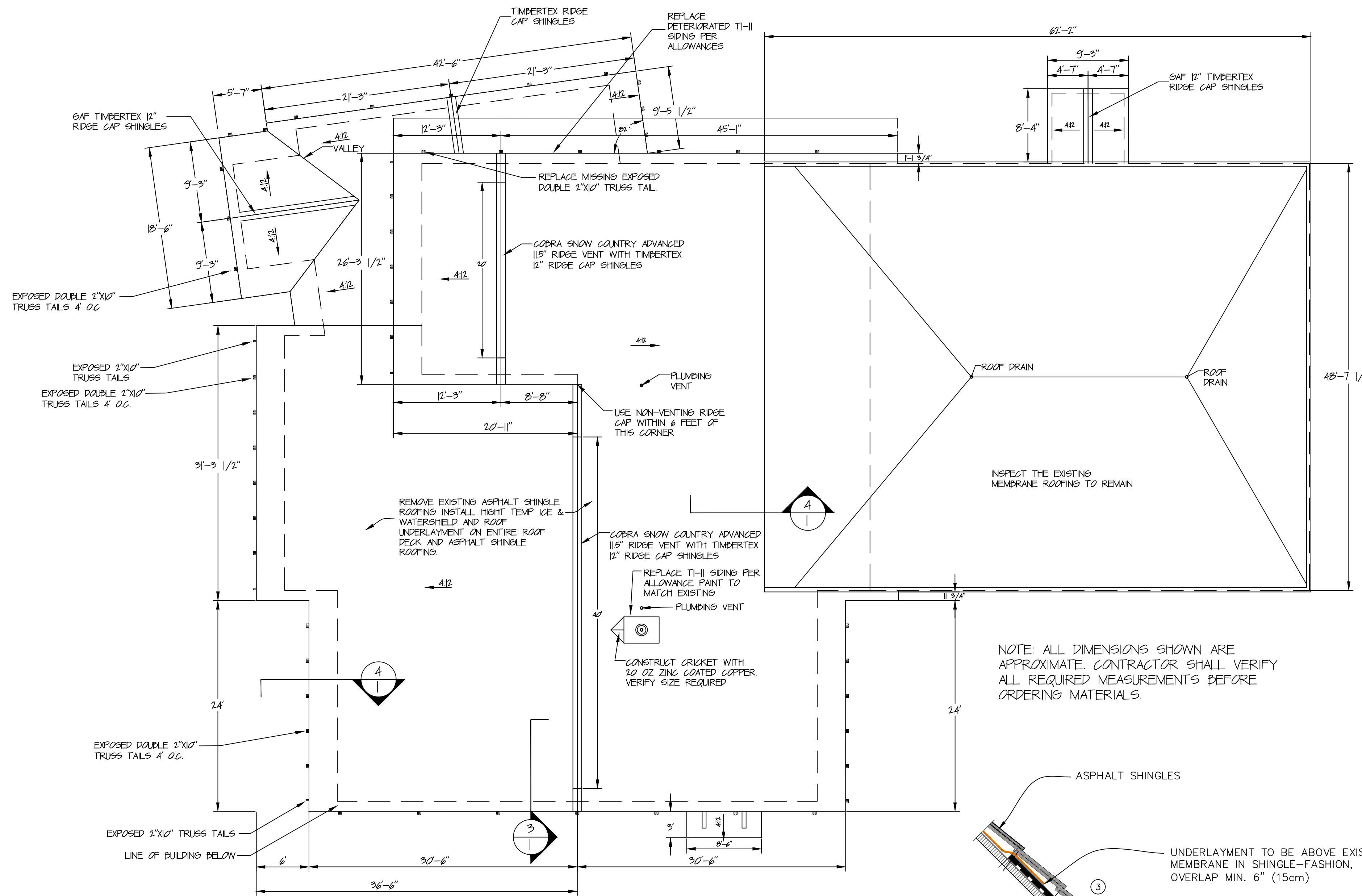
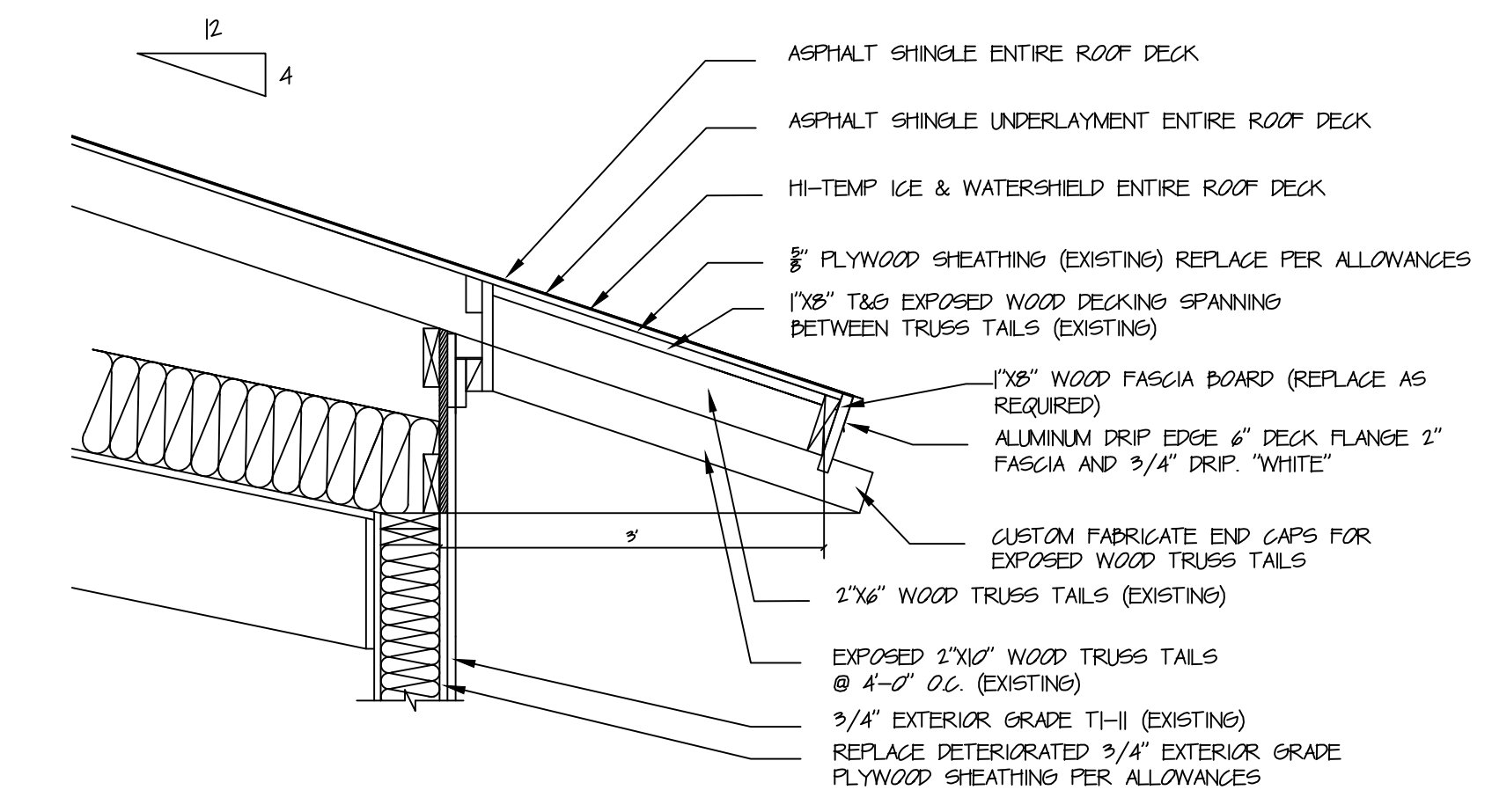


BROOKSIDE LEARNING CENTER AT CANNON MOUNTAIN SKI AREA
FRANCONIA NOTCH STATE PARK FRANCONIA, NH

WARNING! HIGH WIND AREA
PROJECT SITE ELEVATION IS 2,045 + FEET

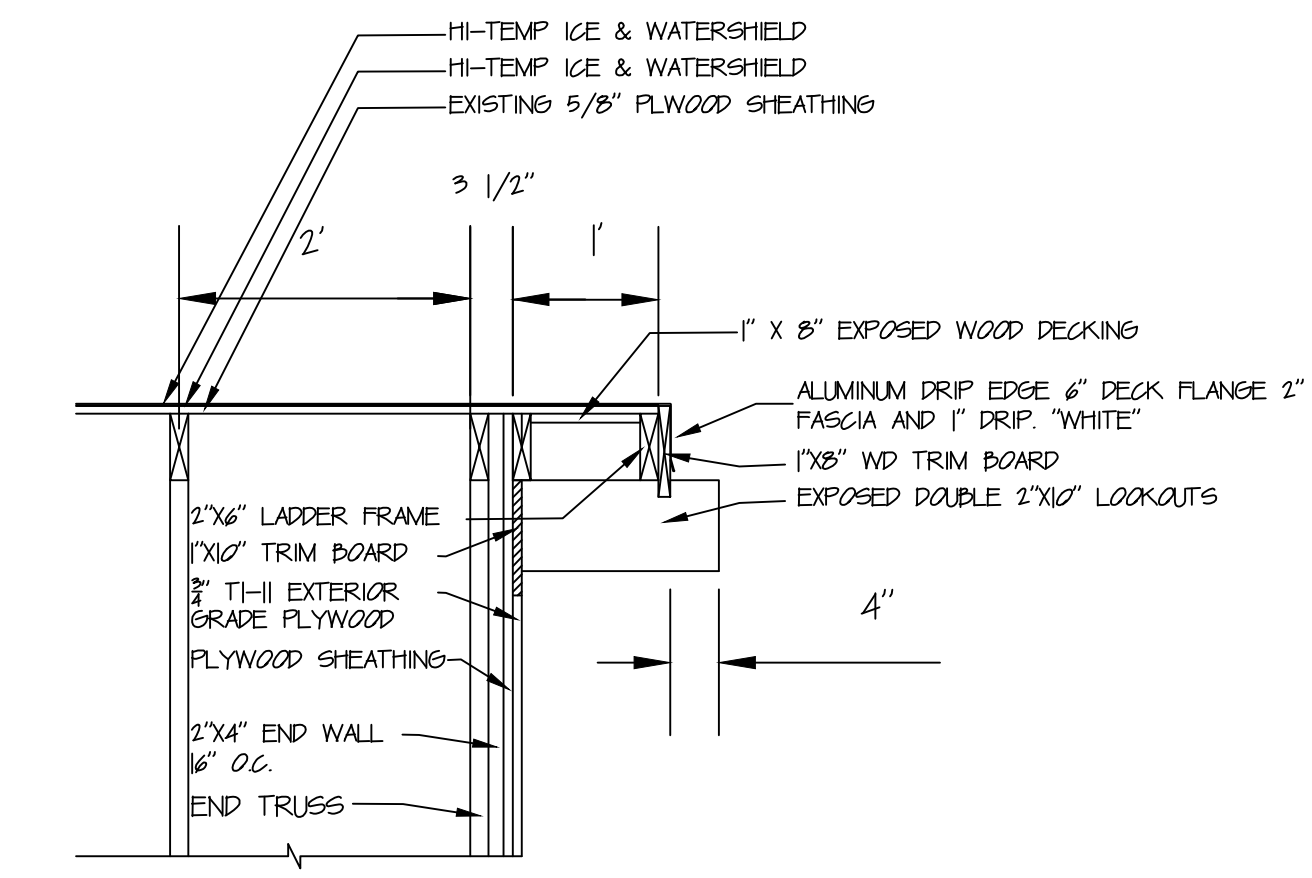


NOTES:
1. LEAK BARRIER SHALL BE APPLIED IN FAIR WEATHER WHEN THE AIR, ROOF DECK, AND MEMBRANE ARE AT TEMPERATURES OF 40 F OR HIGHER. ROOF COVERING MATERIAL SHALL BE APPLIED AT TEMPERATURES OF 40 F OR HIGHER.

