

# NE WING BUILDING RE-ROOFING PROJECT

800 Lincoln Way  
Ames, Iowa 50010

Project #: BG-3A13(034)-80-85



OFFICE OF FACILITIES SUPPORT  
800 LINCOLN WAY, AMES, IOWA 50010

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I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered architect under the laws of the state of Iowa.	
Jerry L. Burnes Printed or typed name	
Signature	Date
30 June 2016	01 OCT 2015
Registration expires	Date Issued
Pages or sheets covered by this seal: D-1, D-2, A-1, A-2, A-3	

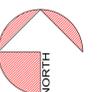


PROJECT LOCATION

SCALE:

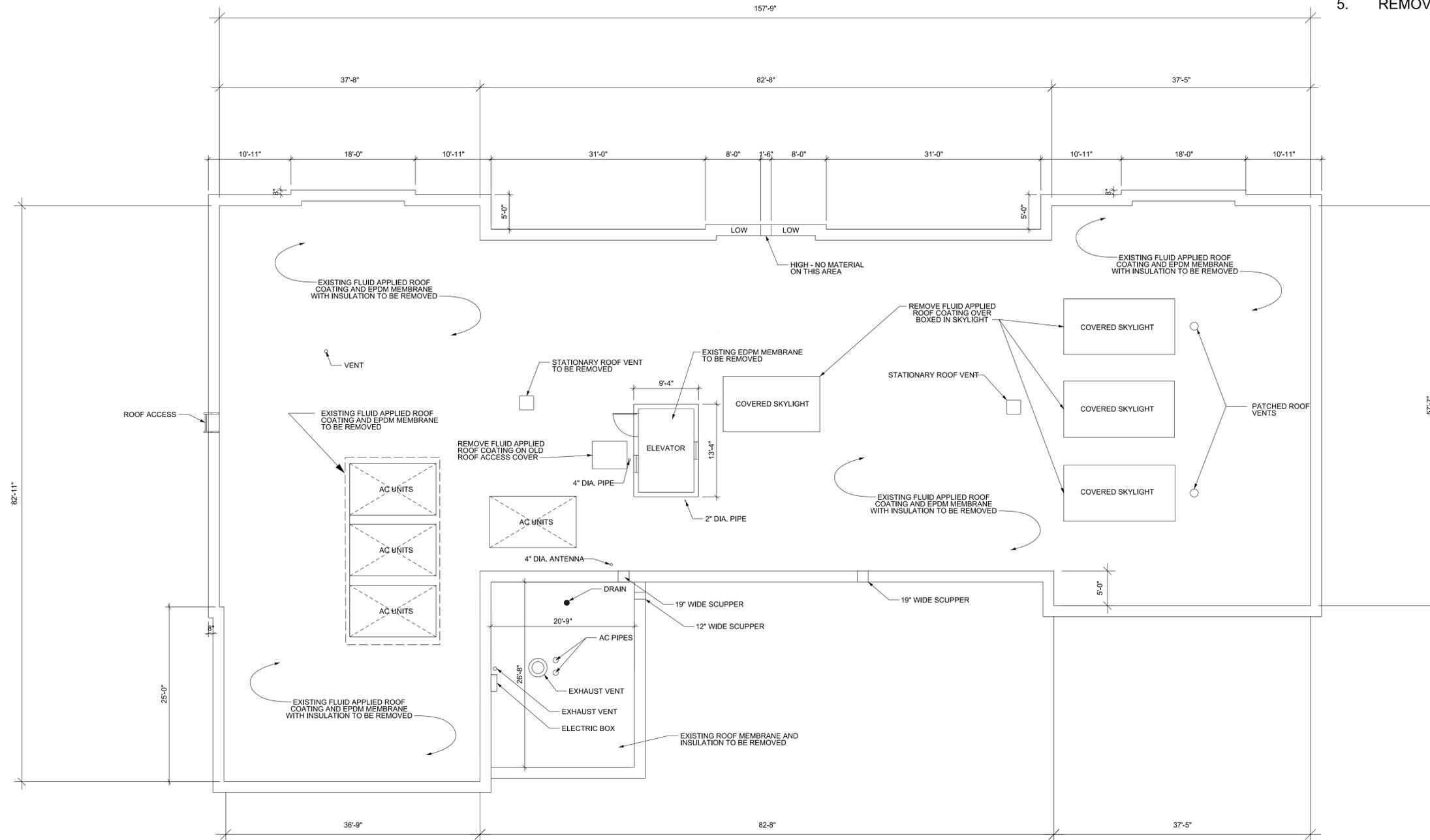
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SET ISSUE DATE: 01 OCT. 2015



