

SEAL

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REVISIONS		
NO.	DESCRIPTION	DATE

JOB NO. **2047**

ISSUE DATE **2-5-2021**

SHEET TITLE **ROOF PLAN AND DETAILS**

DRAWN **RMT**

REVIEW **BAH**

**A5.1**

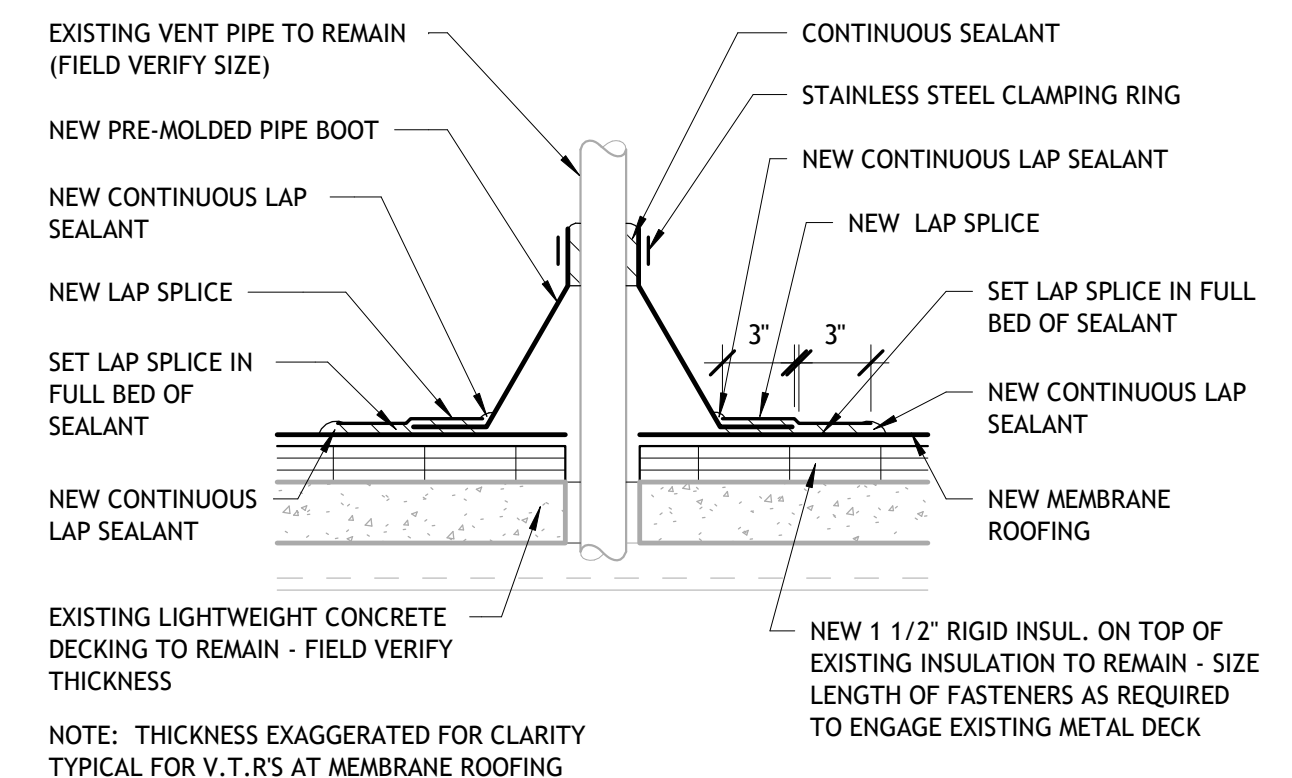
### SYMBOL LEGEND

VTR - VENT THRU ROOF (SEE DETAILS AND PLUMBING DRAWINGS FOR MORE INFORMATION.)  
RTU - ROOF TOP UNIT W/ CURB (SEE DETAIL X.AX.X FOR CURB DETAIL.)

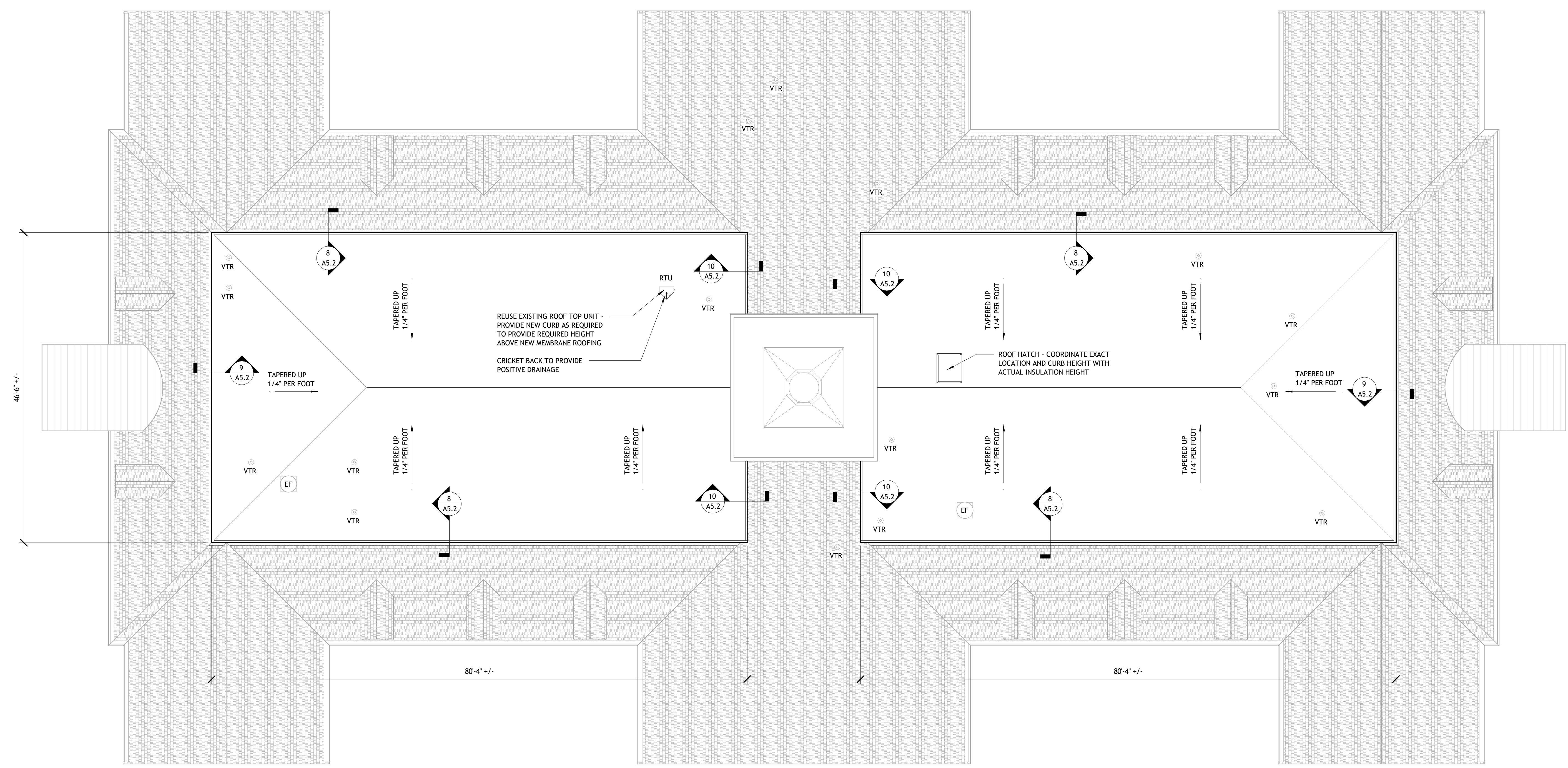
- EXISTING SHINGLE ROOF TO REMAIN
- MEMBRANE ROOFING ON 4" BASE LAYER OF INSULATION W/ TAPERED INSULATION (1/4" PER FOOT) AS REQUIRED FOR ROOF SLOPE - UNLESS OTHERWISE NOTED
- MEMBRANE ROOFING ON RIGID TAPERED INSULATION, MIN. 1 1/2"
- EXISTING COPPER METAL ROOFING

