



FEBRUARY 25, 2021

CITY OF BILLINGS
FIRE STATION #4
ROOF & SIDING REPLACEMENT PROJECT - REBID

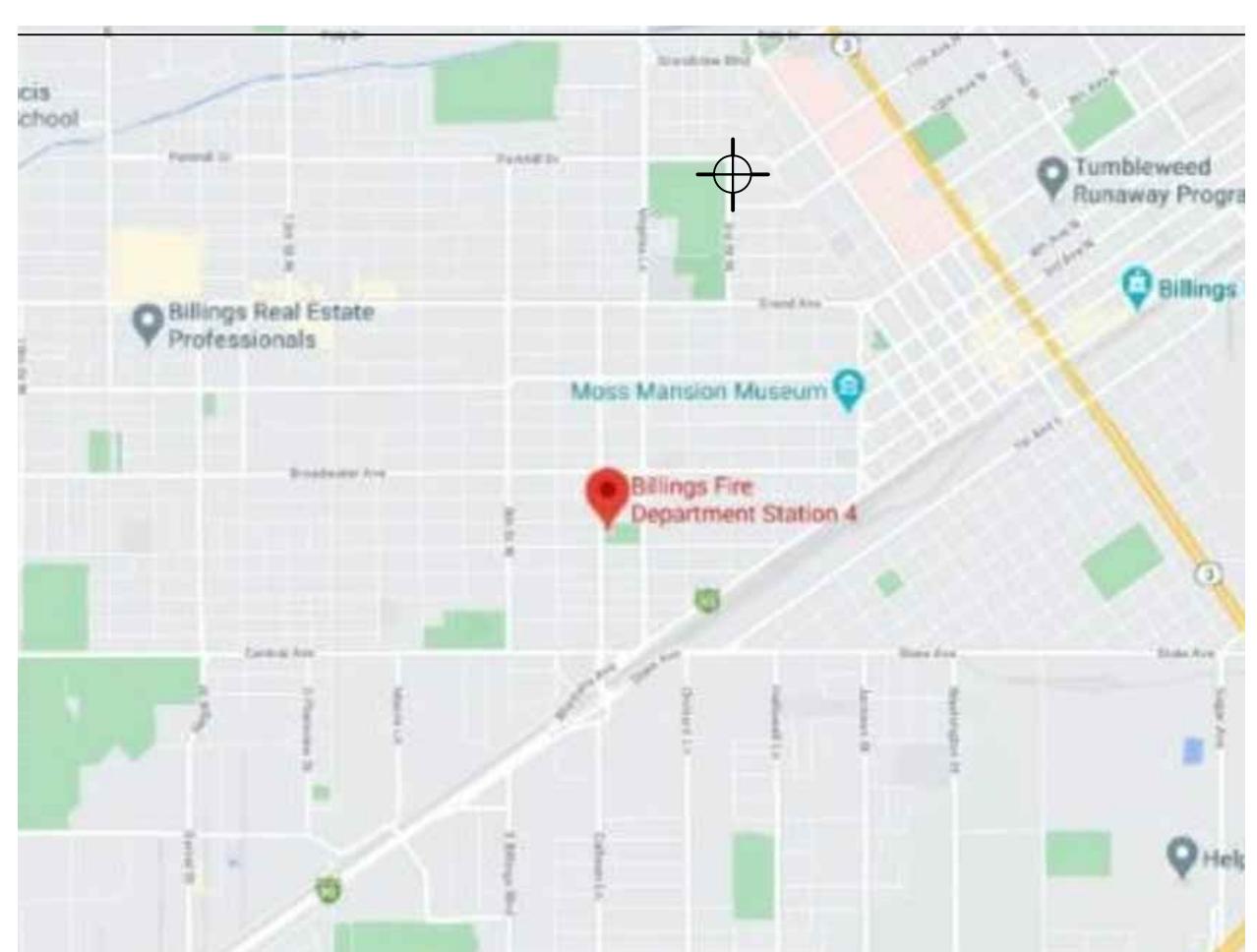
CONTRACTOR'S SCOPE

OWNER
CITY OF BILLINGS
210 N. 27th St.
Billings, MT. 59101

ARCHITECT/ENGINEER
Cushing Terrell
13 N. 23rd Street
Billings, MT 59101
406.248.7455

PROJECT LOCATION
475 6th Street
Billings, MT 59101

INITIAL MAP Locator



sheet index

GENERAL
G001 COVER SHEET

SIDING CONTRACTOR'S SCOPE OF WORK

A101 DEMOLITION ELEVATIONS
A102 REMODEL ELEVATIONS AND DETAILS

ROOFING CONTRACTOR'S SCOPE OF WORK

A103 EXISTING/NEW ROOF CONSTRUCTION, ROOF PLAN, GENERAL NOTES, & SUMMARY OF WORK
A104 ROOF DETAILS
A105 ROOF DETAILS
A106 ROOF DETAILS

NOTE: CITY OF BILLINGS IS BIDDING THE SIDING REPLACEMENT WORK SEPARATELY FROM THE ROOFING REPLACEMENT SCOPE OF WORK. REFER TO FOLLOWING SUMMARIES FOR EACH CONTRACTOR'S SCOPE OF WORK.

SIDING CONTRACTOR'S SCOPE OF WORK

Siding Summary - Removal of existing EIFS with new siding. The Project includes Siding Contractor.

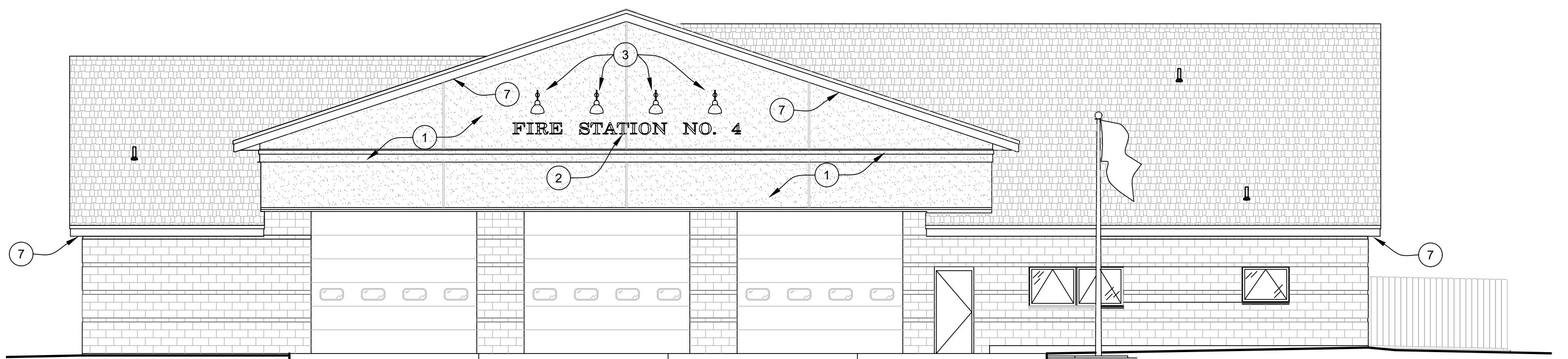
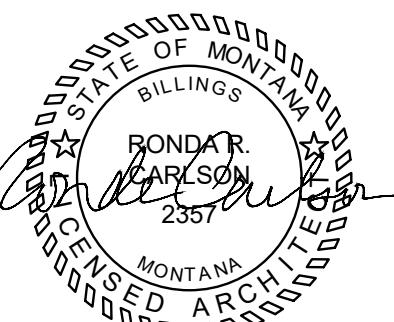
- a. Removal of existing EIFS with new siding. Includes CMU foundation.
- b. Removal of existing wood siding, glass fiber board siding, vinyl siding, and metal siding. Removal of roof, roof trusses, and roof deck. Removal of windows, doors, and trim.
- c. Removal of wood siding, glass fiber board siding, vinyl siding, and metal siding. Removal of windows, doors, and trim.
- d. Removal of wood siding, glass fiber board siding, vinyl siding, and metal siding. Removal of windows, doors, and trim. Removal of roof, roof trusses, and roof deck.
- e. Removal of wood siding, glass fiber board siding, vinyl siding, and metal siding. Removal of windows, doors, and trim.
- f. Removal of wood siding, glass fiber board siding, vinyl siding, and metal siding.
- g. Siding Contractor will coordinate with Roofing Contractor to remove roof, roof trusses, and roof deck during roof replacement.

ROOFING CONTRACTOR'S SCOPE OF WORK

Metal Roofing – Replacement of existing roof assemblies with new metal roofing. The project includes the Project's Siding and Roofing Contractor.

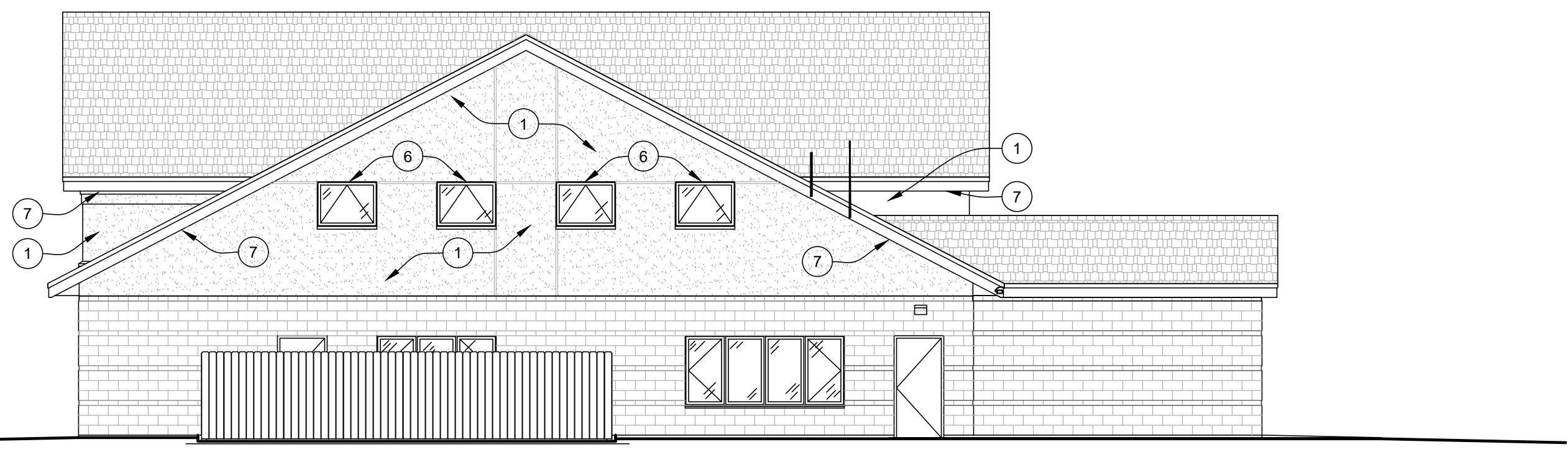
- a. Removal of existing metal roofing and roof deck. Removal of wood siding.
- b. Removal of existing metal roofing and roof deck. Removal of wood siding.
- c. Removal of existing metal roofing and roof deck. Removal of wood siding.
- d. Removal of existing metal roofing and roof deck. Removal of wood siding.
- e. Removal of existing metal roofing and roof deck. Removal of wood siding.
- f. Removal of existing metal roofing and roof deck. Removal of wood siding.
- g. Removal of existing metal roofing and roof deck. Removal of wood siding.





