

Mansfield Middle School Roof Replacement & Photovoltaic Project

Town of Mansfield

205 Spring Hill Road
Storrs, Connecticut 06268



SCHEMATIC DESIGN SUBMISSION

DRAWING LIST:

- CS - Cover Sheet
- A1 - Overall Roof Plan
- A2 - Roof Details
- E1 - Ballasted Photovoltaic System Plan
- E2 - Attached to Structure Photovoltaic System Plan



SILVER / PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers

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TOWN OF MANSFIELD OFFICIALS:

Building Inspector: _____

Fire Marshal: _____

Sanitarian/Health Inspector: _____

ADA/504 Coordinator: _____

State Project # RR PV

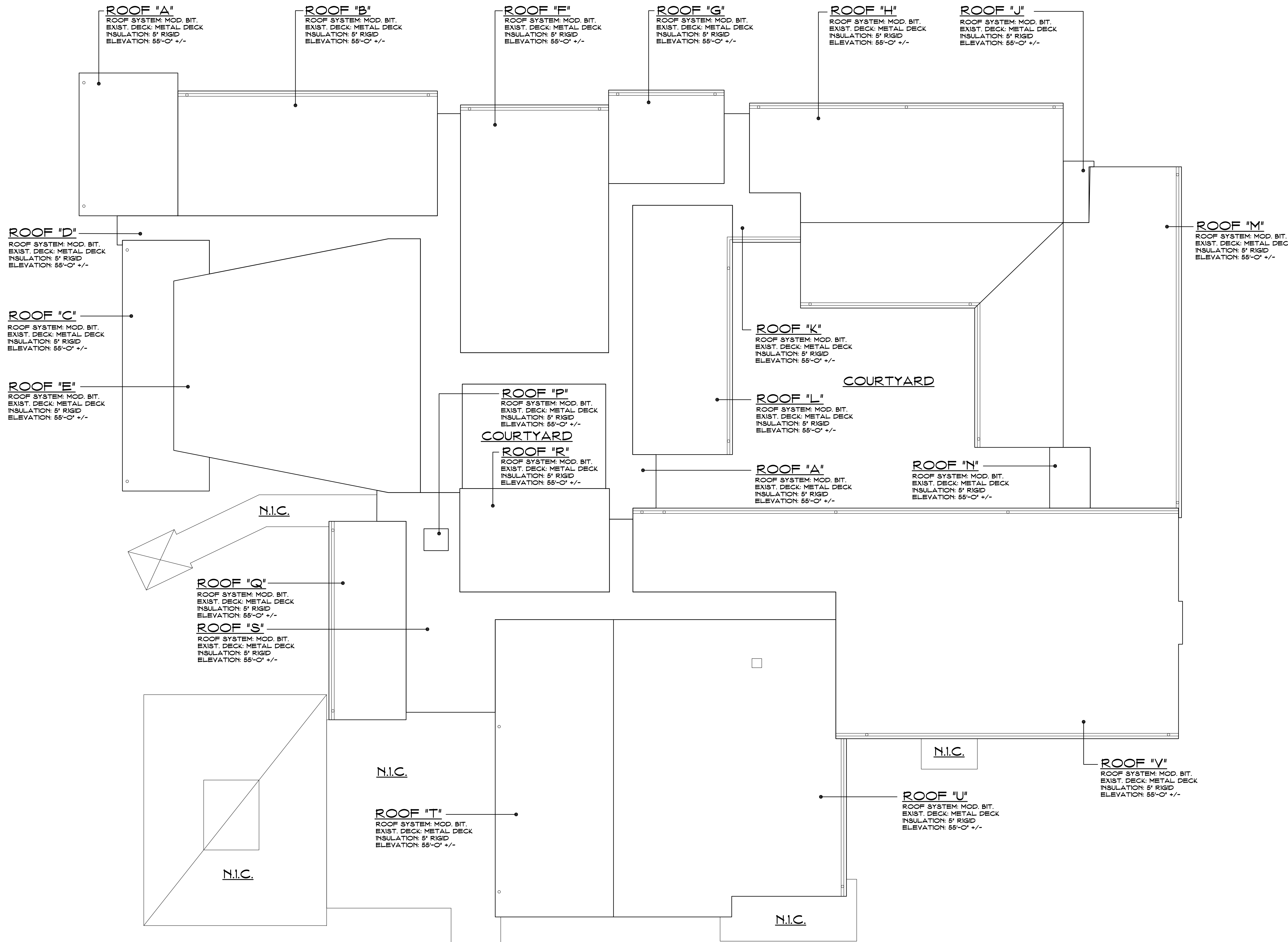
6/18/2020

SYMBOL LEGEND

- PLAN, SECTION, DETAIL OR ELEVATION NUMBER - SHEET NUMBER.
- EXISTING OUTLINE OF BUILDING.
-
-
- CONTRACTOR TO VERIFY DIMENSION IN FIELD.
- INDICATES SLOPE DIRECTION & INDICATES EXISTING ROOF PITCH.
- INDICATES HIGH POINT OF INSULATION.
- EXISTING ROOF DRAIN TO BE REMOVED. SEE DEMOLITION NOTES.
- ROOF DRAIN & SUMP TO BE INSTALLED. SEE DETAIL A/A3
- EMERGENCY OVERFLOW SCUPPER. SEE DETAIL J/A3
- EXIST. VENT STACK. SEE DETAIL B/A3
- EXIST. ROOF TOP UNIT. SEE DETAIL E/A3
- EXISTING EXHAUST FAN. SEE DETAIL C/A3
- WALKWAY PADS. SEE CONSTRUCTION NOTE # 3
- EXPANSION JOINT. SEE DETAIL G/A3

