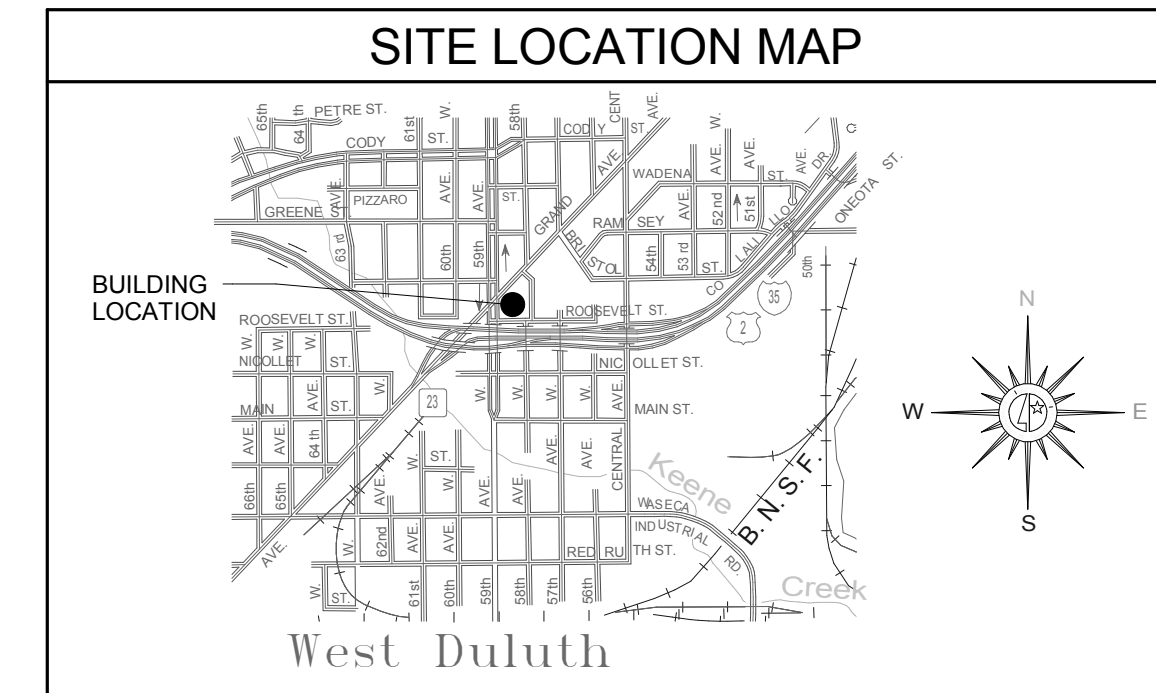


CITY CENTER WEST REROOFING

CITY of DULUTH
DULUTH, MINNESOTA



ROOF NOTES

TYPICAL ROOF ASSEMBLY

- 60 MIL EPDM MEMBRANE, FULLY ADHERED
 - 1/2" HP BOARD
 - BASE ROOF INSULATION WITH TAPERED INSULATION - SEE ROOF PLAN FOR SLOPE AND THICKNESS
 - VAPOR RETARDER (LAP & SEAL ALL SEAMS)
 - 1/4" DENS-DECK ROOF BOARD
2. PROVIDE CRICKETS ON UP SLOPE SIDE OF ALL MECHANICAL UNITS AS REQUIRED. REFERENCE TO TYPICAL ROOF CURB DETAIL FOR ADDITIONAL INFORMATION.
3. EXISTING ROOF ASSEMBLY - FIELD VERIFY
DECKING: 1 1/2" METAL DECKING
INSULATION: 4" BASE EPS WITH ASSOCIATED TAPERED INSULATION MEMBRANE: 45 MIL EPDM
BALLAST: 1 1/2" WASHED ROCK
4. INSULATION DEPTHS SHOWN ON PLAN INDICATES INSULATION ONLY (NOT HP BOARD OR DENS-DECK).
5. CONTRACTOR TO FIELD VERIFY CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK OR ORDERING MATERIALS.
6. CONTRACTOR TO COORDINATE STAGING AREA WITH OWNER.
7. LIMIT AMOUNT OF TRAFFIC ON ROOF. IF ANY TRAFFIC MUST BE ON ROOF, MINIMUM 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.

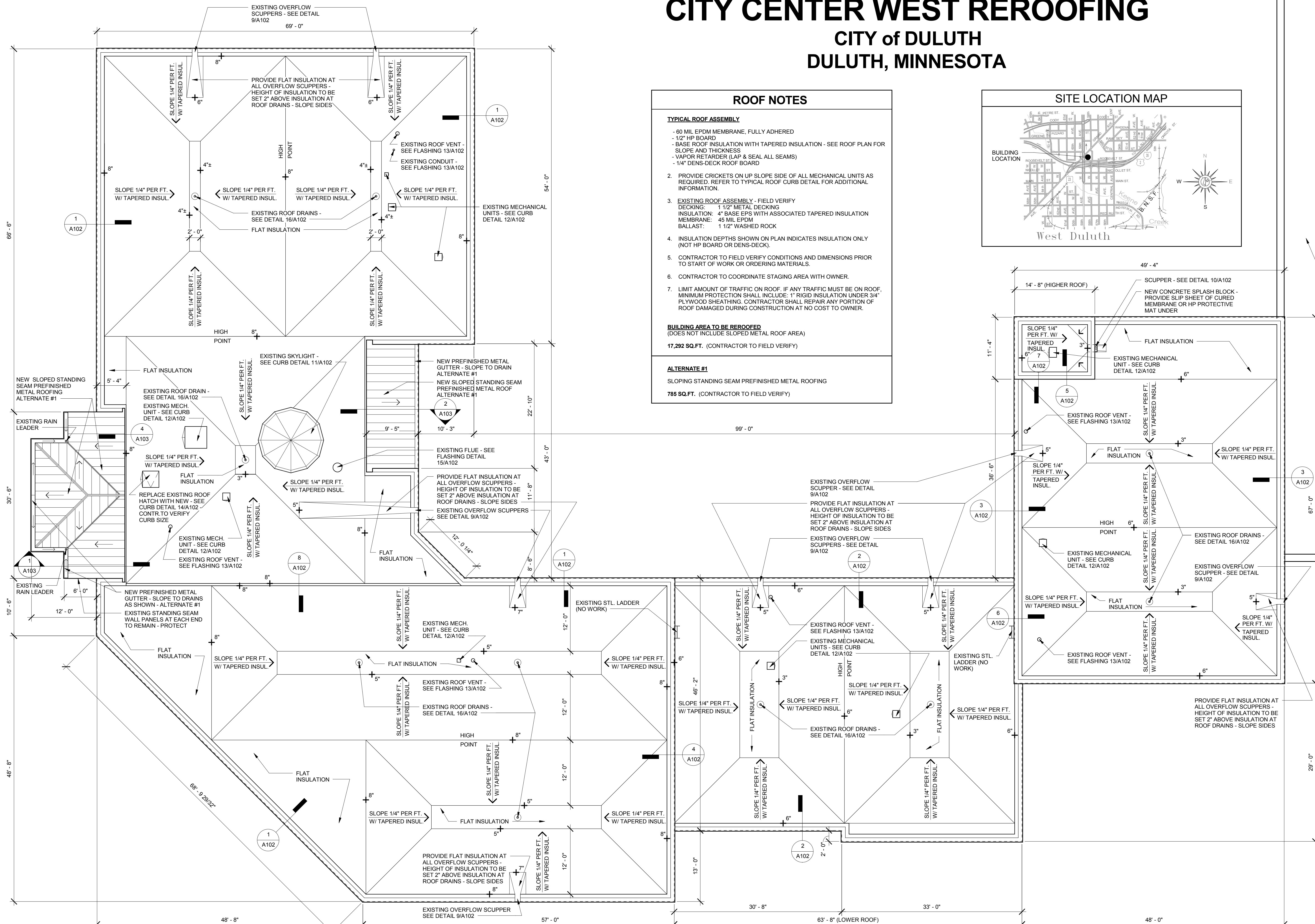
BUILDING AREA TO BE REROOFED
(DOES NOT INCLUDE SLOPED METAL ROOF AREA)

17,292 SQ.FT. (CONTRACTOR TO FIELD VERIFY)

ALTERNATE #1

SLOPING STANDING SEAM PREFINISHED METAL ROOFING

785 SQ.FT. (CONTRACTOR TO FIELD VERIFY)




1 ROOF PLAN
A101 1/8" = 1'-0"

The logo for Krech O'ard Engineers & Architects & Associates, Inc. features the company name in a bold, sans-serif font. 'KRECH' is in a larger, bolder font than 'O'ARD'. Below 'O'ARD' is the text 'Engineers & Architects' in a smaller, italicized font, followed by '& ASSOCIATES, INC.' in a standard font. To the right of the text is a stylized graphic of a building facade with vertical lines and a horizontal line, suggesting a modern architectural style.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

NAME: DOUGLAS L. GREENE

SIGNATURE: 

DATE: SEPTEMBER 5, 2013

LIC. No: 24118

[illegible]

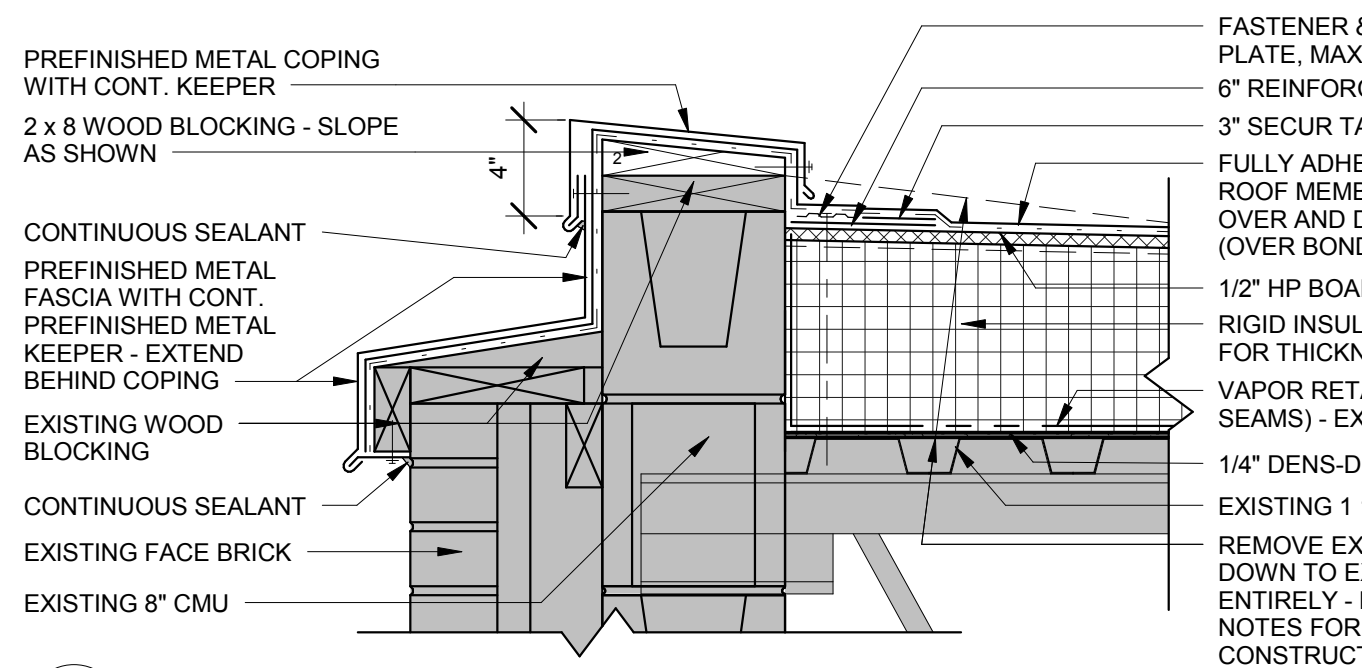
CITY CENTER WEST REROOFING
5830 GRAND AVENUE

