINGES	58BB1 4-1/2" X 4-1/2"	IVE
1	EA	PASSAGE	ANSI F75	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	LCN
1	EA	WALL STOP	WS406/407CVX	IVE
1	EA	GASKETING	188S	ZER
HW SET 6 UTILITY CLOSET				
3	EA	HINGES	58BB1 4-1/2" X 4-1/2"	IVE
1	EA	STOREROOM	ANI F86	SCH
1	EA	WALL STOP	WS406/407CVX	IVE
1	EA	GASKETING	188S	ZER
HW SET 7 BREEZEWAY				
3	EA	HINGES	58BB1 4-1/2" X 4-1/2"	IVE
1	EA	VESTIBULE LOCK	ND80 with XN12-001	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	LCN
1	EA	WALL STOP	WS406/407CVX	IVE
1	EA	GASKETING	188S	ZER



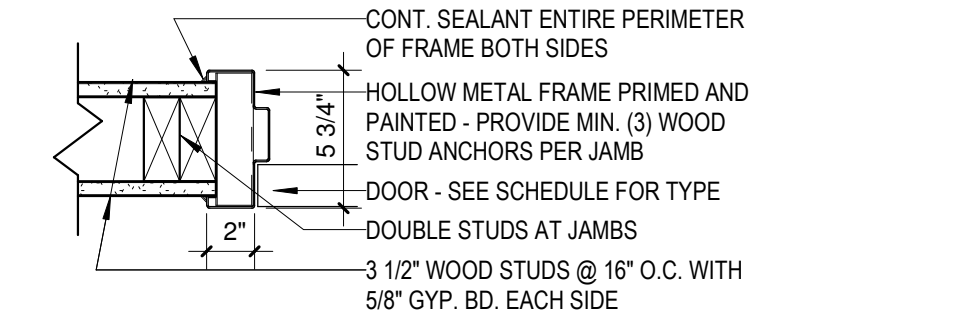
1 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



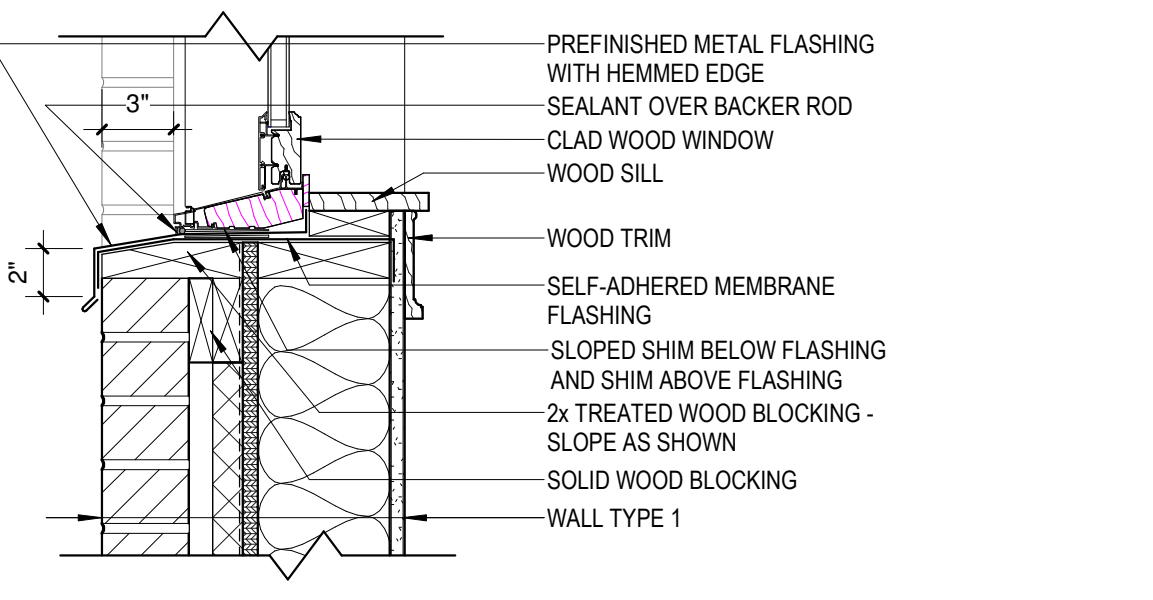
2 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



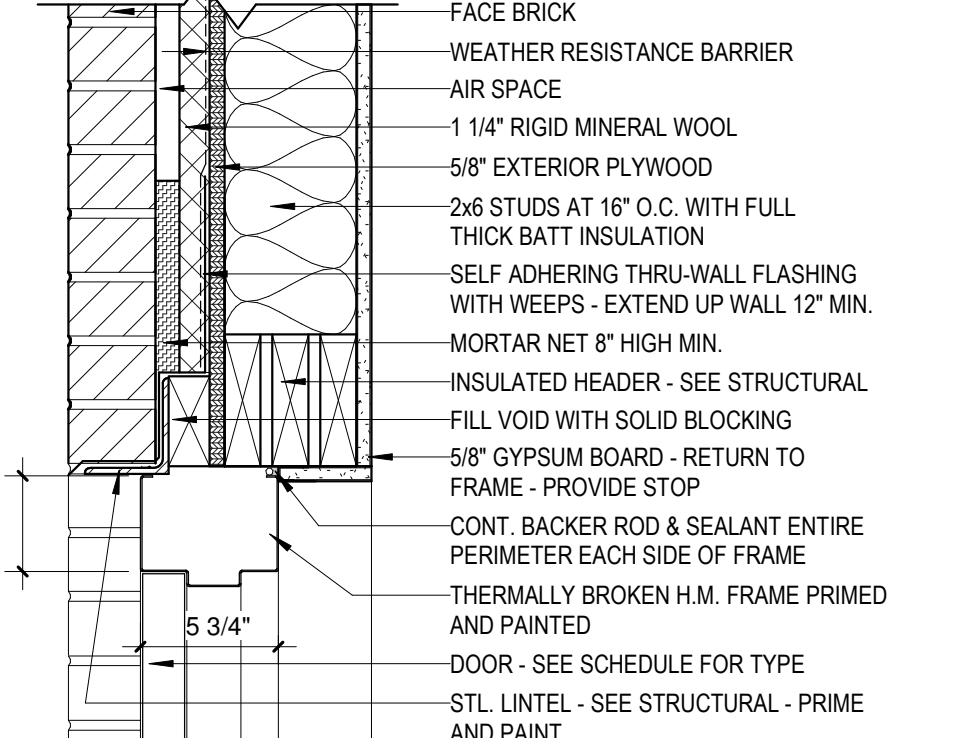
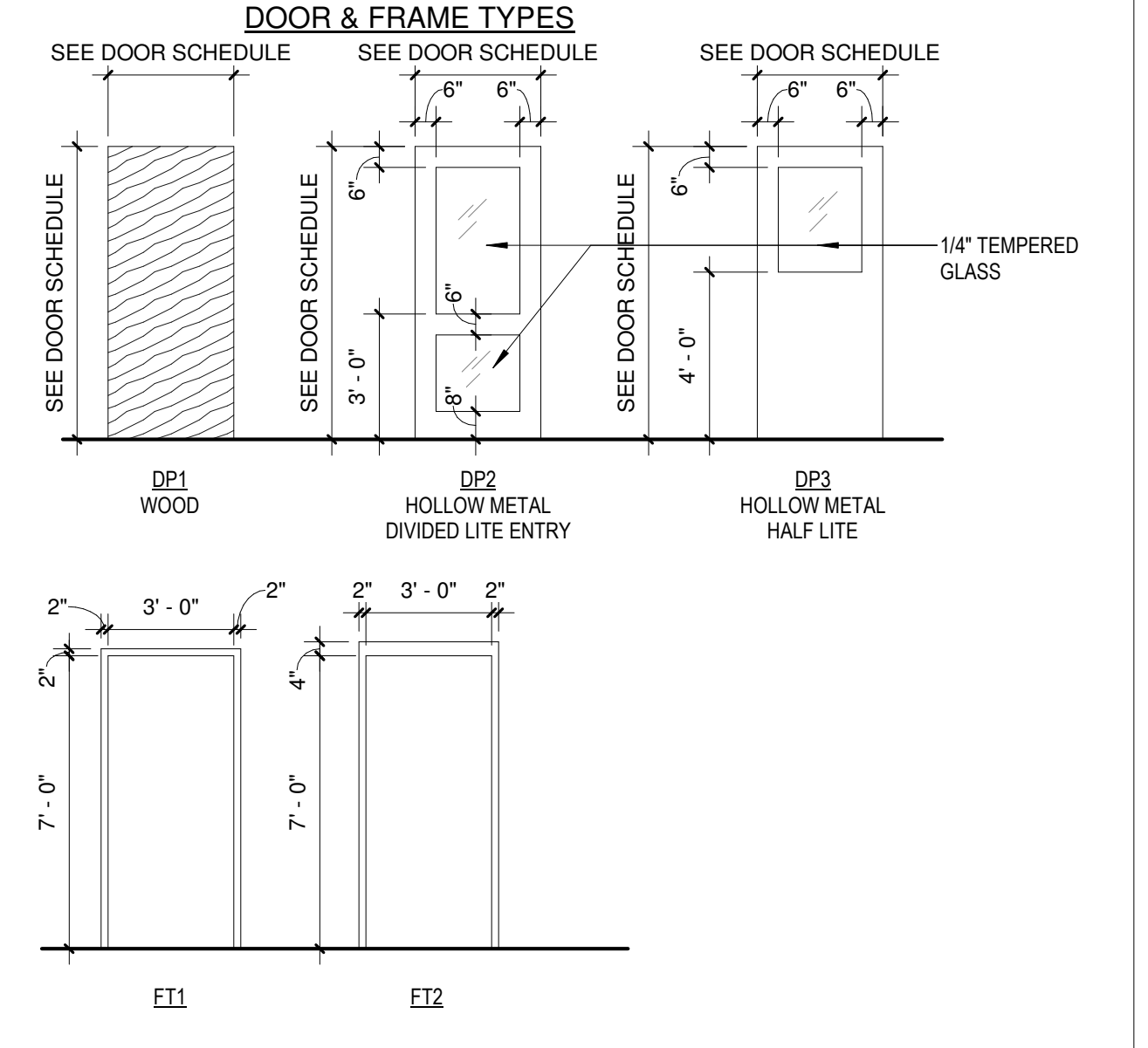
7 DOOR HEAD DETAIL
1 1/2" = 1'-0"



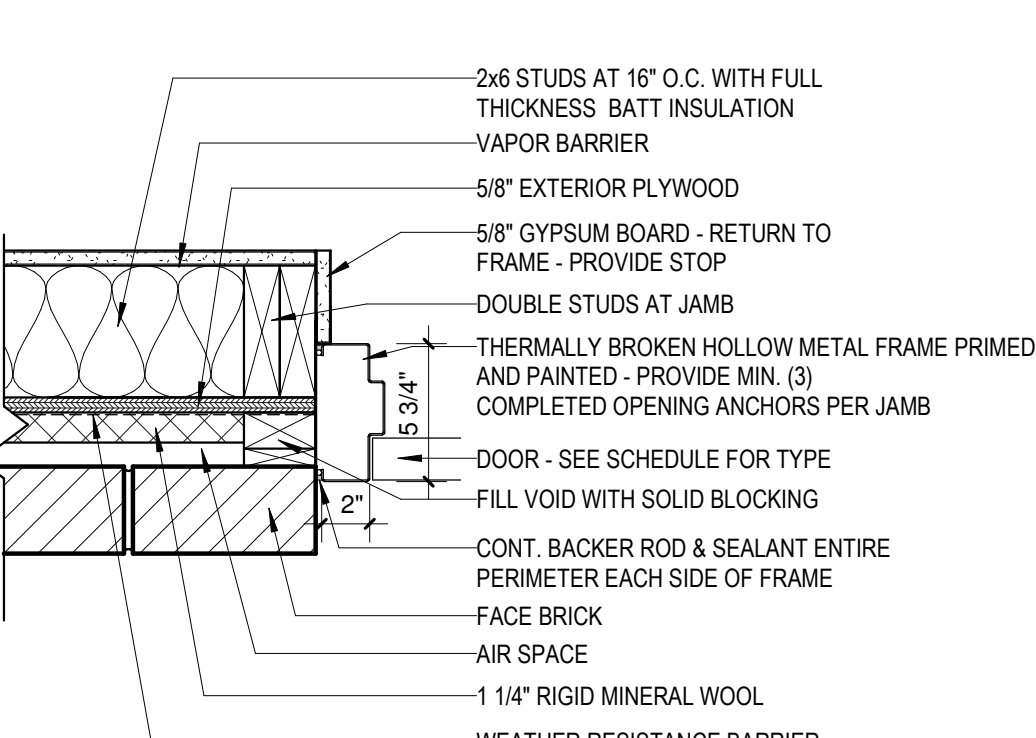
8 DOOR JAMB DETAIL
1 1/2" = 1'-0"



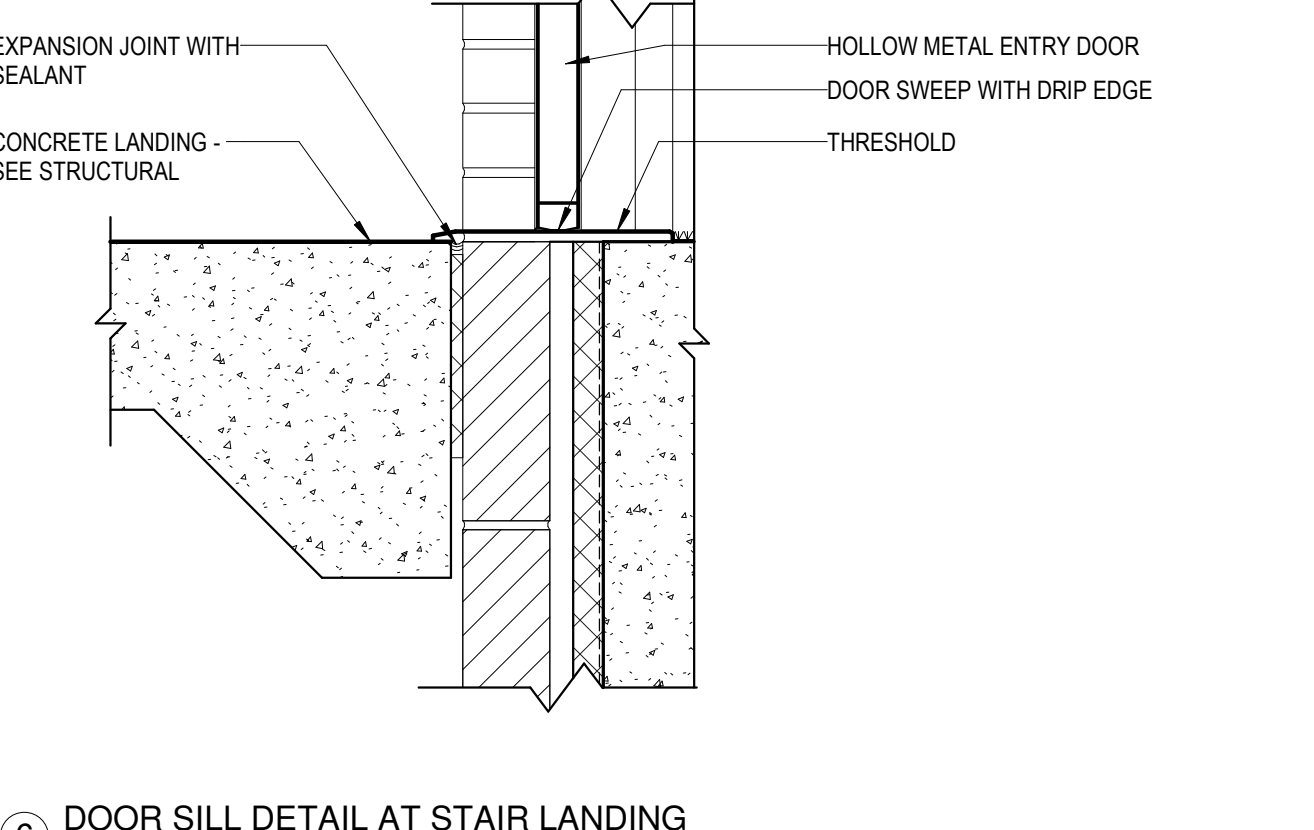
3 WINDOW SILL DETAIL
1 1/2" = 1'-0"



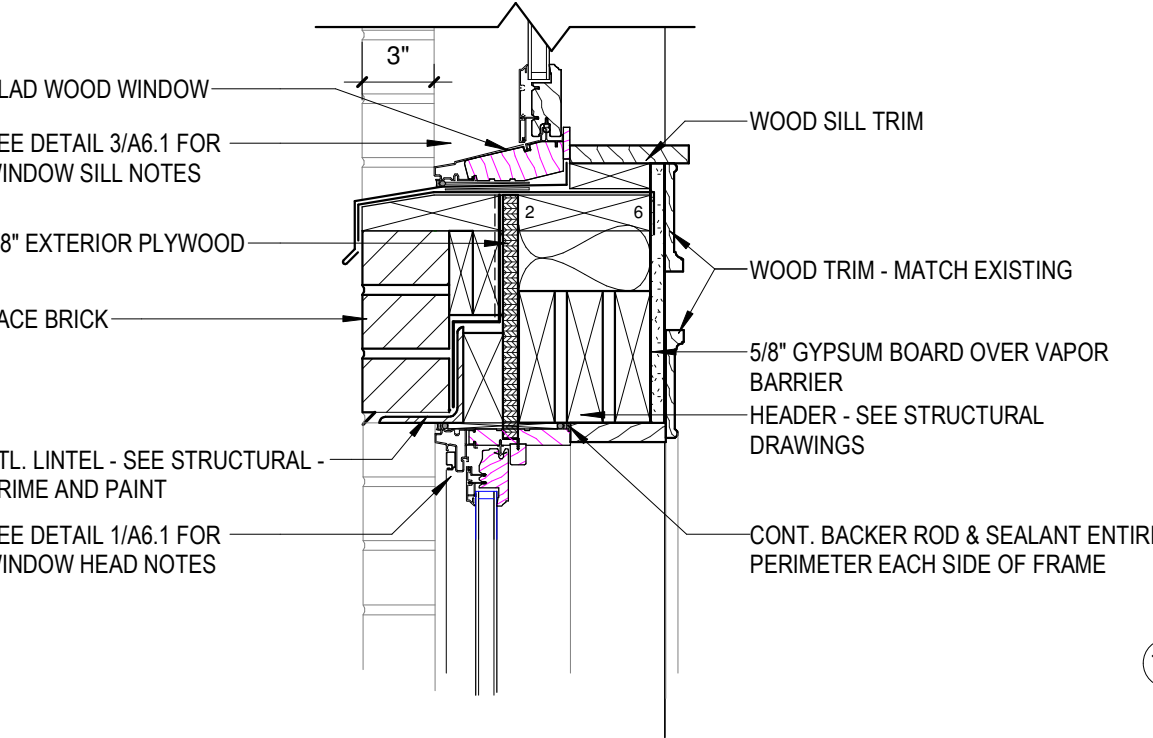
4 EXTERIOR DOOR HEAD DETAIL
1 1/2" = 1'-0"



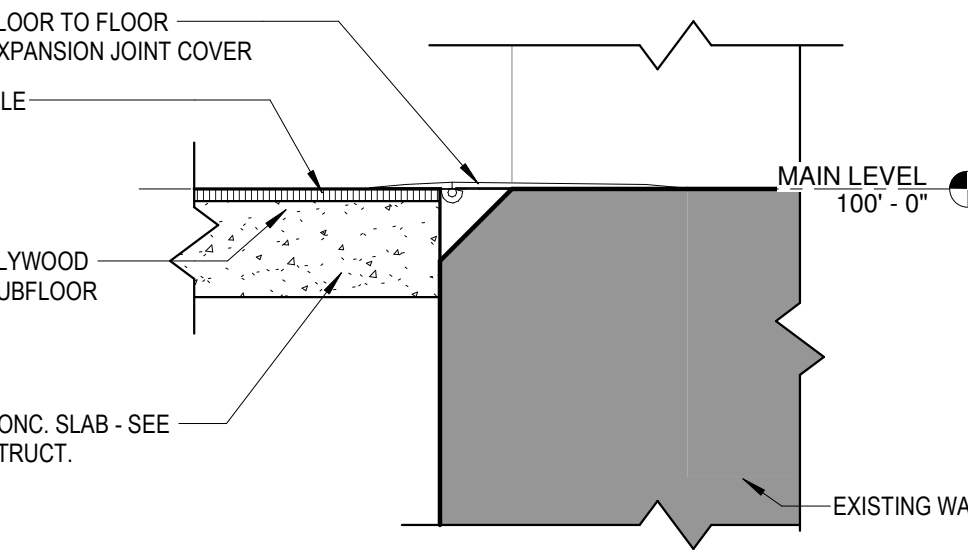
5 EXTERIOR DOOR JAMB DETAIL
1 1/2" = 1'-0"



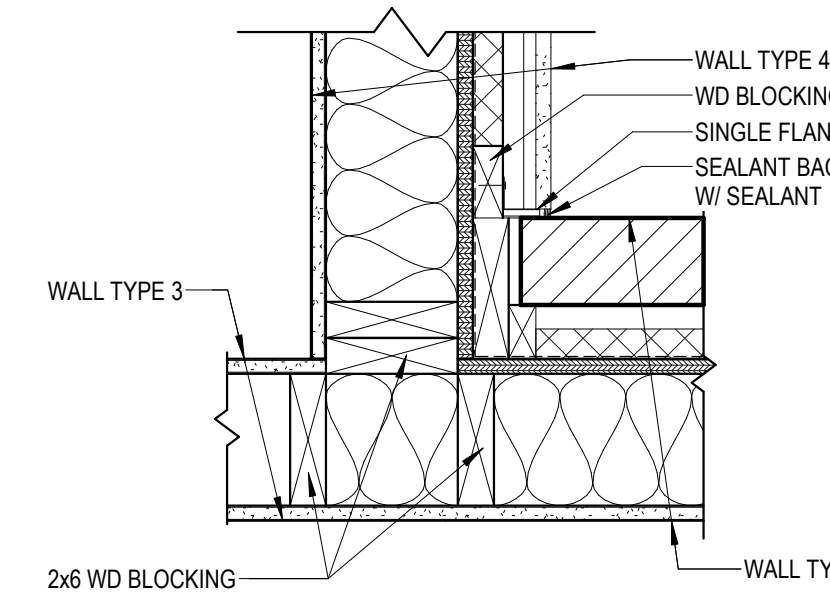
6 DOOR SILL DETAIL AT STAIR LANDING
1 1/2" = 1'-0"



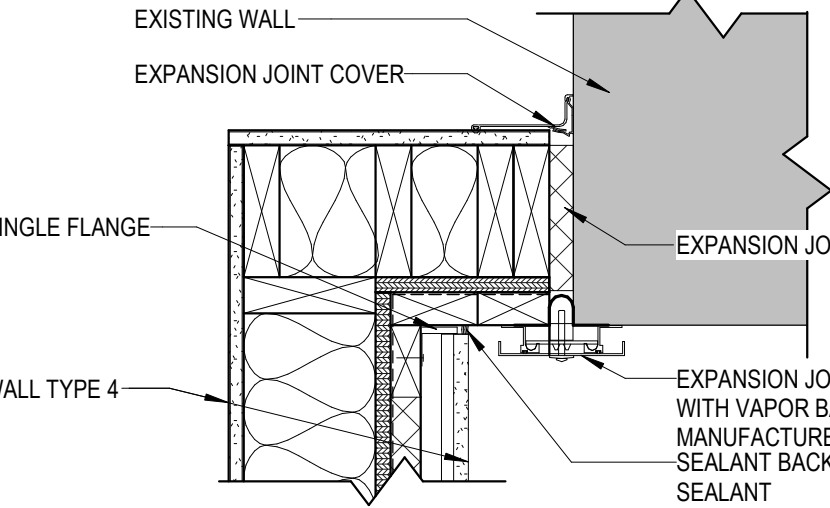
9 SILL - HEAD WINDOW DETAIL
1 1/2" = 1'-0"



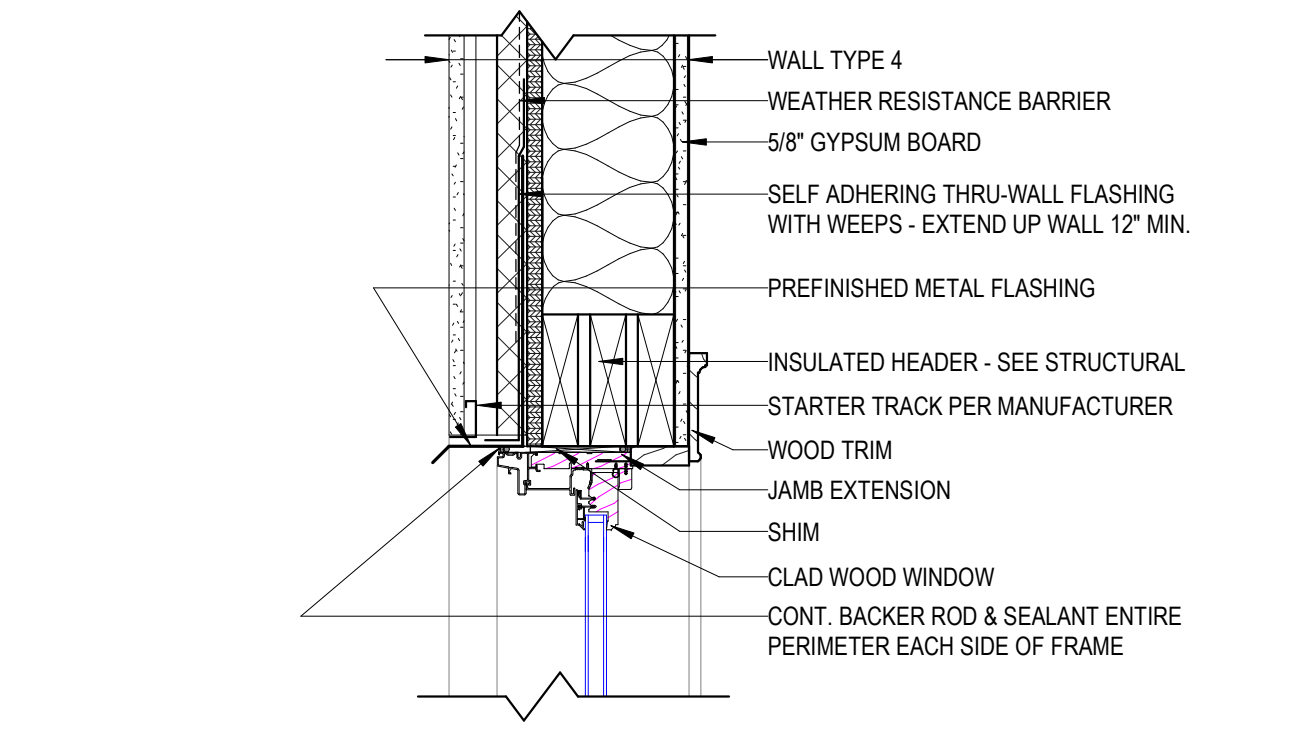
15 EXPANSION JOINT DETAIL - BREEZEWAY TO EXISTING
1 1/2" = 1'-0"



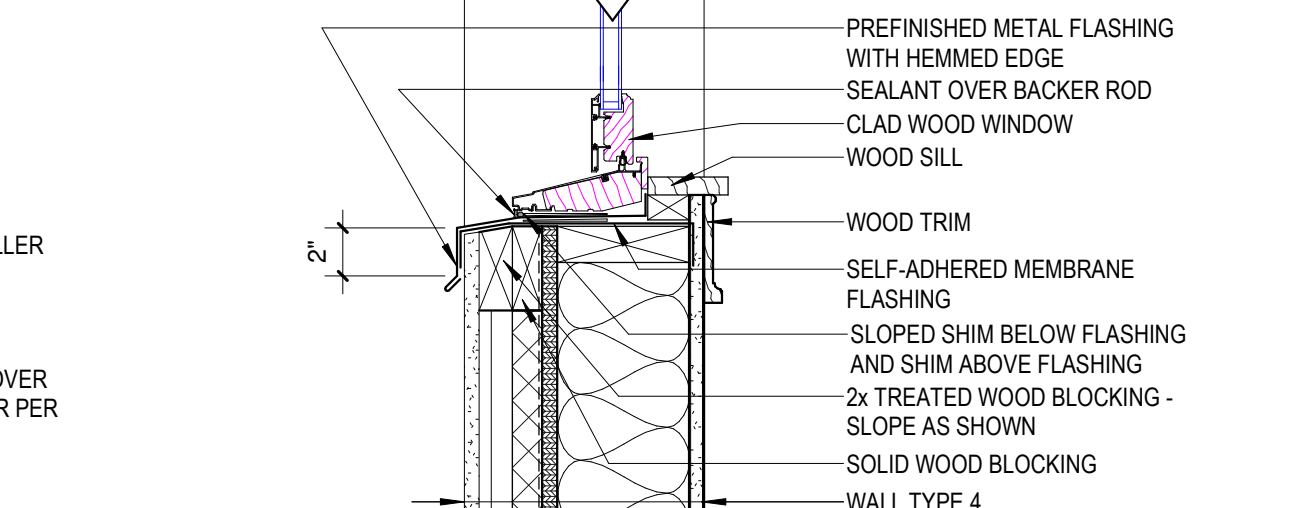
18 DETAIL AT CORNER OF ADDITION TO BREEZEWAY
1 1/2" = 1'-0"



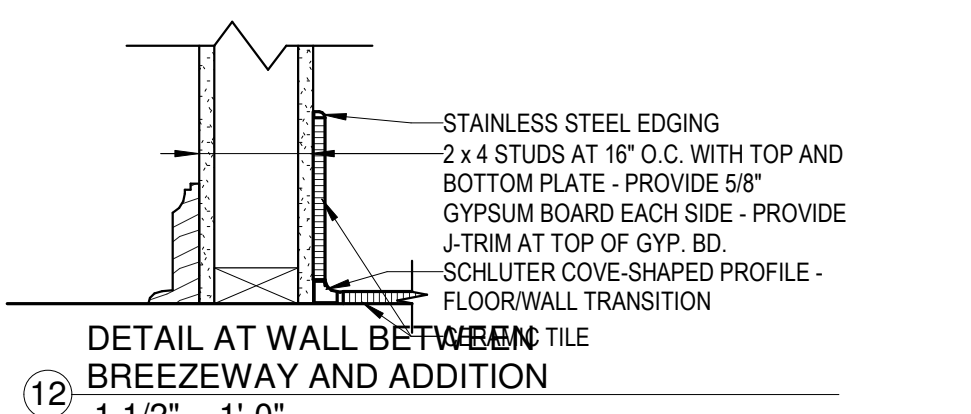
19 DETAIL AT CORNER OF EXISTING TO BREEZEWAY
1 1/2" = 1'-0"



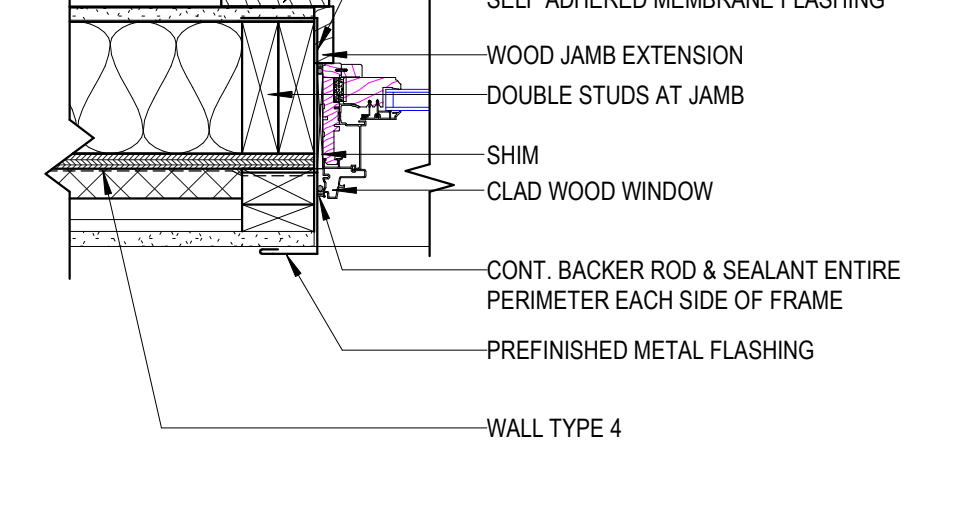
20 WINDOW HEAD DETAIL 2
1 1/2" = 1'-0"



22 WINDOW SILL DETAIL 2
1 1/2" = 1'-0"



12 DETAIL AT WALL BETWEEN BREEZEWAY AND ADDITION
1 1/2" = 1'-0"



21 WINDOW JAMB DETAIL 2
1 1/2" = 1'-0"

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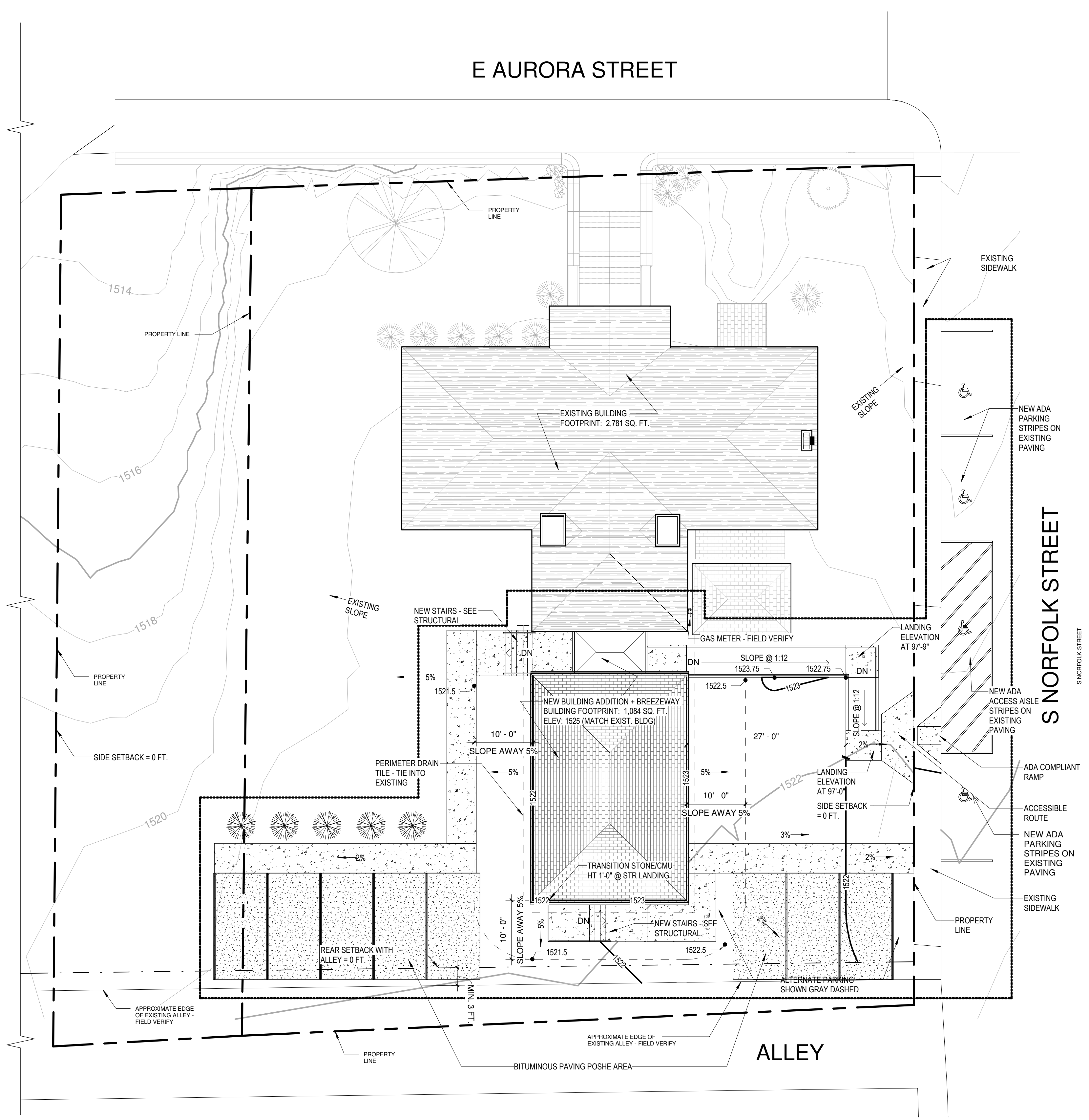
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IRONWOOD, MI DOOR AND WINDOW TYPES AND DETAILS

PROJECT NUMBER 24-022
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SITE PLAN LEGEND

- CONSTRUCTION LIMIT
- - - - DRAIN TILE
- - - - PROPERTY LINE



**Know what's below.
Call before you dig.**

SITE PLAN GENERAL NOTES

1. SITE DIMENSIONS SHOWN ON THIS PLAN SHALL BE USED FOR ALL LAYOUT WORK. CHECK ALL PLAN AND DETAIL DIMENSIONS. BUILDING AND SITE IMPROVEMENTS SHALL BE LAID OUT ON SITE BY A REGISTERED LAND SURVEYOR.
2. MEET REQUIREMENTS OF LOCAL GOVERNING AUTHORITY FOR WORK WITHIN THE PUBLIC RIGHT OF WAY, INCLUDING TEMPORARY TRAFFIC CONTROL. A TRAFFIC CONTROL PLAN SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO BEGINNING WORK.
3. NO SLOPE IN ANY DIRECTION SHALL EXCEED 2% IN ACCESSIBLE PARKING AND LOADING AREAS.
4. ALLOW MINIMUM OF 24 HOUR COOLING PRIOR TO ALLOWING TRAFFIC ON ASPHALT PAVING.
5. MATCH NEW AND EXISTING PAVEMENT SURFACES, SIDEWALKS, AND CURBS AT SAWCUT LINES, ALLOWING NO PONDING OF WATER AT JOINTS. PROVIDE SMOOTH GRADE TRANSITION ACROSS NEW AND EXISTING JOINTS.
6. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD, CURRENT VERSION.
7. SEE REGULATORY SIGN DETAIL FOR SIGN AND POST DETAILS AND SIGN DESIGNATION AND SIZE INFORMATION.
9. EXTERIOR UTILITY CONNECTIONS AND EXCAVATION BY CITY OF IRONWOOD N.I.C. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ALL UTILITY CONFLICTS.

GRADING PLAN LEGEND & KEY

- CONSTRUCTION LIMITS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SLOPE ARROW
- 000.00 SPOT ELEVATION



**Know what's below.
Call before you dig.**

GRADING PLAN GENERAL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE BEGINNING SITE GRADING ACTIVITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING QUANTITIES OF CUT, FILL AND WASTE MATERIAL TO BE HANDLED, AND FOR THE AMOUNT OF GRADING TO BE DONE. ALL COSTS ASSOCIATED WITH IMPORTING SUITABLE MATERIAL AND EXPORTING UNSUITABLE/EXCESS-WASTE MATERIAL SHALL BE INCLUDED IN THE BID PRICE.
3. CONTRACTOR SHALL STRIP, STOCKPILE, AND RE-SPREAD EXISTING ON-SITE TOPSOIL, IF MATERIAL IS APPROVED BY THE ARCHITECT AND/OR SPECIFICATIONS. PROVIDE A UNIFORM THICKNESS OF 6" MINIMUM IN ALL DISTRIBUTED AREAS TO BE LANDSCAPED.
4. CONTRACTOR SHALL DISPOSE OF ANY EXCESS SOIL MATERIAL UNLESS OTHERWISE NOTED.
5. SEE SITE PLAN AND PLANTING PLAN FOR PERMANENT TURF RESTORATION AND PLANTING INFORMATION.
6. MAINTAIN TEMPORARY PROTECTION MEASURES DURING CONSTRUCTION ACTIVITIES.
7. SEE SITE PLAN FOR SITE LAYOUT.
8. PROPOSED CONTOURS AND ELEVATIONS ARE TO FINISHED SURFACE GRADE.
9. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AT ALL TIMES.
10. NO GRADED SLOPE SHALL EXCEED 1:3 (VERTICAL TO HORIZONTAL).
11. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AND PROVIDE A SMOOTH FINISHED SURFACE WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN OR BETWEEN POINTS AND EXISTING GRADES.
12. LIMIT THE DISTURBED AREA AS MUCH AS POSSIBLE AND CONDUCT GRADING OPERATIONS IN A MANNER TO MINIMIZE THE POTENTIAL FOR EROSION.
13. CONDUCT GRADING PER MDOT SPECIFICATIONS



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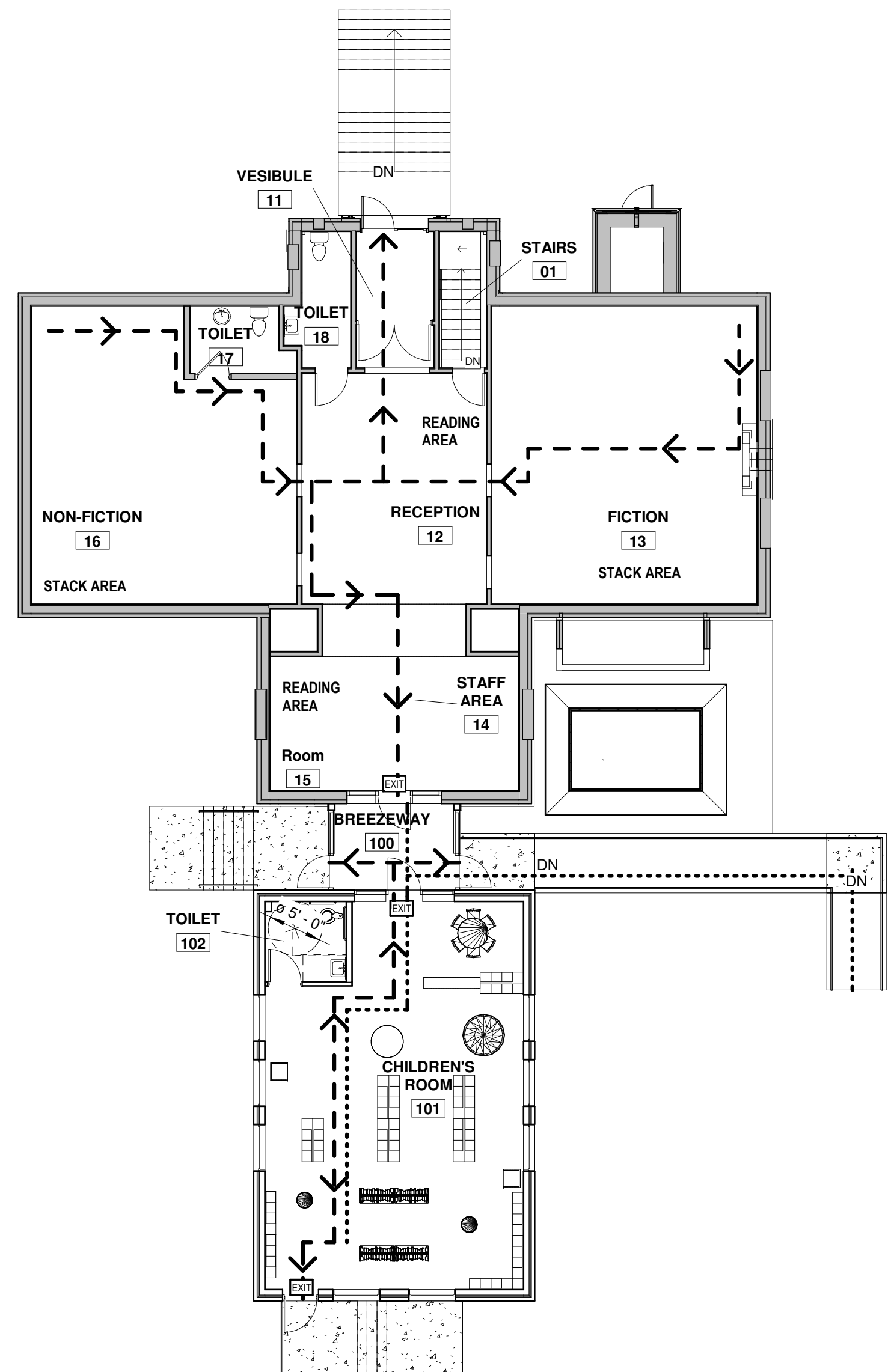
**IRONWOOD, MI
SITE & GRADING PLAN
ALTERNATE**

PROJECT NUMBER 24-022
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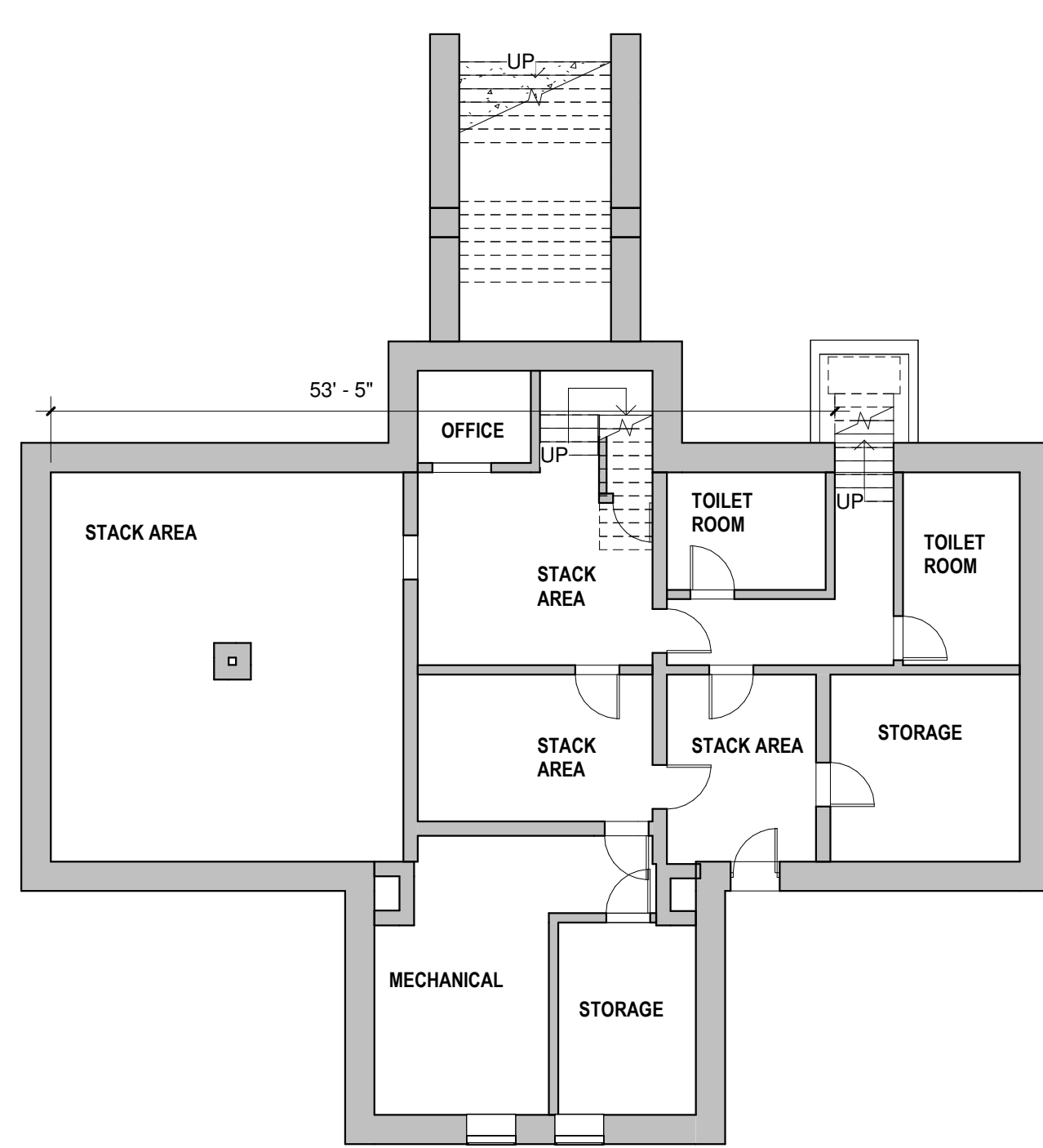
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1 SITE & GRADING PLAN
3/32" = 1'-0"

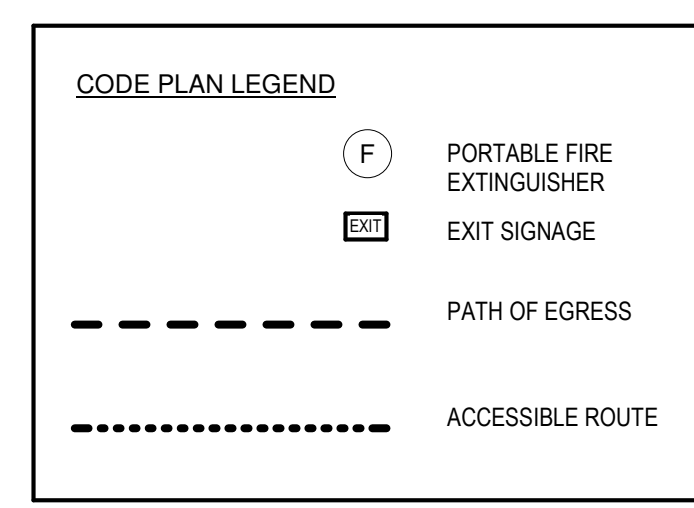




1 MAIN LEVEL - CODE PLAN
3/32" = 1'-0"



4 LOWER LEVEL - CODE PLAN
3/32" = 1'-0"



CODE SUMMARY

GENERAL INFORMATION

PROJECT NAME: CITY OF IRONWOOD
CARNEGIE LIBRARY
PROJECT LOCATION: 235 E AURORA ST
IRONWOOD, MI 49938

APPLICABLE CODES

2015 MINNESOTA REHABILITATION CODE FOR EXISTING BUILDINGS
2015 MICHIGAN BUILDING CODE
2015 MICHIGAN ENERGY CODE
ICC/ANSI A 117.1

USE AND OCCUPANCY CLASSIFICATION [IBC CHAPTER 3]

OCCUPANCY GROUP(S): ASSEMBLY GROUP 'A-3' (303.4)

TYPE OF CONSTRUCTION [IBC CHAPTER 6]

CONSTRUCTION CLASSIFICATION: TYPE V-B [601]

FIRE RESISTANCE RATING REQUIREMENT FOR BUILDING ELEMENTS =

STRUCTURAL FRAME	0
INTERIOR/EXTERIOR BEARING WALLS	0
NONBEARING WALLS & PARTITIONS (EXT)	0
NONBEARING WALLS & PARTITIONS (INT)	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

GENERAL BUILDING HEIGHTS AND AREAS [IBC CHAPTER 5]

BUILDING HEIGHT A-3:	40' (GOVERNS)
BUILDING HEIGHT (EXIST.):	38' - 8" (HIGHEST POINT) NO CHANGE
BUILDING STORIES PERMITTED A-3:	1 (GOVERNS)
BUILDING STORIES ACTUAL:	1
BUILDING AREA PERMITTED A-3:	6,000 (GOVERNS)
BUILDING AREA ACTUAL EXIST. + NEW AT MAIN LEVEL:	3,865

FIRE PROTECTION SYSTEMS [IBC CHAPTER 9]

903.2.1.3 GROUP A-3
AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED FOR FIRE AREAS CONTAINING GROUP A-3 OCCUPANCIES AND INTERVENING FLOORS OF THE BUILDING WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:
3. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES.

903.2.11.1 STORIES WITHOUT OPENINGS
AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT ALL STORIES, INCLUDING BASEMENTS, OF ALL BUILDINGS WHERE THE FLOOR AREA EXCEEDS 1,500 SQUARE FEET (139.4 M²) AND WHERE THERE IS NOT PROVIDED NOT FEWER THAN ONE OF THE FOLLOWING TYPES OF EXTERIOR WALL OPENINGS:
1. OPENINGS BELOW GRADE THAT LEAD DIRECTLY TO GROUND LEVEL BY AN EXTERIOR STAIRWAY COMPLYING WITH SECTION 1011 OR AN OUTSIDE RAMP COMPLYING WITH SECTION 1012. OPENINGS SHALL BE LOCATED IN EACH 50 LINEAR FEET (15 240 MM), OR FRACTION THEREOF, OF EXTERIOR WALL IN THE STORY ON AT LEAST ONE SIDE. THE REQUIRED OPENINGS SHALL BE DISTRIBUTED SUCH THAT THE LINEAL DISTANCE BETWEEN ADJACENT OPENINGS DOES NOT EXCEED 50 FEET (15 240 MM).
2. OPENINGS ENTIRELY ABOVE THE ADJOINING GROUND LEVEL TOTALING NOT LESS THAN 20 SQUARE FEET (1.86 M²) IN EACH 50 LINEAR FEET (15 240 MM), OR FRACTION THEREOF, OF EXTERIOR WALL IN THE STORY ON AT LEAST ONE SIDE. THE REQUIRED OPENINGS SHALL BE DISTRIBUTED SUCH THAT THE LINEAL DISTANCE BETWEEN ADJACENT OPENINGS DOES NOT EXCEED 50 FEET (15 240 MM). THE HEIGHT OF THE BOTTOM OF THE CLEAR OPENING SHALL NOT EXCEED 44 INCHES (1118 MM) MEASURED FROM THE FLOOR.

MEANS OF EGRESS [IBC CHAPTER 10]

OCCUPANCY LOAD: TABLE 1004.1.2

EXISTING: 42 OCCUPANTS
675 (READING AREAS) / 50 NET (SF PER OCCUPANT)
1,341 (STACK AREAS) / 100 GROSS (SF PER OCCUPANT)
1,226 (STACK AREAS) / 100 GROSS (SF PER OCCUPANT)
637 (ACCESSORY STORAGE, MECHANICAL) / 300 GROSS (SF PER OCCUPANT)

BASIS OF DESIGN NEW: 16 OCCUPANTS
800 (READING AREAS) / 50 NET (SF PER OCCUPANT)

BASIS OF DESIGN TOTAL: 58 OCCUPANTS NEW AND EXISTING

MAXIMUM POSSIBLE NEW: 160 OCCUPANTS
800 (READING AREAS) / 5 NET (SF PER OCCUPANT)

TABLE 1017.2:
EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY: A	
WITHOUT SPRINKLER	200 FEET
WITH SPRINKLER	250 FEET

1004.3 POSTING OF OCCUPANT LOAD.
EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANCY LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT.

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

OCCUPANCY: A
MAXIMUM OCCUPANT LOAD OF SPACE: 49
WITHOUT SPRINKLER SYSTEM, OCCUPANT LOAD LESS THAN 30:
MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE: 75 FEET

MINIMUM PLUMBING FACILITIES [SECTION 2902]

TABLE 2902.1
A-3
WATER CLOSETS: 1 PER 125 MALES, 1 PER 65 FEMALES
LAVATORIES: 1 PER 200 OCCUPANTS

62 OCCUPANTS
NEED: 1 MALE WATER CLOSETS, 1 FEMALE WATER CLOSETS, 2 LAVATORIES
HAVE: EXIST: 2 UNISEX TOILETS, 2 UNISEX LAVATORIES
NEW: 1 UNISEX TOILET, 1 UNISEX LAVATORY

COMMERCIAL ENERGY EFFICIENCY [MEC CHAPTER 4]

C401.2 APPLICATION

COMMERCIAL BUILDINGS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/ASHRAE/IESNA 90.1-2013.

ANSI/ASHRAE/IESNA 90.1-2013, TABLE 5.5-7 BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 7 PRESCRIPTIVE BUILDING ENVELOPE OPTION

ROOFS	INSULATION MIN. R-VALUE
INSULATION ENTIRELY ABOVE DECK	R-35 c.i.
ATTIC AND OTHER	R-60
WALLS, ABOVE GRADE	INSULATION MIN. R-VALUE
WOOD FRAMED AND OTHER	R-19 + R-5 c.i.
WALLS, BELOW GRADE	
BELOW GRADE WALL	T-15
OPAQUE DOORS	ASSEMBLY MAXIMUM
SWINGING	U-0.500
VERTICAL FENESTRATION	ASSEMBLY MAX. U
METAL FRAMING, OPERABLE	U-0.40
METAL FRAMING, ENTRANCE DOOR	U-0.77

5.4.3.4 VESTIBULES
EXCEPTIONS:
7. DOORS THAT OPEN DIRECTLY FROM A SPACE THAT IS LESS THAN 3000 FT² IN AREA AND IS SEPARATE FROM THE BUILDING ENTRANCE

2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS

THE FOLLOWING SECTIONS SHALL APPLY TO THIS PROJECT:

301.1.2 WORK AREA COMPLIANCE METHOD

SECTION 501 THRU SECTION 504- IN ITS ENTIRETY

507 THRU SECTION 508

CHAPTERS 7 & 8

CHAPTER 11 ADDITIONS

1101.1 SCOPE
AN ADDITION TO A BUILDING OR STRUCTURE SHALL COMPLY WITH THE INTERNATIONAL CODE AS ADOPTED FOR NEW CONSTRUCTION WITHOUT REQUIRING THE EXISTING BUILDING OR STRUCTURE TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES OR OF THESE PROVISIONS, EXCEPT AS REQUIRED BY THIS CHAPTER, WHERE AN ADDITION IMPACTS THE EXISTING BUILDING OR STRUCTURE, THAT PORTION SHALL COMPLY WITH THIS CODE.

1102.3 FIRE PROTECTION SYSTEMS
EXISTING FIRE AREAS INCREASED BY THE ADDITION SHALL COMPLY WITH CHAPTER 9 OF THE INTERNATIONAL BUILDING CODE.

1105.1 MINIMUM REQUIREMENTS.
ACCESSIBILITY PROVISIONS FOR NEW CONSTRUCTION SHALL APPLY TO ADDITIONS, AN ADDITION THAT AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS 705, 806 AND 906, AS APPLICABLE.