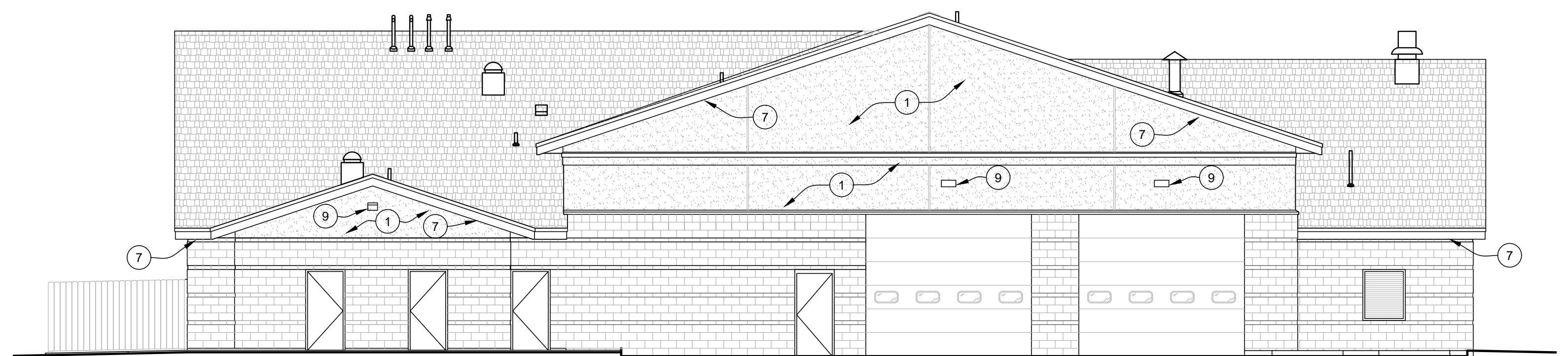
1 WEST DEMOLITION ELEVATION

SCALE = 1/8"=1'-0" ±



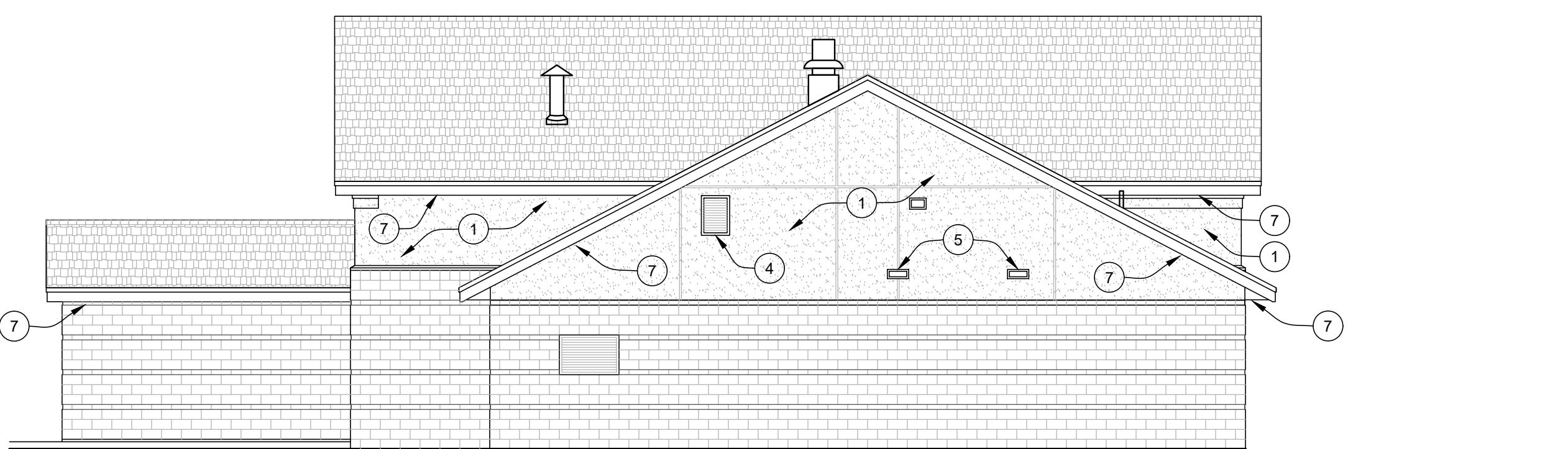
2 SOUTH DEMOLITION ELEVATION

SCALE = 1/8"=1'-0" ±



3 EAST DEMOLITION ELEVATION

SCALE = 1/8"=1'-0" ±



4 NORTH DEMOLITION ELEVATION

SCALE = 1/8"=1'-0" ±

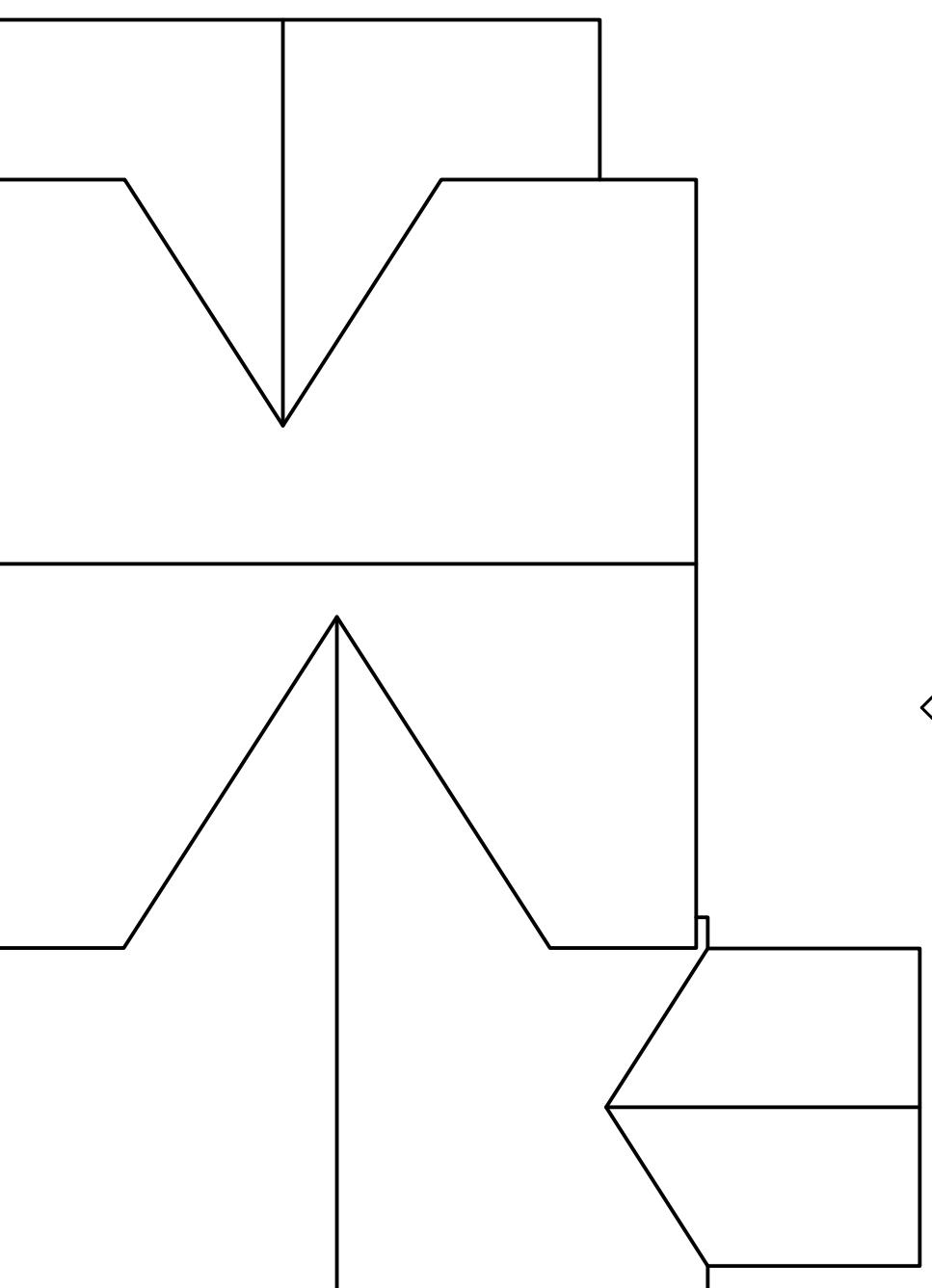
GENERAL DEMOLITION NOTES:

1. CONTRACTOR SHALL PROGRAM FIELD REVISIONS IN ORDER TO OBSERVE PROJECT CONDITIONS FOR THE REMOVAL AND INSTALL OF NEW DESIGN WORK. WORK NOT CLEARLY DEFINED AS REMOVAL SHALL BE BROUGHT TO THE ARCHITECT'S ATTN PRIOR TO REMOVAL.
2. CONTRACTOR IS TO MEET WITH OWNER TO COORDINATE ANY BRANCH TRIMMING AND OR LANDSCAPE PROTECTION PRIOR TO BEGINNING OF WORK.
3. PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES/FINISHES BY DEMOLITION OR CONSTRUCTION WORK. ADDITIONAL WORK CAUSED BY CONTRACTOR BEYOND THE SCOPE INDICATED WILL NOT BE ADDITIONAL COST TO OWNER.
4. REMOVE DEBRIS FROM THE SITE IMMEDIATELY UPON REMOVAL AND DISPOSE OF LEGALLY. THE BUILDING AND GROUNDS SHALL BE KEPT CLEAN AND FREE OF DEBRIS.
5. THE CONTRACTOR IS REQUIRED TO MEET WITH THE OWNER AND COORDINATE THE PROPOSED WORK SCHEDULE FOR BOTH REMOVAL PHASING AND REMODEL WORK AS SHOWN HEREIN.
6. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AIR BARRIERS BETWEEN CONSTRUCTION WORK AREAS AND FUNCTIONING FIRE STATION SPACES IF NECESSARY.

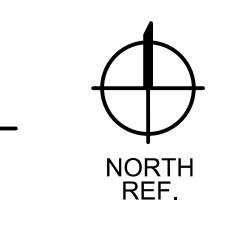
WALL SYSTEM DEMOLITION KEY NOTES:

REMOVAL OF THE BUILDING'S EXISTING EIFS WALL SYSTEM, WALL SYSTEM FLASHINGS, SOFFIT, FASCIA, GUTTER, DOWNSPOUTS AND ADDITIONAL WORK REFERENCED IN THE WALL SYSTEM DEMOLITION KEY NOTES BELOW WILL BE THE RESPONSIBILITY OF THE PROJECT'S SIDING CONTRACTOR AND IS TO BE INCLUDED IN THE SIDING REPLACEMENT PORTION OF THE BID.

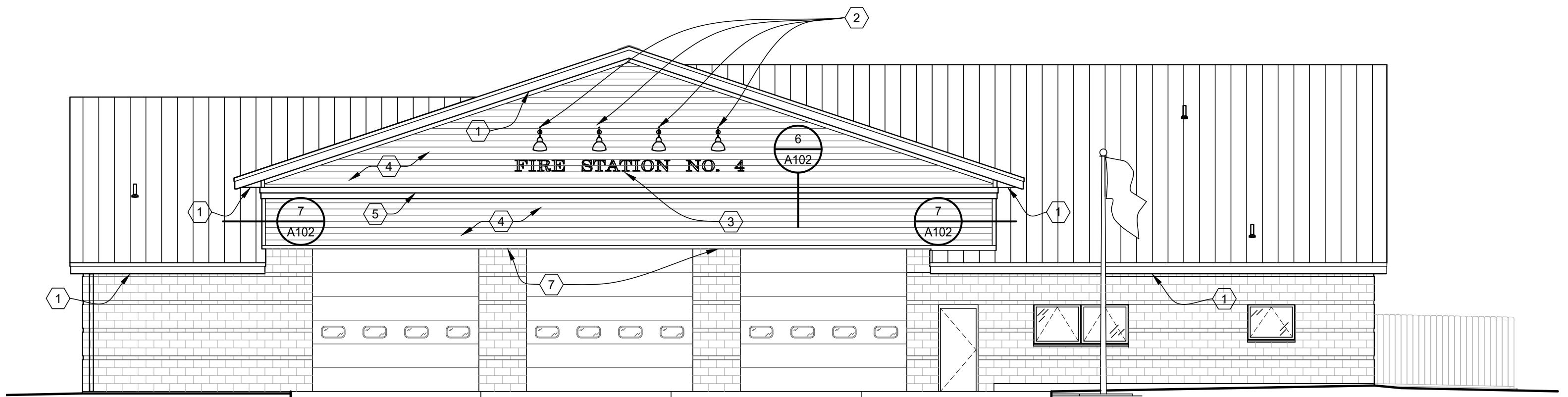
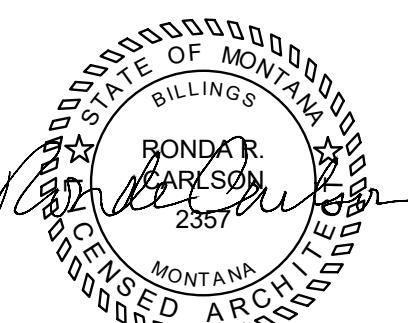
- 1 REMOVE EXISTING EIFS WALL ASSEMBLY IN ITS ENTIRETY, PREPARE SURFACES FOR NEW SIDING - REFER TO A102 FOR ABBREVIATED SUMMARY OF SIDING WORK.
- 2 TEMPORARILY REMOVE FIRE STATION SIGNAGE, SET ASIDE FOR RE-INSTALLATION AFTER SIDING HAS BEEN INSTALLED.
- 3 TEMPORARILY REMOVE WALL LIGHT, SET ASIDE FOR RE-INSTALLATION.
- 4 TEMPORARILY REMOVE LOUVER SET ASIDE FOR RE-INSTALLATION.
- 5 TEMPORARILY REMOVE VENT, SET ASIDE FOR RE-INSTALLATION.
- 6 EXISTING WINDOWS TO REMAIN, SEE DETAIL 5/A102.
- 7 REMOVE SOFFITS, FASCIA, GUTTERS AND DOWNSPOUTS IN THEIR ENTIRETY. REMOVE AND RETAIN EXISTING GUTTER HEAT TRACE SYSTEM FOR RE-INSTALLATION INTO NEW GUTTERS. REFER TO DETAILS 1/A104, 2/A104 & 5/A104 FOR INSTALLATION OF NEW SOFFIT.
- 8 NOT USED
- 9 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE.



KEY PLAN

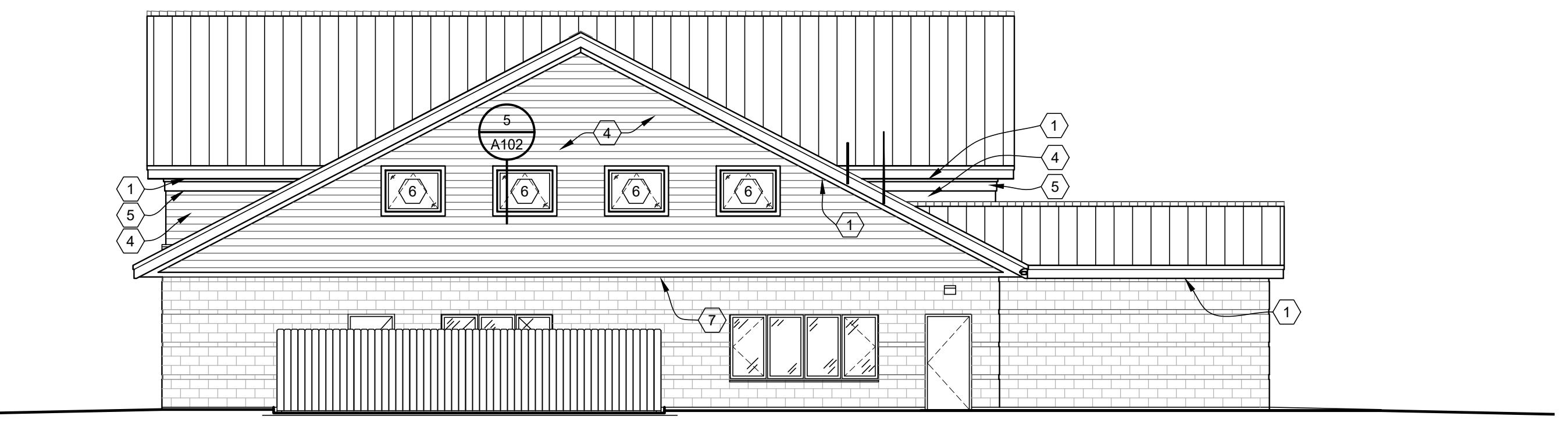


N.T.S.



