

METRO ROOF REPLACEMENT

CENTRAL COUNTY TRANSPORTATION AUTHORITY Kalamazoo, Michigan CONSTRUCTION DOCUMENTS

DESIGN TEAM

ARCHITECT/ENGINEER

TowerPinkster
Architecture · Engineering · Interiors

242 E. KALAMAZOO AVE, SUITE 100
KALAMAZOO, MICHIGAN 49007
PHONE: 269.343.6133
FAX: 269.343.6633

REFERENCED CODES

BUILDING: 2015 MICHIGAN BUILDING CODE AND 2012 NFPA 101 LIFE SAFETY CODE
ENERGY: 2015 MICHIGAN ENERGY CODE
PLUMBING: 2018 MICHIGAN PLUMBING CODE
MECHANICAL: 2015 MICHIGAN MECHANICAL CODE
FUEL GAS: (IFGC) 2015 INTERNATIONAL FUEL GAS CODE
ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE WITH MICHIGAN AMENDMENTS
BARRIER-FREE: 2015 MICHIGAN BUILDING CODE AND 2009 ICC & C A117.1

PROJECT AREA

TOTAL EXISTING ROOF AREA: 80,938 SQ. FT.
ROOF REPLACEMENT AREA: 10,414 SQ. FT.

DRAWING INDEX

GENERAL

G 001 COVER SHEET

ARCHITECTURAL DEMOLITION

AD 102 OVERALL ROOF DEMOLITION PLAN

ARCHITECTURAL

A 102 OVERALL ROOF PLAN

A 321 WALL SECTIONS AND DETAILS

SITE ADDRESS

CCTA
530 N ROSE ST.
KALAMAZOO, MI 49007

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ISSUED FOR DATE

PROJECT TITLE
METRO ROOF REPLACEMENT

OWNER
CENTRAL COUNTY TRANSPORTATION
AUTHORITY

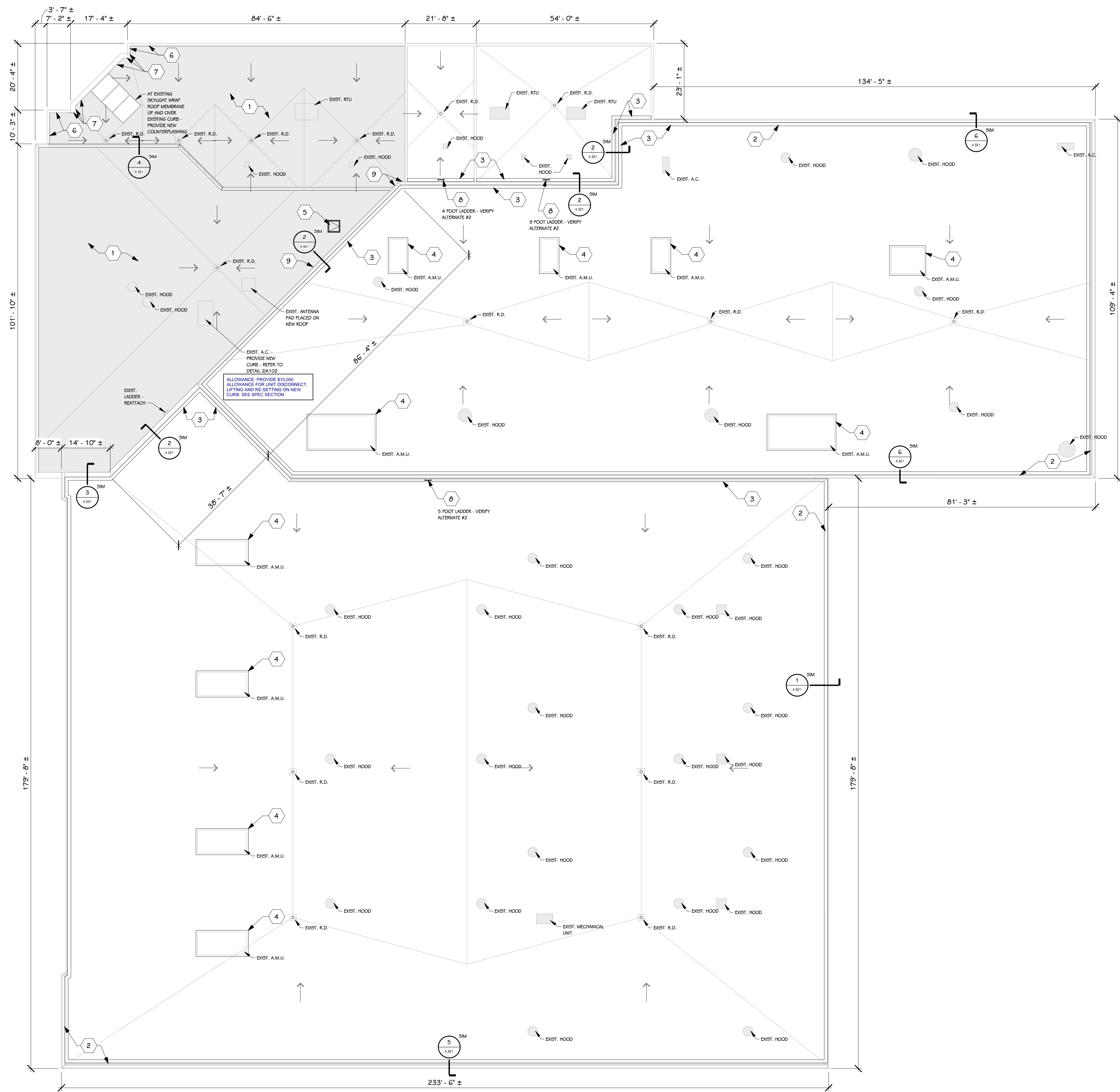
Kalamazoo, Michigan

DATE
JANUARY 26, 2024

SHEET TITLE
COVER SHEET

SHEET NUMBER
G 001
23-176.000

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GENERAL NOTES - ARCHITECTURAL - NEW CONSTRUCTION

- 1 THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEM FROM THE PROJECT PRIOR TO COMMENCEMENT OF CONTRACTED DEMOLITION WORK.
- 2 ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED BEFORE WORK BEGINS.
- 3 DIMENSIONS GIVEN ARE ACTUAL AND ARE TO THE FACE OF MASONRY UNITS OR TO THE FACE OF STUD FRAMING, UNLESS NOTED OTHERWISE.
- 4 DETAILS SHOWN ILLUSTRATE DESIGN INTENT, NOT ALL POSSIBLE CONDITIONS. FOR CONDITIONS NOT SHOWN, USE DETAILS CLOSEST TO CONDITION IN QUESTION.
- 5 PROVIDE ALL ASSOCIATED CURBS FOR ROOF TOP EQUIPMENT AND MECHANICAL ROOF TOP UNITS - PROVIDE SADDLE TO SHED WATER AWAY FROM UNIT. LARGE VOIDS BELOW THE AIR HANDLING UNITS SHALL BE FILLED WITH INSULATION AS SPECIFIED FOR NOISE CONTROL.
- 6 ALL EXISTING ROOF TOP PENETRATIONS BEING REMOVED REQUIRE ROOF PATCHING TO MATCH EXISTING ADJACENT.
- 7 VERIFY NUMBER OF ROOF PENETRATIONS, ALL ROOF PENETRATIONS AT LOCATIONS OF NEW ROOF ARE TO HAVE NEW ROOF FLASHING OR RUBBER BOOTS - SEE TYPICAL DETAILS

KEYED NOTES - ARCHITECTURAL - ROOF

- 1 EPDM ROOF WITH R-30 RIGID INSULATION. PROVIDE PIPE SUPPORTS AT EXISTING PIPES
- 2 ATTACH ROOF MEMBRANE TO EXISTING ROOF, WRAP UP AND UNDER NEW METAL COPING
- 3 ATTACH ROOF MEMBRANE TO EXISTING ROOF AT BASE OF PARAPET WALL, WRAP ROOF MEMBRANE UP AND OVER PARAPET AND CONNECT BOTH ROOF MEMBRANES
- 4 REWORK ROOF CURB METAL FLASHING TO COVER NEW ROOF MEMBRANE PATCH. INSURE CURBS ARE PROPERLY SEALED AND FLASHED
- 5 ALTERNATE #1: SAFETY RAILING INSTALL NEW INTERIOR LADDER AND ROOF ACCESS HATCH SAFETY CAGE STARTING 3' FROM GROUND (13'-4" FROM FINISHED FLOOR TO TOP OF ROOF - VERIFY) - REFER TO DETAIL 6A321
- 6 ROOF MEMBRANE WRAPPED OVER PARAPET - REINSTALL METAL COPING
- 7 ROOF MEMBRANE WRAPPED BEHIND METAL AND STONE PANELS - PROVIDE PROPER ROOF TERMINATION AND COUNTER FLASHING MODIFY METAL OR STONE PANEL IF REQUIRED
- 8 ALTERNATE #2: GALVANIZED FIXED LADDER WITH WALK THRU - REFER TO DETAIL 7A321
- 9 WRAP ROOF MEMBRANE UP AND OVER PARAPET AND CONNECT BOTH ROOF MEMBRANES

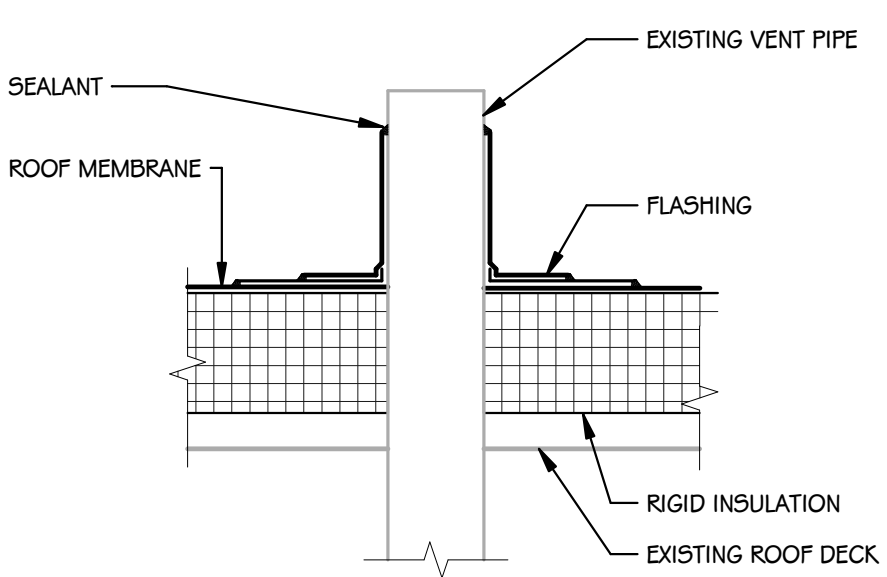
ROOF PLAN KEY

	BLACK EPDM ROOF MEMBRANE ON 5" RIGID INSULATION, MIN. R-30, OVER EXISTING ROOF DECK.
R.D.	ROOF DRAIN
O.D.	OVERFLOW DRAIN
	ROOF SLOPE DUE TO TAPERED INSULATION OR SLOPED STRUCTURE
AHU OR RTU	ROOF TOP UNIT
ACCU	CONDENSING UNIT
E.F.	EXHAUST FAN / HOOD

