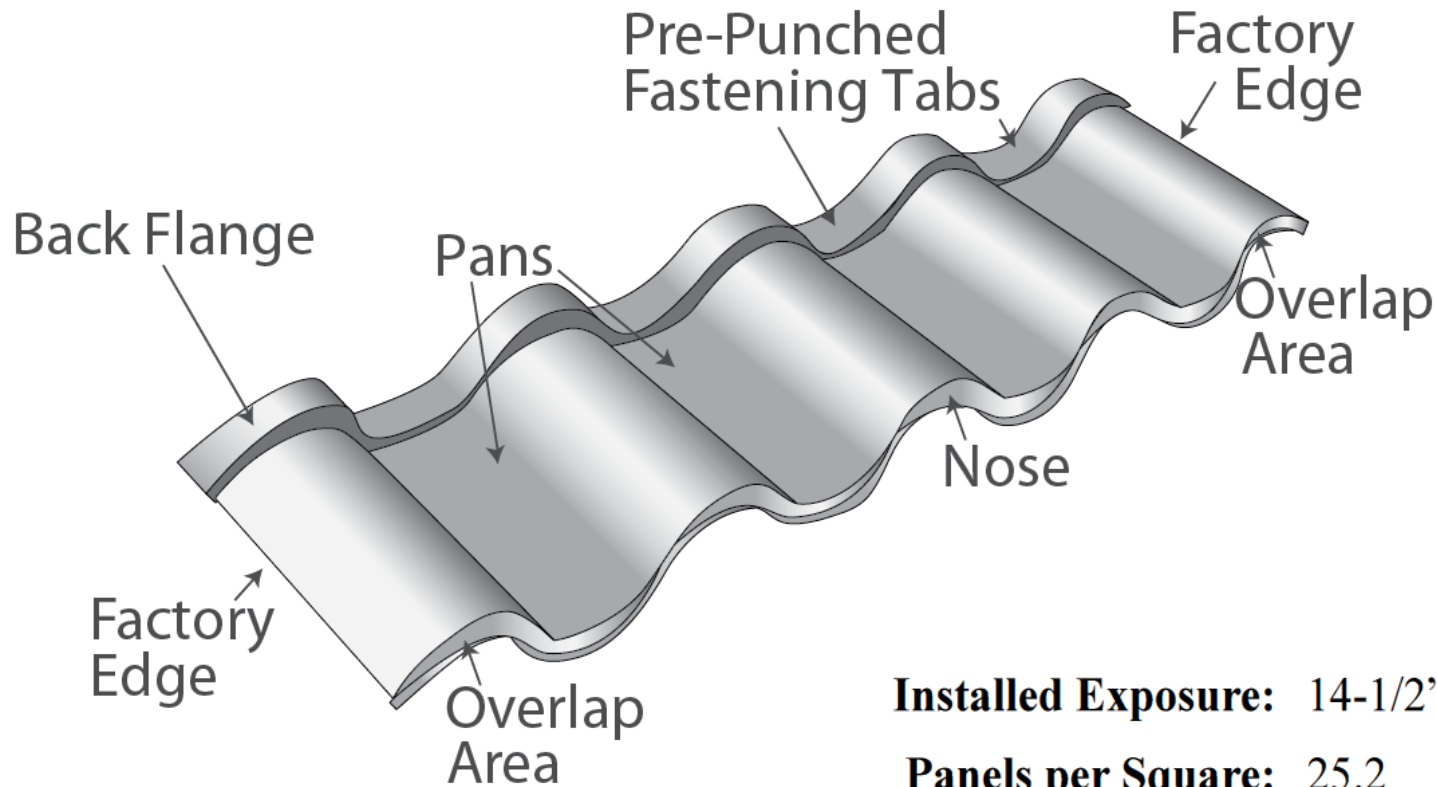


Experience the DECRA® Difference



***Direct to Deck Installation Details
Villa Tile***

DECRA Villa Tile Panel – Detail

