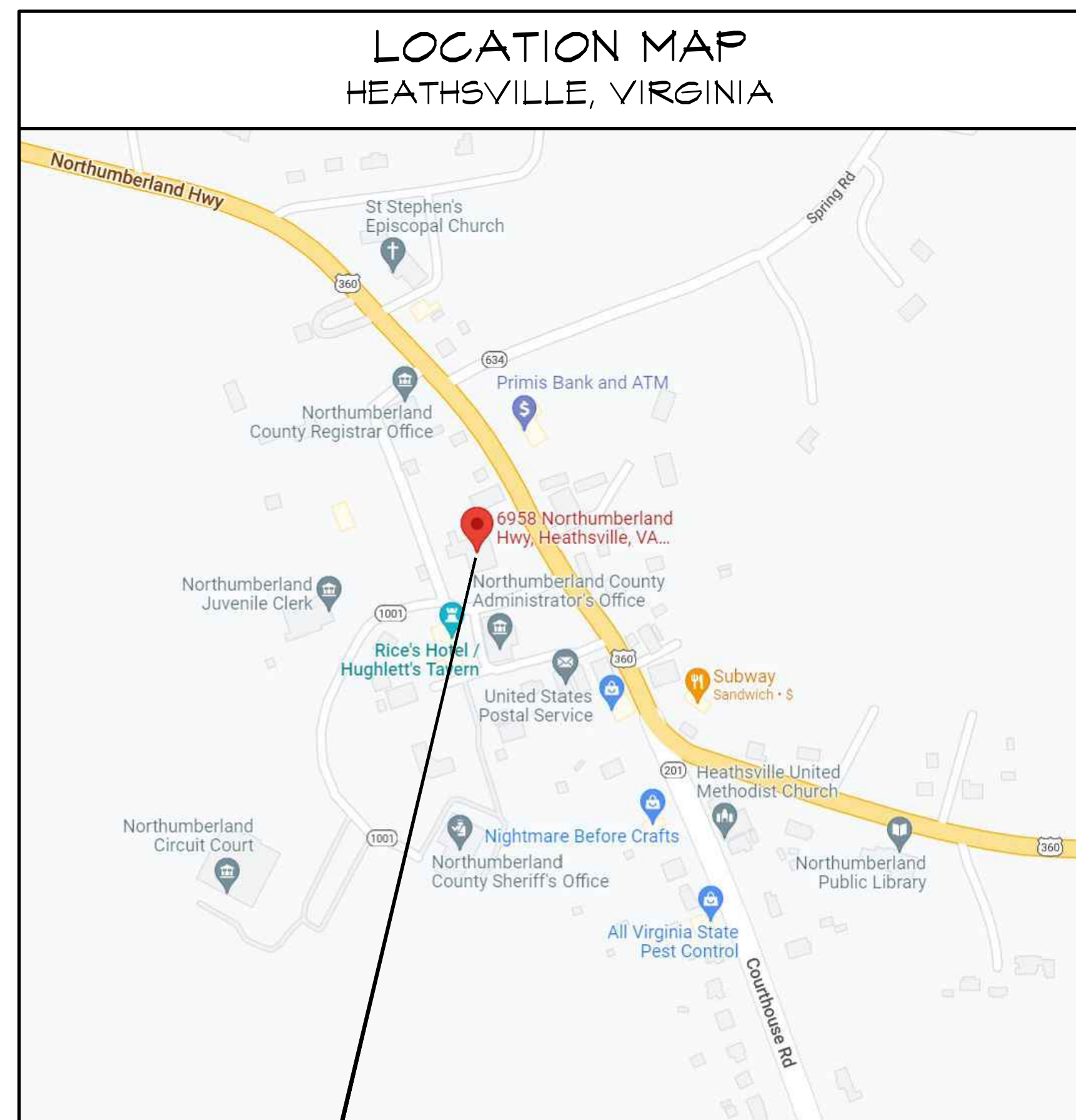
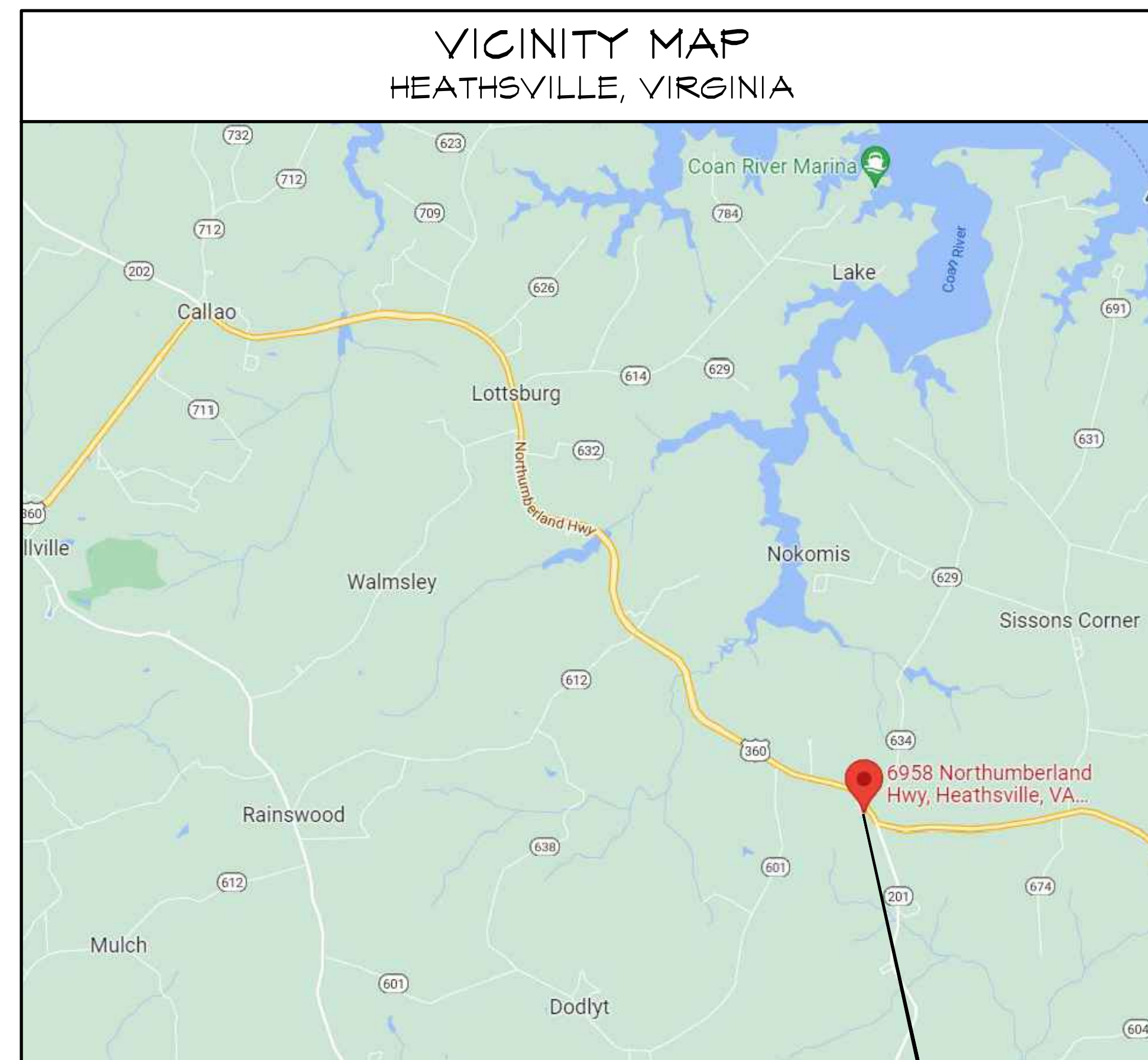


# NORTHUMBERLAND COUNTY

## NORTHUMBERLAND COUNTY PUBLIC SCHOOLS' SCHOOL BOARD BUILDING 6958 NORTHUMBERLAND HWY

### PARTIAL ROOF REPLACEMENT



PROJECT LOCATION  
6958 NORTHUMBERLAND HWY,  
HEATHSVILLE, VA 22473

#### BUILDING INFORMATION

USE GROUP: B  
PURPOSE/OCCUPANCY  
BUSINESS  
CONSTRUCTION TYPE (TABLE 601)  
TYPE II-B  
NON-SPRINKLED  
BUILDING HEIGHT  
ONE STORY

