



INSTALLATION GUIDE



Manufactured with **Colorbond**® Steel



| Insulated Roofing Panels by Retracom |



INSTALLATION GUIDELINES ARE SUPPLIED FOR BOTH FASCIA ATTACHED & FLY OVER PATIO STRUCTURES

NOTE: THIS DOCUMENT IS TO BE USED ONLY AS GUIDE FOR THE INSTALLATION OF SOLARIS® ROOFING PANELS. ALL INSTALLATION METHODS, WATERPROOFING AND WEATHER FLASHING ACTIONS SHOULD BE DONE IN COMPLIANCE WITH ALL RELEVANT CODES AND REGULATIONS.

SITE STORAGE: DURING STORAGE, PANELS SHOULD ALWAYS REMAIN DRY, WHERE POSSIBLE, AND BE KEPT OFF THE GROUND TO ALLOW FOR ADEQUATE VENTILATION OF THE PANEL STACK. DO NOT COVER THE PANEL STACK WITH ADDITIONAL PLASTIC COVERING, SUCH AS BLACK PLASTIC SHEETING.

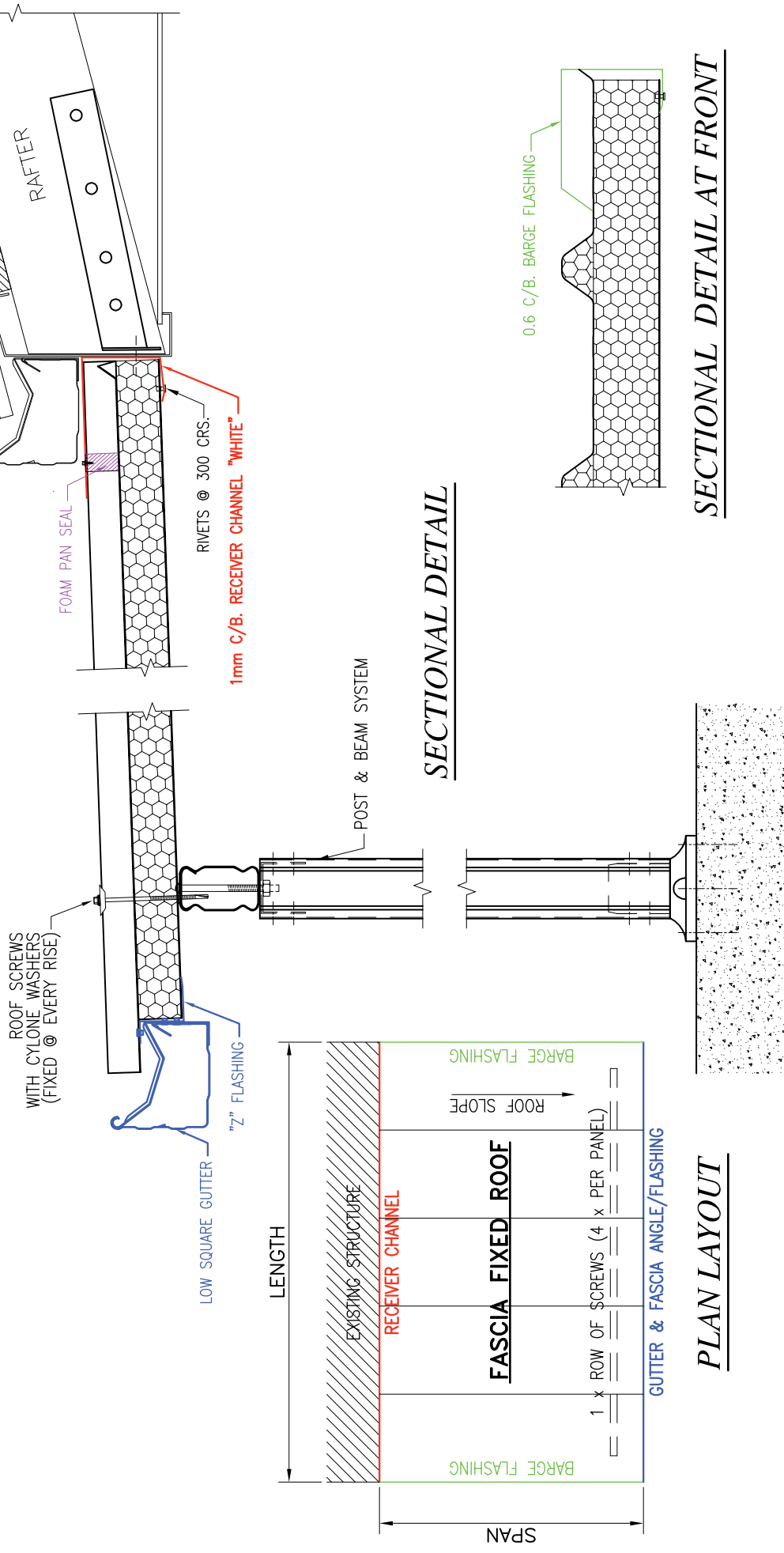
FASCIA ATTACHED PATIOS (DIAGRAM 1)