### ROOF GENERAL NOTES

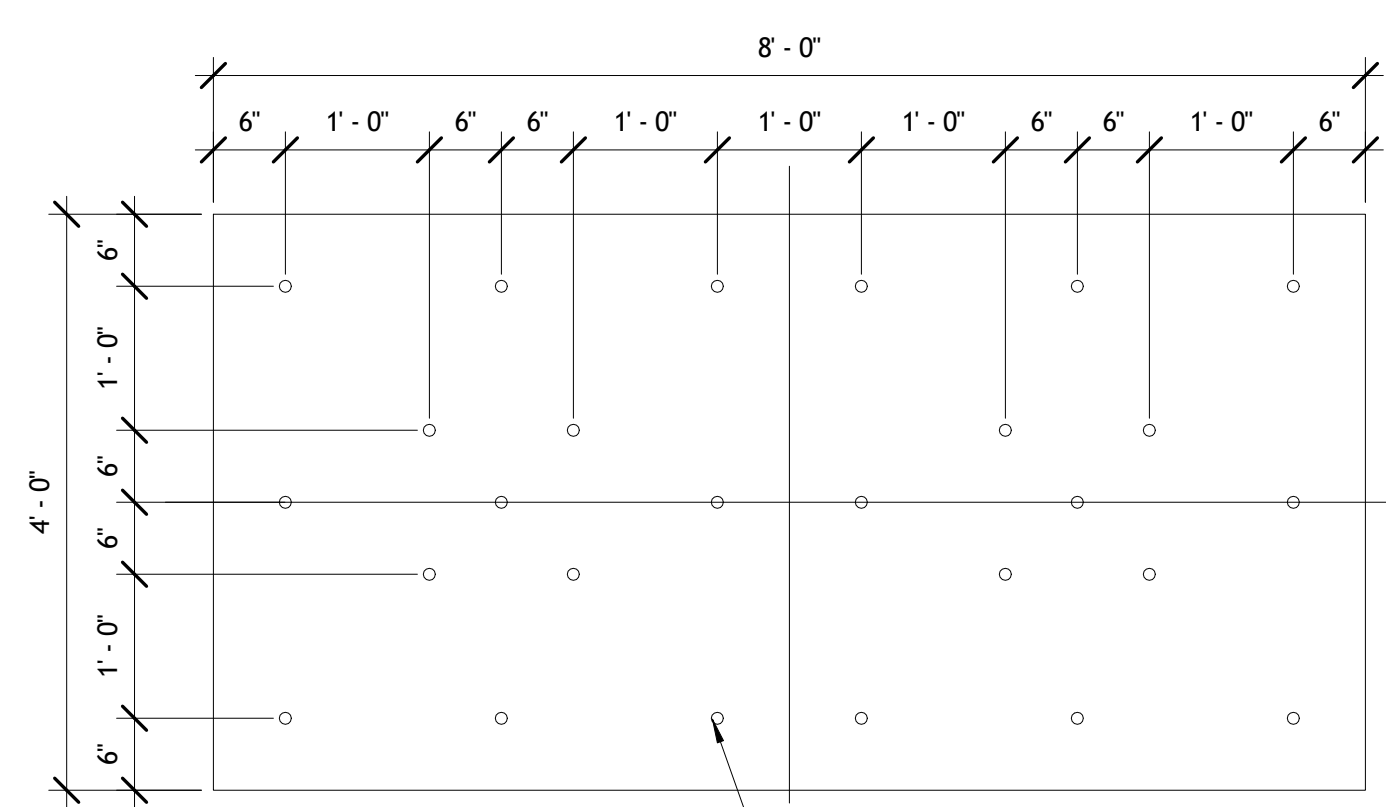
- ROOF PLAN IS FOR REFERENCE ONLY; THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE, VERIFYING ALL ROOF CONDITIONS, HEIGHTS AND PENETRATIONS PRIOR TO SUBMITTING A BID. NO CHANGE ORDERS WILL BE ISSUED DUE TO DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS AND QUANTITIES OF THE REQUIRED SCOPE OF WORK NECESSARY TO COMPLY WITH MANUFACTURER'S WARRANTY REQUIREMENTS PRIOR TO SUBMITTING A BID. NO CHANGE ORDERS WILL BE ISSUED DUE TO DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE INTERIOR OF THE BUILDING FROM DAMAGE DURING THE EXTENT OF THE PROJECT. ANY DAMAGE TO THE BUILDING AND ITS CONTENTS CAUSED BY WEATHER DURING THE RE-ROOF PROCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE.
- WHEN REMOVING EXISTING ROOFING MATERIAL, AND ADDING ROOF INSULATION AND MEMBRANE, CONTRACTOR SHALL NOT REMOVE MORE ROOFING MATERIAL THAN CAN BE REPLACED WITH NEW BY THE END OF THE WORK DAY. CONTRACTOR SHALL ALWAYS LEAVE BUILDING IN WEATHER-TIGHT CONDITION BY COMPLETING WORK IN SECTIONS OR MAKING USE OF TEMPORARY COVERINGS AS REQUIRED.
- WHERE OVERHEAD WORK IS GOING ON, SUCH AS LIFTING MATERIALS ONTO ROOF OR DEMOLITION OF EXISTING ROOF SYSTEM, PROTECT DOORWAYS TO PREVENT HARM TO BUILDING OCCUPANTS INADVERTENTLY EXITING INTO WORK ZONE. COORDINATE EXTENT OF BARRIERS REQUIRED WITH BUILDING OWNER.
- ALL DEBRIS FROM THE DEMOLITION WORK SHALL BE DISPOSED OFF SITE UNLESS SPECIFICALLY NOTED OTHERWISE. IT IS IMPERATIVE THAT THE CONTRACTOR CLEAN UP AS WORK PROGRESSES, AND NOT ALLOW QUANTITIES OF DEBRIS TO ACCUMULATE. PROVIDE BARRIER AROUND ALL WORK AREAS, MATERIAL STORAGE SITES, ETC. BARRIER TO BE 6'-0" HIGH MINIMUM.
- REPAIR GRASSSED AREAS (FILL RUTS, LEVEL LAWN AREAS, SMOOTH, ETC.), RESEED AND MULCH WITH WHEAT STRAW) AT LOCATIONS WHERE EQUIPMENT WAS DRIVEN ONTO LAWN, DUMPER, ETC. TO ORIGINAL CONDITION AFTER COMPLETION OF CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THE EXISTING PAVING AS A RESULT OF THIS WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. PROTECT ALL EXISTING TREES AROUND BUILDING FROM THE WORK.
- ALL ROOFTOP UNITS, EXHAUST FANS, PIPING, VENTS, ETC. AND OTHER ROOF FEATURES ARE TO REMAIN UNLESS NOTED OTHERWISE.
- PROVIDE SEALANT AT PERIMETER SUBSTRATE AND JOINT CONDITIONS FOR COMPATIBILITY WITH ROOFING MATERIAL AS RECOMMENDED BY ROOFING MANUFACTURER.
- ROOF DETAILS SHOWN ARE INTENDED TO REPRESENT TYPICAL CONDITIONS. COORDINATE INSTALLATION OF NEW ROOF SYSTEMS WITH ACTUAL CONDITIONS IN FIELD, AND ROOF SYSTEM MANUFACTURER'S WARRANTY REQUIREMENTS. ASSURE THAT A WATERTIGHT, WARRANTED ROOF SYSTEM IS OBTAINED.
- REWORK EXISTING CURBS AS REQUIRED TO ACCOMMODATE NEW ROOF INSTALLATION. RAISE CURBS AS REQUIRED TO MEET MANUFACTURER'S FLASHING HEIGHT REQUIREMENTS FOR WARRANTY COMPLIANCE. ANY NEW CURB TO BE INSTALLED PER DETAIL 5 / A5.2.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING DAMAGE TO EXISTING BUILDING CAUSED BY CONSTRUCTION ACTIVITIES. IN CASE OF DAMAGE TO BUILDING'S ELECTRICAL OR LOW-VOLTAGE SYSTEMS, REPAIRS SHALL BE DONE BY ENTITY AS SELECTED BY OWNER. CONTACT INFORMATION WILL BE PROVIDED BY OWNER.
- ROOF TOP PENETRATIONS SHOWN MAY NOT BE ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT REQUIREMENTS.
- TAPERED INSULATION SHALL SLOPE 1/4" PER 1'-0" MINIMUM.
- COORDINATE THE ROOF EDGE FLASHING AND WOOD BLOCKING DEPTHS AS REQUIRED TO ACCOMMODATE THE ACTUAL TAPERED INSULATION THICKNESS.
- ALL EDGE METAL SHALL FASTEN TO WOOD BLOCKING PER DETAIL 6 / A5.2.
- ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED. TWO FASTENERS PER STUD TYPICAL.
- COORDINATE MECHANICAL UNIT LOCATIONS WITH ACTUAL INSULATION HEIGHT TO PROVIDE A MINIMUM OF 6" BETWEEN ROOF AND TOP OF CURBS. (SEE DETAILS 7 / A5.2)
- PROVIDE MEMBRANE ROOF WALKWAY PADS AROUND HVAC UNITS AND ROOF HATCHES.
- PROVIDE TAPERED INSULATION CRICKETS ON THE UPSHILL SIDE OF ROOF TOP EQUIPMENT.
- COORDINATE THE ROOF EDGE FLASHING AND WOOD BLOCKING DEPTHS AS REQUIRED TO ACCOMMODATE THE ACTUAL TAPERED INSULATION THICKNESS.
- COORDINATE VTR LOCATIONS WITH ACTUAL INSULATION HEIGHT TO PROVIDE PROPER VTR HEIGHT ABOVE NEW MEMBRANE ROOFING



