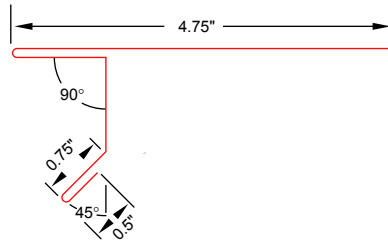


STARTER

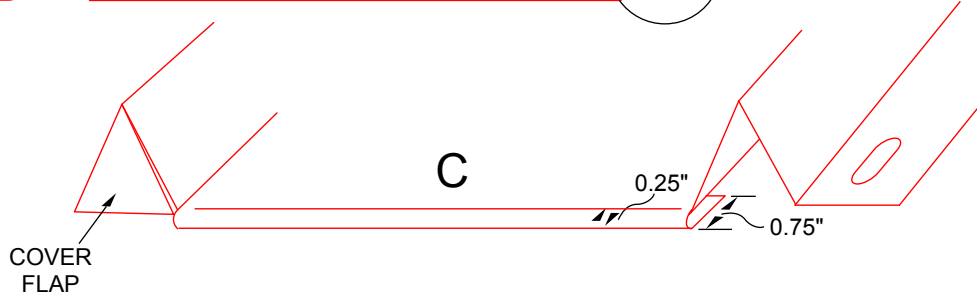
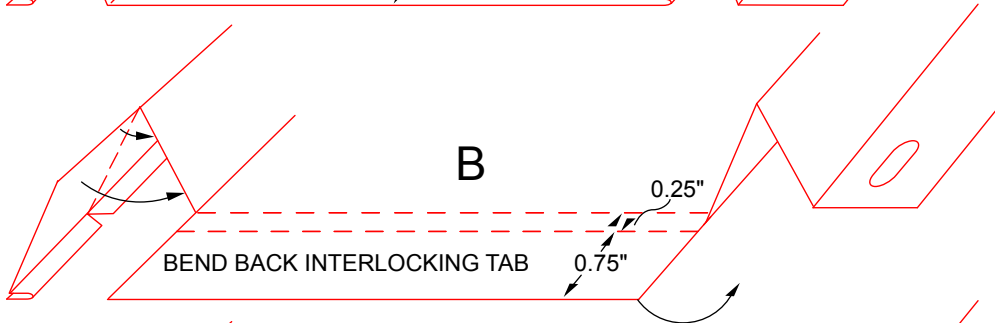
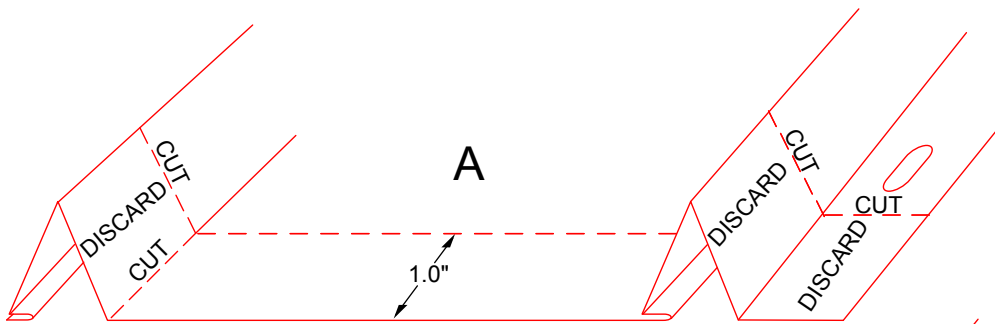
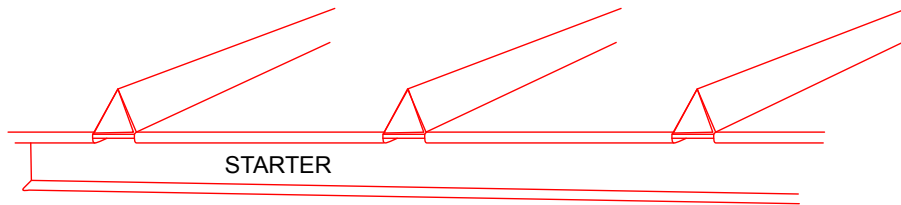