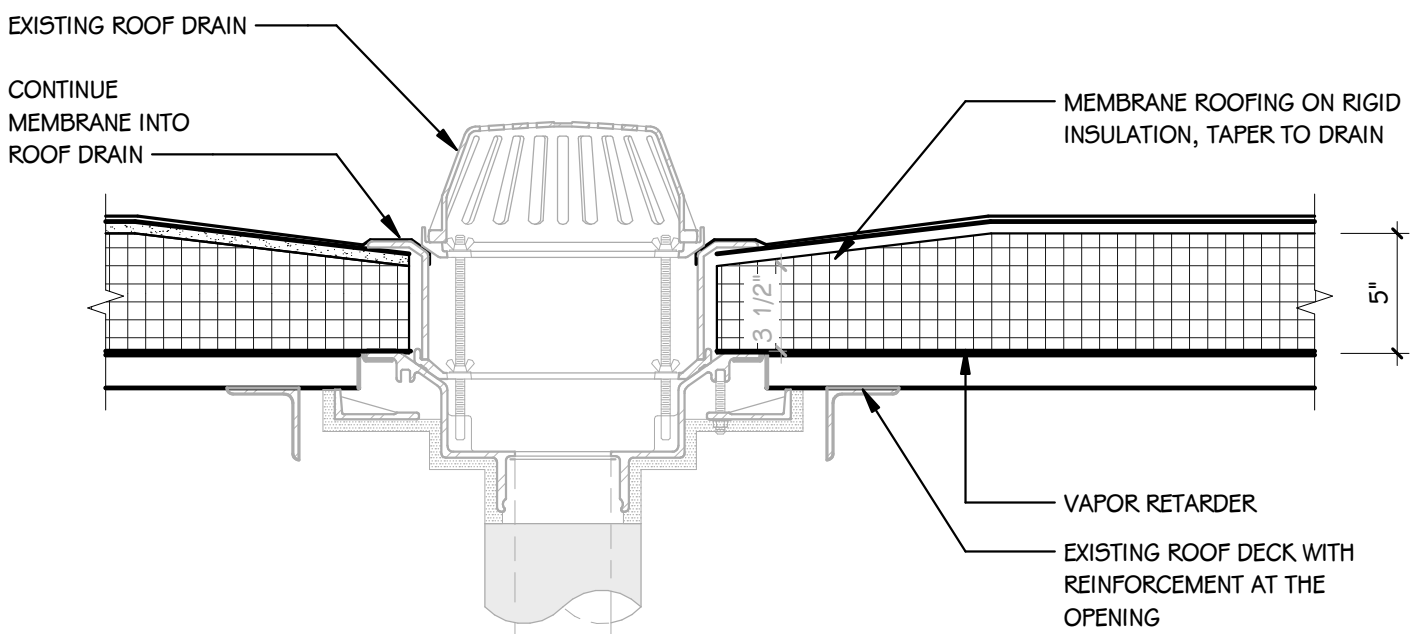
NOTES

1. PROVIDE ROOFING MANUFACTURERS STANDARD ROOFING TERMINATION DETAILS AT ALL PARAPETS, PRE-MANUFACTURED ROOF EDGE SYSTEMS, CURBS, PIPE PENETRATIONS, ETC.
2. PROVIDE CRICKETS AS REQUIRED AT ALL MECHANICAL UNITS, VENTS, ETC. TO MAINTAIN POSITIVE SLOPE OF 1/4"1'-0" MINIMUM

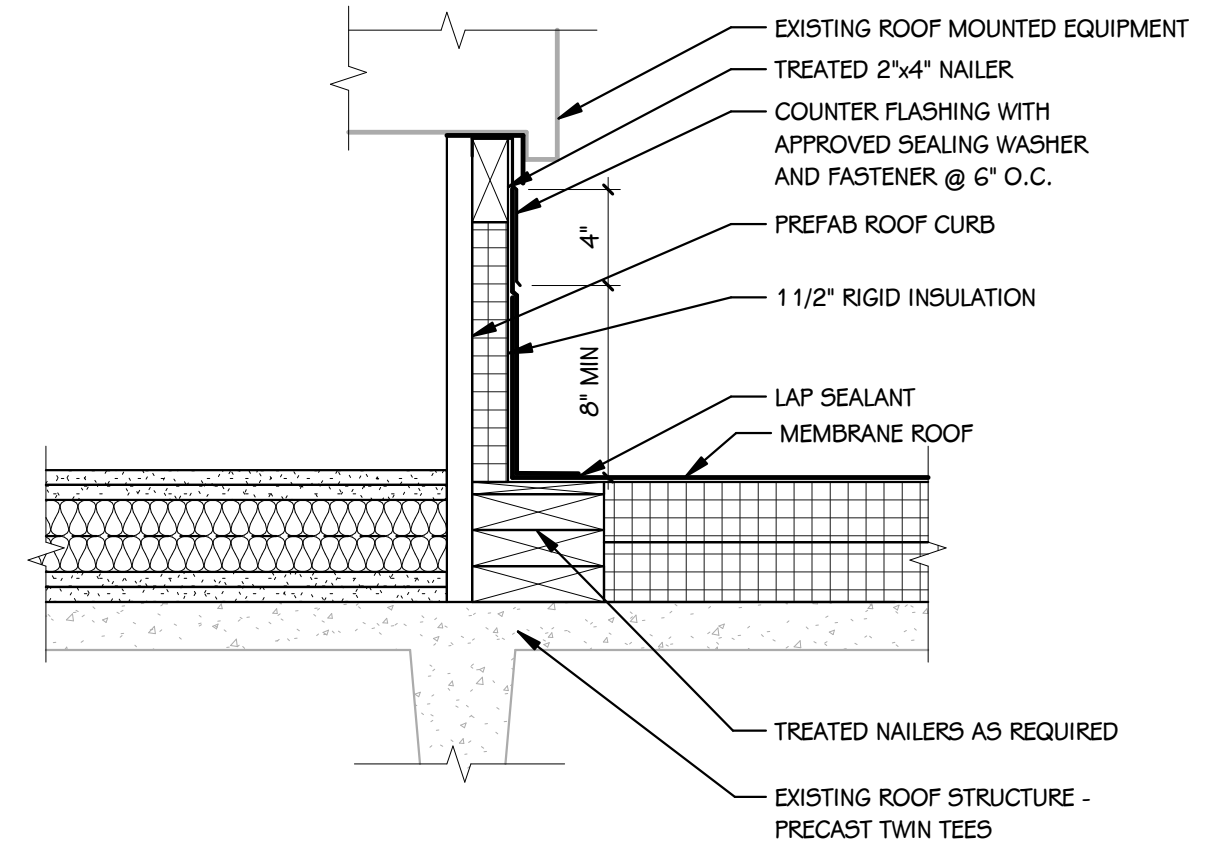
ROOF PLAN
1/16" = 1'-0"