### DEMOLITION NOTES

1. IOWA DOT WILL REMOVE WIRING TO ANTENNA.
2. CONTRACTOR TO REMOVE PIPE VIBRATION SUPPORTS OFF HVAC PIPING AND KEEP FOR REINSTALLATION.
3. EXISTING HVAC EQUIPMENT TO REMAIN IN PLACE DURING CONSTRUCTION.
4. STRIP EXISTING FLUID APPLIED ROOFING AND MEMBRANE ROOFING INSULATION TO PRECAST ROOF DECK.
5. REMOVE METAL PARAPET CAP.



**ROOF DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

DISTRICT: 01  
COUNTY: STORY  
PROJECT NUMBER: BG-3A13(034)-80-85

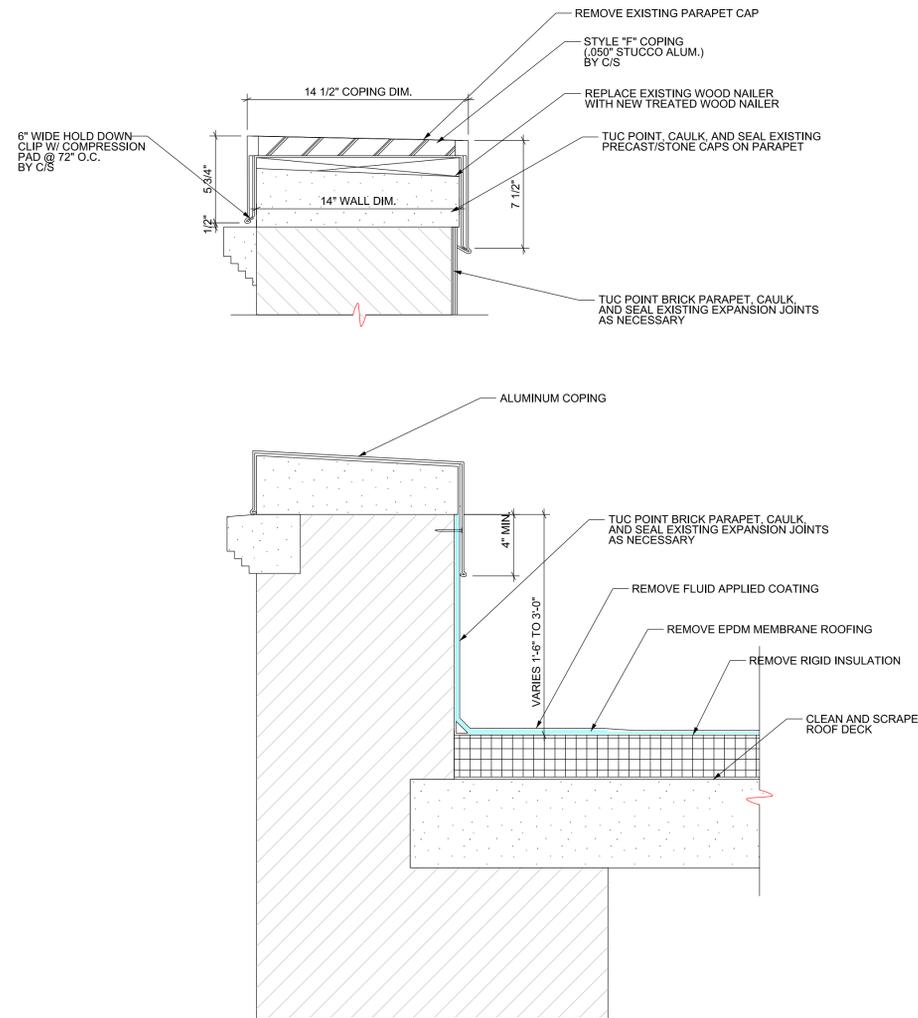
AMES, IOWA  
HIGHWAY MAINTENANCE GARAGE  
ROOF DEMOLITION PLAN

**IOWA DOT**  
SMARTER | SIMPLER | CUSTOMER DRIVEN  
OFFICE OF SUPPORT SERVICES  
800 LINCOLN WAY  
AMES, IOWA 50010 (515)239-1299