1106.1 MINIMUM REQUIREMENTS
ADDITIONS TO EXISTING BUILDINGS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION.

CHAPTER 12

1201.1 SCOPE
IT IS THE INTENT OF THIS CHAPTER TO PROVIDE MEANS FOR THE PRESERVATION OF HISTORIC BUILDINGS. HISTORICAL BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF THIS CHAPTER RELATING TO THEIR REPAIR, ALTERATION, RELOCATION AND CHANGE OF OCCUPANCY.



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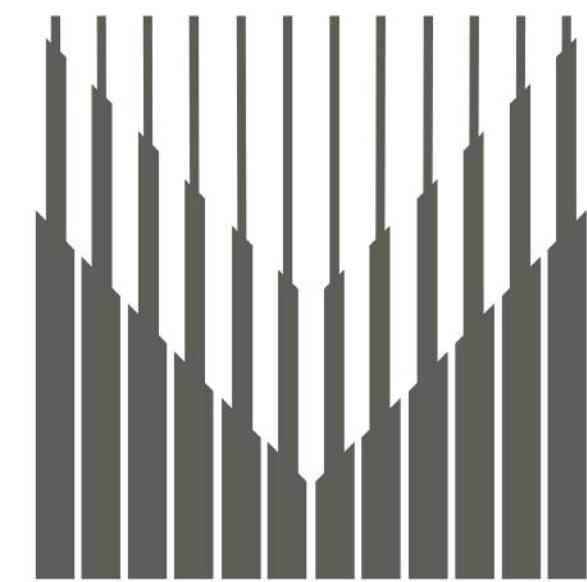
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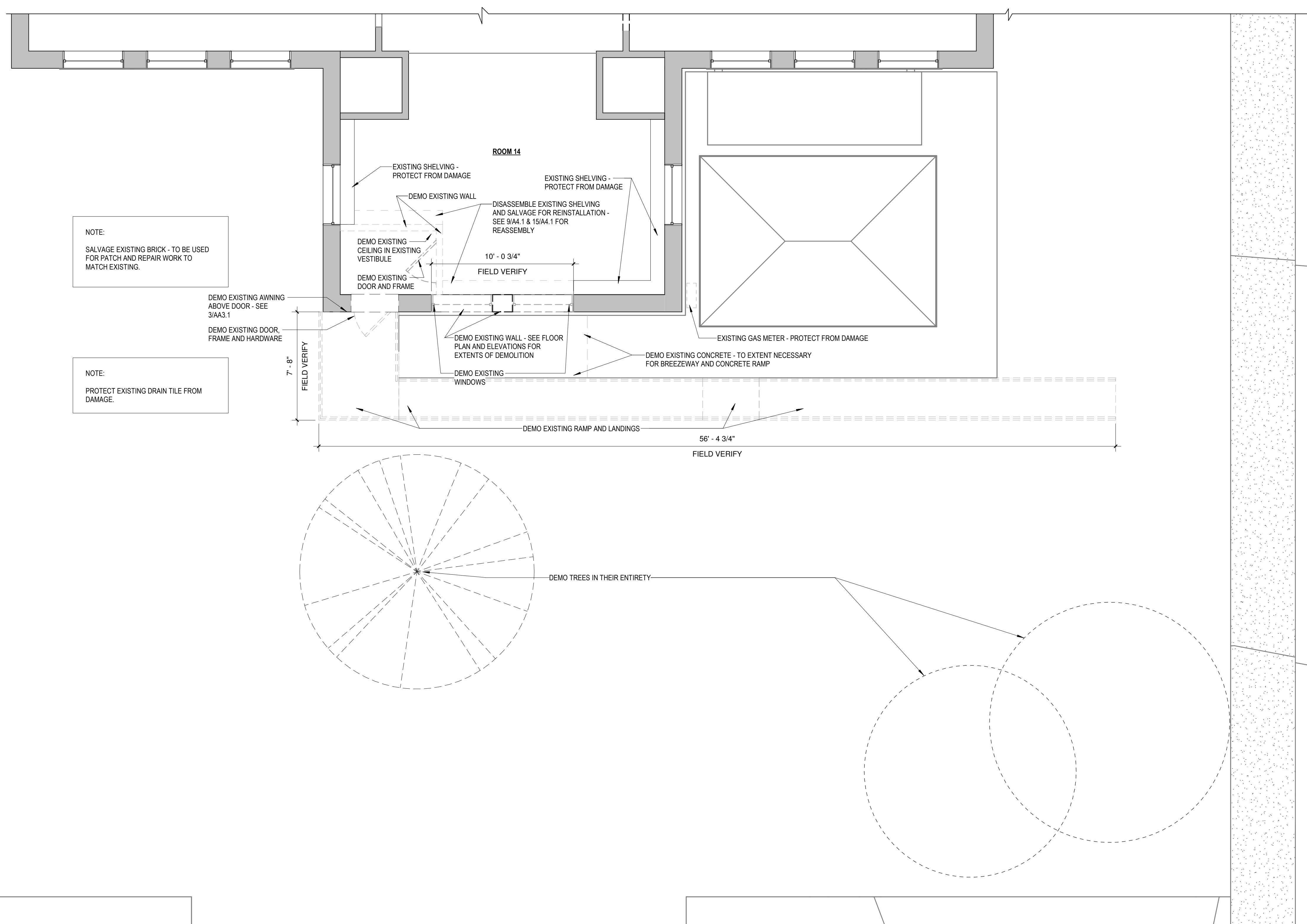
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DEMOLITION PLAN
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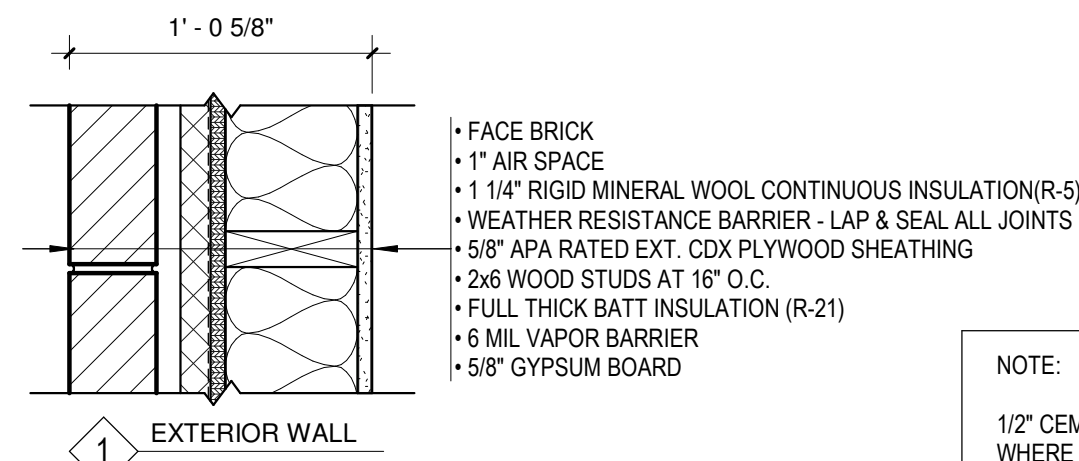
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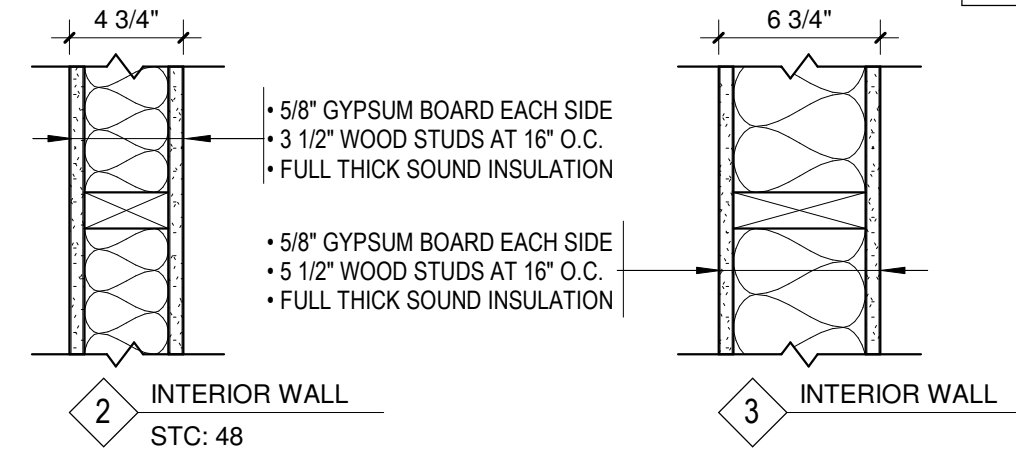
1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK, STAGING AND/OR ORDERING OF MATERIALS. NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES.
2. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS INCLUDING, BUT NOT LIMITED TO ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS, ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS, AND TEMPORARY CONNECTIONS TO MAINTAIN OPERATIONS SHALL BE INCLUDED. PATCH AS REQUIRED ALL CONSTRUCTIONS TO REMAIN IN ACCORDANCE WITH THE CONTRACT DRAWINGS. WHERE CONTRACTOR IS DESIGNATED TO MAKE REMOVALS, DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE. SEE DRAWINGS AND/OR FOR SPECIFICALLY MENTIONED ITEMS.
3. ALL REMOVALS AND SALVAGE, UNLESS SPECIFICALLY NOTED OR REQUESTED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR TO VERIFY ITEMS WITH OWNER PRIOR TO REMOVAL.
4. EXISTING BUILDING COMPONENTS SHALL BE PROTECTED DURING CONSTRUCTION. DAMAGE TO EXISTING COMPONENTS SHALL BE REPLACED AS NEW AT NO ADDITIONAL EXPENSE TO OWNER. ALL MATERIALS REMOVED ARE TO BE DISPOSED OF PROPERLY.
5. REMOVE EXISTING WALL COMPONENTS ENTIRELY FULL HEIGHT. EXISTING WALL FINISHES TO REMAIN SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MATCH EXISTING FINISHES. REMOVE ALL EXISTING ELECTRICAL OUTLETS AND ELECTRICAL WIRE BACK TO EXISTING ELECTRICAL PANEL ENTIRELY AS REQUIRED. COORDINATE WITH OWNER TO MAINTAIN OPERATIONS.
6. REMOVE EXISTING DOOR & FRAME COMPONENTS ENTIRELY.
7. REVIEW WITH MEP CONTRACTORS FOR REMOVAL/RELOCATION OF EXISTING EQUIPMENT. DISPOSE OF EQUIPMENT BEING REMOVED PROPERLY.
8. G.C. SHALL COORDINATE WITH ALL SUBCONTRACTORS TO ASSURE THAT FLOOR CUTTING, PATCHING & LEVELING ARE INCLUDED IN THE BID PRICE. IF ABOVE WORK IS NOT PART OF A SUBCONTRACTOR'S BID, THE G.C. SHALL PROVIDE SAME TYPICAL ALL AREAS SHOWN DEMO.
9. CONTRACTOR(S) SHALL MEET MANUFACTURER'S SPECIFICATIONS FOR TOLERANCES FOR NEW FLOORING MATERIAL BEING INSTALLED.



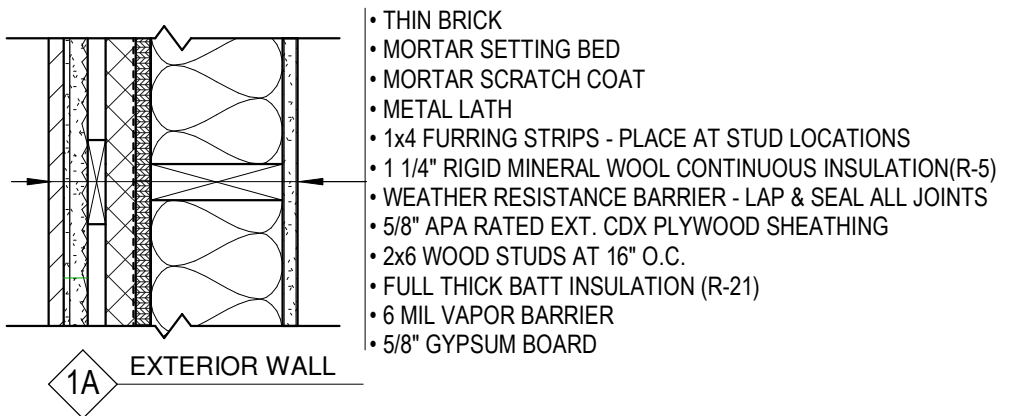
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NOTE:
1/2" CEMENT BOARD WHERE OCCURS.



ALTERNATE WALL TYPE



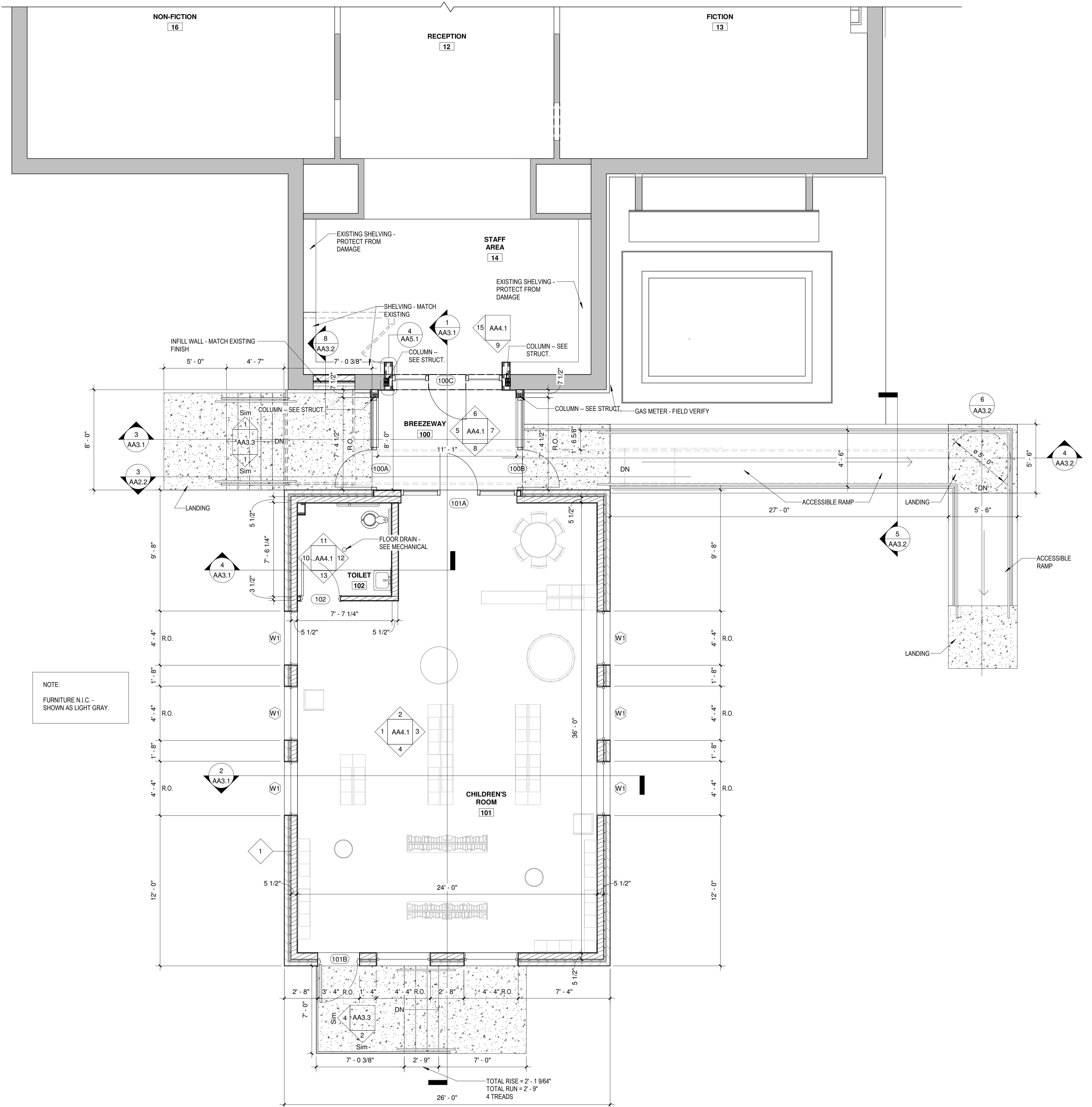
2 WALL TYPES
1 1/2" = 1'-0"

PLAN GENERAL NOTES

- VERIFY ALL WINDOW, DOOR, AND EQUIPMENT FRAMING MEASUREMENTS AND R.O. WITH SUPPLIER/MANUF. PRIOR TO FRAMING WALL.
- FULLY INSULATE ALL WALLS AROUND BATHROOMS. FULLY INSULATE ALL WALLS AROUND ROOMS AS NOTED IN ROOM FINISH SCHEDULE.
- VERIFY WITH OWNER THE LOCATION OF STORAGE FOR ANY ON-SITE MATERIALS.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS PRIOR TO INSTALLATION OF ANY WORK.
- FOR TYPICAL MOUNTING HEIGHTS OF FIXTURES AND ACCESSORIES SEE A0.1 - ENLARGED PLANS. ITEMS NOT DEPICTED SHALL COMPLY WITH ADA REQUIREMENTS AND MANUFACTURER'S STANDARD MOUNTING HEIGHTS.
- COORDINATE ALL FLOOR OPENING DIMENSIONS AND CLEARANCES FOR DUCTWORK W/ MECHANICAL CONTRACTOR - TYPICAL.
- INSTALL SOAP DISPENSERS AND PAPER TOWEL DISPENSER AT SINK UNLESS NOTED OTHERWISE.
- PROVIDE WALL BLOCKING WHERE REQUIRED/SPECIFIED. CONTRACTOR TO VERIFY/CONFIRM LOCATIONS.
- ALL CIP CONCRETE DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ON STUD WALLS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- DIMENSIONS AT SEGMENT TURN ARTICULATIONS ARE TO CORNER OF STRUCTURE UNLESS OTHERWISE NOTED.
- OPENINGS IN CIP CONCRETE WALL ARE DIMENSIONED TO EDGES OF OPENING. OPENING IN STUD WALL ARE DIMENSIONED TO CENTER OF OPENING.
- PROVIDE TREATED LUMBER WHERE IN CONTACT WITH CONCRETE.
- WHERE NEW ADDITION WORK MEETS EXISTING CONSTRUCTION PATCH ALL FINISHES TO MATCH EXISTING, INCLUDING BUT NOT LIMITED TO, GYPSUM BOARD, PLASTER, ACOUSTIC SYSTEMS, TRIM, COVERS, BASE, PANELS, RAILS AND WAINSCOT. VERIFY MATCH OF NEW FINISH MATERIALS TO EXISTING IN COLOR, TEXTURE, THICKNESS. CUT, ETC. TO SATISFACTION OF OWNER PRIOR TO INSTALLATIONS. PROVIDE OTHER MATERIALS TO MATCH EXISTING WHEN REQUIRED AND AS APPROVED BY OWNER. RUN PATCHWORK AND NEW FINISHES BACK TO FIRST EXISTING CORNER AND/OR HARD EDGE DEMARCATION ON WALLS, FLOORS, AND CEILINGS.
- WHERE INFILLING EXISTING RO PATCH EXISTING WALLS. GYPSUM DRYWALL OR PLASTER, TO MATCH EXISTING OF SUFFICIENT THICKNESS TO MAINTAIN UNIFORM WALL THICKNESS. ALL EXPOSED PORTIONS OF WALL SHALL BE FINISHED TO MATCH EXISTING, SANDED AND LEFT IN A PAINT READY CONDITION.
- WHERE APPLICABLE, LEVEL ALL EXISTING FLOORS AS REQUIRED TO RECEIVE NEW FLOOR FINISHES. INSTALL REQUIRED TRANSITION PIECES BETWEEN VARIOUS FLOOR FINISHES SUITABLE FOR CONDITIONS AND ACCEPTABLE TO THE OWNER. MATCH EXISTING WHEREVER POSSIBLE. SEE ROOM FINISH PLAN AND SPECIFICATIONS.
- INFILL EXISTING OPENINGS AS REQUIRED WITH STUDS, BATT INSULATION & WALL SHEATHING TO MATCH EXISTING WALL COMPONENTS AND/OR REQUIRED TO MEET WALL RATING CONFIGURATION.
- CONTRACTOR TO COORDINATE ALL WORK WITH OWNER PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO ENSURE CONTINUED OPERATION OF THE LIBRARY DURING CONSTRUCTION. SEE PLANS/SPECIFICATIONS FOR TEMPORARY BARRIERS AND ENCLOSURES.
- FURNITURE SHOWN IN LIGHT GRAY IN PLANS FOR REFERENCE ONLY. N.I.C.

NOTE:
FURNITURE N.I.C. - SHOWN AS LIGHT GRAY.

1 MAIN LEVEL - FLOOR PLAN - OPTION 2
1/4" = 1'-0"



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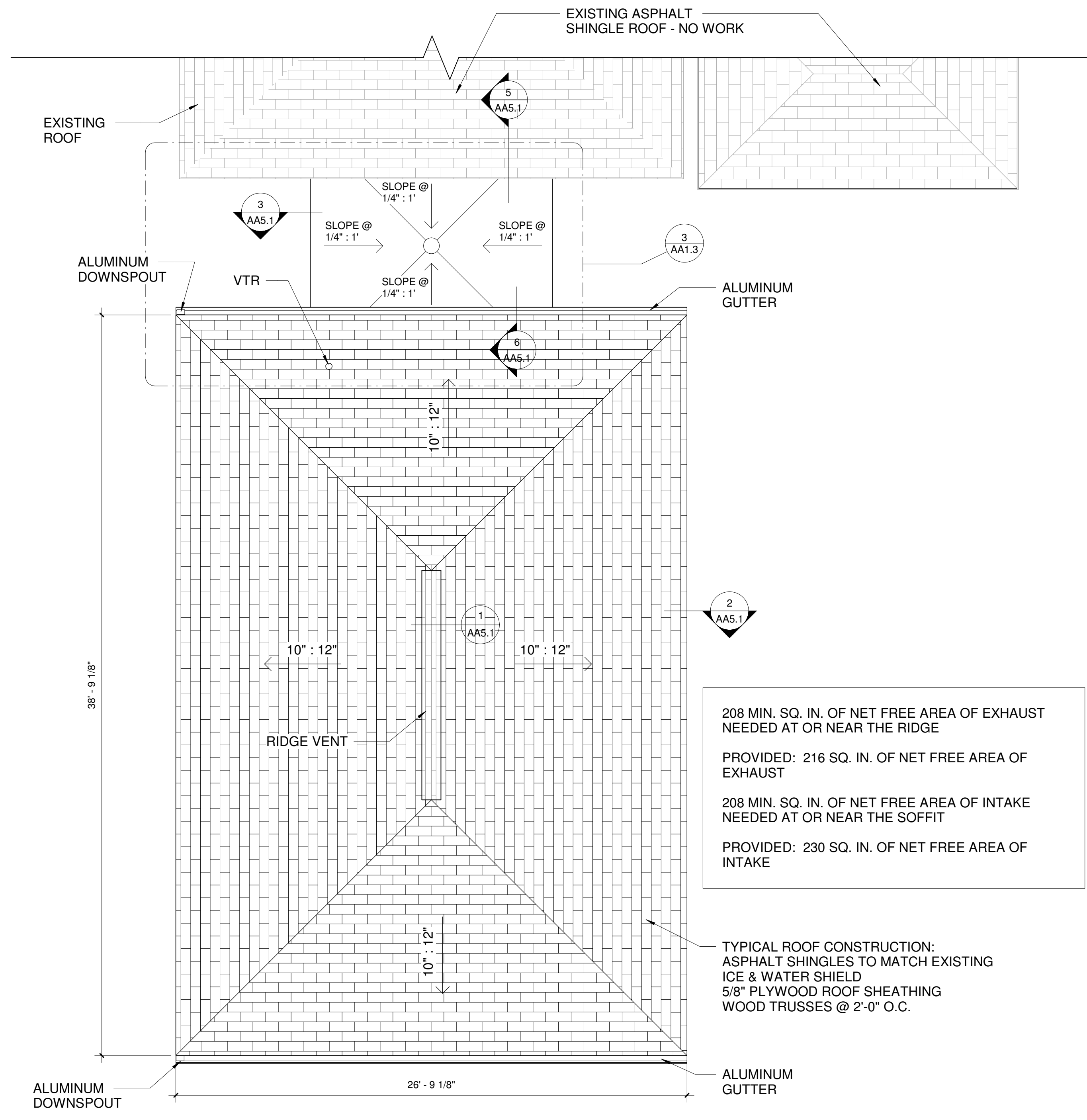
**IRONWOOD, MI
 MAIN LEVEL - FLOOR
 PLAN ALTERNATE**

PROJECT NUMBER 24-022
 DATE 9-17-2024
 DRAWN BY JTF
 CHECKED BY TLM

AA1.2

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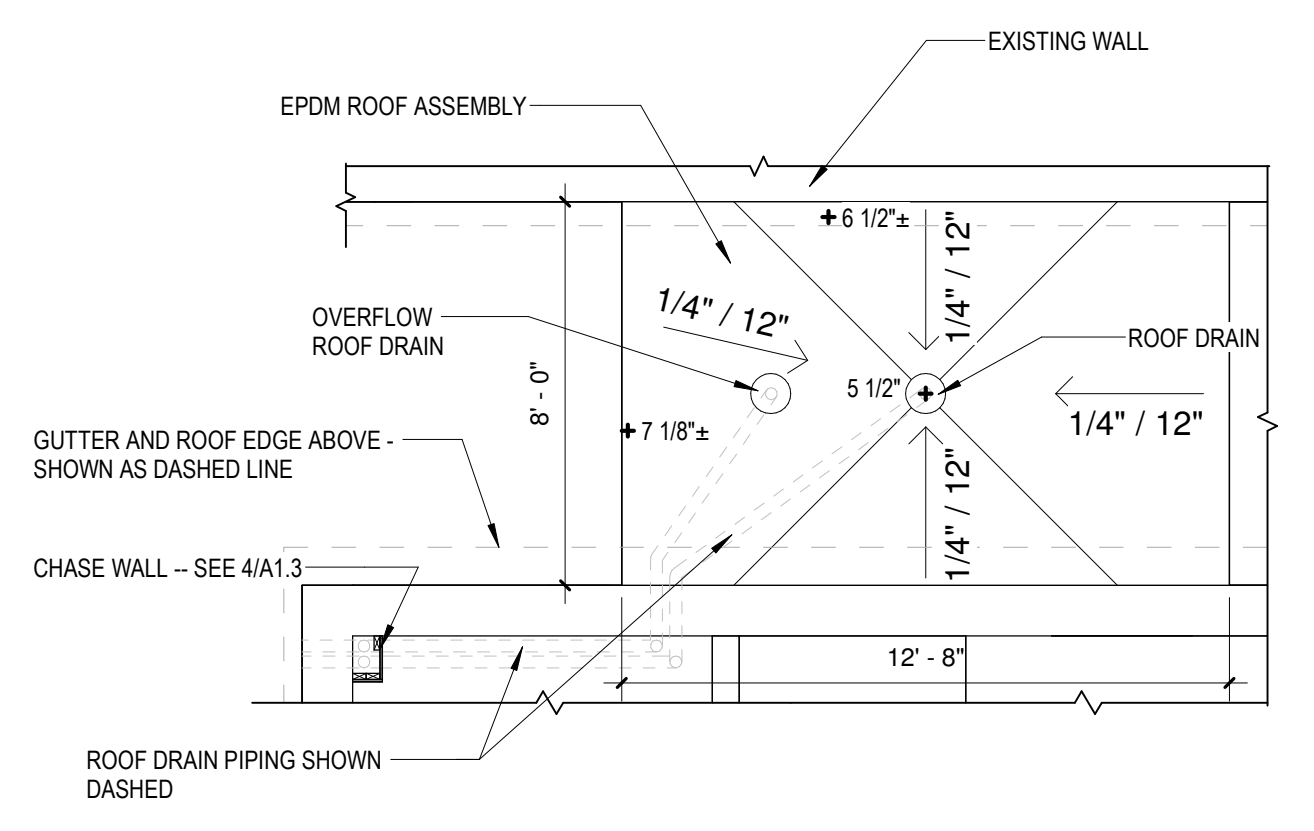
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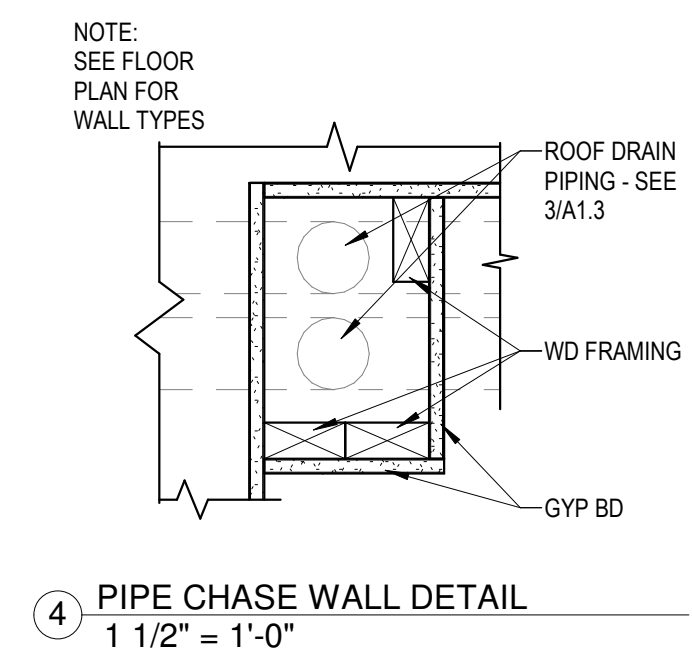
208 MIN. SQ. IN. OF NET FREE AREA OF EXHAUST NEEDED AT OR NEAR THE RIDGE
PROVIDED: 216 SQ. IN. OF NET FREE AREA OF EXHAUST
208 MIN. SQ. IN. OF NET FREE AREA OF INTAKE NEEDED AT OR NEAR THE SOFFIT
PROVIDED: 230 SQ. IN. OF NET FREE AREA OF INTAKE

TYPICAL ROOF CONSTRUCTION:
ASPHALT SHINGLES TO MATCH EXISTING
ICE & WATER SHIELD
5/8" PLYWOOD ROOF SHEATHING
WOOD TRUSSES @ 2'-0" O.C.

2 ROOF PLAN
1/4" = 1'-0"



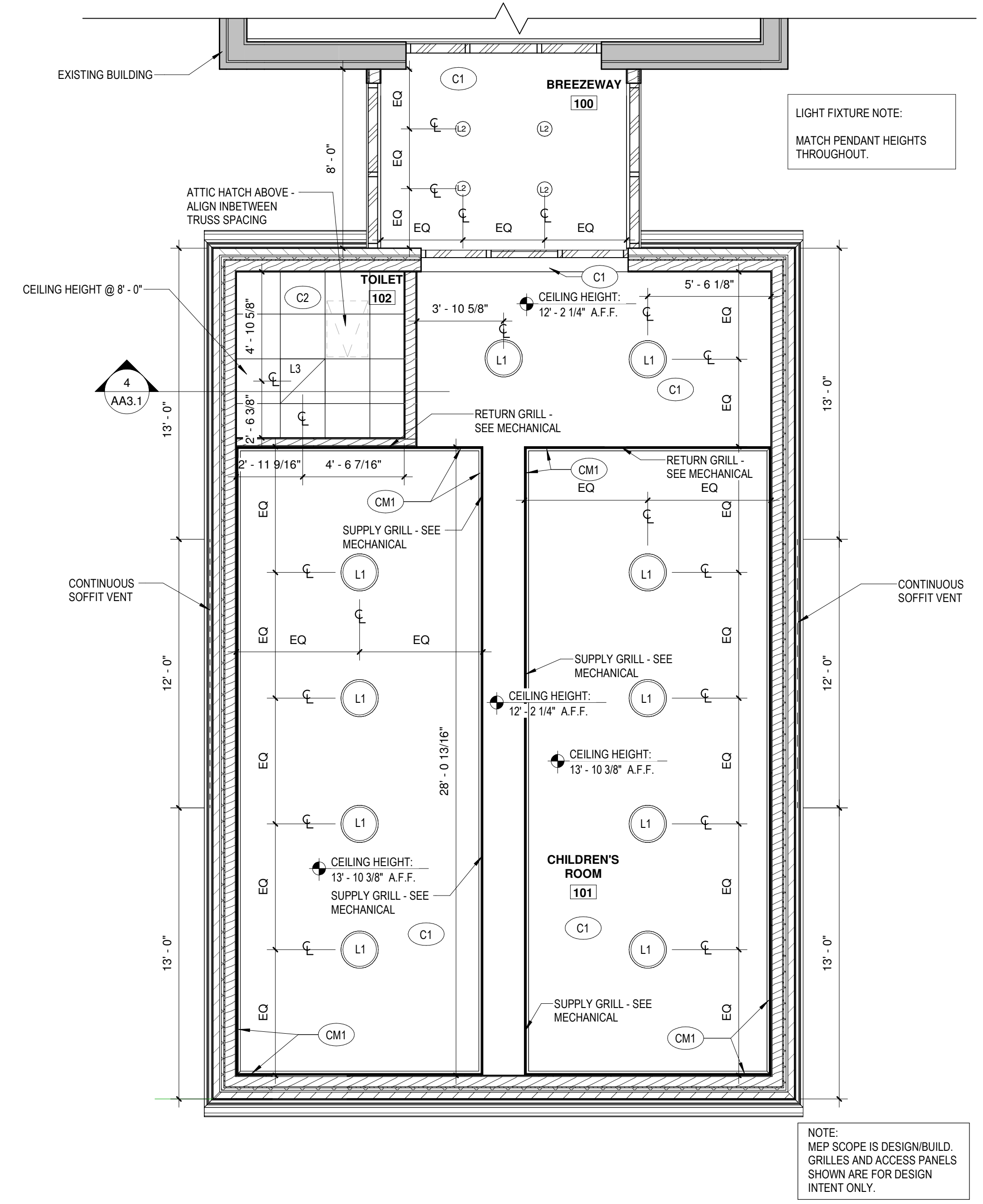
3 ROOF PLAN - FLAT ROOF @ BREEZEWAY
1/4" = 1'-0"



4 PIPE CHASE WALL DETAIL
1 1/2" = 1'-0"

ROOF PLAN GENERAL NOTES
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK OR ORDERING MATERIALS. DIMENSIONS ARE PLUS/MINUS.
2. PROVIDE CRICKETS ON UP SLOPE OF ALL MECHANICAL UNITS, PENETRATIONS, ETC.
3. LIMIT TRAFFIC OVER COMPLETED WORK. IF NECESSARY PROVIDE PROTECTION. PROTECTION SHALL INCLUDE: 1" RIGID INSULATION UNDER 3/4" PLYWOOD SHEATHING. CONTRACTOR SHALL REPAIR ANY PORTION OF ROOF DAMAGED DURING CONSTRUCTION AT NO COST TO OWNER.

1 REFLECTED CEILING PLAN
1/4" = 1'-0"



LIGHT FIXTURE NOTE:
MATCH PENDANT HEIGHTS THROUGHOUT.

LIGHT FIXTURE LEGEND
L1 PENDANT LIGHT FIXTURE
L2 FIXTURE TYPE 2
L3 FIXTURE TYPE 3

ROOM FINISH LEGEND
WALL FINISHES
PT1 PAINT
WB1 WOOD BASE - SEE DETAIL 16/A4.1
FLOOR
CPT CARPET TILE, 24"x24" MOHAWK 977 IRON INDEX
TL1 CERAMIC TILE, 24"x24" DAL TILE SLATE ATTACHE META LIGHT GRAY
TL2 CERAMIC TILE, 12"x24" RUNNING BOND SLATE ATTACHE META WHITE
TL3 CERAMIC TILE, 2"x2" MOSAIC GRID SLATE ATTACHE META WHITE
CEILING
C1 GYPSUM - PAINTED
C2 2X2 ACT
CEILING MOULDING
CM1 WOOD CEILING MOULDING - SEE DETAIL 17/A4.1



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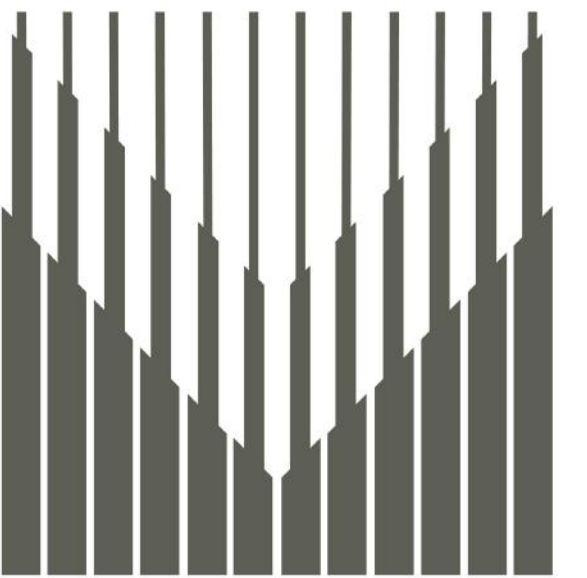
No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
ROOF PLAN AND REFLECTED CEILING PLAN ALTERNATE

PROJECT NUMBER 24-022
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AA1.3



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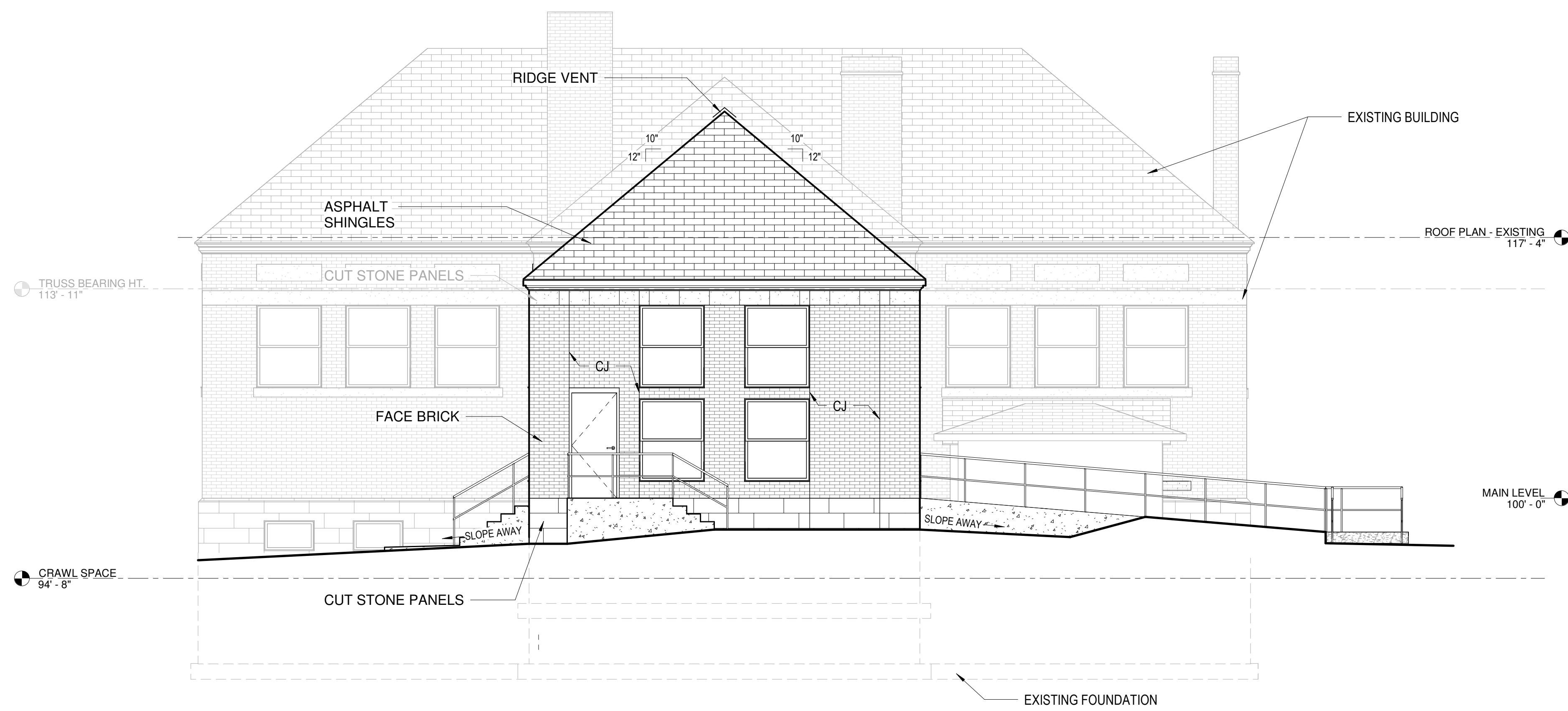
No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

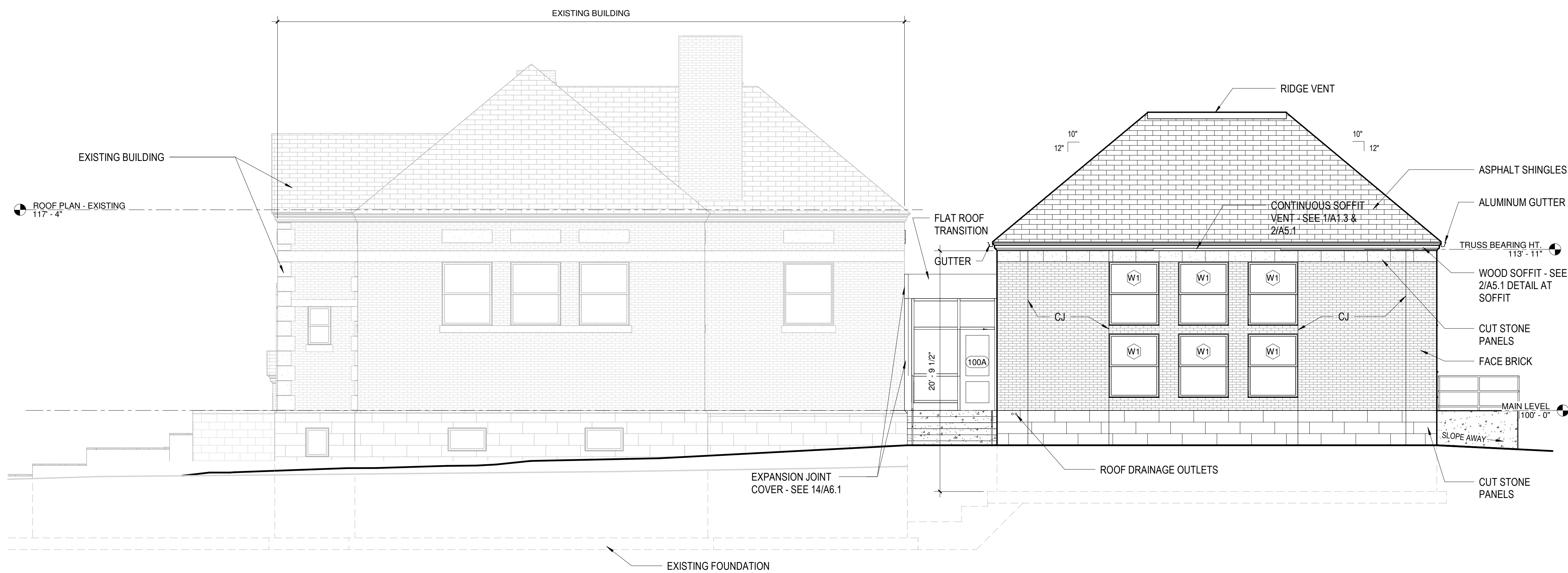
IRONWOOD, MI
EXTERIOR ELEVATIONS
ALTERNATE

PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF
CHECKED BY TLM

AA2.1



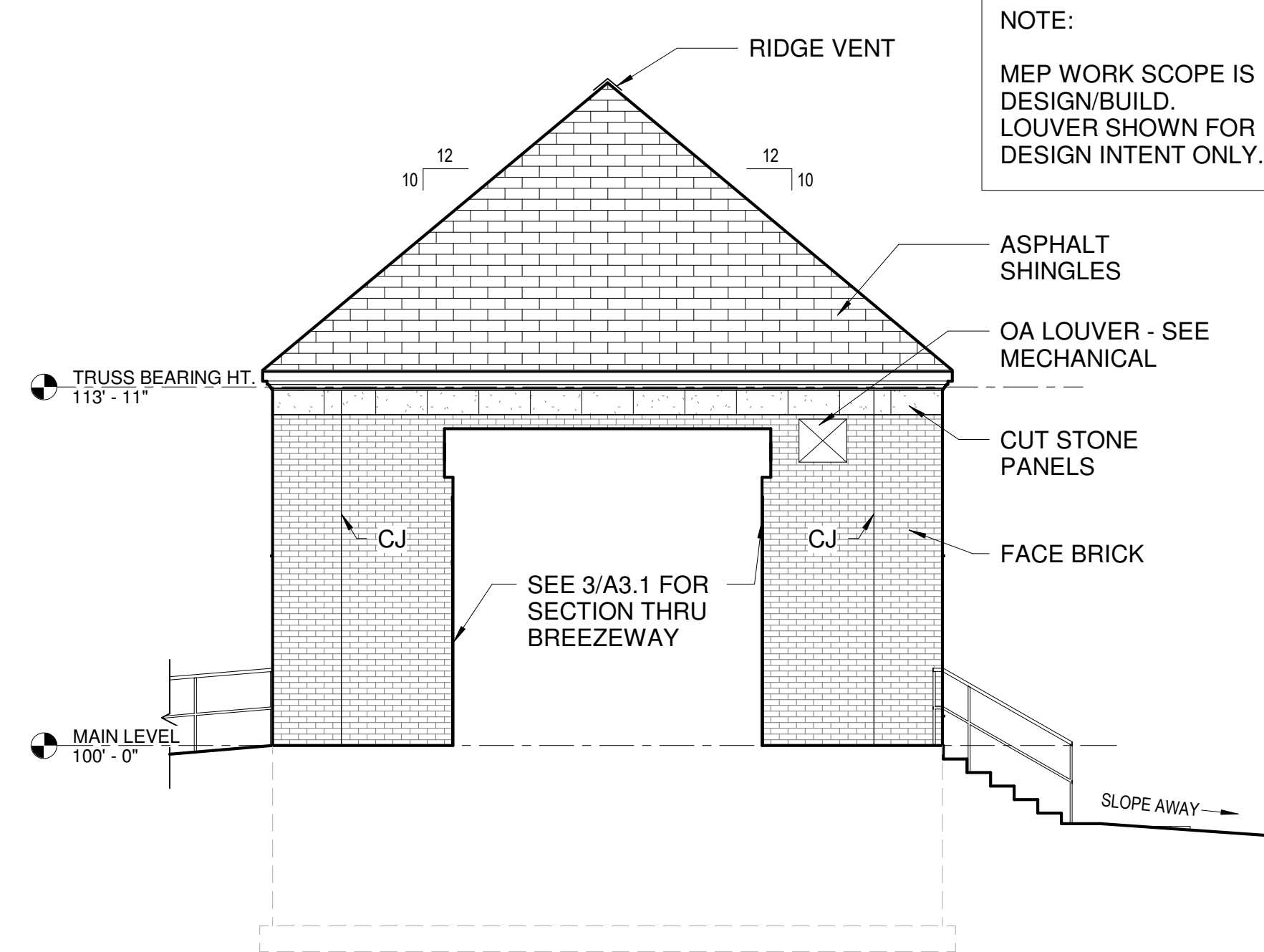
1 ELEVATION - SOUTH
3/16" = 1'-0"



2 ELEVATION - WEST
3/16" = 1'-0"

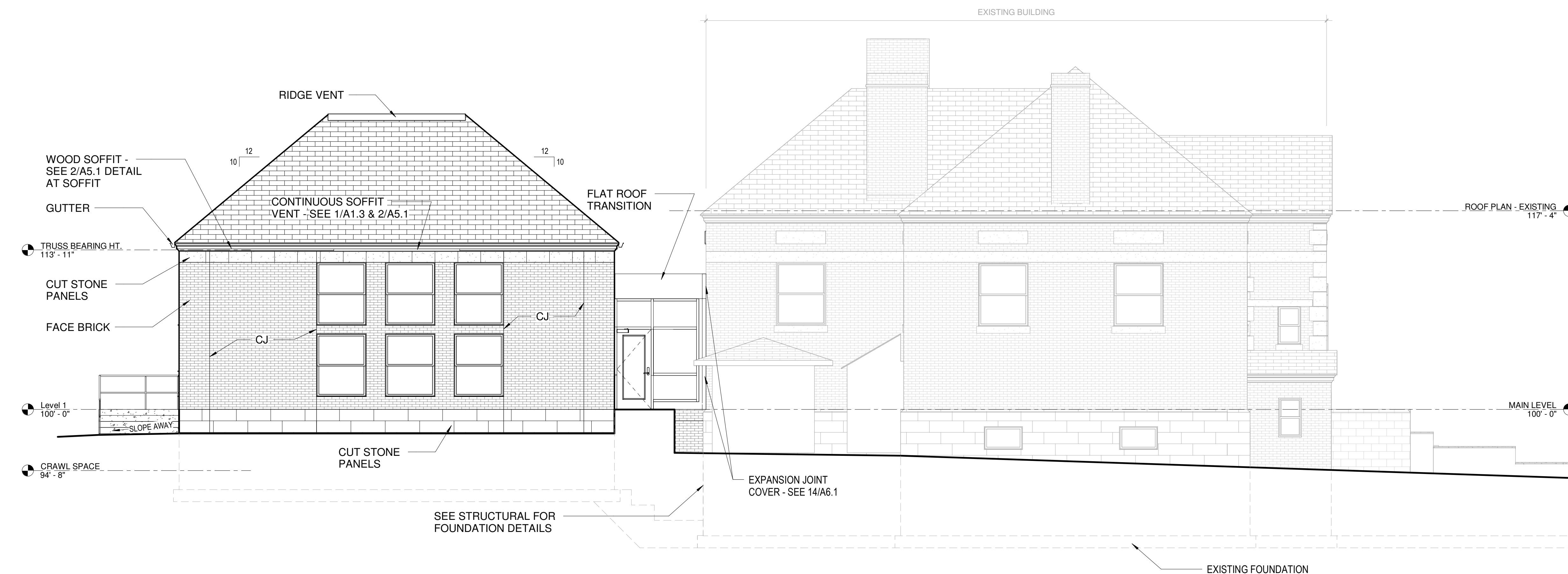


① ELEVATION - NORTH
3/16" = 1'-0"



③ EXTERIOR ELEVATION - NORTH
PARTIAL
3/16" = 1'-0"

NOTE:
MEP WORK SCOPE IS
DESIGN/BUILD.
LOUVER SHOWN FOR
DESIGN INTENT ONLY.



