

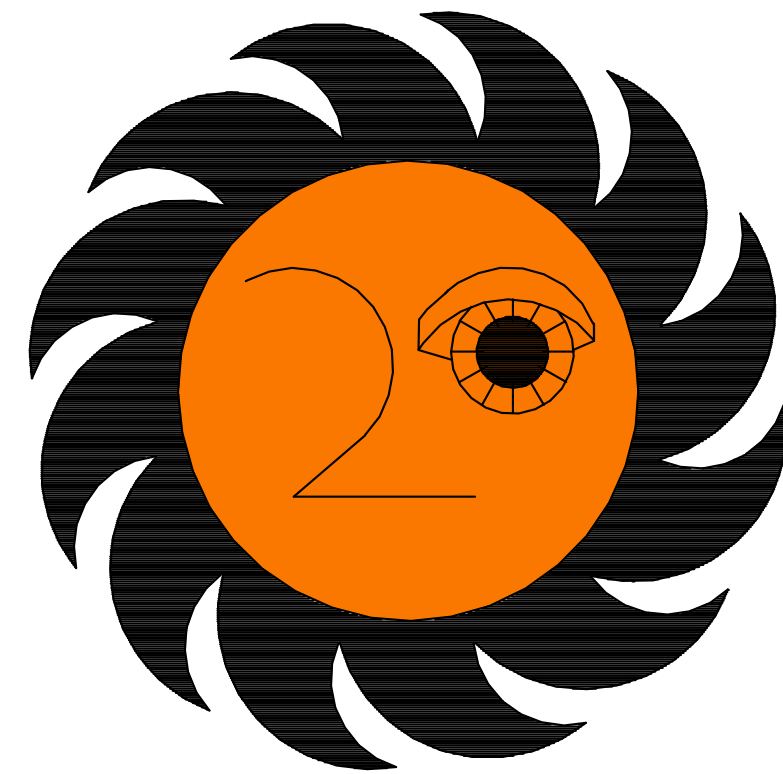


ANDERSON COUNTY DEPARTMENT OF EDUCATION
101 SOUTH MAIN STREET SUITE 500 CLINTON, TN 37716

PARTIAL ROOF REPLACEMENTS FOR GRAND OAKS ELEMENTARY SCHOOL 1033 OLIVER SPRINGS HWY. CLINTON, TN 37716

OFFICE OF TECHNOLOGY 141 EAST BROAD STREET CLINTON, TN 37716

NET ZERO BUILDING 425 DRAGON DRIVE CLINTON, TN 37716



ROOF DESIGN WORKS INC.

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DRAWING INDEX

- R1.0 TITLE SHEET
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- R1.2 ROOF PLAN & DETAILS - OFFICE OF TECHNOLOGY
- R1.3 ROOF PLAN & DETAILS - NET ZERO BUILDING

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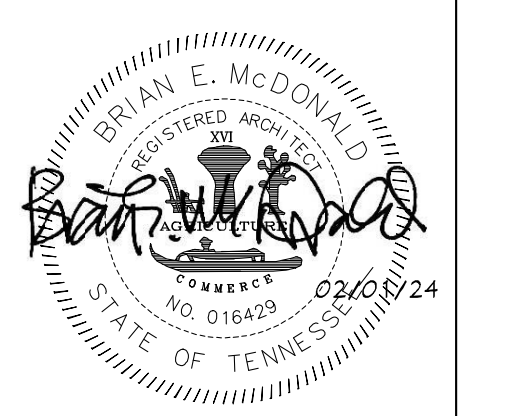
CODE INFORMATION

2018 INTERNATIONAL BUILDING CODE



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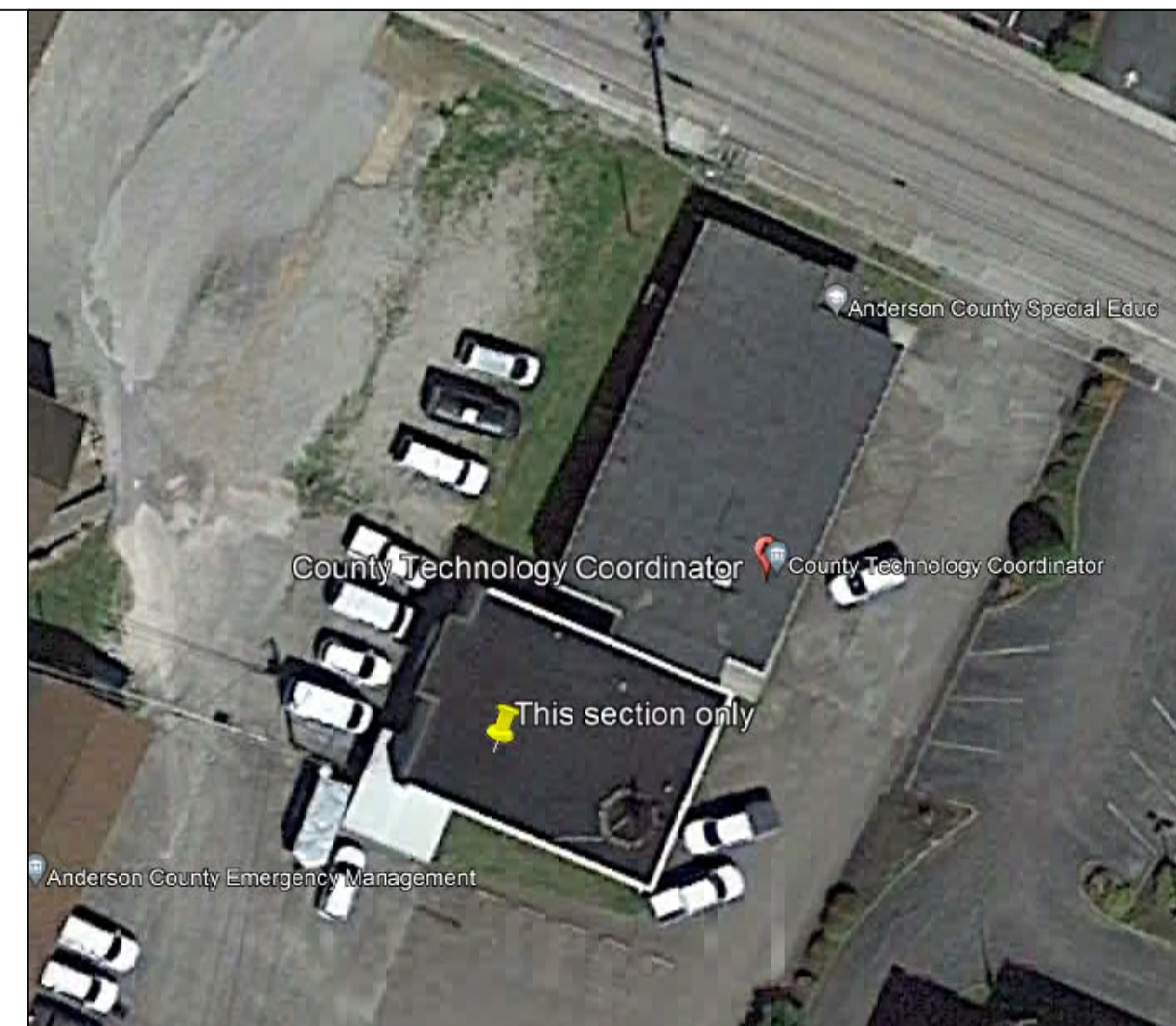
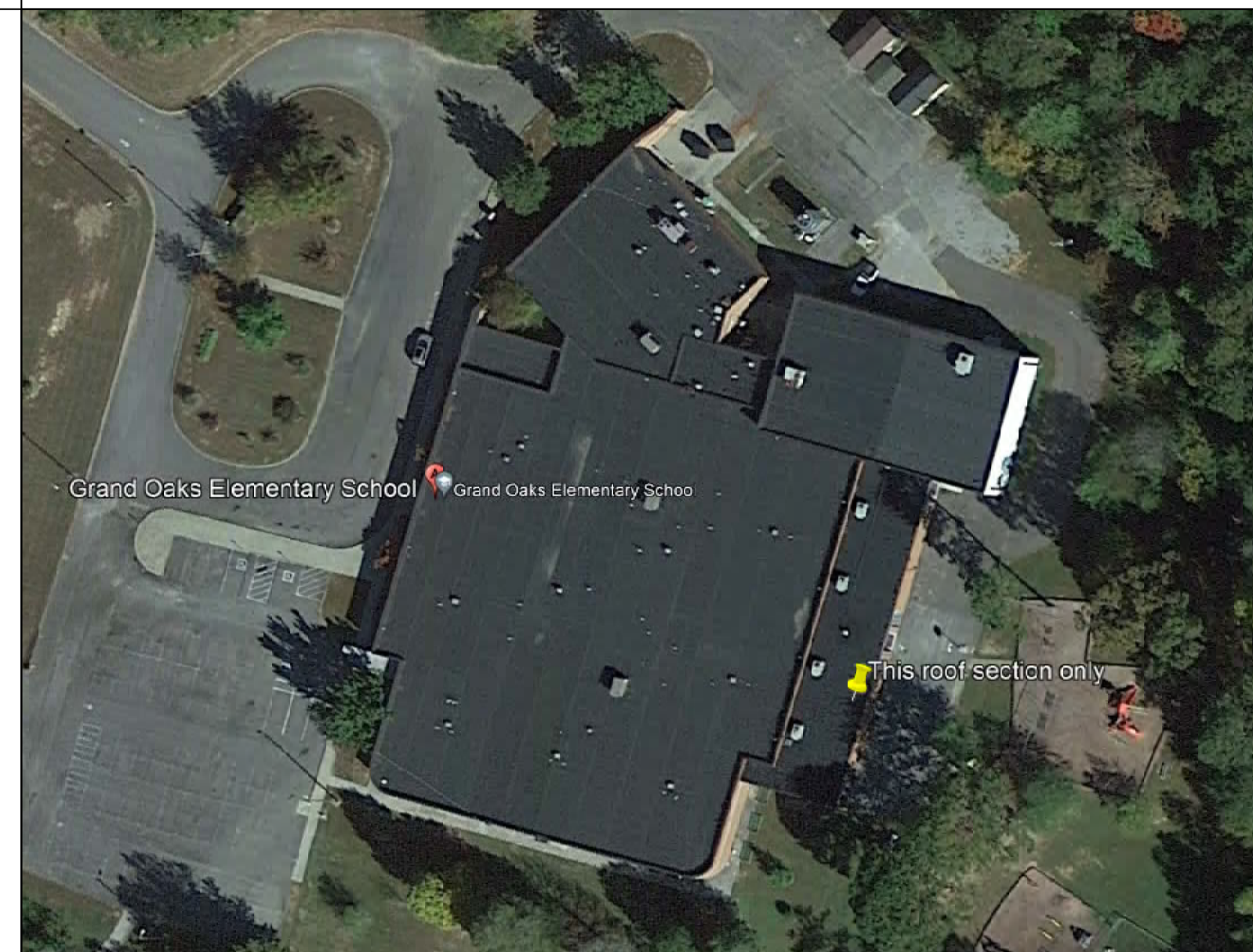
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PROJECT NO.	23019
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DRAWN	BEM
CHECKED	WLA
REVISION	

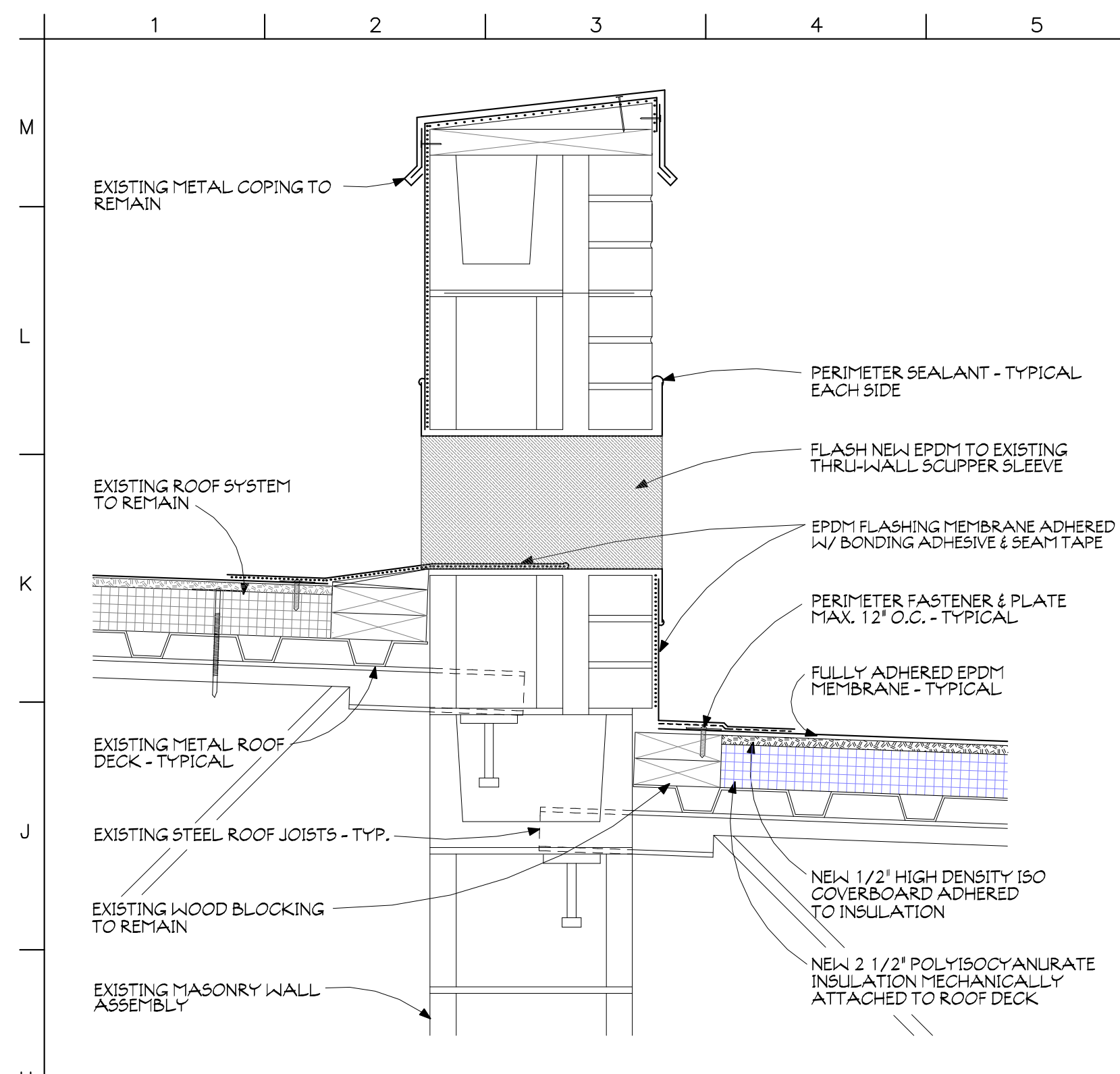
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R1.0