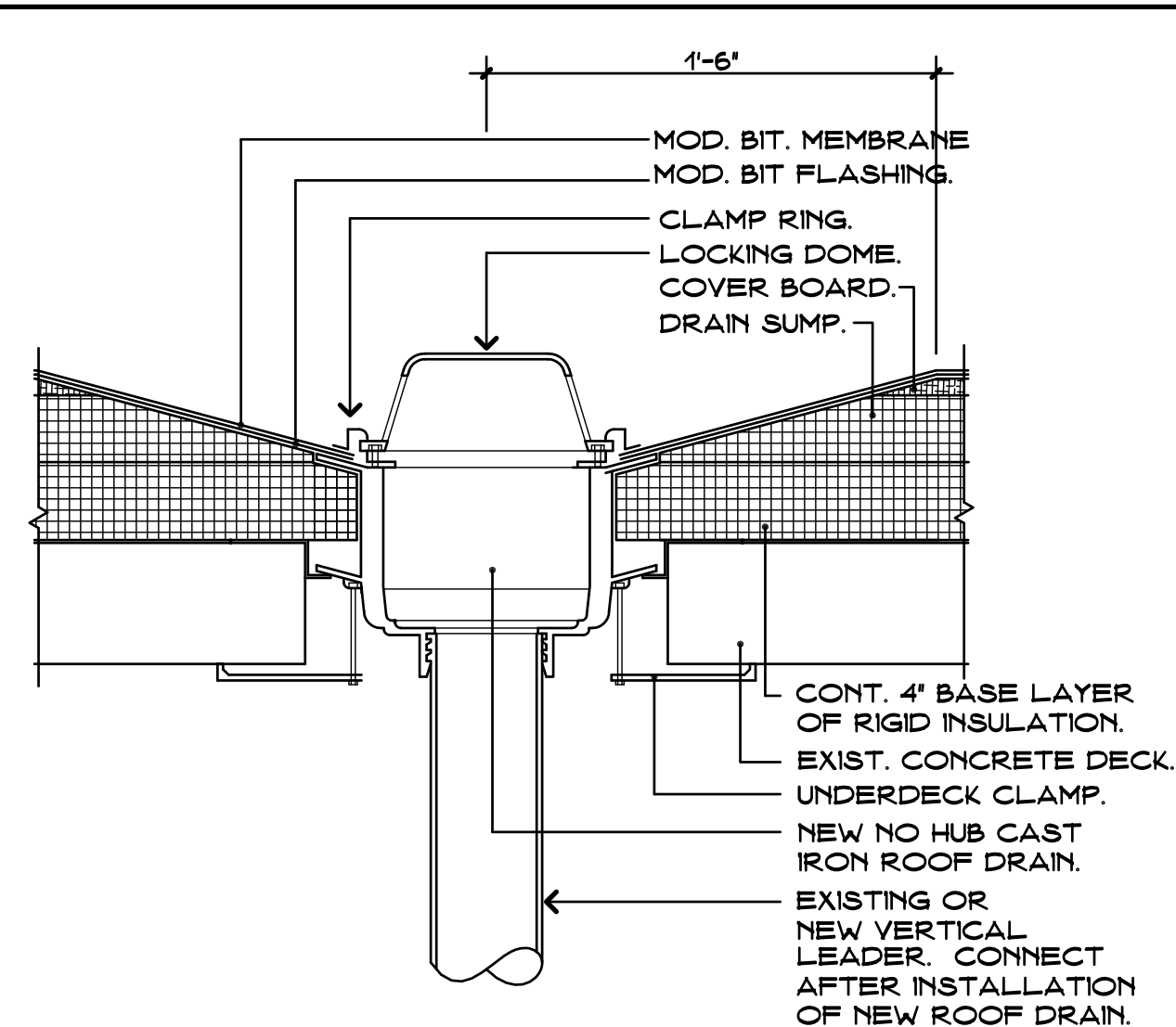
GENERAL NOTES

1. ALL FLAT ROOFS TO RECEIVE 1/4\"/>
2. FIELD VERIFY ALL DIMENSIONS & PERFORM TEST CUTS AT EACH ROOF PRIOR TO THE BID.
3. ALL MATERIALS ARE NEW UNLESS OTHERWISE NOTED 'EXISTING'.
4. ALL WOOD BLOCKING, PLYWOOD & NAILERS TO BE PRESSURE TREATED. (P.T.)
5. ALL WOOD BLOCKING INDICATED IN DETAILS ARE TO BE ANCHORED TO THE EXISTING STRUCTURE.
6. ALL MEMBRANE FLASHING INDICATED IS TO EXTEND A MINIMUM OF 8\"/>
7. CONTRACTOR IS TO SURVEY THE EXISTING ROOF DECKS W/A LEVEL (AFTER DEMOLITION) TO VERIFY THE SLOPES INDICATED ON PLAN ARE ACCURATE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY ADDITIONAL ROOFING OPERATIONS.
8. CONTRACTOR IS TO INSPECT THE UNDERSIDE OF ALL ROOF DECKS PRIOR TO ROOFING OPERATIONS TO INSURE THAT NO INTERIOR MATERIALS, EQUIPMENT, FINISHES OR OBJECTS WILL BE PERCED OR DAMAGED.
9. CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING PROJECT & WILL REPLACE ANY & ALL DAMAGED EQUIPMENT W/NO ADDITIONAL COST TO OWNER.
10. SITE AREAS DISTURBED SHALL BE CLEANED & RE-LEVELLED, W/LAWN AREAS MAGNETICALLY RAKED TO REMOVE ANY METAL DEBRIS & RE-SEEDED AS REQUIRED TO MATCH ADJACENT CONDITIONS.
11. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR CLEAN UP OF ROOFING MATERIALS & DEBRIS THAT PENETRATES THE INTERIOR ENVELOPE OF THE BUILDING W/NO ADDITIONAL COST TO THE OWNER.
12. SNAKE/CLEAN OUT ALL EXISTING VERTICAL & HORIZONTAL LEADERS OUT TO NEAREST MANHOLE OUTSIDE OF BUILDING.
13. ALL CRICKETS ARE TO BE SLOPED @ A MINIMUM OF 1/4\"/>
14. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL & RE-INSTALLATION OF ALL HVAC UNITS INCLUDING ANY ELECTRICAL OR MECHANICAL CONNECTIONS. THIS MAY INCLUDE THE EXTENSION OF EXISTING ELECTRICAL & DUCTWORK SYSTEMS TO ACCOMMODATE NEW MECHANICAL UNIT CURBING & NEW ROOFING SYSTEM.
15. SNAKE/CLEAN OUT ALL EXISTING VENT STACKS BEFORE THE INSTALLATION OF METAL SLEEVE.
16. ALL DRAIN PIPING IS INSULATED ABOVE THE CEILINGS. THE EXACT ROUTE WILL BE DETERMINED IN THE FIELD. MAKE MINOR ADJUSTMENT IN THE ROUTE AT NO ADDITIONAL COST TO OWNER.
17. NEW ROOF INSULATION TO BE A MINIMUM OF 4\"/>
18. ALL ANTENNAE, CONDUITS & ANY OTHER OBJECTS TO REMAIN AFFECTED BY SCOPE OF WORK, TO BE REMOVED & REINSTALLED.