DATE: 01 OCT 2015  
DRAWN BY: K KOCH  
APPROVED: J BURNES  
REVISIONS:

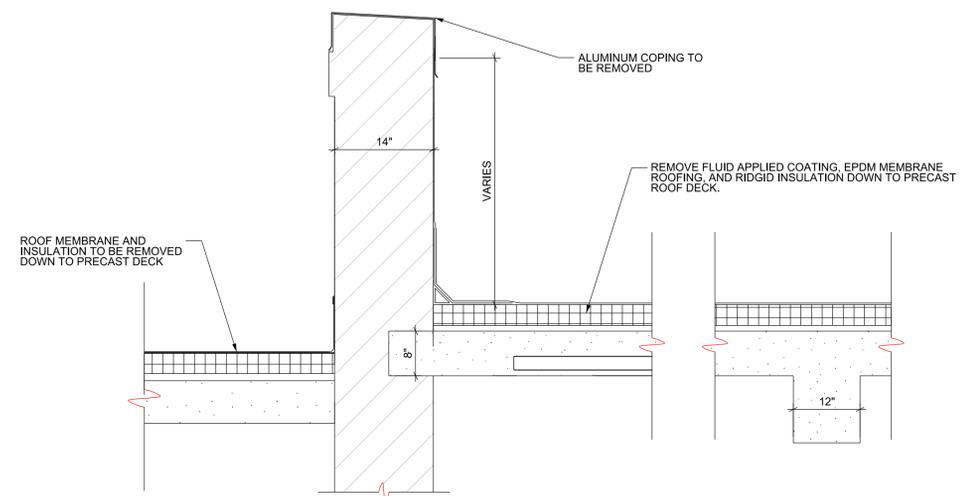
01 SHEET OF 05

D-1



### ROOF DETAIL SECTION

SCALE: 1" = 1'-0"



### ROOF DETAIL SECTION

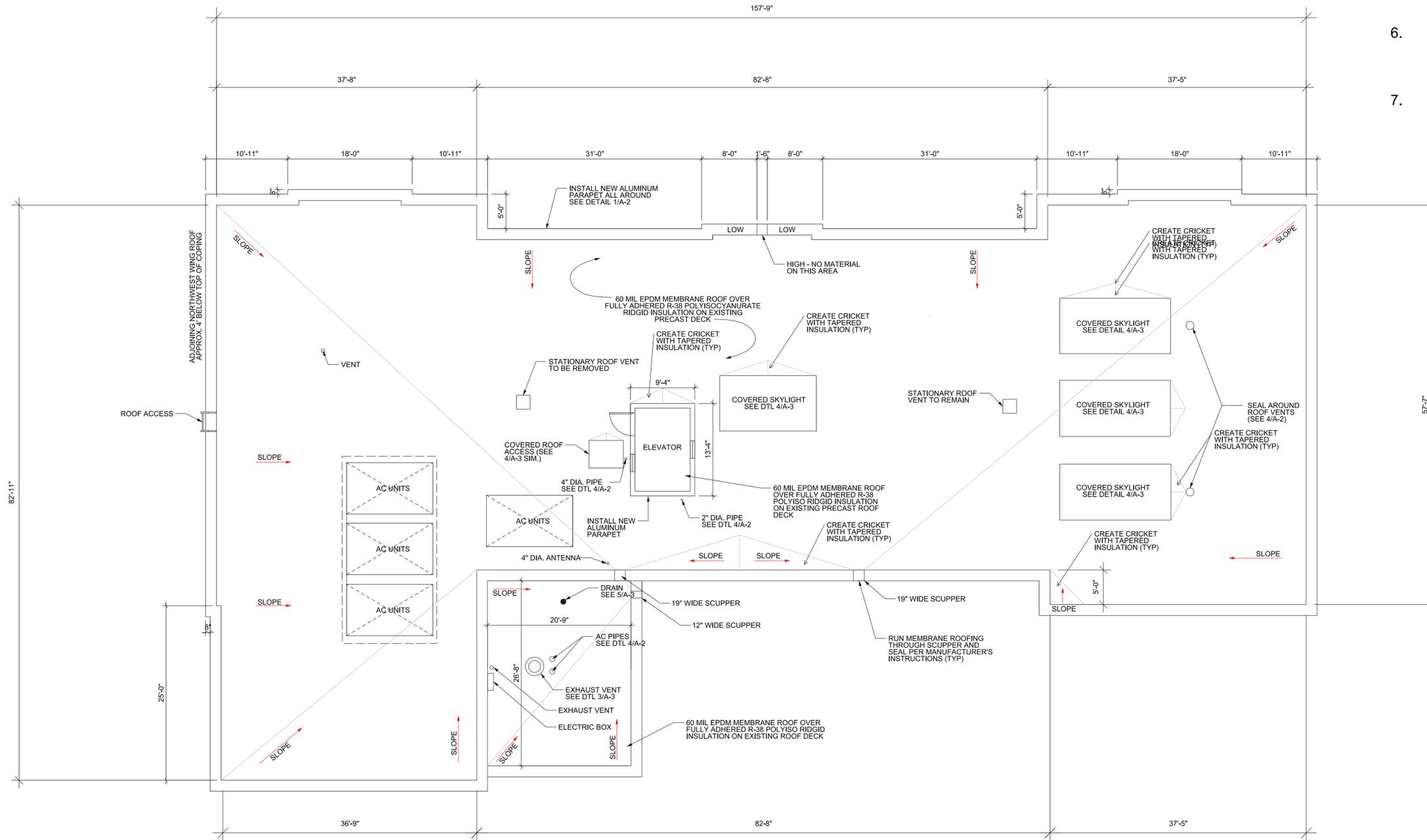
SCALE: 1/2" = 1'-0"

