

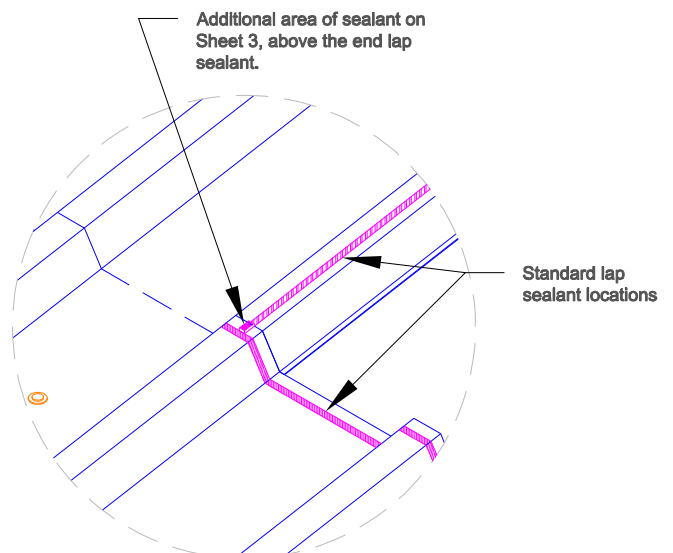
INSTALLATION

Roof Sheet Installation Guide

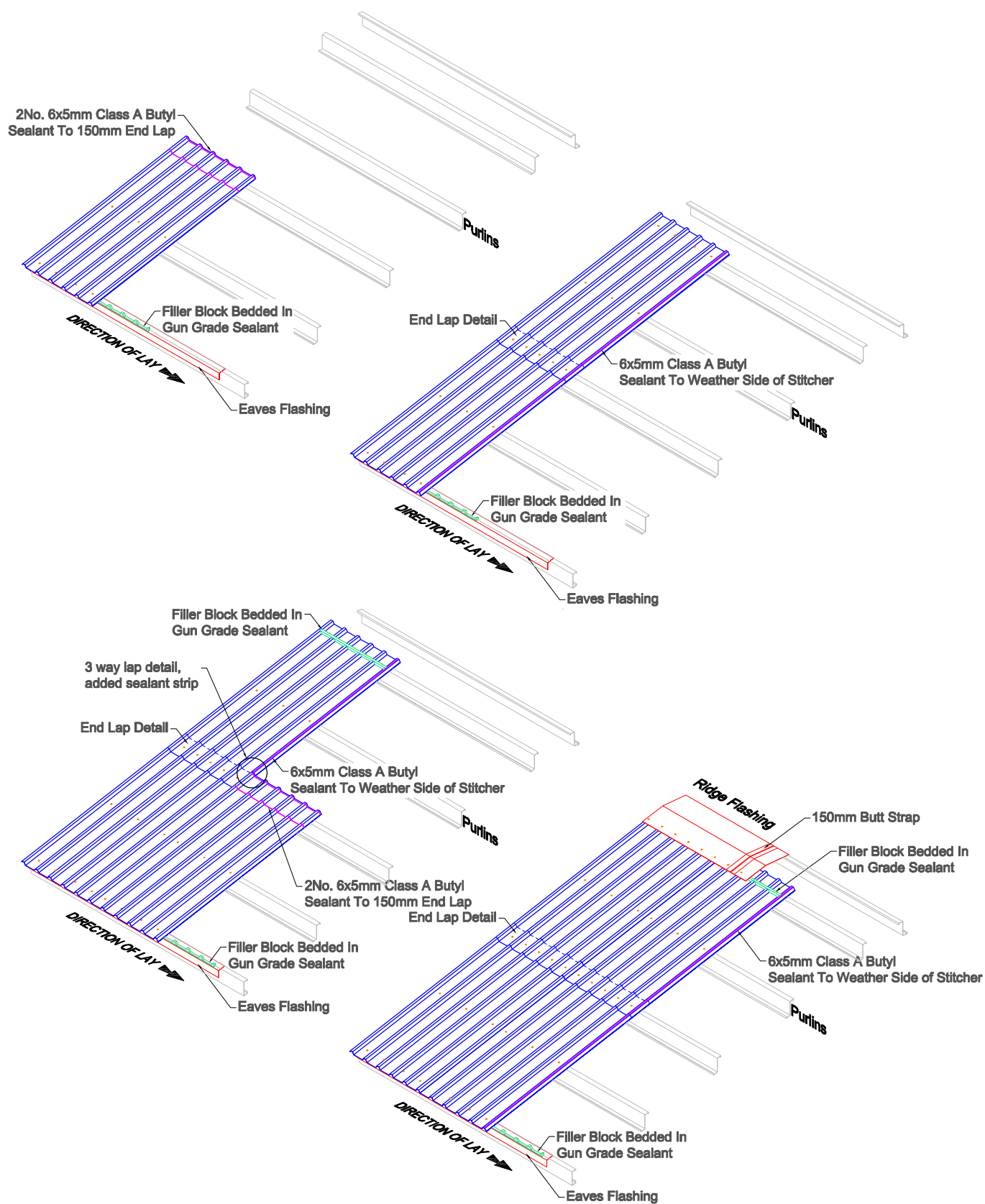
1. Side laps should ideally face away from the prevailing wind.
2. Establish the setting out dimension (should be indicated in the roof construction drawings).
3. Set out a line at 90 degrees to the gutter line.
4. Install eaves flashing.
5. Install eaves filler blocks, bedded in sealant top and bottom.
6. Install cladding sheets as shown in the diagram, working from eaves to ridge before installing the second tier. Lay sheets with the male rib leading.
7. Fully fix profiles as you proceed. Use fasteners with 19mm dia washers. Partial fixing/fly-fixing is dangerous.
8. End laps 150mm.
9. Install end lap 6x5mm Class A butyl sealants 10-15mm from sheet ends. Overlap any joins in sealant strips by 25mm.
10. Install side lap 6x5mm Class A butyl sealant to the weather side of the stitcher fasteners line.
11. 4-way lap detail: See diagram. Remembering the extra short strip of sealant on top of the 3rd sheet in the 4 way lap, to seal the gap where sealant is covered over.
12. Install stitcher fasteners at 450mm max spacing.
13. Install ridge filler blocks, bedded both sides in sealant.
14. Install ridge and verge flashings to the project specific construction drawing detail.
15. Ridge and verge flashings, 75mm laps (open sections) or 150mm butt straps (closed sections), as specified.
16. Fix ridge caps to every crown using stitcher screws.
17. Fix verge flashings to ribs or to mini zed spacers in turn fixed to the spacer bar, flashing fasteners at max 450mm centres.
18. Seal flashings with 6x5mm butyl sealant or gun applied butyl sealant, as specified. Apply sealant either side of the fasteners, 10–15mm from flashing edges.
19. Where profiles have to be cut on site:
 - Use a powered nibbler, reciprocating saw or circular saw. Do not use an abrasive wheel.
 - Support the profile along the line of the cut.
 - Protect the pre-coated finishes of the profile.
 - Clean any swarf or debris from the pre-coated finish of the profile immediately.
20. Minor scuffing of the colour coating should not be treated.
21. Deeper scratches which reach the substrate should be repaired with touch-up paint.

The touch-up paint should only be applied to the original scratch using a fine paint brush.

As touch-up paint will dry to a slightly different colour than the original coating the area which is touched up should be kept as small as possible.
22. Keep foot traffic and following trades traffic to a minimum.

