

SIPS

INDUSTRIES

TYPICAL DETAILS



TYPICAL DETAILS MANUAL



REV

E



DETAIL LIST AND DESCRIPTION

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D103	Detail 103	Sole Plate - Concrete Fixing	E
D105	Detail 105	Concrete Set Down Detailing	E
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DISCLAIMER

THE DETAILS PORTRAYED IN THIS MANUAL ARE FOR DESIGNERS REFERENCE AND GUIDANCE ONLY. THESE ARE SIPS INDUSTRIES PRODUCT TYPICAL DETAILS. THE DETAILS INCLUDED ARE NOT DEFINITIVE AND WILL LACK THE WATERPROOFING, FINISHING AND OFTEN THE SPECIFIC ENGINEERING OF A PARTICULAR PROJECT. CARE MUST BE TAKEN WHEN REPLICATING THESE DETAILS TO ENSURE THE SPECIFIC PROJECT DETAILS ARE ENTIRELY CORRECT. DETAILS ARE FOR REFERENCE, CLARITY OF INFORMATION AND ARE NOT CONCLUSIVE, SHOULD YOU NEED MORE CLARITY OF DETAILING OR WISH TO SEE ADDITIONAL DETAILING, PLEASE CONTACT SIPS INDUSTRIES TECHNICAL TEAM. SIPS INDUSTRIES DO NOT ACCEPT ANY LIABILITY FOR PROJECT DETAILING.



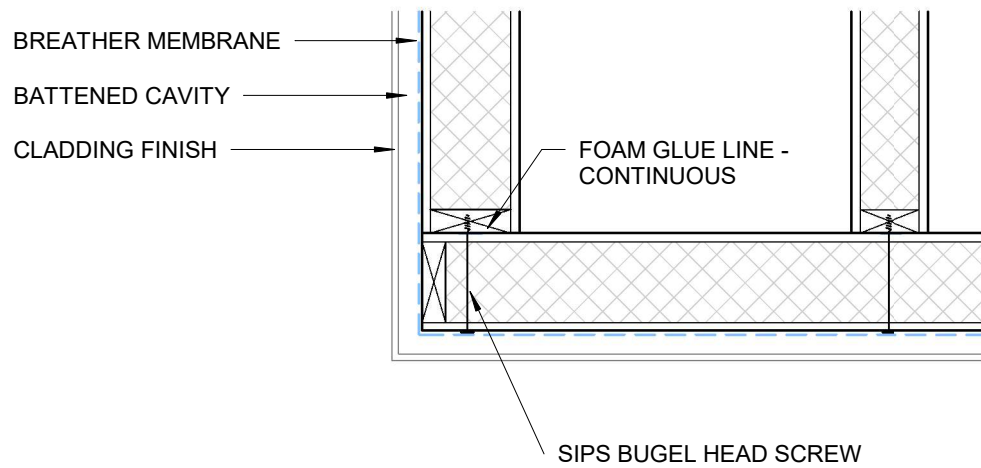
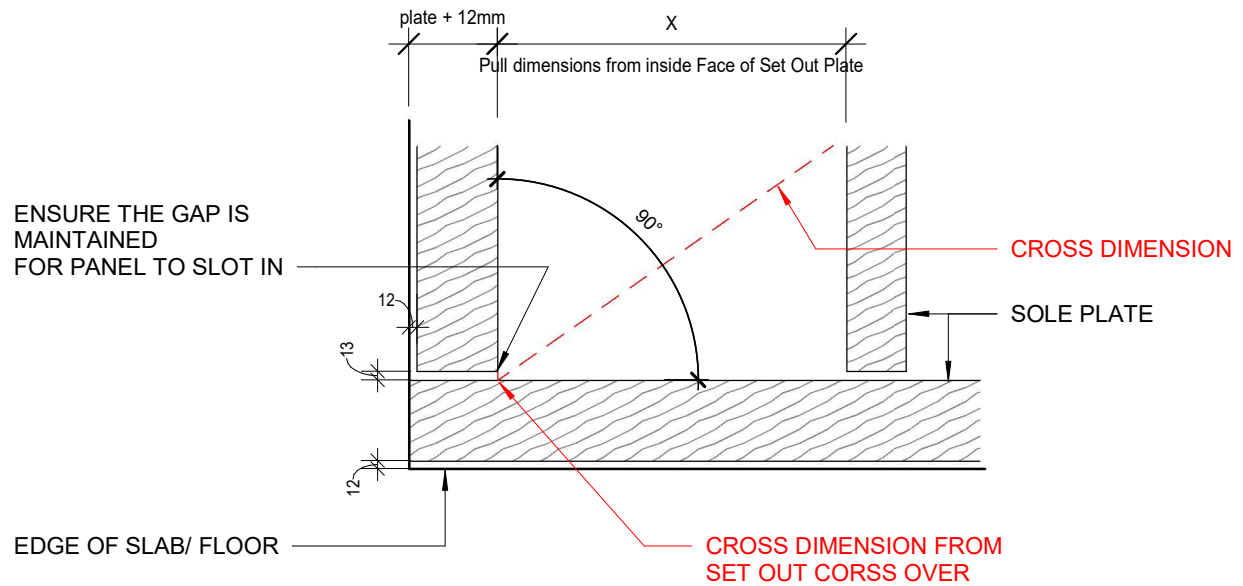
REFER TO SIPS INDUSTRIES FLOOR, WALL AND ROOF SPECIFICATIONS FOR STRUCTURAL AND FIXING INFORMATION, TO BE REVIEWED IN CONJUNCTION WITH THESE DETAILS.

SIPS INDUSTRIES HAVE WORKED ON VARIOUS PROJECTS AND THE DETAILS HERewith ARE MERELY TYPICAL CONSTRUCTION DETAILS, FOR ADDITIONAL DETAILS OR MORE COMPLEX DETAILS, THERE IS A GOOD POSSIBILITY THAT SIPS INDUSTRIES HAVE DETAILS THAT MAY ASSIST, PLEASE CONTACT SIPS INDUSTRIES TECHNICAL DEPARTMENT FOR SUCH INFORMATION

SIPS INDUSTRIES WILL UPDATE SPECIFICATIONS AND DETAILS ON A REGULAR BASIS AS REQUIRED BY INDUSTRY STANDARDS OR PRODUCT AMENDMENTS REQUIRE, IT IS ADVISED YOU CHECK OUR WESITE DOWNLOAD SECTION [WWW.SIPSINDUSTRIES.COM.AU] TO ENURE YOU HAVE THE CURRENT FILES.

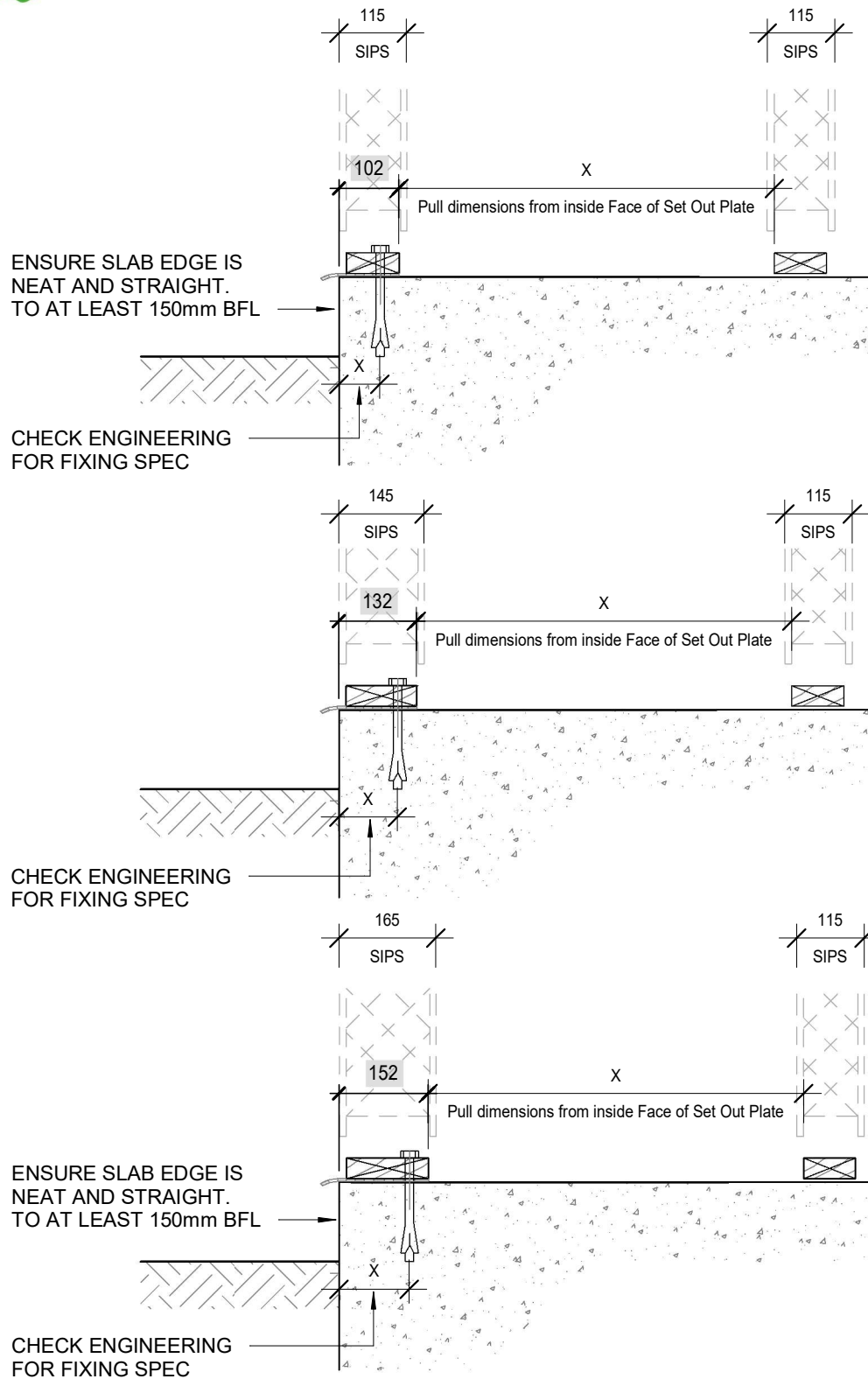


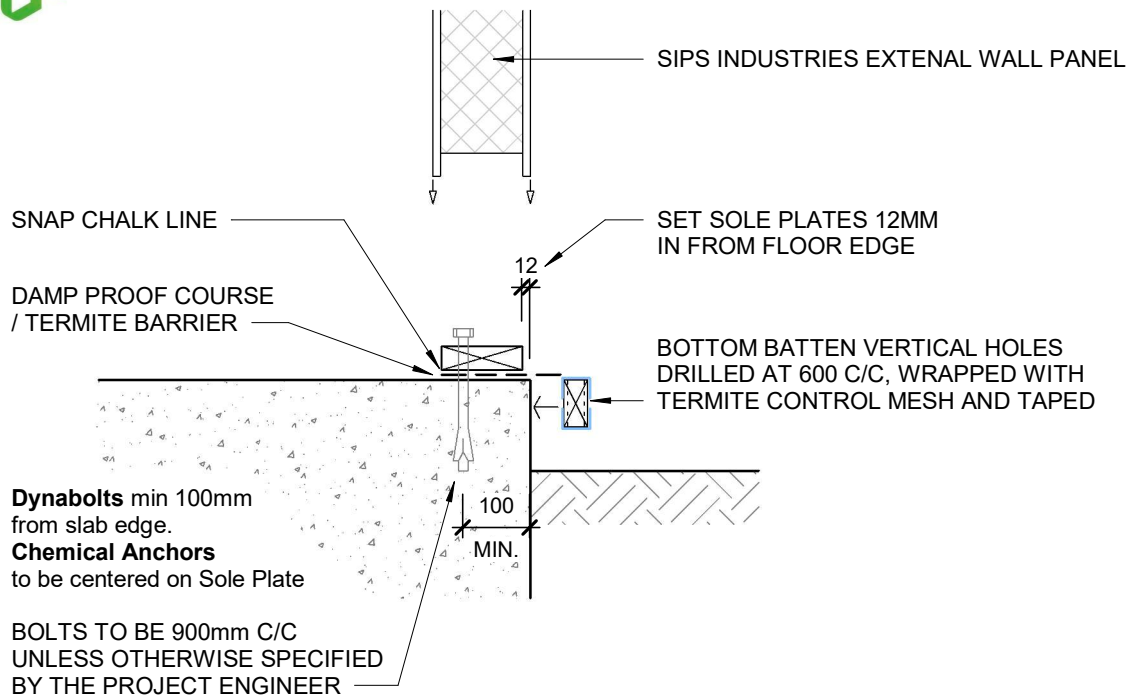
Corner Set Out



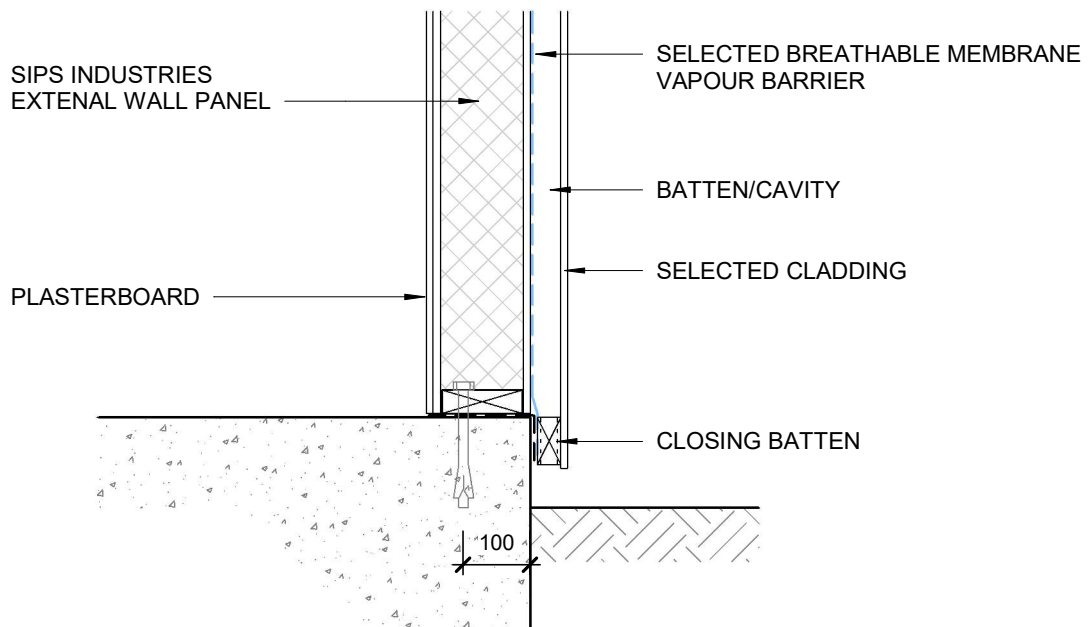


Sole Plate Set Out





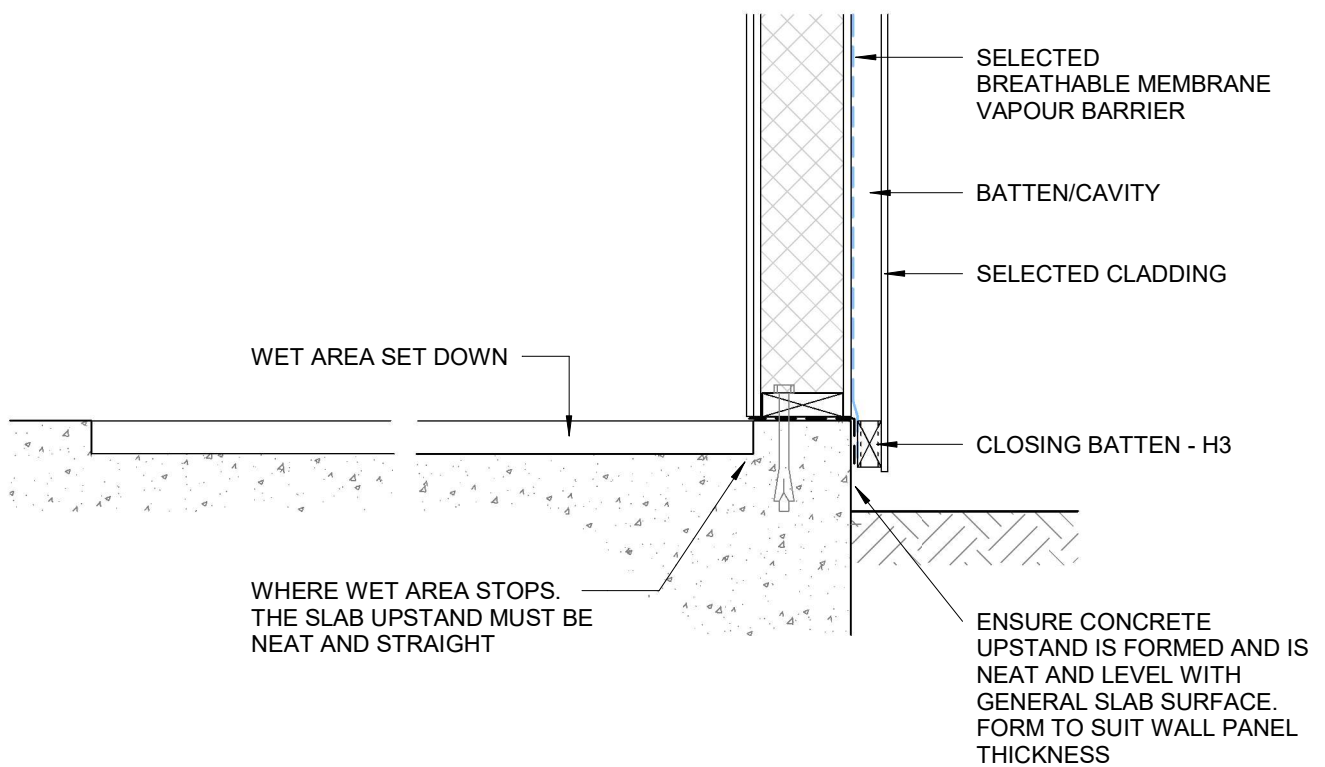
Sole Plate Section - Concrete Floor Part 1