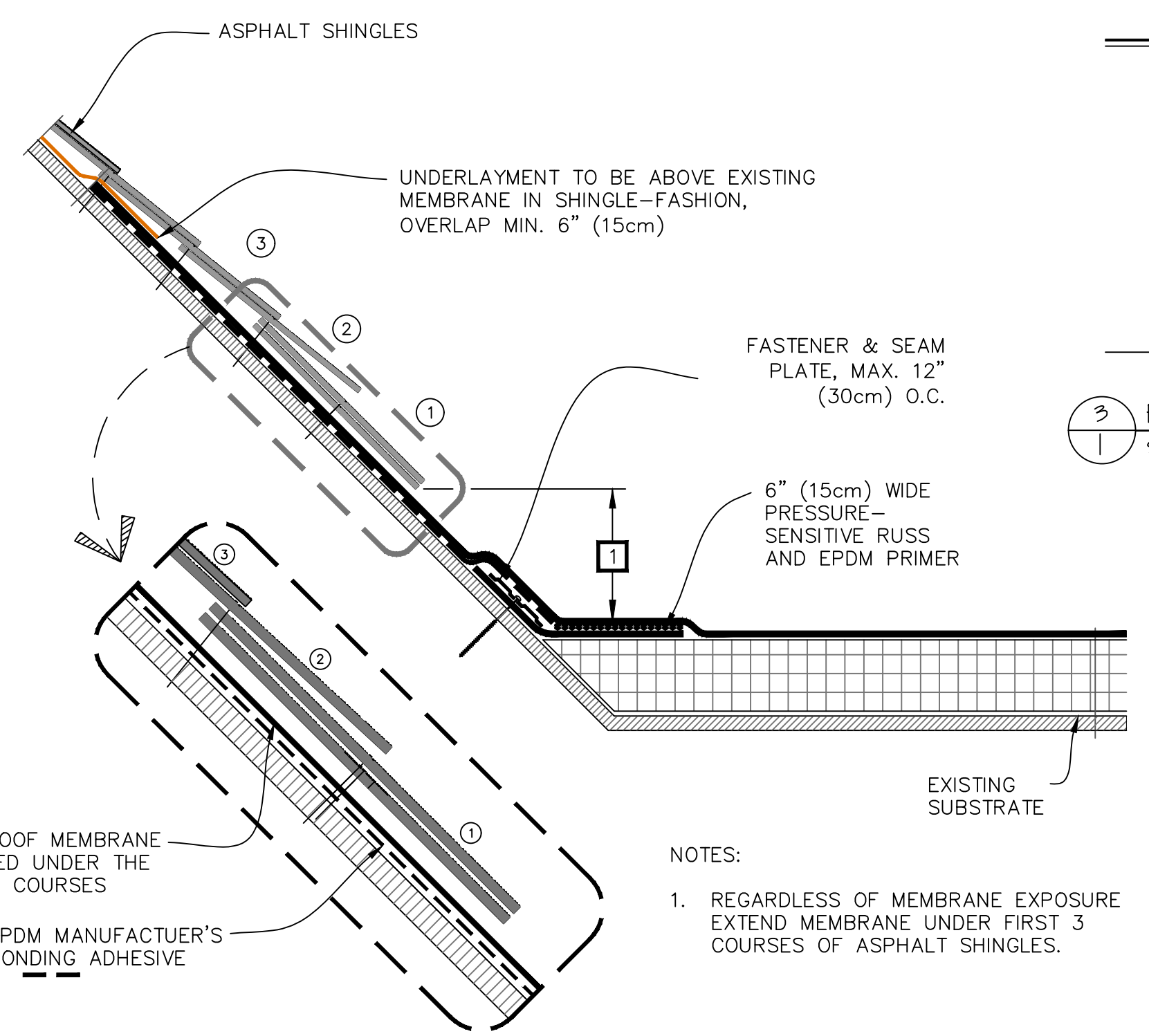


2 EAVE DETAIL (TYPICAL)
SCALE: 3/4" = 1'-0"

NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL REQUIRED MEASUREMENTS BEFORE ORDERING MATERIALS.



3 ROOF RAKE DETAIL (TYPICAL)
SCALE: 3/4" = 1'-0"



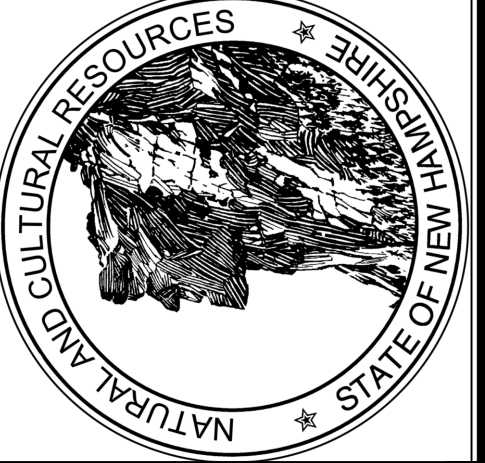
NOTES:
1. REGARDLESS OF MEMBRANE EXPOSURE EXTEND MEMBRANE UNDER FIRST 3 COURSES OF ASPHALT SHINGLES.

4 EPDM TO SHINGLE TRANSITION
SCALE: 3/4" = 1'-0"

1 CANNON MOUNTAIN SKI RESORT BROOKSIDE LEARNING CENTER
SCALE: 1/8" = 1'-0"

- NOTES:
1. STRIP AND REMOVE ASPHALT SHINGLE ROOFING SYSTEM.
 2. REPLACE ANY DETERIORATED SHEATHING.
 3. REPLACE DETERIORATED FASCIA AND FASCIA TRIM BOARDS.
 4. INSTALL ICE & WATERSHIELD UNDERLAYMENT PER ASPHALT SHINGLE MANUFACTURER'S REQUIREMENTS ON ENTIRE ROOF DECK SURFACE.
 5. INSTALL ADDITIONAL 3" WIDE STRIPS OF ICE & WATERSHIELD IN ALL VALLEYS AND AROUND ALL ROOF PENETRATIONS.
 6. INSTALL ASPHALT SHINGLES ROOFING.
 7. REPLACE AREAS OF T-II SIDING PER ALLOWANCES.

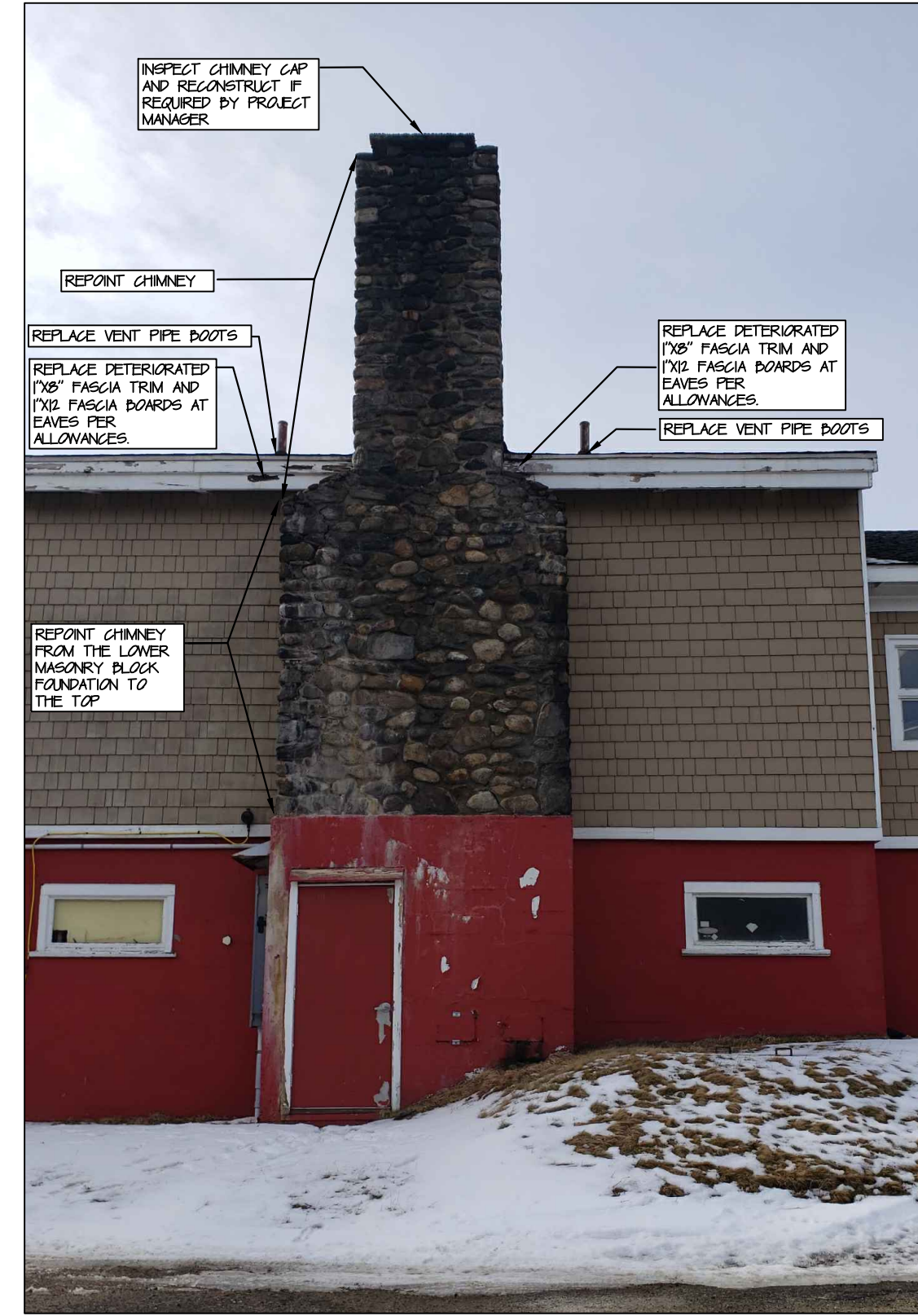
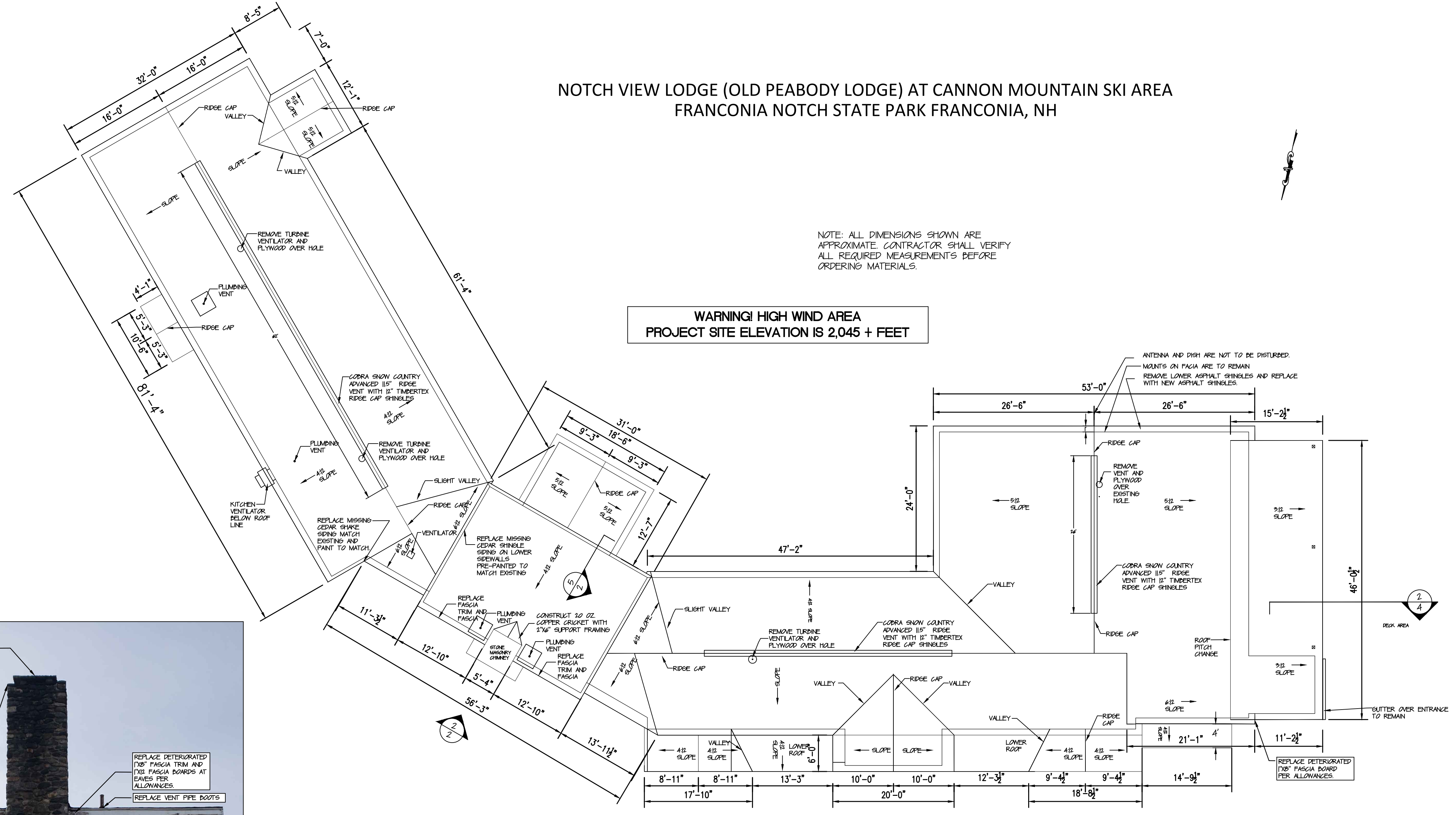
ROOF REPLACEMENT BROOKSIDE LEARNING CENTER	DATE: FEB 3, 2015
	PROJECT # CAP-2418
APPROVED BY: EDWARD MUSSEY	SCALE: 1/8" = 1'-0"