② ELEVATION - EAST
3/16" = 1'-0"

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No.	Description	Date

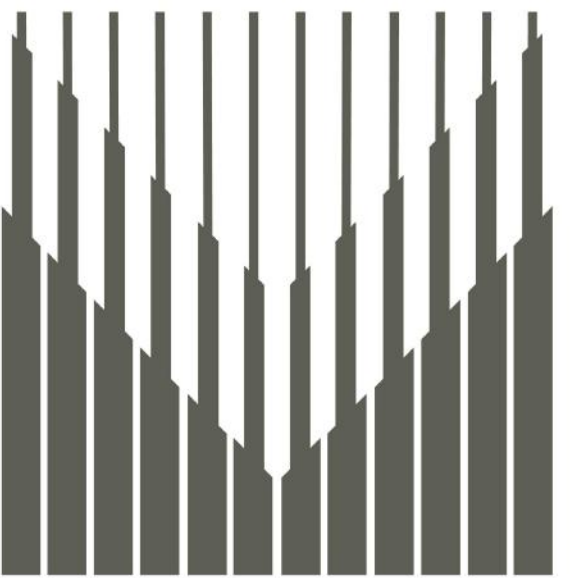
IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
EXTERIOR ELEVATIONS
ALTERNATE

PROJECT NUMBER 24-022
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AA2.2

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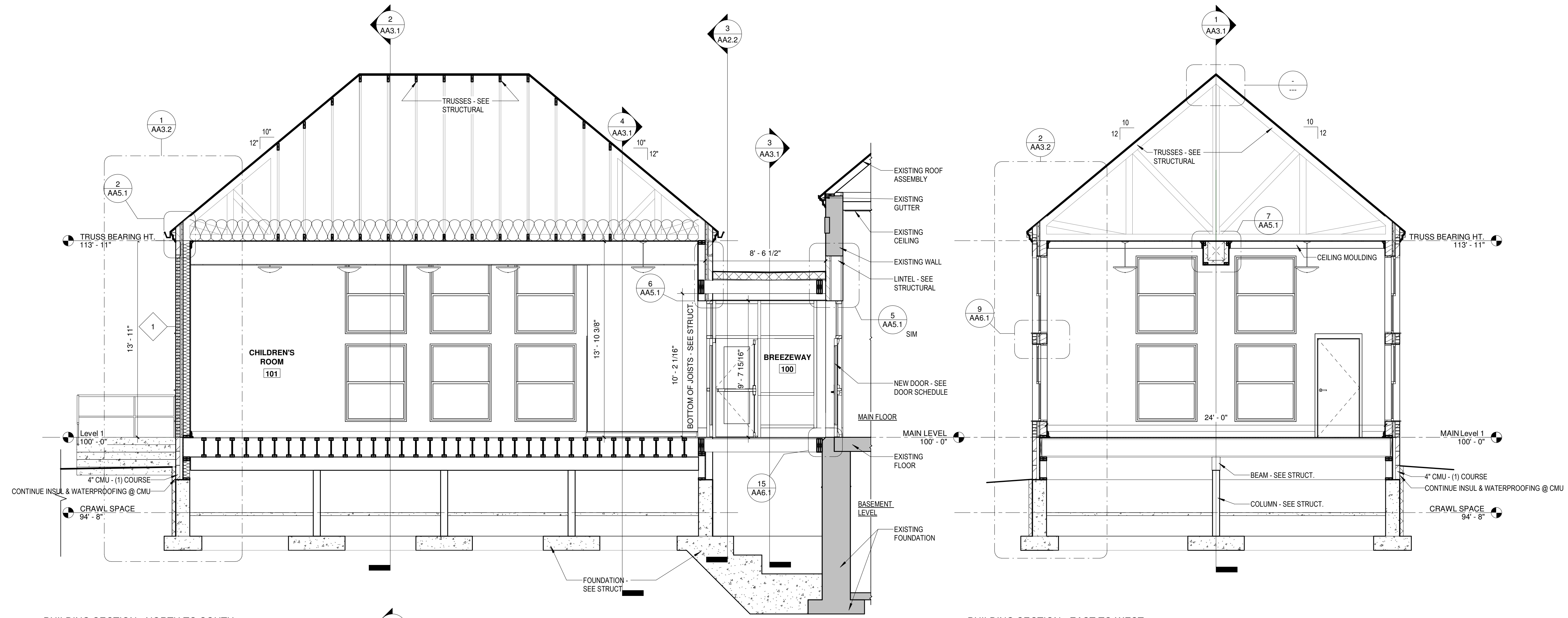
No.	Description	Date

**IRONWOOD CARNEGIE
LIBRARY**

**IRONWOOD, MI
BUILDING SECTIONS
ALTERNATE**

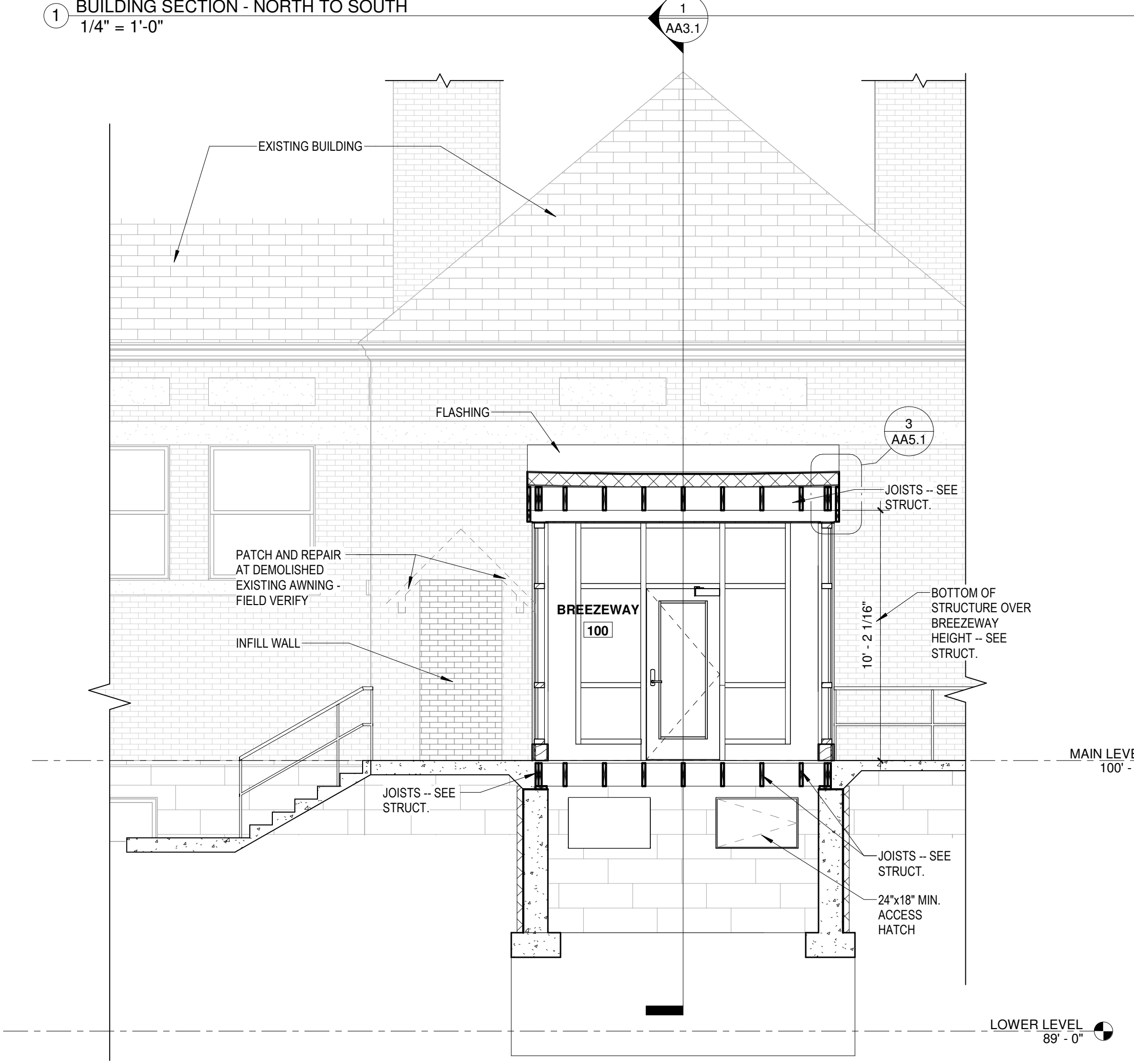
PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF
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AA3.1

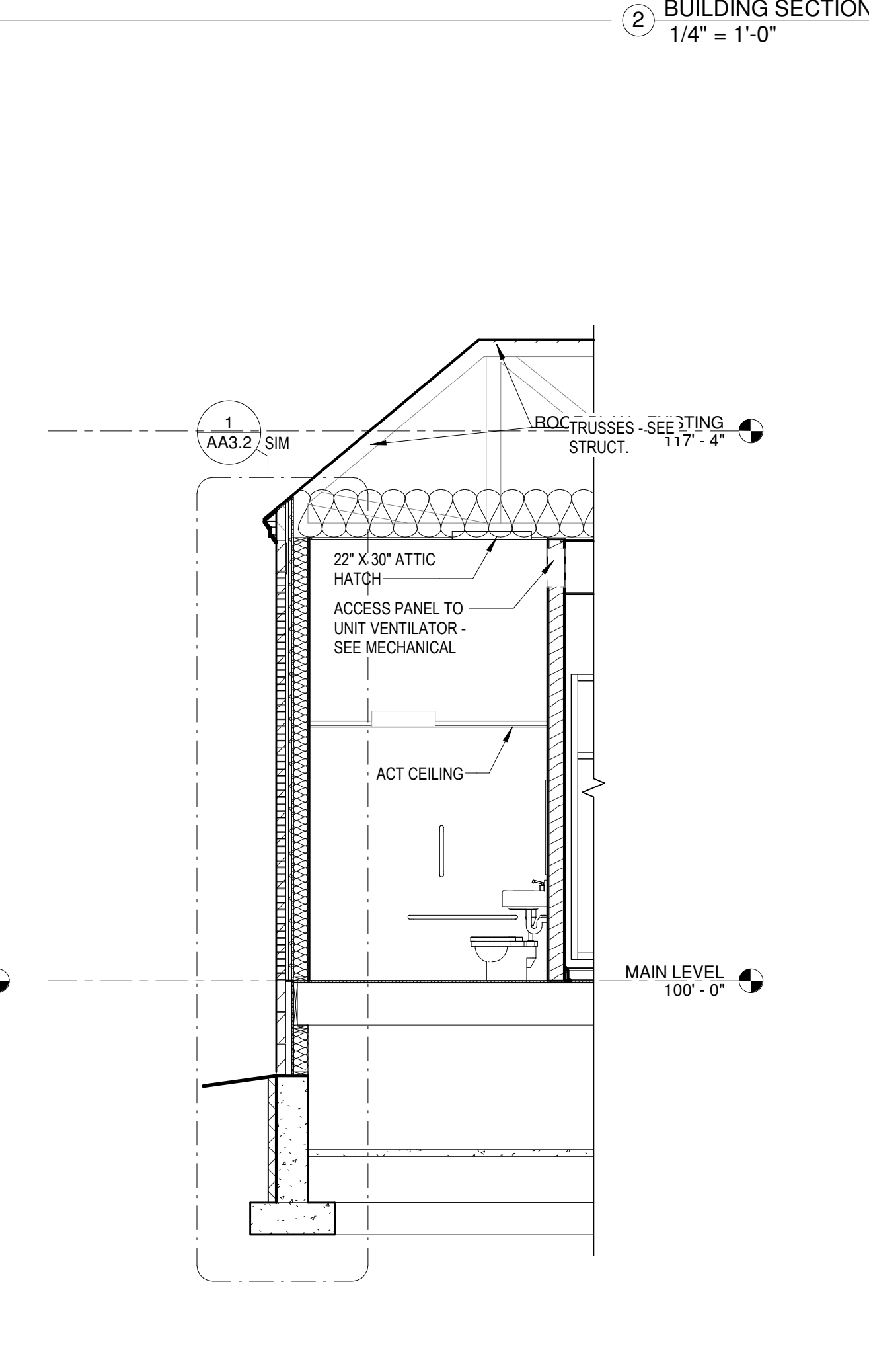


1 BUILDING SECTION - NORTH TO SOUTH
1/4" = 1'-0"

2 BUILDING SECTION - EAST TO WEST
1/4" = 1'-0"

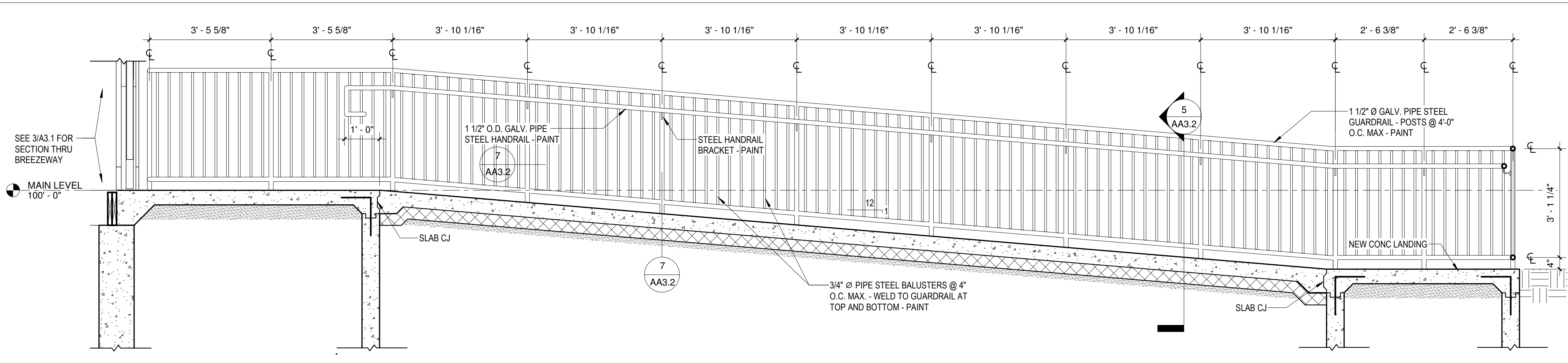


3 SECTION THRU BREEZEWAY
1/4" = 1'-0"



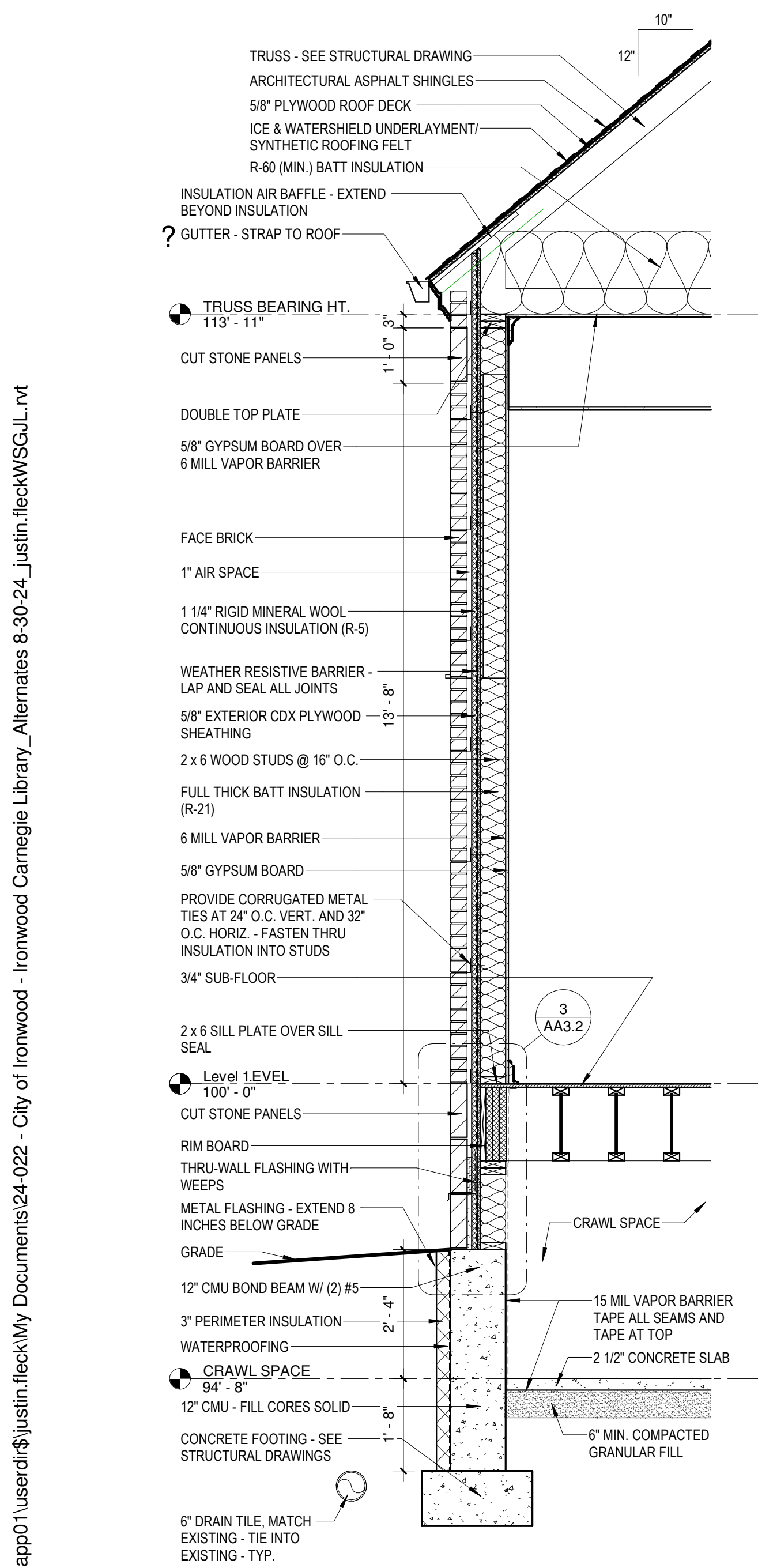
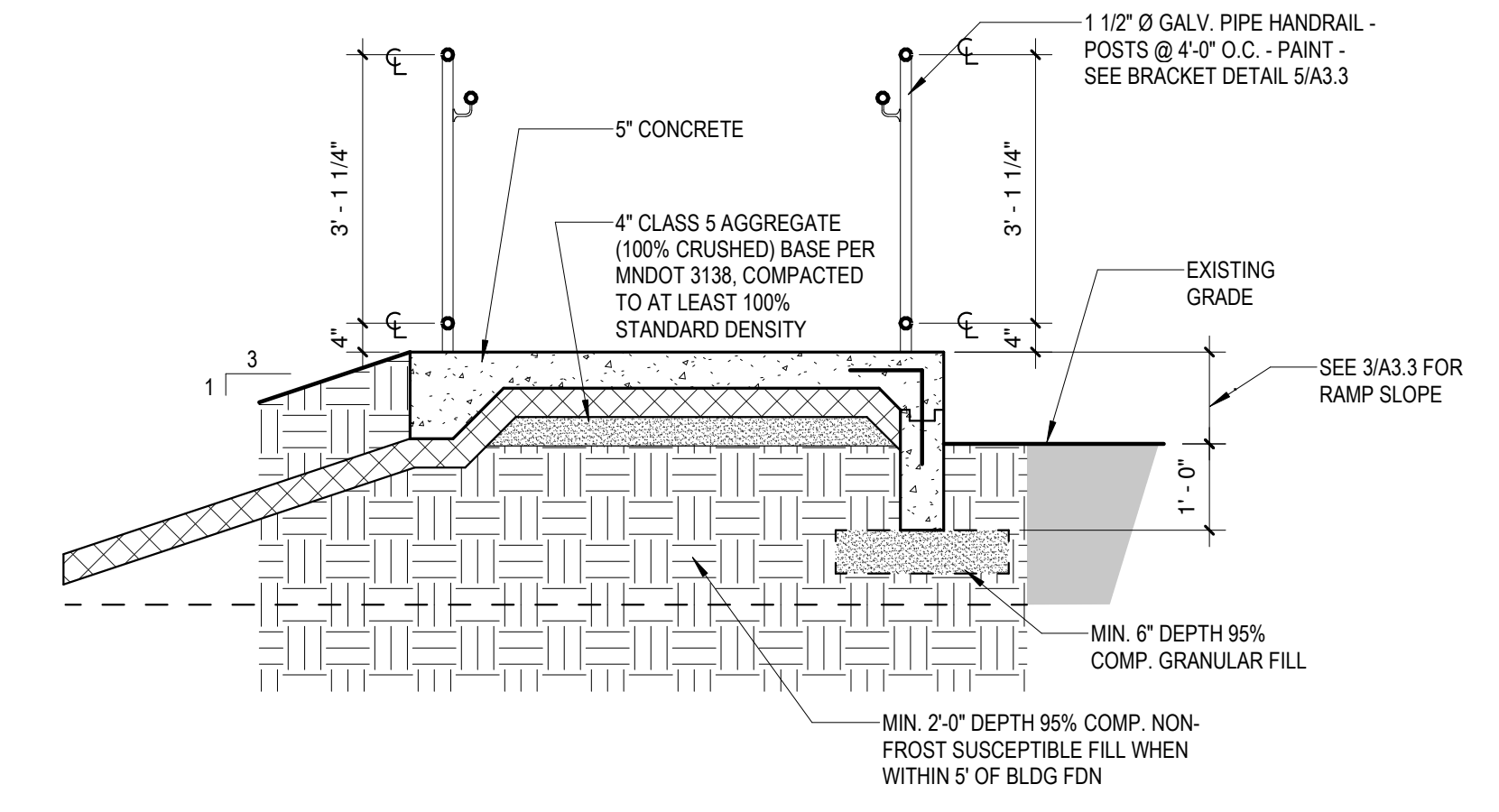
4 SECTION THRU TOILET ROOM
1/4" = 1'-0"

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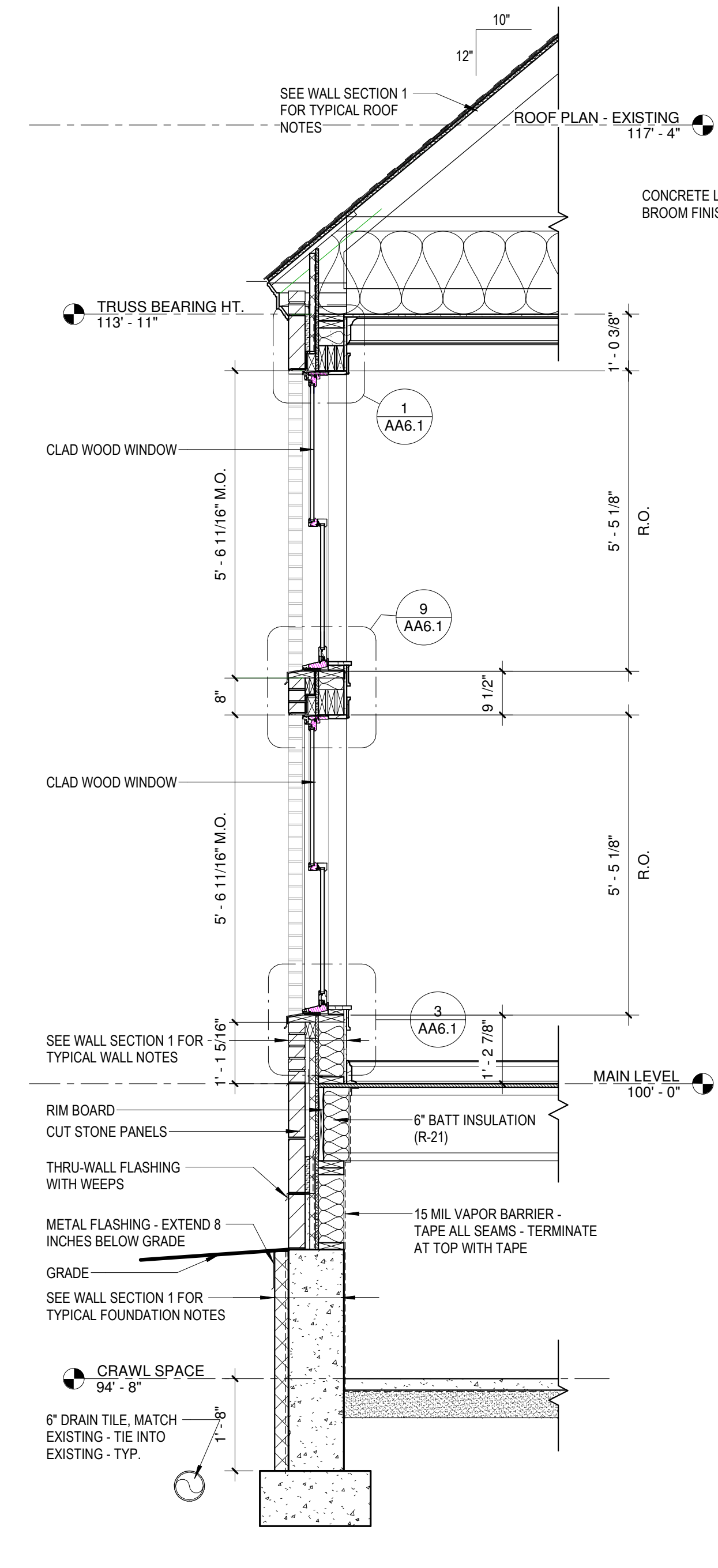


4 SECTION @ RAMP TO BUILDING
1/2" = 1'-0"

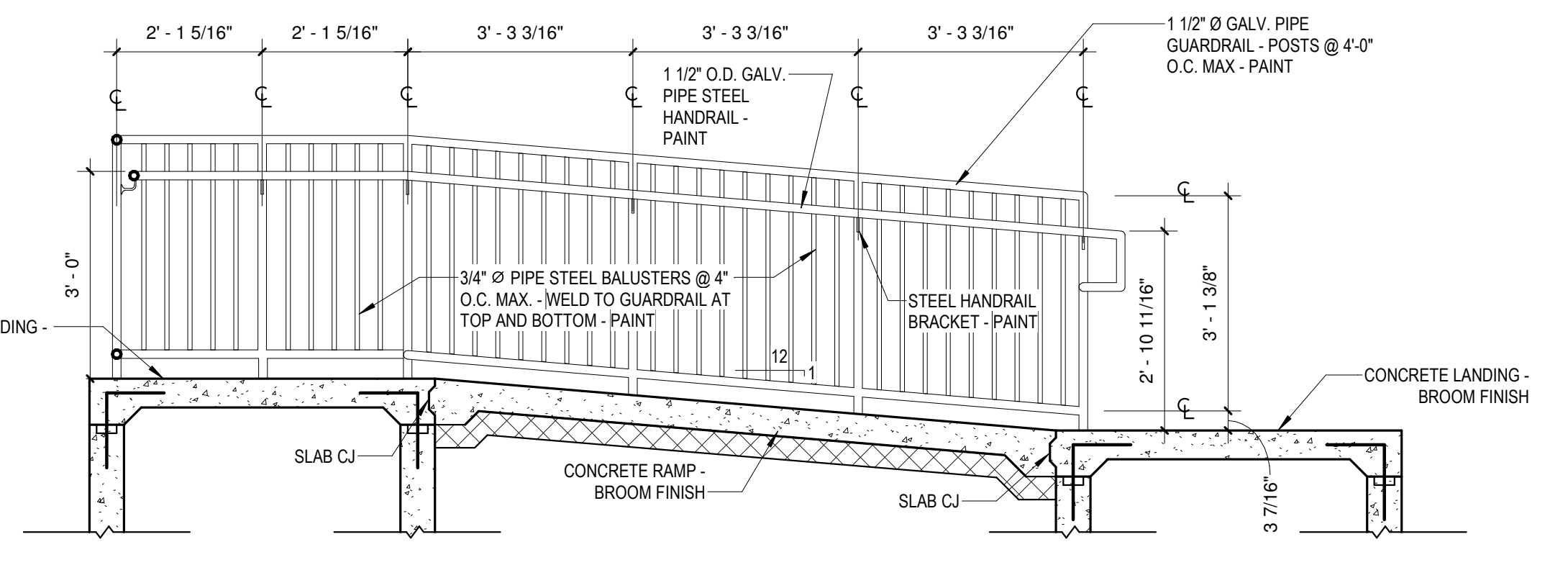
5 RAMP SECTION - CROSSWISE
1/2" = 1'-0"



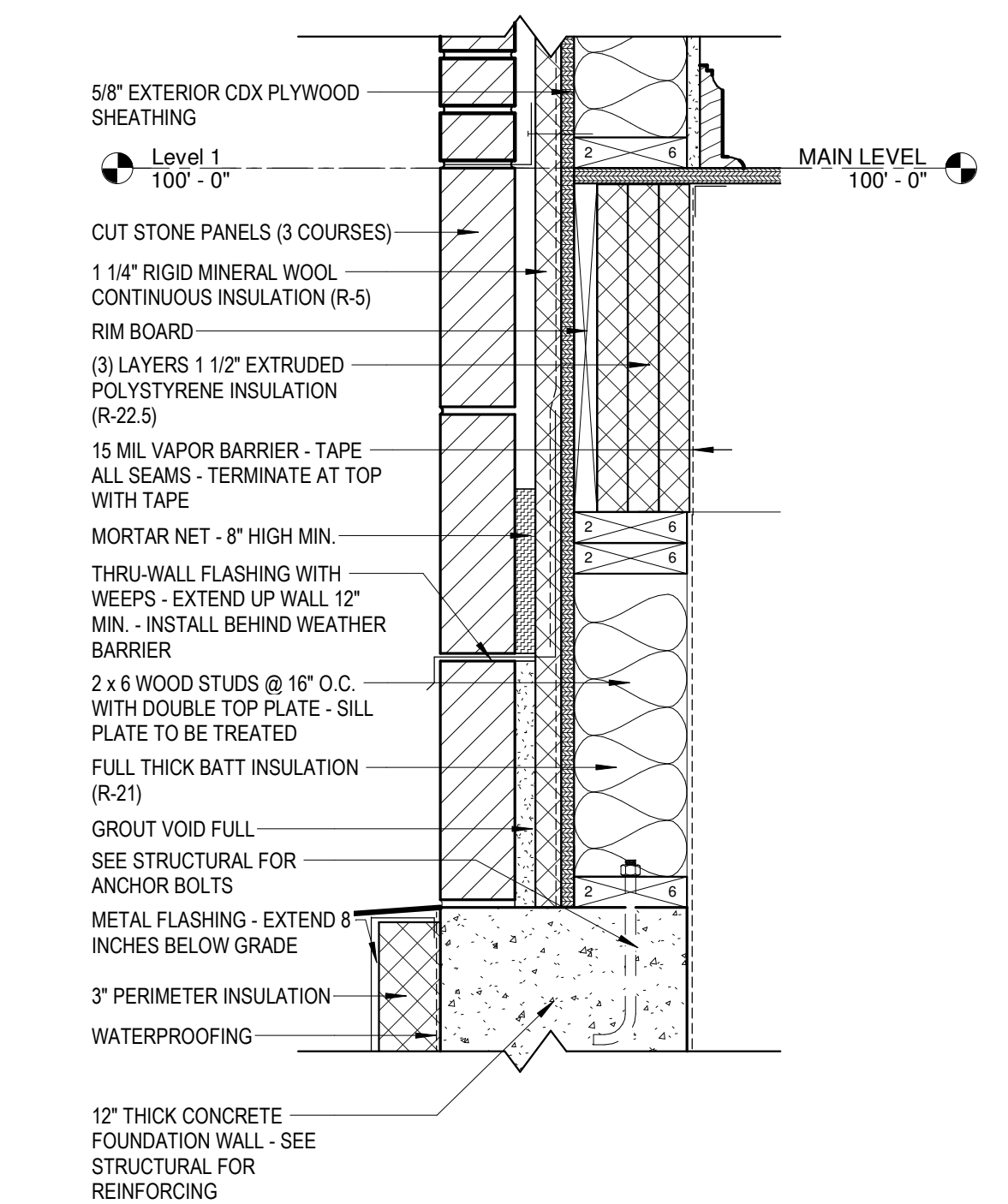
1 WALL SECTION
1/2" = 1'-0"



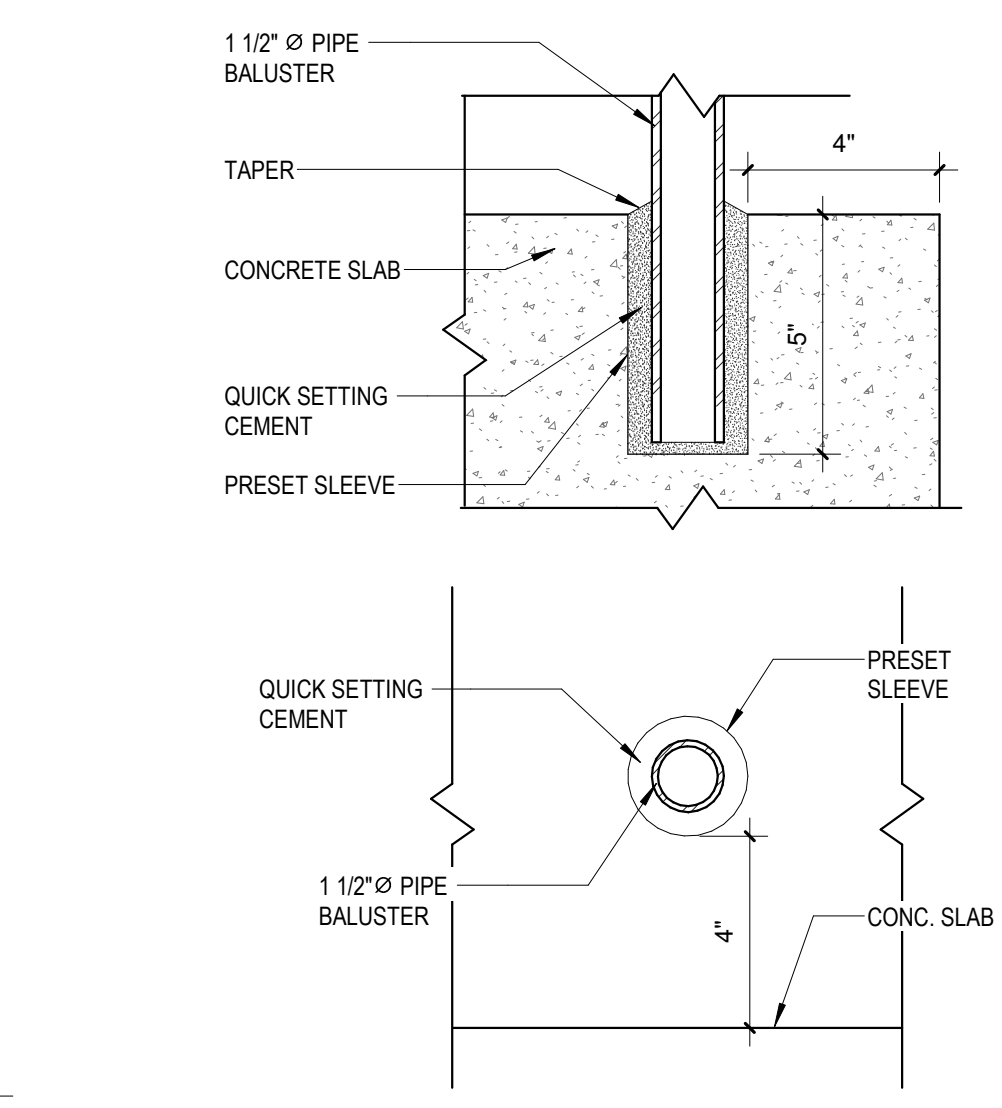
2 WALL SECTION 2
1/2" = 1'-0"



6 RAMP SECTION 2
1/2" = 1'-0"

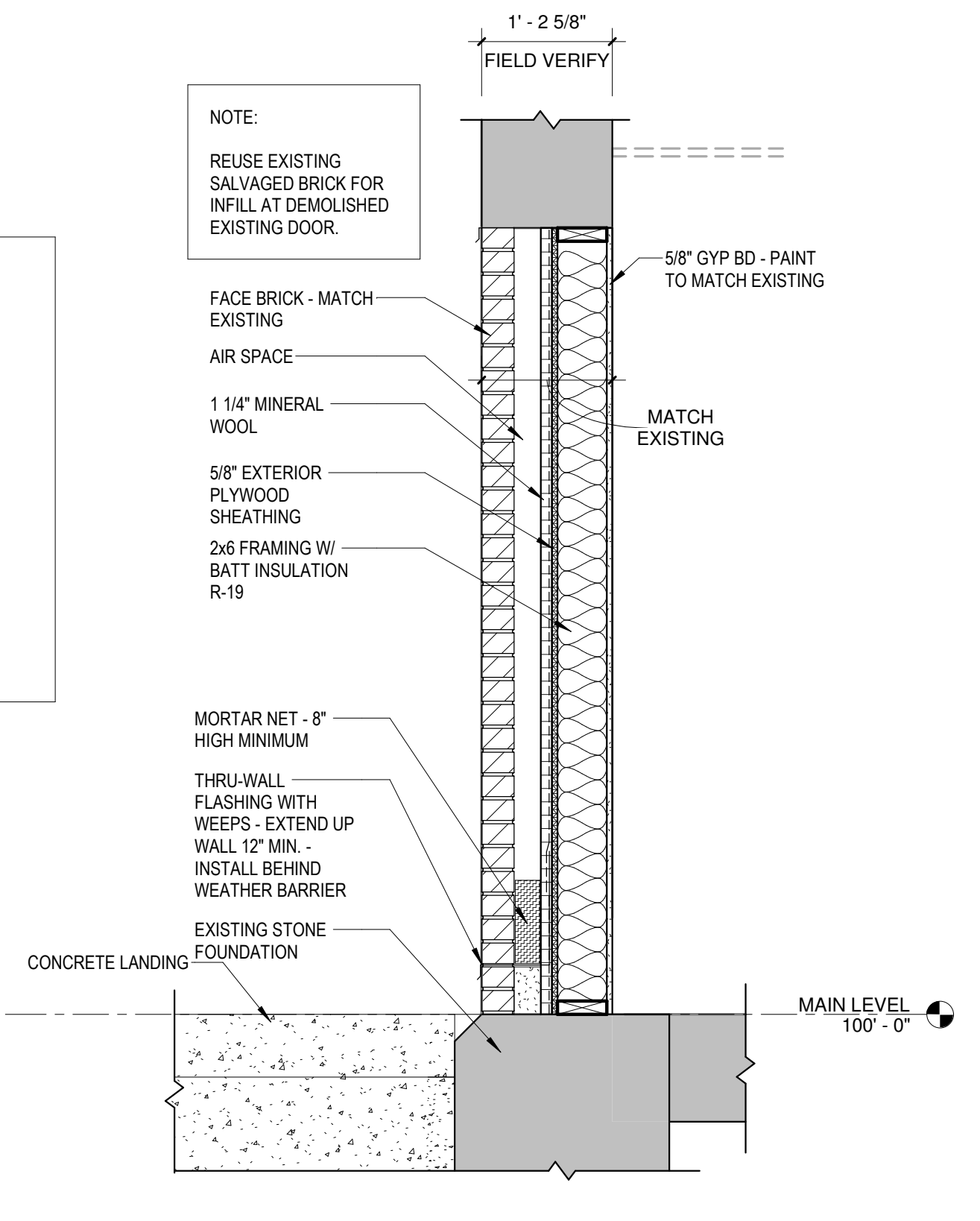


3 TYPICAL WALL DETAIL AT CRAWL SPACE
1 1/2" = 1'-0"



7 TYPICAL BALUSTER PLAN AND SECTION
3" = 1'-0"

- HANDRAIL AND RAMP GENERAL NOTES:**
1. PROVIDE EXPANSION JOINT SPLICE FOR RAILINGS AS NECESSARY.
 2. HANDRAIL EXTENSIONS MUST EXTEND BEYOND THE TOP AND BOTTOM OF RAMP RUN AS INDICATED IN THE MN ACCESSIBILITY CODE (TYPICAL).
 3. SEE SHEET (A3.3) FOR ADDITIONAL DIMENSIONS BETWEEN BALUSTERS.
 4. METAL FABRICATOR TO PROVIDE SHOP DRAWINGS AND NOTIFY ARCH. OF ANY CONFLICTS WITH THESE DETAILS.
 5. ALL EXPOSED STEEL SHALL HAVE WELDS GROUND SMOOTH - PRIME & PAINT.
 6. STEEL NOT EXPOSED MAY BE RAW.



8 SECTION AT INFILL WALL
3/4" = 1'-0"

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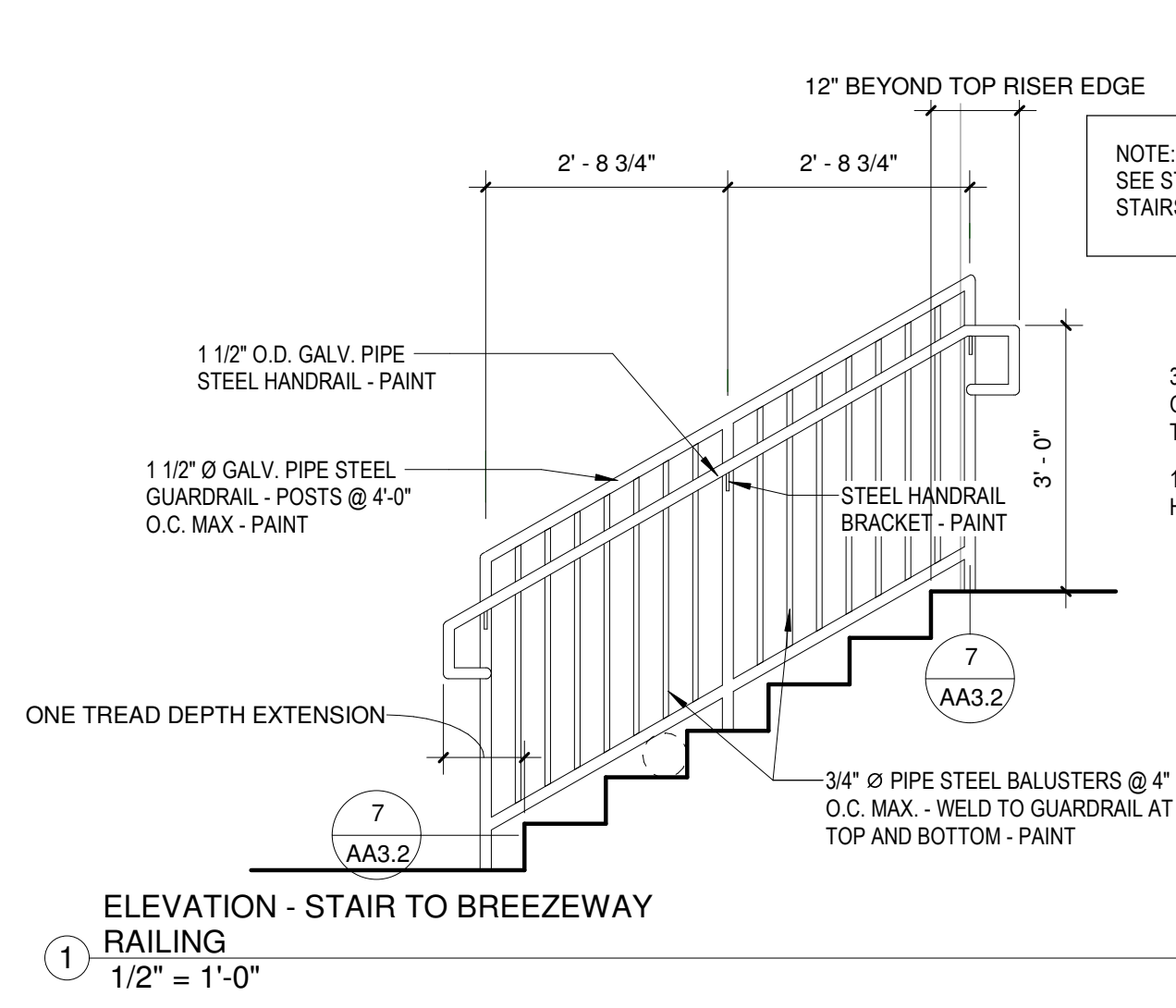
IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI WALL SECTIONS ALTERNATE

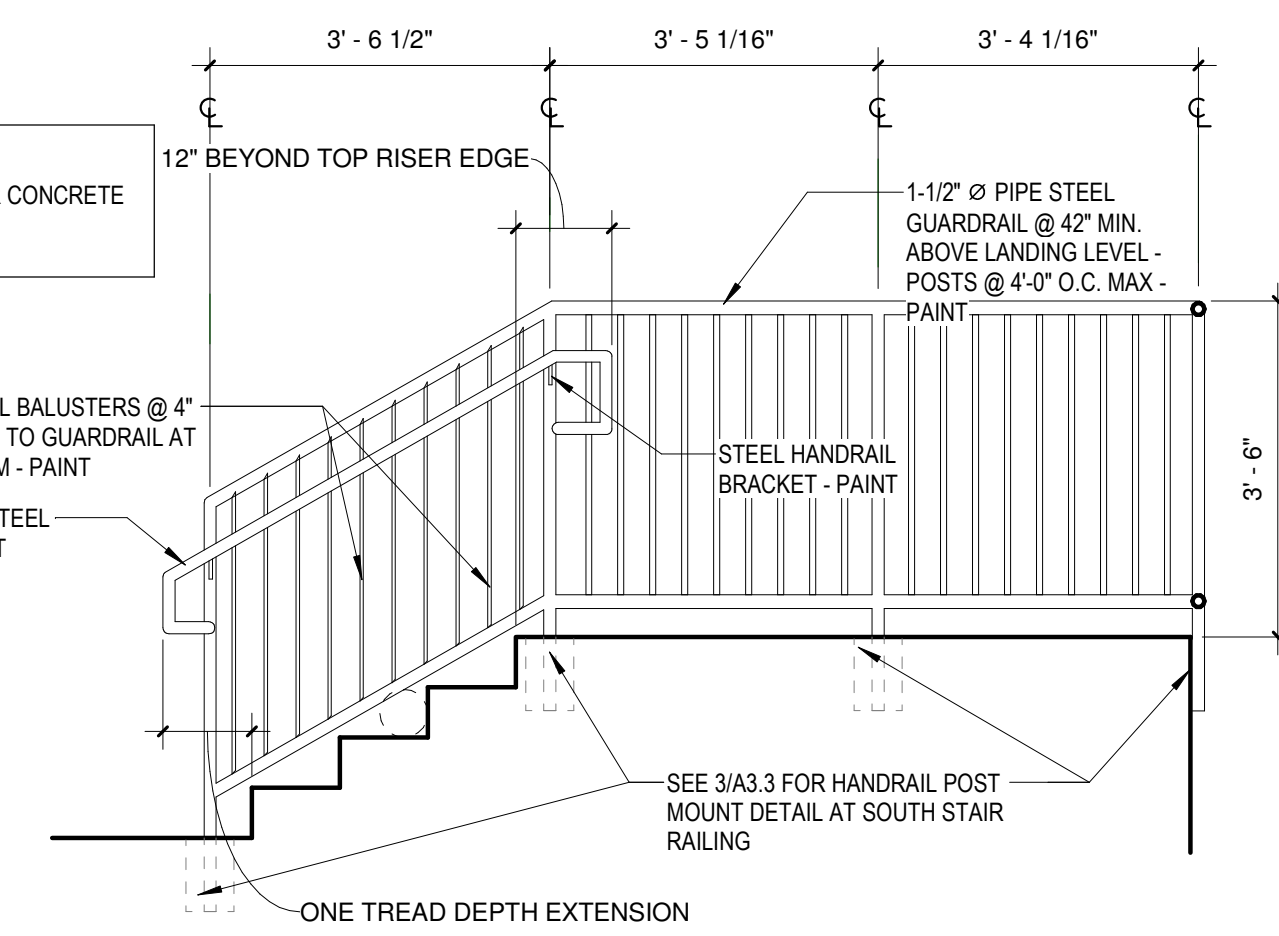
PROJECT NUMBER 24-022
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AA3.2

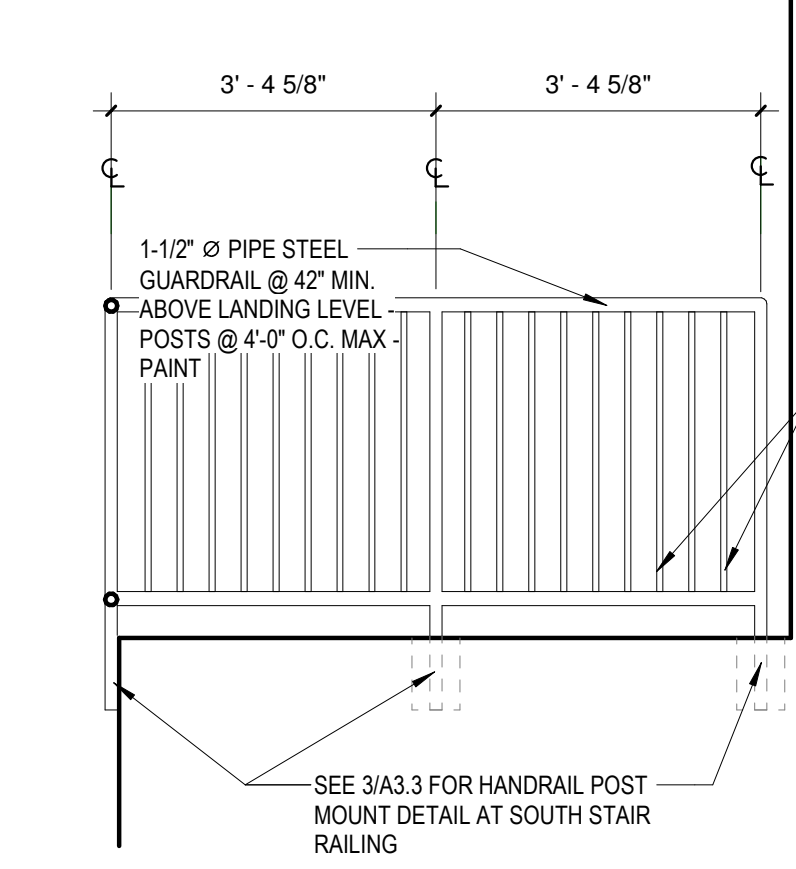
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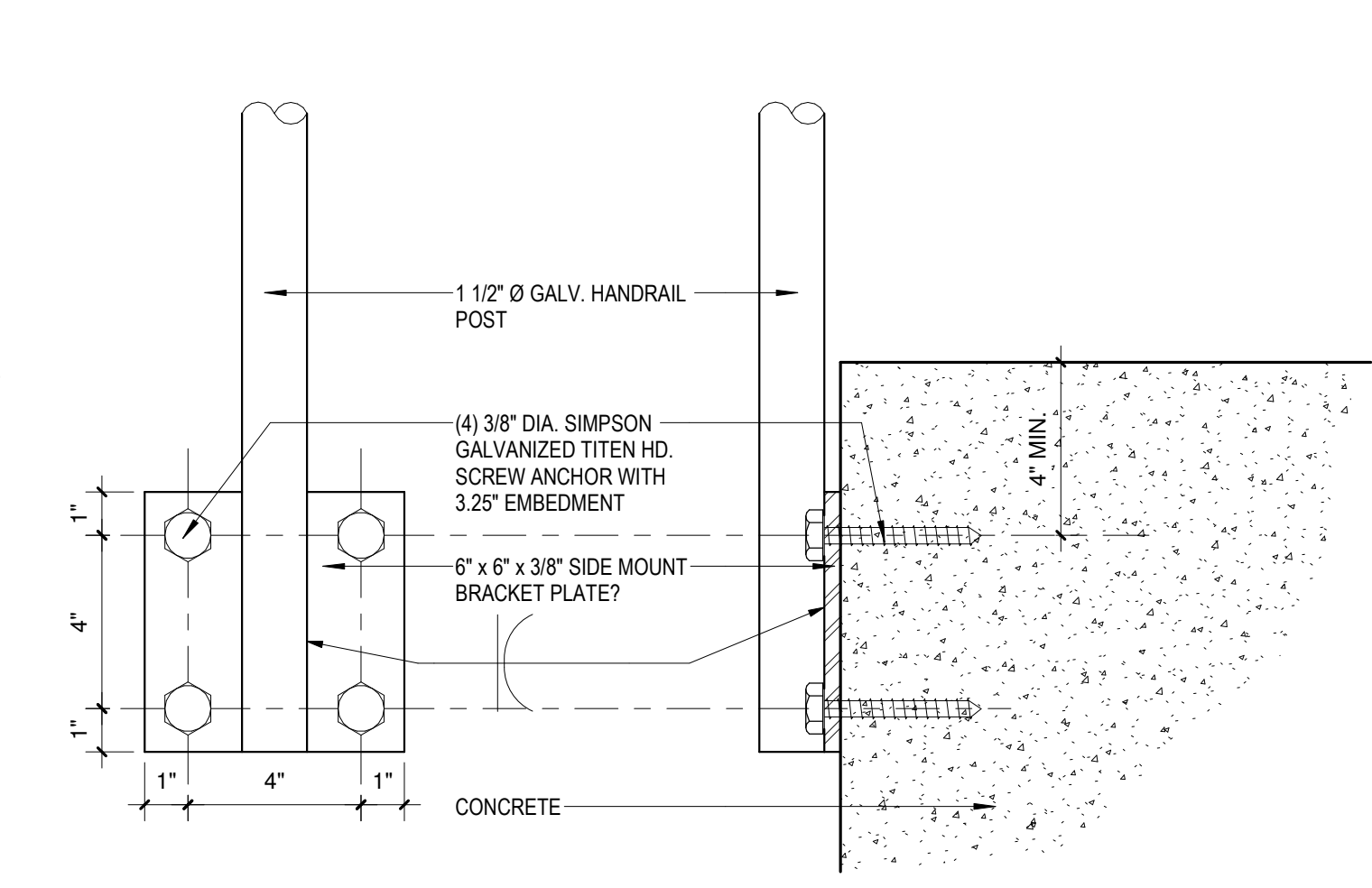
① ELEVATION - STAIR TO BREEZEWAY RAILING
1/2" = 1'-0"



② ELEVATION - STAIR RAILING
1/2" = 1'-0"



④ ELEVATION - STAIR RAILING AT LANDING
1/2" = 1'-0"



③ HANDRAIL POST MOUNT DETAIL
3" = 1'-0"

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No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
STAIR RAILING AND
DETAILS ALTERNATE

PROJECT NUMBER	24-022
DATE	9-17-2024
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AA3.3

ALTERNATE



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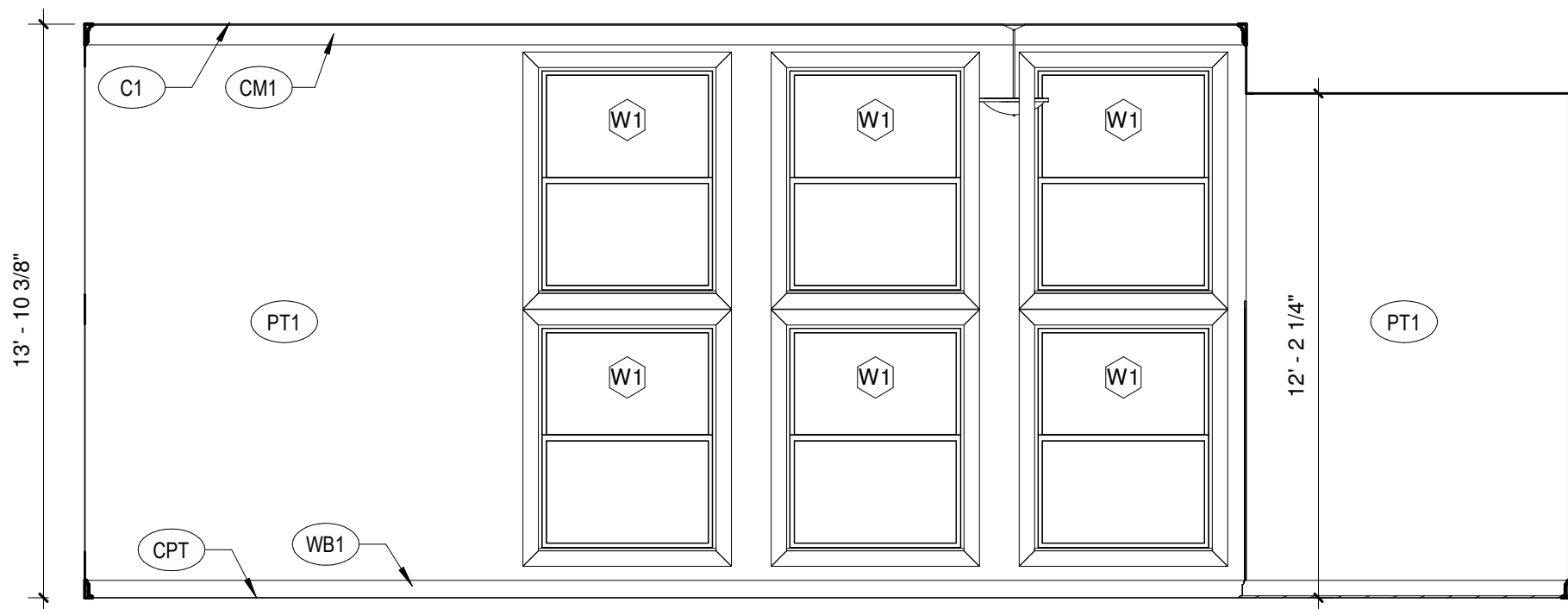
No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

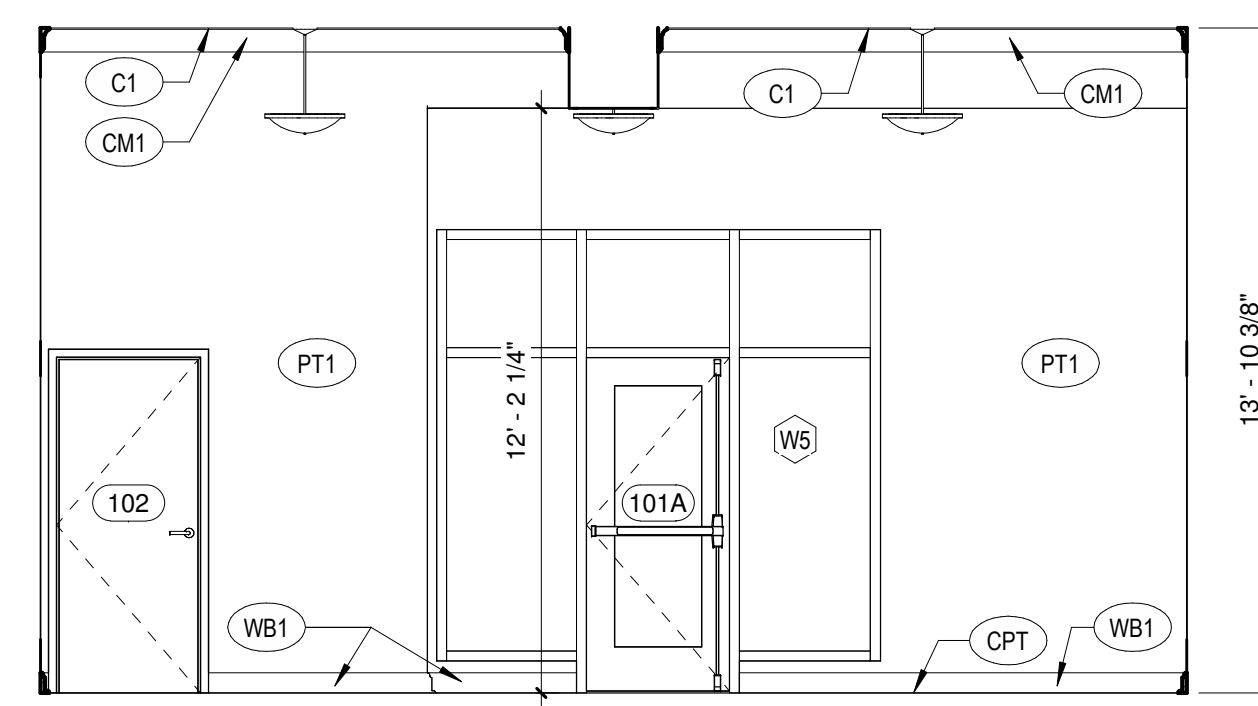
**IRONWOOD, MI
 INTERIOR ELEVATIONS
 ALTERNATE**

PROJECT NUMBER 24-022
 DATE 9-17-2024
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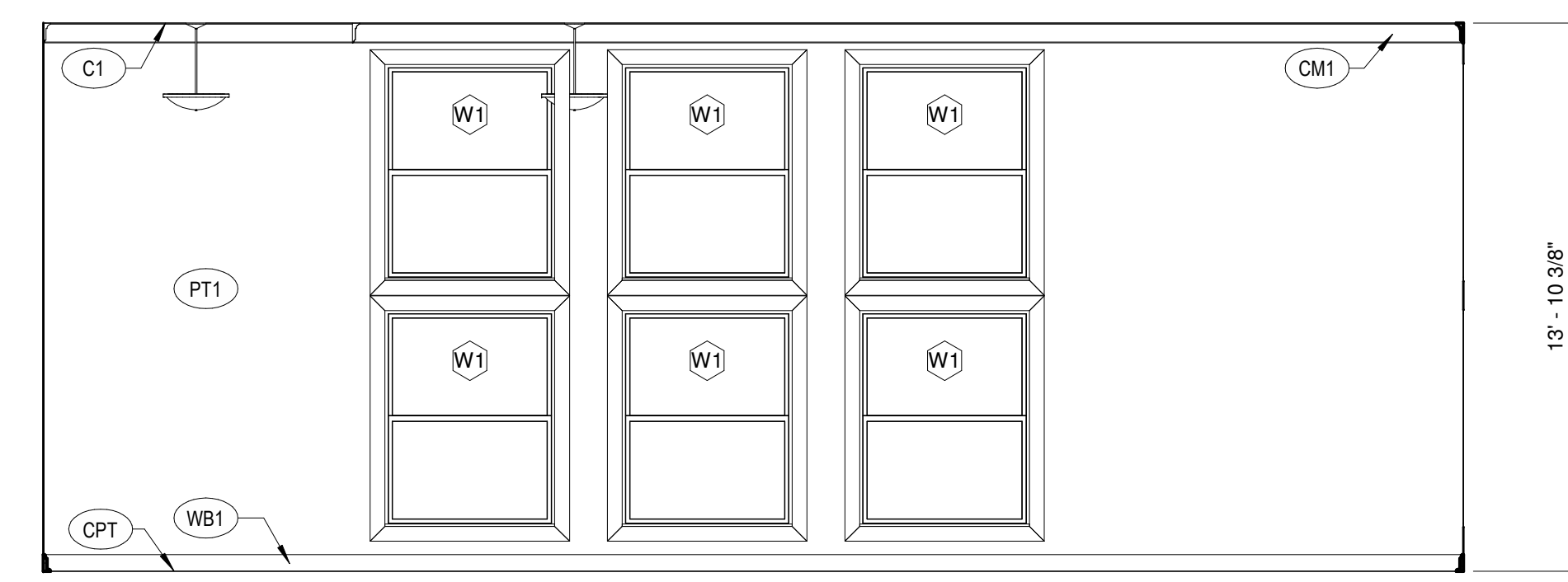
AA4.1



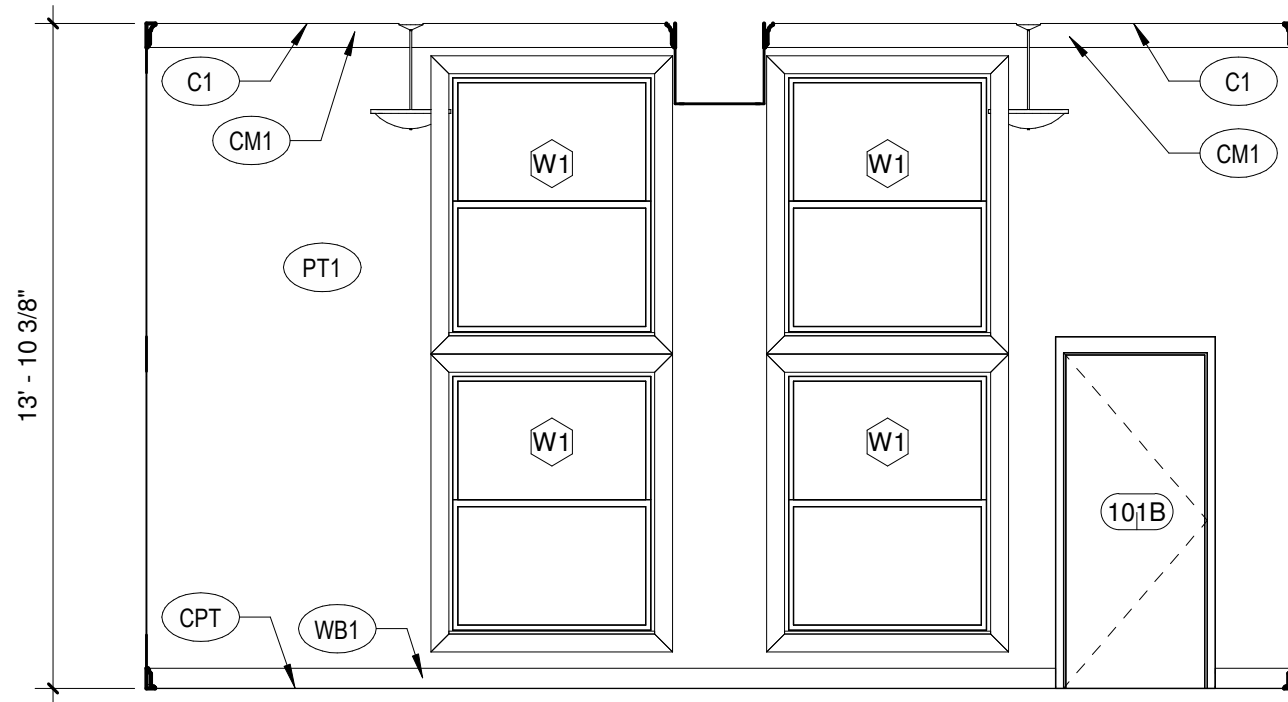
1 INTERIOR ELEVATION - WEST
 1/4" = 1'-0"