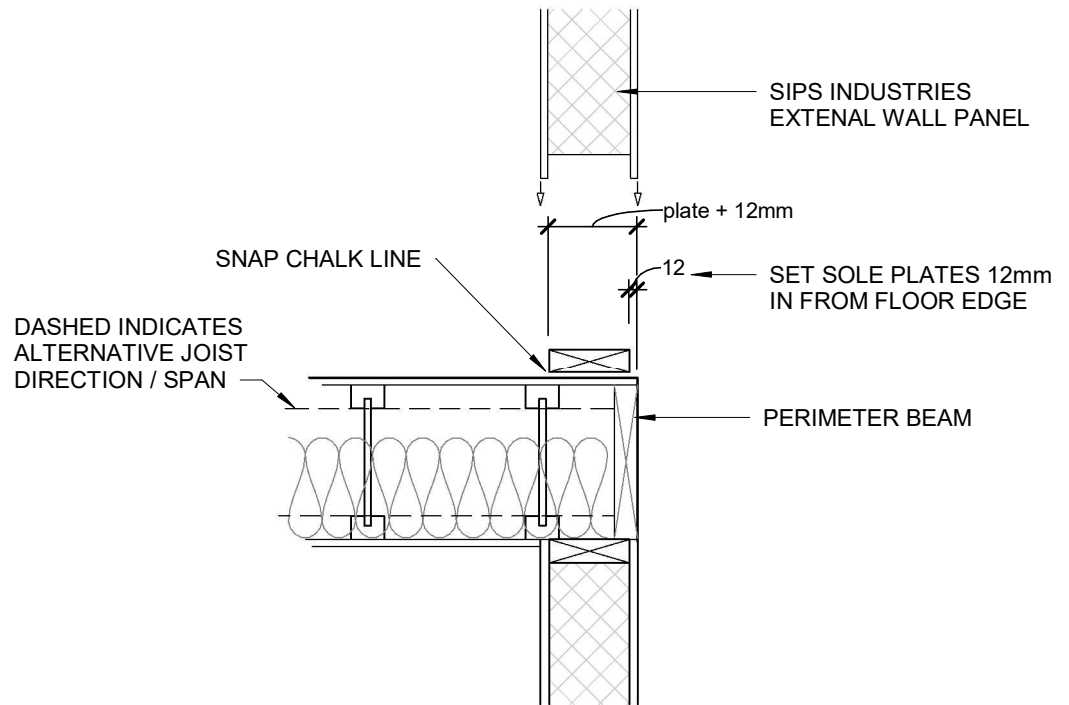


Sole Plate Section - Concrete Floor Part 2

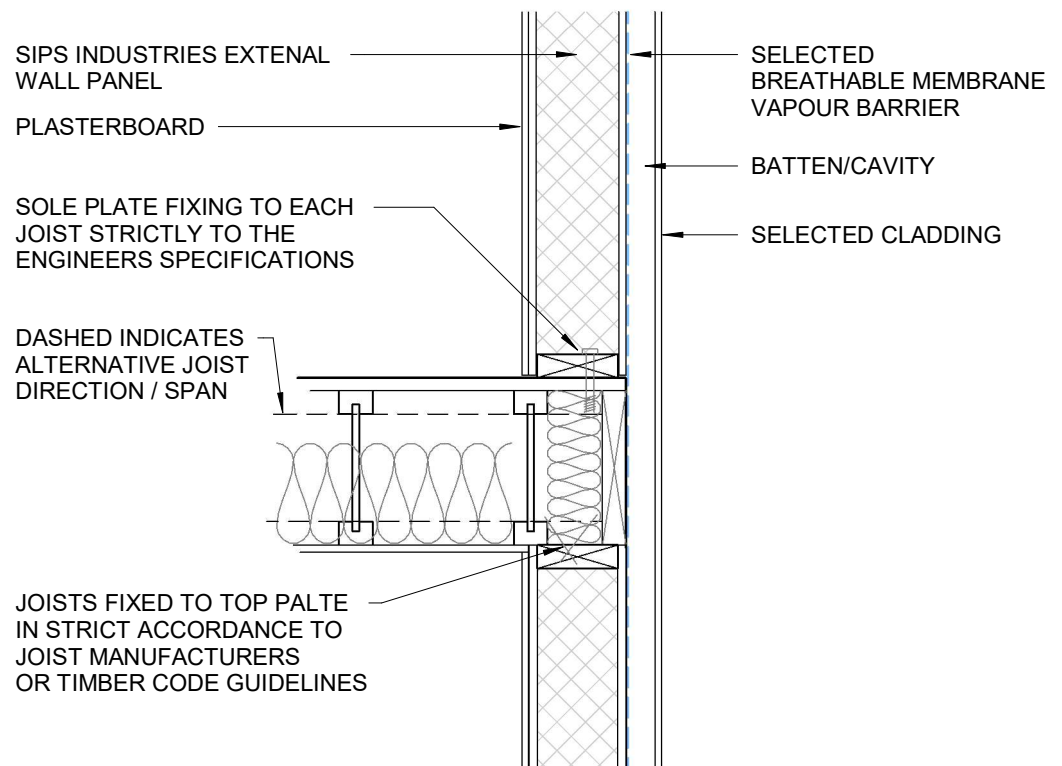


Concrete Set-Down Detail

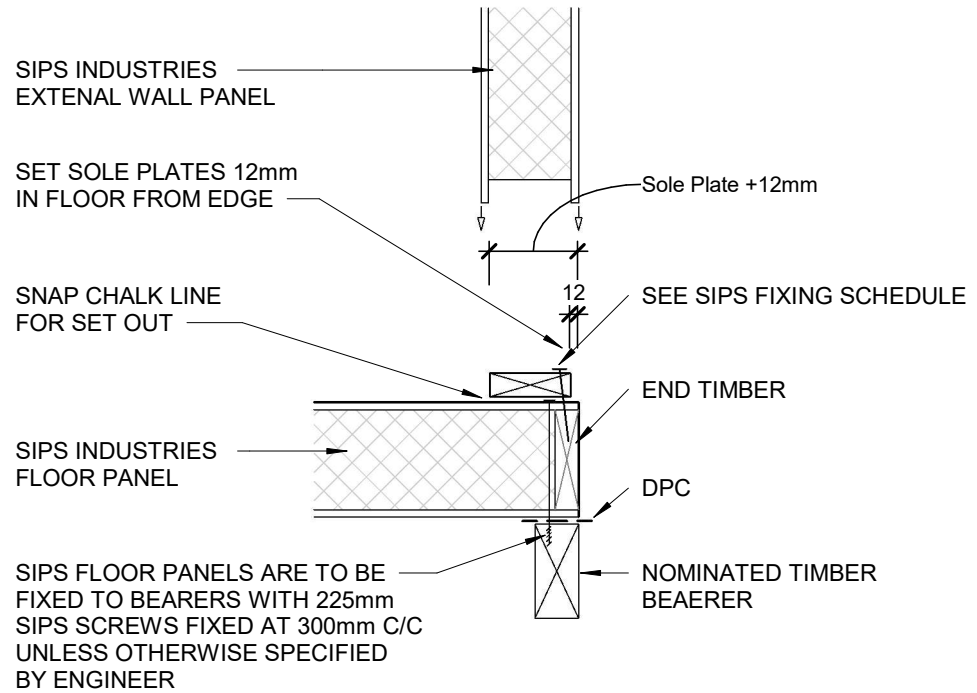




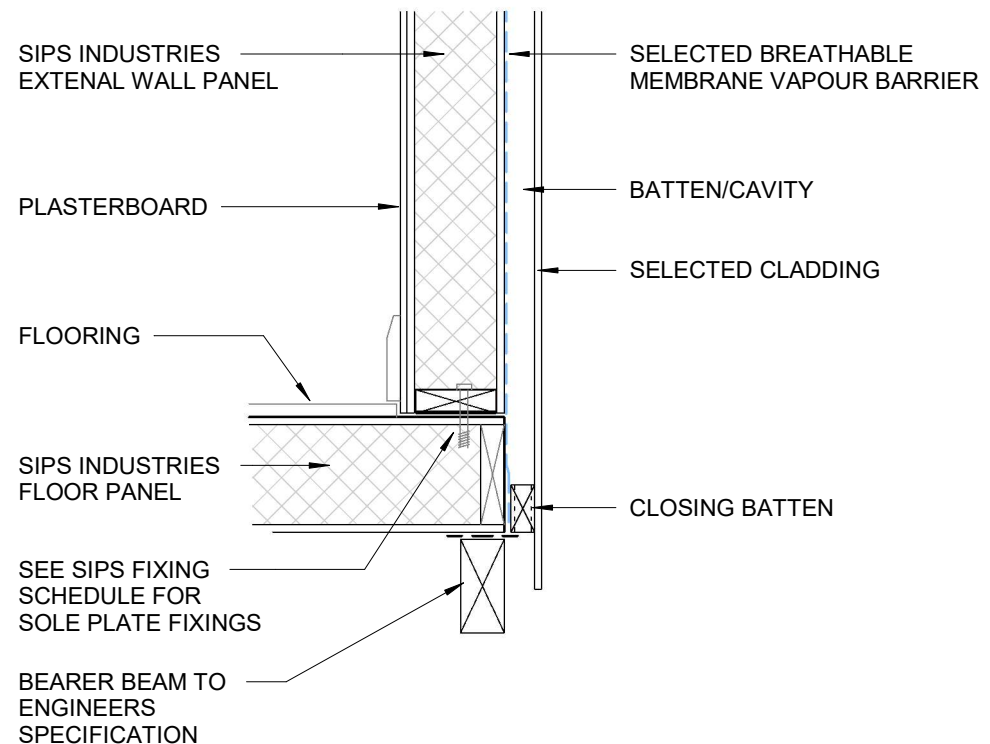
Sole Plate Section - Joist Floor Part 1



Sole Plate Section - Joist Floor Part 2



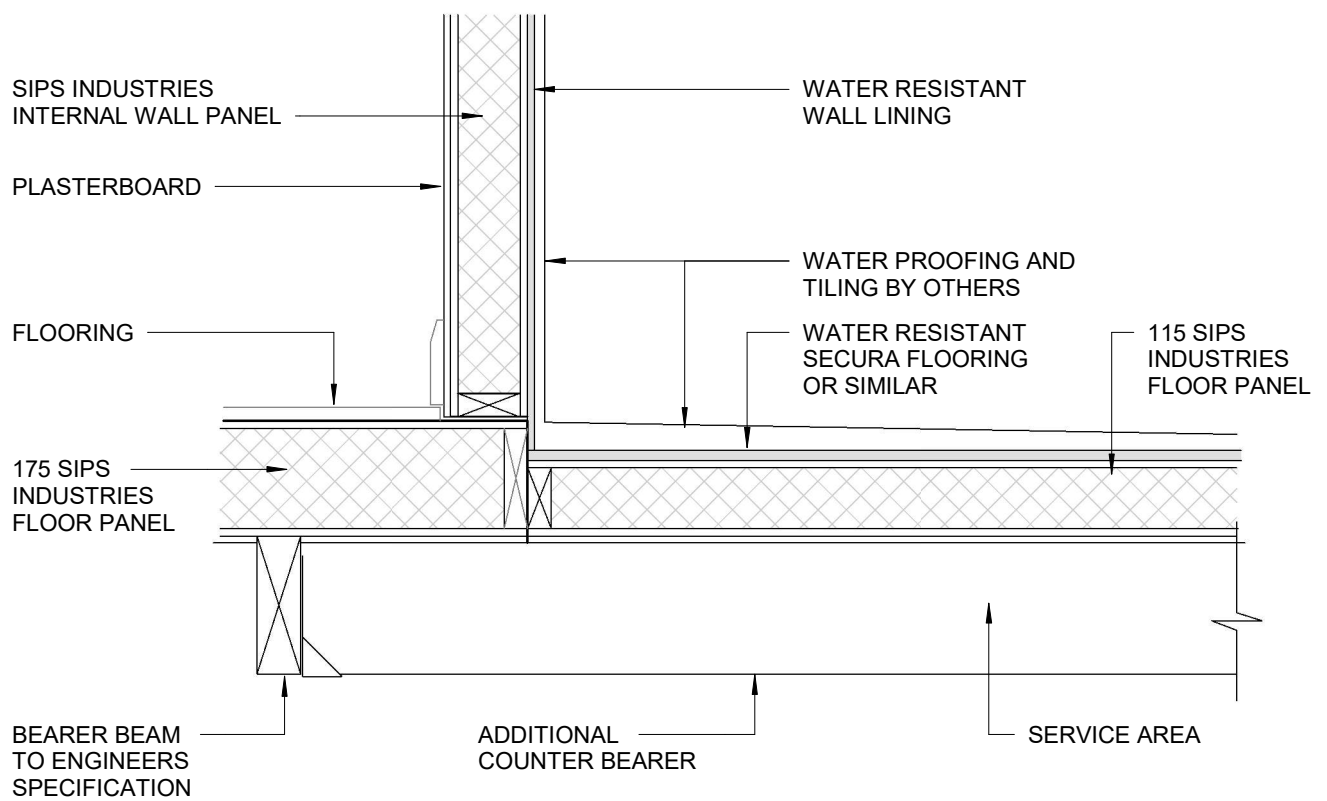
Sole Plate Section - SIPS Floor Part 1



Sole Plate Section - SIPS Floor Part 2

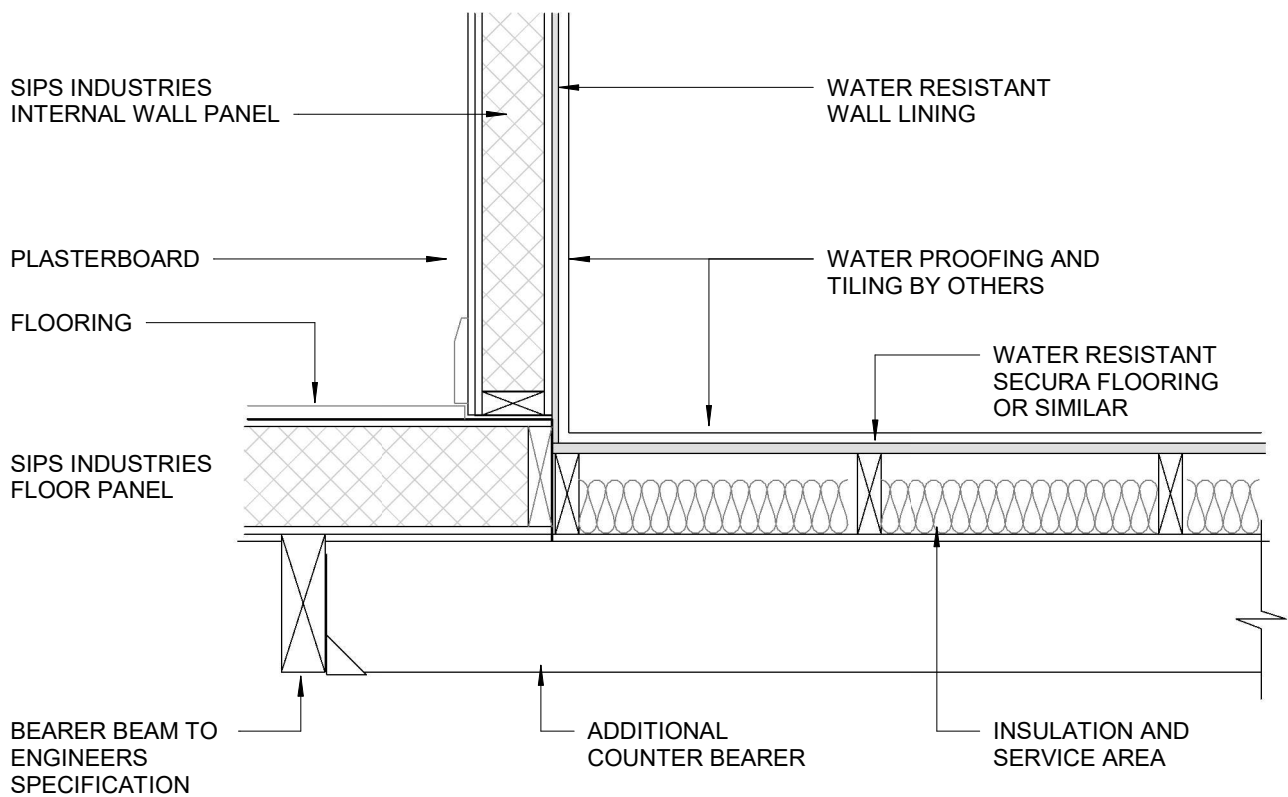


SIPS Floor - Set Down Detail SIPS



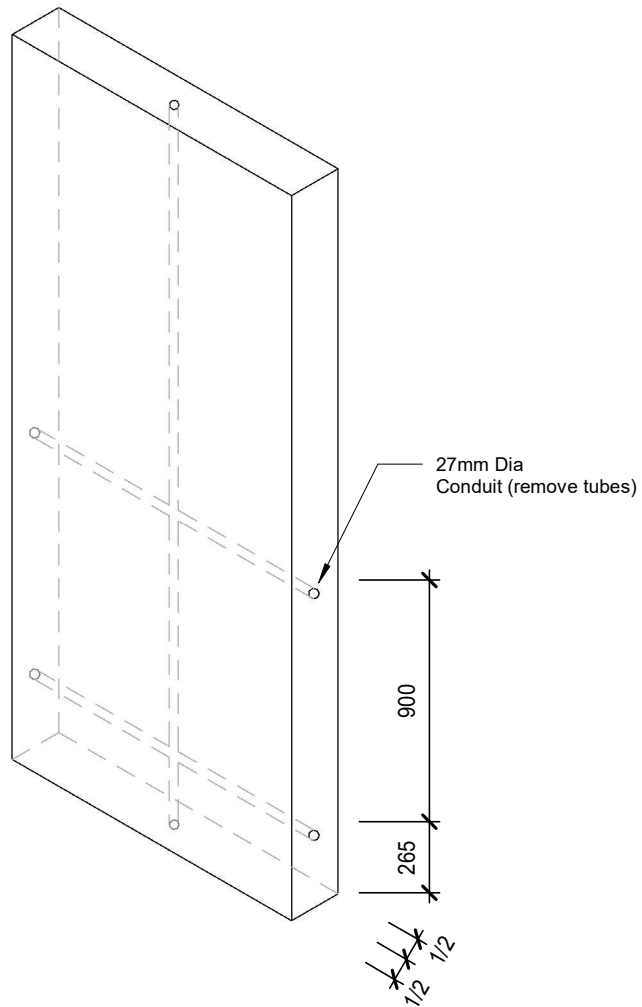


SIPS Floor - Set Down Detail



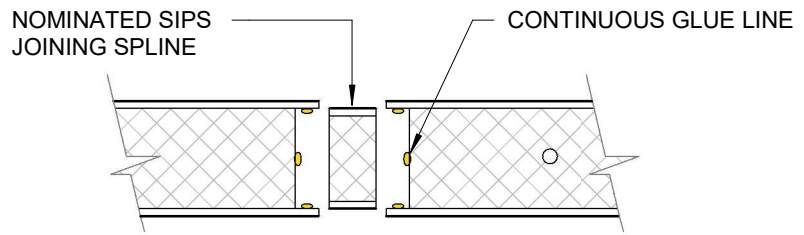


EPS Conduit Panels (Standard)

