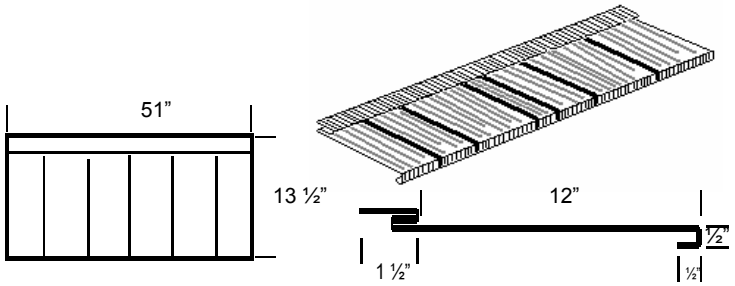
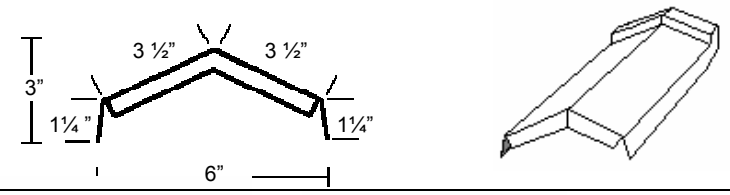
RARE MANUFACTURING INC.
Lightweight Metal Roofing

IRONWOOD SHAKE & FLASHING SPECIFICATIONS



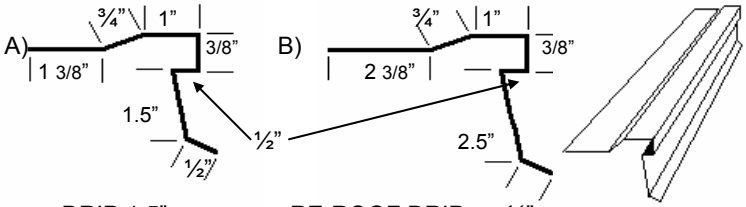
IRONWOOD SHAKE

Overall Length	51”
Length of Coverage	48”
Width of Coverage	12”
Total Shake Coverage	4 sq. ft.
Weight	4.01 lbs
Shakes per box (52” x 16” x 6”)	20 pcs
Shakes per square	25 pcs
Shakes per pallet (24 boxes)	480 (19.2 sq.)
Weight of full pallet (48” x 45” x 57”)	1975 lbs



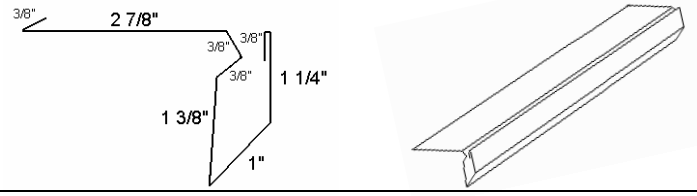
IRONWOOD SHAKE CAP

Overall Length	14”
Length of Coverage	12”
Weight	0.55 lb
Shake Caps per box (18” x14.5” x 21”)	50 pcs
Shake Caps per pallet (12 boxes)	600 pcs



IRONWOOD DRIP 1.5” & RE-ROOF DRIP

Overall Length	96”
Length of Coverage	93”
A) Drip 1.5” - Weight (6”)	3.62 lbs
B) Re-roof Drip – Weight (8”)	4.83 lbs

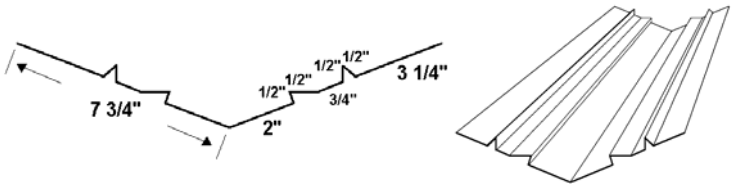


IRONWOOD GABLE

Overall Length	96”
Length of Coverage	93”
Weight (8”)	4.83 lbs

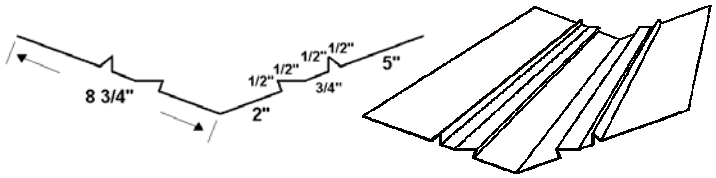
IRONWOOD WALL

Overall Length	96”
Length of Coverage	93”
Weight (8”)	4.83 lbs



IRONWOOD 16” VALLEY

Overall Length	96”
Length of Coverage	93”
Weight (16”)	9.66 lbs



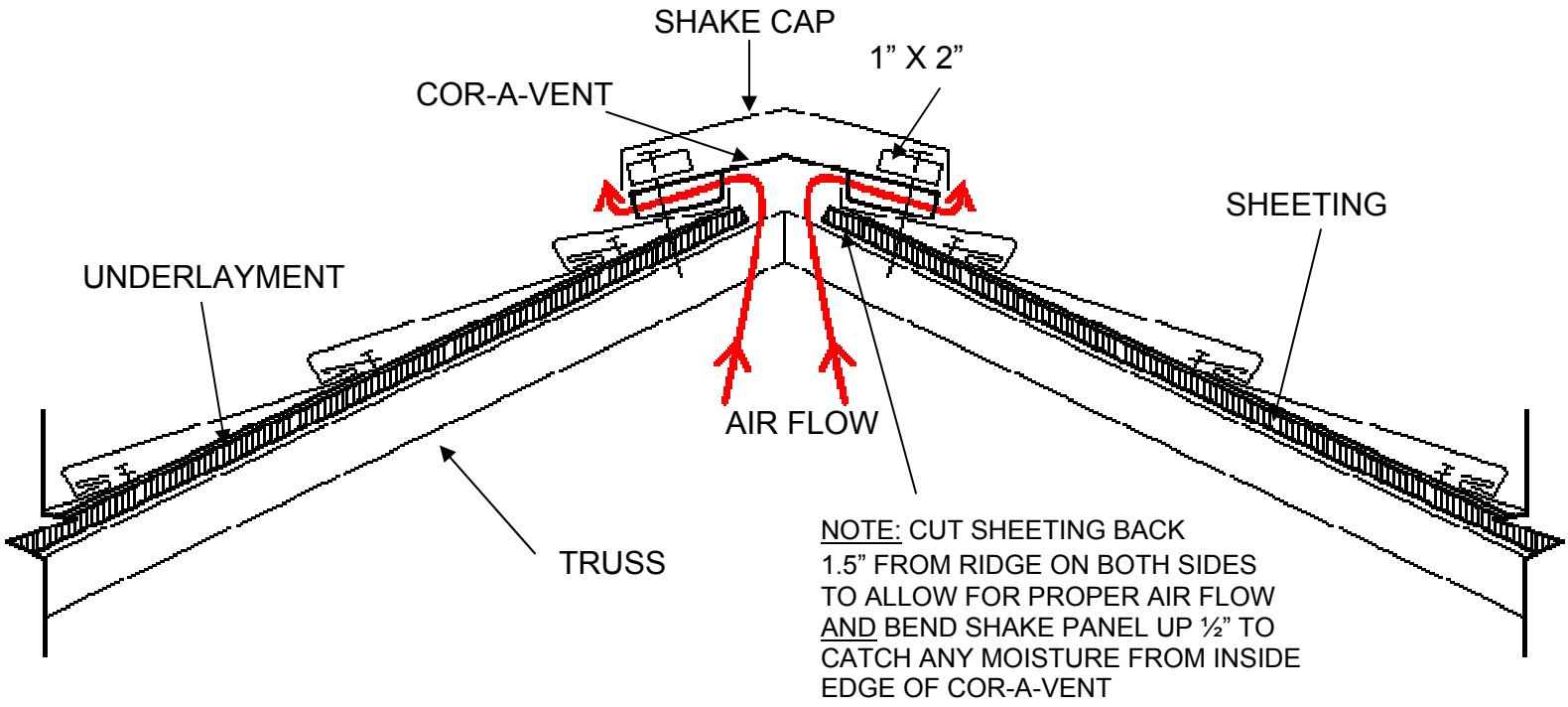
IRONWOOD 20” VALLEY

Overall Length	96”
Length of Coverage	93”
Weight (20”)	12.08 lbs

19154 – 95A Avenue, Surrey, B.C. V4N 4P2 ● Tel: 604-882-2888 ● Fax: 604-882-2887
Toll free: 1-866-316-7273 ● www.raremanufacturing.com

RARE MANUFACTURING INC.
Lightweight Metal Roofing

Ironwood Shake – Ridge Vent Details



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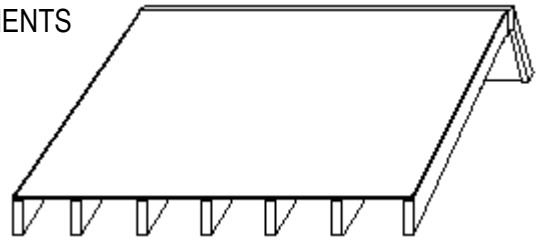
IRONWOOD SHAKE INSTALLATION

Revised Sep 2016

DECK REQUIREMENTS



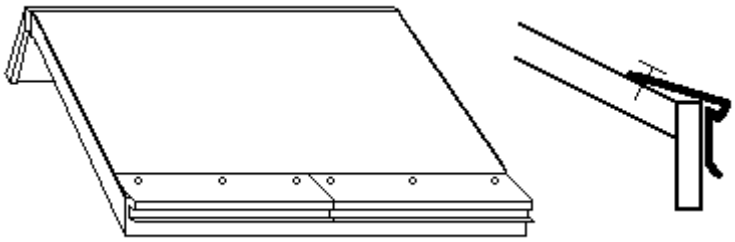
SOLID SHEETED DECK REQUIRED

New Construction: Requires solid sheeted deck

Asphalt Re-Roof:
Per local building code. Okay to install over asphalt

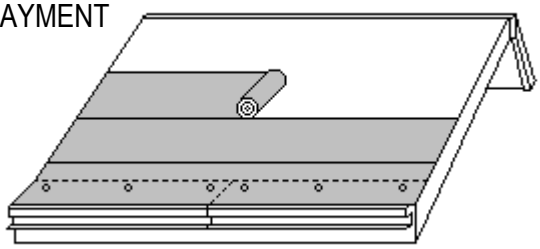
Cedar Re-Roof:
Tear-off cedar, fill in deck as necessary – max. spacing 4" gap.

DRIP CAP FLASHING



Drip Cap:
Drip cap to be installed prior to underlayment. Install drip cap to hang over fascia board

UNDERLAYMENT



APPLY UNDERLAYMENT OVER PREPARED DECK

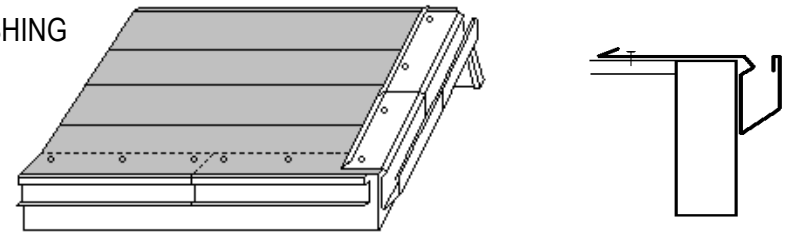
NOTE: ROOF INTERRUPTIONS SUCH AS VENTS, SKYLIGHTS, PLUMBING STACKS, CHIMNEYS, WALLS, ETC. ARE TO BE FULLY WATERPROOFED WITH SELF-ADHERING MEMBRANE UNDERLAYMENT TO A MINIMUM OF 1 FT. ONTO THE ROOF SURFACE (OR PER THE LOCAL BUILDING CODE WHEN SPECIFIED)

New Construction: Requires min. ASTM D226 Type II

Asphalt Re-Roof:
Per local building code. If no under-layment required, must ensure existing roof is water tight (i.e. spot repair with ice & water shield) prior to installation of metal panels

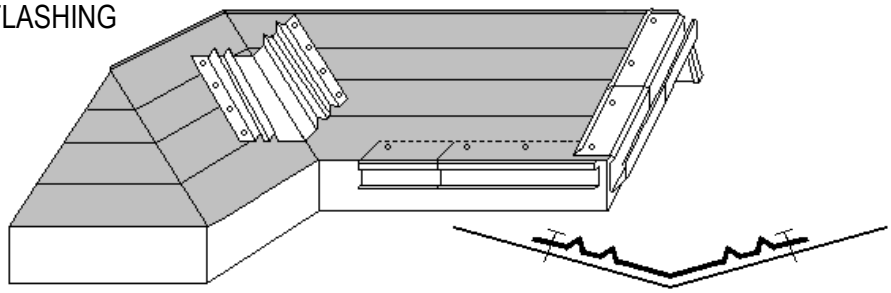
Cedar Re-Roof:
Requires min. ASTM D226 Type II

GABLE FLASHING



Gable:
Install gable flashing to hang over fascia board

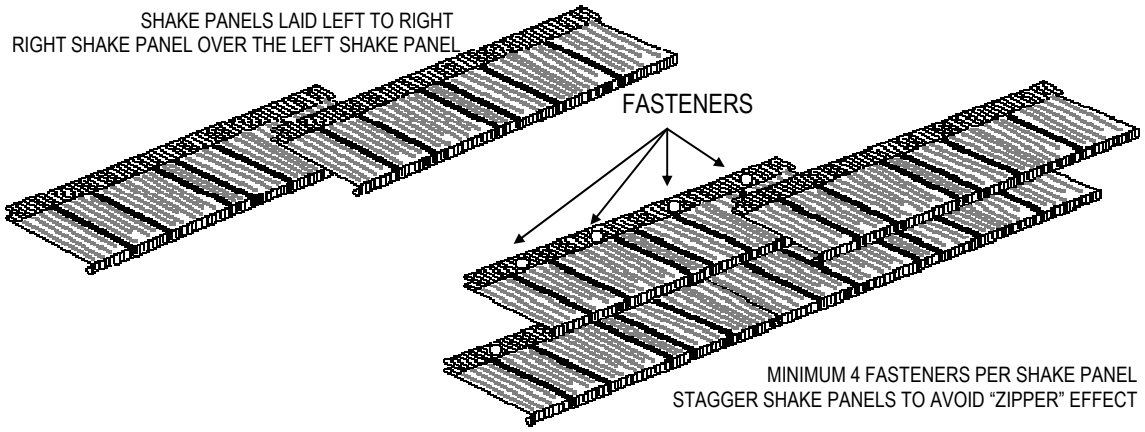
VALLEY FLASHING



Valley Flashing:
Install valley flashing, fastened as shown (Do not fasten inside the ridges of valley flashing)

AT THIS POINT ALL DRIP CAP, GABLE AND VALLEY FLASHING SHOULD BE INSTALLED BEFORE PROCEEDING WITH THE SHAKE PANEL INSTALLATION

IRONWOOD SHAKE

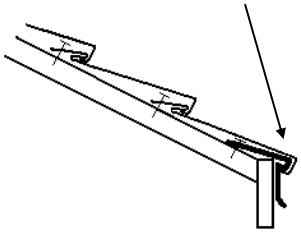


Laid Left to Right:
Metal shake panels should be laid left to right so that the right one is overlapping the left one. Starting at the eave ending at the ridge.

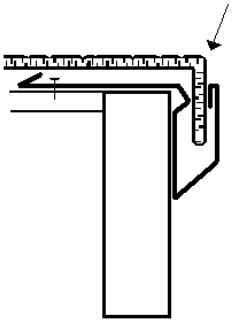
Fasteners & Lapping:
Each metal shake panel should be fastened with a minimum of four fasteners with no more than 12" between them. Lapping should be staggered for visual effect

INSTALLING IRONWOOD SHAKE

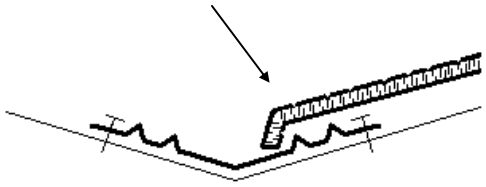
SHAKE PANELS HOOK ONTO **DRIP CAP**

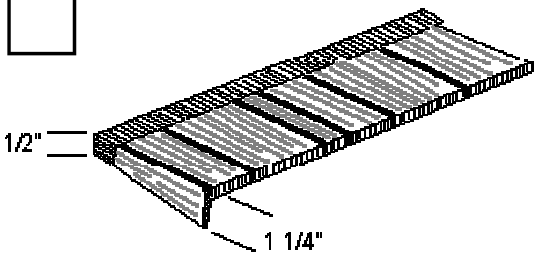


SHAKE PANEL BENDS DOWN INTO **GABLE FLASHING**



SHAKE PANELS BEND DOWN INTO **VALLEY FLASHING**





BEND SHAKE PANEL ON ANGLE FOR VALLEY & GABLE BENDS

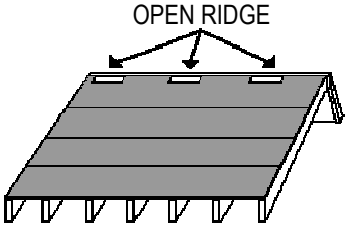
Drip Cap:
First row of shake panels hook on to drip cap

Gable Flashing:
Bend shake panel down into gable flashing on angle as shown

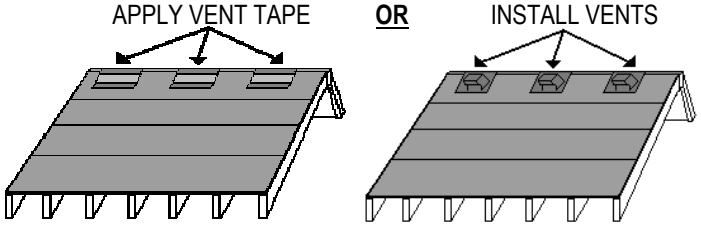
Valley Flashing:
Bend shake panel down into valley on angle as shown

VENTILATION

OPEN RIDGE



APPLY VENT TAPE **OR** INSTALL VENTS

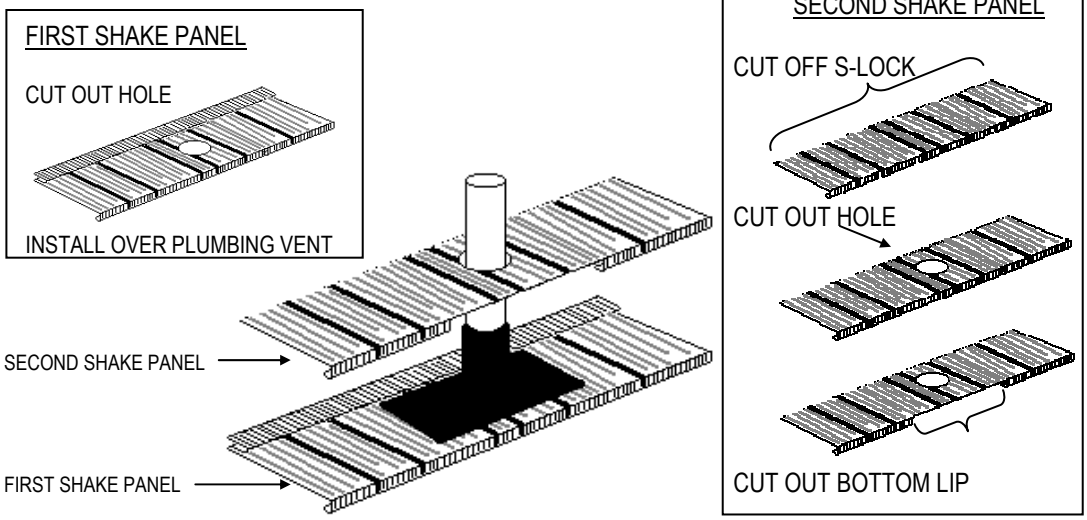


INSTALLATION OF SHAKE PANELS OVER VENTS SAME AS PLUMBING VENT (SEE NEXT SECTION)

Ventilation:
New construction and re-roof both require venting installed as per the building codes

Vents **OR** Vent Tape:
Install a section of vent tape over each vent opening **OR** install a roof vent over each vent opening.

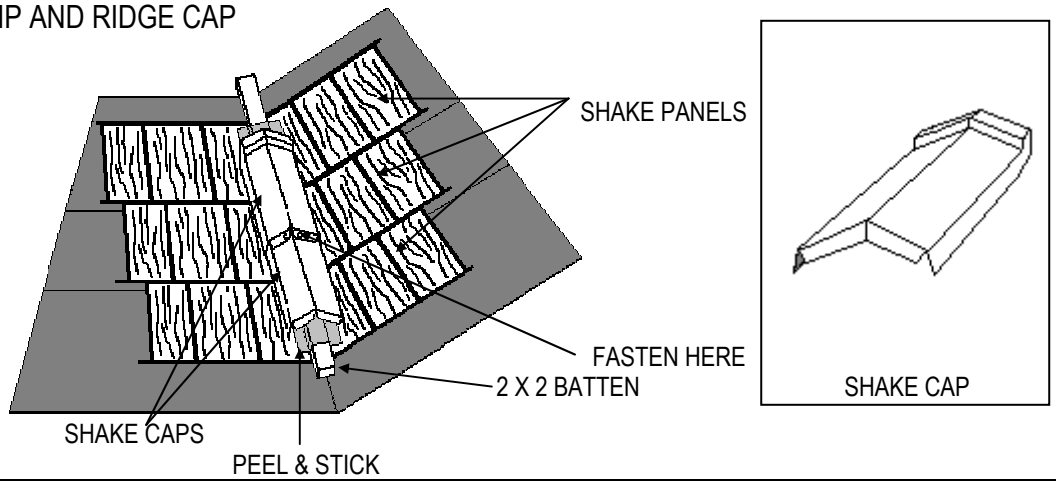
PLUMBING VENT & FLASHING



First Shake Panel:
Cut out hole in first shake panel & install over plumbing vent. Slide plumbing vent flashing overtop.

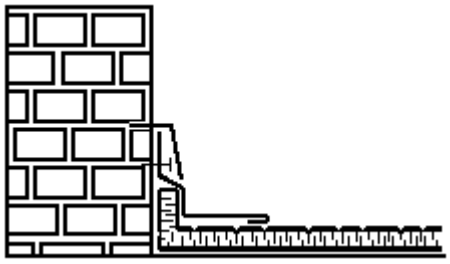
Second Shake Panel:
Cut a second shake panel as shown, note the top s-lock portion is cut off and a section matching the width of the vent flashing is cut out of the bottom lip to allow for drainage. Install second shake panel directly overtop of first shake panel tucking cut edge under s-lock and hook bottom lip on.

HIP AND RIDGE CAP



Hip & Ridge:
Ensure that shake panels butt up against each other at the hip/ridge to form an even/straight line. Next, fasten 2x2 to hip/ridge, apply peel & stick overtop of 2x2 along the entire length of hip/ridge. Finally, install caps starting at the bottom using two fasteners per cap. Each cap overlaps the previous one and fasten as shown.

WALL/CHIMNEY FLASHING



Wall Flashing:
Bend shake panel up against wall, fasten wall flashing overtop as shown, underneath existing counter flashing or siding

ADDITIONAL INFORMATION:

Tools: screw gun & driver finder, nail gun, tin snips/power snips to cut shake panels (no saw blades) & hand folder supplied by Rare Mfg.

Severe Climate Areas: In areas subject to wind-driven snow, ice build-up, wind-driven dust or sand, or in other areas designated by the building official, both of the following must be provided:

a) solid sheathing with two layers of Type I or one layer of Type II for the field of the roof.
b) solid sheathing with two layers of Type I applied shingle-fashion, solid-cemented together with approved cementing material between the plies, or a self-adhering polymer-modified bitumen sheet, extending from the eave up the roof to a point 24 inches inside the exterior wall of the building.