ROOF PLAN

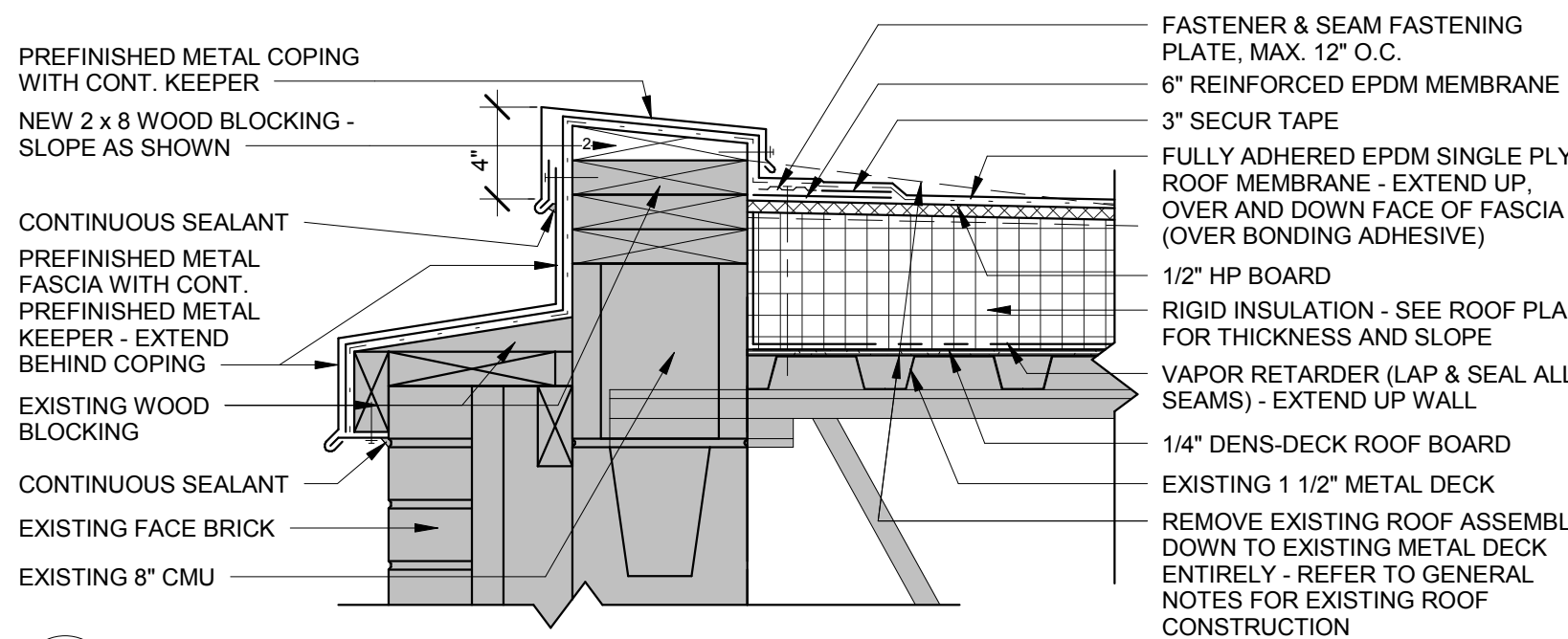
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DATE: 09-05-13
DRAWN BY: MRH
CHECKED BY: DLG

SHEET:

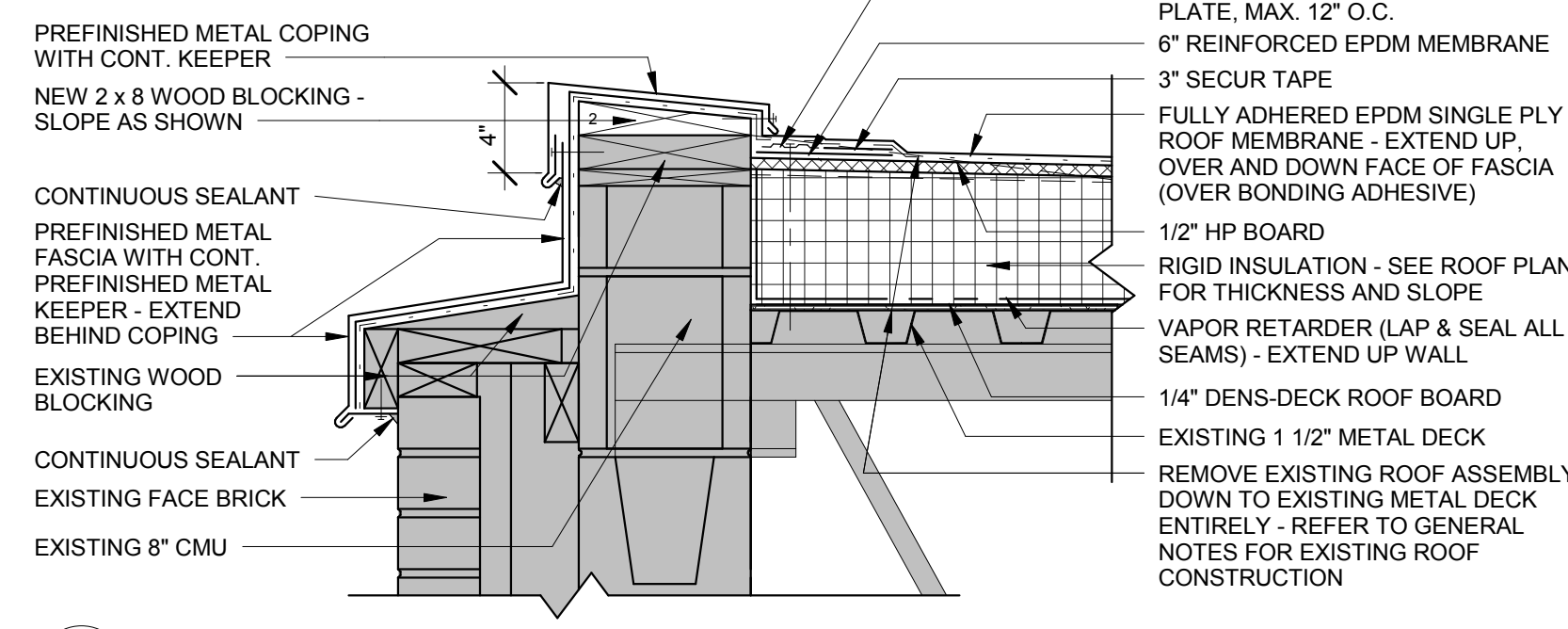
A101



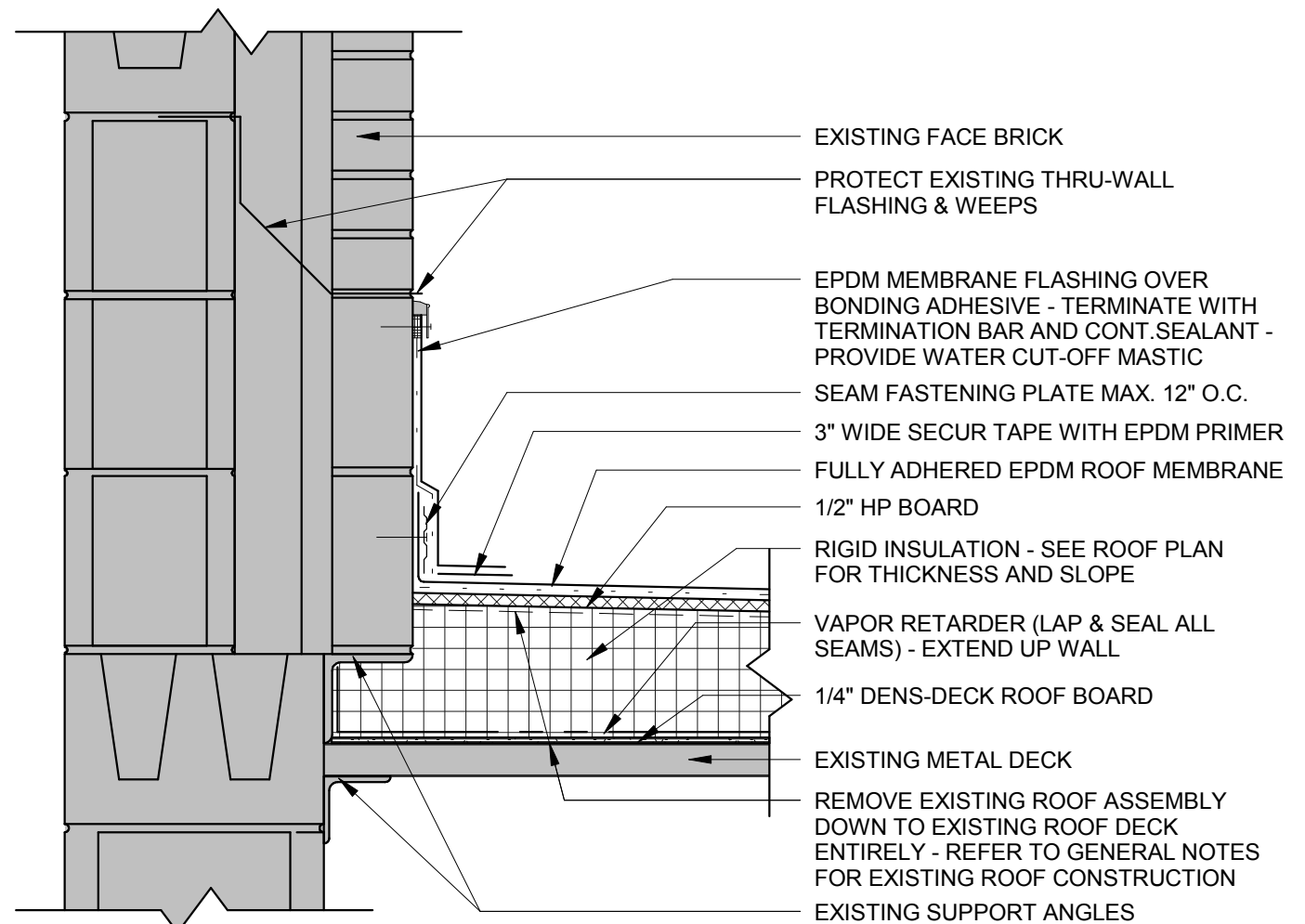
1 ROOF EDGE DETAIL
A102 1 1/2" = 1'-0"