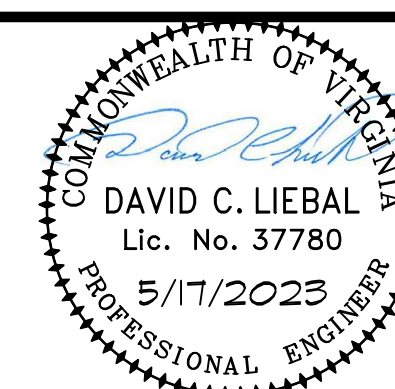
#### DESIGN CRITERIA

2018 VIRGINIA EXISTING BUILDING CODE (2018 VIBC)  
CHAPTER 6 LEVEL I ALTERATION  
MINIMUM ROOF COVERING CLASSIFICATION (VBC TABLE 1505.1)  
CLASS C REQUIRED  
CLASS A PROVIDED  
2018 VIRGINIA ENERGY CONSERVATION CODE (VEC)  
CLIMATE ZONE 4a (FIGURE 301.1)  
BUILDING ENVELOPE REQUIREMENTS - TABLE C402.1.3  
DUE TO SLOPE AND TERMINATION HEIGHTS, ADDITIONAL INSULATION CAN NOT BE ADDED THE AVERAGE R-VALUE WILL BE +/- 27  
WIND SPEED (2018 IBC SECTION 1609)  
BASIC WIND SPEED 120 MPH (RISK CATEGORY III)  
WIND LOAD IMPORTANCE FACTOR RISK - CATEGORY III  
EXPOSURE CATEGORY B  
SNOW LOAD  
GROUND SNOW LOAD: 20 PSF  
SNOW LOAD IMPORTANCE FACTOR 1.0  
EXPOSURE CATEGORY B

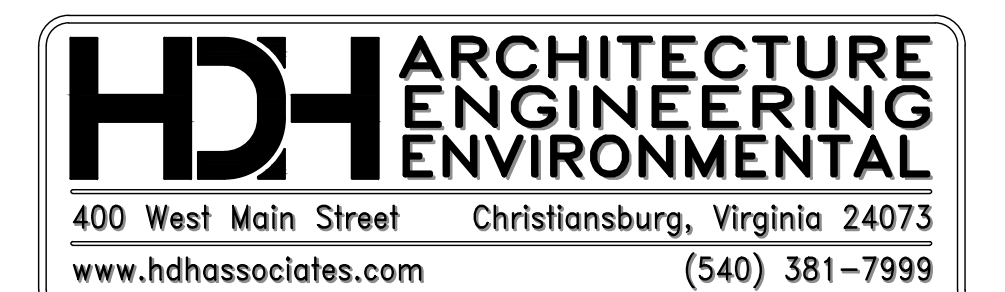
#### DRAWING INDEX

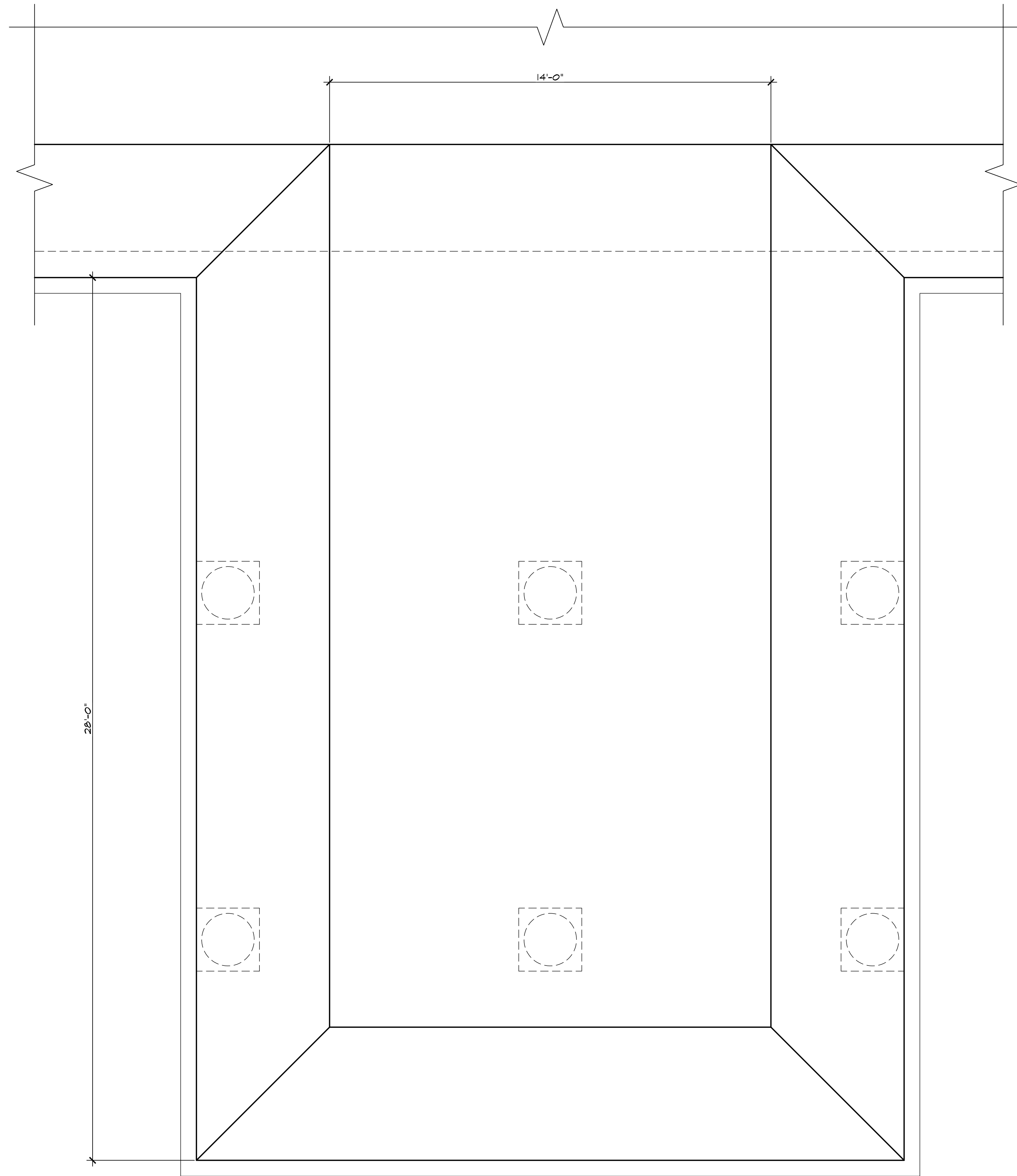
T-1 TITLE SHEET  
D-1 DEMOLITION PLAN  
A-1 ROOF PLAN & SCHEDULE & NOTES  
A-2 DETAILS

DATE: MAY 17, 2023



T-1  
BID COPY



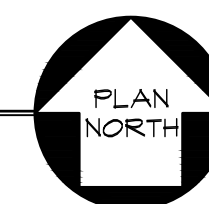


**DRIVE-THRU DEMOLITION NOTES:**

- DEMO**
1. DEMO DRIVE-THRU COMPLETELY BACK TO MANSARD ROOF
  2. DEMO 3 SETS OF LIGHTS
  3. DEMO ONE OUTLET
  4. DEMO 2 SETS OF OPEN/CLOSE LIGHTS
  5. DEMO BANK TELLER CHUTE
  6. DEMO CONCRETE CURBS
  7. DEMO BOLLARDS
  8. DEMO SLATE (SAVE TO REUSE)
  9. DEMO FASCIA TRIM (SAVE TO REUSE)

- NEW**
10. NEW MANSARD ROOF DECK (SEAL)
  11. NEW ICE & WATER SHIELD
  12. REPLACE SLATE
  13. NEW GUTTER (TIE INTO EXISTING)
  14. NEW SOFFIT
  15. NEW FASCIA & ALL TRIM TO MATCH EXISTING
  16. PRIME & PAINT
  17. POUR NEW CONCRETE (TIE INTO EXISTING)
  18. SEAL DRIVE-UP WINDOW