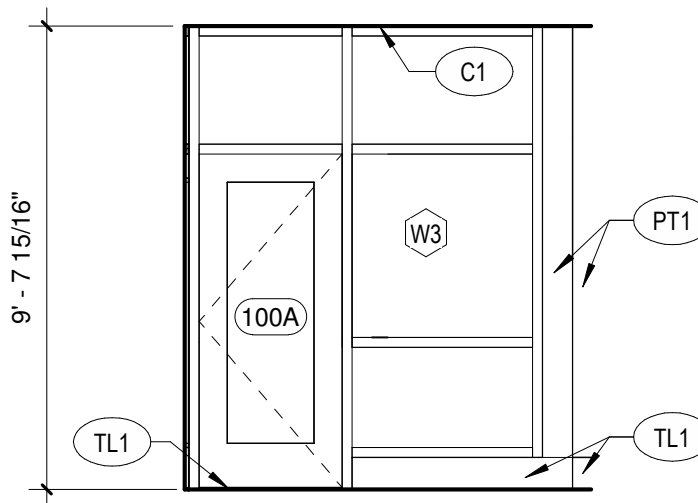
2 INTERIOR ELEVATION - NORTH
 1/4" = 1'-0"



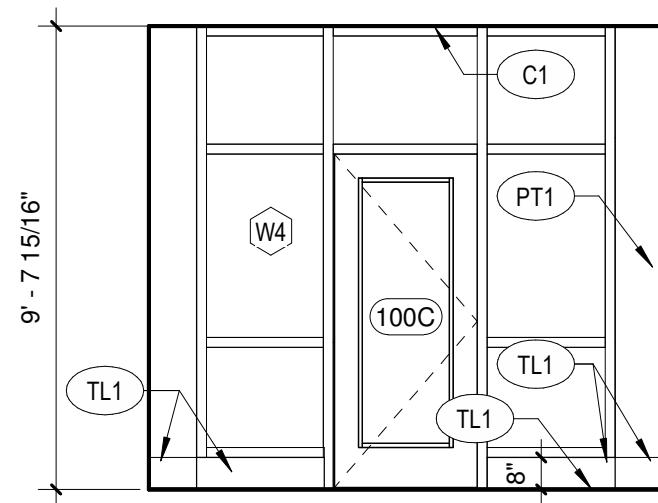
3 INTERIOR ELEVATION - EAST
 1/4" = 1'-0"



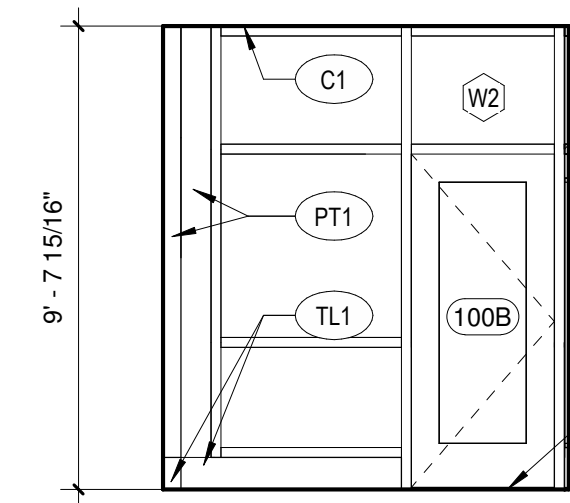
4 INTERIOR ELEVATION - SOUTH
 1/4" = 1'-0"



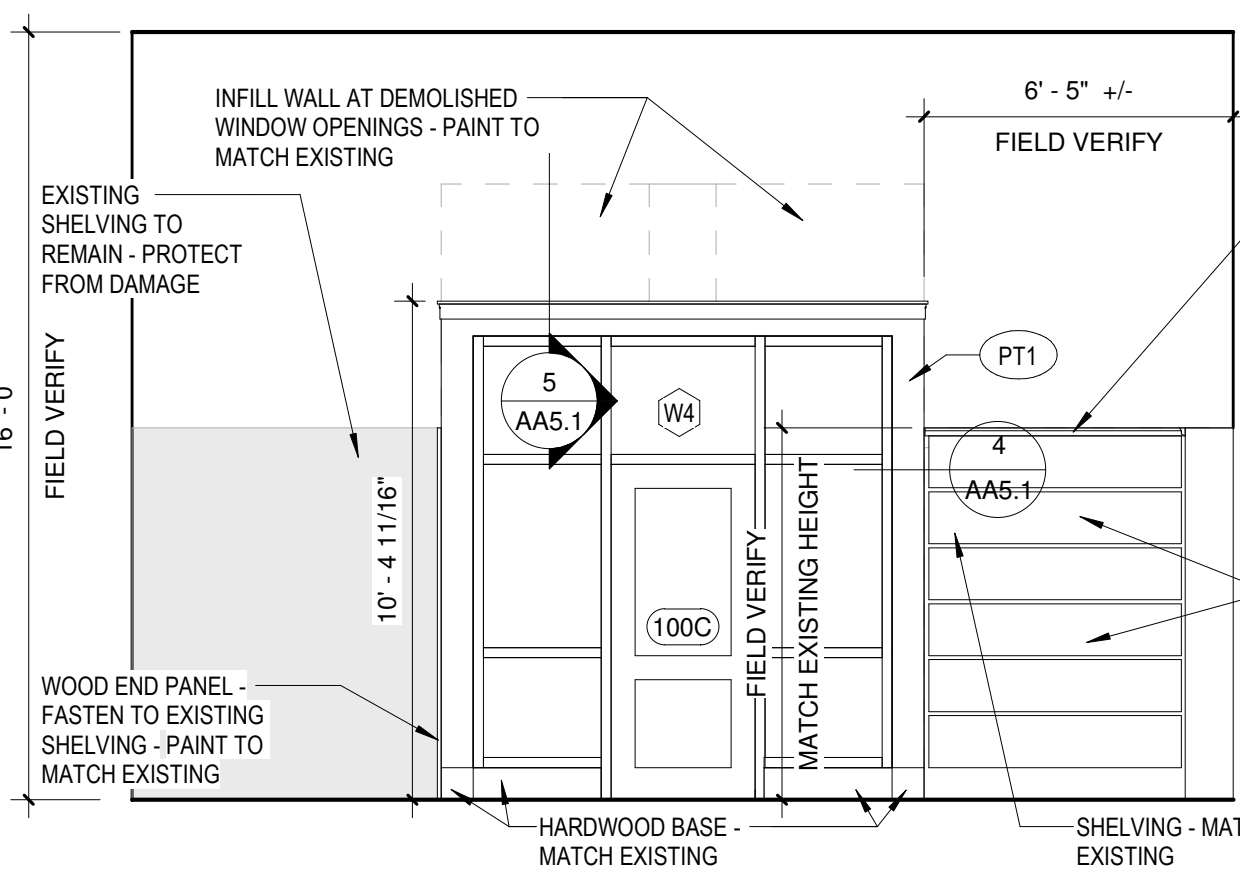
5 INTERIOR ELEVATION - BREEZEWAY WEST
 1/4" = 1'-0"



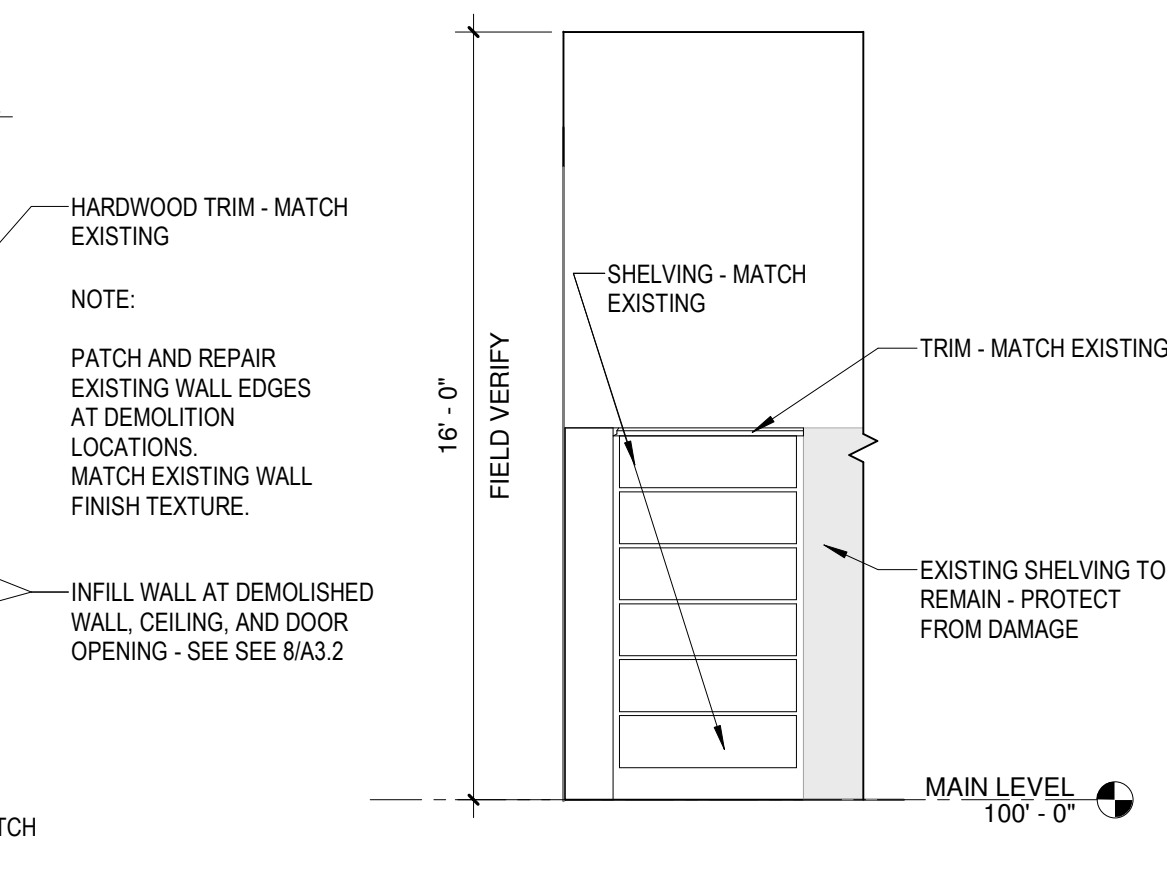
6 INTERIOR ELEVATION - BREEZEWAY NORTH
 1/4" = 1'-0"



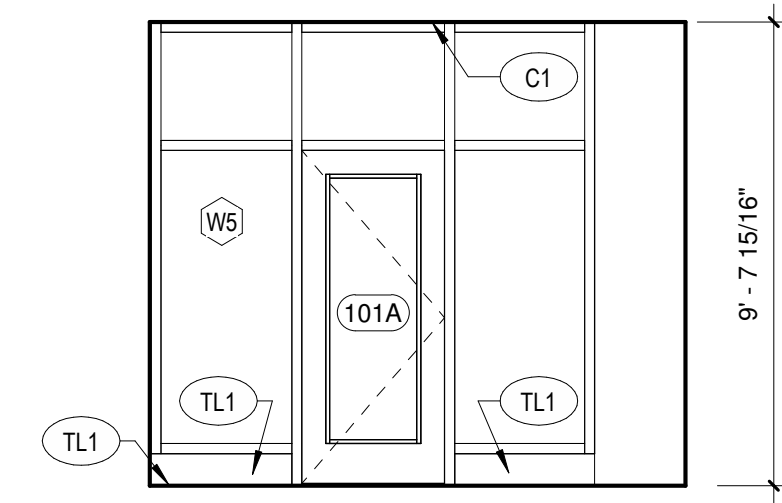
7 INTERIOR ELEVATION - BREEZEWAY EAST
 1/4" = 1'-0"



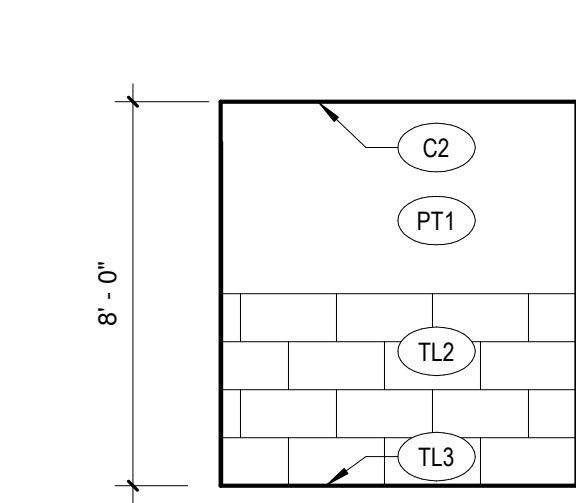
9 INTERIOR ELEVATION AT NEW ENTRYWAY
 1/4" = 1'-0"



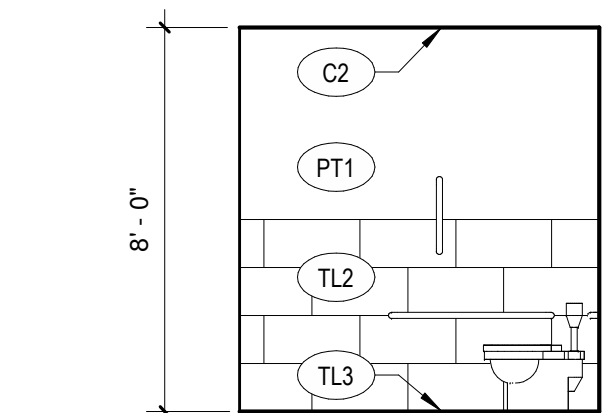
15 INTERIOR ELEVATION - RM. 14 WEST PARTIAL
 1/4" = 1'-0"



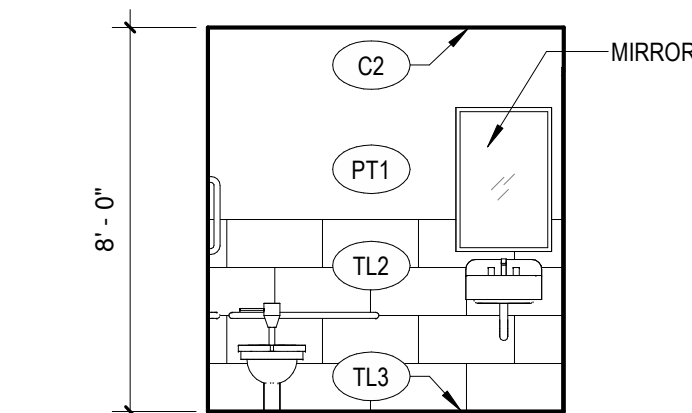
8 INTERIOR ELEVATION - BREEZEWAY SOUTH
 1/4" = 1'-0"



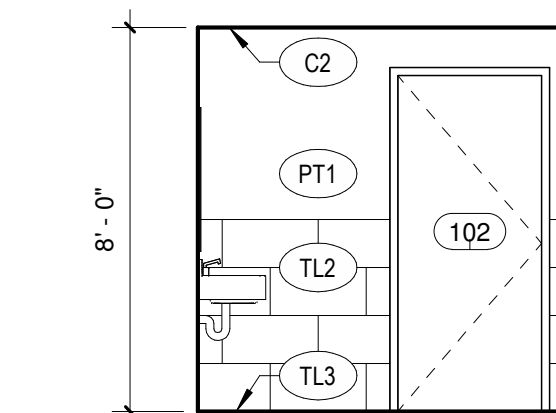
10 INTERIOR ELEVATION - TOILET ROOM - WEST
 1/4" = 1'-0"



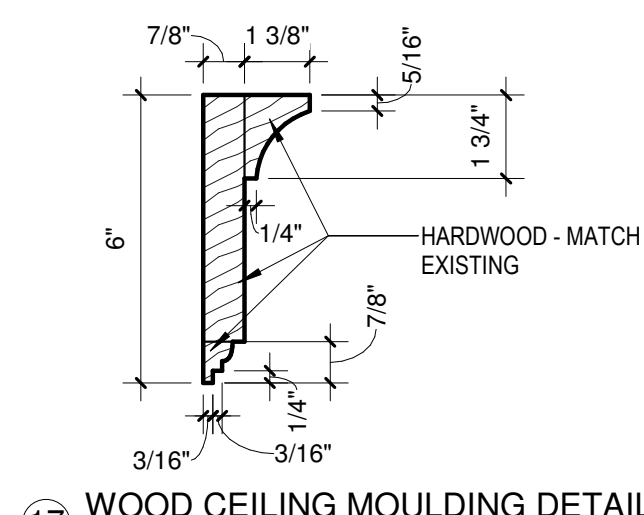
11 INTERIOR ELEVATION - TOILET ROOM - NORTH
 1/4" = 1'-0"



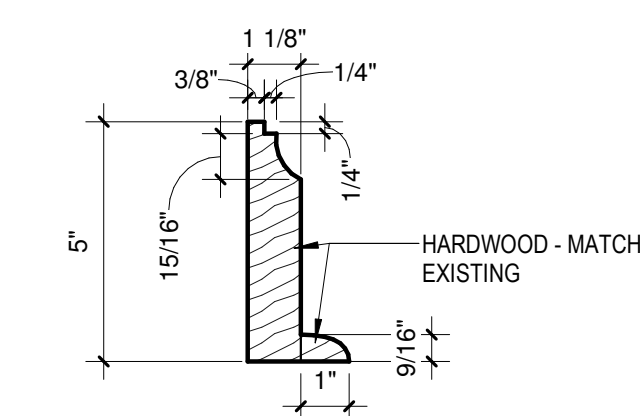
12 INTERIOR ELEVATION - TOILET ROOM - EAST
 1/4" = 1'-0"



13 INTERIOR ELEVATION - TOILET ROOM - SOUTH
 1/4" = 1'-0"



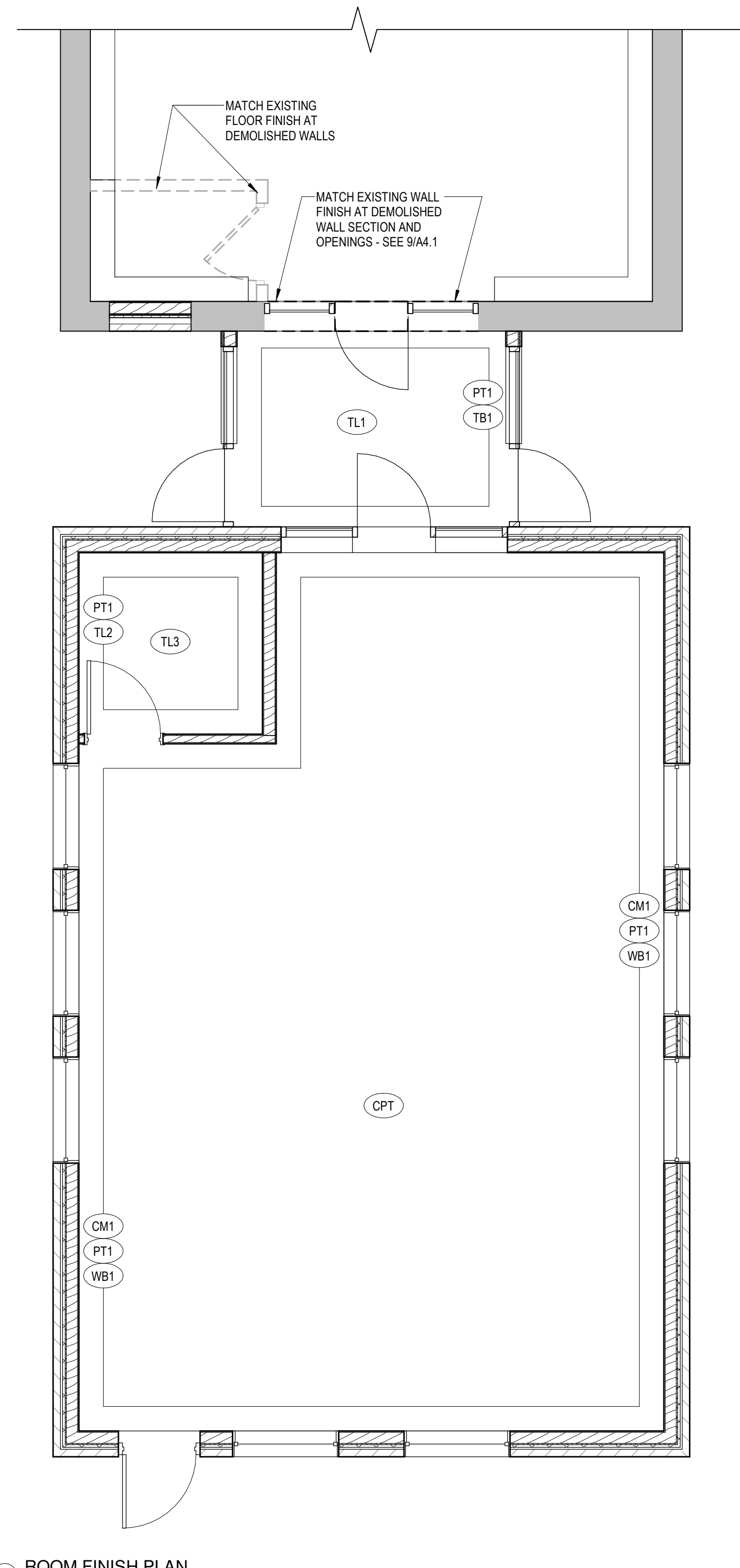
17 WOOD CEILING MOULDING DETAIL
 3" = 1'-0"



16 WOOD BASE DETAIL
 3" = 1'-0"

ROOM FINISH LEGEND

WALL FINISHES	CEILING
PT1 PAINT	C1 GYPSUM - PAINTED
WALL BASE	C2 2X2 ACT
WB1 WOOD BASE - SEE DETAIL 16/A4.1	CEILING MOULDING
FLOOR	CM1 WOOD CEILING MOULDING - SEE DETAIL 17/A4.1
CPT CARPET TILE, 24"x24" MOHAWK 977 IRON INDEX	
TL1 CERAMIC TILE, 24"x24" DAL TILE SLATE ATTACHE META LIGHT GRAY	
TL2 CERAMIC TILE, 12"x24" RUNNING BOND SLATE ATTACHE META WHITE	
TL3 CERAMIC TILE, 2"x2" MOSAIC GRID SLATE ATTACHE META WHITE	



14 ROOM FINISH PLAN
 1/4" = 1'-0"

NOTE:
 FIELD VERIFY DIMENSIONS AND MATCH EXISTING PROFILES FOR WOOD BASE AND WOOD CEILING MOULDING.

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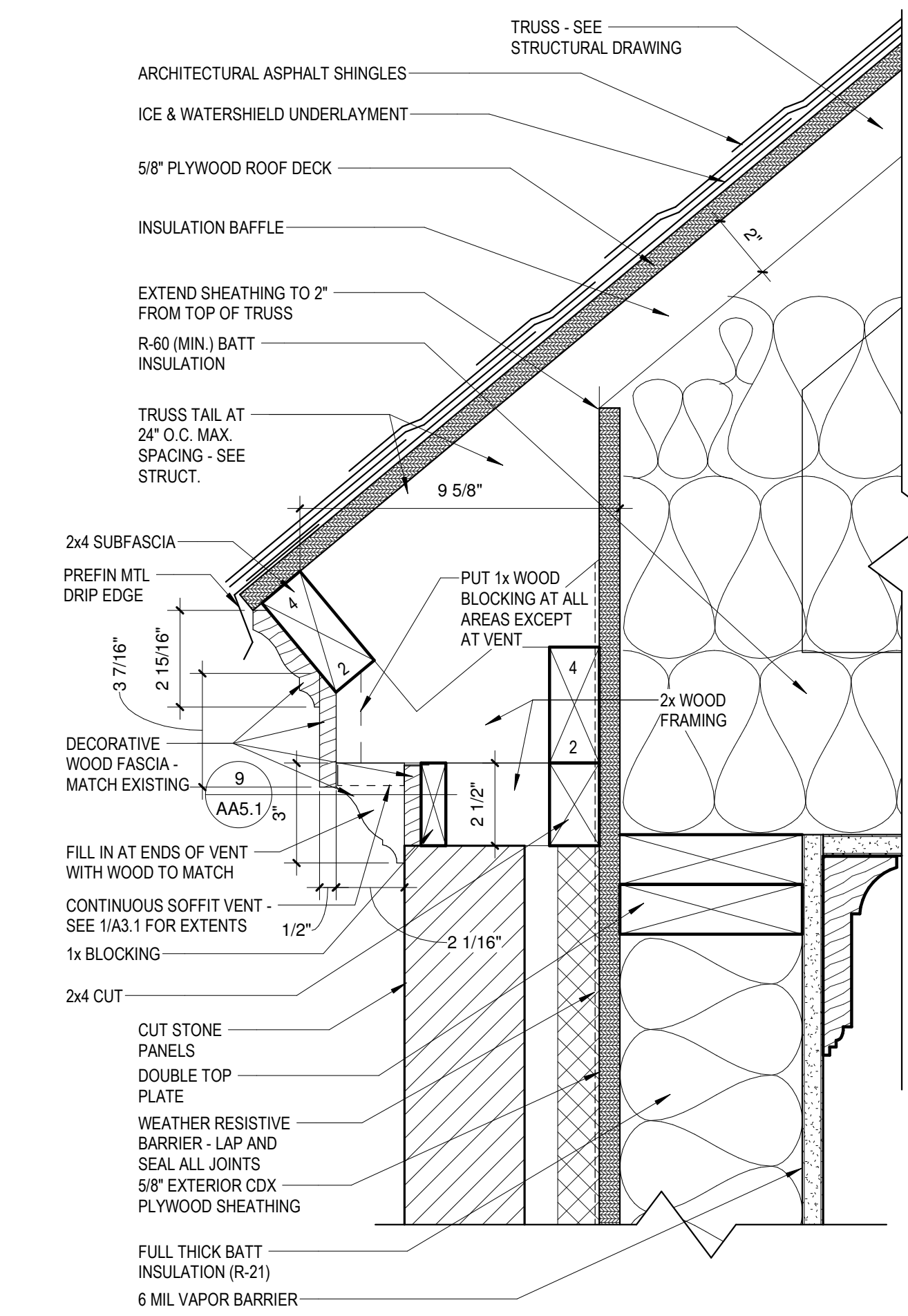
No.	Description	Date

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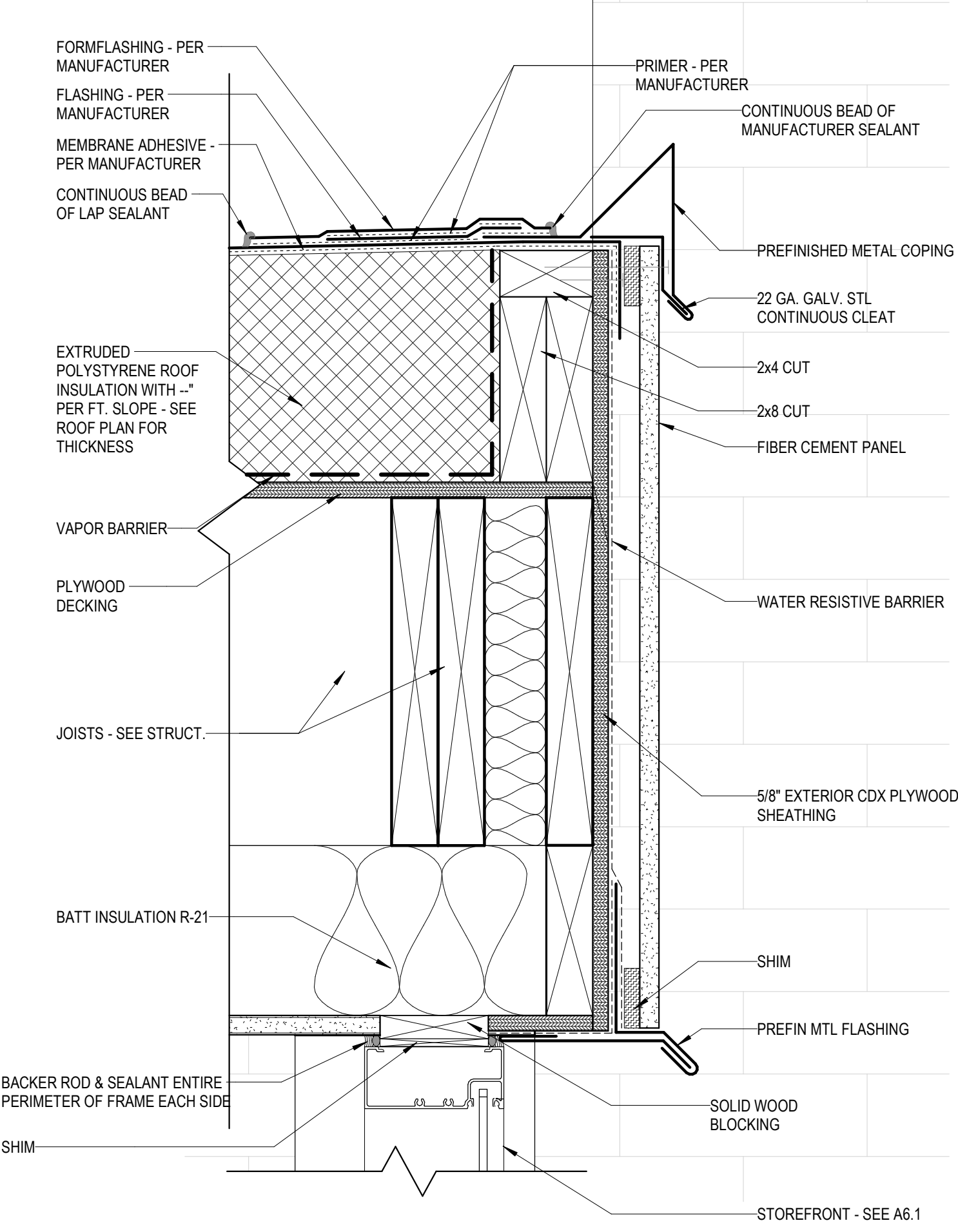
IRONWOOD, MI
DETAILS ALTERNATE

PROJECT NUMBER 24-022
DATE 9-17-2024
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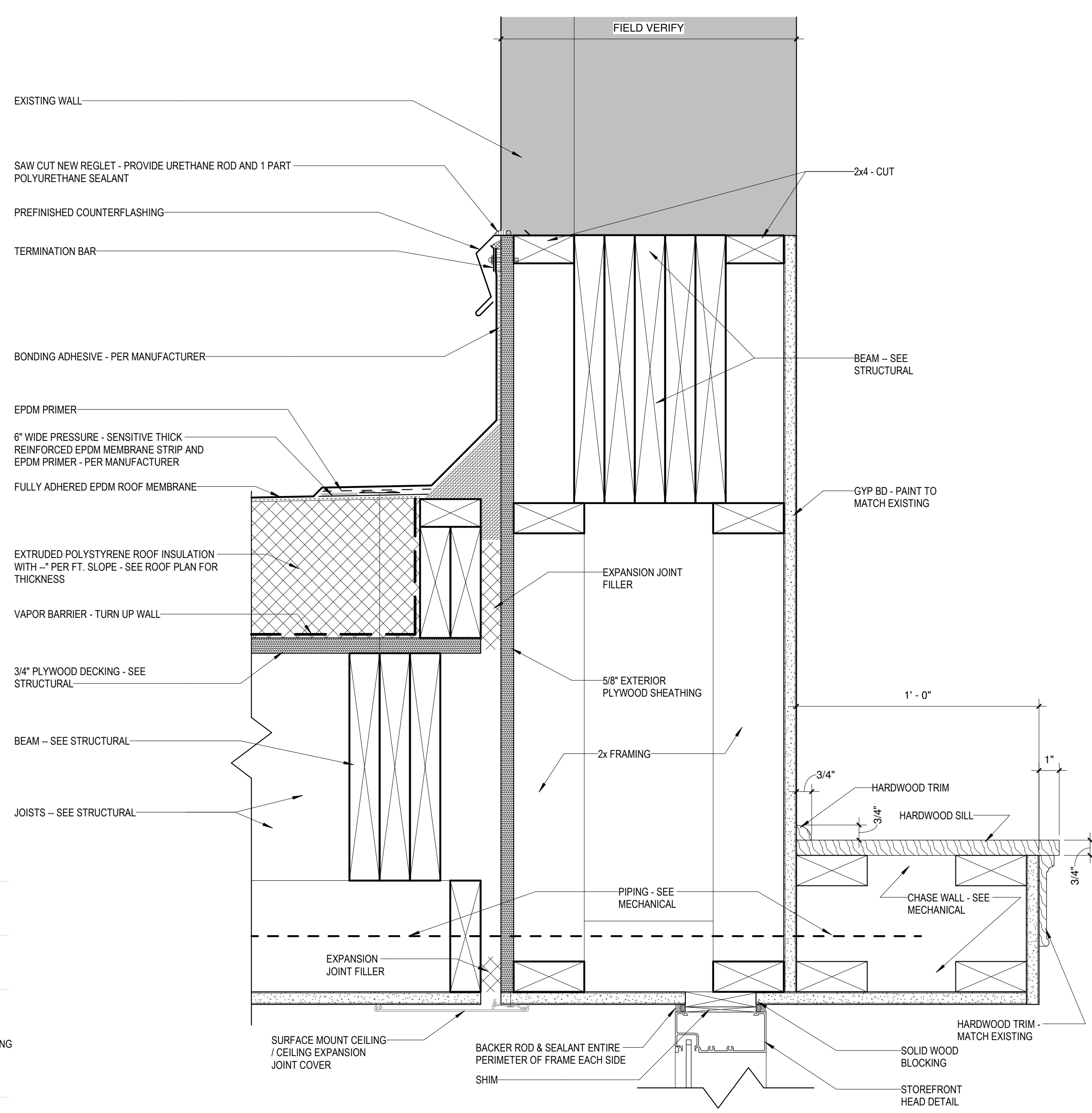
AA5.1



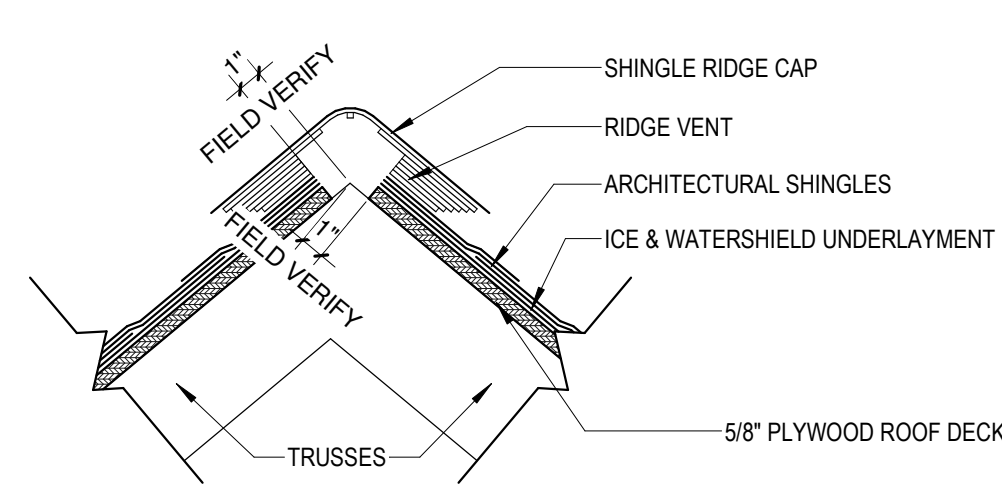
2 DETAIL AT SOFFIT
3" = 1'-0"



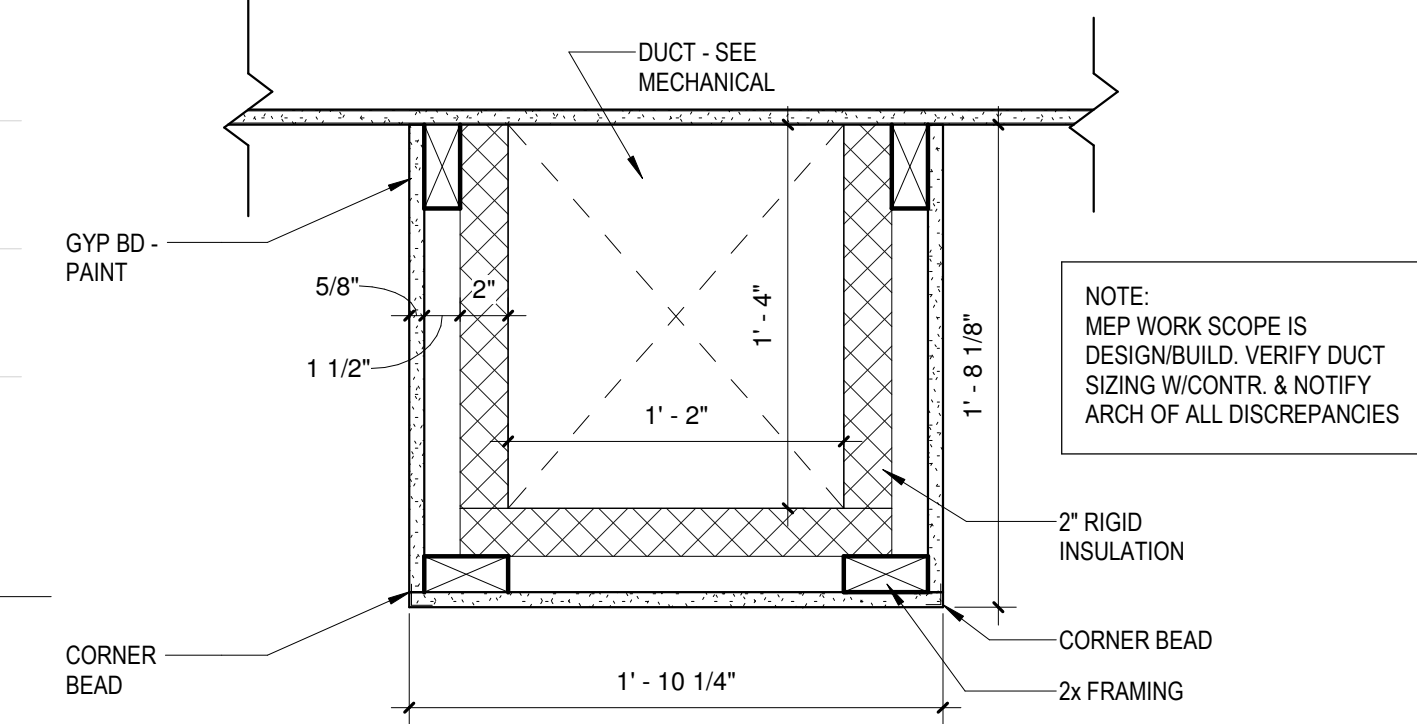
3 SECTION THRU BREEZEWAY - AT PARAPET
3" = 1'-0"



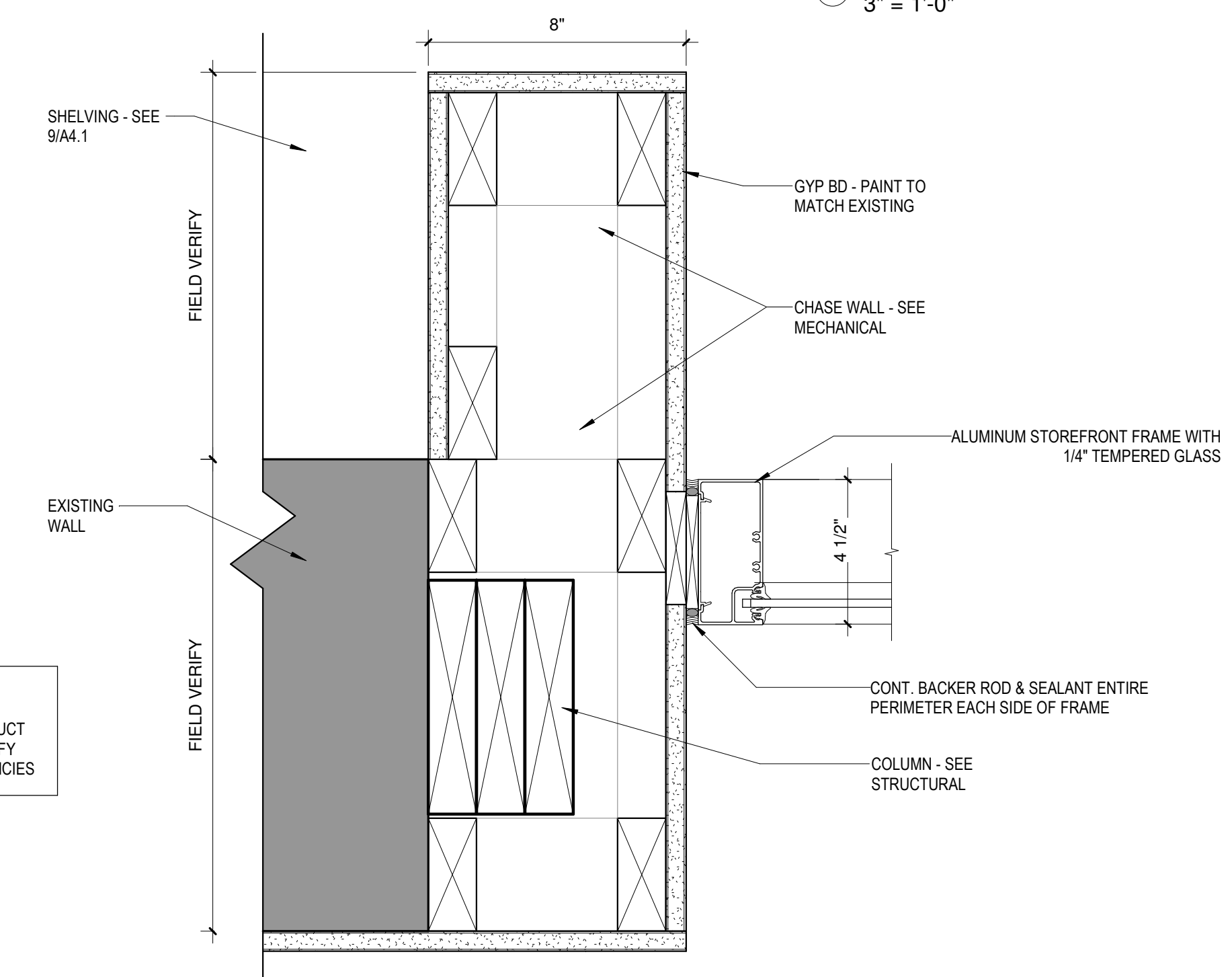
5 ROOF DETAIL AT BREEZEWAY TO EXISTING WALL CONNECTION
3" = 1'-0"



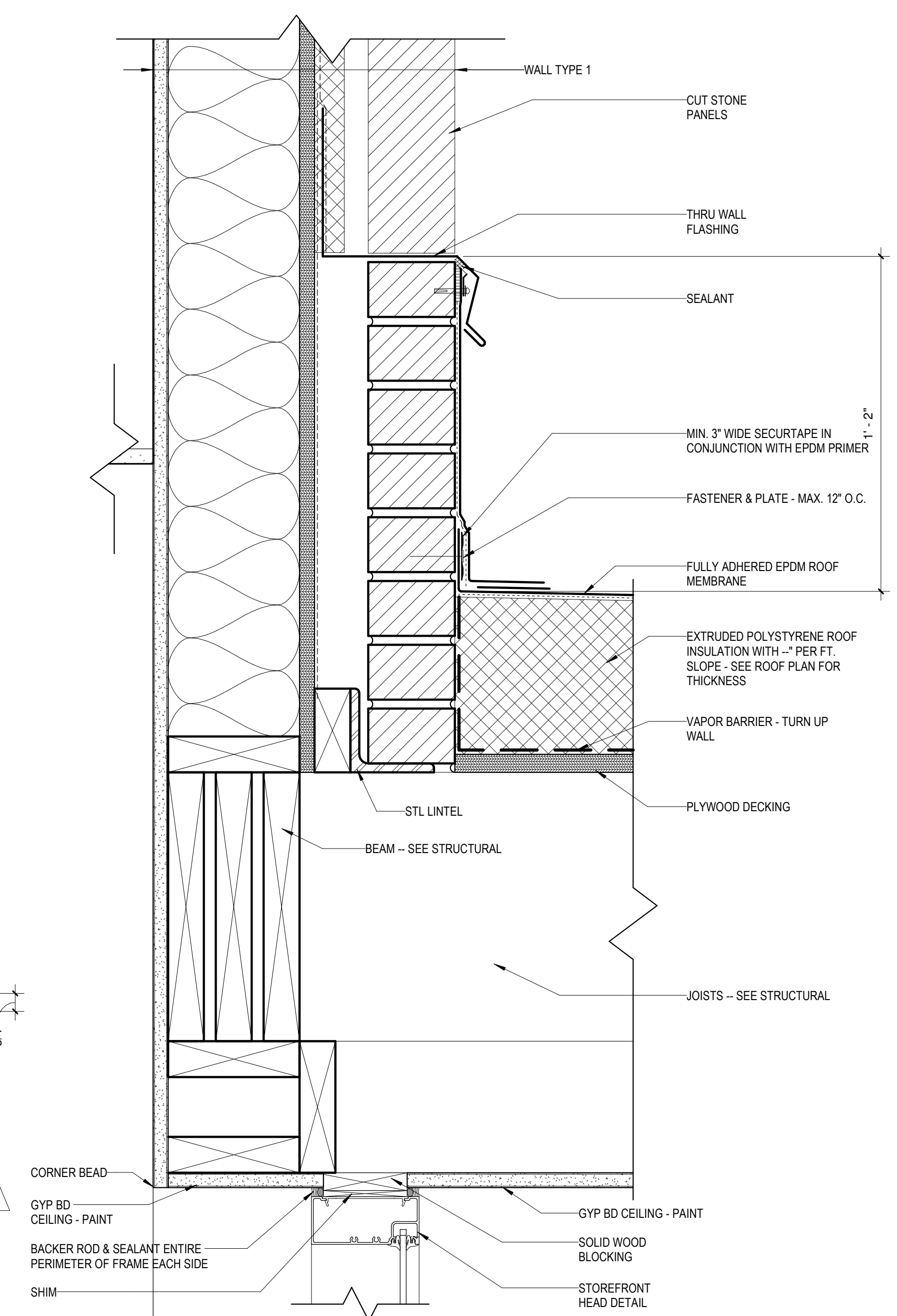
1 RIDGE VENT DETAIL
1 1/2" = 1'-0"



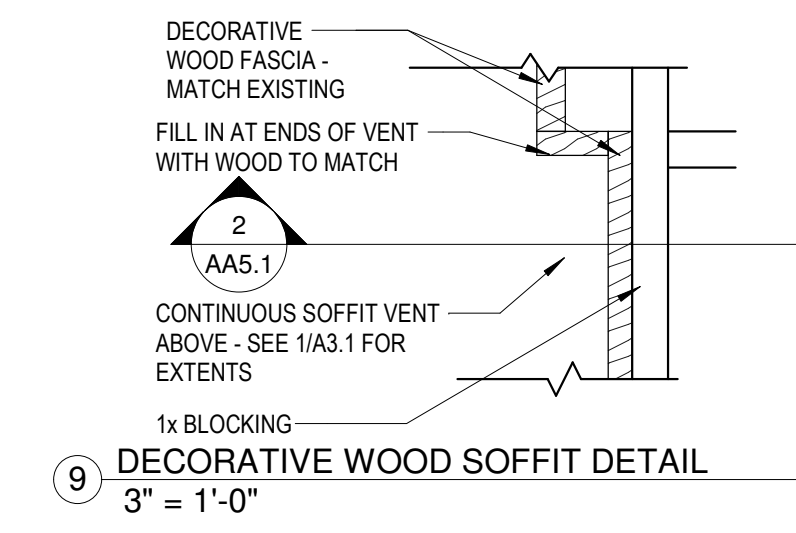
7 SOFFIT DETAIL
1 1/2" = 1'-0"



4 PIPING CHASE WALL
3" = 1'-0"



6 DETAIL AT FLAT ROOF TO WALL CONNECTION
3" = 1'-0"

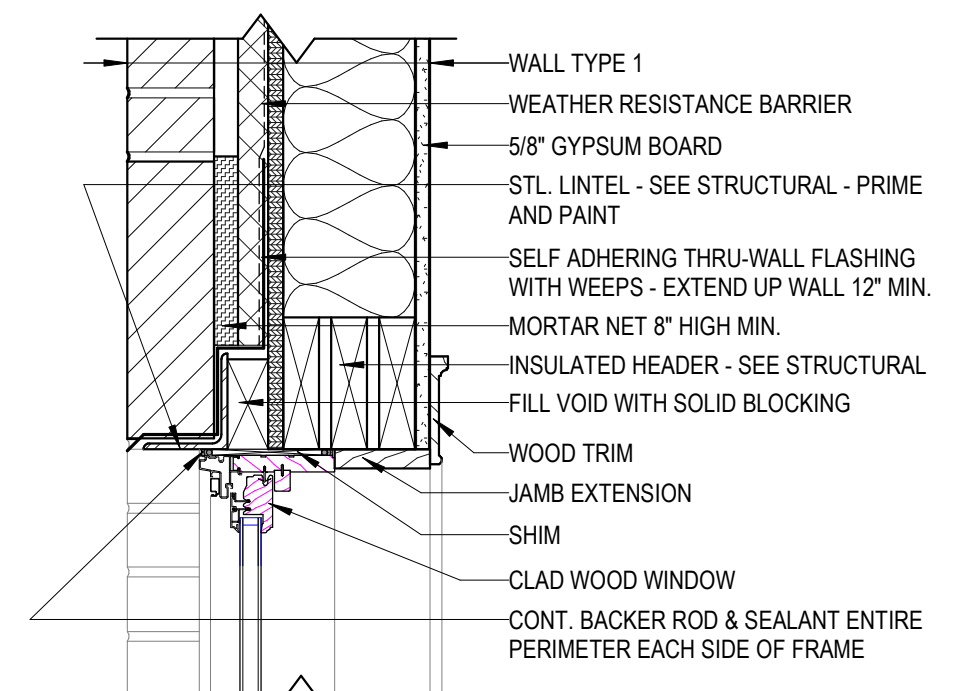
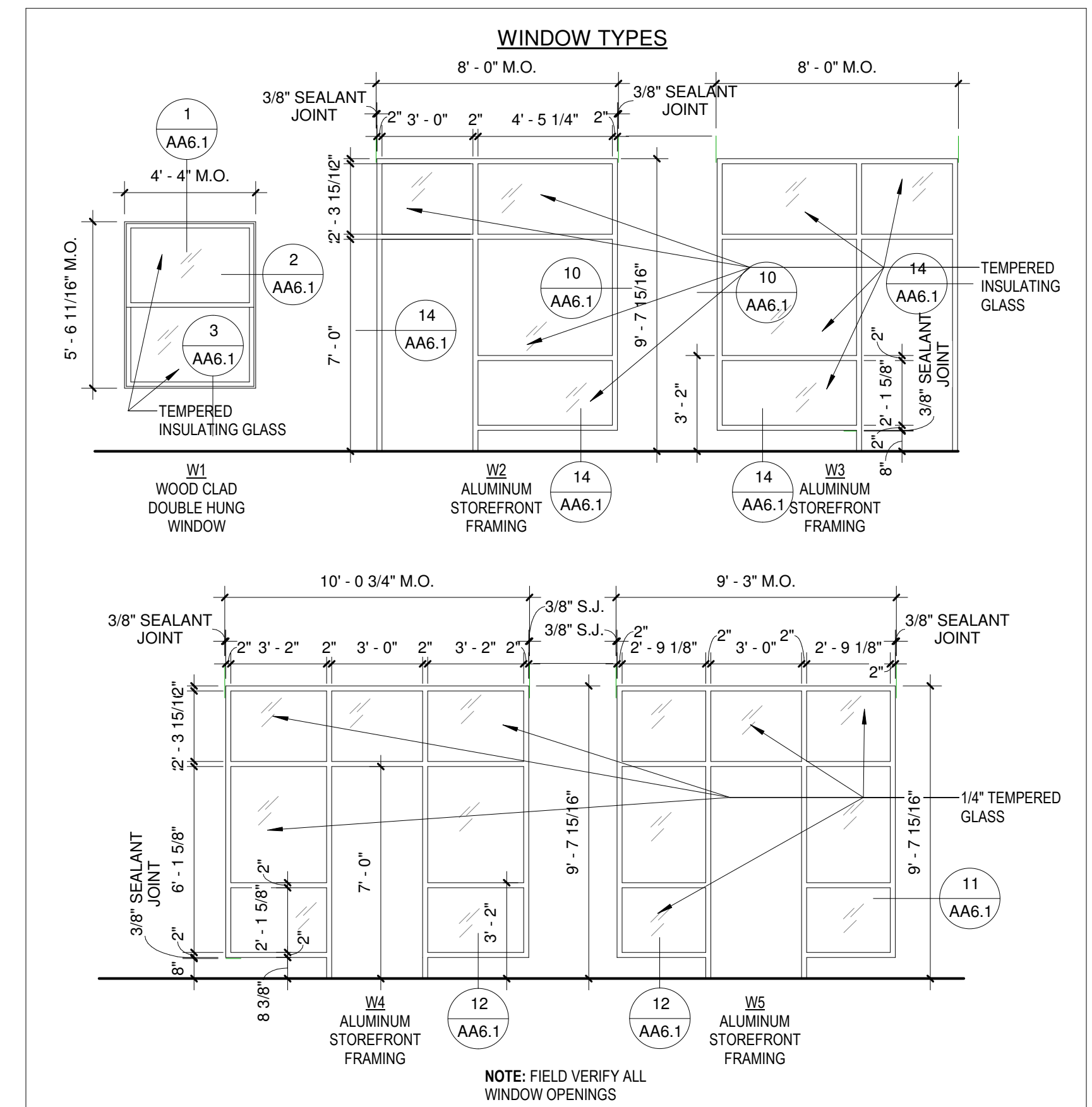
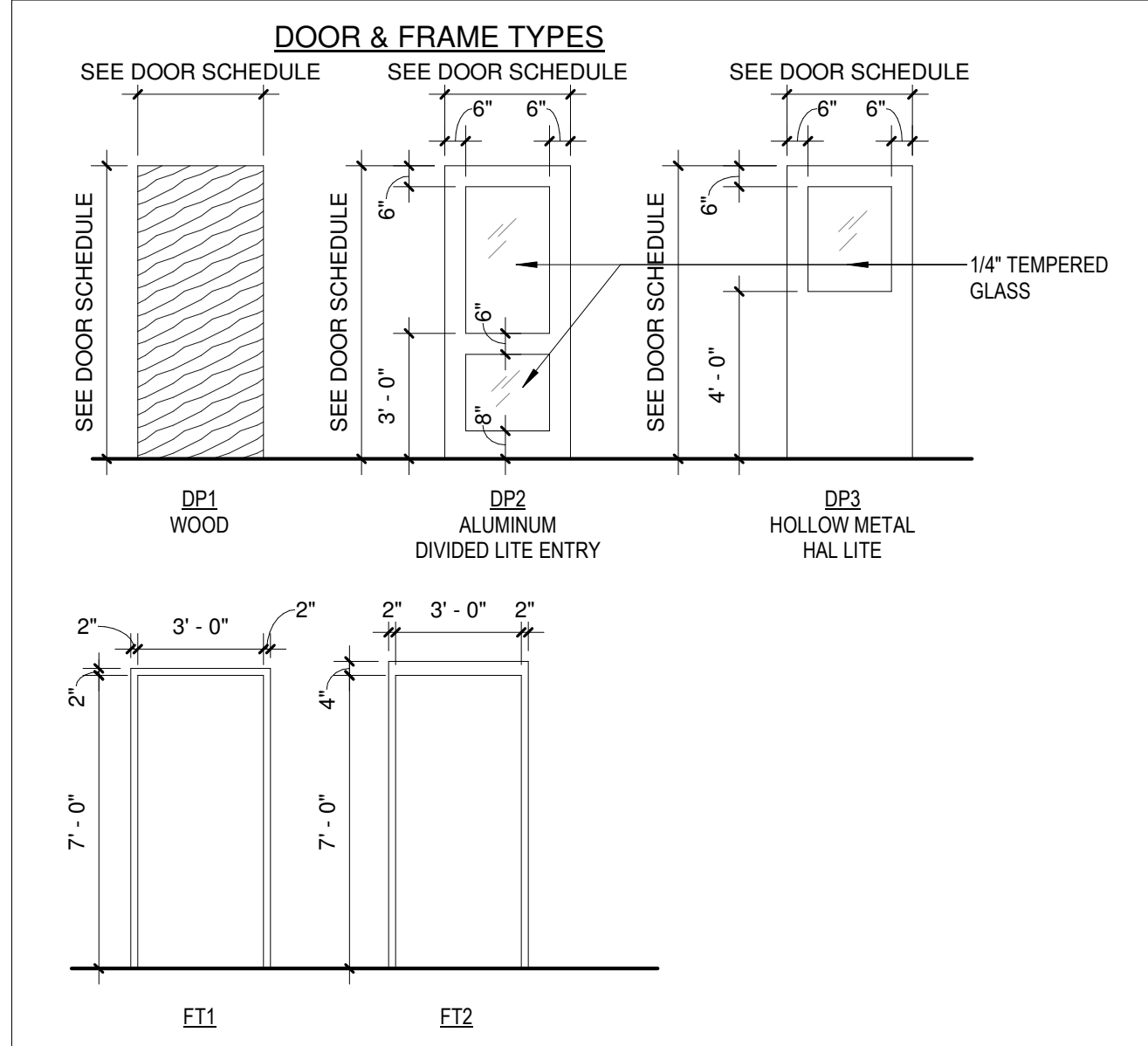


