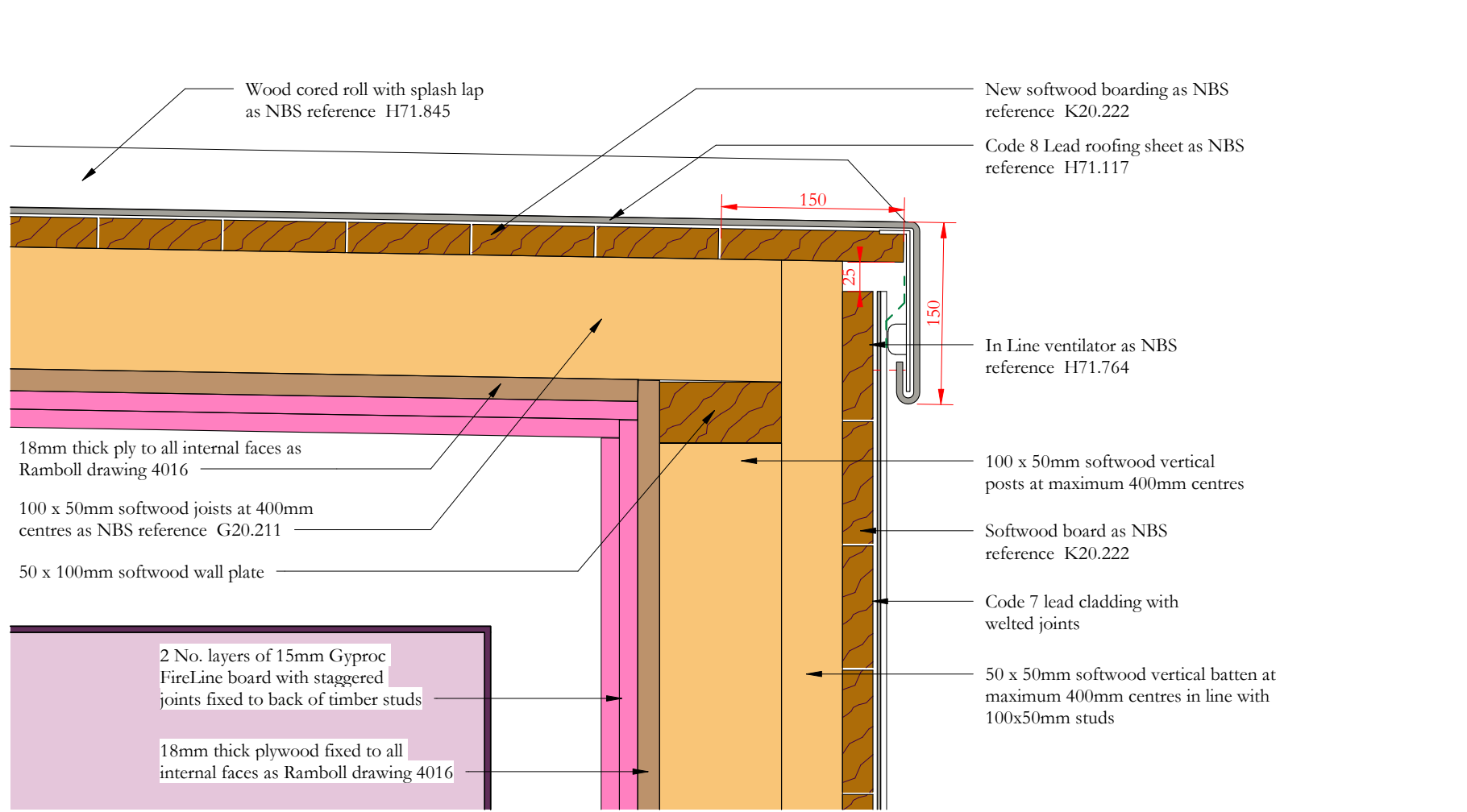
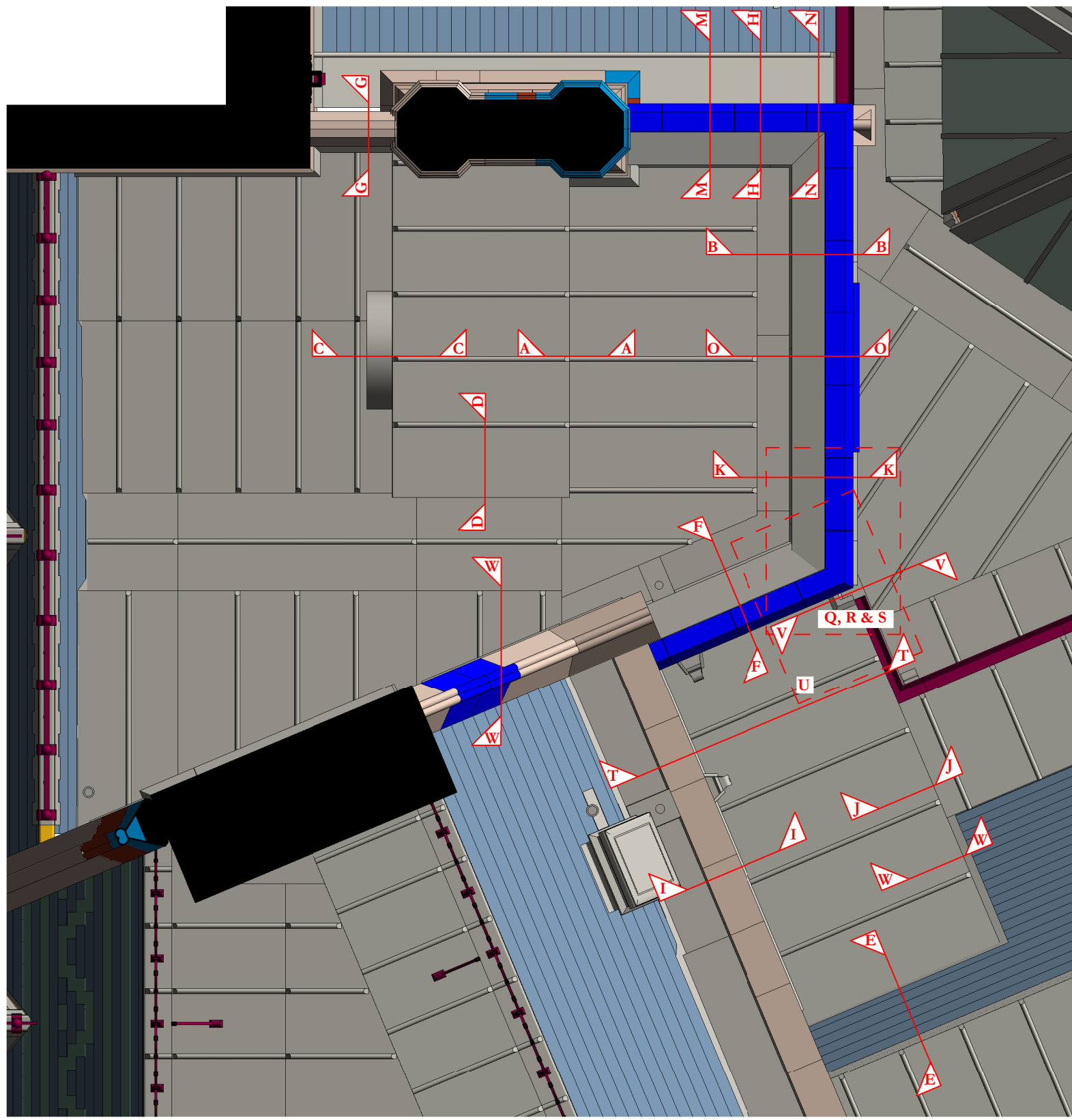