**DEMOLITION PLAN @ EXISTING DRIVE-THRU**  
SCALE: 1/2" = 1'-0"



**HDH ARCHITECTURE  
ENGINEERING  
ENVIRONMENTAL**

400 West Main Street  
Christiansburg, Virginia 24073  
www.hdhassociates.com (540) 381-7999

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DATE: MAY 17, 2023  
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CHECKED BY: HDH  
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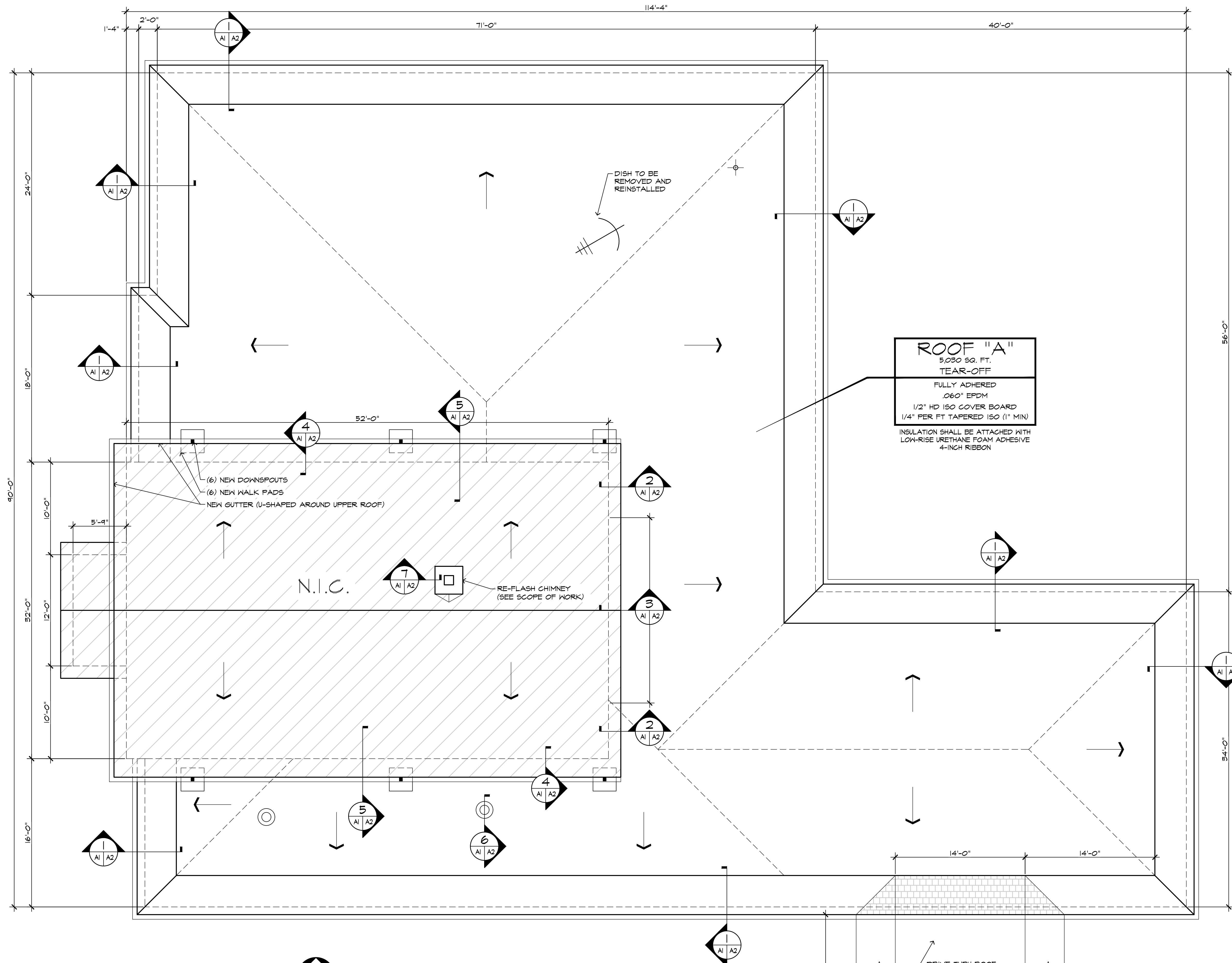
DATE: REVISIONS

DEMOLITION PLAN  
NORTHUMBERLAND COUNTY  
6958 NORTHUMBERLAND HWY  
PARTIAL ROOF REPLACEMENT  
HEATHSVILLE VIRGINIA

**D-1**

SHEET 1 OF 1

BID COPY



**ROOF PLAN**  
SCALE: 3/16" = 1'-0"

ROOF LEGEND	
	SATELLITE DISH
	ROUND DUCT PENETRATION
	FLOW DIRECTION INDICATOR
	DOWNSPOUT
	FULLY ADHERED WALK PAD

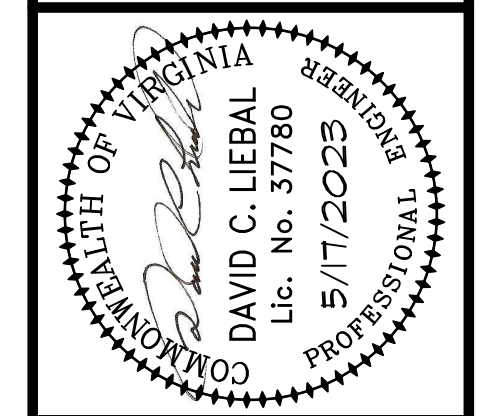
**REFLASH CHIMNEY SCOPE OF WORK:**

- REMOVE SLATE AS NEEDED
- REMOVE ALL STEP FLASHING & COUNTER FLASHING (ALL FOUR SIDES)
- INSTALL NEW COPPER FLASHING AT LOWER FACE OF CHIMNEY (FRONT APRON) WRAPPING AROUND BOTH SIDES OF CHIMNEY 6-INCH MIN & UP THE FACE 6-INCH MIN
- INSTALL COPPER STEP FLASHING (MIN 3" LENGTH BY 24" WIDE). INSTALL SLATE AS STEP FLASHING IS INSTALLED
- INSTALL COPPER CRICKET FLASHING AT TOP OF CHIMNEY (REAR APRON). TOP EDGE OF CRICKET TO TURN UNDER RIDGE SLATE. INSTALL SLATE (CUT TO MATCH ANGLE OF CRICKET) AFTER CRICKET IS INSTALLED.
- INSTALL COPPER COUNTERFLASHING OVER STEP, LOWER & UPPER (CRICKET) FLASHING. COUNTERFLASHING TO BE SURFACE APPLIED, MECHANICALLY ATTACHED WITH CAULKING FLANGE (SIMILAR TO DETAILS 2, 3 & 4).

- GENERAL NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY CONDITIONS, PENETRATIONS, SCUPPER AND DRAIN LOCATIONS.
  2. DETAILS BASED ON AN EPDM SYSTEM.
  3. CONTRACTOR SHALL NOT SPOT LOAD ANY AREA OF ROOF IN EXCESS OF 20 LBS. PER SQ. FT. OR WITHIN 6'-0" OF ROOF EDGE.
  4. CONTRACTOR'S PERSONNEL SHALL BE SUPERVISED AT ALL TIMES. THE WORK-FORCE SHALL CONDUCT THEMSELVES PROPERLY AT ALL TIMES.
  5. DEBRIS SHALL BE REMOVED DAILY FROM GROUNDS.
  6. IF A CONFLICT BETWEEN THE DESIGN DOCUMENTS, DETAILS, RECOMMENDATIONS, OR A PARTICULAR MANUFACTURER SHALL ARISE, THE MORE STRINGENT WILL PREVAIL.
  7. DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BIDDING AND PROCEEDING WITH ACTUAL CONSTRUCTION.
  8. MINIMUM VERTICAL TERMINATION SHALL BE 8" ABOVE FINISHED ROOF UNLESS OTHERWISE SPECIFIED BY THE MEMBRANE MANUFACTURER.
  9. SUBMIT SHOP DRAWINGS FOR TAPERED INSULATION & PROPOSED LAYOUT, REFER TO SECTION D1800 AND D1200 OF THE SPECIFICATIONS.
  10. MATERIALS ARE NOT TO BE STORED ON ANY ROOF NOT IDENTIFIED AS IN CONTRACT (N.I.C.). FOOT TRAFFIC IS ALSO PROHIBITED ON THESE ROOFS.
  11. NO STRUCTURAL MEMBER IS TO BE CUT UNLESS WRITTEN APPROVAL FROM ARCH/ENG HAS BEEN OBTAINED.
  12. ALL NEW CONSTRUCTION IS TO COMPLY WITH THE LATEST EDITION OF THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE VUSBC, 2015 EDITION.
  13. ALL CURBS TO BE RAISED 8" MIN ABOVE NEW ROOF HEIGHTS.