ROOF PLAN
SCALE: 1/16"=1'-0"
NORTH

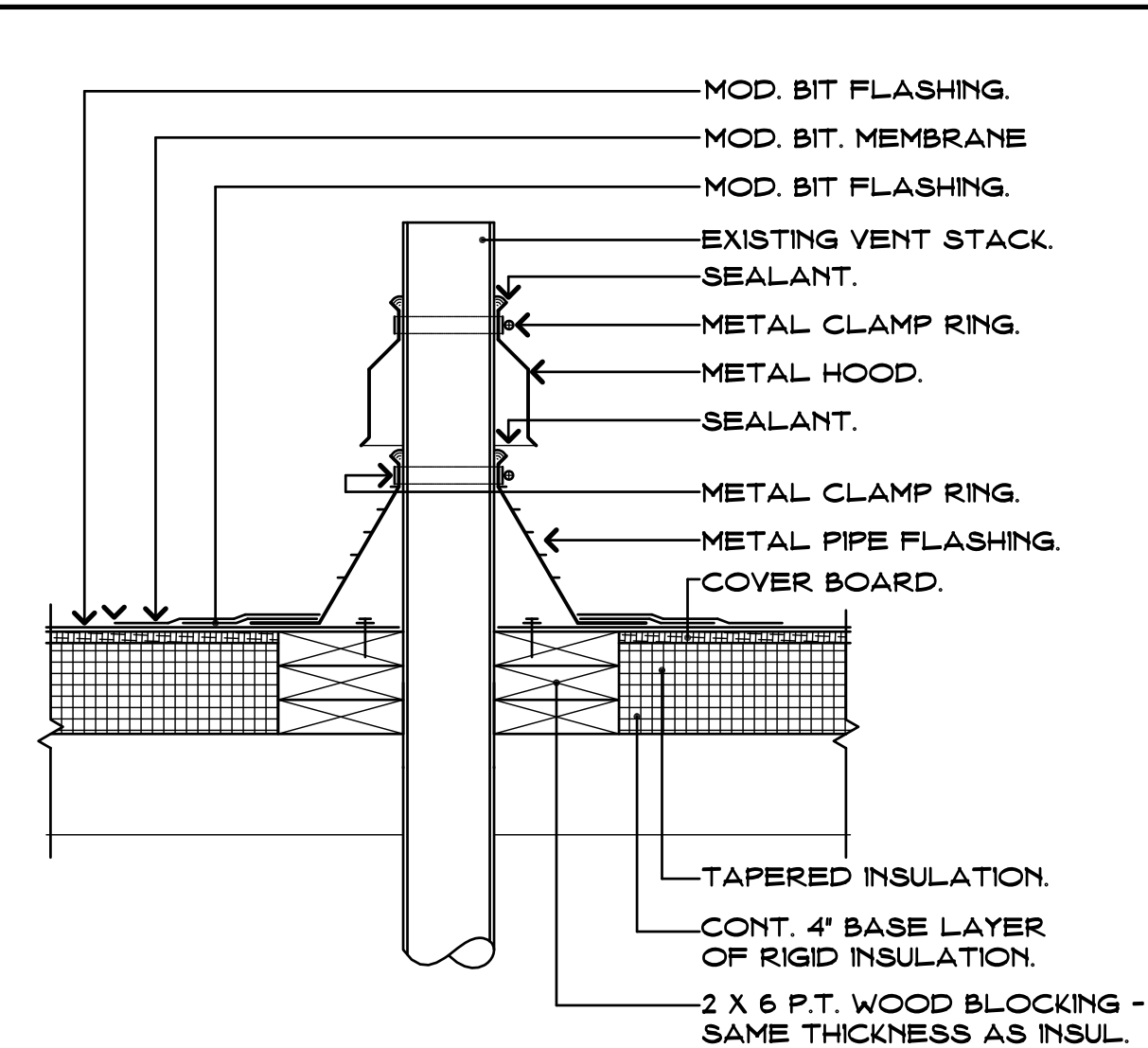
Revision	Description	Date	Revised By:



ROOF DRAIN DETAIL

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

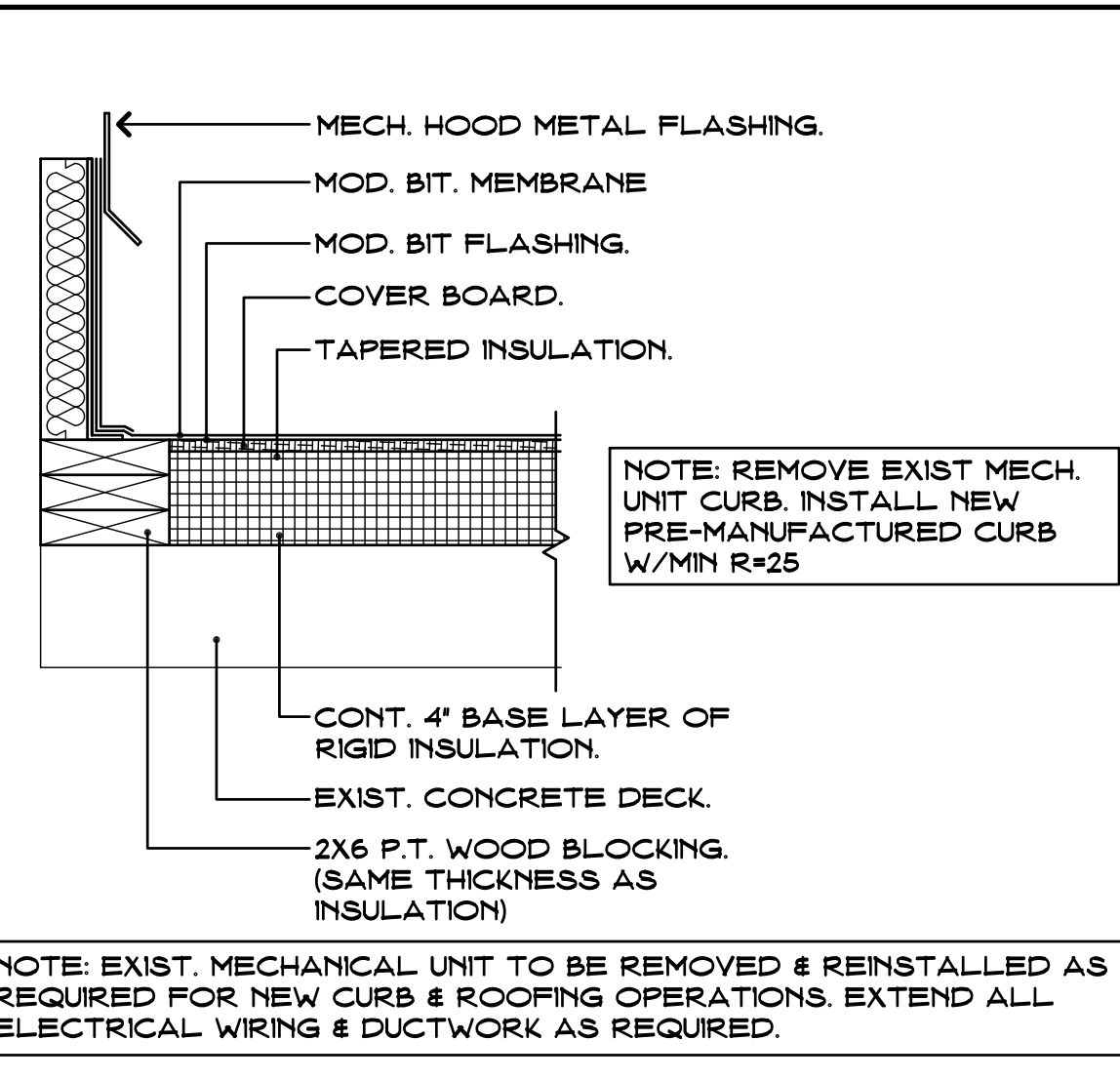
A
A2



VENT STACK DETAIL

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