**EXISTING VTR DETAIL**  
1 1/2" = 1'-0" **2**



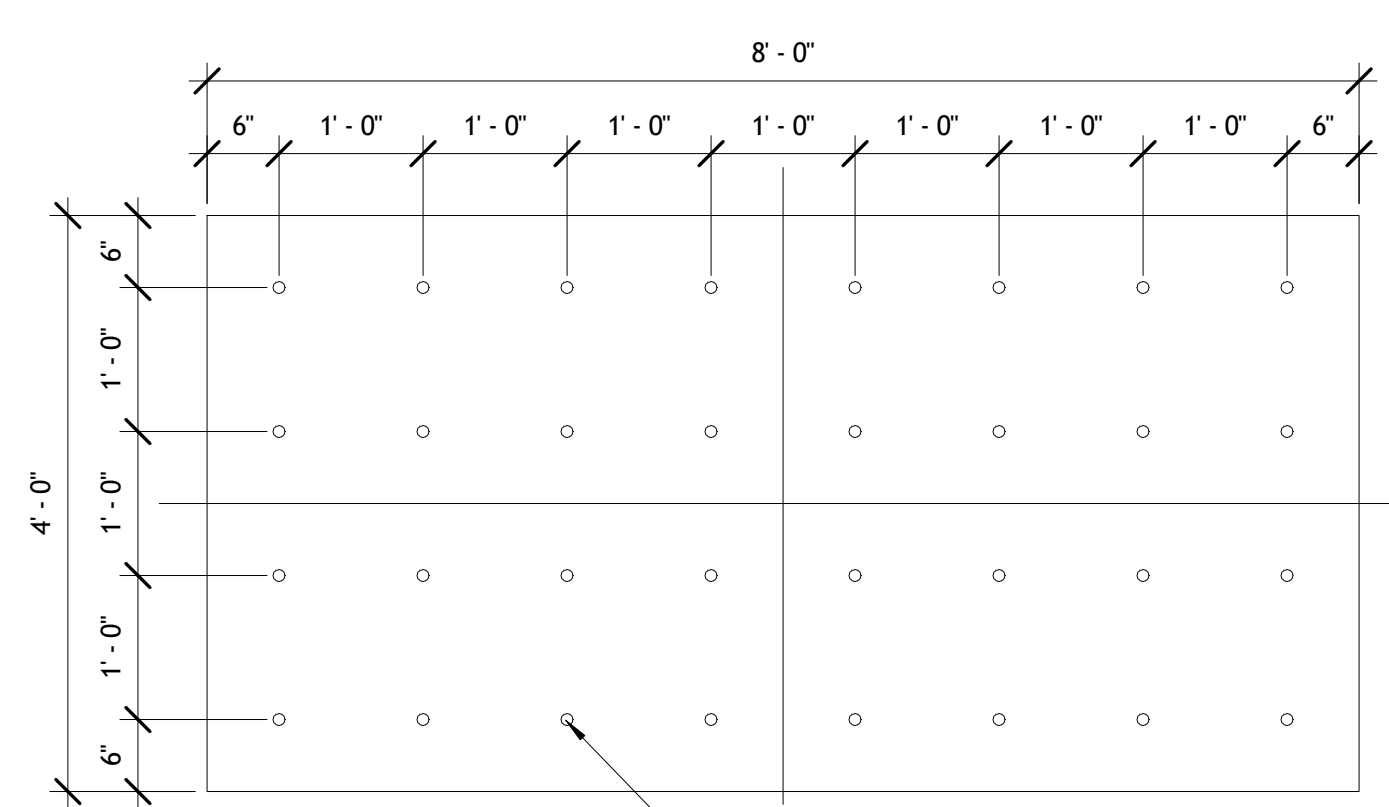
**ROOF PLAN**  
1/8" = 1'-0"  
TRUE NORTH PLAN NORTH



