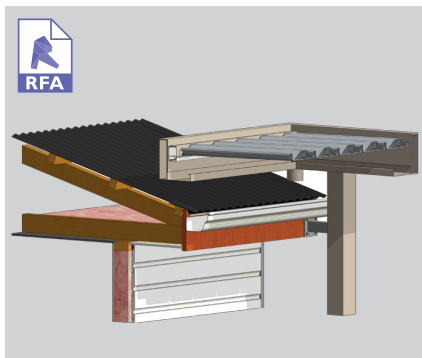


CONNECTING TO THE BUILDING

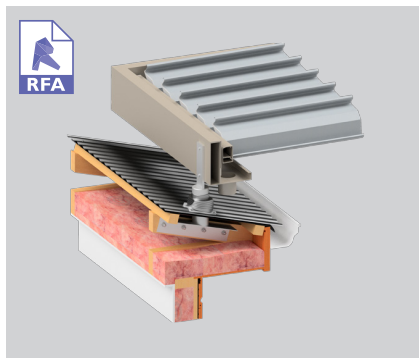
In most instances, the aluminium structural frame connects either directly to, or directly alongside the existing building.

There are three typical fixing locations:

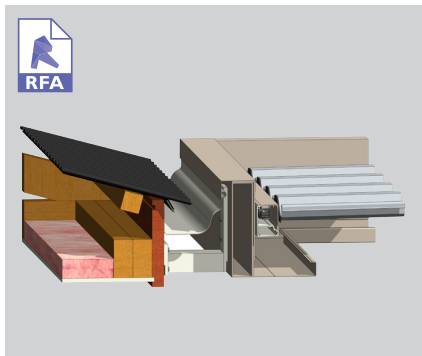
1. Fixing above the existing roof
2. Fixing flush with the existing gutter
3. Fixing directly to - or free standing next to the building



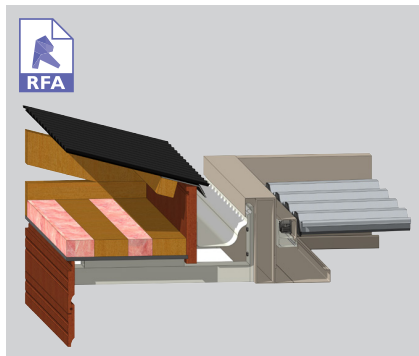
1A OVER ROOF - BRACED OR FREE STANDING POST



1B OVER ROOF - RAFTER FIXING BRACKET



2A FLUSH TO GUTTER. BRACKET FIXED TO FASCIA



2B FLUSH TO GUTTER. BRACKET FIXED TO SOFFIT

SURFACE COATINGS

A wide range of options are available.



ANODISED



WOOD FINISH



POWDERCOATED

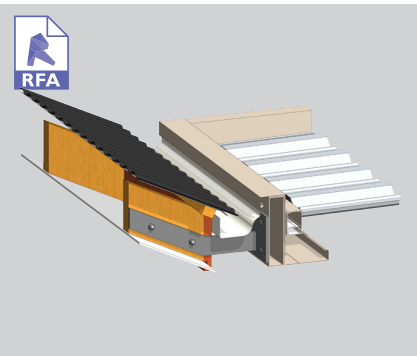
PRODUCT OVERVIEW CONNECTING TO THE BUILDING



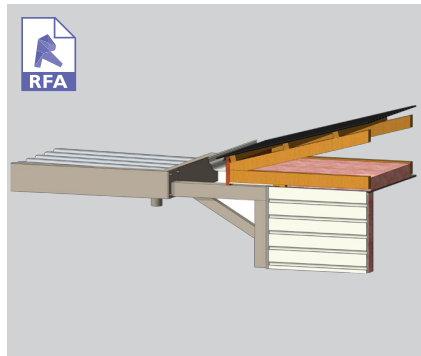
CONNECTING TO THE BUILDING (CONT)

Location determines which suitable fixing options are available and are permissible.

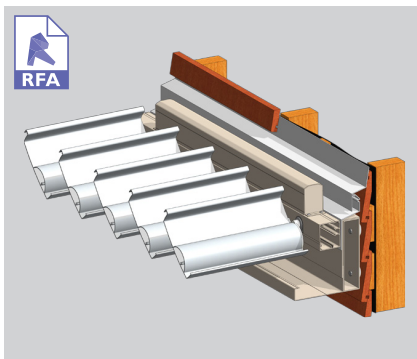
Fixing options must take into consideration the structural integrity of the building - i.e. is there solid fixing available? Also ensuring the watertight integrity of the building is not compromised.



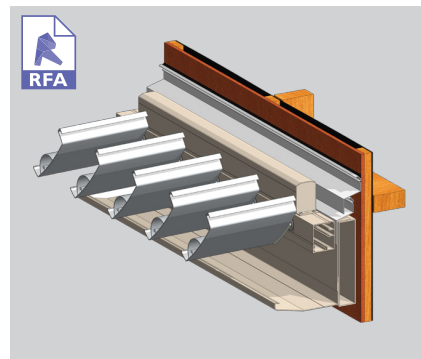
2C FLUSH TO GUTTER. BRACKET FIXED TO RAFTER



2D FLUSH TO GUTTER. FREE STANDING BRACED POST



3A FIXING DIRECTLY TO BUILDING. WEATHERBOARD ON TIMBER FRAME WITH CAVITY



3B FREE STANDING. SHEET ON TIMBER FRAME

SURFACE COATINGS

A wide range of options are available.



ANODISED

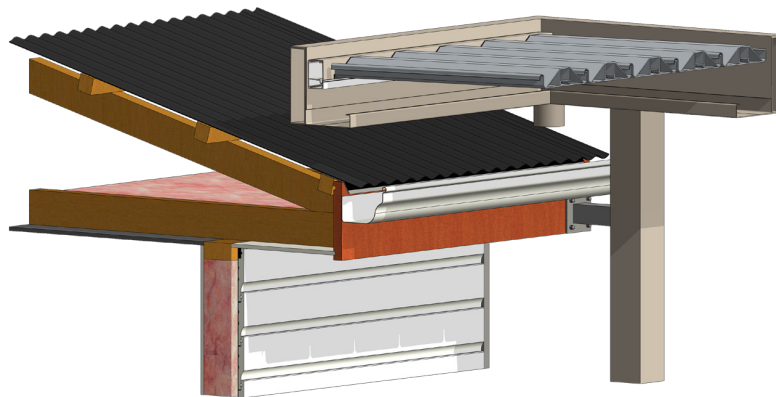


WOOD FINISH



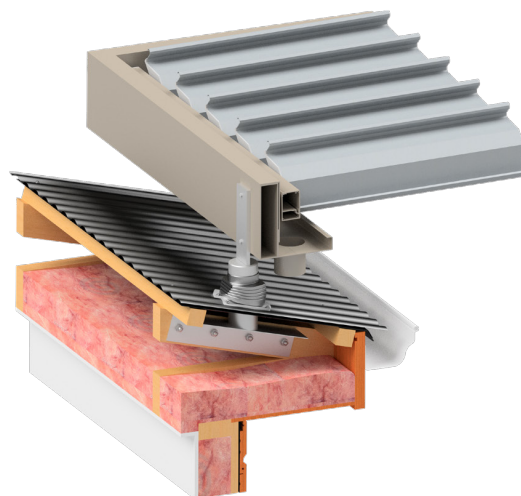
POWDERCOATED

TYPICAL DETAIL 3D MODELS IA OPENING ROOF FRAME OVER EXISTING ROOF



Braced or free standing post projects Opening Roof over house roof.
Allows stormwater disposal onto existing roof. It is not flashed between Opening Roof and house roof.