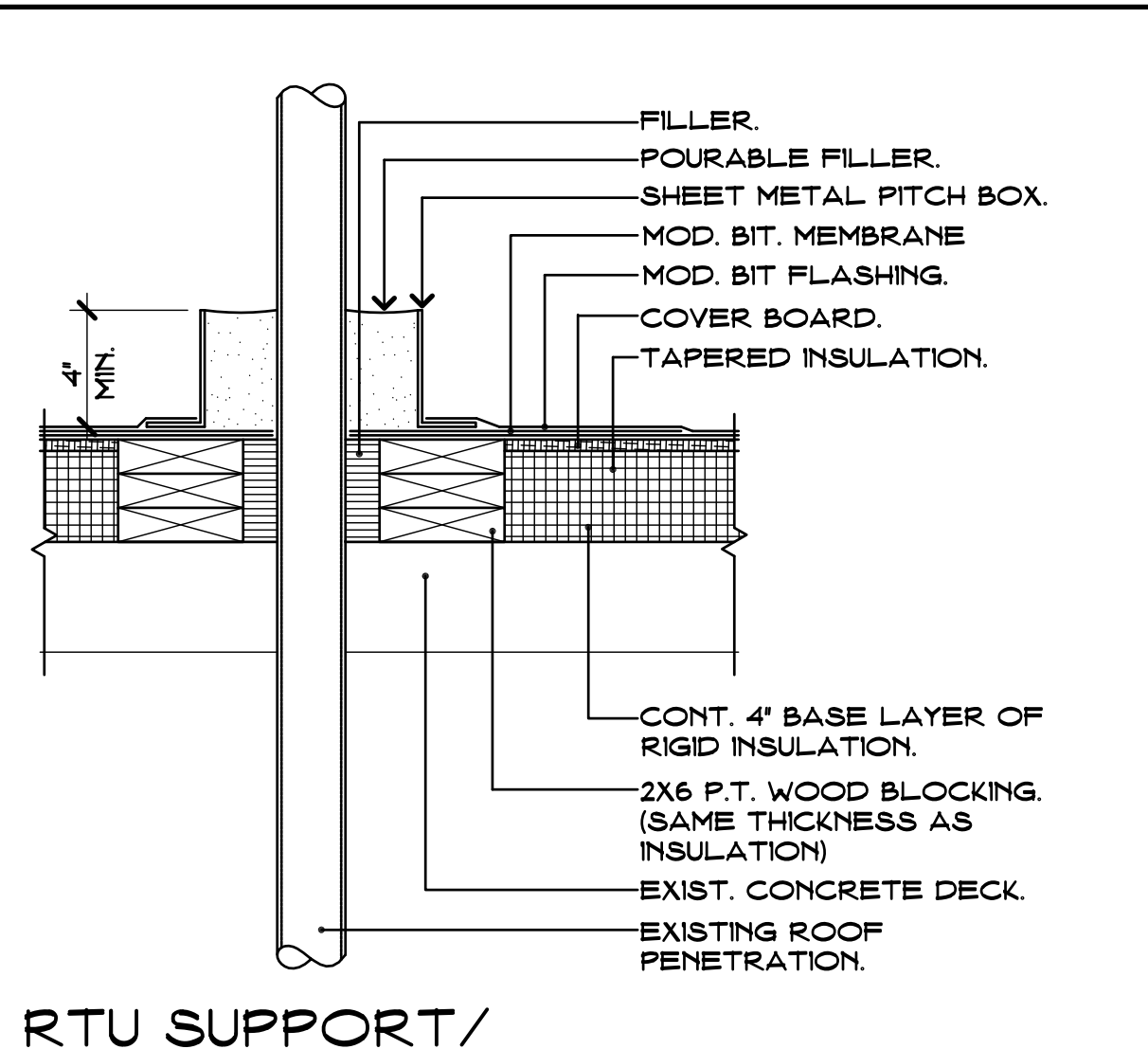
B
A2



ROOF EXHAUST FAN DETAIL

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

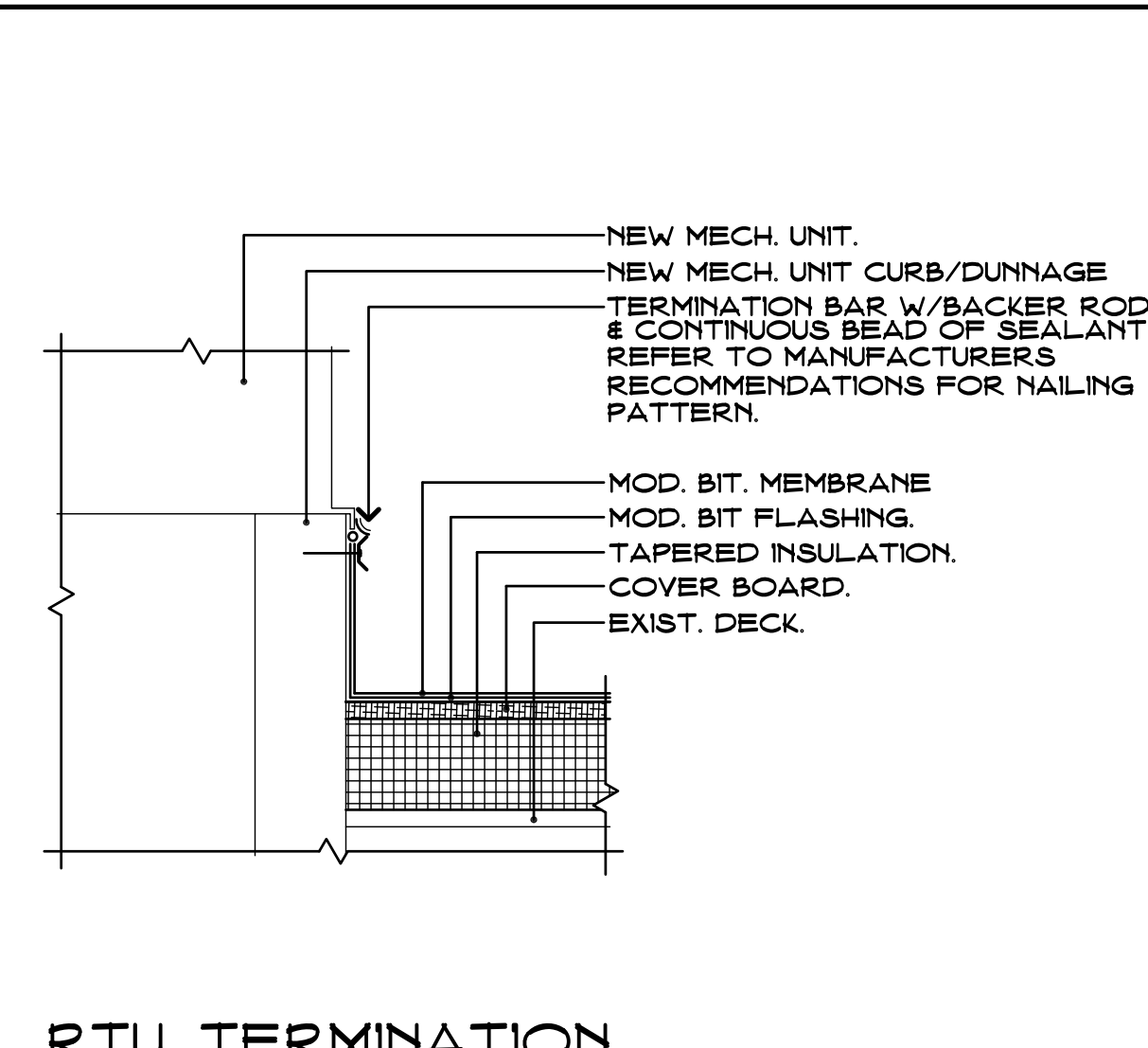
C
A2



**RTU SUPPORT/
PITCH POCKET DETAIL**