### NOTES FOR PARAPET WALL

1. TUC POINT, CAULK, AND SEAL EXISTING STONE PARAPET AS NECESSARY.
2. TUC POINT BRICK ON INSIDE PARAPET WALL AS NECESSARY.
3. INSTALL NEW TREATED WOOD CAP OVER EXISTING STONE CAP.
4. INSTALL NEW ALUMINUM CAP OVER PARAPET.
5. CAULK AND SEAL JOINTS IN ALUMINUM PARAPET CAP.

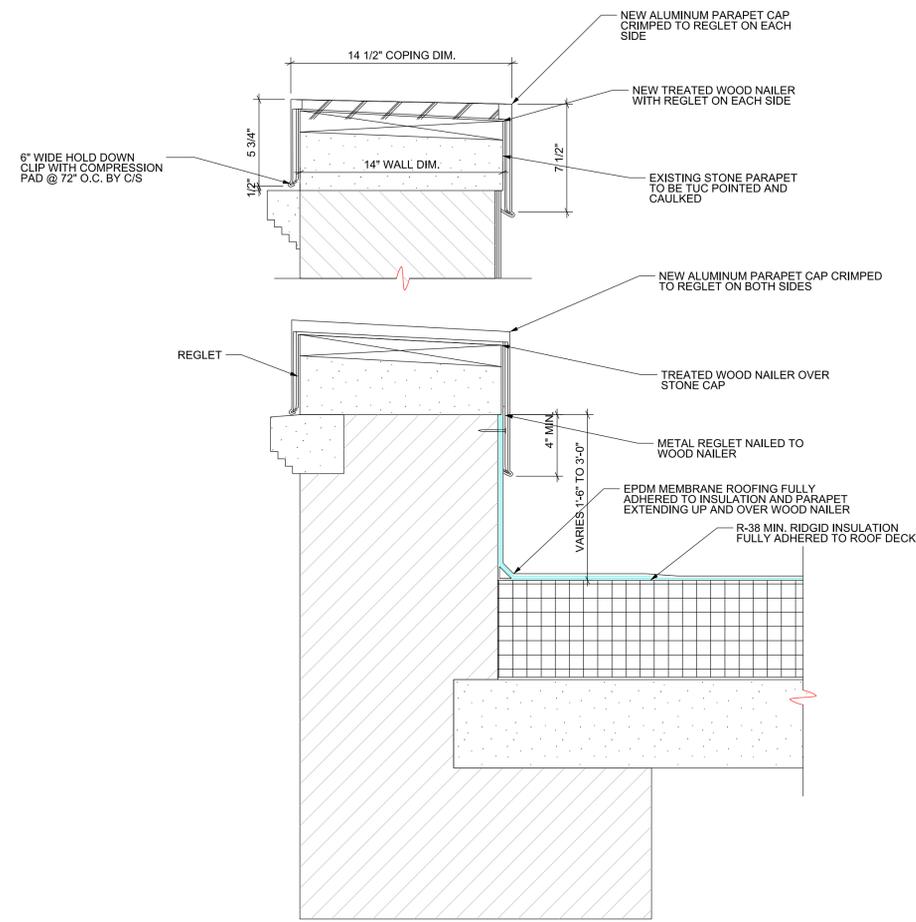
### NOTES FOR ROOFING

1. FULLY ADHERE R-38 POLYISOCYANURATE RIDGID INSULATION ON EXISTING ROOF DECK.
2. INSULATE TIGHT AROUND HVAC EQUIPMENT SUPPORTS AND LEGS.
3. INSULATE TIGHT AROUND PIPE PENETRATIONS, EXHAUST FAN CURBS STOPS, AND RAISED SKYLIGHT COVERS.
4. INSTALL 1" CONDUIT IN RIDGID INSULATION FOR RUNNING WIRING TO ANTENNA THAT ARE CURRENTLY RUN ACROSS THE ROOF.
5. INSTALL MEMBRANE ROOFING OVER RAISED COVERED SKYLIGHTS AND COVERED ROOF ACCESS.
6. SEAL AROUND ALL PIPE PENETRATIONS, HVAC SUPPORT LEGS, AND EXHAUST FANS WITH LIQUID MEMBRANE PER EPDM ROOF MANUFACTURER'S INSTRUCTIONS.
7. REINSTALL HVAC PIPE VIBRATION FEET TO NEW ROOF



**ROOF PLAN**  
SCALE: 1/8" = 1'-0"

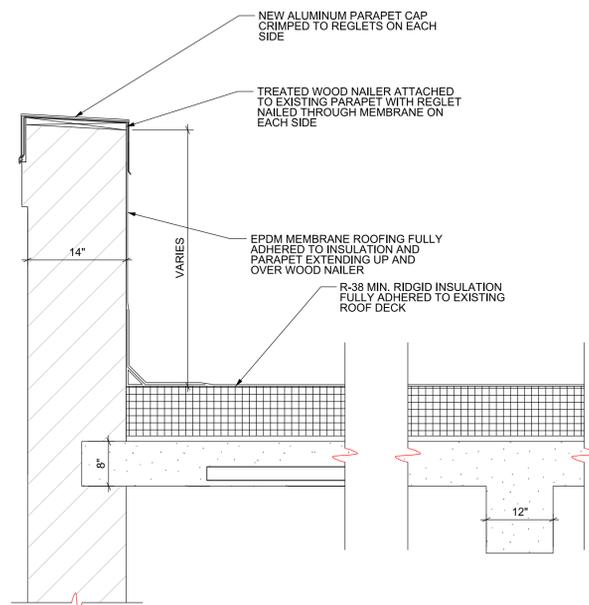
DISTRICT:	01
COUNTY:	STORY
PROJECT NUMBER:	BG-3A13(034)-80-85
AMES, IOWA	
HIGHWAY MAINTENANCE GARAGE	
ROOF PLAN	
<small>SMARTER   SIMPLER   CUSTOMER DRIVEN OFFICE OF SUPPORT SERVICES 800 LINCOLN WAY AMES, IOWA 50010 (515)235-1299</small>	
DATE:	01 OCT 2015
DRAWN BY:	K KOCH
APPROVED:	J BURNES
REVISIONS:	
03 SHEET OF 05	
A-1	