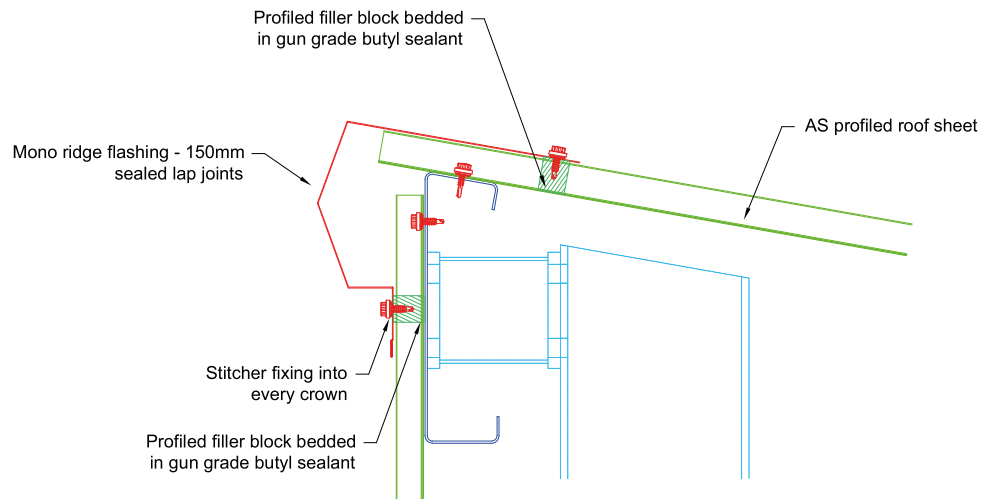


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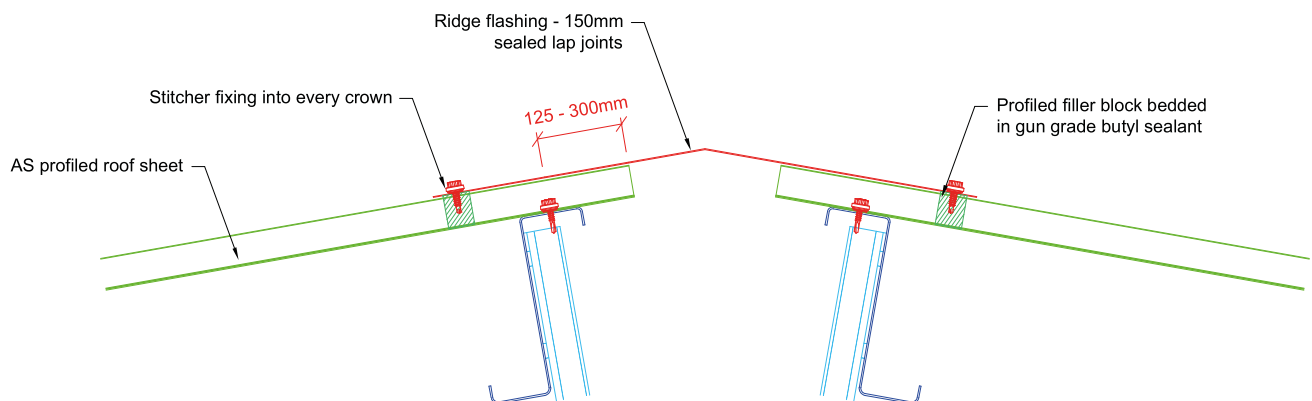