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STARTER DETAIL

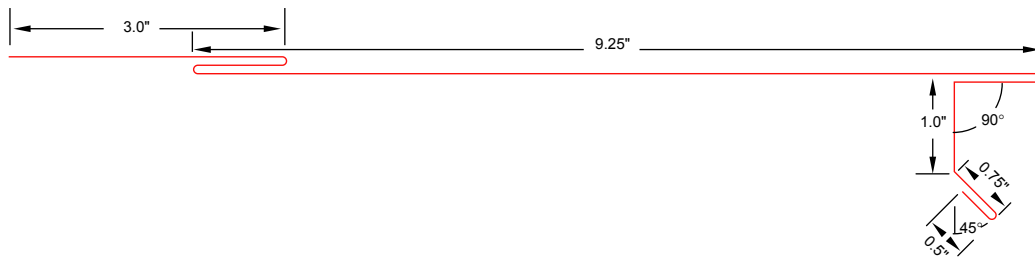


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PITCH CHANGE

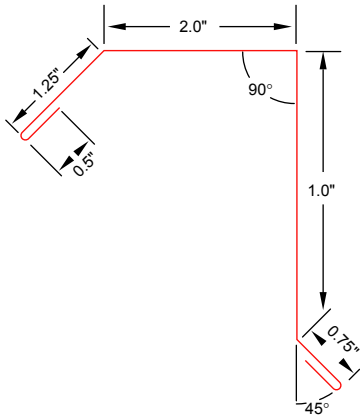


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FILE: AST_PITCH_A

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GABLE

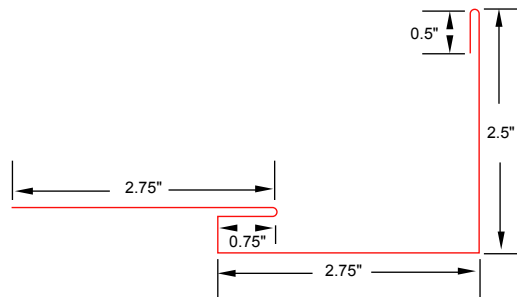


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GUTTER CAP

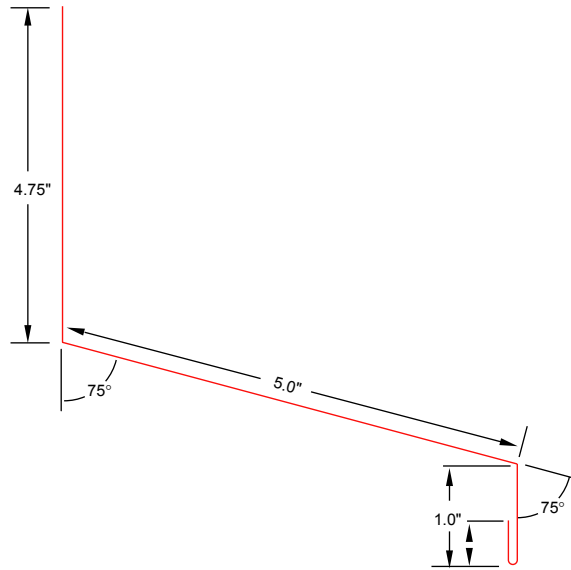


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FILE: AST_GUTCAP_A