### INSULATION ATTACHMENT

3/4" = 1'-0" FOR EDGE PANELS

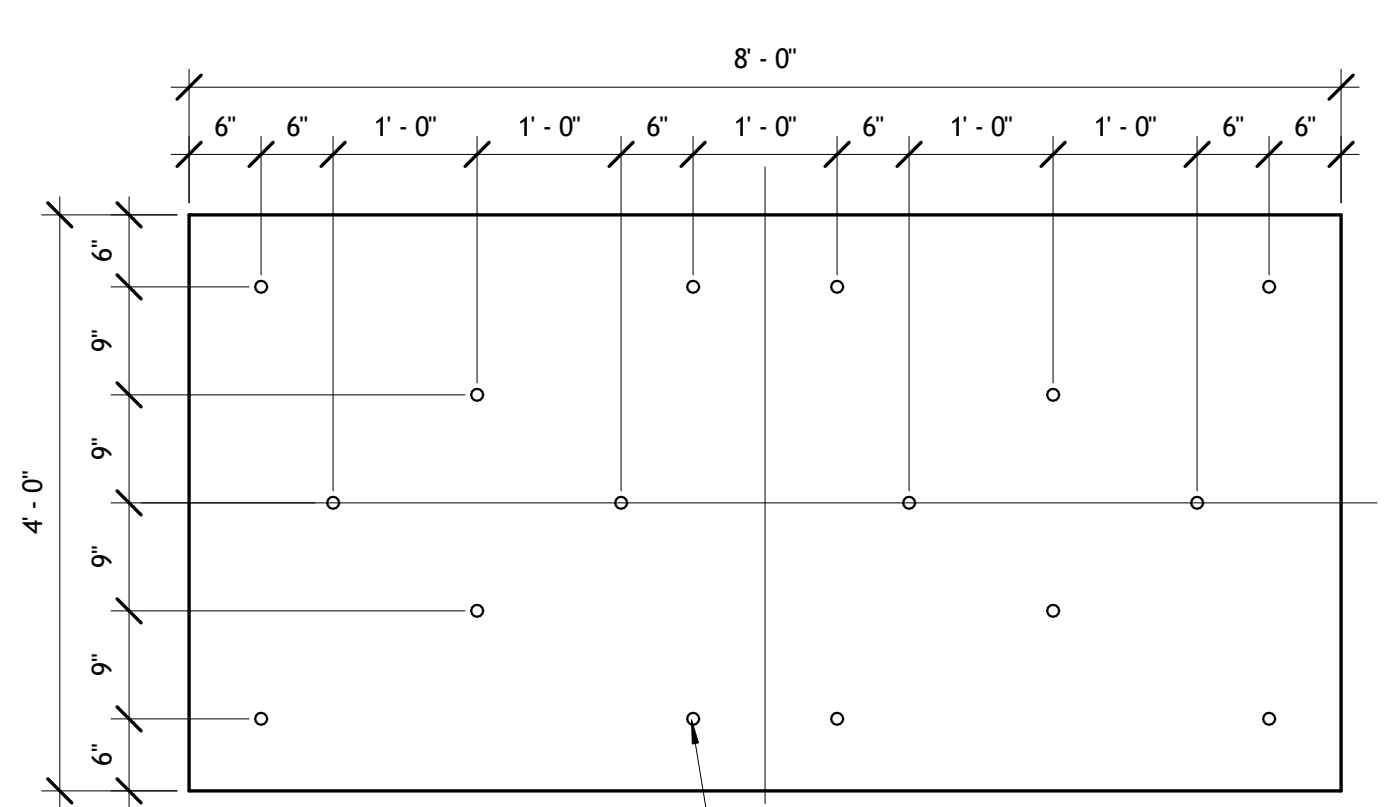
1



### INSULATION ATTACHMENT

3/4" = 1'-0" FOR CORNER PANELS

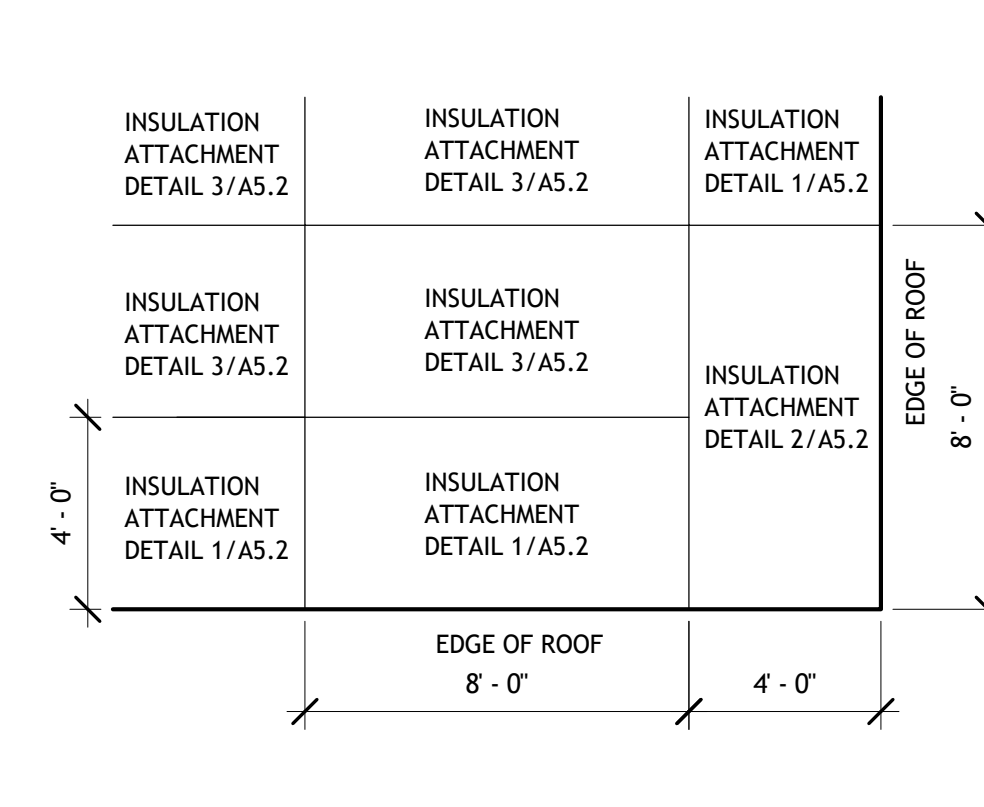