### ROOF DETAIL SECTION

1  
A-2

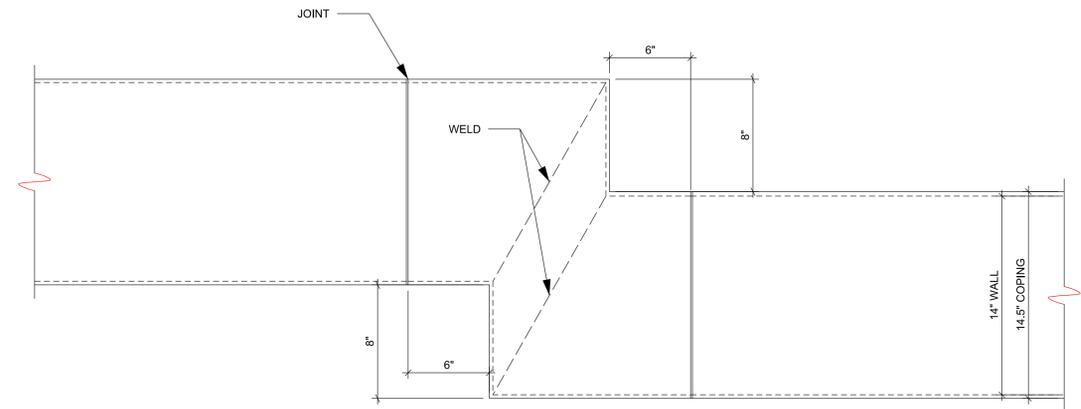
SCALE: 1" = 1'-0"



### ROOF DETAIL SECTION

3  
A-2

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

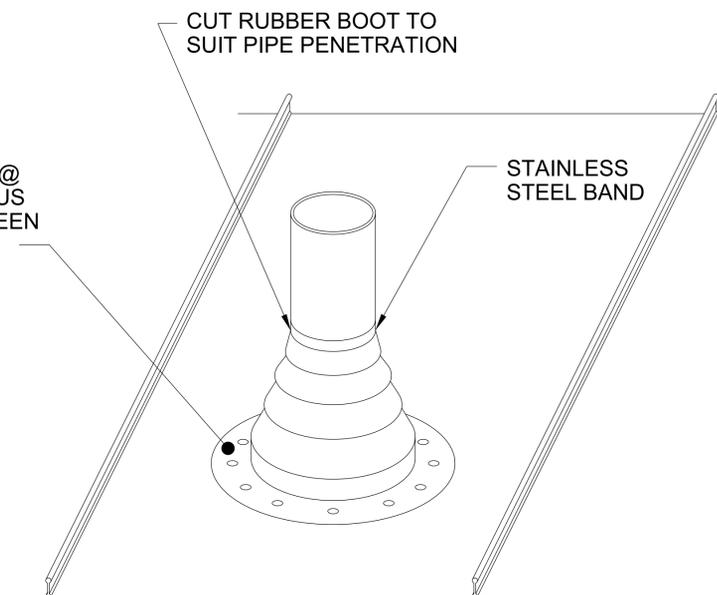


### ALUMINUM CAP CORNER DETAIL

2  
A-2

SCALE: 1" = 1'-0"