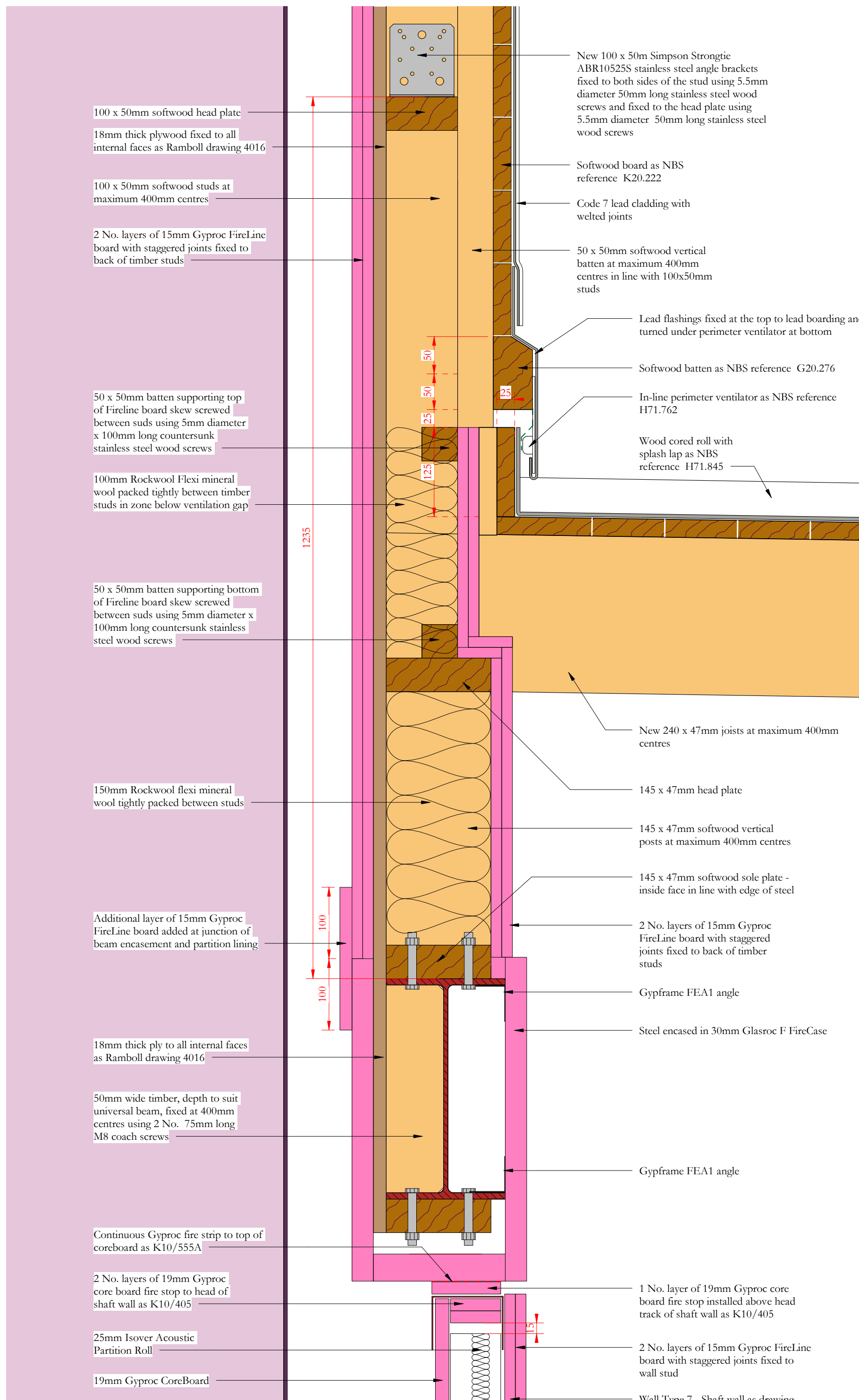