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### INSULATION ATTACHMENT

3/4" = 1'-0" FOR FIELD PANELS

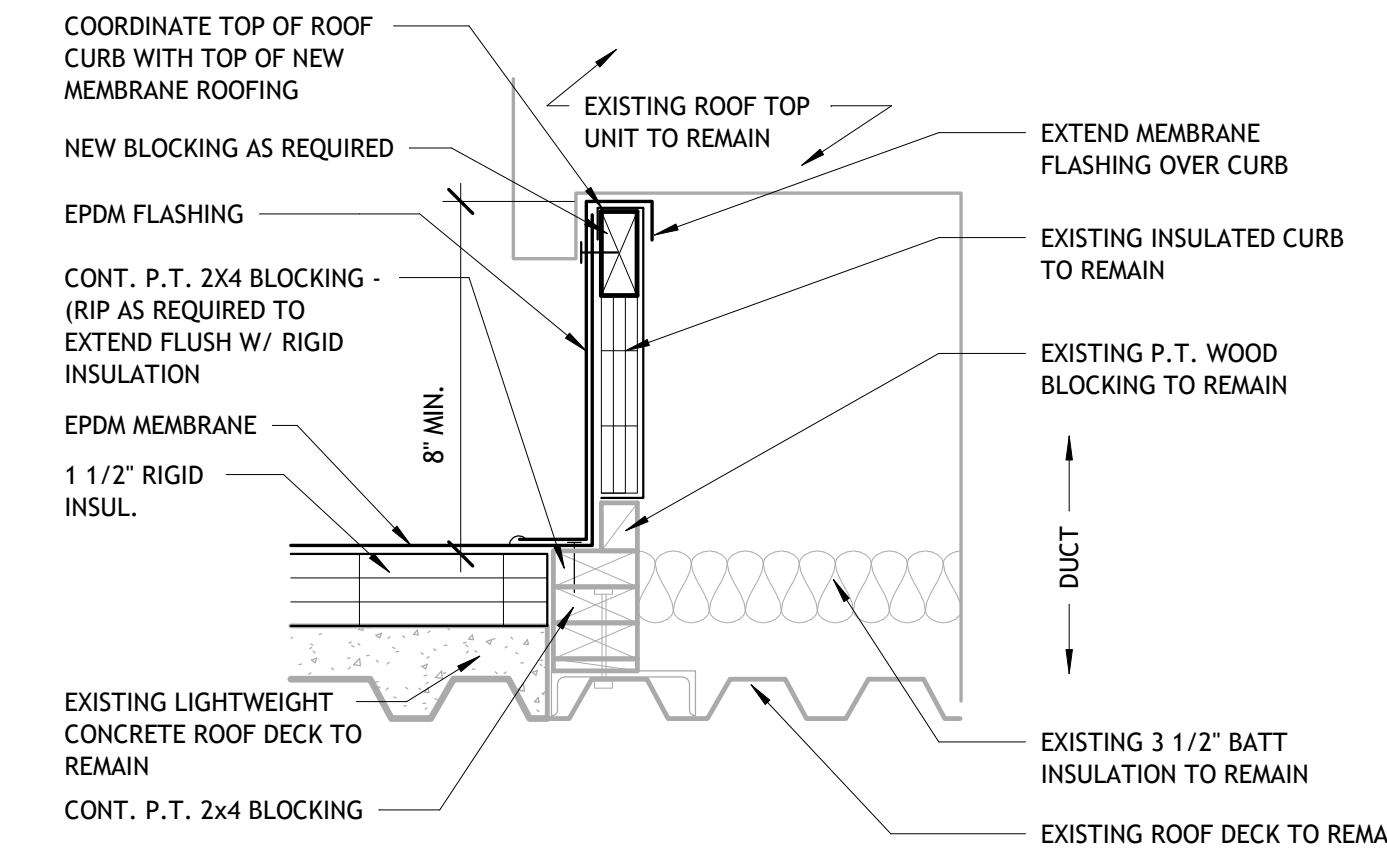
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### INSULATION ATTACHMENT

N.T.S.