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

D
A2



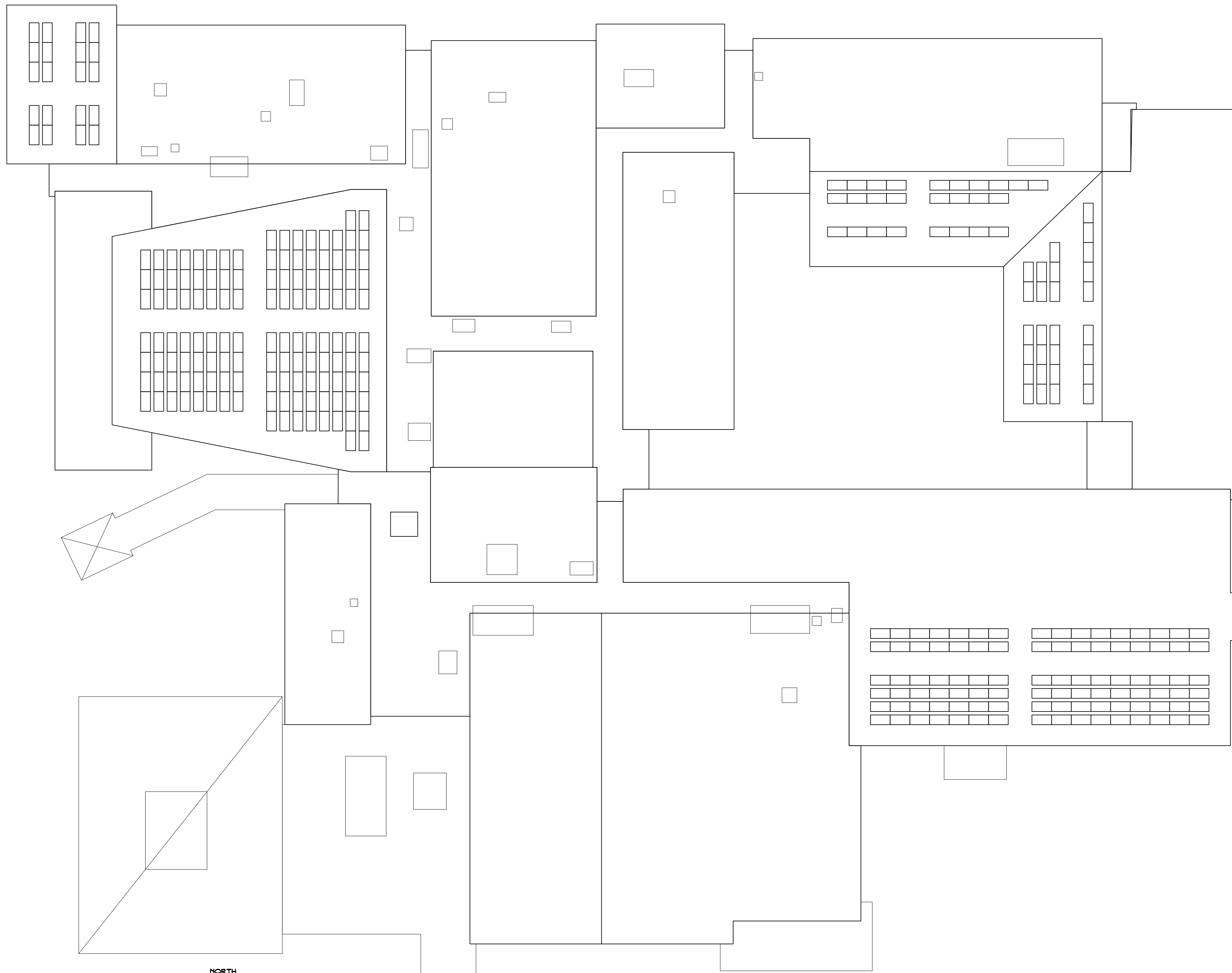
**RTU. TERMINATION
BAR DETAIL**

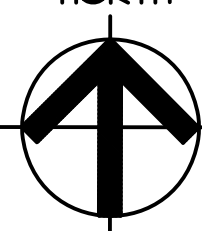
SCALE: 1/2" = 1'-0"

