

SHINGLE INSTALLATION
Start at either rake and lay in either direction

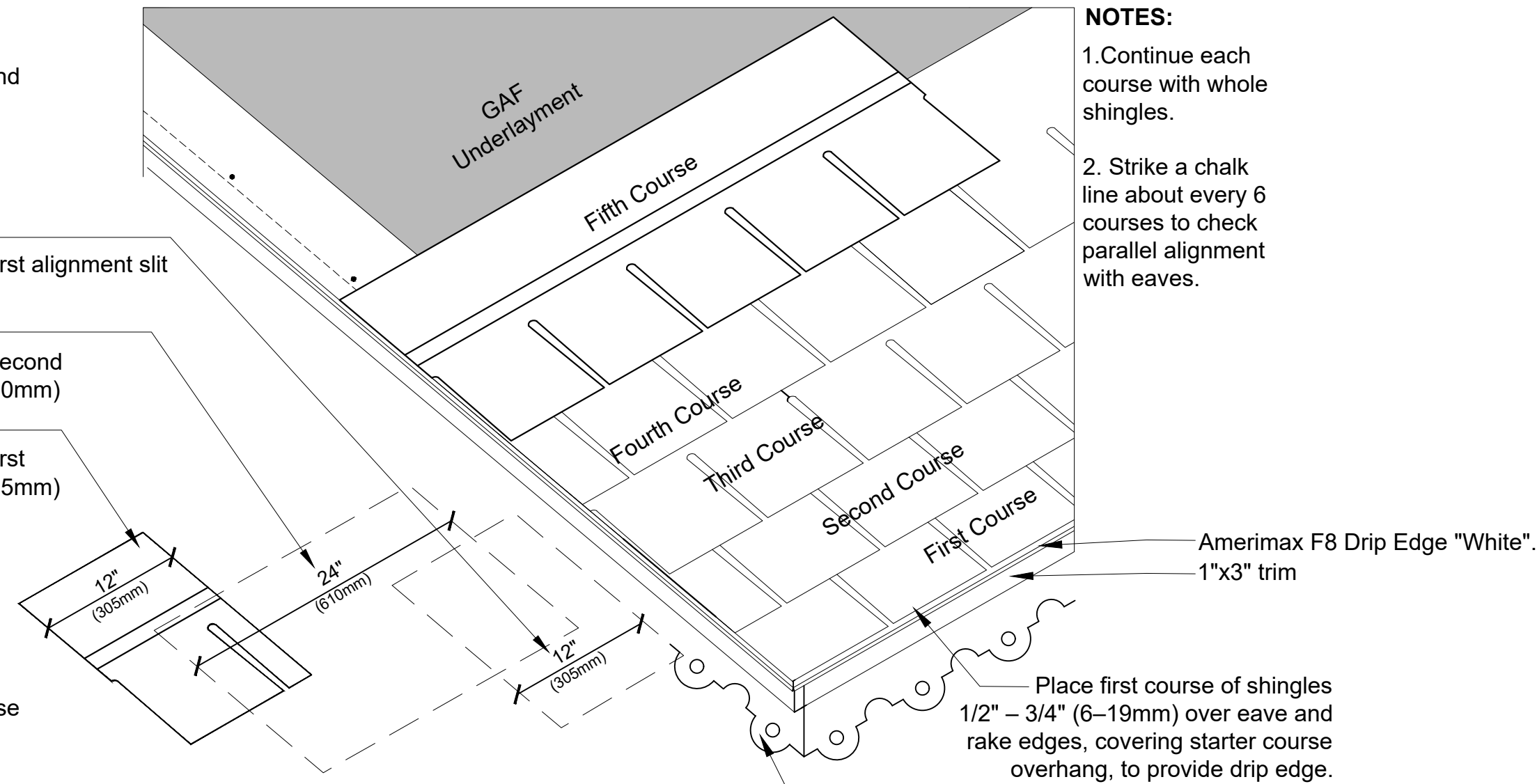
First Course:
Start with full shingle

Second Course:
Trim first shingle at first alignment slit 12" (305mm)

Third Course:
Trim first shingle at second alignment slit 24" (610mm)

Fourth Course:
Trim first shingle at first alignment slit 12" (305mm)

Remaining Courses:
Repeat the 1st - 4th course instructions on the remaining courses, starting the fifth course with a full shingle.