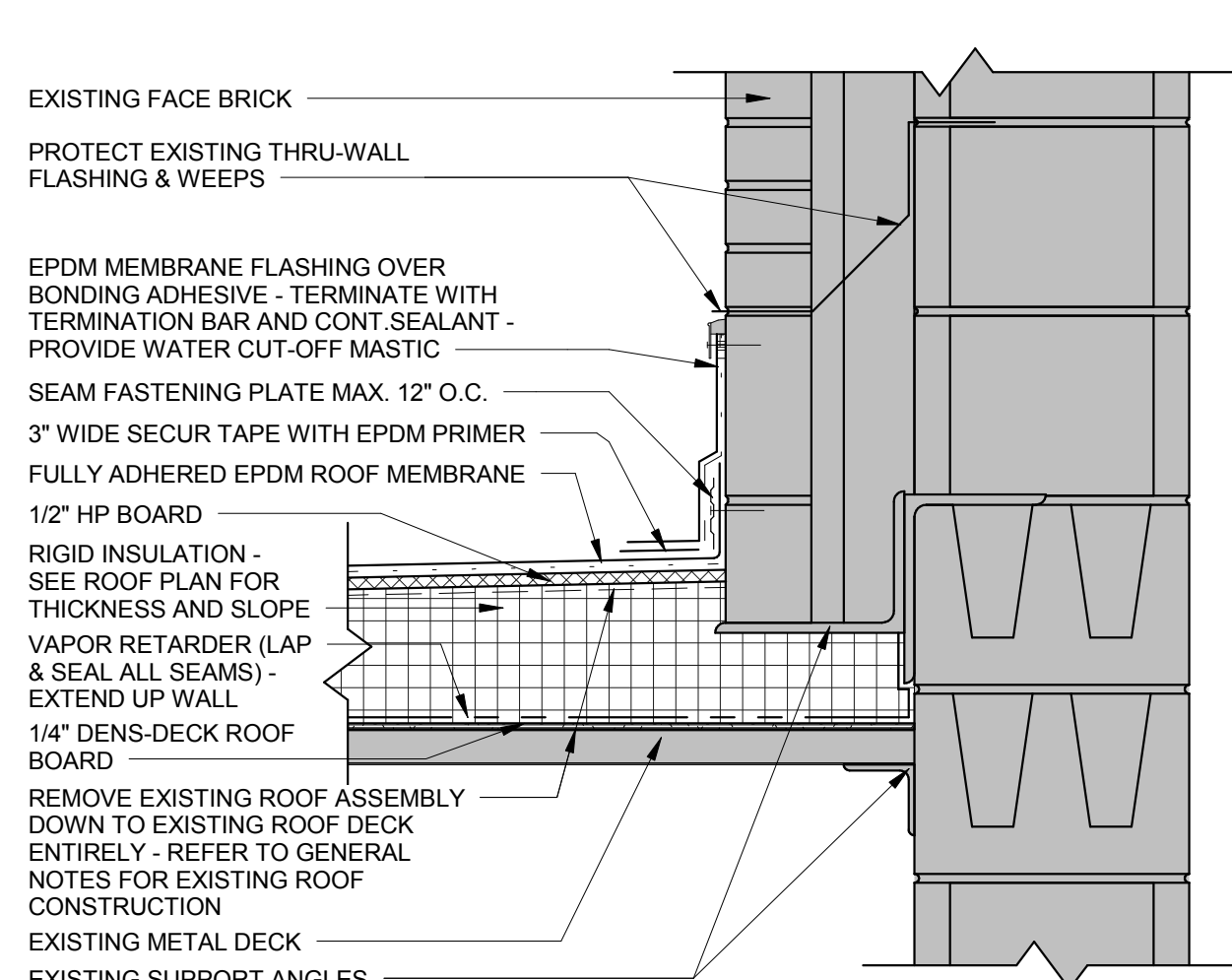
2 LOWER ROOF EDGE DETAIL
A102 1 1/2" = 1'-0"



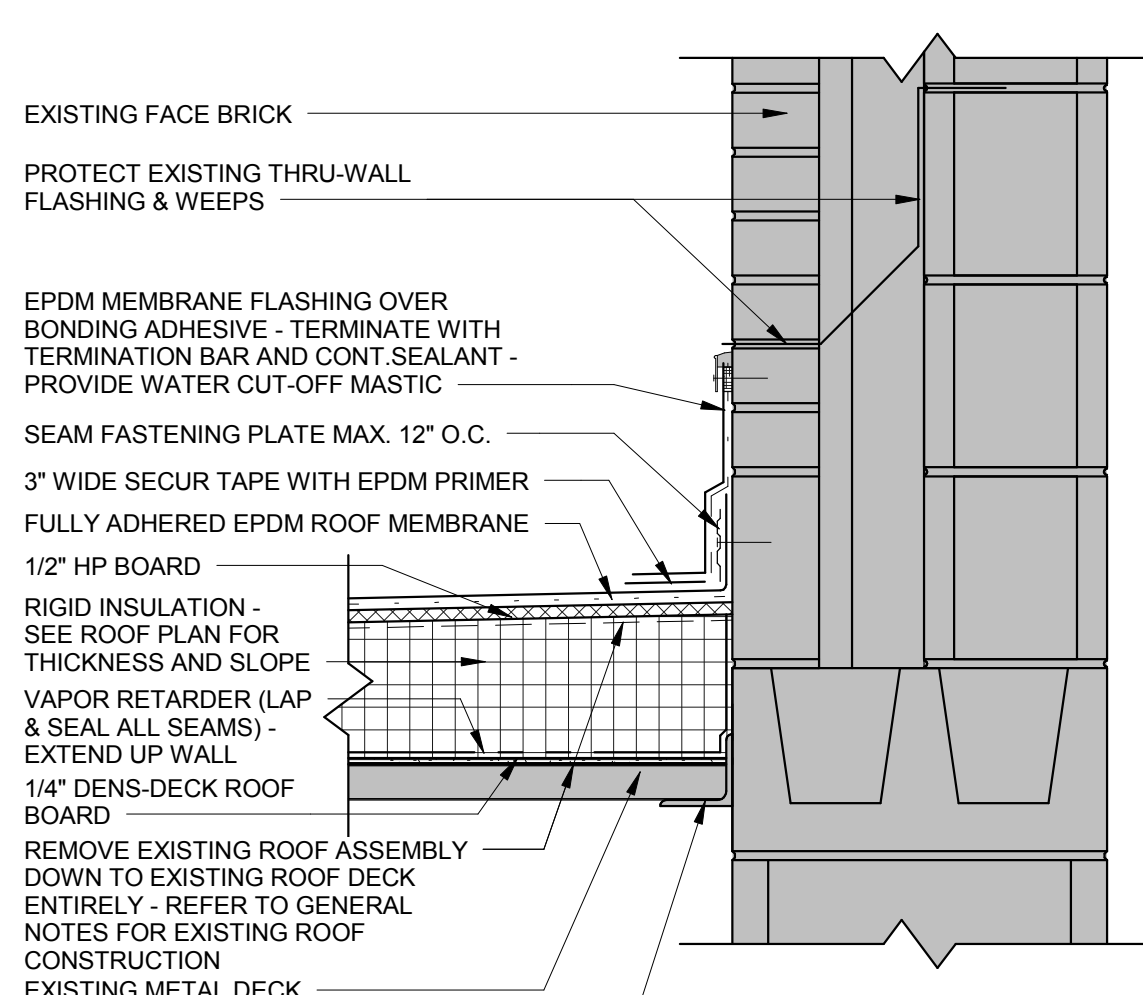
3 FIRE HALL ROOF EDGE DETAIL
A102 1 1/2" = 1'-0"



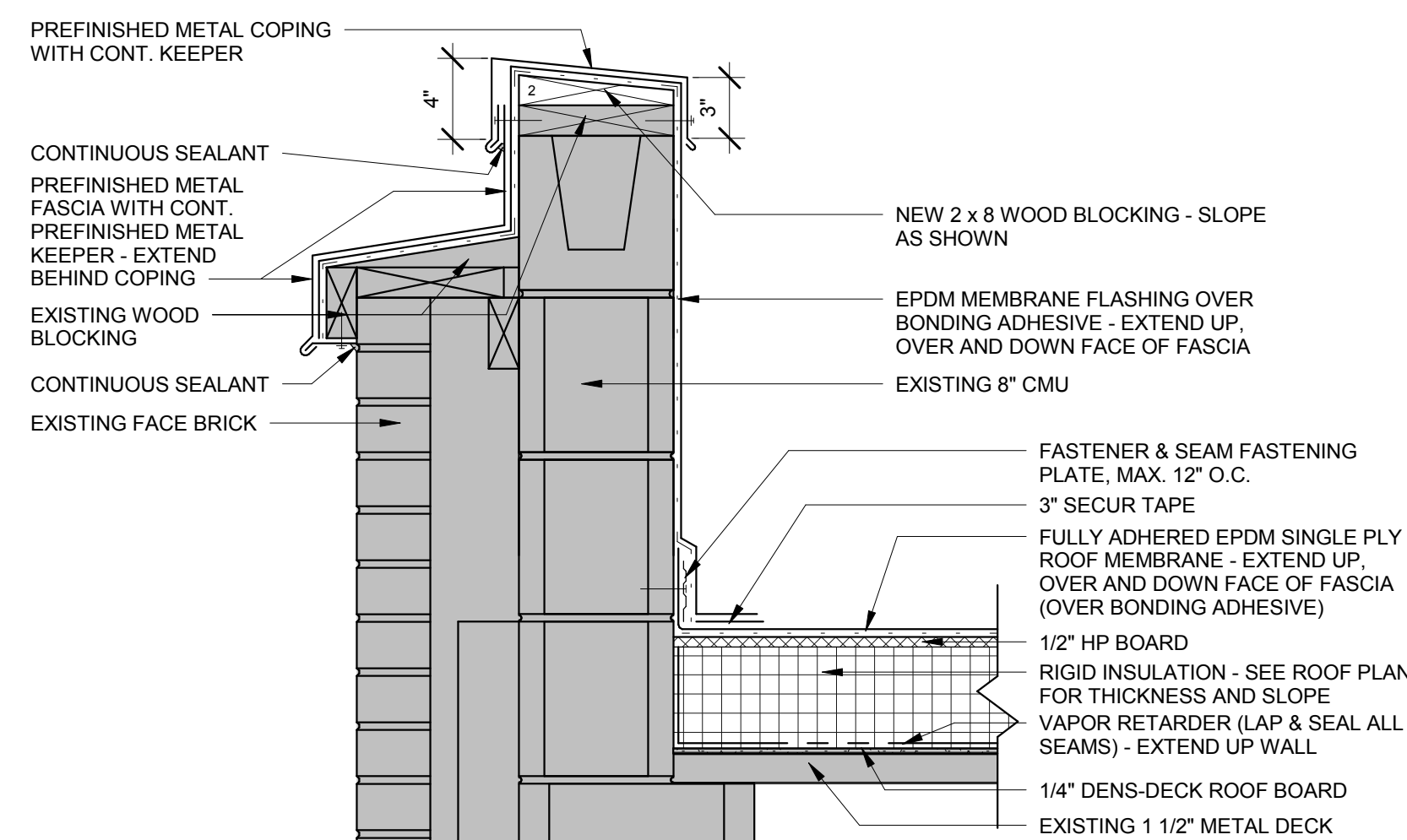
4 FLASHING DETAIL 1
A102 1 1/2" = 1'-0"



