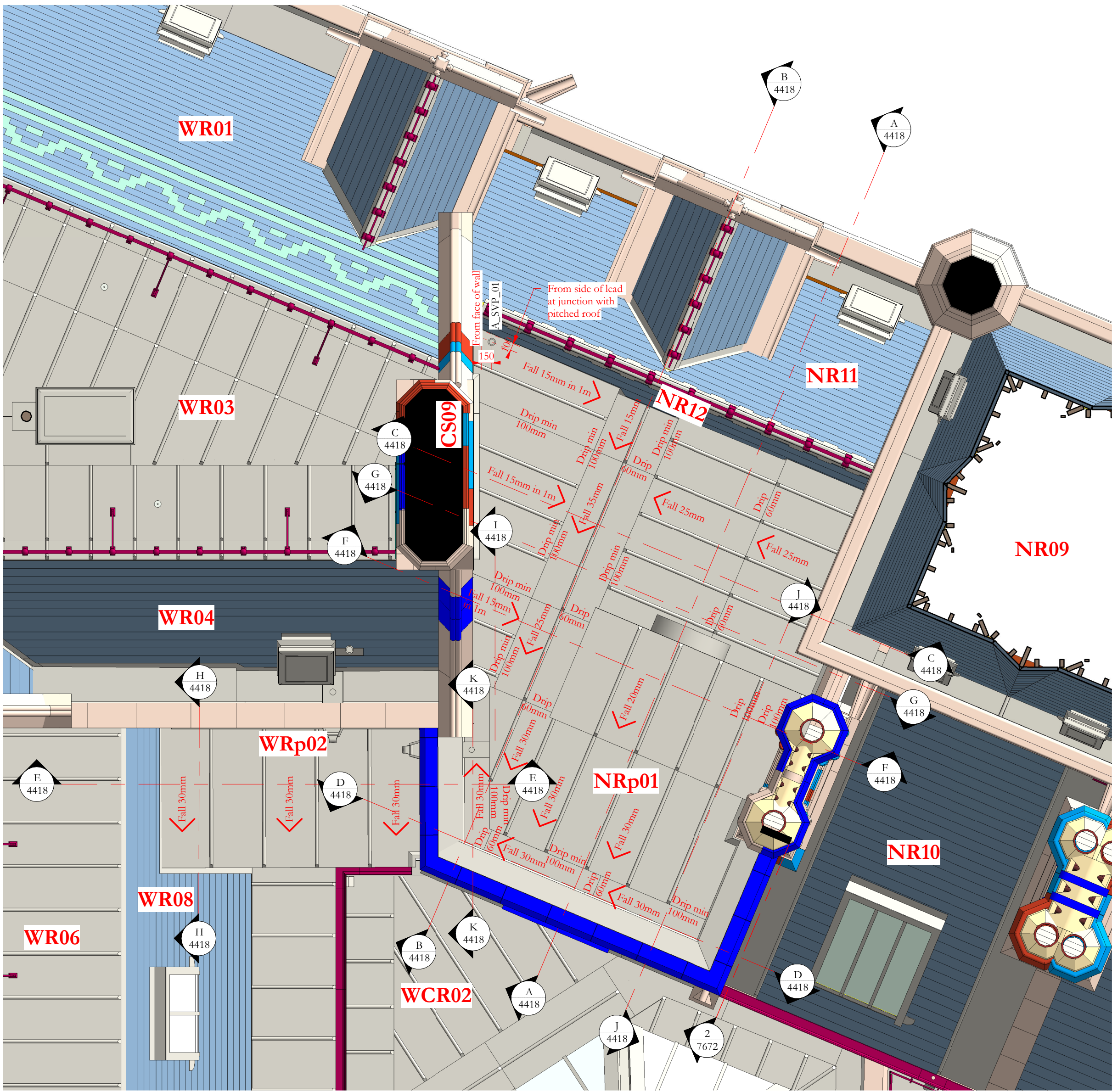




Roof Plan

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

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

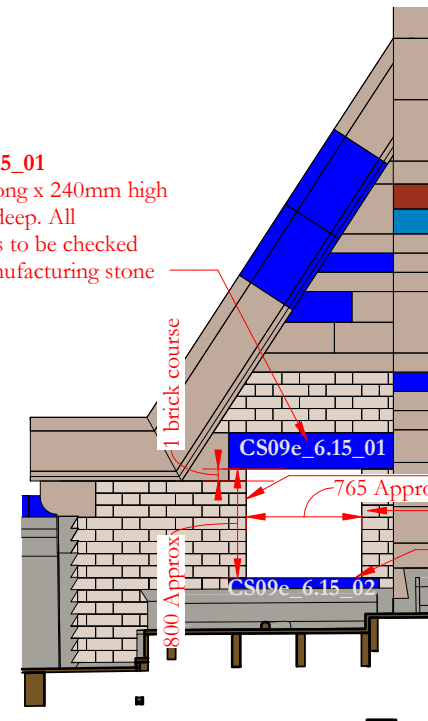
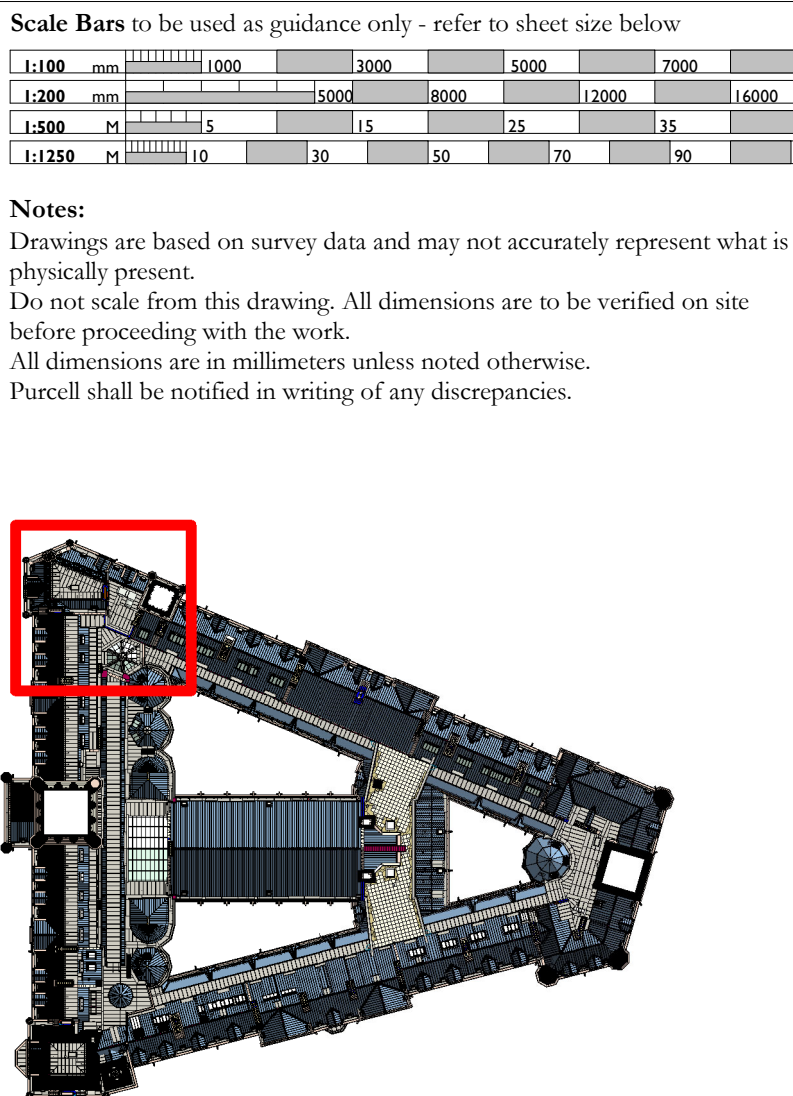
Sole plates to be fixed to steel beams using M12 bolts at 600mm