4 TYPICAL ROOF PENETRATION
1/12" = 1'-0"



3 TYPICAL ROOF DRAIN DETAIL
1/12" = 1'-0"



2 TYPICAL ROOF CURB
1/12" = 1'-0"

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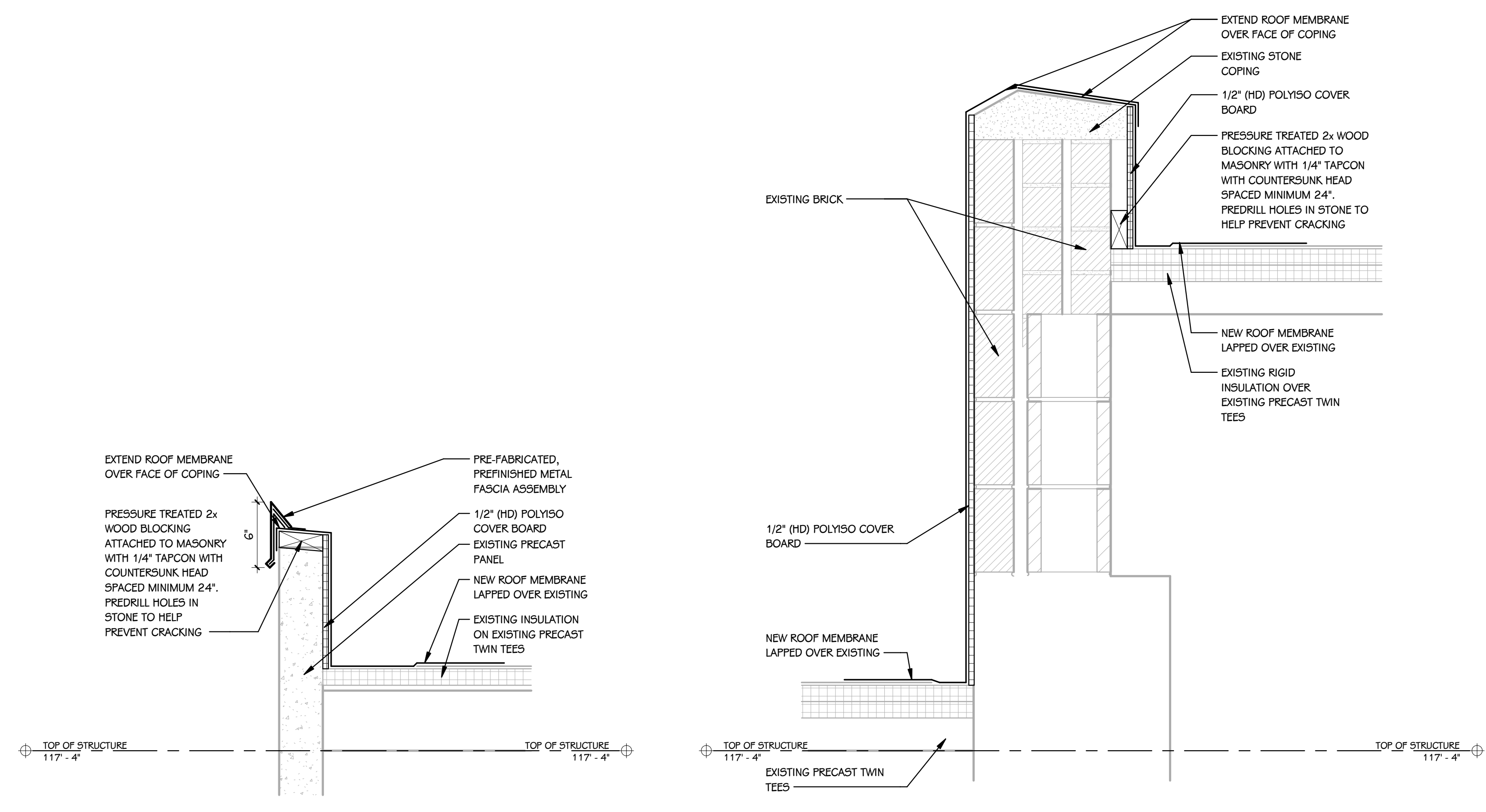
SHEET TITLE
OVERALL ROOF PLAN