STATE OF NEW HAMPSHIRE
DEPARTMENT OF NATURAL AND CULTURAL RESOURCES
CAPITAL PROJECTS & MAINTENANCE
CANNON MTN. STATE SKI AREA
FRANCONIA, NEW HAMPSHIRE

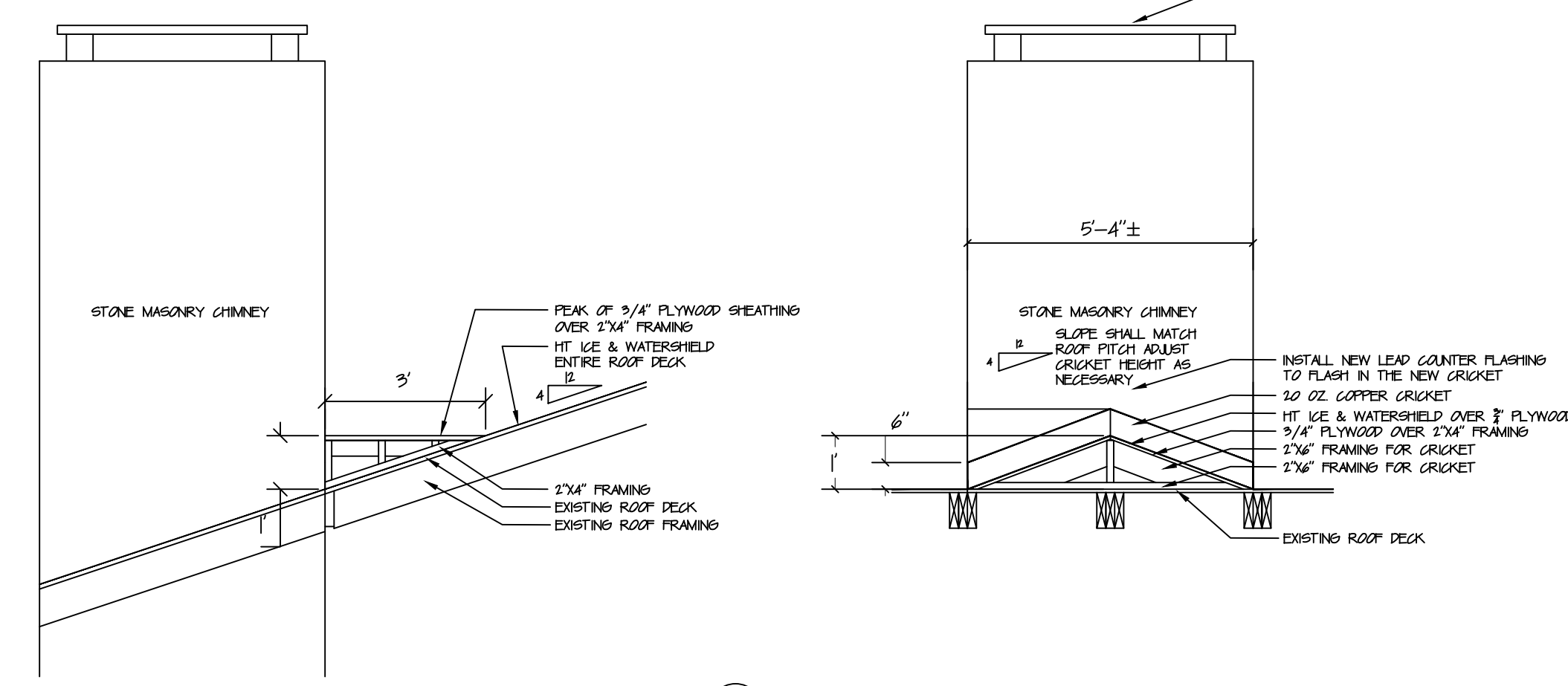
SHEET

NOTCH VIEW LODGE (OLD PEABODY LODGE) AT CANNON MOUNTAIN SKI AREA FRANCONIA NOTCH STATE PARK FRANCONIA, NH

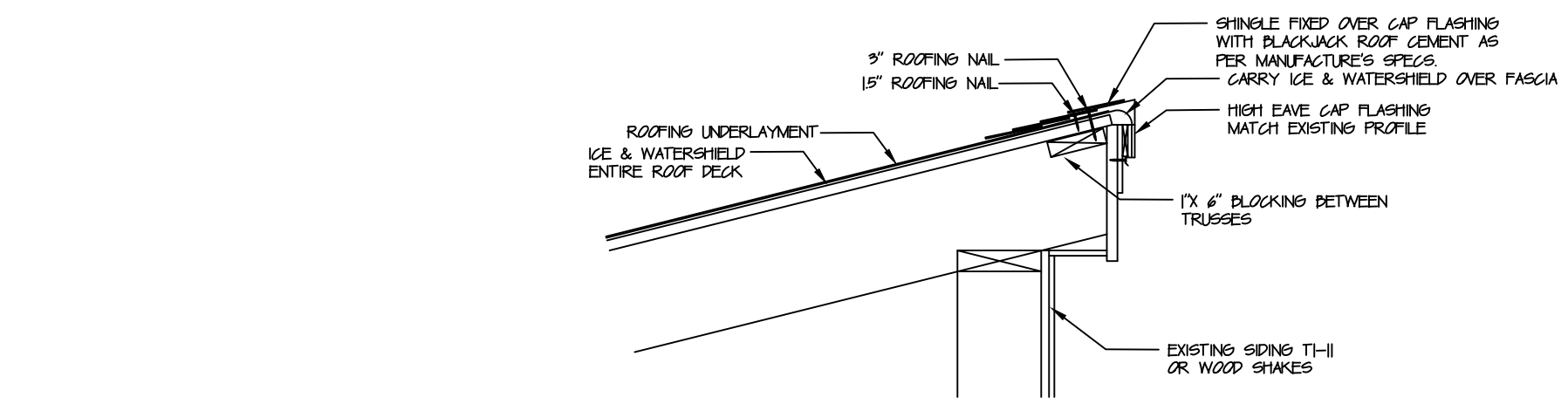


② CANNON MOUNTAIN NOTCHVIEW LODGE (OLD PEABODY LODGE) CHIMNEY
SCALE: N/A

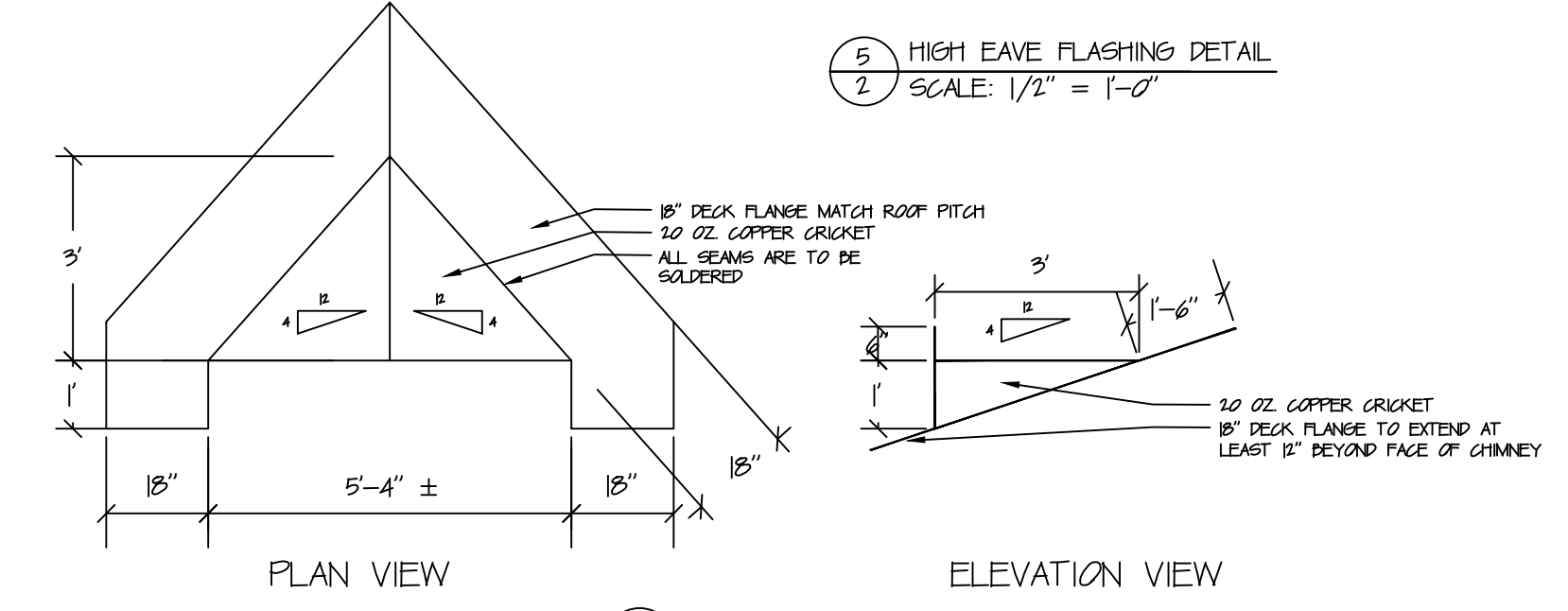
① CANNON MOUNTAIN NOTCHVIEW LODGE (OLD PEABODY LODGE)
SCALE: 1/8" = 1'-0"



③ CRICKET FRAMING DETAIL
SCALE: 1/4" = 1'-0"



⑤ HIGH EAVE FLASHING DETAIL
SCALE: 1/2" = 1'-0"



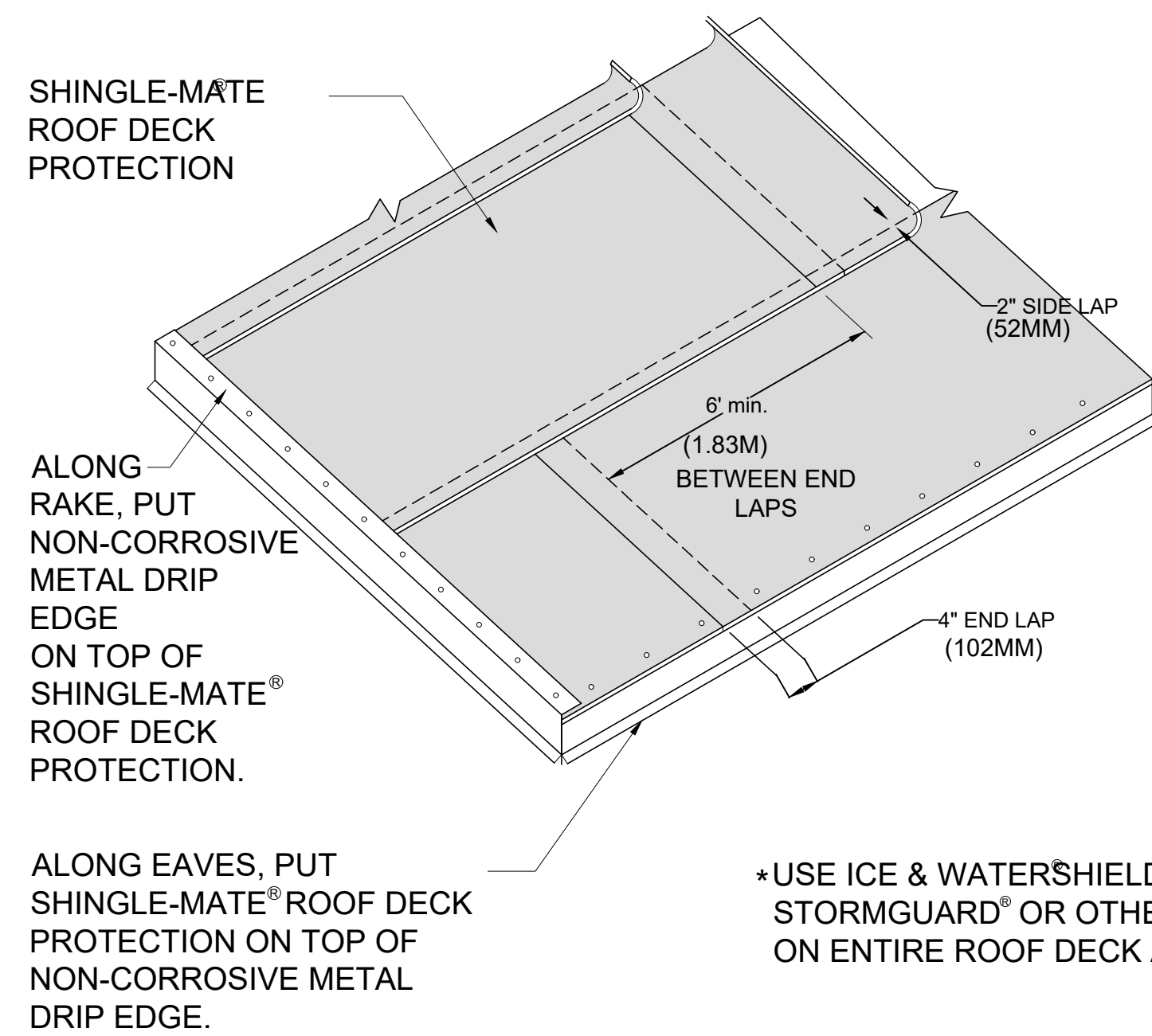
④ COPPER CRICKET DETAIL
SCALE: 1/4" = 1'-0"

- NOTES:
1. STRIP AND REMOVE ASPHALT SHINGLE ROOFING SYSTEM.
 2. REPLACE ANY DETERIORATED SHEATHING.
 3. REPLACE DETERIORATED FASCIA AND FASCIA TRIM BOARDS.
 4. INSTALL 18-TEMP ICE & WATERSHIELD AND ROOF UNDERLAYMENT PER ASPHALT SHINGLE MANUFACTURER'S REQUIREMENTS ON ENTIRE ROOF DECK SURFACE.
 5. INSTALL ADDITIONAL 3" WIDE STRIPS OF 18-TEMP ICE & WATERSHIELD UNDERLAYMENT IN ALL VALLEYS AND AROUND ALL ROOF PENETRATIONS.
 6. INSTALL ASPHALT SHINGLES.
 7. REPOINT STONE MASONRY CHIMNEY FROM THE MASONRY BLOCK FOUNDATION TO THE CHIMNEY CAP. INSPECT CHIMNEY CAP & REPAIR AS NECESSARY.
 8. INSTALL FRAMING & SHEATHING FOR THE CRICKET.
 9. INSTALL COPPER CHIMNEY CRICKET AND NEW LEAD GOUNTER FLASHING.

PROJECT # CAP-2428 APPROVED BY: _____ DRAWN BY: EDWARD MUSSEY	DATE: FEB 3, 2015
	SCALE: 1/8" = 1'-0"



STATE OF NEW HAMPSHIRE
DEPARTMENT OF NATURAL AND CULTURAL RESOURCES
CAPITAL PROJECTS & MAINTENANCE
CANNON MOUNTAIN SKI AREA
FRANCONIA, NEW HAMPSHIRE