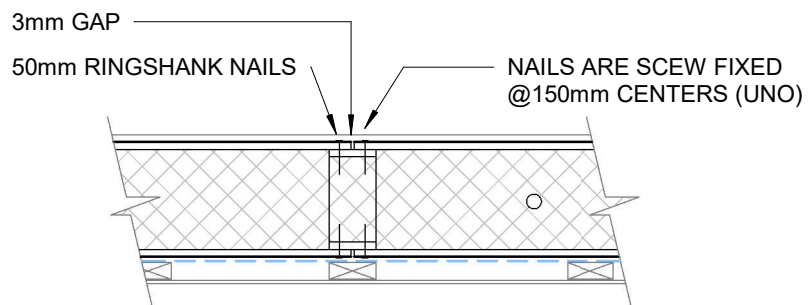




SIPS Panel Vertical Joints

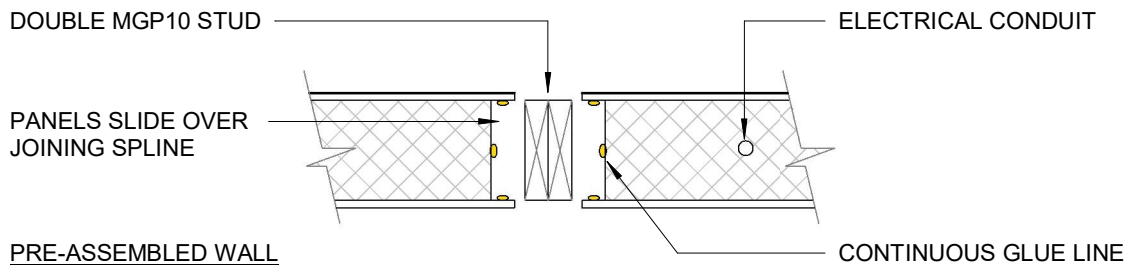


PRE-ASSEMBLED WALL

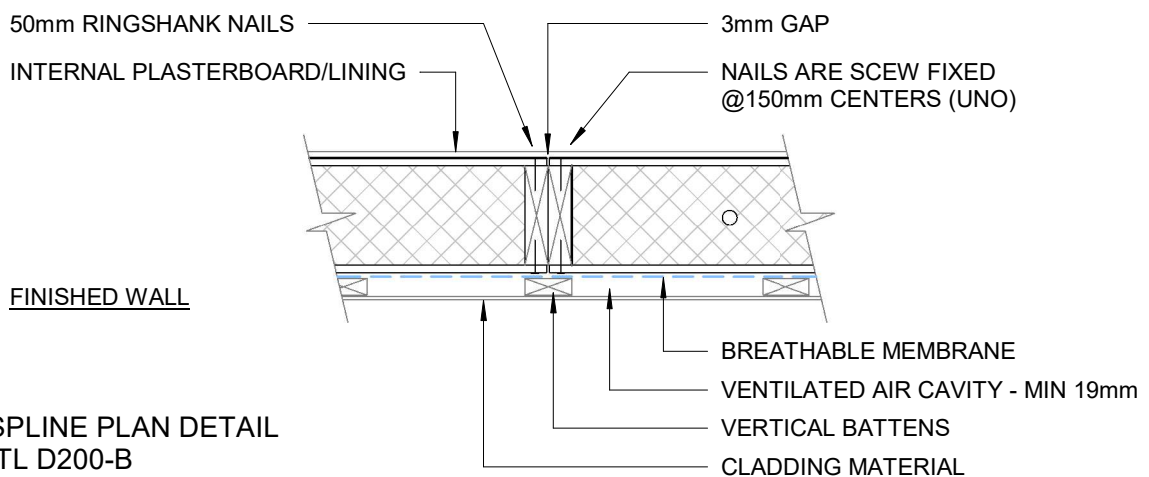


FINISHED WALL

BLOCK SPLINE PLAN DETAIL
SIPS DTL D200-A



PRE-ASSEMBLED WALL

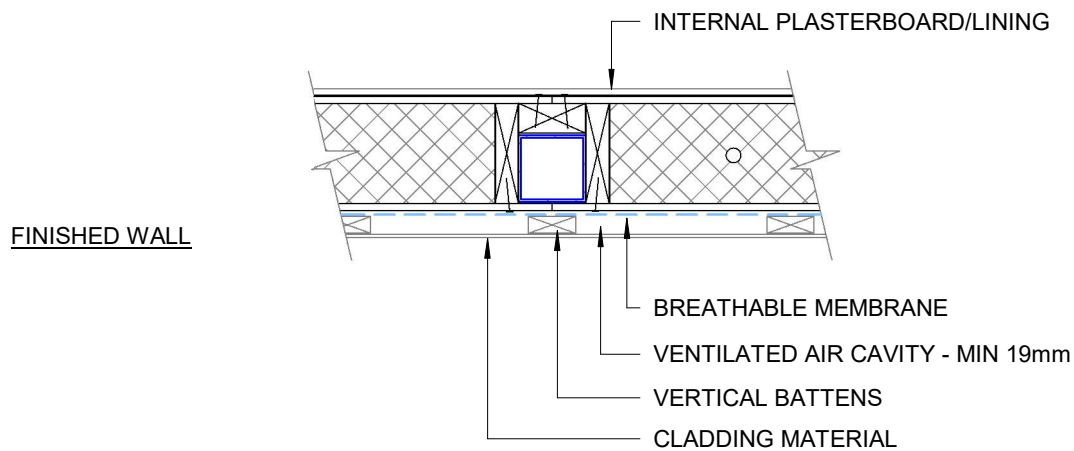
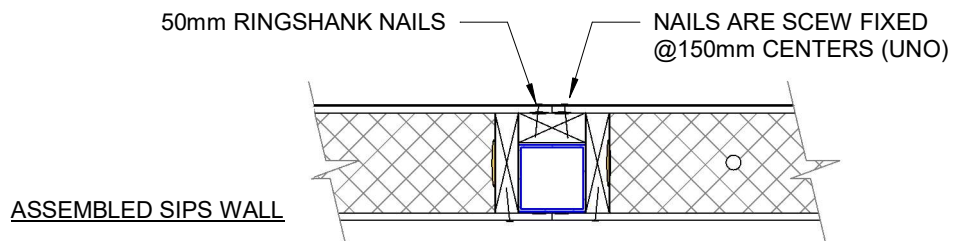
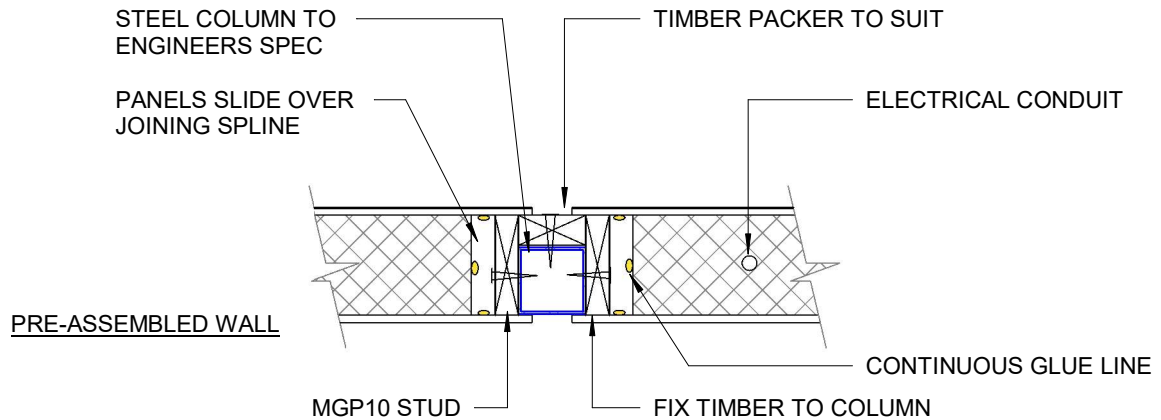


FINISHED WALL

STUD SPLINE PLAN DETAIL
SIPS DTL D200-B

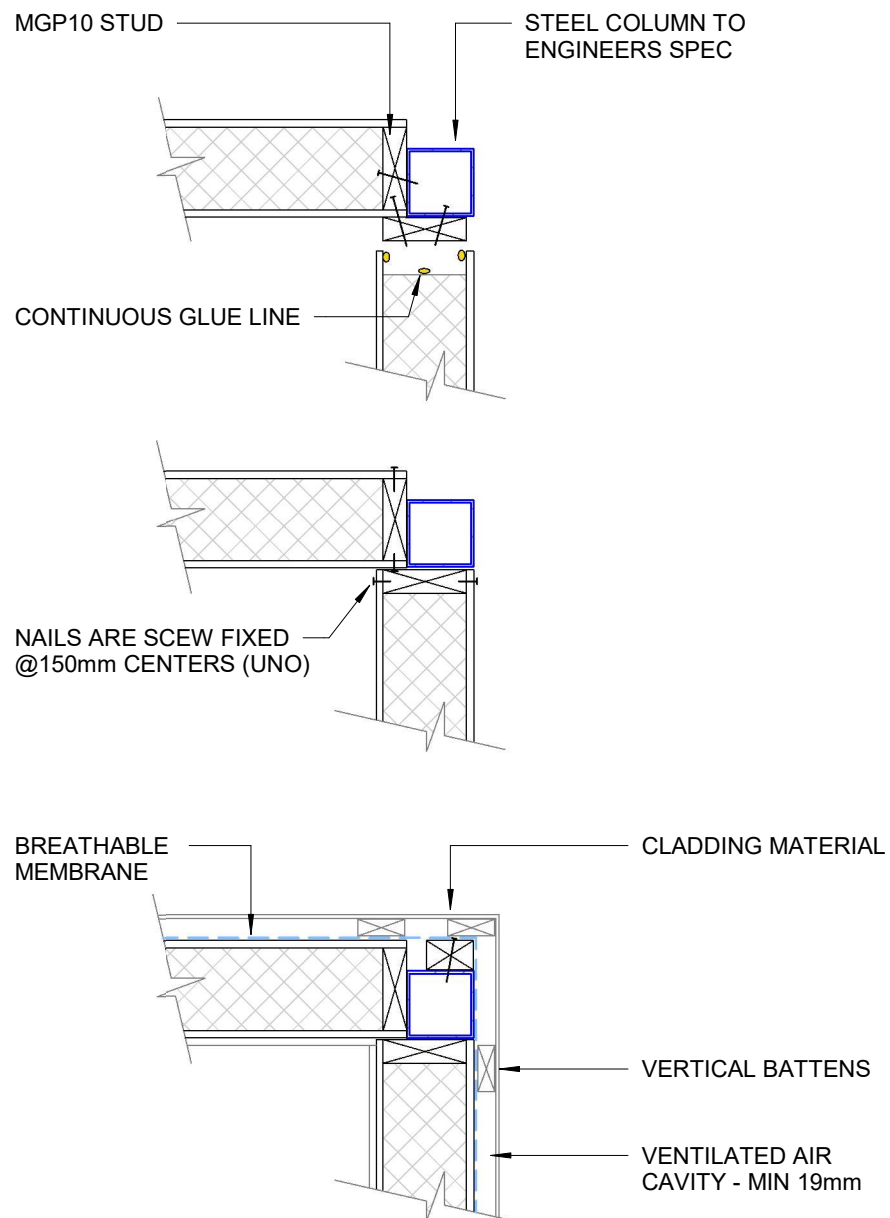


Steel Column in SIPS Wall



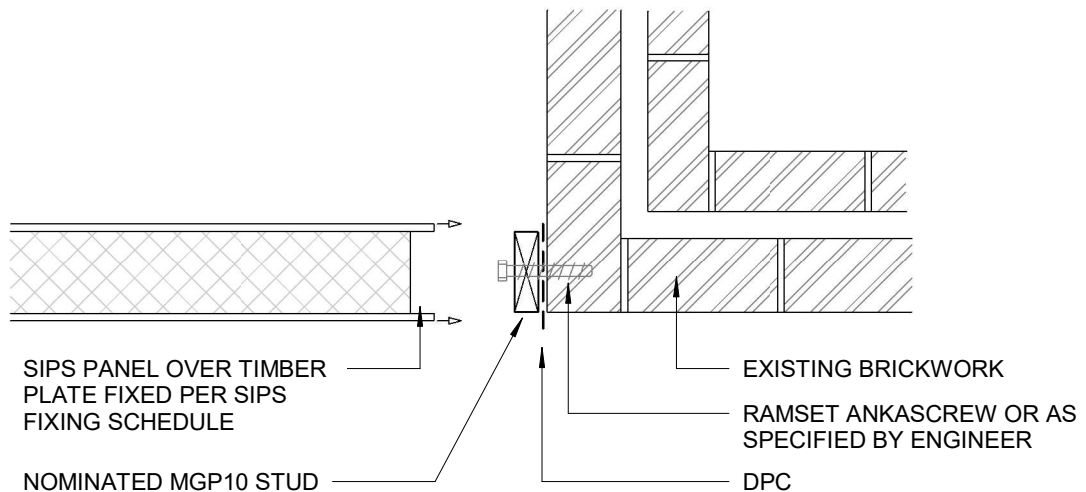


Steel Corner Column





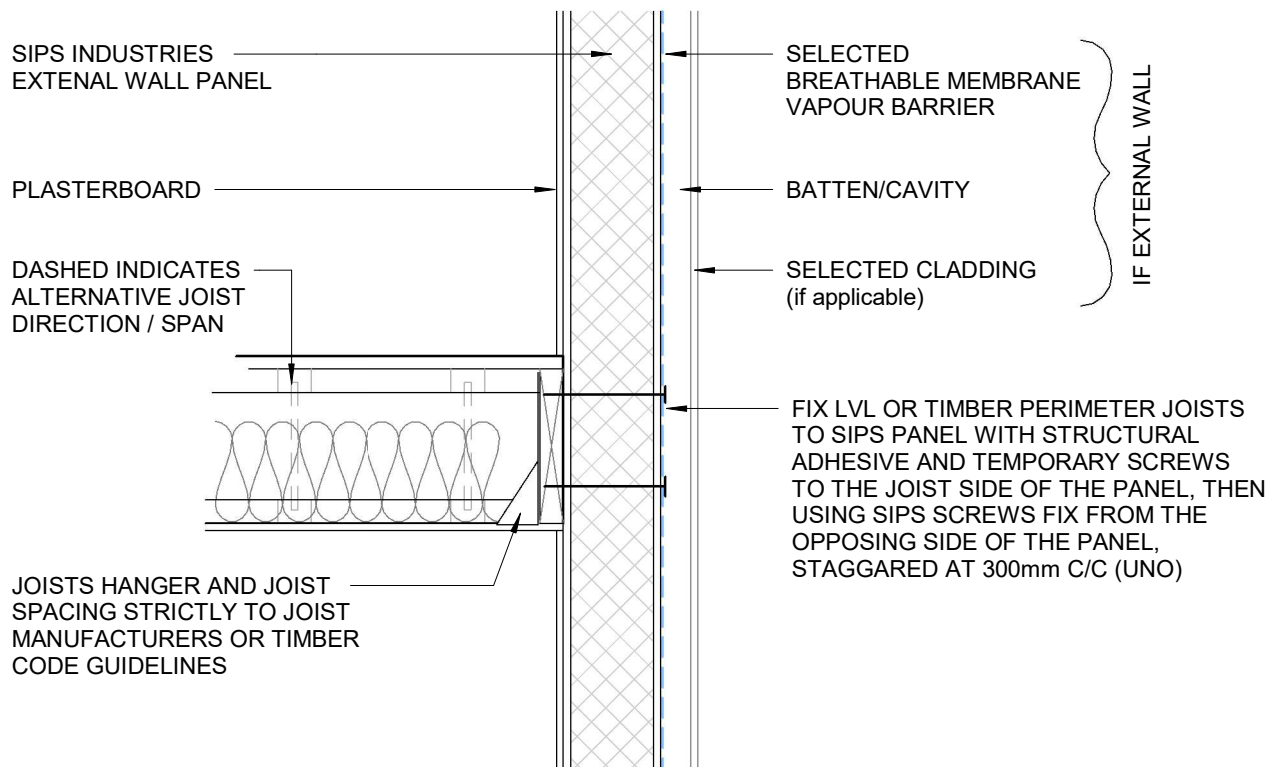
SIPS to EXISTING BRICK - PLAN



PLAN VIEW

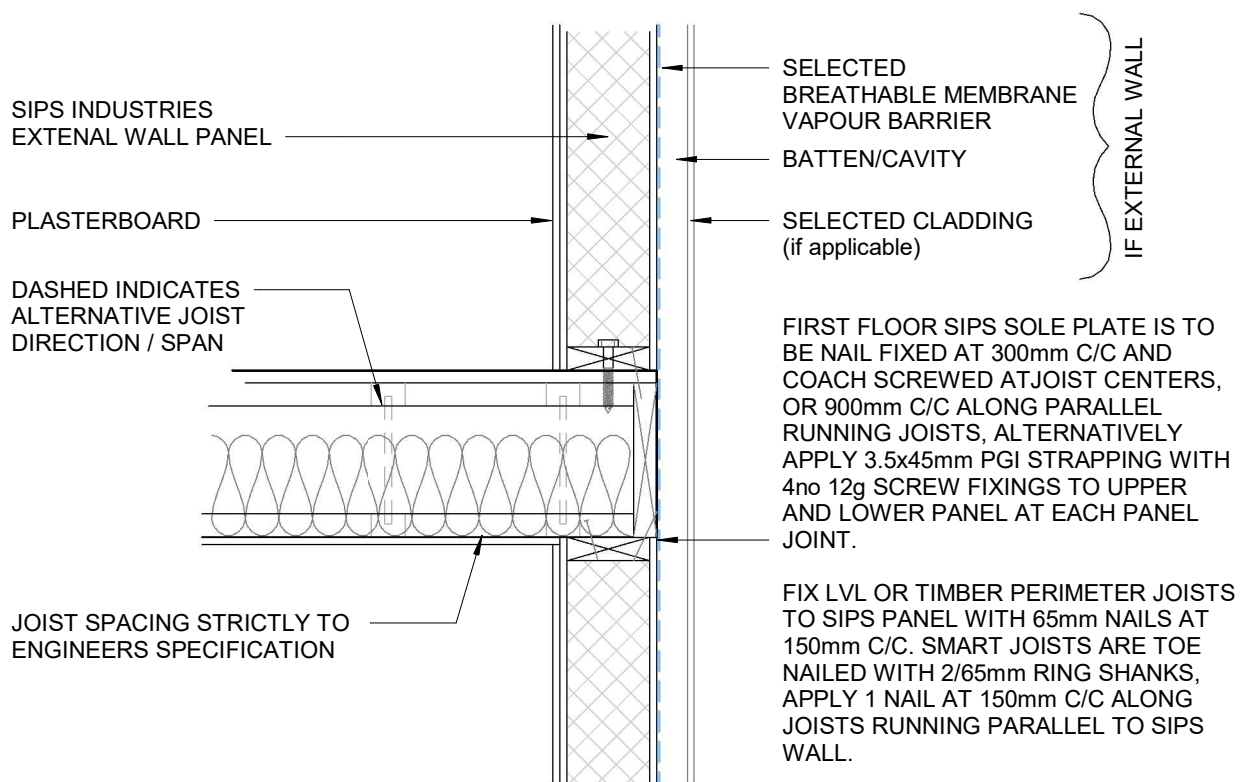


Intermediate Floor Section - Continuous Wall Panel



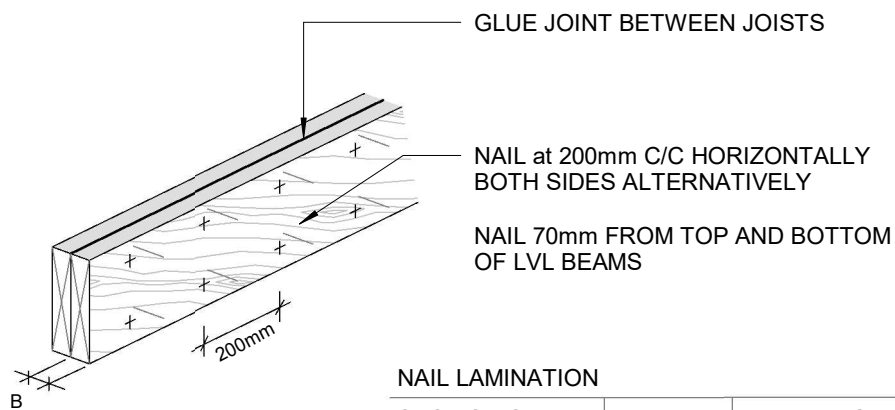
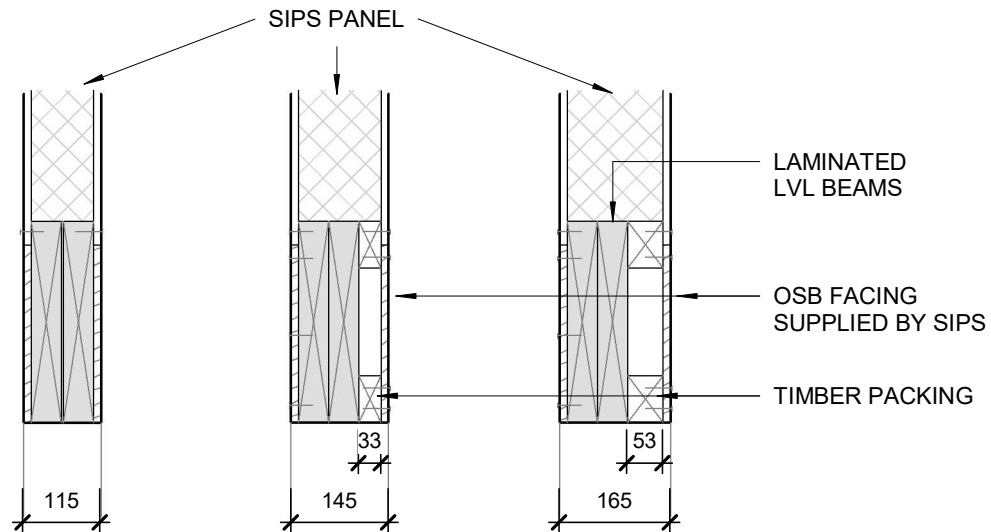