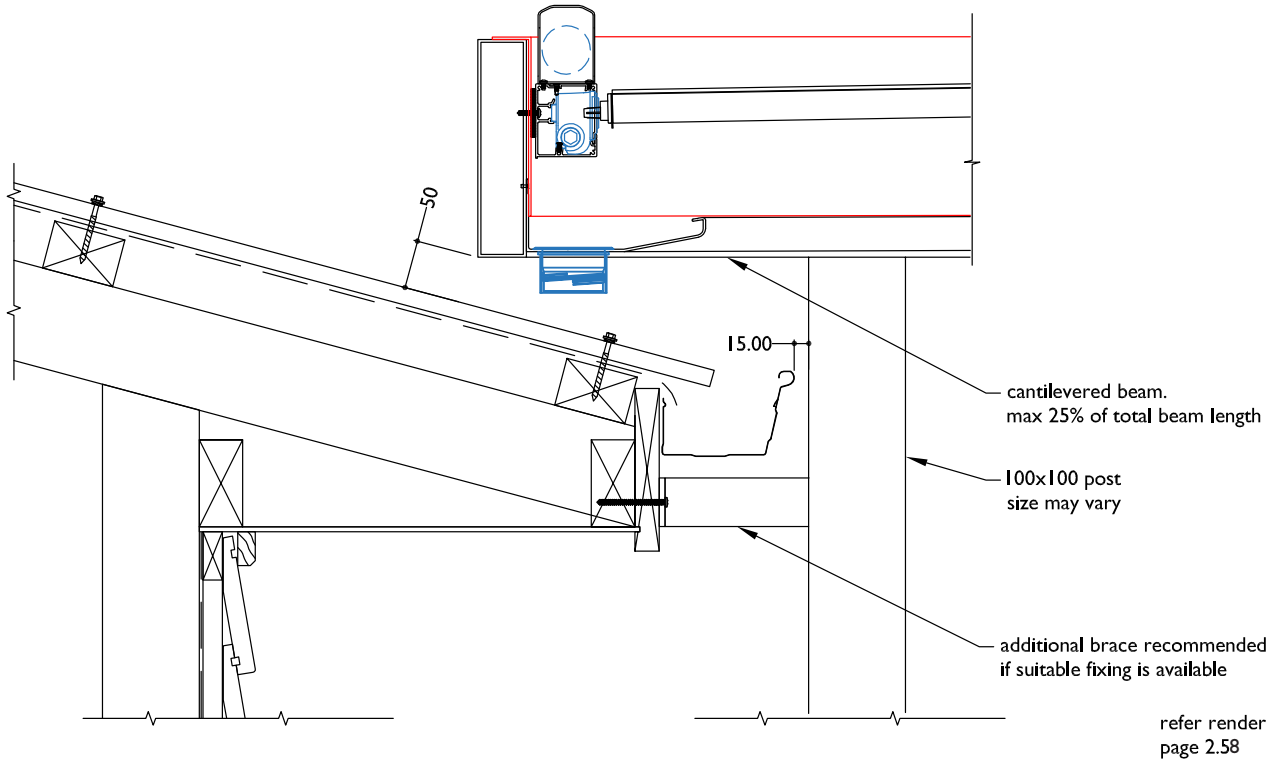
TYPICAL DETAIL 3D MODELS IB OPENING ROOF FRAME OVER EXISTING ROOF



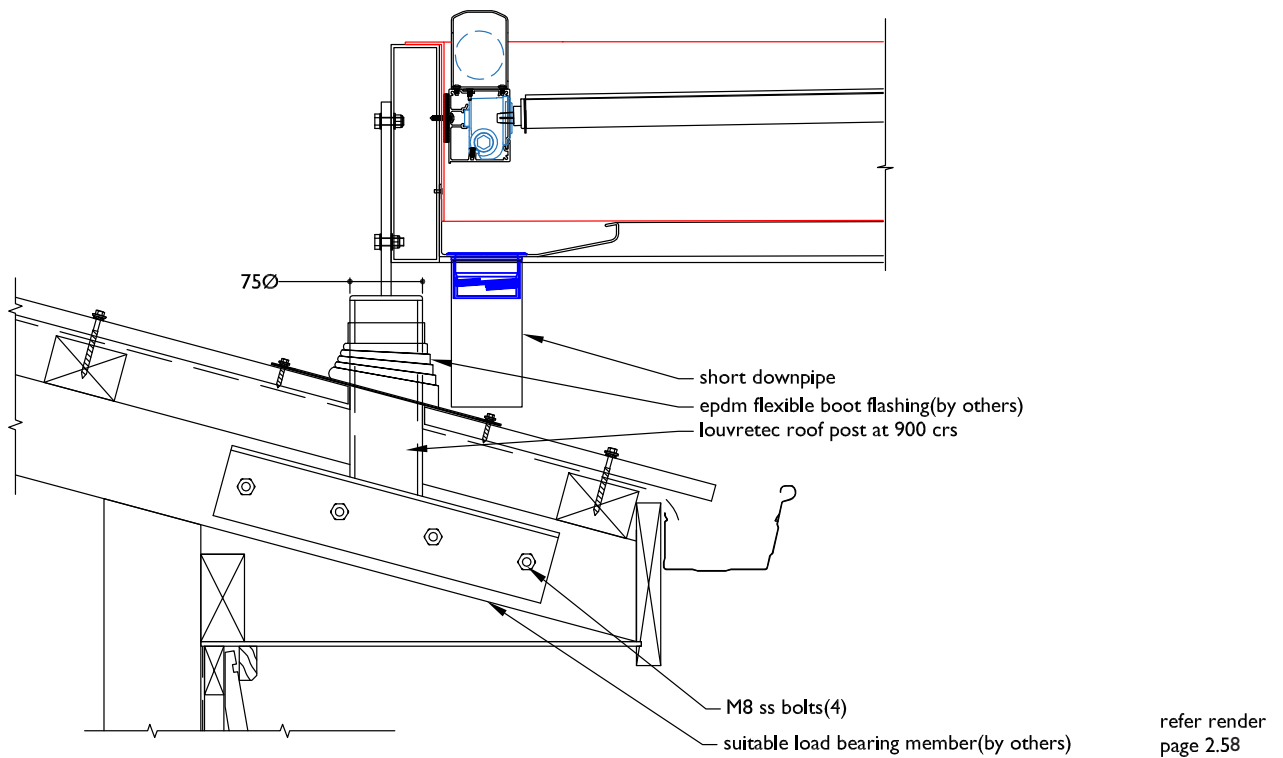
Fixing bracket connected to rafters and flashed accordingly.
Roof iron or tiles need to be lifted for bracket installation.

TYPICAL DETAIL : OPENING ROOFS THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

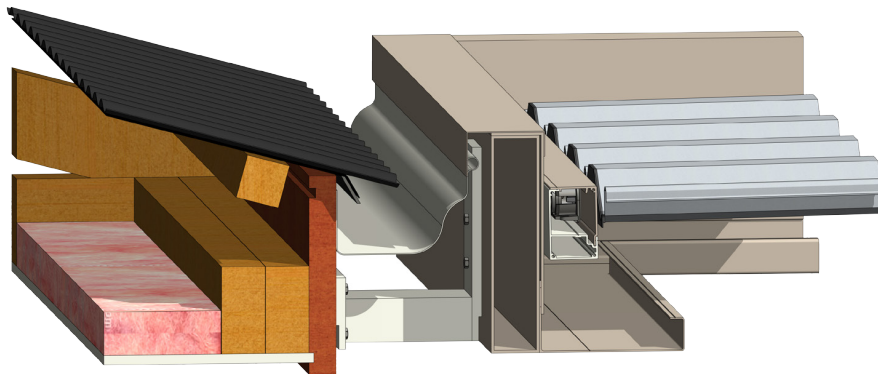
SECTION 1A - BRACED OR FREE STANDING POST - OPENING ROOF FRAME OVER ROOF



SECTION 1B - ROOF BRACKET - OPENING ROOF FRAME FIXED OVER ROOF

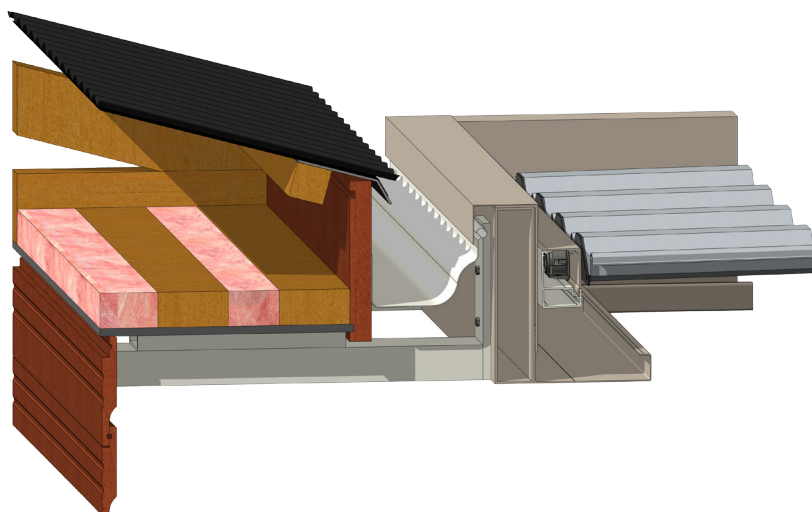


TYPICAL DETAIL 3D MODELS 2A FLUSH TO GUTTER - FASCIA FIXED



Bracket fixed to fascia, box section sits above gutter with cap flashing into gutter.

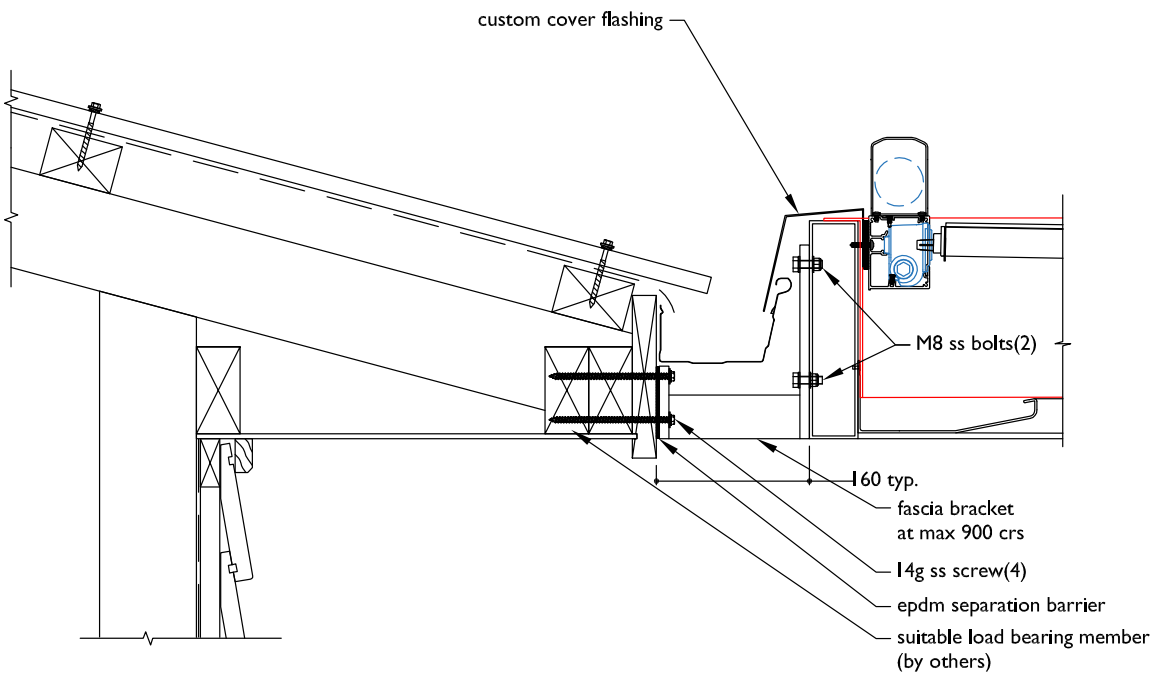
TYPICAL DETAIL 3D MODELS 2B FLUSH TO GUTTER - SOFFIT FIXED



Bracket fixed to underside of soffit, box section sits above gutter with flashing into gutter.

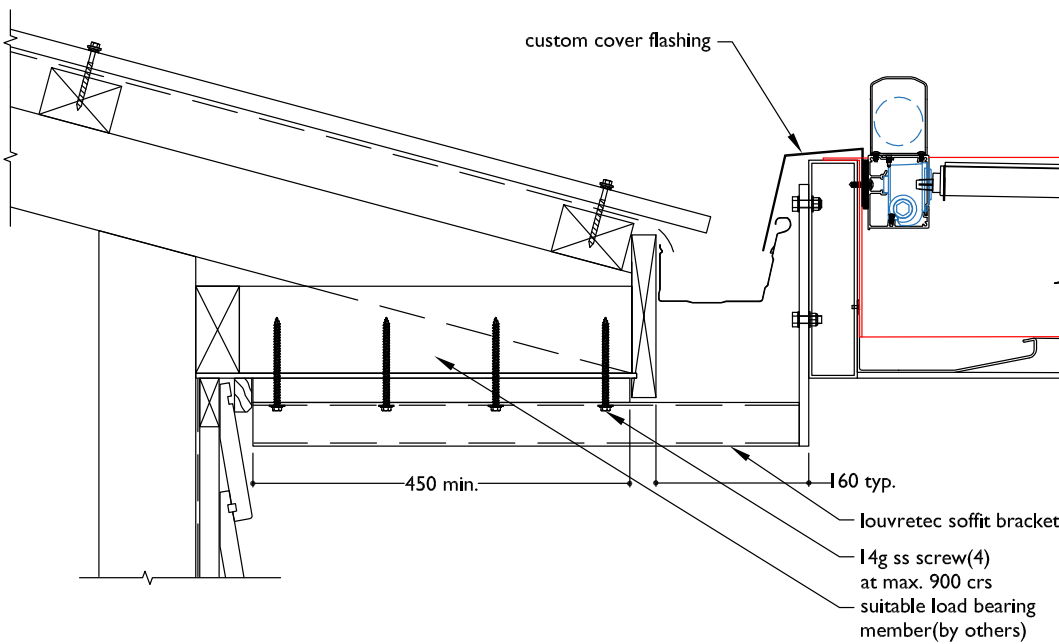
TYPICAL DETAIL : OPENING ROOFS THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

SECTION 2A - FRAME TO FASCIA - FASCIA BRACKET



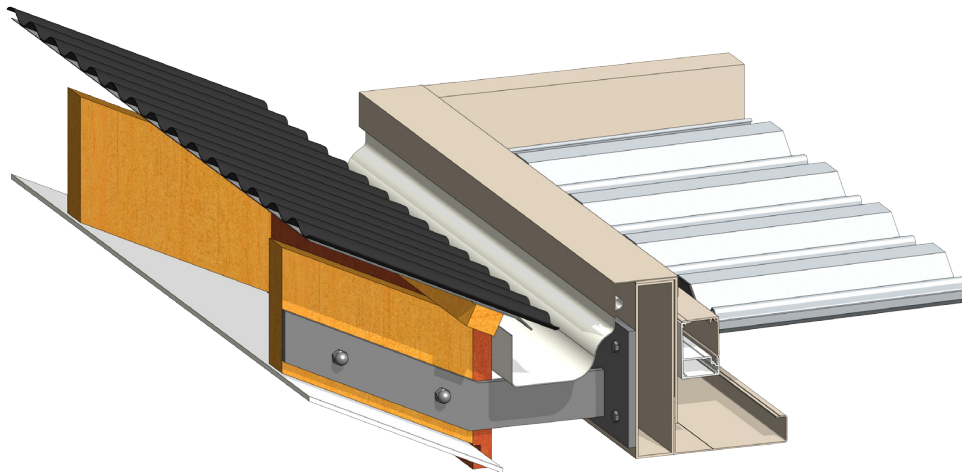
refer render page 2.60

SECTION 2B - FRAME TO FASCIA - SOFFIT BRACKET



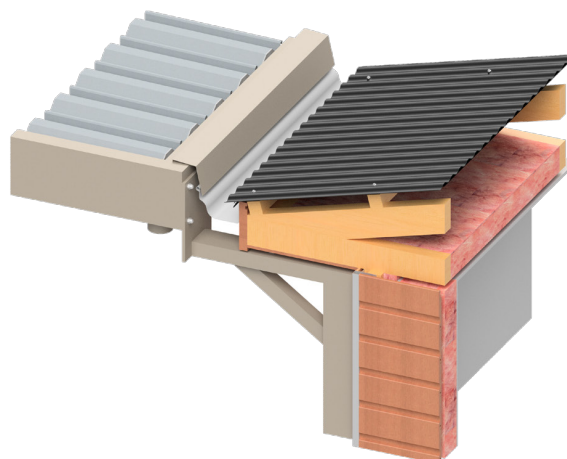
refer render page 2.60

TYPICAL DETAIL 3D MODELS 2C FLUSH TO GUTTER - RAFTER FIXED



Bracket fixed to rafter; box section sits above gutter with cap flashing into gutter.