CONSTRUCTION DETAILS

Mono Ridge

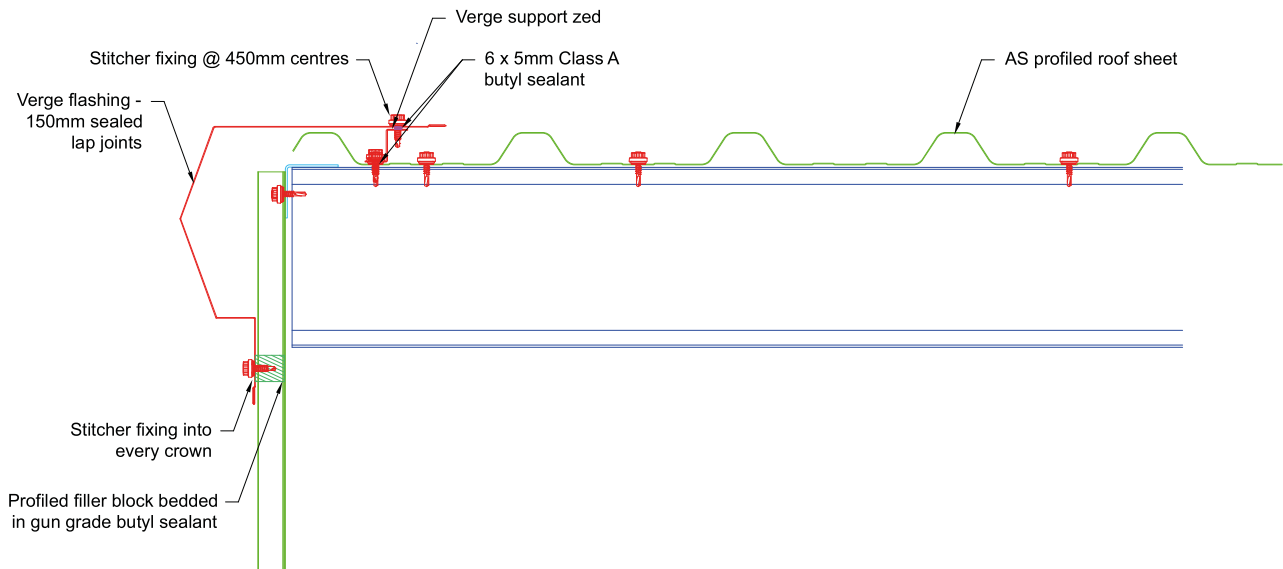


Ridge

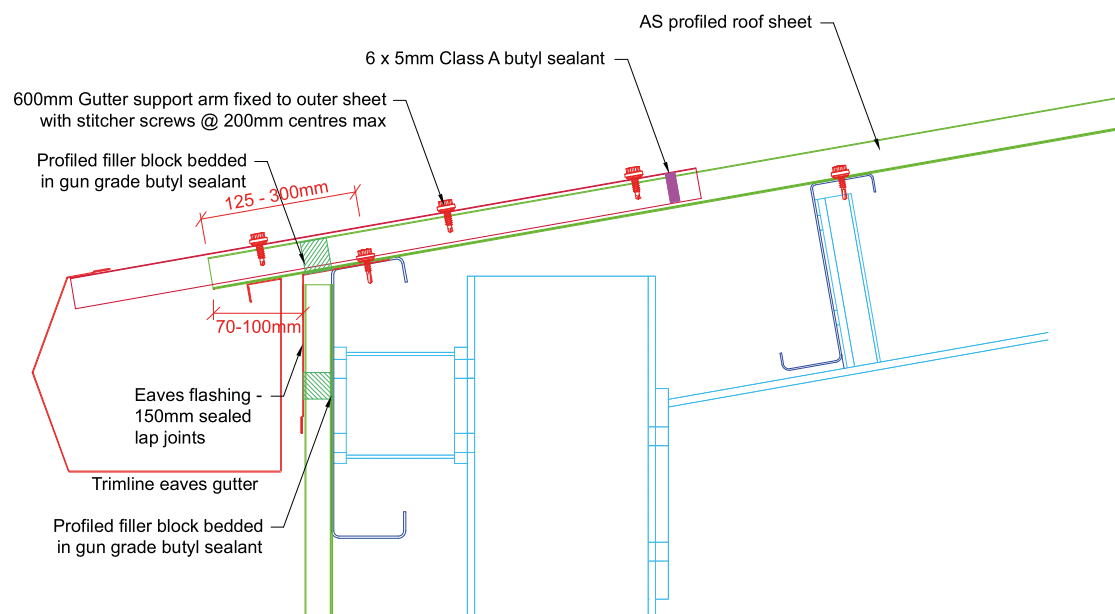


CONSTRUCTION DETAILS

Verge