Intermediate Floor Section - Typical





LVL Beam Detail

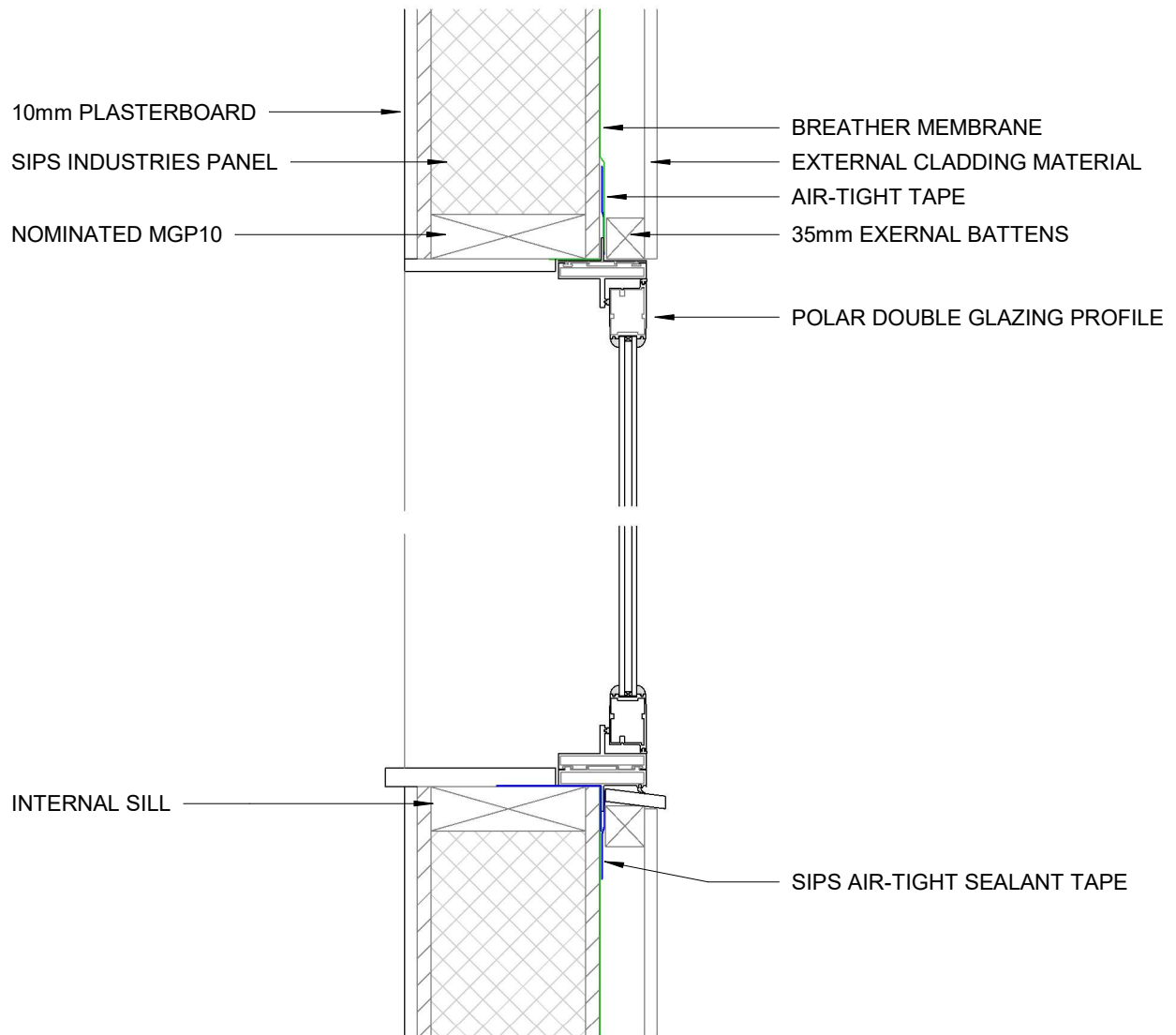


NAIL LAMINATION

SECTION SIZE 'B'	NAIL DIA	NAIL LENGTH
35mm	3.06mm	75mm
45mm	3.3mm	90mm
63mm	3.3mm	100mm



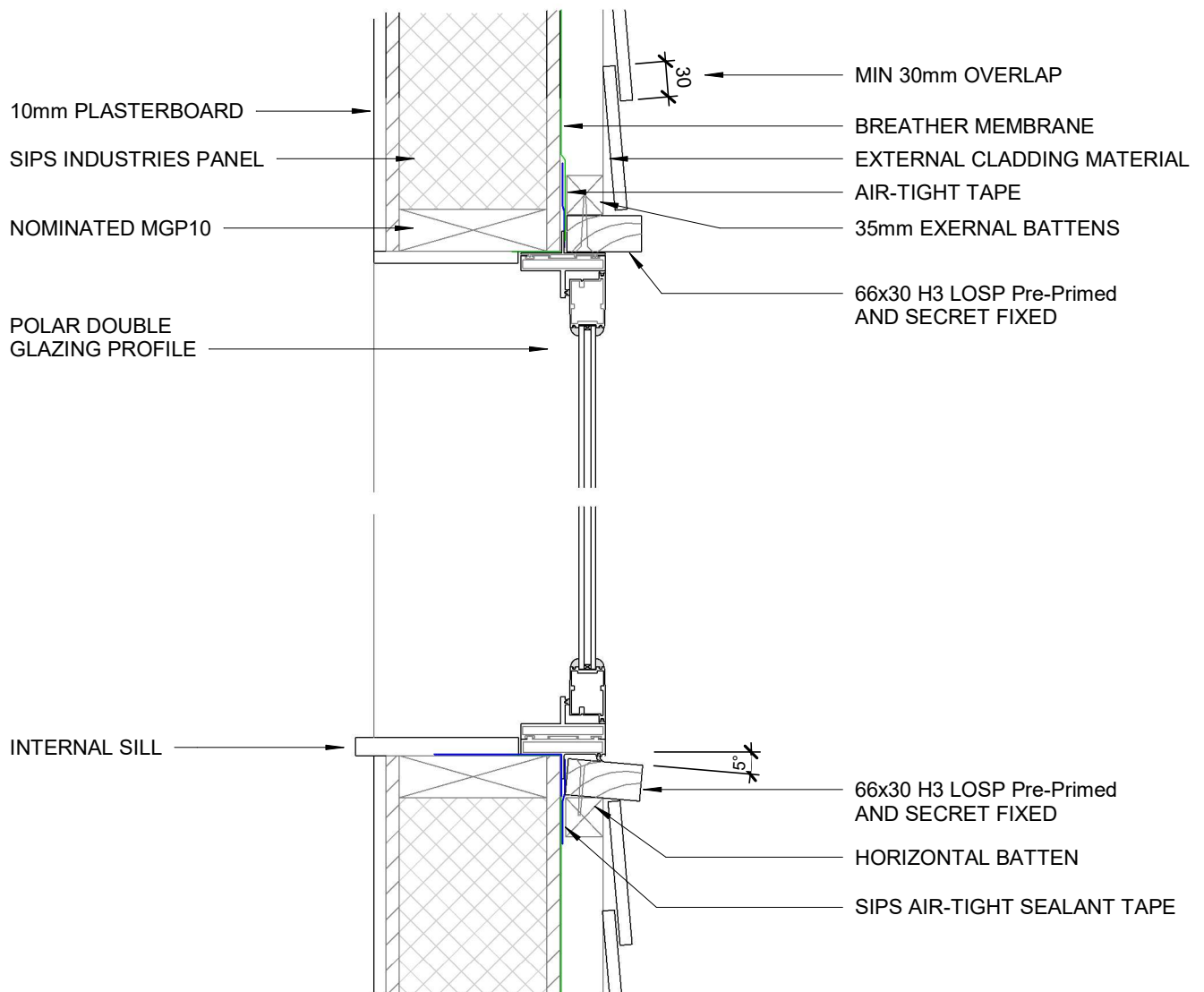
WINDOW DETAIL - Polar Window with CS Sheeting



* SIPS INDUSTRIES PANELS WILL ACCEPT ALMOST ANY WINDOW AND MAY NEED PROJECT SPECIFIC DETAILING BY THE DESIGNER - WIINDOWS SHOWN ARE INDICITIVE ONLY



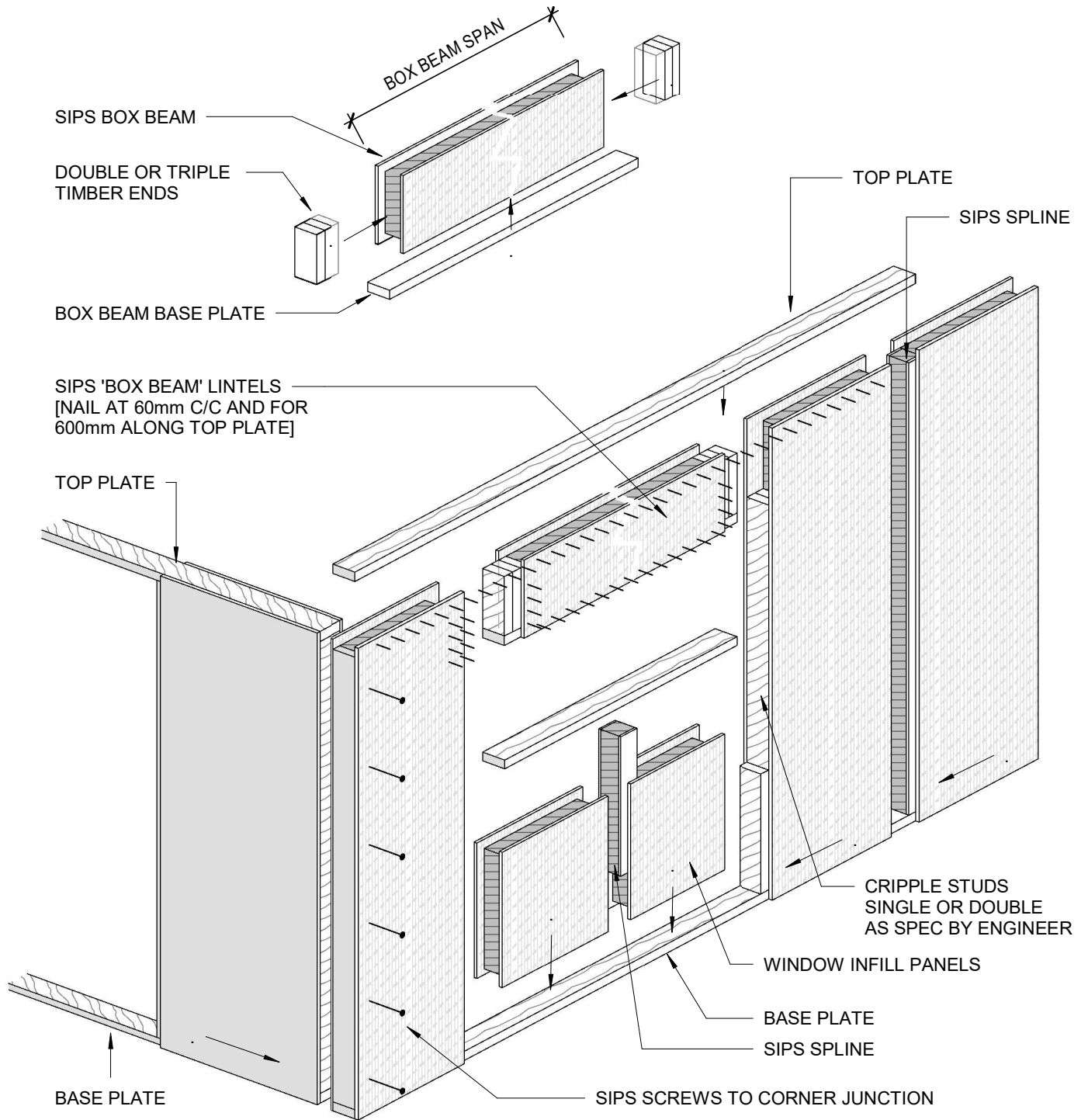
WINDOW DETAIL- Polar Window with Weatherboard



* SIPS INDUSTRIES PANELS WILL ACCEPT ALMOST ANY WINDOW AND MAY NEED PROJECT SPECIFIC DETAILING BY THE DESIGNER - WIINDOWS SHOWN ARE INDICITIVE ONLY

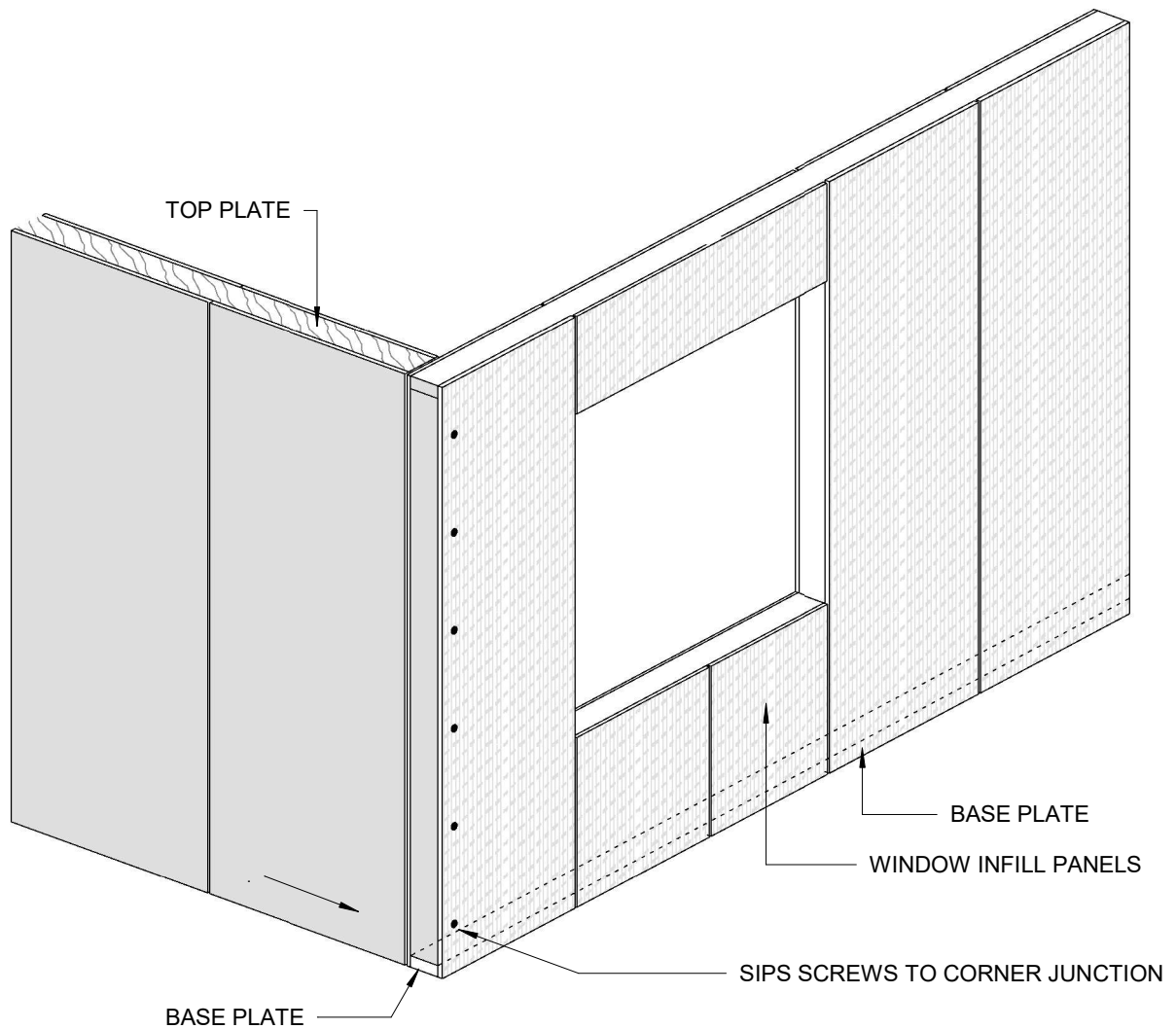
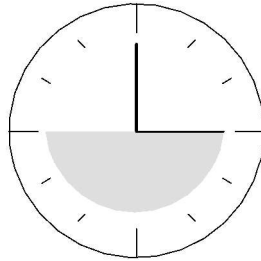