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ENDWALL AND SIDEWALL

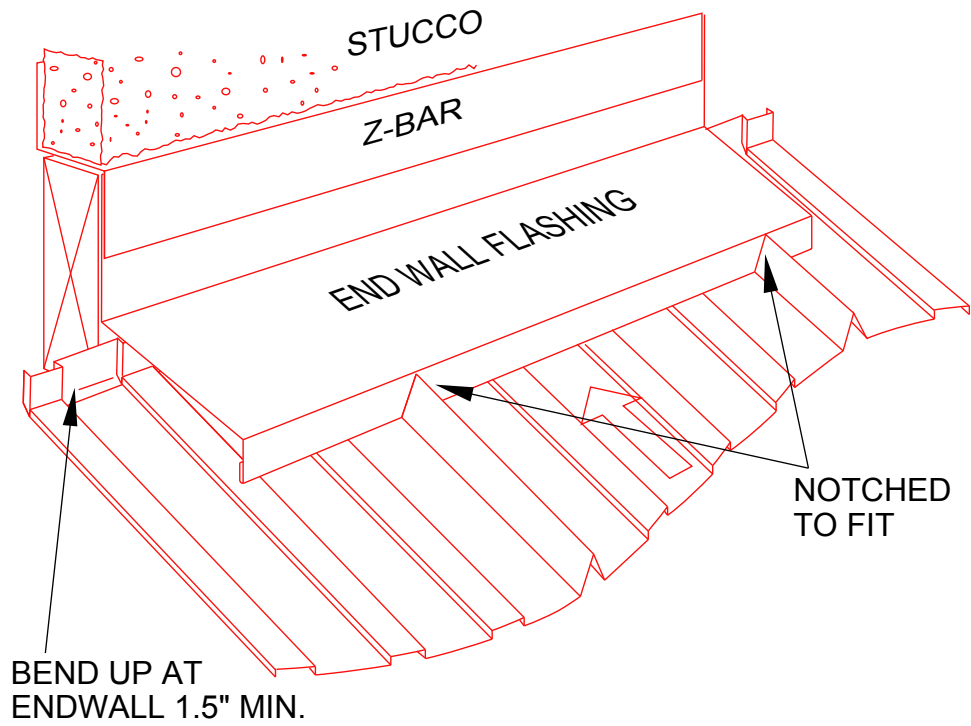


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ENDWALL DETAIL

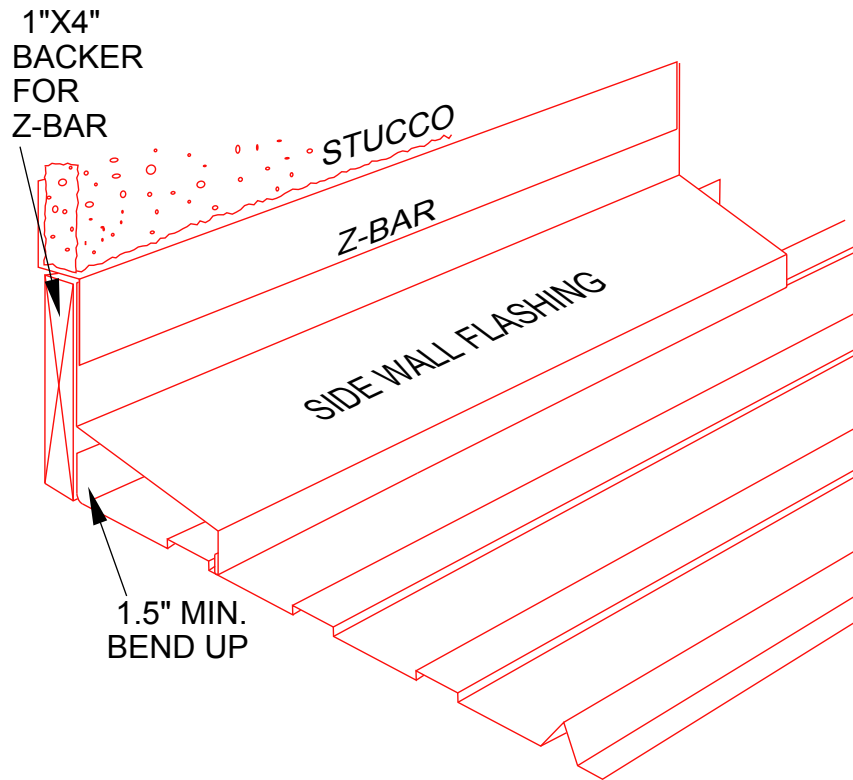


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SIDEWALL DETAIL

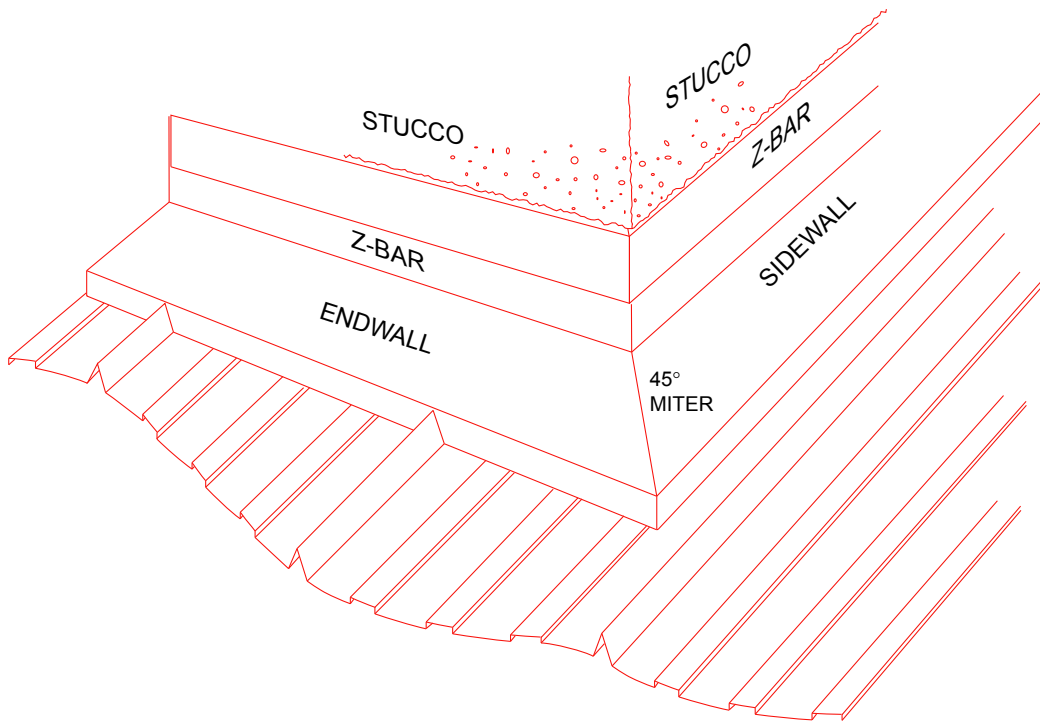


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ENDWALL/SIDEWALL DETAIL

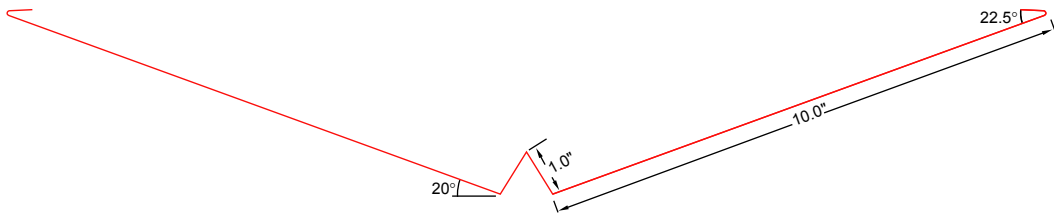


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VALLEY

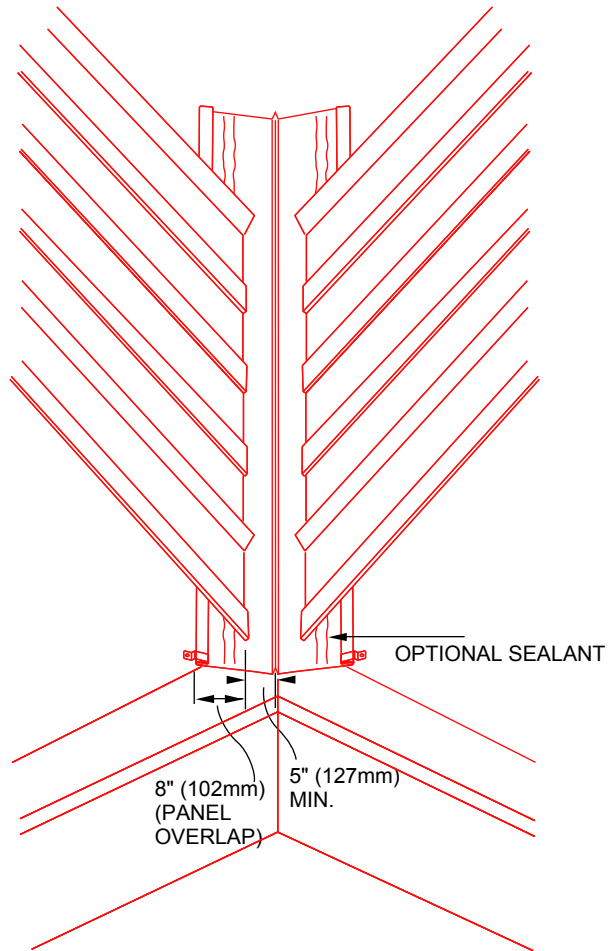


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FILE: AST_VALLEY_A

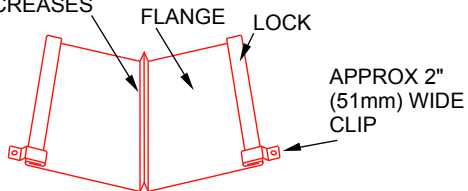
SECTION: 1
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**MODERATE CLIMATE
VALLEY DETAIL**



MINIMUM SLOPE
FOR THIS
CONDITION IS
6:12 (50%)

CENTER RIB 1" (25mm)
MINIMUM HEIGHT - TO
RESTRICT "WASH OVER"
(INCREASE HEIGHT-AS
SLOPE OF VALLEY
INCREASES



NOTES:

1. SUGGESTED FOR MILD TO MODERATE CLIMATIC CONDITIONS ONLY.
2. DIMENSIONS FOR VALLEY METAL WIDTH MAY VARY ACCORDING TO THE PANEL LENGTHS AND GEOGRAPHIC CONDITIONS