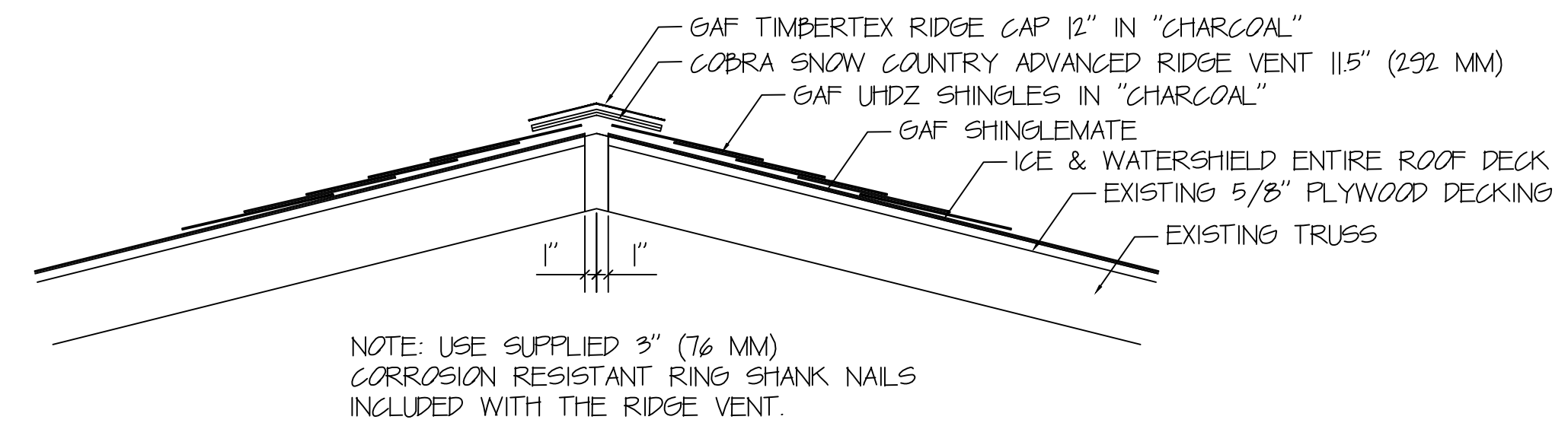


1
3 SHINGLE-MATE INSTALLATION DETAIL 4:12 OR MORE
SCALE: N/A

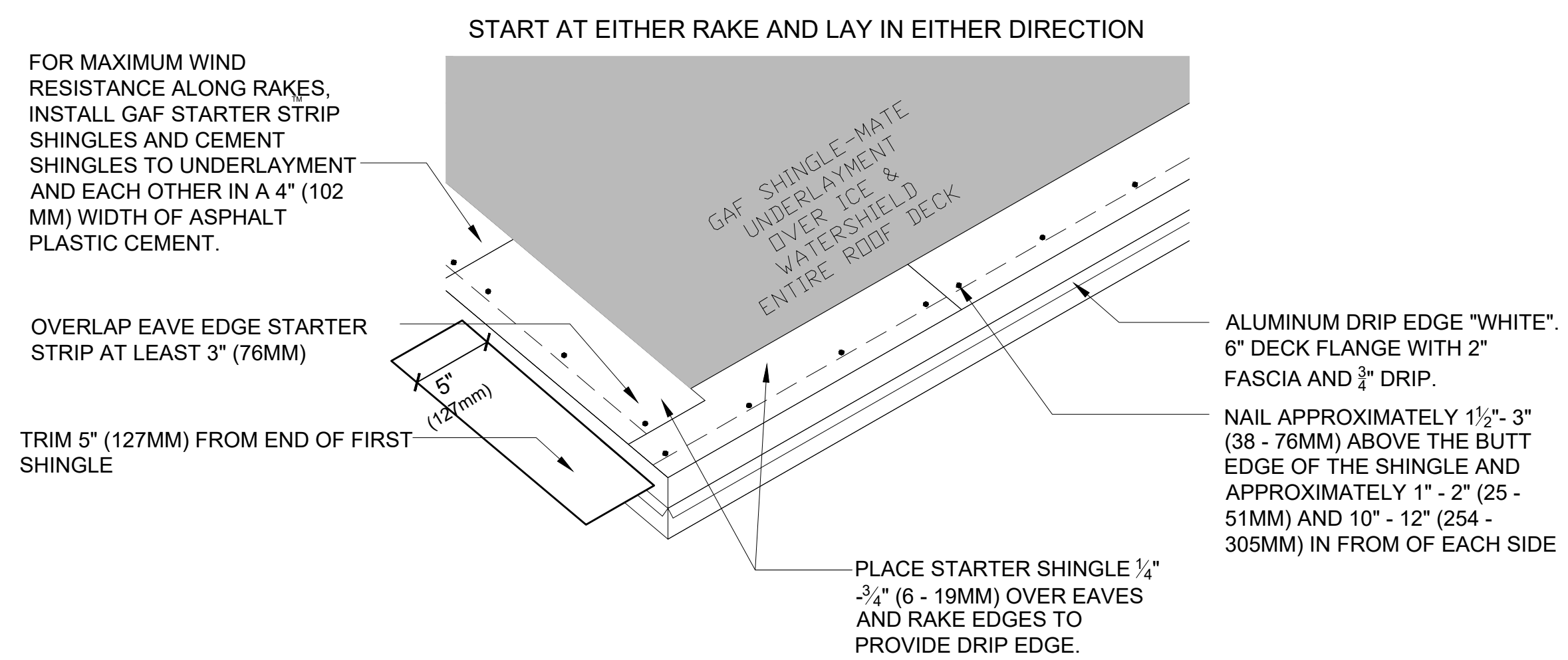
*USE ICE & WATERSHIELD, WEATHER WATCH, STORMGUARD OR OTHER GAF LEAK BARRIER ON ENTIRE ROOF DECK AS REQUIRED

NOTES:

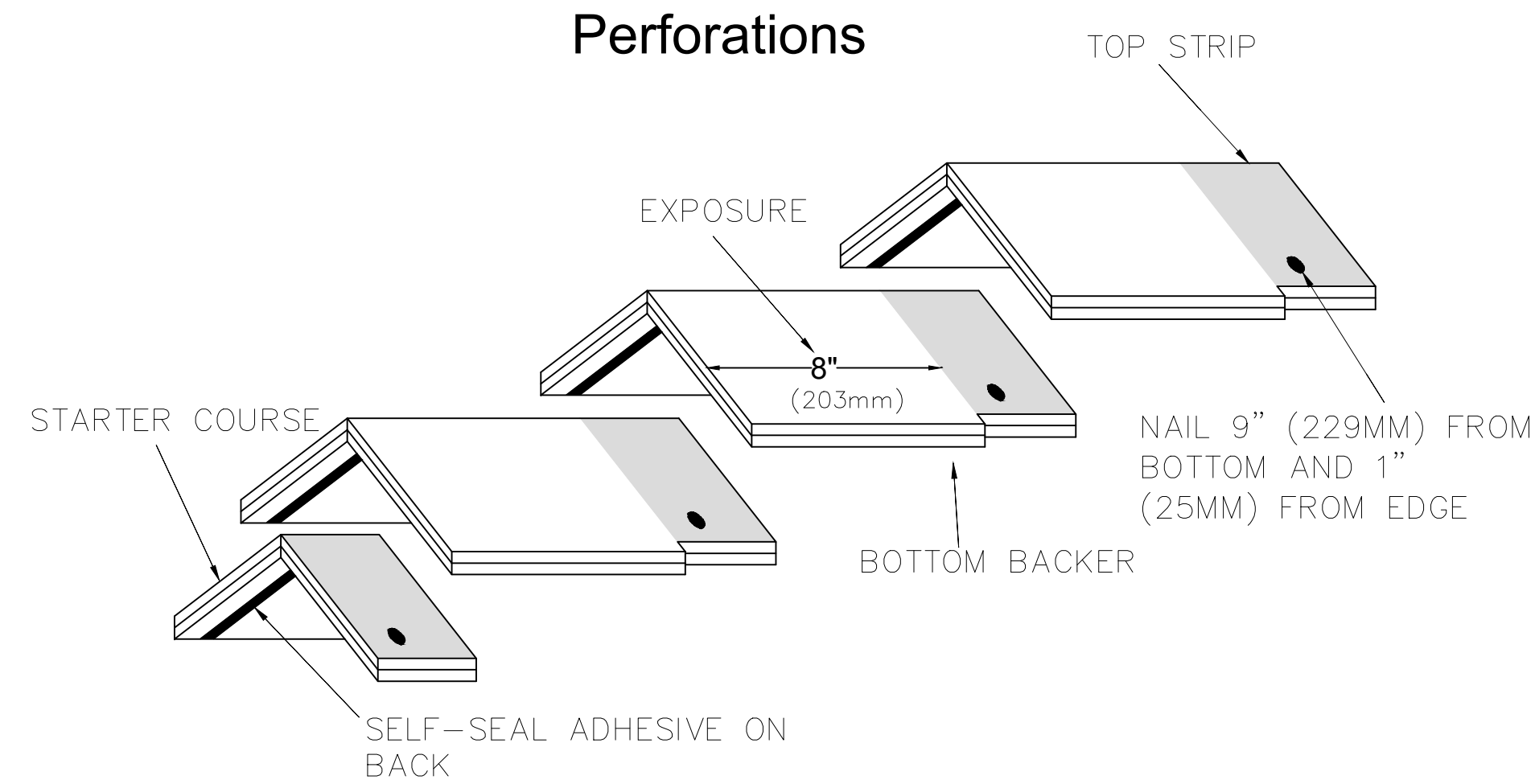