centres, staggered each side of web. Provide 14mm diameter pre-drilled holes to the top flange

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

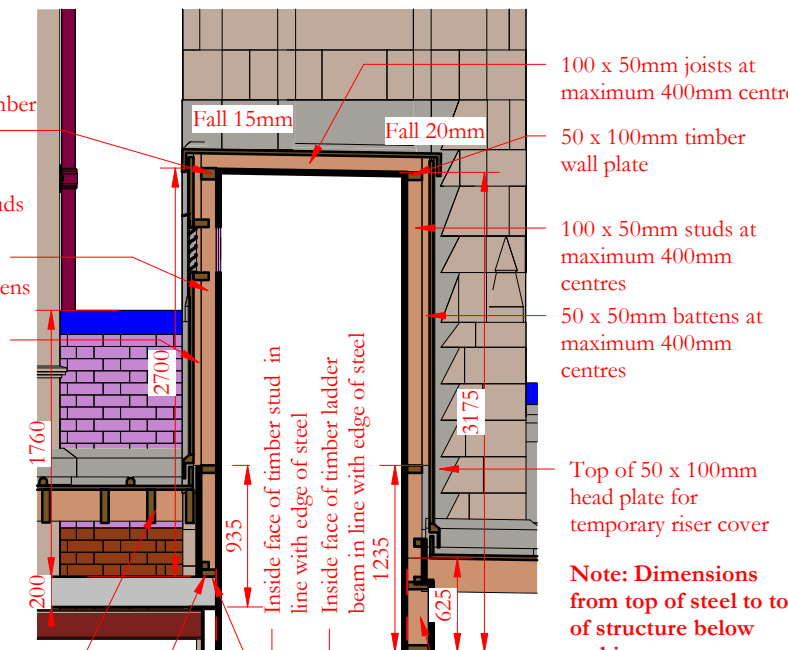
Joists fixed to masonry with M12 threaded anchors with HILTI HIT-HY270 resin at 600mm centres with 130mm embedment