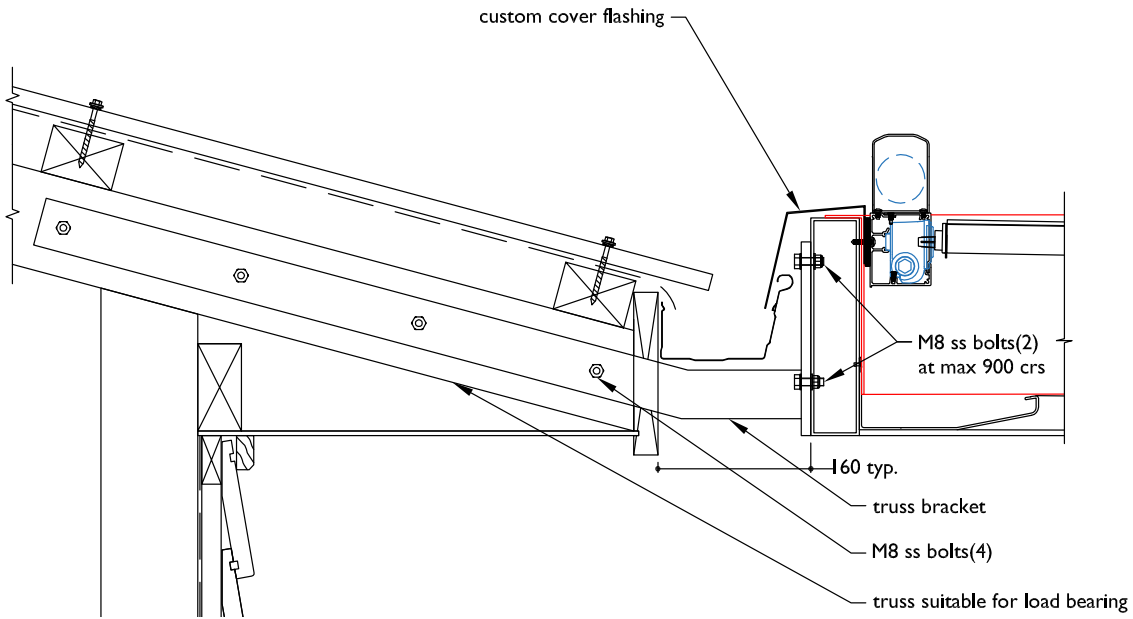
TYPICAL DETAIL 3D MODELS 2D FLUSH TO GUTTER - FREE STANDING



Free standing post supports box section above gutter; with cap flashing into gutter. Use this option when there are no other fixing points and the house cladding is not suitable for structural fixing. If fixing can be found for the post, this will help stability of frame.

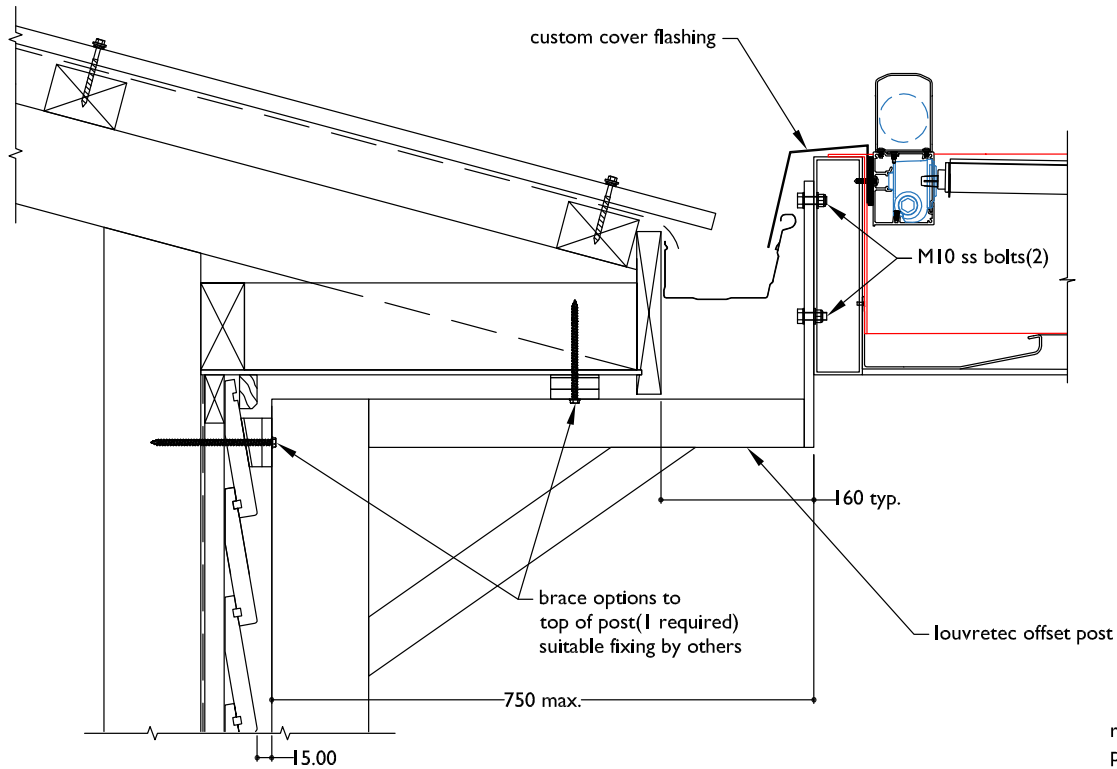
TYPICAL DETAIL : OPENING ROOFS THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