LEGEND

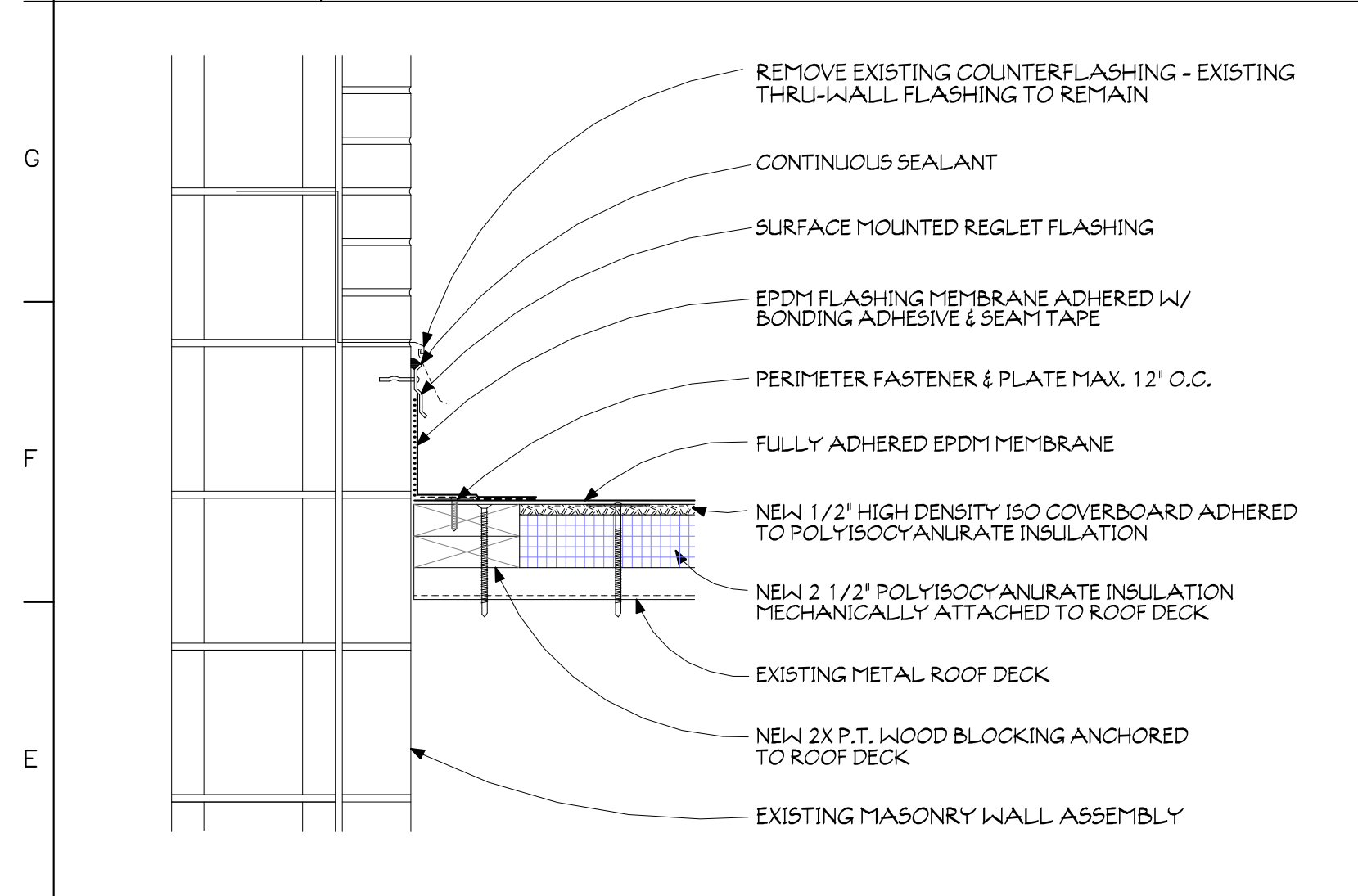
- VTR ○ VENT THRU ROOF
- G — GAS LINE
- GAS PIPE SUPPORT
- RTU □ ROOF TOP UNIT
- A1 R1.1 ○ DETAIL REFERENCE
- A1 R1.2 ○ DETAIL SECTION
- OF — OVERFLOW SCUPPER (FROM ADJACENT ROOF AREA)
- - - REGLET
- WALK PAD
- EF □ EXHAUST FAN

AERIAL PHOTOGRAPHS

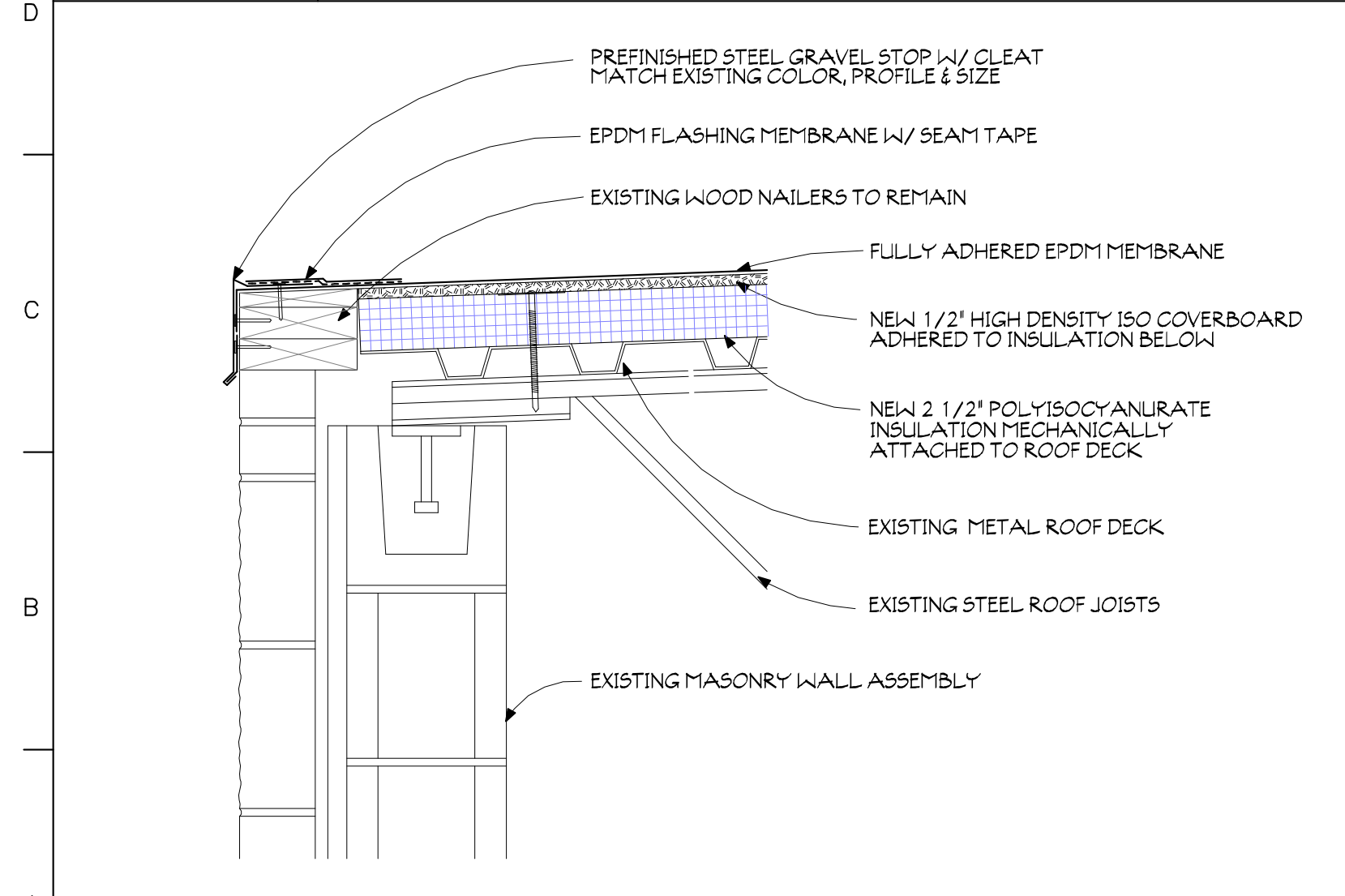




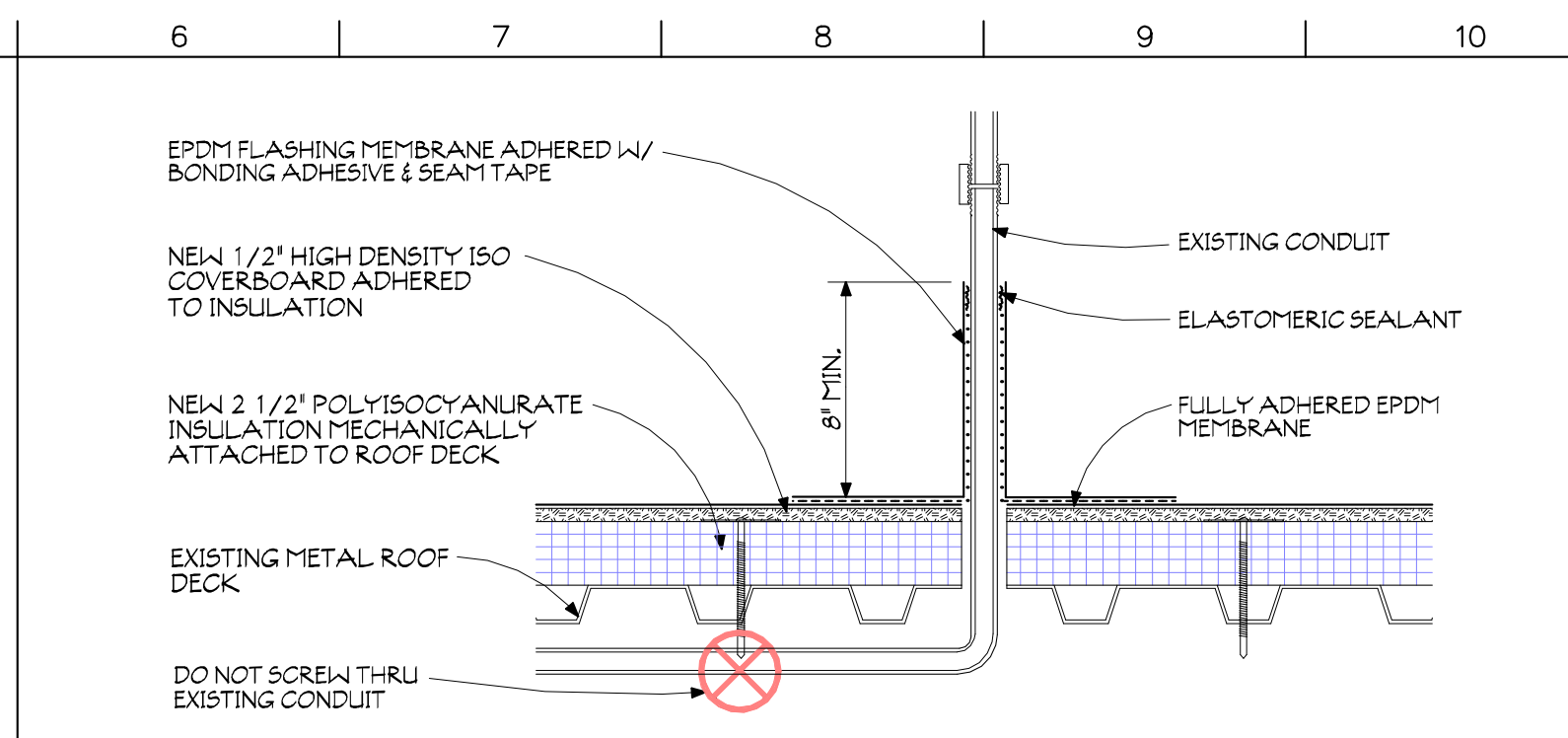
H1 TRANSITION BETWEEN AREAS A & F
SCALE: 1 1/2" = 1'-0" R1.1



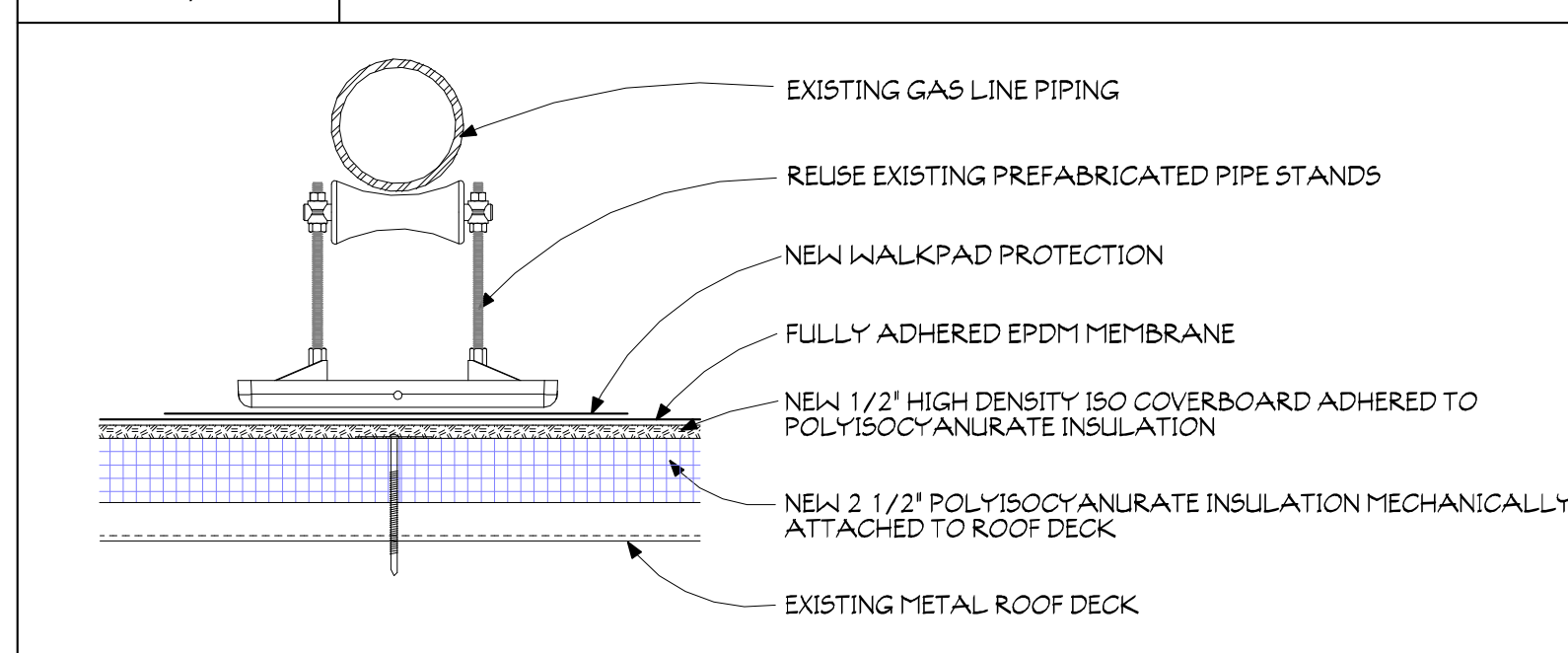
D1 SURFACE MOUNTED REGLET FLASHING
SCALE: 1 1/2" = 1'-0" R1.1