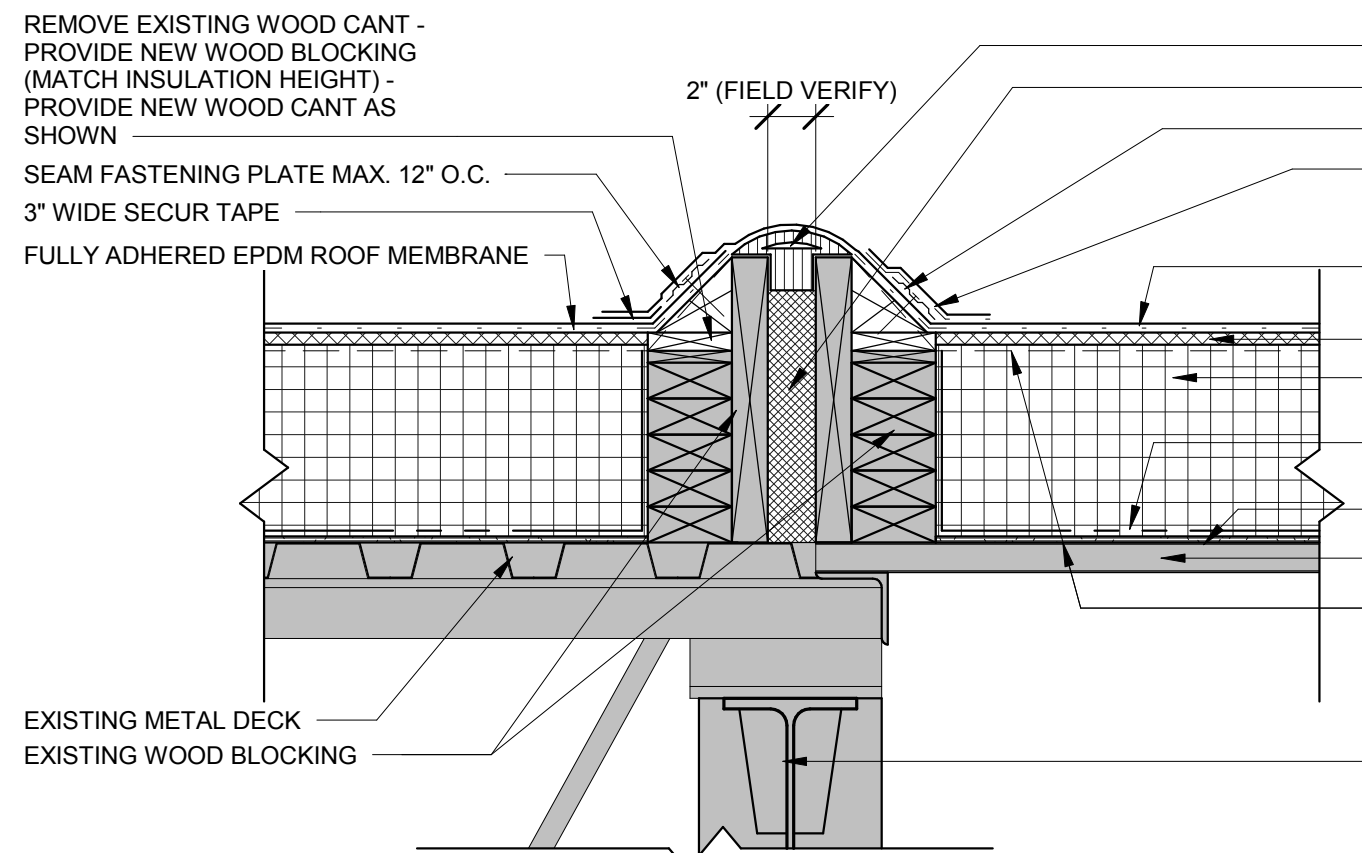
5 FLASHING DETAIL
A102 1 1/2" = 1'-0"



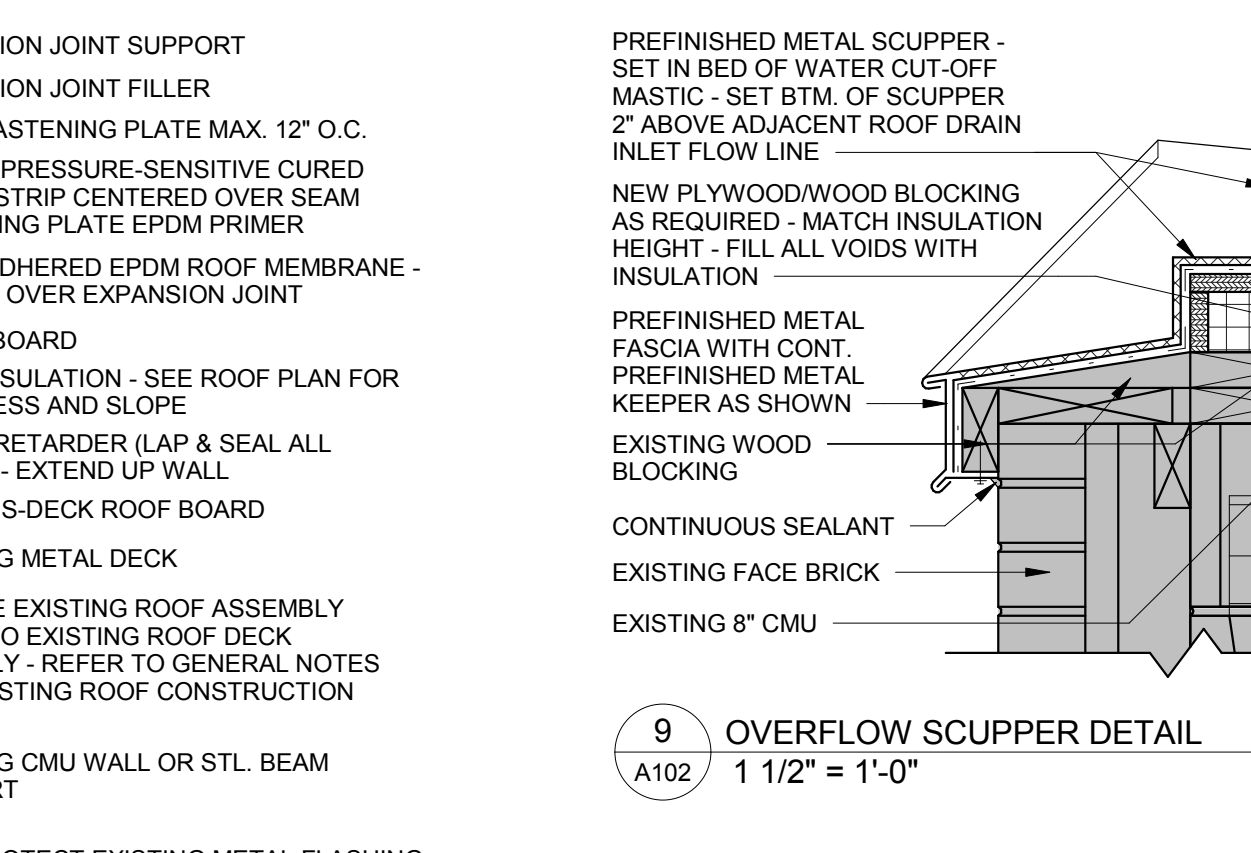
6 FLASHING DETAIL 3
A102 1 1/2" = 1'-0"



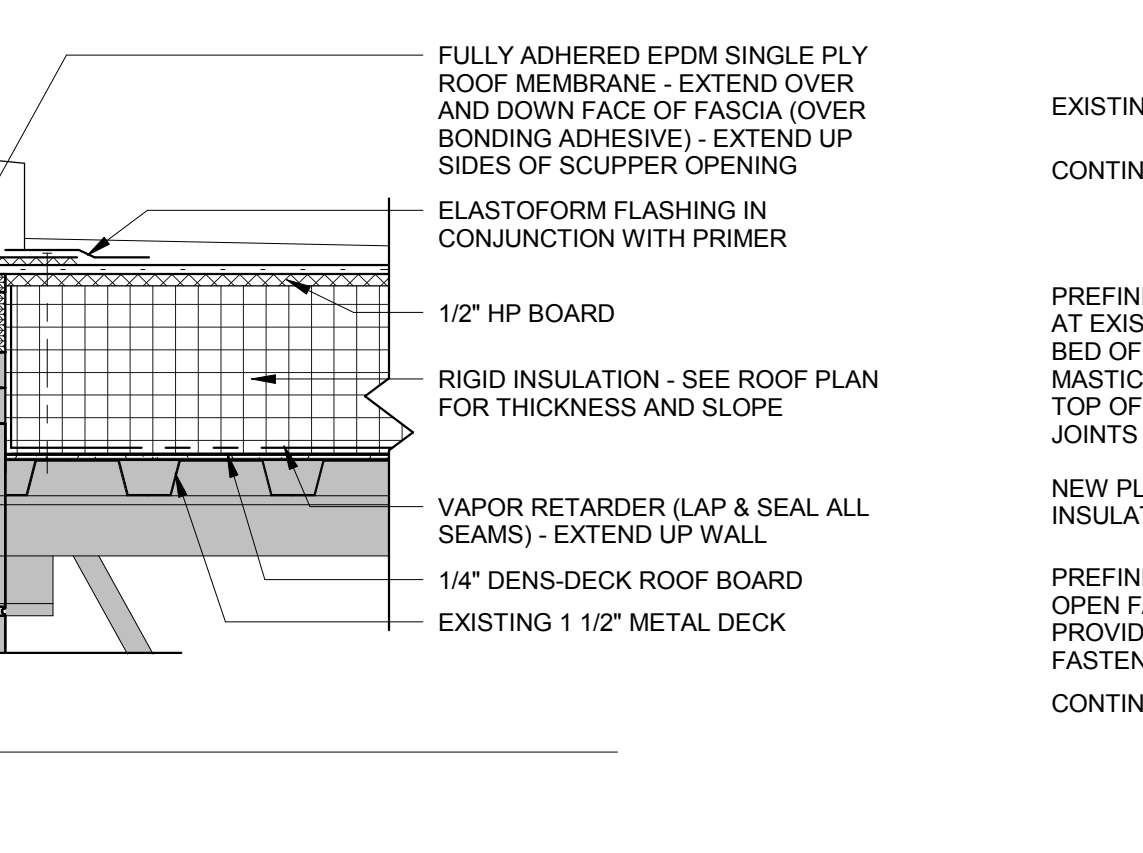
7 TOWER ROOF EDGE/ FLASHING DETAIL
A102 1 1/2" = 1'-0"