FASTEN BOOT TO PANEL @ 1 1/2" OC W/ A CONTINUOUS BEAD OF SEALANT BETWEEN BOOT FLANGE & PANEL

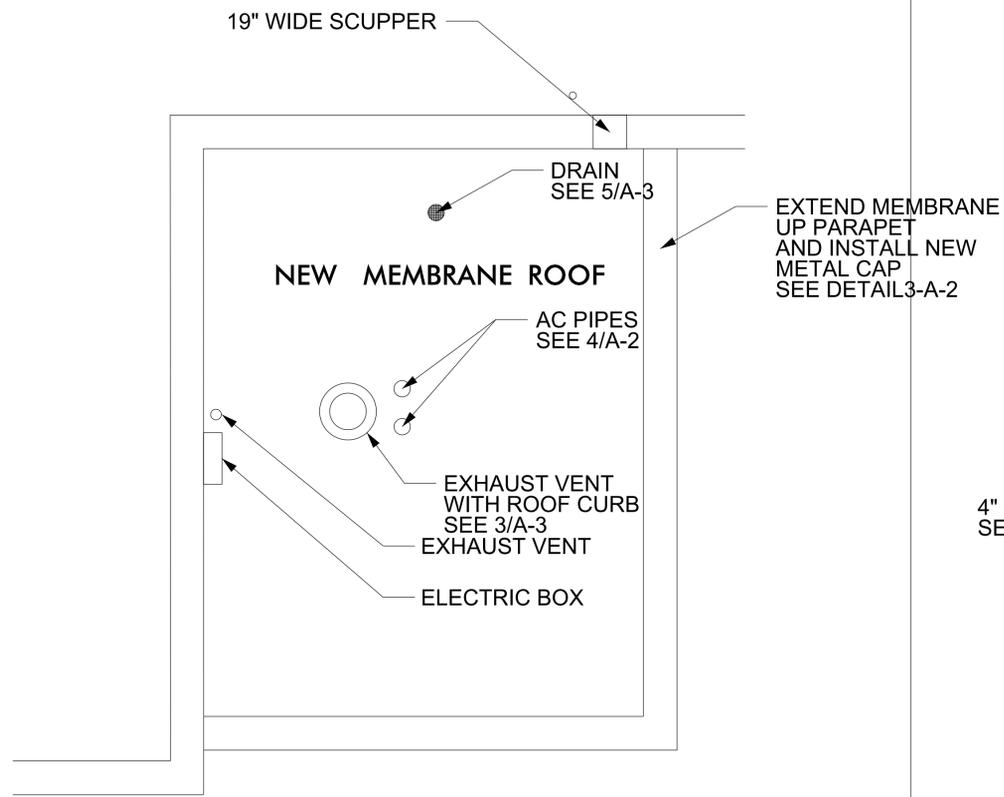


NOTE: THIS DETAIL IS SUITABLE FOR SQUARE AND RECTANGULAR ROOF CAPS, VERIFY W/ ROOF PANEL MFR FOR APPROVED METHOD

### VENT DETAIL

4  
A-2

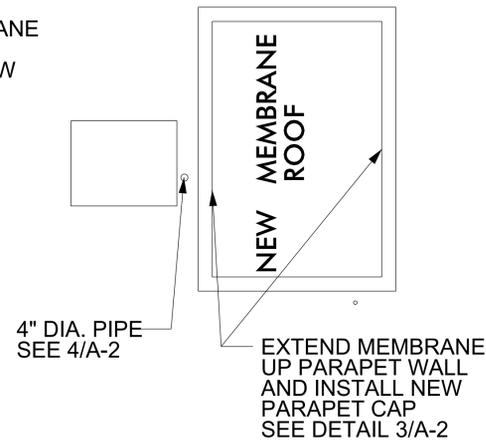
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1  
A-3