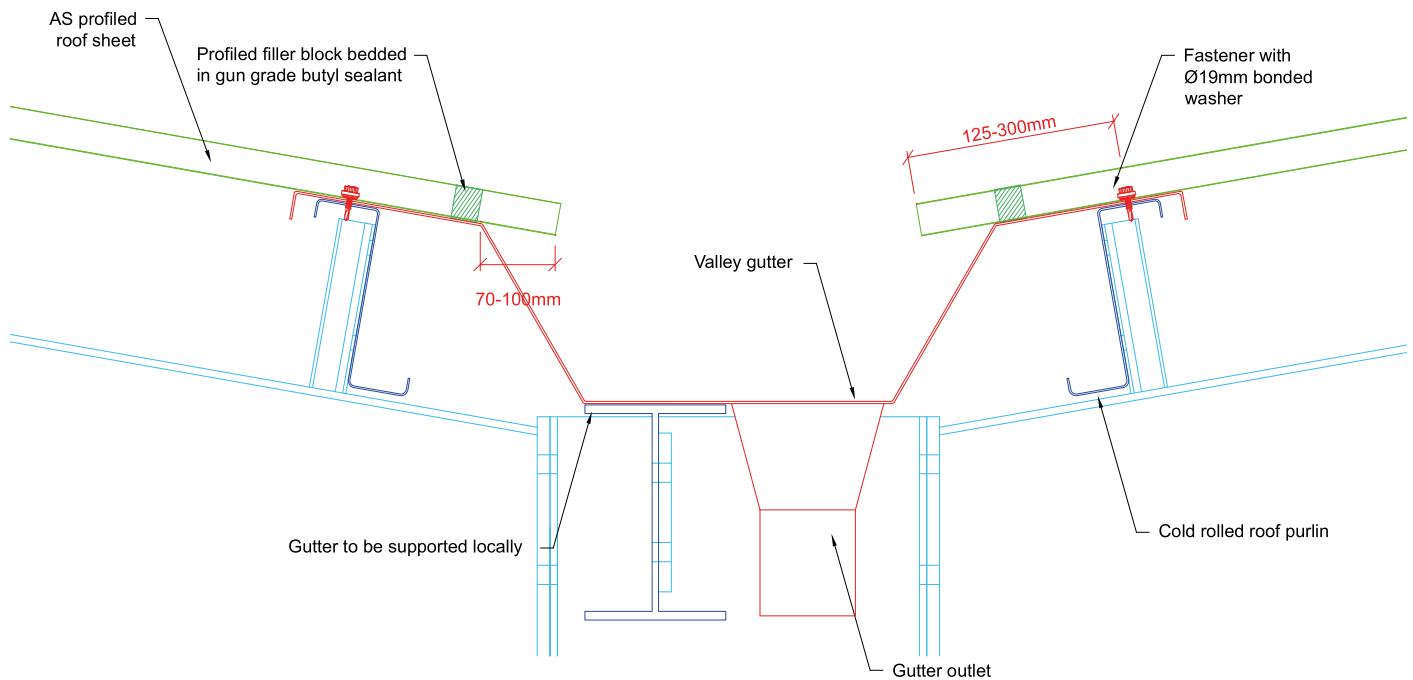


Eaves

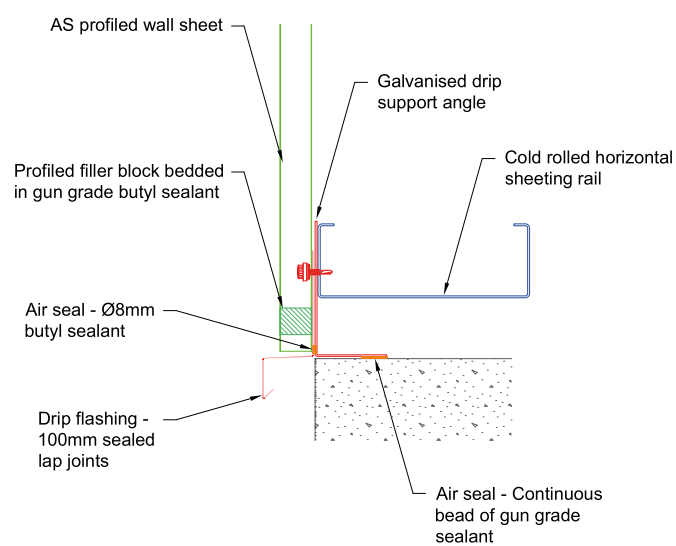


CONSTRUCTION DETAILS

Valley Gutter

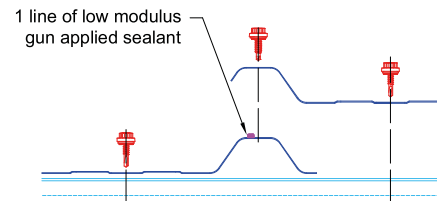