SECTION 2C - FLUSH TO GUTTER - TRUSS OR RAFTER FIXING



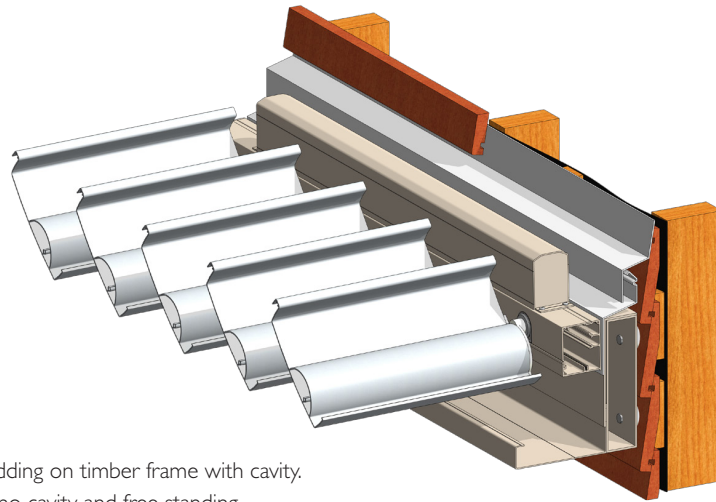
refer render
page 2.62

SECTION 2D - FRAME TO FASCIA - FREE STANDING OR BRACED POST



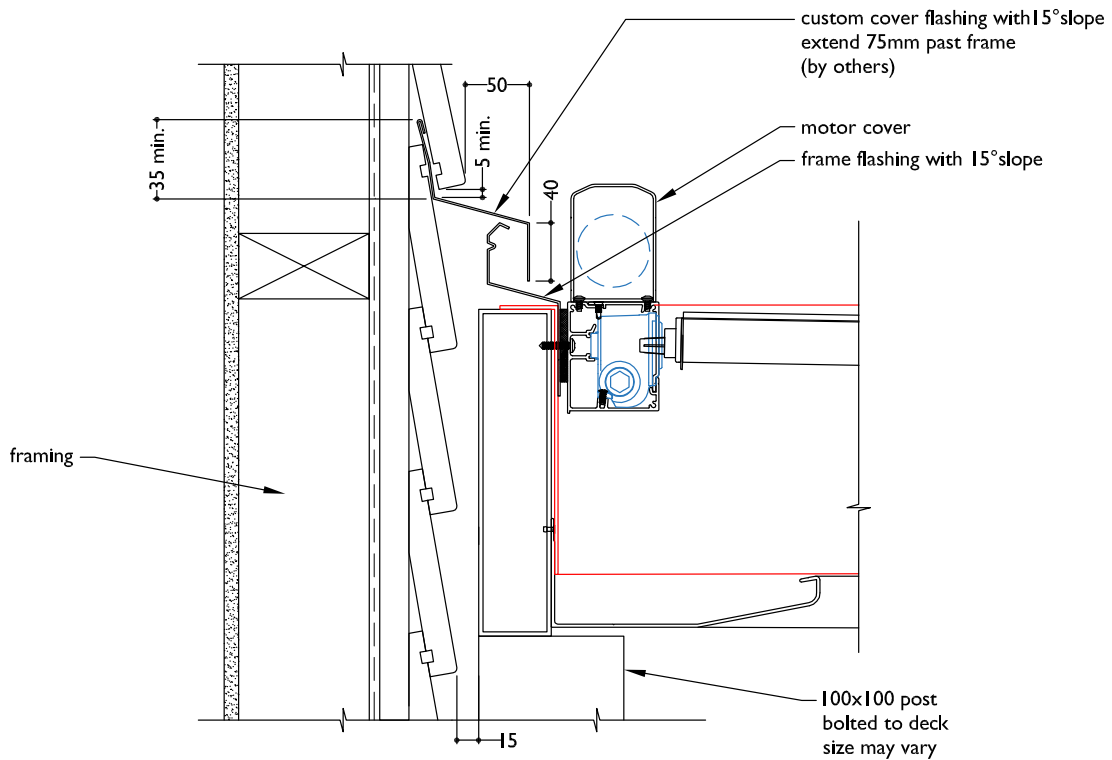
refer render
page 2.62

TYPICAL DETAIL 3D MODELS 3A FIXED DIRECTLY TO BUILDING



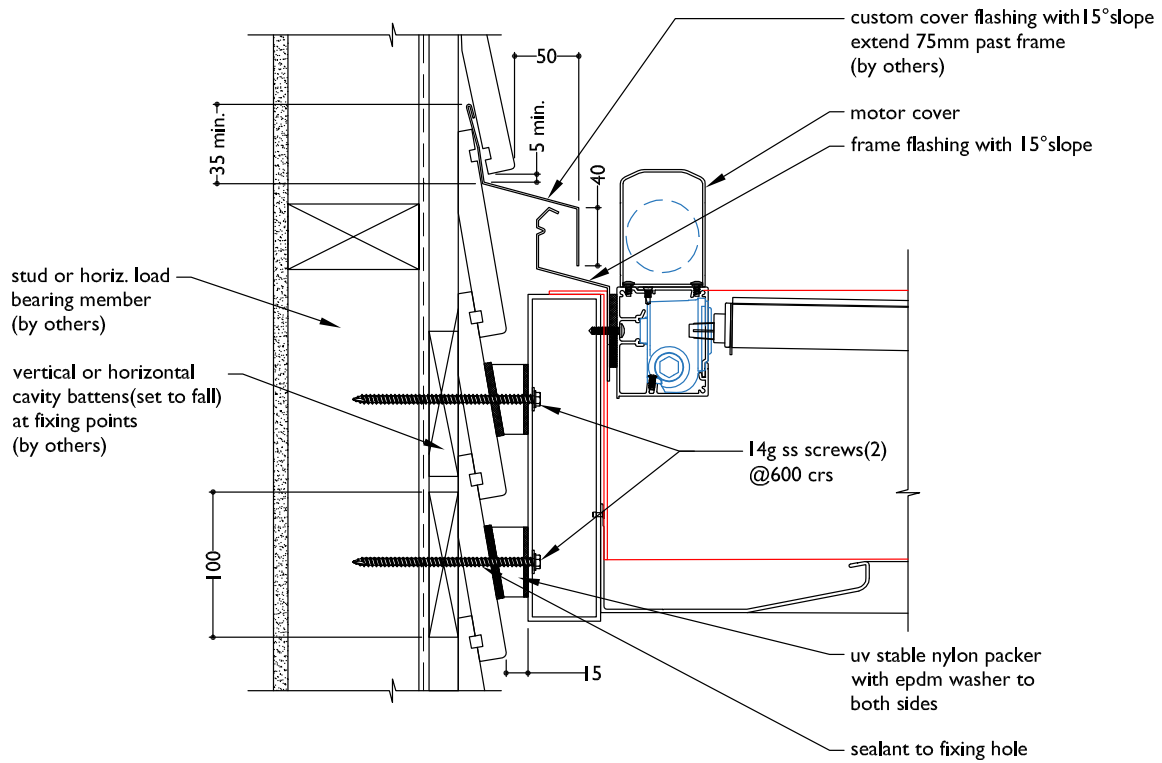
Fixed to weatherboard cladding on timber frame with cavity.
See also option fixed with no cavity and free standing.

SECTION 3A - OPTION WEATHERBOARD ON TIMBER FRAME FREE STANDING

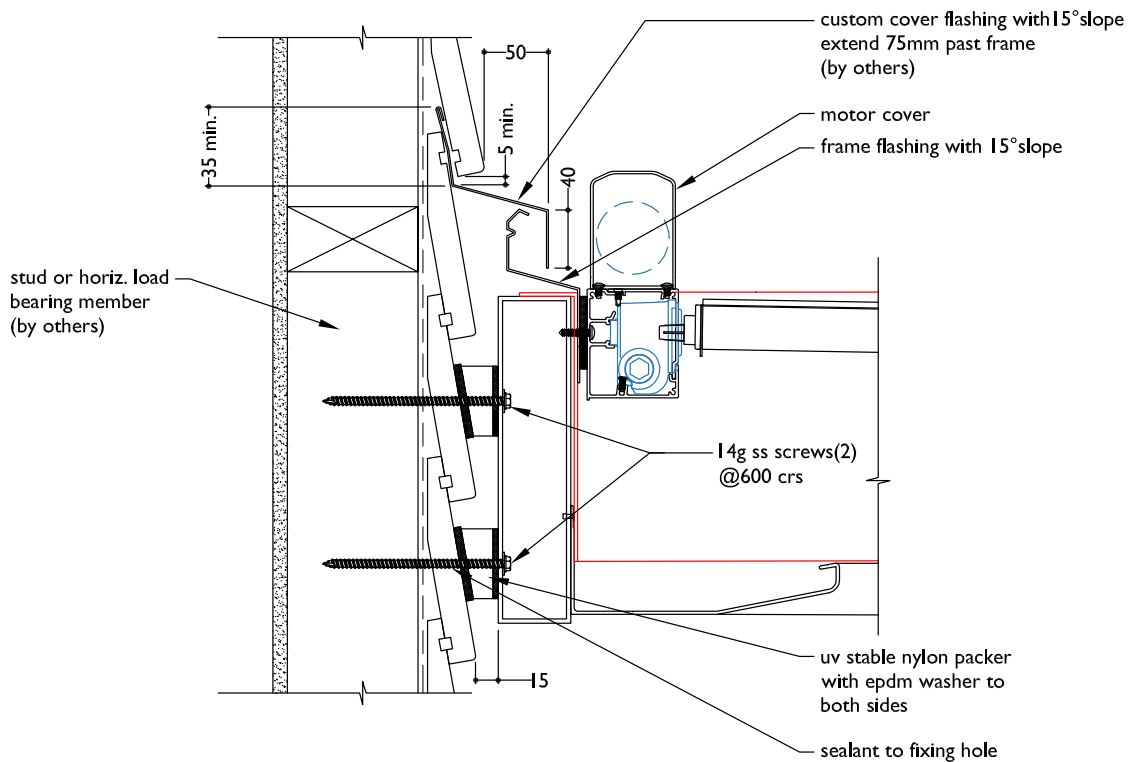


OPENING ROOFS - THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

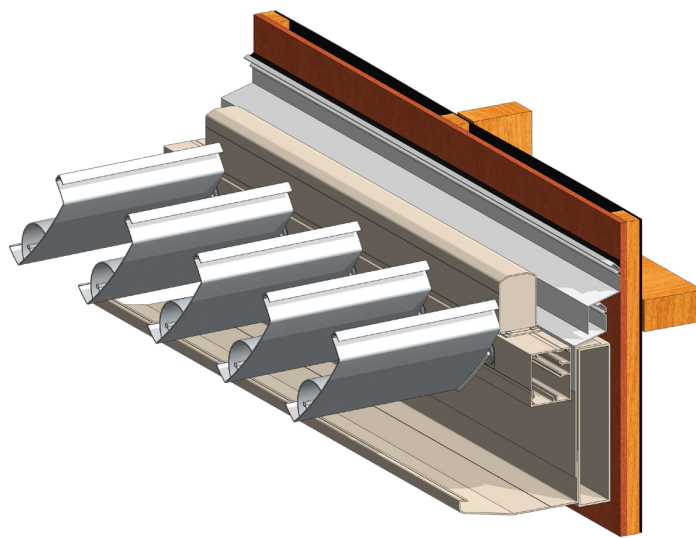
SECTION 3A - OPTION WEATHERBOARD ON TIMBER FRAME WITH CAVITY



SECTION 3A - OPTION WEATHERBOARD ON TIMBER FRAME



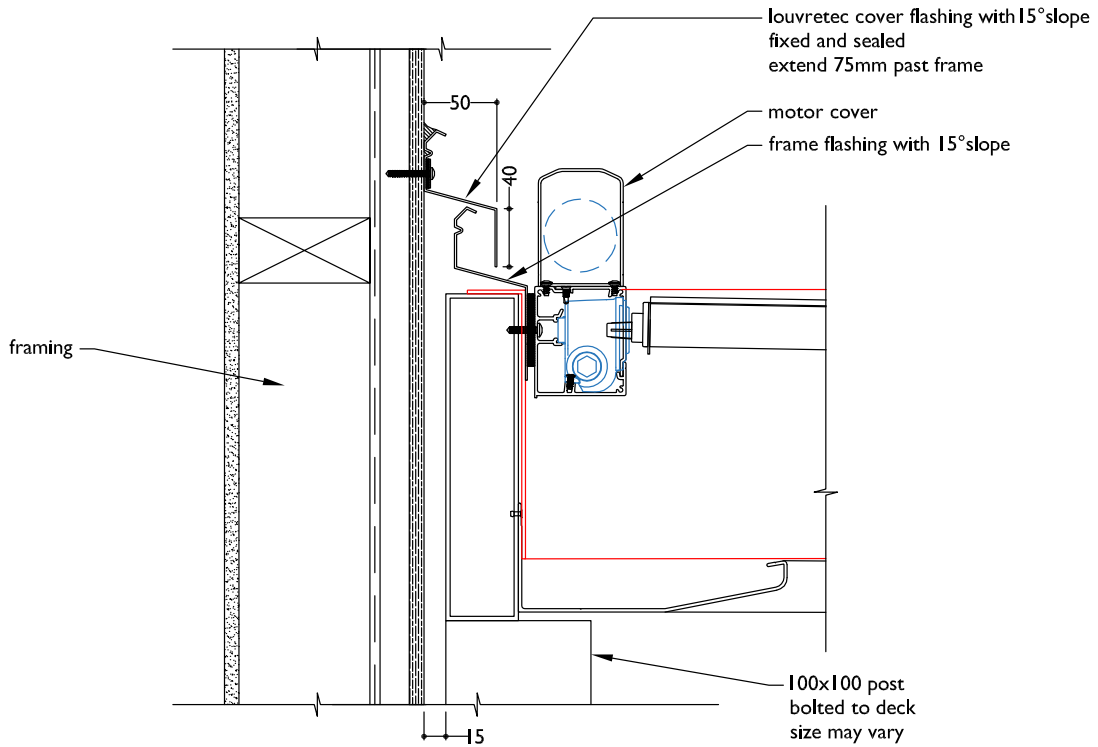
TYPICAL DETAIL 3D MODELS 3B FIXED DIRECTLY TO BUILDING



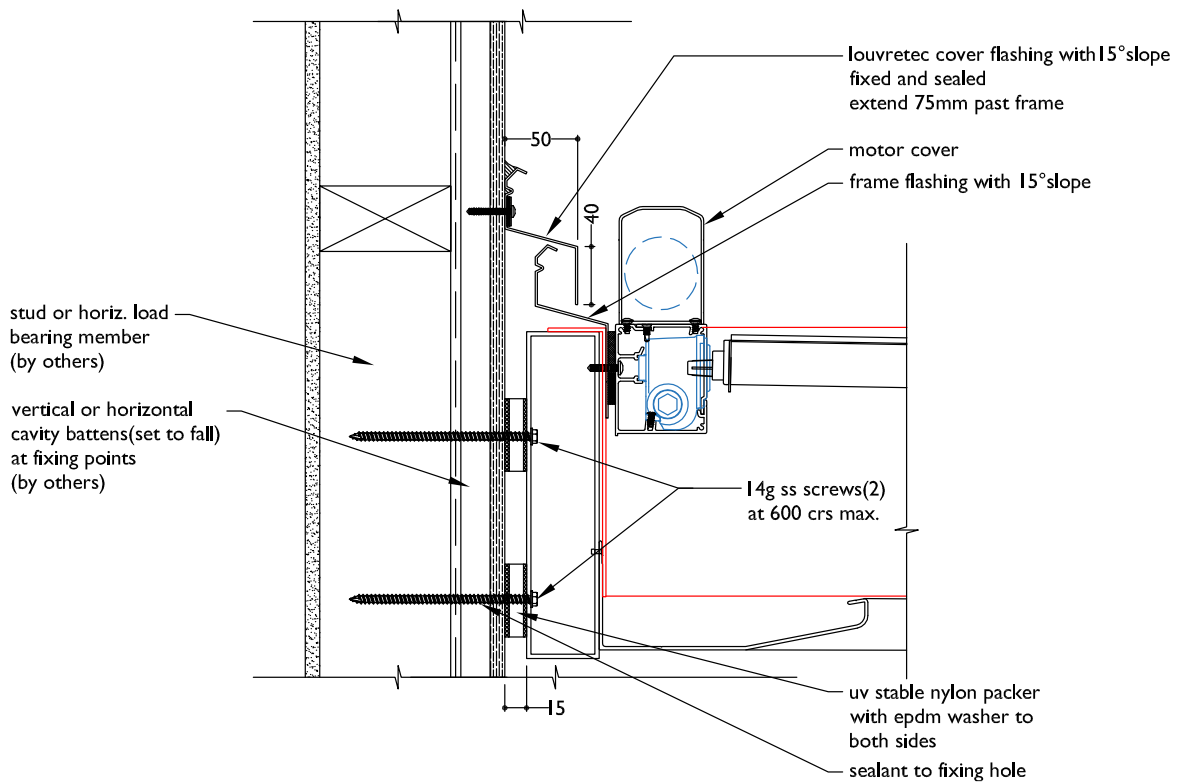
Free standing or fixed to sheet on timber frame.