1

- a) Attach the receiver channel to house fascia in line with your engineers' specifications.
- b) Fit support beam(s) allowing for min 1.5 degree pitch from bottom of receiver to top of beam.

*** FOR TUTORIAL PURPOSES ONLY ***

DIAGRAM #1

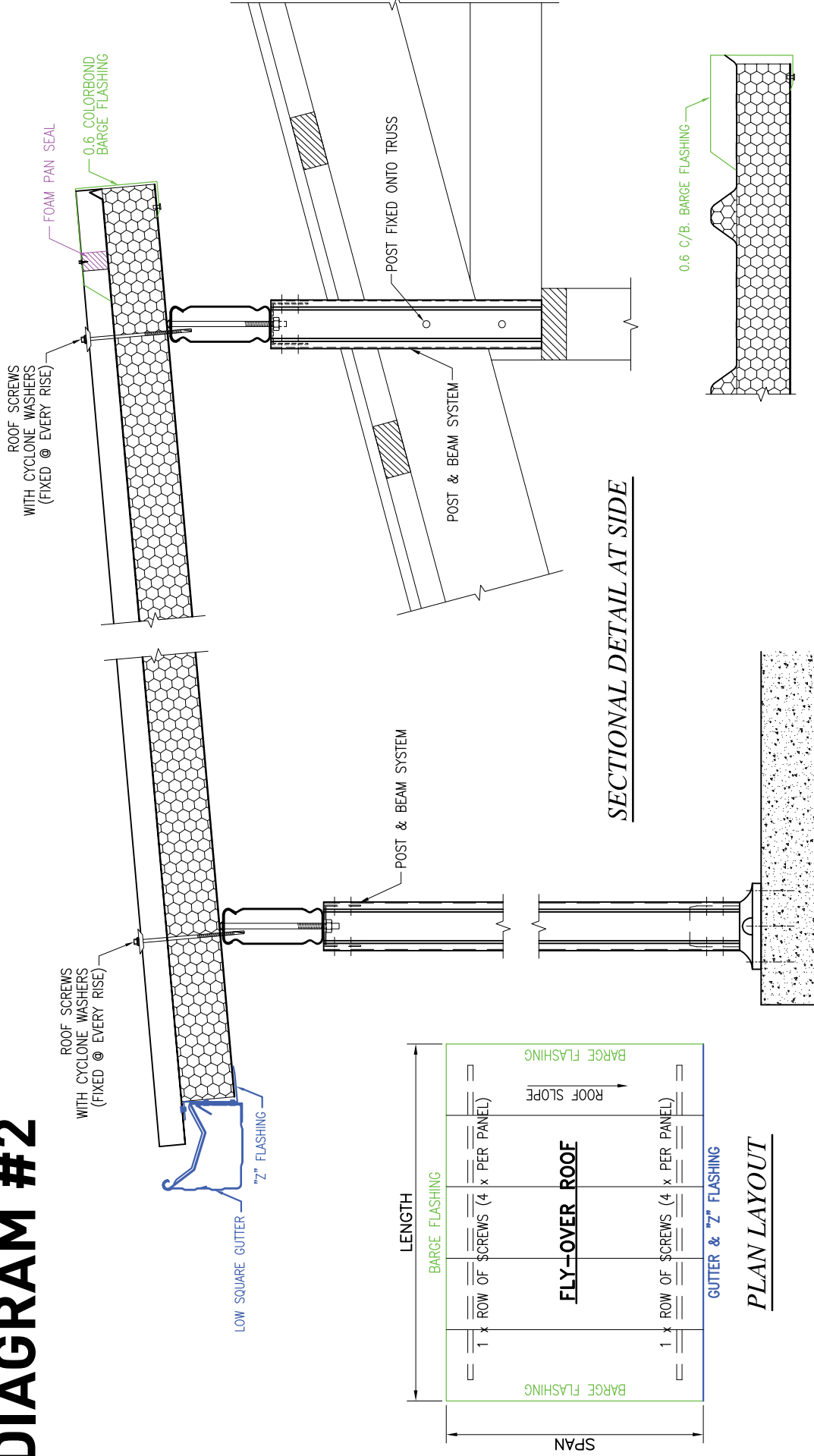


SECTIONAL DETAIL AT FRONT

*** NOTE: * DIMENSIONS ARE IN "mm" * DO NOT SCALE**

** FOR TUTORIAL PURPOSES ONLY **

DIAGRAM #2



SECTIONAL DETAIL AT FRONT

** NOTE: * DIMENSIONS ARE IN "mm." * DO NOT SCALE*



2

FLY OVER PATIOS (DIAGRAM 2)

- a) Install extender posts and beam through the house roof in line with engineers' specifications.