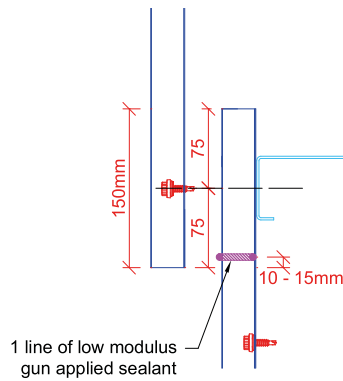


Drip Detail

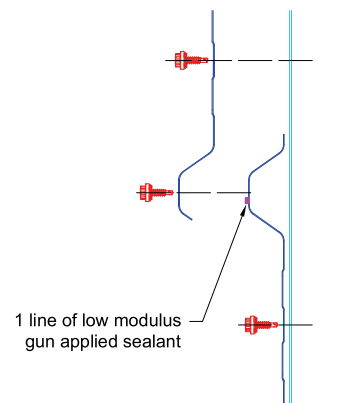
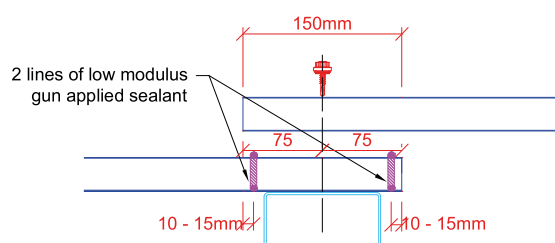