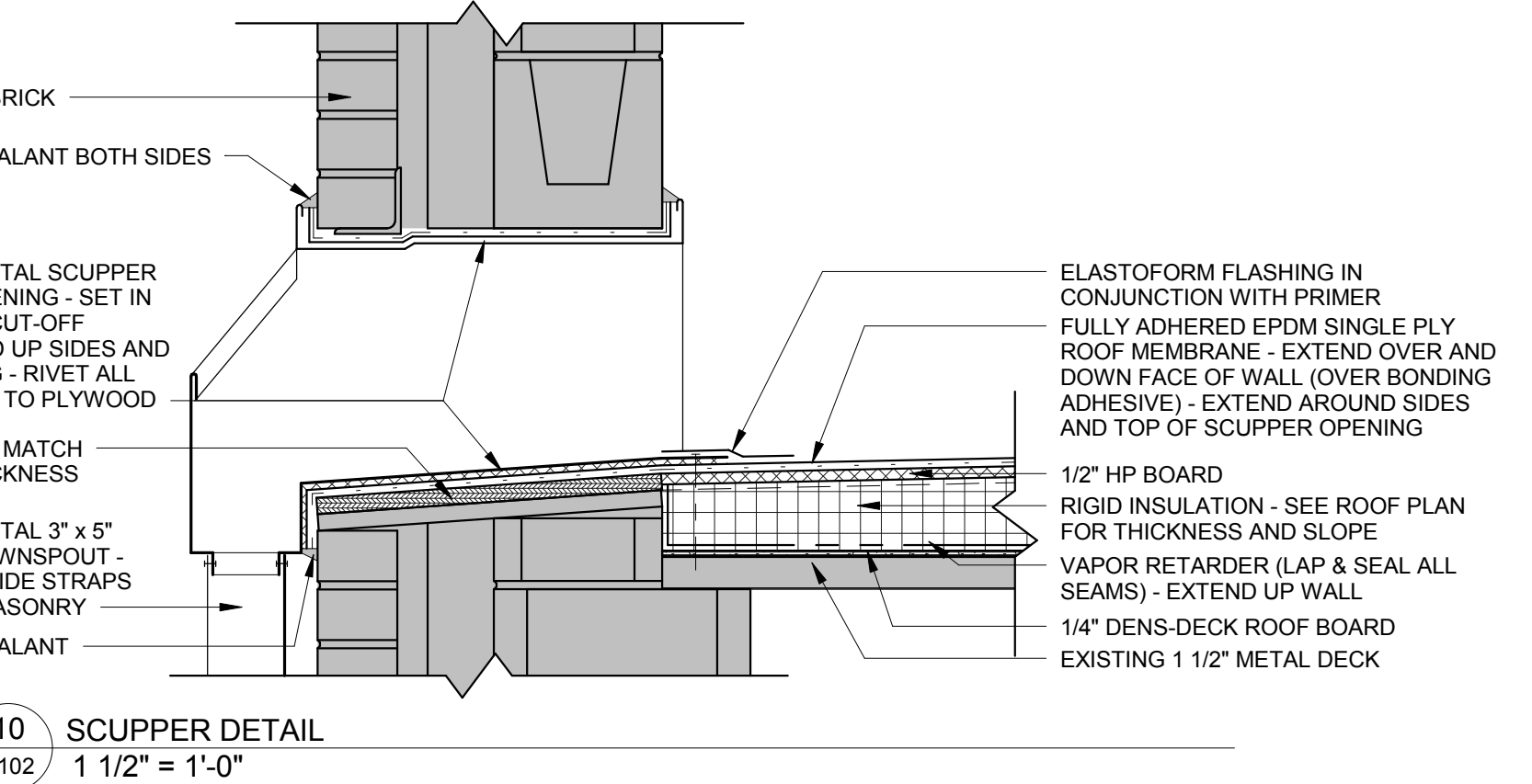
8 EXPANSION JOINT DETAIL
A102 1 1/2" = 1'-0"



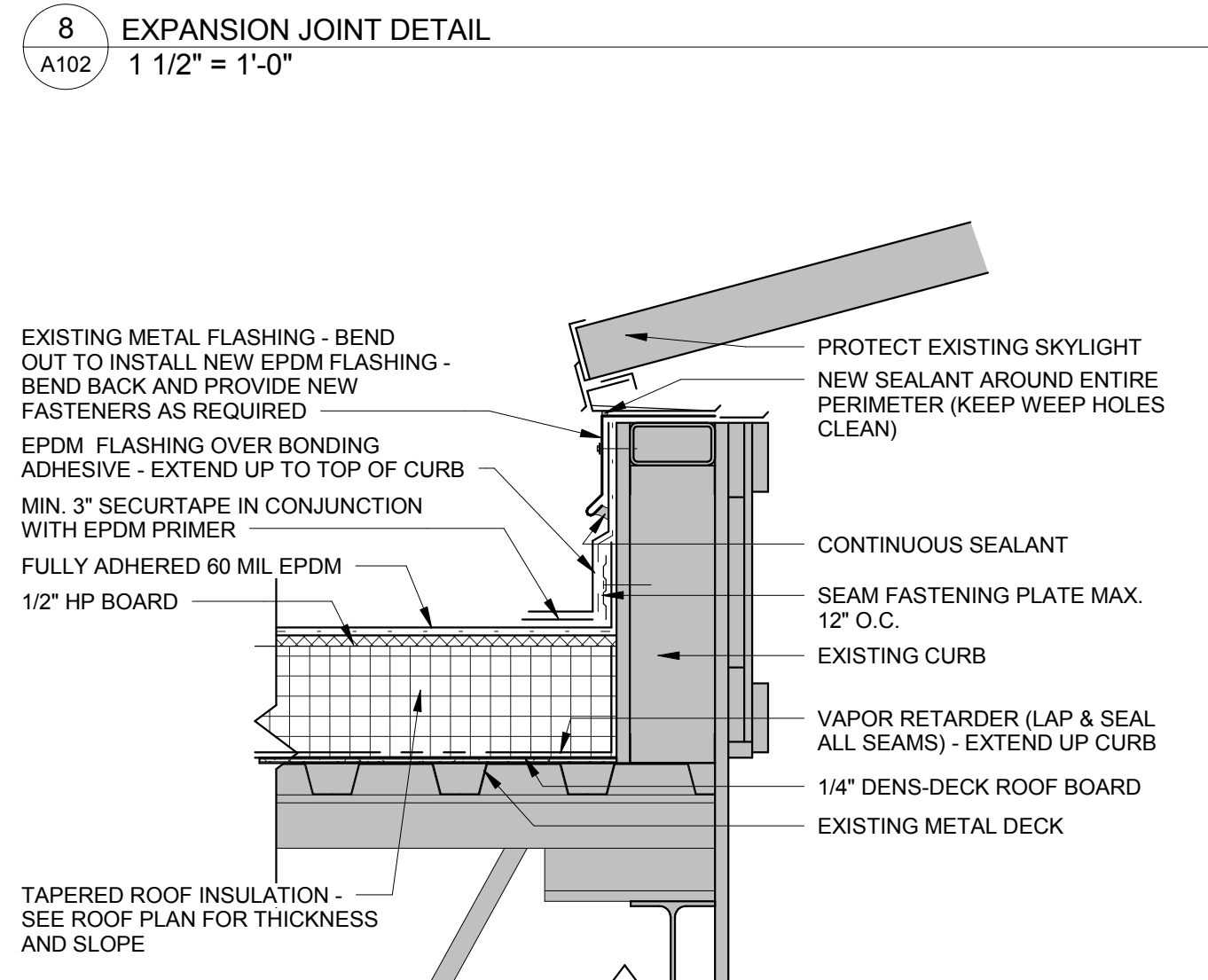
9 OVERFLOW SCUPPER DETAIL
A102 1 1/2" = 1'-0"