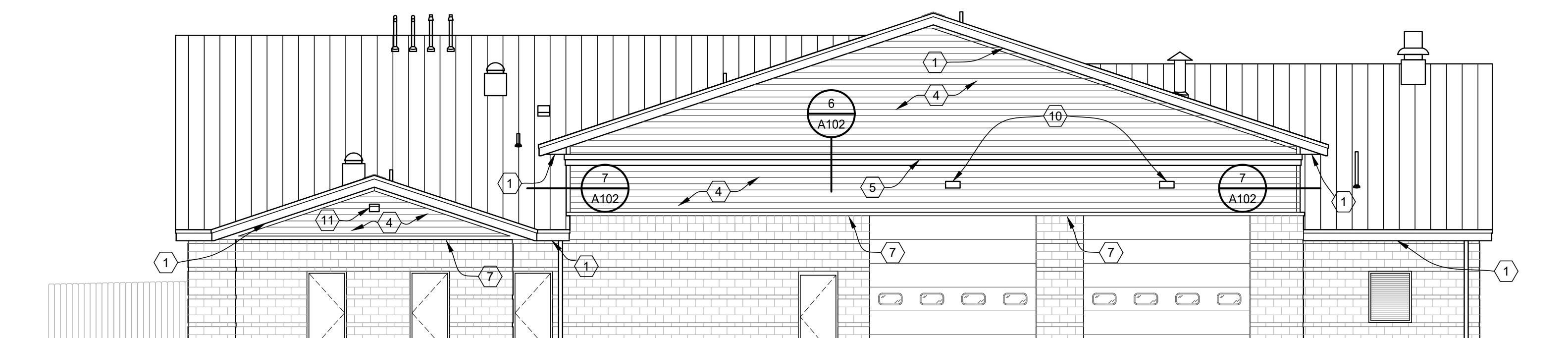
1 WEST REMODEL ELEVATION

SCALE = 1/8"=1'-0" ±



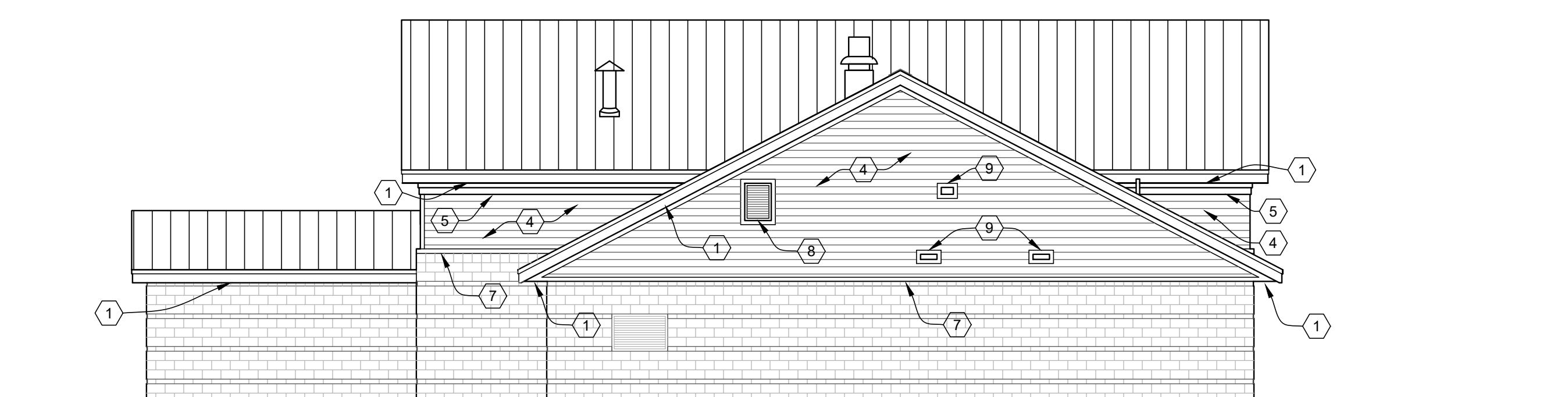
2 SOUTH REMODEL ELEVATION

SCALE = 1/8"=1'-0" ±



3 EAST REMODEL ELEVATION

SCALE = 1/8"=1'-0" ±



4 NORTH REMODEL ELEVATION

SCALE = 1/8"=1'-0" ±

ABBREVIATED SUMMARY OF SIDING WORK:

WITHOUT FORCE OR EFFECT ON THE CONTRACT DOCUMENTS, THE FOLLOWING ABBREVIATED SUMMARY OF WORK OUTLINES THE SIDING WORK INDICATED IN THE CONTRACT DOCUMENTS.

REPLACEMENT OF EXISTING EIFS WALL ASSEMBLIES TO BE THE RESPONSIBILITY OF THE PROJECT'S SIDING CONTRACTOR. ALL WORK REFERENCED BELOW IS TO BE INCLUDED IN THE SIDING PORTION OF THE PROJECT'S BID.

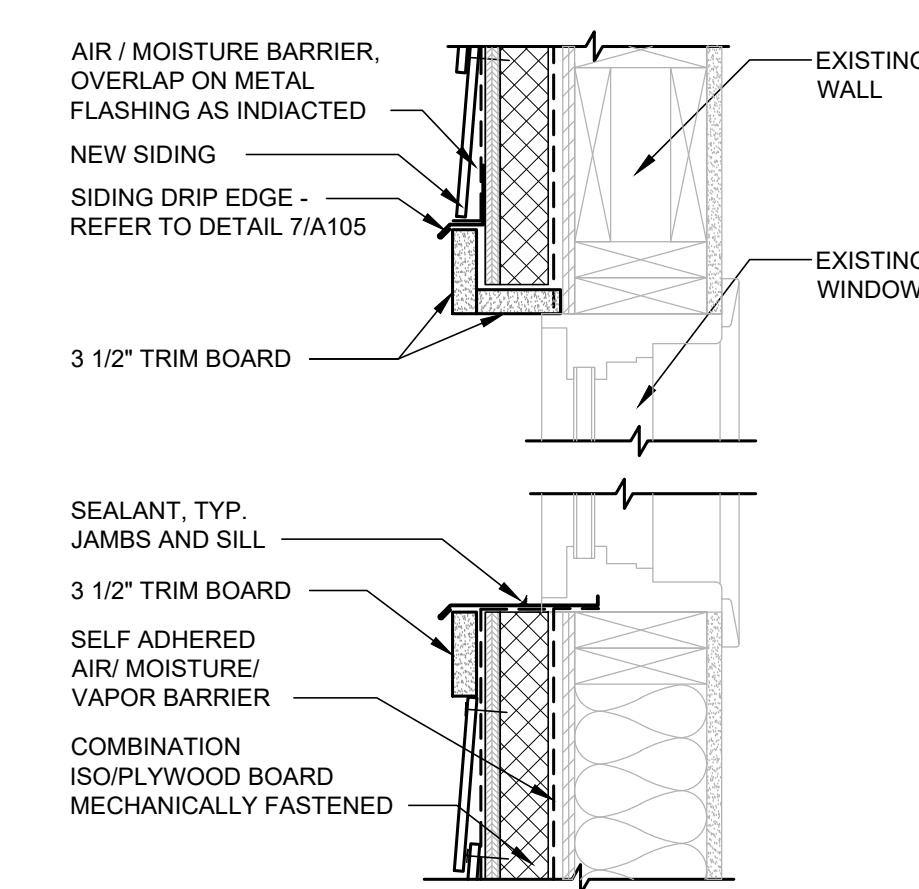
1. REMOVE EXISTING EIFS WALL ASSEMBLIES DOWN TO EXISTING PLYWOOD AND CMU SUBSTRATES.
2. REMOVE EXISTING WALL SIGNAGE, LIGHTING AND OTHER WALL MOUNTED EQUIPMENT, RETAINING FOR RE-INSTALLATION AND PROVIDING NEW AS REQUIRED TO INSTALL NEW WALL FINISHES.
3. PROVIDE NEW SELF ADHERED AIR/MOISTURE/VP BARRIER, COMBINATION POLYISOCYANURATE/PLYWOOD WALL BOARD, AIR/MOISTURE BARRIER AND FIBER CEMENT LAP SIDING AT INDICATED WALL AREAS.
4. PROVIDE NEW SOFFIT J-TRIM, METAL SOFFIT PANEL, SIDING DRIP FLASHINGS AND OTHER FLASHINGS AS REQUIRED FOR A COMPLETE SYSTEM.
5. PROVIDE EDGE AND CORNER TRIM BOARDS AS INDICATED FOR A COMPLETE SYSTEM.

SIDING CONTRACTOR IS TO COORDINATE WITH PROJECT'S ROOFING CONTRACTOR AT AREAS OF THE PROJECT WHERE SIDING AND ROOFING WORK INTERFACE IN ORDER TO PROVIDE A COMPLETE ROOF AND SIDING SYSTEM.

SIDING AND SOFFIT REMODEL KEY NOTES:

INSTALLATION OF THE BUILDING'S NEW SIDING, SIDING TRIM BOARDS, AIR/MOISTURE BARRIER, COMBINATION ISO/PLYWOOD BOARD, AIR/MOISTURE/VP BARRIER, SOFFITS, AND ADDITIONAL WORK REFERENCED IN THE SIDING AND SOFFIT REMODEL KEY NOTES BELOW WILL BE THE RESPONSIBILITY OF THE PROJECT'S SIDING CONTRACTOR AND IS TO BE INCLUDED IN THE SIDING REPLACEMENT PORTION OF THE BID.

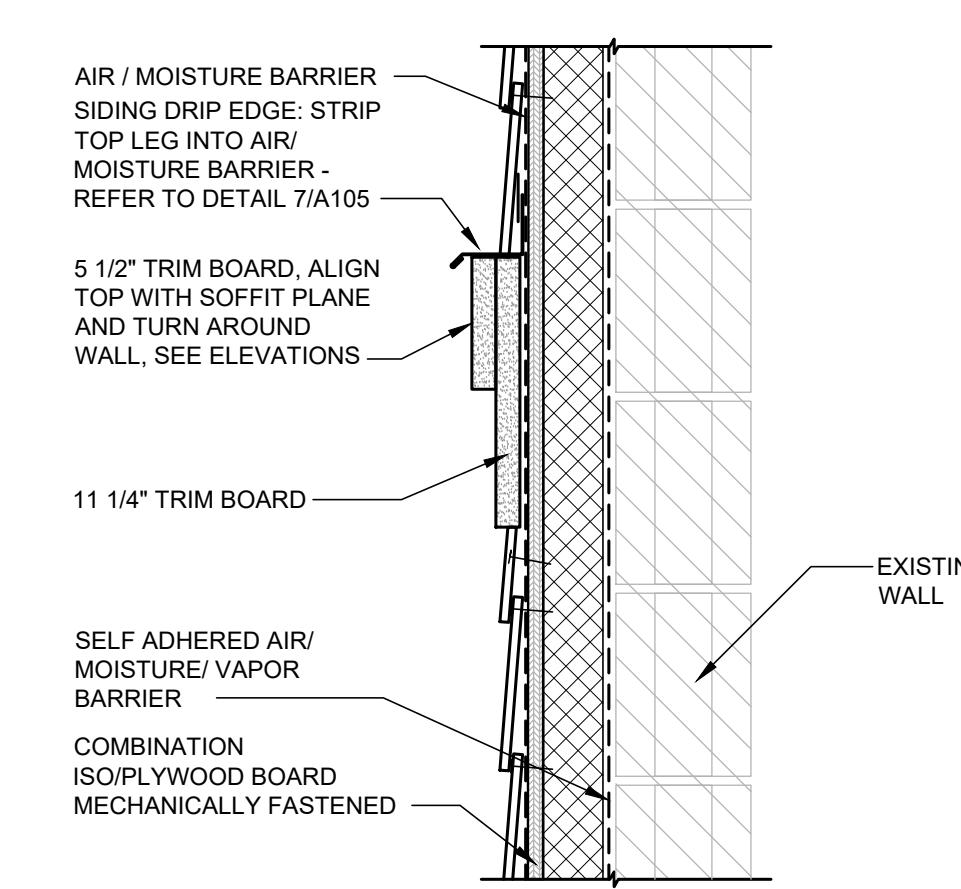
- ① INSTALL NEW SOFFIT J-TRIM AND SOFFIT - REFER TO DETAILS 1/A104, 2/A104 AND 5/A104 FOR INSTALLATION OF NEW SOFFIT.
- ② RE-INSTALL LIGHT FIXTURES.
- ③ RE-INSTALL FIRE STATION LETTERING.
- ④ NEW AIR/MOISTURE/VP BARRIER, COMBINATION ISO/PLYWOOD BOARD, AIR MOISTURE BARRIER AND LAP SIDING THROUGHOUT AREAS OF REMOVED EIFS.
- ⑤ NEW ACCENT BAND, TURN AROUND CORNER AND EXTEND TO SLOPED ROOF, SEE 6/A102.
- ⑥ INSTALL NEW TRIM AROUND ALL SIDES OF EXISTING WINDOWS, SEE 5/A102.
- ⑦ REFER TO DETAIL 5/A104 FOR TRANSITION OF NEW SIDING TO EXISTING BRICK.
- ⑧ RE-INSTALL LOUVER AND INSTALL NEW TRIM AROUND ALL SIDES, SEE 5/A102.
- ⑨ RE-INSTALL VENT.
- ⑩ DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. PROVIDE LITHONIA #DSXW1 LED-20C-1000-40K-T4M-MVOLT-PE-DBLXD. CONNECT TO EXISTING CIRCUIT.



5 WINDOW DETAIL
A102

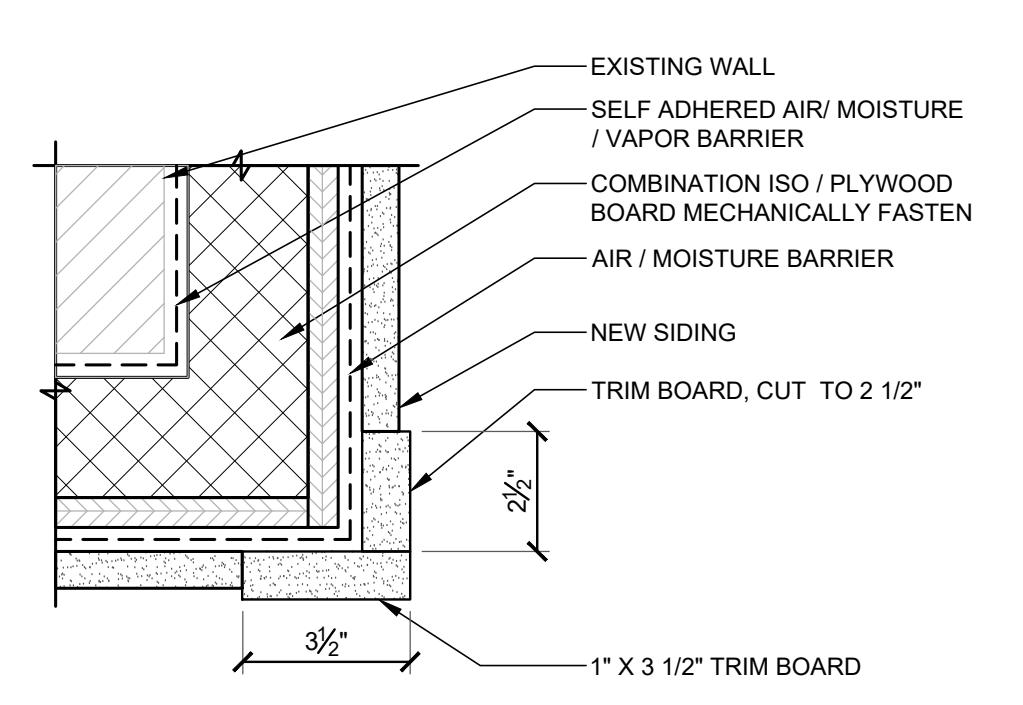
HEAD AND SILL; JAMB SIMILAR

SCALE = 1 1/2"=1'-0"



6 REVEAL DETAIL
A102

SCALE = 1 1/2"=1'-0"



7 OUTSIDE CORNER DETAIL
A102

SCALE = 3"=1'-0"