Kalamazoo, Michigan

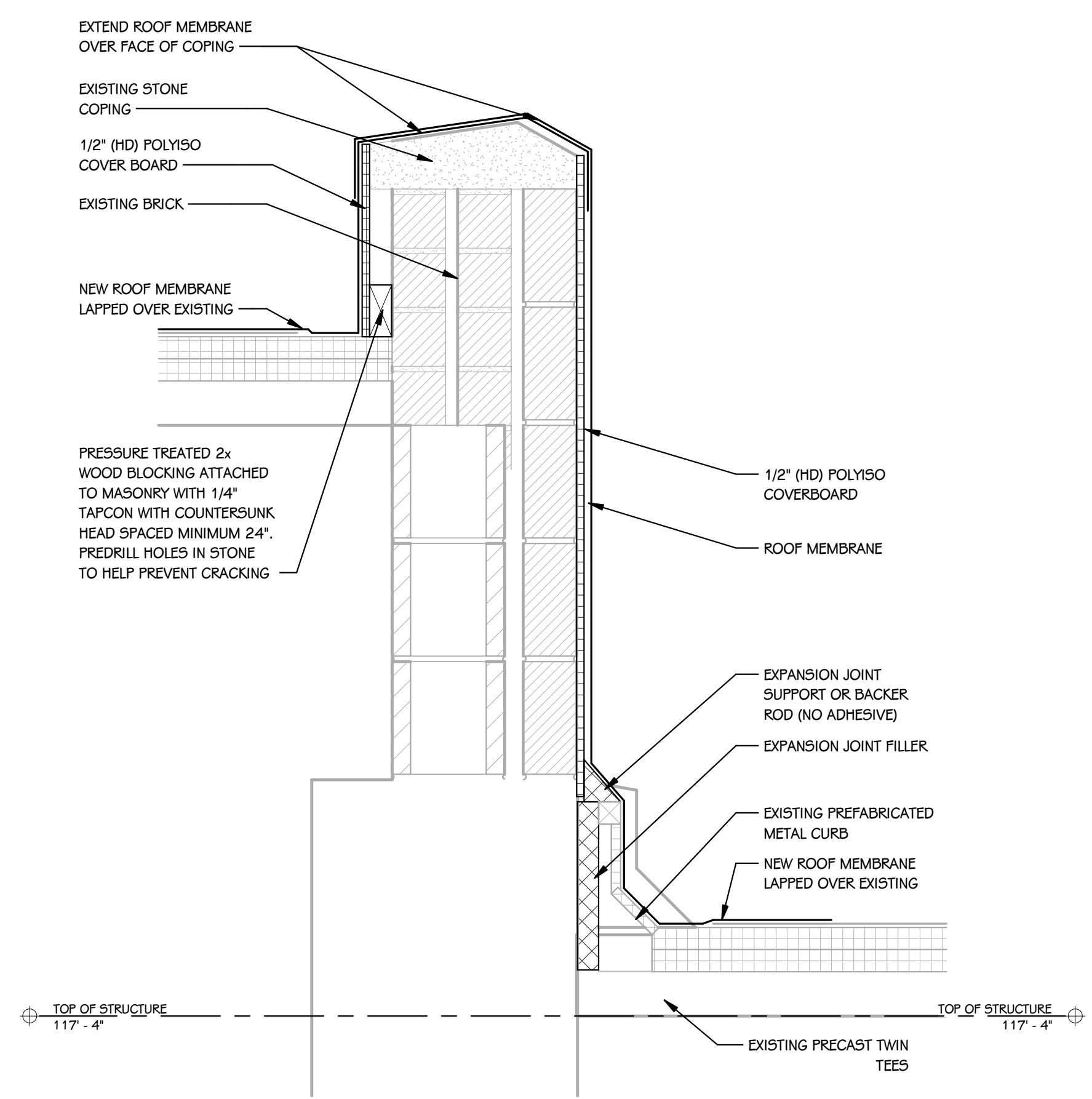
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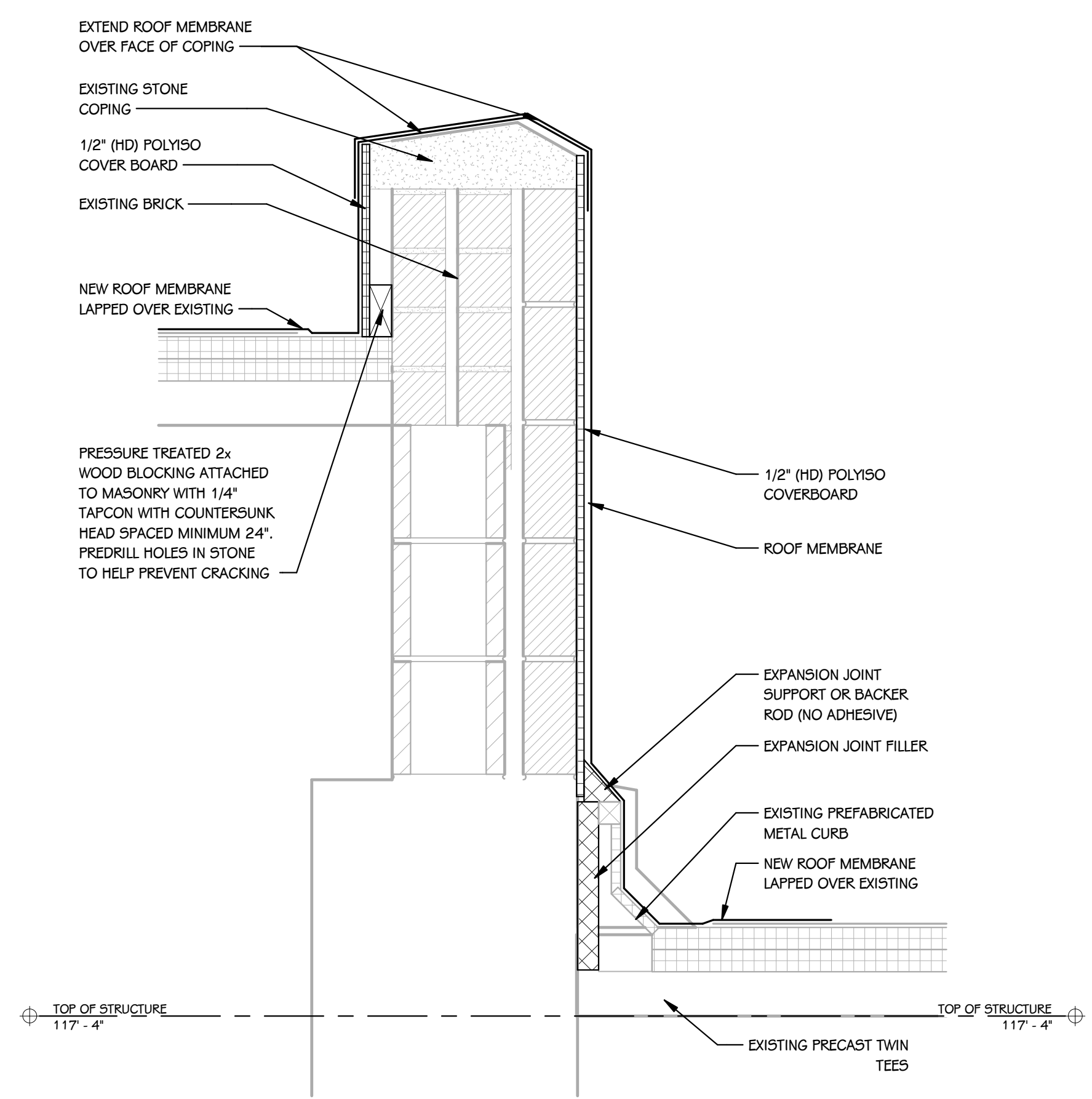