TYPICAL DETAIL - OPENING ROOF FRAME FIXED TO BUILDING

SECTION 3B - OPTION SHEET ON TIMBER FRAME - FREE STANDING

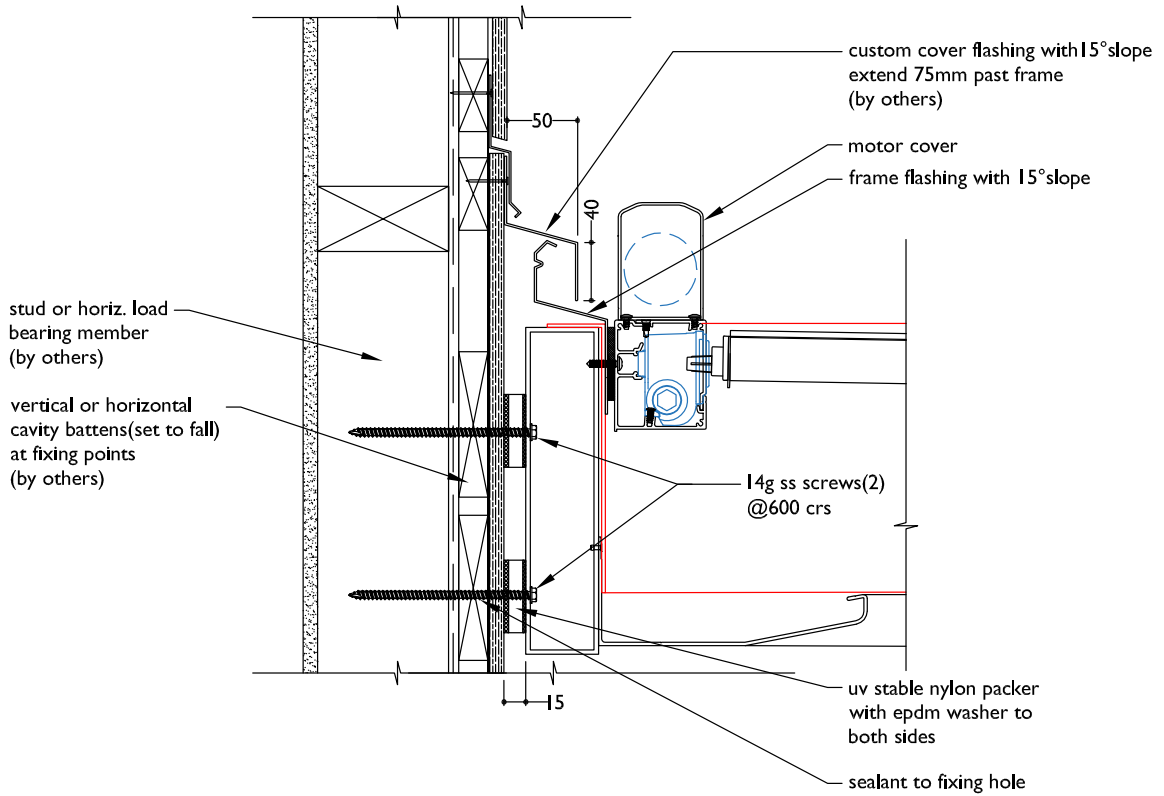


**SECTION 3B - OPTION SHEET ON TIMBER FRAME
FIXED COVER FLASHING**

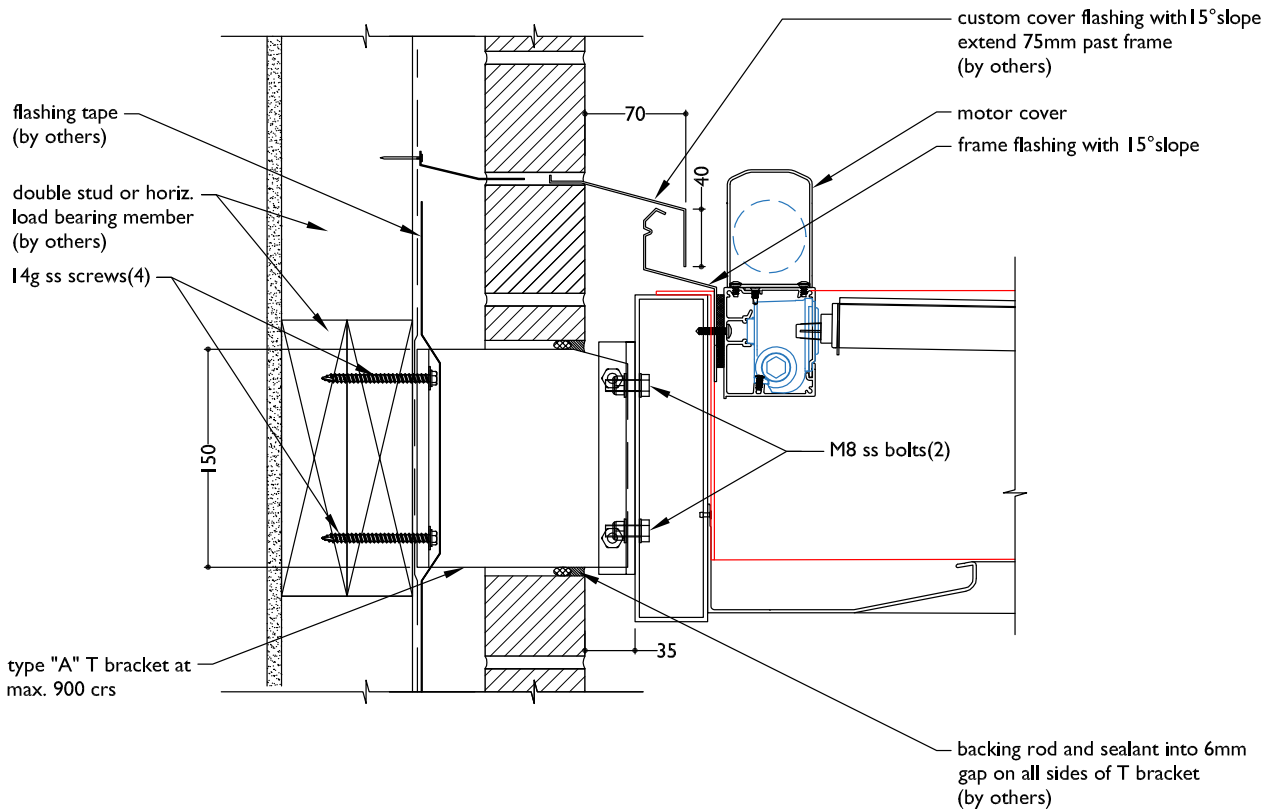


OPENING ROOFS - THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

SECTION - 3B - OPTION SHEET ON TIMBER FRAME

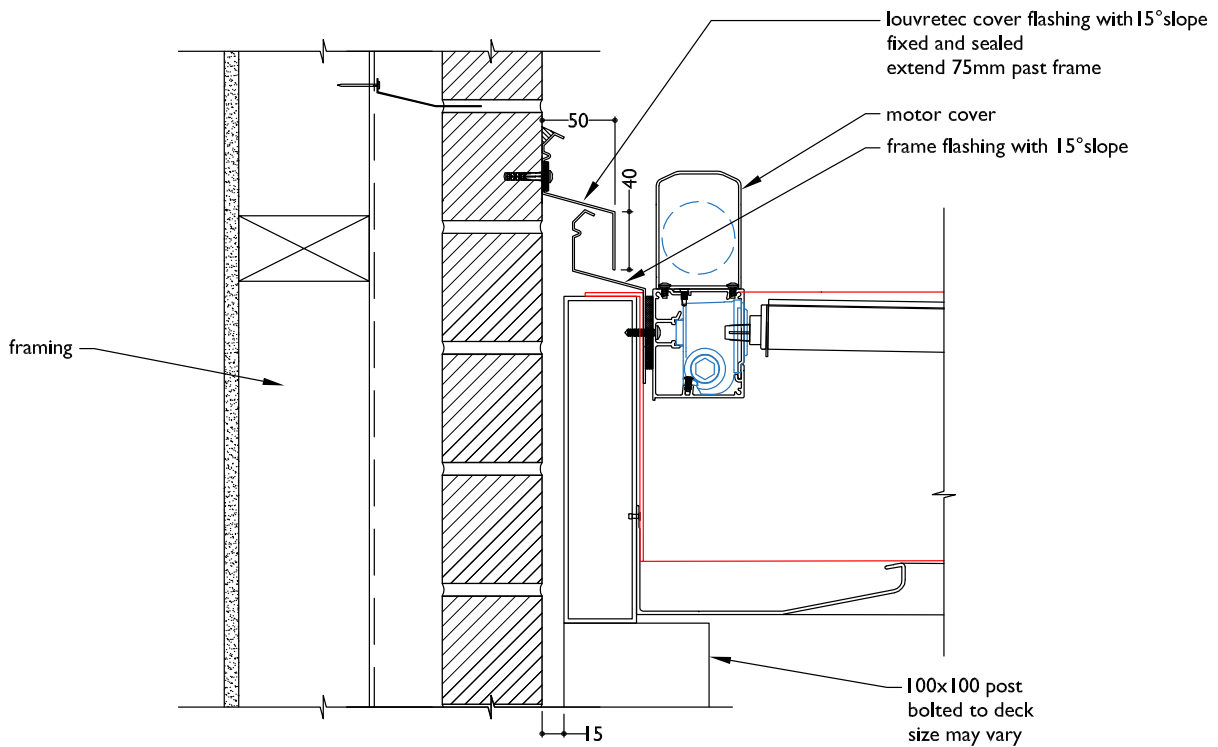


SECTION - BRICK ON TIMBER FRAME

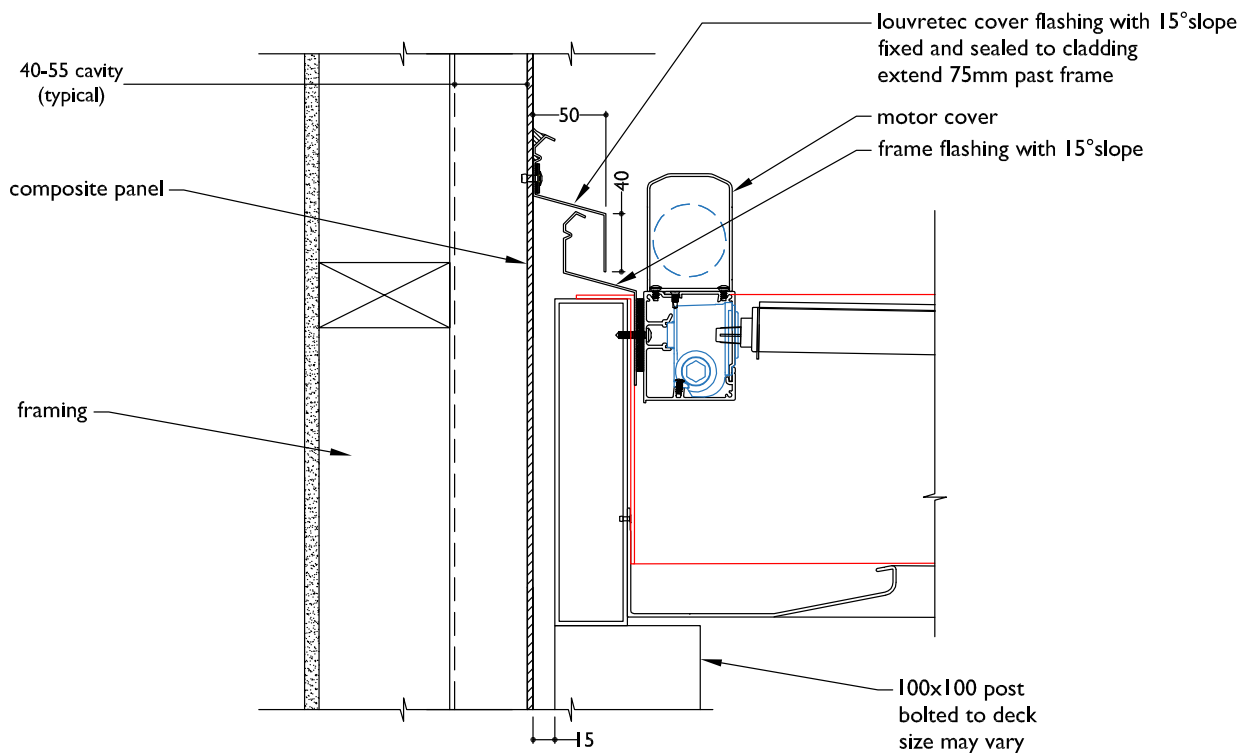


OPENING ROOFS - THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

**SECTION - BRICK ON TIMBER FRAME FREE STANDING
FIXED COVER FLASHING**