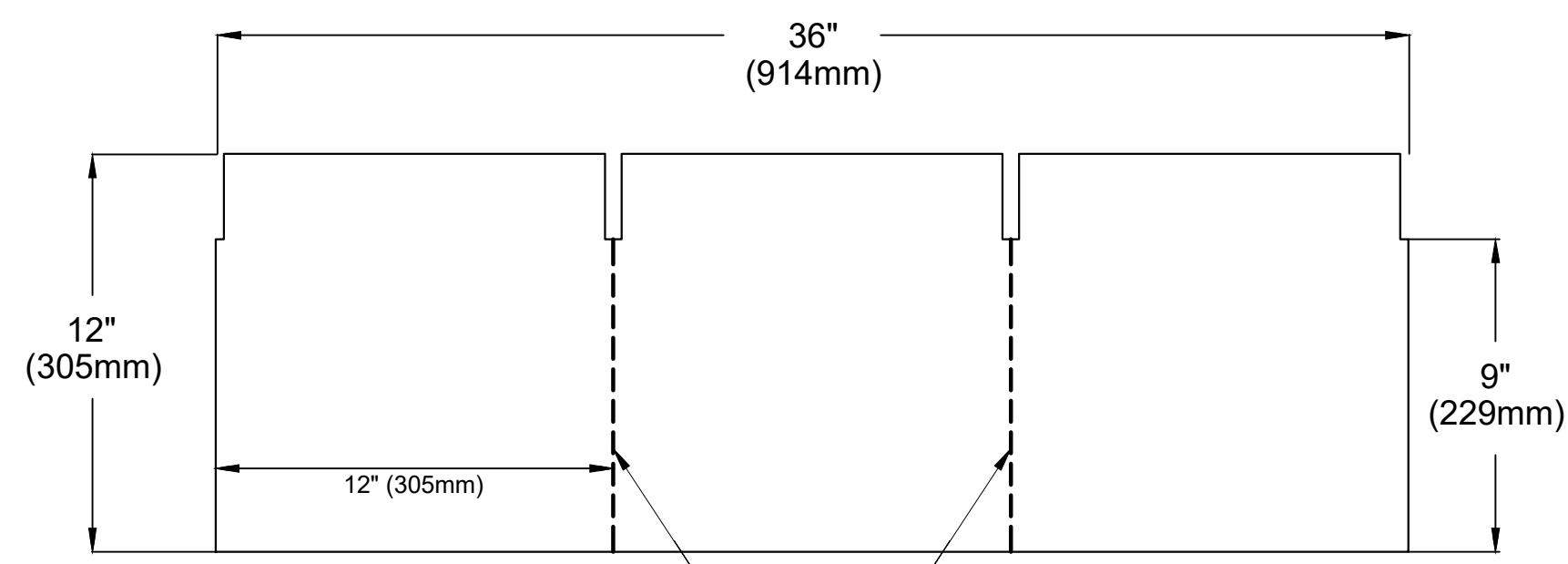
1. LEAK BARRIER'S SHALL BE APPLIED IN FAIR WEATHER WHEN THE AIR, ROOF DECK, AND MEMBRANE ARE AT TEMPERATURES OF 40° F OR HIGHER. ROOF COVERING MATERIAL SHALL BE APPLIED AT TEMPERATURES OF 40° F OR HIGHER.



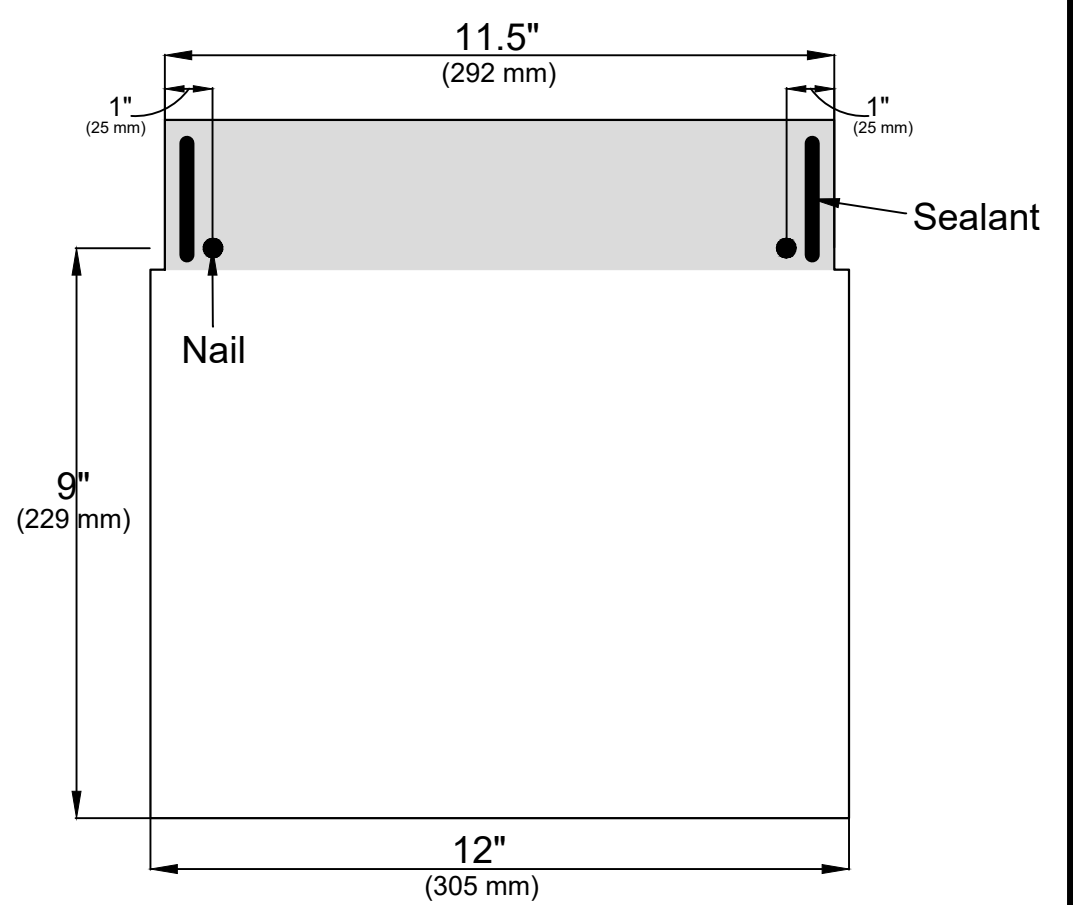
3
3 RIDGE VENT DETAIL (TYPICAL)
SCALE: N/A