**ENLARGED MECH. ROOF**

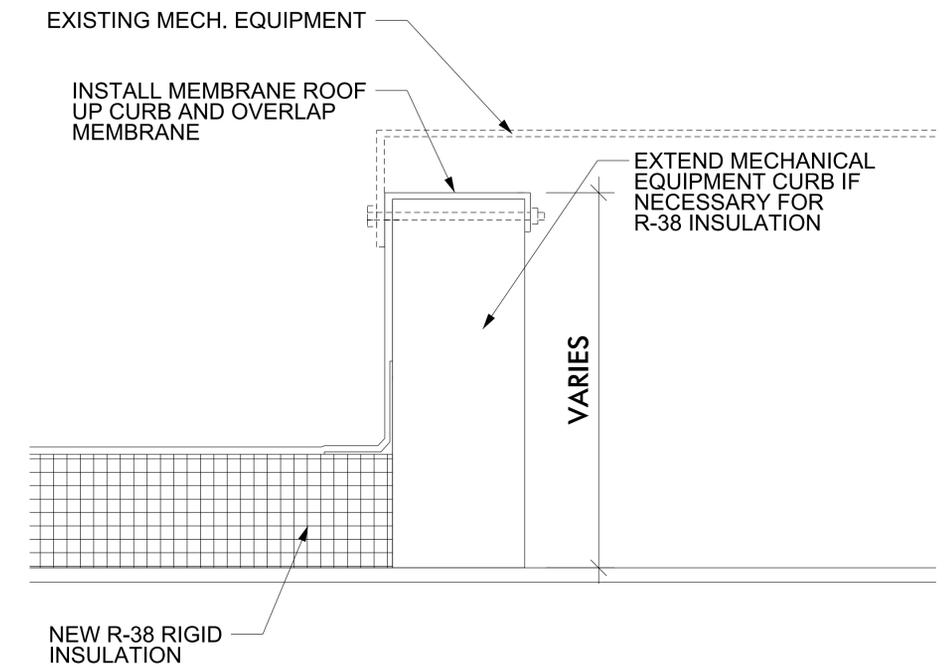
SCALE: \_\_\_\_\_ NTS



2  
A-3

**ENLARGED ELEVATOR PENTHOUSE ROOF**

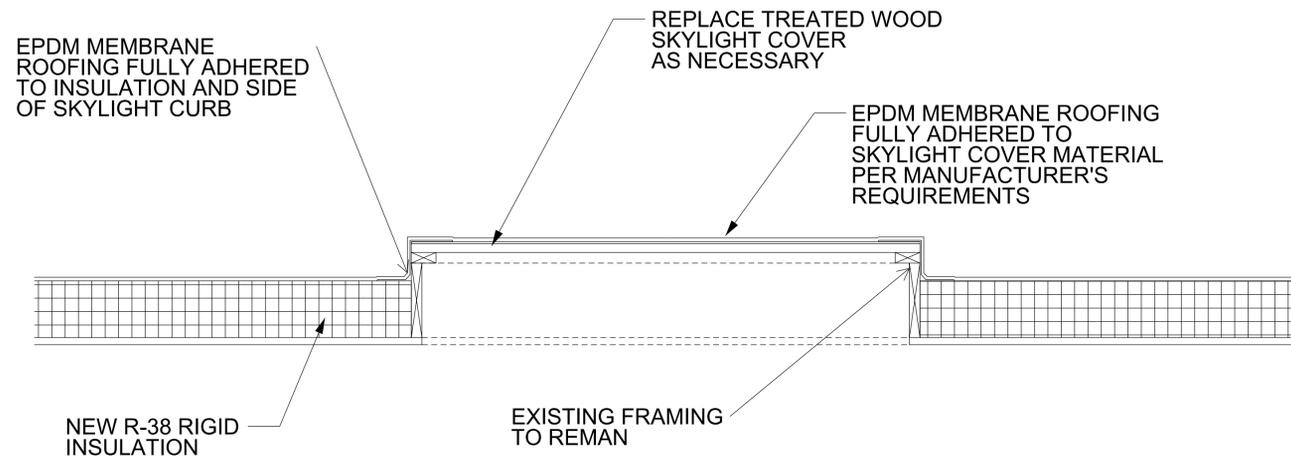
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3  