9 DECORATIVE WOOD SOFFIT DETAIL
3" = 1'-0"

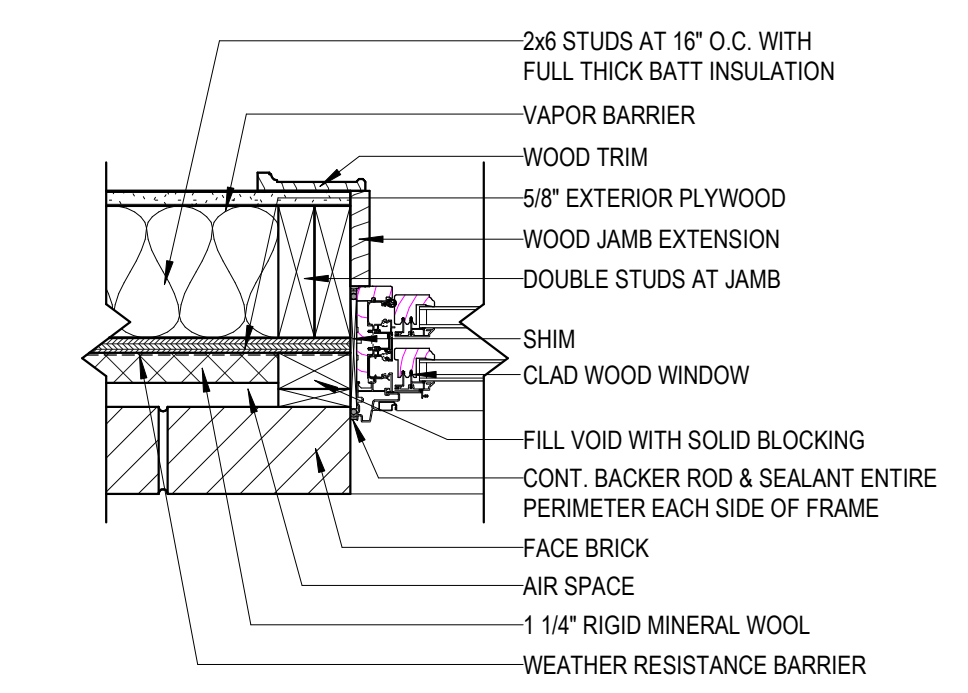
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Door Schedule										
Door Number	Door		Door Type	Door Mat	Frame				Hardware	Comments
	Width	Height			Type	Material	Jamb	Head		
100A	3' - 0"	7' - 0"	DP2	ALUM	W3					1
100B	3' - 0"	7' - 0"	DP2	ALUM	W2					1
100C	3' - 0"	7' - 0"	DP2	ALUM	W4	ALUM	14/A6.1			2
101A	3' - 0"	7' - 0"	DP2	ALUM	W5	ALUM	11/A6.1			2
101B	3' - 0"	7' - 0"	DP3	HM	FT2	HM	5/A6.1	4/A6.1		4
102	3' - 0"	7' - 0"	DP1	WOOD	FT1	HM	8/A6.1	7/A6.1		3

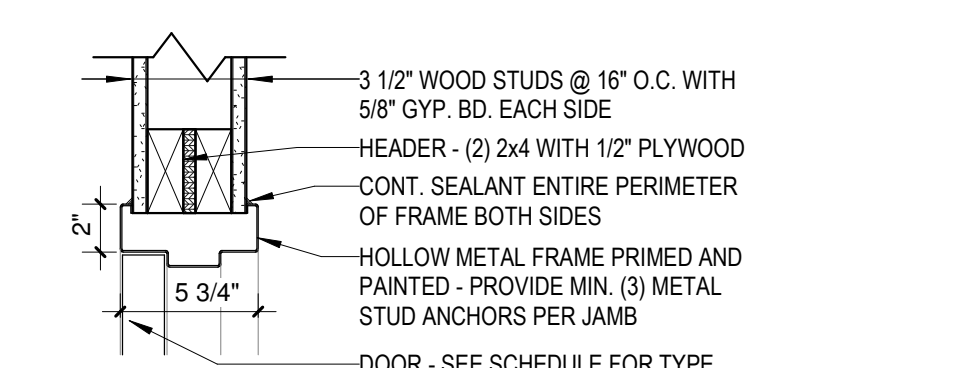
DOOR HARDWARE GROUPS			
HW SET 1 ENTRY TO BREEZEWAY			
3	EA	HINGES	BY MANUFACTURER
1	EA	PANIC HARDWARE	BY MANUFACTURER
1	EA	SURFACE CLOSER	BY MANUFACTURER
1	EA	KICK PLATE	BY MANUFACTURER
1	EA	WEATHERSTRIP	BY MANUFACTURER
1	EA	DOOR SWEEP	BY MANUFACTURER
1	EA	THRESHOLD	BY MANUFACTURER
1	EA	RAIN DRIP	BY MANUFACTURER
HW SET 2 ENTRY TO LIBRARY			
3	EA	HINGES	BY MANUFACTURER
1	EA	PANIC HARDWARE	BY MANUFACTURER
1	EA	SURFACE CLOSER	BY MANUFACTURER
1	EA	KICK PLATE	BY MANUFACTURER
1	EA	WEATHERSTRIP	BY MANUFACTURER
1	EA	DOOR SWEEP	BY MANUFACTURER
1	EA	THRESHOLD	BY MANUFACTURER
HW SET 3 TOILET ROOM			
3	EA	HINGES	58BB1 4-1/2" X 4-1/2"
1	EA	PRIVACY WIND	L9040P L583-363 L283-722
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS
1	EA	WALL STOP	WS406407CVX
1	EA	GASKETING	188S
			IVE SCH LCN IVE IVE ZER ZER
HW SET 4 EXIT DOOR FROM CHILDREN'S ROOM			
3	EA	HINGES	58BB1 4-1/2" X 4-1/2" NRP
1	EA	PANIC HARDWARE	LD99NL
1	EA	SURFACE CLOSER	4040XP SCUSH
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS
1	EA	WEATHERSTRIP	429
1	EA	DOOR SWEEP	8198
1	EA	RAIN DRIP	142
			IVE VON LCN IVE ZER ZER



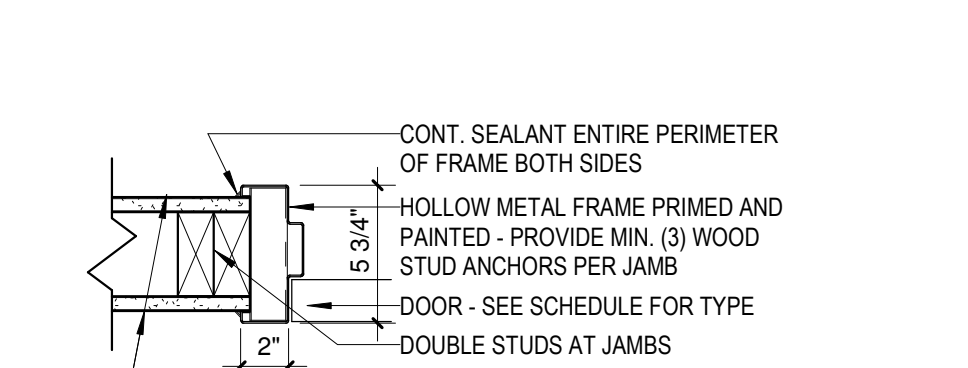
1 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



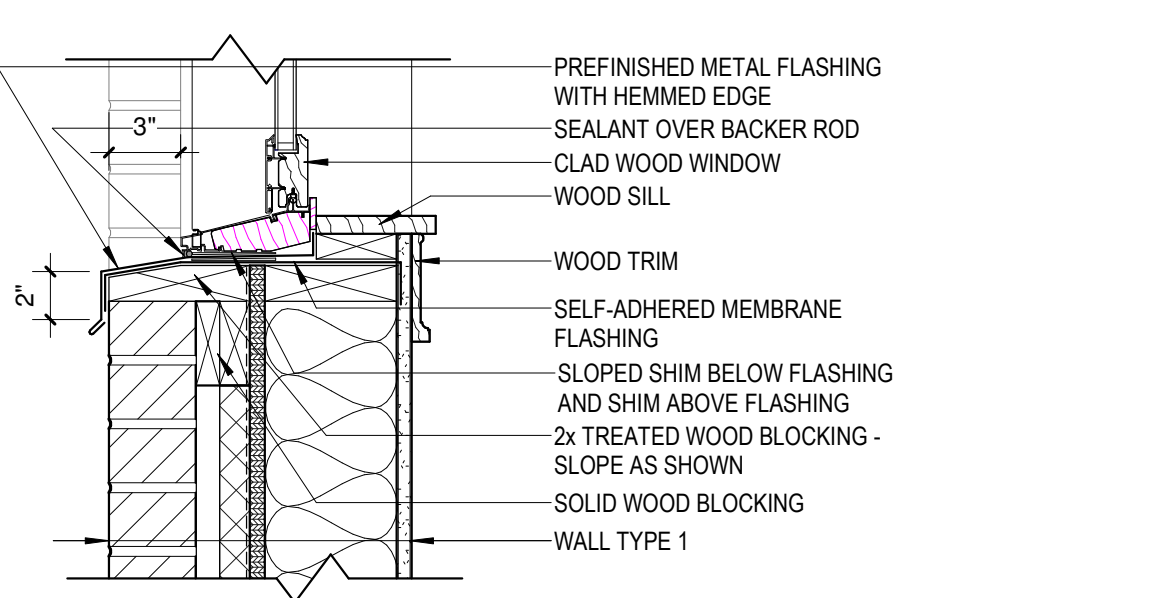
2 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



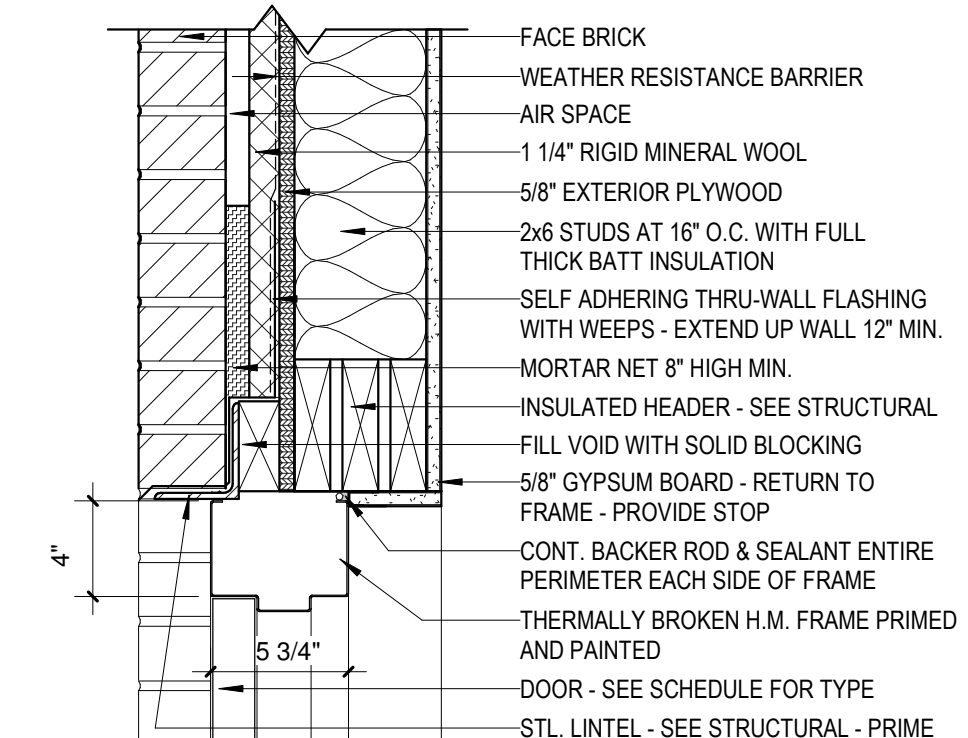
7 DOOR HEAD DETAIL
1 1/2" = 1'-0"



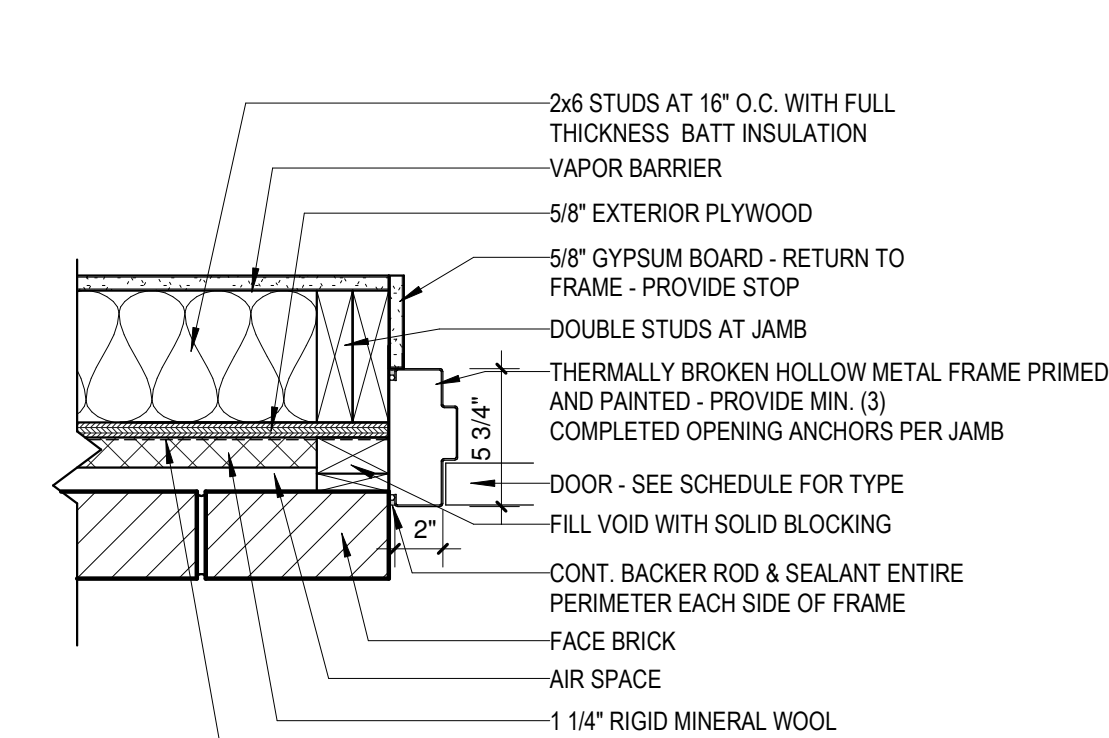
8 DOOR JAMB DETAIL
1 1/2" = 1'-0"



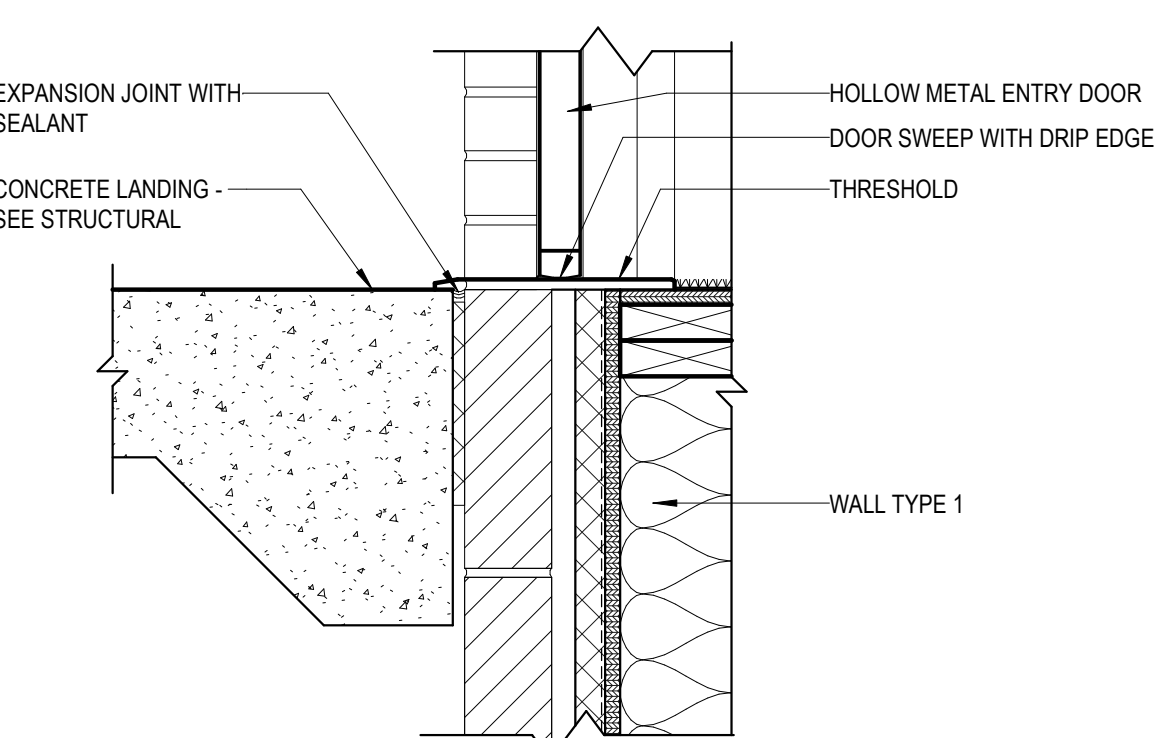
3 WINDOW SILL DETAIL
1 1/2" = 1'-0"



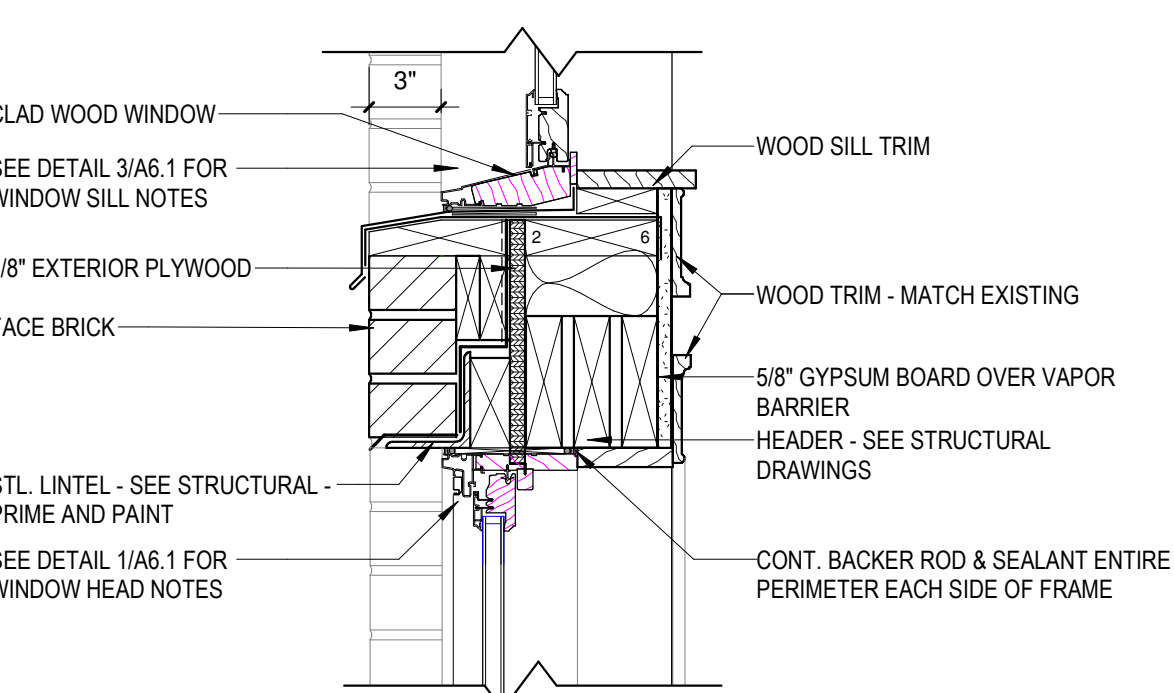
4 EXTERIOR DOOR HEAD DETAIL
1 1/2" = 1'-0"



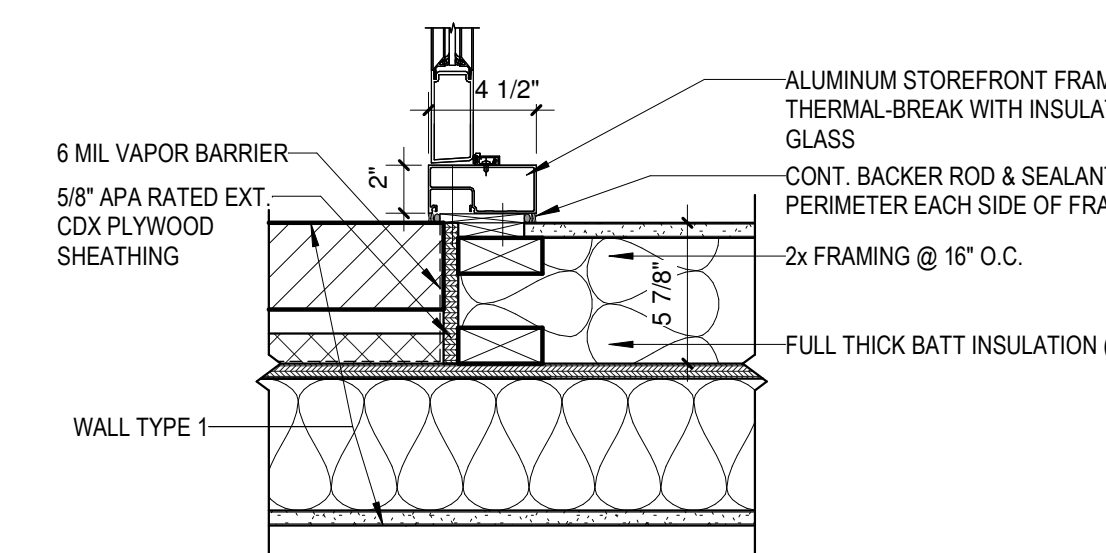
5 EXTERIOR DOOR JAMB DETAIL
1 1/2" = 1'-0"



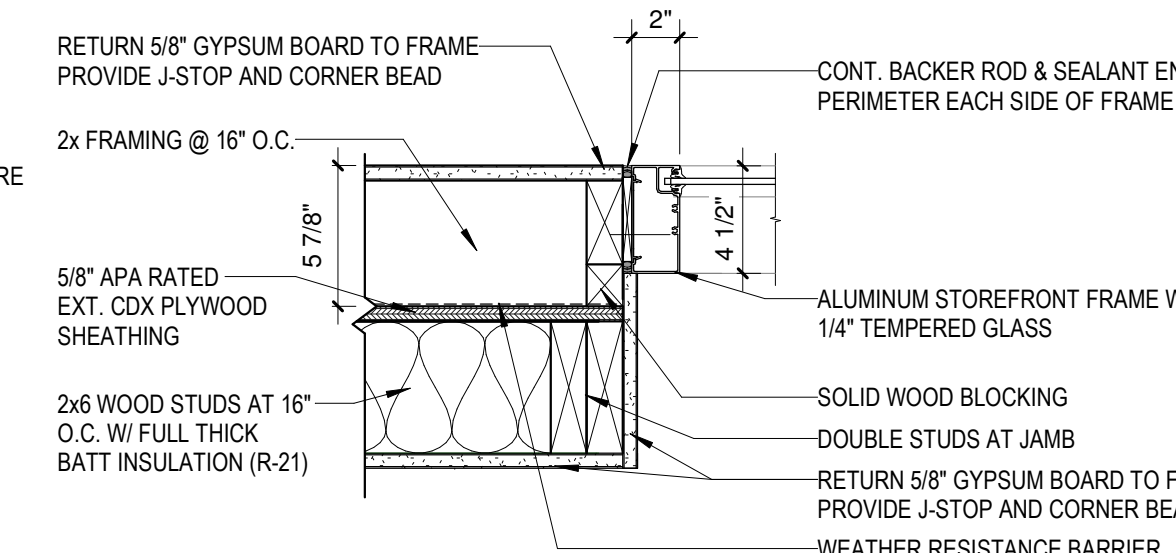
6 DOOR SILL DETAIL AT STAIR LANDING
1 1/2" = 1'-0"



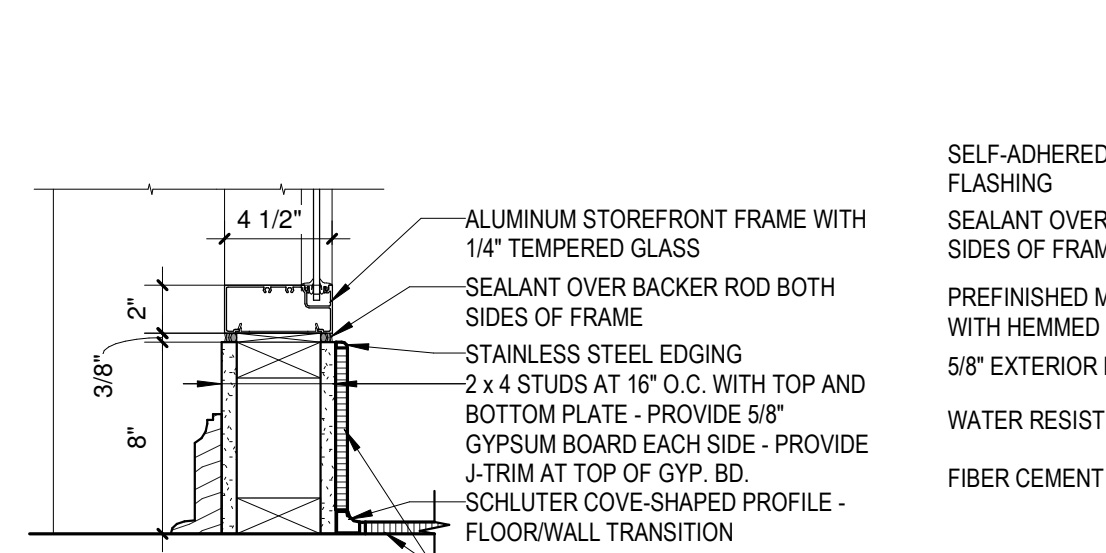
9 SILL - HEAD WINDOW DETAIL
1 1/2" = 1'-0"



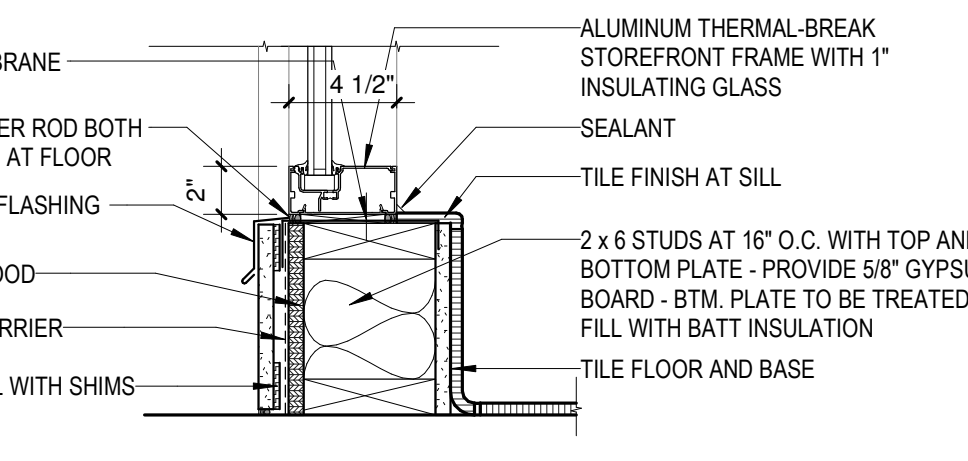
10 EXTERIOR STOREFRONT JAMB DETAIL
1 1/2" = 1'-0"



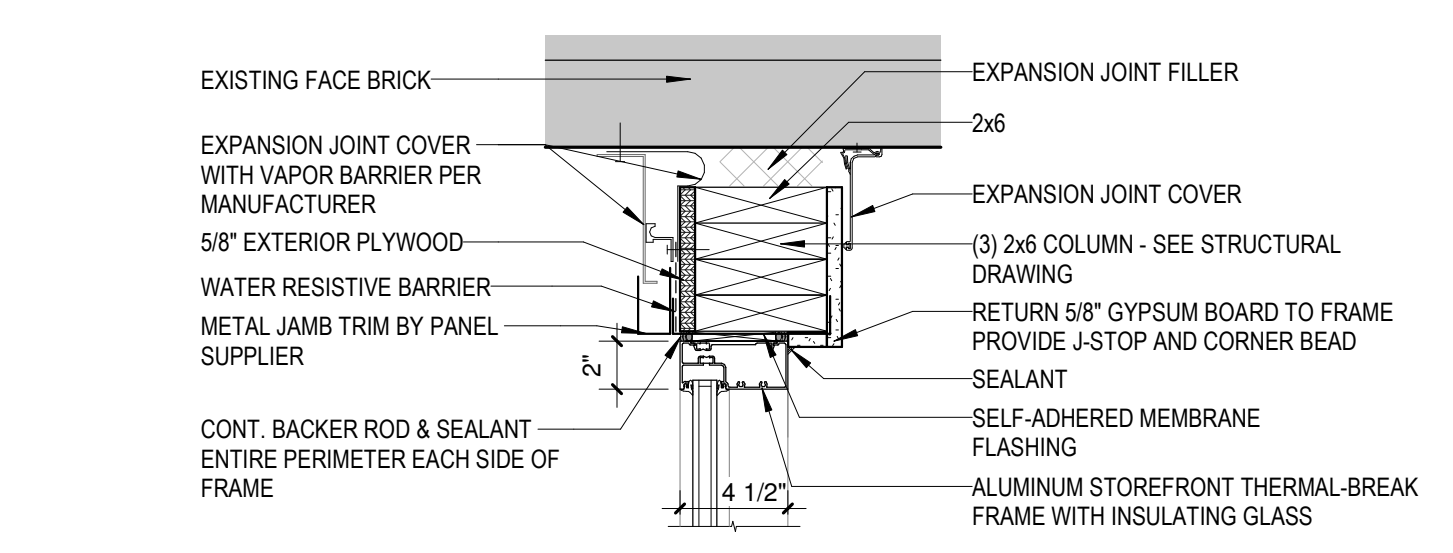
11 STOREFRONT JAMB DETAIL
1 1/2" = 1'-0"



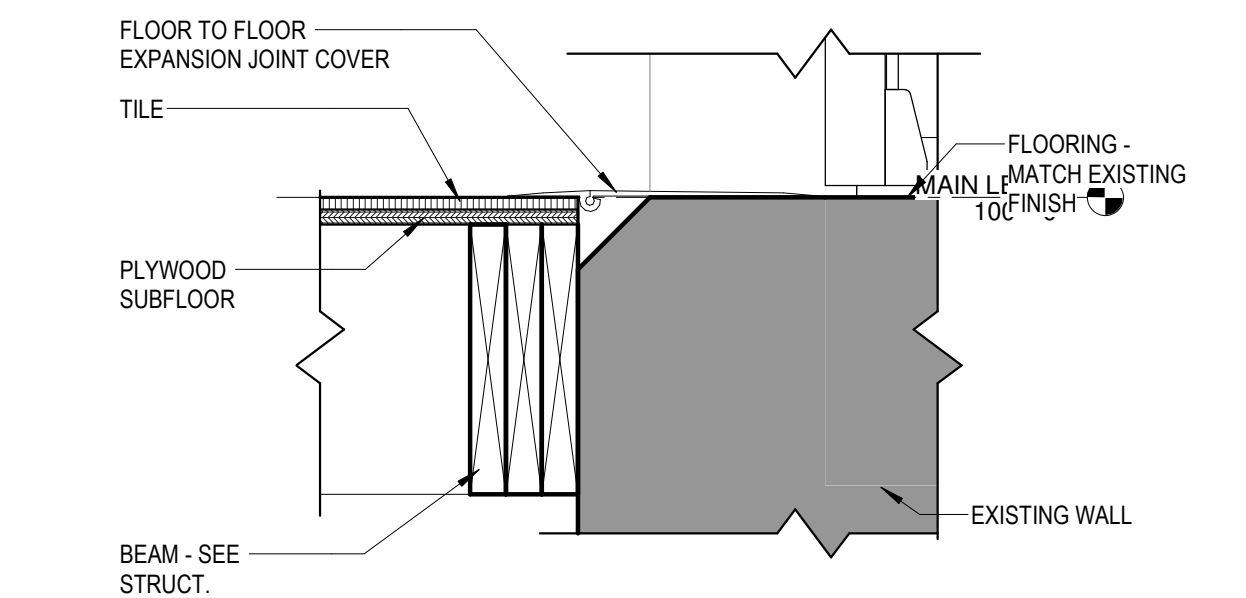
12 STOREFRONT SILL DETAIL
1 1/2" = 1'-0"



13 STOREFRONT SILL DETAIL AT EXTERIOR WALL
1 1/2" = 1'-0"



14 STOREFRONT JAMB DETAIL AT EXISTING WALL
1 1/2" = 1'-0"



15 EXPANSION JOINT DETAIL - BREEZEWAY TO EXISTING
1 1/2" = 1'-0"



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1022 Lakeshore Dr. Ashland, WI 54806
715.292.6493 (phone)
www.meyergruppduluth.com



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REVISIONS		
No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

IRONWOOD, MI
DOOR AND WINDOW
TYPES AND DETAILS
ALTERNATE

PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF, MRH
CHECKED BY TLM

AA6.1

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GENERAL NOTES - STRUCTURAL

- 1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS OCCUR BETWEEN DOCUMENTS, THE STRICTEST PROVISION SHALL GOVERN.
2. THE CONTRACTOR SHALL LIMIT THE AMOUNT OF LOAD IMPOSED UPON THE STRUCTURAL FRAMING SYSTEM DURING CONSTRUCTION. LOADS, INCLUDING CONSTRUCTION LOADS, MUST NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED SELF SUPPORTING, STABLE STRUCTURE UNLESS OTHERWISE INDICATED.
4. ALL MATERIALS AND WORKMANSHIP SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE GOVERNING BUILDING CODE, MICHIGAN BUILDING CODE, CURRENT EDITION.
5. ALL SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, ETC. SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER FOR CONFORMANCE WITH DESIGN INTENT ONLY.
6. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.
7. MECHANICAL FRAMING LOADS, OPENINGS AND SUPPORT STRUCTURE ARE SHOWN FOR BIDDING PURPOSES ONLY.
8. THE CONTRACTOR SHALL INFORM THE ENGINEER/ARCHITECT OF ANY DEVIATIONS FROM THE DRAWINGS, DO NOT CUT OR MODIFY STRUCTURAL MEMBERS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
9. DRAWINGS ARE INTENDED TO BE PRINTED PER THE SCALE PROVIDED.
10. CONTRACTOR SHALL NOT MIX GALVANIZED AND STAINLESS STEEL AT ANY TIME.
11. CONTRACTOR SHALL RECOGNIZE EFFECTS OF THERMAL MOVEMENTS AND MOISTURE CONTENT CHANGES OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD AND CONSIDER THESE EFFECTS DURING CONSTRUCTION AND/OR ERECTION SEQUENCES.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE AND FUNCTIONING SYSTEMS, INCLUDING BUT NOT LIMITED TO, PROVIDING (AT NO ADDITIONAL COST) ITEMS NOT SPECIFICALLY SHOWN IN THESE DRAWINGS WHICH ARE NORMALLY CONSIDERED NECESSARY.

SOILS AND EARTHWORK

- 1. SOIL INVESTIGATIONS HAVE NOT BEEN PERFORMED FOR THIS PROJECT. PRESUMPTIVE LOAD-BEARING VALUES TO BE IN ACCORDANCE WITH MICHIGAN BUILDING CODE TABLE 1806.3 AND HISTORICAL REGIONAL DATA PROVIDED BY THE CITY ENGINEER, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL VERIFY SOIL BEARING CAPACITY PRIOR TO CONSTRUCTION.
3. SPECIAL DESIGN AND CONSTRUCTION PROVISIONS FOR THIS PROJECT'S FOUNDATIONS:
A. NONE
4. INCLUDE IN THE WORK PROVIDING ALL EQUIPMENT, MATERIAL AND QUALIFIED LABOR NECESSARY FOR EXCAVATION, SHORING, DEWATERING SYSTEMS, BACKFILL, AND COMPACTION OF SOILS, AS REQUIRED TO CONSTRUCT STRUCTURES TO THE LINE AND GRADE AS SHOWN ON THE PLANS.
5. FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL TELEPHONE (800) 482-7171 NOT LATER THAN THREE BUSINESS DAYS PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES.
6. EXCAVATE TO ELEVATIONS AND DIMENSIONS SHOWN ON THE PLANS WITHIN A TOLERANCE OF +/- 0.10 FEET. EXCAVATE BY HAND TO FINAL GRADE FOR FOOTINGS.
7. NOTIFY THE ENGINEER FOR AN INSPECTION WHEN THE EXCAVATION HAS REACHED SUB-GRADE ELEVATION.
8. SATISFACTORY SOIL MATERIALS ARE DEFINED AS GRANULAR MATERIALS CLASSIFIED AS GW, GP, GM, SW, SP, S.W-SM, SP-SM OR SM BY THE UNIFIED SOILS CLASSIFICATION SYSTEM.
9. UNSATISFACTORY SOIL MATERIALS ARE DEFINED AS SOILS CLASSIFIED AS GC, SW-SC, SP-SC, SC, ML, MH, CL, CH, OL, OH, AND PT BY THE UNIFIED SOIL CLASSIFICATION SYSTEM.
10. BACKFILL ALL STRUCTURAL WORK WITH SATISFACTORY SOIL MATERIALS AND ENGINEERED FILL AS SHOWN ON PLANS.
11. COMPACT SOILS BELOW FOOTINGS TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR, ASTM D1557.
12. COMPACT BACKFILL IN LAYERS TO MINIMUM 95% MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR, OR MICHIGAN CONE TEST.

CONCRETE NOTES

- 1. PROVIDE MINIMUM 28-DAY CONCRETE COMPRESSIVE STRENGTH OF 4,000 PSI (fc = 4,000 PSI). PROVIDE NORMAL WEIGHT CONCRETE, WITH 6% +/- 1.5% ENTRAINED AIR FOR EXTERIOR APPLICATIONS.
2. PROVIDE READY-MIX CONCRETE CONFORMING TO ASTM C-94.
3. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 117 301, 305R, 306.1, AND 308.1, LATEST APPLICABLE EDITION.
4. PLACE ANCHOR RODS SET IN CONCRETE TO RECEIVE STRUCTURAL STEEL WITHIN TOLERANCES SPECIFIED IN THE LATEST APPLICABLE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
5. REINFORCING STEEL CONFORMING TO ASTM A-615, GRADE 60 IS REQUIRED.
6. CONFORM TO ASTM A708/A708M, GRADE 60 FOR REINFORCING STEEL TO BE WELDED.
7. POST INSTALLED ANCHORS OR REBAR SHALL BE ANCHORED INTO CONCRETE WITH DEWALT AC108-GOLD VINYLESTER INJECTION ADHESIVE.
8. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER AS LISTED BELOW UNLESS OTHERWISE NOTED.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER
1. NO. 5 OR SMALLER 1 1/2"
2. GREATER THAN NO. 5 2"
C. SLAB ON GRADE: 2" FROM T/SLAB

Table with 3 columns for concrete strength (fc = 3,000 psi, 4,000 psi, 5,000 psi) and 2 rows for bar sizes (#3 to #8).

- * TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW BAR.
+ LAP SPlice LENGTHS SHOWN ARE CLASS B SPlice LENGTHS FOR UNCOATED OR GALVANIZED BARS WITH CLEAR COVER OF 4b OR MORE AND WITH CLEAR SPACING OF 3b OR MORE.
8. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER AS LISTED BELOW UNLESS OTHERWISE NOTED.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER
1. NO. 5 OR SMALLER 1 1/2"
2. GREATER THAN NO. 5 2"
C. SLAB ON GRADE: 2" FROM T/SLAB

LOOSE LINTEL & FRAMING NOTES

- FOR ALL FRAMING & OPENINGS IN WALLS, INCLUDING THOSE FOR DOORWAYS, DUCTS & EQUIPMENT, PROVIDE (1) ANGLE FOR EACH 4" OF WALL THICKNESS AS FOLLOWS:
1. L1: SPANS TO 4'-0": L3 1/2x3 1/2x5/16
2. L2: SPANS 4'-1" TO 7'-0": L5x3 1/2x5/16
3. SPANS LARGER THAN 7'-0": REFER TO PLAN
LINTEL BEARING (MIN)
1. L1: SPANS TO 4'-0": 6" EACH END
2. L2: SPANS 4'-1" TO 7'-0": 8" EACH END
3. SPANS LARGER THAN 7'-0": REFER TO PLAN
NOTES:
1. ALL OPENINGS ARE NOT SHOWN IN THE FRAMING PLANS.
2. WHERE ARE NOT DETAILED OR NOTED, PROVIDE LINTELS FOR ALL OPENINGS PER ABOVE NOTES.
3. ALL EXTERIOR, EXPOSED STL LINTELS SHALL BE HOT DIPPED GALVANIZED.

WOOD FRAMING NOTES

- 1. ALL FRAMING SHALL BE SPRUCE-PINE-FIR (S.P.F.) NO. 2 OR BETTER.
2. FLOOR TRUSS JOISTS SHALL BE TRUSS-JOIST MCILLMIN TJ1 SERIES OR EQUAL.
3. HANGERS/CONNECTORS SHALL BE 18 GA GALVANIZED, SIMPSON STRONG-TIE OR EQUAL.
4. SHEATHING/FLOORING SHALL BE APA GRADED AS FOLLOWS:
A. ROOF SHEATHING SHALL BE 1/2" APA 40/20 SPAN RATED EXPOSURE 1 PLYWOOD WITH 2-SPANS MINIMUM CONTINUOUS APPLIED IN A STAGGERED PANEL LAYOUT.
B. EXTERIOR WALL SHEATHING: 1/2" MIN. APA 32/16 EXPOSURE 1, STRUCTURAL 1 5-PLY PLYWOOD SHEATHING.
C. FLOOR SHEATHING SHALL BE 23/32" APA 40/20 SPAN RATED EXPOSURE 1 PLYWOOD WITH 2-SPANS MINIMUM CONTINUOUS APPLIED IN A STAGGERED PANEL LAYOUT.
6. INSTALL SOLID 2X S4S BLOCKING AT ALL RAFTER BEARINGS.
7. DESIGN ROOF TRUSSES TO CONFORM WITH LOCAL CODES AND THE DESIGN LOADS STATED HEREIN.
8. *ND COL* DENOTES SOLID OR BUILT-UP WOOD COLUMNS.
9. WHERE HEADERS ARE NOT SPECIFIED OVER DOORS, WINDOWS OR OTHER OPENINGS WITHIN BEARING OR EXTERIOR WALLS PROVIDE A MINIMUM (3) 2X12 HEADER.
10. STEEL PLATES OR FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER AND PROTECTED WITHIN THE BUILDING ENVELOPE.
11. FASTEN MEMBERS IN ACCORDANCE WITH MICHIGAN BUILDING CODE TABLE 2304.10.1, UNLESS OTHERWISE NOTED.
12. WHERE NOTED, NAIL SIZES ARE BASED ON THE FOLLOWING MINIMUM SIZES

Table with 3 columns: SIZE, DESIGNATION, MIN SIZE. Lists box sizes for various applications.

PRE-ENGINEERED WOOD TRUSS NOTES

- 1. CONTRACTOR SHALL PROVIDE AND INSTALL METAL-PLATE CONNECTED WOOD TRUSSES DESIGNED TO SUPPORT THE LOADS INDICATED ON THE PLANS.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MICHIGAN.
3. TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR WIND LOADS PER SEI/ASCE 7-02.
4. CONTRACTOR SHALL SUPPLY, INSTALL, AND REMOVE ALL NECESSARY TEMPORARY BRACING REQUIRED FOR INSTALLATION OF WOOD TRUSSES AND MEMBERS.
5. METAL PLATE CONNECTORS SHALL COMPLY WITH TPI 1, HOT-DIP GALVANIZED STEEL SHEET.
6. PROVIDE DIMENSIONAL LUMBER OF ANY SPECIES FOR TRUSS CHORD AND WEB MEMBERS.
7. CONTRACTOR SHALL INSTALL SIMPSON STRONG-TIE SDWC156000 TRUSS SCREWS.
8. INSTALL AND FASTEN PERMANENT BRACING DURING TRUSS ERECTION AND BEFORE CONSTRUCTION LOADS ARE APPLIED.
9. IN ADDITION TO THE ANY LATERAL BRACING WHICH IS REQUIRED BY THE TRUSS MANUFACTURER/SUPPLIER, THE CONTRACTOR SHALL PROVIDE AND INSTALL PERMANENT DIAGONAL STABILITY BRACING FOR ALL COMPRESSION WEBS AND PRIMARY TOP CHORDS OF PIGGY BACK TRUSSES OR OTHER MEMBERS WHICH REQUIRE BRACING.

BUILDING LOADS BUILDING CLASSIFICATION II

Table with 2 columns: LIVE LOADS, DEAD LOADS, SNOW LOADS. Lists various load types and their corresponding values.

WIND LOADS VASD=VULT(0.6)^1/2 QASD=QULT(0.6)

Table with 2 columns: LOAD OR VARIABLE, values. Lists wind speed, risk category, wind exposure, etc.

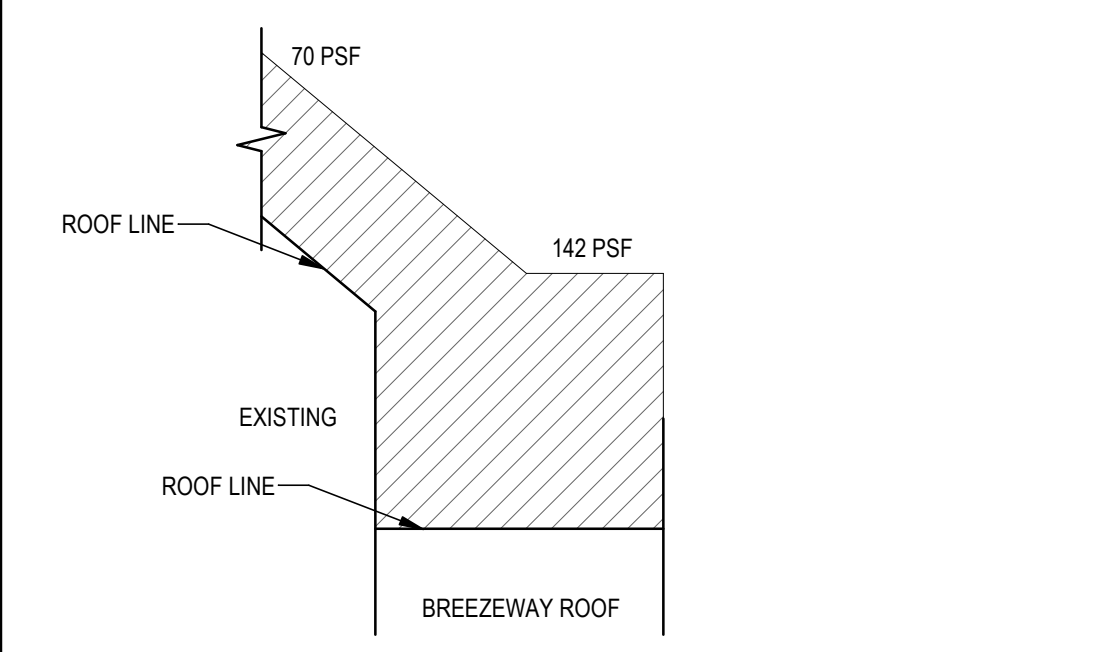
EARTHQUAKE DESIGN DATA

Table with 2 columns: LOAD VARIABLE, values. Lists risk category, seismic importance factor, mapped spectral response acceleration parameters, etc.

ASSUMED SOIL BEARING STRENGTH 3,000 psf

- CONTRACTOR SHALL VERIFY SOIL BEARING CAPACITY PRIOR TO CONSTRUCTION
NOTES
1. APPLICABLE CODE IS 2015 MICHIGAN BUILDING CODE.
2. APPLICABLE TECHNICAL CODE IS ASCE/SEI 7-10.
3. WIND LOAD BASED ON ASCE 7-10
A. MWFS: CHAPTER 28, PART 2, METHOD 2
B. C&C: CHAPTER 30, PART 1, METHOD 1
4. LOADS ARE BASED ON PART 3 OF THE MBC 2015 UNLESS OTHERWISE NOTED.

SNOW LOAD DIAGRAM



Meyer Group Architecture logo and contact information: 306 W. Superior St., Duluth, MN 55802; 12450 Wayzata Blvd., Suite 227, Minnetonka, MN 55305.



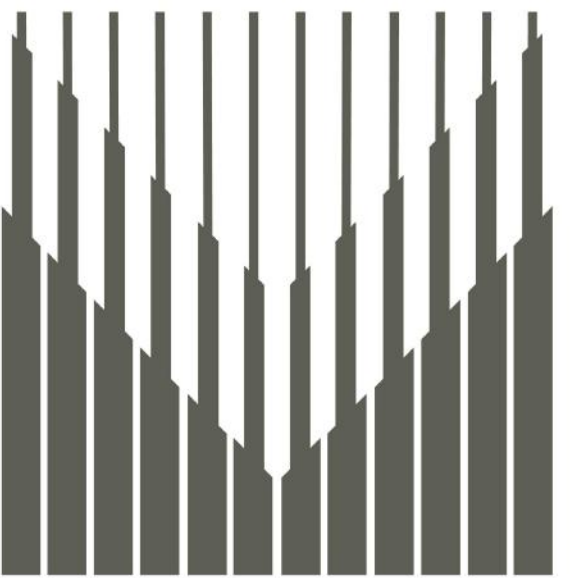
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CITY OF IRONWOOD IRONWOOD CARNEGIE LIBRARY 235 E Aurora St, Ironwood, MI 49938 STRUCTURAL NOTES & BUILDING LOADS

Table with 2 columns: PROJECT NUMBER, DATE, DRAWN BY, CHECKED BY. Values: 24-022, 09-17-2024, AMA, ALR.