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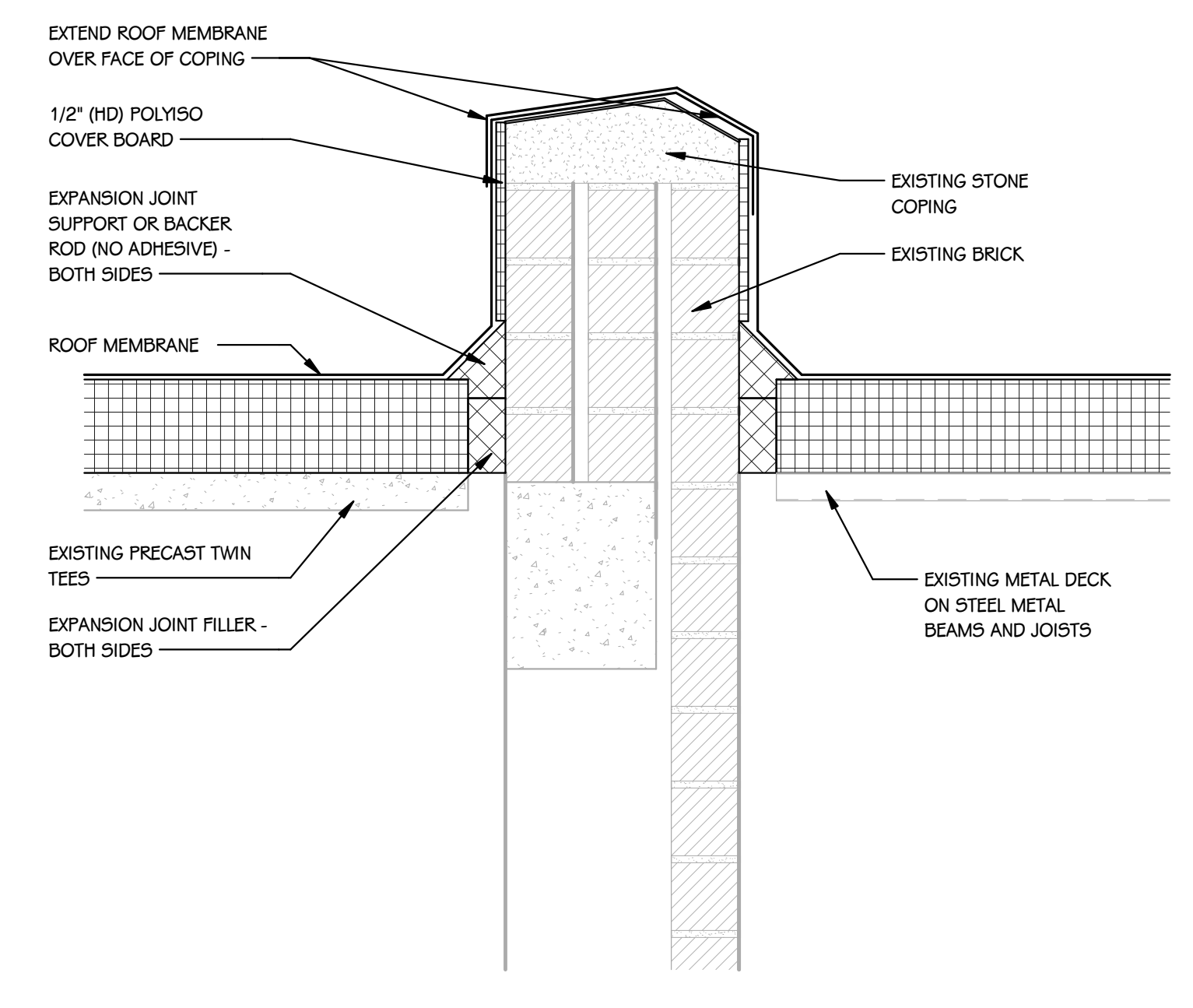
1 WALL SECTION DETAIL
1 1/2" = 1'-0"