A-3

**ROOF CURB DETAIL**

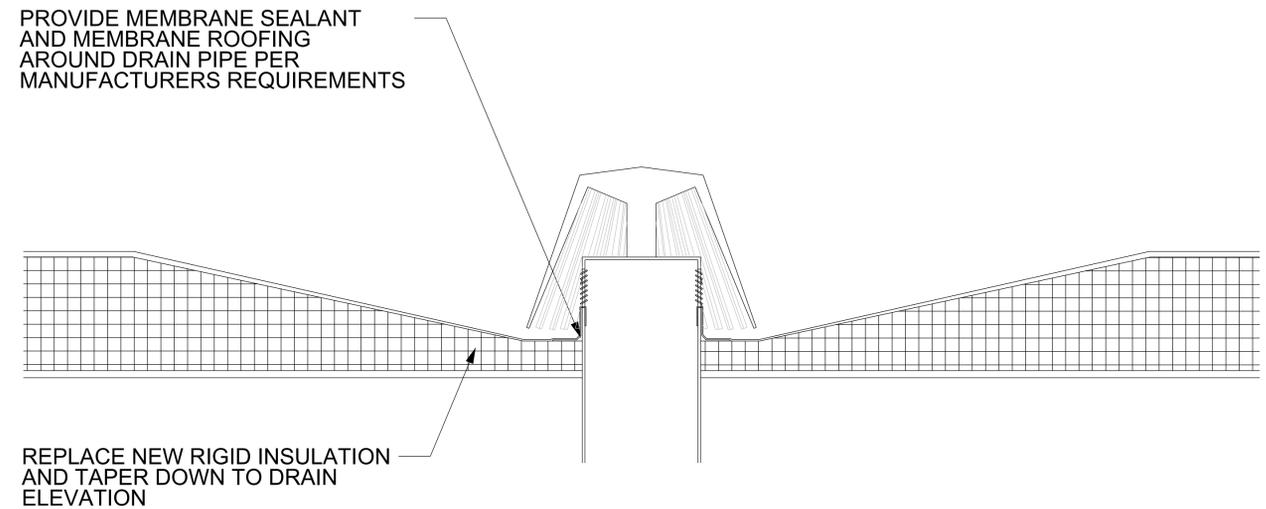
SCALE: \_\_\_\_\_ NTS



4  
A-3

**COVERED SKYLIGHT DETAIL**

SCALE: \_\_\_\_\_ NTS



5  
A-3

**ROOF DRAIN DETAIL**

SCALE: \_\_\_\_\_ NTS