S0.2

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OHM Job #: 24-022-0010
September, 17th 2024

REVISIONS

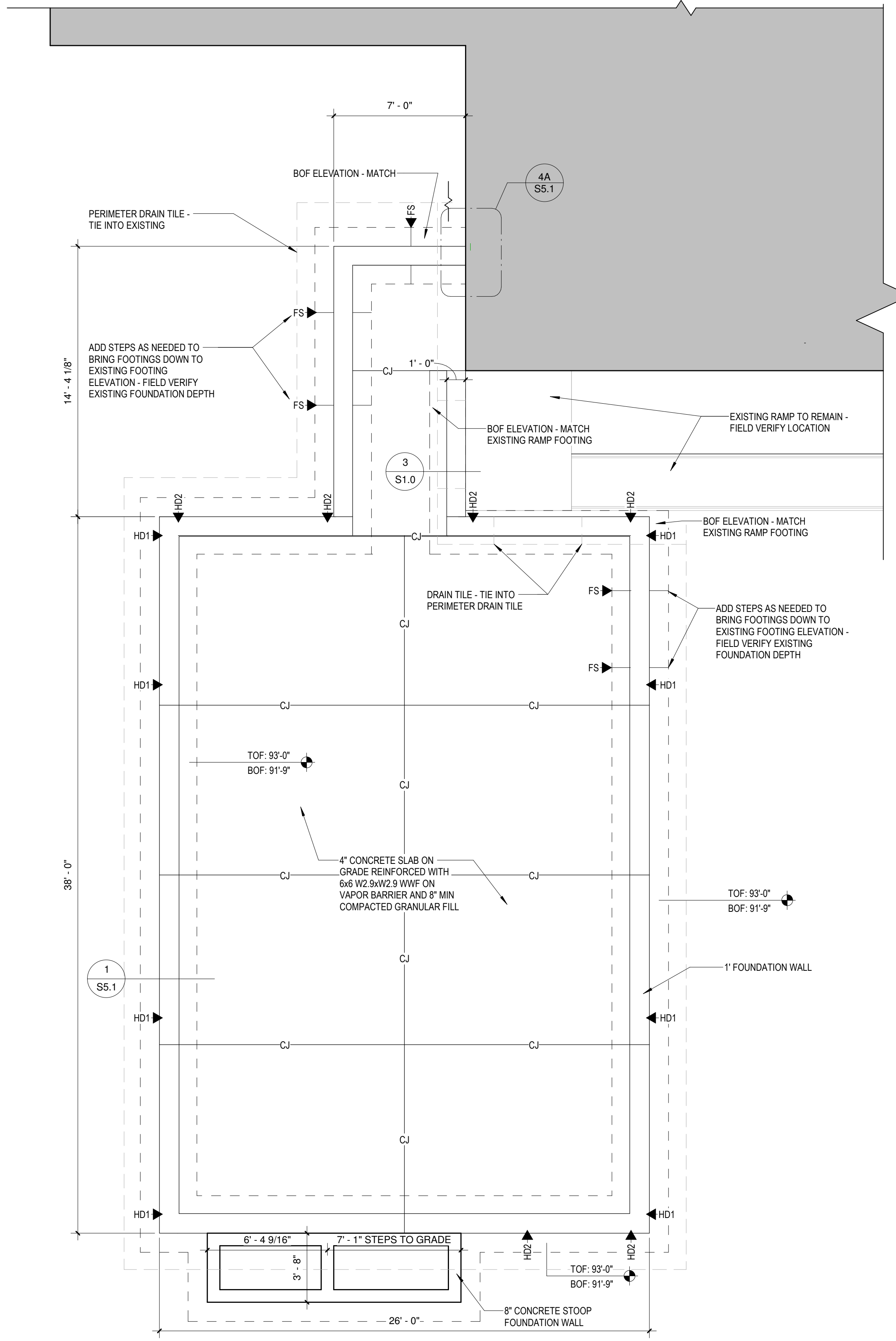
No.	Description	Date

IRONWOOD CARNEGIE LIBRARY

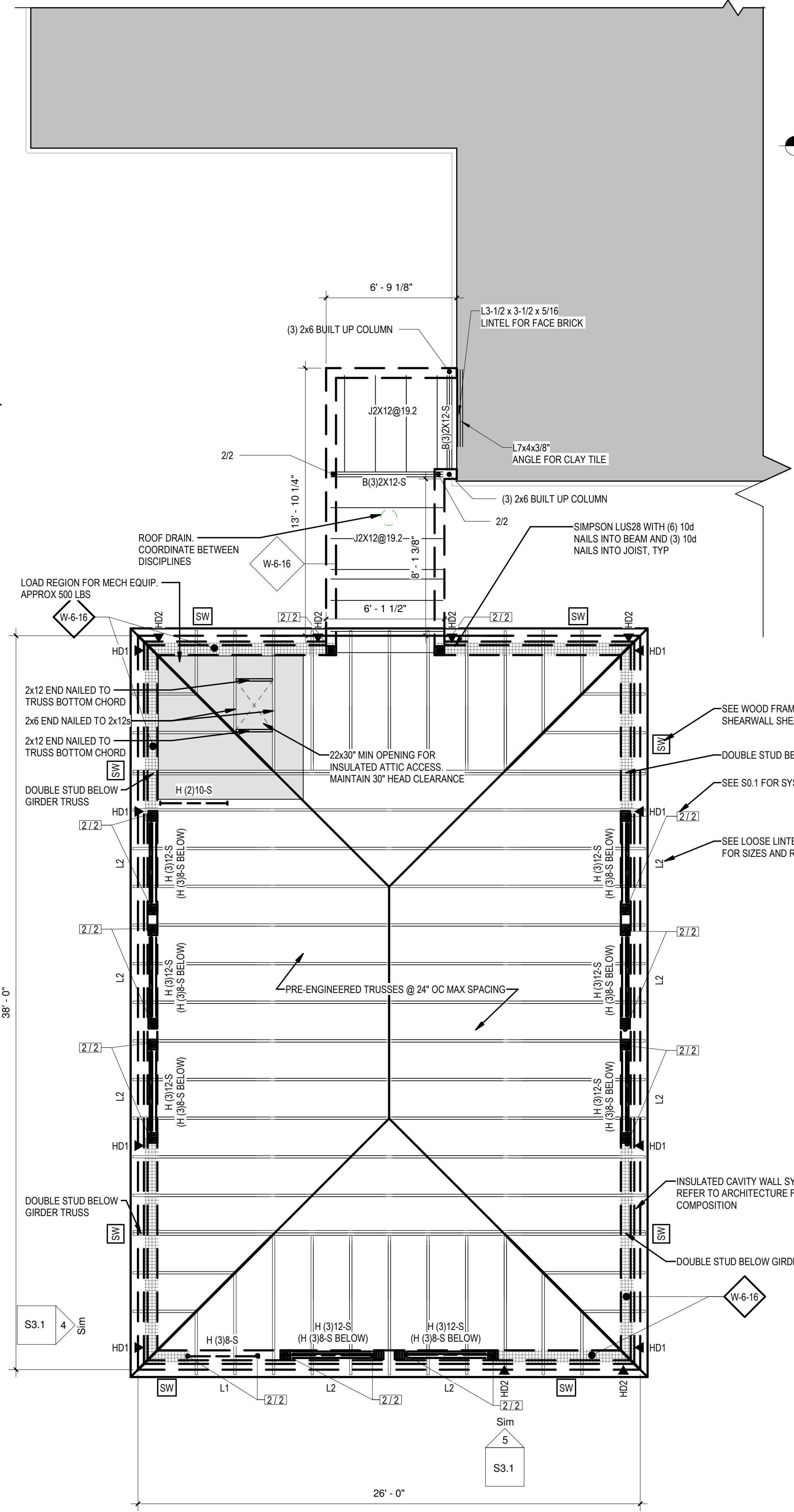
**IRONWOOD, MI
FOUNDATION PLAN &
ROOF FRAMING PLAN -
BASE BID**

PROJECT NUMBER 24-022
DATE 9-17-2024
DRAWN BY JTF
CHECKED BY ALR

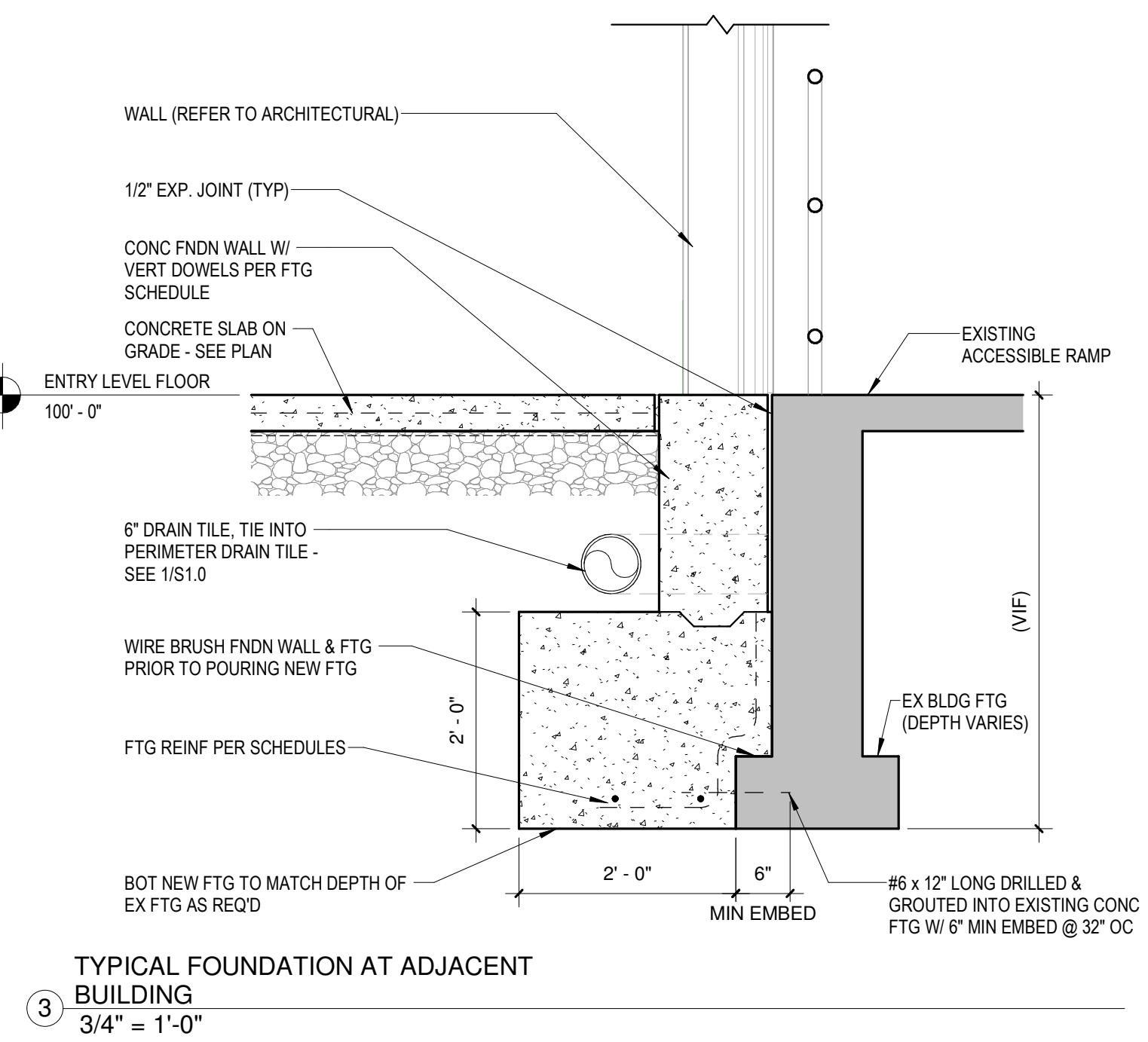
S1.0



1 FOUNDATION PLAN
1/4" = 1'-0"

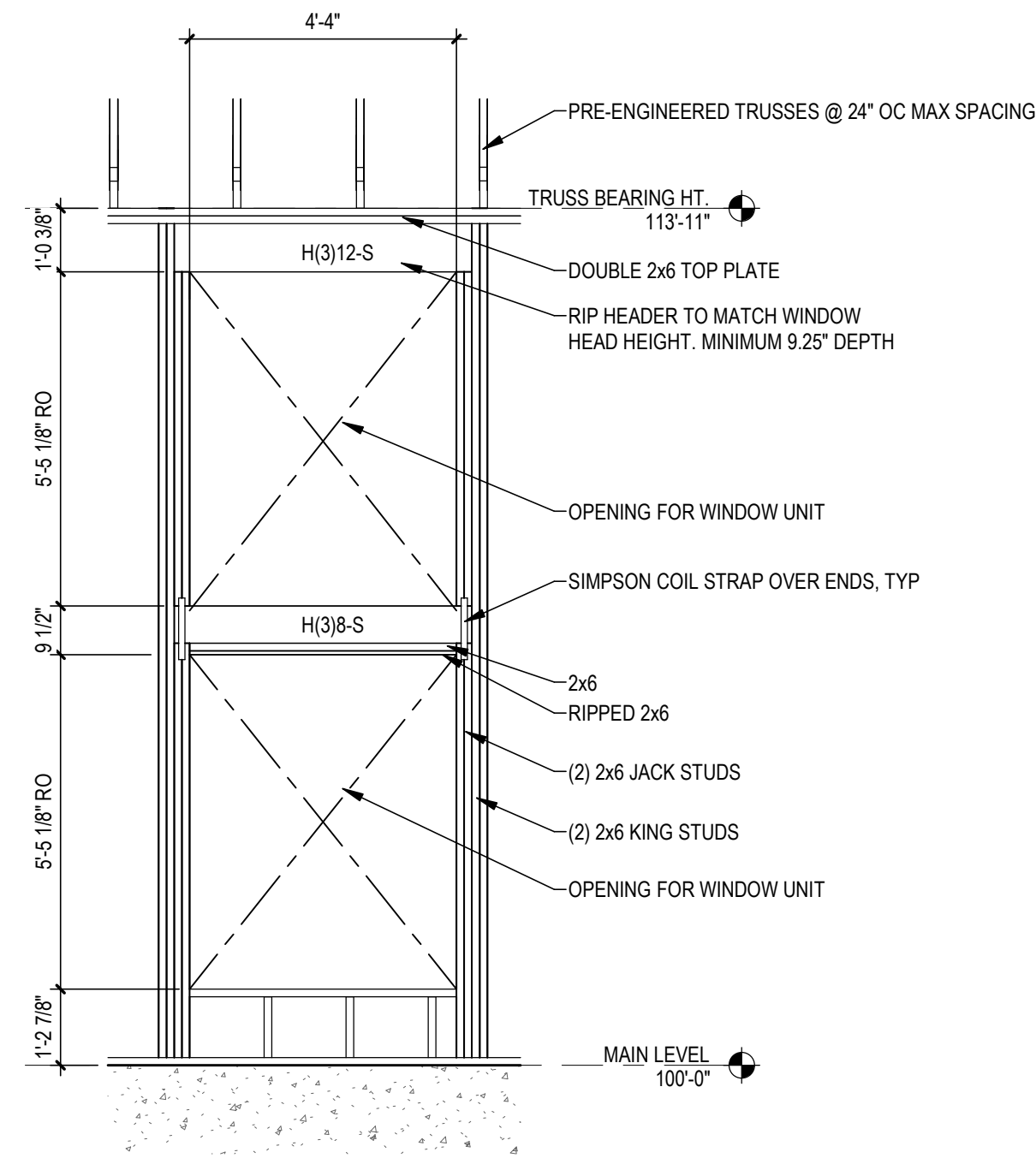


4 ROOF FRAMING PLAN
1/4" = 1'-0"

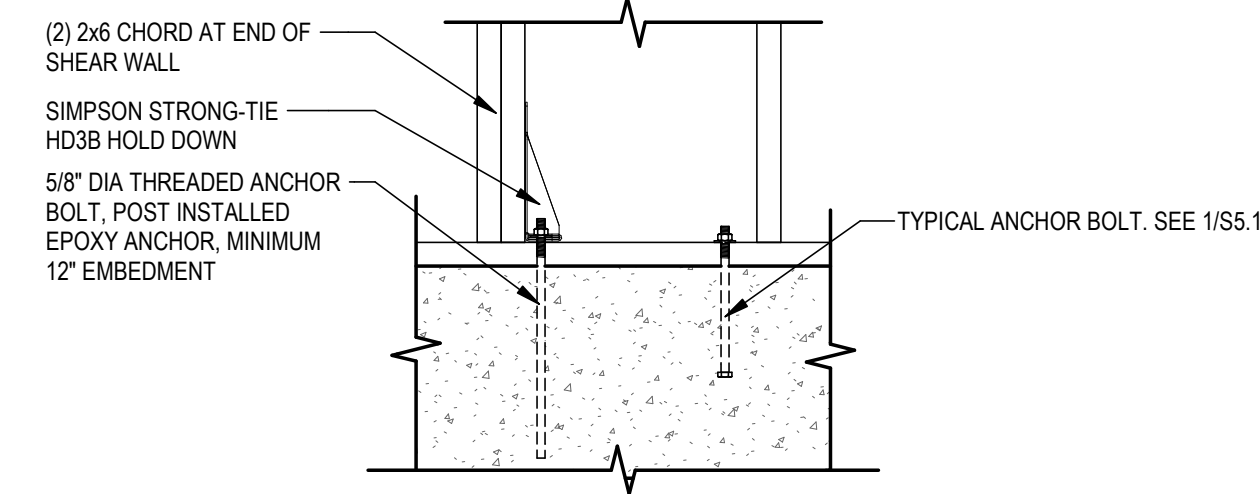


3 TYPICAL FOUNDATION AT ADJACENT BUILDING
3/4" = 1'-0"

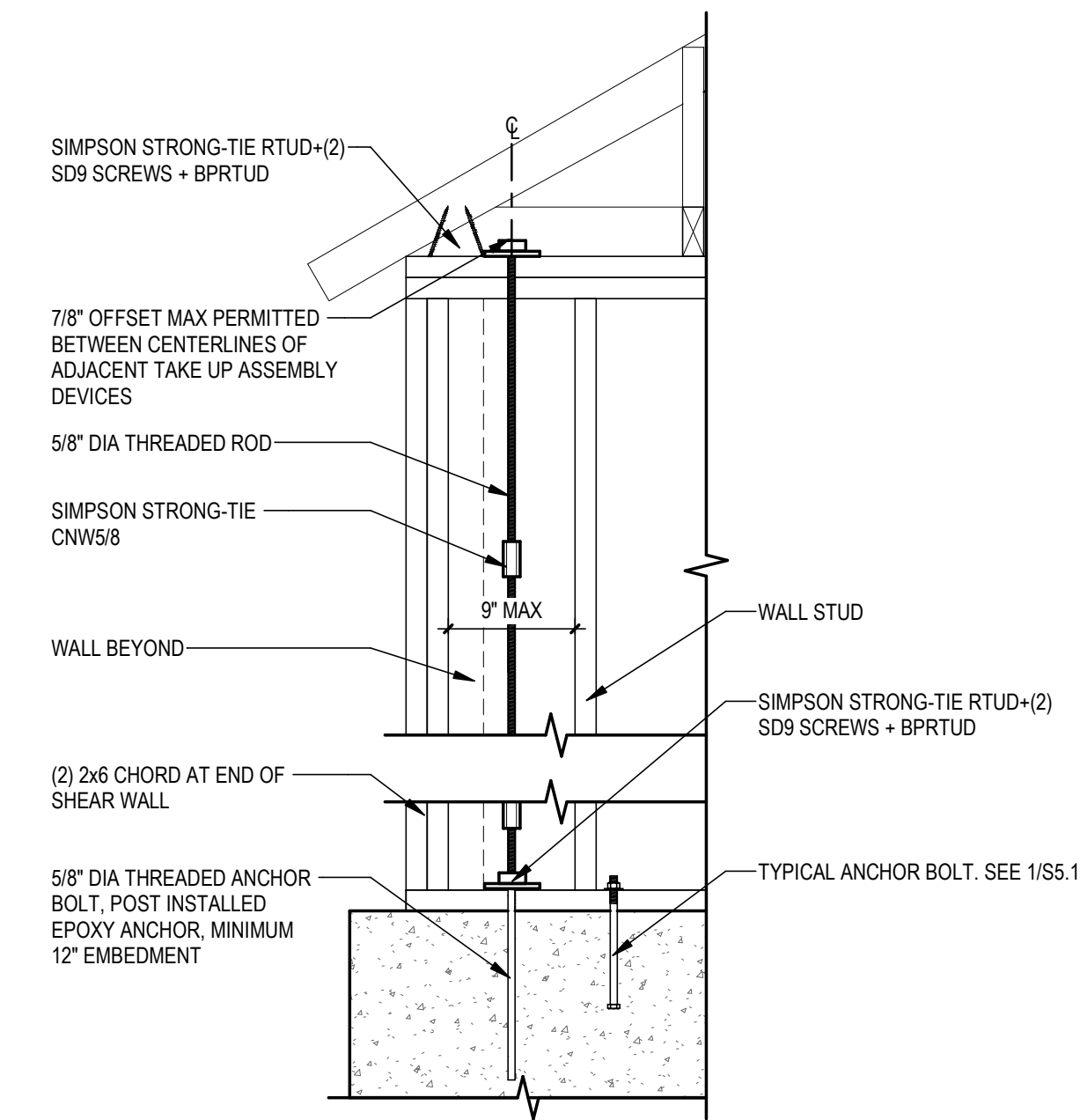
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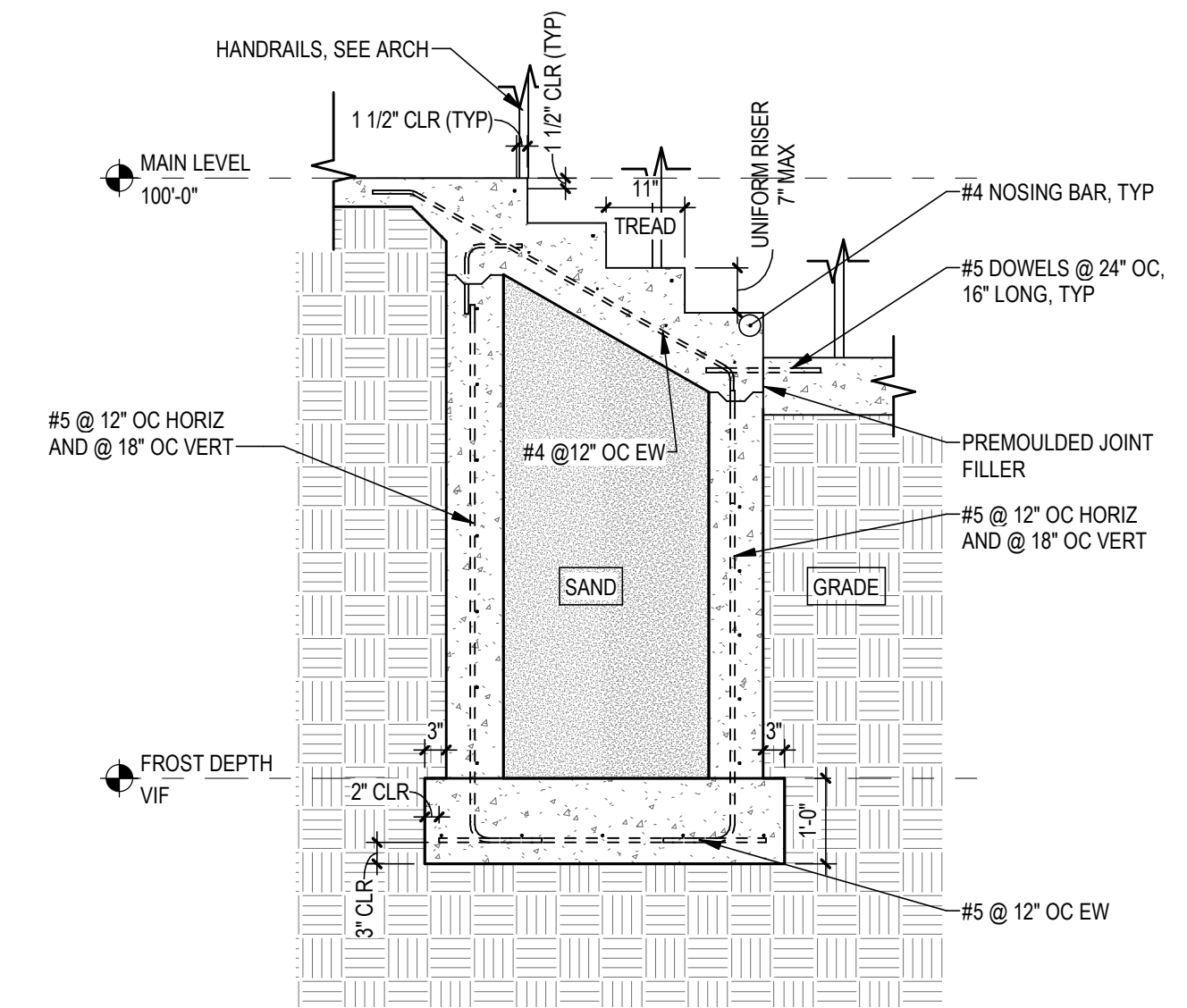
1 TYPICAL WINDOW FRAMING ELEVATION
 3/8" = 1'-0"



2 HD1 FRAMING ELEVATION
 1" = 1'-0"



3 HD2 FRAMING ELEVATION
 1" = 1'-0"



4 SECTION THROUGH BREEZEWAY - STAIR
 1/2" = 1'-0"



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OHM Job #: 8535-24-0010
 September, 17th 2024

REVISIONS

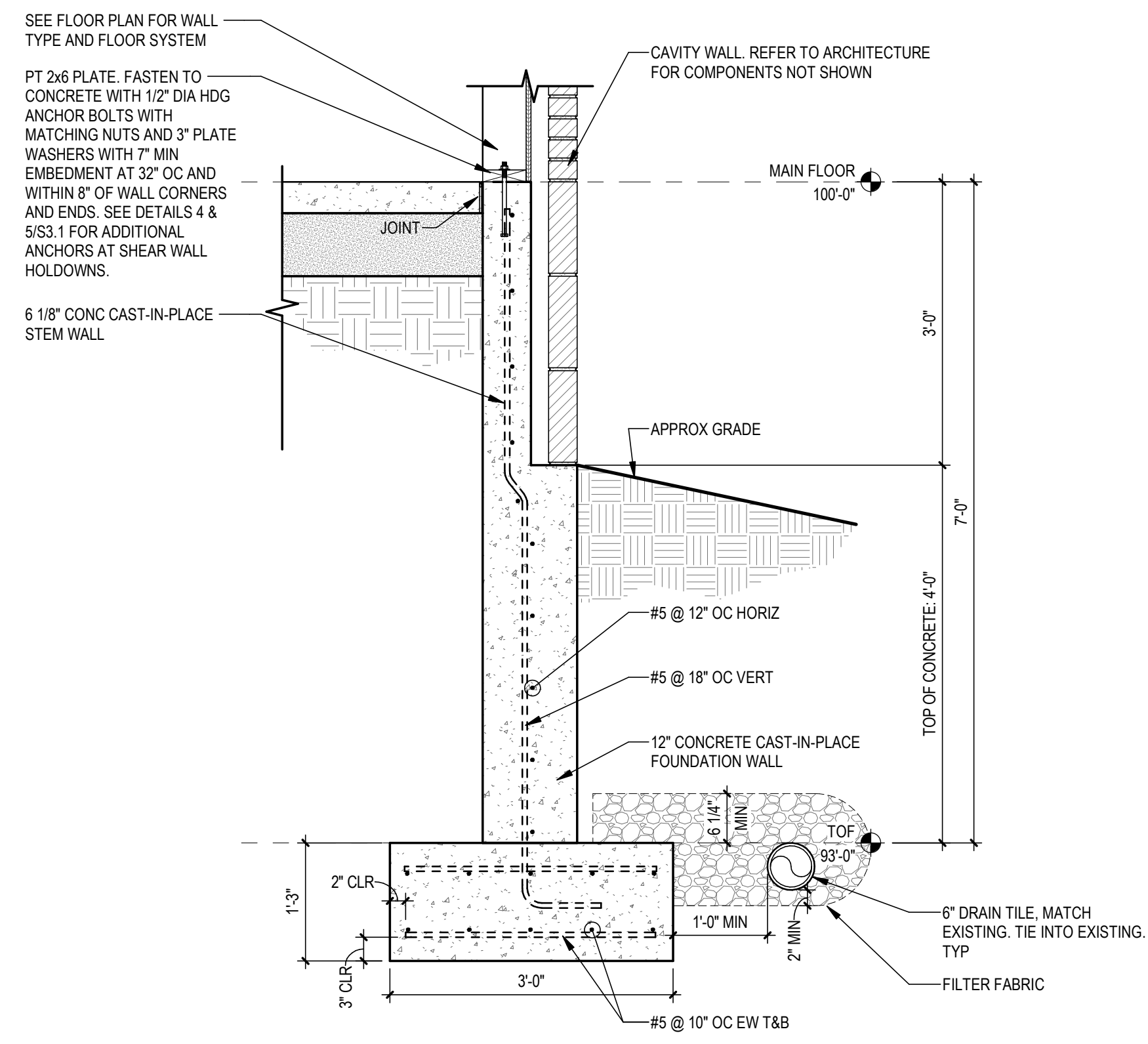
No.	Description	Date

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 STRUCTURAL SECTIONS & ELEVATIONS

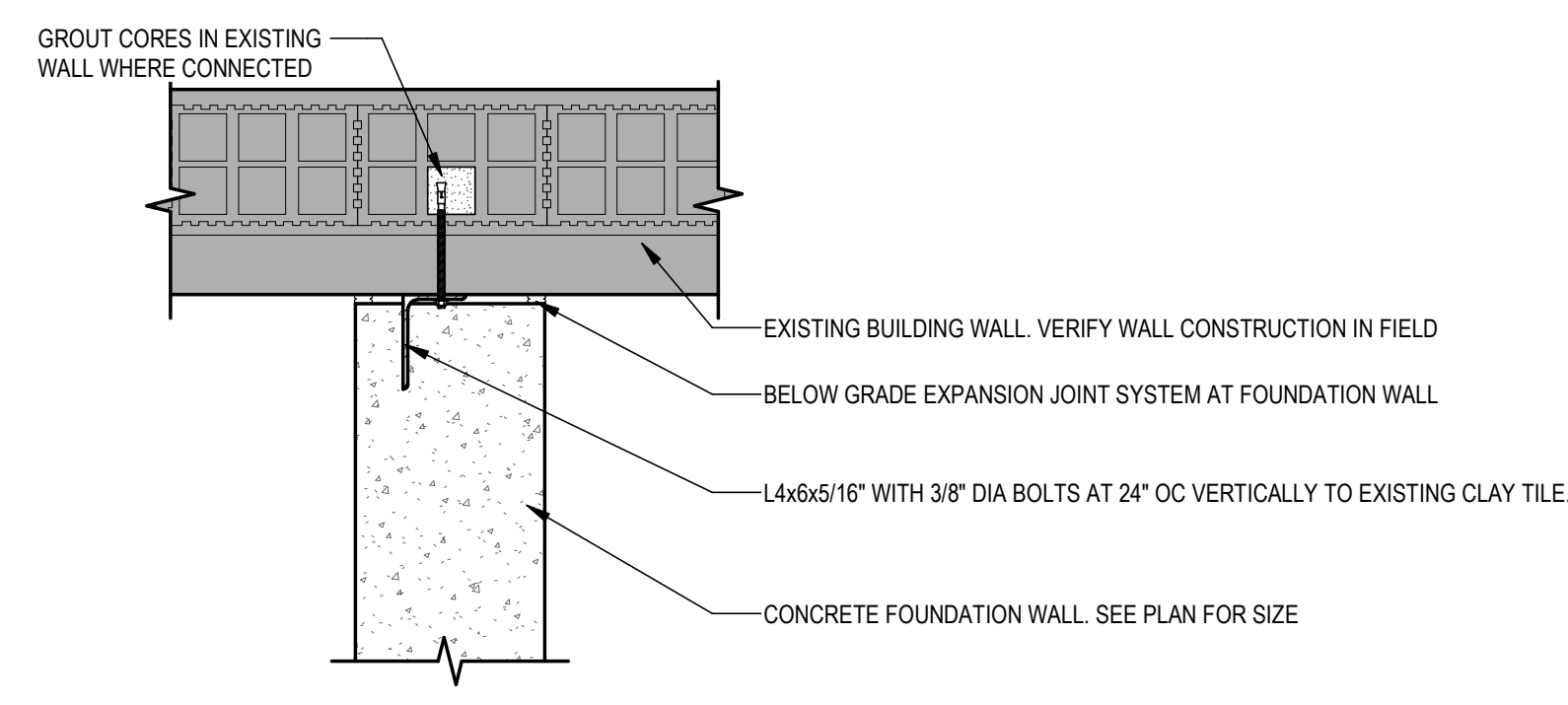
PROJECT NUMBER 24-022
 DATE 09-17-2024
 DRAWN BY AMA
 CHECKED BY ALR

S3.1

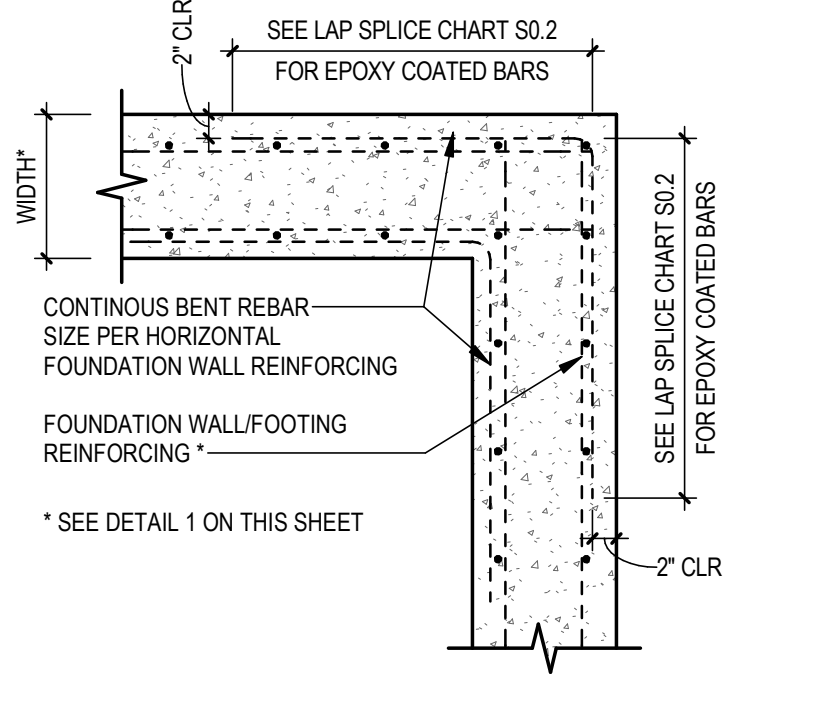
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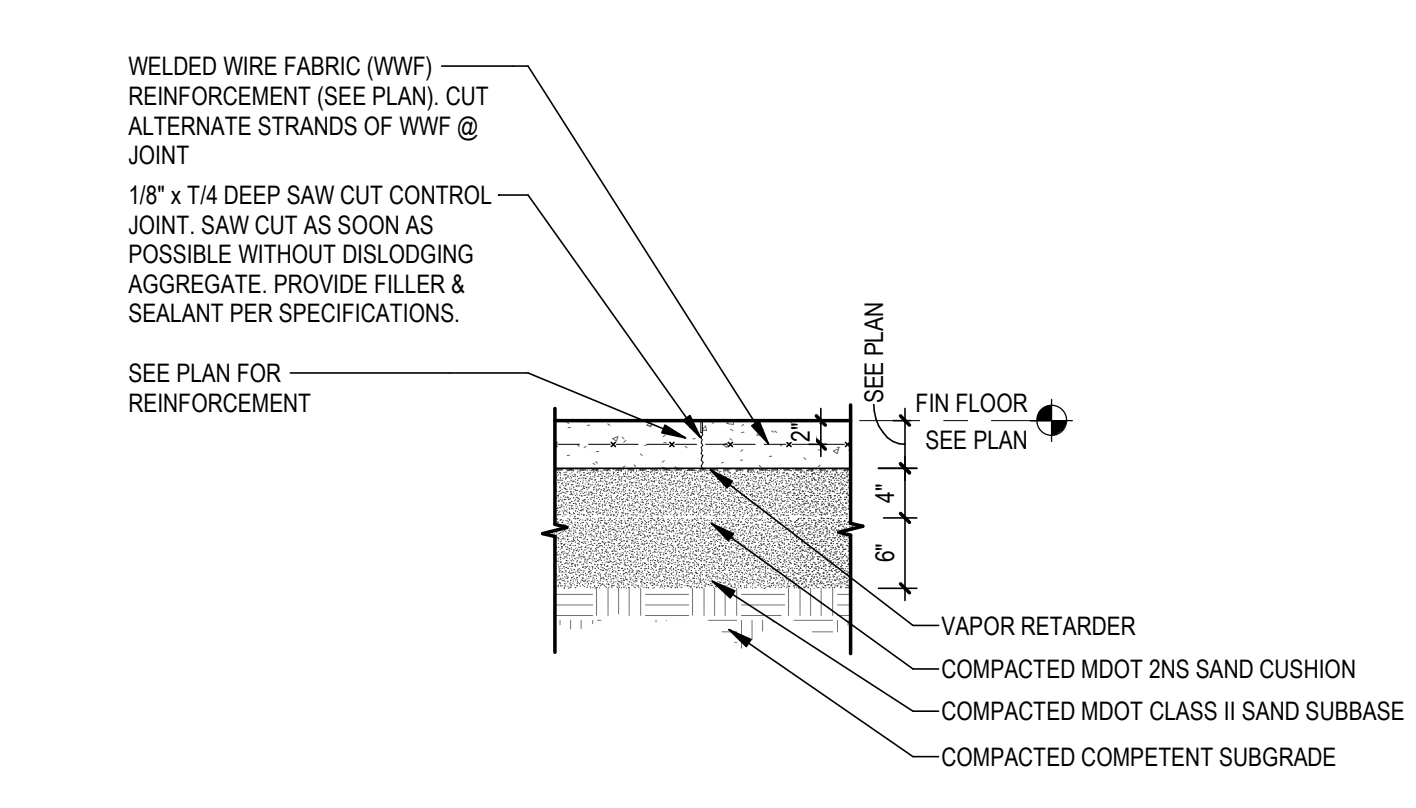
1 FOUNDATION DETAIL @ EXTERIOR WALL
3/4" = 1'-0"



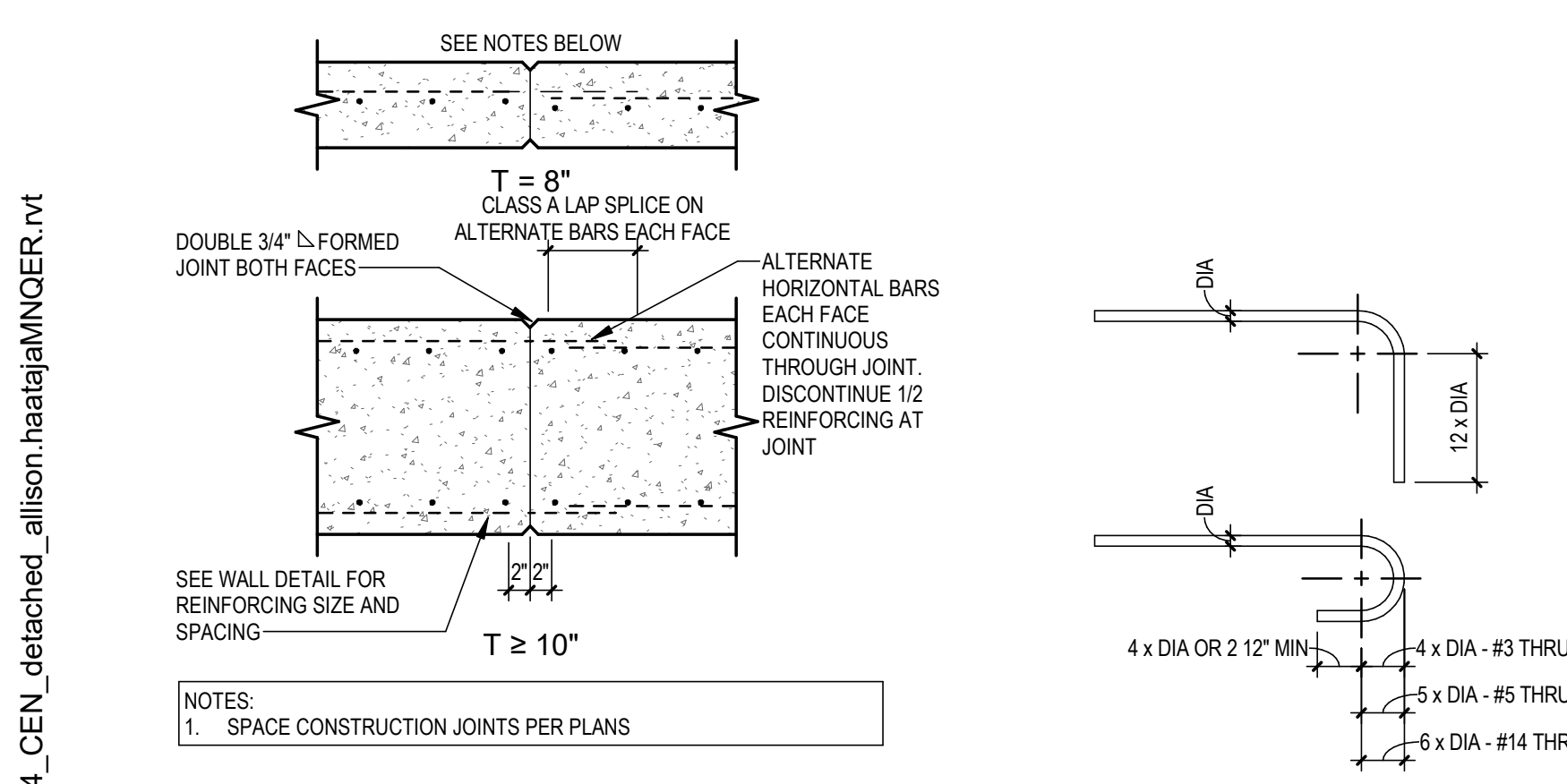
2 EXISTING WALL TO NEW
1" = 1'-0"



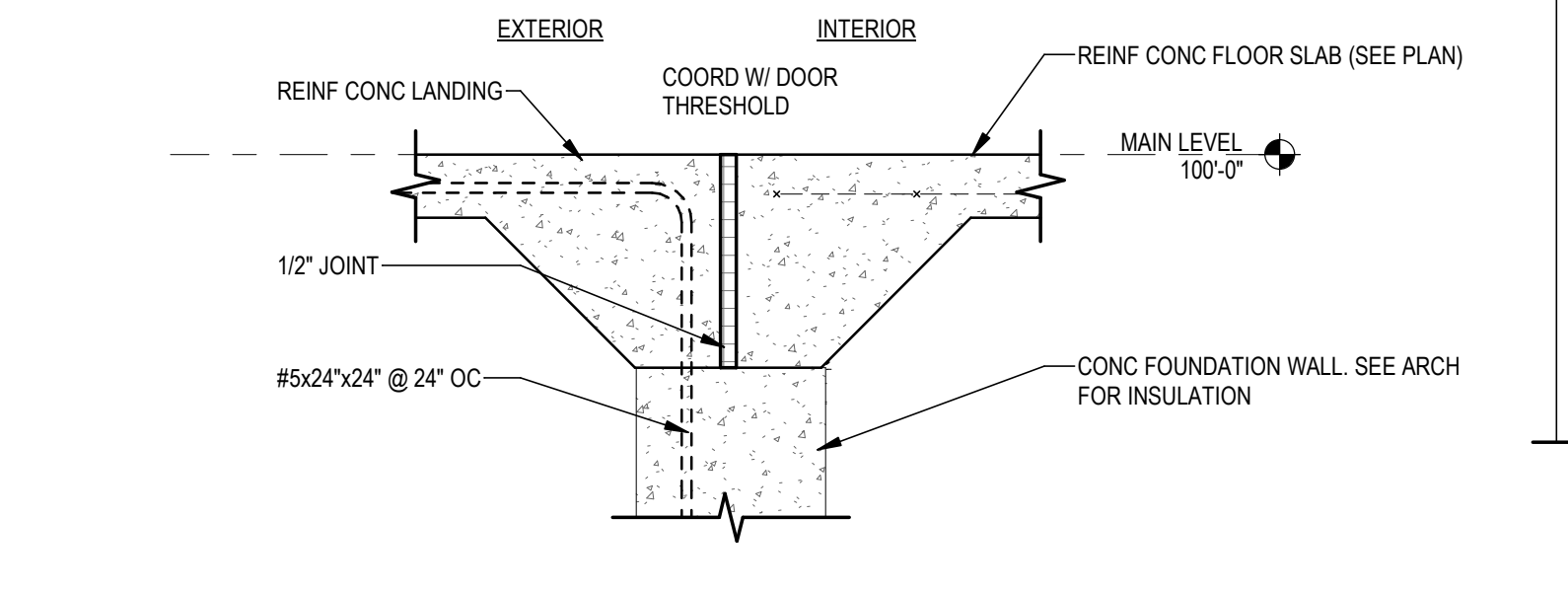
3 TYP CORNER REINFORCING
3/4" = 1'-0"



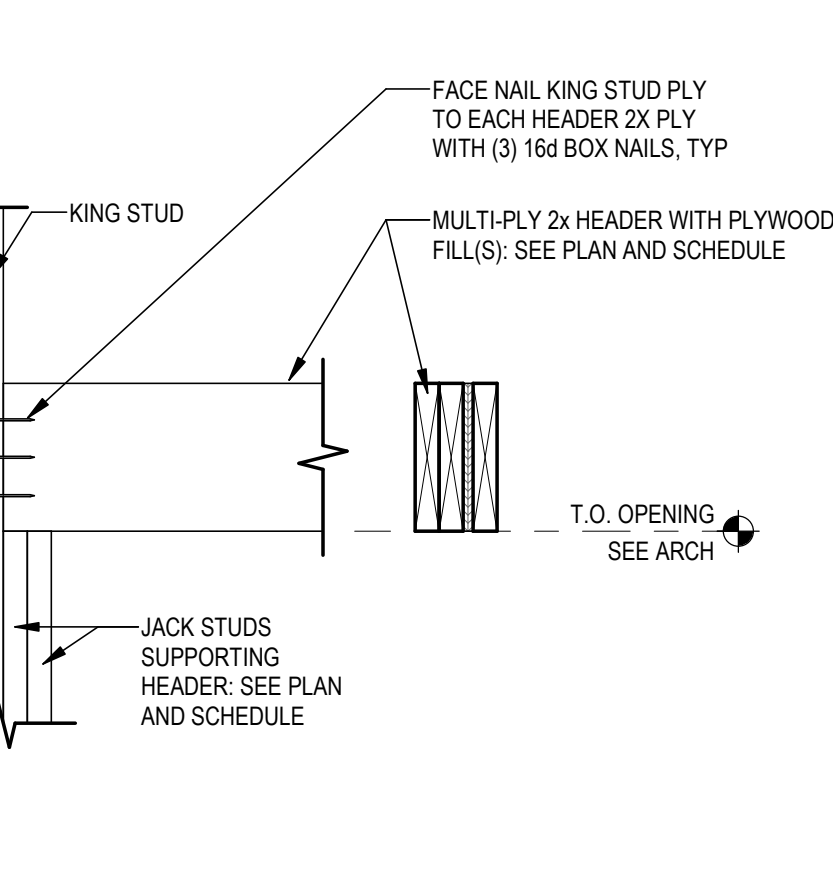
4 TYP SLAB-ON-GRADE SAW-CUT JOINT
3/4" = 1'-0"



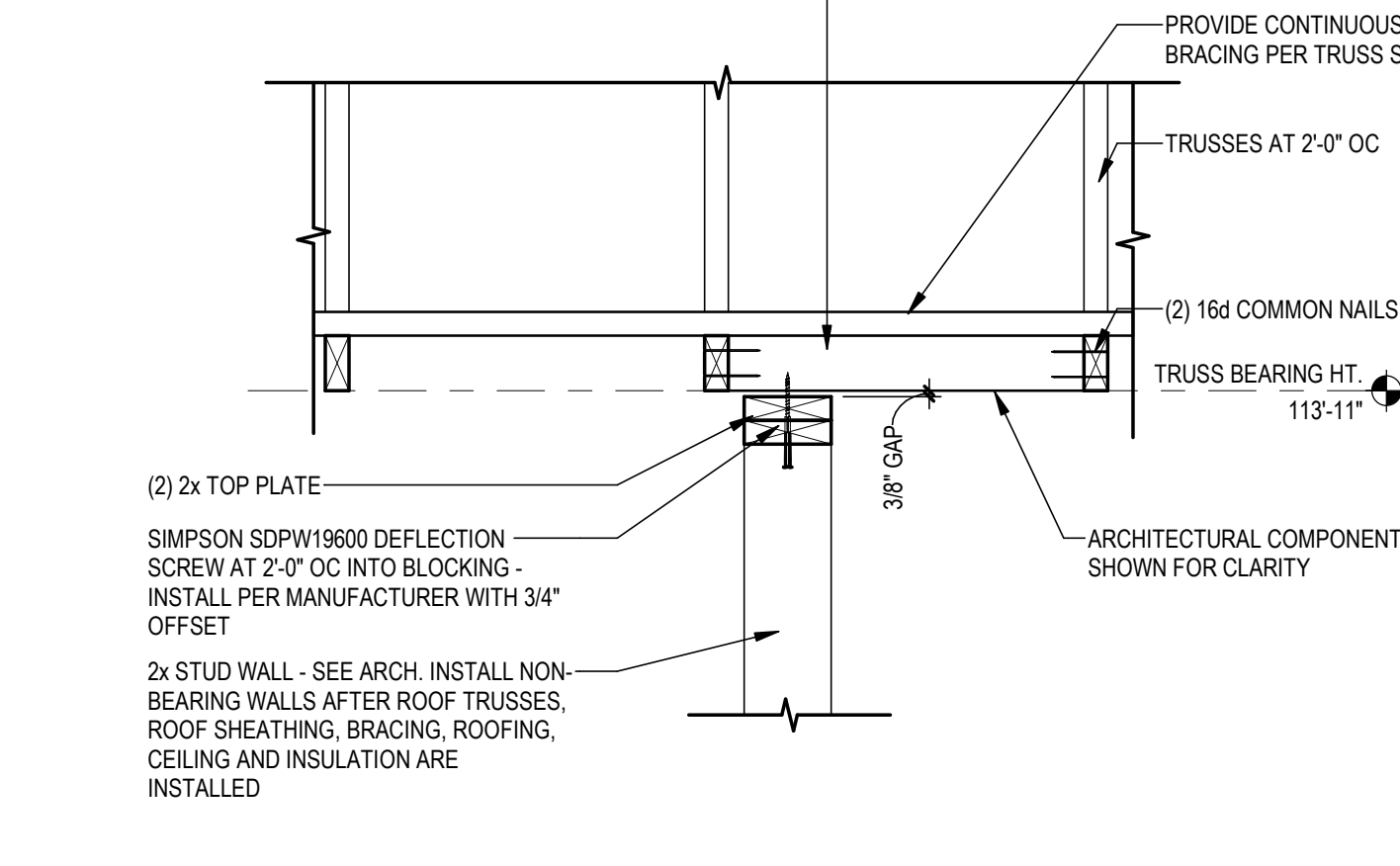
5 TYPICAL CONCRETE WALL CONSTRUCTION JOINT
3/4" = 1'-0"



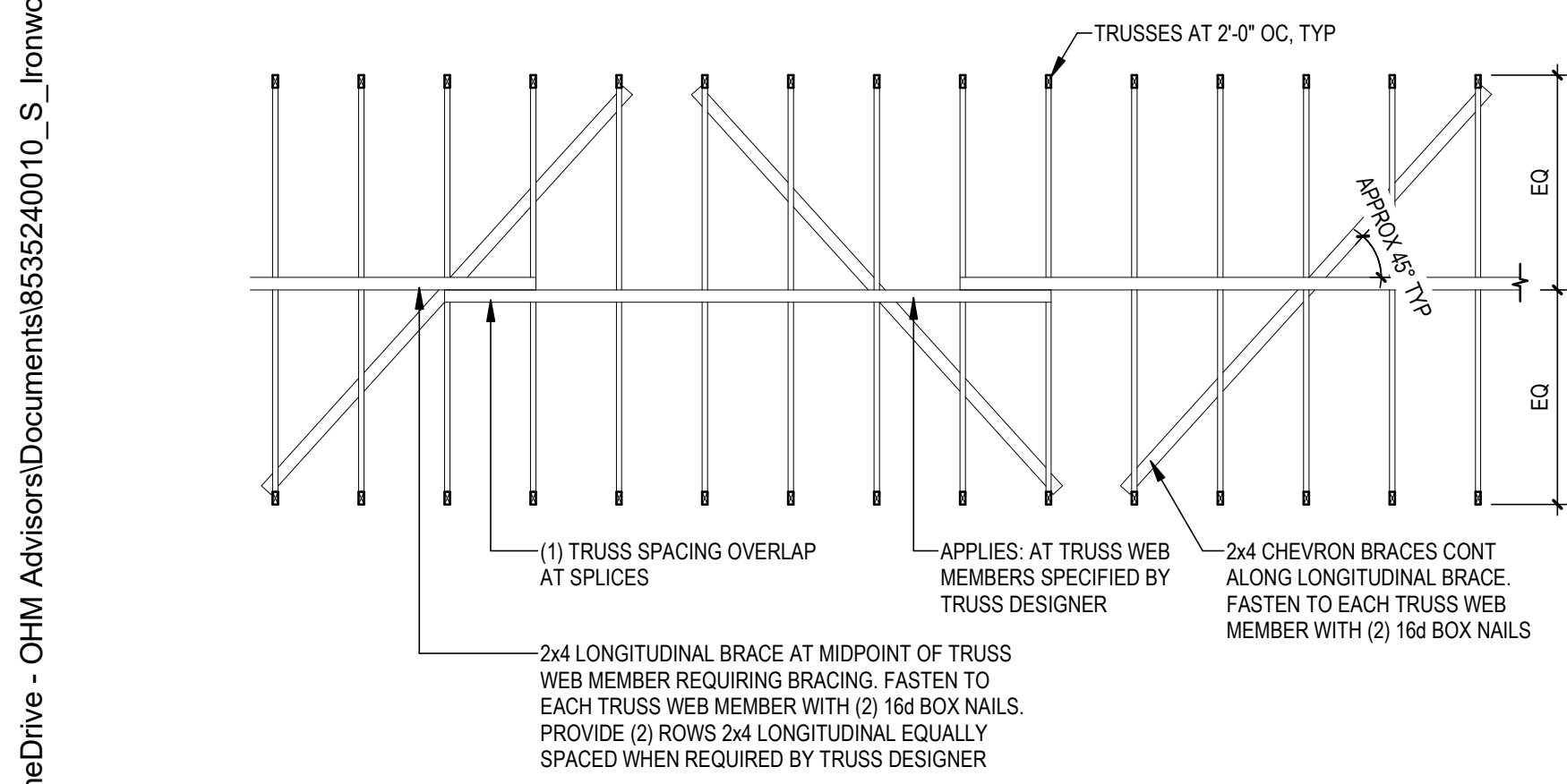
6 TYP REBAR HOOK RADIUS
3/4" = 1'-0"



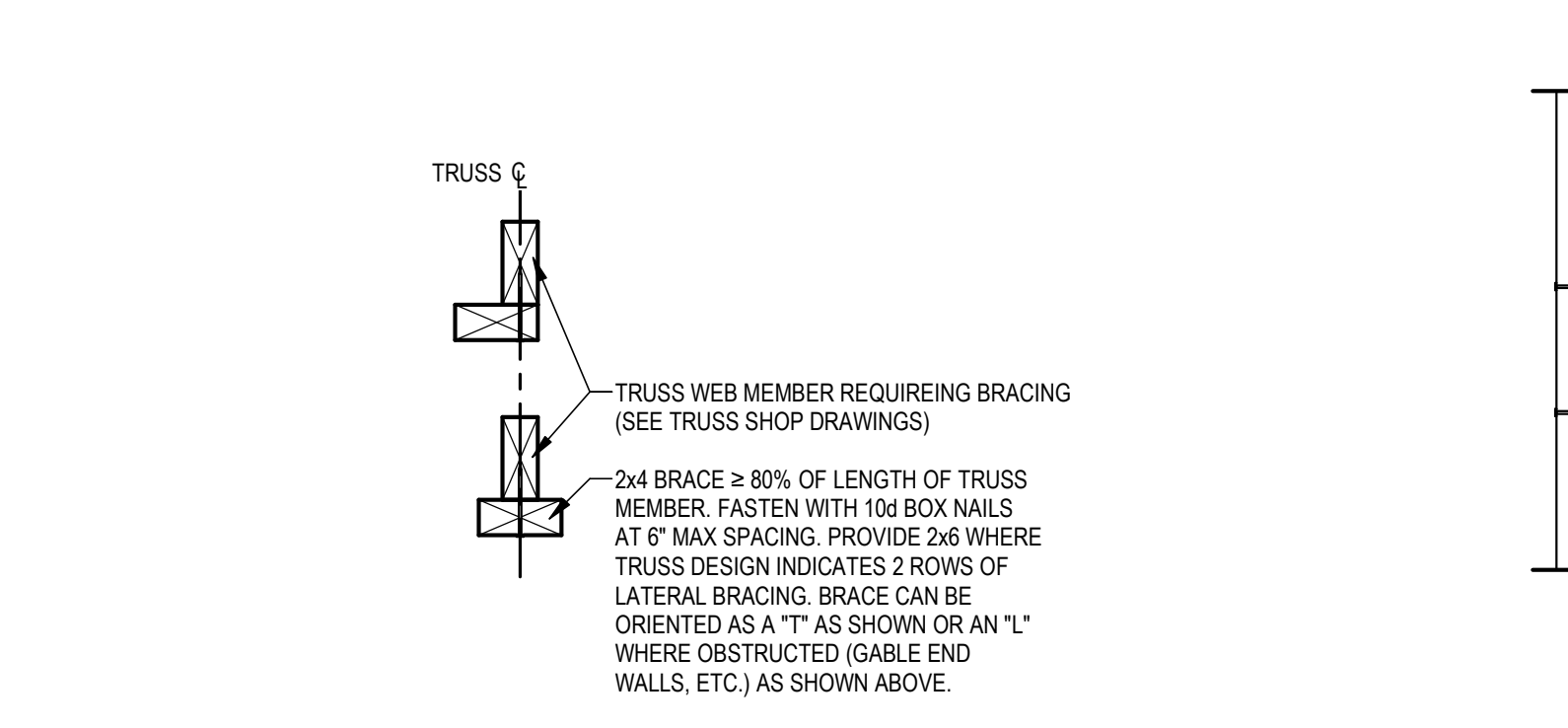
7 EXTERIOR DOOR CONNECTION
1" = 1'-0"



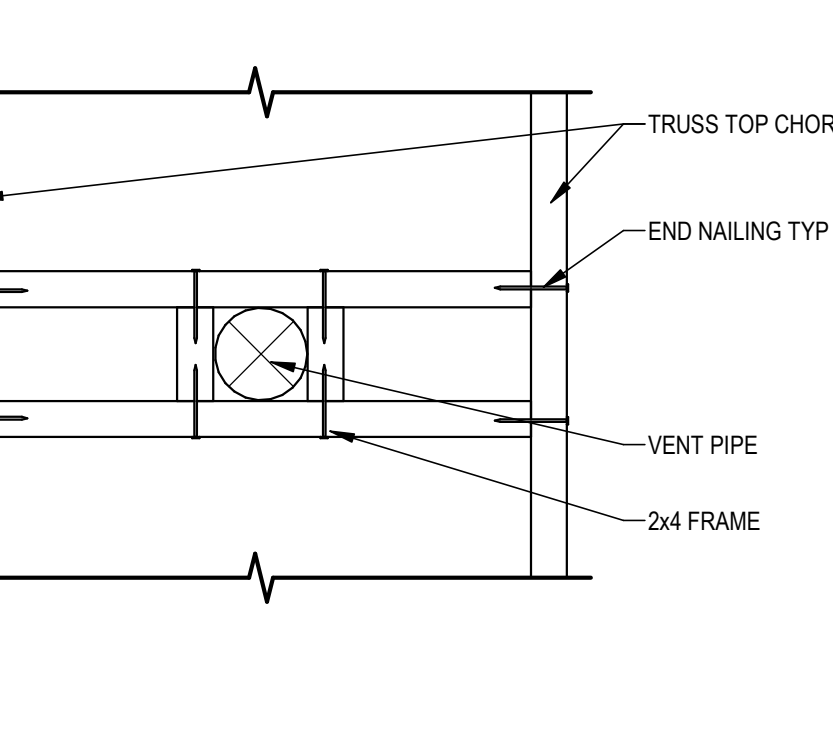
8 TYPICAL HEADER DETAIL
1" = 1'-0"



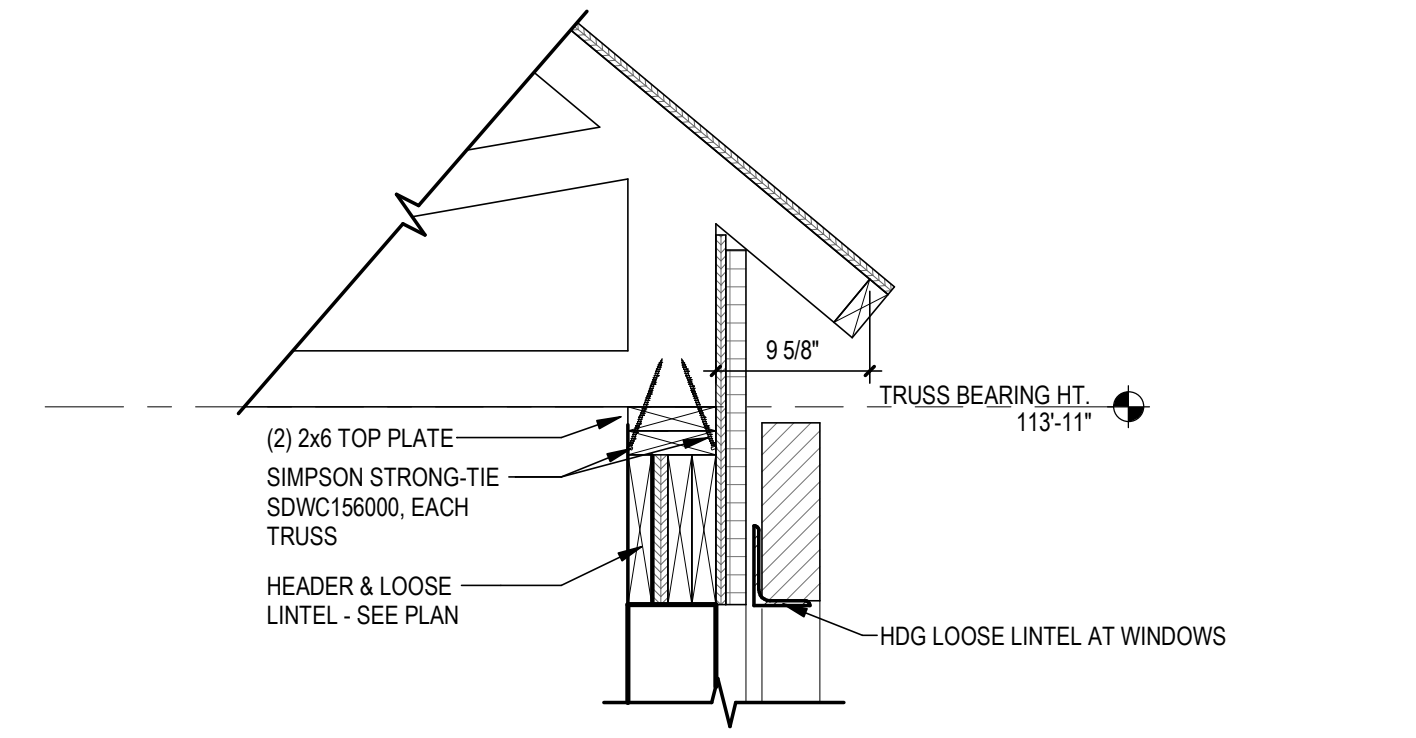
10 TYPICAL TRUSS WEB MEMBER LATERAL BRACING
1/4" = 1'-0"



11 TYPICAL ALTERNATE TRUSS WEB MEMBER LATERAL STABILITY BRACING
1 1/2" = 1'-0"



12 ROOF PENETRATION SLIDING SNOW SUPPORT
1 1/2" = 1'-0"



13 TYPICAL EAVE DETAIL
1" = 1'-0"

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STATE OF MICHIGAN
ALICE LORANE JOACHE
ENGINEER
No. 62017069102
PROFESSIONAL ENGINEER
OHM Job #: 8535-24-0010
September, 17th 2024

REVISIONS

No.	Description	Date

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STRUCTURAL DETAILS

PROJECT NUMBER 24-022
DATE 09-17-2024
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STATEMENT OF SPECIAL INSPECTIONS

- 1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2015 MICHIGAN BUILDING CODE (MBC) CHAPTER 17 AND AS MODIFIED HEREIN.
2. DESIGNATIONS:
SI SPECIAL INSPECTOR QUALIFIED WITH DEMONSTRATED COMPETENCE DOCUMENTED BY CERTIFICATIONS FROM RECOGNIZED AGENCIES SUCH AS AWS, ACI, INTERNATIONAL CODE COUNCIL (IBC), MASONRY INSTITUTE OF MAY BE A FIRM WITH MULTIPLE SPECIALISTS AND A PROJECT MANAGER PROVIDING REPORTS.
TA TESTING AGENCY QUALIFIED TO TEST AND INSPECT MATERIALS AND ASSEMBLIES TESTING.
SE SPECIALTY ENGINEER RESPONSIBLE FOR DESIGNING ASSEMBLIES SUCH AS PRECAST CONCRETE, STEEL JOISTS, COLD FORMED FRAMING ASSEMBLIES, ETC. SPECIALTY ENGINEER SHALL PROVIDE OBSERVATION OF FABRICATED AND INSTALLED ITEMS OF THEIR DESIGN IN ADDITION TO THE SPECIAL INSPECTION.
3. TA AND SE SHALL SUBMIT RECORDS OF THE INSPECTION RESULTS TO THE SI. THE SI SHALL COMPLETE AND SUBMIT INSPECTION RECORDS TO THE ARCHITECT/ENGINEER AND BUILDING OFFICIAL RECORDS SHALL INCLUDE STATEMENTS OF TESTS, WHETHER INSTALLED/FABRICATED ITEM COMPLIES WITH CONTRACT DOCUMENTS, REMEDIAL WORK PERFORMED, RETESTS.
4. SI SHALL PROVIDE A DAILY REPORT OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS FOUND ON THE SAME DAY OF THE INSPECTION TO THE ENGINEER OF RECORD. FORMAL REPORTS OF COMPLIANCE CAN FOLLOW BY A MAXIMUM OF 2 WEEKS. SI SHALL PROVIDE AND SIGN FINAL REPORT WITH A SUMMARY OF ALL TESTS PERFORMED AND RESULTS TO THE ENGINEER OF RECORD AND BUILDING OFFICIAL, IN ACCORDANCE WITH SECTION 1704.2.4.
5. SI AND TA SHALL BE ENGAGED BY THE OWNER IN COMPLIANCE WITH THE MICHIGAN BUILDING CODE.
6. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR MAINTAINS APPROVED DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND THE GOVERNING BUILDING CODE. APPROVAL SHALL BE BASED UPON REVIEW OF FABRICATION AND QUALITY CONTROL PROCEDURES AND PERIODIC INSPECTION OF FABRICATION PRACTICES BY THE BUILDING...
7. REFER TO SPECIAL INSPECTION SCHEDULES AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL QUALITY CONTROL TESTING AND INSPECTIONS.