- b) Fit support beam(s) allowing for min 1.5 degree pitch from top of beam to top of beam.



3

If the side of the patio roof is to start against a wall or fascia of the dwelling, fit this side barge or receiver channel from the end receiver channel, extending out to the beam(s).



4

If the patio is a 3 side open design, all barges can be installed post the fitting of Solaris® panels.



5

Remove Solaris® panels from the stack.

- a) Carefully lift panel – ensure Solaris® panels are **NEVER DRAGGED**.



6

Prepare a working platform from trestles with foam blocks on top.



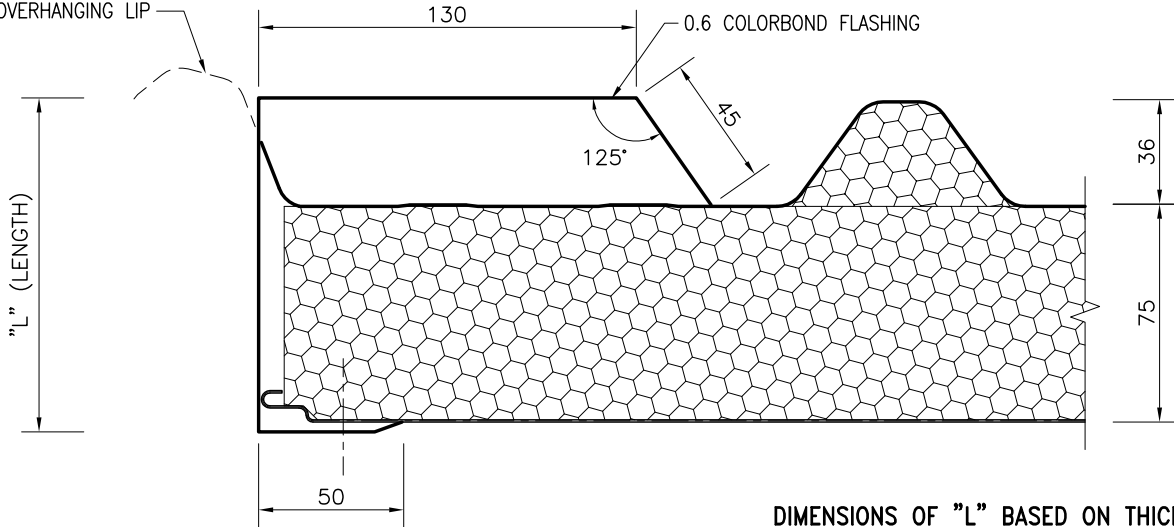
7

Place the Solaris® panel with roof side up on trestles.