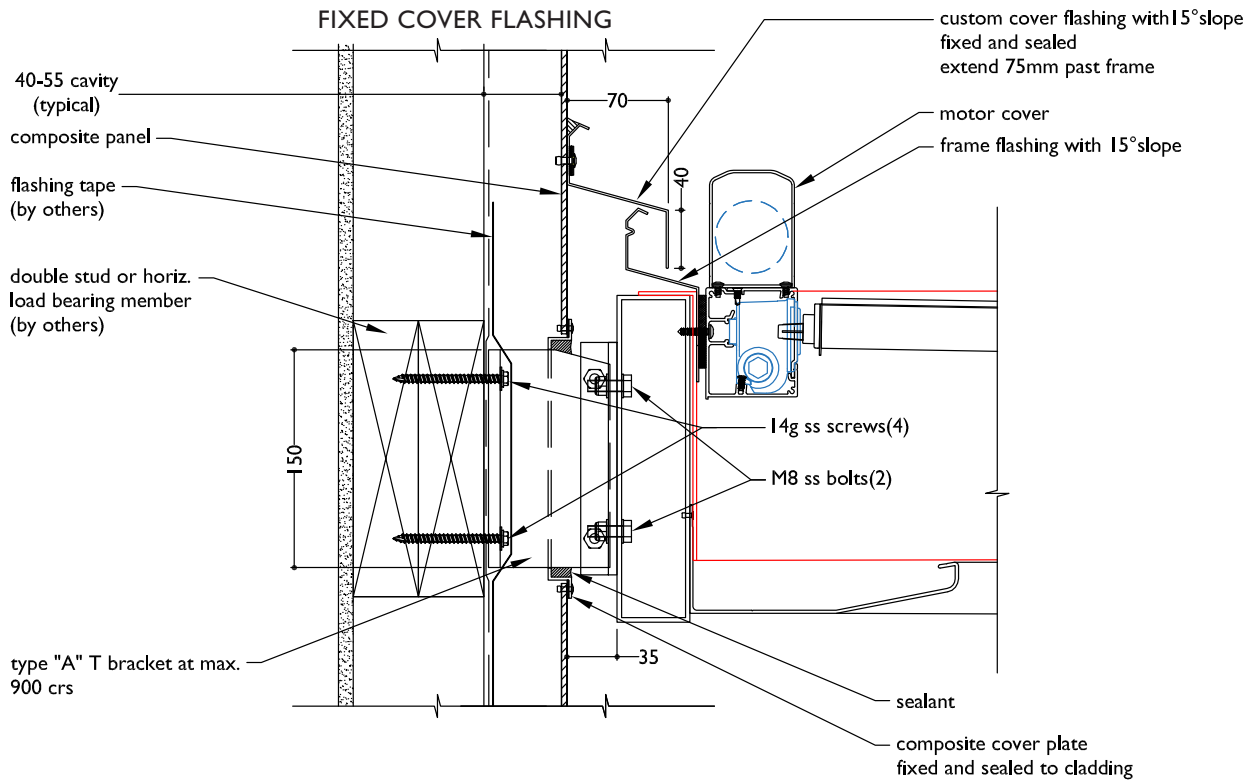


**SECTION - COMPOSITE PANEL ON TIMBER FRAME FREE STANDING
FIXED COVER FLASHING**

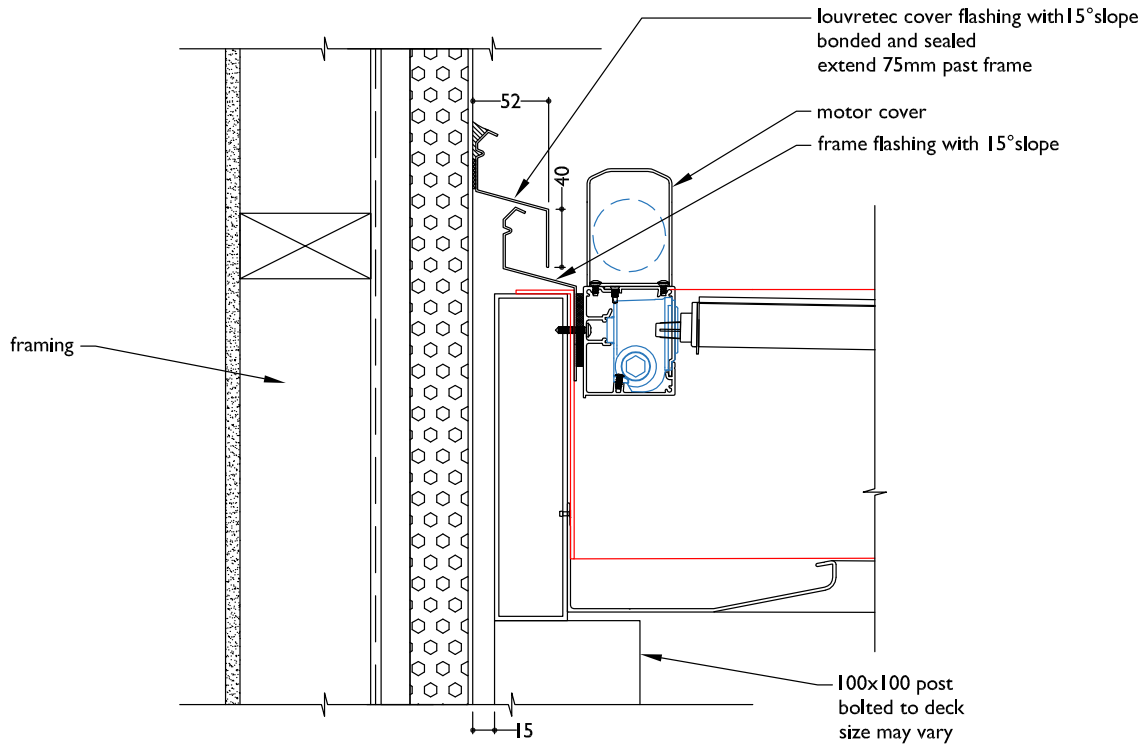


OPENING ROOFS - THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

**SECTION - COMPOSITE PANEL ON TIMBER FRAME
FIXED COVER FLASHING**

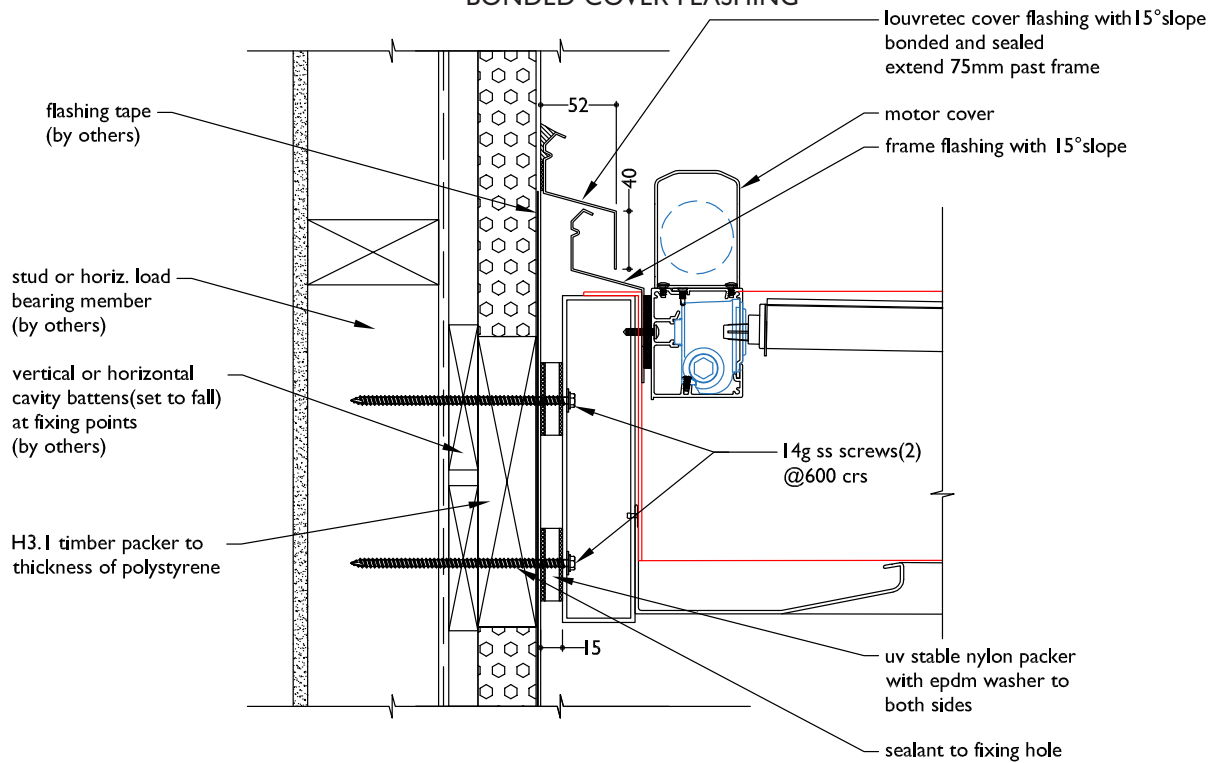


**SECTION - POLYSTYRENE ON TIMBER FRAME - FREE STANDING
BONDED COVER FLASHING**

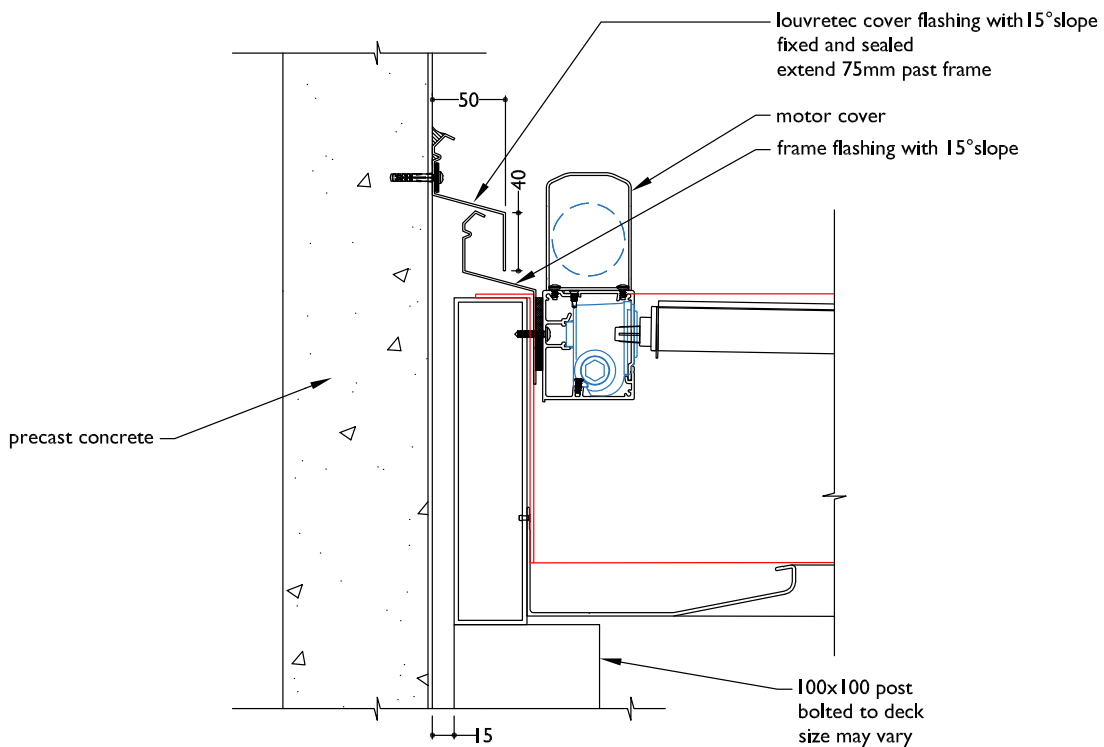


OPENING ROOFS - THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