ROOF & SIDING REPAIR AGREEMENT - REBID

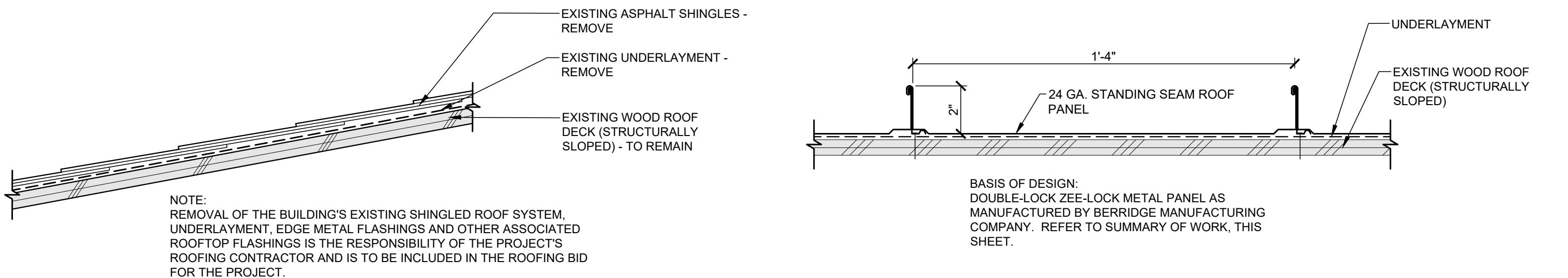


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CONSTRUCTION DOCUMENT

02.25.2021
PROJECT #| COBFIRE4_RR
DRAWN BY | GAUER
CHECKED BY | CARLSON
REVISIONS
APPENDUM #1 02.04.2021

EXISTING/NEW ROOF CONSTRUCTION, ROOF PLAN, GENERAL NOTES, & SUMMARY OF WORK

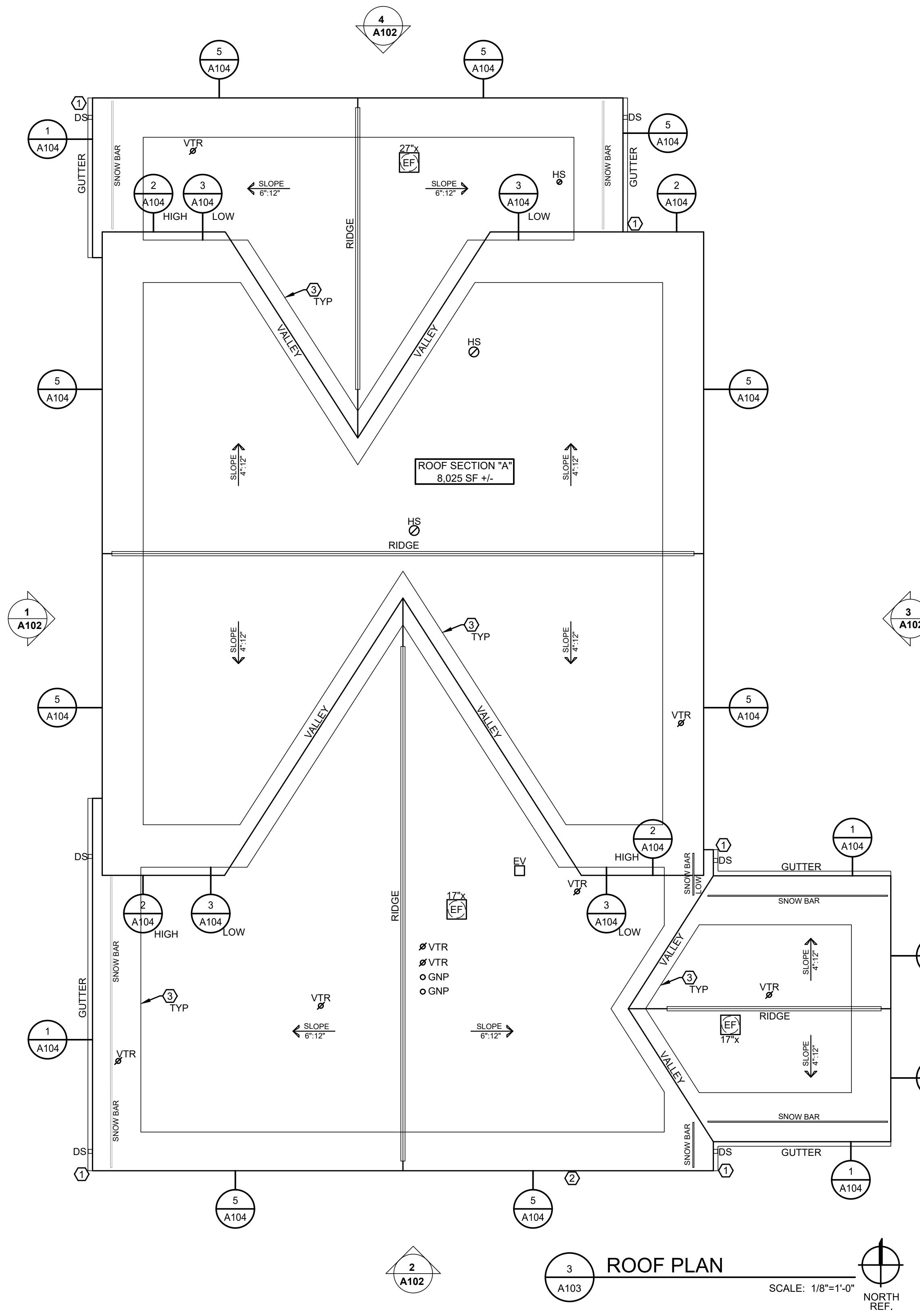


1 EXISTING ROOF CONSTRUCT

SCALE = 3"=1'-0"

2 NEW ROOF CONSTRUCTION - BASE BID

CAL E = 3" = 1'-0"



3 ROOF PLATE

NORTH
REF.

ROOF PLAN NOTE(S)

INSTALLATION OF THE BUILDING'S NEW ROOF SYSTEM, ROOF UNDERLayment, VENTED RIDGE ASSEMBLY, EDGE METAL, FASCIA METAL, GUTTER, DOWNSPOUTS, SNOW BAR AND ADDITIONAL WORK REFERENCED IN THE ROOF PLAN NOTES BELOW WILL BE THE RESPONSIBILITY OF THE PROJECT'S ROOFING CONTRACTOR AND IS TO BE INCLUDED IN THE ROOF REPLACEMENT PORTION OF THE BID.

- ① REMOVE AND RETAIN EXISTING GUTTER HEAT TRACE SYSTEM AS REQUIRED TO RE-INSTALL THROUGH NEW GUTTER AND DOWNSPOUT(S).
- ② REMOVE AND RE-INSTALL EXISTING ANTENNAS AS REQUIRED TO INSTALL NEW FASCIA. COORDINATE PROPER FUNCTION OF ANTENNAS W/ BUILDING PERSONNEL AFTER RE-INSTALL.
- ③ AREA OF HIGH TEMPERATURE ICE AND WATER SHIELD INSTALLED AT EAVES, VALLEYS, RISING WALLS AND CURBS

SYMBOLS | FIGURES

HS Ø	HOT STACK VENT PIPE THRU ROOF W/ PIPE JACK - REFER TO DETAIL 3/A105 FOR SIM
GNP Ø	GOOSE NECK PIPE THRU ROOF W/ PIPE JACK (SIZE VARIES) - REFER TO DETAIL 3/A105 FOR SIM
VTR Ø	PLUMBING VENT THRU ROOF - CONTRACTOR TO VERIFY SIZES & QUANTITIES IN THE FIELD. REFER TO DETAIL 3/A105
	EXHAUST FAN - FLASH CURB PER DETAILS ON SHEET A106
<u>GUTTER DS</u>	GUTTER W/ DOWNSPOUT - REFER TO DETAIL 1/A104
	ROOF EDGE/RAKE/RISING WALL - REFER TO DETAILS 2/A104, 3/A104 AND 5/A104
	ROOF SLOPE RIDGE LINE - REFER TO DETAIL 1/A105
<u>SNOW BAR</u>	SNOW RETENTION BAR - REFER TO DETAIL 8/A105
<u>VALLEY</u>	ROOF SLOPE VALLEY LINE - REFER TO DETAIL 2/A105
	DIRECTION OF FINISHED ROOF SLOPE FROM SLOPING STRUCTURE
	ROOF PLAN NOTE
<u>SECTION " "</u> ## SF +/	ROOF AREA DESIGNATION TAG: SF IS APPROXIMATE - FIELD VERIFY

ABBREVIATED SUMMARY OF ROOFING WORK:

WITHOUT FORCE OR EFFECT ON THE CONTRACT DOCUMENTS, THE FOLLOWING ABBREVIATED SUMMARY OF WORK OUTLINES THE ROOFING WORK INDICATED IN THE CONTRACT DOCUMENTS.

REPLACEMENT OF THE EXISTING ROOF ASSEMBLIES TO BE THE
RESPONSIBILITY OF THE PROJECT'S ROOFING CONTRACTOR. ALL WORK
REFERENCED BELOW IS TO BE INCLUDED IN THE ROOFING PORTION OF
THE PROJECT'S BID.

1. REMOVE EXISTING ASPHALT SHINGLE ROOFING SYSTEM AND UNDERLayment DOWN TO EXISTING PLYWOOD SUBSTRATE.
2. PROVIDE AND INSTALL NEW METAL ERA HI-PERF RIDGE VENT AT RIDGES AS INDICATED.
3. PROVIDE AND INSTALL NEW HIGH TEMPERATURE ICE AND WATER SHIELD AT RIDGES, VALLEYS, VERTICAL WALLS AND EAVES.
4. PROVIDE AND INSTALL NEW SYNTHETIC UNDERLayment OVER REMAINING ROOF AREAS.
5. PROVIDE AND INSTALL ALL EDGE, FASCIA METAL, ROOF COUNTERFLASHINGS, ZEE CLOSURES, AND ALL RELATED COMPONENTS OF THE ROOF SYSTEM AS NEEDED TO FORM COMPLETE SYSTEM.
6. COLORS AS SELECTED BY OWNER/ARCHITECT.

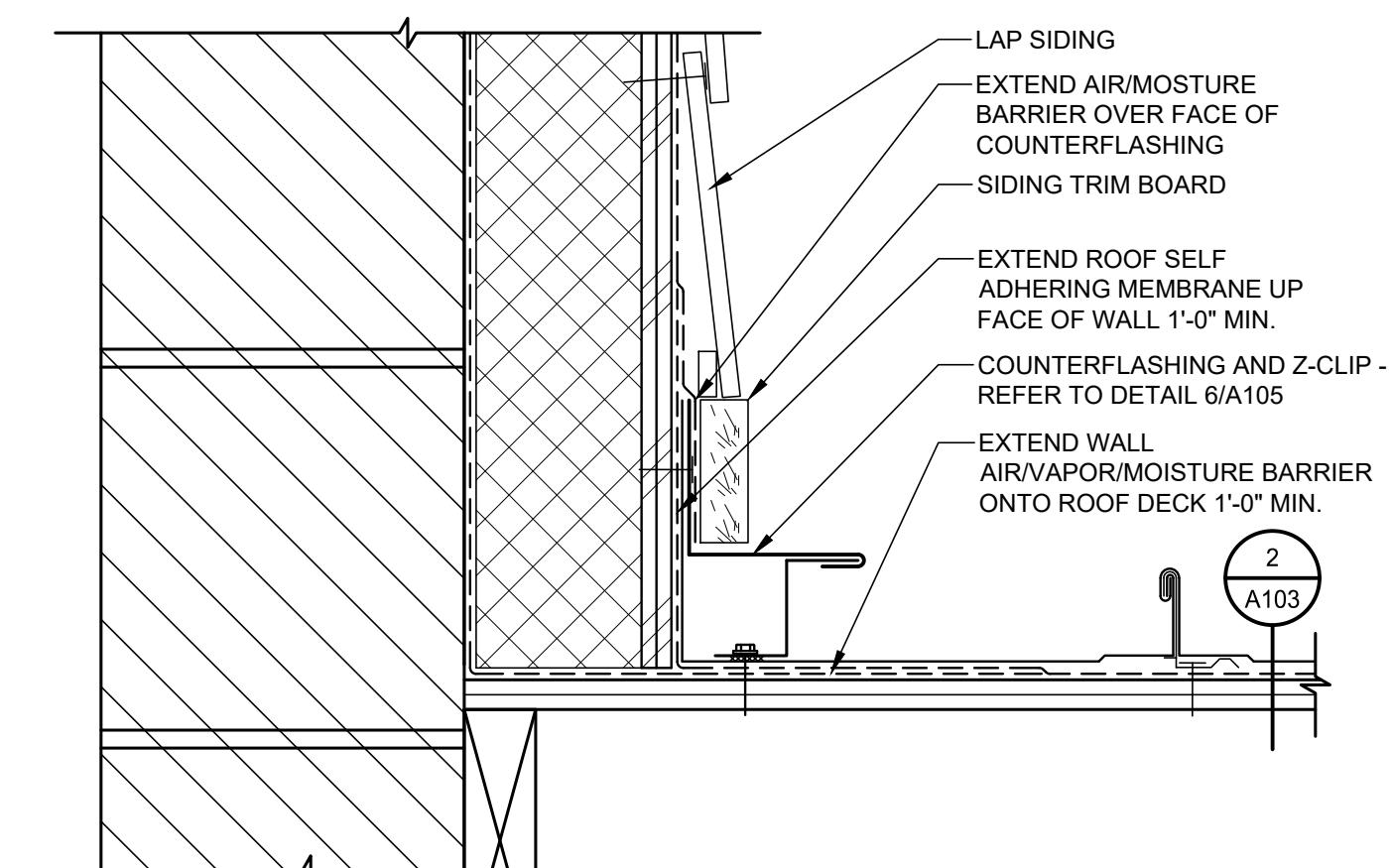
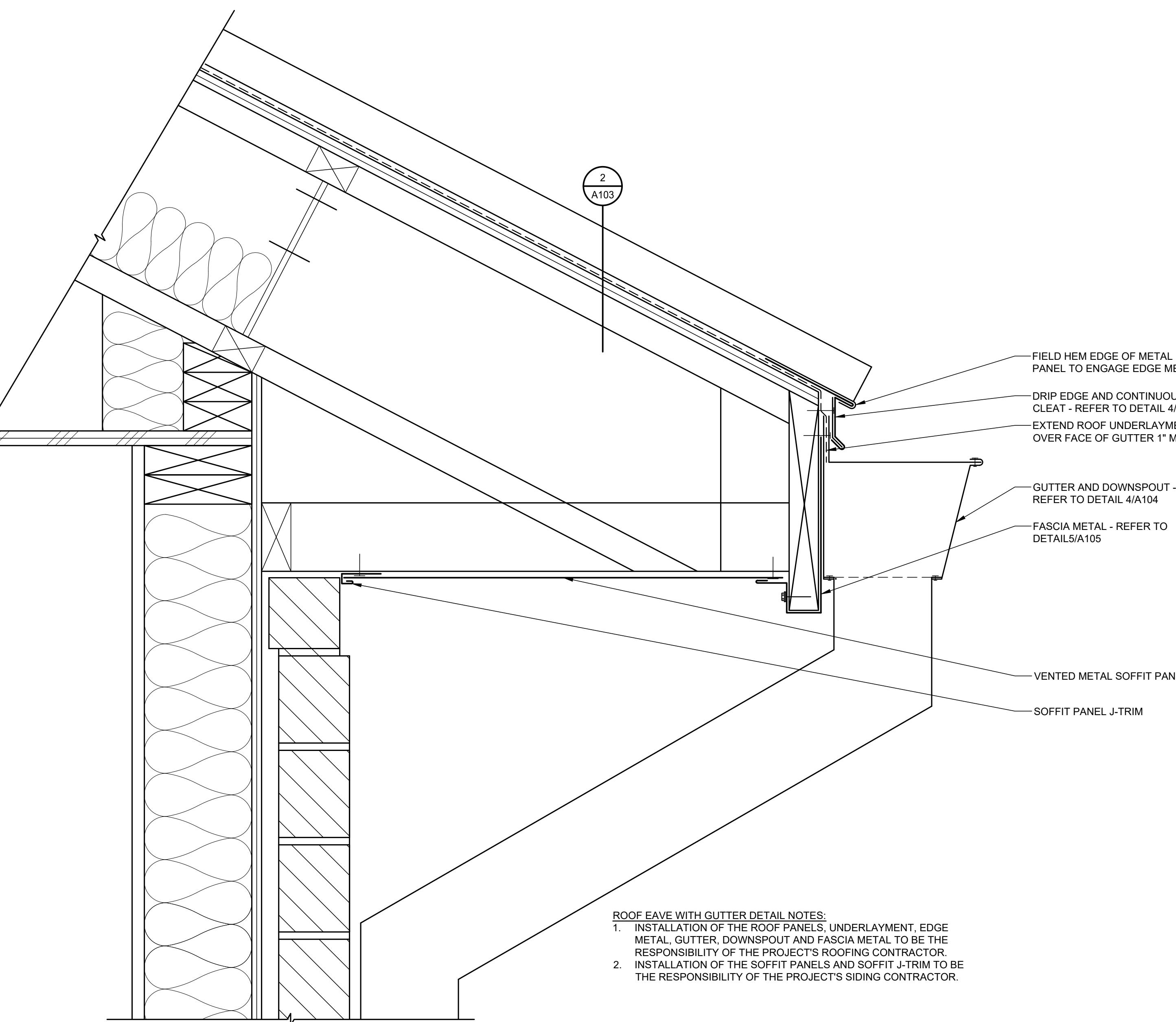
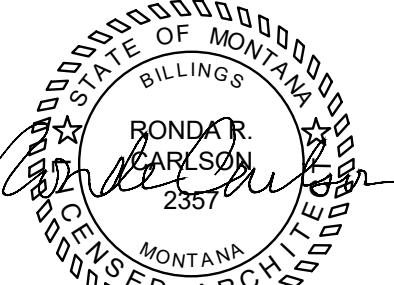
ROOFING CONTRACTOR IS TO COORDINATE WITH THE PROJECT'S SIDING CONTRACTOR AT AREAS OF THE PROJECT WHERE SIDING AND ROOFING WORK INTERFACE IN ORDER TO PROVIDE A COMPLETE ROOF AND SIDING SYSTEM.

