IRONSTONE SLATE & FLASHING SPECIFICATIONS (2019)

IRONSTONE SLATE

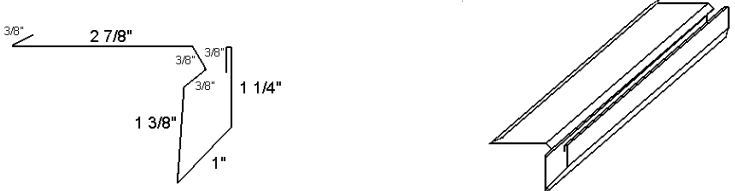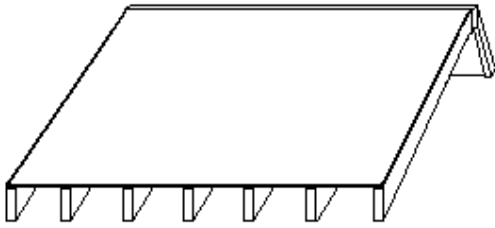|	
Overall Length	48 ½"
Length of Coverage	48"
Width of Coverage	12 ½"
Total Panel Coverage	4.17 sq. ft.
Weight	3.58 lbs
Panels per box	20 pcs
Panels per square	24 pcs
Per pallet	22 bxs / 440 pcs
Square per pallet	18.26 sq
Weight per Pallet	1575 lbs

IRONSTONE CAP

Overall Length	15 ½"
Length of Coverage	12 ½"
Weight	0.9 lbs
Slate Caps per box	50 pcs
Boxes per pallet	12 boxes
Slate Caps per pallet	600 pcs
Weight per pallet	540 lbs

IRONSTONE DRIP

Overall Length	96"
Length of Coverage	93"
Weight (6")	3.62 lbs

IRONSTONE GABLE

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

IRONSTONE WALL

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

IRONSTONE 16" VALLEY

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

Revised Jan 2020   *S:\DOCUMENTS\SPECS-INSTALL\SLATE-SPEC-INSTALL\new 2019\IS Slate Flash JAN 2020.docx*

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DECK REQUIREMENTS

SOLID SHEETED DECK REQUIRED FOR NEW CONSTRUCTION

New Construction: Requires solid sheeted deck

Asphalt Re-Roof:
Per local building code. Okay to install over asphalt if roof slope is over 6/12

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

DRIP FLASHING
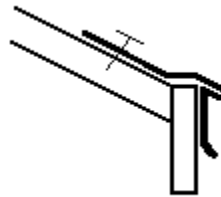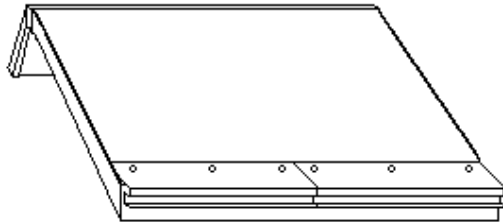
Drip Flashing:
Drip flashing to be installed prior to underlayment. Install flashing to hang over fascia board

UNDERLAYMENT
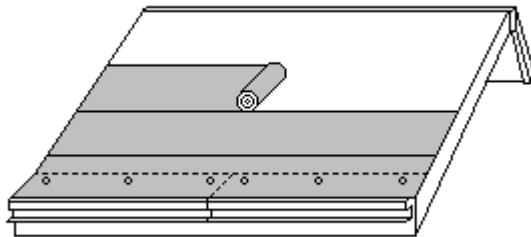
APPLY UNDERLAYMENT OVER PREPARED DECK

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 underlayment 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
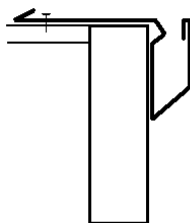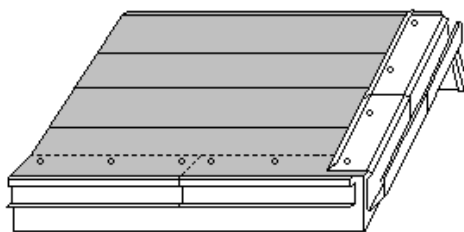
GABLE FLASHING