DIAGRAM #3

TRIM OFF & BEND UP
OVERHANGING LIP



SECTIONAL DETAIL

DIMENSIONS OF "L" BASED ON THICKNESS

- * 90mm FOR 50mm SOLARIS PANEL
- * 115mm FOR 75mm SOLARIS PANEL
- * 140mm FOR 100mm SOLARIS PANEL
- * 165mm FOR 125mm SOLARIS PANEL
- * 190mm FOR 150mm SOLARIS PANEL

* NOTE: * DIMENSIONS ARE IN "mm" * DO NOT SCALE

8

TRIM THE OVERLAY EDGE AS PER DIAGRAM 3 (ABOVE)

9

Turn up the pans of the high end of the Solaris® roof panels using the Solaris® pan tool.



STEP 9



STEP 10

10

Turn pans down at the gutter end of the Solaris® roof panels using the Solaris® pan tool.

11

Throw soft blanket or covering over beam, where first Solaris® panel is to be located.

12

Turn the panel over on trestle and remove the core strip from ceiling side completely.

13

Lift the first Solaris® panel onto beams ready for installation.

14

Fit into receiver channel or onto beams for fly over patios.

15

Square the panel off and fix with screw in the top and underneath (receiver channel end) to hold in place.

16

Prepare the second and subsequent sheets as per points 5 through to 12.

17

On the overlay edge of the top sheet of the remaining Solaris® sheets, trim the corner off at the receiver end to ensure no interference with the pan turn up of the previous panel.

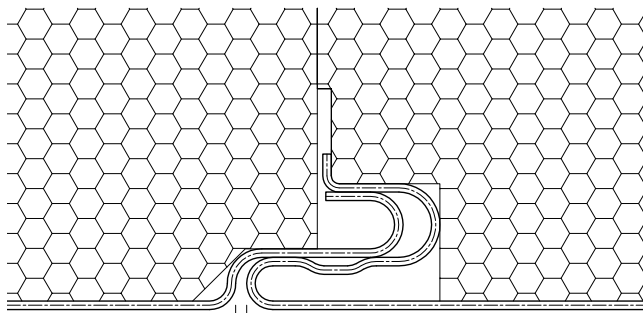
18

CONNECTING SUBSEQUENT PANELS

- a) Move blanket / soft covers over beam(s) to where next panel will connect with the beam.
- b) Lift from both ends of the panel to a 45° angle. Place the overlay top skin over the rib of previous panel.
- c) Lower the panel to engage the male Flushline joint into the female flushline joint.
- d) Slide the Solaris® panels into the receiver channel at the house end.
- e) Apply sideways pressure to ensure firm flushline joint connection of uniform appearance.
- f) Successful connection of panels will result in a neat Flushline joint to the ceiling side, with minimal or no gap (refer to diagram 4 - overleaf).
- g) Fix each panel off, top and bottom as they are fitted into place.
Ensure that overlap joints are screw fixed off last.
- h) Once all panels are fitted, you can continue to fit the remaining barge flashings, Z flashings and rainwater goods.

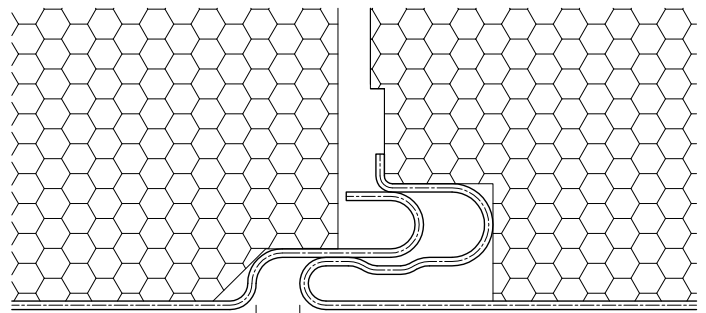


DIAGRAM #4



0-2mm GAP ✓

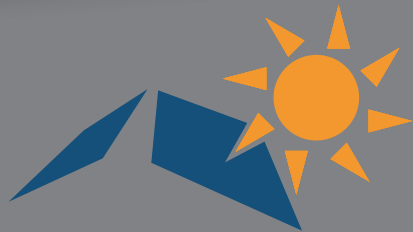
CORRECT JOINT



+2mm GAP ✗

INCORRECT JOINT

* NOTE: * DIMENSIONS ARE IN "mm" * DO NOT SCALE



solaris®

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