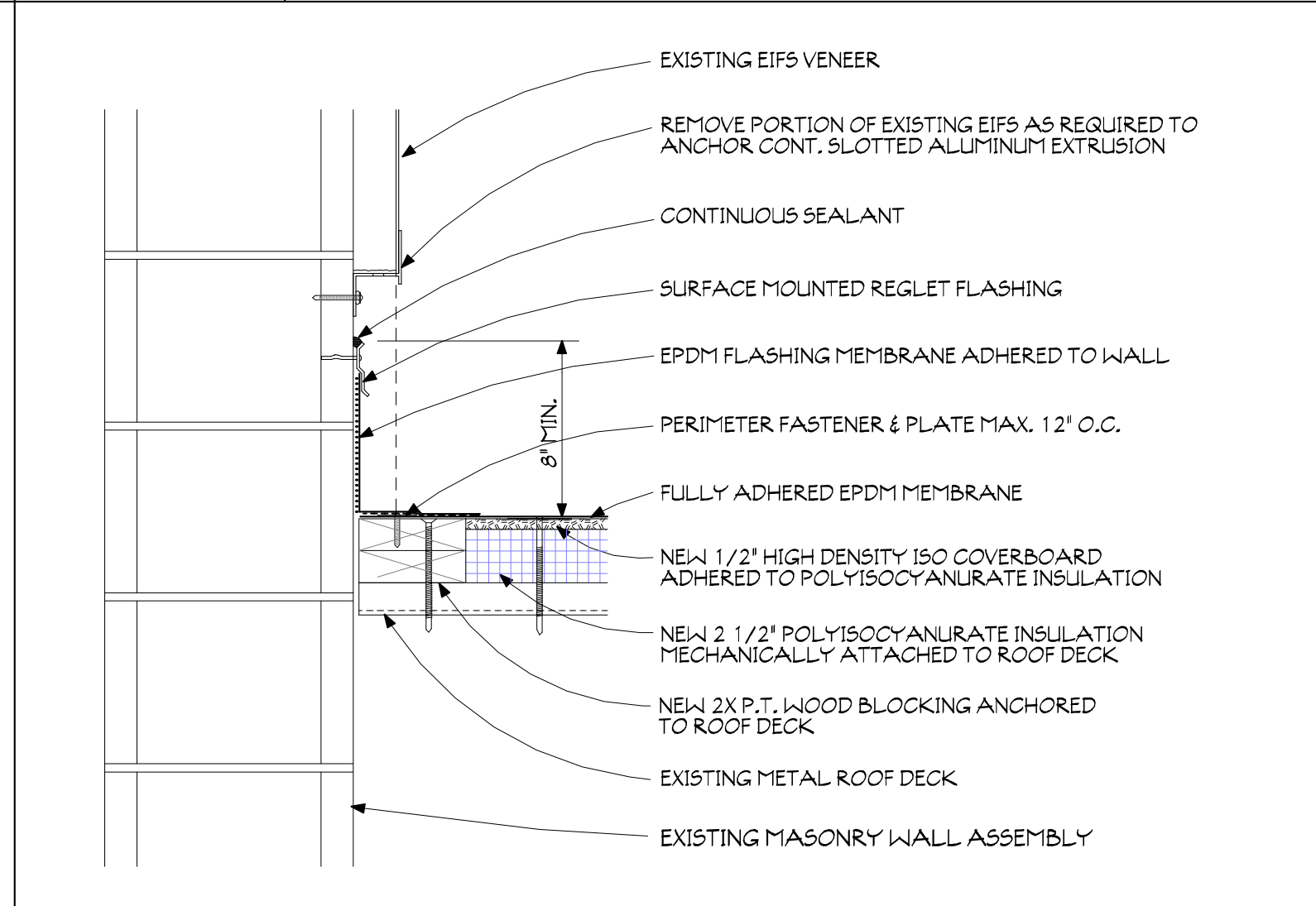
A1 ROOF EDGE W/ METAL
SCALE: 1 1/2" = 1'-0" R1.1



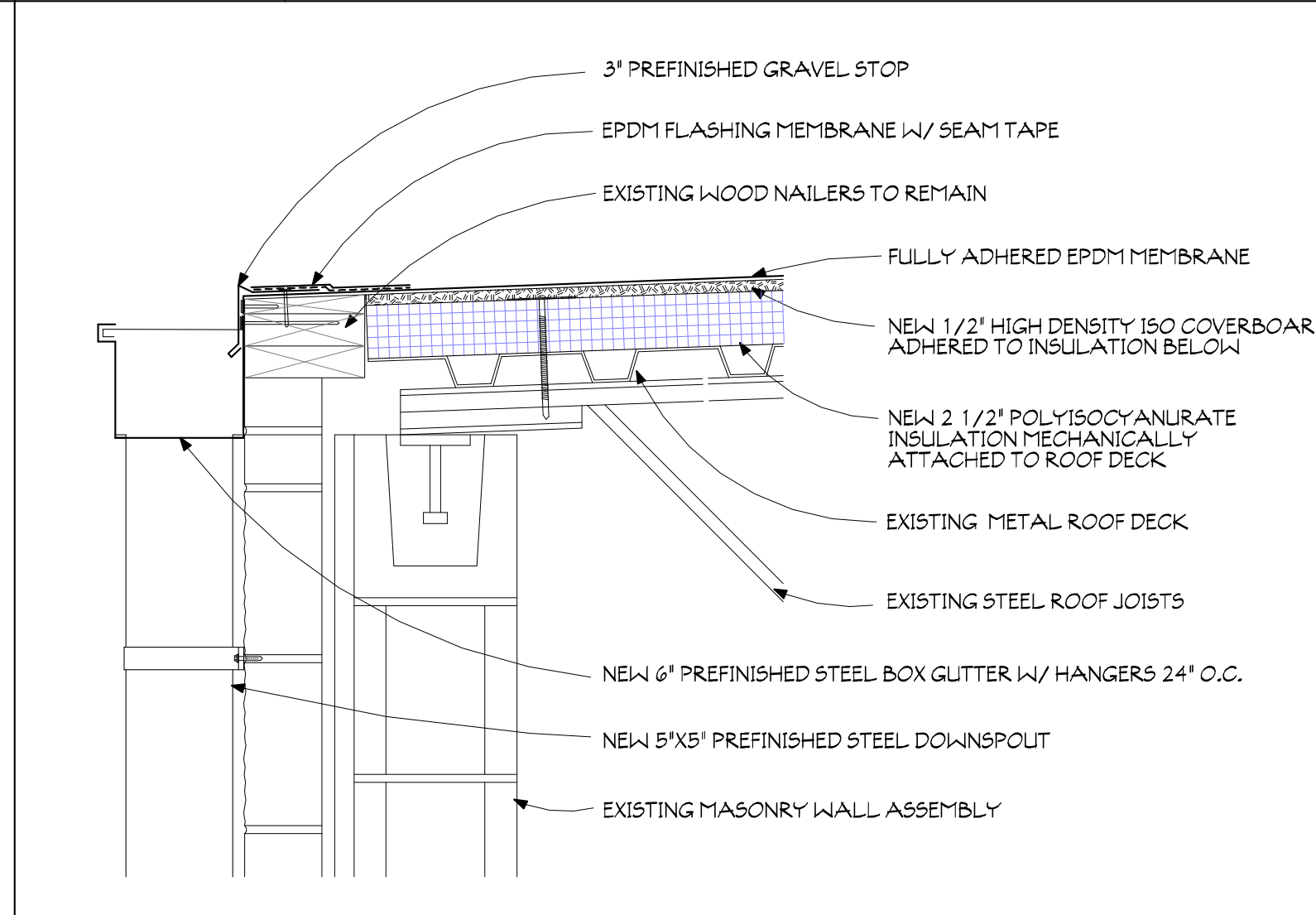
K6 CONDUIT PENETRATION
SCALE: 1 1/2" = 1'-0" R1.1



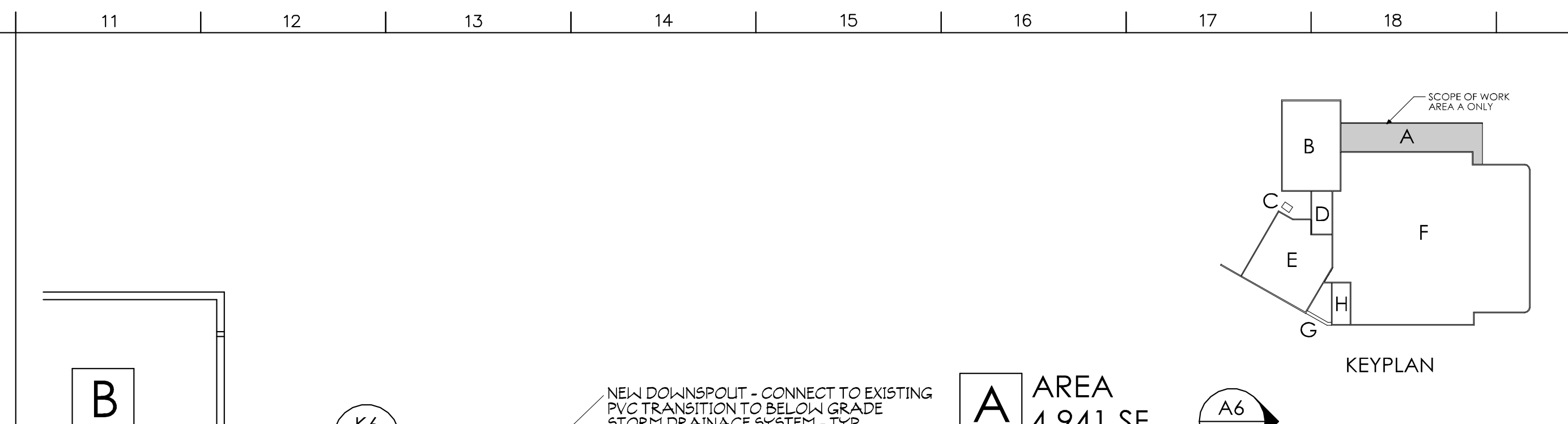
H6 GAS PIPE SUPPORT
SCALE: 1 1/2" = 1'-0" R1.1



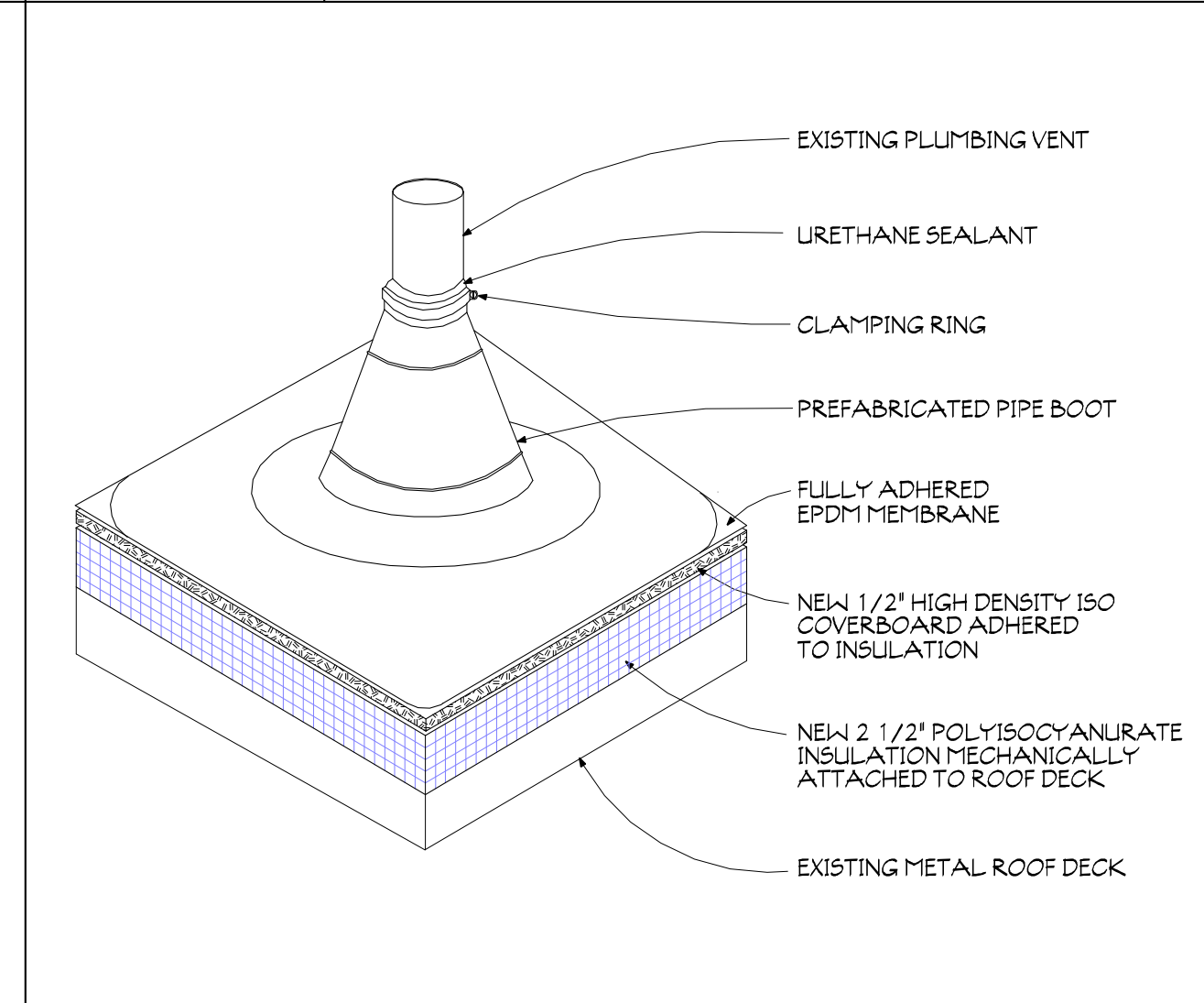
D6 TRANSITION @ GYM WALL
SCALE: 1 1/2" = 1'-0" R1.1