CONSTRUCTION DETAILS

Wall End-lap Vertical

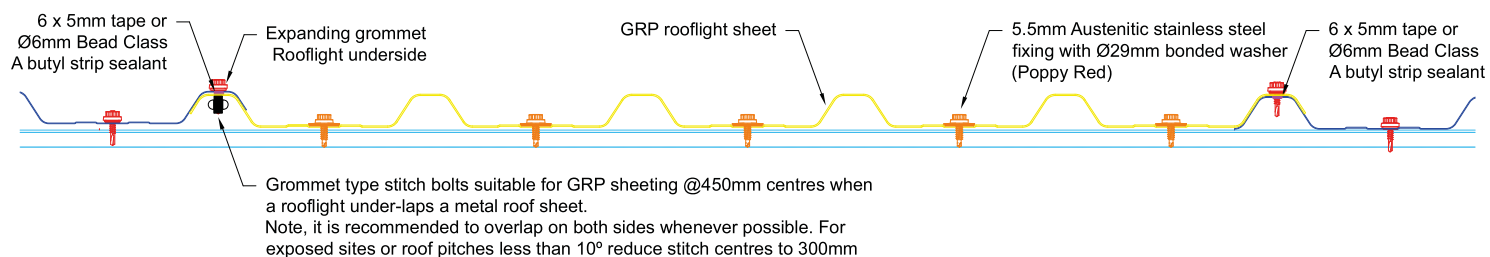


Wall End-lap Horizontal

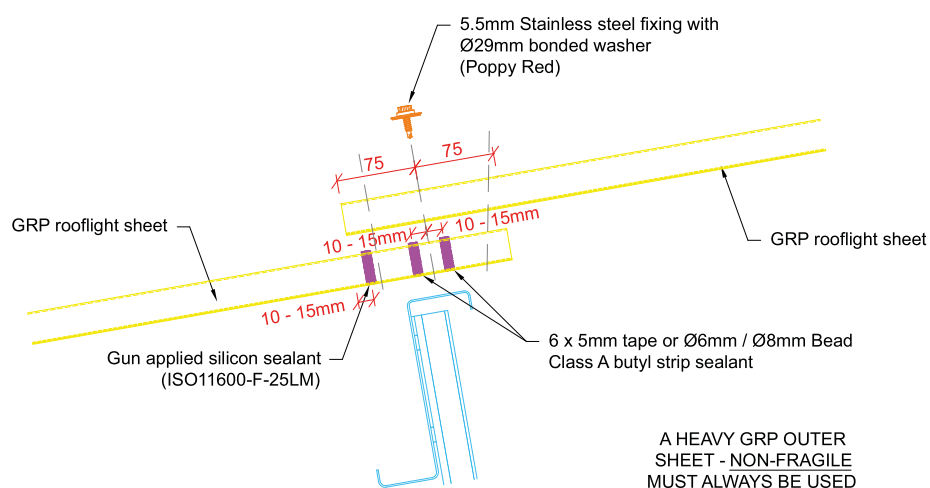


CONSTRUCTION DETAILS

Rooflight Installation

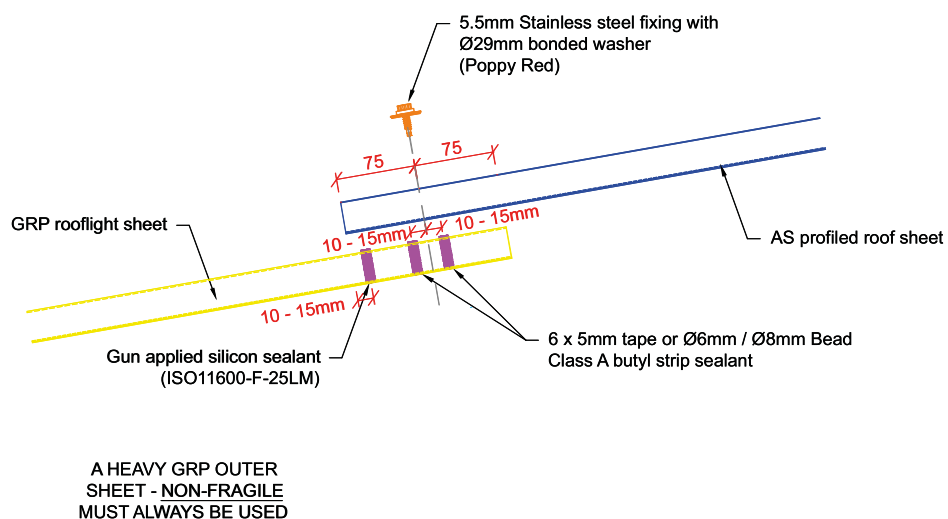


End-lap - Rooflight over Rooflight

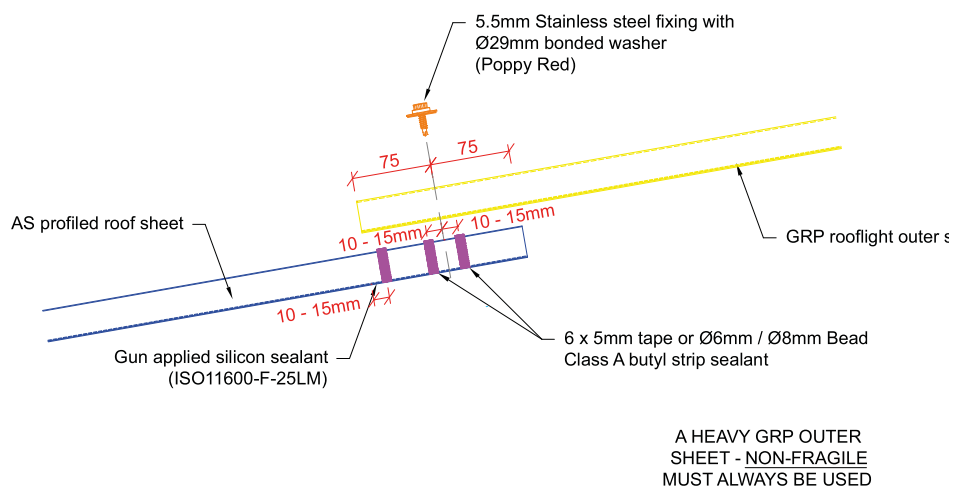


CONSTRUCTION DETAILS

End-lap - Cladding over Rooflight



End-lap - Rooflight over Cladding



MAINTENANCE

Supply and delivery

All Steadmans Single Skin profiles are manufactured at Steadmans. Steadmans Single Skin profiles are supplied banded and in a protecting profiled packing sheet and are usually delivered direct to site. Off loading is the responsibility of the customer. Delivery by self off-load vehicles can be arranged.

Annual inspection

It is good practice to carry out annual inspection of the building exterior and to carry out any remedial work identified during the inspection, see table below.

Touch-up

Minor scuffing of the colour coating should not be treated. Deeper scratches which reach the substrate should be repaired with touch-up paint.

The touch-up paint should only be applied to the original scratch using a fine paint brush. As touch-up paint will dry to a slightly different colour than the original coating the area which is touched up should be kept as small as possible.

Checklist for annual inspection	
Item	Action ^{A)}
Establish a safe method of work	Check that the roof is non-fragile. ^{B)} Check that the safety equipment is tested in accordance BS EN 795 (including safety lines)
Leaks, inspect from inside for location	Repair as soon as possible and do not leave until annual maintenance.
Damage or decay	Repair or replace as necessary.