**ROOF "A"**  
5,030 SQ. FT.  
TEAR-OFF  
FULLY ADHERED  
.060" EPDM  
1/2" HD ISO COVER BOARD  
1/4" PER FT TAPERED ISO (1" MIN)  
INSULATION SHALL BE ATTACHED WITH  
LOW-RISE URETHANE FOAM ADHESIVE  
4-INCH RIBBON

EXISTING ROOF SCHEDULE		
ROOF AREA	APPROX. SQ. FT.	EXISTING ROOF COMPOSITION
A	5,030 SF	AGGREGATE SURFACE OVER LOW-RISE FOAM ROOF OVER BUR OVER WOOD DECK



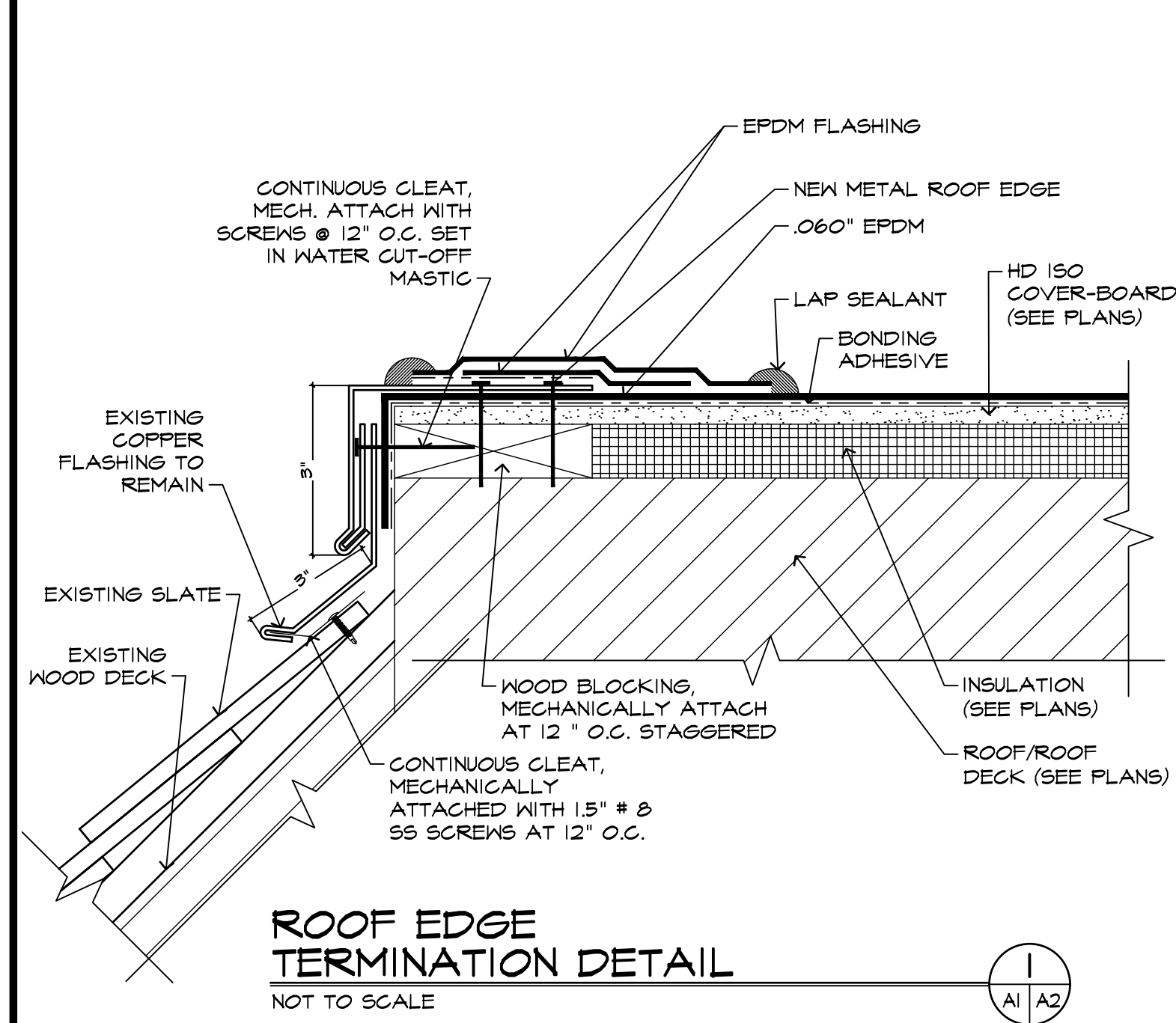
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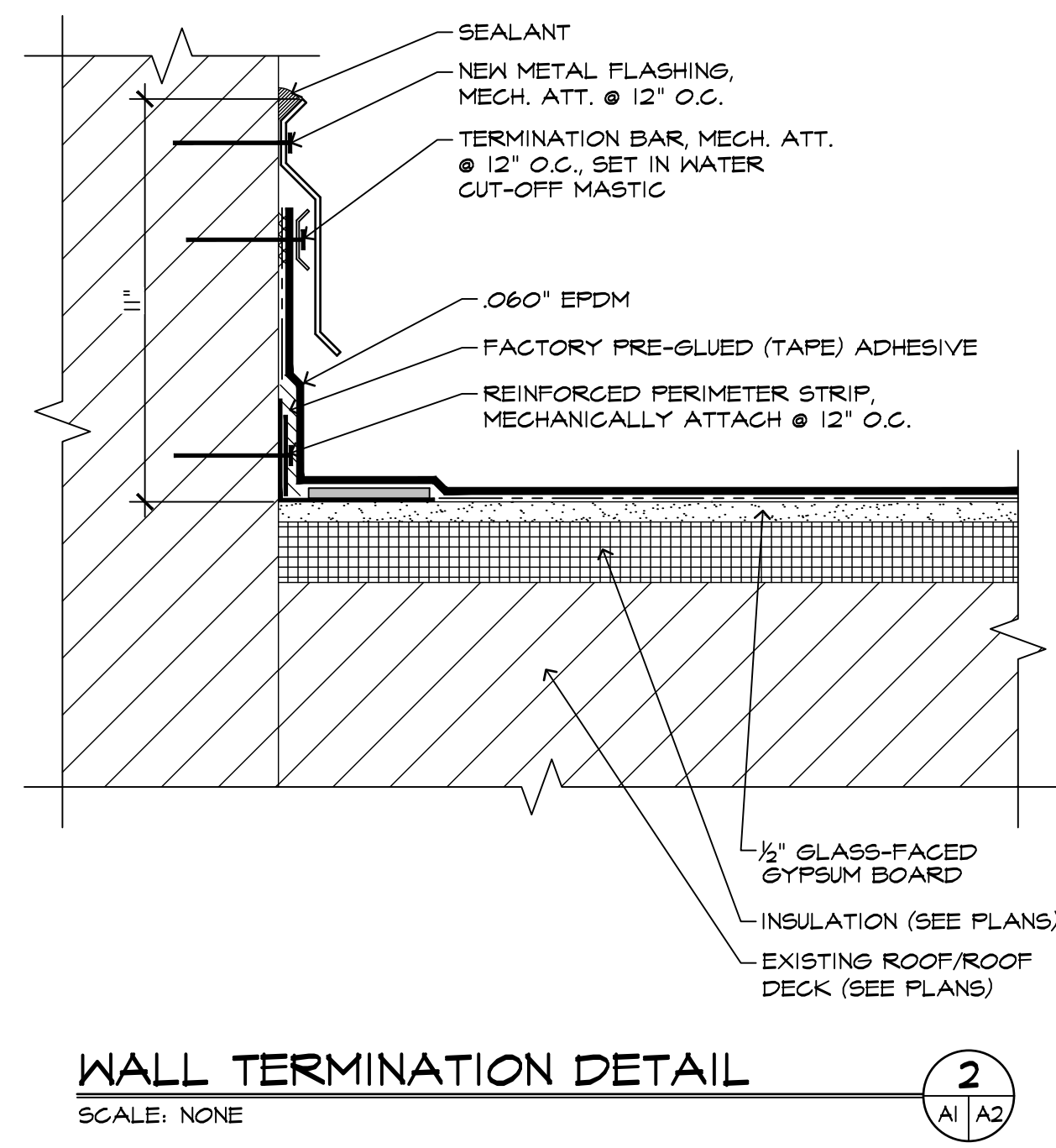
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**ROOF PLAN & SCHEDULE & NOTES**  
NORTHUMBERLAND COUNTY  
6458 NORTHUMBERLAND HWY  
PARTIAL ROOF REPLACEMENT  
HEATHSVILLE VIRGINIA