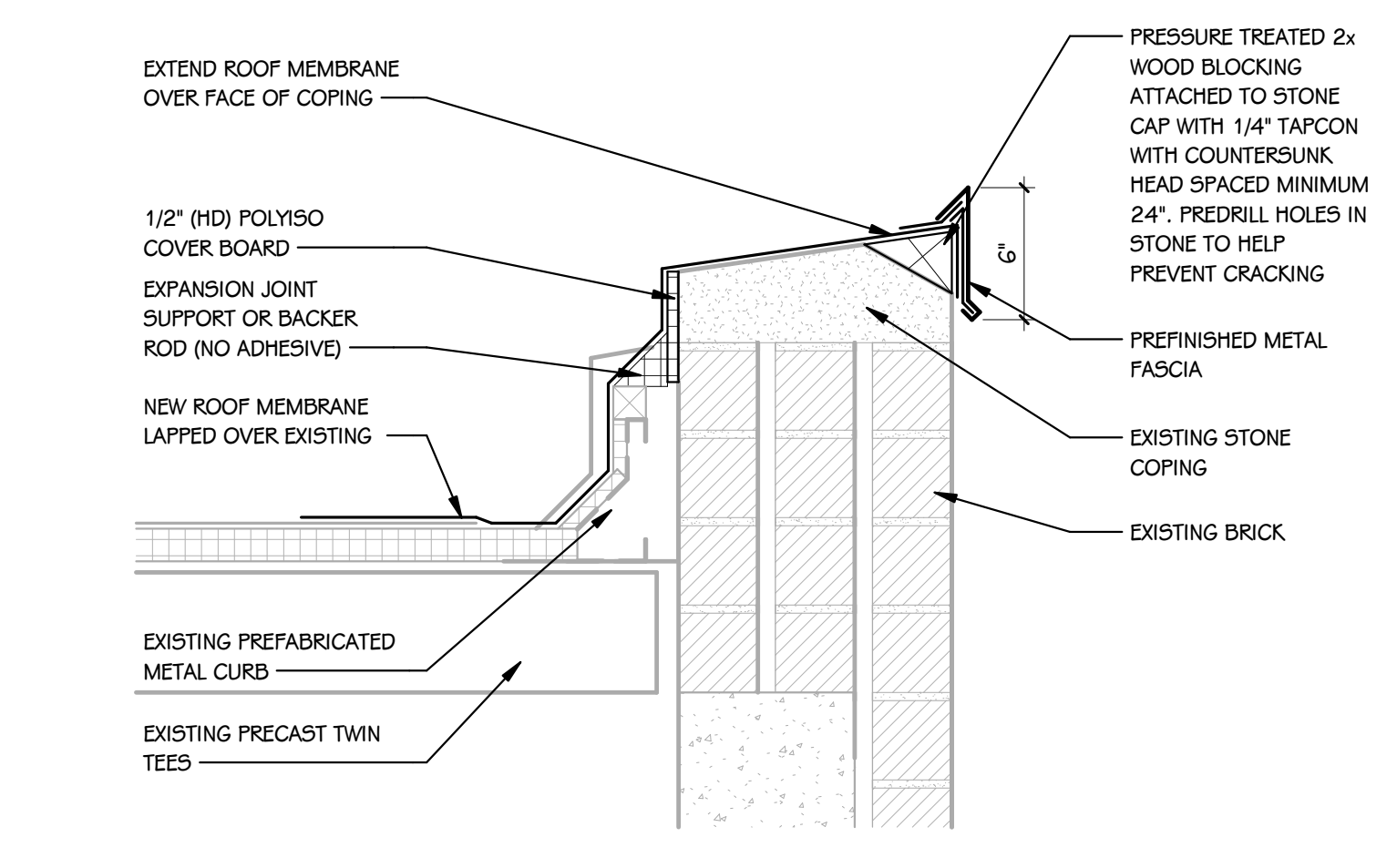
2 WALL SECTION DETAIL
1 1/2" = 1'-0"



