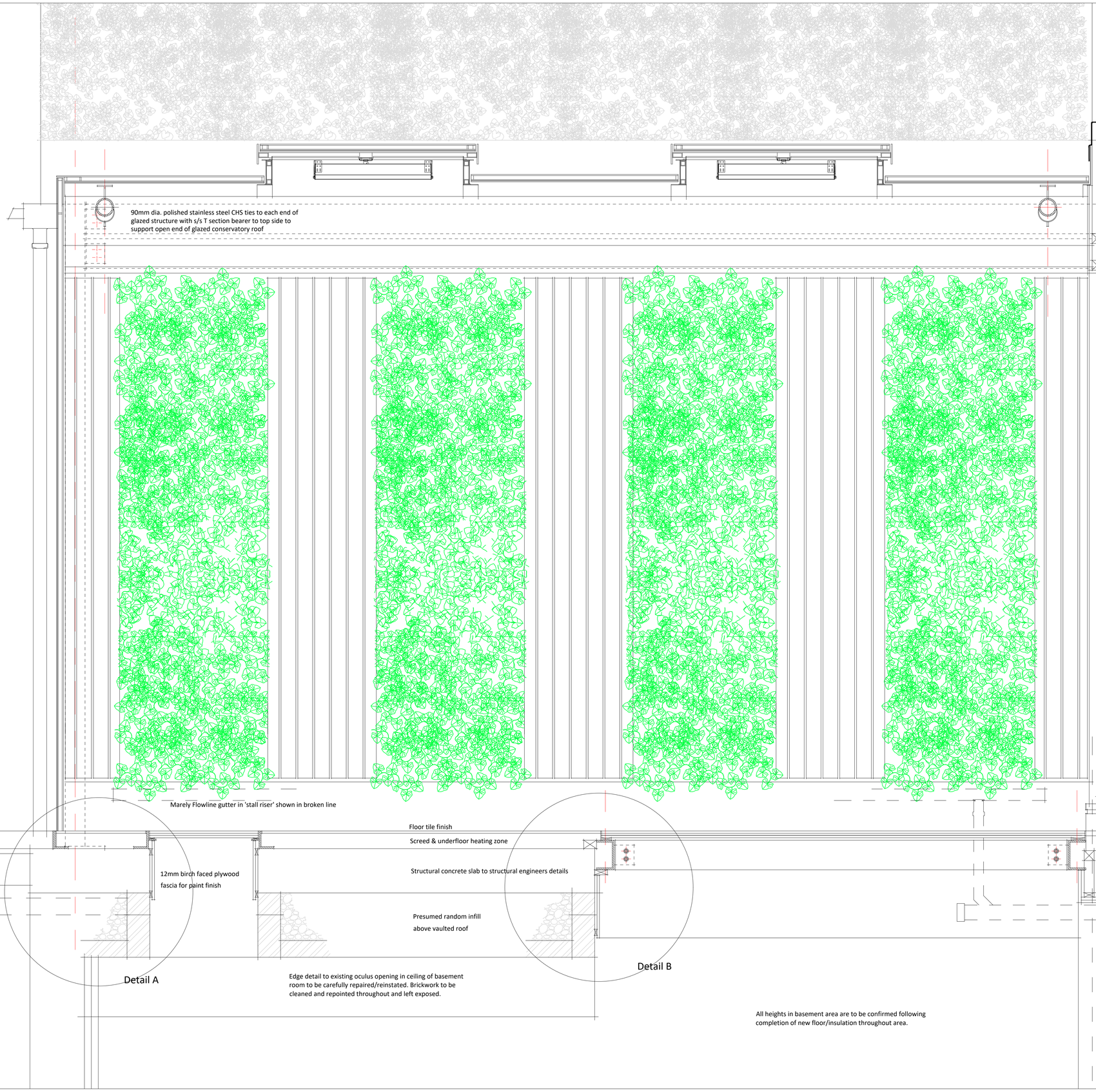


Detail Long Section/Elevation to Green Wall. (scale 1 to 10)

Artificial Green Wall to consist lightweight artificial green mat will be fixed to a wire grid support structure mounted on aluminum C or Z sections to structural engineers details. This will be fixed through the existing Trespa cladding of the party wall into the supporting timber framework (50 x 75 TSW) using the existing fixing points through the cladding panels so that no additional 'new' fixings through the cladding will be required. All fixings will be made using silicon sealant and a rubber grommet (washer) to improve water resistance at point of penetration.

New glass conservatory structure with 2 no. automatically controlled opening lights by specialist.

Code 4 stepped lead flashing to rear wall of No. 13.

Existing window opening to be reduced in height to line through with stepped eaves detail to conservatory/party wall.

Conservatory eaves beams (2 no.) built into rear wall of house (shown in broken line) . Padstone detail by structural engineer.

90mm dia. polished stainless steel CHS ties to each end of glazed structure to have SS t section bearer to top side to support open end of glazed roof. CHS ties to be inset from back wall and from glazed wall to provide space around for maintenance/cleaning.