- B. SHEET METAL AND AIR CONDITIONING NATIONAL CONTRACTORS ASSOCIATION (SMACNA) - "ARCHITECTURAL SHEET METAL MANUAL, FIFTH EDITION".
- C. 2018 INTERNATIONAL BUILDING CODE.
- D. 2018 UNIFORM PLUMBING CODE.
- E. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - SEI/ASCE 7-16: "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" (REVISION OF SEI/ ASCE 7-10).
- F. MATERIAL MANUFACTURERS MOST RECENT PRINTED SPECIFICATIONS AND INSTALLATION DETAILS.

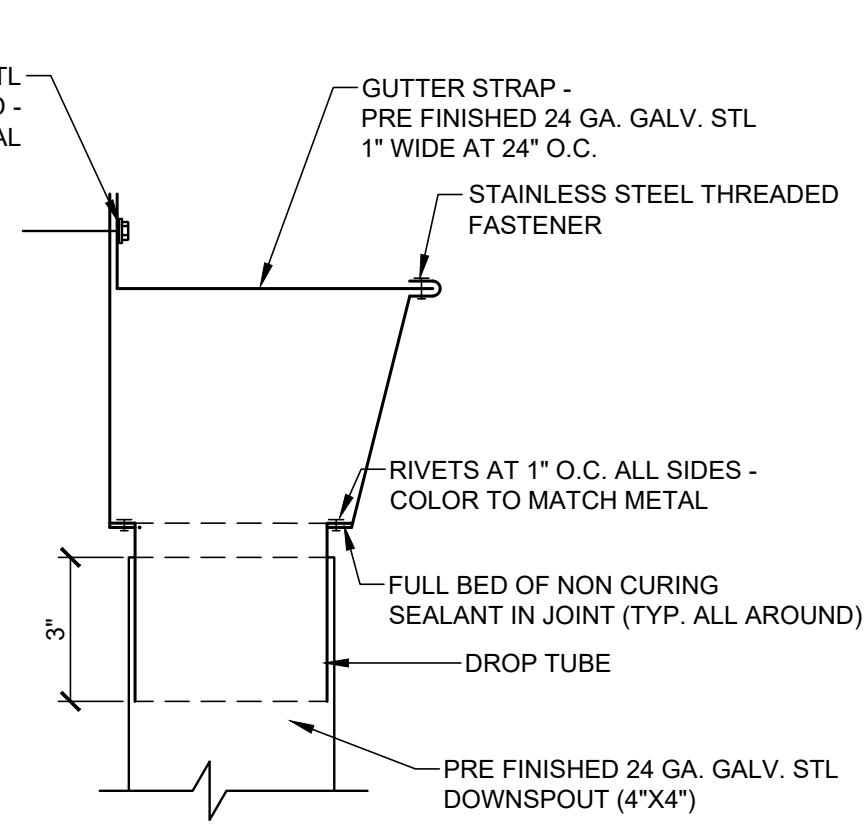
2. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL PROVIDE AND INSTALL PROTECTION OVER, UNDER AND/OR AROUND ALL EXISTING SERVICES LINES, BUILDING COMPONENTS, SIDEWALKS, PAVEMENT AND LANDSCAPING WHICH COULD BE DAMAGED OR SOILED WHILE PERFORMING WORK OF THE CONTRACT.
3. DETAILS IN THE PROJECT DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT:
 - A. DETAILS NOTED ARE "TYPICAL" AND IMPLY ALL SIMILAR CONDITIONS TREATED SIMILARLY. MODIFICATIONS TO MADE BY THE CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS WITHOUT ADDITIONAL COST TO THE OWNER.
4. IN NO CASE SHALL CONSTRUCTION RELATED WORK BE DONE, OVER, OR CONSTRUCTION RELATED TRAFFIC BE ROUTED OVER FINISHED ROOF AREAS WITHOUT PROTECTION BEING PLACED OVER ROOF MEMBRANE. PROTECTION SHALL CONSIST OF THE FOLLOWING (BOTTOM TO TOP).
 - A. 1-INCH EXPANDED POLYSTYRENE
 - B. 10-MIL POLYETHYLENE
 - C. 1/2" PLYWOOD
 - D. WEIGH DOWN ALL PROTECTION MATERIALS TO PREVENT DISPLACEMENT BY WIND.

NOTE: ROOF AREAS THAT HAVE NOT BEEN PROTECTED FROM CONSTRUCTION RELATED TRAFFIC AS SPECIFIED ABOVE SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

5. PROVIDE CRICKETS ON THE UP SLOPE SIDE OF ALL ROOF CURBS AS REQUIRED FOR DRAINAGE.
6. FIELD VERIFY ALL DIMENSIONS.

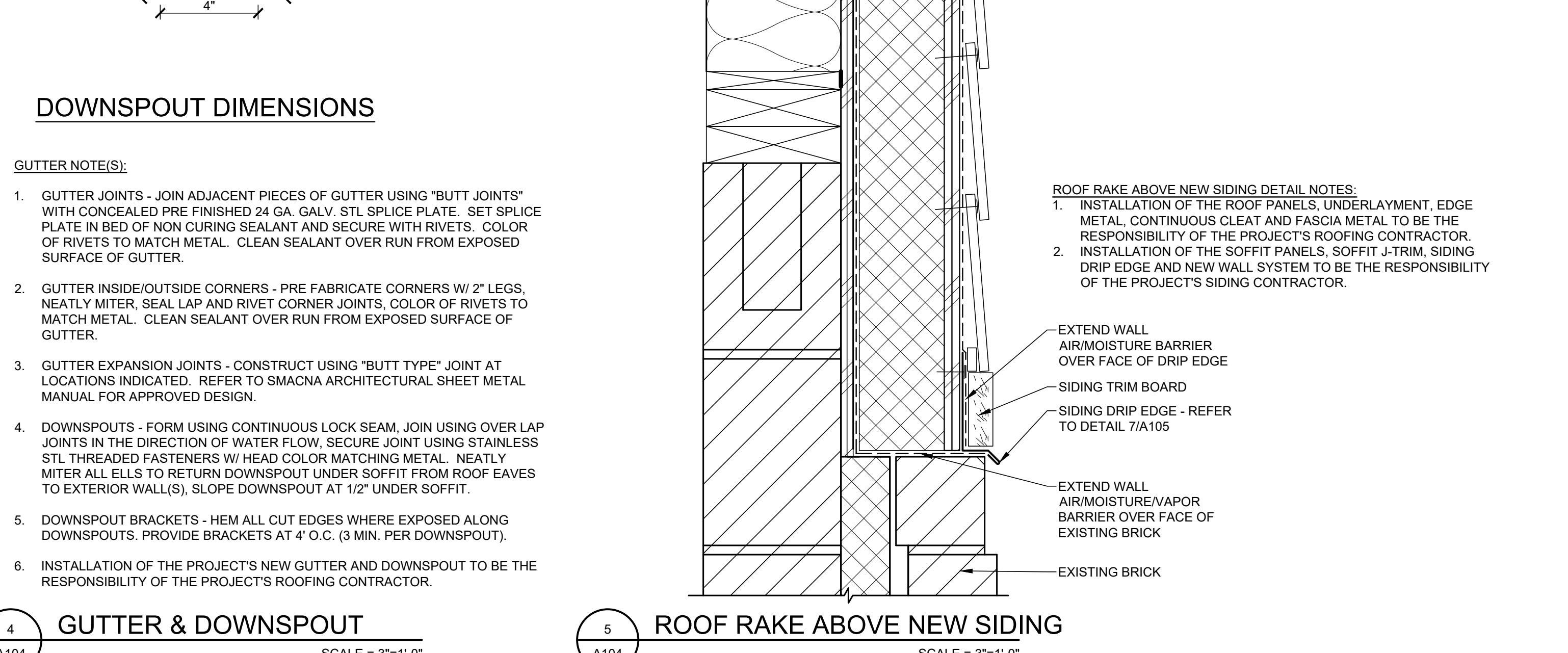
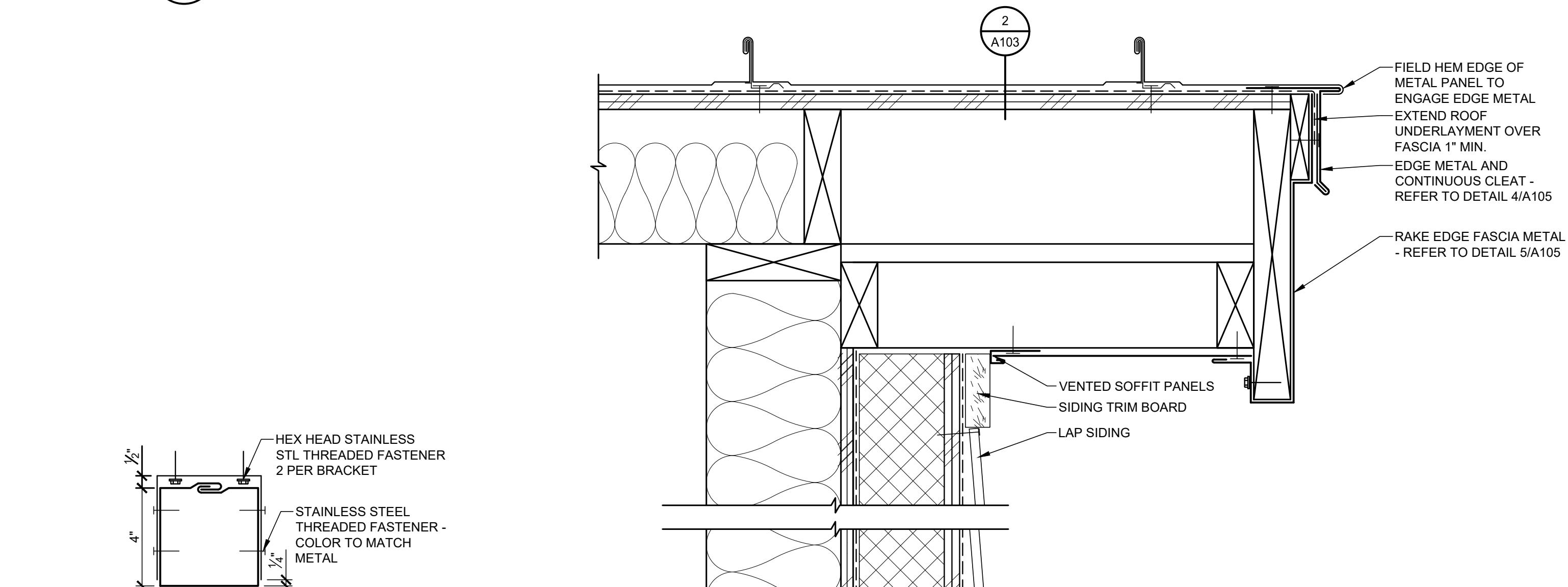
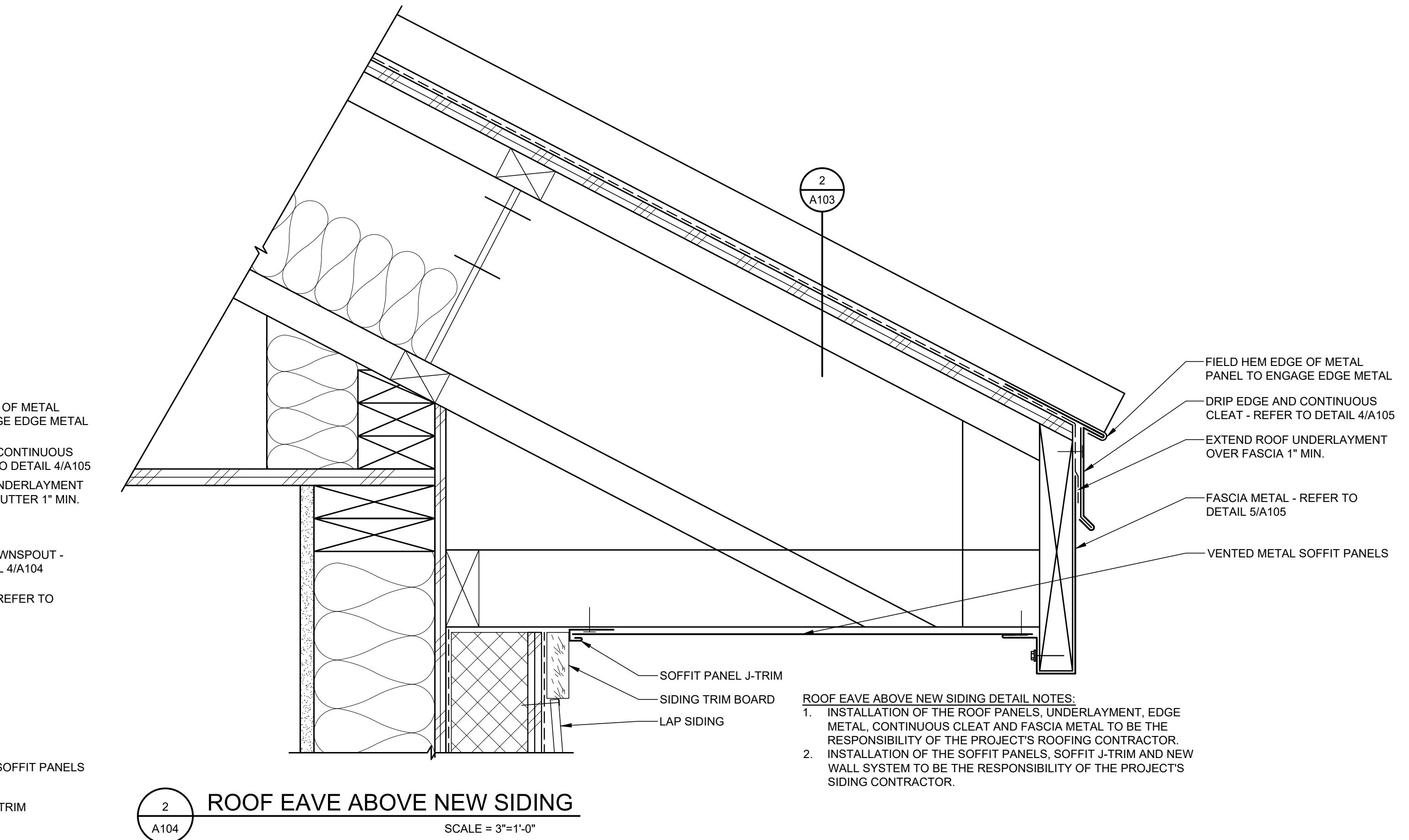