Section A-A

Scale 1:5



For Princess Street Extension details refer to drawings:
OTH-PUR-TH-RF-DWG-A-7022 - Section A-A and B-B
OTH-PUR-TH-RF-DWG-A-7404 - Section C-C, D-D
OTH-PUR-TH-RF-DWG-A-7405 - Section E-E and F-F
OTH-PUR-TH-RF-DWG-A-7406 - Section G-G and H-H
OTH-PUR-TH-RF-DWG-A-7021 - Section I-I and J-J
OTH-PUR-TH-RF-DWG-A-7042 - Section K-K and L-L
OTH-PUR-TH-RF-DWG-A-7408 - Section M-M
OTH-PUR-TH-RF-DWG-A-7459 - Section N-N
OTH-PUR-TH-RF-DWG-A-7423 - Section Q-Q and P-P
OTH-PUR-TH-RF-DWG-A-7425 - Section Q-Q, R-R and S-S
OTH-PUR-TH-RF-DWG-A-7428 - Section T-T
OTH-PUR-TH-RF-DWG-A-7471 - Section U-U and V-V
OTH-PUR-TH-RF-DWG-A-7643 - Section W-W

SPS Fixings:

Base Track Fixed to Concrete:
Fixed with 6mm diameter concrete screws at maximum 600mm centres. Fixings should be close to the centre of the Metsec track but minimum 50mm away from the concrete slab edge.