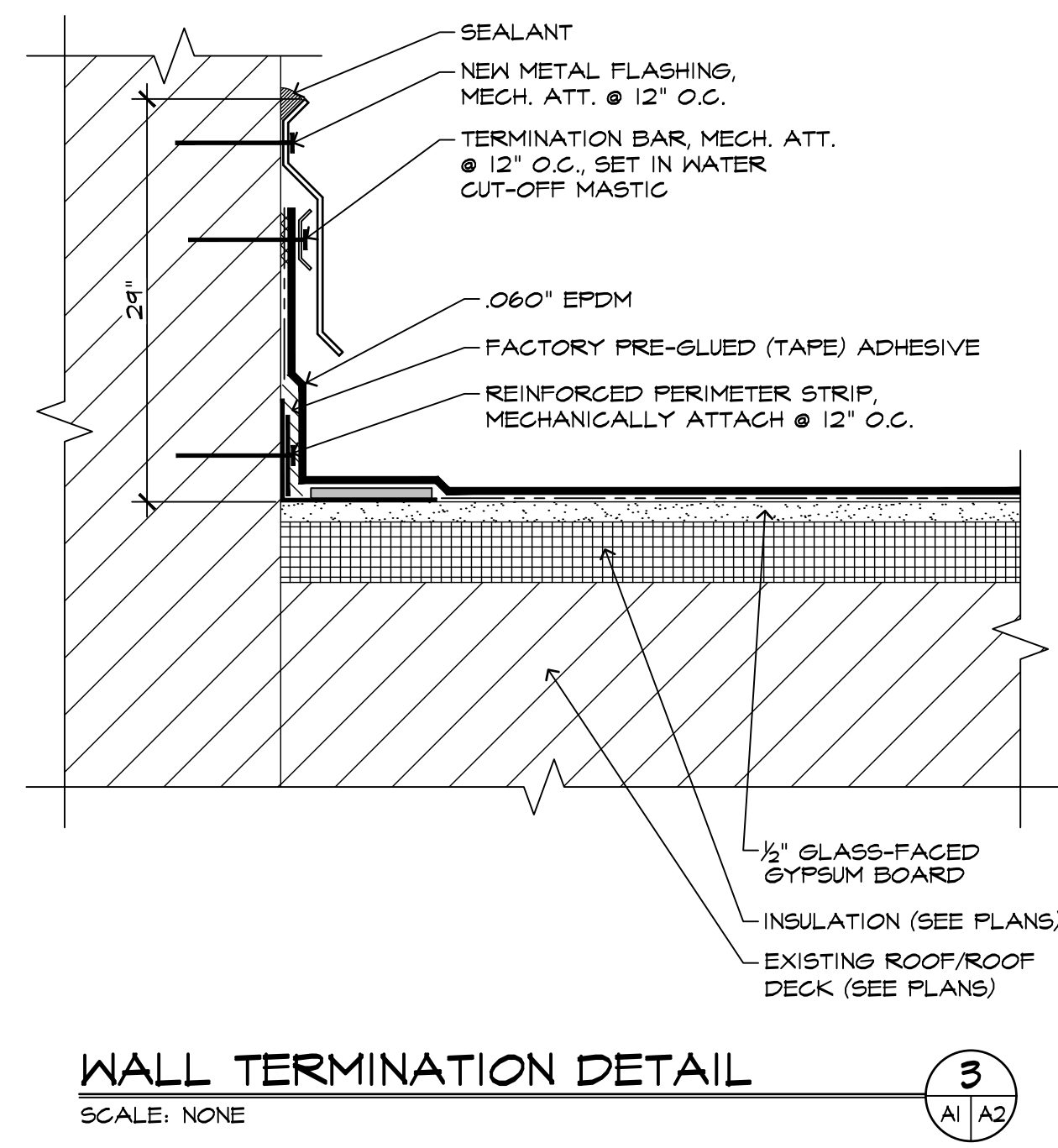
**ROOF EDGE TERMINATION DETAIL**  
NOT TO SCALE

1  
A1 | A2



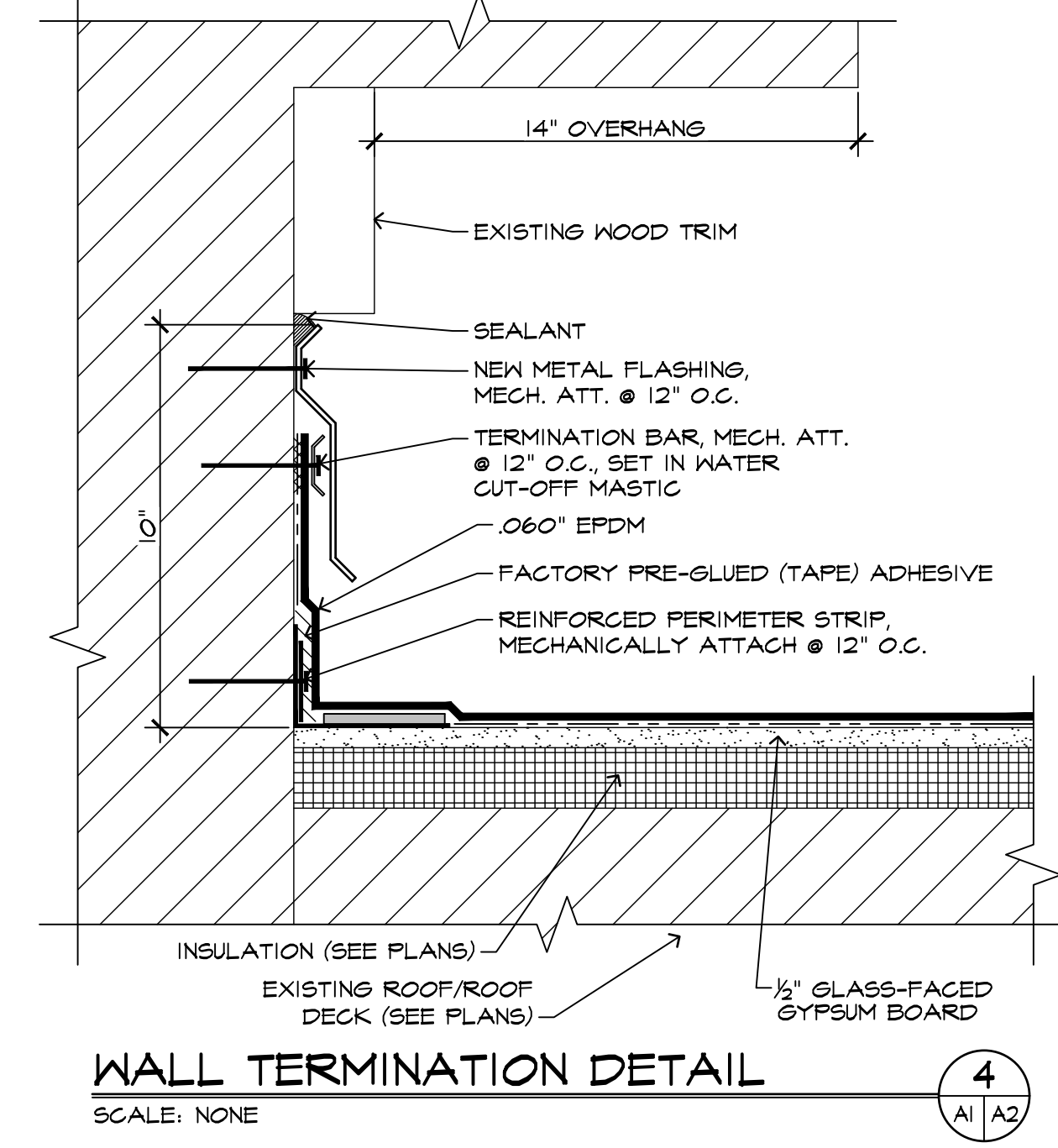
**WALL TERMINATION DETAIL**  
SCALE: NONE