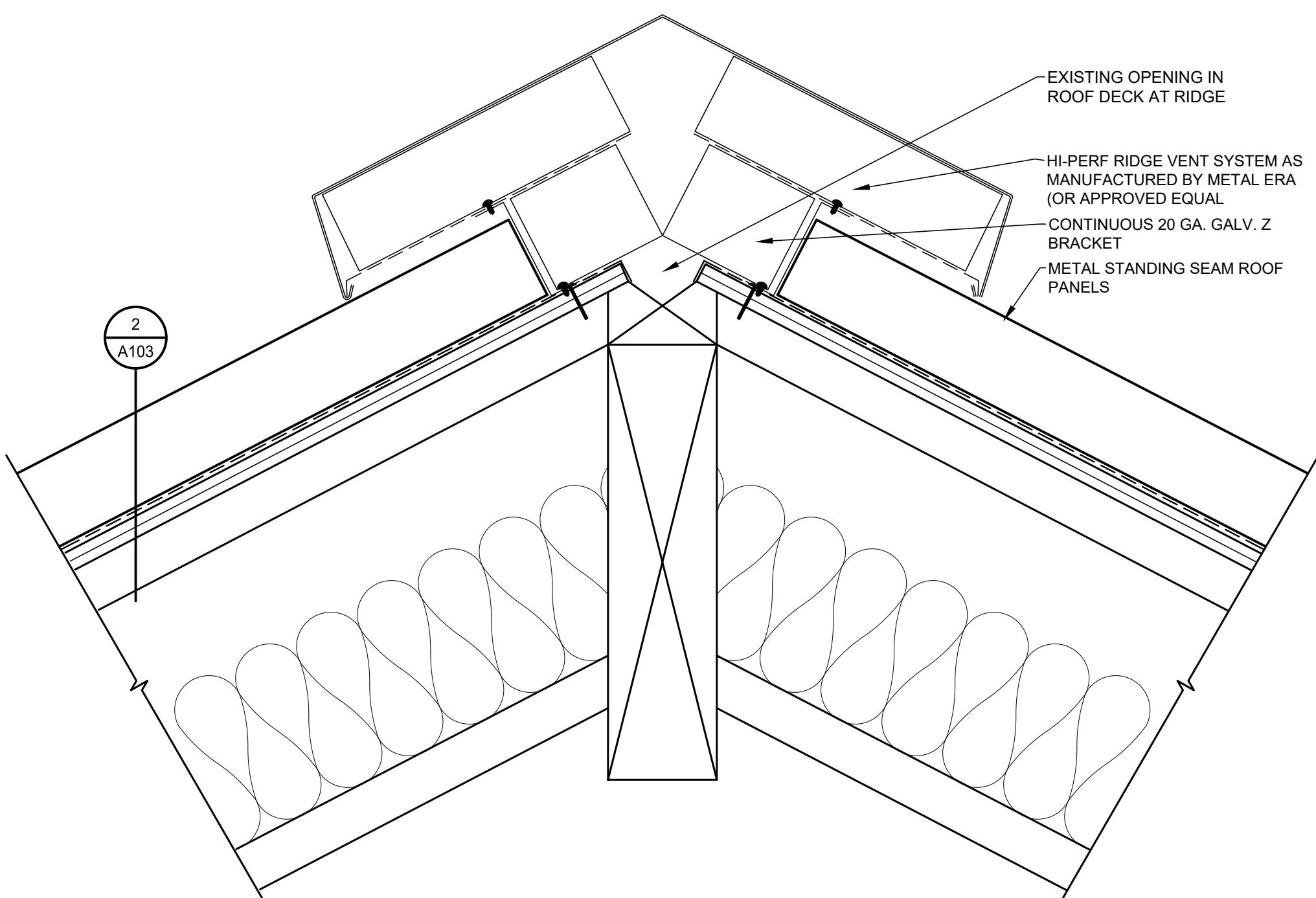
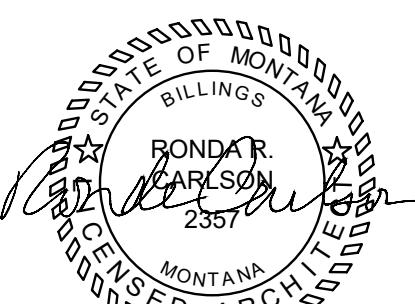
GUTTER DIMENSIONS



GUTTER & DOWNSPOUT

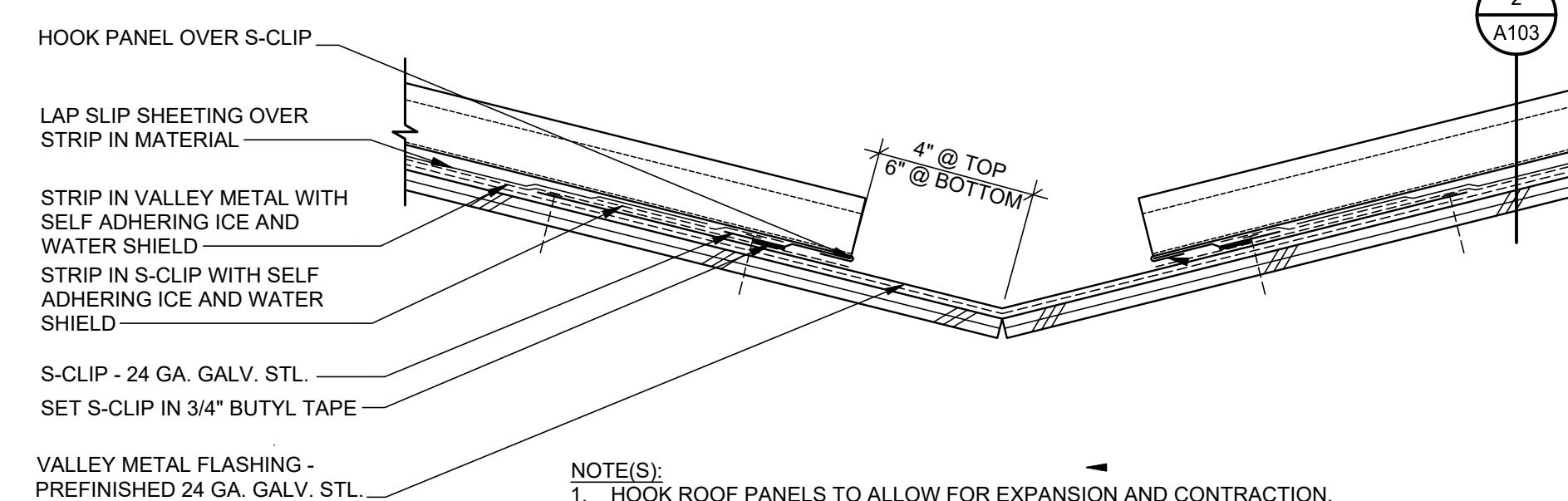
SCALE = 3'=1'-0"





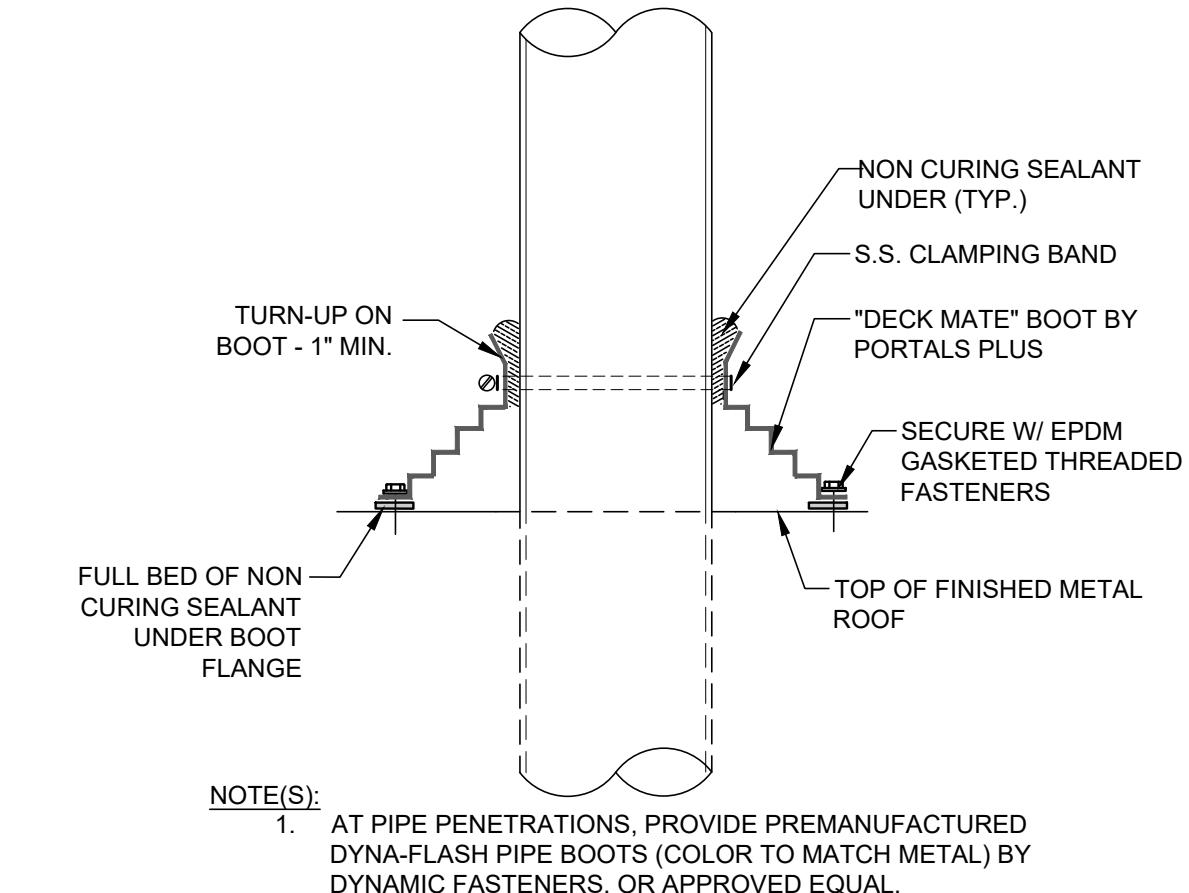
1 VENTED RIDGE FLASHING DETAIL

SCALE = 3'=1'-0"