**SECTION - POLYSTYRENE ON TIMBER FRAME - FIXED TO BUILDING
BONDED COVER FLASHING**

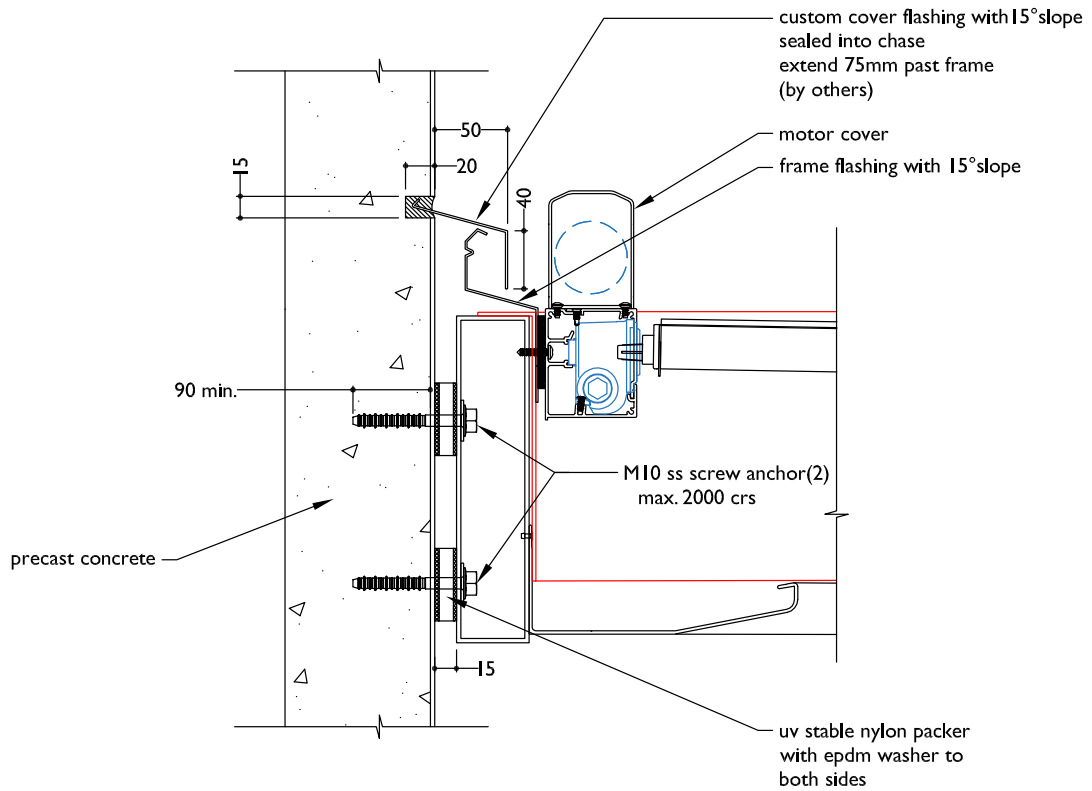


**SECTION - CONCRETE - FREE STANDING
FIXED COVER FLASHING**

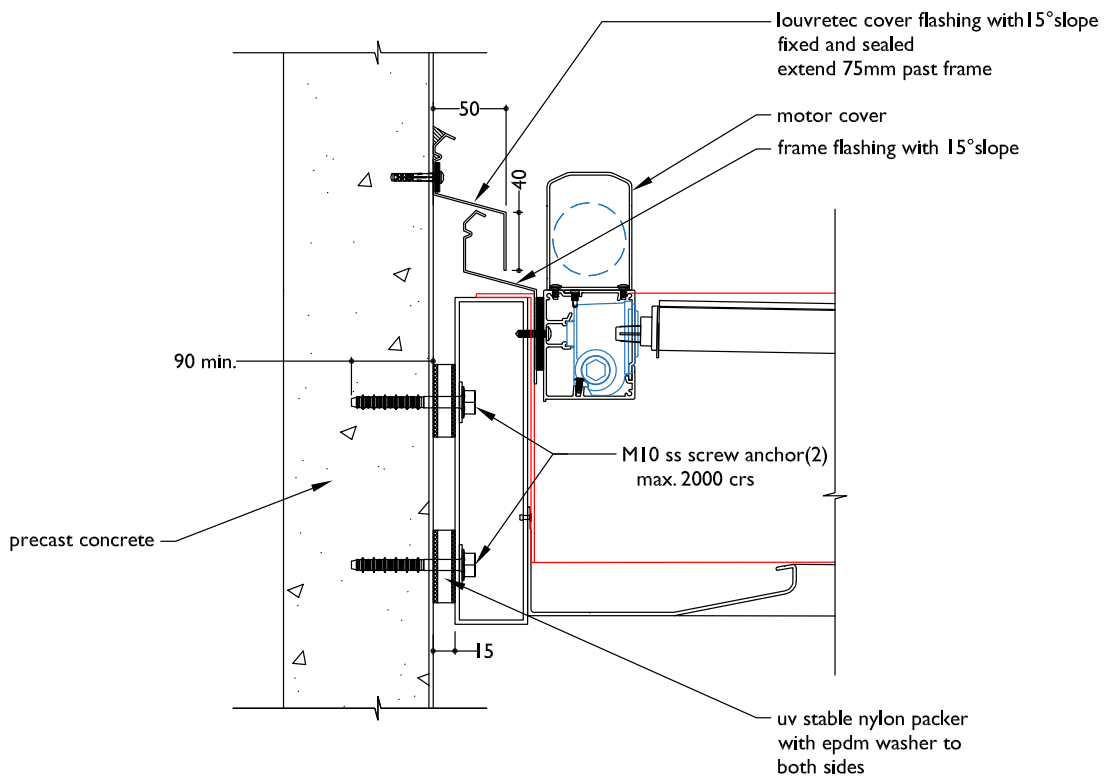


OPENING ROOFS - THE STRUCTURAL FRAME - CONNECTING TO THE BUILDING

SECTION - CONCRETE WITH CHASE

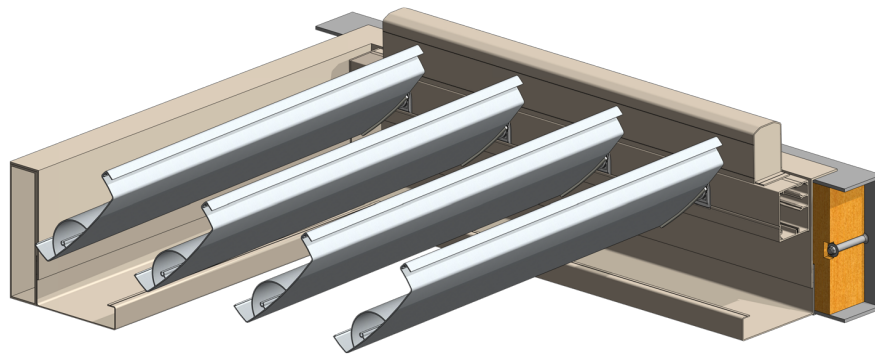


SECTION - CONCRETE NO CHASE, FIXED COVER FLASHING



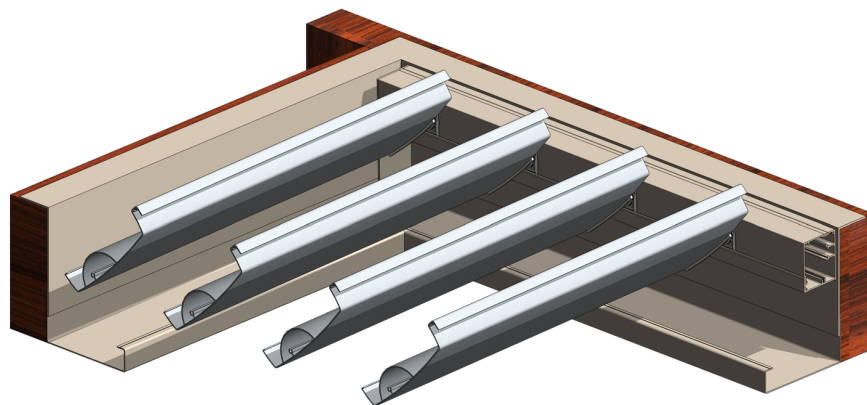
TECHNICAL DETAILS FIXING TO ALTERNATIVE FRAMES

TYPICAL DETAIL 3D MODELS OPENING ROOF FIXING TO P.F.C



Inside face must be flush to fit the Opening Roof gutter and pivot system onto.