Slotted Head Track Fixed to Concrete:
Fixed with 6mm diameter concrete screws at maximum 600mm centres. Fixings should be close to the centre of the Metsec track but minimum 50mm away from the concrete slab edge.

Base/Head Track Fixed to Steel:
Fixed with 5.5mm diameter Tek screws at maximum 600mm centres. Fixings should be close to the centre of the Metsec track but minimum 20mm away from the steel flange edge.

Z-Bar Fixed to Steel:
Fixed with 5.5mm diameter tek screws with 2 No. fixings to each zed bar.

Angles Fixed to Steel:
Fixed with 5.5mm diameter tek screws with 2 No. fixings to each angle section.

Angles Fixed to Z-Bar:
Fixed with 5.5mm diameter tek screws with 2 No. fixings to each angle section.

Slotted Head track Fixed to Z-Bar:
Fixed with 5.5mm diameter tek screws with 1 No. fixing connecting the Metsec head track to each zed bar. Fixing should be close to the centre of the Metsec track.

Slotted Head Track to Slotted Head Track:
200mm length of Metsec stud central at head track joint. Fixed with 5.5mm diameter tek screws - 2 No. fixings to each flange between slots and 1 No. fixing to web.

Stud Fixed to Base Track:
5.5mm diameter tek screws, 1 No. to each flange for infill walling.

Deflection Head - Stud Fixed to Metsec Slotted Track:
Fixed with 1 No. 5.5mm diameter tek screw to each flange. Fixing to be located centrally in the vertical slot level with the fixing mark line.

Nogging Fixed to Stud:
Metsec 40VB11 bracing on both sides. Fixed with 5.5mm diameter tek screws, 1 No. to every stud, 3 No. to every nogging piece.

Cill Fixed to Jamb Stud
Minimum 150mm long Metsec section fixed with 4 No. 5.5mm diameter tek screws to jamb stud. Metsec track fixed to stud with 2 No. 5.5mm diameter tek screws to each flange of stud.

Lintel Fixed to Jamb Stud
Minimum 150mm long Metsec section fixed with 4 No. 5.5mm diameter tek screws to jamb stud. Metsec track fixed to stud with 2 No. 5.5mm diameter tek screws to each flange of stud.

Timber fixings:

Sarking board to be fixed to bearers using 65mm long 5mm diameter countersunk stainless steel wood screws

50 x 50 bearers to be fixed to firings using 100mm long 5mm diameter countersunk stainless steel wood screws at maximum 400mm centres

Firings to be skew screwed to joists using 125mm long 5mm diameter countersunk stainless steel wood screws at maximum 400mm centres

Ventilation battens to be fixed to masonry using 125mm long 5mm diameter countersunk stainless steel wood screws in nylon plugs screws at maximum 400mm centres

Ventilation battens to be fixed to timber using 125mm long 5mm diameter countersunk stainless steel wood screws at maximum 400mm centres

Studs to be skew screwed to base and head plates with 125mm long 5mm diameter countersunk stainless steel wood screws. 2 No. screws per stud

Noggins to be skew screwed to studs with 125mm long 5mm diameter countersunk stainless steel wood screws. 1 No. screw to each stud