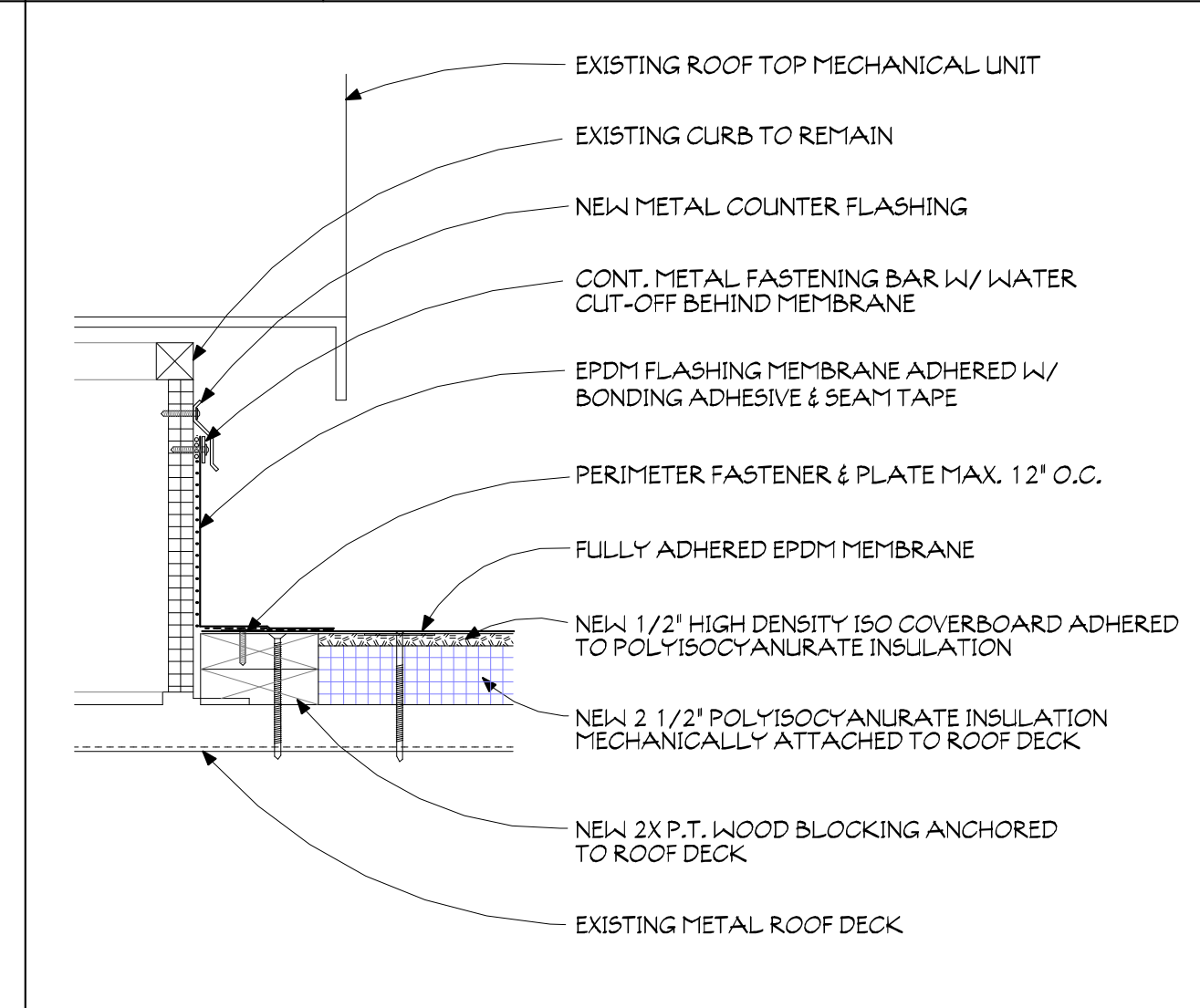
A6 ROOF EDGE W/ GUTTER
SCALE: 1 1/2" = 1'-0" R1.1



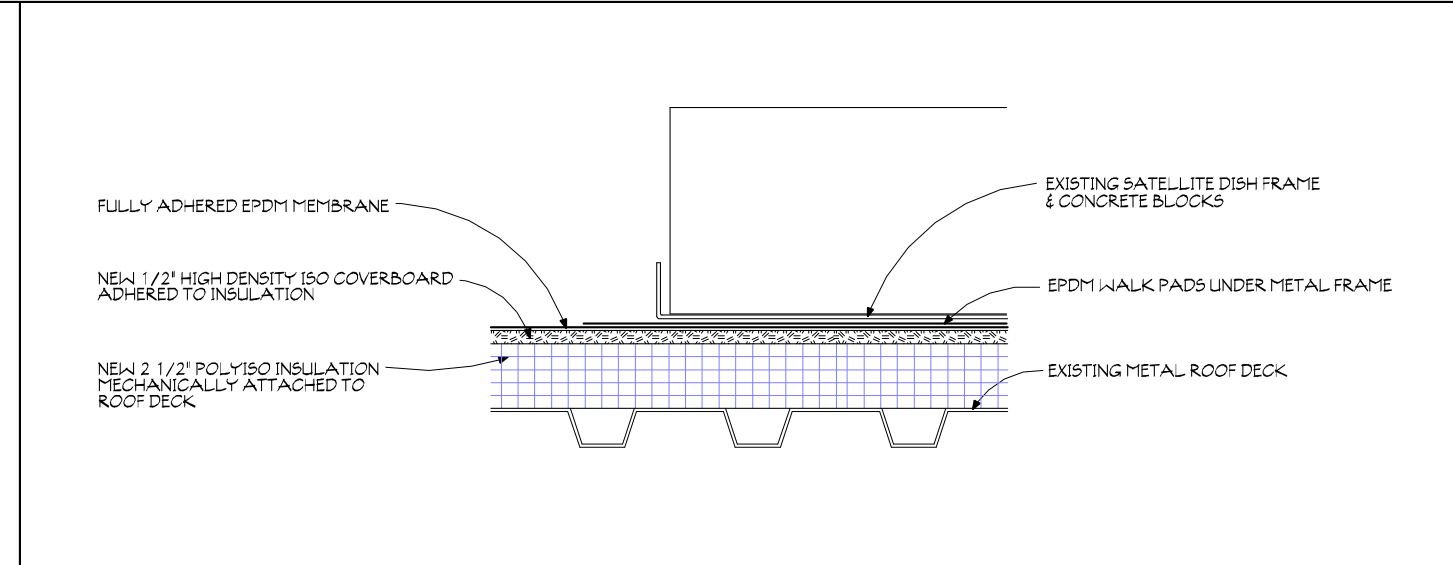
H11 PARTIAL ROOF PLAN AREA A - GRAND OAKS ELEMENTARY
SCALE: 1/4" = 1'-0" R1.1



D11 VENT THRU ROOF
SCALE: 1 1/2" = 1'-0" R1.1



A11 HVAC CURB FLASHING
SCALE: 1 1/2" = 1'-0" R1.1



F15 SATELLITE DISH FLASHING
NO SCALE R1.1

- CONTRACTOR SHALL VERIFY ALL INFORMATION INCLUDING DIMENSIONS AND ROOF PENETRATIONS PRIOR TO BIDDING.
- SPECIAL PRECAUTIONS SHOULD BE TAKEN TO AVOID OVERLOADING OF THE ROOF STRUCTURE. DO NOT STACK MATERIALS WHICH WOULD ADD CONCENTRATED LOADS TO THE STRUCTURE.
- ALL CURBS, VENTS, AND REGLET FLASHINGS SHALL MEET THE 8" MIN. REQUIREMENT ABOVE THE NEW ROOF SYSTEM UNLESS OTHERWISE NOTED OR APPROVED BY THE ROOF CONSULTANT. CONTRACTOR SHALL EXTEND ALL STACKS, PIPES, WIRES, DUCTWORK, ETC. AS NECESSARY FOR NEW ROOF ELEVATION & 8" MIN. FLASHING HEIGHT.
- CONTRACTOR SHALL INSTALL NEW WOOD NAILERS AND BLOCKING AS REQ'D. CONTRACTOR SHALL INSTALL NEW PRESSURE TREATED NAILERS AT CURBS AS NEEDED TO MEET MINIMUM FLASHING HEIGHT. VERIFY THAT THE ATTACHMENT OF EXISTING NAILERS TO REMAIN MEETS FM REQUIREMENTS.
- ADJUST EXISTING GAS LINES AS REQUIRED FOR THE NEW ROOF SYSTEM & PAINT YELLOW. REUSE EXISTING GAS LINE SUPPORTS.
- INSPECT EXISTING VENT STACKS TO VERIFY THAT ALL JOINTS AND CONNECTIONS ARE TIGHT AND INTACT. NOTIFY ROOFING CONSULTANT IF ANY DEFICIENCIES ARE FOUND.
- CONTRACTOR MUST VERIFY PROPER DRAINAGE HAS BEEN ACHIEVED. NOTIFY ROOF CONSULTANT OF ANY AREAS WHICH WILL NOT DRAIN PROPERLY PRIOR TO INSTALLING ROOF MEMBRANE. IT IS THE INTENT OF THE DESIGN TO ELIMINATE PONDING WATER.

C15 GENERAL NOTES
NO SCALE R1.1

- EXISTING ROOFING SYSTEM CONSISTS OF A FULLY ADHERED EPDM MEMBRANE OVER 3" POLYISOCYANURATE INSULATION ON METAL DECK.
- REMOVE THE EXISTING EPDM MEMBRANE & ROOF INSULATION DOWN TO THE EXISTING METAL DECK & PROPERLY DISPOSE OFF SITE.
- IF ANY AREAS HAVE DETERIORATED DECK, DETERMINE UNSUITABLE FOR THE NEW ROOFING SYSTEM. NOTIFY ROOF CONSULTANT IMMEDIATELY AND REPLACE ANY UNSUITABLE DECK AS DIRECTED BY THE ROOF CONSULTANT.
- MECHANICALLY ATTACH 2 1/2" OF NEW POLYISOCYANURATE INSULATION TO THE EXISTING METAL ROOF DECK. REVIEW INTERIOR & AVOID PENETRATING ANY CONDUIT, ETC. BELOW DECK.
- FULLY ADHERE NEW 1/2" HIGH DENSITY ISO COVERBOARD TO THE POLYISOCYANURATE INSULATION.
- INSTALL A FULLY ADHERED 60 MIL EPDM MEMBRANE OVER THE NEW HIGH DENSITY ISO COVERBOARD FOR A 20-YEAR WEATHER TIGHTNESS WARRANTY.
- REPLACE ALL EXISTING METAL COPINGS, FLASHINGS, THRU WALL SCUPPERS, GUTTERS & DOWNSPOUTS WITH NEW AS SHOWN ON THE DRAWINGS.
- INSTALL WALKPADS AROUND ALL ROOFTOP UNITS & SATELLITE DISH.

A15 ROOFING NOTES
NO SCALE R1.1

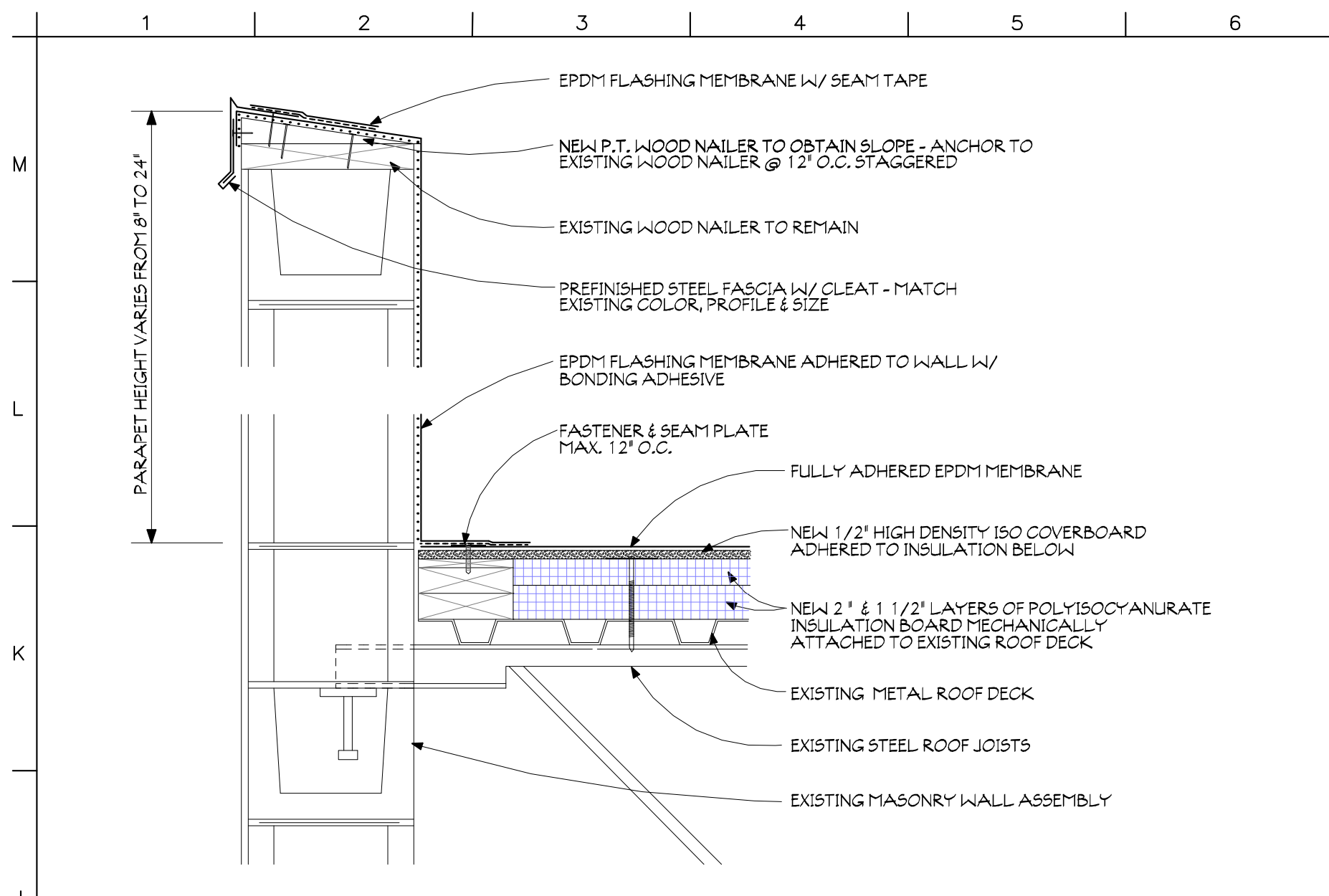
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PARTIAL ROOF REPLACEMENTS FOR
ANDERSON COUNTY BOARD OF EDUCATION
GRAND OAKS ELEMENTARY