Mating end to end
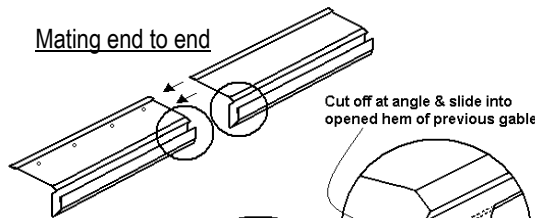
Cut off at angle & slide into opened hem of previous gable
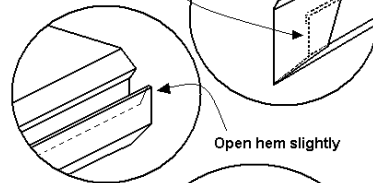
Open hem slightly
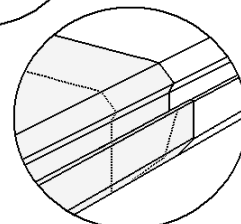
Gable:
Starting at the eave, install gable flashing to hang over fascia board.

Mating end to end:
Open hem on top end, cut off corner of next piece at angle as shown to fit inside the previous installed section of gable flashing. The cut piece should slide into the opened hem until it stops.

Acceptable install procedures may vary slightly due to local requirements
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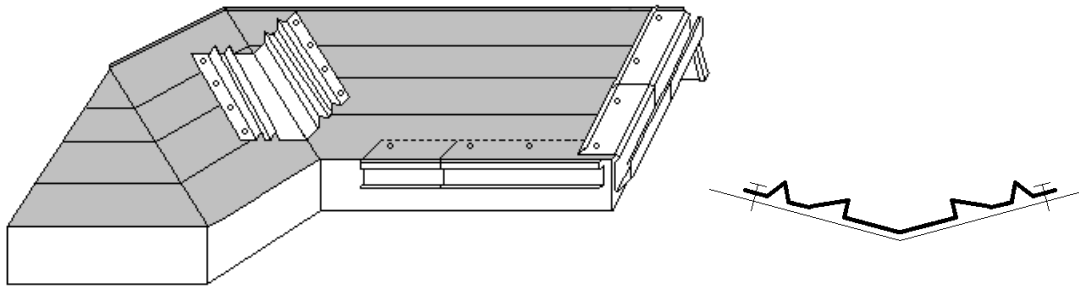
VALLEY FLASHING

Valley Flashing:
Install valley flashing,
fasten 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 PANEL INSTALLATION

IRONSTONE SLATE PANELS

PANELS LAID LEFT TO RIGHT
RIGHT PANEL OVER THE LEFT PANEL

MINIMUM 4 FASTENERS PER PANEL
STAGGER PANELS FOR VISUAL APPEAL

FASTENERS

HOOK

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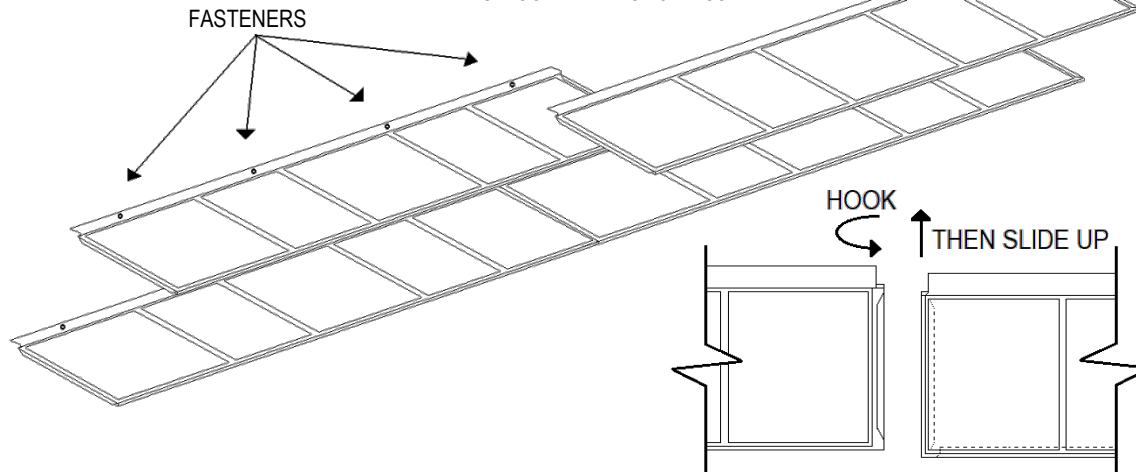
Laid Left to Right:
Metal panels should be
laid left to right so that
the right one is
overlapping the left one.
Starting at the eave
ending at the ridge.