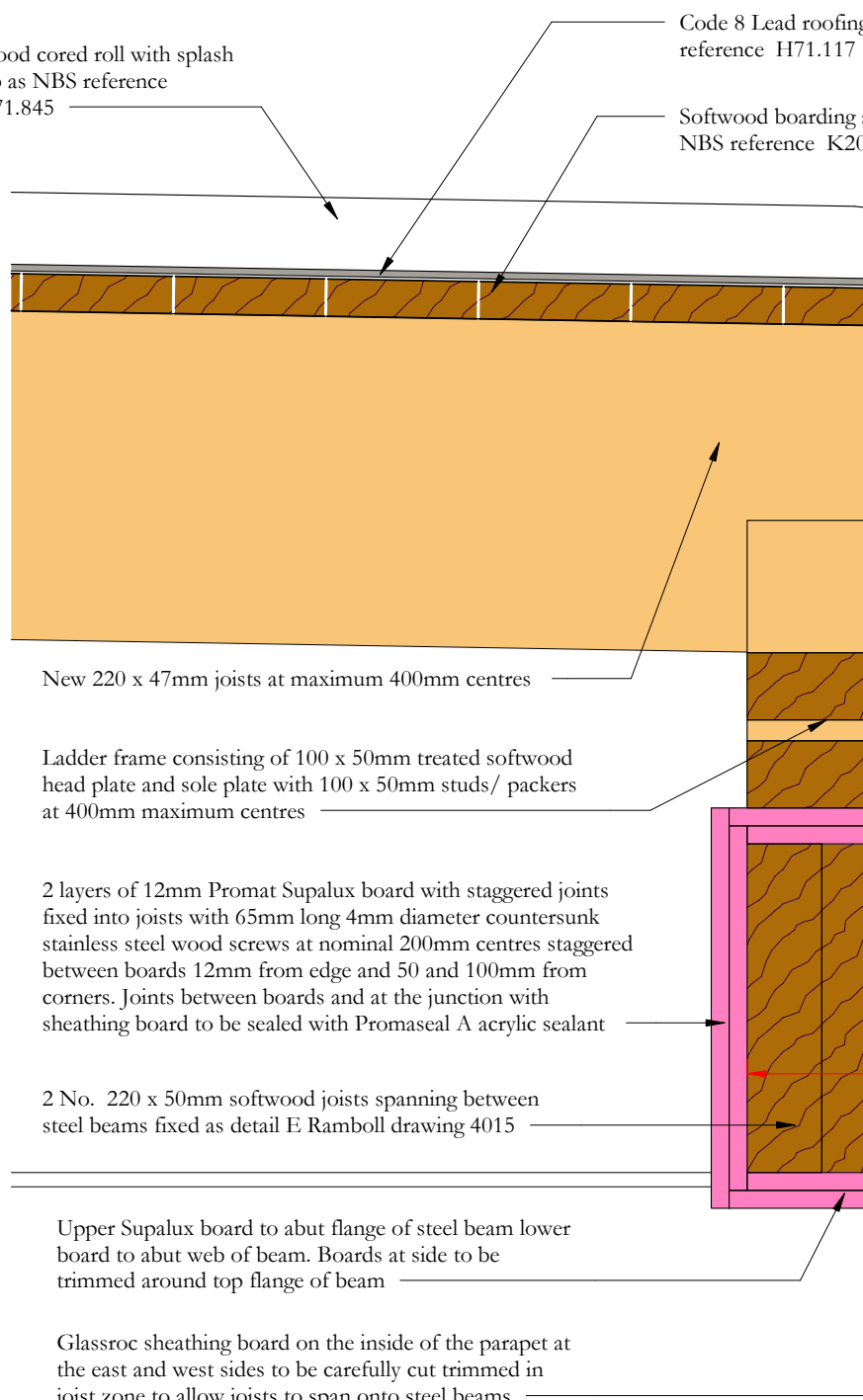
Sole plates to be fixed to steel beams using M12 bolts at 600mm centres, staggered each side of web. Provide 14mm diameter pre-drilled holes to the top flange

Joists fixed to steel using Simpson Strong-Tie ABR105 brackets to both sides of the joist, secured with 2 No. M12 bolts to the universal beam and 10 No. 25mm long 4.0mm diameter nails to joist

Joists fixed to masonry with M12 threaded anchors with HILTI HIT-HY270 resin at 600mm centres with 130mm embedment