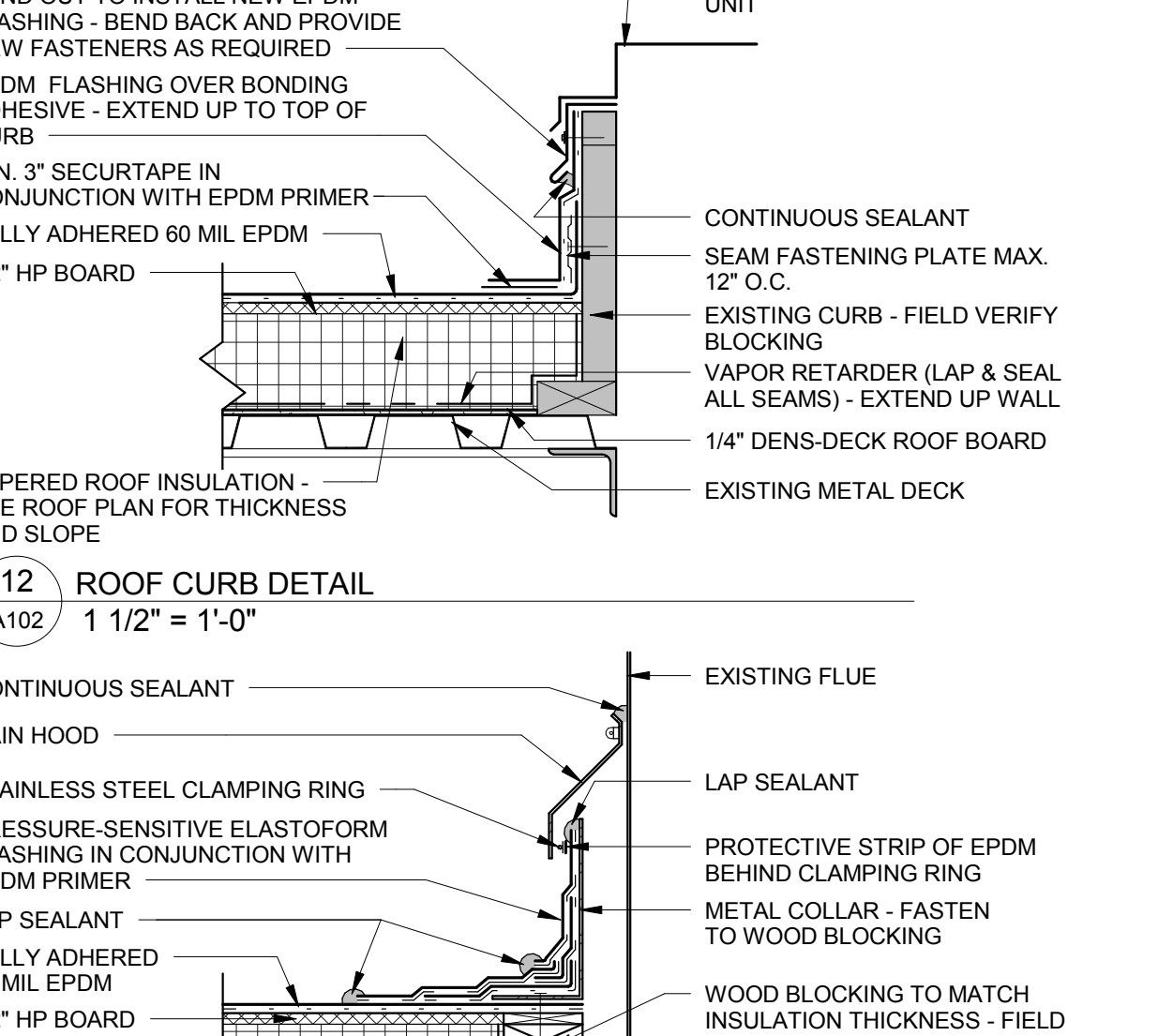
10 SCUPPER DETAIL
A102 1 1/2" = 1'-0"



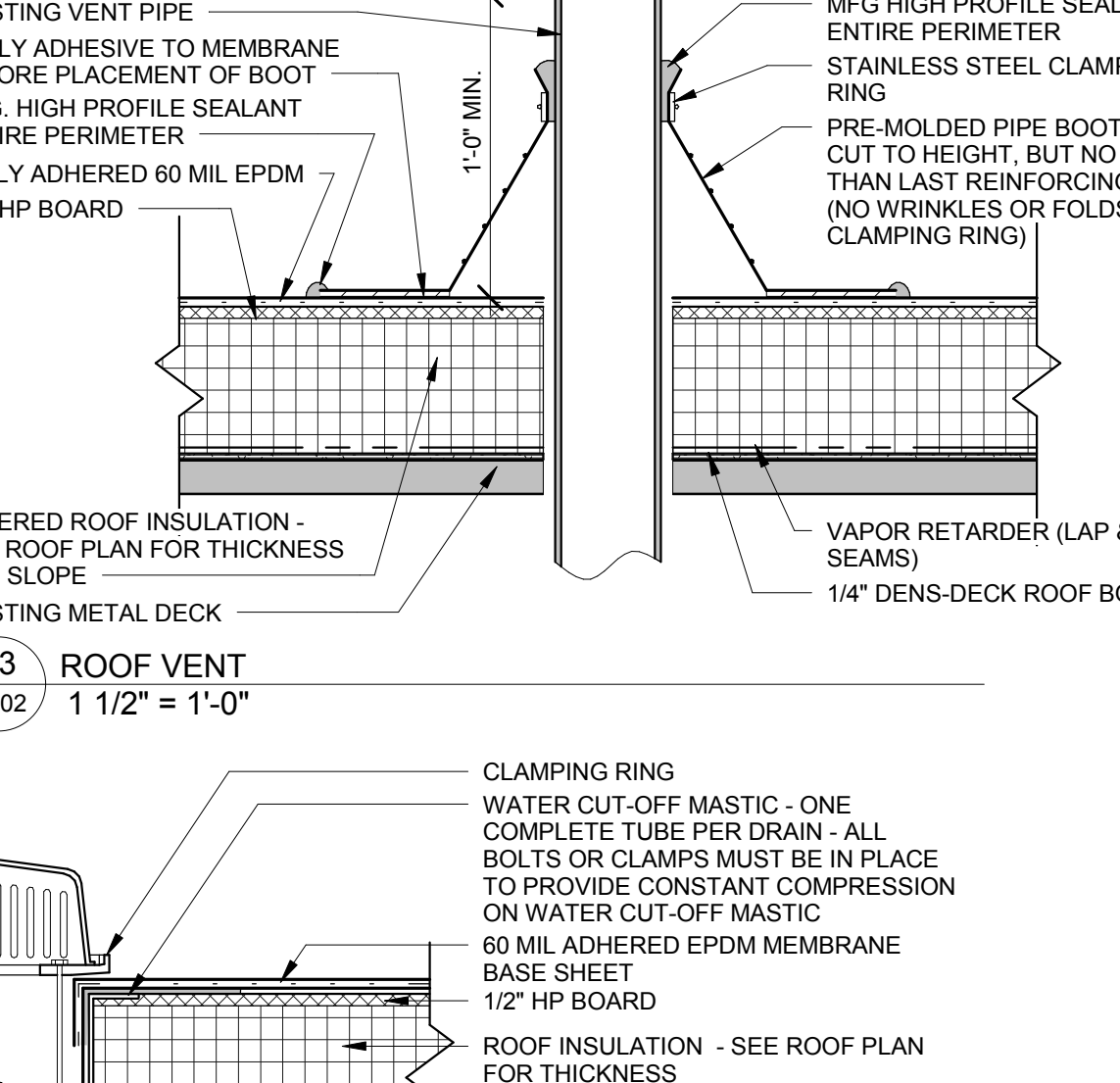
10 SCUPPER DETAIL
A102 1 1/2" = 1'-0"



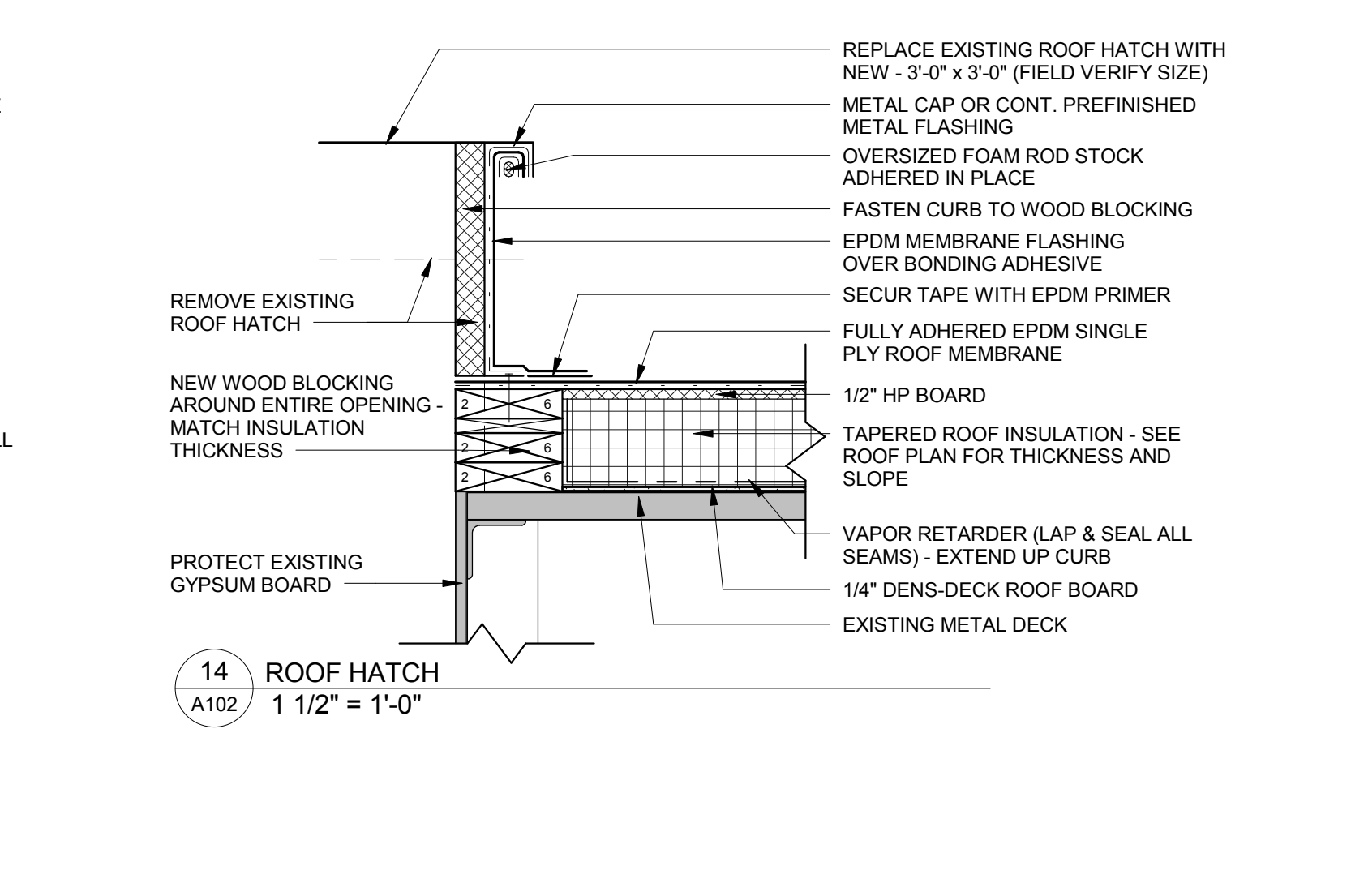
11 SKYLIGHT CURB DETAIL
A102 1 1/2" = 1'-0"



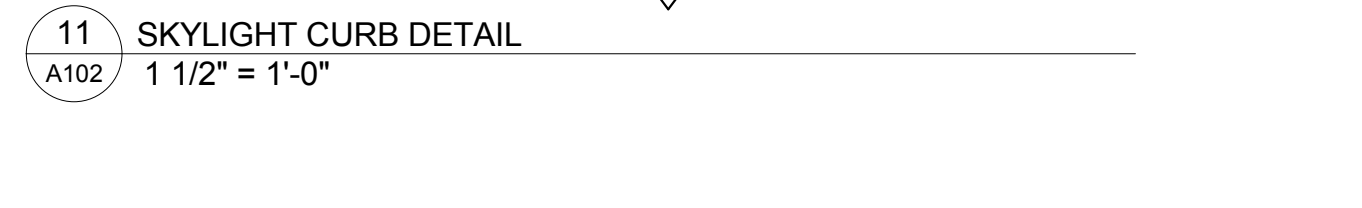
12 ROOF CURB DETAIL
A102 1 1/2" = 1'-0"