2
3 PRO-START INSTALLATION
SCALE: N/A



4
3 TIMBERTEX INSTALLATION DETAIL
SCALE: N/A



FOR COLD WEATHER APPLICATION
 • IN COLD WEATHER, WARM TIMBERTEX® RIDGE CAP SHINGLES BEFORE BENDING.
 • WHEN SELF-SEALING MAY BE DELAYED DUE TO COLD WEATHER, APPLY QUARTER-SIZED DABS OF ASPHALT PLASTIC CEMENT (MUST CONFORM TO ASTM D4586 TYPE I OR TYPE II) BETWEEN RIDGE CAP PIECES AND PRESS FIRMLY TO INSURE GOOD CONTACT BETWEEN PIECES.
 FOR MAXIMUM WIND SPEED COVERAGE UNDER LTD. WARRANTY
 • APPLY A 1/4" (6 MM) WIDE BEAD OF HENKEL PL® URETHANE SEALANT OR SONNENBORN® NP-1™ URETHANE SEALANT TO EACH RIDGE CAP SHINGLE 3/4"-1" (19MM - 25MM) FROM THE SHINGLE EDGE, SET PARALLEL TO THE RIDGE (SEE FIGURE 3).
 NOTE: EXCESSIVE APPLICATION OF TAB ADHESIVE CAN CAUSE BLISTERING OF RIDGE CAP SHINGLE.

- NOTES:
1. STRIP AND DISPOSE ALL ASPHALT SHINGLE ROOFING AND DRIP EDGE.
 2. INSTALL ICE & WATERSHIELD ON ENTIRE ROOF DECK & ALONG EAVES, RAKES AND VALLEYS.
 3. INSTALL DRIFEDGE.
 4. INSTALL ASPHALT SHINGLES.
 5. PROVIDE INSTALLERS & SHINGLE MANUFACTURER WARRANTIES.

ROOF REPLACEMENT BROOKSIDE LEARNING CENTER AND NOTCH VIEW LODGE	DATE: FEB 3, 2015	SCALE: 1/4" = 1'-0"
	PROJECT # CAP-2428	
APPROVED BY:	DRAWN BY: EDWARD MUSSEY	



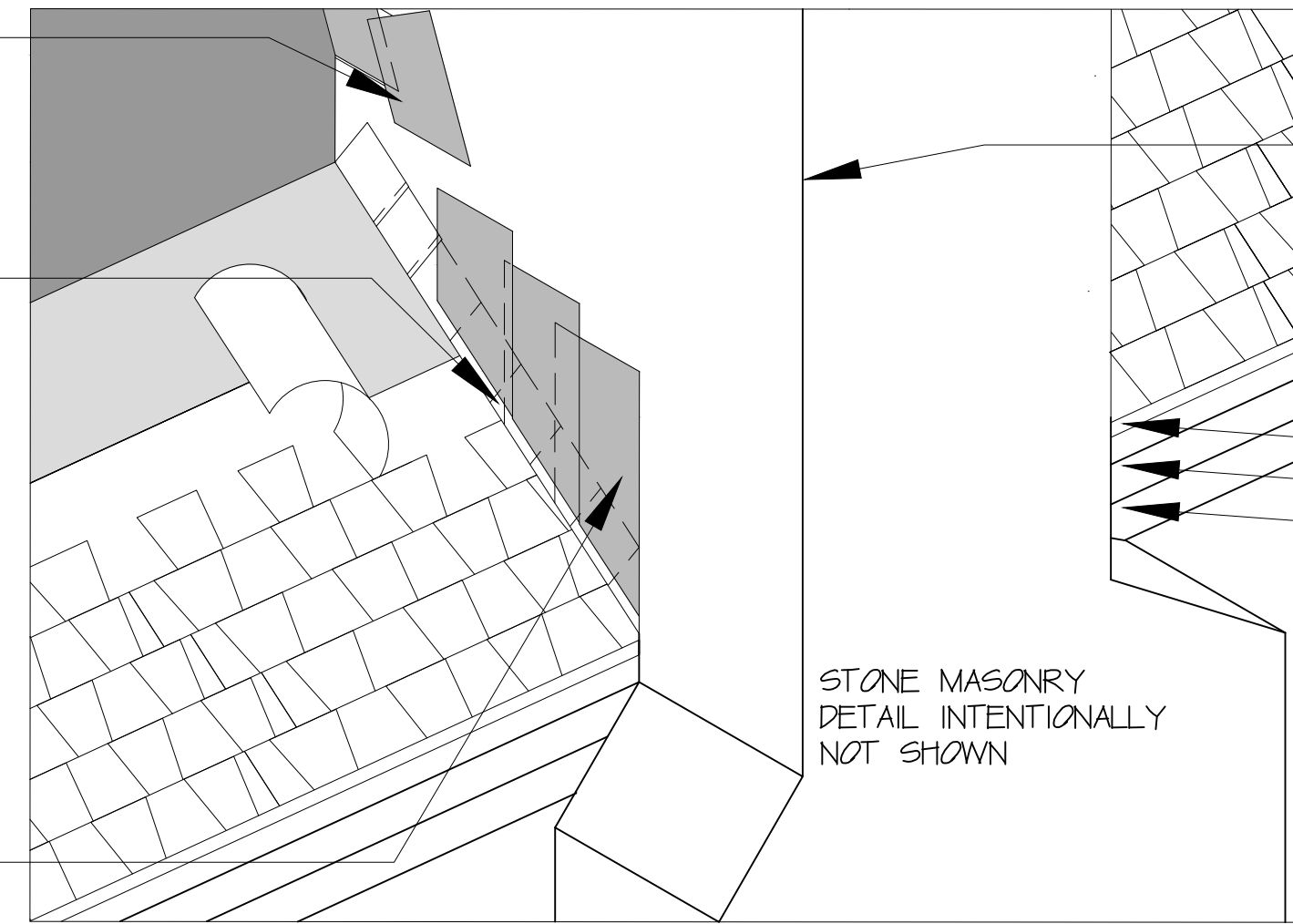
STATE OF NEW HAMPSHIRE
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 FRANCONIA, NEW HAMPSHIRE

EXTEND LEAD COUNTER FLASHING OVER BASE FLASHING.

USE ONE PIECE COPPER STEP FLASHING FOR EACH SHINGLE COURSE. PLACE STEP FLASHING OVER THE SHINGLE AND NAIL EACH STEP FLASHING PIECE TO THE ROOF DECK WITH 2 COPPER NAILS. SEAL THE OVERLYING ASPHALT SHINGLES TO THE STEP FLASHING WITH ASPHALT PLASTIC CEMENT.

DO NOT SAW CUT STONES FOR THE LEAD COUNTER FLASHING INSTALLATION. REUSE THE EXISTING COUNTER FLASHING LOCATIONS ON THE SIDES OF THE CHIMNEY.

EXTEND COPPER FLASHING AND LEAD COUNTER FLASHING AT LEAST 2" BEYOND EVE.



STONE MASONRY CHIMNEY RE-POINT THE STONE MASONRY CHIMNEY FROM THE LOWER CONCRETE BLOCK FOUNDATION UP TO THE CHIMNEY CAP.

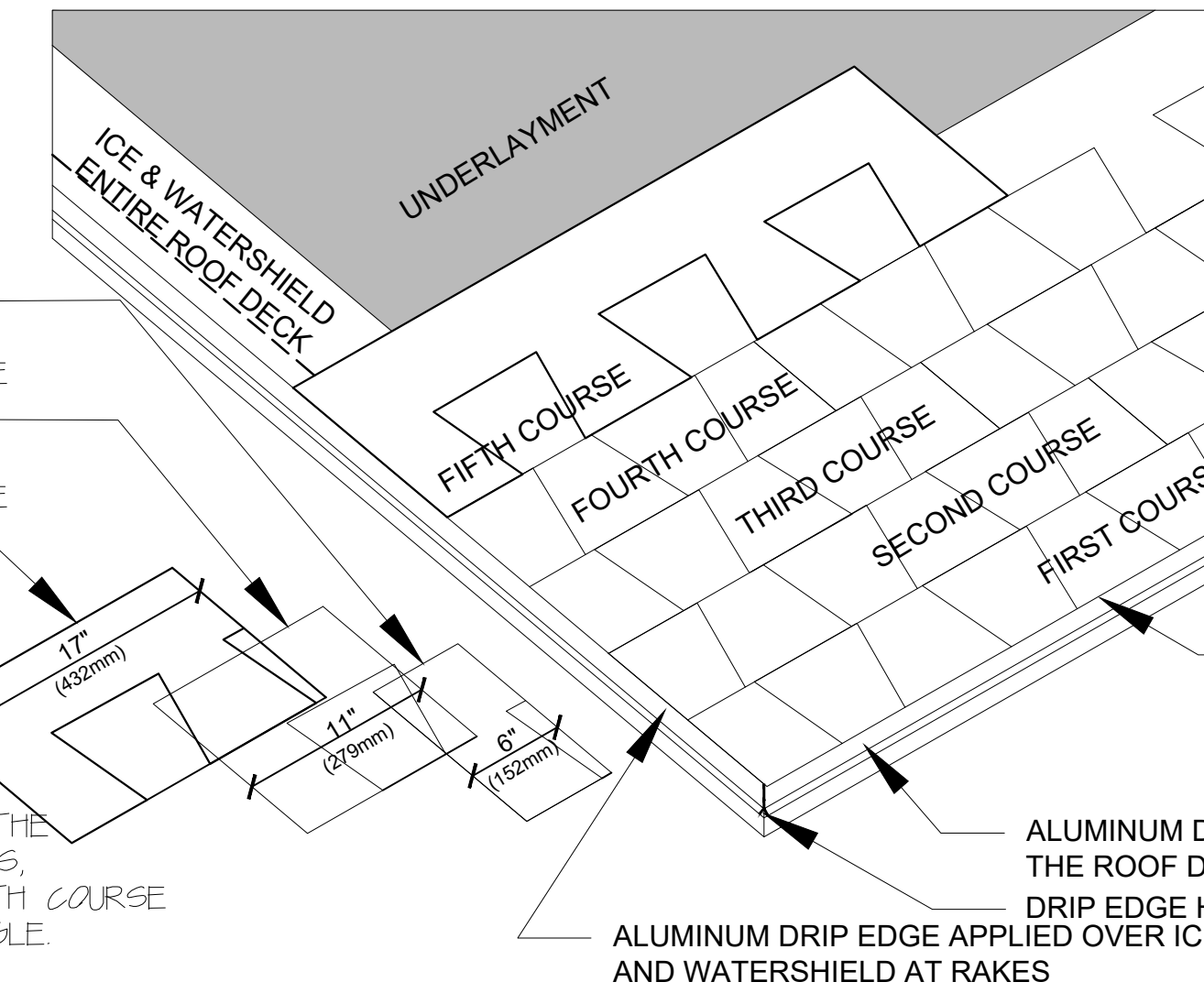
ALUMINUM DRIP EDGE AT EAVES
REPLACE ROTTED 1"x8" FASCIA TRIM BOARDS
REPLACE ROTTED 1"x12" FASCIA BOARDS