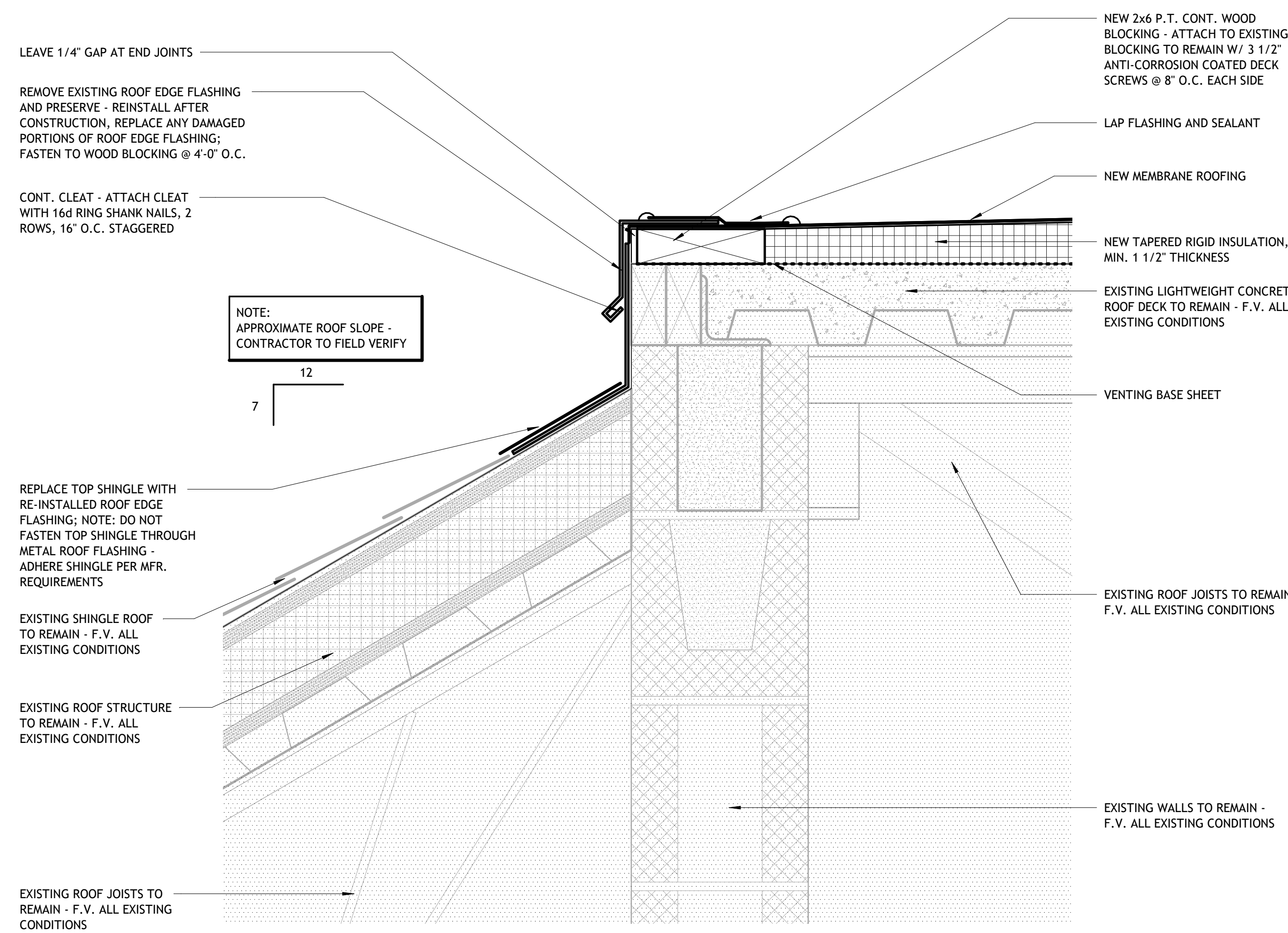
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### RTU CURB DETAIL

1 1/2" = 1'-0"

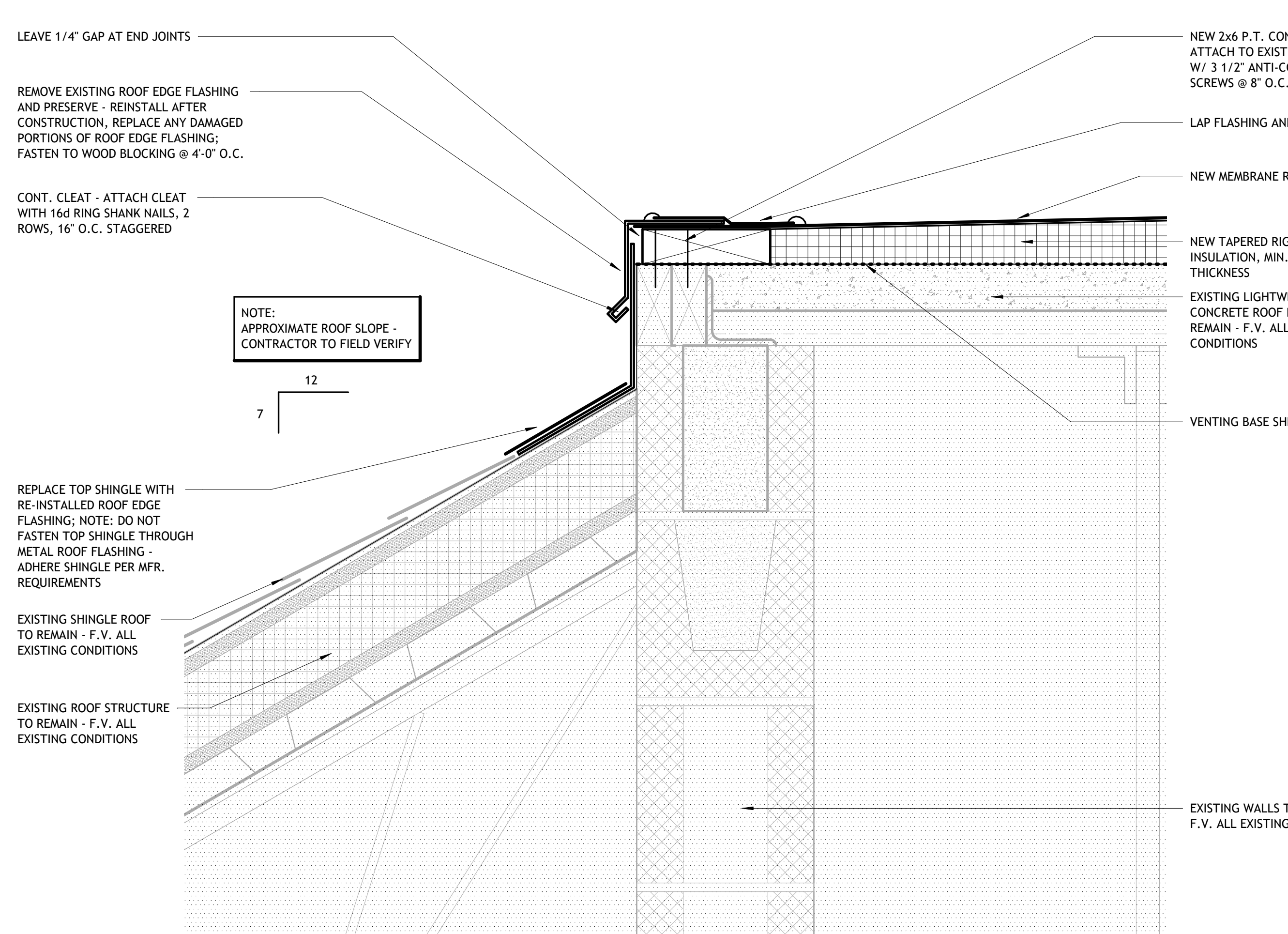
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### ROOF DETAIL