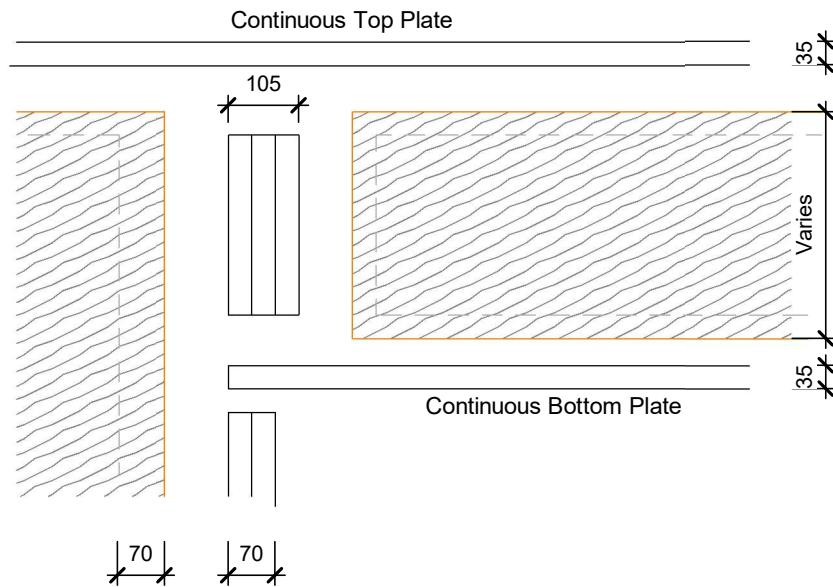
BOX BEAM & WALL ASSEMBLY





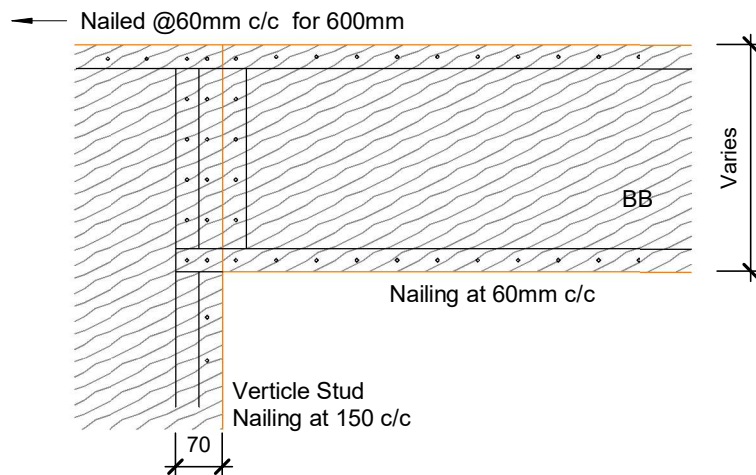
BOX BEAM & WALL ASSEMBLED



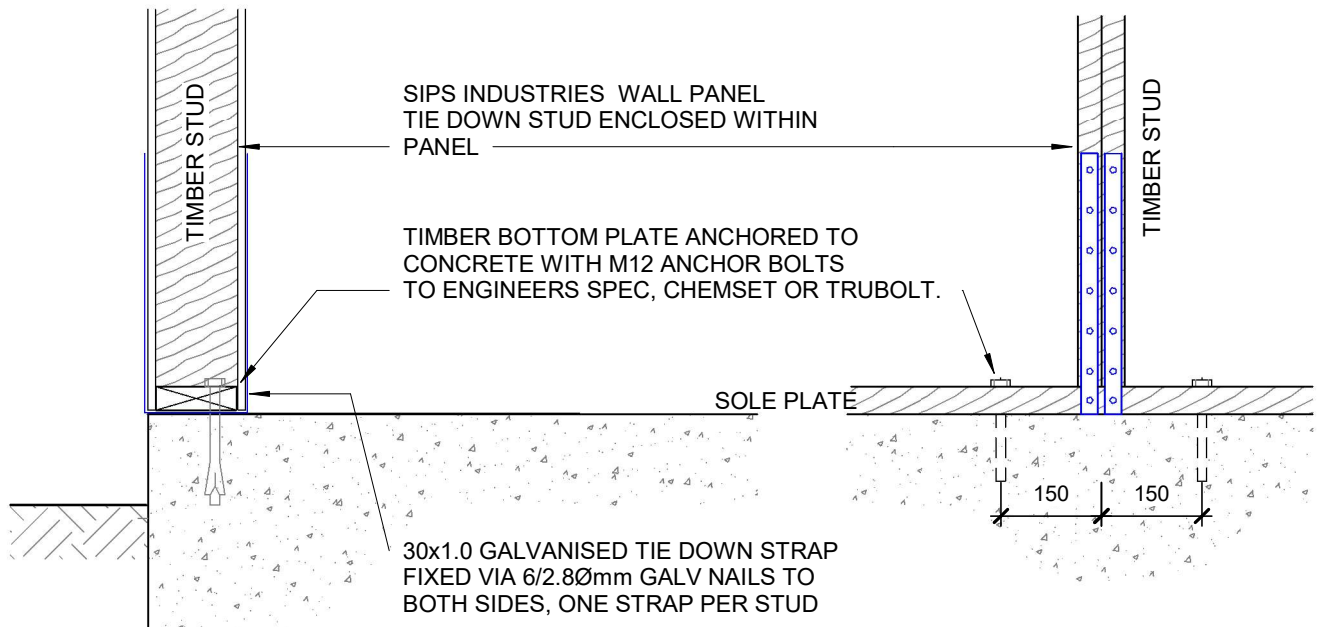


Box Beam Assembly - Exploded View

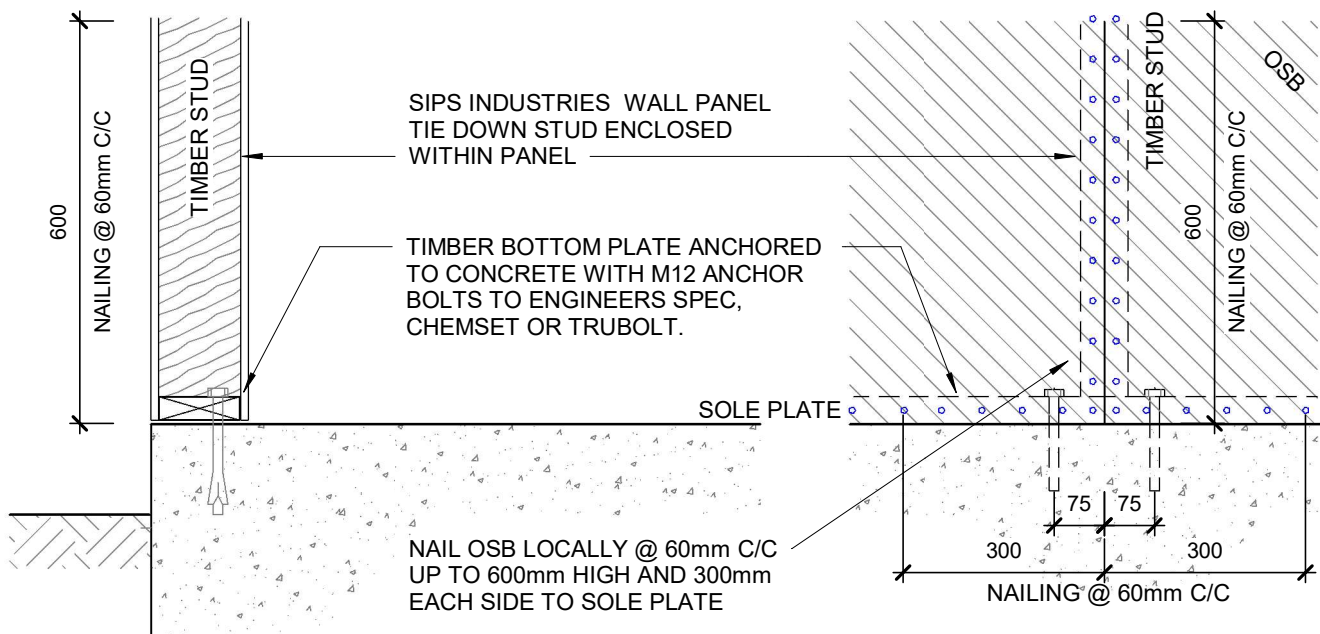
*BASED ON 35mm TIMBER



Box Beam Assembly - Assembled



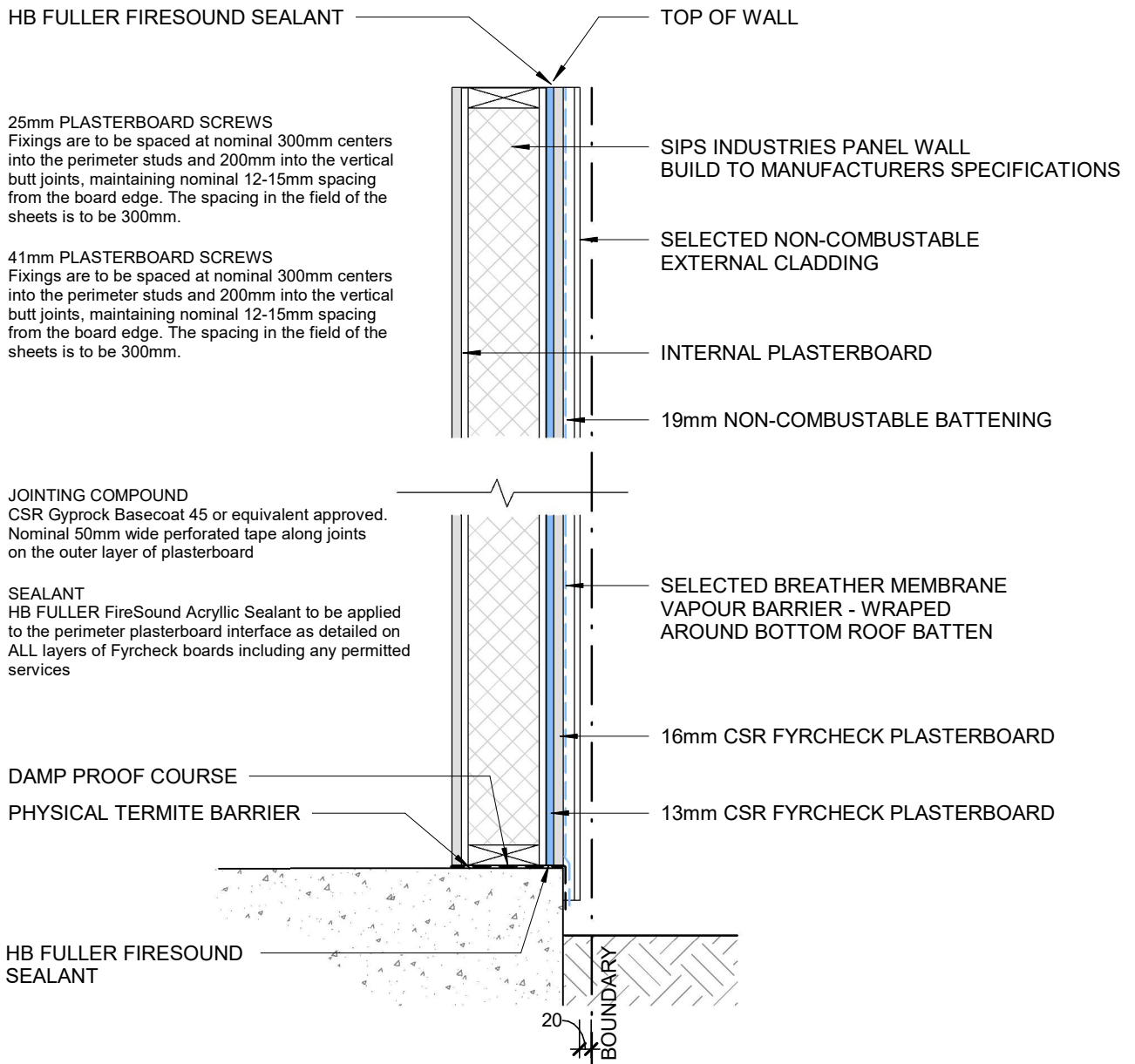
STUD TIE DOWN DETAIL TYPE #1



STUD TIE DOWN DETAIL TYPE #2

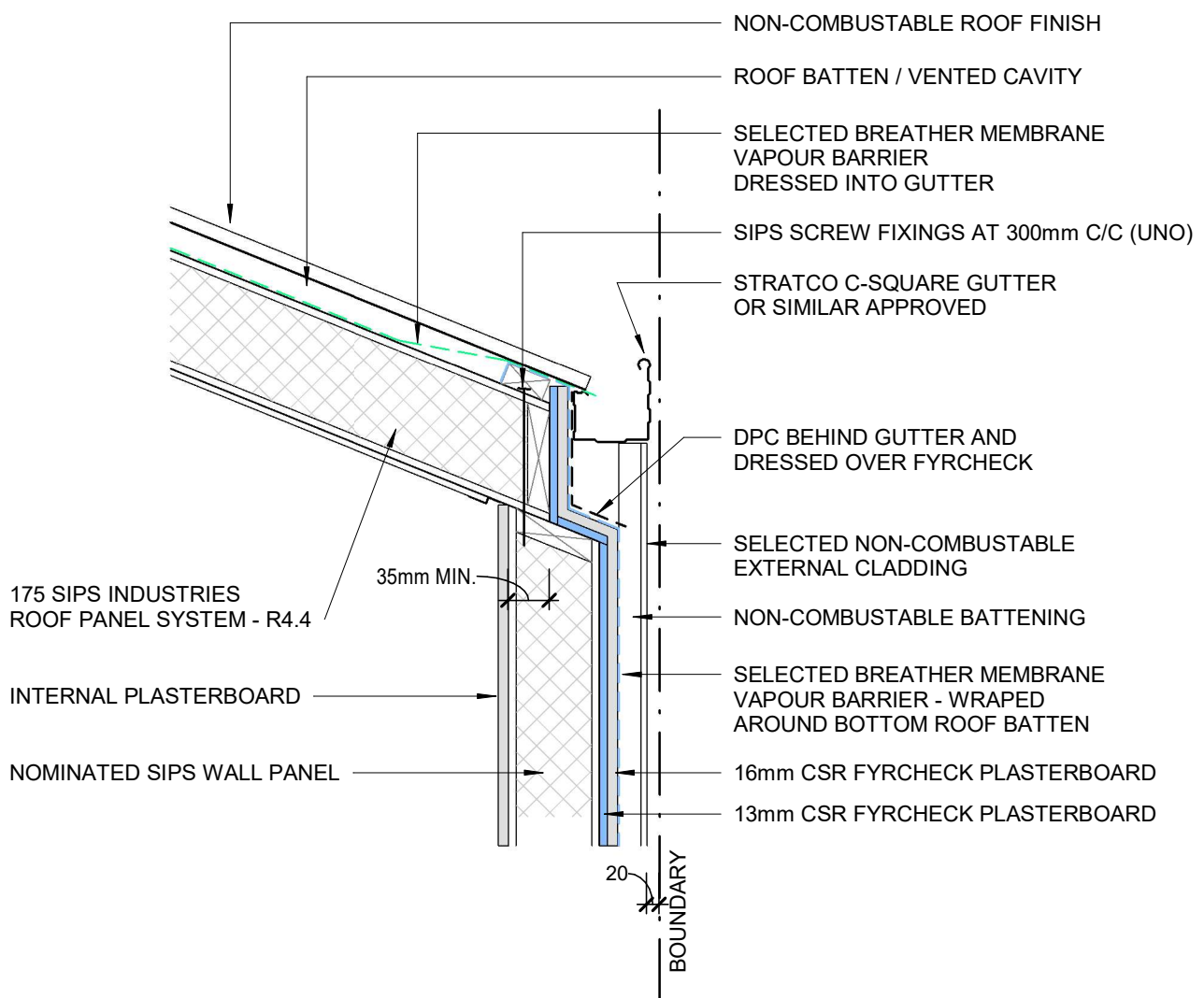


SIPS 60/60/60 BOUNDARY WALL





SIPS 60/60/60 BOUNDARY WALL GUTTER





SIPS 60/60/60 PARTY WALL

25mm PLASTERBOARD SCREWS

Fixings are to be spaced at nominal 300mm centers into the perimeter studs and 200mm into the vertical butt joints, maintaining nominal 12-15mm spacing from the board edge. The spacing in the field of the sheets is to be 300mm.

41mm PLASTERBOARD SCREWS

Fixings are to be spaced at nominal 300mm centers into the perimeter studs and 200mm into the vertical butt joints, maintaining nominal 12-15mm spacing from the board edge. The spacing in the field of the sheets is to be 300mm.

50mm FIBREWOL

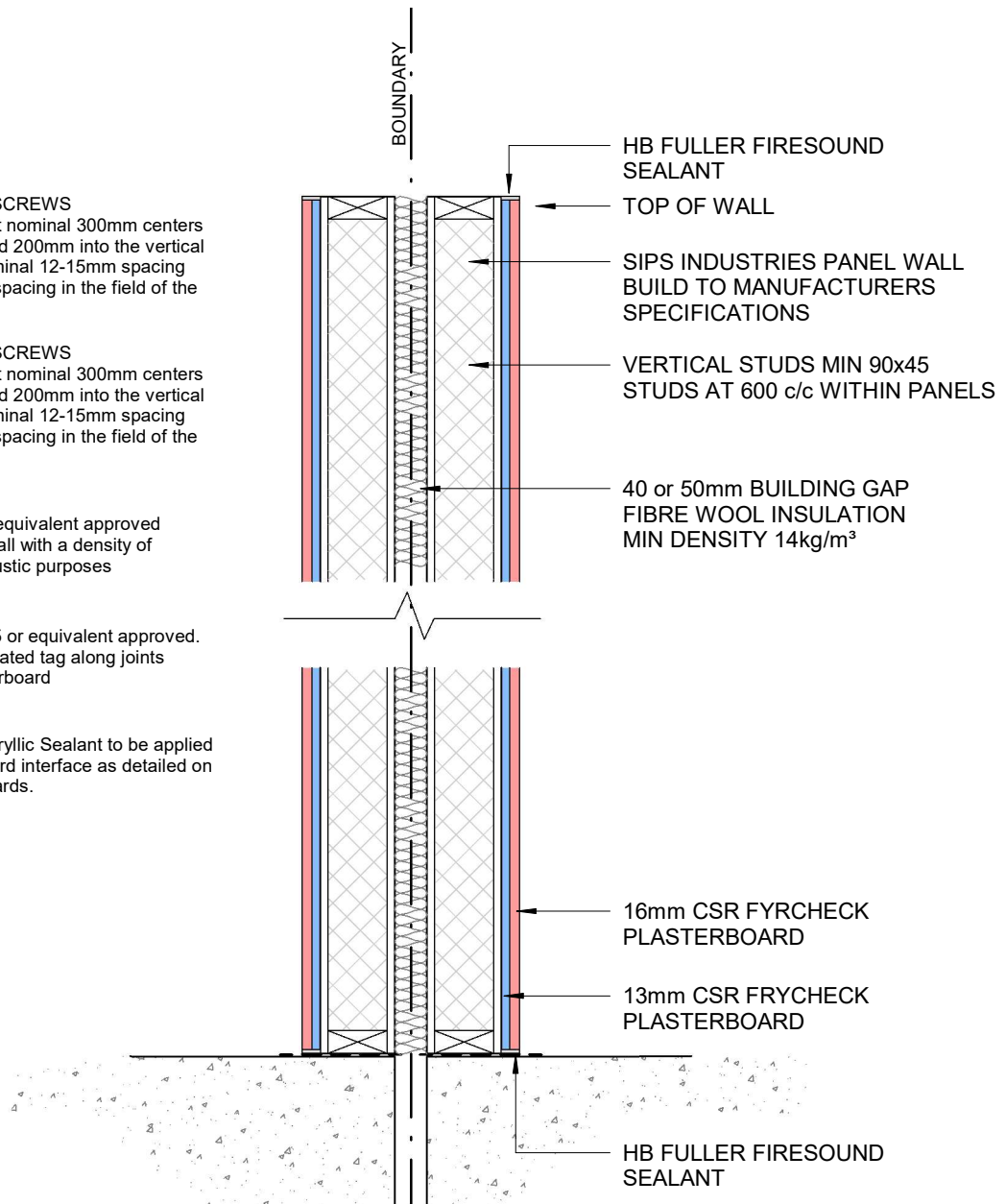
ROXUL STONEWOOL or equivalent approved insulation between SIPS wall with a density of 14kg/m³ or greater for acoustic purposes

JOINTING COMPOUND

CSR Gyprock Basecoat 45 or equivalent approved. Nominal 50mm wide perforated tag along joints on the outer layer of plasterboard

SEALANT

HB FULLER FireSound Acrylic Sealant to be applied to the perimeter plasterboard interface as detailed on ALL layers of Fyrcheck boards.





SIPS 90/90/90 PARTY WALL

25mm PLASTERBOARD SCREWS

Fixings are to be spaced at nominal 300mm centers into the perimeter studs and 200mm into the vertical butt joints, maintaining nominal 12-15mm spacing from the board edge. The spacing in the field of the sheets is to be 300mm.

41mm PLASTERBOARD SCREWS

Fixings are to be spaced at nominal 300mm centers into the perimeter studs and 200mm into the vertical butt joints, maintaining nominal 12-15mm spacing from the board edge. The spacing in the field of the sheets is to be 300mm.

TOP HATS

Installed between the plasterboard layers as detailed. Fixed at 600mm centers vertically.