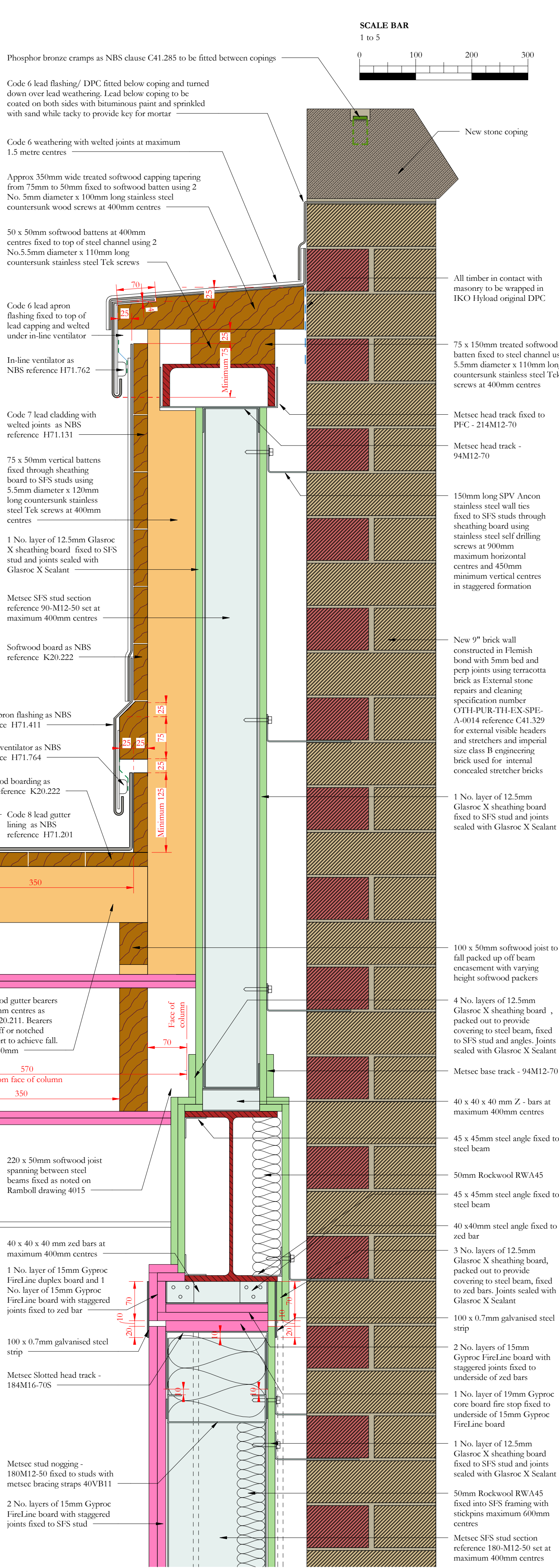
Joists fixed to supporting timber work with 2 No. 75mm long 5mm diameter wood screws

Joists fixed to joist using M12 bolts at 600mm centres staggered bolt pitch 120mm