SPECIAL INSPECTION REQUIREMENTS - SOIL AND FOUNDATIONS

Table with 6 columns: INSPECTION TASK, INSPECTION TYPE (CONTINUOUS, PERIODIC), REFERENCED STANDARD, MBC REFERENCE, SPECIFICATION, RESPONSIBLE AGENT. Contains 5 rows of inspection tasks for soil and foundations.

SPECIAL INSPECTION REQUIREMENTS - CONCRETE CONSTRUCTION

Table with 6 columns: INSPECTION TASK, INSPECTION TYPE (CONTINUOUS, PERIODIC), REFERENCED STANDARD, MBC REFERENCE, SPECIFICATION, RESPONSIBLE AGENT. Contains 10 rows of inspection tasks for concrete construction.

SPECIAL INSPECTION REQUIREMENTS - WOOD CONSTRUCTION

Table with 6 columns: INSPECTION TASK, INSPECTION TYPE (CONTINUOUS, PERIODIC), REFERENCED STANDARD, IBC REFERENCE, SPECIFICATION, RESPONSIBLE AGENT. Contains 5 rows of inspection tasks for wood construction.

STRUC. ABBR. STRUC. ABBR.

- A AND
@ AT
ALUM ALUMINUM
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX APPROXIMATE
ARCH ARCHITECTURAL (ARCHITECT)
ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS
B
BF BOTH FACES
BLDG BUILDING
BLK BLOCK
BLKG BLOCKING
BOF BOTTOM OF FOOTING
BOT BOTTOM
BRG BEARING
BRKT BRACKET
BTWN BETWEEN
C
CIP CAST-IN-PLACE
CJ CONTROL JOINT
CL CENTER LINE
CLR CLEAR
CMU CONCRETE MASONRY UNIT
COL COLUMN
CONC CONCRETE
D
DEG DEGREE
DEMO DEMOLITION
DET DETAIL
DIA DIAMETER
DIST DISTANCE
DL DEAD LOAD
E
EA EACH
EF EACH FACE
EJ EXPANSION JOINT
EL ELEVATION
ENG ENGINEER
ENTR ENTRANCE
EO EQUAL
EQUIP EQUIPMENT
ES EACH SIDE
EW EACH WAY
EXP EXPANSION (EXPOSED)
EXST EXISTING
F
FD FLOOR DRAIN
FF FINISHED FLOOR
FIN FINISH / FINISHED
FT FOOT / FEET
FTG FOOTING
G
GA GAGE
GALV GALVANIZED
GB GYPSUM BOARD
GYP GYPSUM
H
HDR HEADER
HORIZ HORIZONTAL
HR HOUR
HT HEIGHT
I
IN INCH / INCHES
INSUL INSULATION
J
JST JOIST
JT JOINT
L
LLH LONG LEG HORIZONTAL
LLV LONG LEG VERTICAL
LONG LONGITUDINAL
LP LOW POINT
LT LEFT
M
MAX MAXIMUM
MBC MICHIGAN BUILDING CODE
MECH MECHANICAL
MFR MANUFACTURER
MIN MINIMUM
MISC MISCELLANEOUS
MO MASONRY OPENING
N
N NORTH
NA NOT APPLICABLE
NIC NOT IN CONTRACT
No. NUMBER
NOM NOMINAL
NTS NOT TO SCALE
O
OBC OHIO BUILDING CODE
OC ON CENTER
OH OVERHEAD
P
PCF POUNDS PER CUBIC FOOT
PL PLATE
PLMB PLUMBING
PLYWD PLYWOOD
PREFAB PREFABRICATED
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT PRESSURE TREATED
PVC POLYVINYL CHLORIDE
Q
QTY QUANTITY
R
REINF REINFORCE
REQD REQUIRED
REV REVISE / REVISION
RO ROUGH OPENING
RS ROUGH SAWN
RT RIGHT
S
SIM SIMILAR
SOG SLAB ON GRADE
SQ FT SQUARE FOOT / FEET
SQ IN SQUARE INCH / INCHES
STL STEEL
T
T&B TOP & BOTTOM
T&G TONGUE & GROOVE
TEMP TEMPERATURE / TEMPERED
TOB TOP OF BEAM
TOC TOP OF CONCRETE
TOM TOP OF MASONRY
TOS TOP OF SOIL
TOW TOP OF WALL
TYP TYPICAL
U
UNO UNLESS NOTED OTHERWISE
V
VERT VERTICAL
W
W WITH
WO WITHOUT
WD WOOD
WF WIDE FLANGE
WT WEIGHT
WWF WELDED WIRE FABRIC
Y
Y YARD

STRUCTURAL SYMBOLS LEGEND

Diagrammatic legend for structural symbols including View References, Notes & Annotations, Connection Types, Building Elements, Masonry System, Foundation System, Rebar Framing System, and Wood Framing System.



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ALTERNATE



SYSTEM SPECIFIC SYMBOLS

Diagrammatic legend for system specific symbols including Masonry System, Foundation System, Rebar Framing System, and Wood Framing System.

REVISIONS

Table with 3 columns: No., Description, Date. Contains one empty row.

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STRUCTURAL SYMBOLS, SPECIAL INSPECTIONS & ABBREVIATIONS

PROJECT NUMBER 24-022
DATE 09-17-2024
DRAWN BY AMA
CHECKED BY ALR

S0.1A

GENERAL NOTES - STRUCTURAL

- 1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS OCCUR BETWEEN DOCUMENTS, THE STRICTEST PROVISION SHALL GOVERN.
2. THE CONTRACTOR SHALL LIMIT THE AMOUNT OF LOAD IMPOSED UPON THE STRUCTURAL FRAMING SYSTEM DURING CONSTRUCTION. LOADS, INCLUDING CONSTRUCTION LOADS, MUST NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED SELF SUPPORTING, STABLE STRUCTURE UNLESS OTHERWISE INDICATED.
4. ALL MATERIALS AND WORKMANSHIP SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE GOVERNING BUILDING CODE, MICHIGAN BUILDING CODE, CURRENT EDITION.
5. ALL SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, ETC. SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER FOR CONFORMANCE WITH DESIGN INTENT ONLY.
6. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.
7. MECHANICAL FRAMING LOADS, OPENINGS AND SUPPORT STRUCTURE ARE SHOWN FOR BIDDING PURPOSES ONLY.
8. THE CONTRACTOR SHALL INFORM THE ENGINEER/ARCHITECT OF ANY DEVIATIONS FROM THE DRAWINGS, DO NOT CUT OR MODIFY STRUCTURAL MEMBERS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
9. DRAWINGS ARE INTENDED TO BE PRINTED PER THE SCALE PROVIDED. THE CONTRACTOR SHALL CONTACT THE ENGINEER IF ADDITIONAL DIMENSIONS ARE REQUIRED.
10. CONTRACTOR SHALL NOT MIX GALVANIZED AND STAINLESS STEEL AT ANY TIME. ANY METAL PARTS IN CONTACT WITH OTHER METAL PARTS SHALL BE OF A SIMILAR METAL.
11. CONTRACTOR SHALL RECOGNIZE EFFECTS OF THERMAL MOVEMENTS AND MOISTURE CONTENT CHANGES OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD AND CONSIDER THESE EFFECTS DURING CONSTRUCTION AND/OR ERECTION SEQUENCES.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE AND FUNCTIONING SYSTEMS, INCLUDING BUT NOT LIMITED TO, PROVIDING (AT NO ADDITIONAL COST) ITEMS NOT SPECIFICALLY SHOWN IN THESE DRAWINGS WHICH ARE NORMALLY CONSIDERED NECESSARY.

SOILS AND EARTHWORK

- 1. SOIL INVESTIGATIONS HAVE NOT BEEN PERFORMED FOR THIS PROJECT. PRESUMPTIVE LOAD-BEARING VALUES TO BE IN ACCORDANCE WITH MICHIGAN BUILDING CODE TABLE 1806.3 AND HISTORICAL REGIONAL DATA PROVIDED BY THE CITY ENGINEER, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL VERIFY SOIL BEARING CAPACITY PRIOR TO CONSTRUCTION.
3. SPECIAL DESIGN AND CONSTRUCTION PROVISIONS FOR THIS PROJECT'S FOUNDATIONS:
A. NONE
4. INCLUDE IN THE WORK PROVIDING ALL EQUIPMENT, MATERIAL AND QUALIFIED LABOR NECESSARY FOR EXCAVATION, SHORING, DEWATERING SYSTEMS, BACKFILL, AND COMPACTION OF SOILS, AS REQUIRED TO CONSTRUCT STRUCTURES TO THE LINE AND GRADE AS SHOWN ON THE PLANS.
5. FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL TELEPHONE (800) 482-7171 NOT LATER THAN THREE BUSINESS DAYS PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES.
6. EXCAVATE TO ELEVATIONS AND DIMENSIONS SHOWN ON THE PLANS WITHIN A TOLERANCE OF +/- 0.10 FEET. EXCAVATE BY HAND TO FINAL GRADE FOR FOOTINGS.
7. NOTIFY THE ENGINEER FOR AN INSPECTION WHEN THE EXCAVATION HAS REACHED SUB-GRADE ELEVATION.
8. SATISFACTORY SOIL MATERIALS ARE DEFINED AS GRANULAR MATERIALS CLASSIFIED AS GW, GP, GM, SW, SP, SW-SM, SP-SM OR SM BY THE UNIFIED SOILS CLASSIFICATION SYSTEM, ASTM D2487.
9. UNSATISFACTORY SOIL MATERIALS ARE DEFINED AS SOILS CLASSIFIED AS GC, SW-SC, SP-SC, SC, ML, MH, CL, CH, OL, OH, AND PT BY THE UNIFIED SOIL CLASSIFICATION SYSTEM.
10. BACKFILL ALL STRUCTURAL WORK WITH SATISFACTORY SOIL MATERIALS AND ENGINEERED FILL AS SHOWN ON PLANS.
11. COMPACT SOILS BELOW FOOTINGS TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR, ASTM D1557.
12. COMPACT BACKFILL IN LAYERS TO MINIMUM 95% MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR, OR MICHIGAN CONE TEST.

CONCRETE NOTES

- 1. PROVIDE MINIMUM 28-DAY CONCRETE COMPRESSIVE STRENGTH OF 4,000 PSI (fc = 4,000 PSI). PROVIDE NORMAL WEIGHT CONCRETE, WITH 6% ± 1.5% ENTRAINED AIR FOR EXTERIOR APPLICATIONS.
2. PROVIDE READY-MIX CONCRETE CONFORMING TO ASTM C-94.
3. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 117 301, 305R, 306.1, AND 308.1, LATEST APPLICABLE EDITION.
4. PLACE ANCHOR RODS SET IN CONCRETE TO RECEIVE STRUCTURAL STEEL WITHIN TOLERANCES SPECIFIED IN THE LATEST APPLICABLE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
5. REINFORCING STEEL CONFORMING TO ASTM A-615, GRADE 60 IS REQUIRED.
6. CONFORM TO ASTM A708/A708M, GRADE 60 FOR REINFORCING STEEL TO BE WELDED.
7. POST INSTALLED ANCHORS OR REBAR SHALL BE ANCHORED INTO CONCRETE WITH DEWALT AC108-GOLD VINYLESTER INJECTION ADHESIVE.
8. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER AS LISTED BELOW UNLESS OTHERWISE NOTED.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER
1. NO. 5 OR SMALLER 1 1/2"
2. GREATER THAN NO. 5 2"

Table with columns: BAR SIZE, TOP BARS, ALL OTHER BARS, fc=3,000 psi, fc=4,000 psi, fc=5,000 psi. Rows include #3, #4, #5, #6, #7, #8.

- * TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW BAR.
+ LAP SPLICE LENGTHS SHOWN ARE CLASS B SPLICE LENGTHS FOR UNCOATED OR GALVANIZED BARS WITH CLEAR COVER OF 3/8 OR MORE AND WITH CLEAR SPACING OF 3/8 OR MORE.
8. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER AS LISTED BELOW UNLESS OTHERWISE NOTED.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER
1. NO. 5 OR SMALLER 1 1/2"
2. GREATER THAN NO. 5 2"
C. SLAB ON GRADE: 2" FROM T/SLAB

LOOSE LINTEL & FRAMING NOTES

FOR ALL FRAMING & OPENINGS IN WALLS, INCLUDING THOSE FOR DOORWAYS, DUCTS & EQUIPMENT, PROVIDE (1) ANGLE FOR EACH 4" OF WALL THICKNESS AS FOLLOWS:

- 1. L1: SPANS TO 4'-0": L3 1/2x3 1/2x5/16
2. L2: SPANS 4'-1" TO 7'-0": L5x3 1/2x5/16
3. SPANS LARGER THAN 7'-0": REFER TO PLAN

LINTEL BEARING (MIN)

- 1. L1: SPANS TO 4'-0": 6" EACH END
2. L2: SPANS 4'-1" TO 7'-0": 8" EACH END
3. SPANS LARGER THAN 7'-0": REFER TO PLAN

NOTES:

- 1. ALL OPENINGS ARE NOT SHOWN IN THE FRAMING PLANS. REFER TO ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS AND DETAILS FOR OPENINGS AND RECESSES.
2. WHERE ARE NOT DETAILED OR NOTED, PROVIDE LINTELS FOR ALL OPENINGS PER ABOVE NOTES.
3. ALL EXTERIOR, EXPOSED STL LINTELS SHALL BE HOT DIPPED GALVANIZED.

WOOD FRAMING NOTES

- 1. ALL FRAMING SHALL BE SPRUCE-PINE-FIR (S.P.F.) NO. 2 OR BETTER; Fb=875 PSI; E=1.4X10^6 PSI; Fv=135 PSI; Fcperp =425 PSI. ALL WOOD LABELED "PT" SHALL BE S.P.F. NO. 2 OR BETTER AND BE PRESSURE TREATED FOR GROUND CONTACT.
2. FLOOR TRUSS JOISTS SHALL BE TRUSS-JOIST MC MILLAM T.J.I. SERIES OR EQUAL.
3. HANGERS/CONNECTORS SHALL BE 18 GA GALVANIZED, SIMPSON STRONG-TIE OR EQUAL.
4. SHEATHING/FLOORING SHALL BE APA GRADED AS FOLLOWS:
A. ROOF SHEATHING SHALL BE 19/32" APA 40/20 SPAN RATED EXPOSURE 1 PLYWOOD WITH 2-SPANS MINIMUM CONTINUOUS APPLIED IN A STAGGERED PANEL LAYOUT WITH THE STRENGTH AXIS PERPENDICULAR TO THE SUPPORTING MEMBERS.
B. EXTERIOR WALL SHEATHING: 1/2" MIN. APA 32/16 EXPOSURE 1, STRUCTURAL 1 5-PLY PLYWOOD SHEATHING.
C. FLOOR SHEATHING SHALL BE 23/32" APA 40/20 SPAN RATED EXPOSURE 1 PLYWOOD WITH 2-SPANS MINIMUM CONTINUOUS APPLIED IN A STAGGERED PANEL LAYOUT WITH THE STRENGTH AXIS PERPENDICULAR TO THE SUPPORTING MEMBERS.
6. INSTALL SOLID 2X S4S BLOCKING AT ALL RAFTER BEARINGS.
7. DESIGN ROOF TRUSSES TO CONFORM WITH LOCAL CODES AND THE DESIGN LOADS STATED HEREIN.
8. "WD COL" DENOTES SOLID OR BUILT-UP WOOD COLUMNS.
9. WHERE HEADERS ARE NOT SPECIFIED OVER DOORS, WINDOWS OR OTHER OPENINGS WITHIN BEARING OR EXTERIOR WALLS PROVIDE A MINIMUM (3) 2X12 HEADER.
10. STEEL PLATES OR FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER AND PROTECTED WITHIN THE BUILDING ENVELOPE.
11. FASTEN MEMBERS IN ACCORDANCE WITH MICHIGAN BUILDING CODE TABLE 2304.10.1.
12. WHERE NOTED, NAIL SIZES ARE BASED ON THE FOLLOWING MINIMUM SIZES

Table with columns: SIZE, DESIGNATION, MIN SIZE. Rows include 6d BOX, 6d COMMON, 8d BOX, 8d COMMON, 10d BOX, 10d COMMON, 12d BOX, 12d COMMON, 16d BOX, 16d COMMON.

PRE-ENGINEERED WOOD TRUSS NOTES

- 1. CONTRACTOR SHALL PROVIDE AND INSTALL METAL-PLATE CONNECTED WOOD TRUSSES DESIGNED TO SUPPORT THE LOADS INDICATED ON THE PLANS.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MICHIGAN.
3. TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR WIND LOADS PER SEI/ASCE 7-02.
4. CONTRACTOR SHALL SUPPLY, INSTALL, AND REMOVE ALL NECESSARY TEMPORARY BRACING REQUIRED FOR INSTALLATION OF WOOD TRUSSES AND MEMBERS.
5. METAL PLATE CONNECTORS SHALL COMPLY WITH TPI 1, HOT-DIP GALVANIZED STEEL SHEET.
6. PROVIDE DIMENSIONAL LUMBER OF ANY SPECIES FOR TRUSS CHORD AND WEB MEMBERS.
7. CONTRACTOR SHALL INSTALL SIMPSON STRONG-TIE SDWC 156000 TRUSS SCREWS.
8. INSTALL AND FASTEN PERMANENT BRACING DURING TRUSS ERECTION AND BEFORE CONSTRUCTION LOADS ARE APPLIED.
9. IN ADDITION TO THE ANY LATERAL BRACING WHICH IS REQUIRED BY THE TRUSS MANUFACTURER/SUPPLIER, THE CONTRACTOR SHALL PROVIDE AND INSTALL PERMANENT DIAGONAL STABILITY BRACING FOR ALL COMPRESSION WEBS AND PRIMARY TOP CHORDS OF PIGGY BACK TRUSSES.

BUILDING LOADS BUILDING CLASSIFICATION II

Table for LIVE LOADS: 1. UNIFORM FLOOR LIVE LOAD 150 psf, 2. ROOF LOAD - SEE SNOW LOAD 20 psf, 3. INTERIOR WALL LATERAL LIVE LOAD 5 psf.

Table for DEAD LOADS: 1. MATERIAL DEAD LOAD (ROOF) 20 psf, 2. MATERIAL DEAD LOAD (FLOOR) 8 psf, 3. MATERIAL DEAD LOAD (WALLS) 20 psf.

Table for SNOW LOADS: BALANCED SNOW 70 psf, 1. GROUND SNOW LOAD, Pg 60 psf, 2. FLAT-ROOF SNOW LOAD, Pf 70 psf, 3. SNOW EXPOSURE FACTOR, Ce 1.0, 4. RISK CATEGORY II, 5. SNOW LOAD IMPORTANCE FACTOR, Ie 1.0, 6. ROOF THERMAL FACTOR, Ct 1.0, 7. SLOPED ROOF FACTOR, Csu 1.0, 8. SLOPED ROOF SNOW LOAD, Ps 70 psf.

DRIFT SNOW AT BREEZEWAY
MAX DRIFT = Pd = 125.0 psf SEE DIAGRAM

Table for WIND LOADS: VASD = VULT(0.6)^1/2, QASD = QULT(0.6)

Table for LOAD OR VARIABLE: 1. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST) 115.0 mph, 2. RISK CATEGORY II, 3. WIND EXPOSURE CATEGORY A, 4. INTERNAL PRESSURE COEFFICIENT (ENCLOSED BUILDING) ±0.18, 5. MAIN WIND FORCE RESISTING SYSTEM (MAX ROOF UPLIFT) 12 psf, 6. MAIN WIND FORCE RESISTING SYSTEM (MAX WALL) 32 psf, 7. COMPONENTS & CLADDING DESIGN PRESSURE (ZONE 1) +16.0, -27.0 psf, 8. COMPONENTS & CLADDING DESIGN PRESSURE (ZONE 2) +16.0, -43.0 psf, 9. COMPONENTS & CLADDING DESIGN PRESSURE (ZONE 3) +16.0, -64.0 psf, 10. COMPONENTS & CLADDING DESIGN PRESSURE (ZONE 4) +27.0, -29.0 psf, 11. COMPONENTS & CLADDING DESIGN PRESSURE (ZONE 5) +27.0, -34.0 psf.

EARTHQUAKE DESIGN DATA

Table for LOAD VARIABLE: 1. RISK CATEGORY II, 2. SEISMIC IMPORTANCE FACTOR, Ie 1.0, 3. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Ss 0.044 g, 4. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, S1 0.018 g, 5. SITE CLASS D, 6. SEISMIC DESIGN CATEGORY A, 7. BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAMED (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE, 8. SEISMIC RESPONSE COEFFICIENT(S), Cs (SECTION 12.8.1.1) 0.0072, 9. RESPONSE MODIFICATION COEFFICIENT(S), R (SECTION 12.2-1) 6.5, 10. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE, SECTION 12.8

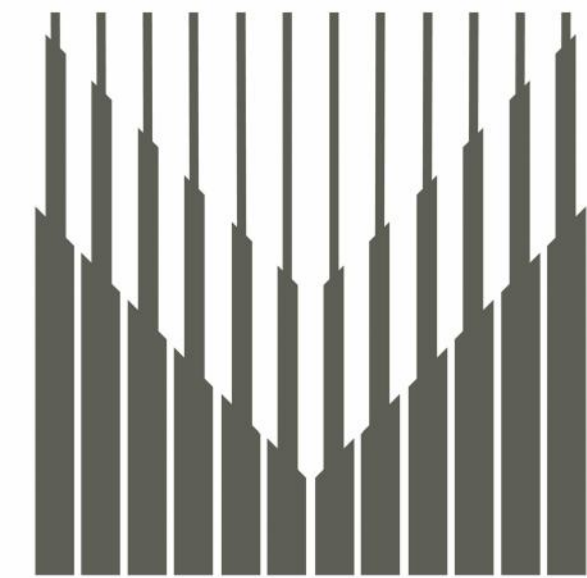
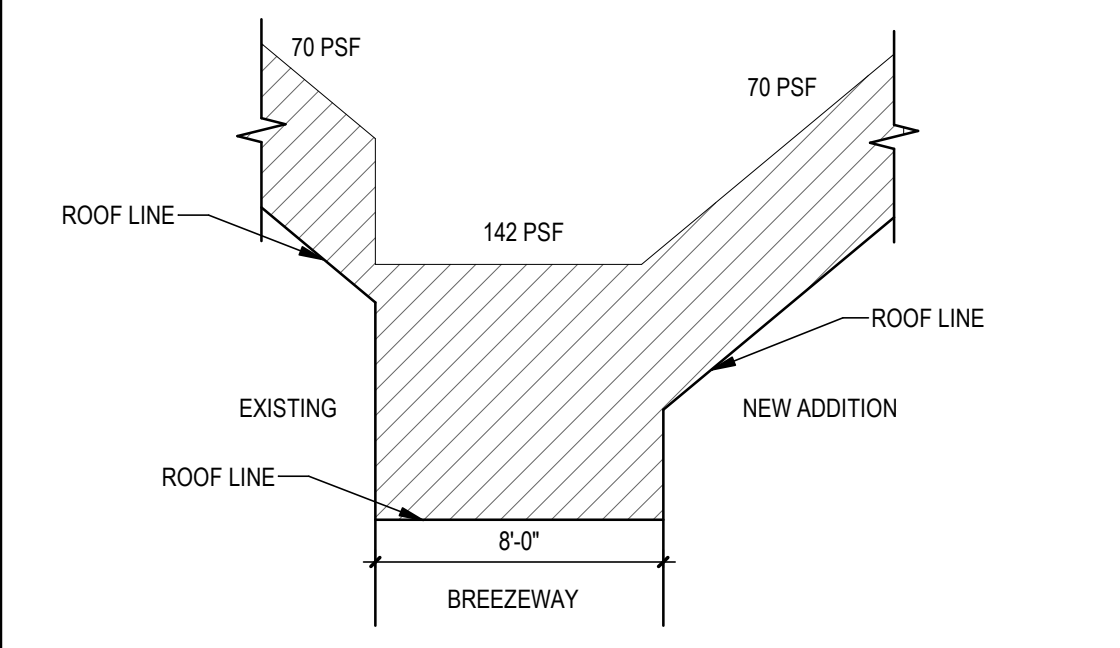
ASSUMED SOIL BEARING STRENGTH 3,000 psf

CONTRACTOR SHALL VERIFY SOIL BEARING CAPACITY PRIOR TO CONSTRUCTION

NOTES

- 1. APPLICABLE CODE IS 2015 MICHIGAN BUILDING CODE.
2. APPLICABLE TECHNICAL CODE IS ASCE/SEI 7-10.
3. WIND LOAD BASED ON ASCE 7-10
A. MWFS: CHAPTER 28, PART 2, METHOD 2
B. C&C: CHAPTER 30, PART 1, METHOD 1
4. LOADS ARE BASED ON PART 3 OF THE MBC 2015 UNLESS OTHERWISE NOTED.

SNOW LOAD DIAGRAM



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OHM Job #: B535-24-0010 September, 17th 2024

REVISIONS

Table with columns: No., Description, Date.

CITY OF IRONWOOD IRONWOOD CARNEGIE LIBRARY

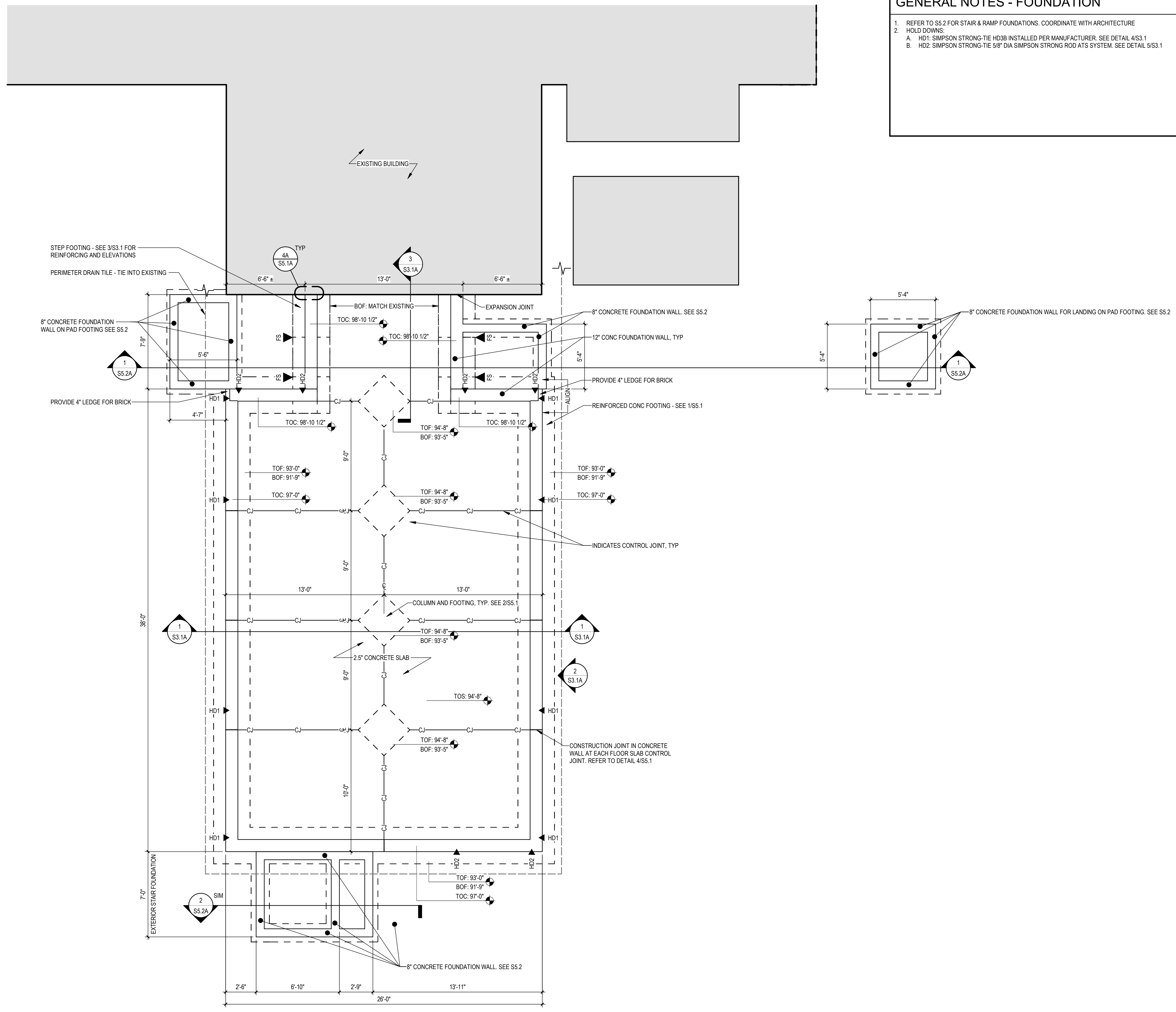
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STRUCTURAL NOTES & BUILDING LOADS

PROJECT NUMBER 24-022
DATE 09-17-2024
DRAWN BY AMA
CHECKED BY ALR

S0.2A

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GENERAL NOTES - FOUNDATION

1. REFER TO S5.2 FOR STAIR & RAMP FOUNDATIONS. COORDINATE WITH ARCHITECTURE
2. HOLD DOWNS:
 - A. HD1: SIMPSON STRONG-TIE HD3B INSTALLED PER MANUFACTURER. SEE DETAIL 4/S3.1
 - B. HD2: SIMPSON STRONG-TIE 5/8" DIA SIMPSON STRONG ROD ATS SYSTEM. SEE DETAIL 5/S3.1

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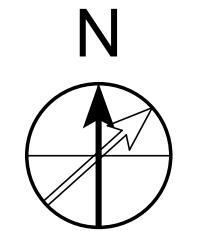
No.	Description	Date

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FOUNDATION PLAN

PROJECT NUMBER: 24-022
DATE: 09-17-2024
DRAWN BY: AMA
CHECKED BY: ALR



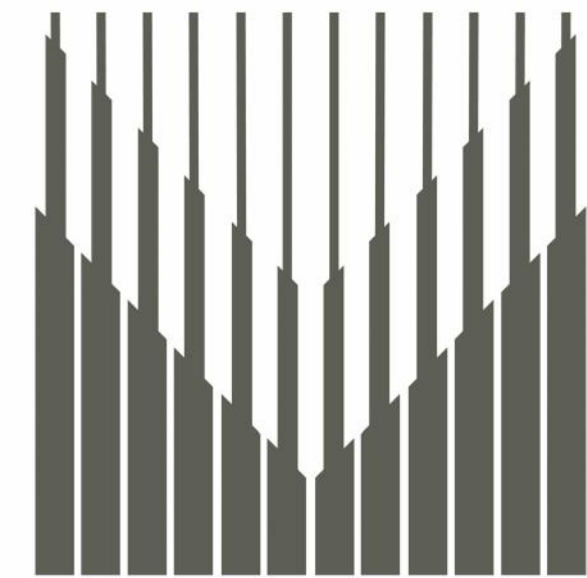
1 FOUNDATION PLAN
1/4" = 1'-0"

S1.1A

Autodesk Docs://8535-24-0010 Ironwood Carnegie Library/8535240010_S_Ironwood_CarnegieLib_2024_CEN.rvt

GENERAL NOTES - FRAMING

1. HOLD DOWNS:
 - A. HD1: SIMPSON STRONG-TIE HD3B INSTALLED PER MANUFACTURER. SEE DETAIL 4/S3.1
 - B. HD2: SIMPSON STRONG-TIE 5/8" DIA SIMPSON STRONG ROD ATS SYSTEM. SEE DETAIL 5/S3.1



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OHM Job#: 8535-24-0010
September, 17th 2024

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No.	Description	Date

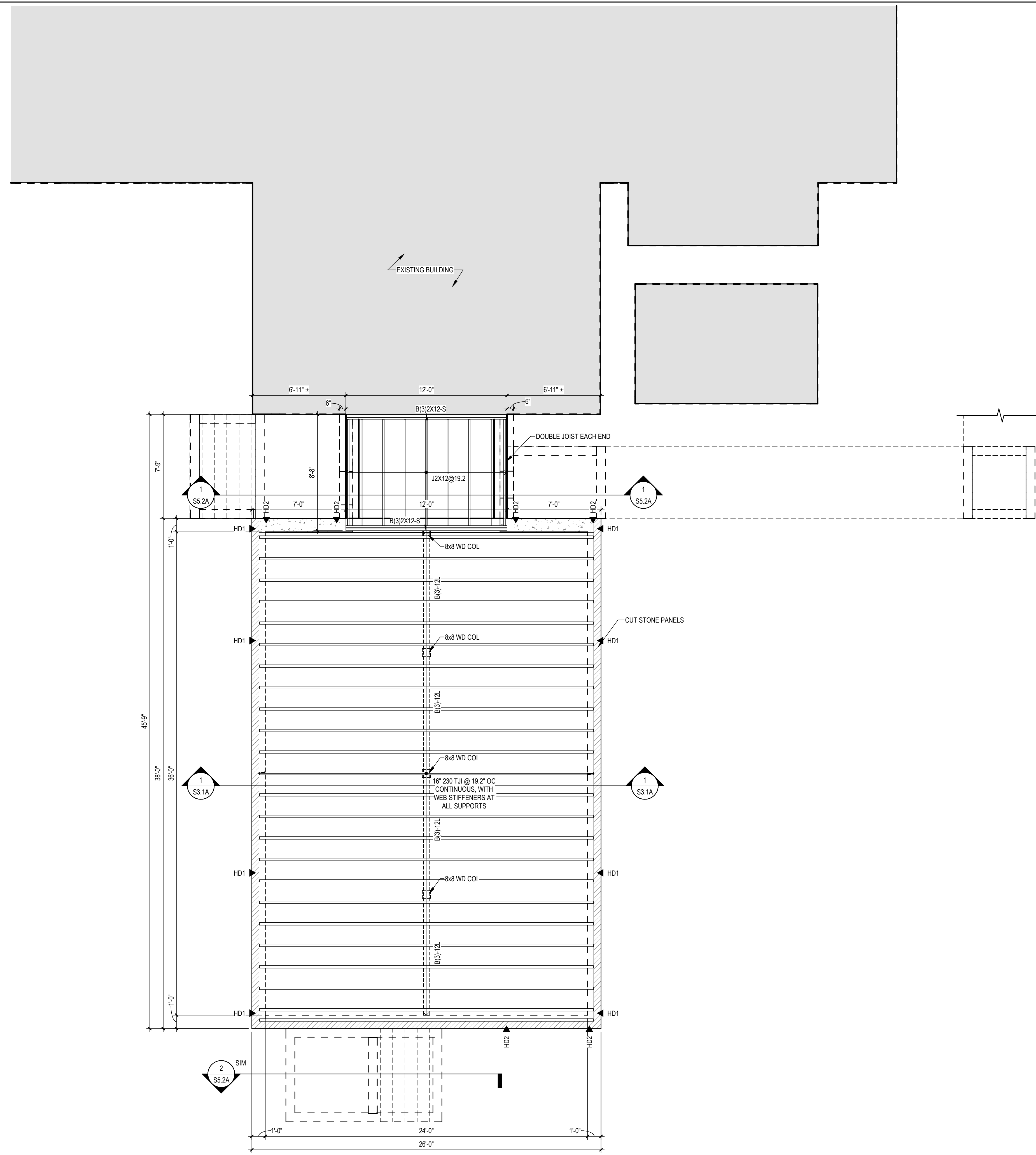
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**MAIN LEVEL FLOOR
FRAMING PLAN**

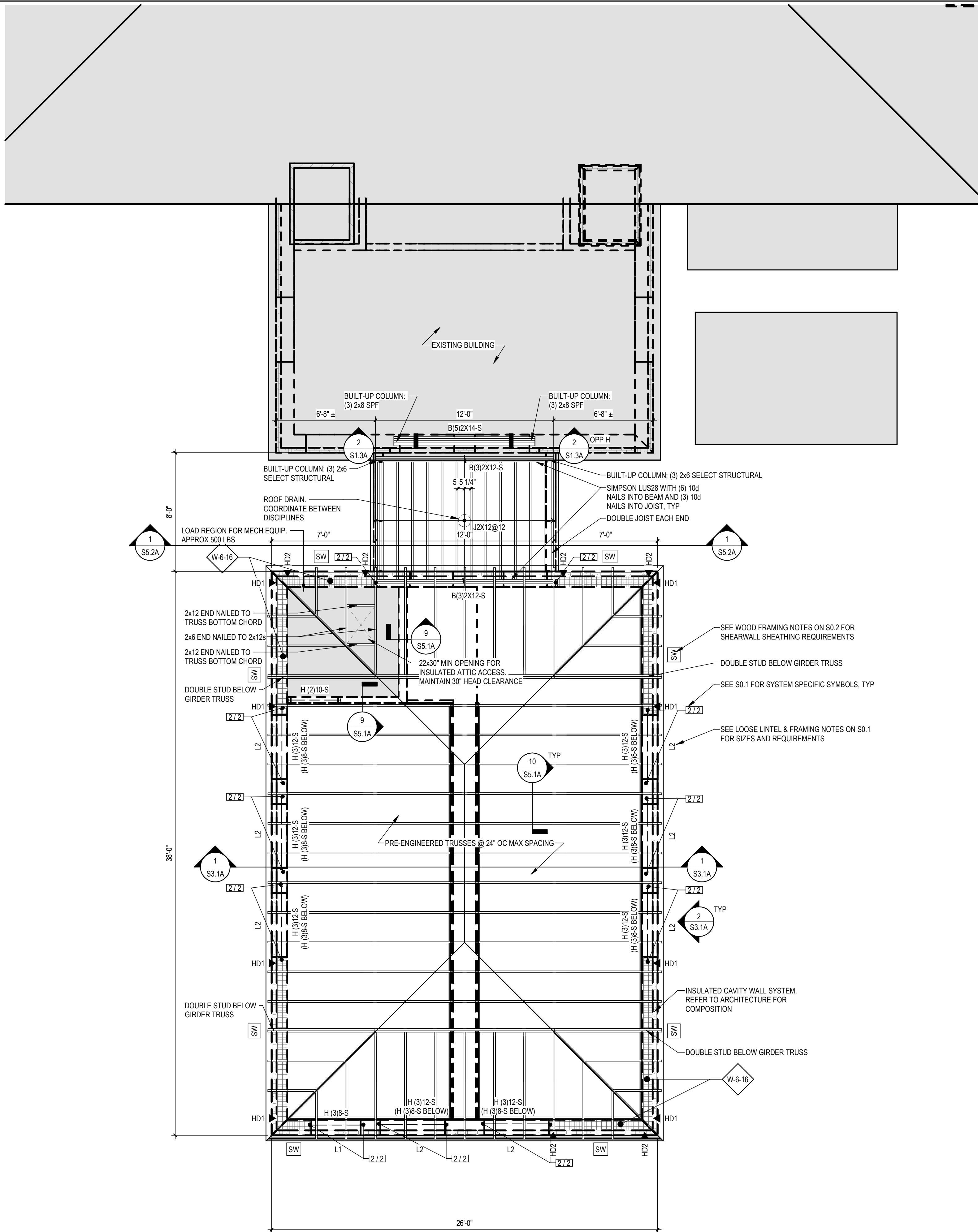
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S1.2A



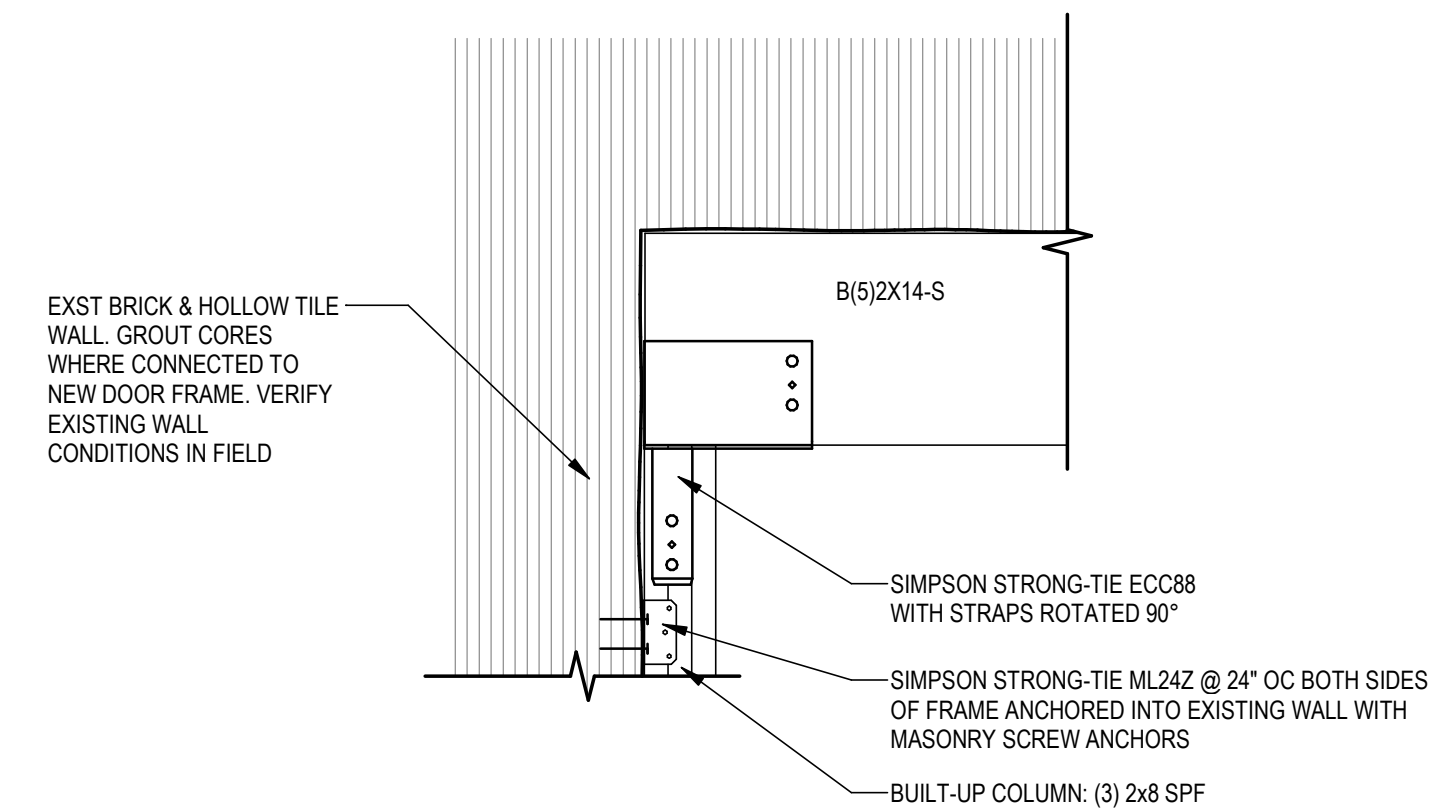
1 MAIN LEVEL FLOOR FRAMING PLAN
1/4" = 1'-0"

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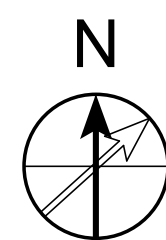


GENERAL NOTES - FRAMING

1. HOLD DOWNS
 - A. HD1: SIMPSON STRONG-TIE HD3B INSTALLED PER MANUFACTURER. SEE DETAIL 4/S3.1
 - B. HD2: SIMPSON STRONG-TIE 5/8" DIA SIMPSON STRONG ROD ATS SYSTEM. SEE DETAIL 5/S3.1



2 COLUMN TO BEAM
1" = 1'-0"



1 ROOF FRAMING PLAN
1/4" = 1'-0"



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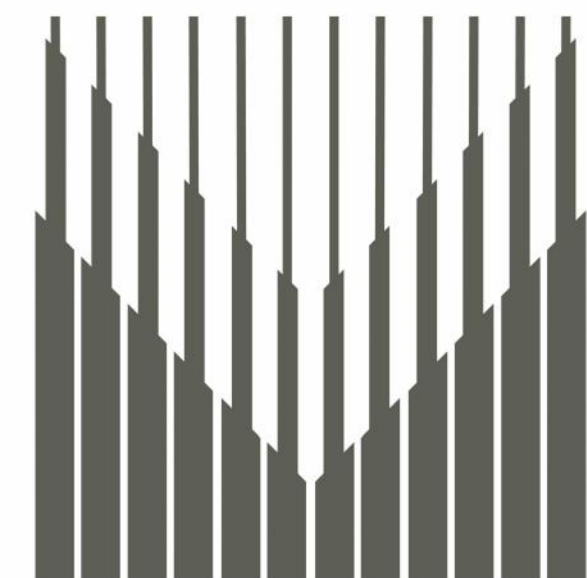
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ROOF FRAMING PLAN

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S1.3A



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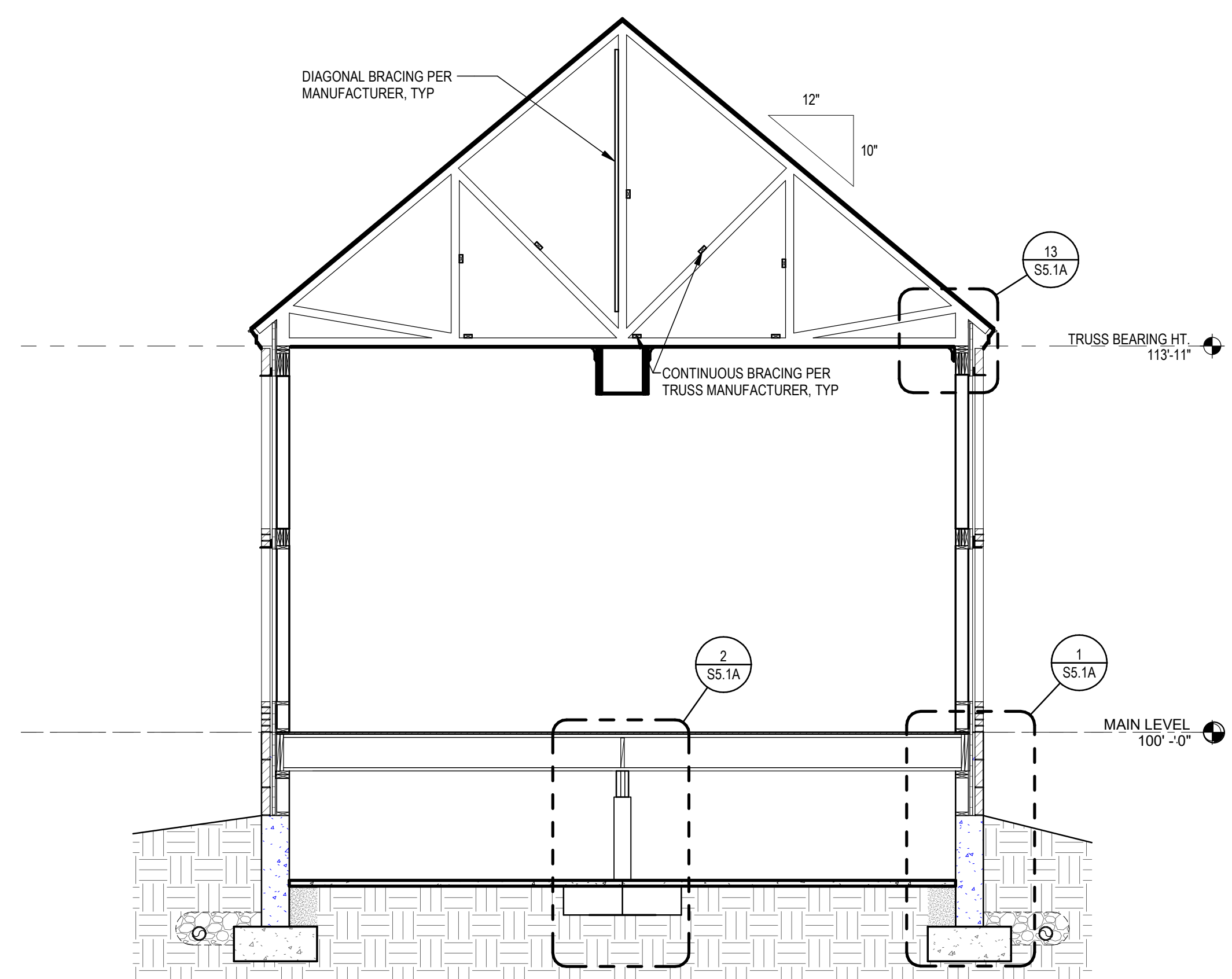
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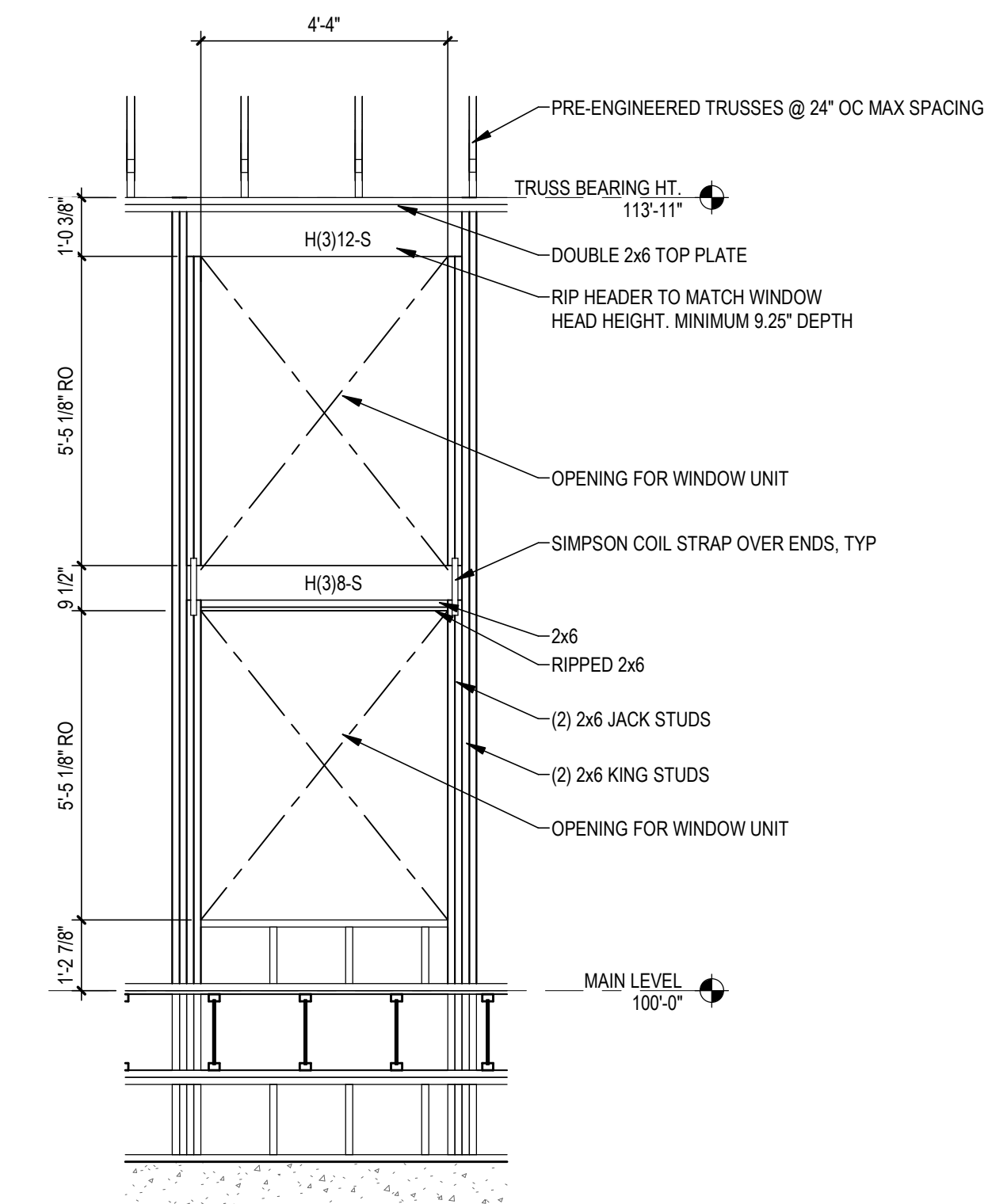
STRUCTURAL SECTIONS & ELEVATIONS

PROJECT NUMBER	24-022
DATE	09-17-2024
DRAWN BY	AMA
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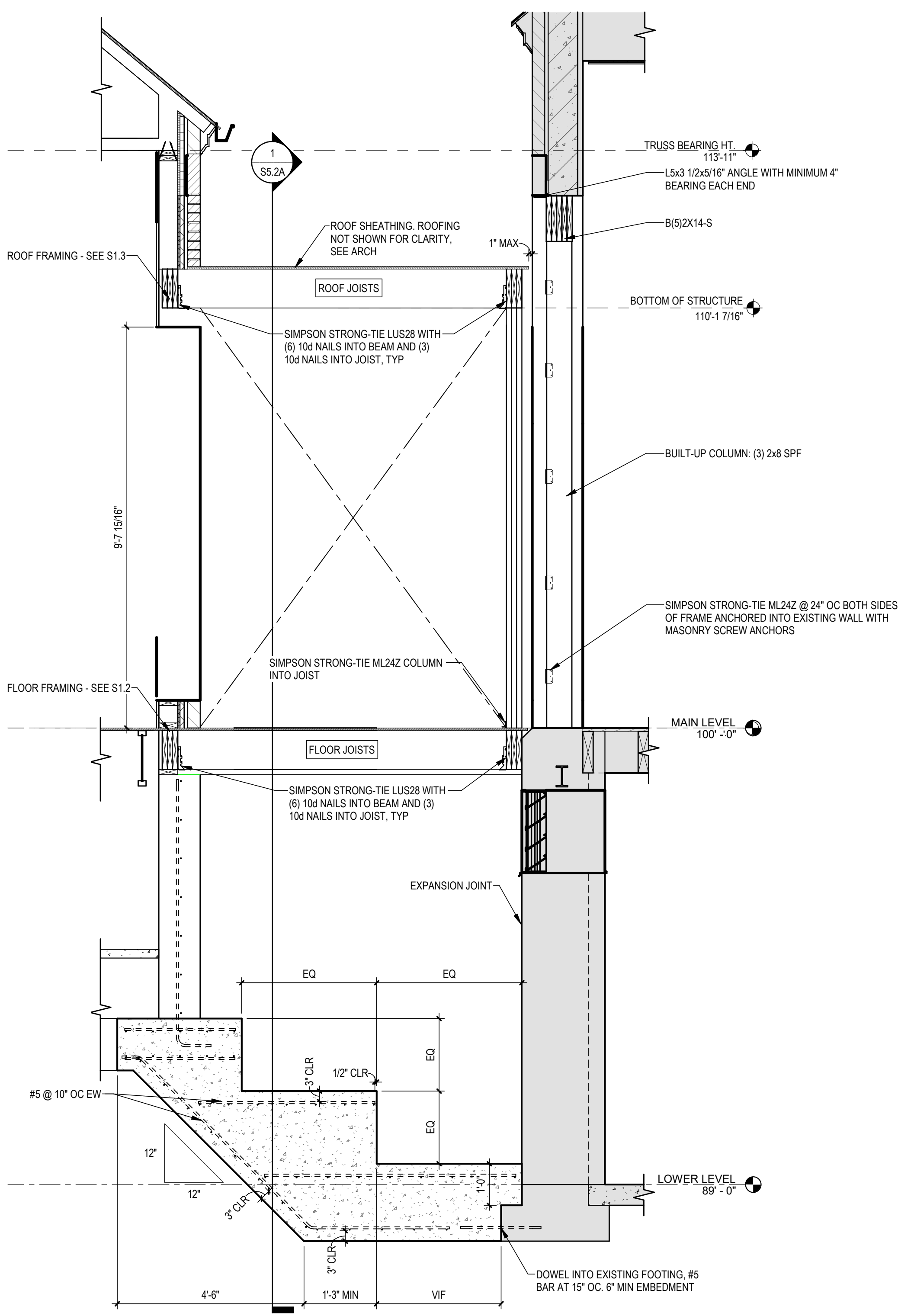
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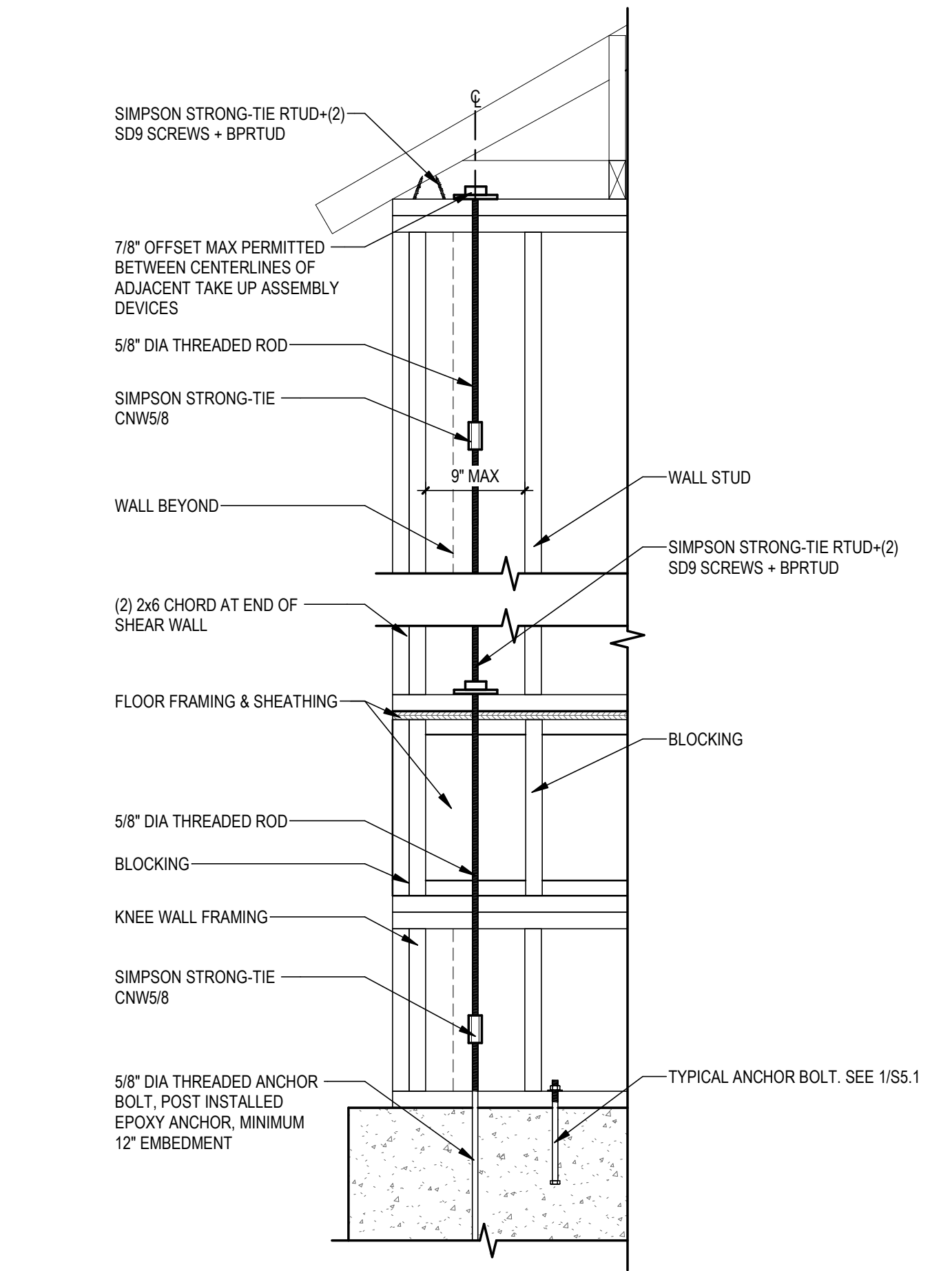
1 BUILDING SECTION LOOKING NORTH
1/4" = 1'-0"