1
2 **GAF SLATLINE SHINGLE INSTALLATION DETAILS**
NDT TO SCALE

NOTES:

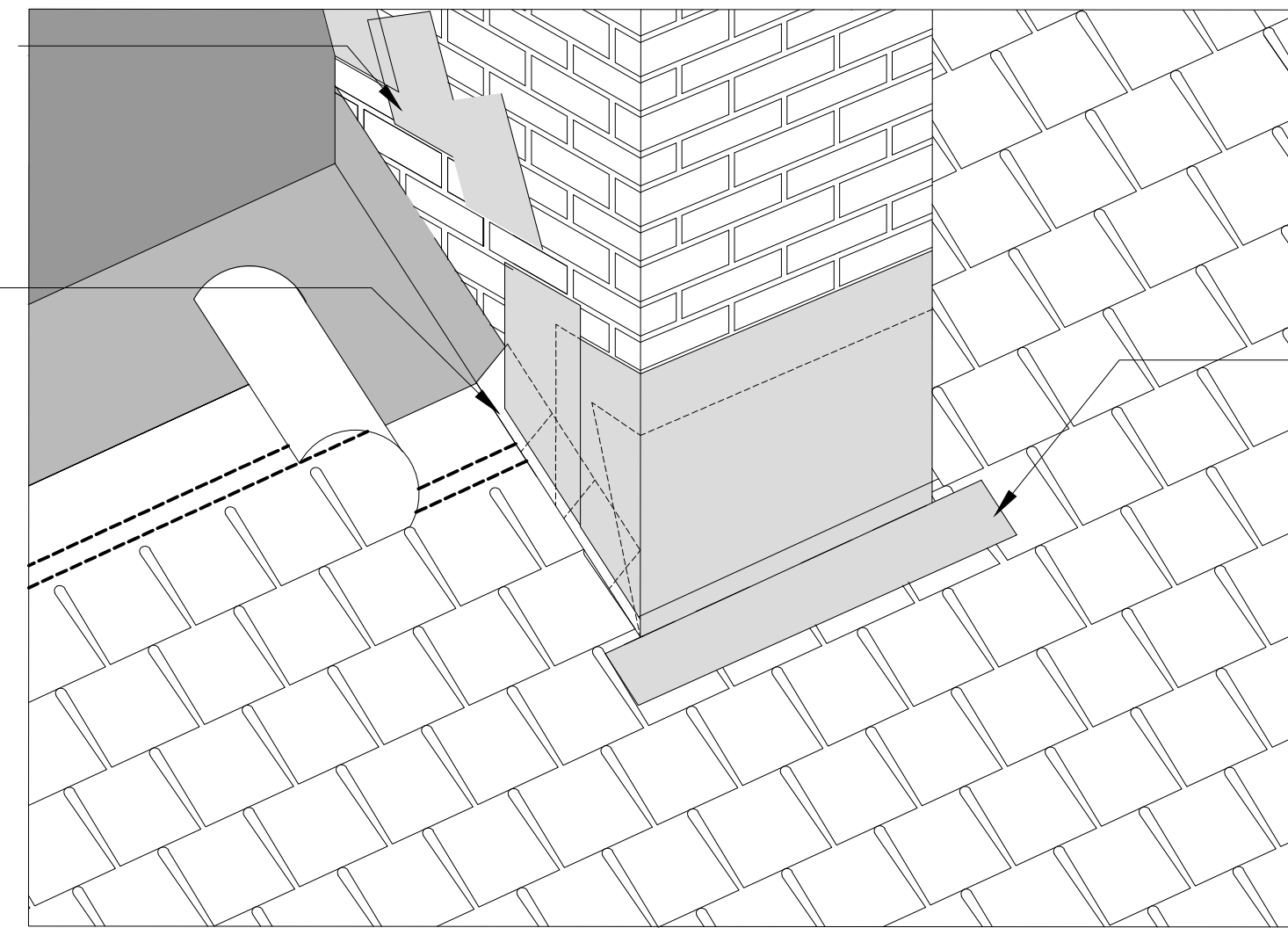
1. Continue each course with whole shingles.
2. Strike a chalk line about every 6 courses to check parallel alignment with eaves.

Place first course of shingles 1/2" - 3/4" (6-19mm) over eave and rake edges, covering starter course overhang, to provide drip edge.

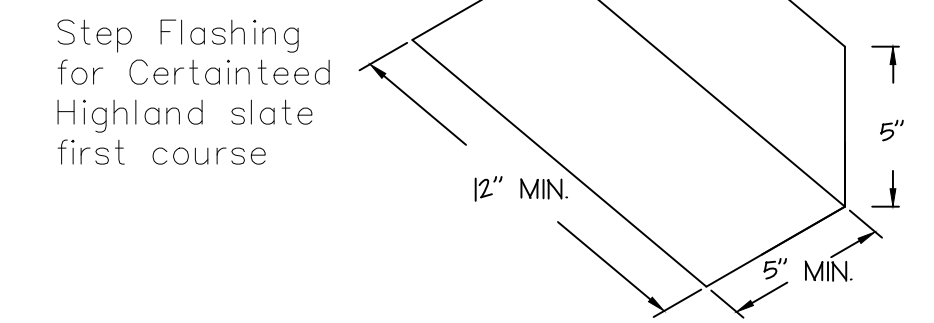
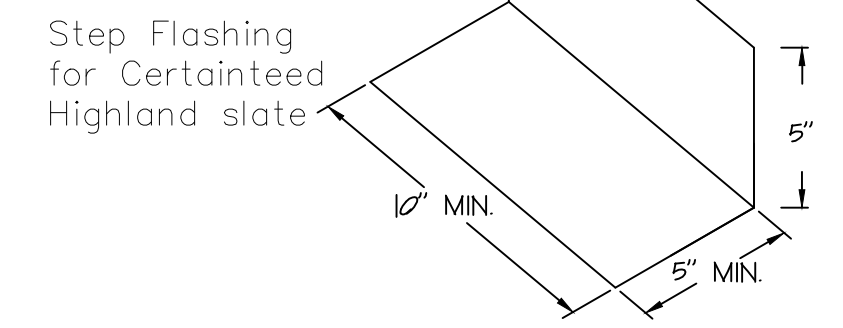
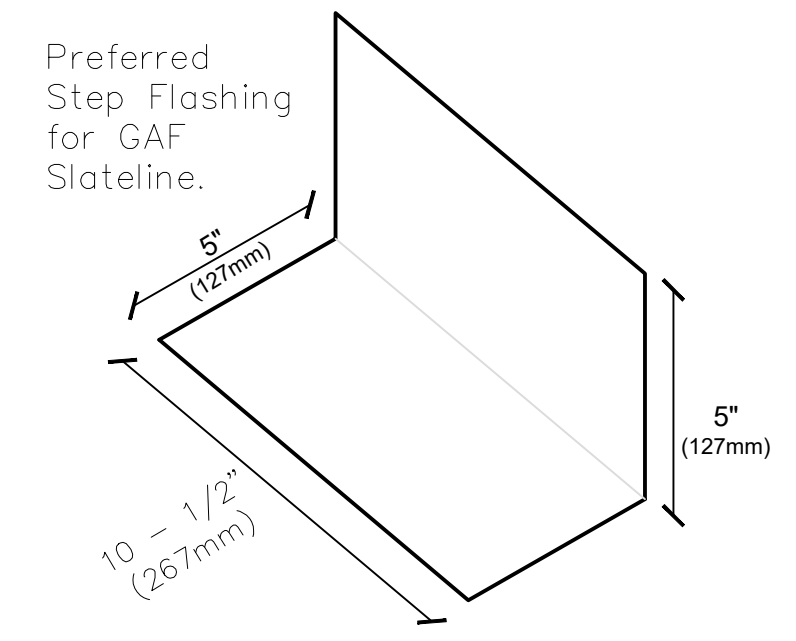
Replace missing Ornamental trim, paint to match existing.

Extend lead counter flashing over base flashing.

Use one piece metal non-corroding step flashing for each course. Seal overlying shingles to step flashing with asphalt plastic cement.



2
2 **CHIMNEY FLASHING DETAIL**
NDT TO SCALE



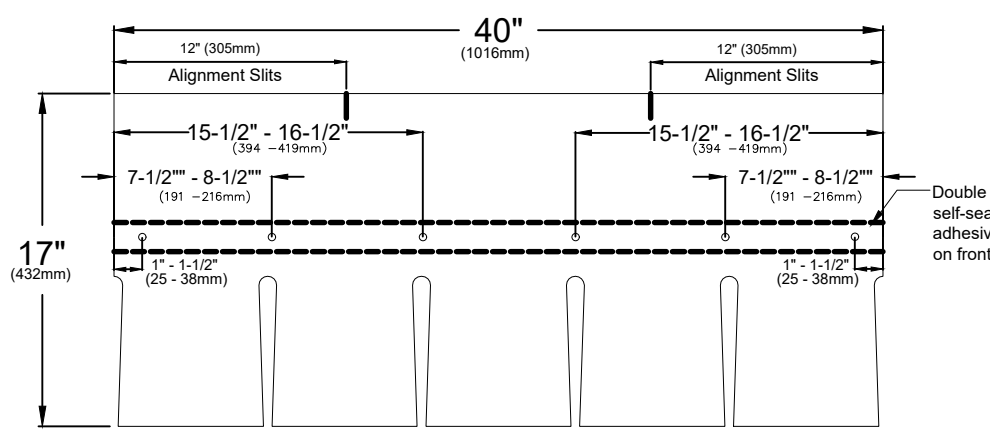
- NOTES:**
1. STRIP OF THE EXISTING ASPHALT SHINGLE ROOF AND UNDERLAYMENTS
 2. STRIP OFF ALL SHEATHING BOARDS
 3. INSTALL 2X4 SISTERED RAFTERS
 4. INSTALL 5/8" RTD SHEATHING
 5. INSTALL ALUMINUM DRIP EDGE
 6. INSTALL ICE & WATERSHIELD
 7. INSTALL ROOF UNDERLAYMENT
 8. INSTALL ASPHALT SHINGLES
 9. REPOINT THE CHIMNEY.
 10. PROVIDE REQUIRED WARRANTIES.

ASPHALT SHINGLE ROOF REPLACEMENT FERNALD STATION COTTON VALLEY RAIL TRAIL	DATE: JAN 24, 2022	
	PROJECT # CAP-2143	SCALE NA
APPROVED BY:	EDWARD MUSSEY	



STATE OF NEW HAMPSHIRE
DEPARTMENT OF NATURAL AND CULTURAL RESOURCES
OPERATIONS PLANNING & PROJECT MANAGEMENT
COTTON VALLEY RAIL TRAIL
WOLFEBORO, NEW HAMPSHIRE

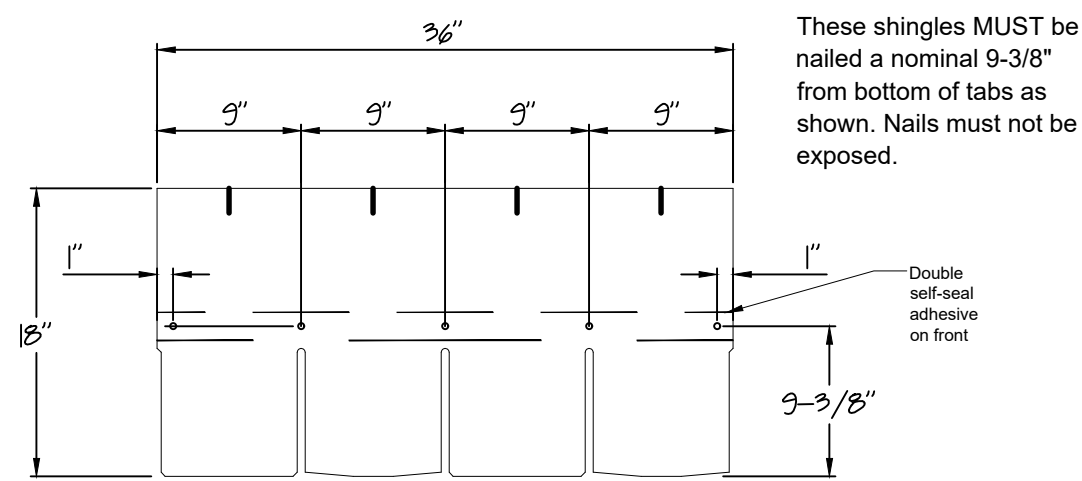
These shingles MUST be nailed a nominal 9" (229mm) from bottom of tabs as shown. Nails must not be exposed.



STANDARD NAILING PATTERN - six nails per shingle

NAILS PENETRATIONS SHALL NOT BE VISIBLE FROM THE EXTERIOR OF THE BUILDING AT THE GABLE ENDS AND EAVES.

3
2 **GAF SLATLINE STANDARD NAILING PATTERN**
NDT TO SCALE



STANDARD NAILING PATTERN - five nails per shingle

NAILS PENETRATIONS SHALL NOT BE VISIBLE FROM THE EXTERIOR OF THE BUILDING AT THE GABLE ENDS AND EAVES.

4
2 **CERTAINTEED HIGHLAND SLATE STANDARD NAILING PATTERN**
NDT TO SCALE



5
2 **FERNALD STATION ROUTE 109 WOLFEBORO, NH**
NDT TO SCALE