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

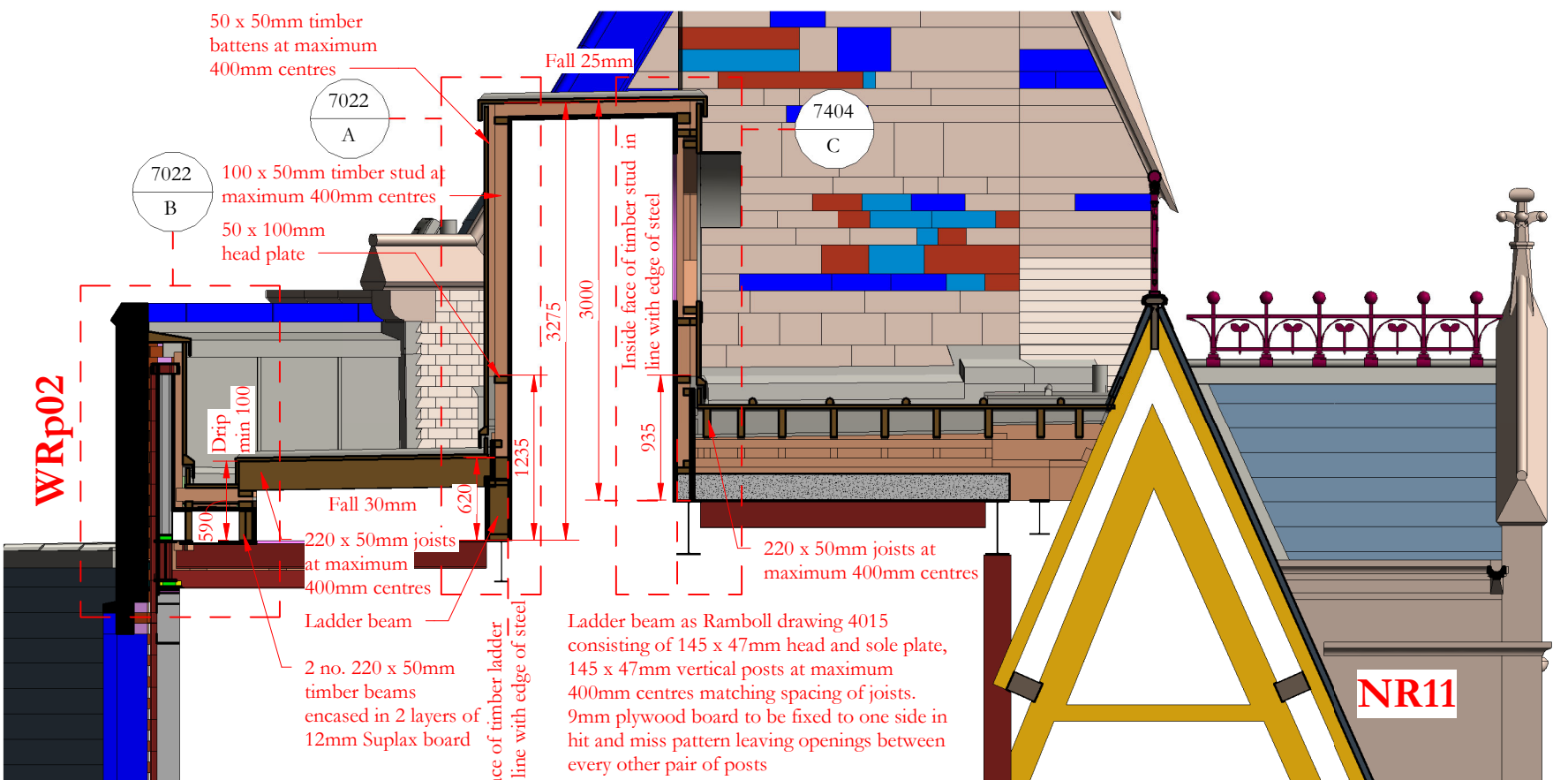
Joists fixed to joist using M12 bolts at 600 mm centres staggered bolt pitch 120mm