Fasteners & Lapping:
Each metal panel should
be fastened with a
minimum of four
fasteners. Lapping
should be staggered for
visual appeal

INSTALLING IRONSTONE SLATE PANELS

PANELS HOOK
ONTO **DRIP FLASHING**

BEND PANELS DOWN
INTO **GABLE FLASHING**

1/2"

1"
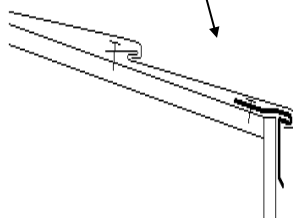
BEND PANEL ON ANGLE
FOR VALLEY & GABLE BENDS
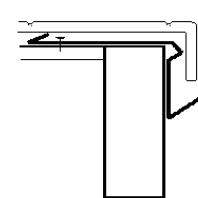
BEND PANELS DOWN INTO **VALLEY FLASHING**
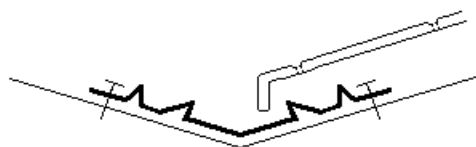
Drip Cap:
First row of panels hook
onto drip flashing

Gable Flashing:
Bend panel down into
gable flashing on angle
as shown. Cut off end of
subsequent sections of
gable, as shown on page
one, to ensure proper fit
end to end.

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

Acceptable install procedures may vary slightly due to local requirements
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RIDGE VENTILATION

OPEN RIDGE (per local building code)

APPLY VENT TAPE **OR** INSTALL ROOF VENTS
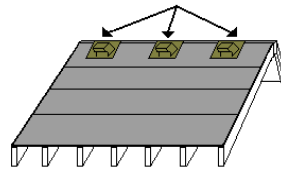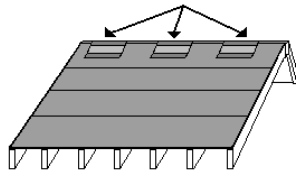
**INSTALLATION OF SLATE PANELS OVER ROOF VENTS
SAME AS PLUMBING VENT (SEE NEXT SECTION)**

Ventilation:
New construction and re-roof both require venting installed as per the current local 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.

Note: Ridge venting is also acceptable – see separate detail sheet.