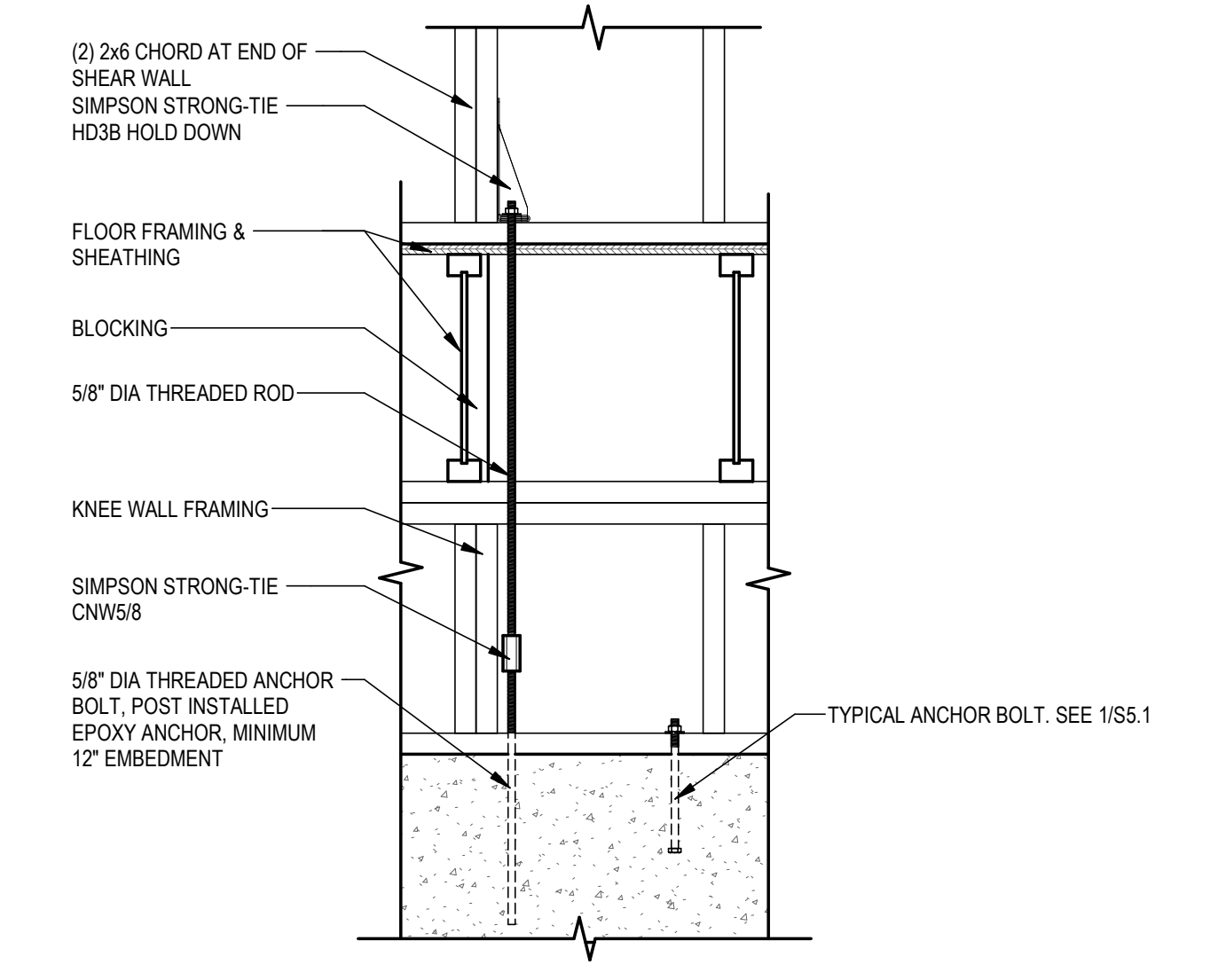
2 TYPICAL WINDOW FRAMING ELEVATION
3/8" = 1'-0"



3 BREEZEWAY FRAMING
1/2" = 1'-0"

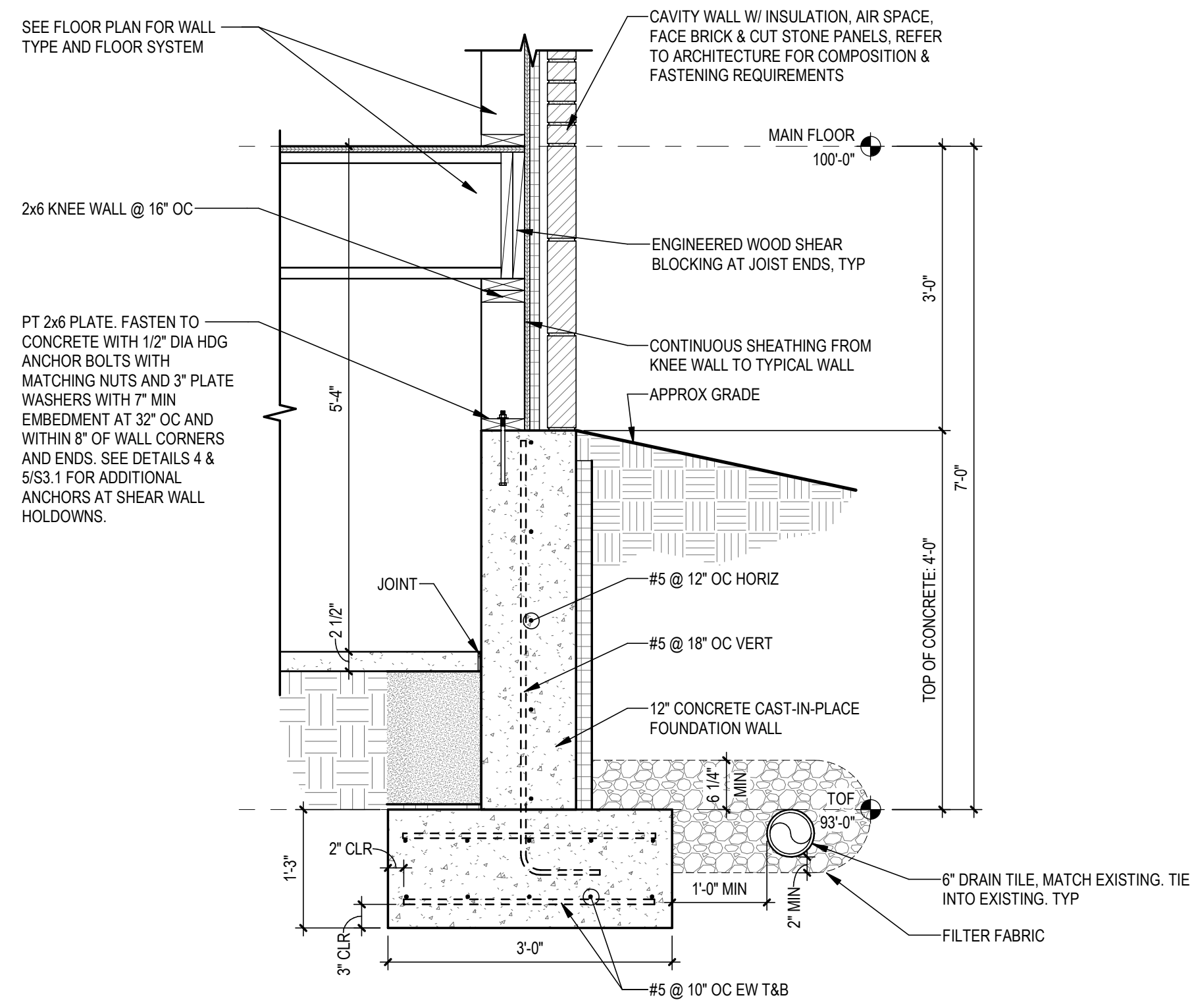


5 HD2 FRAMING ELEVATION
1" = 1'-0"

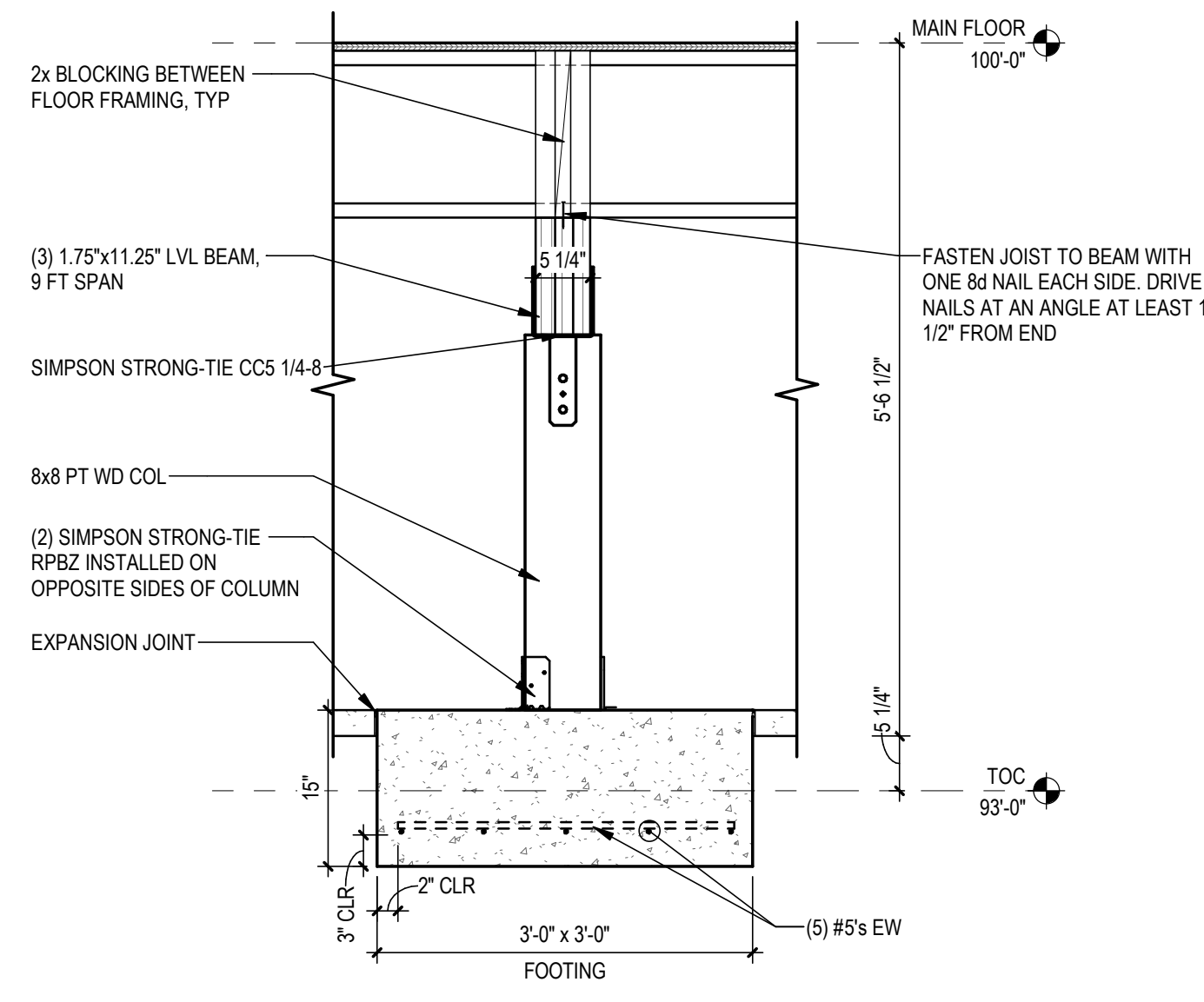


4 HD1 FRAMING ELEVATION
1" = 1'-0"

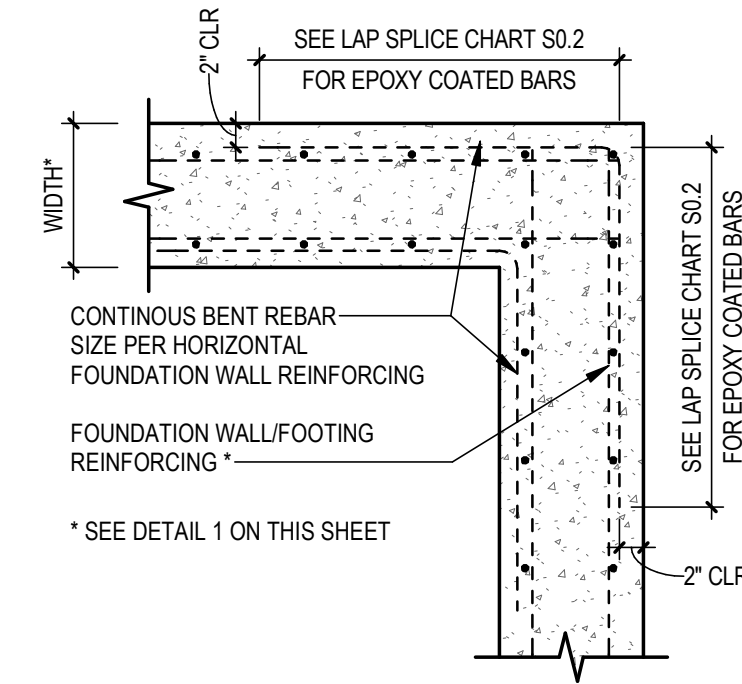
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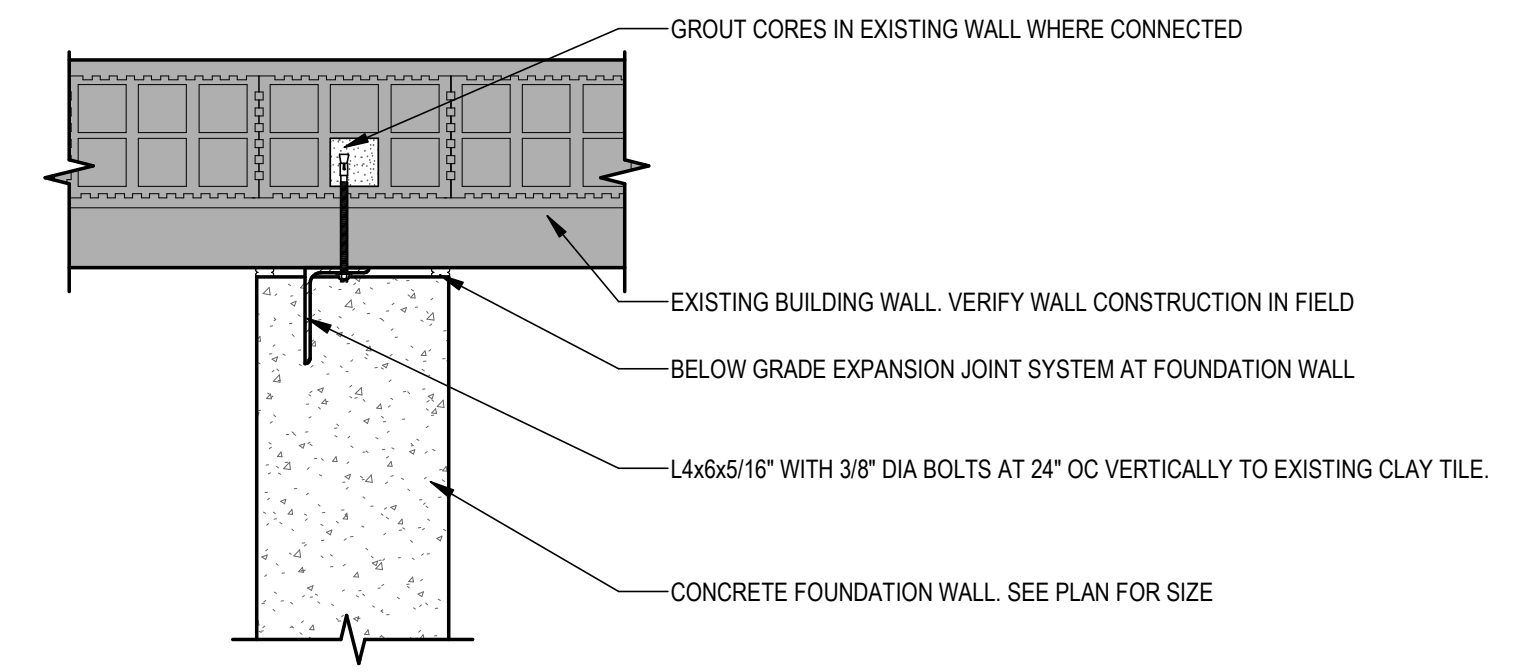
1 FOUNDATION DETAIL @ EXTERIOR WALL
3/4" = 1'-0"



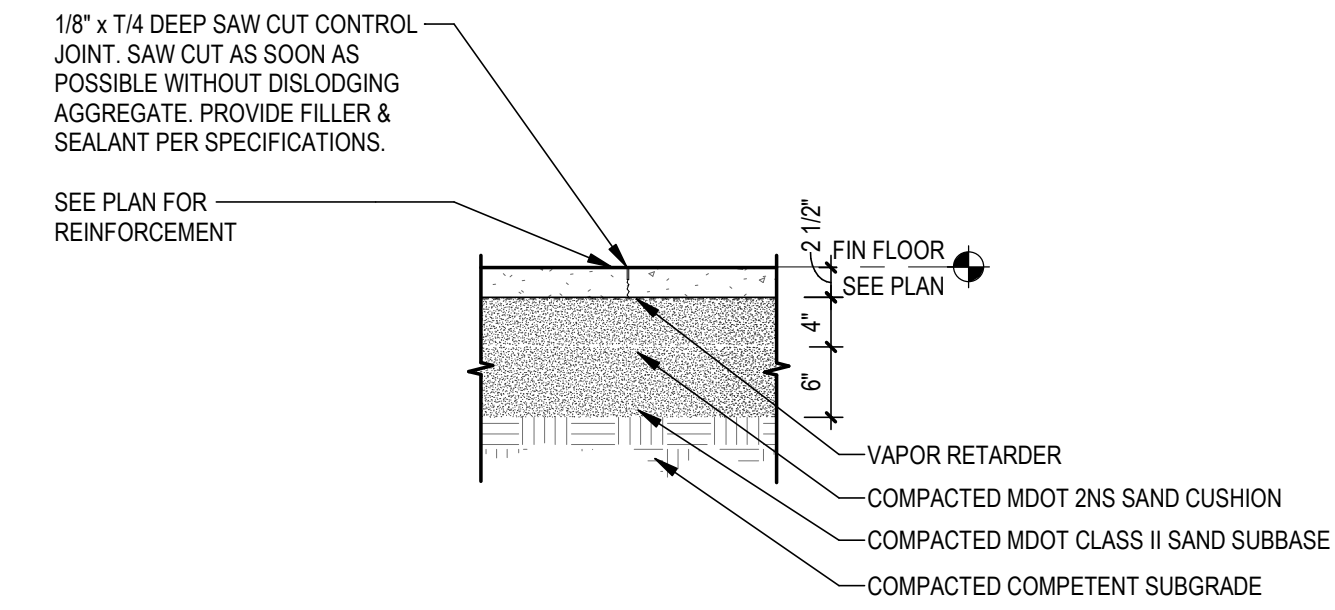
2 TYP PIER FOOTING
3/4" = 1'-0"



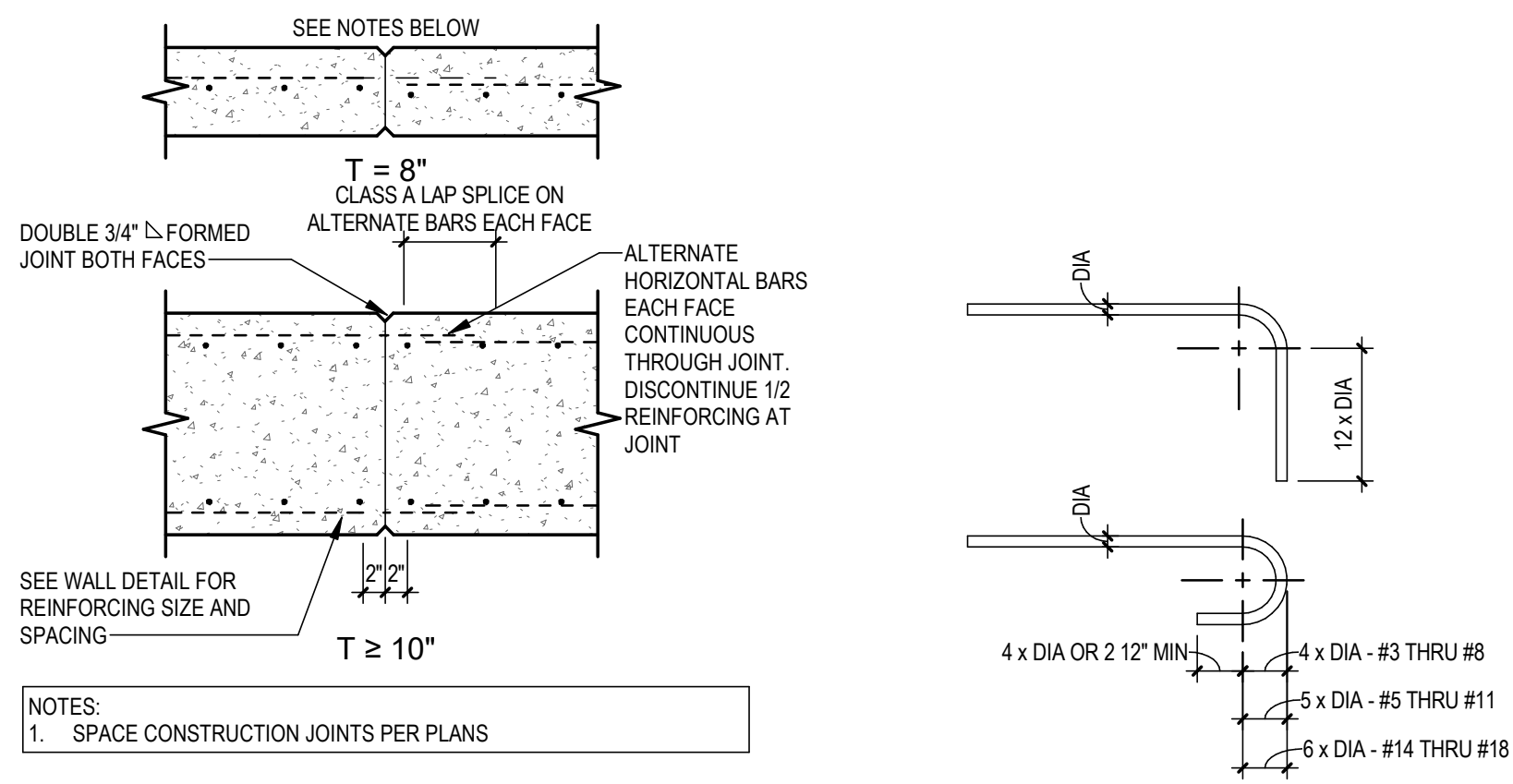
3 TYP CORNER REINFORCING
3/4" = 1'-0"



4A EXISTING WALL TO NEW
1" = 1'-0"

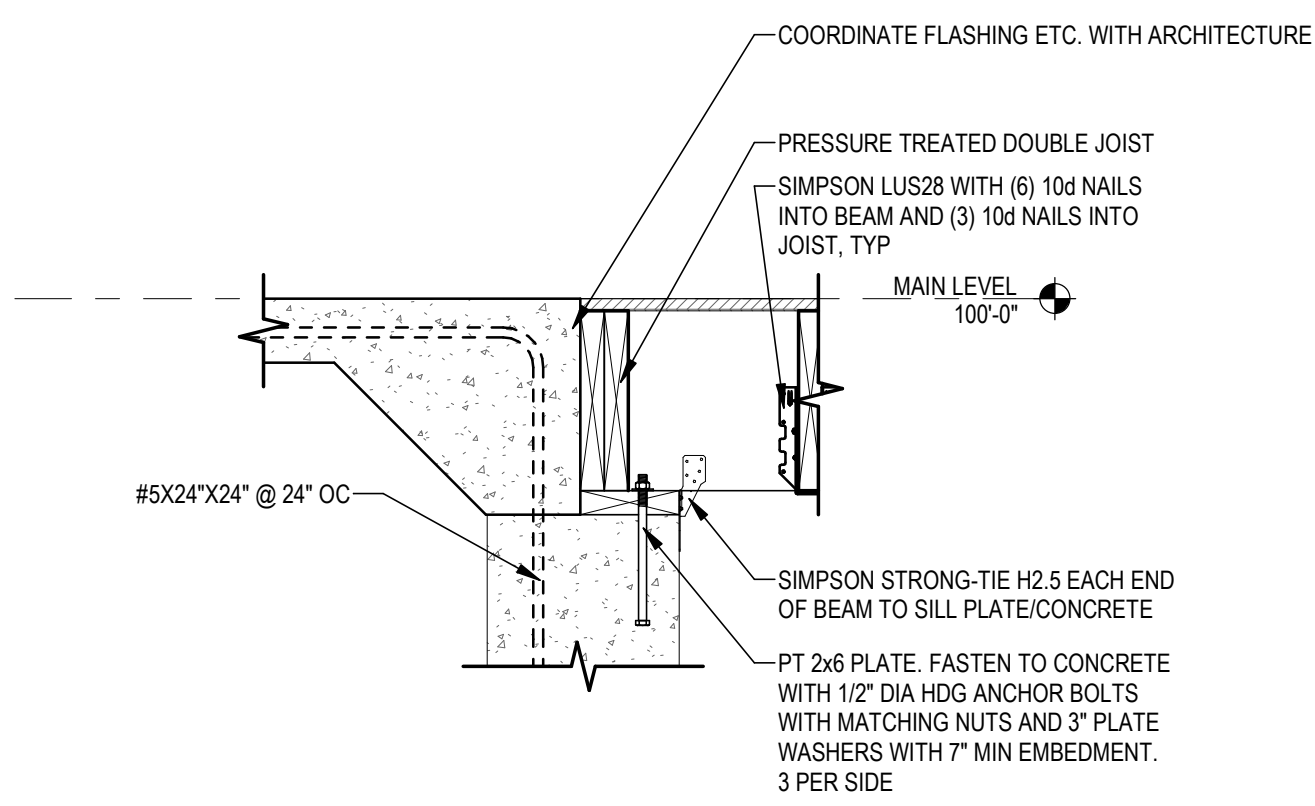


4 TYP SLAB-ON-GRADE SAW-CUT JOINT
3/4" = 1'-0"

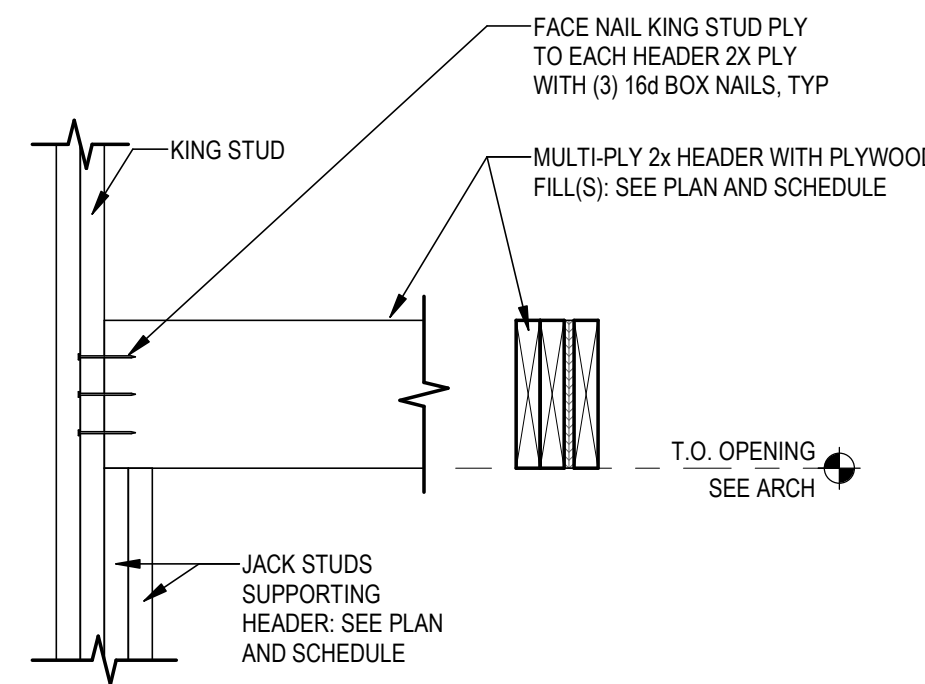


5 TYPICAL CONCRETE WALL CONSTRUCTION JOINT
3/4" = 1'-0"

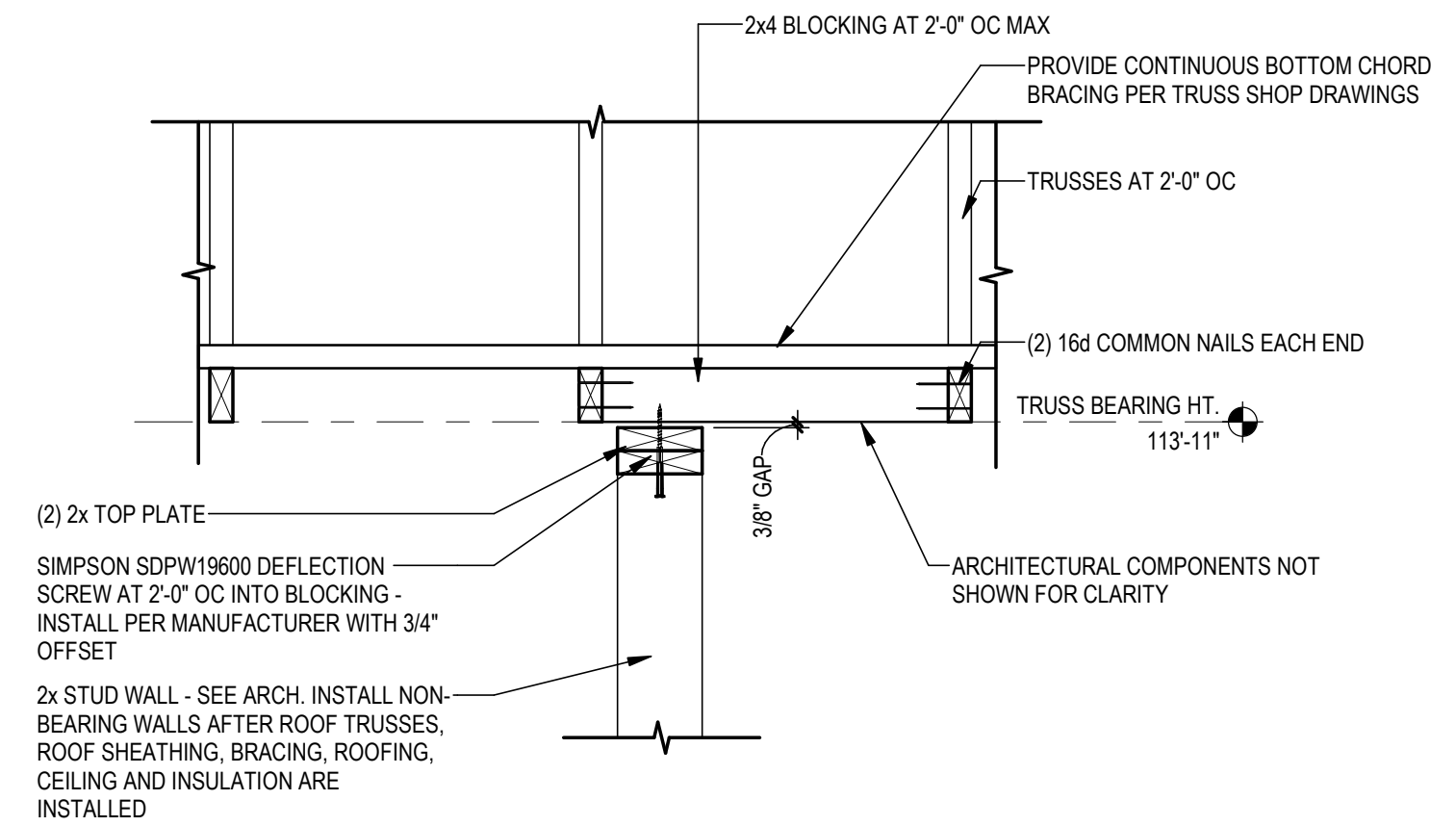
6 TYP REBAR HOOK RADIUS
3/4" = 1'-0"



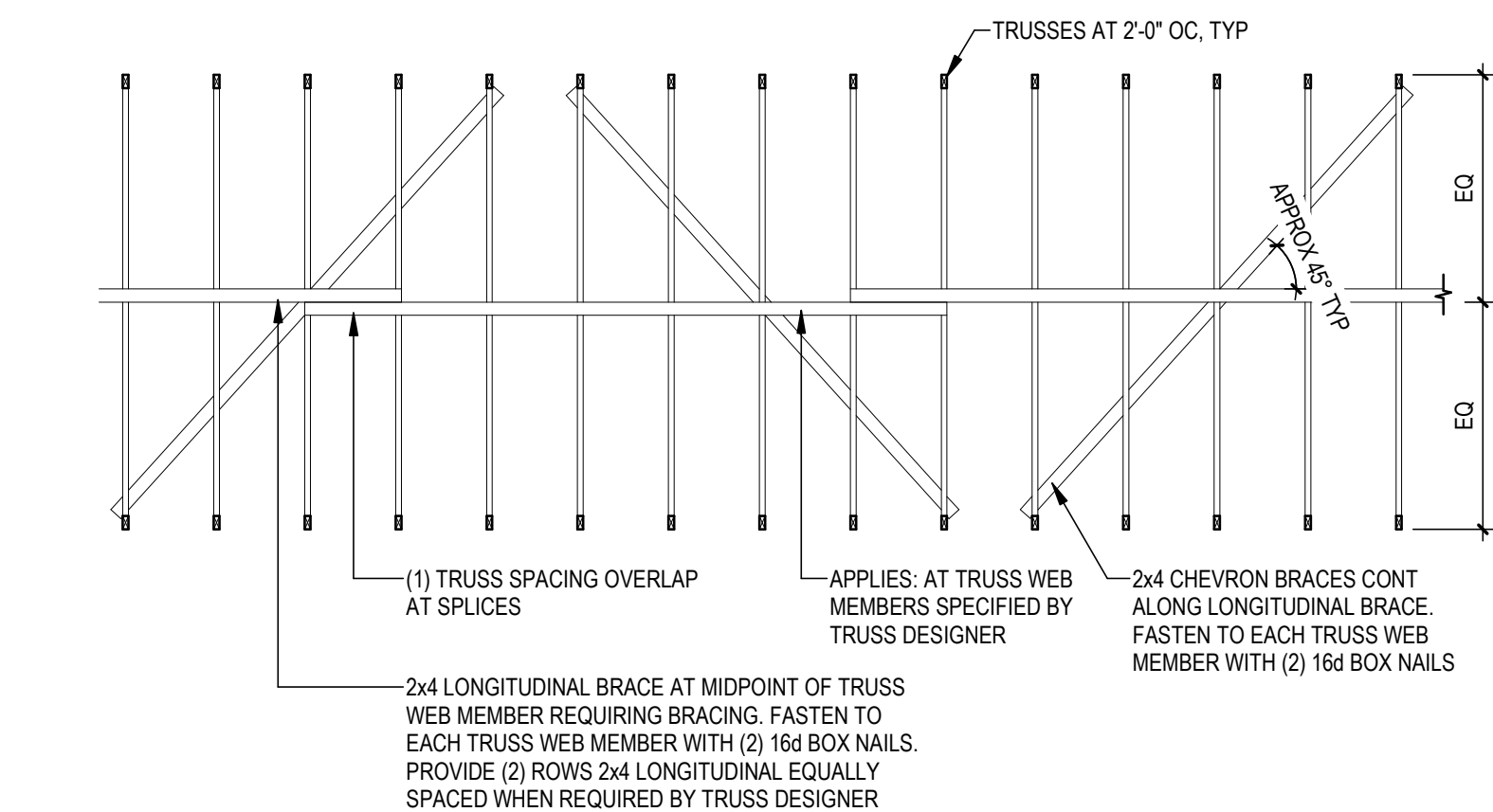
7 BREEZEWAY FLOOR CONNECTIONS
1" = 1'-0"



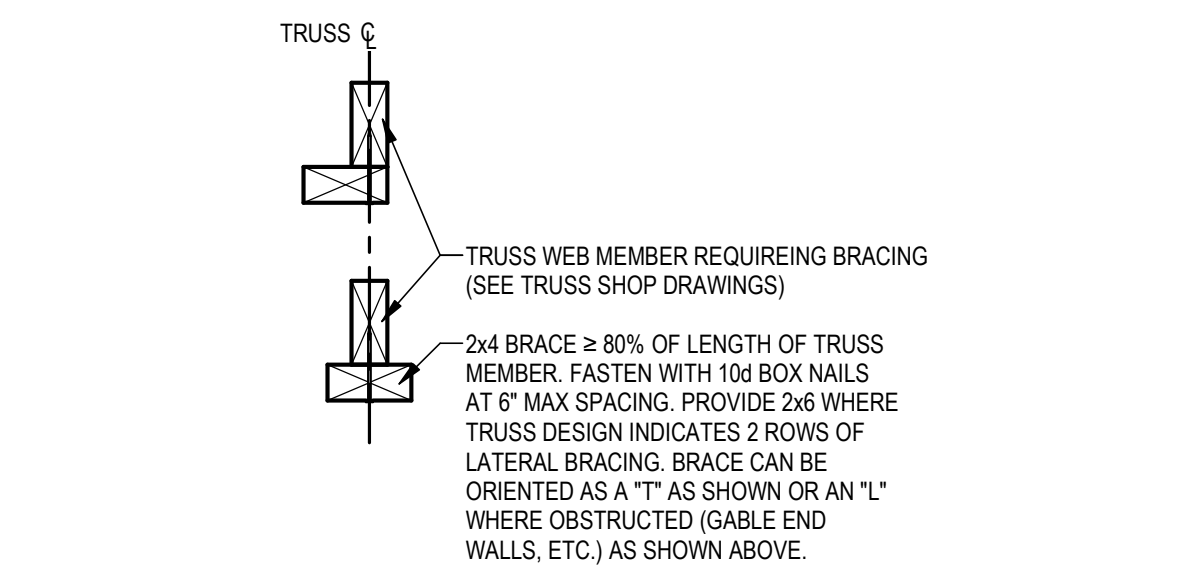
8 TYPICAL HEADER DETAIL
1" = 1'-0"



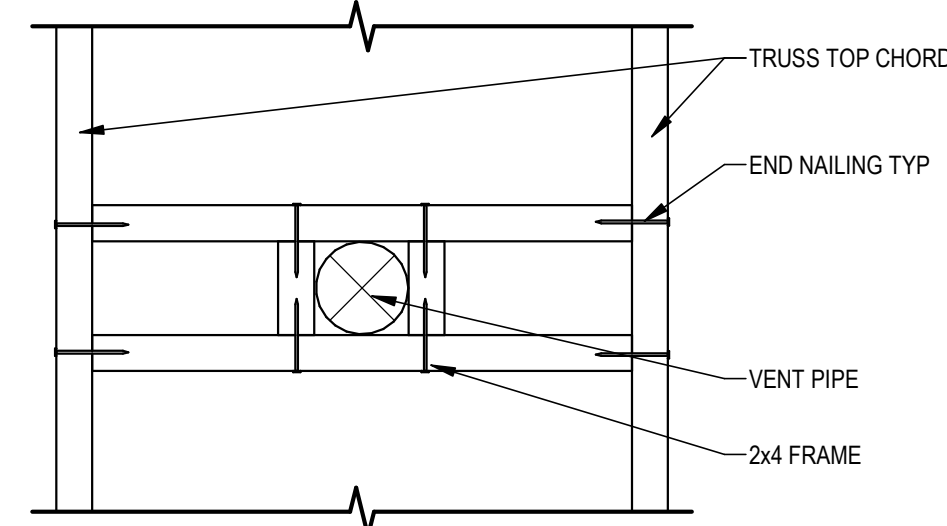
9 NON-BEARING WALL TO TRUSS DETAIL (PARALLEL)
1" = 1'-0"



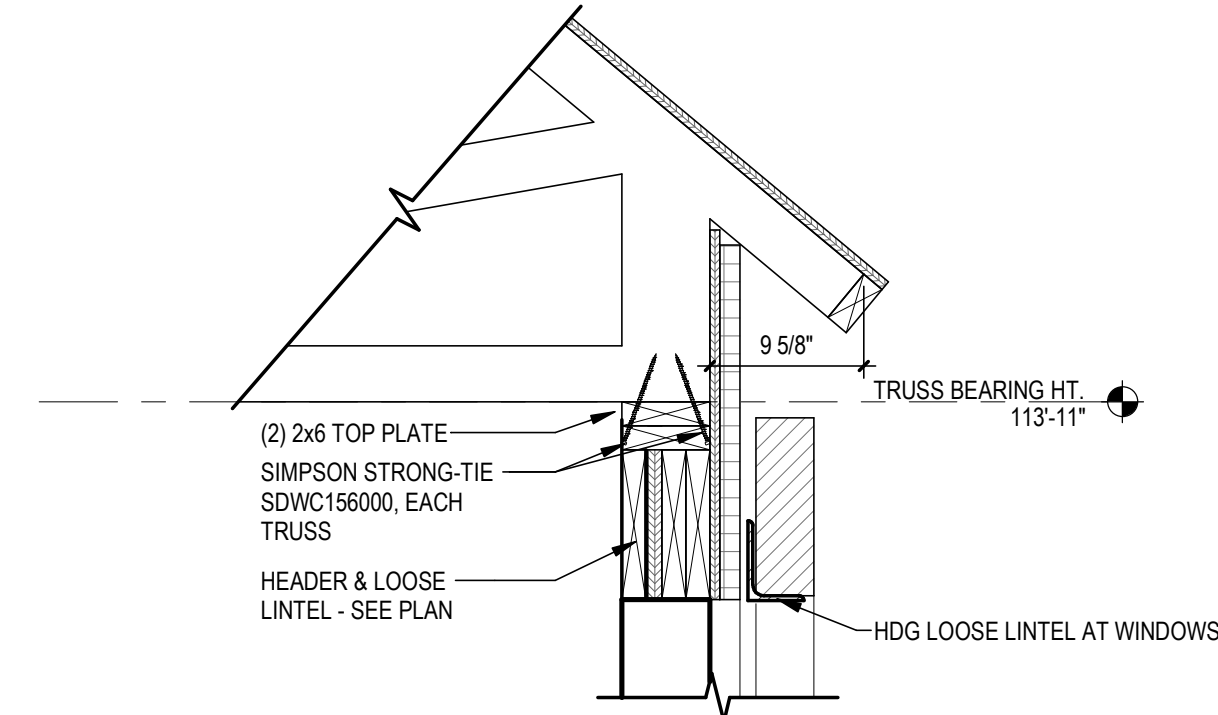
10 TYPICAL TRUSS WEB MEMBER LATERAL BRACING
1/4" = 1'-0"



11 TYPICAL ALTERNATE TRUSS WEB MEMBER LATERAL STABILITY BRACING
1 1/2" = 1'-0"



12 ROOF PENETRATION SLIDING SNOW SUPPORT
1 1/2" = 1'-0"



13 TYPICAL EAVE DETAIL
1" = 1'-0"



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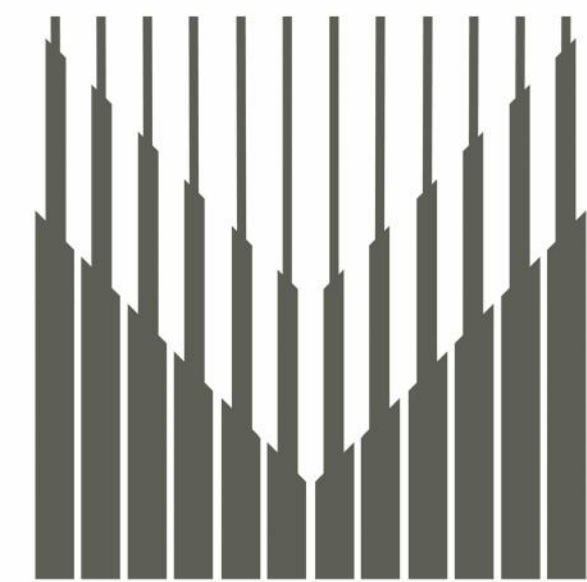
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STRUCTURAL DETAILS

PROJECT NUMBER 24-022
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S5.1A



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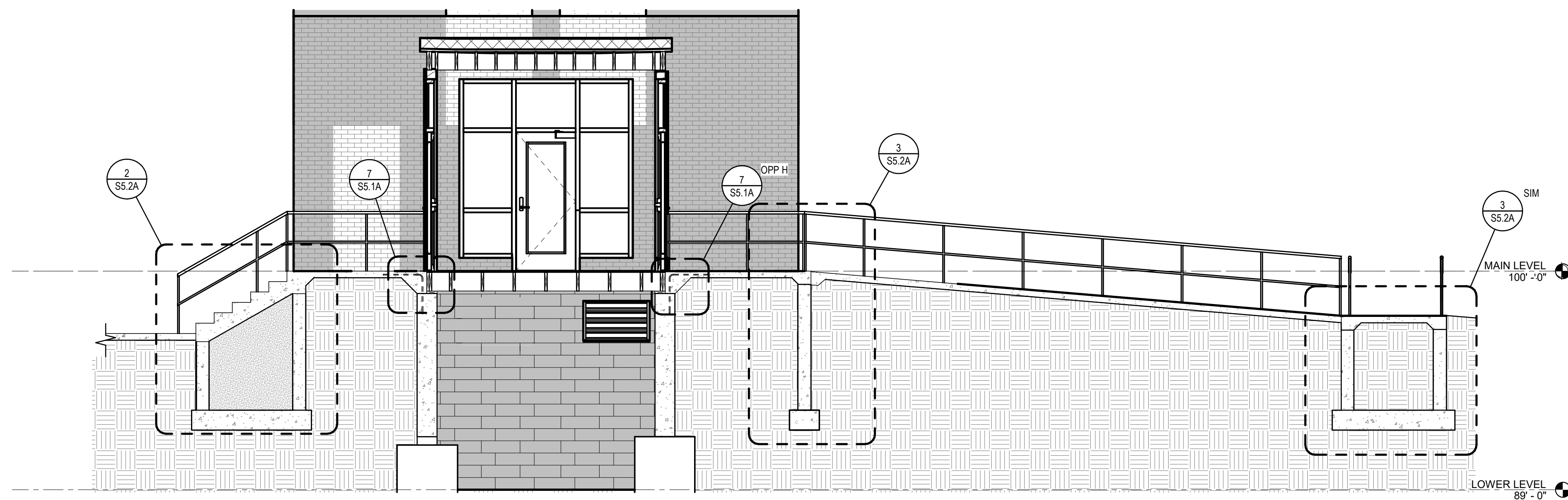
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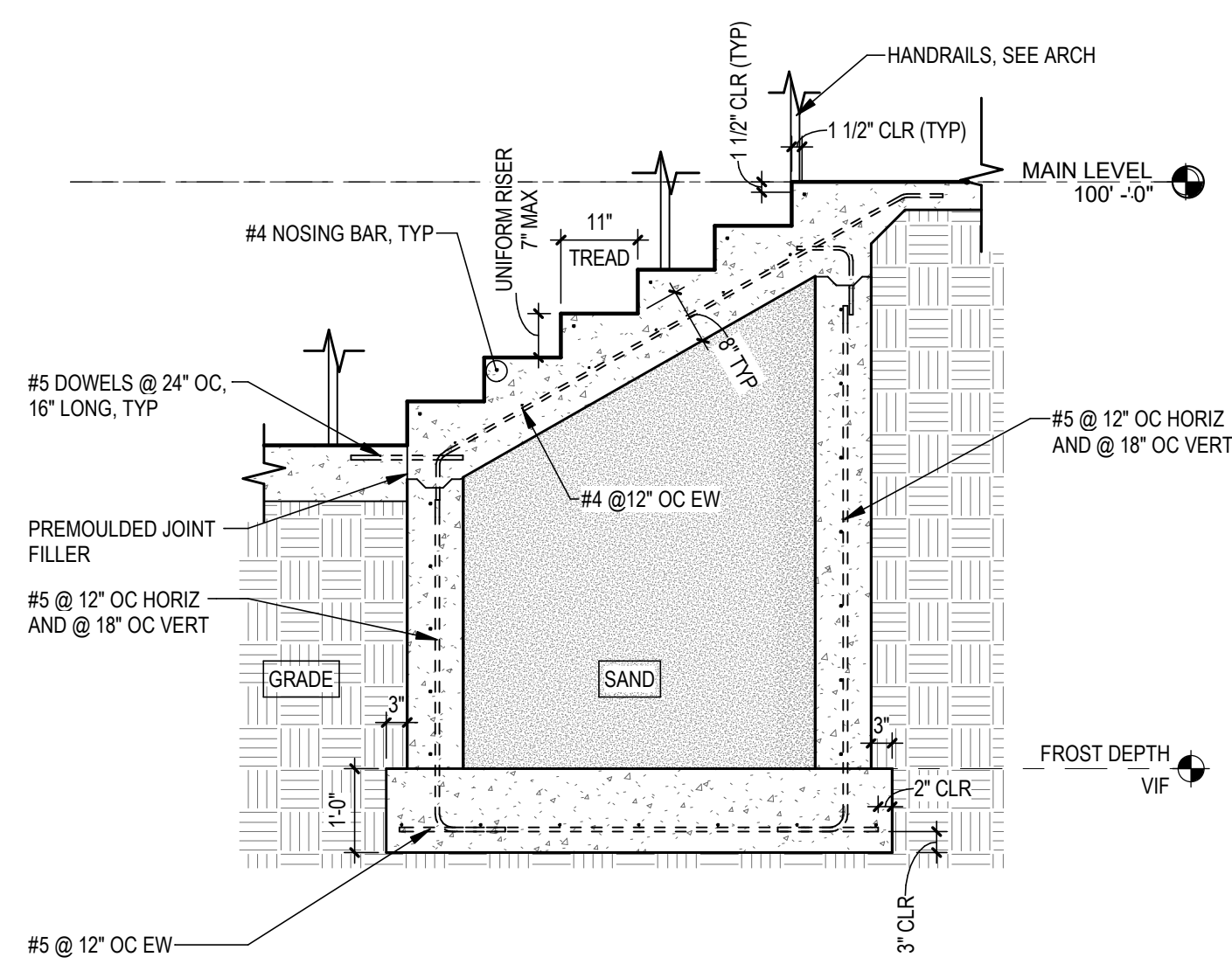
EXTERIOR CONCRETE DETAILS

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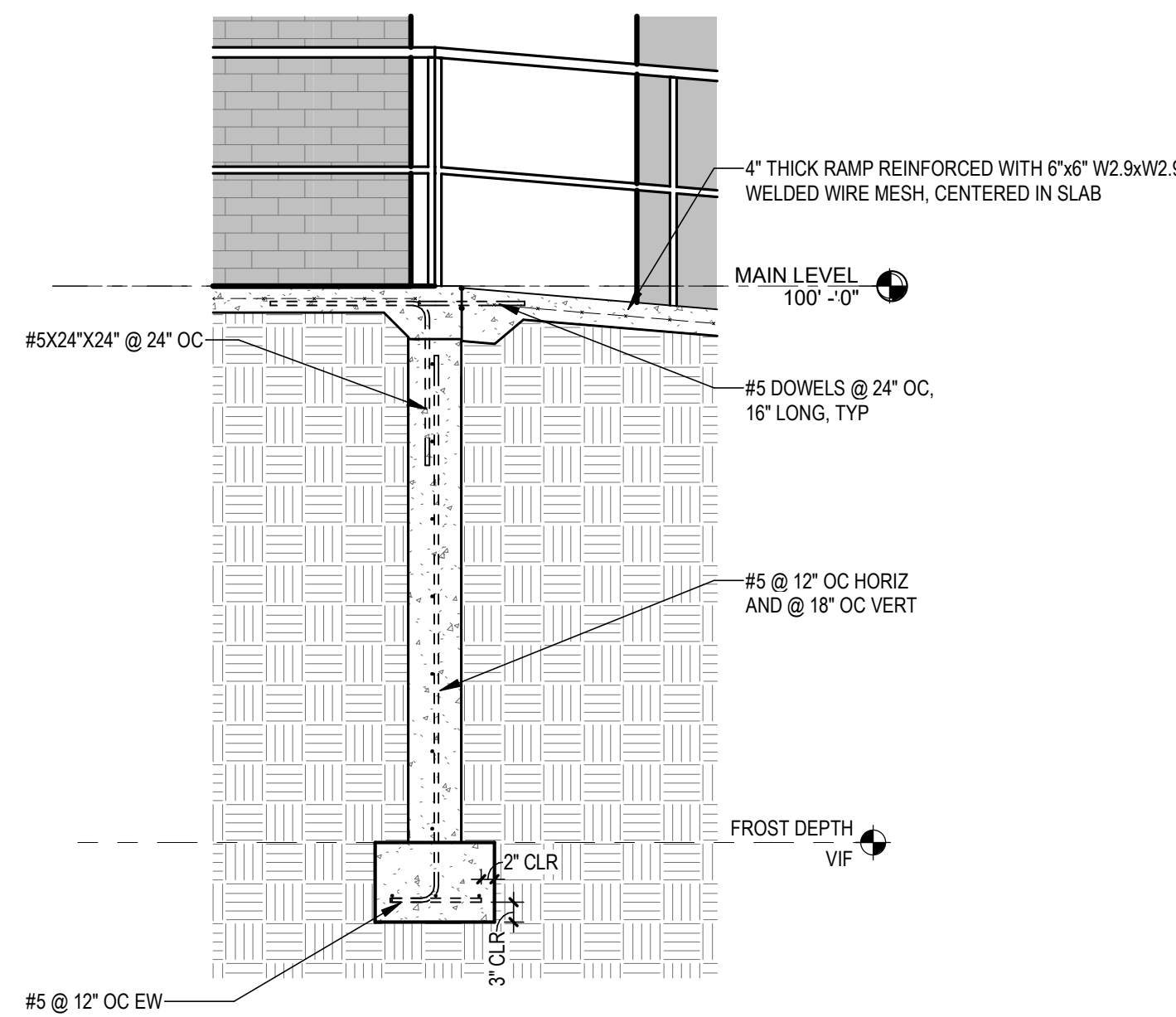
S5.2A



1 SECTION THROUGH BREEZEWAY
1/4" = 1'-0"



2 SECTION THROUGH BREEZEWAY - STAIR
1/2" = 1'-0"



3 SECTION THROUGH BREEZEWAY - RAMP
1/2" = 1'-0"