

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.

SFS 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 6 mm 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 5.5 mm 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 150 mm 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 150 mm 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 joists using M12 bolts at 600 mm centers staggered bolt pitch 120mm

Revision 01: Timber and SFS fixing notes added

01	28/03/2024	GR	JRC	See note in revision cloud
-	02/02/2024	GR	JRC	First issue
ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION



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PROJECT STATUS	RIBA Stage 5
CLIENT	Manchester City Council
PROJECT	Our Town Hall
DRAWING TITLE	Princess Street extension smoke vent details
SIZE & SCALE	A1: As indicated
DRAWING STATUS	S4 - Construction

JOB NUMBER **236959**

DRAWING NO. REV

OTH-PUR-TH-RF-DWG-A-7423 01

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