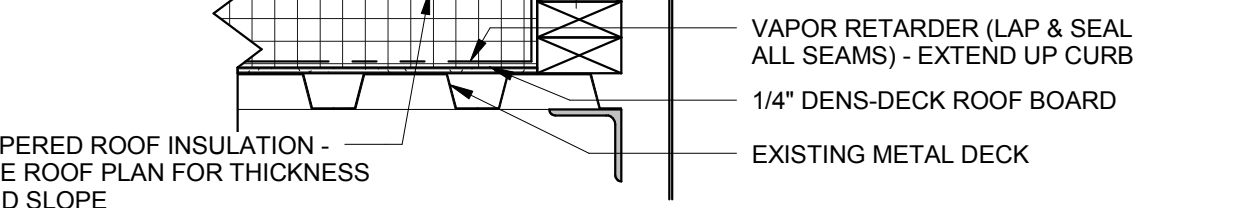
13 ROOF VENT
A102 1 1/2" = 1'-0"



14 ROOF HATCH
A102 1 1/2" = 1'-0"

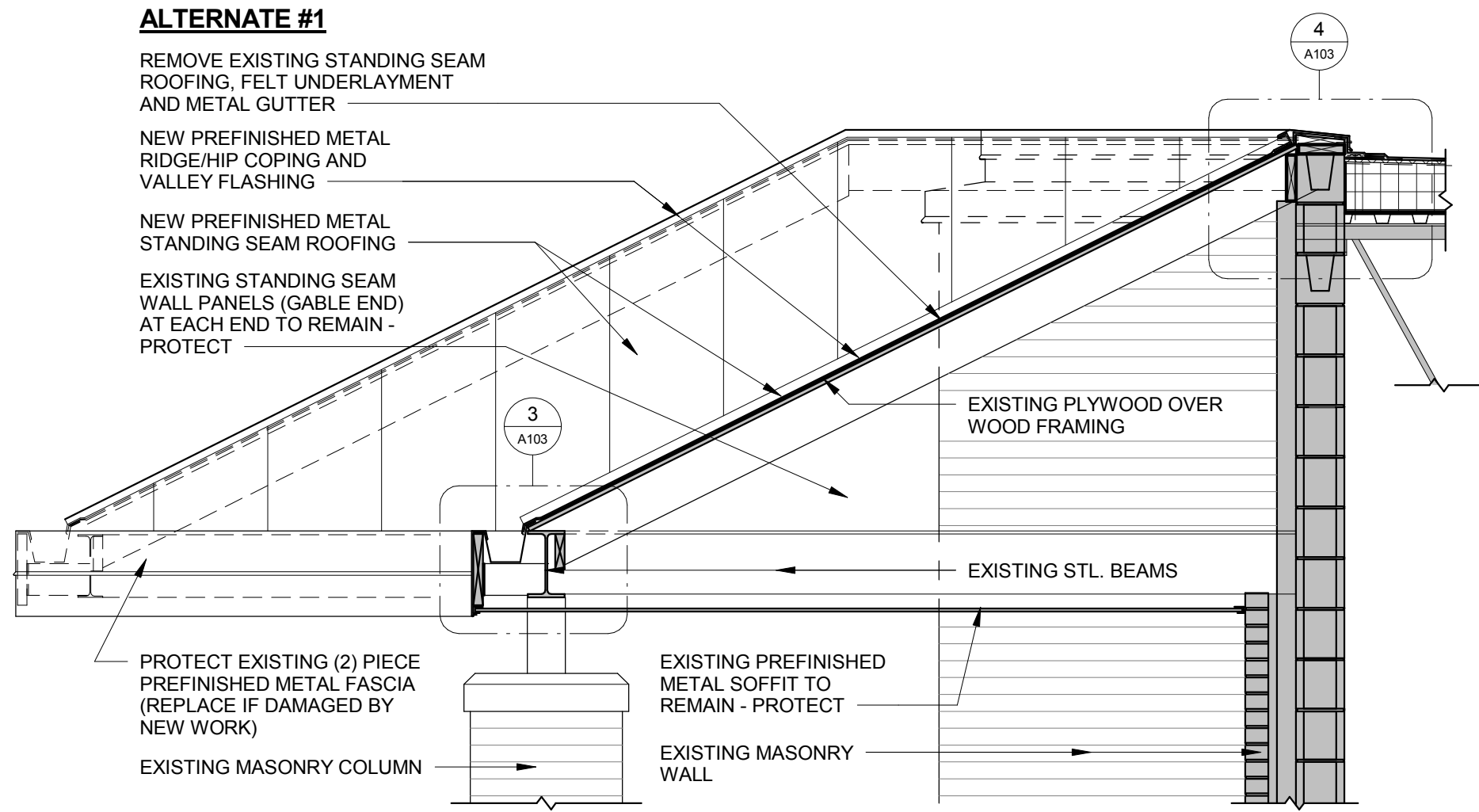


15 FLUE FLASHING DETAIL
A102 1 1/2" = 1'-0"

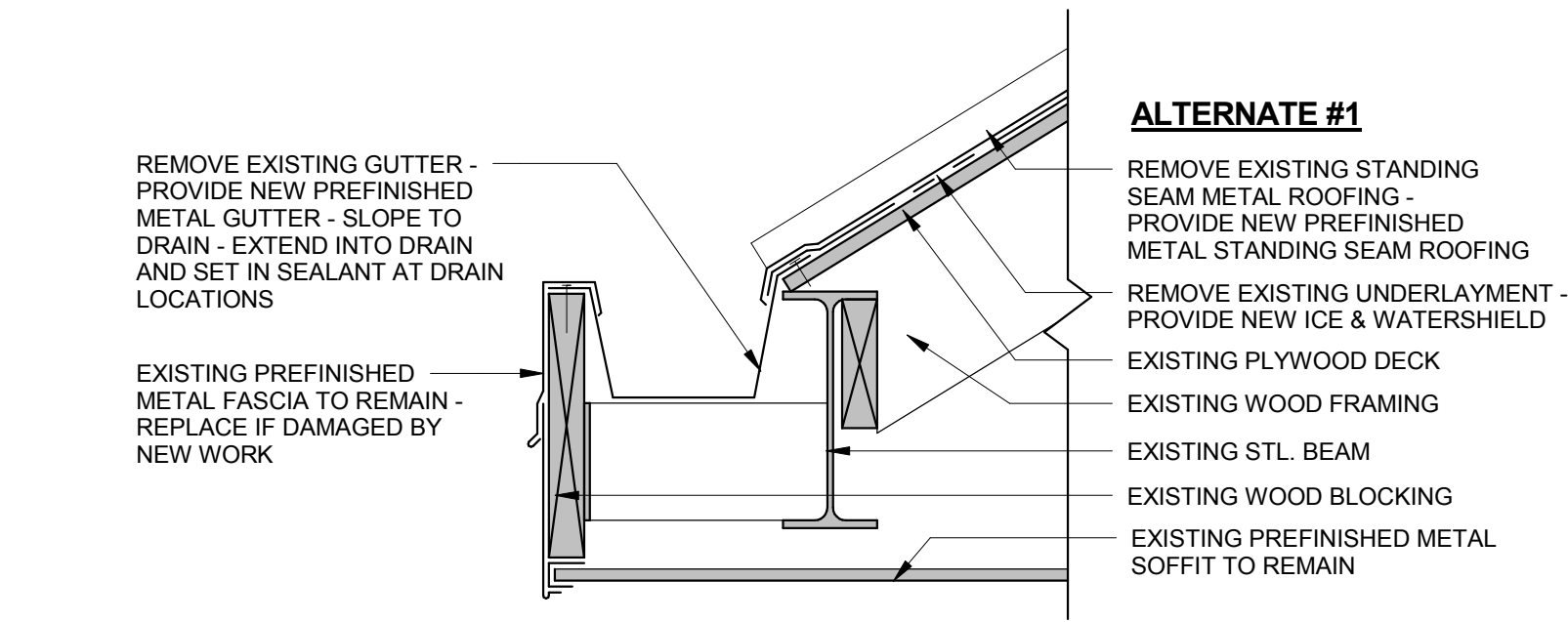


16 ROOF DRAIN DETAIL
A102 1 1/2" = 1'-0"

Revision Schedule		By	
Date	Description		



1 WEST CANOPY SECTION
1/2" = 1'-0"



3 GUTTER DETAIL
1 1/2" = 1'-0"

CODE SUMMARY

OCCUPANCY GROUPS:

SENIOR CENTER A-3
LIBRARY A-3
FIRE HALL B-2

TYPE OF CONSTRUCTION:

II-N

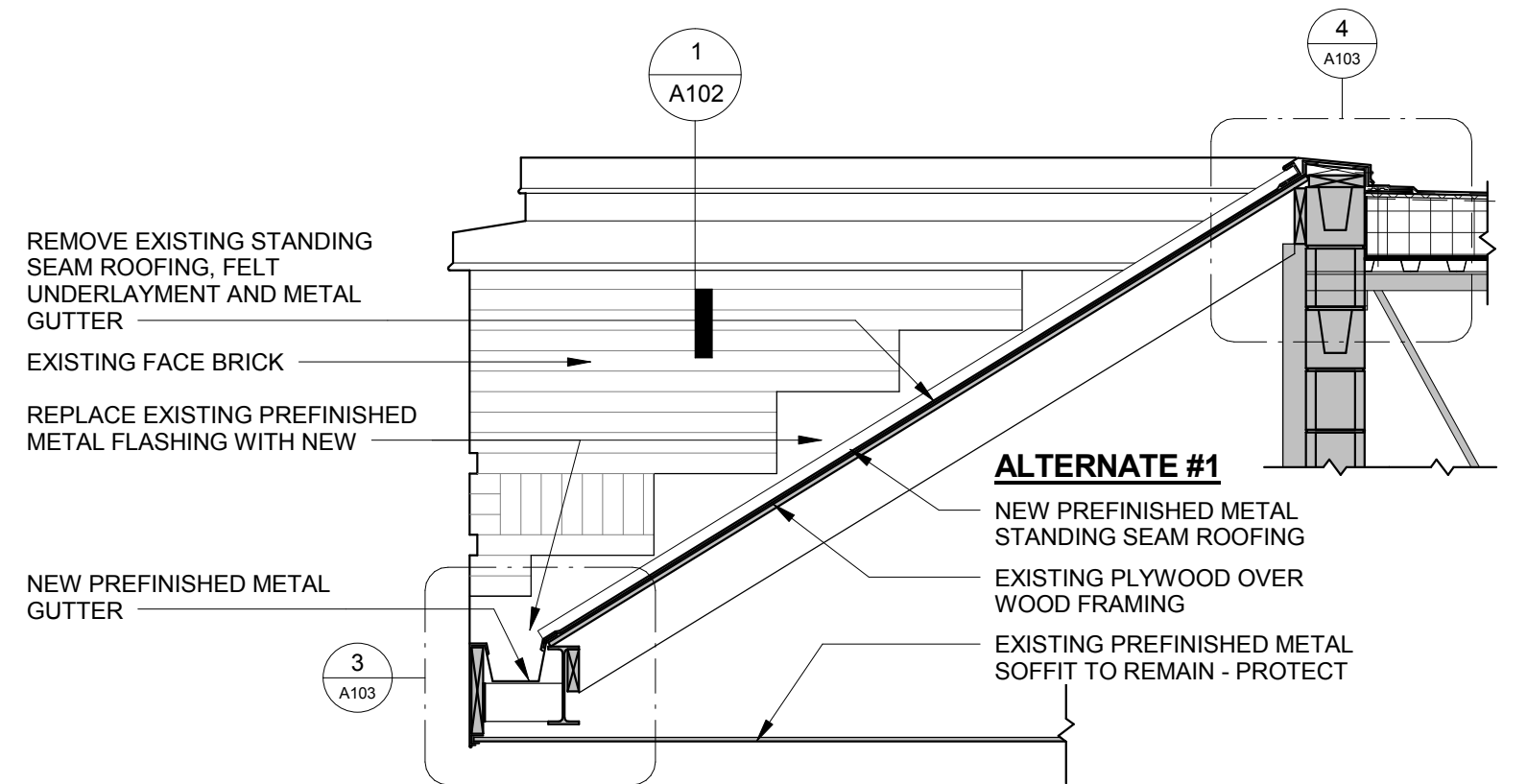
COMPLEX SIZE:

- ONE STORY WITH PARTIAL MECHANICAL/STORAGE BASEMENT
- TOTAL COMPLEX 16,636 G.S.F. (NOT INCLUDING BASEMENT & MECHANICAL MEZZANINE)

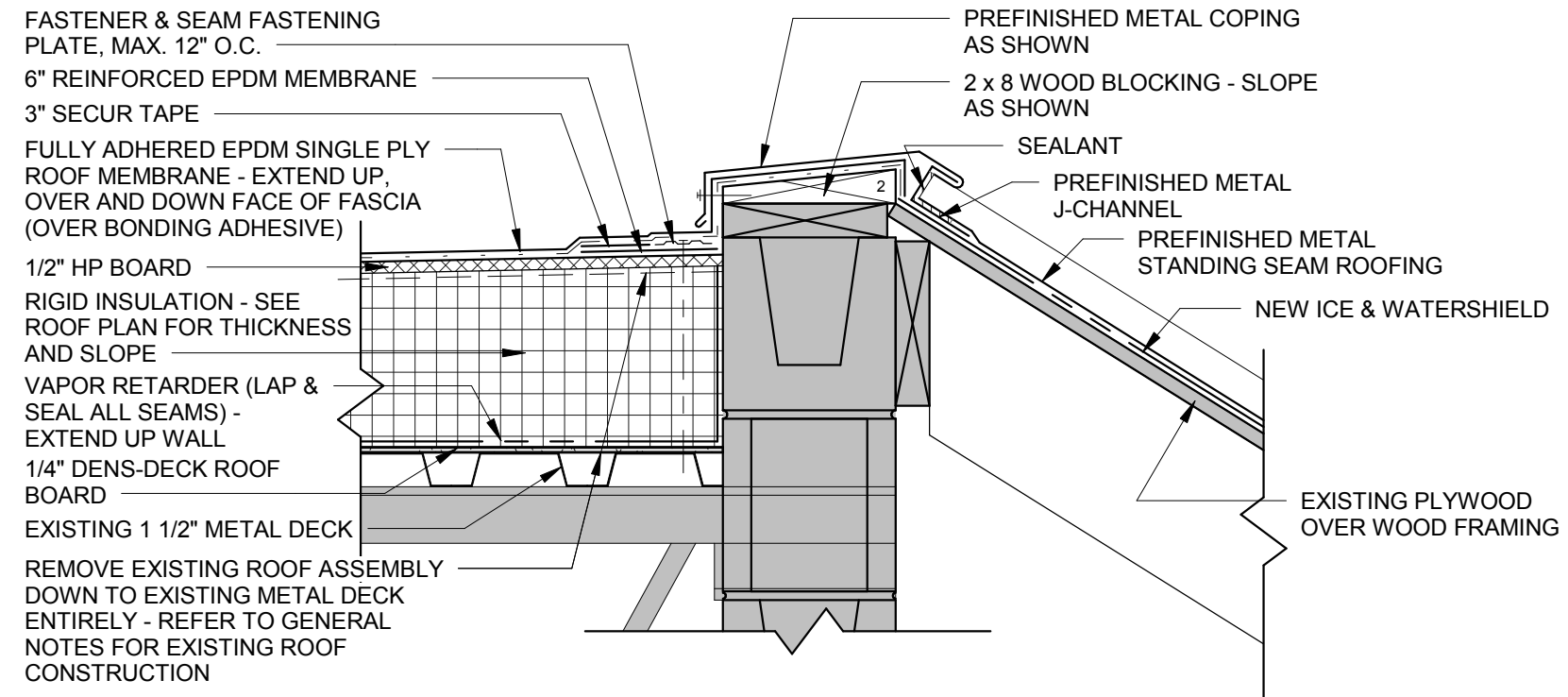
SENIOR CENTER	3835 G.S.F.
LIBRARY	5546 G.S.F.
FIRE HALL	5831 G.S.F.
COMMONS	1424 G.S.F.
BASEMENT MECH/STOR	1612 G.S.F.
MECH/MEZZANINE	742 G.S.F.

GENERAL NOTES:

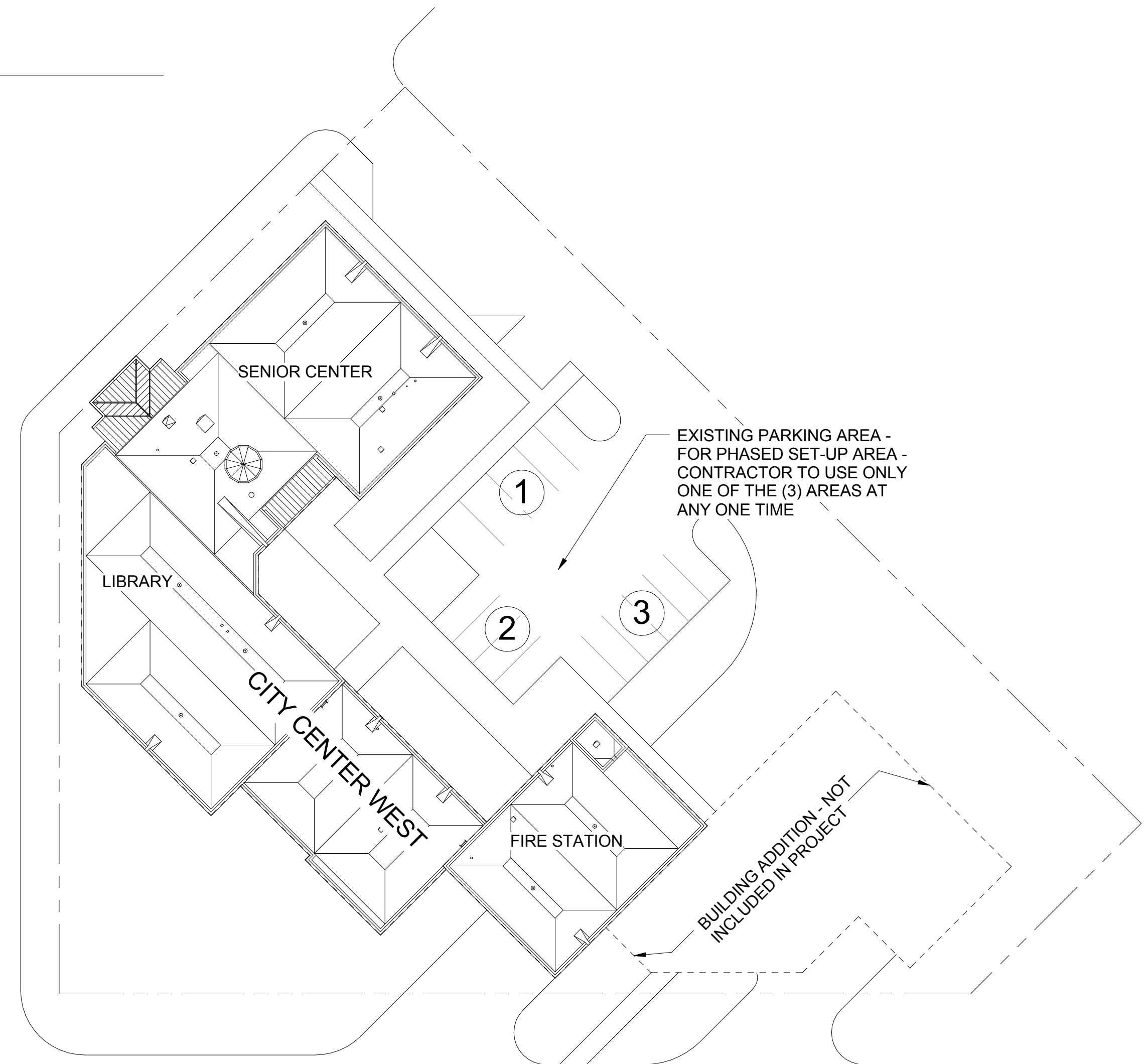
- NO OCCUPANCY OR AREA SEPARATION WALLS REQUIRED.
- BASEMENT MECH/STOR IS SPRINKLERED AND 1 HOUR SEPARATED FROM FIRST FLOOR ABOVE.
- FIRST FLOOR BUILDING NOT SPRINKLERED.
- NO AREA INCREASES OR BUILDING HEIGHT INCREASES WERE REQUIRED DUE TO LOCATION ON PROPERTY.



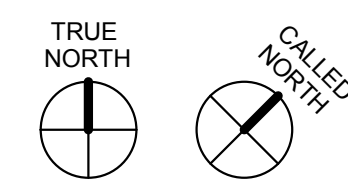
2 EAST CANOPY SECTION
1/2" = 1'-0"



4 SLOPED ROOF DETAIL
1 1/2" = 1'-0"



5 SITE PLAN
1" = 30'-0"



Revision Schedule			
Date	#	Description	By