ARCHITECTS WEEKS AMBROSE McDONALD, INC.
DATE 02-01-24
PROJECT NO. 23019
REFERENCE R1.1-GOE
DRAWN BEM
CHECKED VW/BEM
REVISION

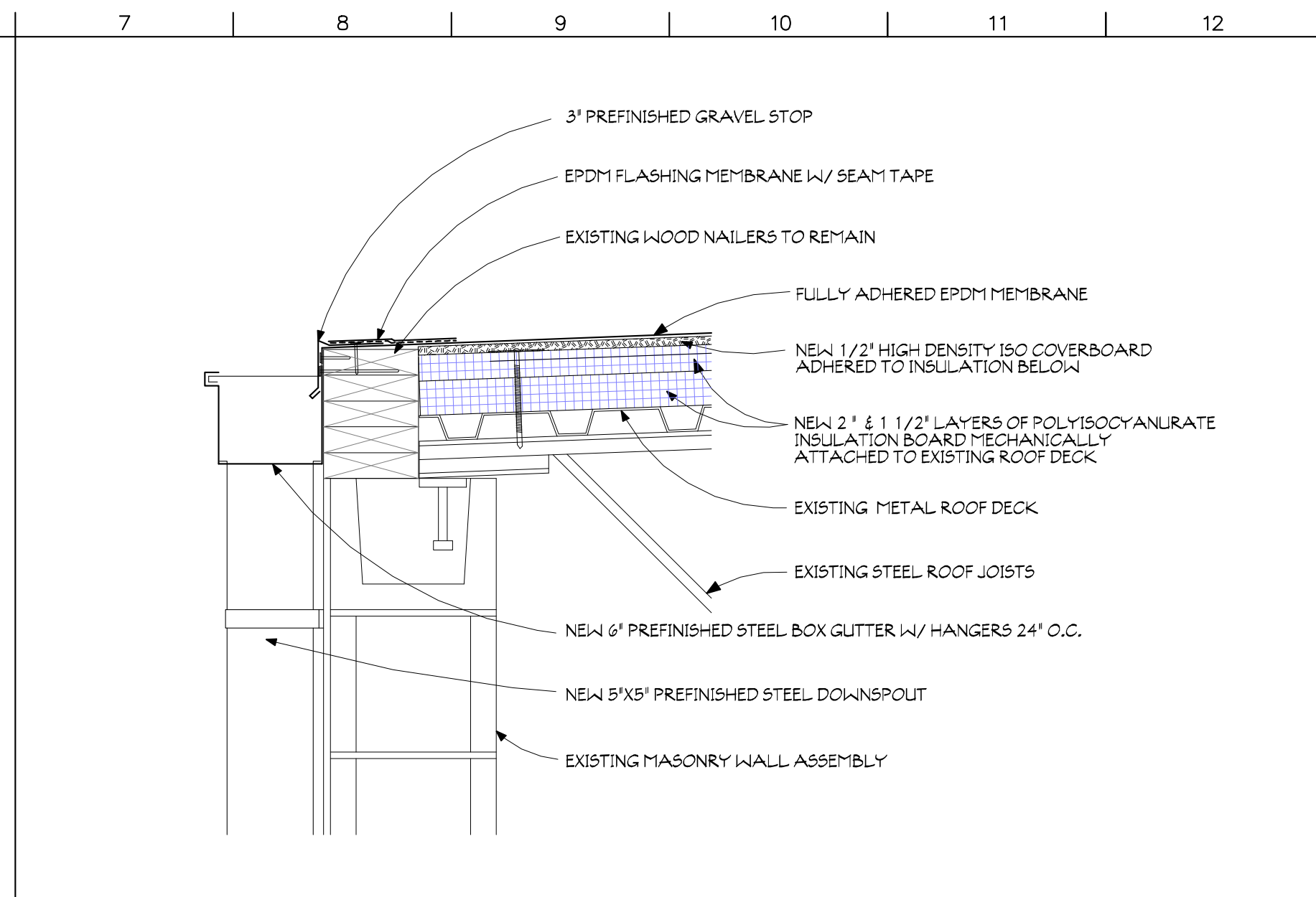
ROOF PLAN & DETAILS
R1.1



J1 **PARAPET**
SCALE: 1 1/2" = 1'-0"

- | | |
|--|---|
| <p>1 CONTRACTOR SHALL VERIFY ALL INFORMATION INCLUDING DIMENSIONS AND ROOF PENETRATIONS PRIOR TO BIDDING.</p> <p>2 SPECIAL PRECAUTIONS SHOULD BE TAKEN TO AVOID OVERLOADING OF THE ROOF STRUCTURE. DO NOT STACK MATERIALS WHICH WOULD ADD CONCENTRATED LOADS TO THE STRUCTURE.</p> <p>3 ALL CURBS, VENTS, AND REGLET FLASHINGS SHALL MEET THE 8" MIN. REQUIREMENT ABOVE THE NEW ROOF SYSTEM UNLESS OTHERWISE NOTED OR APPROVED BY THE ROOF CONSULTANT. CONTRACTOR SHALL EXTEND ALL STACKS, PIPES, WIRES, DUCTWORK, ETC. AS NECESSARY FOR NEW ROOF ELEVATION & 8" MIN. FLASHING HEIGHT.</p> | <p>4 CONTRACTOR SHALL INSTALL NEW WOOD NAILERS AND BLOCKING AS REQD. CONTRACTOR SHALL INSTALL NEW PRESSURE TREATED NAILERS AT CURBS AS NEEDED TO MEET MIN. FLASHING HEIGHT. VERIFY THAT THE ATTACHMENT OF EXISTING NAILERS TO REMAIN MEETS F1 REQUIREMENTS.</p> <p>5 INSPECT EXISTING VENT STACKS TO VERIFY THAT ALL JOINTS AND CONNECTIONS ARE TIGHT AND INTACT. NOTIFY ROOFING CONSULTANT IF ANY DEFICIENCIES ARE FOUND.</p> <p>6 CONTRACTOR MUST VERIFY PROPER DRAINAGE HAS BEEN ACHIEVED. NOTIFY ROOF CONSULTANT PRIOR TO ANY AREAS WHICH WILL NOT DRAIN PROPERLY PRIOR TO INSTALLING ROOF MEMBRANE. IT IS THE INTENT OF THE DESIGN TO ELIMINATE PONDING WATER.</p> |
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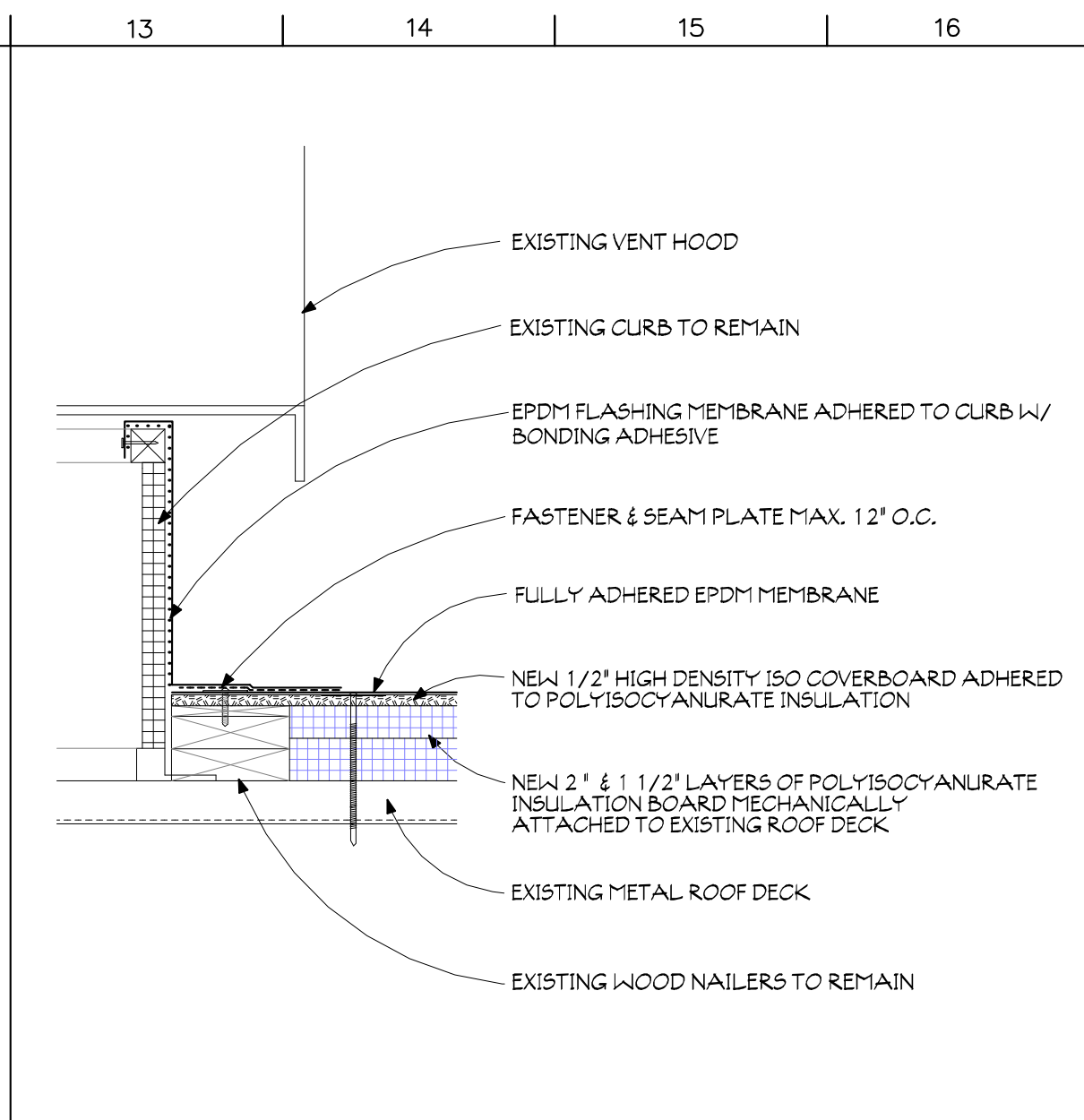
F1 **GENERAL NOTES**
NO SCALE R1.2



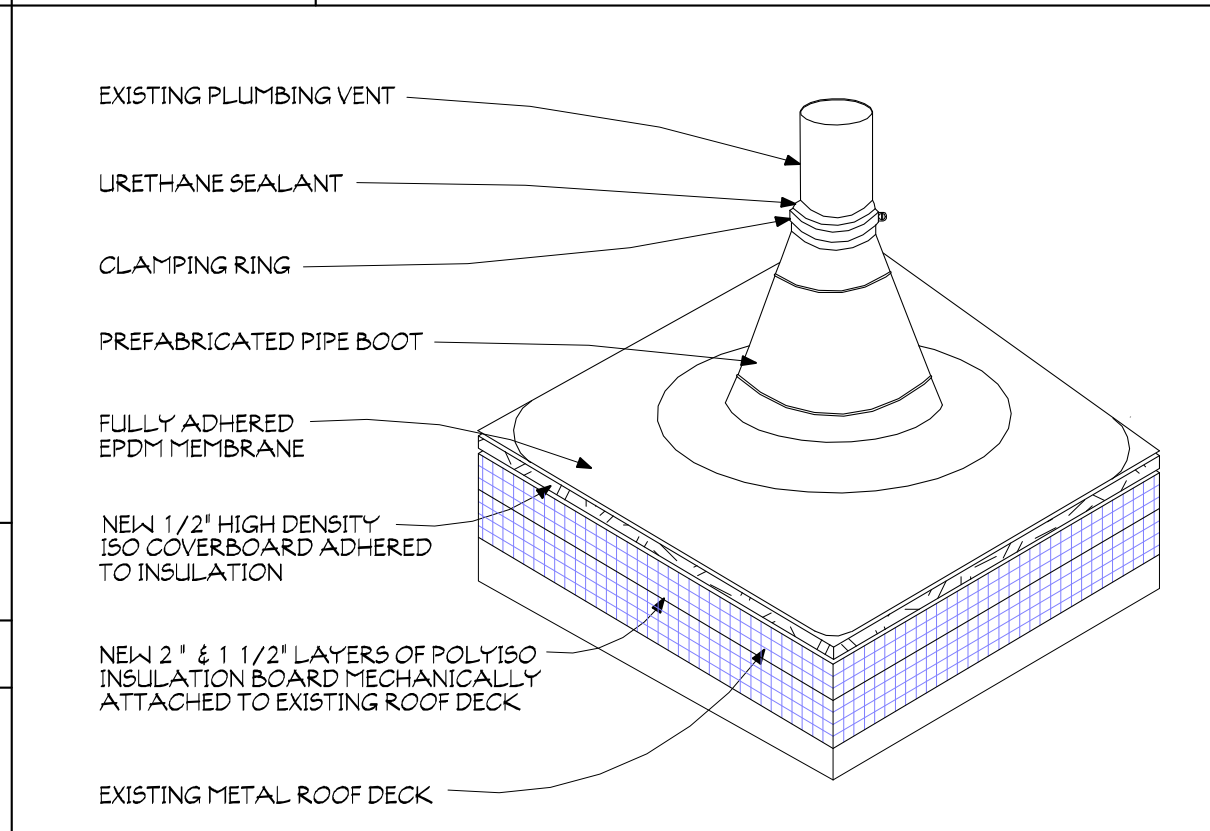
J7 **ROOF EDGE W/ GUTTER**
SCALE: 1 1/2" = 1'-0"