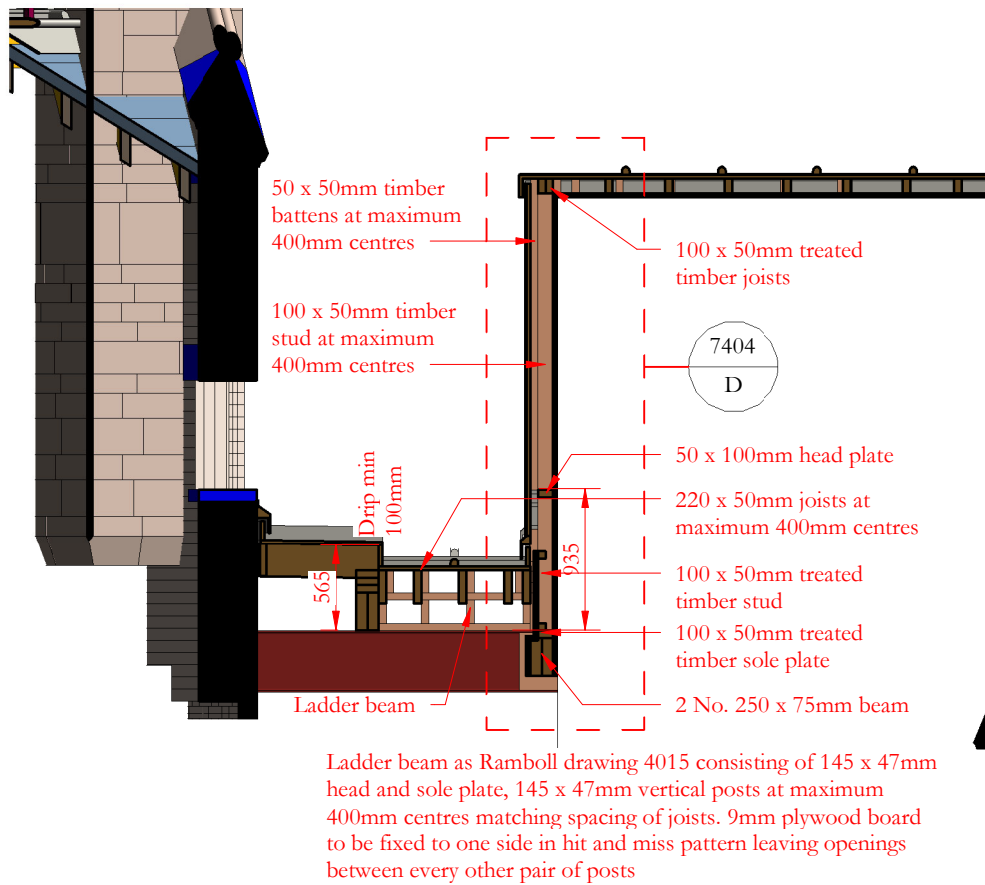
Section I-I



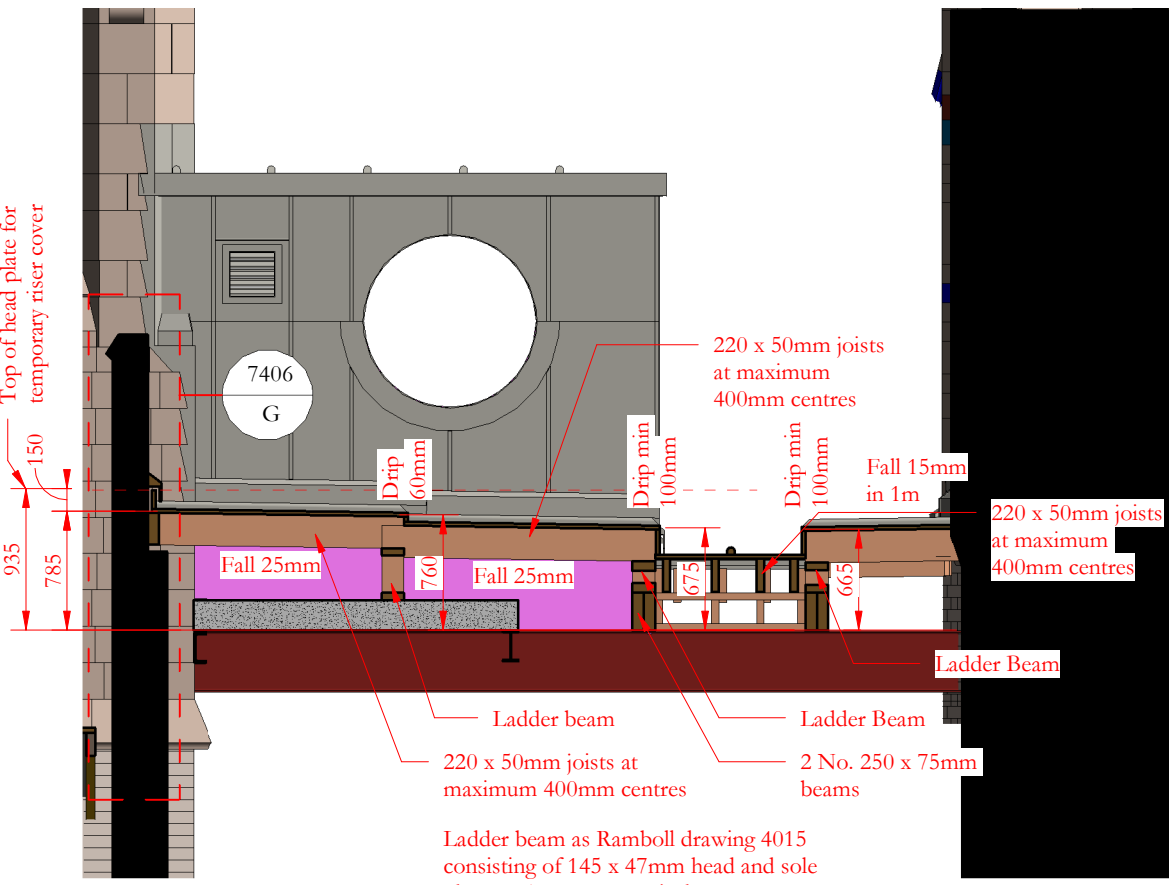
Section J-J



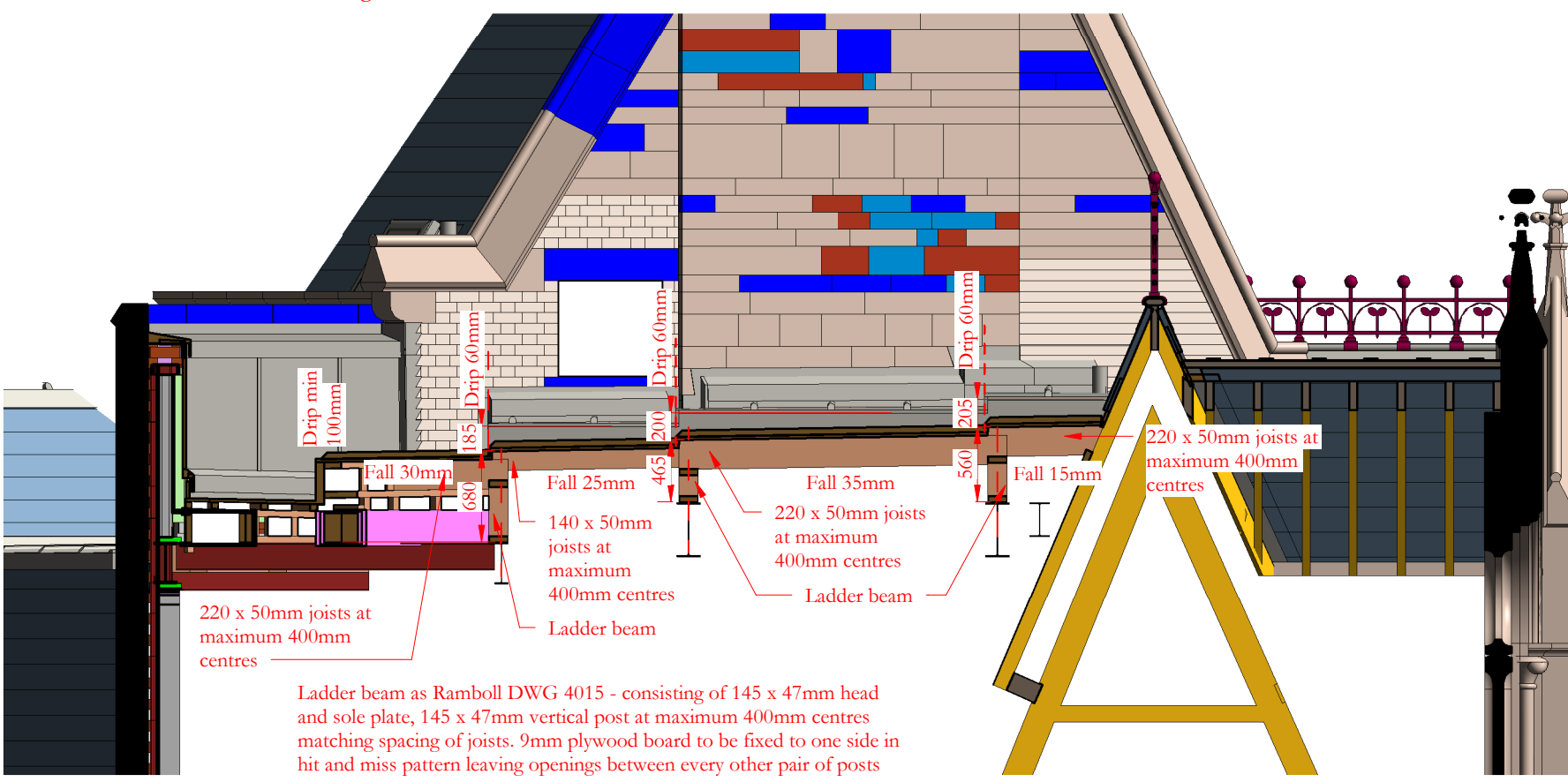
Section A-A



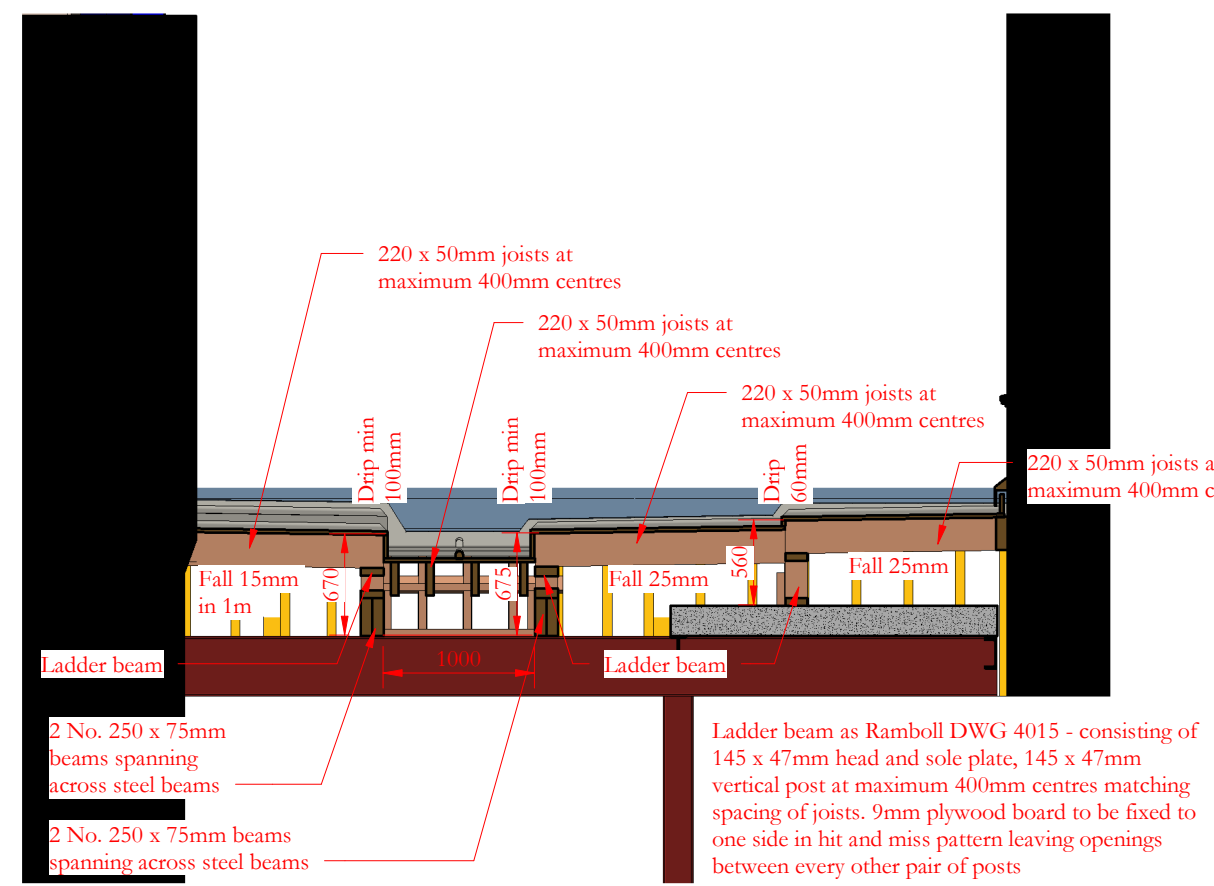
Section F-F



Section G-G



Section B-B



Section C-C

Revision 06: Head plate added in duct outlet housing to allow temporary cover to be fitted at low level. Dimension for top of head plate shown in relation to steel beams. 50 x 50 vertical battens added to duct outlet housing to maintain ventilation gap following introduction of head plate. Roof upstand on duct outlet housing omitted and substituted with ventilation louvre on north side

Revision 05: Timber beams supporting gutter and joists amended and gutter setting out amended