NOTE: DO NOT RUN ICE AND WATERSHIELD OR OTHER UNDERLAYMENTS UP THE FACE, SIDEWALLS, OR BACK OF THE CHIMNEYS

STONE MASONRY DETAIL INTENTIONALLY NOT SHOWN

1 NOTCHVIEW LODGE CHIMNEY FLASHING DETAIL
4 NDT TO SCALE

SHINGLE INSTALLATION
START AT EITHER RAKE AND LAY IN EITHER DIRECTION
FIRST COURSE: START WITH FULL SHINGLE
SECOND COURSE: TRIM 6" (152MM) OFF FIRST SHINGLE
THIRD COURSE: TRIM 11" (279MM) OFF FIRST SHINGLE
FOURTH COURSE: TRIM 17" (432MM) OFF FIRST SHINGLE
REMAINING COURSES: REPEAT THE 1ST - 4TH COURSE INSTRUCTIONS ON THE REMAINING COURSES, STARTING THE FIFTH COURSE WITH A FULL SHINGLE.



NOTES:
1. CONTINUE EACH COURSE WITH WHOLE SHINGLES.
2. STRIKE A CHALK LINE ABOUT EVERY 6 COURSES TO CHECK PARALLEL ALIGNMENT WITH EAVES.

PLACE FIRST COURSE OF SHINGLES 1/4" - 3/4" OVER EAVE AND RAKE EDGES, COVERING STARTER COURSE OVERHANG, TO PROVIDE DRIP EDGE.

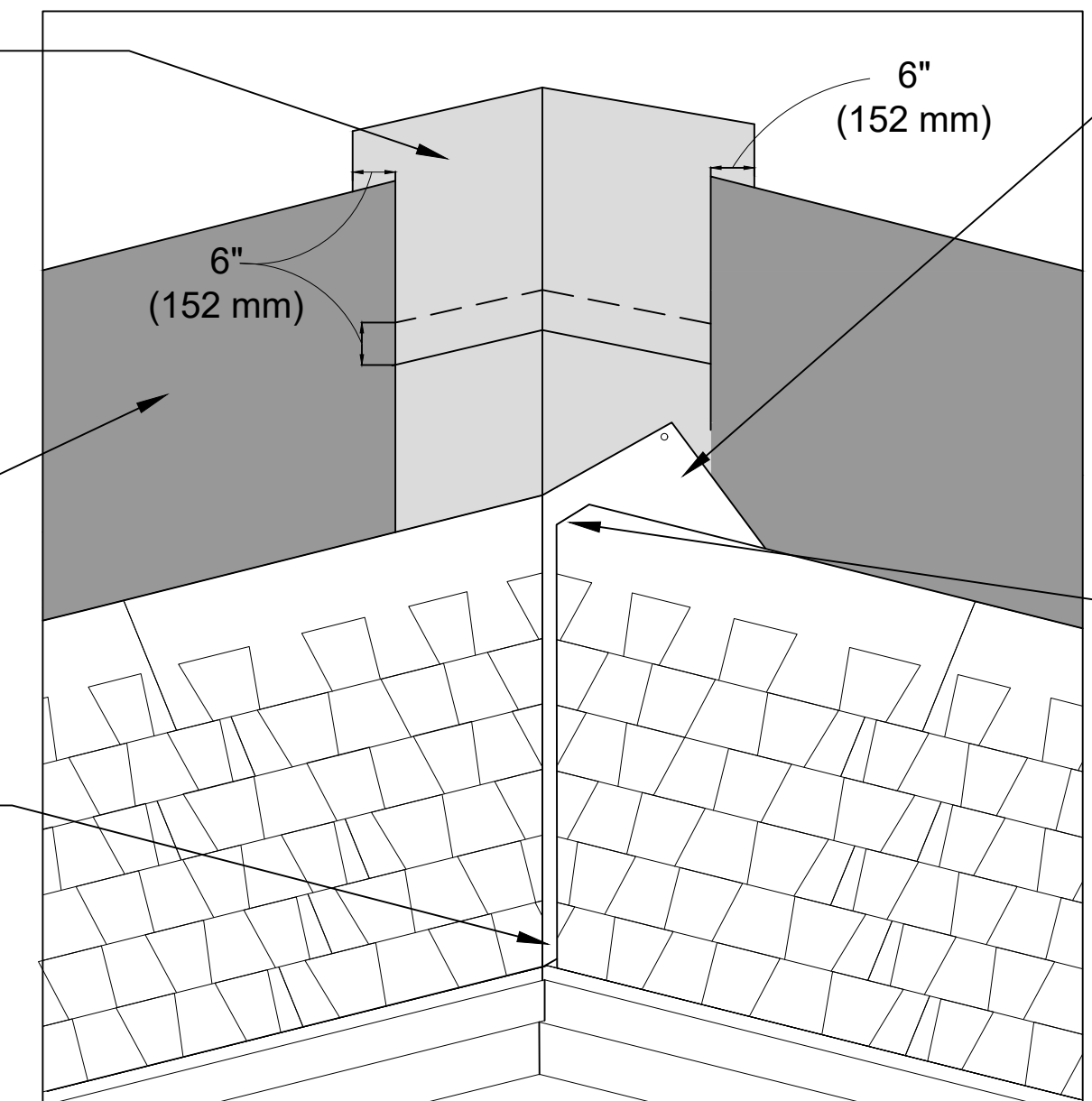
ALUMINUM DRIP EDGE APPLIED DIRECT TO THE ROOF DECK AT EAVES
DRIP EDGE HEM CORNERS AND WATERSHIELD AT RAKES

2 SHINGLE INSTALLATION DETAILS
4 NDT TO SCALE

CENTER FULL WIDTH ROLL OF GAF LEAK BARRIER. DO NOT PLACE FASTENERS WITHIN 6" (152MM) OF CENTER LINE. HORIZONTAL LAPS MUST BE AT LEAST 6" (152MM).

CARRY GAF UNDERLAYMENT AT LEAST 6" (152MM) OVER GAF LEAK BARRIER.

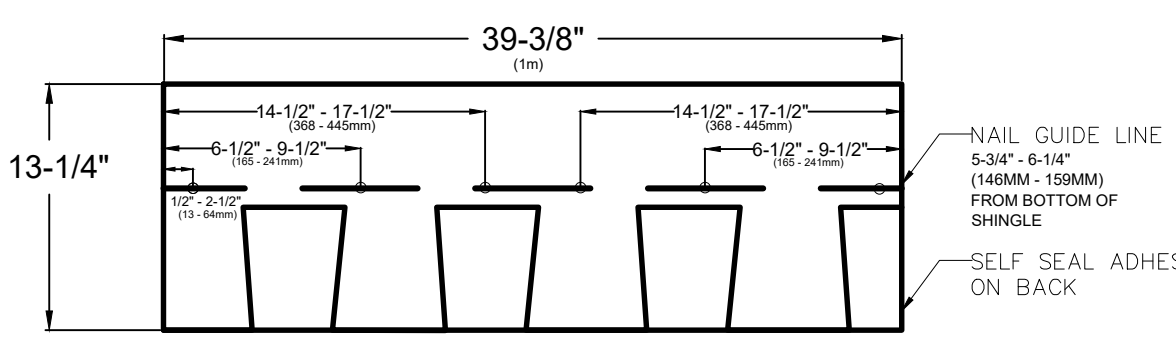
EXTEND STARTER STRIP ACROSS VALLEY AT LEAST 12" (305MM) AND WEAVE WITH OPPOSITE SIDE STARTER STRIP SHINGLE.



EXTEND END OF SHINGLE AT LEAST 12" (305MM) BEYOND VALLEY CENTER LINE. NAIL, PUTTING EXTRA FASTENER IN TOP CORNER OF SHINGLE.

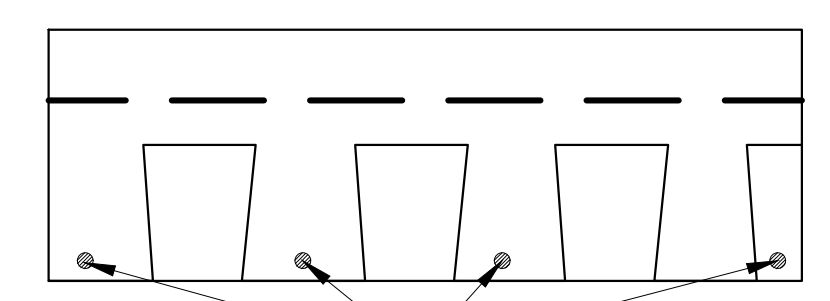
OVERLYING SHINGLES MUST BE CUT SO THEY ARE 2" (52MM) AWAY FROM VALLEY CENTER LINE. CLIP SHINGLE CORNERS 45° TO KEEP WATER FLOW IN THE VALLEY CENTER. SEAL THE VALLEY SHINGLES TO EACH OTHER USING ASPHALT PLASTIC CEMENT.

3 CLOSED VALLEY DETAIL (TYPICAL)
4 NDT TO SCALE



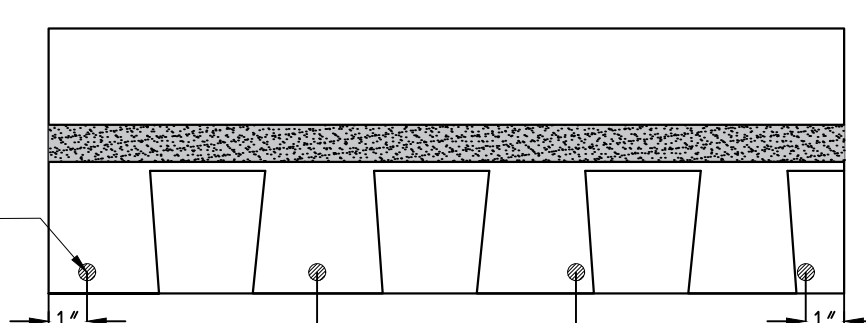
ENHANCED NAILING PATTERN - SIX NAILS PER SHINGLE*
*REQUIRED BY SOME LOCAL CODES AND REQUIRED FOR ENHANCED WIND COVERAGE ON CERTAIN PRODUCTS. SEE LIMITED WARRANTY FOR DETAILS.