2  
A1 | A2



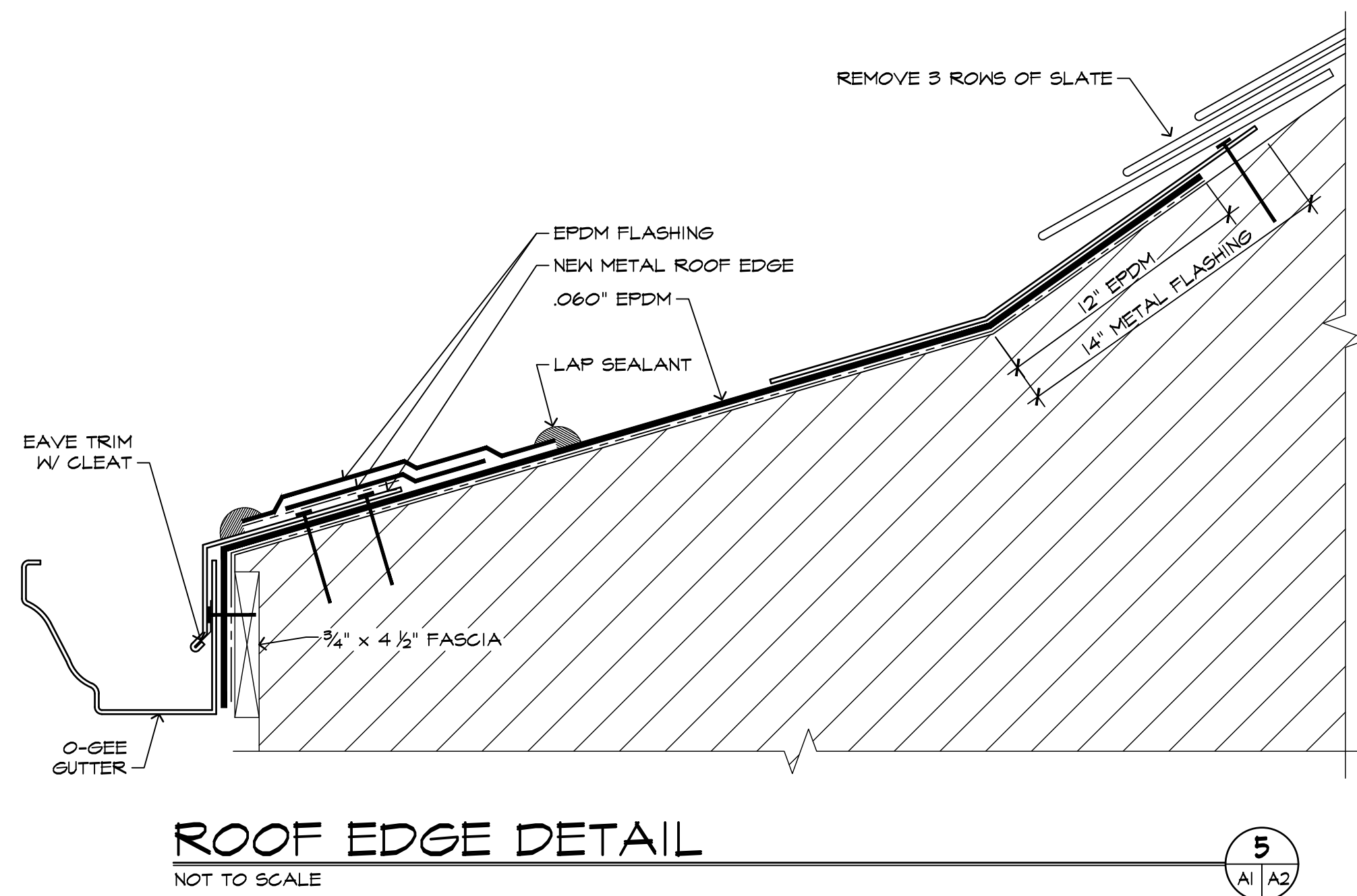
**WALL TERMINATION DETAIL**  
SCALE: NONE

3  
A1 | A2



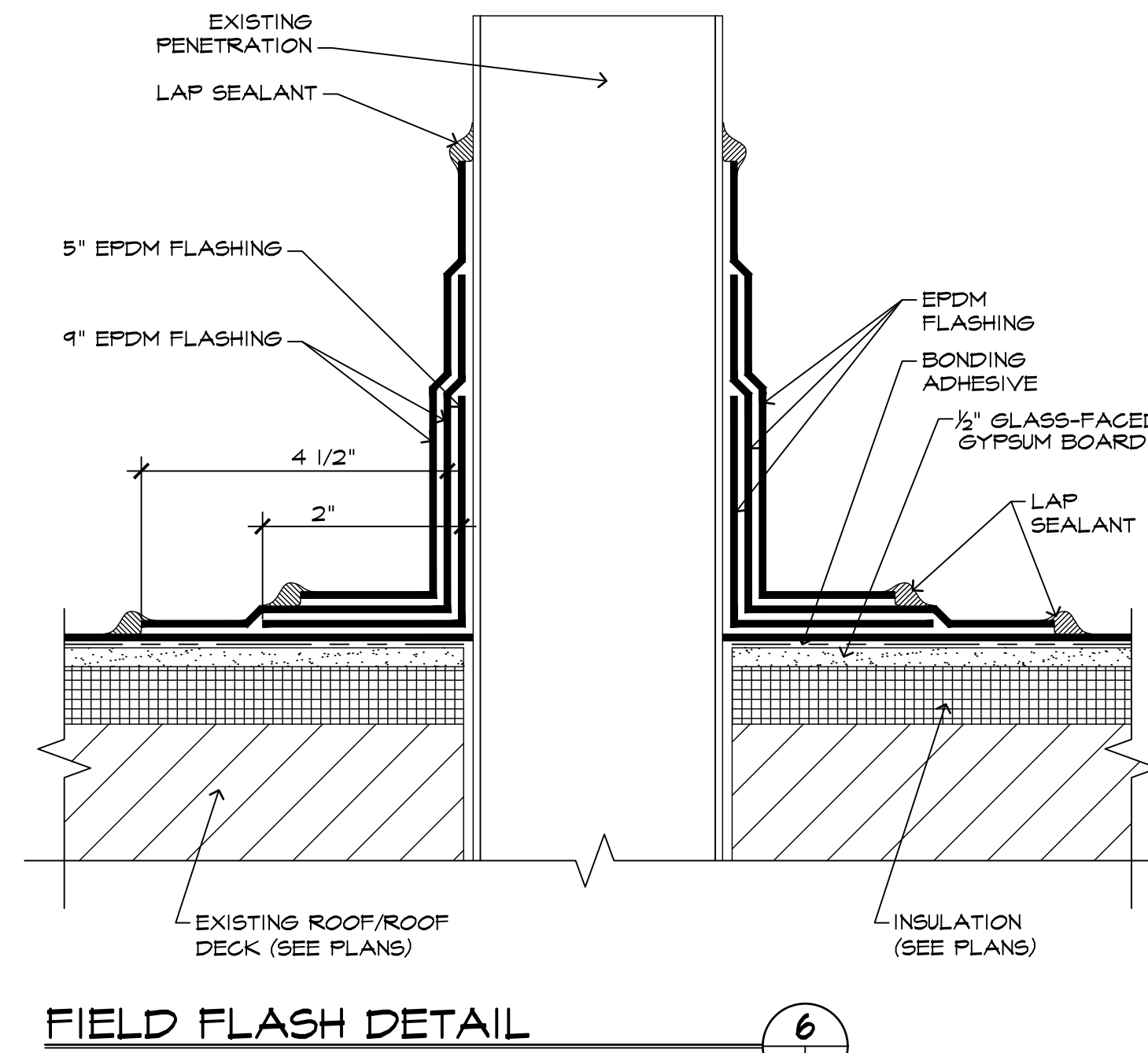
**WALL TERMINATION DETAIL**  
SCALE: NONE