3" = 1'-0"

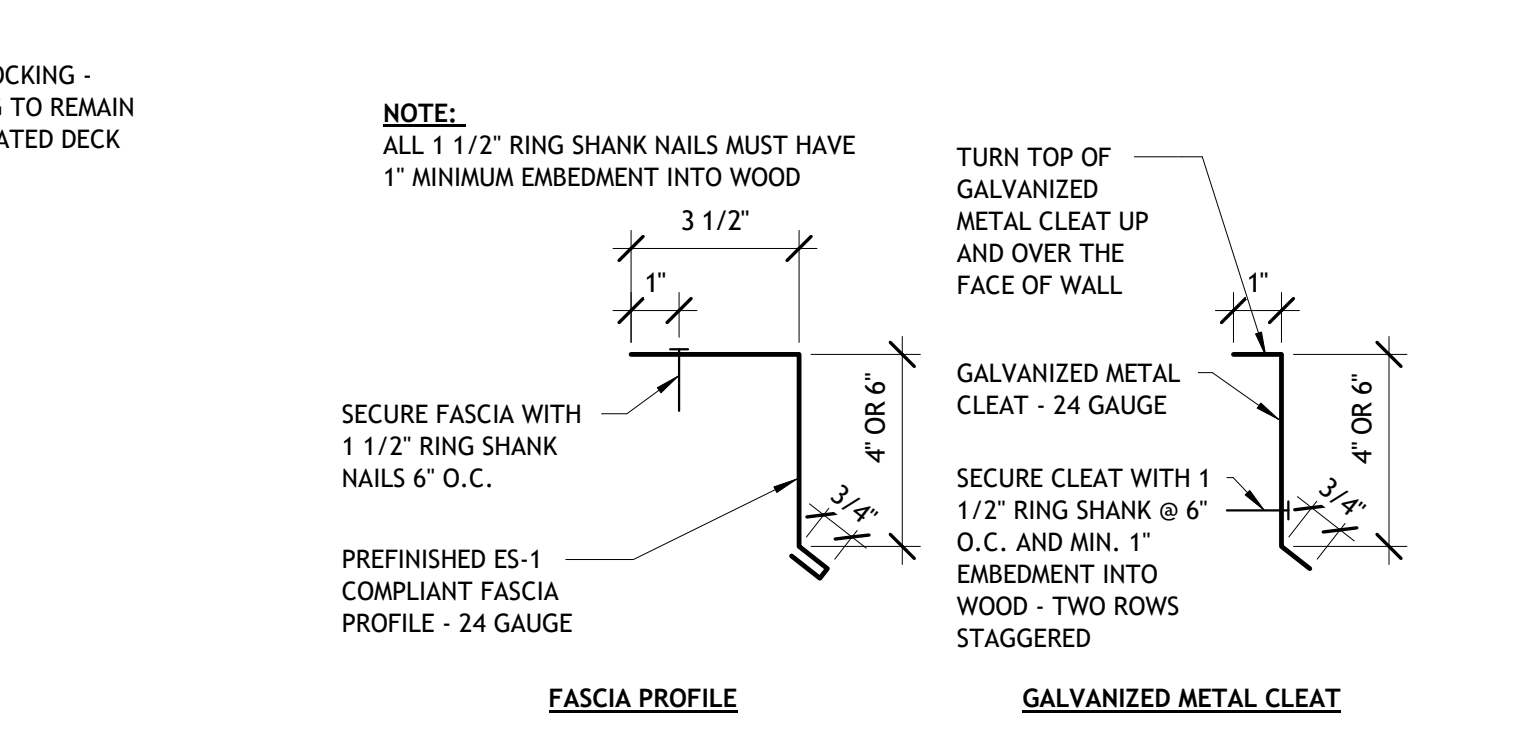
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### ROOF DETAIL

3" = 1'-0"