- | | |
|--|--|
| <p>1 EXISTING ROOFING SYSTEM CONSISTS OF A FULLY ADHERED EPDM MEMBRANE OVER 1/2" WOOD FIBERBOARD & 3 1/2" EPS INSULATION ON METAL DECK.</p> <p>2 REMOVE THE EXISTING EPDM MEMBRANE & ROOF INSULATION DOWN TO THE EXISTING METAL DECK & PROPERLY DISPOSED OFF SITE.</p> <p>3 IF ANY AREAS HAVE DETERIORATED DECK, DEEMED UNSUITABLE FOR THE NEW ROOFING SYSTEM, NOTIFY ROOF CONSULTANT IMMEDIATELY AND REPLACE ANY UNSUITABLE DECK AS DIRECTED BY THE ROOF CONSULTANT.</p> <p>4 MECHANICALLY ATTACH 3 1/2" OF NEW POLYISOCYANURATE INSULATION TO THE EXISTING METAL ROOF DECK. REVIEW INTERIOR TO AVOID PENETRATING EXISTING CONDUIT, ETC. BELOW ROOF DECK.</p> | <p>5 FULLY ADHERE NEW 1/2" HIGH DENSITY ISO COVERBOARD TO THE POLYISOCYANURATE INSULATION.</p> <p>6 INSTALL A FULLY ADHERED 60 MIL EPDM MEMBRANE OVER THE NEW HIGH DENSITY ISO COVERBOARD FOR A 20-YEAR WEATHERTIGHTNESS WARRANTY.</p> <p>7 REPLACE ALL EXISTING METAL COPINGS, FLASHINGS, THRU WALL SCUPPERS, GUTTERS & DOWNSPOUTS WITH NEW AS SHOWN ON THE DRAWINGS.</p> |
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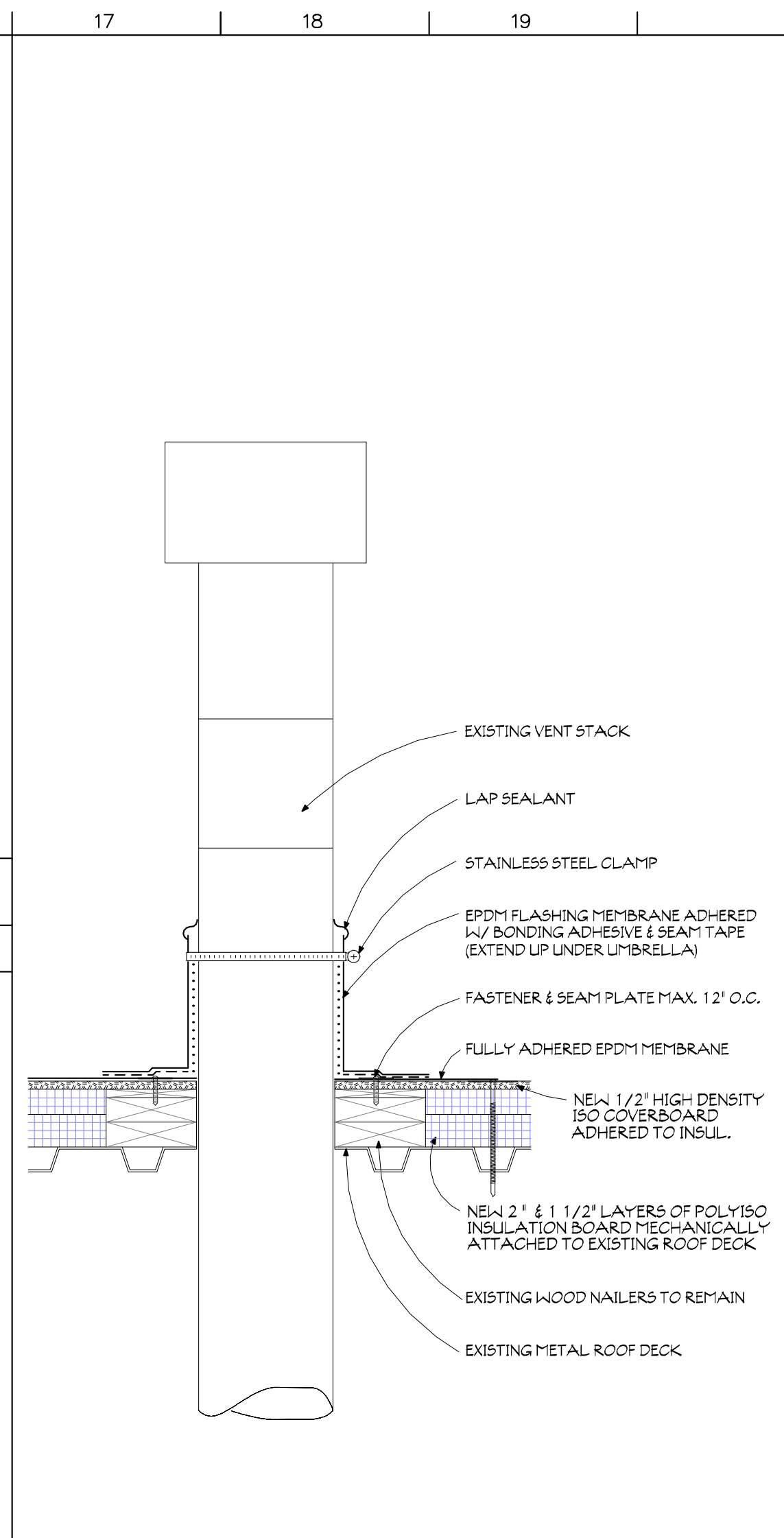
F7 **ROOFING NOTES**
NO SCALE R1.2



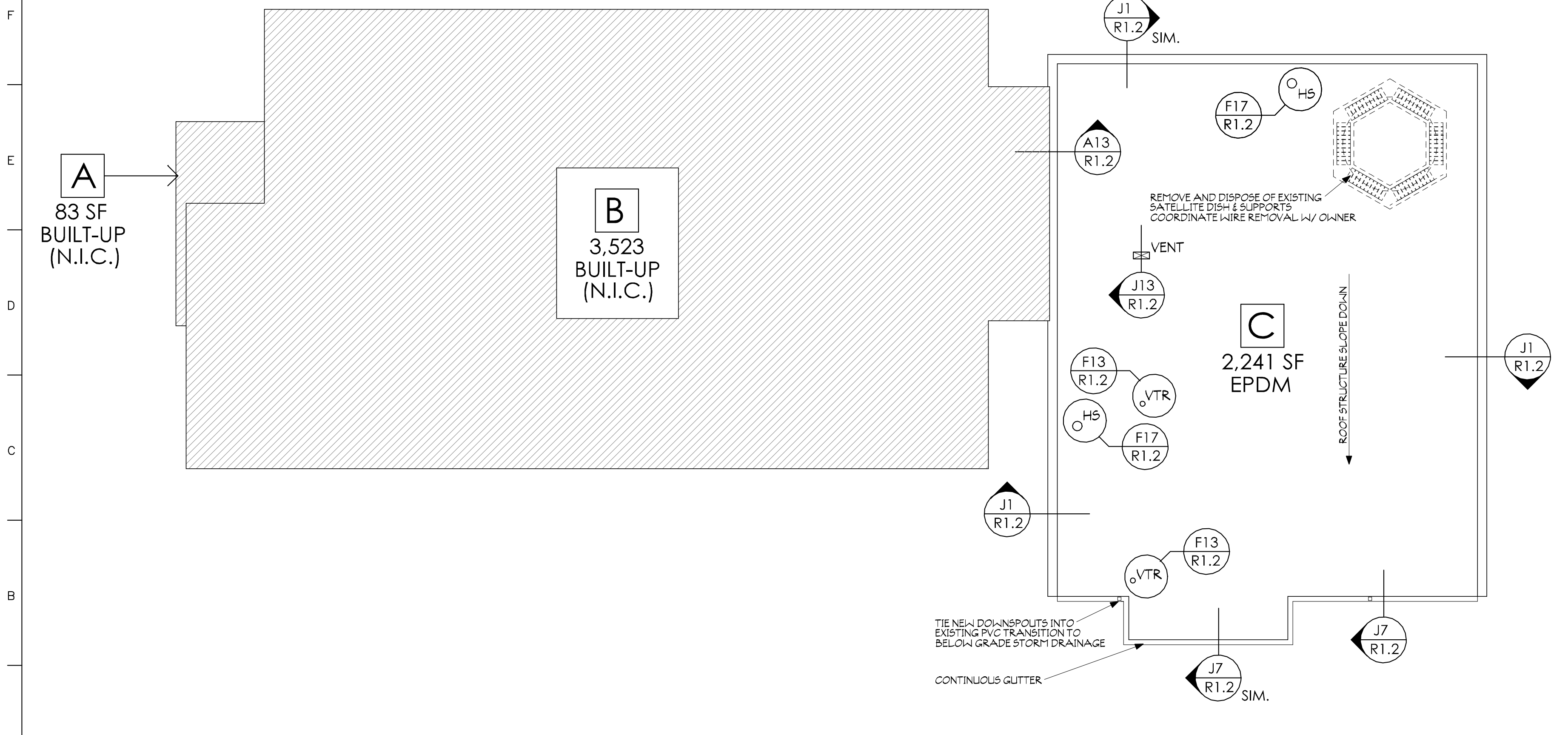
J13 **CURB FLASHING**
SCALE: 1 1/2" = 1'-0"



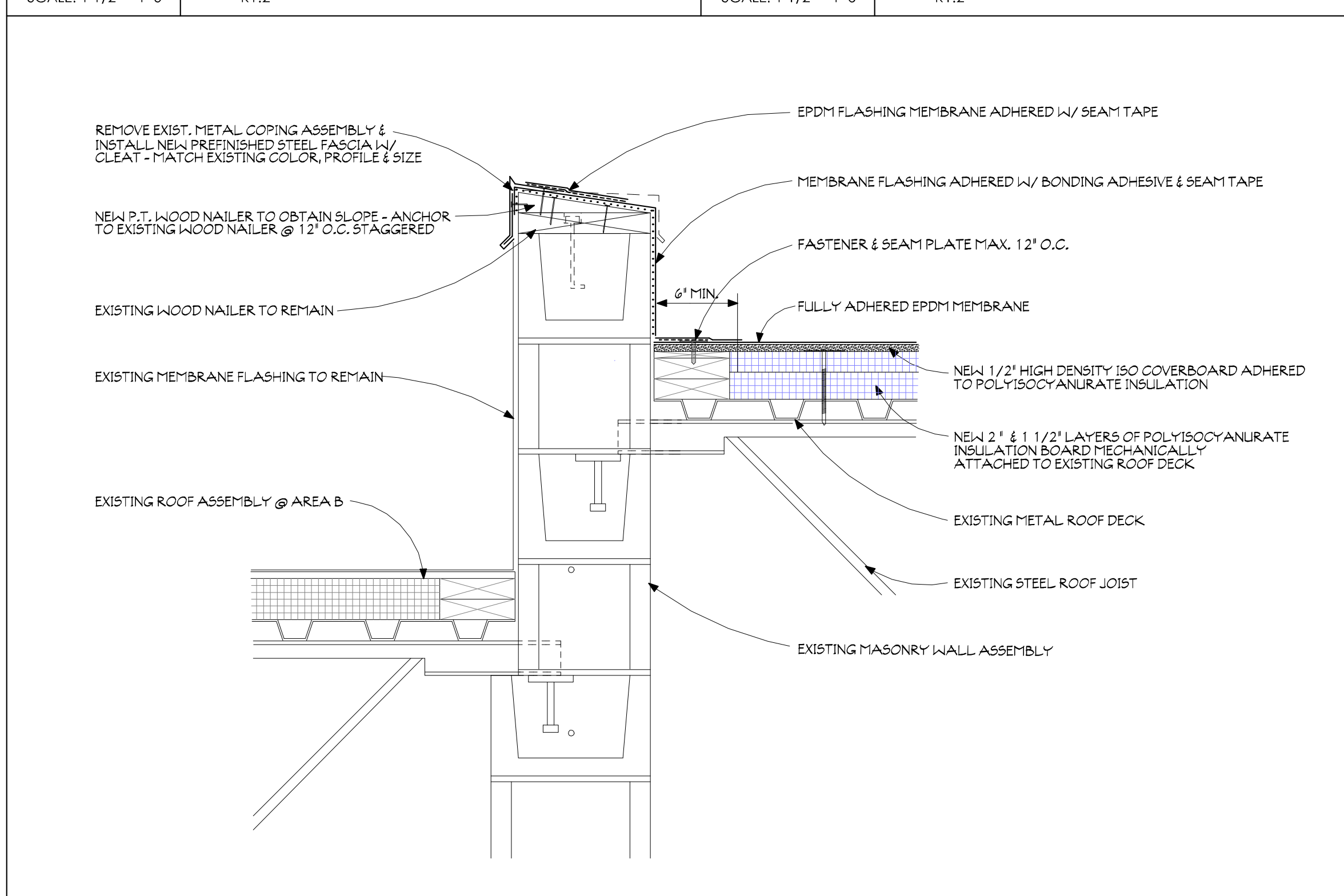
F13 **VENT THRU ROOF**
SCALE: 1 1/2" = 1'-0"



F17 **HOT STACK**
SCALE: 1 1/2" = 1'-0"



A1 **ROOF PLAN - OFFICE OF TECHNOLOGY**
SCALE: 1/8" = 1'-0"



A13 **PARAPET @ TIE-IN BETWEEN ROOF AREAS B & C**
SCALE: 1 1/2" = 1'-0"