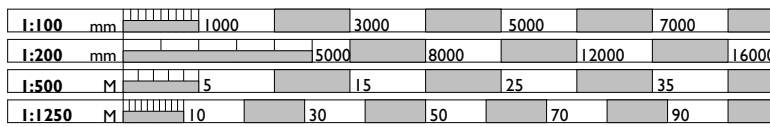


Section B-B

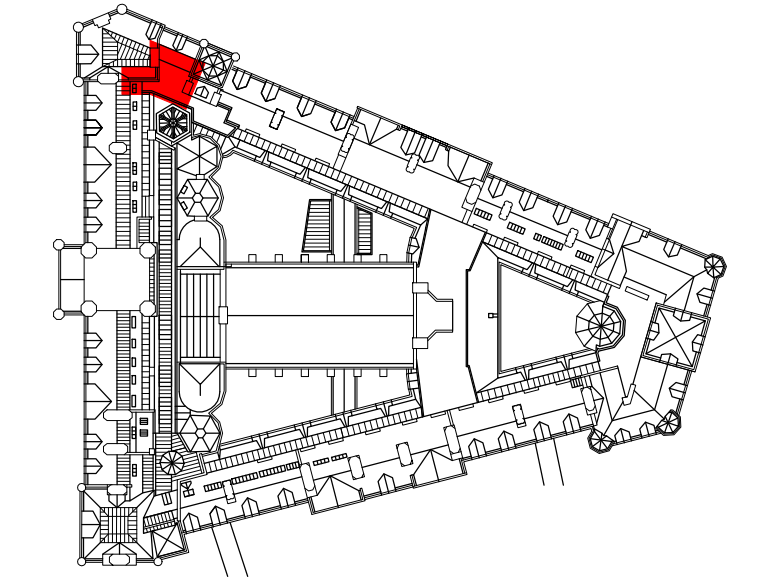
Scale 1:5



Scale Bars to be used as guidance only - refer to sheet size below



Notes:
Drawings are based on survey data and may not accurately represent what is physically present.
Do not scale from this drawing. All dimensions are to be verified on site before proceeding with the work.
All dimensions are in millimeters unless noted otherwise.
Purcell shall be notified in writing of any discrepancies.



Revision 09: Head plate shown fixed to top of 100 x 50mm softwood studs to allow for phased construction of duct outlet housing. Vertical timber battens shown fixed to 100 x 50mm timber studs to maintain ventilation behind lead cladding. 18mm plywood inner lining extended to bottom of steel beams to correspond with Ramboll's details. Beam encasement detail amended with encasement omitted from top of beams and Rockwool mineral wool added in gap between studs below roof level.

Revision 08: Setting out dimensions for timber beams supporting gutter and joists added. Supalux board encasement added around timber beams that penetrate sheathing board on inside of parapet. Phosphor bronze cramps added between coping stones

Revision 07: Timber batten shown fixed to top of PFC channel to close top of cavity. Notes amended to add fixings for timber battens to steel. Configuration of timber beams and runners supporting gutter. Plywood lining added to duct outlet housing as shown on Ramboll drawing 4016

Revision 06: Timber and SFS fixing notes amended

Revision 05: Brick tie setting out amended. Steel angle fixed to beam to support brick tie added. Steel encasement to beam in riser amended to correspond with drawing 5689

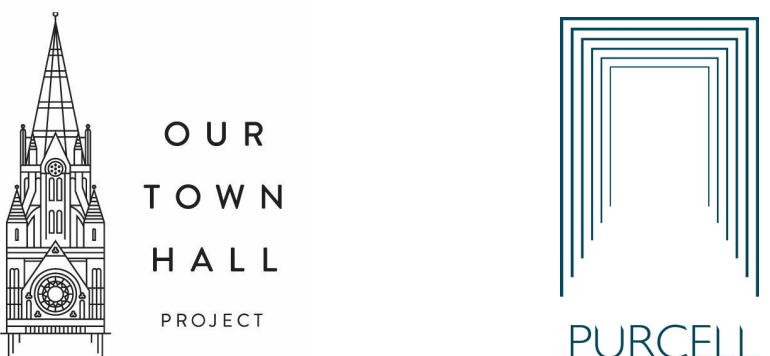
Revision 04: SFS channel below the deflection head detail changed to stud section fixed with straps. Location of insulation changed and notes added regarding fixings to support the insulation

Revision 03: Sarking board on cavity face of Metsec framing changed from 2 No. layers of cement board to 1 No. layer of Glasroc X. Internal plasterboard changed from 2 layers of Fireline board to 1 layer of Fireline and 1 layer of Fireline Duplex board. 50mm Rockwool RWA45 added within Metsec framing zone. Detail around beam above door opening amended to completely encase beam. Plastered boxing detail added to conceal projecting ends of kneeler stones

Revision 02: Type of SFS framing and wall ties amended. Details of duct enclosure amended

Revision 01: Drawing status changed to S4 Construction. Blockwork inner leaf omitted and substituted with SFS framing. Steel channel, SFS framing and lead cladding added on the inside of the parapet. Timber framing to roof amended

ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION
09	10/04/2025	GR	JRC	See note in revision cloud
08	19/11/2024	JC	GR	See note in revision cloud
07	22/04/2024	GR	JRC	See note in revision cloud
06	28/03/2024	GR	JRC	See note in revision cloud



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PROJECT STATUS	RIBA Stage 5
CLIENT	Manchester City Council
PROJECT	Our Town Hall
DRAWING TITLE	Lead Roof and Brick Parapet Detail NR_P01
SIZE & SCALE	A1:As indicated
DRAWING STATUS	S4 - Construction

JOB NUMBER 236959

DRAWING NO. OTH-PUR-TH-RF-DWG-A-7022 09

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