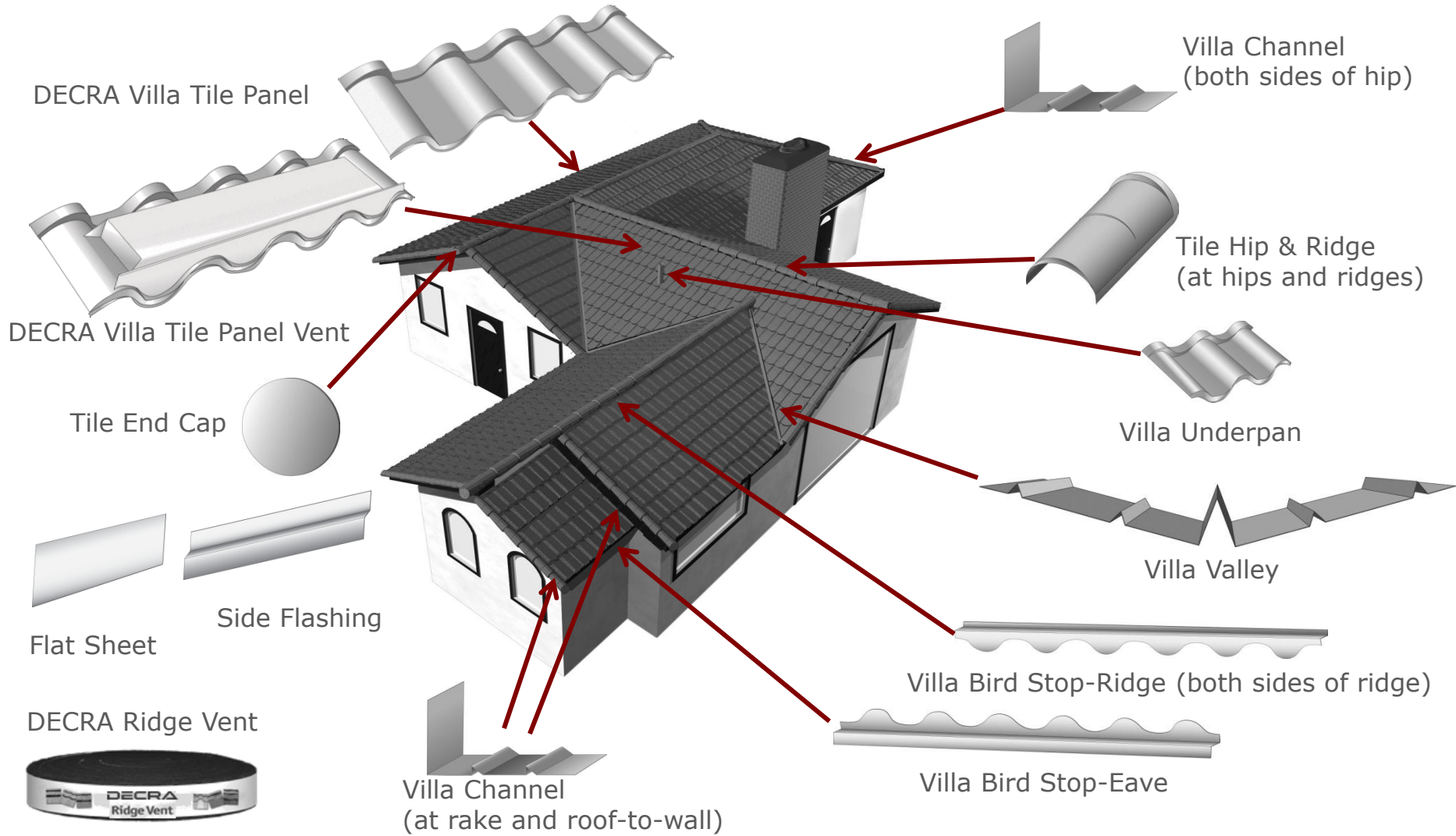


Installed Exposure: 14-1/2" x 39-1/2"

Panels per Square: 25.2

Installed Weight: 160 lbs./sq.

DECRA Villa Tile Roof – Detail



Measuring & Cutting Panels

- Measurements are made on roof and panels are marked and usually cut on the ground.
- Panels may be cut with a tin snips or circular saw with metal cutting blade.
- A hand bender is used to bend the cut edge of the panel for hips, ridges, and valleys.
- Safety equipment should be worn during the installation process.



Deck Preparation – Roof Over Asphalt

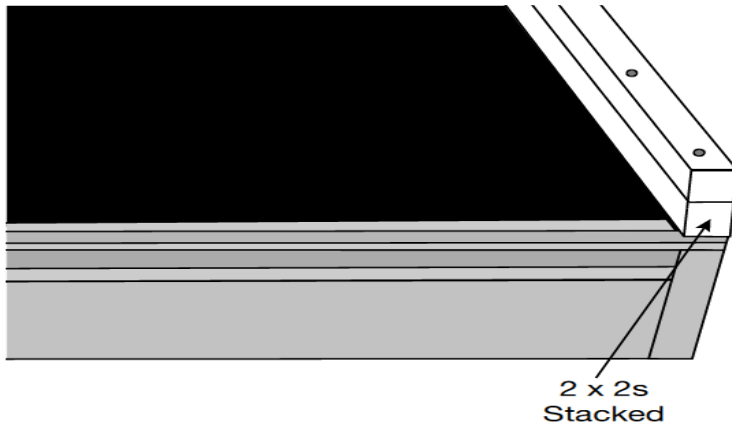
- Villa Tile may be installed over existing asphalt shingle. Cut shingles back 8" from eaves and rakes/gable edges.
- Can be installed over 2 layers of shingle, check local code.
- Remove existing hip and ridge materials.
- Underlayment shall comply with ASTM D 226, Type I or Type II, ASTM D 4869, Type I or II or ASTM D 1970 – or greater if required by local code.



Install Stacked 2 X 2's

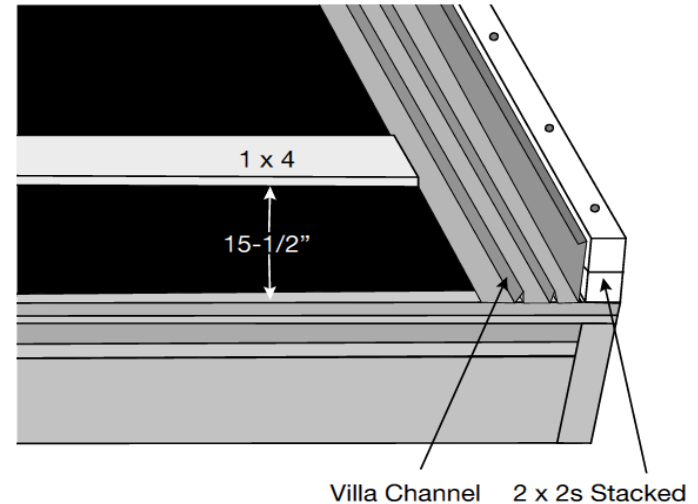


- Over prepared deck, position two stacked 2 x 2s flush along rake/gables, up the center of the hips and along ridges.



1 x 4 at First Course

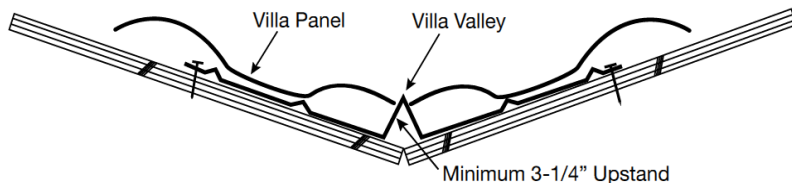
- Install the front edge of a 1x4 15-1/2" from the edge of the fascia.
- Fasten this to the deck using screws that will fit flush to the 1x4 and long enough to penetrate the deck securely.



Villa Valley



Paint visible areas of Villa Valley & Villa Channel prior to installing Bird Stop - Eave or Villa Panels

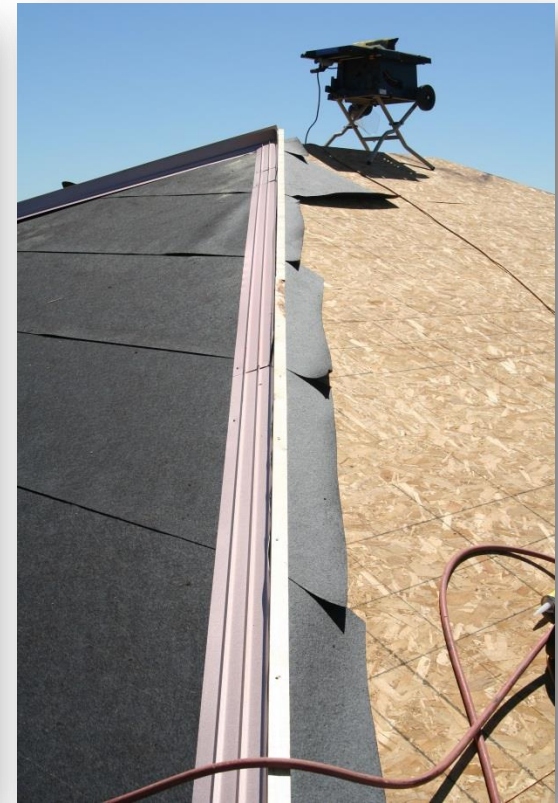
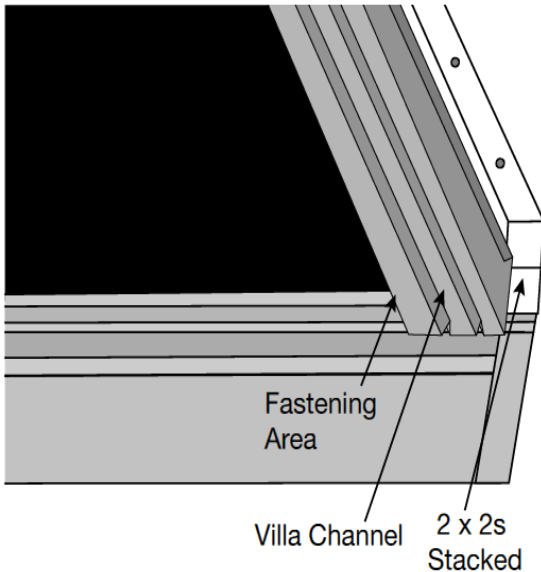


- Valley pieces should overlap minimum 6" – fasteners should be positioned outside the last rib on either side – paint the valley before installing panels.
- Use Villa Valley or standard concrete valley metal – minimum 26 gauge pre-finished aluminum-zinc alloy coated steel, minimum 16" wide with a minimum 3-1/4" center upstand.
- Ices and Water Shield recommended for freeze/thaw conditions.

Villa Channel

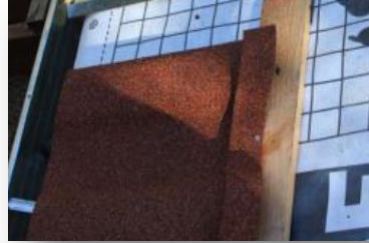
- Install Villa Channel at rake/gable, roof-to-wall, and along both sides of the 2 x 2s at the hip.

Pre-paint vertical/exposed portion of Villa Channel as needed prior to installing panels.



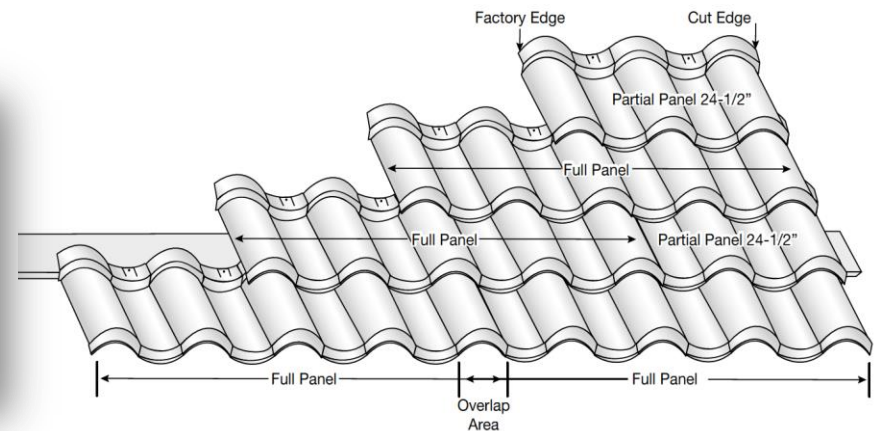
Panel Installation

- First course of panels will be fastened at the back of the panel. The nose of the panel will be fastened during Bird Stop – Eave Installation.
- Lay out panels and fasten as you go along - start at the fascia and work towards the ridge.
- Driving Screws straight down perpendicular to the deck will ensure a tight finish and a straight alignment.



Panel Installation

- Start at fascia and work up to the ridge. Start the first course with a full panel and the second course with a cut panel measuring 24.5".
- Measure panels and make cuts so the cut edge starts or ends in valley or channel metal.
- Panels can be laid right to left or left to right – overlap area must be covered by overlapping panel.
- Periodically check alignment by snapping a chalk line at 14-1/2" intervals.



Fastening Panels

- Attach second and subsequent courses of panels by locking the front of each panel into the back of the panel below.
- Drive screws straight down into the deck to draw panels tight.
- Fasteners: Minimum #9 Hex (1/4" diameter) x 1.5" Long.

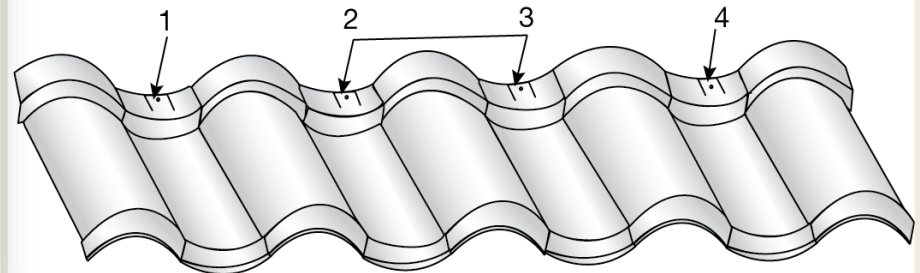


Fasten through pre-punched fastening tabs

Fastening Order (installing left to right): 1, 3 then 2 and 4*

Fastening Order (installing right to left): 4, 2 then 3 and 1*

*Install after next panel



Villa Bird Stop - Eave

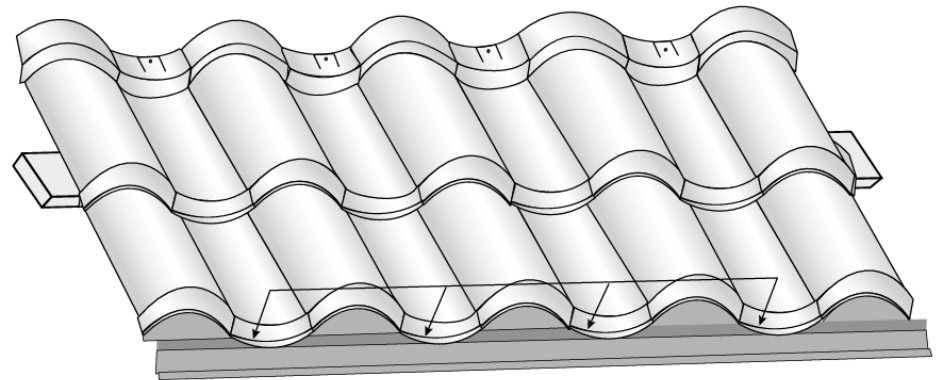
- Install and fasten Villa Bird Stop – Eave after installing a minimum of two courses above the eave.
(Required along the fascia)
- Villa Bird Stop – Eave must be notched where it terminates into the Villa Channel – fasteners placed every 10". *Right and left edges notched in the same manner.*



Eave Fastening



- Fasteners will go through the nose of the panel and the Villa Bird Stop – Eave into the deck.
- Ensure the Villa Bird Stop – Eave fits tight to the first course of panels without gaps.



Install Villa Bird Stop - Eave and fasten through the front edge of the panel, off to one side of the low point

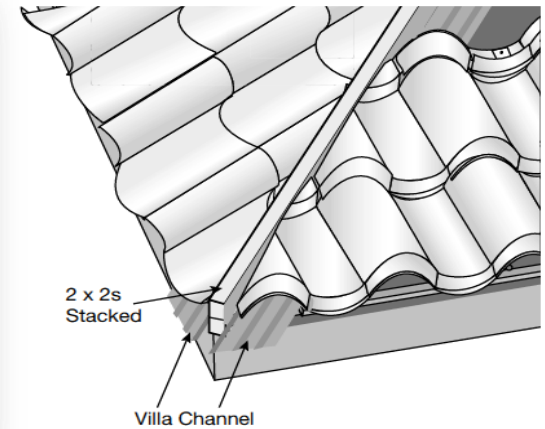
Panel Installation - Roof-to-Wall

- Install panels up to the wall cutting the back of the last course so it fits tight – install Bird Stop – Ridge.
- If wall flashing is present, tuck Villa Channel behind existing flashing – cut panel into the Channel.

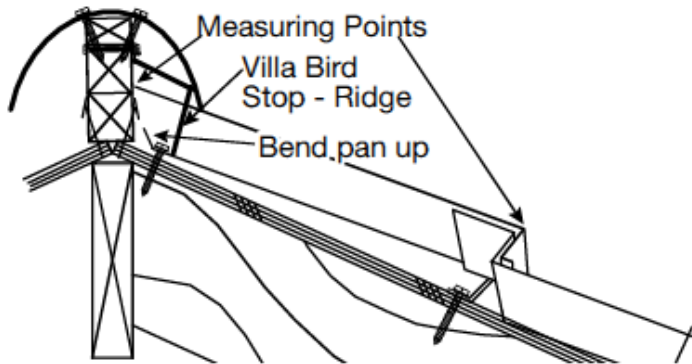


Panel Installation – Valley & Hip

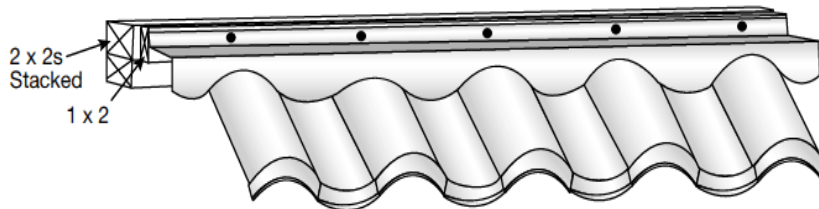
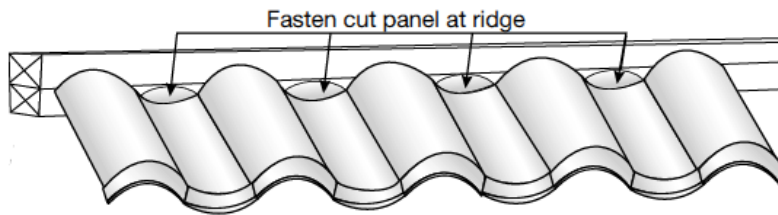
- Be sure to paint Villa Channel prior to installing panels.
- On Both sides of the hips or valley, cut panels to fit into the Villa Channel.
- Fit the panels into place and screw down.



Panel Installation - Ridge



- Install panels up to the 2 x 2s at the ridge – cut the back of last course so it fits tight against the stacked 2 x 2s – use a hand bender to turn up the pan portion.
- Install the Villa Bird Stop-Ridge by lining up with the back of the cut panel and attaching it to the stacked 2 x 2s – overlapping the last course.



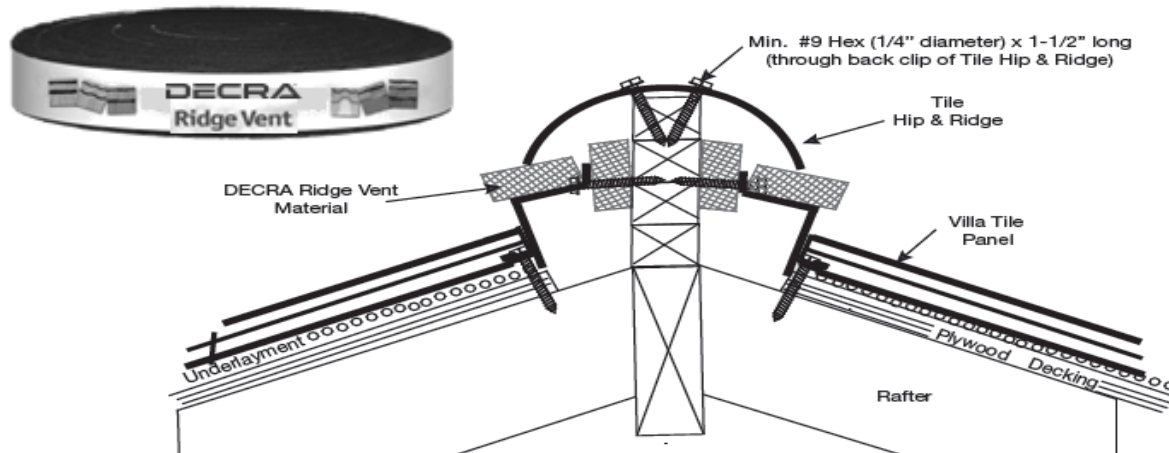
Hip & Ridge

- Install Hip and Ridge pieces along the rake/gables, hips and ridges. Overlap and fasten through top down into stacked 2x2s.
- Use a Tile End Cap to cover open end of Hip & Ridge pieces at fascia/Villa Bird Stop – Eave.



Ridge Venting

- If a vented ridge is desired, stack 2 x 2 battens and install along the length of the ridge, number of 2 x 2s will be determined by roof pitch. Use DECRA Ridge Vent and fasten to both sides of battens along the length of the ridge.
- Install Villa Bird Stop – Ridge along the ridge and attach to 2 x 2s fastening through the Ridge Vent material. Attach DECRA Ridge Vent along the top of Villa Bird Stop – Ridge.
- Cover the ridge with Tile Hip & Ridge.



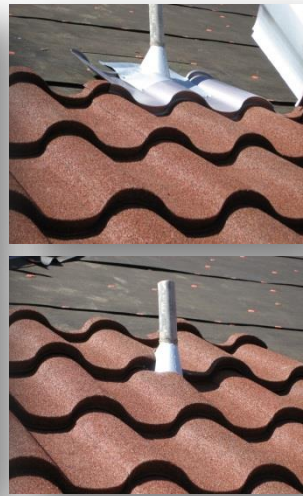
Panel Vent - Installation

- Install DECRA Villa Tile panels until you reach the approximate panel vent location. Carefully measure, mark and cut a rectangle hole 29" x 5" in the roof deck to match the opening of the underside of the DECRA Villa Tile Panel Vent. Install the panel vents as you would normal DECRA Villa Tile panels.



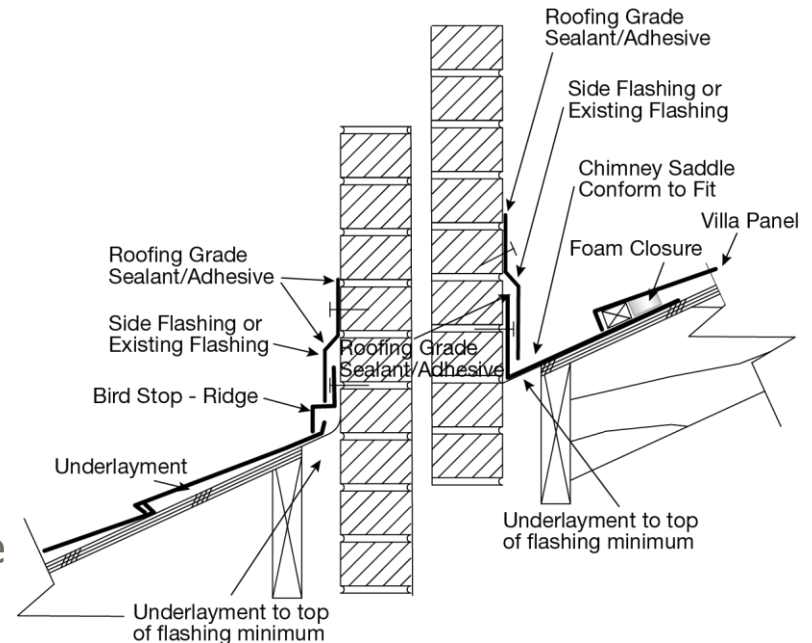
Penetrations

- Roof penetrations should be flashed with standard roof jacks over a Villa Underpan which drains over the panel immediately below.
- Cut the Villa Underpan to fit tightly around penetration. Fit the pipe flashing apron to the underpan applying roofing grade sealant to both sides.
- Finish by measuring and cutting panel to fit tight over flashing. align panel and seal around base. Use touch up kit as needed.



Chimney, Skylights & Dormers

- Starting below the chimney, Cut Panels to fit the area. Bend up and fasten panels – See Ridge Installation. Use Bird Stop Ridge at the back of the cut panels below the chimney.
- Use Villa Channel both sides and counter flash with side flashing or existing flashing.
- Area above the chimney must be flashed and counter flashed. Use a chimney saddle bent to fit around the chimney.



Additional Installation Details

- Where possible, Roofing Grade (Polyurethane) sealant / adhesive should be covered by roofing materials or by a matching stone granules.
- Sealant should not be used to refinished damaged panel surfaces.



- After Installation is completed, be sure to clean off ALL debris, ESPECIALLY any metal shavings.
- DECRA Touch Up Kits are available in all matching colors and should be used where it is necessary to touch up or repair panel finishes.

DECRA Villa Tile Capri Clay



DECRA Villa Tile Amalfi Sand



DECRA Villa Tile Pompeii Ash

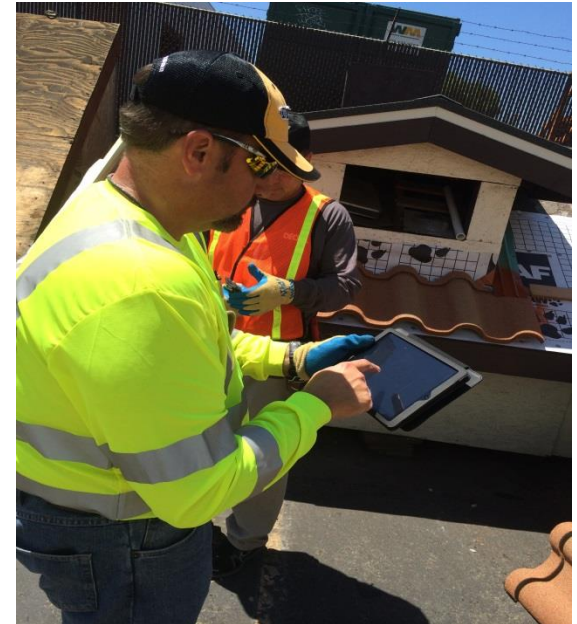


DECRA Villa Tile Venetian Gold



Helpful Tools

- Download literature & specs at bestbuymetals.com
- Request a free aerial quote from your rep using only your address
- Includes drawing and material quotation



Tips & Tricks

- Alternate installation direction every other course.
- Install panels from the middle out for long runs.
- Use a stitch screw at back flange overlap to “draw up” panel.
- Work into valleys and hips.
- Lower batten build up and notch Hip & Ridge at high points so the barrel fits tighter at low points.
- Weave jack in with paper when using Underpan.
- When cutting panel, cut through the back first – metal to stone coating.