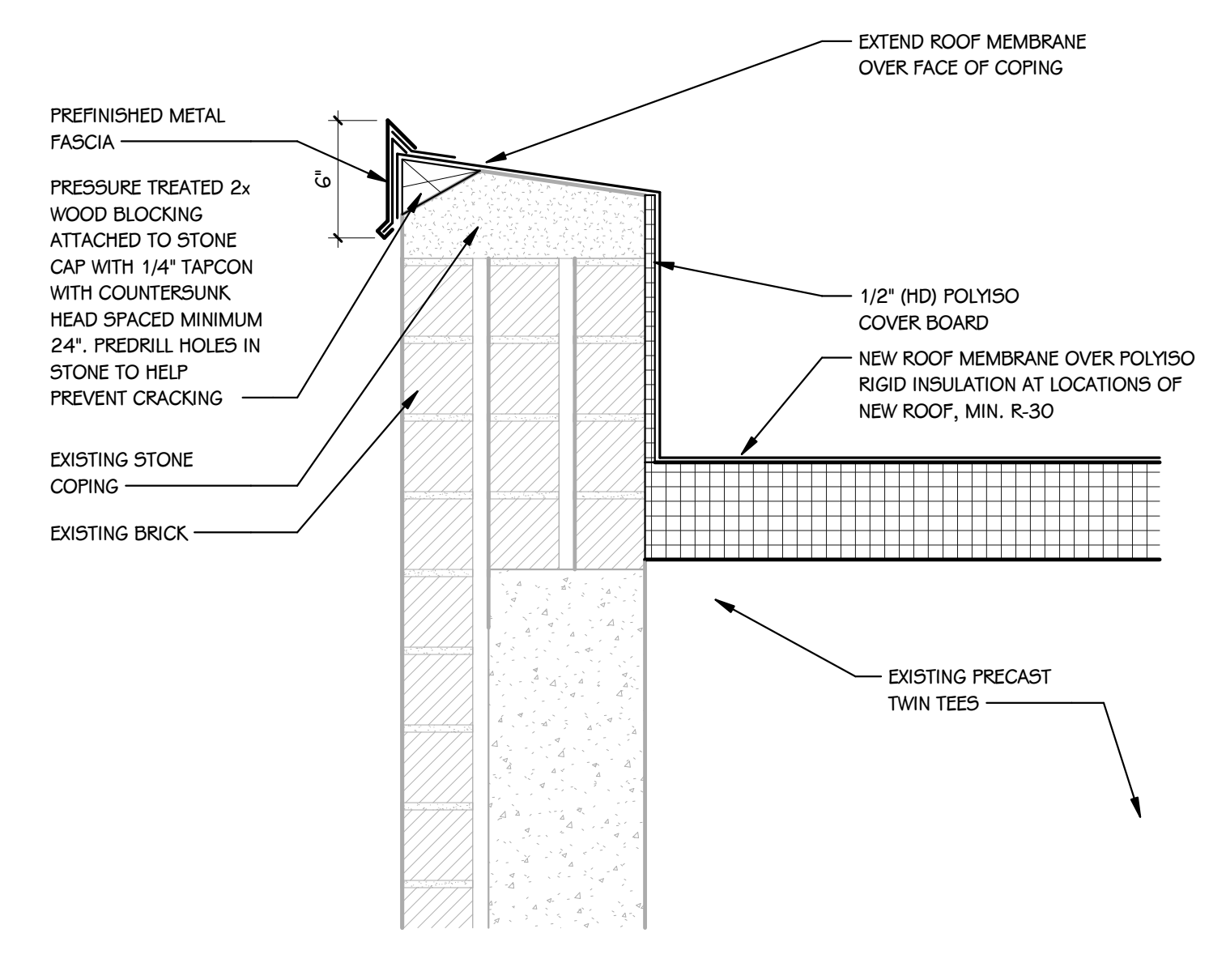
3 WALL SECTION DETAIL
1 1/2" = 1'-0"