50mm FIBREWOL

ROXUL STONEWOOL or equivalent approved insulation between SIPS wall with a density of 14kg/m³ or greater for acoustic purposes

25mm FIBREWOL

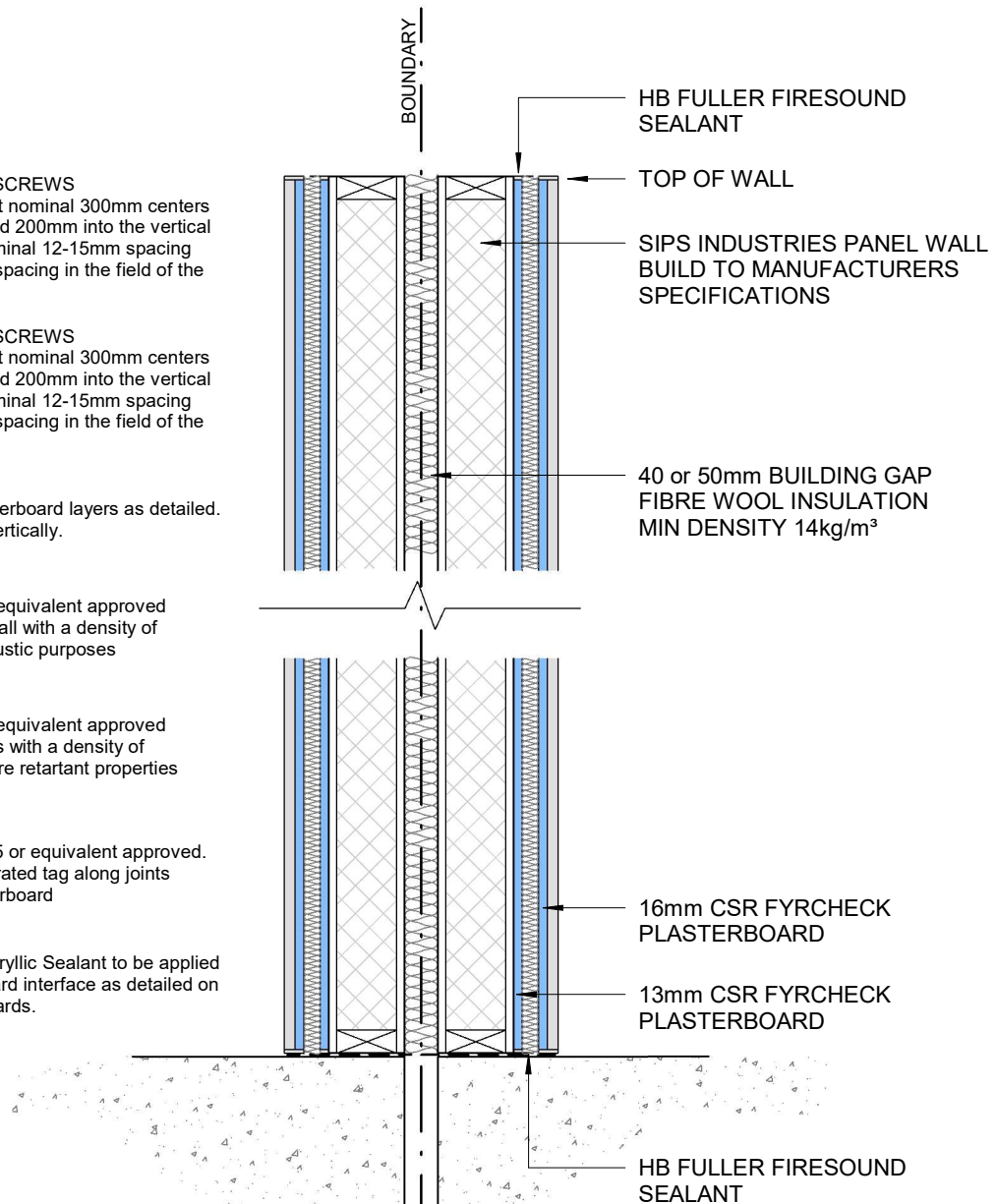
ROXUL STONEWOOL or equivalent approved insulation between top hats with a density of 14kg/m³ or greater for its fire retardant properties

JOINTING COMPOUND

CSR Gyprock BAscoat 45 or equivalent approved. Nominal 50mm wide perforated tag along joints on the outer layer of plasterboard

SEALANT

HB FULLER FireSound Acrylic Sealant to be applied to the perimeter plasterboard interface as detailed on ALL layers of Fyrcheck boards.





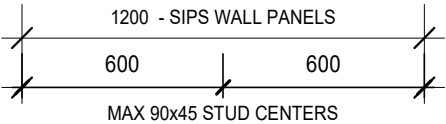
SIPS 60/60/60 FRL INSTALL

BREATHABLE MEMBRANE
NON-COMBUSTIBLE BATTENS
AND NON-COMBUSTIBLE CLADDING
FOR BOUNDARY WALLS ONLY

16mm CSR FYRCHEK
13mm CSR FYRCHEK

SIPs PANELS

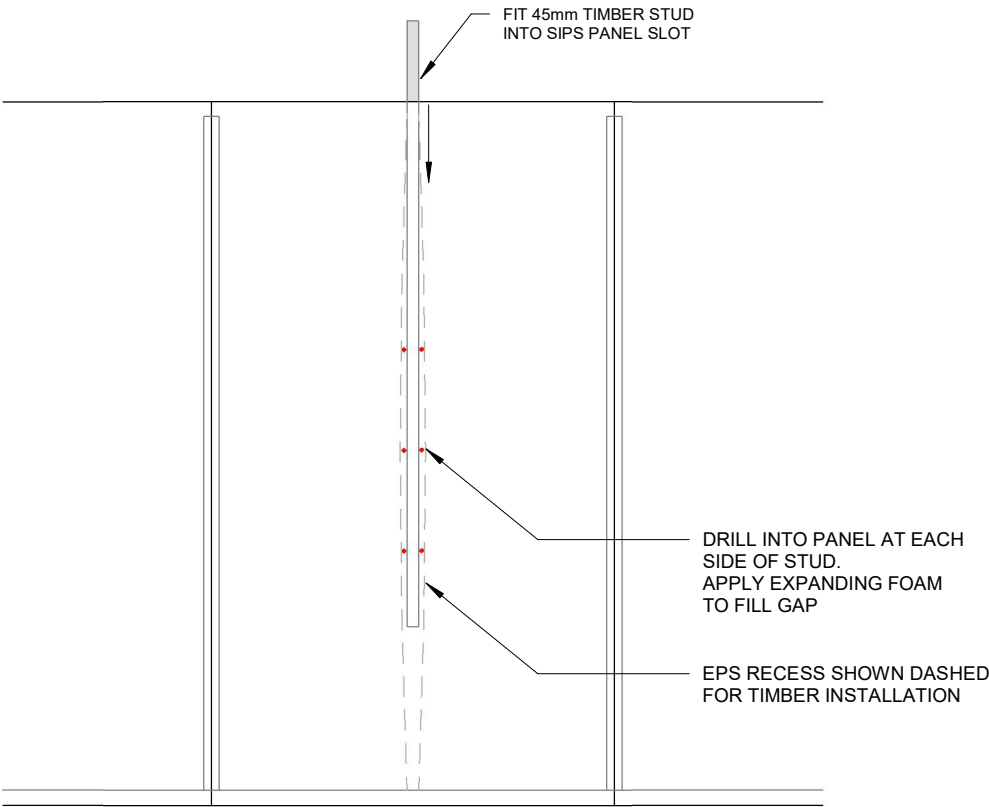
FIT 45mm TIMBER STUD
INTO SIPs PANEL SLOT
OR PANEL JOINT



INSIDE PANEL FACE

REFER TO PARTY WALL FRL 60/60/60
OR BOUNDARY WALL FRL 60/60/60
DETAILS FOR REMAINDER OF RELEVANT
CONSTRUCTION REQUIREMENT

PLAN

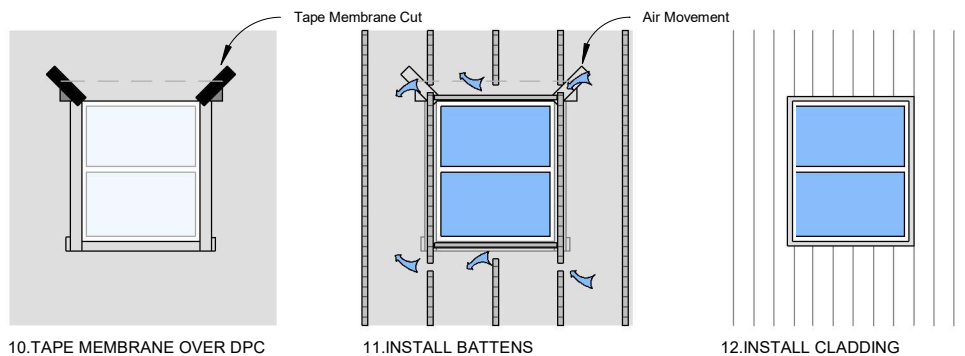
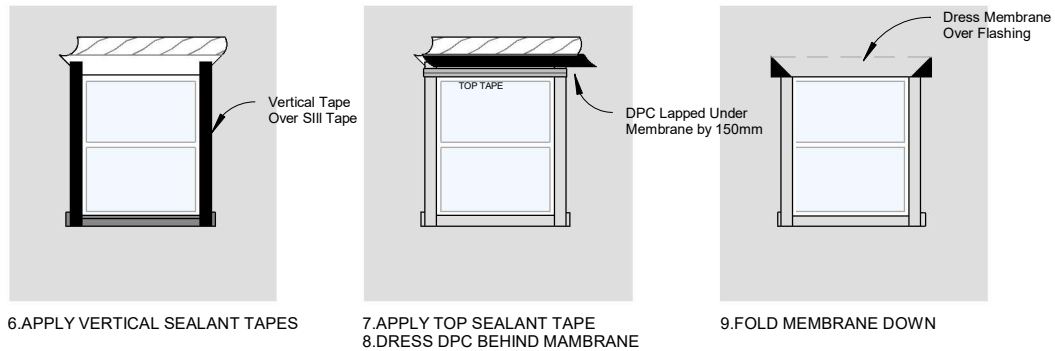
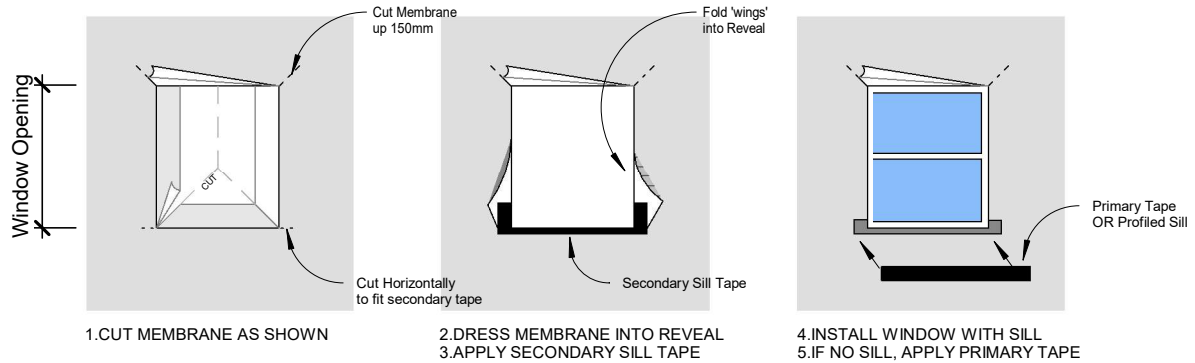


ELEVATION



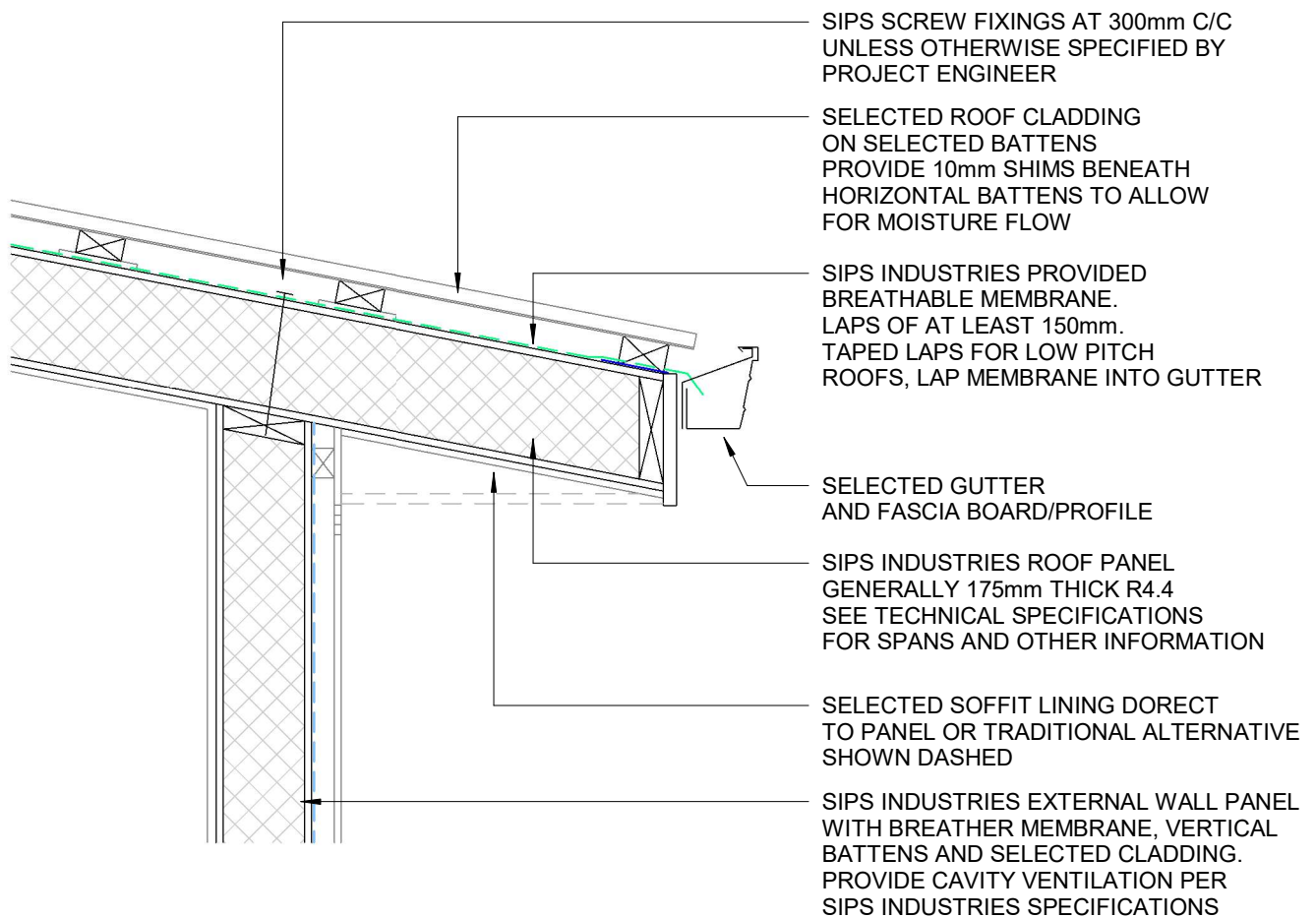
WINDOW MEMBRANE & TAPE INSTALL

THIS DETAIL IS FOR A WINDOW WITH A FIN TO PANEL CONNECTION (NOT A RECESSED WINDOW) AND IS A WATER-PROOFING DETAIL ONLY. THIS MAY NOT PROVIDE A FULLY AIR-TIGHT DETAIL. SUCH DETAILS ARE OFTEN PROJECT SPECIFIC - THESE ARE TYPICAL DETAILS ONLY AND ARE FOR REFERENCE PURPOSES FOR THE DESIGNER.