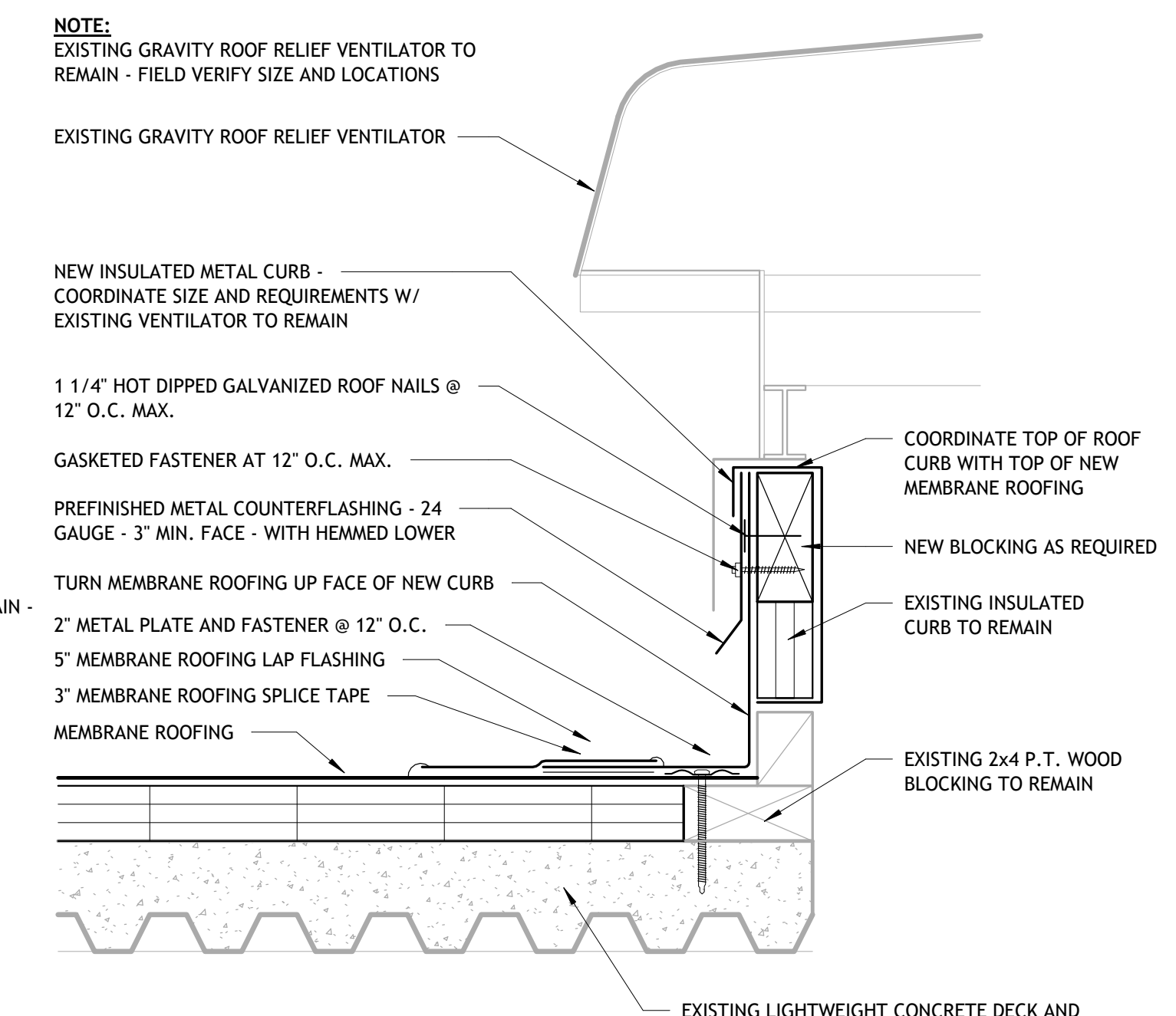
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### ES-1 COMPLIANT FASCIA

3" = 1'-0"

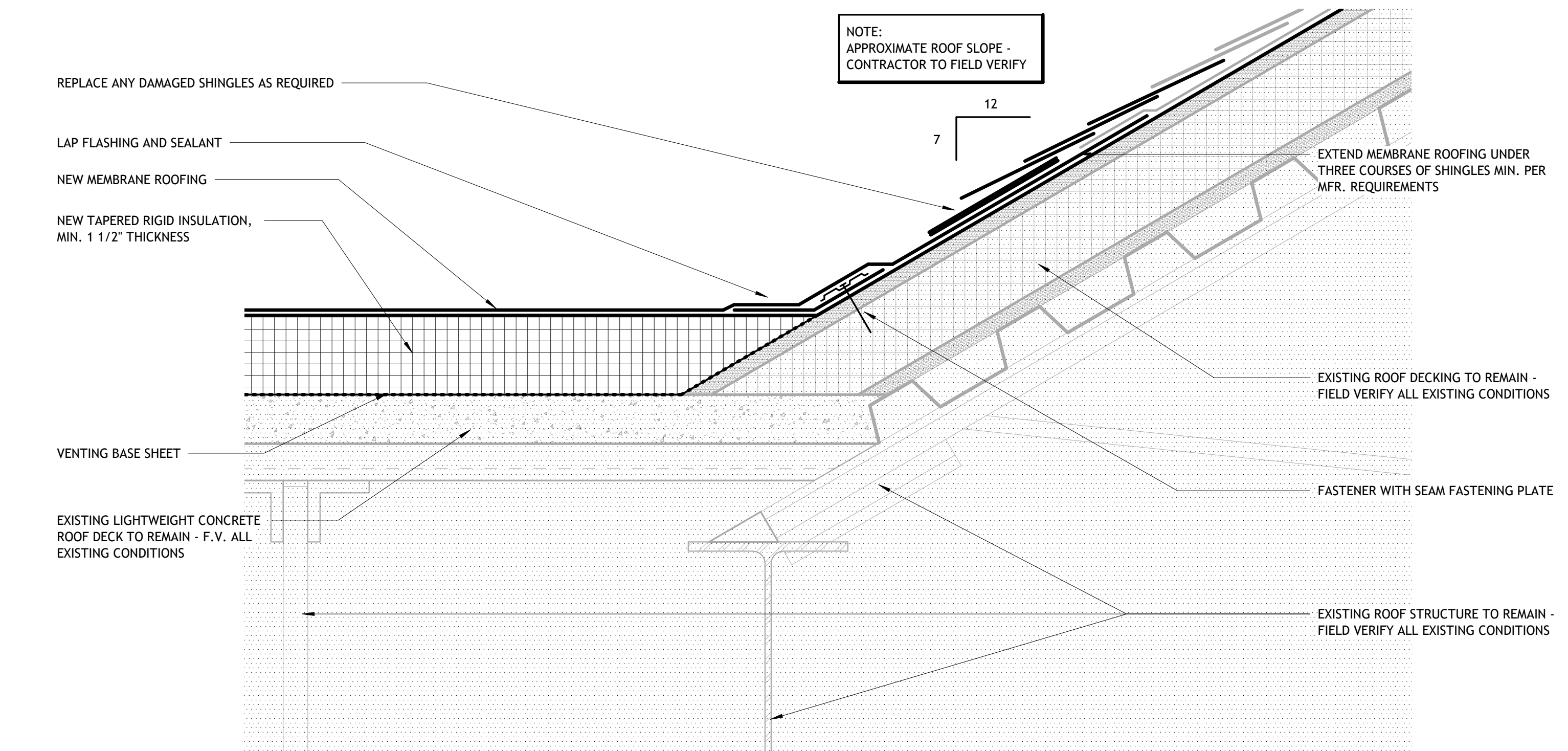
6



### GRAVITY ROOF VENT

3" = 1'-0"

7



### ROOF DETAIL

3" = 1'-0"

10