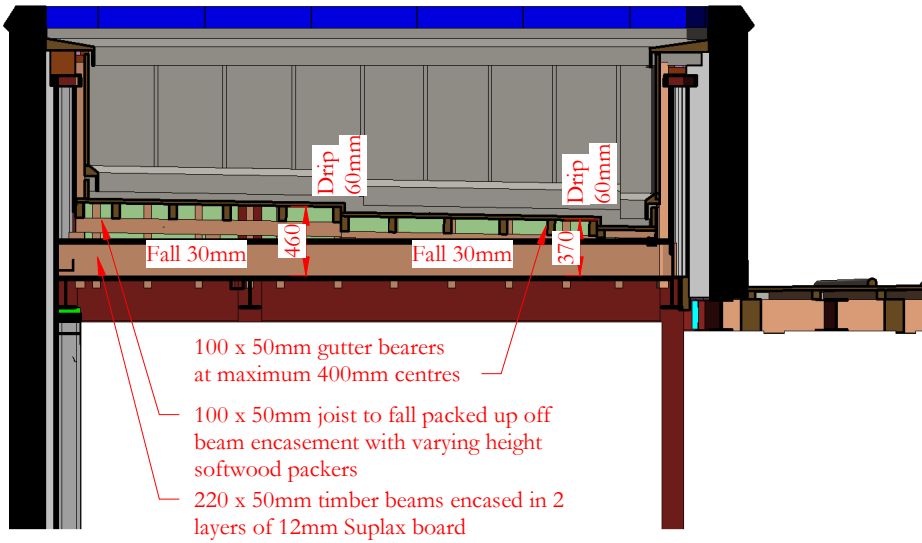
Revision 04: Note added to clarify roof level dimensions. Beam configuration at eaves amended

Revision 03: Timber fixing note added

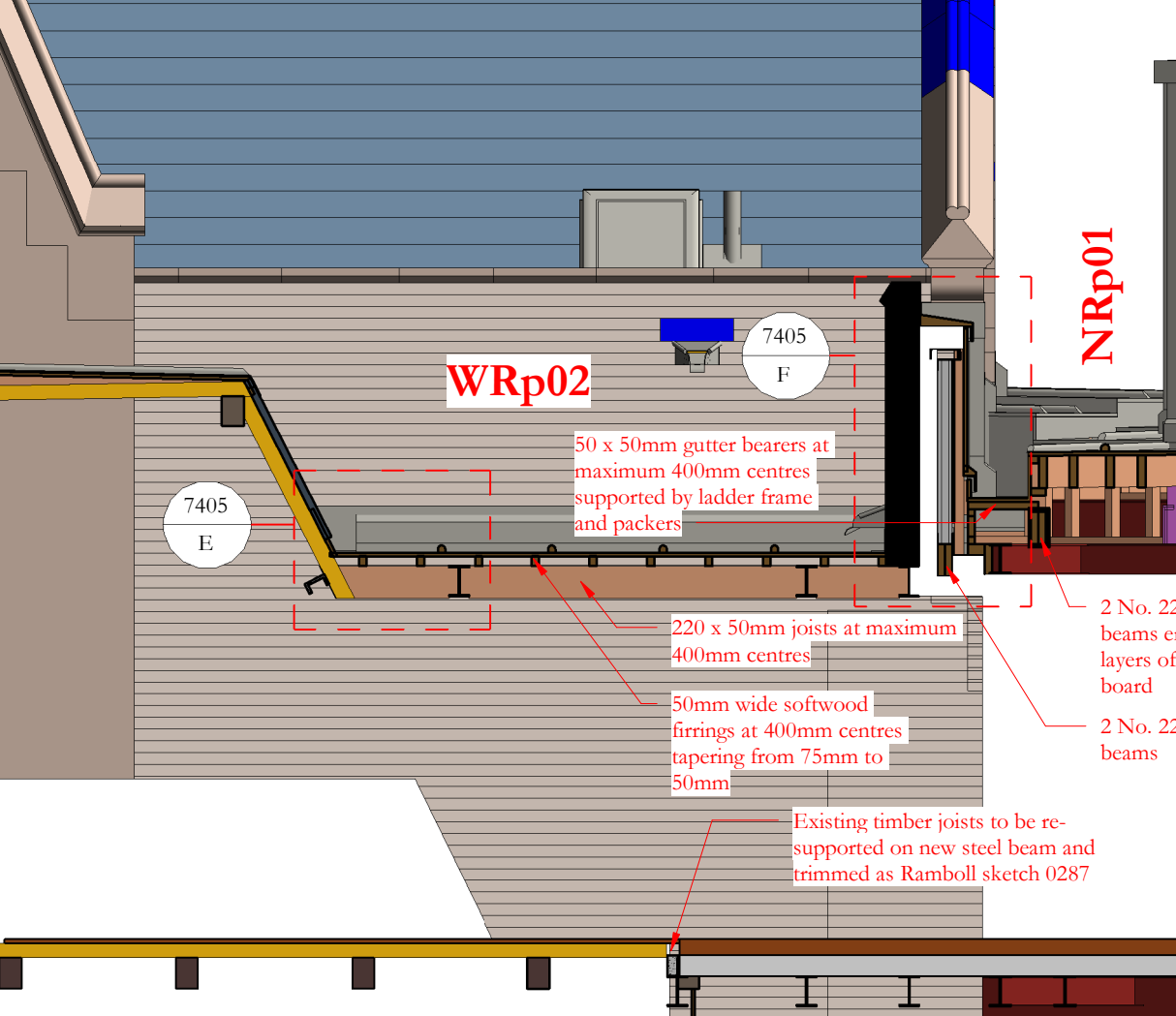
Revision 02: Location and setting out of soil and vent pipe A-SVP-01 added. Drawing status changed to S4 Construction