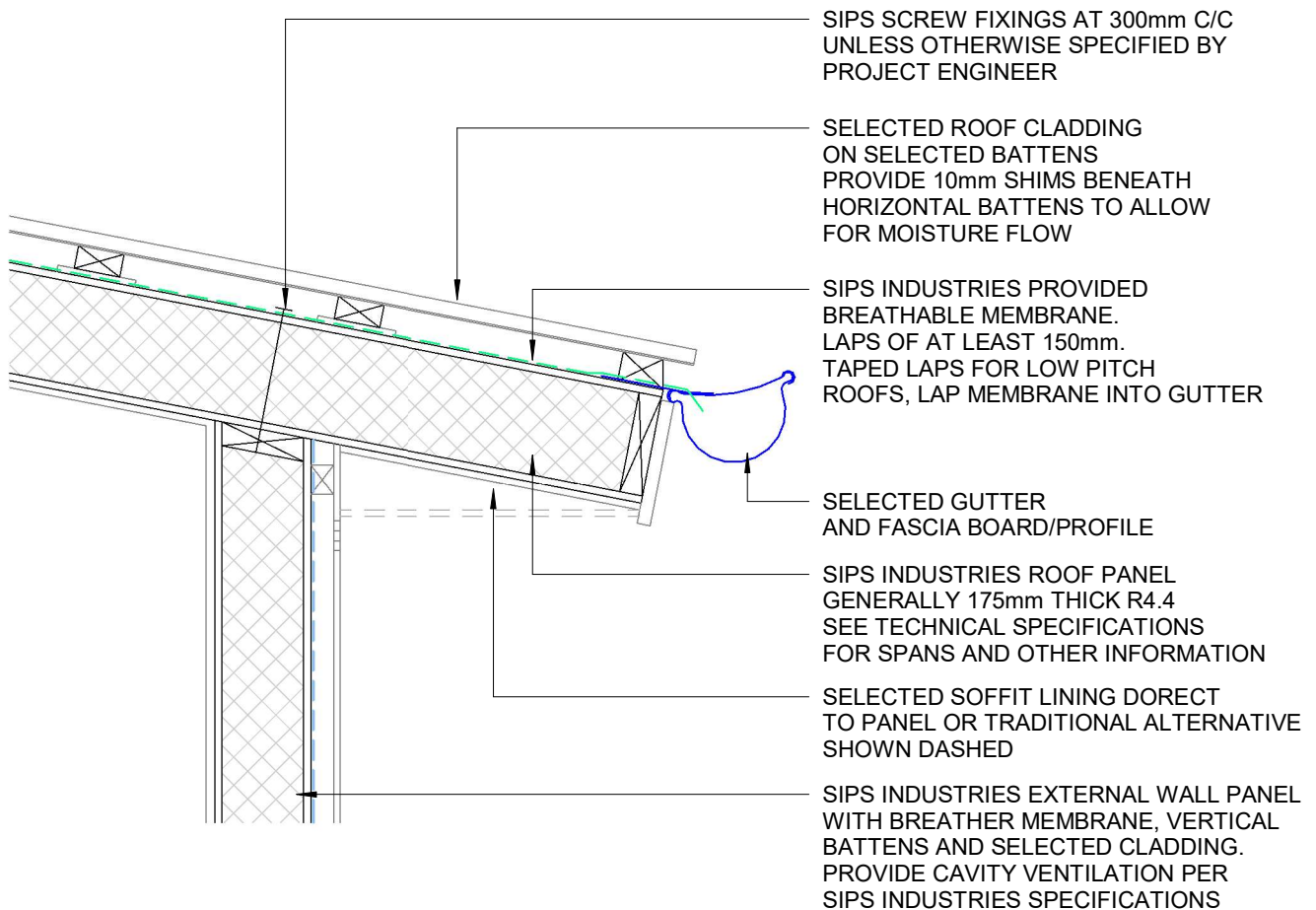


SIPS EAVES DETAIL - PLUMB CUT ROOF



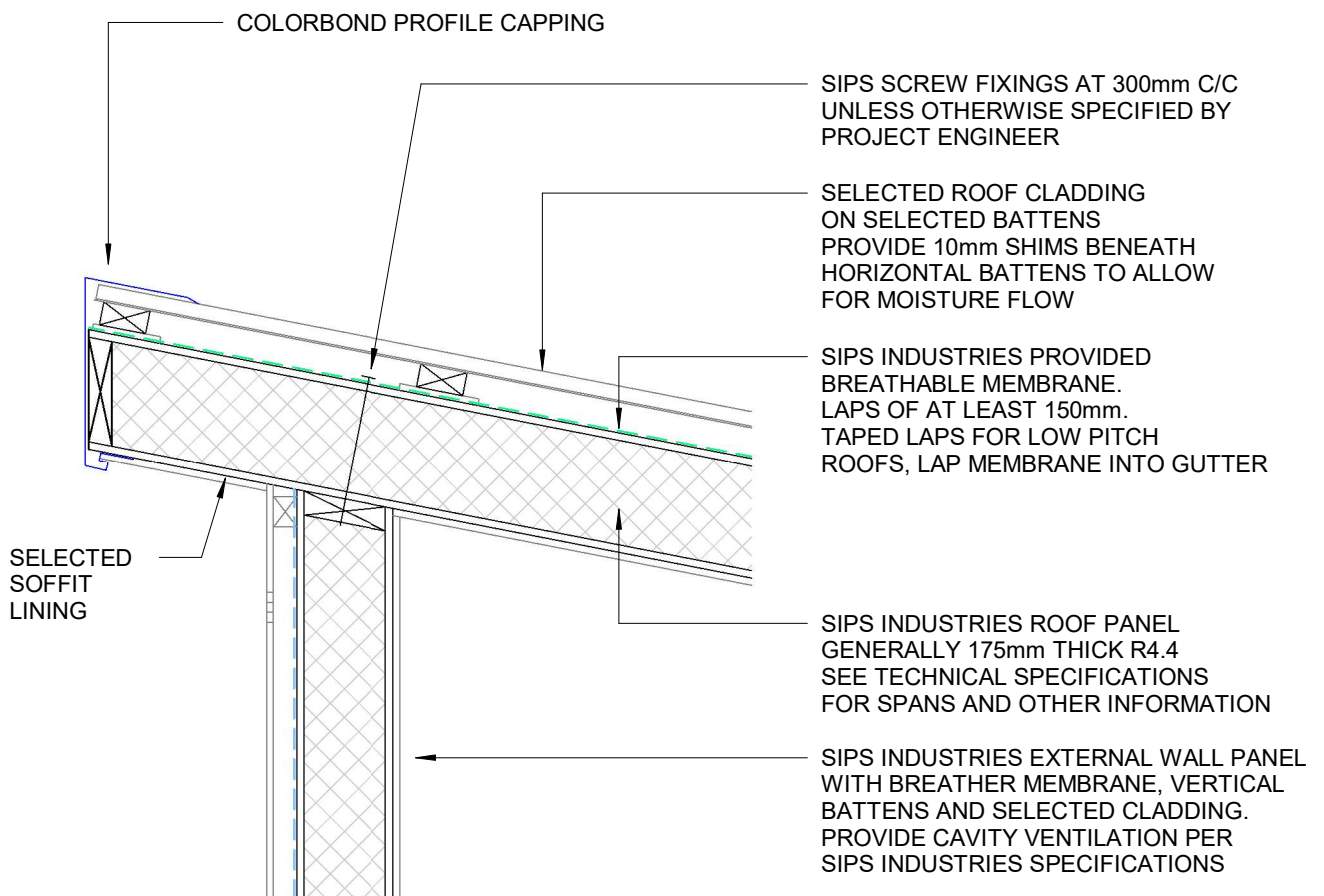


SIPS EAVES DETAIL - SQUARE CUT ROOF



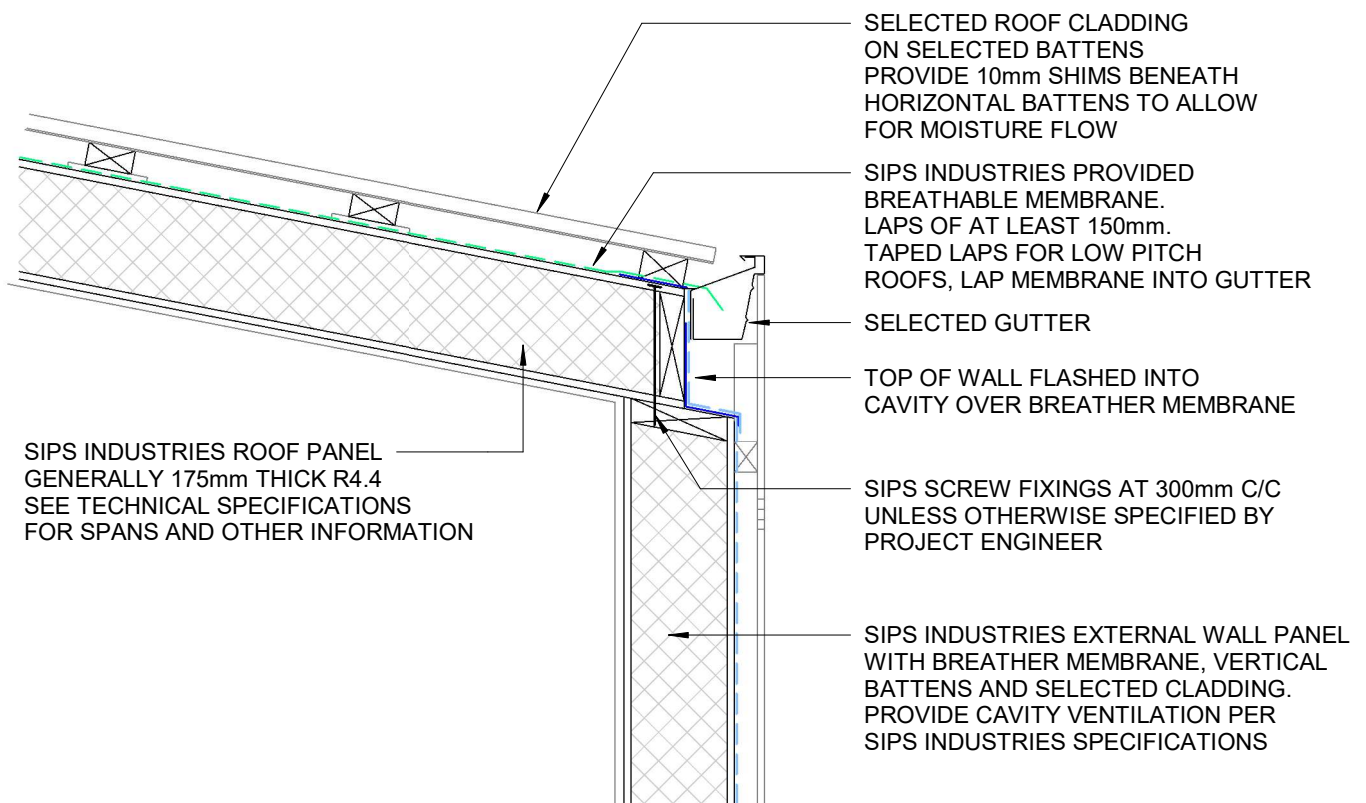


SIPS SKILLION DETAIL - PLUMB CUT



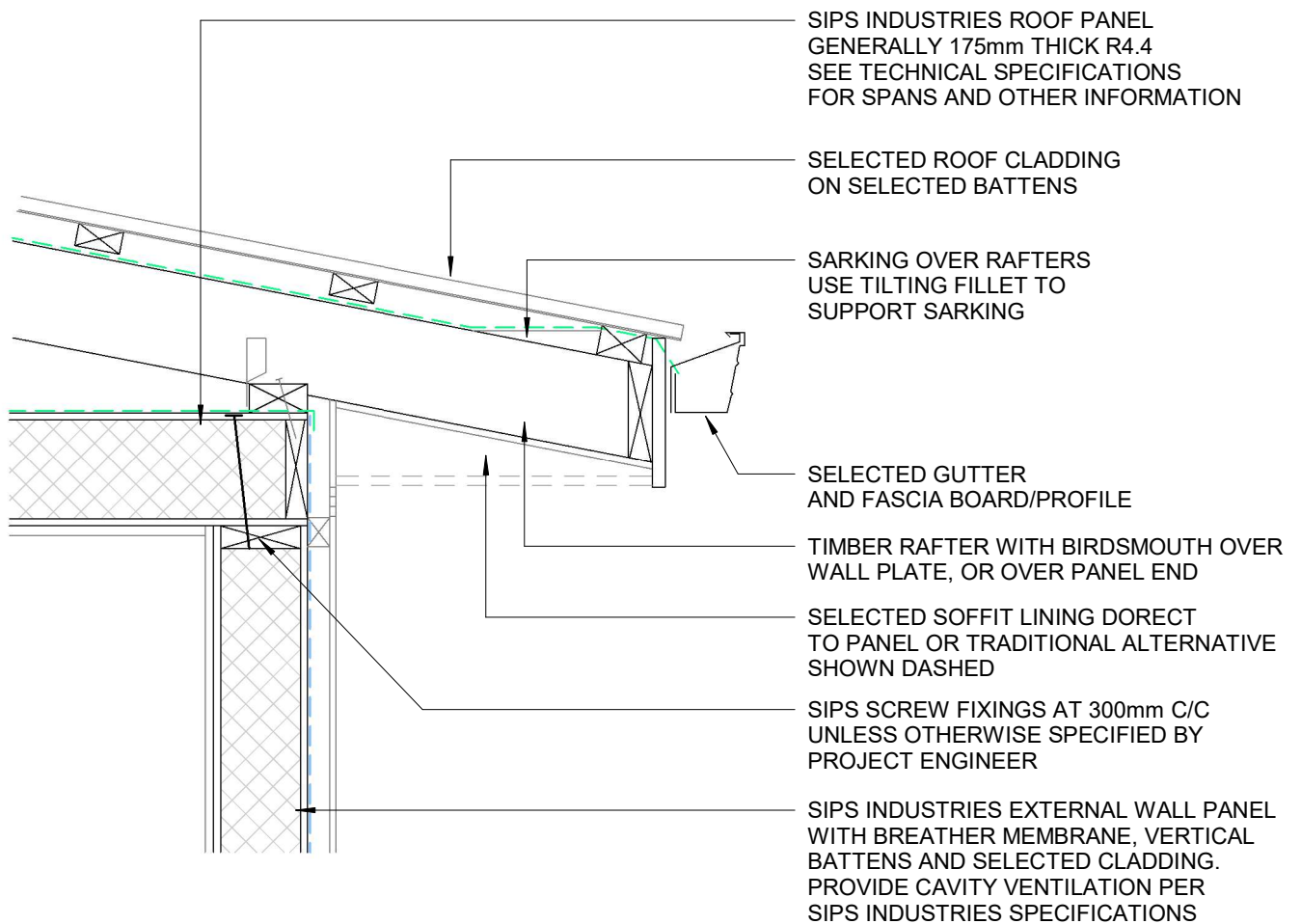


SIPS EAVES DETAIL - CONCEALED GUTTER



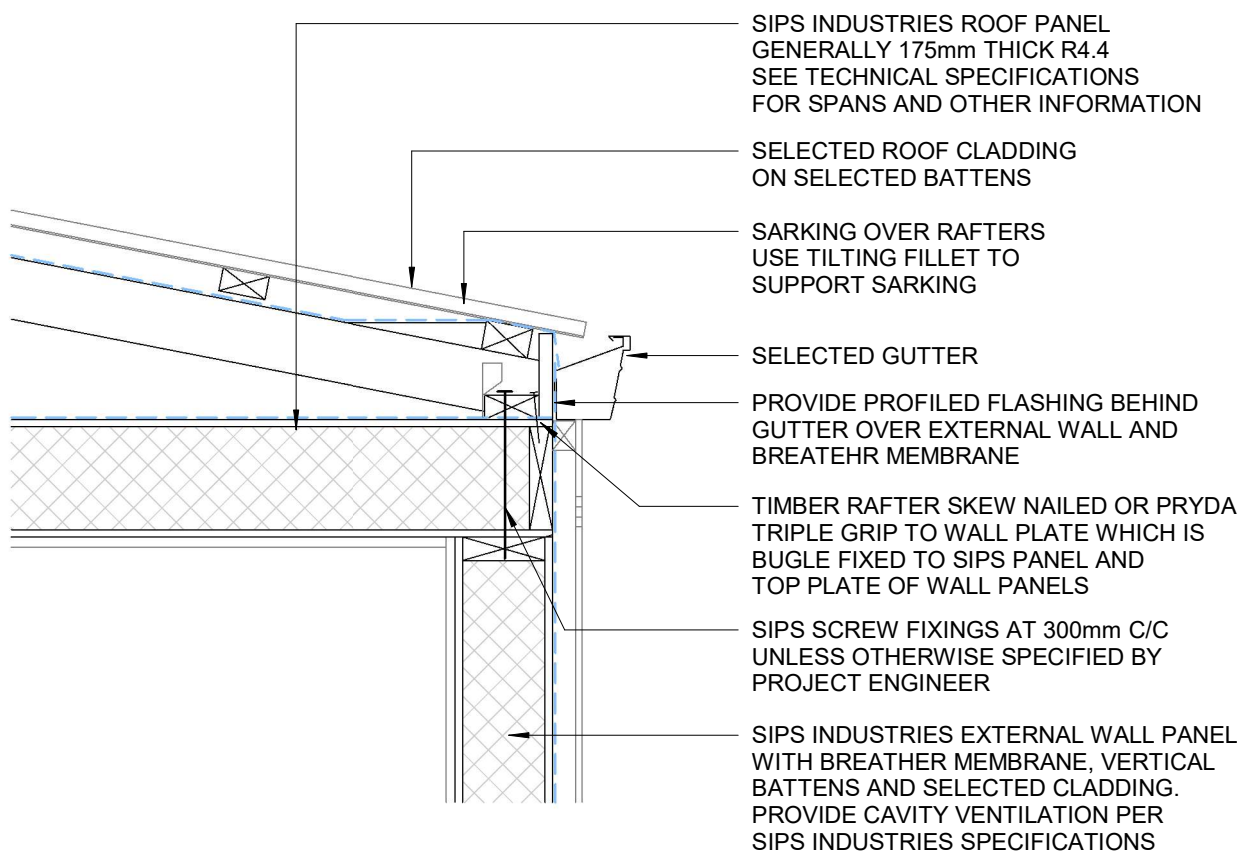


SIPS EAVES DETAIL - SIPS CEILING



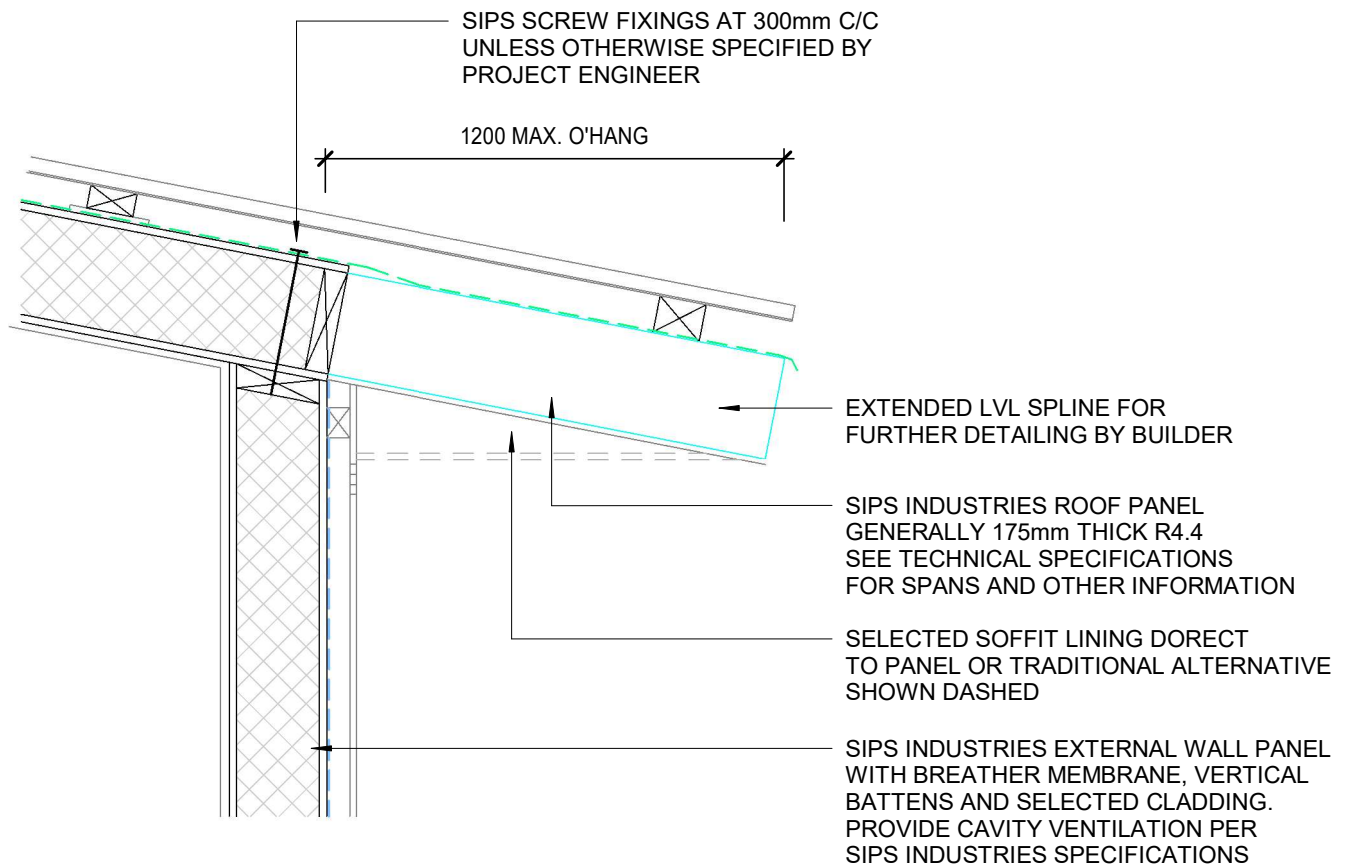


SIPS EAVES DETAIL - SIPS CEILING - FLUSH GUTTER



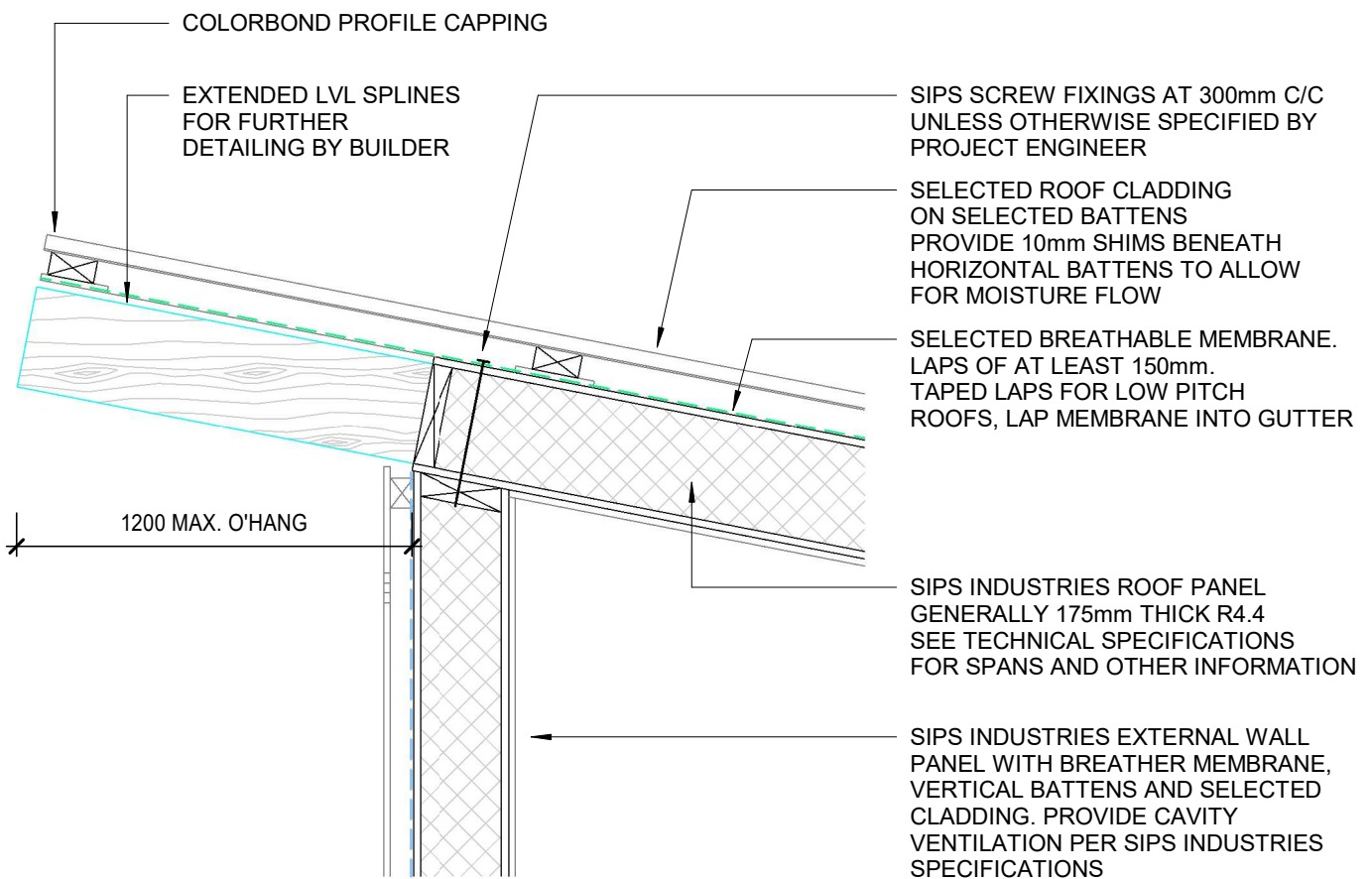


SIPS EAVES DETAIL - EXTENDED SPLINE



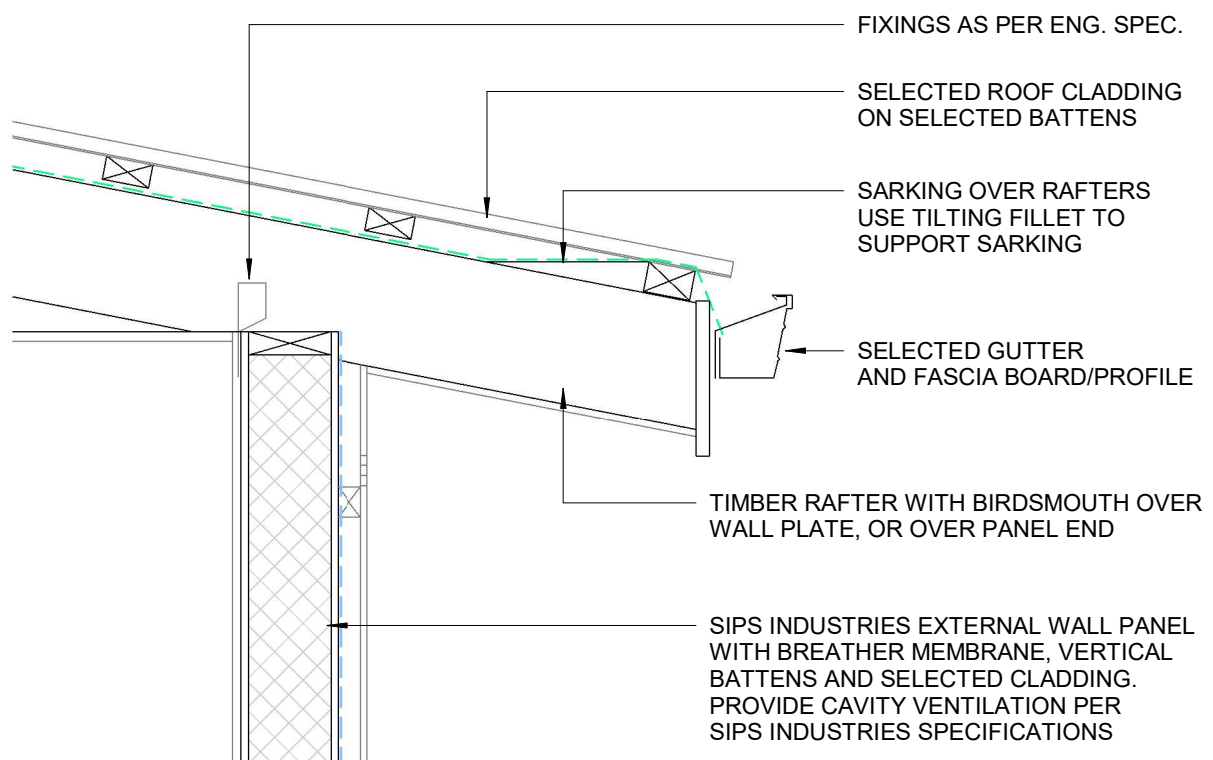


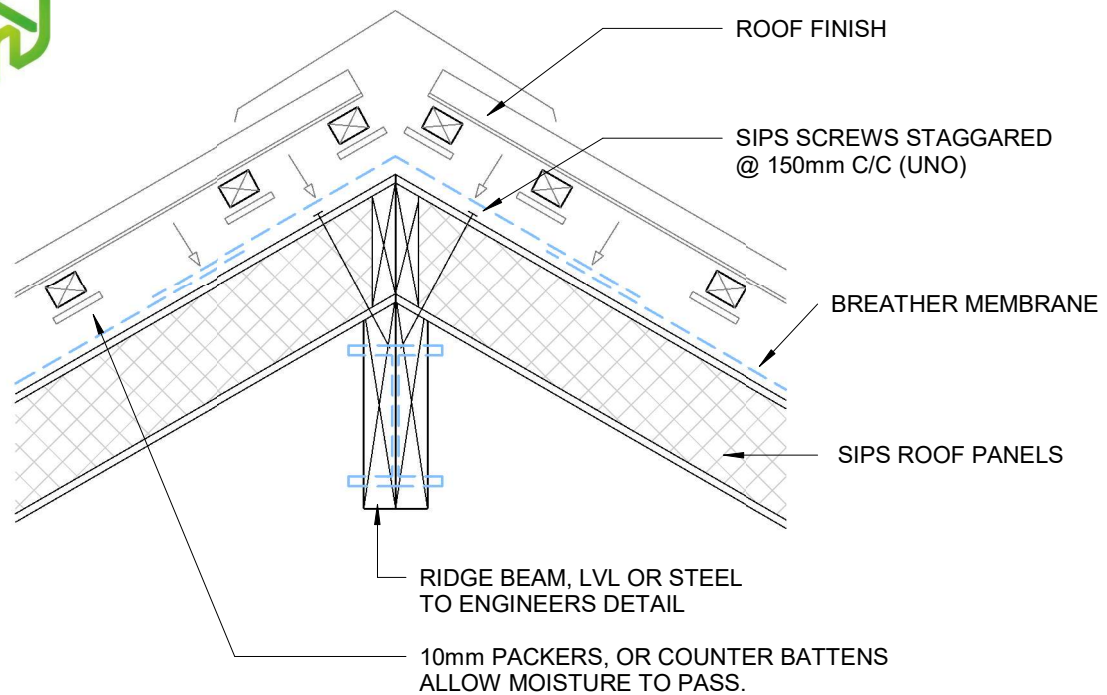
SIPS SKILLION DETAIL - EXTENDED SPLINE



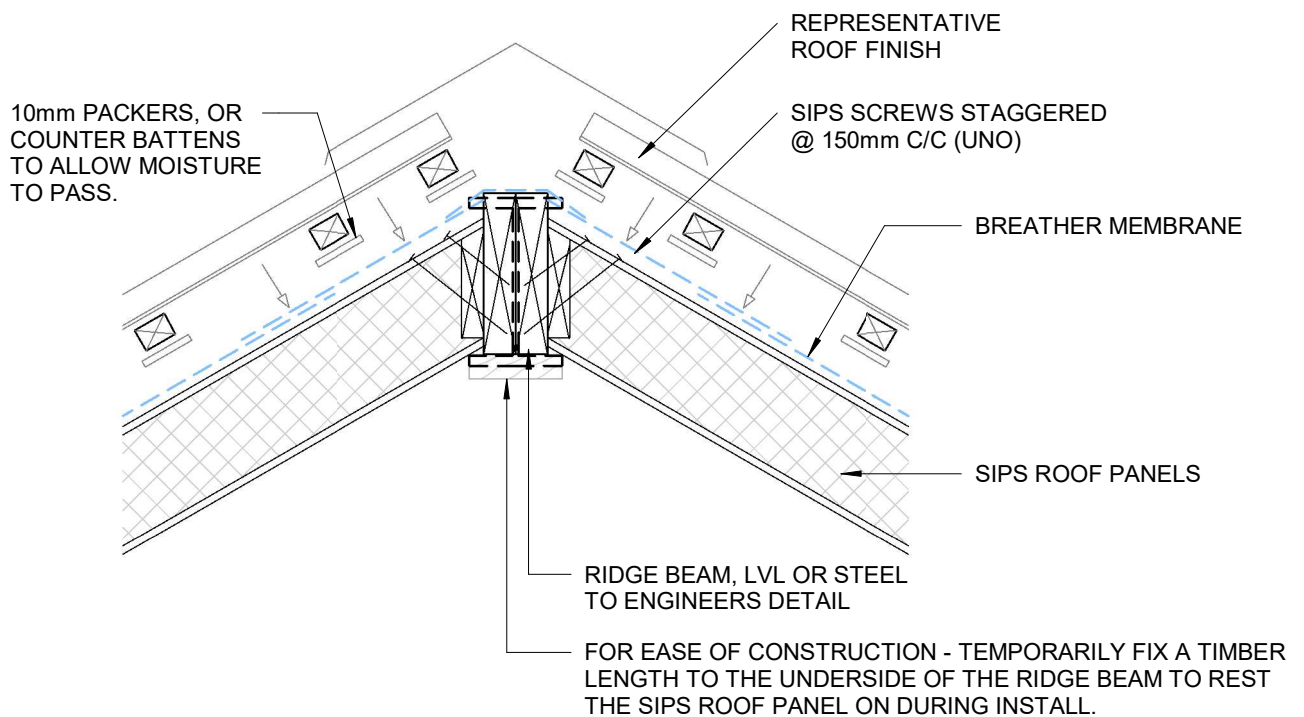


EAVES DETAIL - Framed Roof





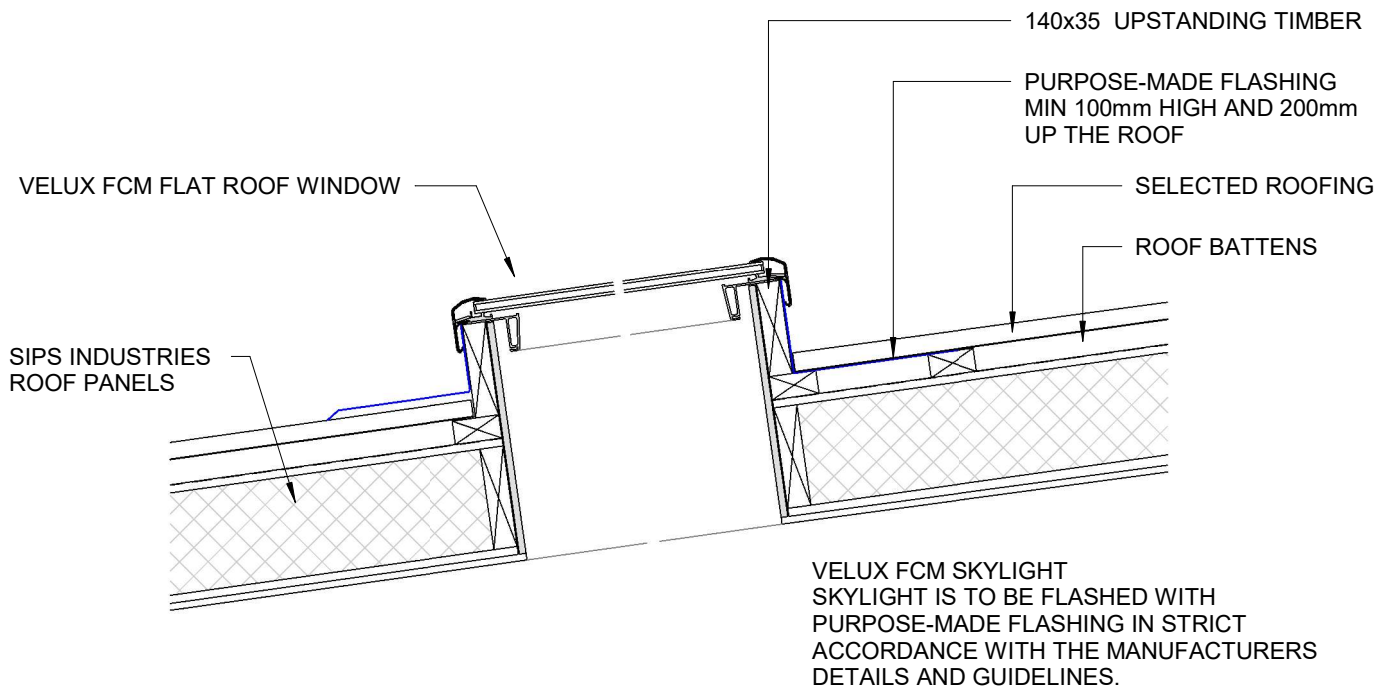