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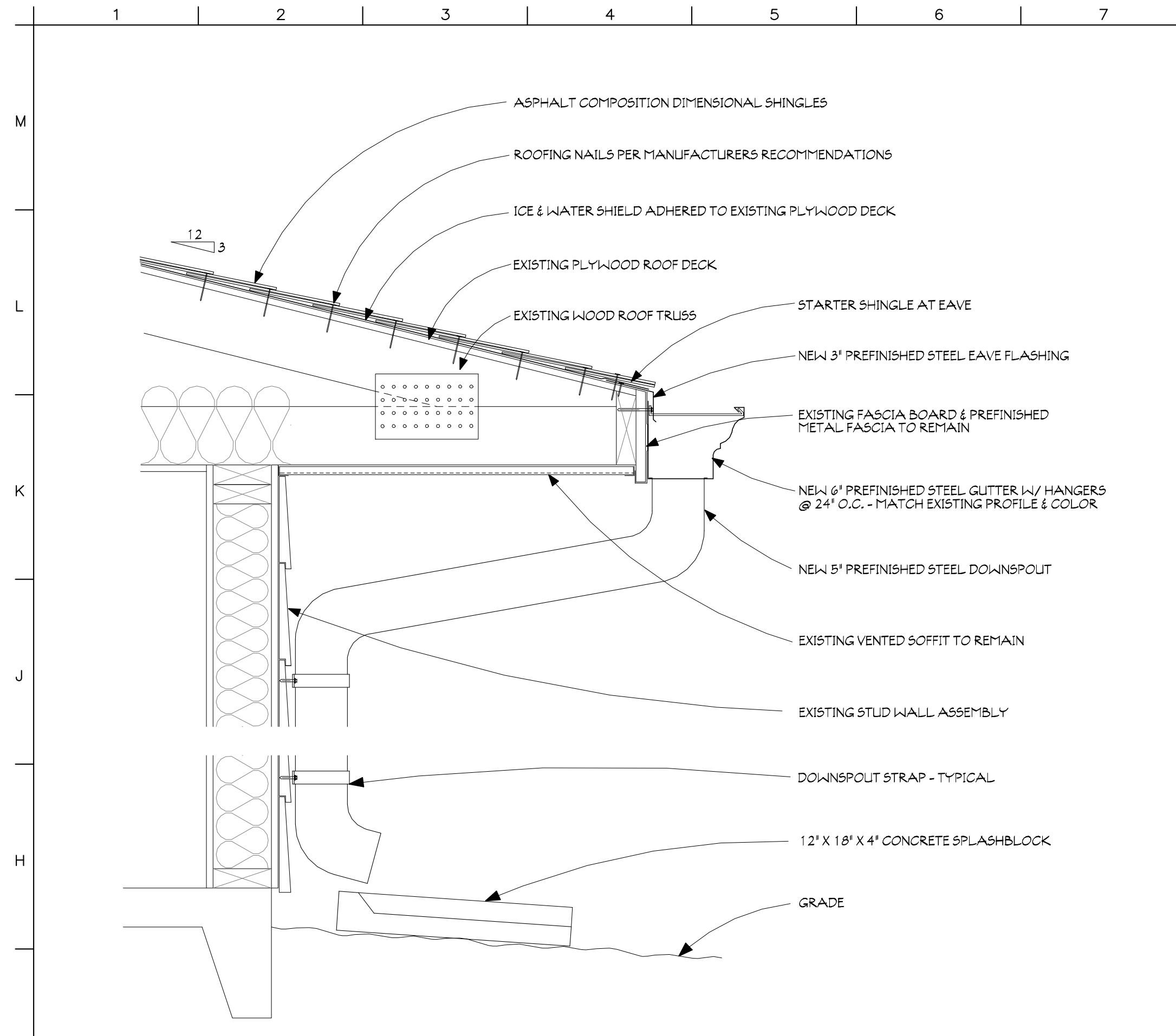
ARCHITECTS WEEKS AMBROSE McDONALD INC.
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PARTIAL ROOF REPLACEMENTS FOR
ANDERSON COUNTY BOARD OF EDUCATION
OFFICE OF TECHNOLOGY

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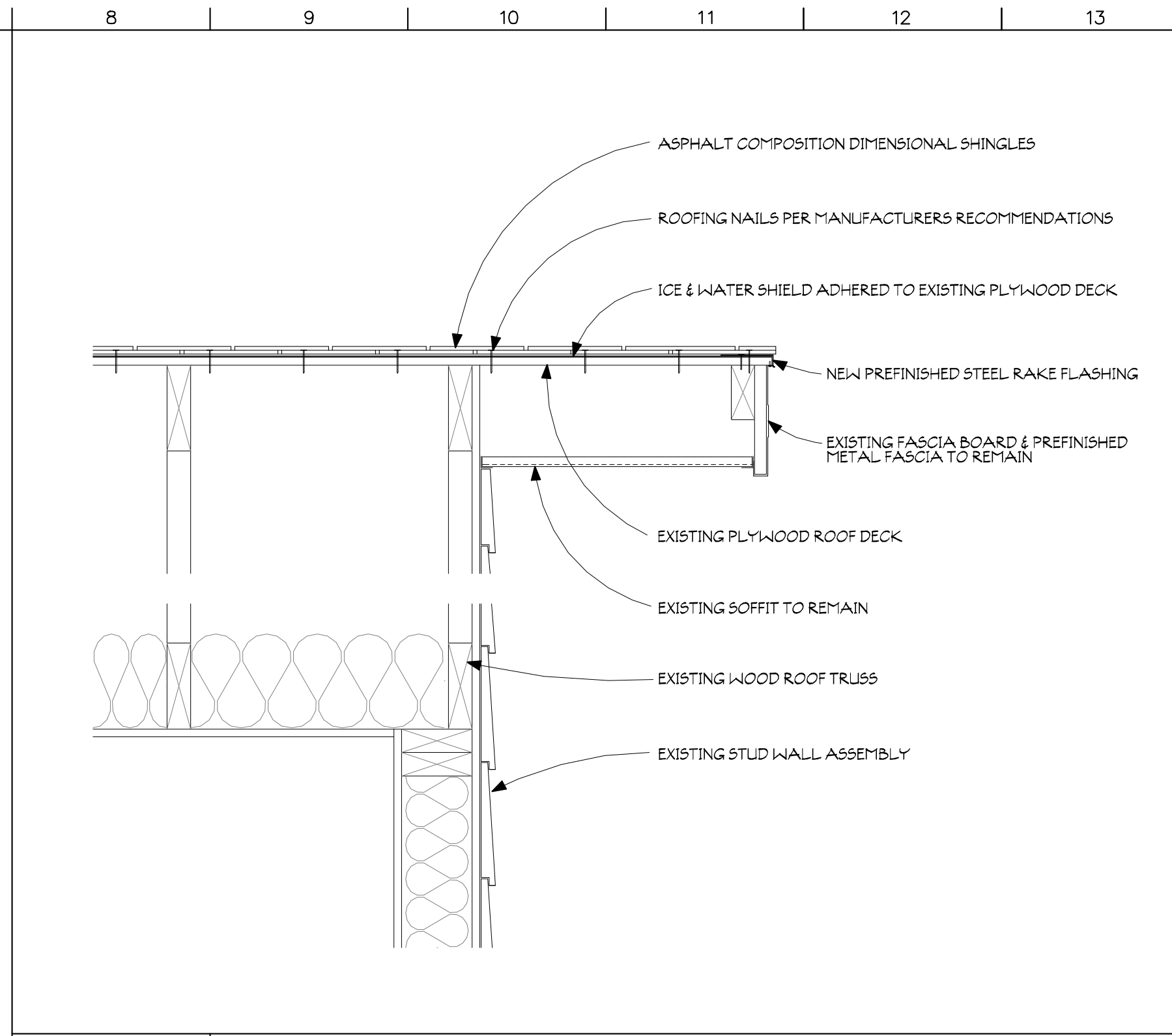
DATE	02-01-24
PROJECT NO.	23019
REFERENCE	R1.2-00T
DRAWN	BEM
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ROOF PLAN & DETAILS
R1.2