CHS to be connected to load bearing steel at each end using expressed/faceted fin and bolt detail to emphasise separation of structural elements.

Existing Trespa panels inside proposed conservatory structure to be carefully removed and set aside for potential reuse elsewhere. Existing 50 x 75 TSW bearers/frame which supports the external Trespa panels is to be retained and used as support for new wall lining to No. 13. These are to receive 19mm marine quality plywood fully covered with breathable waterproof membrane (Tyvek HomeWrap or similar approved) to No 13 before securing fixing rails for green wall cassette units. Hyvert polypropylene green wall cassette units are to be hung on fixing rails in sections with oiled hardwood cladding between living wall sections. Breathable membrane is to be continuous behind green wall cassettes and vertical cladding with all joints lapped and fully sealed.

New 'conservatory' supporting structure is to consist of single cranked 'goalpost' frames (100 x 100 x 6.3 SHS) with steel channel cross beams (150 x 90 PFC) to structural engineers details. Proprietary glazing system to form roof and rear wall to be by specialist.

Green wall is to be irrigated/fed through automatic electronic irrigation controls and is to discharge into Marley Flowline black upvc gutter concealed in 'stall riser'. Gutter is to sit in 19mm marine quality plywood lined box, built off 38 x 38 TSW box frame. External face of plywood is to be 250mm high and is to be faced in polished stainless steel laminated to plywood backing. Gutter is to be provided with standard 38mm shower/bath outlet at end nearest back wall of house. Outlet is to incorporate trap and discharge via vertical 38mm upvc pipe into 50mm connection in basement. Basement connection is to run at high level against the back wall of the house to the vertical SVP between the kitchen and conservatory.

Marely Flowline gutter shown in broken line with 38mm outlet with trap and pipework to 50mm connection pipe to svp in rear room of basement.

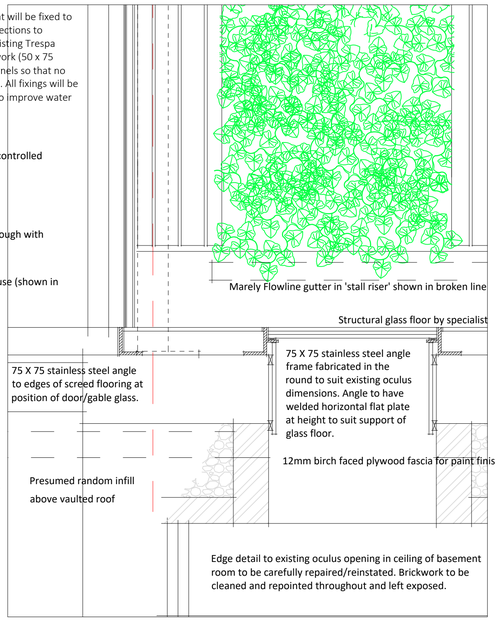
Polished stainless steel facing to 'stall riser' front.

Finished Floor Level 34.525

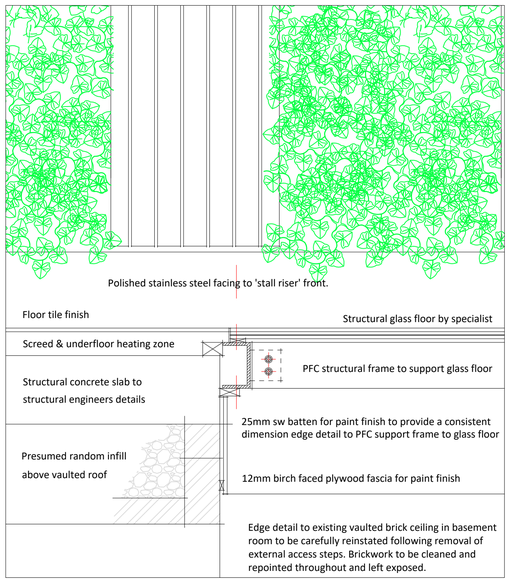
Finished Floor Level 34.500

Existing opening in basement to rear yard stairs to be retained and to have 2 no. new support beams to strcutural engineers details. Beams are to be set as high as possible subject to height restrictions in basement area but not less than 2000mm clear opening.

All heights in basement area are to be confirmed following completion of new floor/insulation throughout area.



Detail A: Glass floor to existing oculus to basement (scale 1 to 10)



Detail B: Edge detail of glass floor to basement (scale 1 to 10)

Rev	Date	Int	Description

btp ARCHITECTS — RIBA Chartered Practice

Client:
Nilesh Bhatt

Project:
13 St John Street, Manchester

Description:
Plan/Section Details thru Green Wall & cladding sections.

Purpose of Issue:
Party Wall Condition

Drawn By:	Checked by:	Date:	Scale @ A1:
AP		04/09/20	As indicated

Job No:	Status Code:	Drawing No:	Rev:
3521	S3	258	

File Identifier:
SJ-BTP-00-S-DR-A-3521_258

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Preliminary for Comments