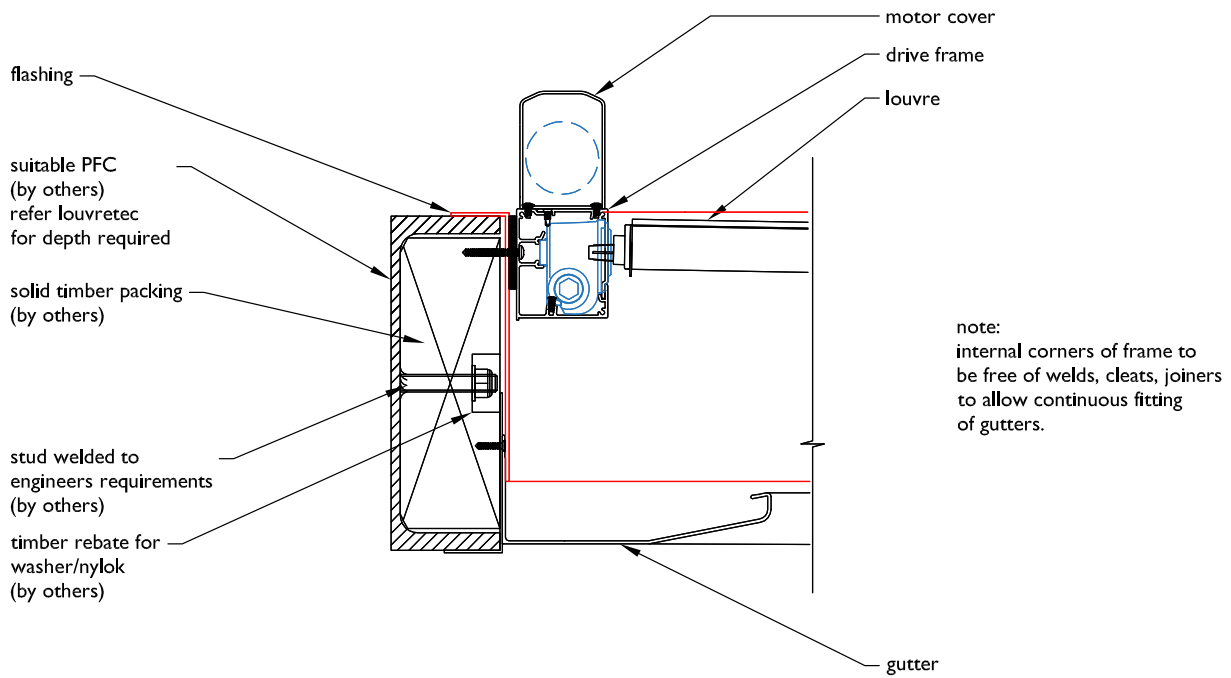
TYPICAL DETAIL 3D MODELS OPENING ROOF FIXING TO TIMBER BEAM



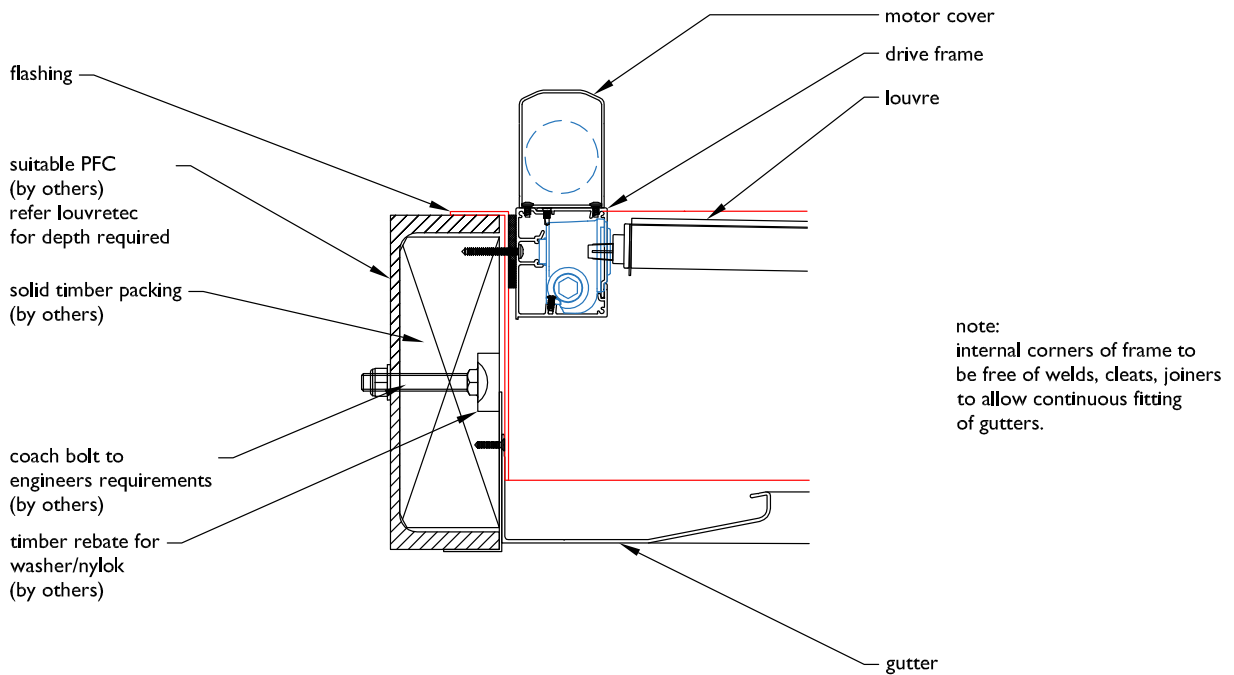
To reduce twisting, warping or movement, Glulam Laminated Beams (or similar) are recommended.

OPENING ROOFS - THE STRUCTURAL FRAME - FIXED TO ALTERNATIVE FRAME

SECTION - PFC WITH WELDED STUDS FOR TIMBER INFILL

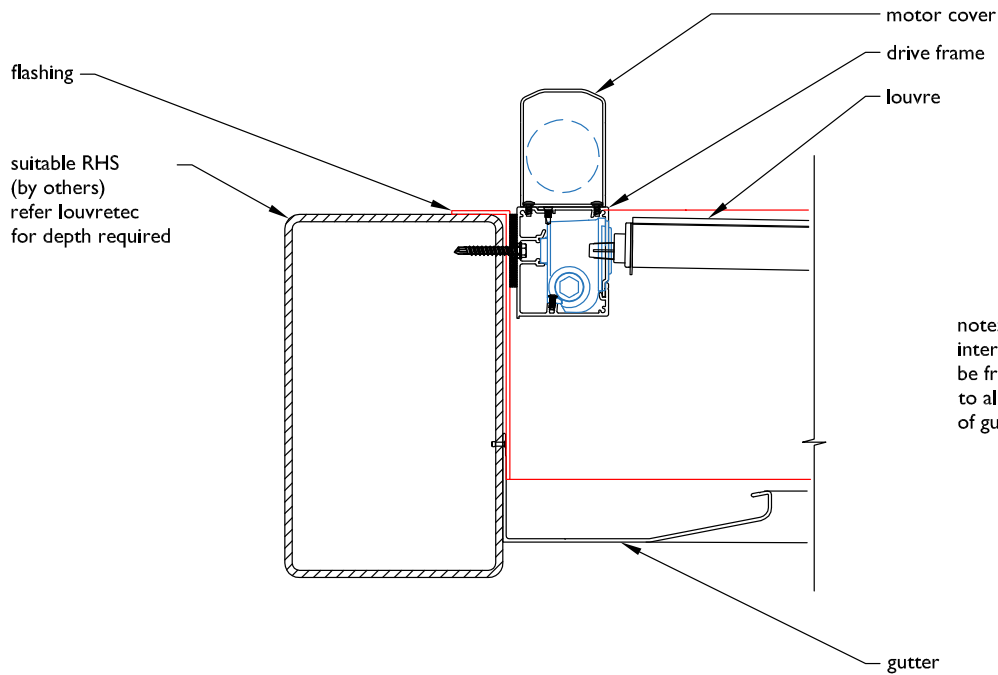


SECTION - PFC WITH BOLTED TIMBER INFILL



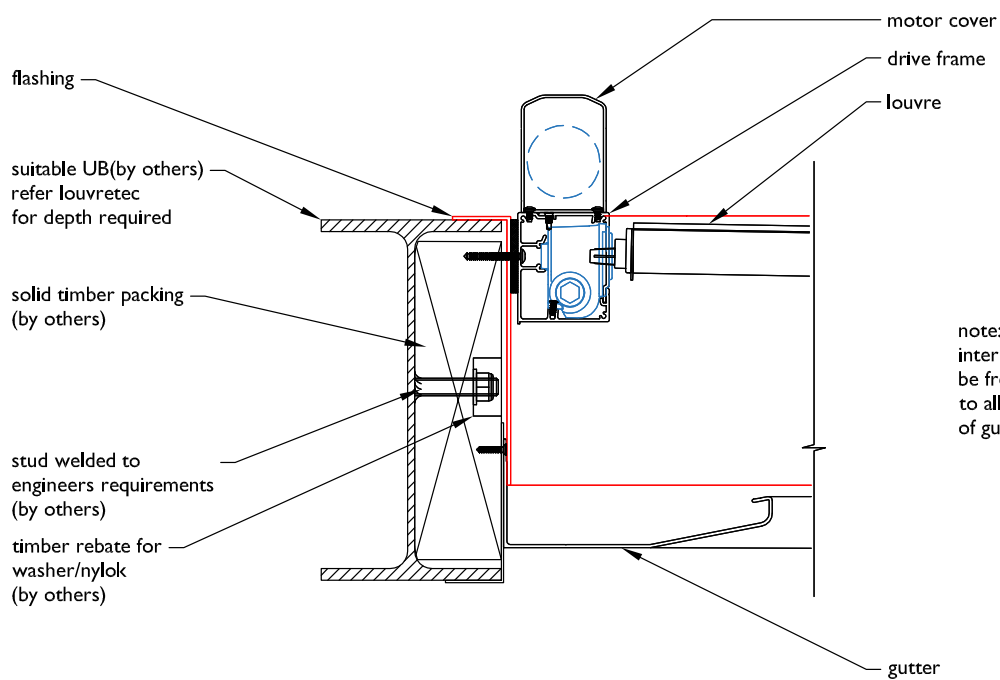
OPENING ROOFS - OPENING ROOF FRAME FIXED TO ALTERNATIVE FRAME

SECTION - STEEL RHS



note:
internal corners of frame to
be free of welds, cleats, joiners
to allow continuous fitting
of gutters.

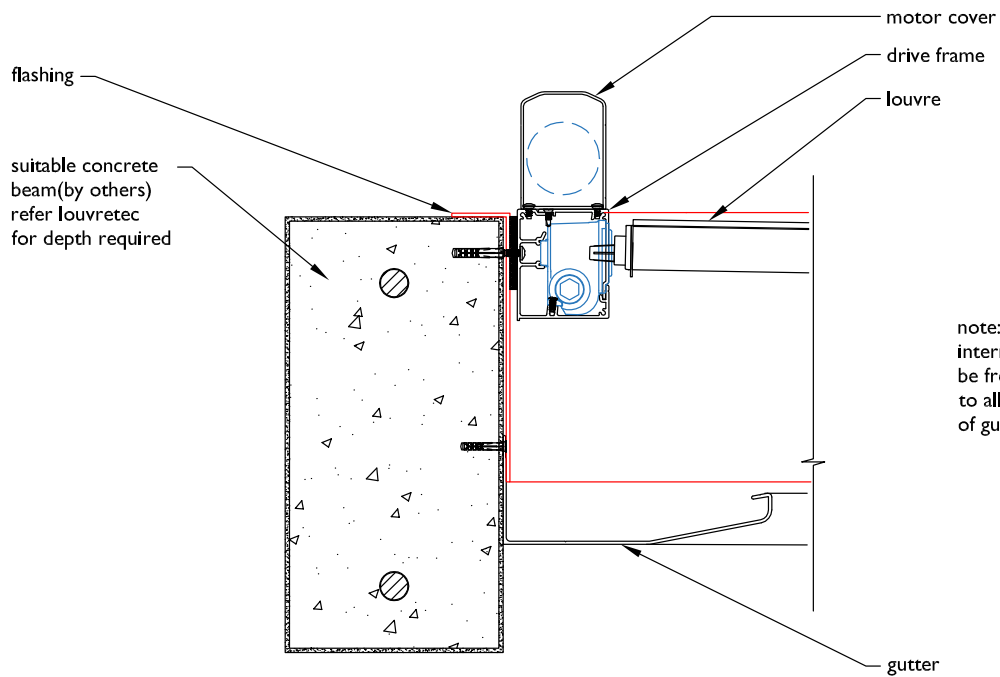
SECTION - STEEL UNIVERSAL BEAM



note:
internal corners of frame to
be free of welds, cleats, joiners
to allow continuous fitting
of gutters.

TYPICAL DETAIL - OPENING ROOF FRAME FIXED TO ALTERNATIVE FRAME

SECTION - CONCRETE BEAM



SECTION - TIMBER BEAM

