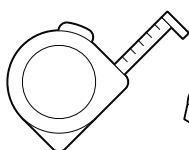


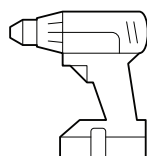
SNIPS



RULER



SAFETY SHOES



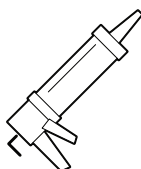
SCREW GUN



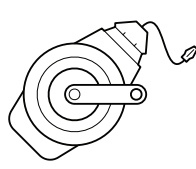
**SAND
BLASTER GUN**



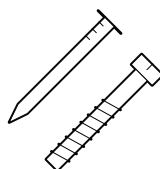
**SOAPSTONE
PENCIL**



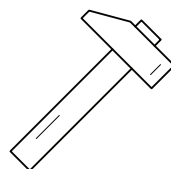
SEALANT



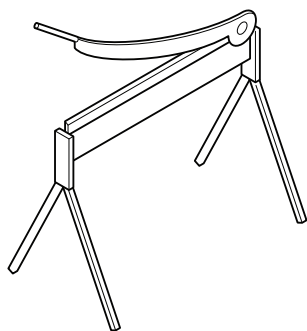
**CHALK LINE
TOOL**



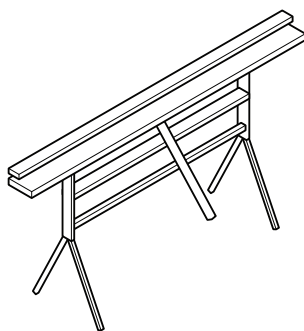
NAILS, SCREWS



HAMMER



CUTTER

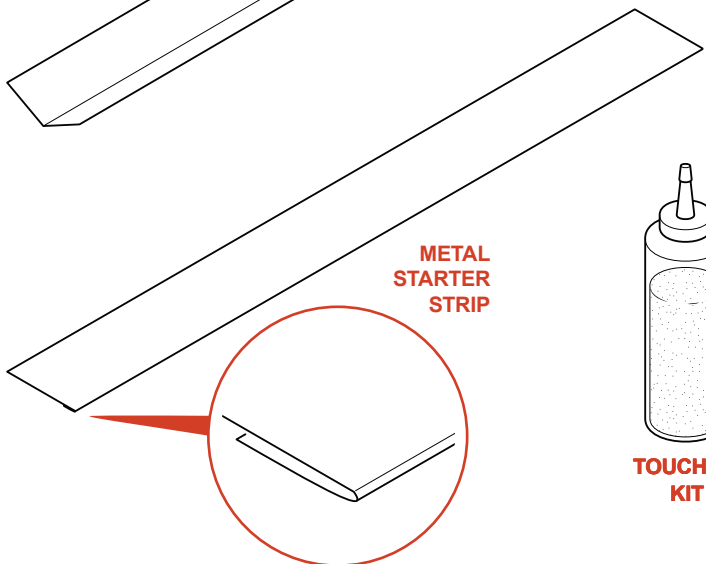
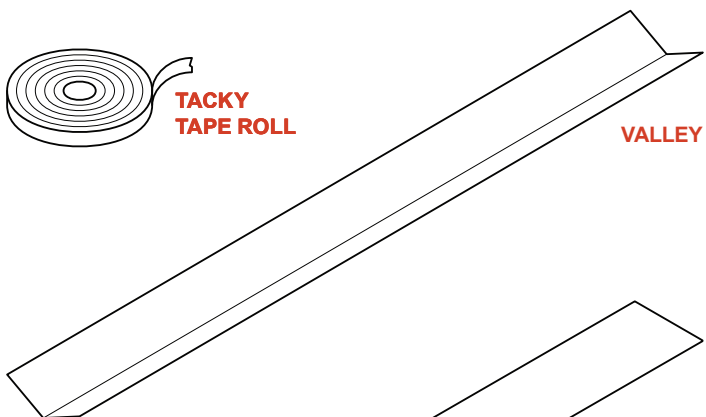
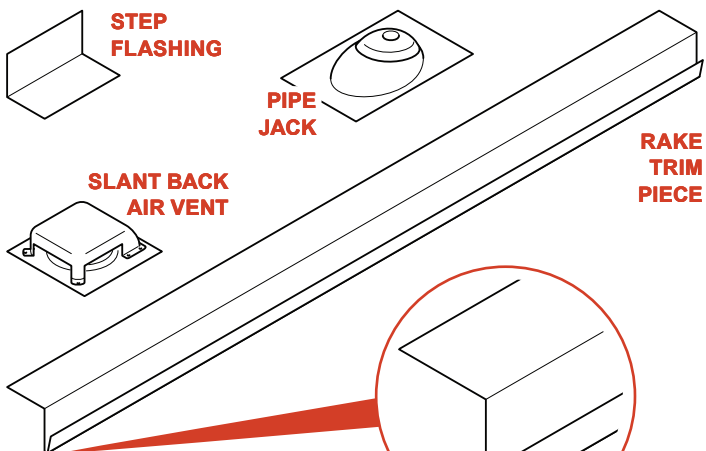