RIDGE DETAIL - TYPICAL



RIDGE DETAIL - HIDDEN RIDGE

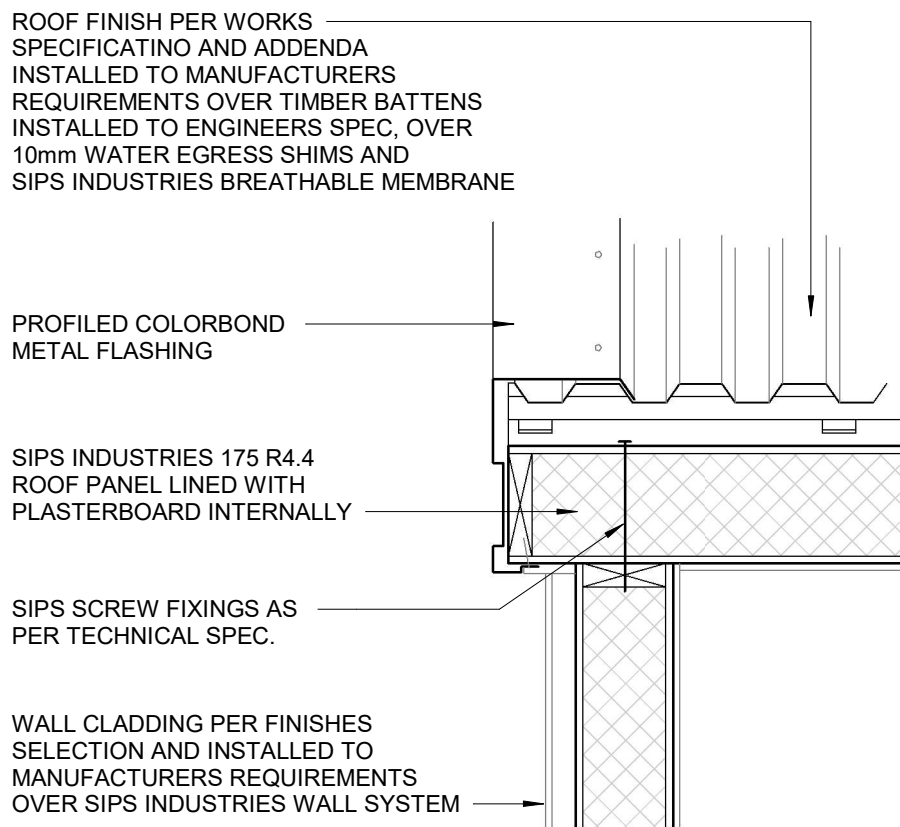


VELUX DETAIL - FLAT ROOF (FCM)





SIPS BARGE DETAIL - TYPICAL





SIPS PARAPET DETAIL

ROOF FINISH PER WORKS
SPECIFICATION AND ADDENDA
INSTALLED TO MANUFACTURERS
REQUIREMENTS OVER TIMBER BATTENS
INSTALLED TO ENGINEERS SPEC

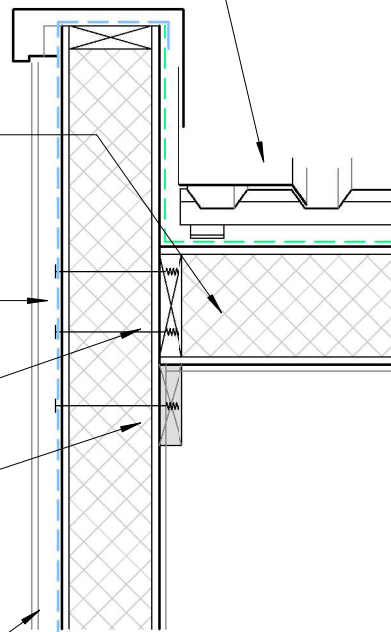
SIPS INDUSTRIES 175 R4.4
ROOF PANEL LINED WITH
PLASTERBOARD INTERNALLY

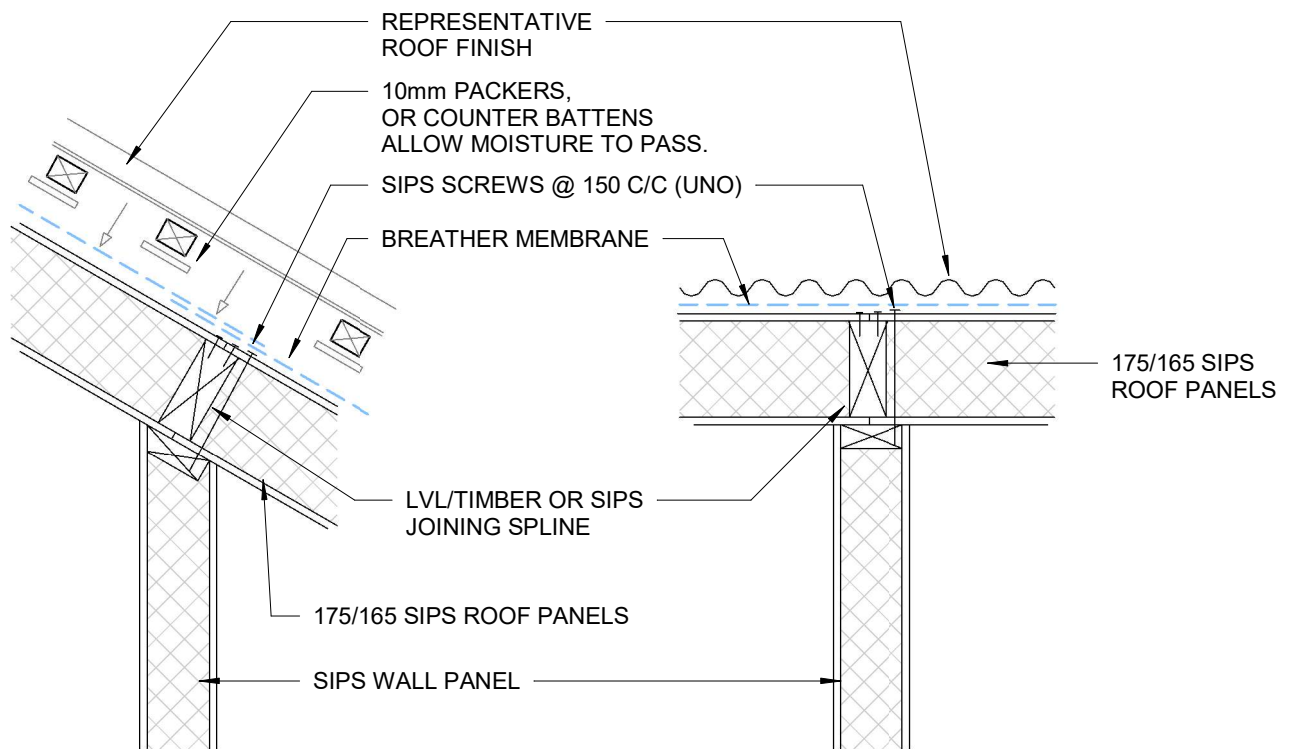
SIPS ROOF PANELS FITTED OVER
PREFITTED LEDGER BEAM AND
FIXED THROUGH WALL PANEL

SIPS SCREWS STAGGARED AT
300mm C/C

PERMANENT OR REMOVABLE
TIMBER LEDGER BEAM

WALL CLADDING PER FINISHES
SELECTION AND INSTALLED TO
MANUFACTURERS REQUIREMENTS
OVER SIPS INDUSTRIES WALL SYSTEM





Support Wall - Roof Over (a)

Support Wall - Roof Over (b)