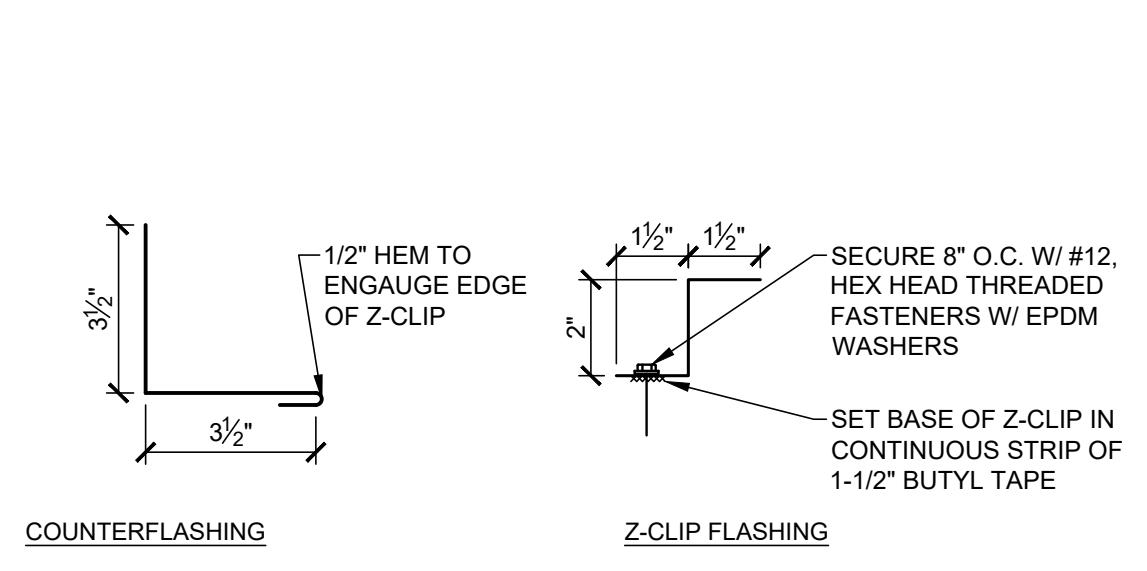
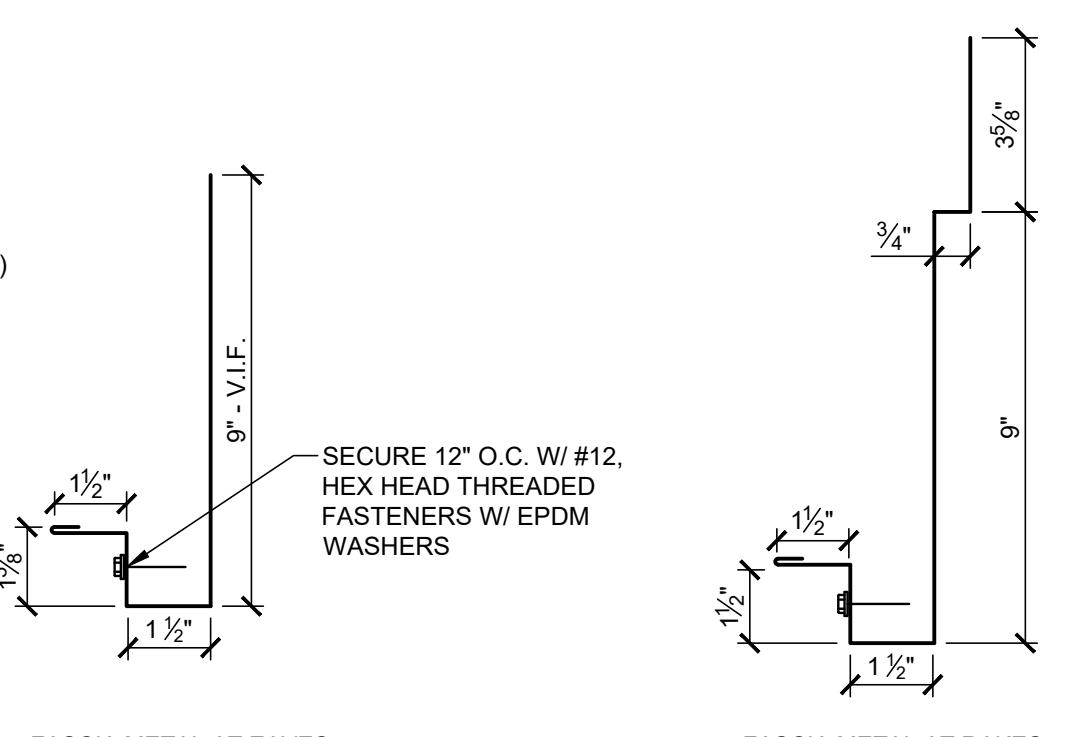
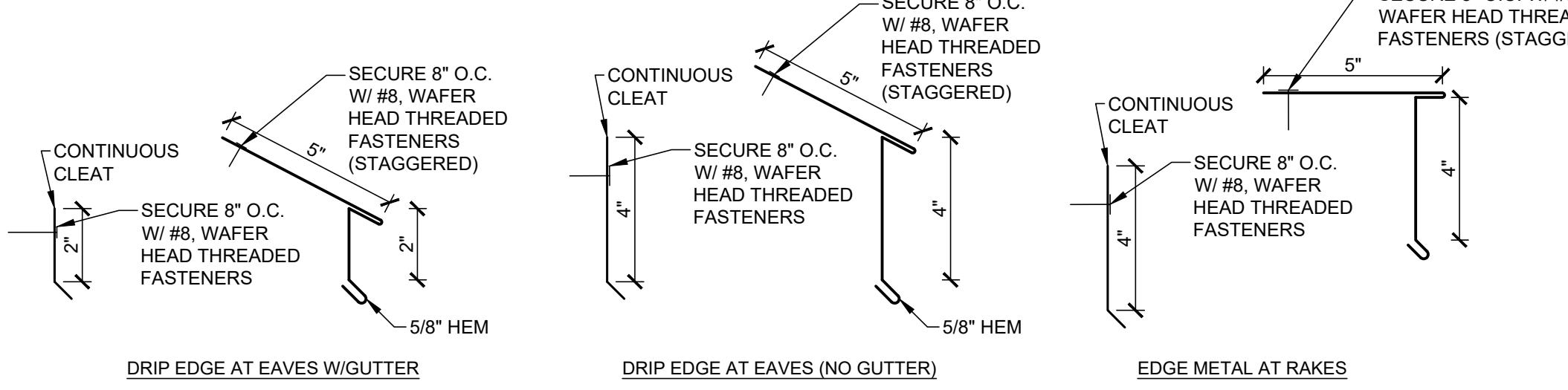
2 VALLEY FLASHING DETAIL

SCALE = 3'=1'-0"



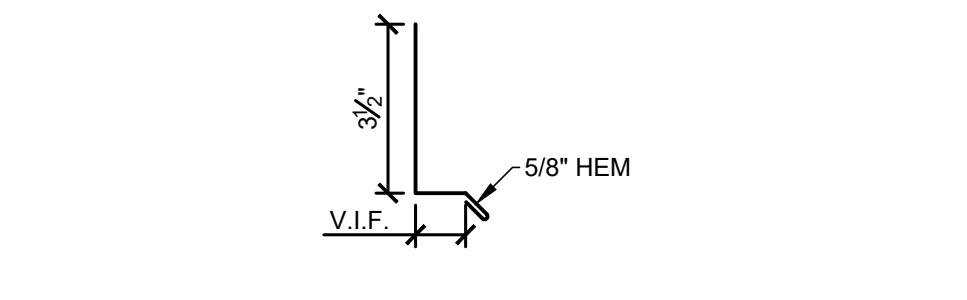
3 PIPE FLASHING DETAIL

SCALE = 3'=1'-0"



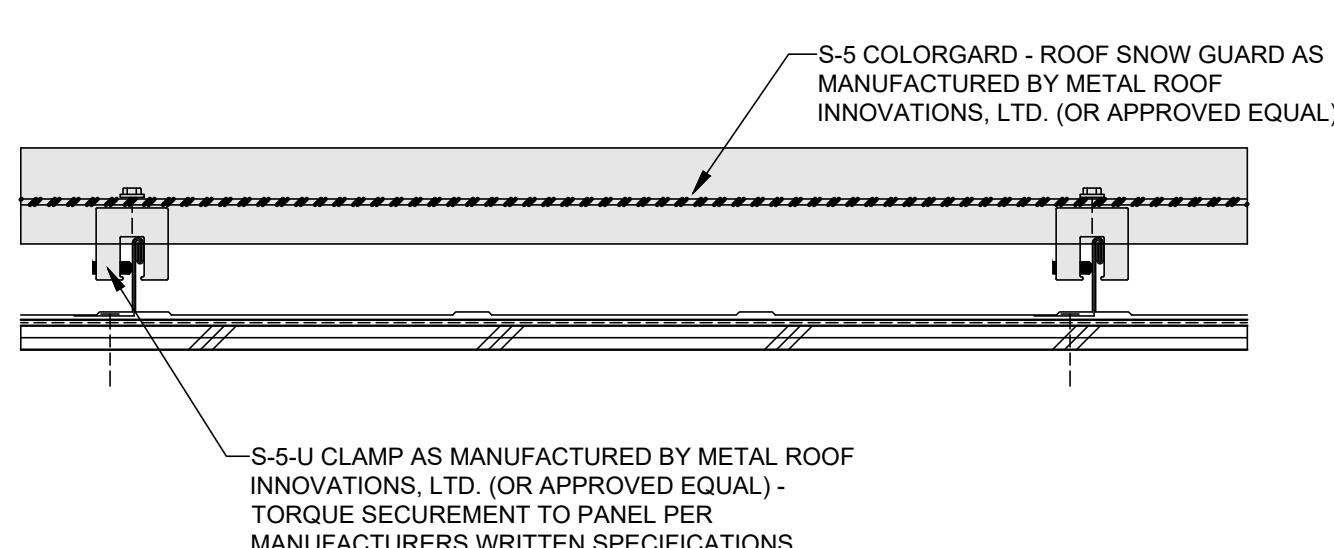
6 COUNTERFLASHING/Z-CLIP FLASHING DETAILS

SCALE = 3'=1'-0"



7 SIDING DRIP EDGE DETAIL

SCALE = 3'=1'-0"



NOTE(S):
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
2. TORQUE SECUREMENT BOLTS OF SEAM CLAMPS TO METAL PANELS PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
3. SUBMIT SNOW RETENTION SYSTEM COMPONENTS AND FINAL LAYOUT TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
4. INSTALLATION OF THE NEW ROOF SNOW GUARD TO BE THE RESPONSIBILITY OF THE ROOFING CONTRACTOR.

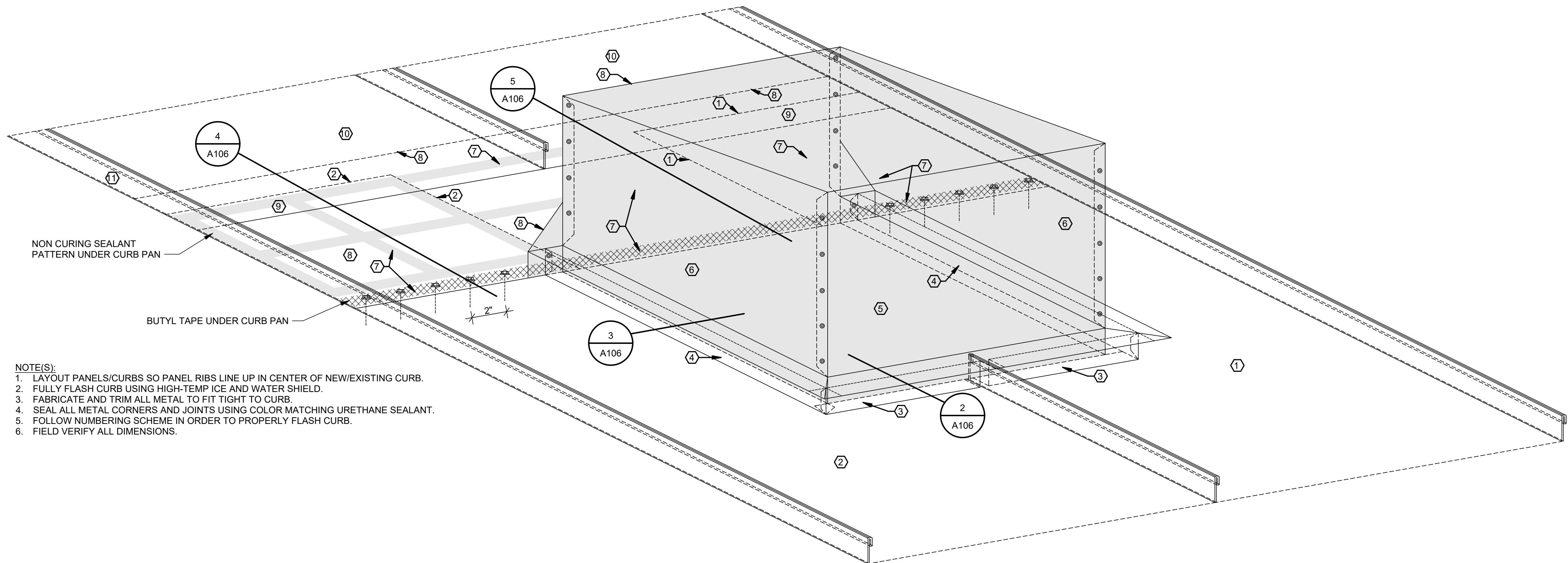
8 SNOW GUARD DETAIL

SCALE = 3'=1'-0"