PLUMBING AND/OR ROOF VENT INSTALLATION

FIRST PANEL

CUT OUT HOLE
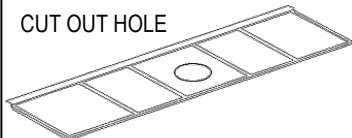
INSTALL OVER PLUMBING VENT

SECOND PANEL

FIRST PANEL
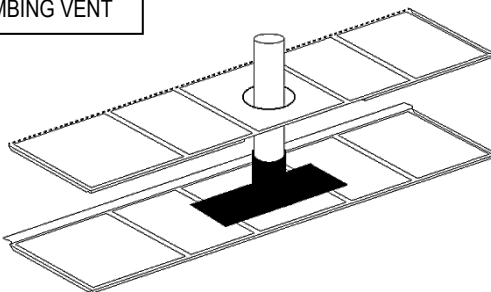
SECOND PANEL

CUT OFF S-LOCK
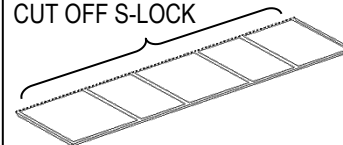
CUT OUT HOLE
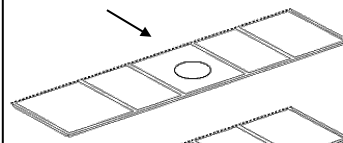
CUT OUT BOTTOM LIP
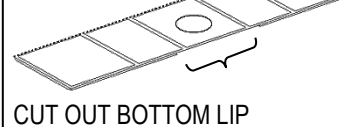
First Panel:
Cut out hole in first panel & install over plumbing vent. Slide plumbing vent flashing overtop.

Second Panel:
Cut a second 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 panel directly overtop of first panel tucking cut edge under s-lock and hook bottom lip on.

HIP AND RIDGE CAP

HIP
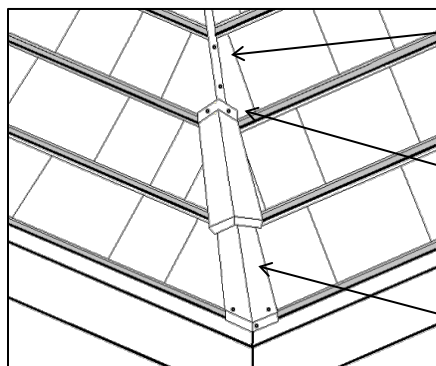
RIDGE

OVERLAP, FOLD OVER & FASTEN

FASTENERS

HIDDEN FASTENER SHAKE CAP
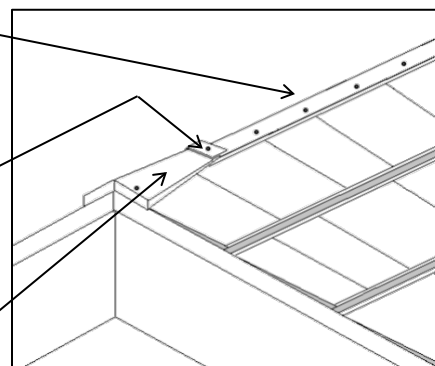
Hip & Ridge:
Cut panels, one side flush with hip/ridge, other side overlap 2", fold over & fasten to ensure the seam is weathertight. In severe climate areas use 6" peel & stick tape along seam as well. Install caps starting at the bottom/eave using minimum two fasteners per cap. Each cap overlaps and hooks onto the previous one. All fasteners must penetrate wood deck/sheathing.
Flatten high points of the shake panels with rubber mallet to allow caps to lay flat.

Acceptable install procedures may vary slightly due to local requirements
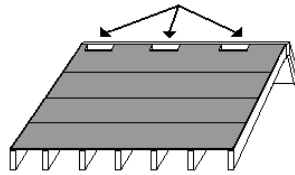*Please visit www.raremanufacturing.com for the most current version of this document*

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WALL/CHIMNEY FLASHING

Counter Flashing

Wall Flashing
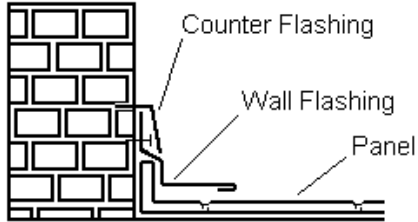
Panel

Wall Flashing:
Bend 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 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.

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IronStone SLATE – Ridge Vent Details