Revision 01: Layout of roof and size of joists and bearers amended. Additional sections, notes and dimensions added. Drawing issued for construction

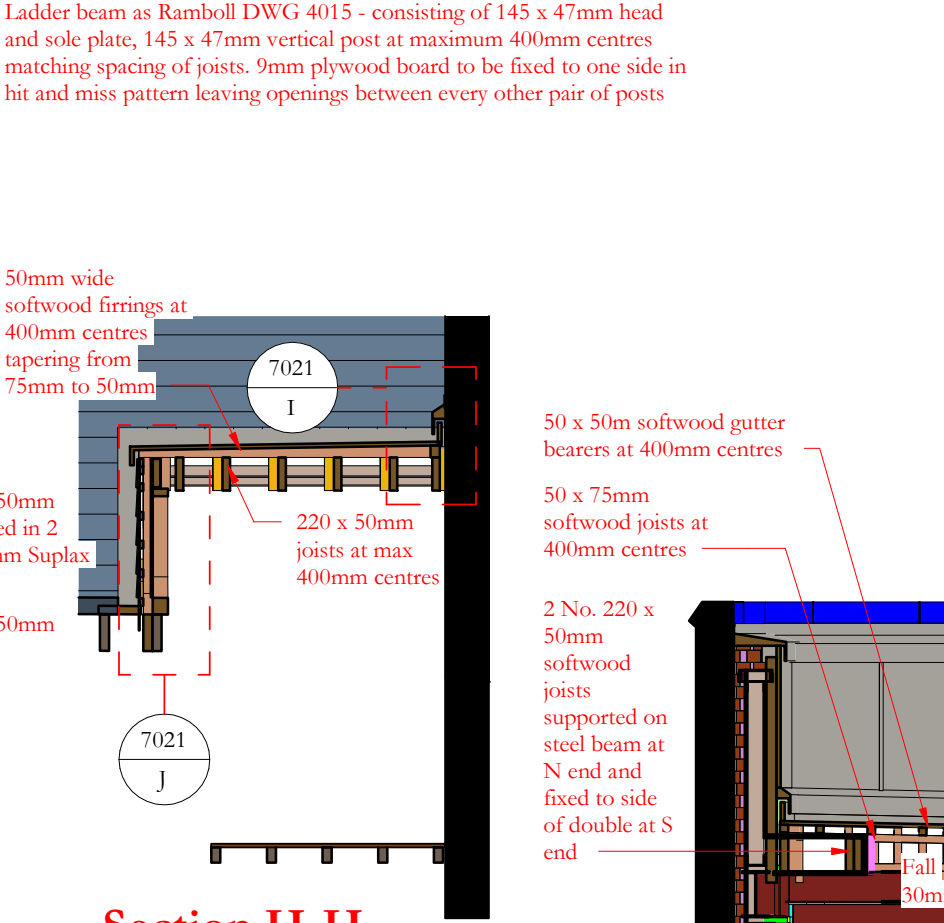
06	10/04/2025	GR	JRC	See note in revision cloud
05	19/11/2024	GR	JRC	See note in revision cloud
04	22/04/2024	GR	JRC	See note in revision cloud
03	28/03/2024	GR	JRC	See note in revision cloud



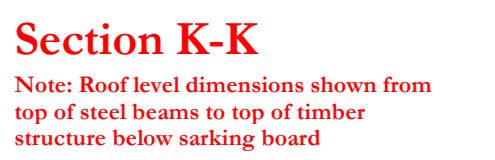
Section D-D



Section E-E



Section H-H



Section K-K

OUR TOWN HALL PROJECT

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PROJECT STATUS	RIBA Stage 5
CLIENT	Manchester City Council
PROJECT	Our Town Hall
DRAWING TITLE	Roof NRp01 Proposed new timber roof structure
SIZE & SCALE	A1:As indicated
DRAWING STATUS	S4 - Construction
JOB NUMBER	236959
DRAWING NO.	OTH-PUR-TH-RF-DWG-A-4418 06