5 GAF ENHANCED NAILING PATTERN
4 NDT TO SCALE



Cement locations
(4 quarter-sized dabs of cement on back of shingle)

6 GAF CEMENT LOCATIONS
4 NDT TO SCALE



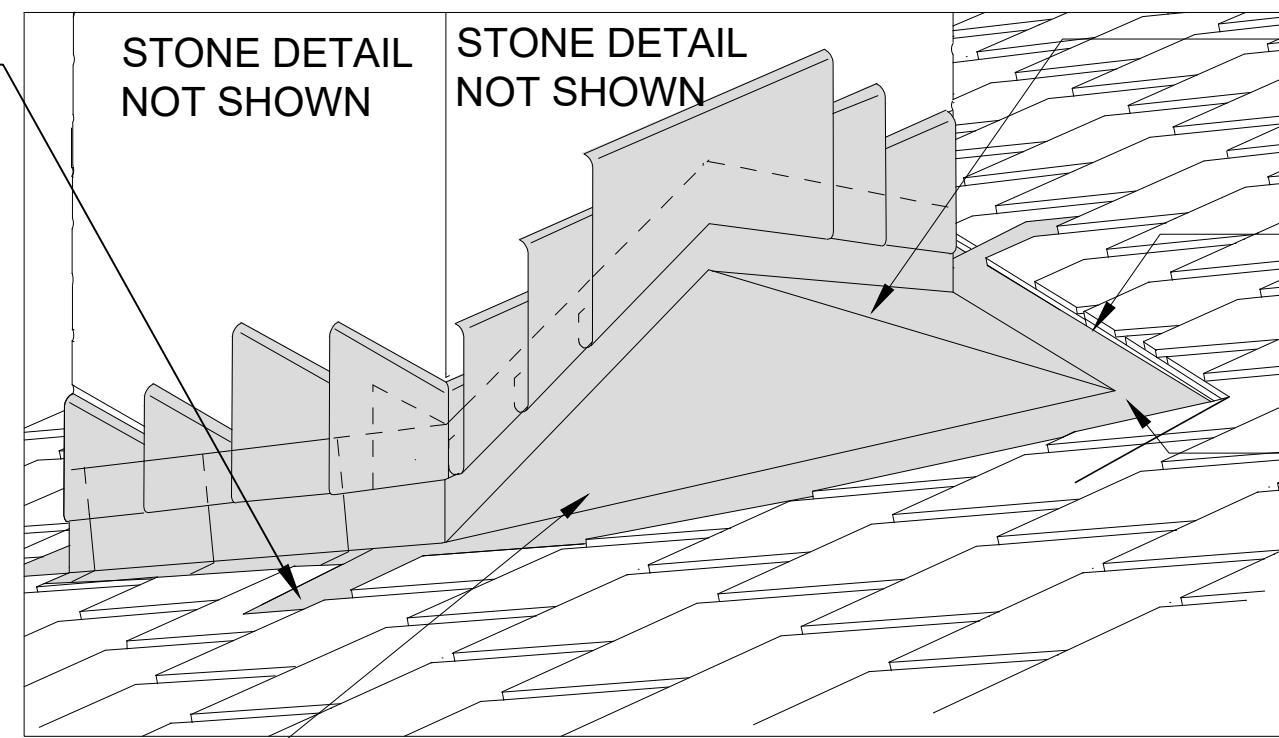
HAND SEALING REQUIRED: TO HAND-SEAL SHINGLES AND TO ENSURE IMMEDIATE SEALING, APPLY 4 QUARTER-SIZED DABS OF SHINGLE TAB ADHESIVE ON THE BACK OF THE SHINGLE 1" (25 MM) AND 13" (330 MM) IN FROM EACH SIDE AND 1" (25 MM) UP FROM BOTTOM OF THE SHINGLE. PRESS SHINGLE FIRMLY INTO THE ADHESIVE.

CAUTION: APPLY ONLY A THIN UNIFORM LAYER OF ASPHALT PLASTIC CEMENT LESS THAN 1/8" (3 MM) THICK. EXCESS AMOUNTS CAN CAUSE BLISTERING OF THE SHINGLES AND MAY SOFTEN THE ASPHALT IN UNDERLAYMENTS AND LEAK BARRIERS, RESULTING IN THE ASPHALT DRIPPING AND STAINING.

7 HAND SEALING DETAIL
4 NDT TO SCALE

SEAL SHINGLES TO COPPER FLANGE WITH ASPHALT PLASTIC CEMENT.

CRICKETS SHOULD EXTEND AT LEAST 6" UP THE BACK OF THE CHIMNEY AND EXTEND AT LEAST 18" UP THE ROOF DECK.



CRICKET RIDGE SHOULD BE AT LEAST 36"

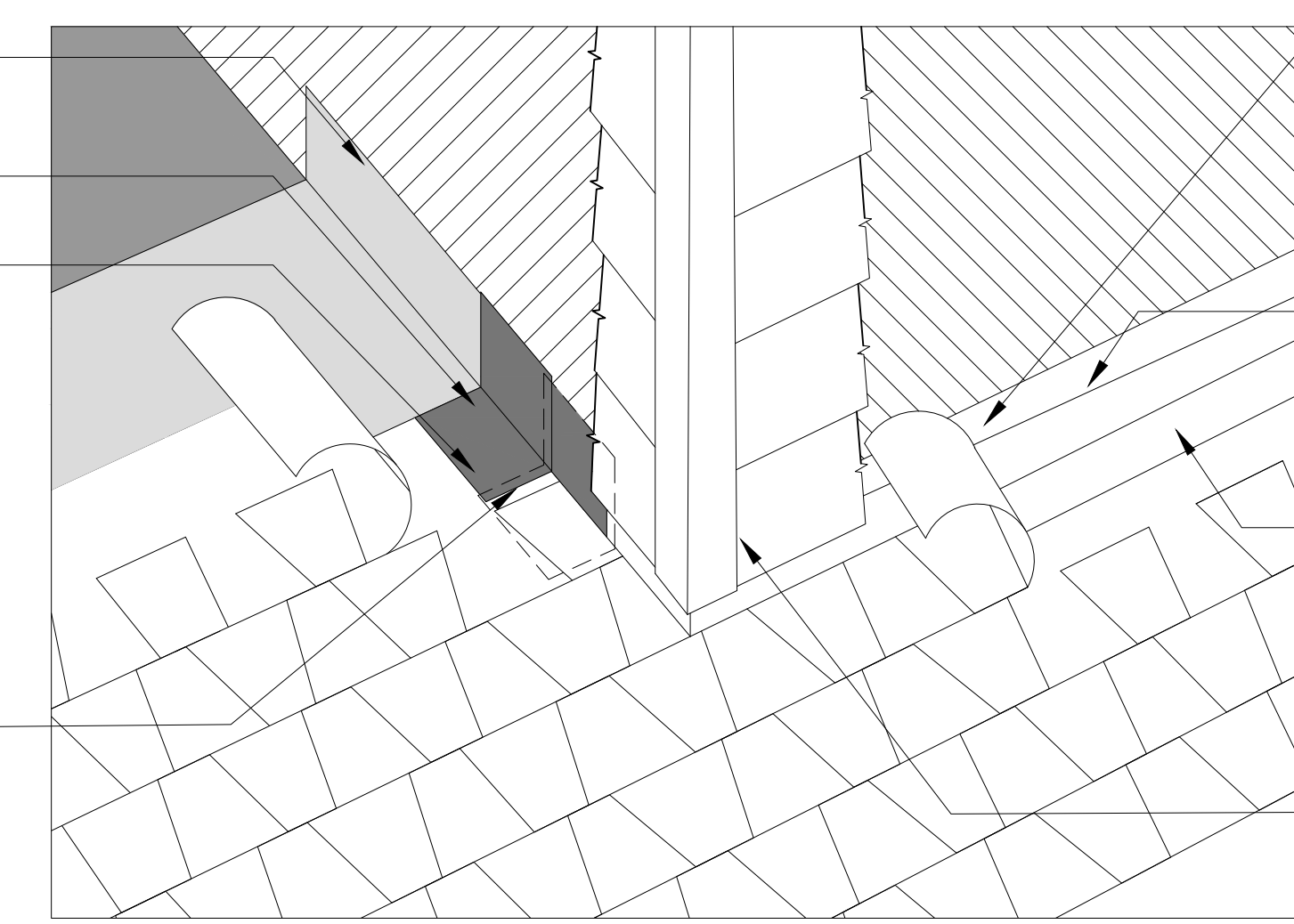
CRICKET FLANGE SHOULD BE AT LEAST 18" UP ROOF DECK.

DO NOT NAIL SHINGLES WITHIN 12" OF THE OUTER EDGE OF THE DECK FLANGE.

4 NOTCHVIEW LODGE CRICKET DETAIL
4 NDT TO SCALE

EXTEND GAF LEAK BARRIER AT LEAST 5" (127MM) UP WALL.
2 NAILS PER STEP FLASHING
PLACE METAL STEP FLASHING JUST UPSLOPE FROM EXPOSED EDGE OF SHINGLE AND EXTEND 5" (127MM) OVER UNDERLYING SHINGLE AND 5" (127MM) UP THE VERTICAL WALL.

STEP FLASHING PIECES OVERLAP EACH OTHER 2" (51MM)



COVER METAL FLASHING WITH CUT SHINGLE. DO NOT NAIL SHINGLE. INSTALL WITH ASPHALTIC PLASTIC CEMENT.

EXTEND GAF LEAK BARRIER AT LEAST 5" (127MM) UP WALL

METAL FLASHING (NAILED TO THE DECK, NOT TO THE VERTICAL WALL) EXTEND UP WALL AT LEAST 5" (127MM)

SIDING/CLADDING MUST BE AT LEAST 2" (51MM) ABOVE THE ROOF SURFACE AND COVERING FLASHING AT LEAST 2" (51MM).

8 WALL FLASHING DETAIL (TYPICAL)
4 NDT TO SCALE

NOTES:
1. STRIP AND DISPOSE ALL ASPHALT SHINGLE ROOFING AND DRIP EDGE.
2. INSTALL ICE & WATERSHIELD ON ENTIRE ROOF DECK & ALONG EAVES, RAKES AND VALLEYS.
3. INSTALL DRIPEDGE.
4. INSTALL ASPHALT SHINGLES.
5. PROVIDE INSTALLERS & SHINGLE MANUFACTURER WARRANTIES.

PROJECT #	CAP-2428
DATE:	FEB 3, 2025
APPROVED BY:	EDWARD MUSSEY
SCALE:	1/4" = 1'-0"



STATE OF NEW HAMPSHIRE
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