4  
A1 | A2



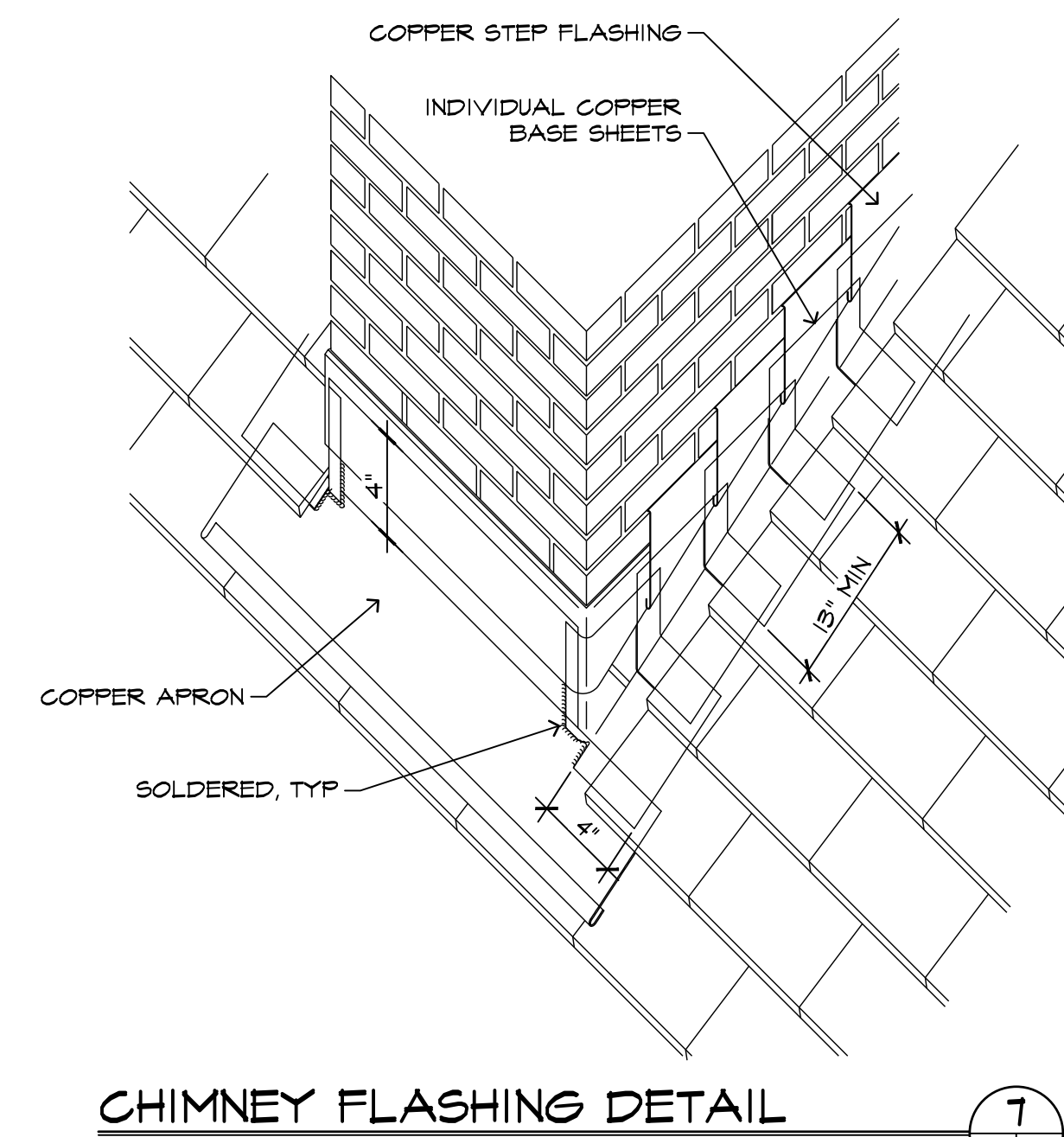
**ROOF EDGE DETAIL**  
NOT TO SCALE

5  
A1 | A2



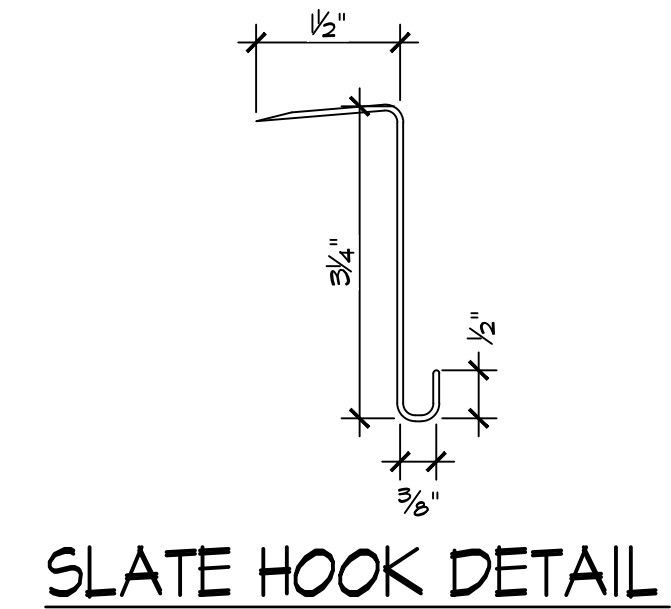
**FIELD FLASH DETAIL**  
NOT TO SCALE

6  
A1 | A2

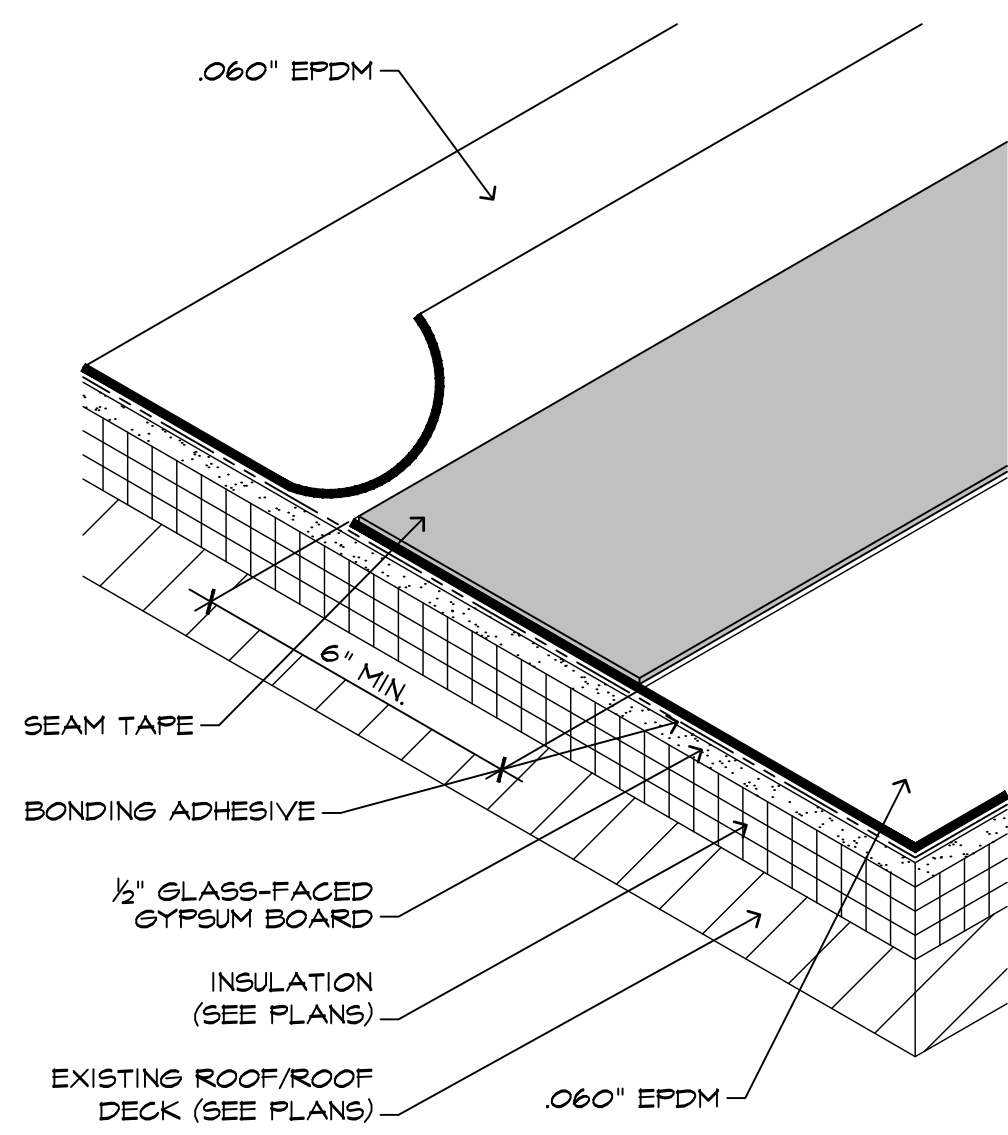


**CHIMNEY FLASHING DETAIL**  
SCALE: NONE

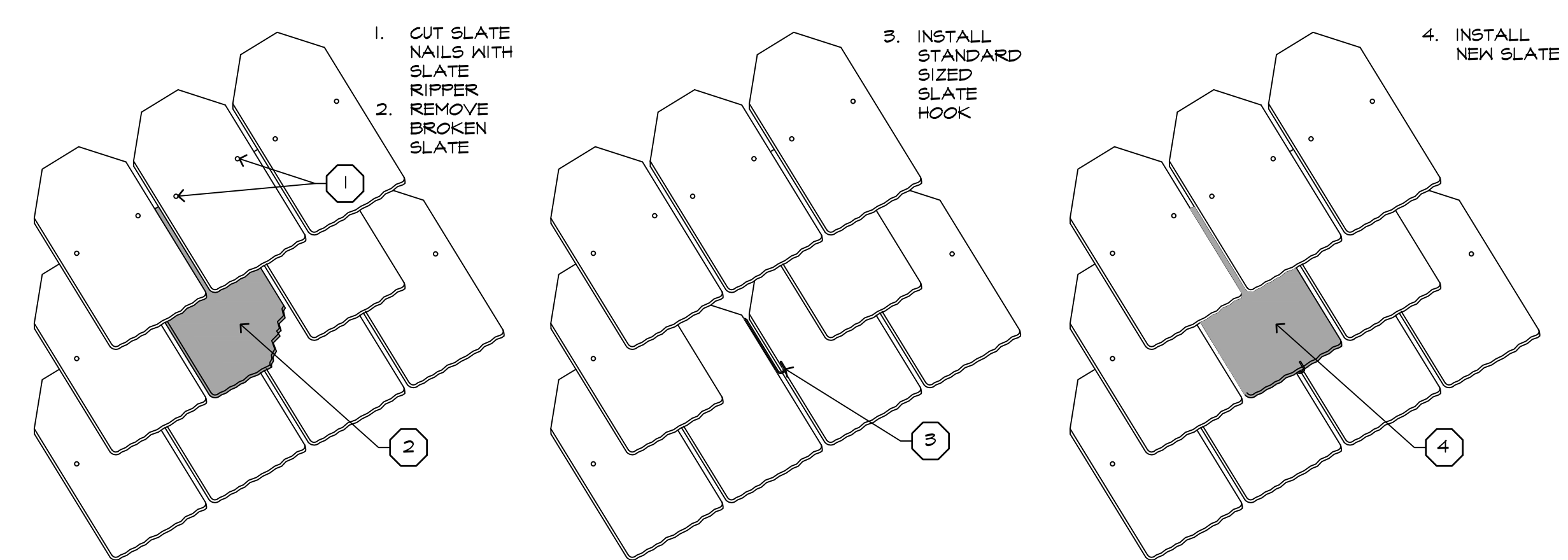