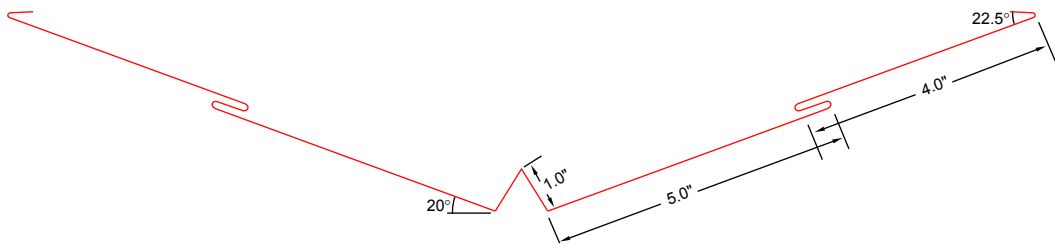


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WIND AND SNOW
VALLEY

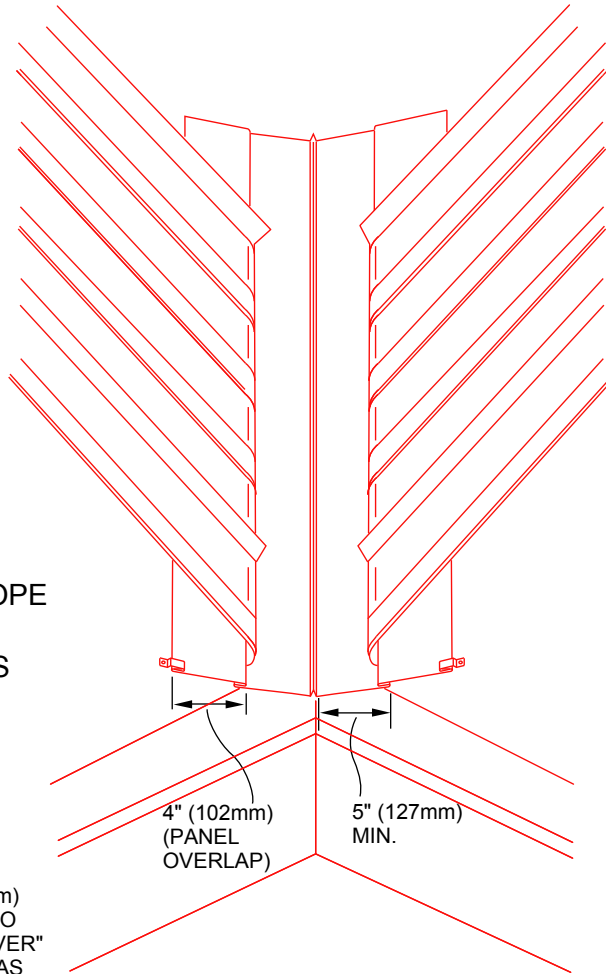


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**WINDBLOWN SNOW AREA
AND LOWER SLOPE
VALLEY DETAIL**

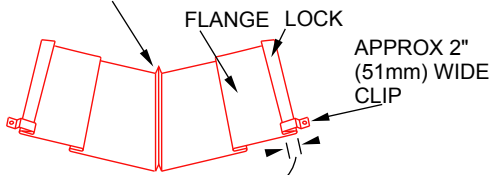


**MINIMUM SLOPE
FOR THIS
CONDITION IS
3:12 (25%)**

4" (102mm)
(PANEL
OVERLAP)

5" (127mm)
MIN.

**CENTER RIB 1" (25mm)
MINIMUM HEIGHT - TO
RESTRICT "WASH OVER"
(INCREASE HEIGHT-AS
SLOPE OF VALLEY
INCREASES**



**1" (25mm) LOCK MAY NOT BE
SUFFICIENT
ENGAGEMENT FOR LONG
PANEL RUNS**

NOTE:
DIMENSIONS FOR VALLEY METAL
WIDTH MAY VARY ACCORDING TO
THE PANEL LENGTHS
AND GEOGRAPHIC CONDITIONS

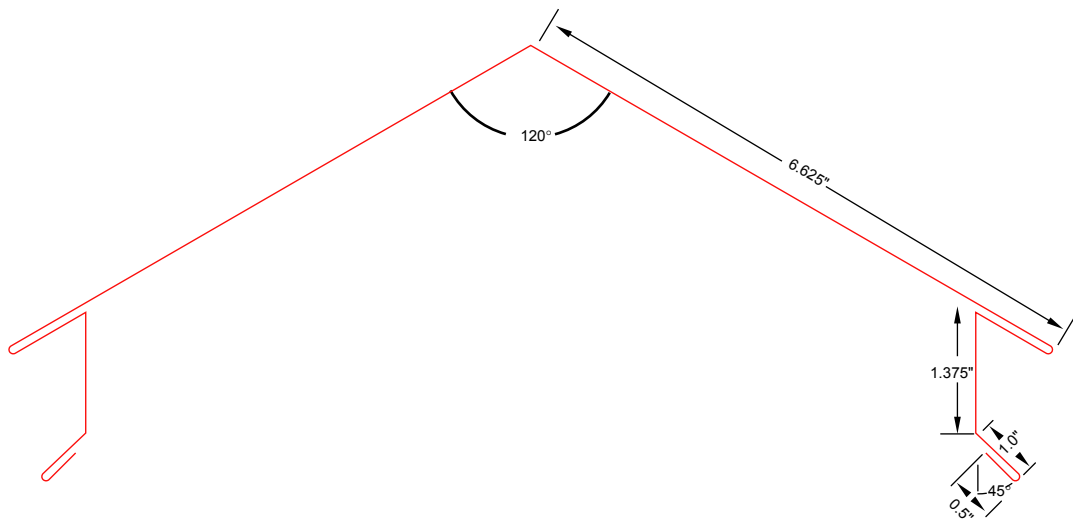


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RIDGE CAP

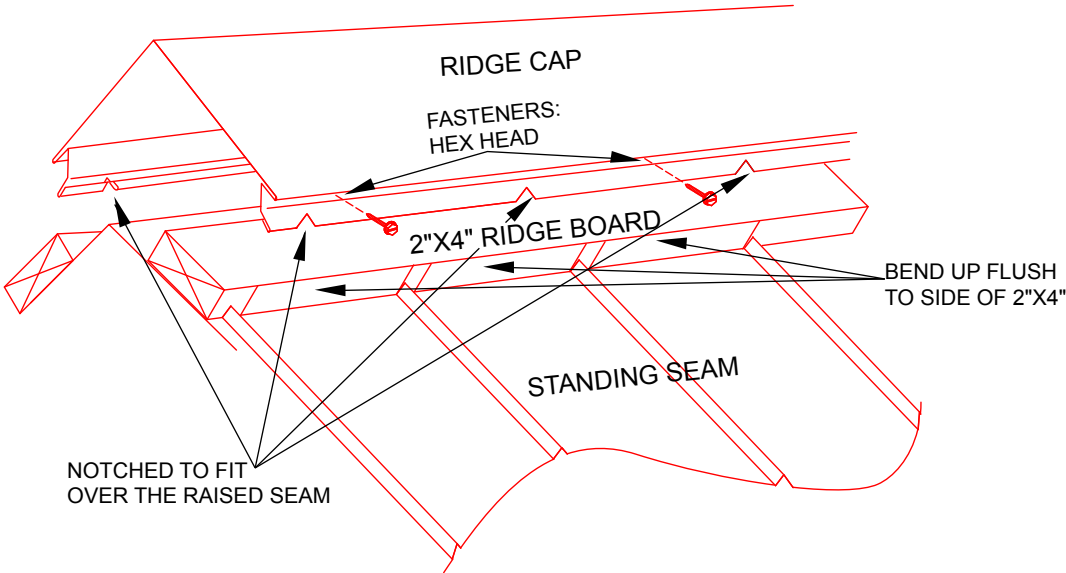


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RIDGE DETAIL

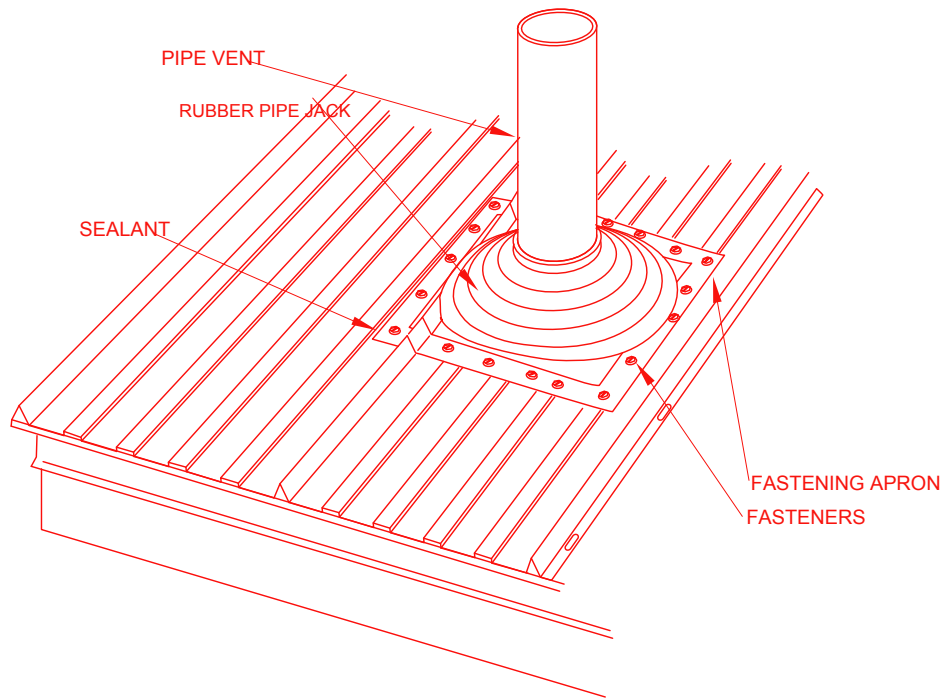


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RUBBER PIPE FLASHING



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