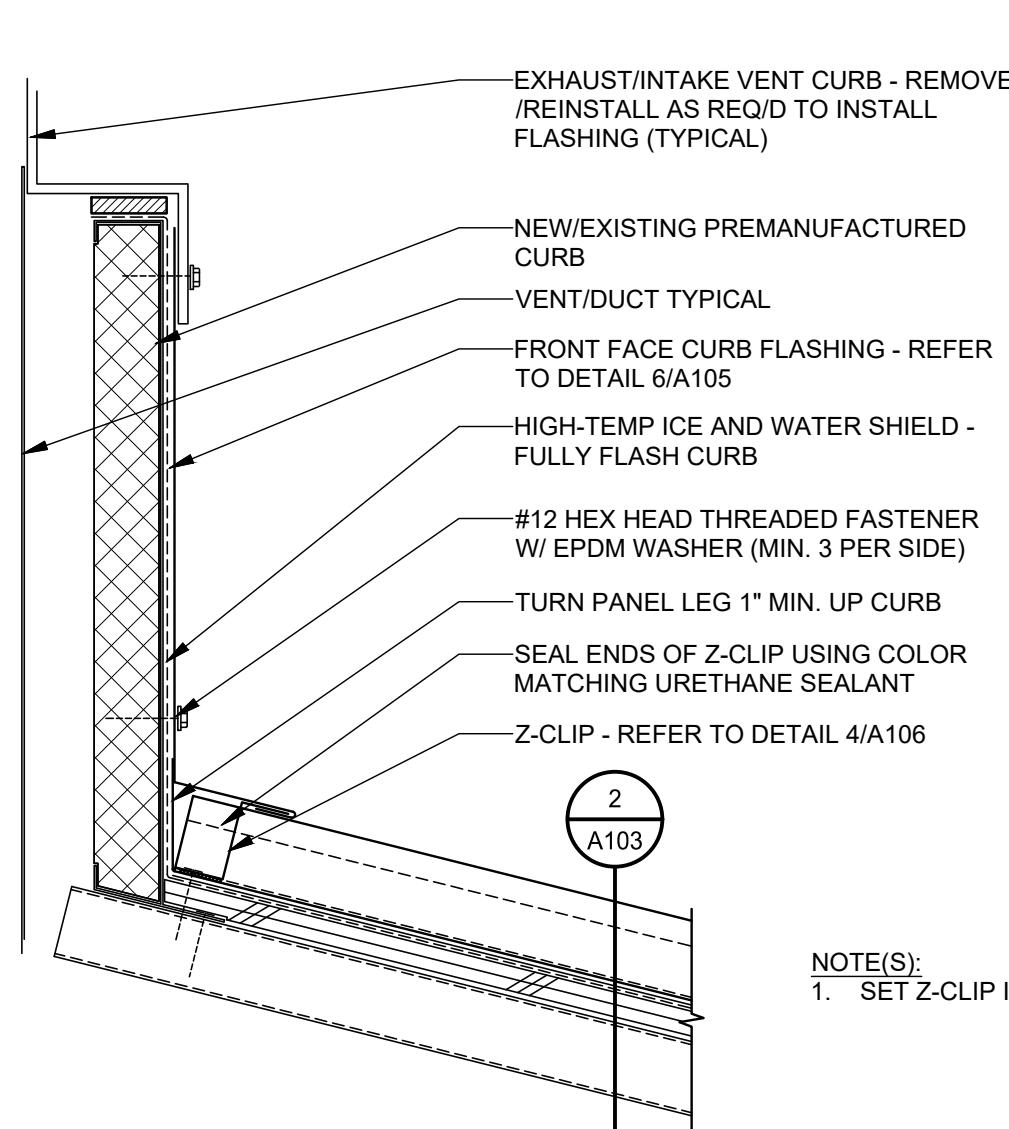
NUMBERING SCHEME CALLOUTS

- ① INSTALL FIRST PANEL ON LOW SIDE OF CURB. EXTEND PANEL 12" PAST TOP SIDE OF CURB. TRIM PANEL AROUND CURB. ALLOW FOR 1" OF MATERIAL TO BE ROLLED UP THE FRONT AND THE SIDE OF THE CURB.
- ② INSTALL SECOND PANEL ON LOW SIDE OF CURB. EXTEND PANEL 12" PAST TOP SIDE OF CURB. TRIM PANEL AROUND CURB. ALLOW FOR 1" OF MATERIAL TO BE ROLLED UP THE FRONT AND THE SIDE OF THE CURB.
- ③ INSTALL FRONT Z-CLIP AT BASE OF CURB. SET Z-CLIP IN 3/4" BUTYL TAPE. FOLD TABS AROUND CORNERS TO LINE UP WITH SIDE Z-CLIP. LEAVE FASTENERS OUT OF CORNERS TO ALLOW FOR SIDE Z-CLIP TO SLIDE UNDER.
- ④ INSTALL SIDE Z-CLIP AT BASE OF CURB. SET Z-CLIP IN 3/4" BUTYL TAPE. SLIDE SIDE Z-CLIP UNDER FRONT Z-CLIP FOR PROPER DOWNSHILL LAP. SEAL ALL CORNERS AND OVERLAPS WITH COLOR MATCHING URETHANE SEALANT.
- ⑤ INSTALL FRONT FACE CURB FLASHING. HOOK HEM INTO Z-CLIP. TRIM AND FOLD TABS AROUND BOTH SIDES OF CURB. SQUARE-OFF BOTTOM ANGLE TO MATCH SIDE Z-CLIP. FASTEN CURB FLASHING USING COLOR MATCHING #12 HEX HEAD THREADED FASTENERS WITH EPDM WASHERS (MIN. 3 PER SIDE).
- ⑥ INSTALL SIDE CURB FLASHINGS. HOOK HEM INTO Z-CLIP AND FRONT FACE CURB FLASHING. MITER ALL CORNERS. TRIM AND FOLD TABS ON BACK SIDES OF THE CURB. SEAL ALL CORNERS AND OVERLAPS WITH COLOR MATCHING URETHANE SEALANT. FASTEN SIDE CURB FLASHING TO FRONT FACE CURB FLASHING USING COLOR MATCHING 1/8" RIVETS. FASTEN SIDE CURB FLASHING TO CURB USING COLOR MATCHING #12 HEX HEAD THREADED FASTENERS WITH EPDM WASHERS (MIN. 3 PER SIDE).
- ⑦ INSTALL BUTYL TAPE AND NON CURING SEALANT AS SHOWN. CONNECT ALL BEADS OF NON CURING SEALANT.
- ⑧ INSTALL CURB PAN ON BACK SIDE OF CURB. CURB PAN TO SPAN ENTIRE SPACE BEHIND CURB. TRIM PAN AS SHOWN. FASTEN CURB PAN TO SIDE CURB FLASHING USING COLOR MATCHING 1/8" RIVETS. SEAL ALL CORNERS AND OVERLAPS WITH COLOR MATCHING URETHANE SEALANT. FASTEN CURB PAN TO CURB USING COLOR MATCHING #12 HEX HEAD THREADED FASTENERS WITH EPDM WASHERS. INSTALL A MINIMUM OF 3 FASTENERS IN THE CURB APPROXIMATELY 4" OFF THE DECK. SPACE FASTENERS IN THE BOTTOM OF THE PAN 2" O.C.
- ⑨ INSTALL S-CLIP AND BUTYL TAPE AS SHOWN IN DETAIL 5/A106.
- ⑩ INSTALL PANELS BEHIND CURB. HOOK PANELS INTO S-CLIP. SIDES OF PANELS SHOULD OVERLAP THE FIRST AND SECOND PANELS INSTALLED AROUND CURB BY MIN. 2".
- ⑪ INSTALL NEXT PANEL IN FULL LENGTH.



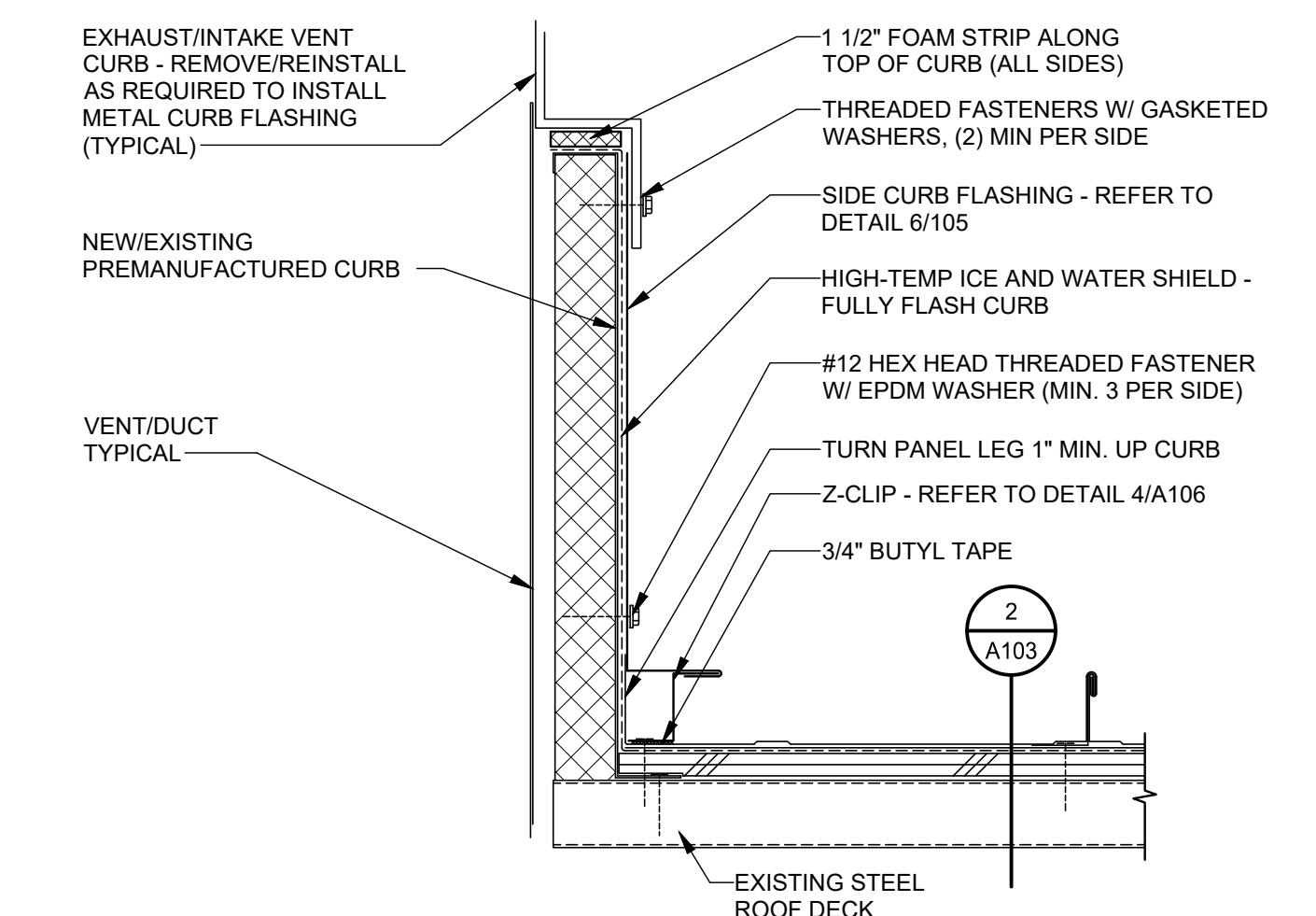
1 EQUIPMENT CURB ISO DETAIL
A106

SCALE = 3'=1'-0"



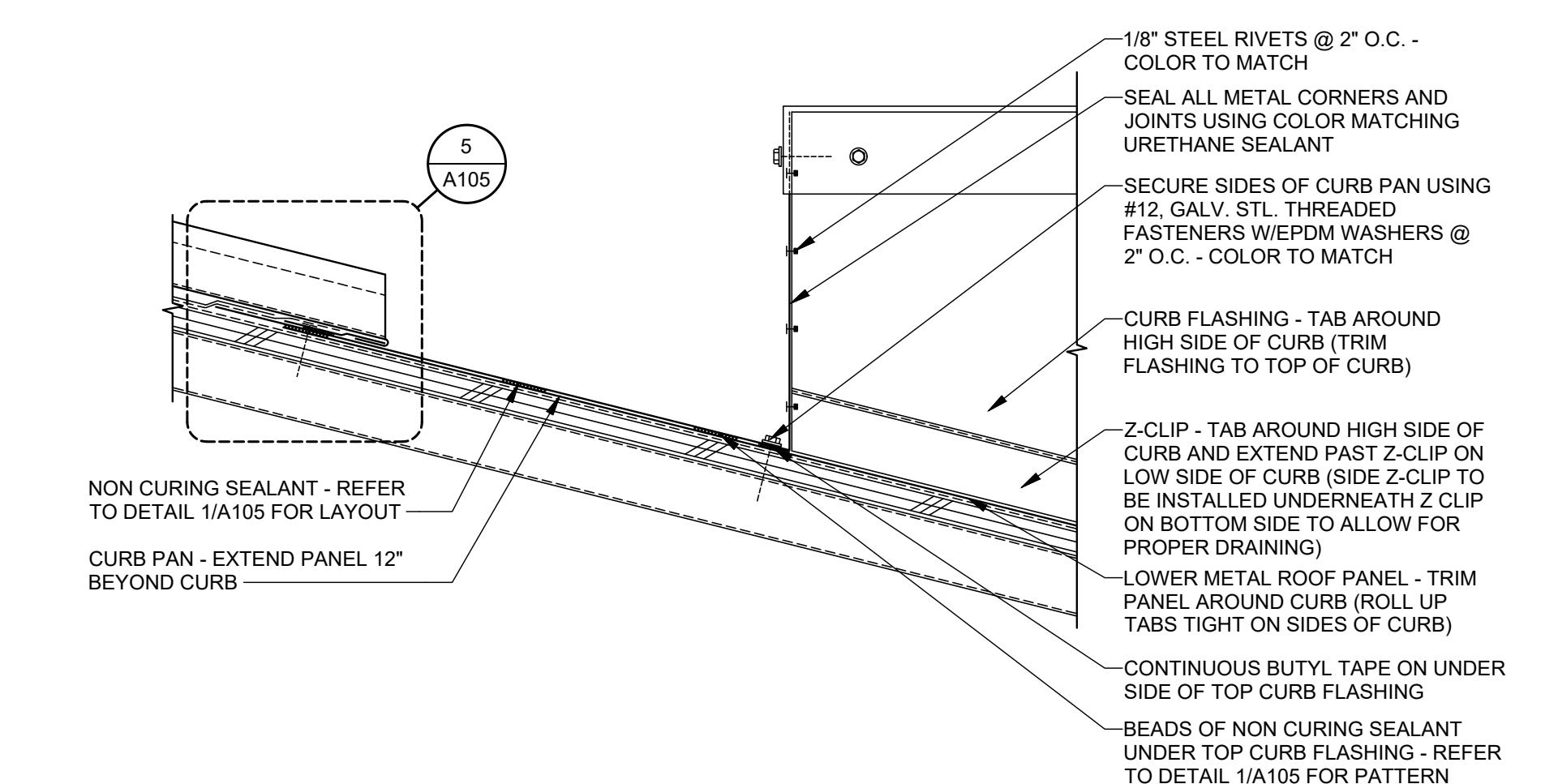
2 EXISTING CURB - DOWNSLOPE SIDE
A106

SCALE = 3'=1'-0"



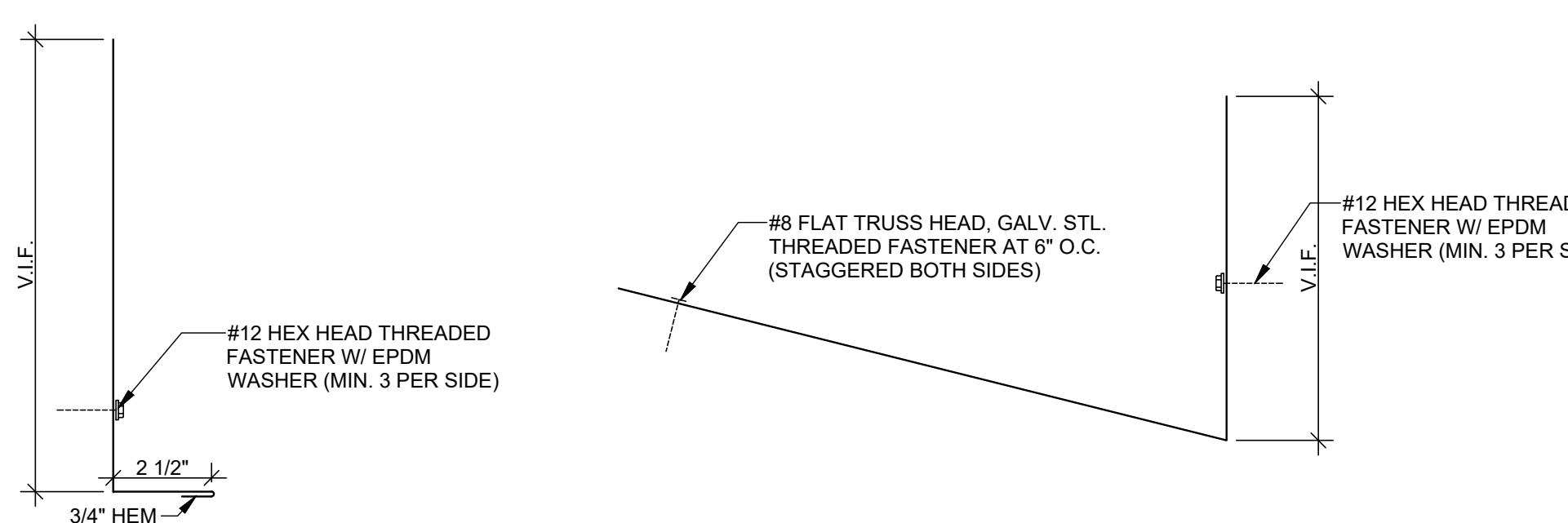
3 EXISTING CURB - SIDE
A10

SCALE = 3'=1'-0"



4 EXISTING CURB - SIDE PANEL
A106

SCALE = 3'=1'-0"



FRONT FACE CURB FLASHING

SIDE CURB FLASHING

CURB PAN FLASHING



5 EXISTING CURB - UPSLOPE SIDE
A106

SCALE = 3'=1'-0"



6 CURB FLASHING METAL DETAILS
A106

SCALE = 3'=1'-0"