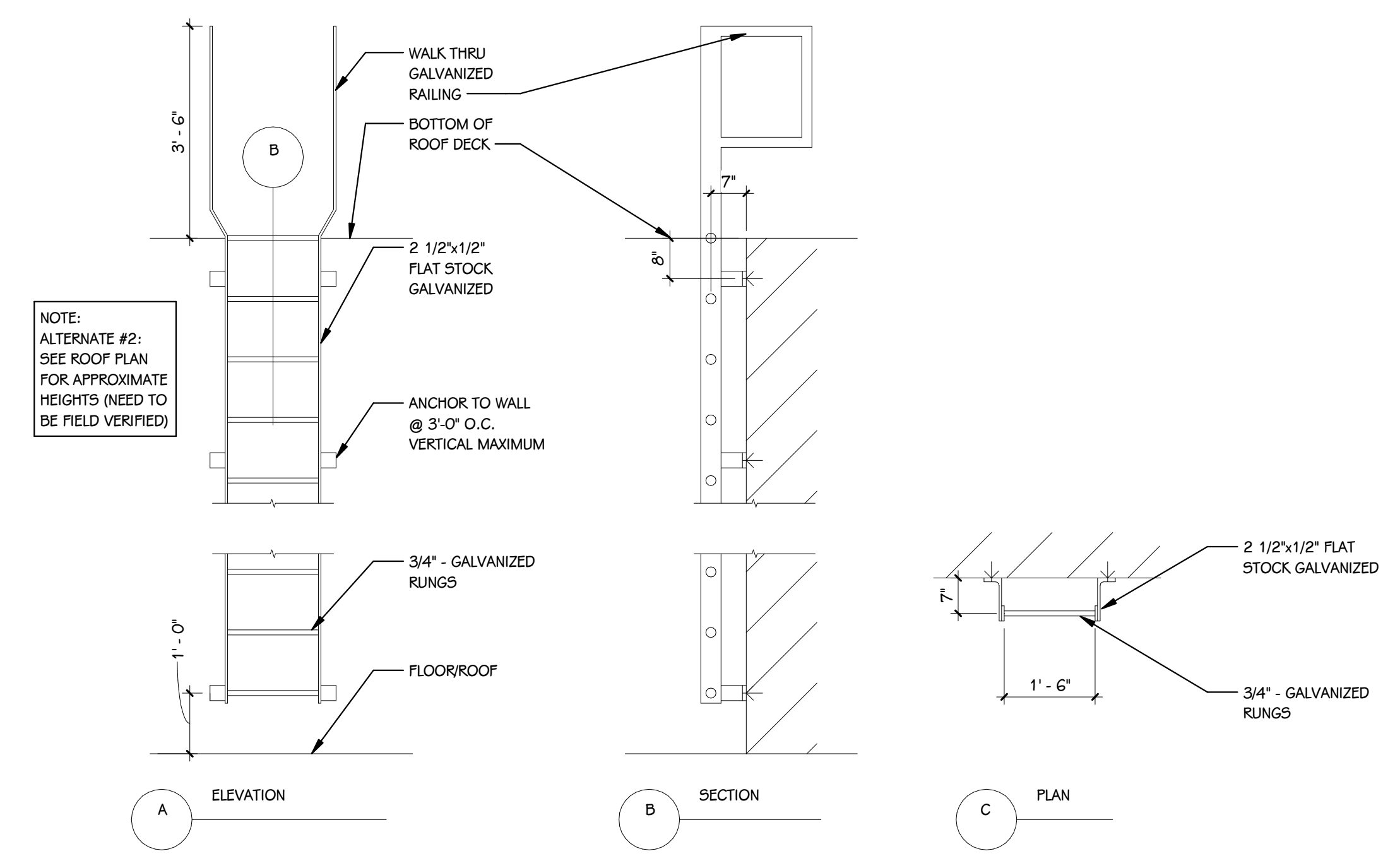
4 WALL SECTION DETAIL
1 1/2" = 1'-0"



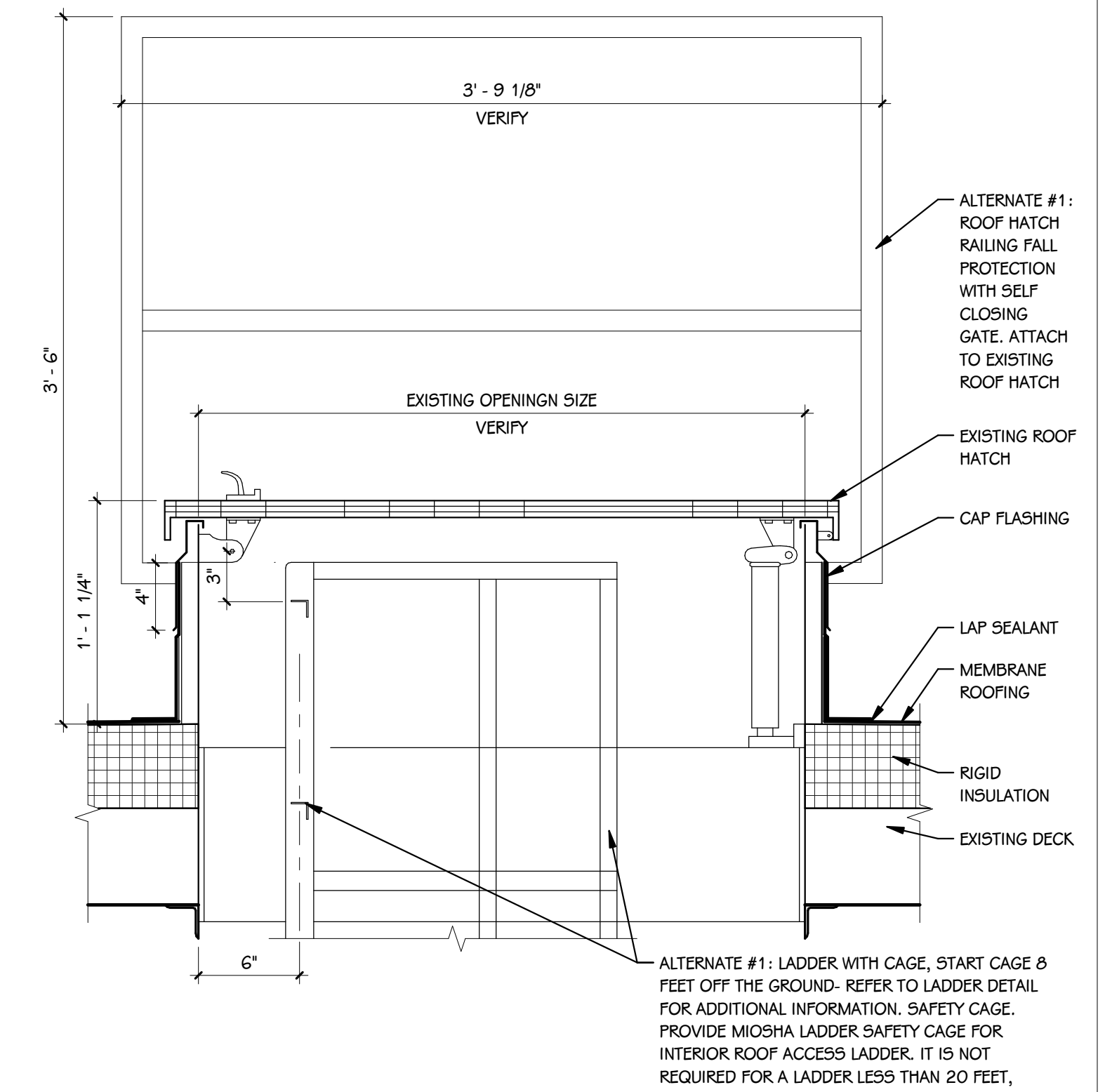
5 WALL SECTION DETAIL
1 1/2" = 1'-0"



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



7 TYPICAL ROOF LADDER DETAIL WITH WALK THRU
1/2" = 1'-0"



8 ROOF HATCH
1 1/2" = 1'-0"

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