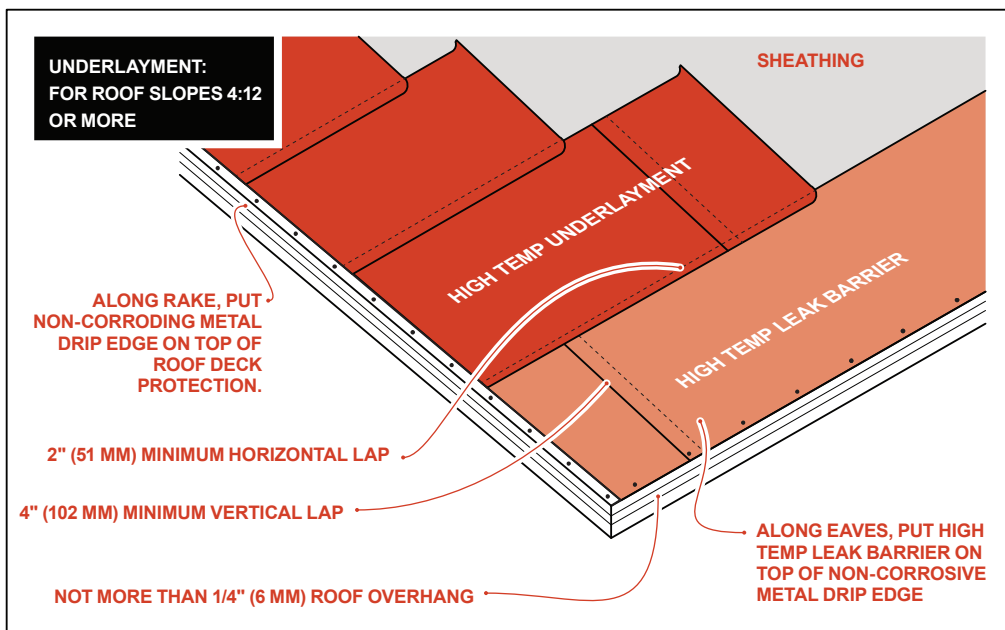
BENDER

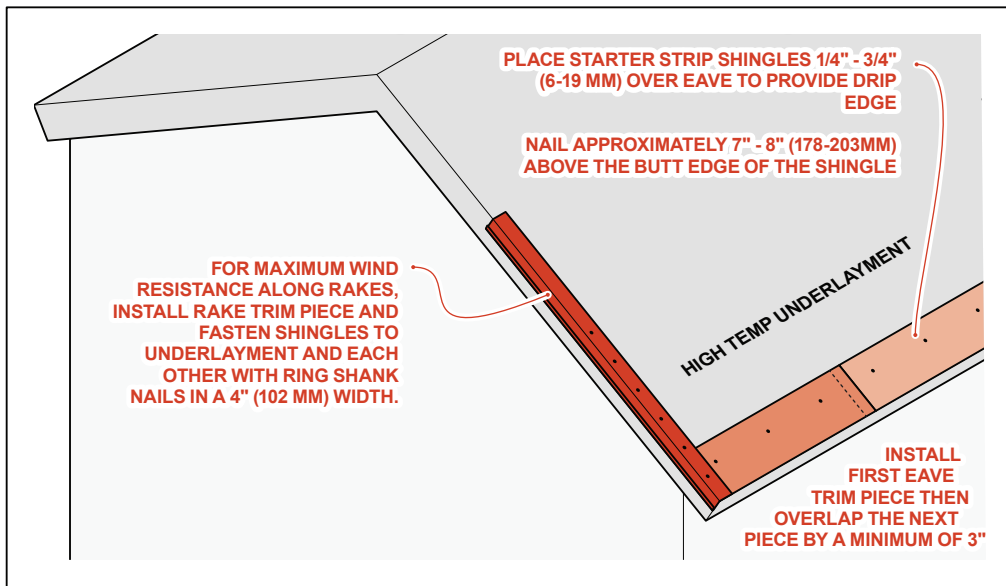


**DO NOT USE
ELECTRIC CUTTER!**

**INSTALLERS ARE REMINDED TO WEAR THE PROPER
GEAR WHEN HANDLING OBJECTS WITH SHARP EDGES**



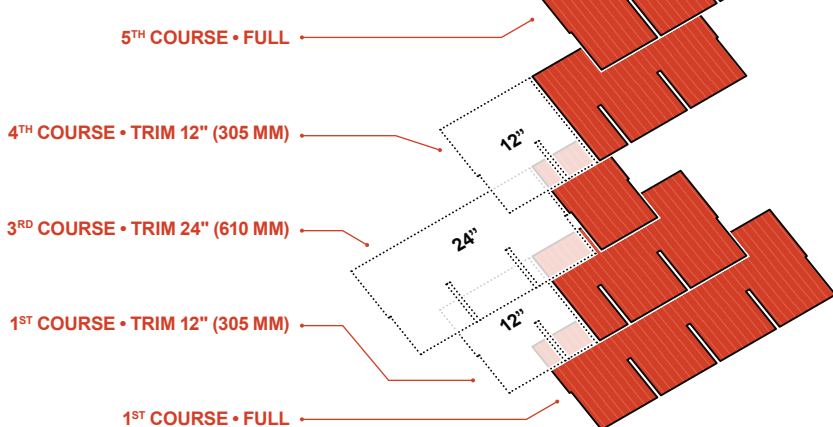




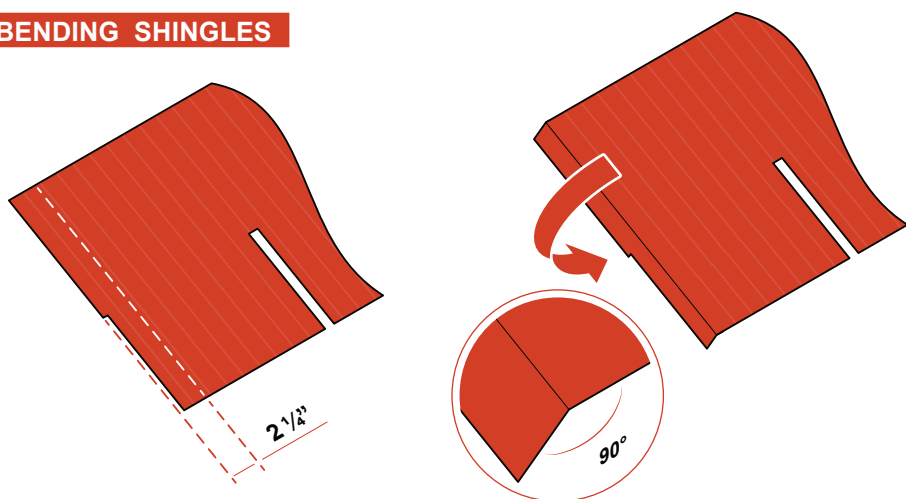
TRIMMING SHINGLES

FOR SUBSEQUENT COURSES:

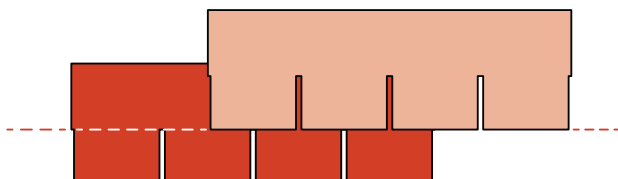
- FOURTH COURSE, TRIM 12" (305 MM) FROM RAKE EDGE.
- FIFTH AND SUBSEQUENT COURSES REPEAT 1ST THRU 4TH COURSES,
- STARTING THE FIFTH COURSE WITH A FULL SHINGLE.

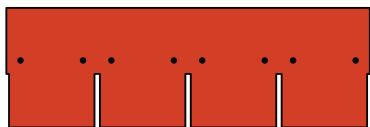


BENDING SHINGLES

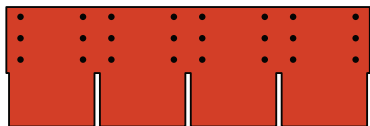


THE NEXT SHINGLE STARTS
AT THE TOP OF THE KEYWAY





STANDARD NAILING ASSEMBLY
HOT DIPPED RING SHANK COIL NAILS OR BURCO RING SHANK NAILS

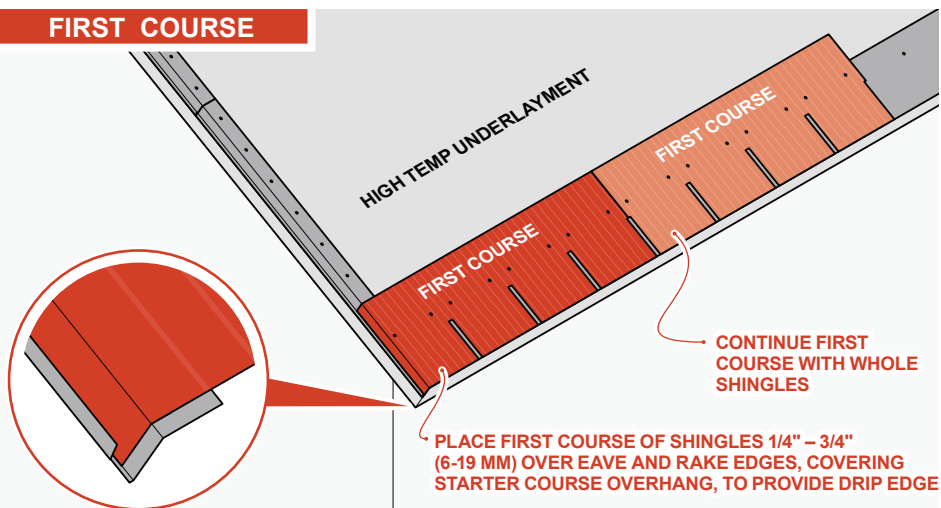


EXTREME HIGH WINDS NAILING ASSEMBLY
HOT DIPPED RING SHANK COIL NAILS OR BURCO RING SHANK NAILS

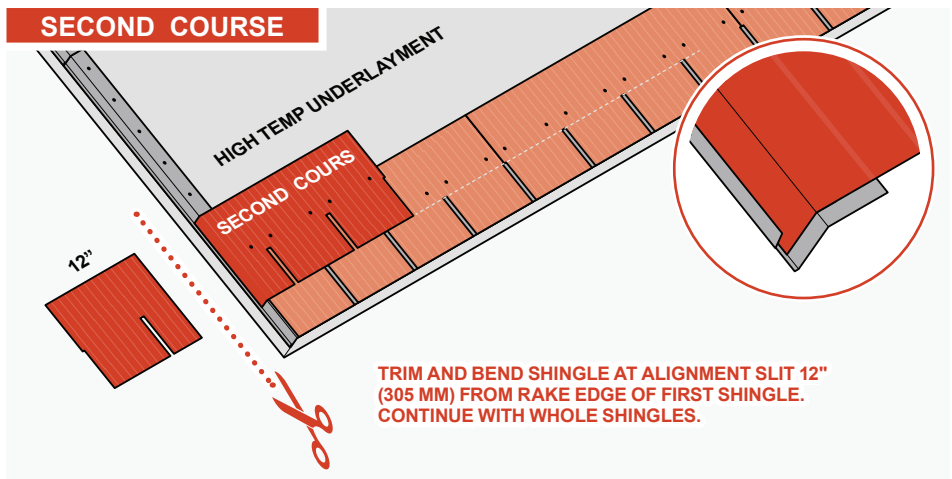


PRESS DOWN ON THE METAL PANEL BEFORE NAILING

FIRST COURSE



SECOND COURSE



THIRD COURSE

HIGH TEMP
UNDERLAYMENT

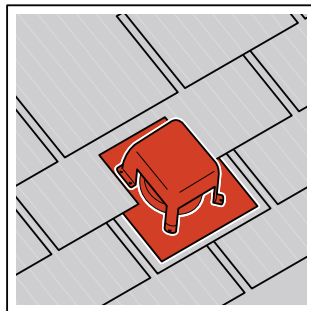
24"

THIRD COURSE

TRIM 24" (610 MM) AND BEND RAKE END
OF THIRD COURSE.
CONTINUE WITH WHOLE SHINGLES.

VENTILATION

Install ventilation products for optimal shingle life. See General Instructions and the "Through Ventilation" section. Follow the application instructions for the selected ventilation products.

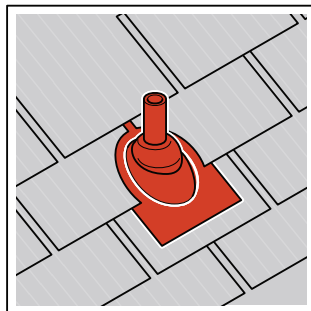


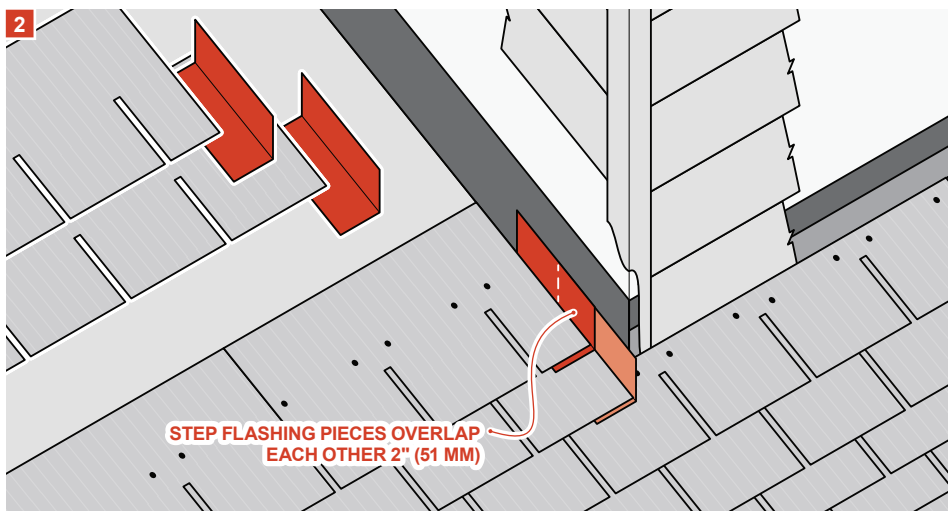
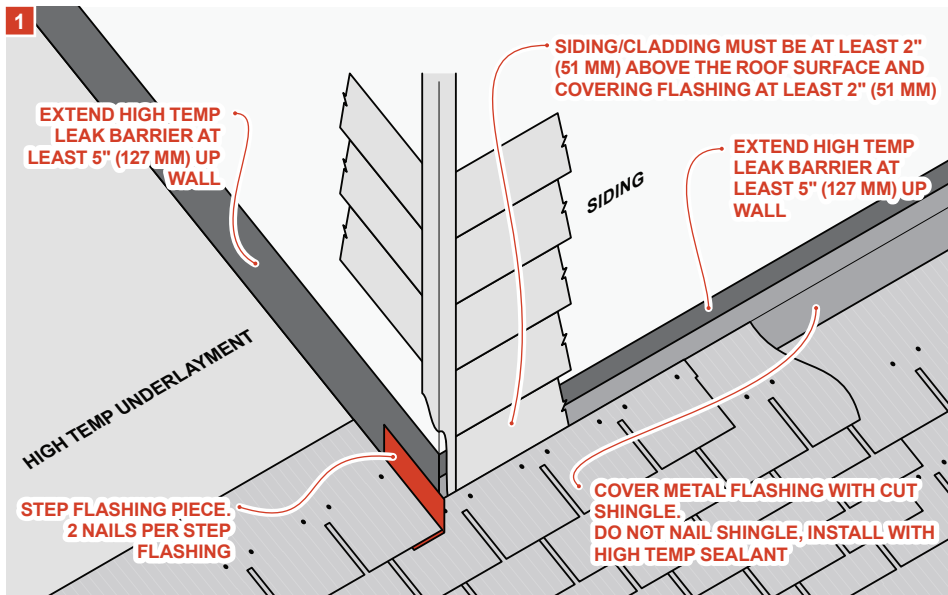
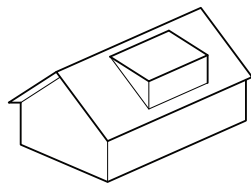
PIPE JACK

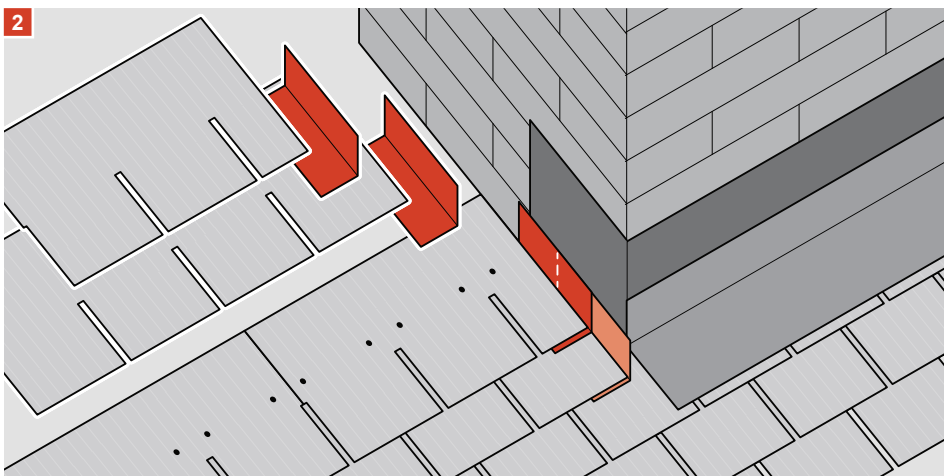
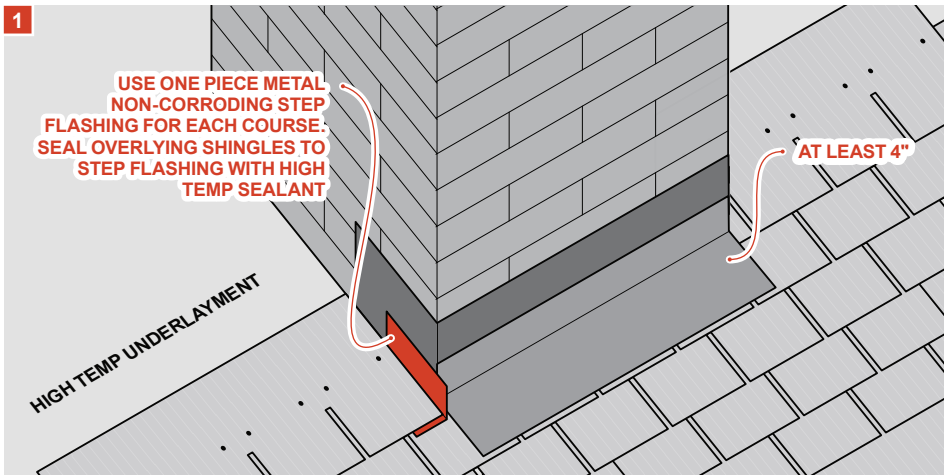
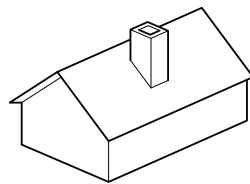


Lead pipe jacks can react with Galvalume metal, leading to galvanic corrosion

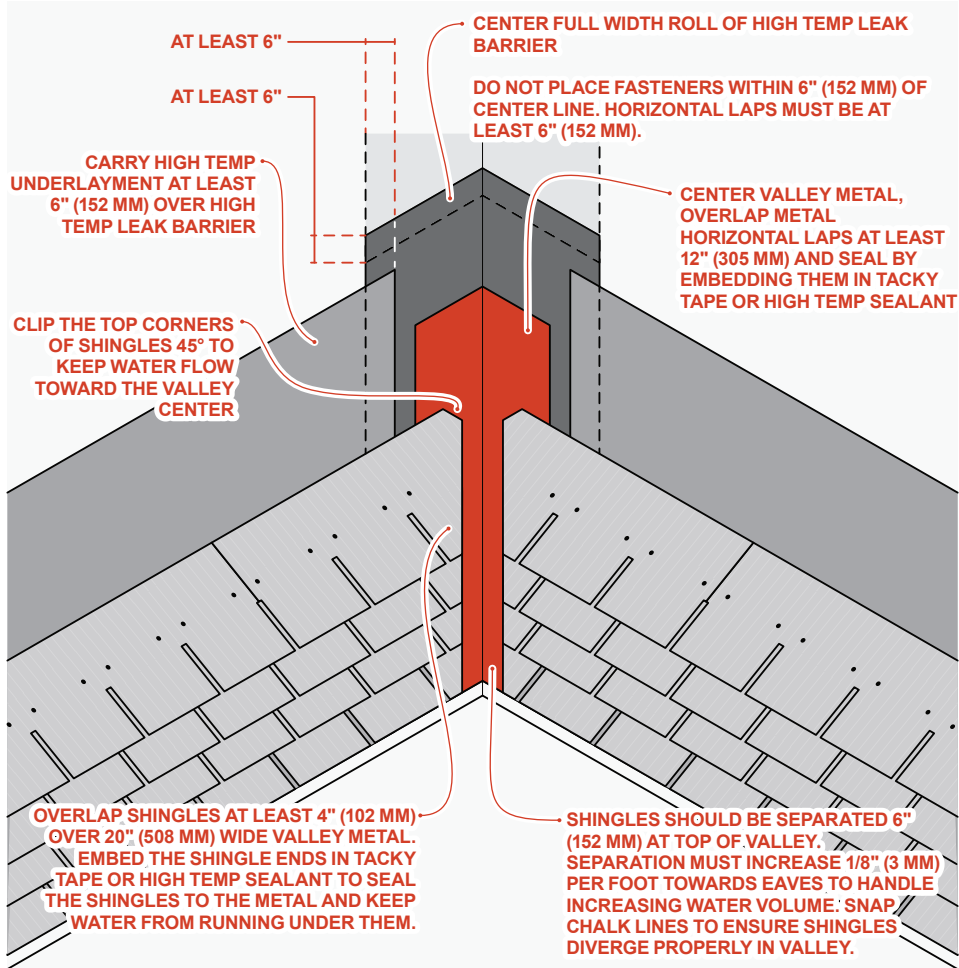
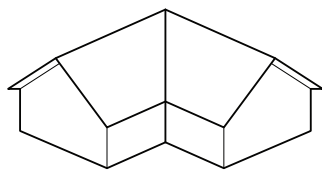
CAUTION: High temp underlayment is a requirement*

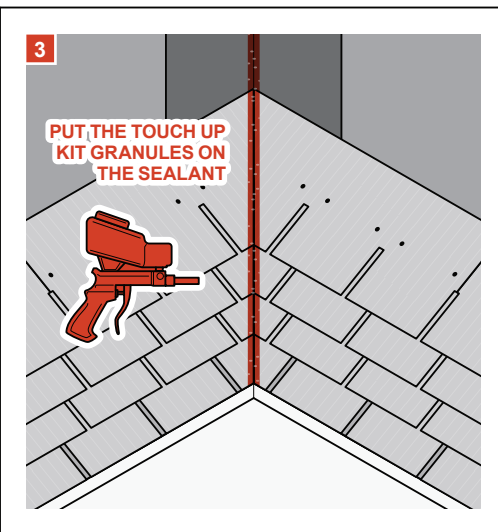
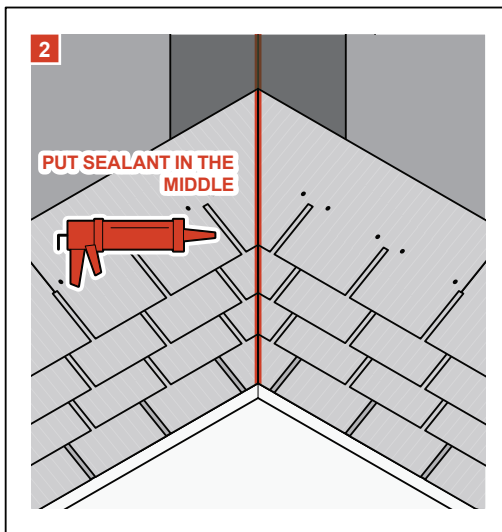
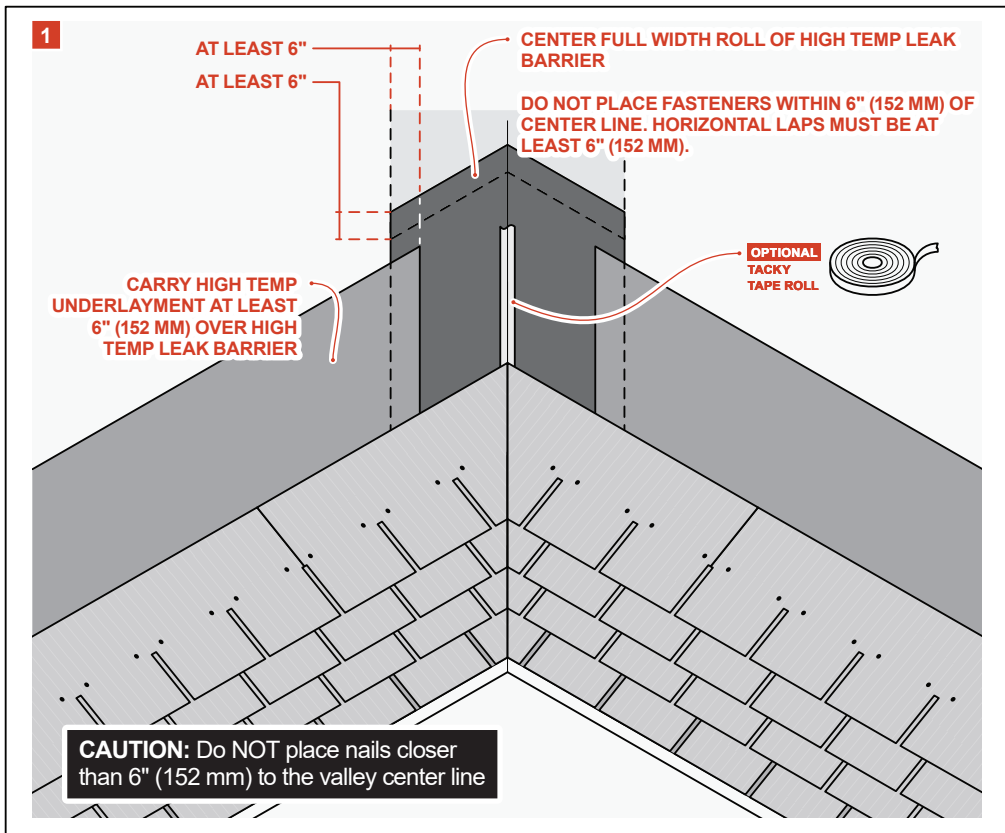






Use minimum 20" (508 mm) wide aluminum, galvanized steel, or other non-corroding, non-staining metals (28 gauge minimum). Long valleys or local building codes may require wider metal. Nail the metal on the edges so the nail heads hold it in place. Do not puncture the metal. Nailing through the metal may cause leaking and buckling due to movement.





Make the ridge cap by cutting the shingle

