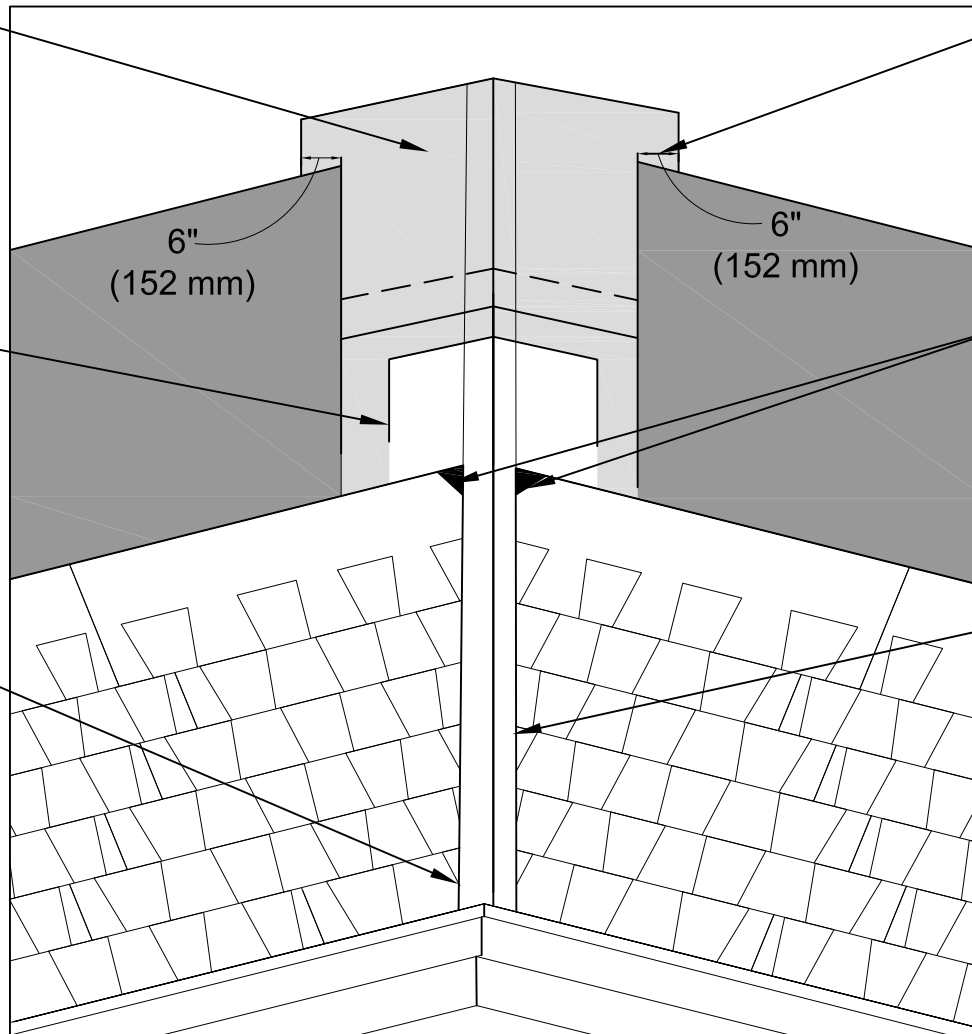


Center full width roll of GAF leak barrier. Do not place fasteners within 6" (152mm) of center line. Horizontal laps 6" (152mm) min.

Center valley metal, overlap metal horizontal laps a minimum 12" (305mm) and seal by embedding them in asphalt plastic cement.

Shingles should be separated 6" (152mm) at top of valley. Separation must increase 1/8" (3mm) per foot towards eaves to handle increasing water volume. Snap chalk lines to ensure shingles diverge properly in valley.



Carry GAF underlayment at least 6" (152mm) over GAF leak barrier.

Clip the top corners of shingles 45° to keep water flow toward the valley center.

Overlap shingles at least 4" (102mm) over 20" (508mm) wide valley metal. Embed the shingle ends in asphalt plastic cement to seal the shingles to the metal and keep water from running under them.



1361 Alps Rd.  
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BRAND SERIES

**TIMBERLINE  
SERIES**  
Lifetime Shingles

REVISION DATE

1-01-12

SCALE

N.T.S

## OPEN VALLEY DETAIL

DETAIL NUMBER

**09**

DETAIL REFERENCE

**SS-TS**