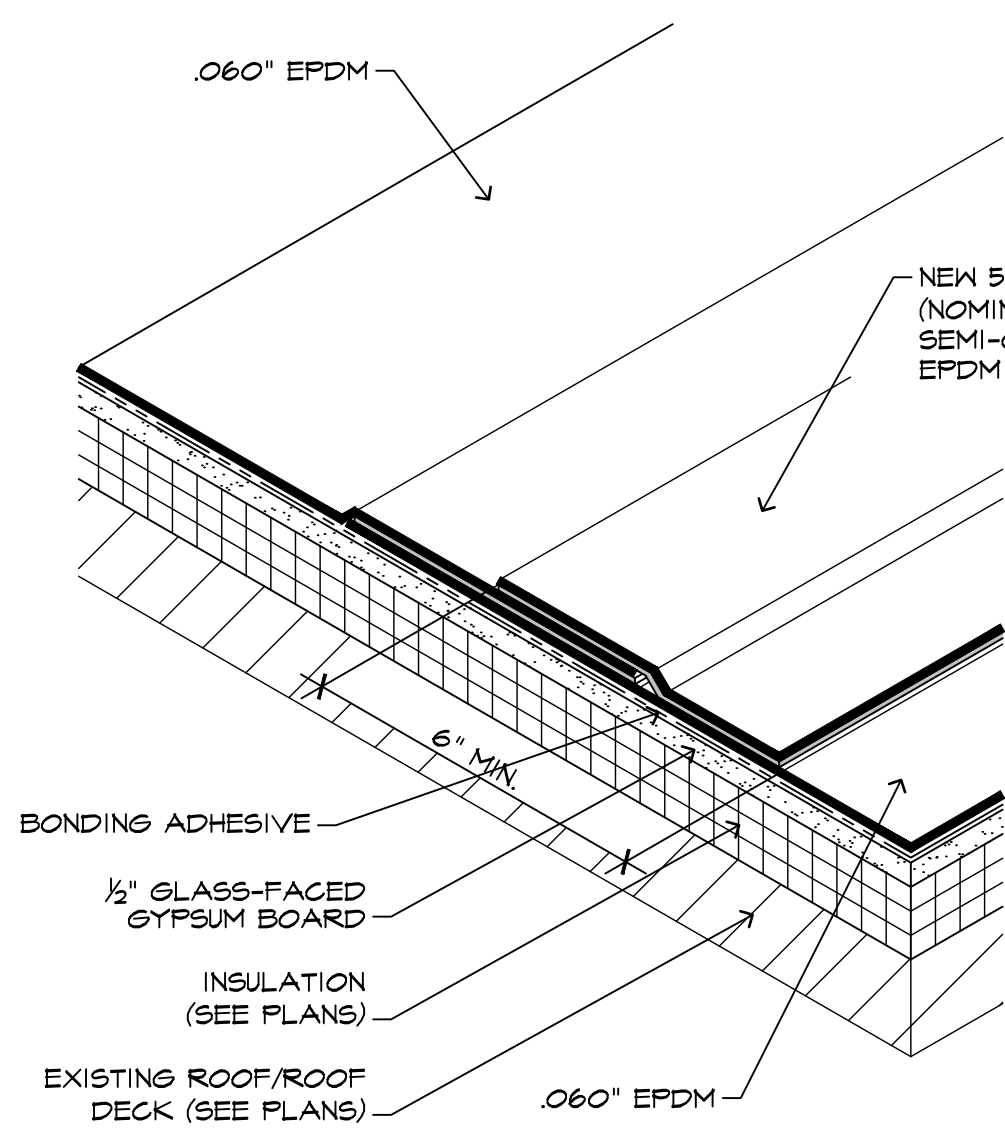
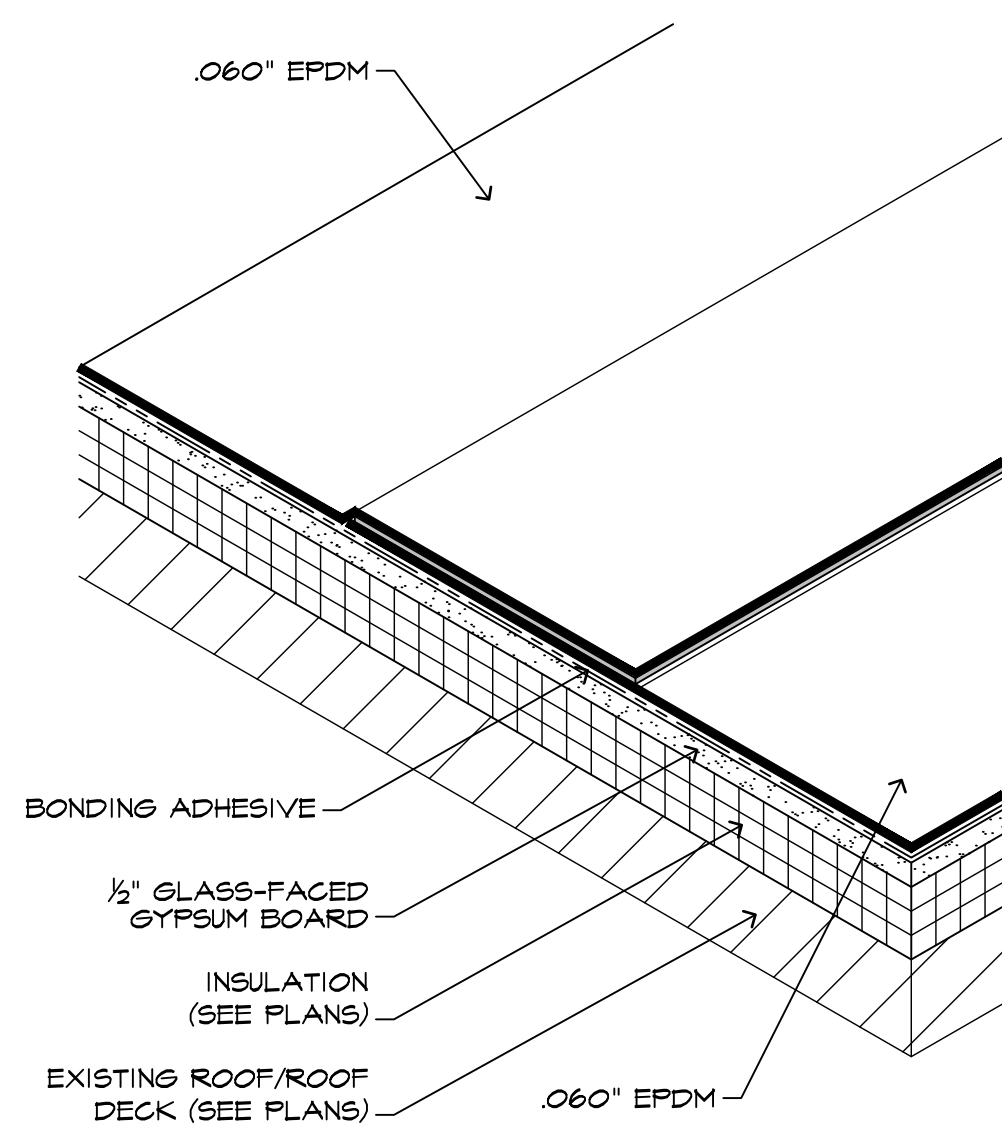
7  
A1 | A2



**SLATE HOOK DETAIL**  
SCALE: NOT TO SCALE



**LAP TERMINATION DETAIL**  
SCALE: NONE



**SLATE REPLACEMENT/REPAIR DETAIL**  
SCALE: NOT TO SCALE



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