E
A2



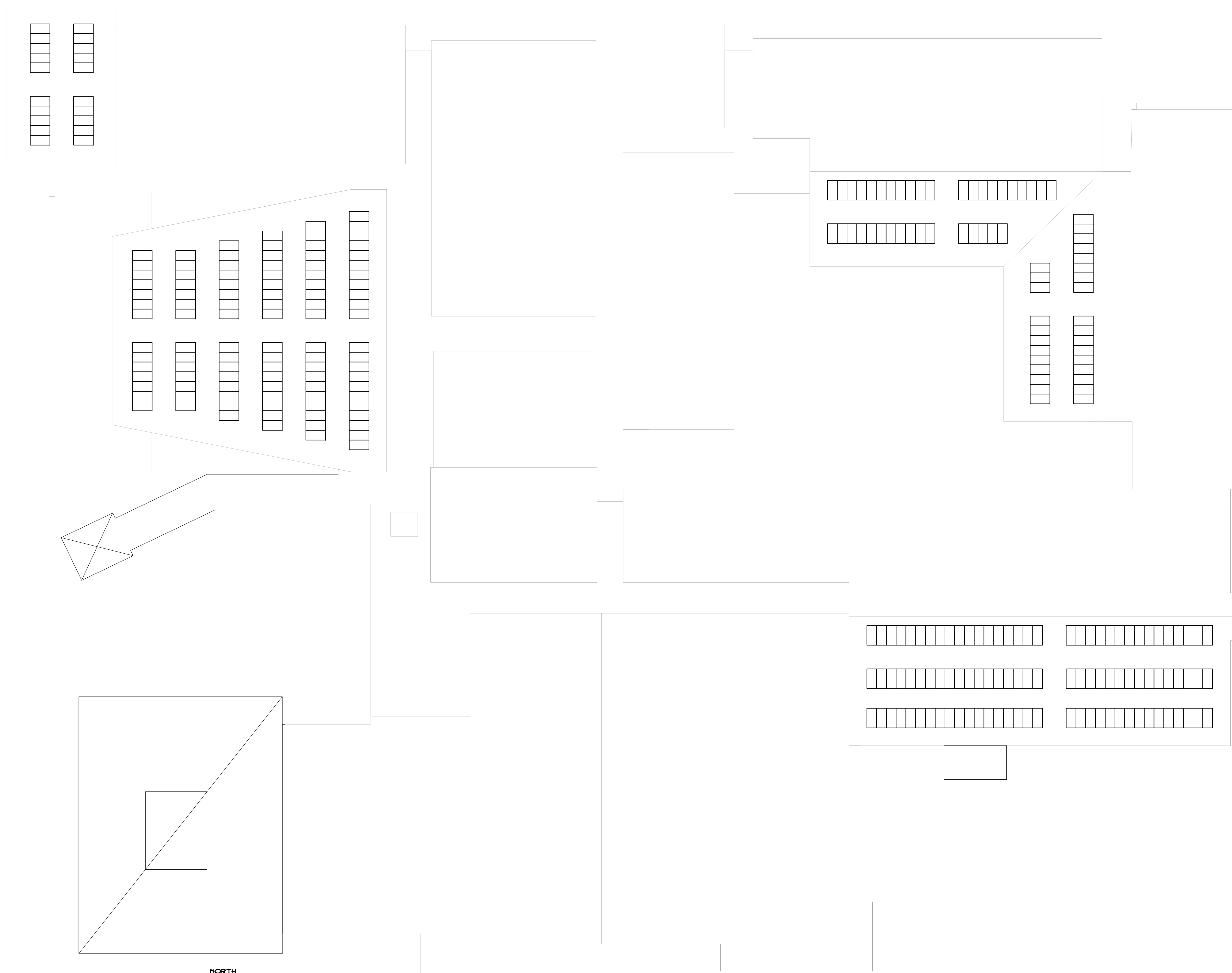
Revision	Description	Date	Revised By



NORTH

PV ROOF PLAN - BALLASTED
 SCALE: 1/16"=1'-0" E1



Revision	Description	Date	Revised By



NORTH

PV ROOF PLAN - ATTACHED TO STRUCTURE
 SCALE: 1/16"=1'-0"



Revision	Description	Date	Revised By: