



# INSTALLATION MANUAL

CF SLATE ON BATTENS

This installation guide outlines the recommended installation method for Gerard's CF Slate product range on battens. While this guide covers the majority of commonly referred-to roof details, it does not cover all areas of each individual roof. If uncertain of any roof detail, please contact us.

Please note that local building codes may have additional requirements not outlined in this document and will supersede these installation recommendations.

To get the best performance from your roof we recommend referring to our Roof Maintenance Guide and Gerard Warranty documents.



W: [www.gerardroofs.co.nz](http://www.gerardroofs.co.nz)

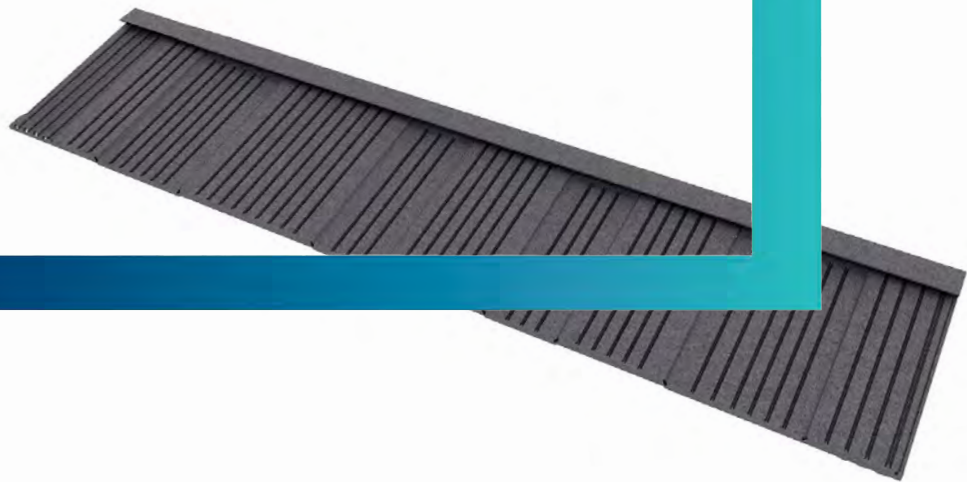
E: [customerservice@gerardroofs.co.nz](mailto:customerservice@gerardroofs.co.nz)

P: 0800 100 244

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# 01. PRODUCT INFORMATION



INSTALLATION MANUAL  
CF SLATE ON BATTENS

# PRODUCT SPECIFICATION

## CF SLATE



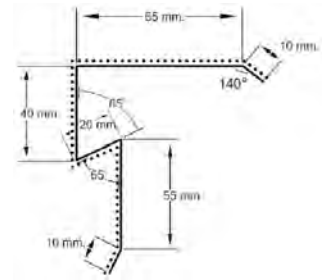
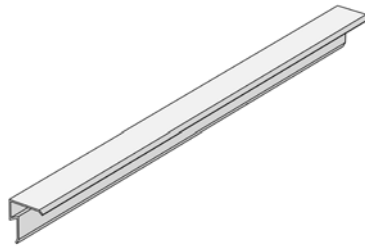
Overall Length	Cover Length	Width	Cover Width	Panels/sqm	Weight	Minimum Roof Pitch
1340mm	1250mm	295mm	250mm	3.2	6.4kg/sqm	15 °

## FASTENING REQUIREMENTS

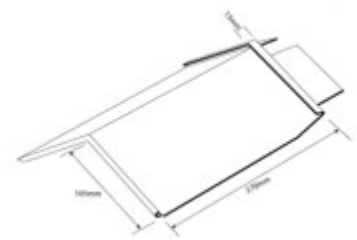
INSTALLATION OVER BATTENS		
Panel fastenings in Wind Zone up to and including High	8 nails/panel or 5 screws/panel	25mm x 3.05mm ring shank galvanised coil nails or #10 1-1/2 inch screws
Panel fastenings in Wind Zone up to and including Extra High	10 nails/panels or 5 screws/panel	25mm x 3.05mm ring shank galvanised coil nails or #10 1-1/2 inch screws

# ACCESSORY OVERVIEW

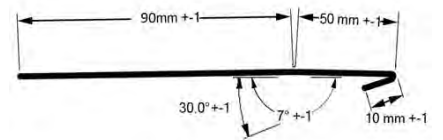
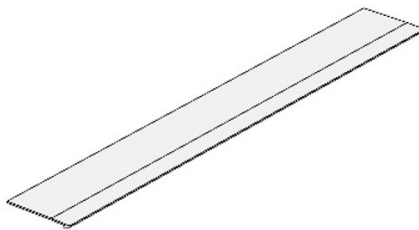
## 401 CF SLATE BARGE COVER



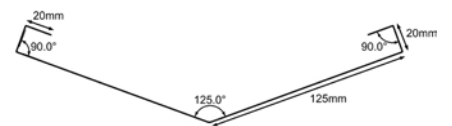
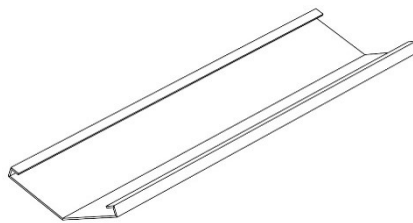
## 400 CF SLATE ANGLE TRIM



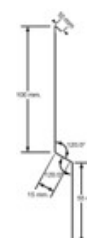
## 402 CF SLATE EAVES FLASHING



## 116 WIDE VALLEY

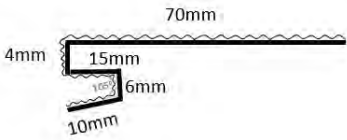
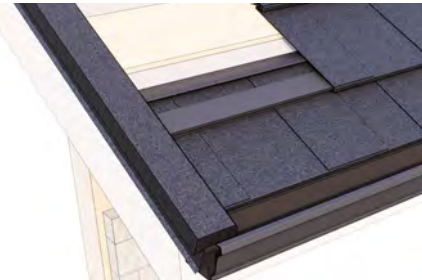


## 104 SIDE FLASHING



# ACCESSORY OVERVIEW

## 417 CF SLATE SHORTCOURSE

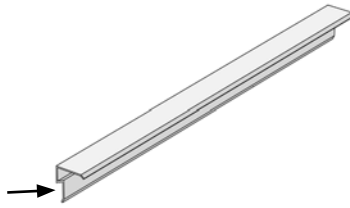


## 904 CF HIP UNDER CHANNEL



# FASTENER DETAILS

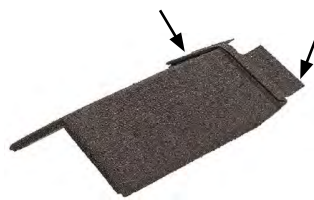
## 401 CF SLATE BARGE COVER



#10x1 1/2 " screws  
50mm 8D ring-shank nails

3x (1 at each lap, 1 in the middle)

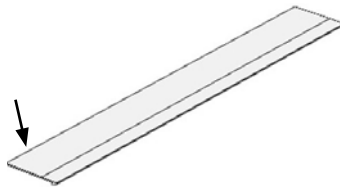
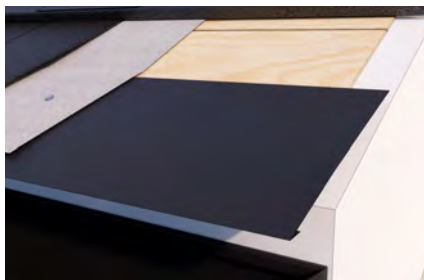
## 400 CF SLATE ANGLE TRIM



#10x1 1/2 " screws  
50mm 8D ring-shank nails

2x (1 in each tab)

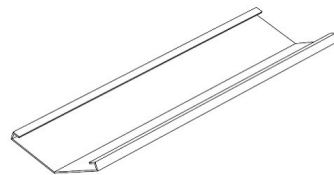
## 402 CF SLATE EAVES FLASHING



#10x1 1/2 " screws  
50mm 8D ring-shank nails

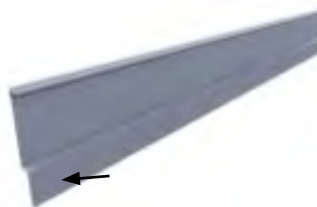
8x @300mm centres

## 116 WIDE VALLEY



Valley is held in place with clip or nail bent over the top of the valley

## 104 SIDE FLASHING



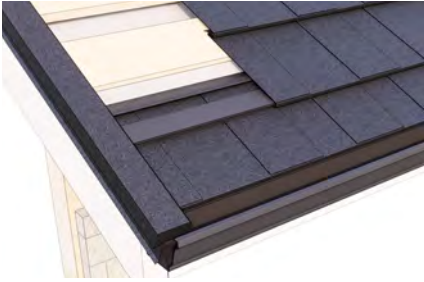
#10x1 1/2 " screws  
50mm 8D ring-shank nails

4x @ 500mm centres



# FASTENER DETAILS

## 417 CF SLATE SHORTCOURSE



#10x1 1/2 " screws  
50mm 8D ring-shank nails

6x @ 300mm centres

## 904 CF HIP UNDER CHANNEL



#10x1 1/2 " screws with washers  
8D ring-shank sealure nails

6x @300mm centres

# RECOMMENDED TOOLS



Tape Measure



Silicone Gun



Nail Gun



Hammer



Impact Driver or Drill



Soapstone



Snips



Bender



Handbender



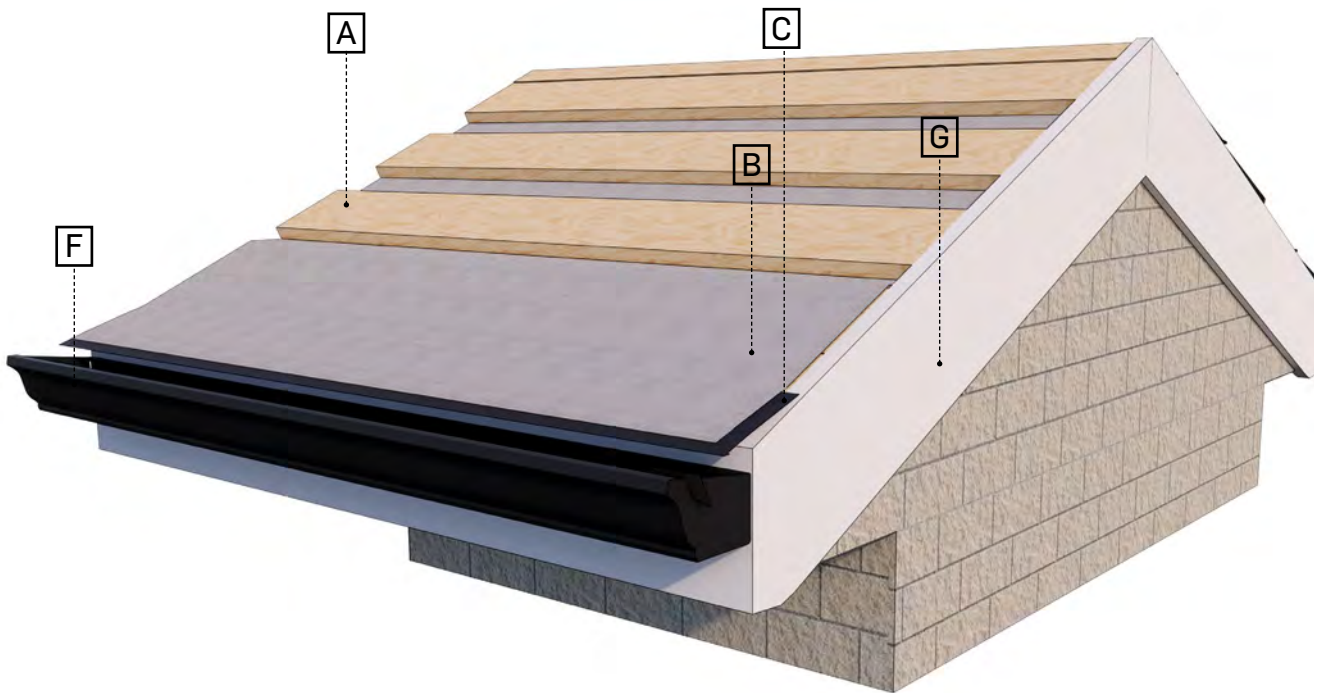
Guillotine

## 02. BATTEN SET OUT



INSTALLATION MANUAL  
CF SLATE ON BATTENS

# CF SLATE BATTEN LAYOUT

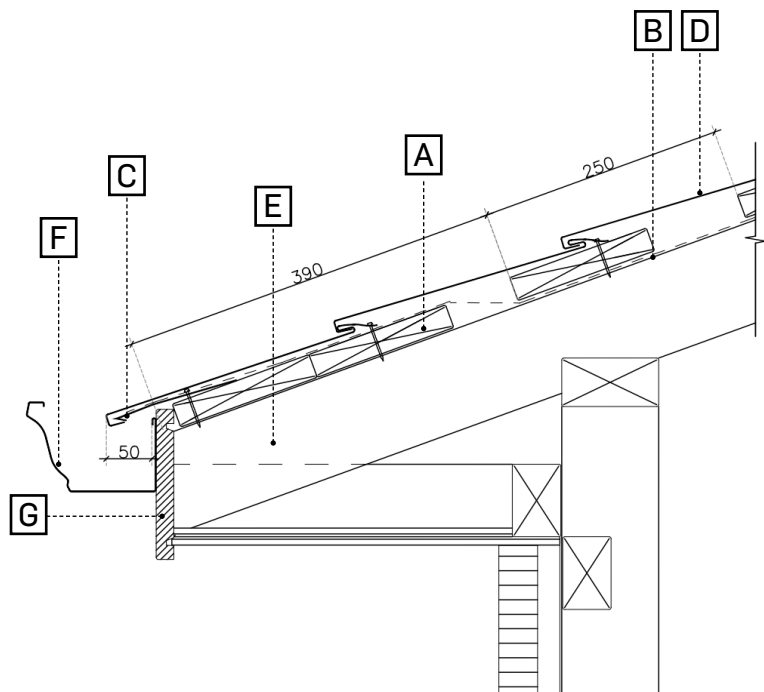


## COMPONENTS

- A. 150x25mm battens
- B. Underlay
- C. 402 CF Slate Eaves Flashing
- D. CF Slate panel
- E. Rafter
- F. Gutter
- G. Fascia board

## BATTEN SPACING

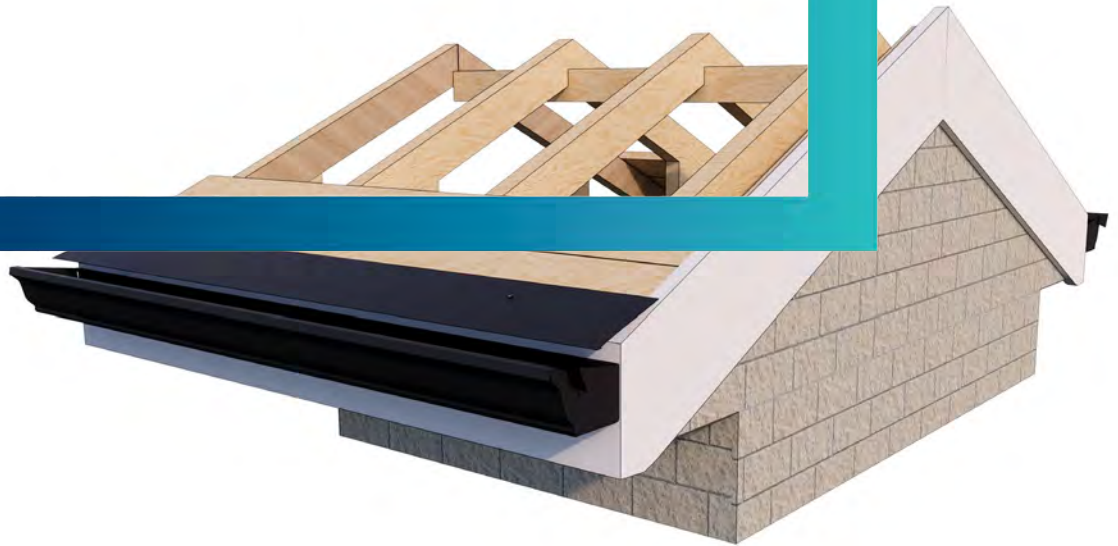
- 1st batten: Fix at fascia
- 2nd batten: Directly behind 1st batten
- 3rd batten: 390mm from front of fascia
- Subsequent battens: 250mm spacing



## WIND ZONES

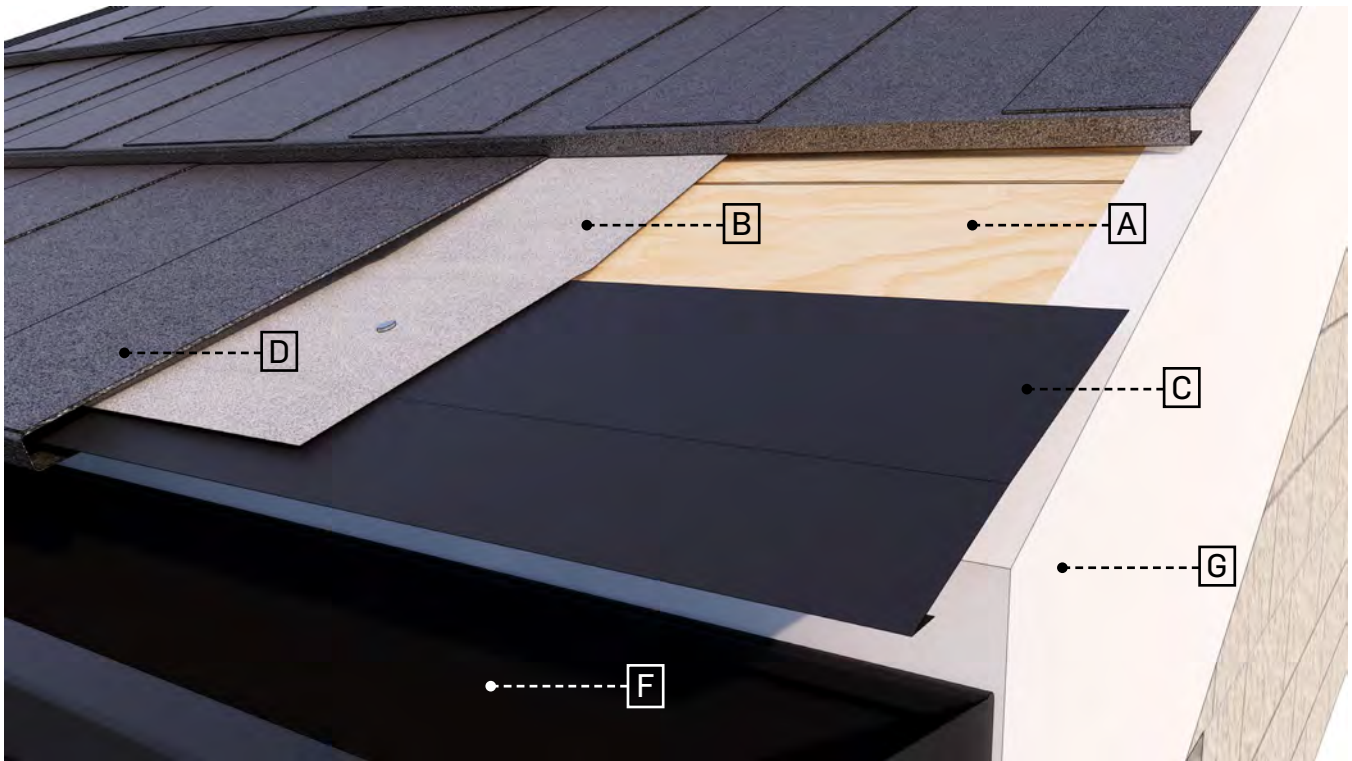
When fixed in accordance with Gerard's systems specifications, the CF Slate panel is suitable for use in all NZS 3604 wind zones, up to and including Extra High. In NZS 3604 Very High building wind zones, 150x25mm battens are to be secured using 2x90x3.15 power driven nails for the main & periphery roof areas. For Extra High Wind Zones 10g self-drilling screws (80mm long) must be used to fix battens to trusses.

# 03. EAVES INSTALLATION



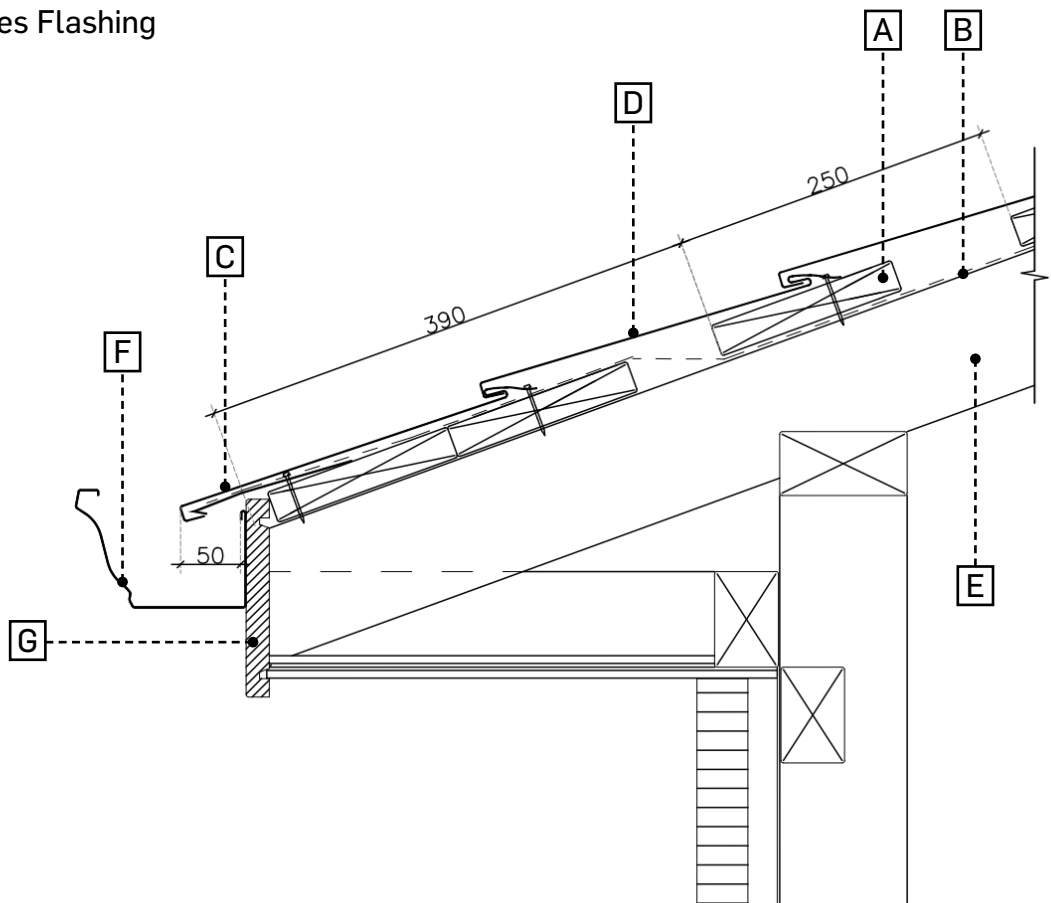
INSTALLATION MANUAL  
CF SLATE ON BATTENS

# EAVES DETAIL



## COMPONENTS

- A. 150x25mm battens
- B. Underlay
- C. 402 CF Slate Eaves Flashing
- D. CF Slate panel
- E. Rafter
- F. Gutter
- G. Fascia board



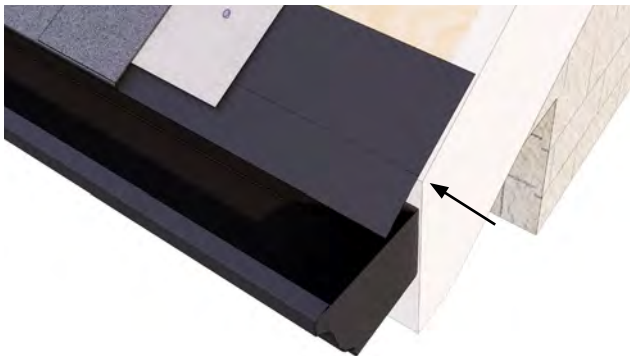
# EAVES FLASHING INSTALLATION

## SETTING OUT

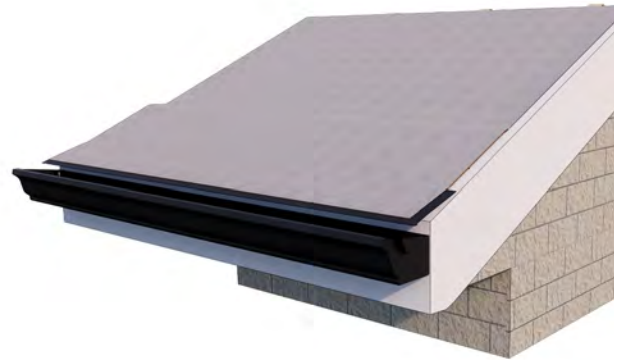
Install the first two rows of battens at the eaves.



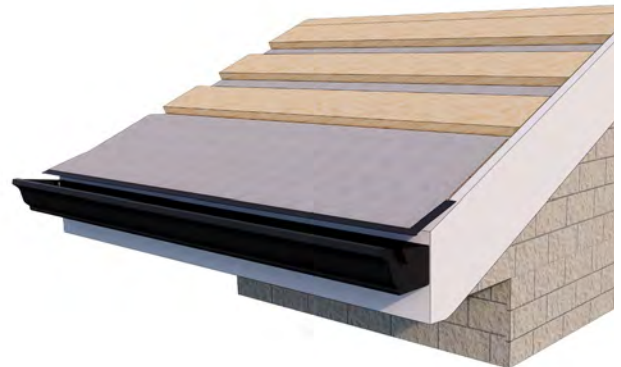
Fix the eaves flashing onto the first batten with a minimum 40mm overhang from the fascia into the gutter. This can be achieved by aligning the bend in the eaves flashing to the outside edge of the fascia. Fix with a fastener every 400mm across the eaves flashing.



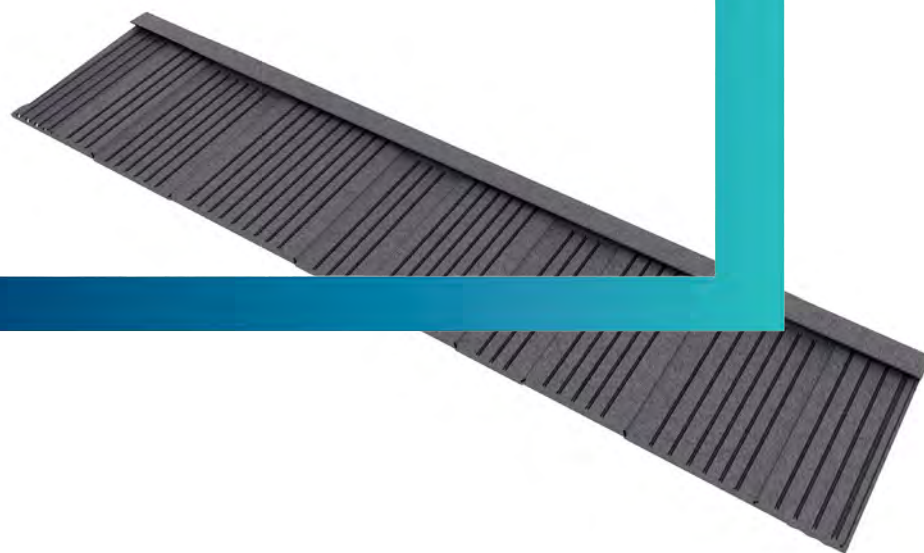
Pinout and fix underlay to the roof, with the overlay on top of the already fixed battens and eaves flashing. Underlay should finish 10mm short of the edge of the eaves flashing.



Finish installing battens up the plane of the roof.



# 04. PANEL INSTALLATION



INSTALLATION MANUAL  
CF SLATE ON BATTENS



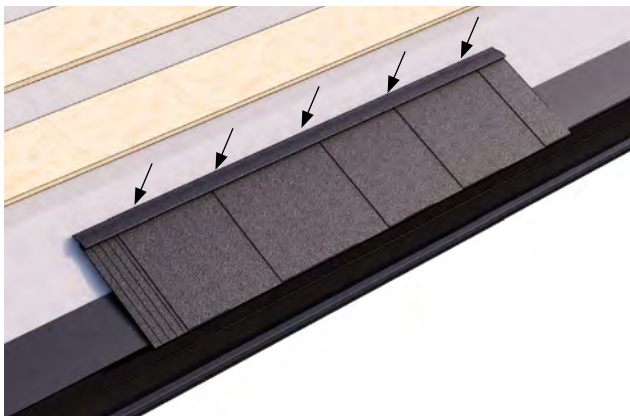
# PANEL INSTALLATION

## METHOD

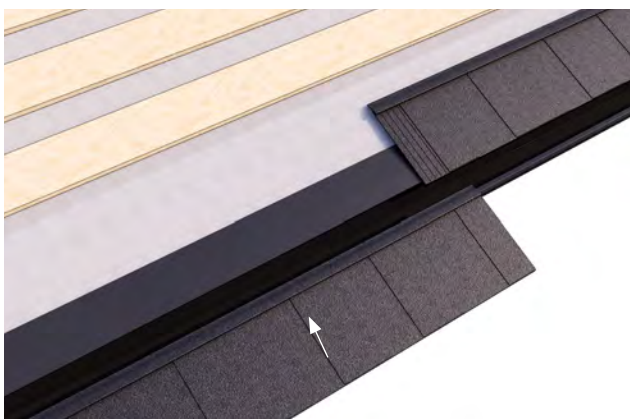
Hook the nose of the first panel to the already installed 402 CF Slate Eaves Flashing. Start from the right side of the course.



Secure the panel with five fasteners evenly spaced at the head of the panel.



After installing the first panel, use the same method to fit the second panel over the first, overlapping at the weather channel. Push the panel upwards to secure in place, then fix with five fasteners.



After installing the first course, fit the second course by hooking the nose of the second course panel into the rear head check. Stagger the panels to give an irregular pattern across the roof.

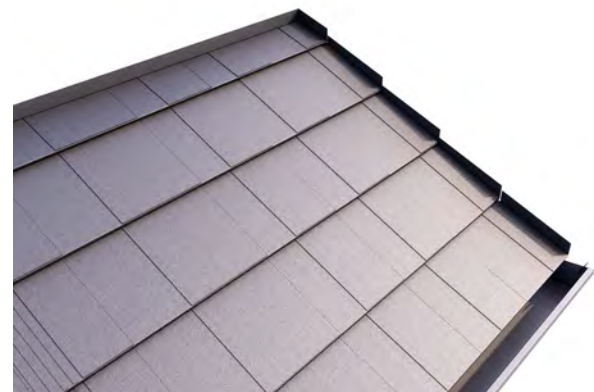
Push the panel upward to ensure full contact along the panel, then secure the panel with five fasteners.

Repeat across and up the plane of the roof.



## UPSTAND

Turn up panels a minimum of 40mm at side walls and top course.

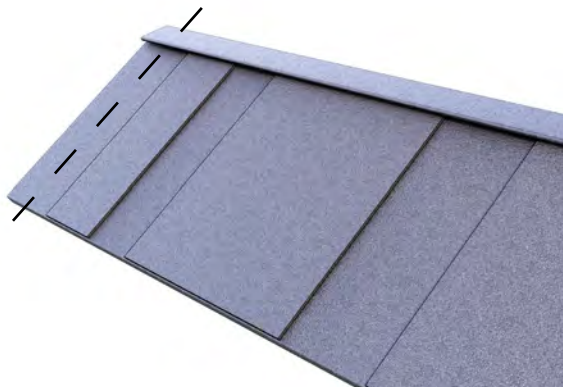


# COMMON CUT GUIDE

## SIDE BEND

Cutting correctly for side bends is critical as crushing will prevent the next course from being able to interlock into the head of the panel.

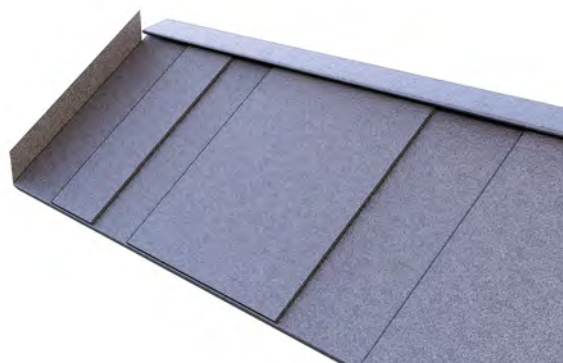
Measure your bend line from the edge of the panel nose and head. There should be a minimum of 40mm from the edge.



Cut the fold of the panel's nose, cutting the underside only, then snip the head fold partway through.

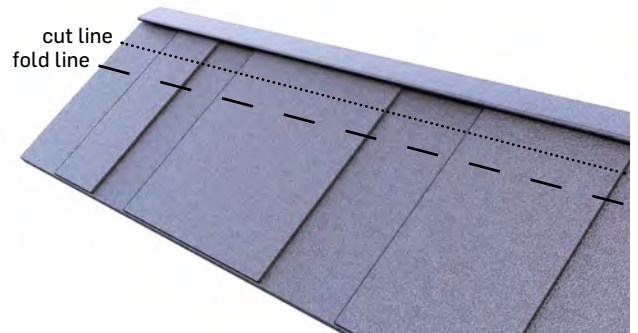


Then bend the side end of the panel to create a 40mm upstand. When installing the next course, add a bead of silicone to the join.

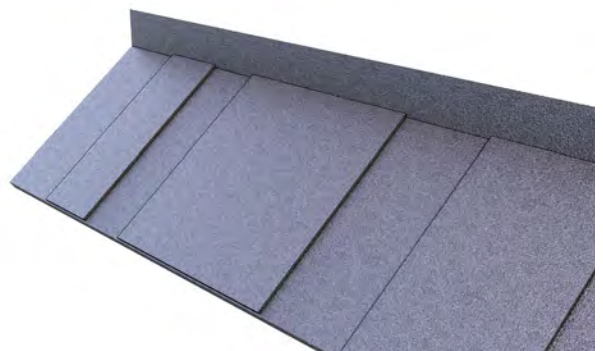


## HEAD BEND

Measure your bend line from the nose of the panel up to the head of the panel. Mark out your cut line and your bend line. Your bend line should be a minimum of 40mm from the cut line.



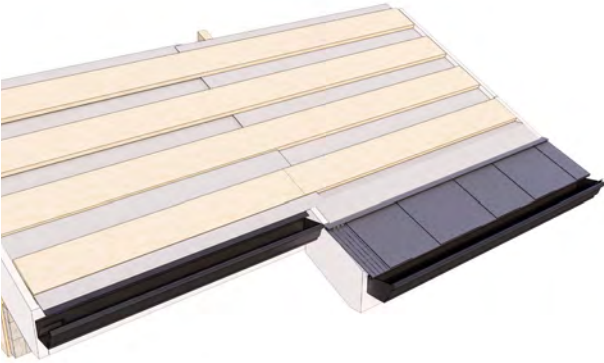
Cut your panel along the cut line. Then bend the head of the panel to create a minimum of 40mm upstand against the wall or support nog.



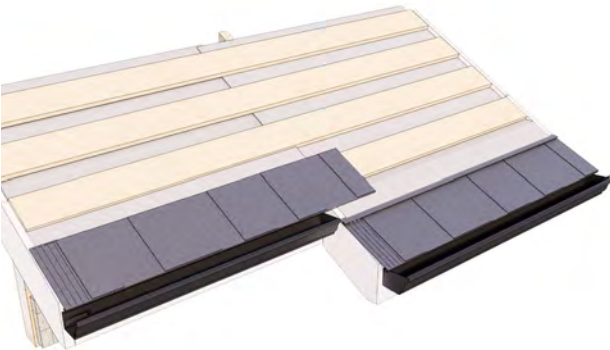
# SHORT COURSE INSTALLATION

## METHOD

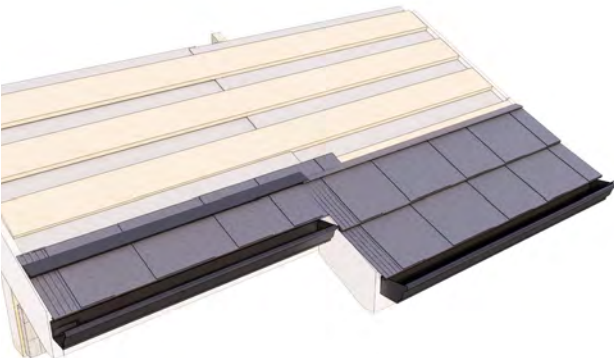
Prepare your roof area by installing underlay, battens, fascia, gutter, and eaves flashing. Install full roof panels up to the change in roof eaves.



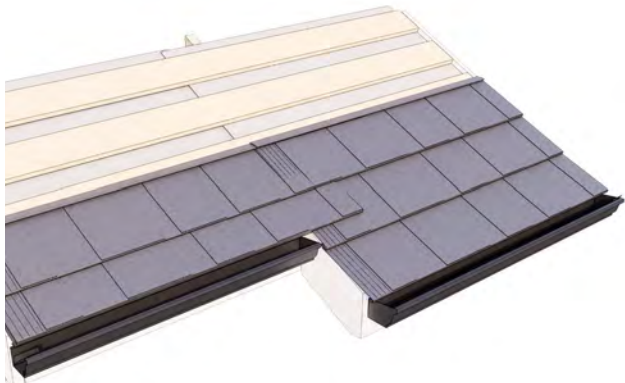
Measure and cut the head off the first course of panels at the short edge of the roof. The head should align with the head of the already-installed panels. Hook the nose over the eaves flashing and fasten in place.



Fasten the shortcourse flashing in place, in alignment with the head check of the already-installed panels.



Install the second course of panels.



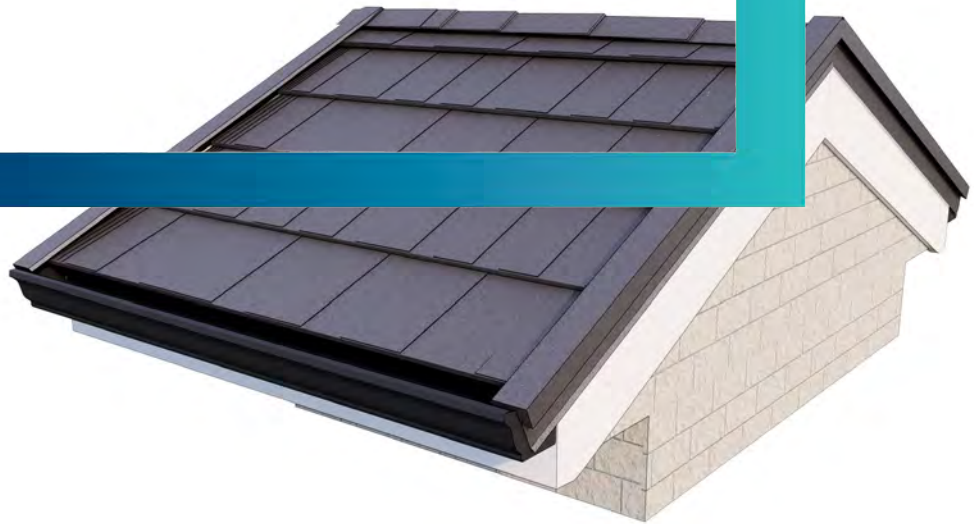
Install the rest of the panels and then finish with the barge cover and ridge trims.



See below for a cutaway of the shortcourse setup.

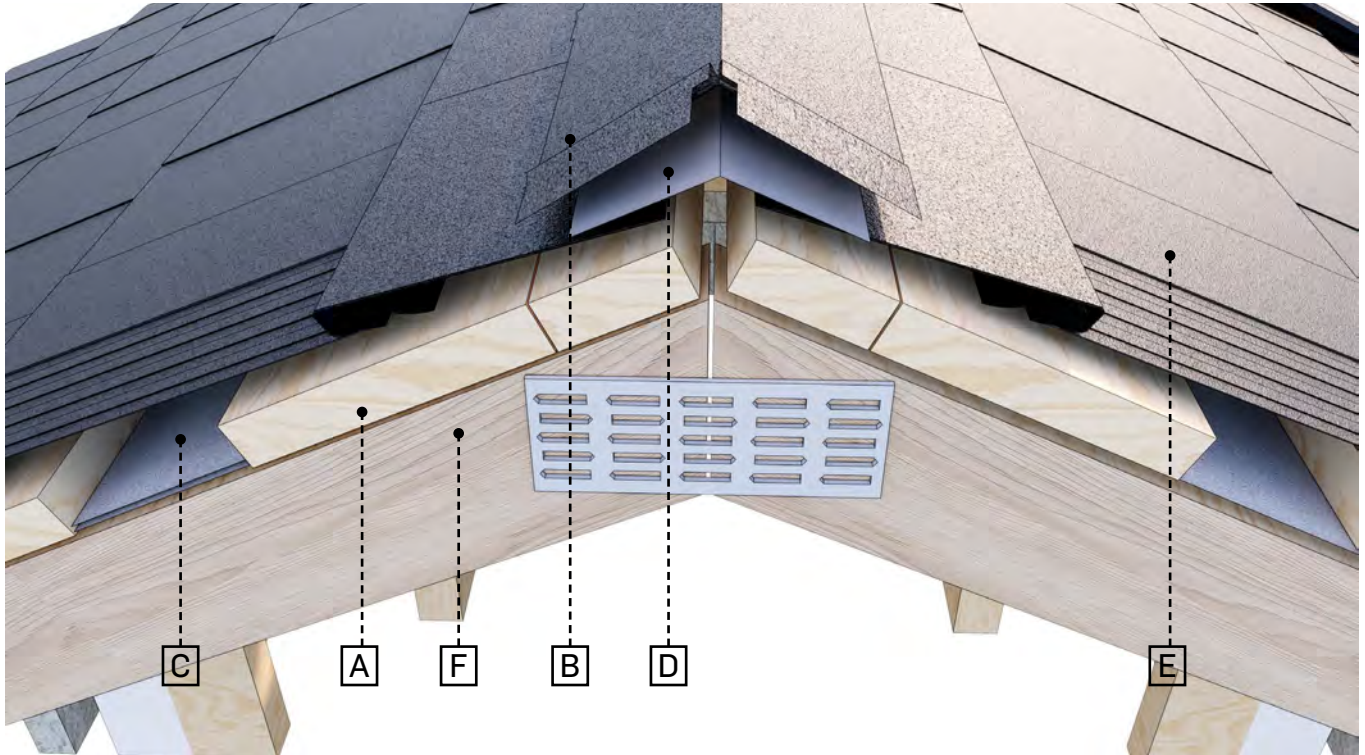


# 05. AREA SPECIFIC DETAILS



INSTALLATION MANUAL  
CF SLATE ON BATTENS

# RIDGE DETAIL



## COMPONENTS

A. 150x25mm battens

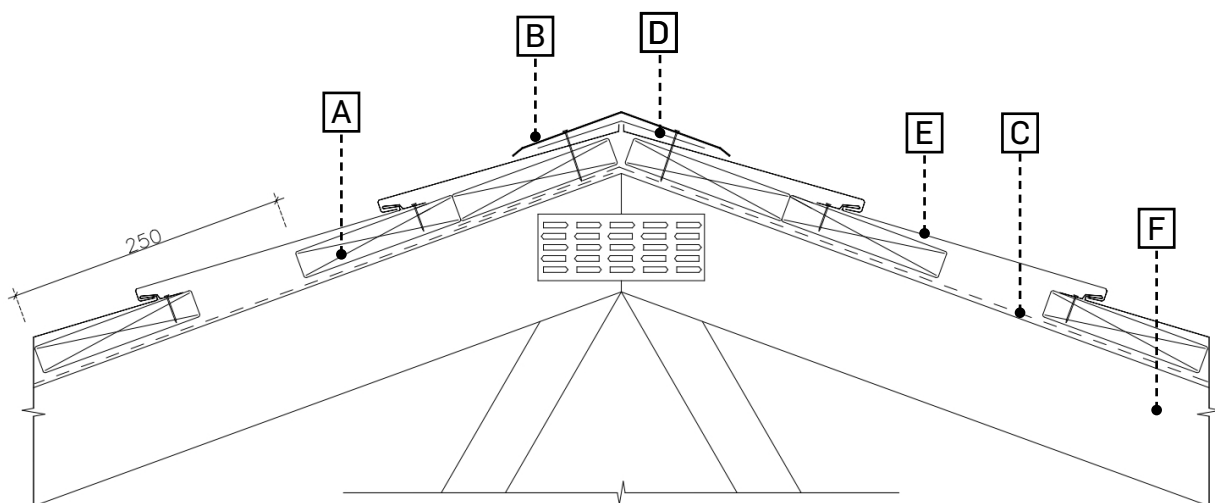
B. 400 CF Slate Angle Trim

C. Underlay

D. Aluband 150mm

E. CF Slate panel

F. Rafter



# RIDGE INSTALLATION

## SETTING OUT

Lay out your first two rows of battens at the eaves as specified in the Batten Set Out section.



Install the eaves flashing.



Install underlay across the roof and fasten 150x25mm battens over the underlay. Underlay should be draped over the top of the already-installed battens at the eaves.



## TILE INSTALLATION

Install your panels, starting at the eaves. Work your way up to the ridge, leaving a 5 – 10mm gap between the panels from both planes of the roof.



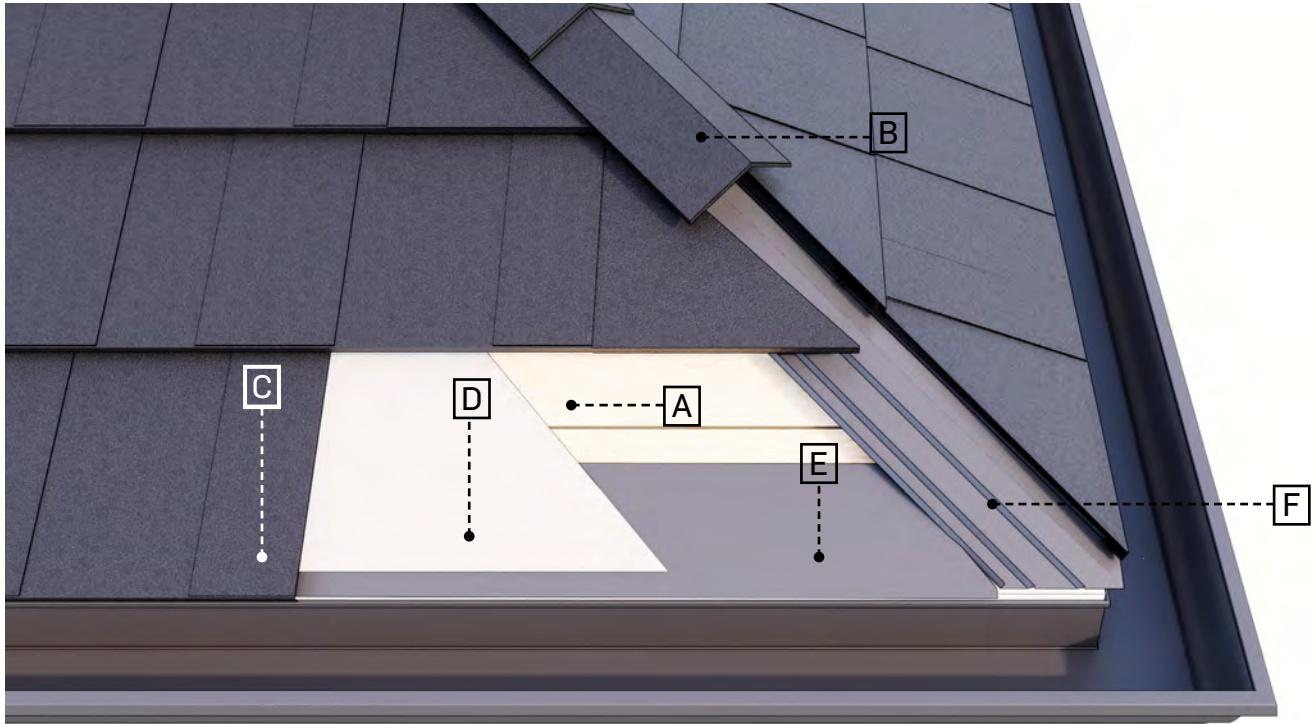
Apply Aluband to the gap in the ridge.



Install the barge covers over the barge, then install the trims at the ridge.



# HIP DETAIL



## COMPONENTS

A. 150x25mm battens

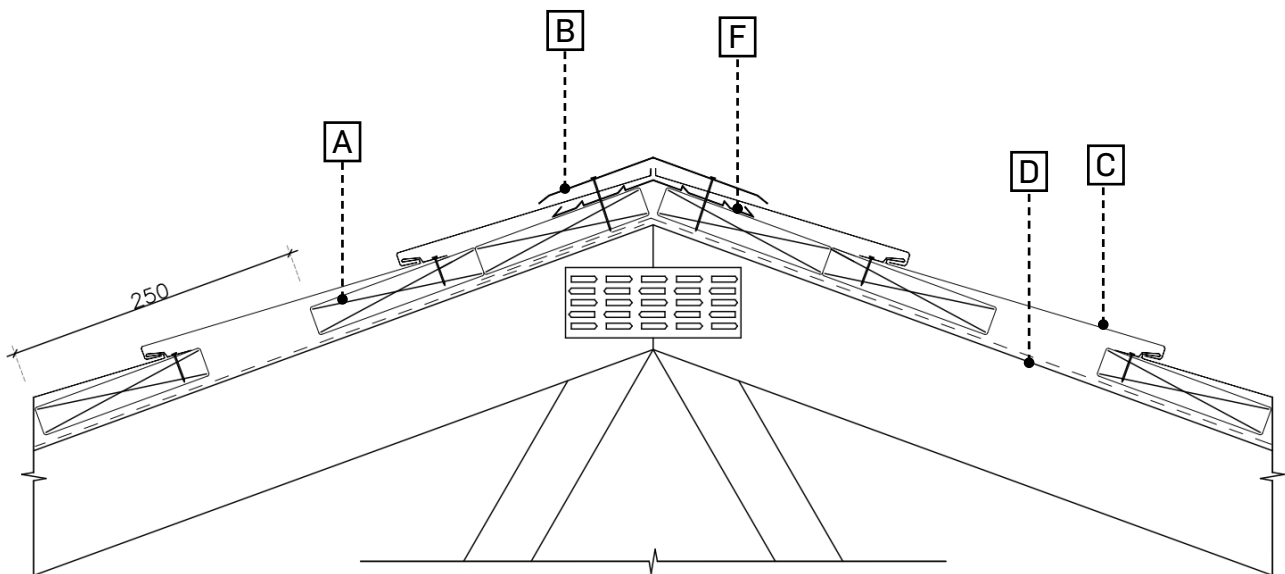
B. 400 CF Slate Angle Trim

C. CF Slate panel

D. Underlay

E. 402 CF Slate Eaves Flashing

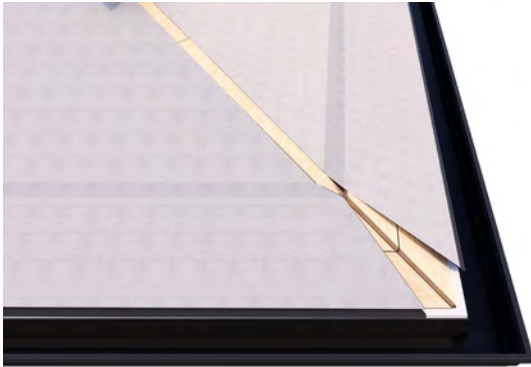
F. 904 CF Hip Under Channel



# HIP INSTALLATION

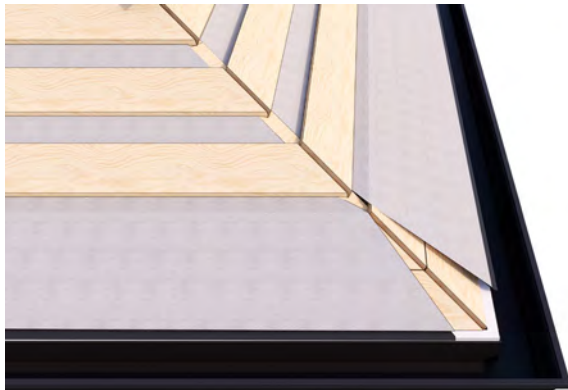
## SETTING OUT

Lay out your first two rows of battens at the eaves. Install the eaves flashing at the eaves. Then install underlay across the roof.



Fasten 150x25mm battens over the underlay.

Underlay should be draped over the top of the already-installed batten/s at the eaves.



## INSTALLATION

Starting at the eaves fix the hip under channel to the hip of the roof.



Screws or nails should be fixed to the battens through the farthest edge, avoiding the weather channels.



Install your panels, starting at the eaves.



Install trim.

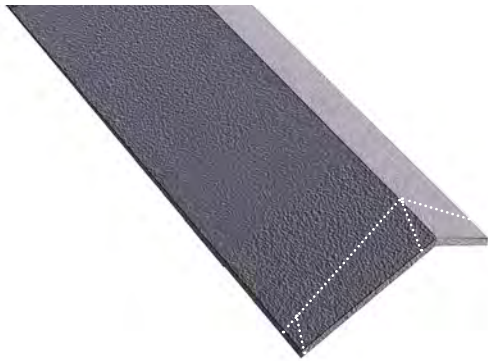




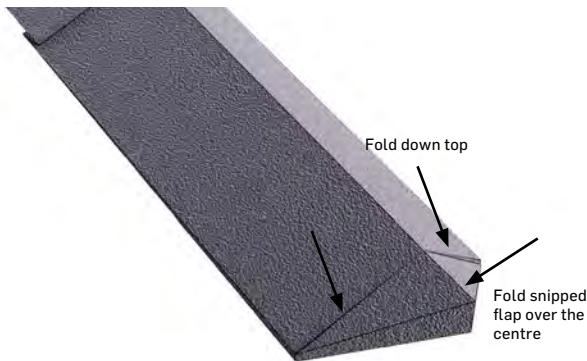
# TRIM INSTALLATION

## CUTTING AND FOLDING

Prepare your first trim for installation. Using a 400 CF Slate Angle Trim, cut the fold of the nose off. Then cut the in the middle, slightly off-centre, and on the sides of the nose.



Fold the top down, overlapping the centre point to create a clean front.



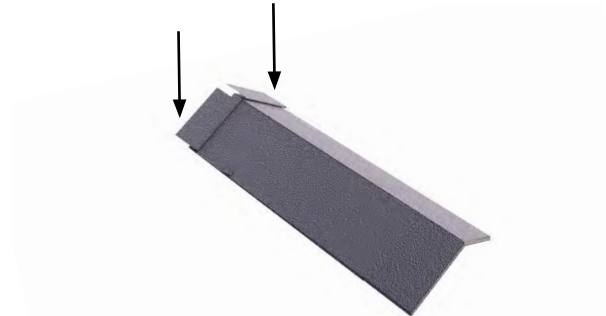
Fold in the edges if required. Trim off excess if required.

## INSTALLATION - HIP

Cut and fold the first trim to fit into the corner of the roof. Fasten into the hip under channel with a fastener in each tab at the head of the trim.



Take care to fasten at the outside edge of the tabs to avoid penetrating the weather channels of the under channel.



Hook the next trim into the installed trim's head and fasten, making your way up the hip.

## INSTALLATION - RIDGE

Starting at the barge, cut the nose off the trim. This allows for the trim to fit between the ridge and barge cover. Fit the nose under the barge cover. Fasten using the tabs at the head of the trim.



Hook the nose of the next trim into the head fold of the already-installed trim, then fasten to the battens at the ridge. Continue this method along the ridge.

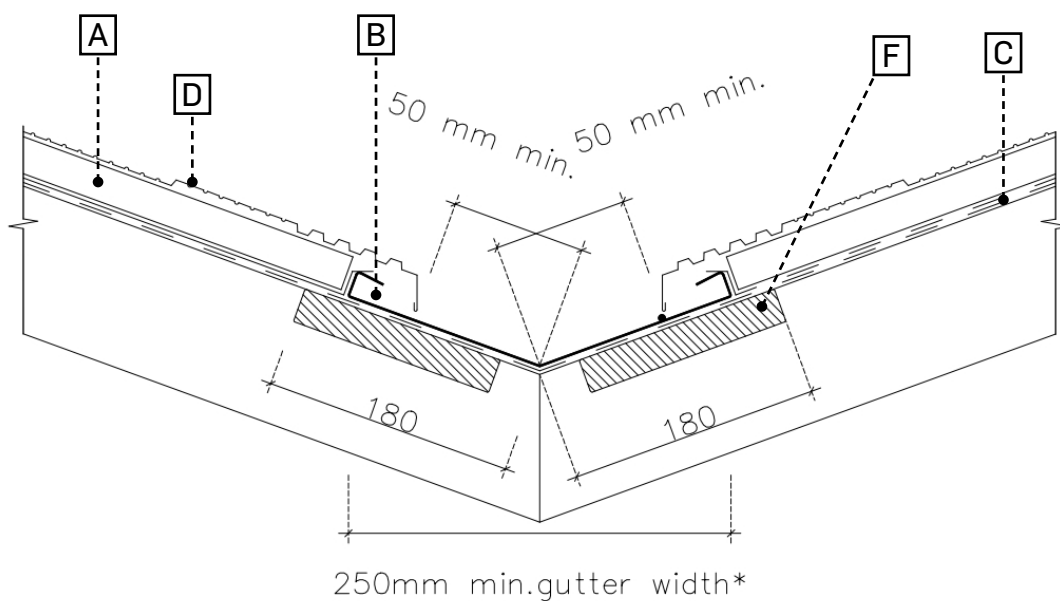
# VALLEY DETAIL



## COMPONENTS

- A. 150x25mm battens
- B. 116 Valley Wide
- C. Underlay
- D. CF Slate panels
- E. Gutter

- F. Valley board (by builder)
- G. 402 CF Slate Eaves Flashing

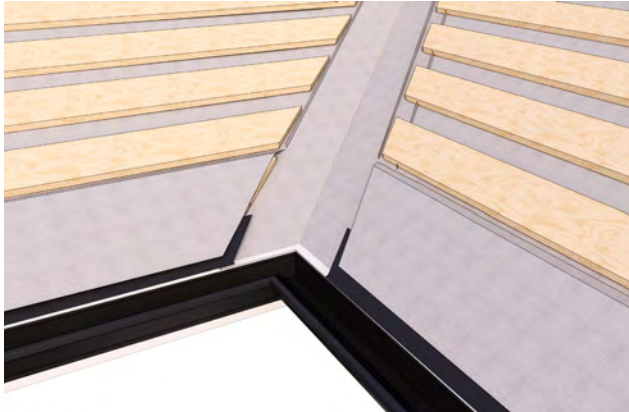


**Note:** Valley trays are held in place with a clip or nail bent over the top of the valley. Do not nail inside the valley.

# VALLEY INSTALLATION

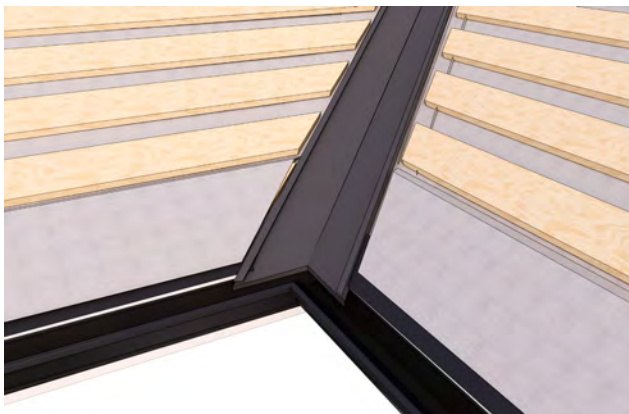
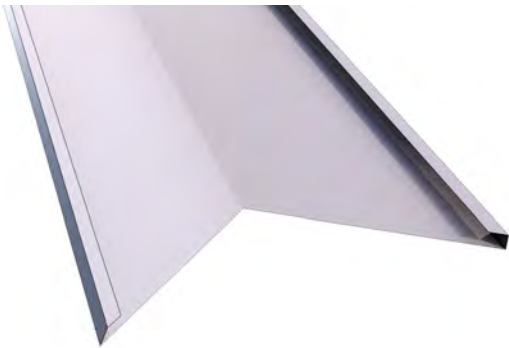
## SETTING OUT

Valley boards should be installed by the builder. Install the eaves flashing. Pin out and install the underlay. Install the battens over the plane of the roof.



## INSTALLATION

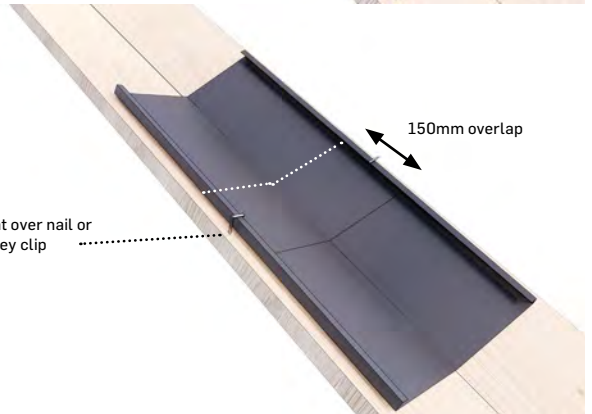
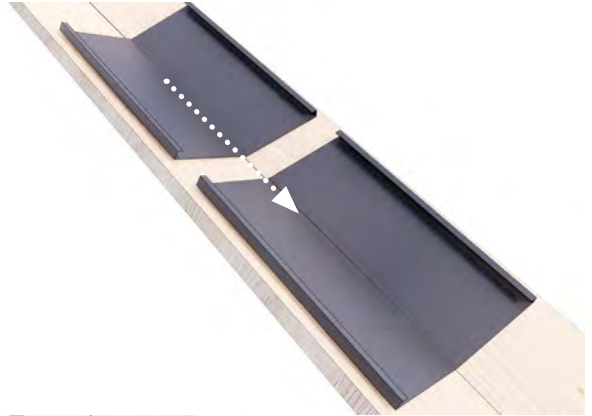
Prepare the first valley tray by cutting and folding the edge to turn down into the gutter. The valley should be positioned a minimum of 40mm from the edge of the fascia for sufficient overhang.



Using a nail or valley clip, secure the valley tray into place. If using nails, ensure you do not penetrate the valley by bending nails over the rail, rather than screwing through

the valley tray.

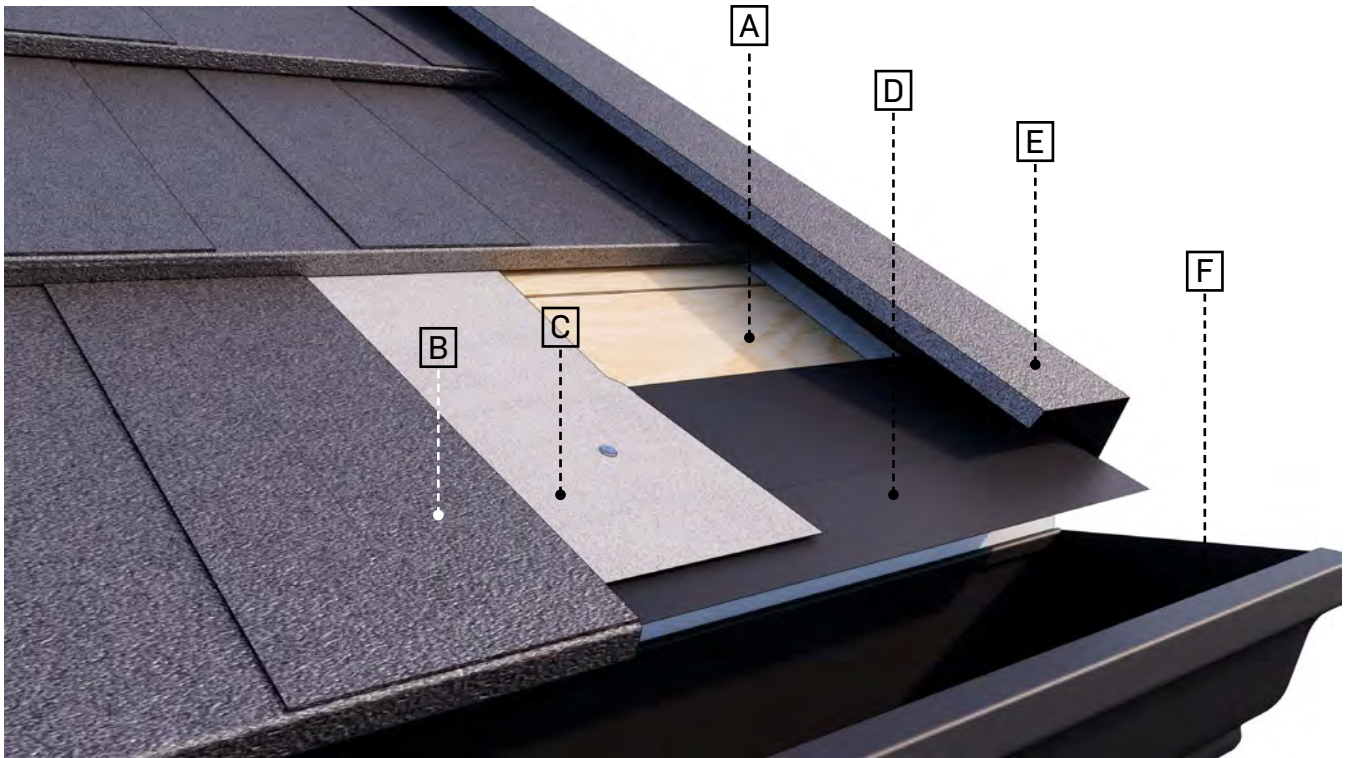
Slide the second valley tray into the first. Add silicone between the trays, across the entire width. The valley trays should overlap by 150mm.



Install CF Slate panels up the roof, starting at the eaves. When the valley is reached, turn down the sides of the panel into the valley, ensuring a minimum of 50mm space between the panels on opposing sides of the valley. The cut edges of the turn down should have a minimum clearance of 20mm and must not touch the valley.

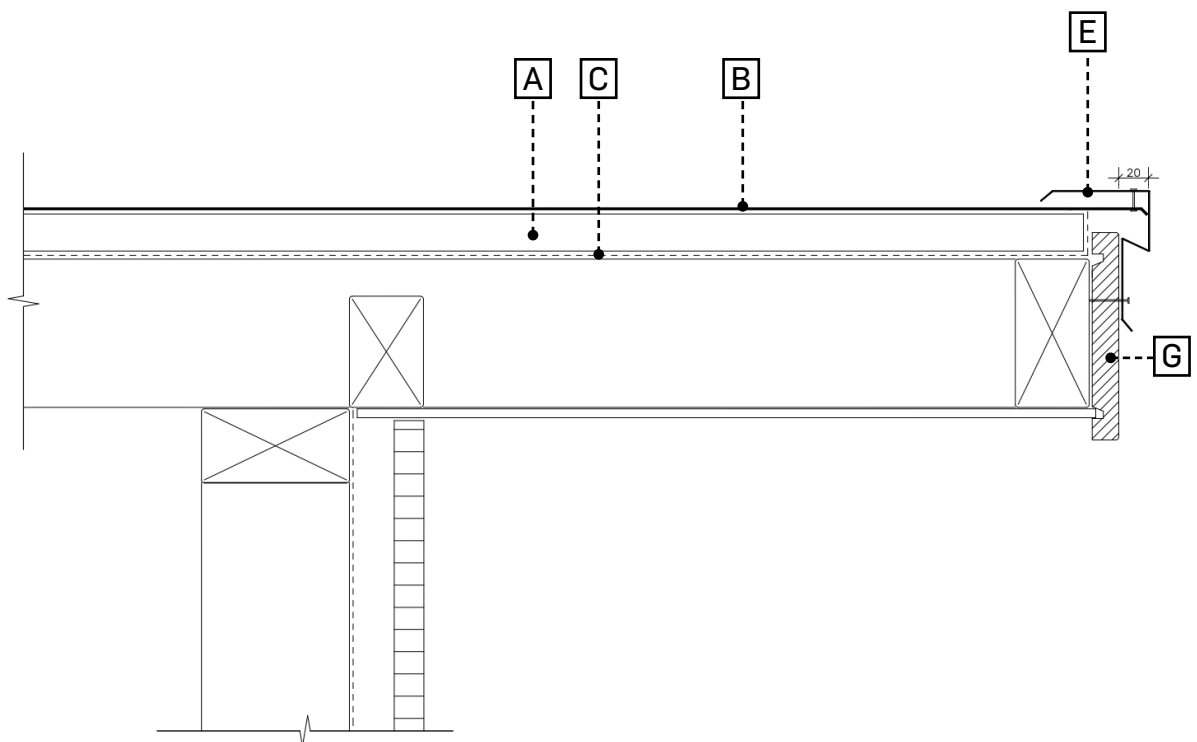


# BARGE DETAIL



## COMPONENTS

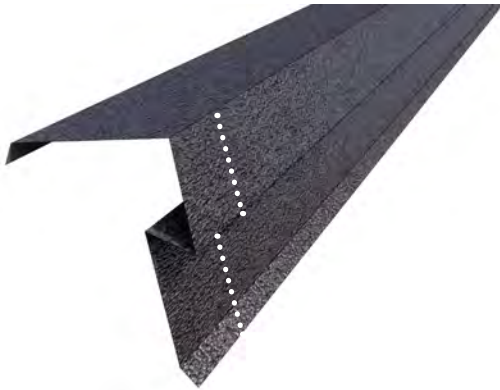
- A. 150x25mm battens
- B. CF Slate panels
- C. Underlay
- D. 402 CF Slate Eaves Flashing
- E. 401 CF Slate Barge Cover
- F. Gutter
- G. Fascia



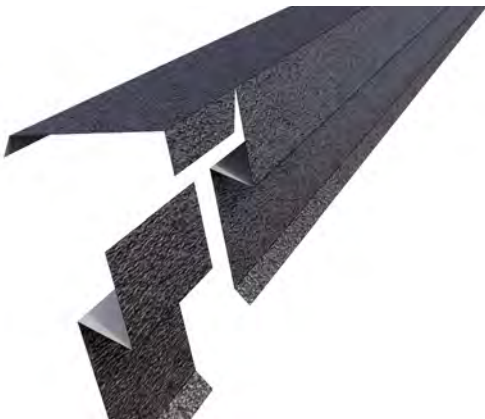
# BARGE INSTALLATION

## CUTTING AN END

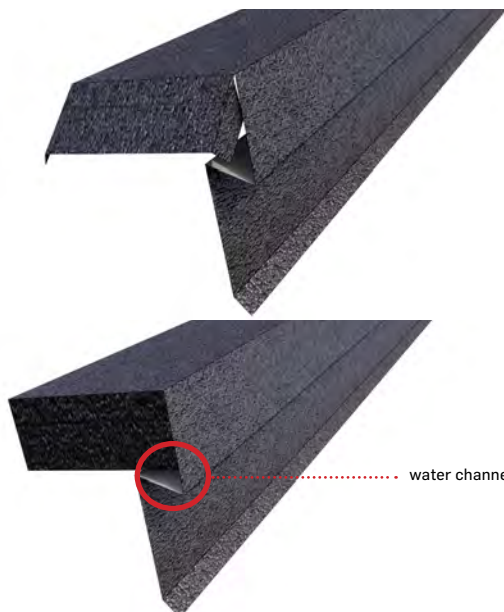
Measure 55mm (approx.) from the front of the barge cover. Cut up the long edge of the cover.



Make a horizontal cut to remove the bottom part of the newly-created flap.



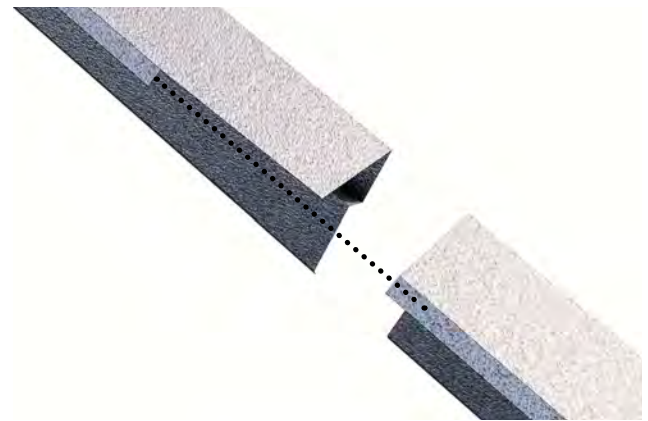
Fold the front down creating a box-end taking care to leave the face of the water channel open.



## NOTCHING – BARGE COVER

Cut a 100mm notch from the end of the barge cover. Cut off the excess from the notch. This makes it easy to fit subsequent pieces into already installed barge cover pieces.

Slide inside the first barge cover with an overlap of 100mm.



## INSTALLATION

Turn down the CF Slate panels 10mm at the barge. Align the barge cover to the edge of the fascia with the top covering the CF Slate panels. Fix horizontally at the bottom of the barge cover into the fascia, taking care to avoid the water channel.

Rivet the top of the barge cover to the CF Slate panel above the water channel. Remove swarf and silicone the rivet. Use a touch up kit to apply colour and stone chip in a matching colour to the rivet.

# BARGE INSTALLATION

## INSTALLATION

Install the underlay, battens, and panels.



Create a 20mm turn down of the panels at the barge by 10 degrees.



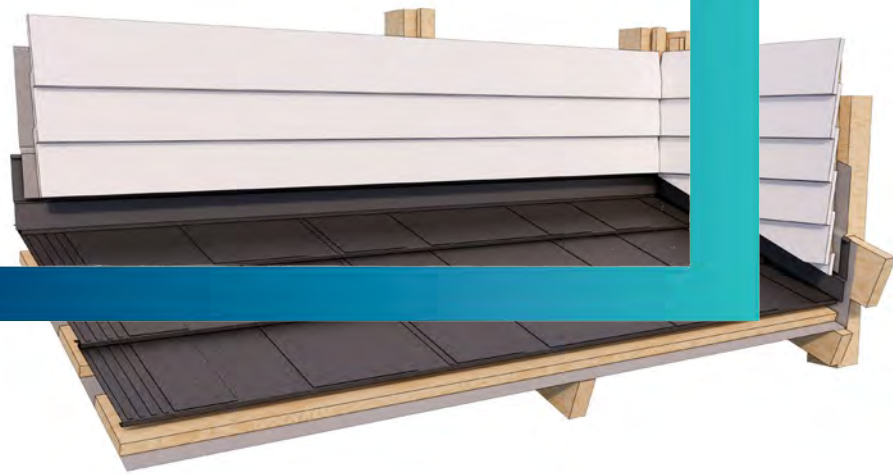
Install the barge covers.



See a cut-away of the barge setup below.

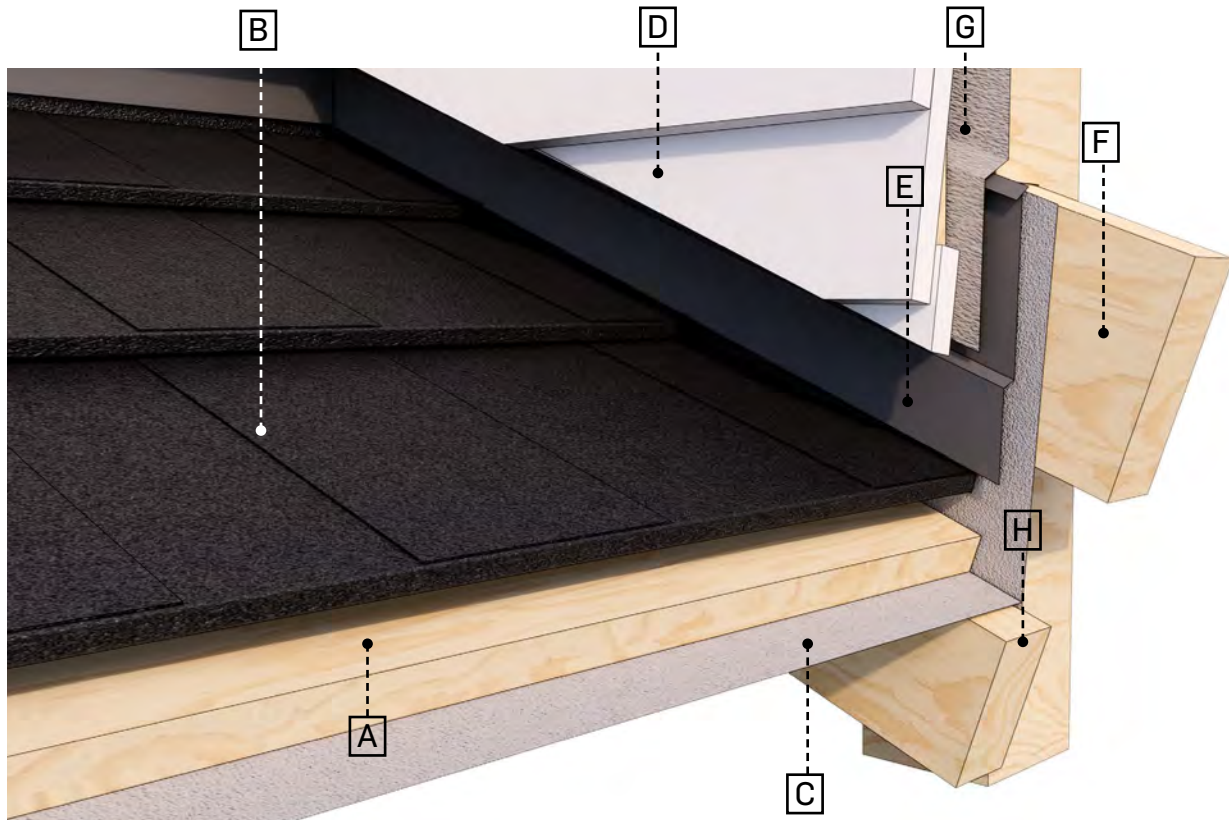


# 06. WALL JUNCTIONS



INSTALLATION MANUAL  
CF SLATE ON BATTENS

# SIDE WALL DETAIL



## COMPONENTS

A. 150x25mm battens

B. CF Slate panels

C. Underlay

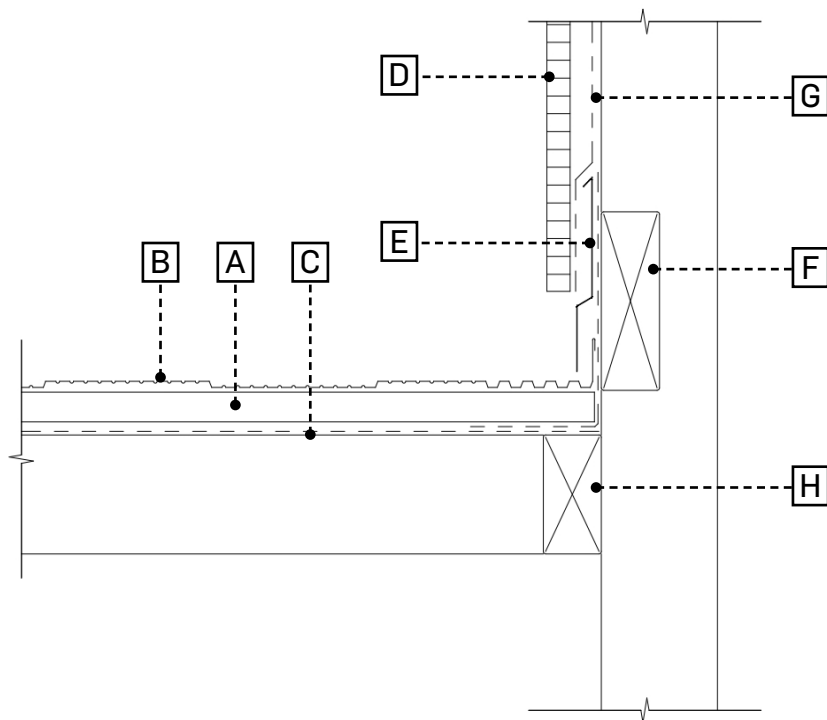
D. Wall cladding (by builders)

E. 104 Side Flashing

F. Support nog (by builders)

G. Wall underlay (by builders)

H. Rafter





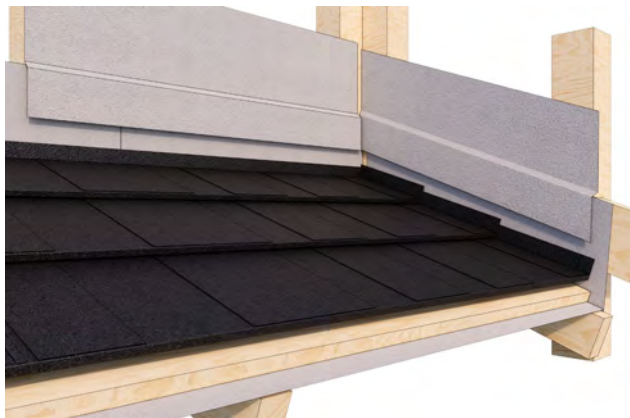
# SIDE WALL INSTALLATION

## INSTALLATION

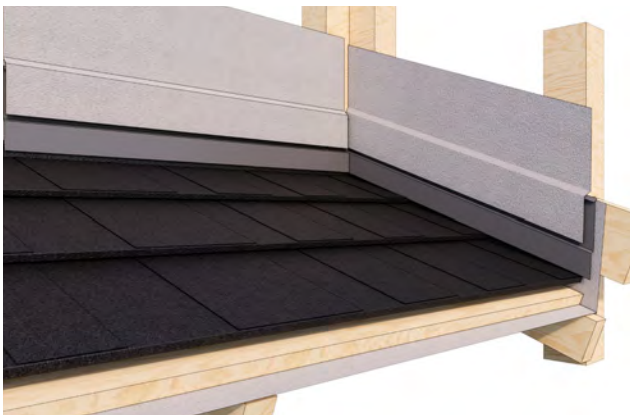
Roof framing, support nogs, and wall underlay are installed by builders. Pin out roofing underlay, ensuring enough underlay is available to line the wall above the side flashings. Fix 150x25mm battens over the top of the roof underlay.



Install CF Slate panels up the roof, starting at the eaves. When a wall is met, create an upstand of at least 40mm.

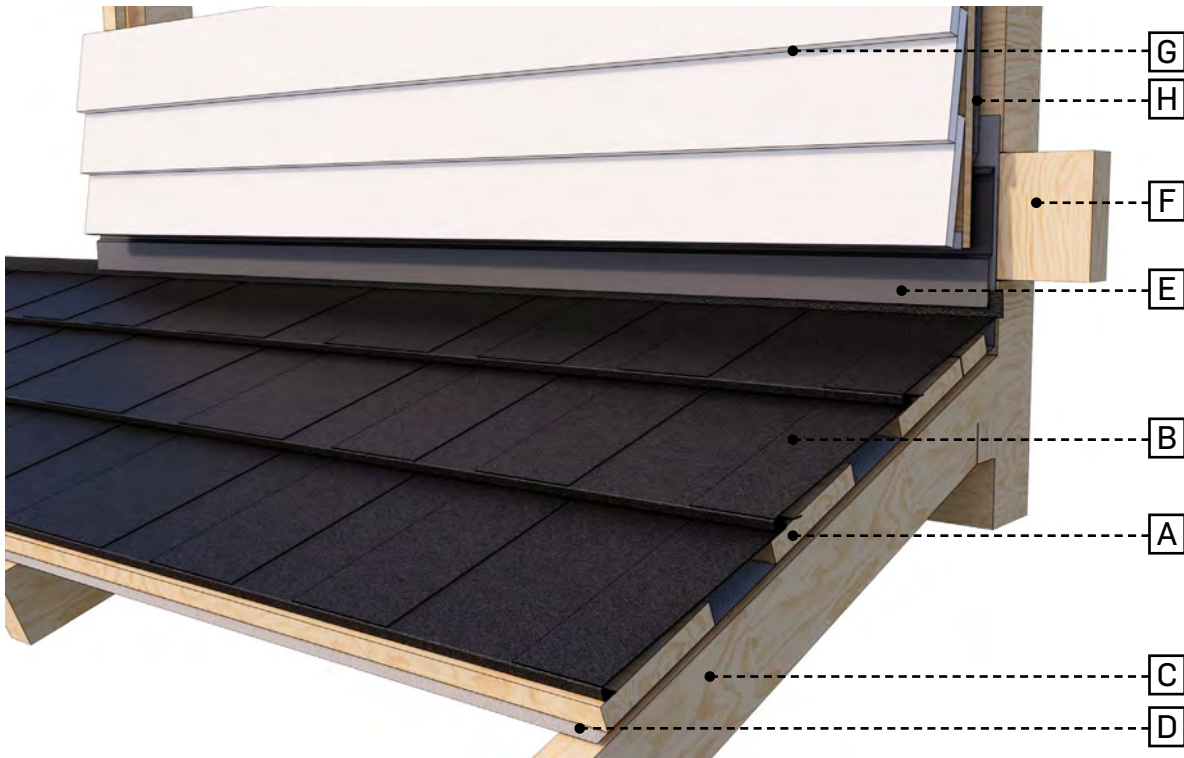


Fix the side flashing to the support nog in the wall. Wall underlay should lay over the top of the side flashing, while the roofing underlay should lie between the side flashing and the wall.



Once side flashings are installed, the builders can install the wall cladding.

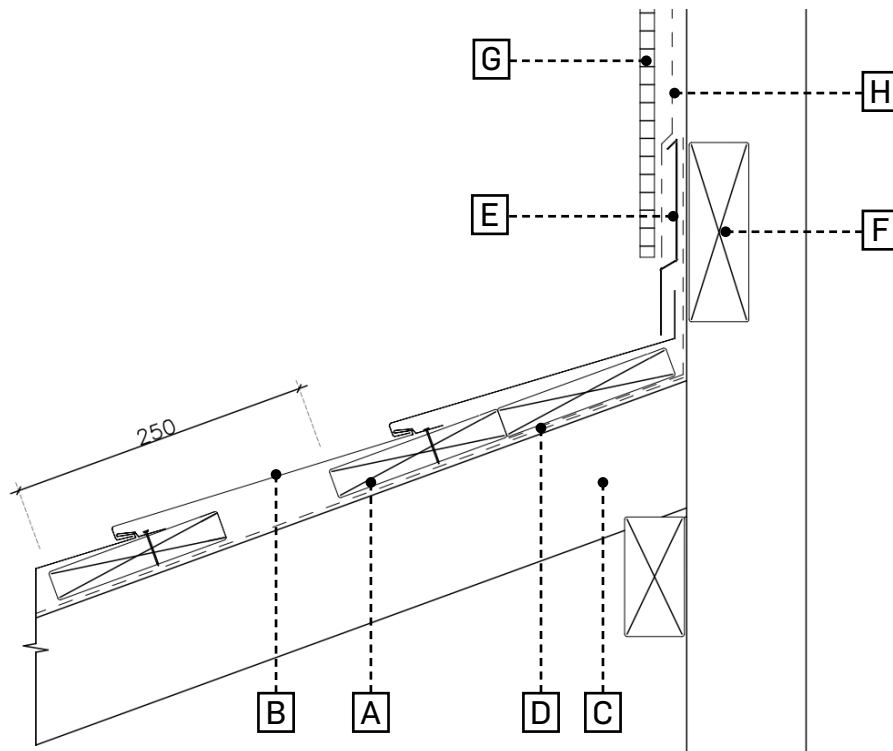
# HEAD WALL DETAIL



## COMPONENTS

- A. 150x25mm battens
- B. CF Slate panels
- C. Rafter
- D. Underlay
- E. 104 Side Flashing

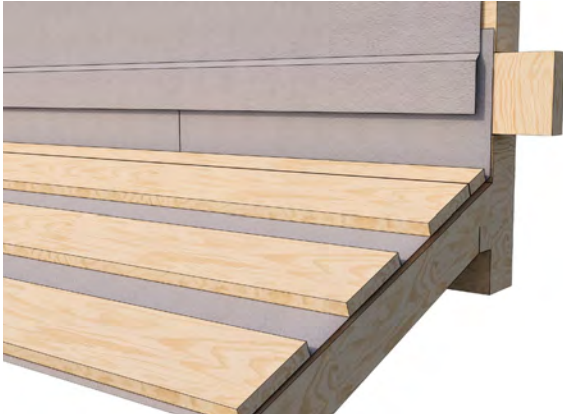
- F. Support nog (by builders)
- G. Wall cladding (by builders)
- H. Wall underlay (by builders)



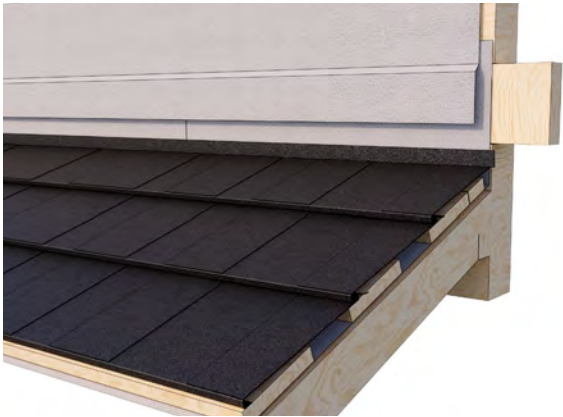
# HEAD WALL INSTALLATION

## INSTALLATION

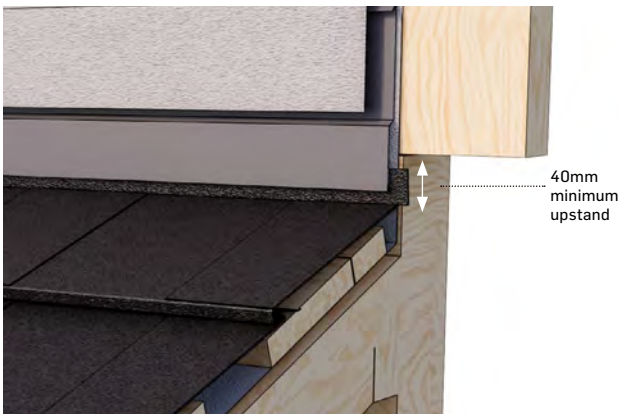
Roof framing and wall underlay are installed by builders. Pin out roofing underlay, ensuring enough underlay is available to line the wall above the side flashings. Fix 150x25mm battens over the top of the roof underlay.



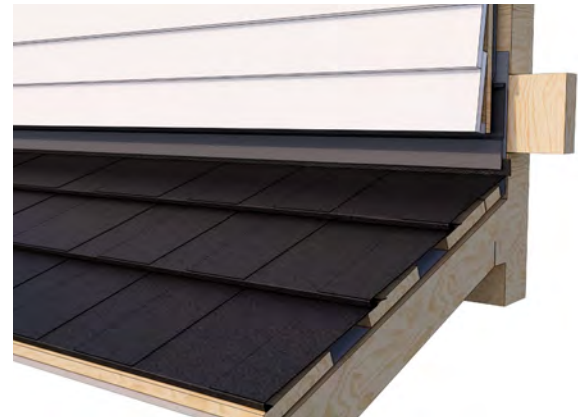
Install CF Slate panels up the roof, starting at the eaves. When a head wall is met, create an upstand of at least 40mm at the head of the panel.



Fix the side flashing to the support nog in the wall. Wall underlay should lay over the top of the side flashing.



Once side flashings are installed, the builders can install the wall cladding.



# 07. ROOF PENETRATIONS



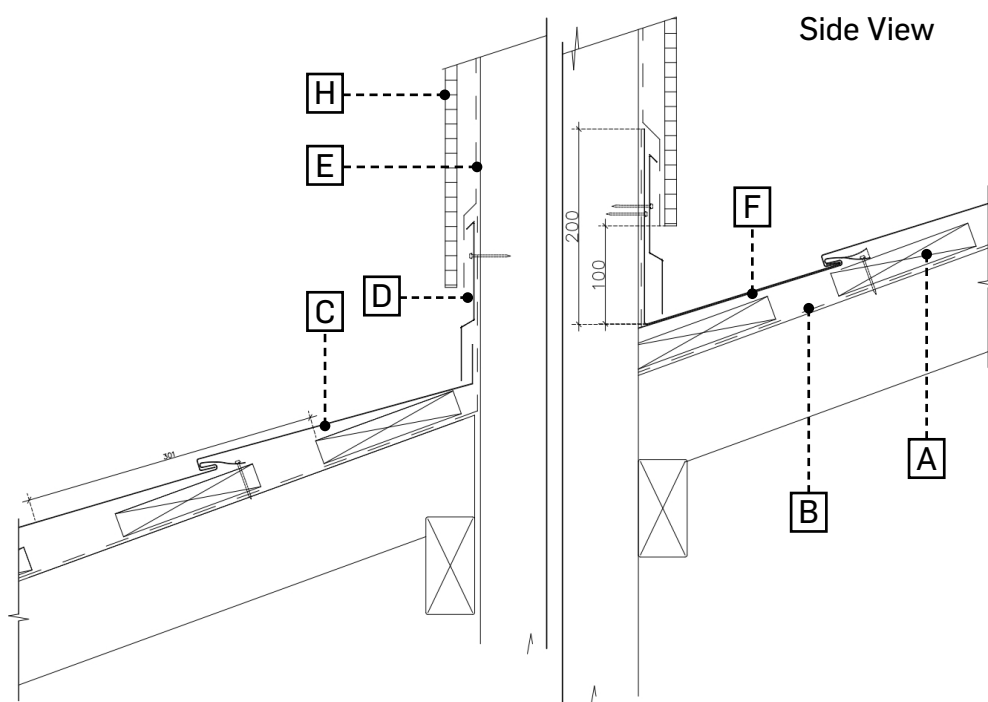
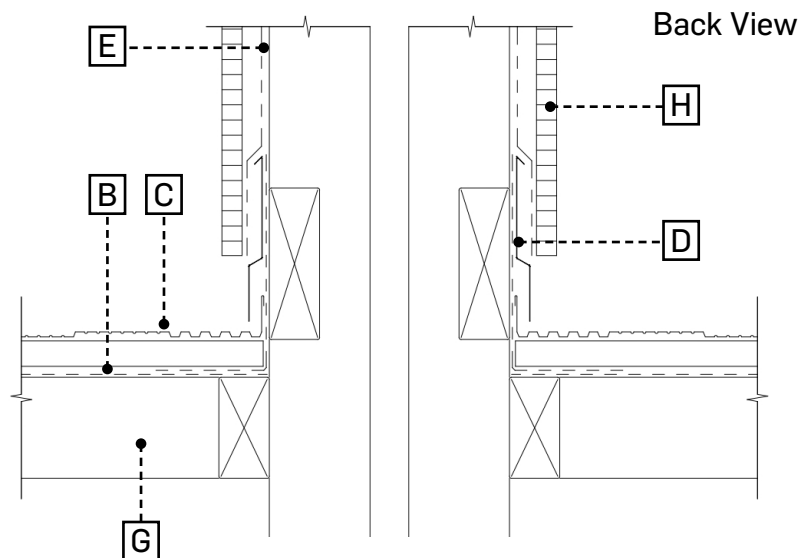
INSTALLATION MANUAL  
CF SLATE ON BATTENS

# CHIMNEY PENETRATION DETAIL



## COMPONENTS

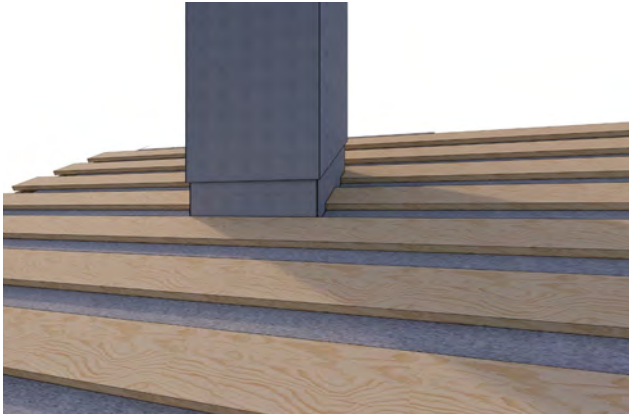
- A. 150x25mm battens
- B. Underlay
- C. CF Slate panel (40mm min turn up)
- D. 104 Side Flashing
- E. Wall underlay (by builders)
- F. Chimney back flashing
- G. Rafter (by builders)
- H. Wall cladding (by builders)



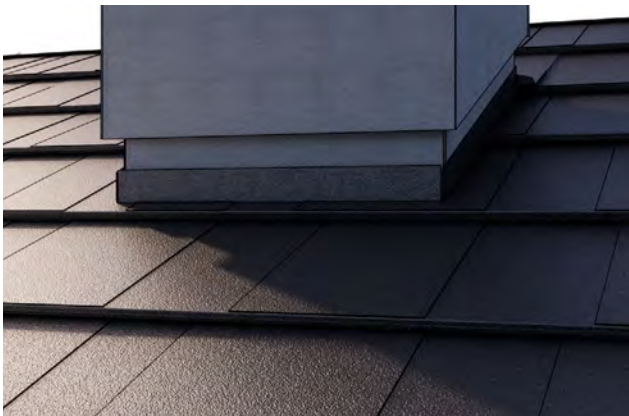
# CHIMNEY PENETRATION INSTALLATION

## INSTALLATION

For chimneys up to 1 metre in width.  
Pin out and install roof underlay across the roof, working around the chimney. Ensure enough underlay is available to reach the wall above the side flashings. Install 150x25mm battens across the plane of the roof.



Install CF Slate panels across the roof, starting at the eaves. At the penetration, turn up the panels by a minimum of 40mm on all sides.



Prepare your back flashing. The head should have a 10mm turn-back to allow the next panel to hook into it.



If the distance from the back of the chimney to the batten is less than 150mm, extend your back flashing up to the next batten.

Install side flashings on the front and sides of the penetration. Then install the back flashing. The upstand on the back flashing should be a minimum of 250mm.



Finally, install a side flashing over the back flashing to align with the other already-installed side flashings.



Once completed, the builders can install wall cladding to the chimney.



# DEKTITE PENETRATION

## INSTALLATION

Cut through the underlay taking care to create a turn up around the pipe penetration.



Install CF Slate panels up the plane of the roof to the pipe. When the penetration is reached, pierce a hole in the panel at the centre of the pipe's location.

Cut to the circumference of the pipe and slide the panel over the pipe.



Install the next course of panels.



Cut the Dektite cone where indicated for the relevant pipe size.

Slide the Dektite flashing down over the pipe. Water can be used as a lubricant.

Apply neutral cure silicone or double-sided roofing membrane tape on the underside of the flange.

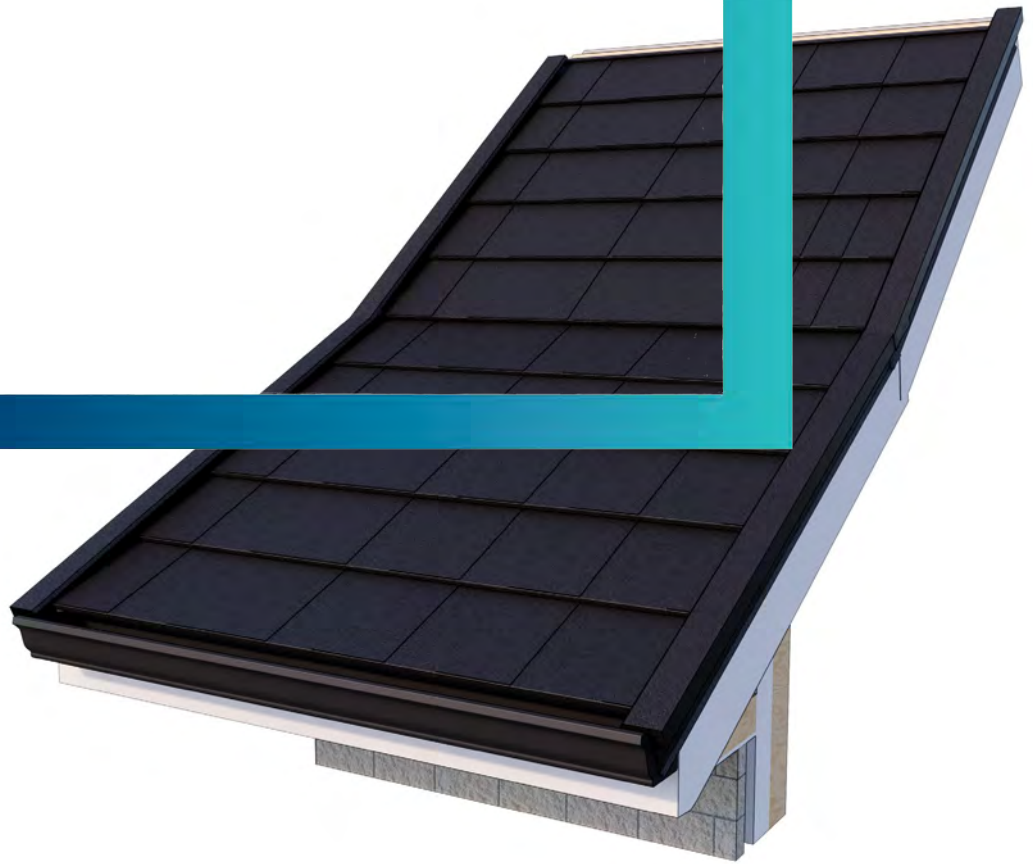
Press pipe flashing into contours of the roof panel.



Fasten with self-tapping or self-drilling screws, or selected pop rivets.



# 08. OTHER DETAILS



INSTALLATION MANUAL  
CF SLATE

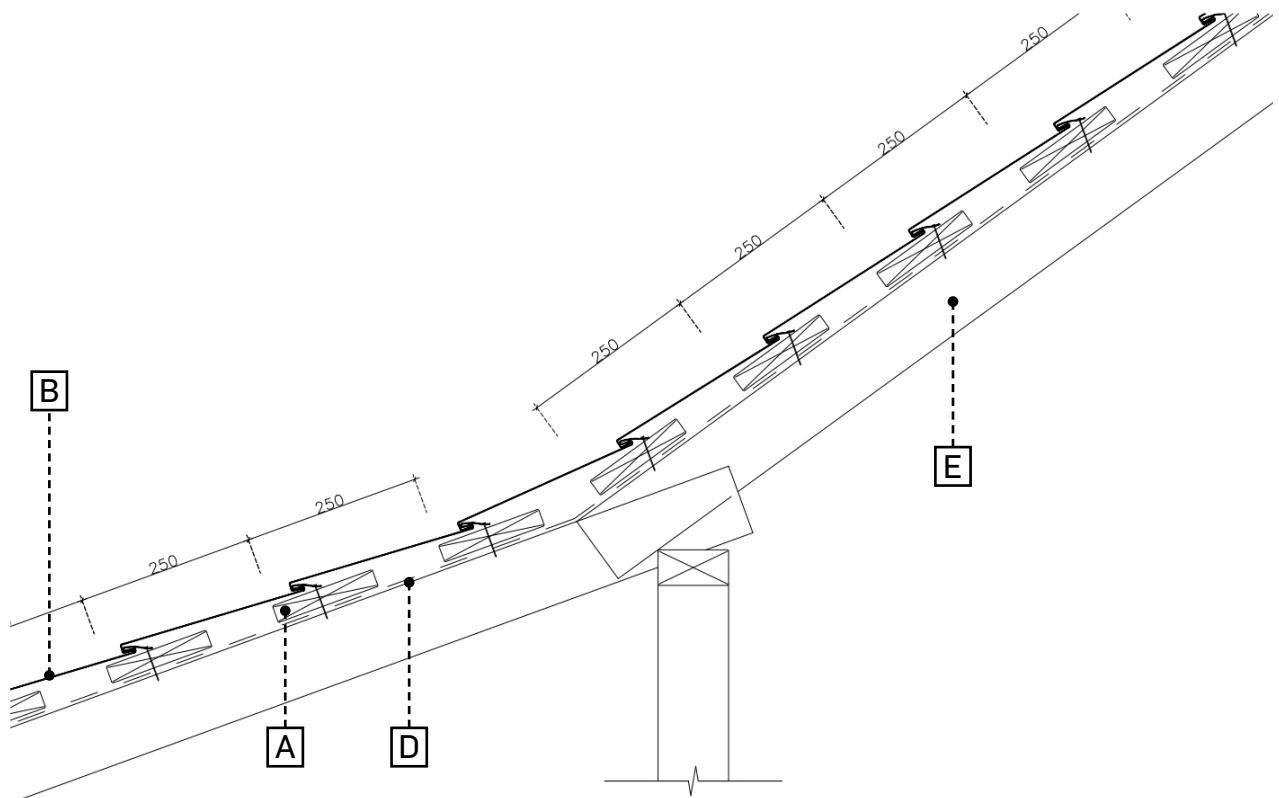


# CHANGE OF PITCH DETAIL



## COMPONENTS

- A. 150x25mm battens
- B. CF Slate panels
- C. 401 CF Slate Barge Cover
- D. Underlay
- E. Rafter

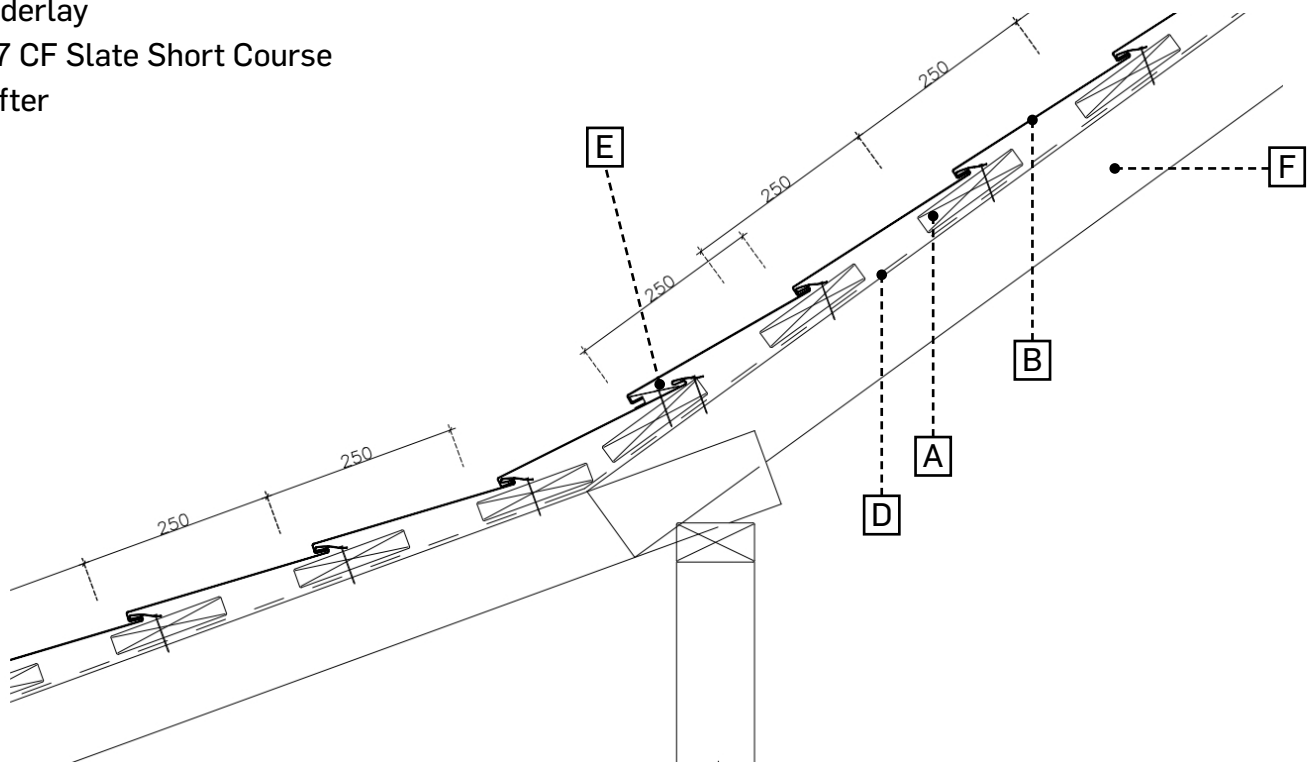


# CHANGE OF PITCH DETAIL



## COMPONENTS

- A. 150x25mm battens
- B. CF Slate panels
- C. 401 CF Slate Barge Cover
- D. Underlay
- E. 417 CF Slate Short Course
- F. Rafter



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