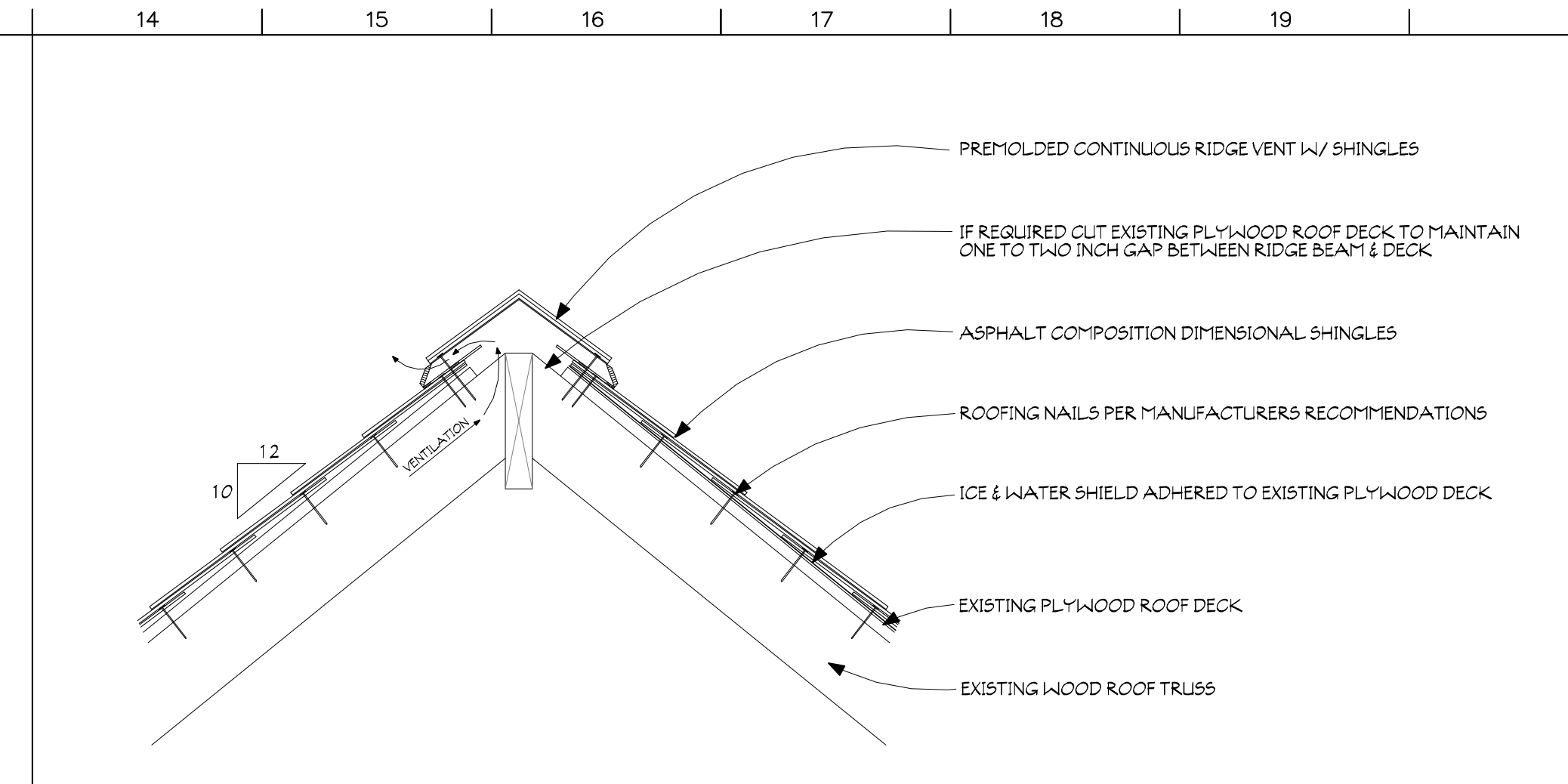
G1 EAVE W/ GUTTER & DOWNSPOUT

SCALE: 1 1/2" = 1'-0" R1.3



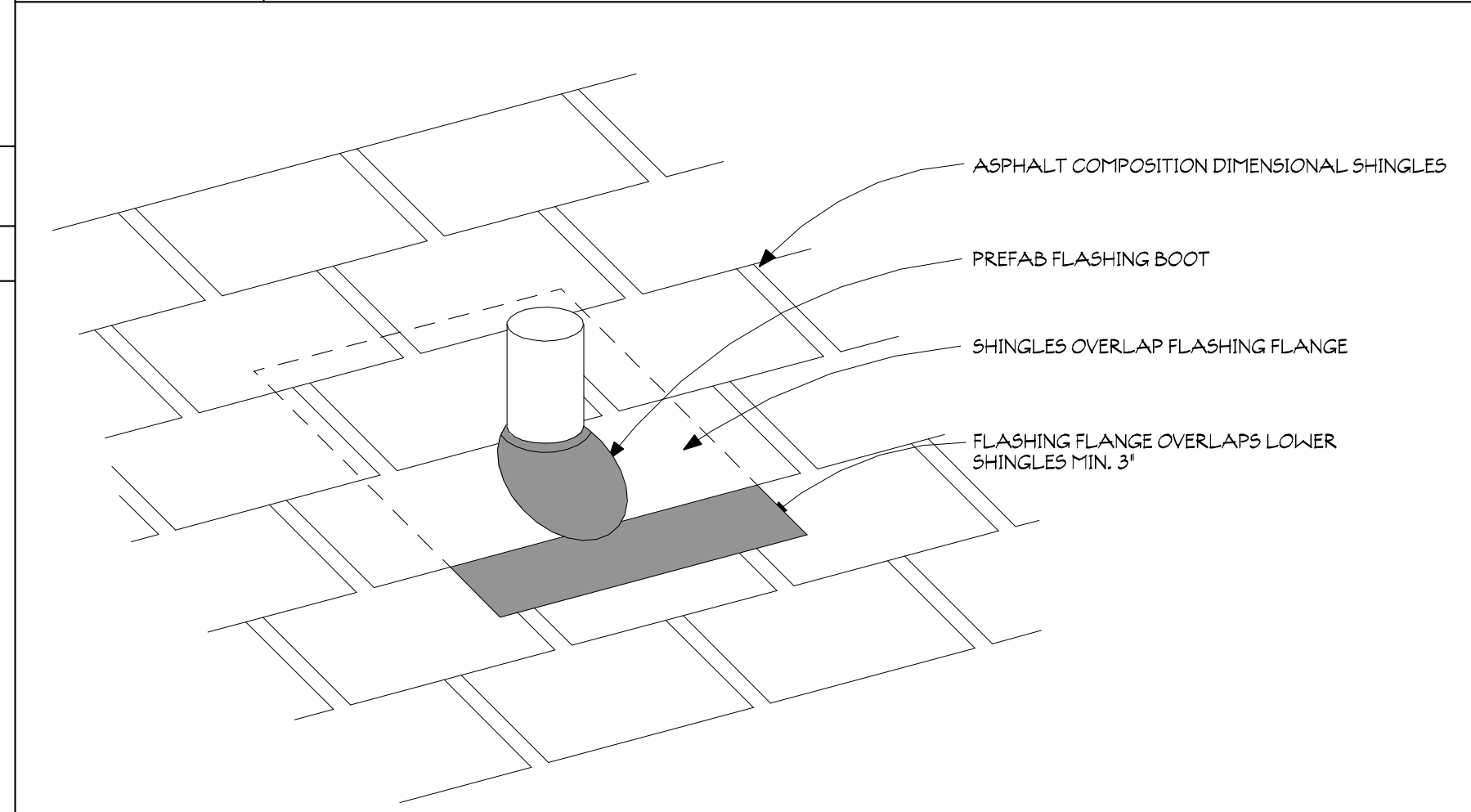
H8 RAKE

SCALE: 1 1/2" = 1'-0" R1.3



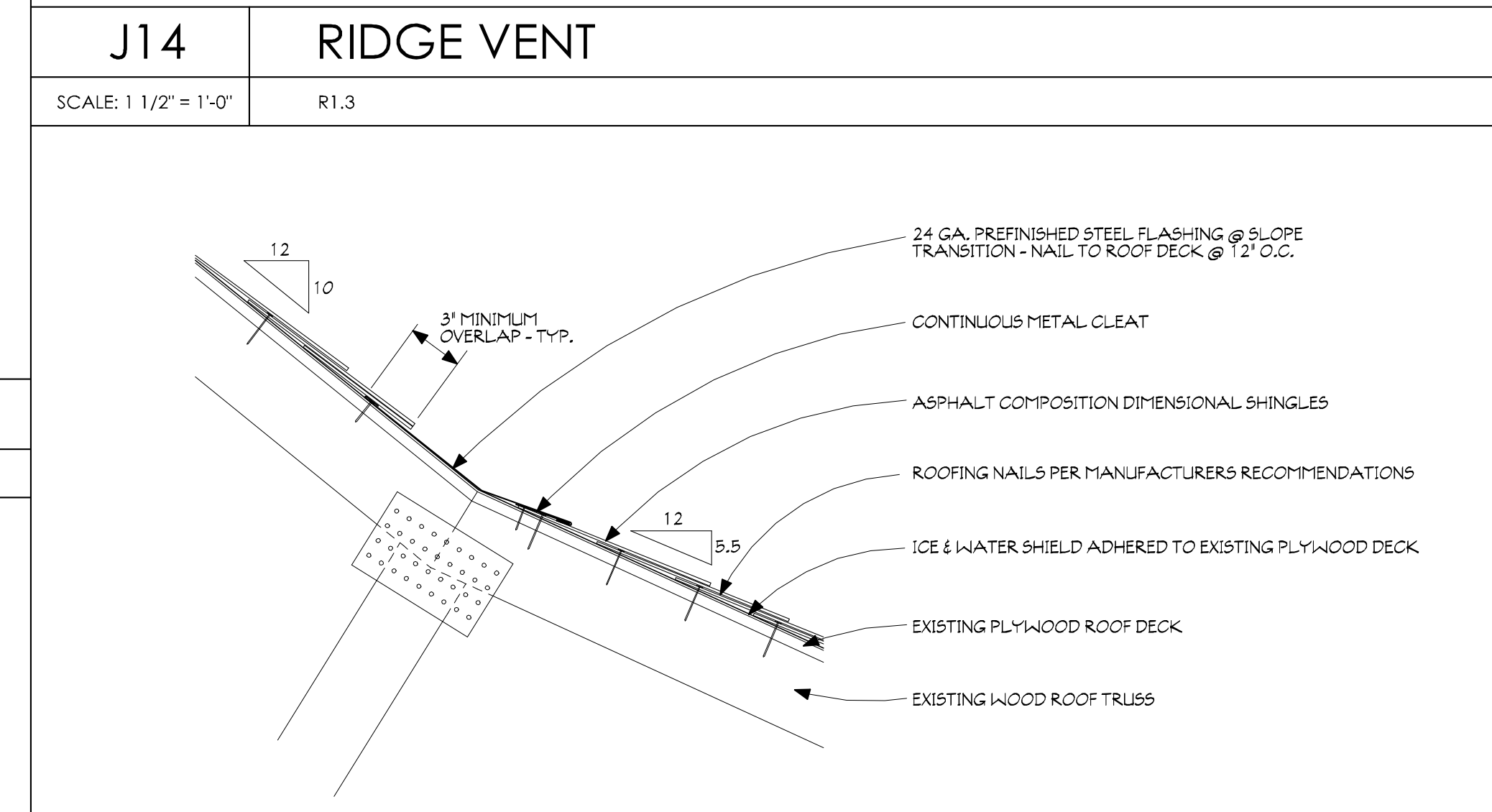
J14 RIDGE VENT

SCALE: 1 1/2" = 1'-0" R1.3



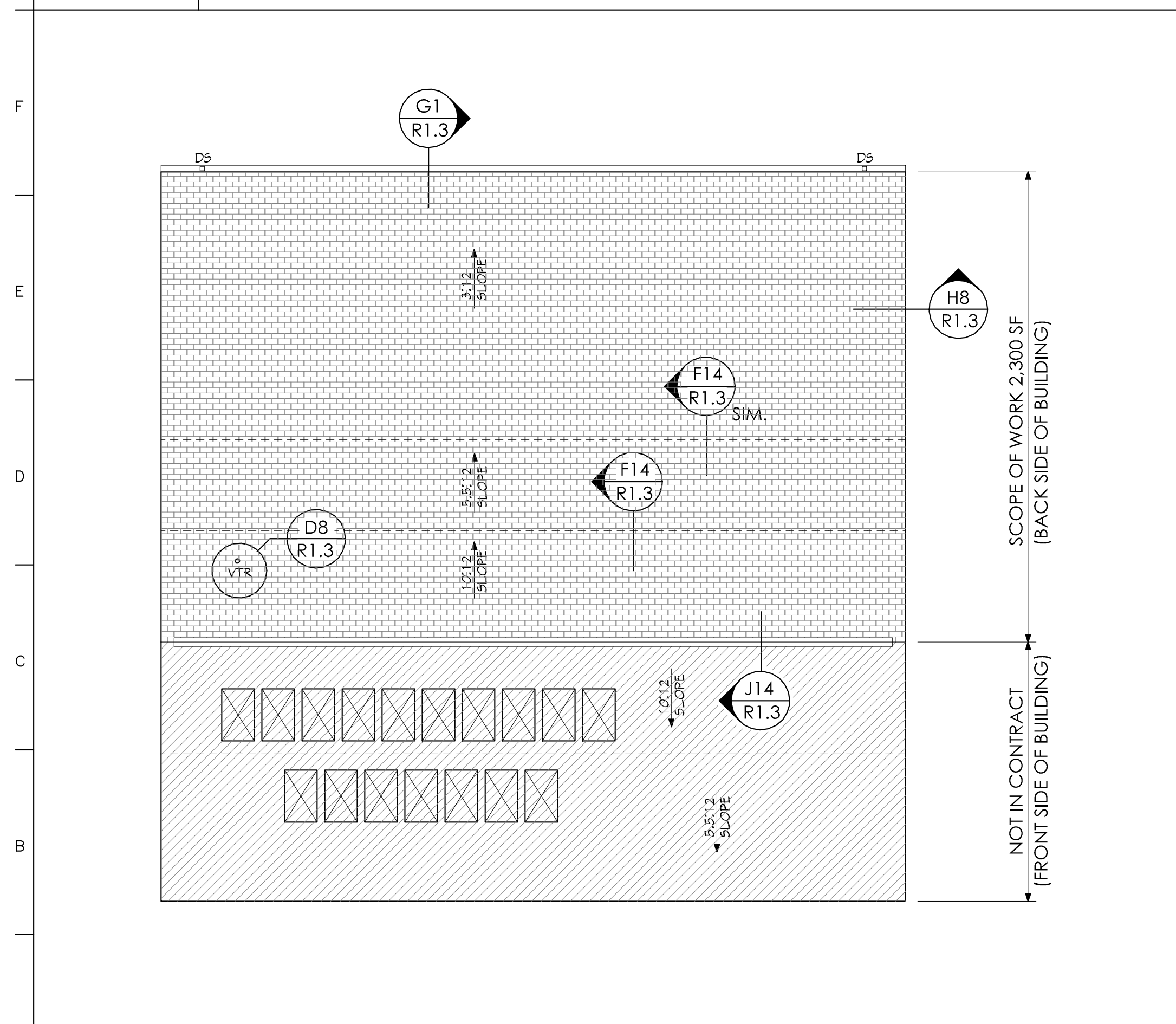
D8 VENT THRU ROOF

SCALE: 1 1/2" = 1'-0" R1.3



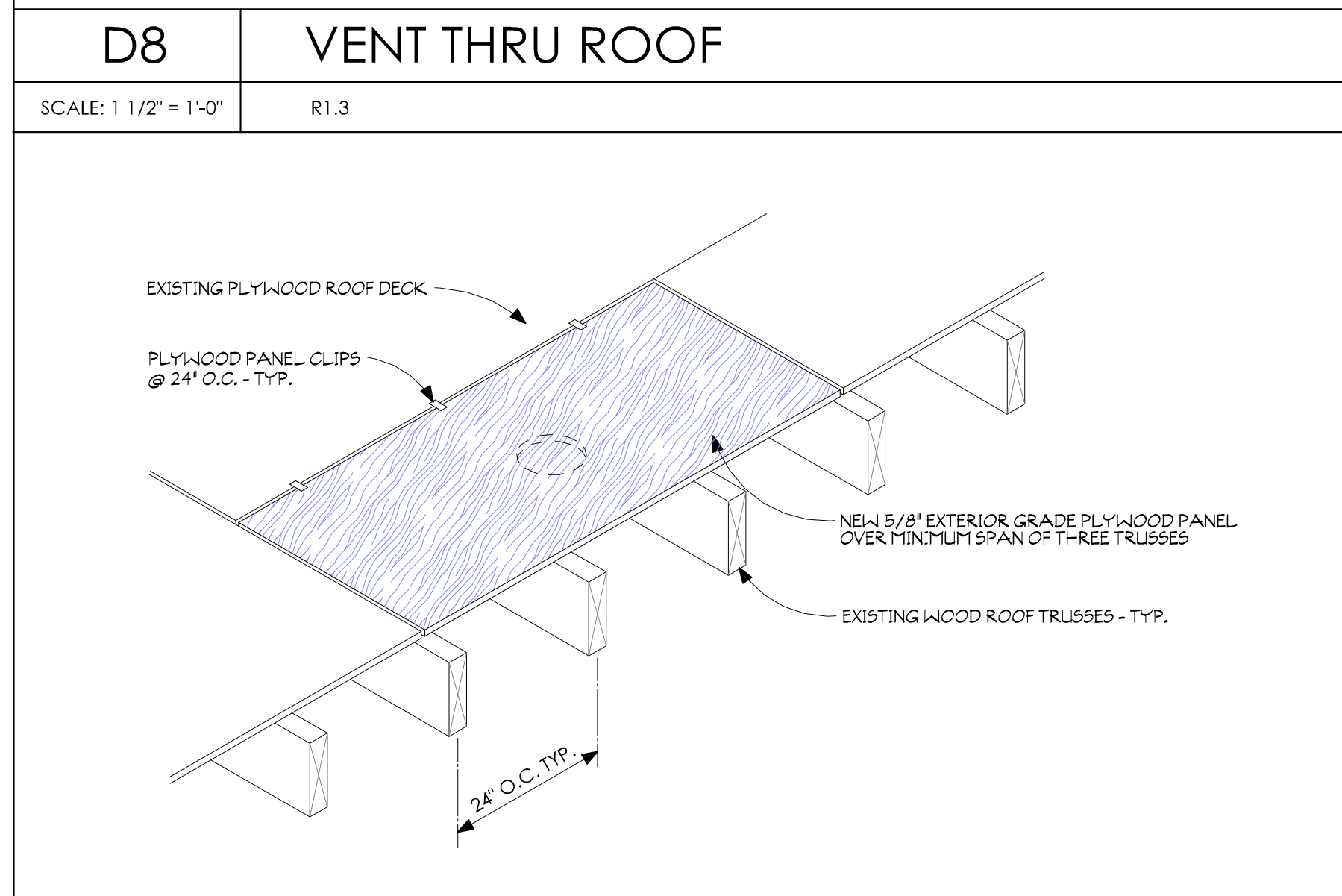
F14 SLOPE CHANGE FLASHING

SCALE: 1 1/2" = 1'-0" R1.3



A1 ROOF PLAN

SCALE: 1/8" = 1'-0"



A8 PLYWOOD ROOF DECK REPAIR

SCALE: 1 1/2" = 1'-0" R1.3

- F14** SLOPE CHANGE FLASHING
- CONTRACTOR SHALL VERIFY ALL INFORMATION INCLUDING DIMENSIONS AND ROOF PENETRATIONS PRIOR TO BIDDING.
 - SPECIAL PRECAUTIONS SHOULD BE TAKEN TO AVOID OVERLOADING OF THE ROOF STRUCTURE. DO NOT STACK MATERIALS WHICH WOULD ADD CONCENTRATED LOADS TO THE STRUCTURE.
 - INSPECT EXISTING VENT STACKS TO VERIFY THAT ALL JOINTS AND CONNECTIONS ARE TIGHT AND INTACT. NOTIFY ROOFING CONSULTANT IF ANY DEFICIENCIES ARE FOUND.
 - REVIEW INTERIOR TO AVOID PENETRATING EXISTING CONDUIT, ETC., BENEATH THE ROOF DECK.

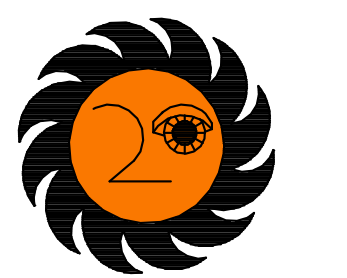
C18 GENERAL NOTES

NO SCALE R1.3

- EXISTING ROOFING SYSTEM CONSISTS OF DIMENSIONAL ASPHALT SHINGLE ROOFING OVER UNDERLAYMENT NAILED TO A PLYWOOD ROOF DECK.
- REMOVE THE EXISTING ASPHALT SHINGLES & UNDERLAYMENT DOWN TO THE EXISTING PLYWOOD DECK & PROPERLY DISPOSE OFF SITE.
- IF ANY AREAS HAVE DETERIORATED DECK, DEEMED UNSUITABLE FOR THE NEW ROOFING SYSTEM, NOTIFY ROOF CONSULTANT IMMEDIATELY AND REPLACE ANY UNSUITABLE DECK AS DIRECTED BY THE ROOF CONSULTANT. SEE DETAIL A8/R1.3.
- NAIL NEW ICE & WATER SHIELD TO THE EXISTING PLYWOOD ROOF DECK.
- NAIL NEW DIMENSIONAL SHINGLES TO EXISTING PLYWOOD ROOF DECK TO MEET MINIMUM WIND UPLIFT REQUIREMENTS & 30-YEAR WARRANTY.
- REPLACE ALL EXISTING FLASHINGS & RIDGE VENT. INSTALL GUTTERS & DOWNSPOUTS AS SHOWN ON THE DRAWINGS. INSTALL NEW CONCRETE SPLASHBLOCKS AT GRADE.

A18 ROOFING NOTES

NO SCALE R1.3



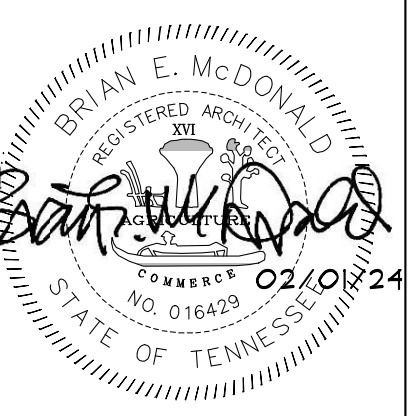
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PARTIAL ROOF REPLACEMENTS FOR
ANDERSON COUNTY BOARD OF EDUCATION NET ZERO BUILDING

DATE	02-01-24
PROJECT NO.	23019
REFERENCE	R1.3-NZB
DRAWN	BEM
CHECKED	VW/BEM
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ROOF PLAN & DETAILS R1.3