Accumulated debris, e.g. trapped leaves or pine needles	Clean away.
Gutters and drain pipes clean, and free draining	Clean out.
Gutter joints defective sealant or loose bolts	Repair.
Loose ridge or other flashings	Repair.
Missing foam fillers or evidence of damage by birds	Replace.
Staining caused by ponding or water	Seek advice from a roofing specialist.
Discoloured areas of the surface coating	Inspect the surface coating and attend to any peeling corrosion or other evident deterioration, as necessary.
Discoloured areas around fume extract ducts should be closely inspected	Re-coat without delay where attack of the coating has occurred.
Dirty rooflights	Clean to maintain light transmission.
Evidence of access to the roof e.g. for maintenance of ventilators	Touch-up any scratches in coating.
Missing/faded colour caps from fasteners	Replace.
Missing fasteners	Investigate and replace.
Corroded or degraded fastener (including sealing element)	Seek advice on replacement.
Loose fasteners, e.g. where the washer is not in contact the sheet	Tighten only fasteners that are loose. Investigate the cause.
Sealants visible on roof surface	Seek advice on replacement and suitability of the sealant.

^{A)} Where any defects are discovered, these should be reported to the client. Some of these items might be covered by a product/system guarantee, which should be pursued via the contractual chain.

^{B)} See ACR[M]001 "Red Book" [N1], ACR[CP]001:2014 "Orange Book" [1] for further guidance on non-fragile roofs (Recommended practice for work on profile sheeted roof) and ACR[CP]002 (Guidance Note for Safe Working on Fragile Roofs, otherwise known as the "Green Book" [30]).