7" QUARRIX RIDGE VENT **SLATE CAP** **SLATE PANELS**

UNDERLAYMENT

TRUSS
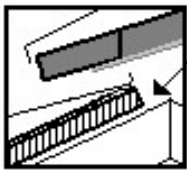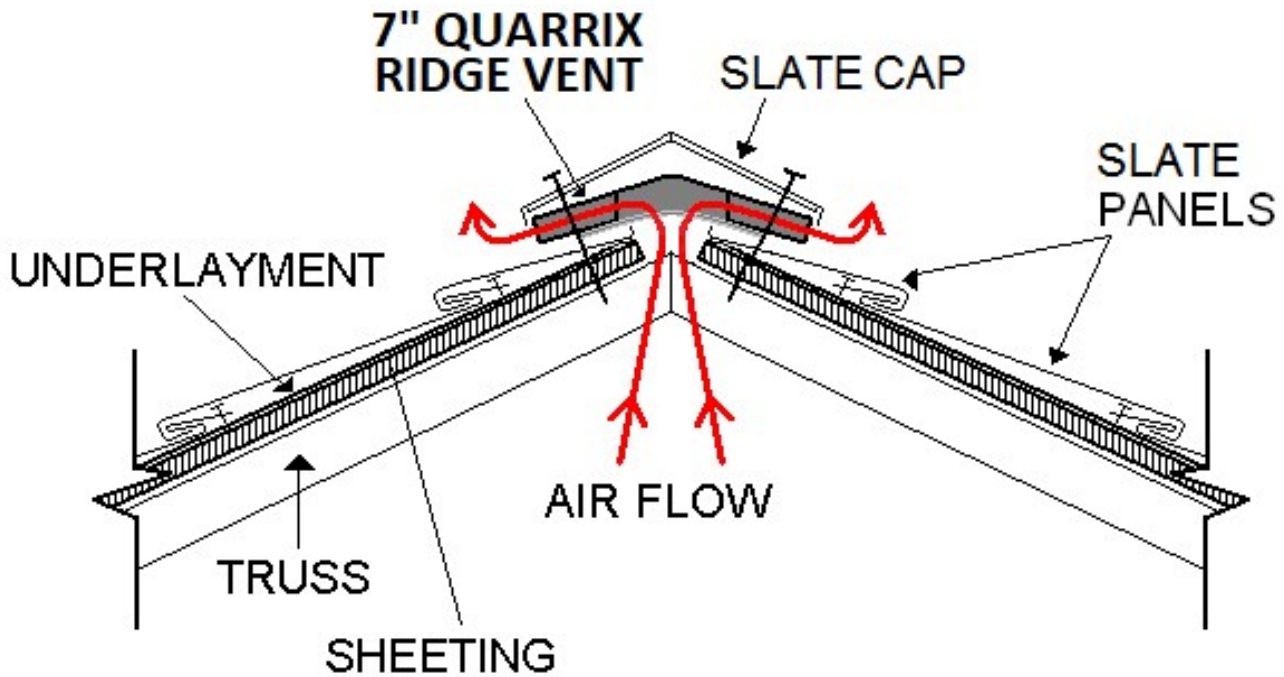
SHEETING

AIR FLOW

CUT SHEETING 1.5" BACK FROM RIDGE ON BOTH SIDES TO ALLOW FOR PROPER AIR FLOW
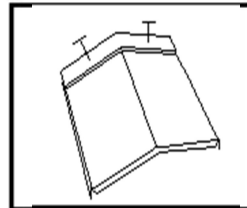
FASTEN CAP THRU S-LOCK PORTION OF CAP ONLY

BEND PANEL UP 1/2" TO CATCH ANY POSSIBLE MOISTURE DRIPPING FROM TOP INSIDE EDGE OF RIDGE VENT

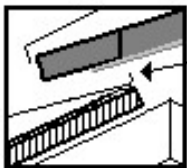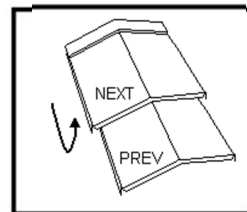NEXT

PREV

NEXT CAP HOOKS ONTO PREVIOUS CAP

s:\documents\specs-install\vents\ridge vents\is slate ridge vent2018.docx

Ironwood Shake – Residential Vent Details

Note: These installation details are for a generic/standard type of residential roofing vent. This is our recommended way to install such a vent within our Ironwood shake roofing system. You may use other suitable roofing vents and adjust the install method to suite the vent accordingly.
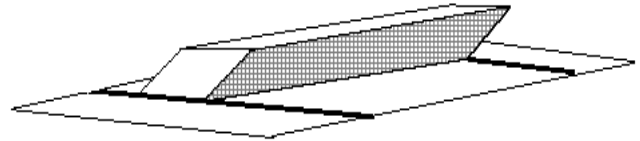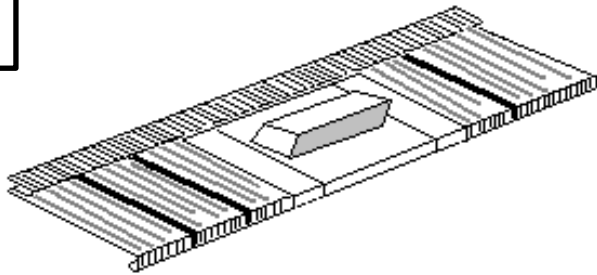
1
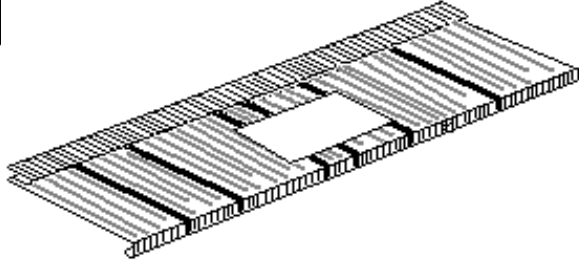
FIRST SHAKE PANEL:
Cut hole in panel to allow required amount of air flow per local bldg. code. Install this panel over roof vent hole.
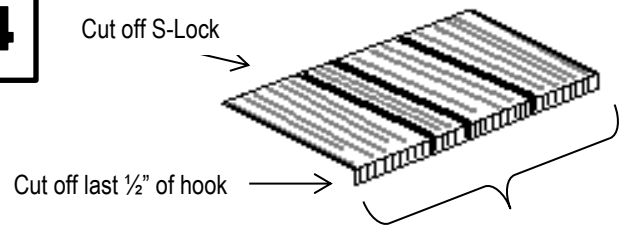
2

Residential Roofing Vent

3

FIRST SHAKE PANEL:
Insert residential vent under the S-lock portion of the IW panel, centered over the air space. Bend down ½" front edge to cover the roof panel edge.

4

Cut off S-Lock

Cut off last ½" of hook

Min. 22" wide – make side cuts at the bottom of the nearest separation groove to provide extra support
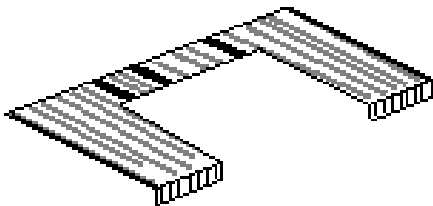
SECOND SHAKE PANEL:
Cut out the matching section from another IW panel to use as a cover panel overtop of the vent skirt area. Cut off both the S-lock from the top edge and the ½" hook portion from the bottom/front edge as indicated above.
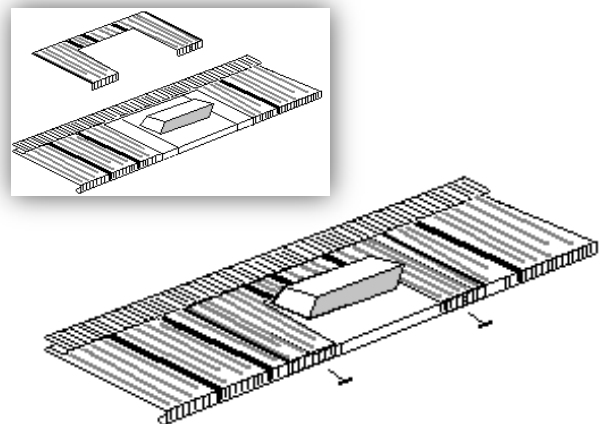
5

SECOND SHAKE PANEL:
Cut out a rectangle slightly larger than the raised vent and cut off adjacent front edge of the panel.

6

Insert cover shake over vent skirt and slide it up into the S-lock of the first shake panel. Fasten with 2 screws through the front edge as shown above.

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Installed Ironwood Shake Residential Vent

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