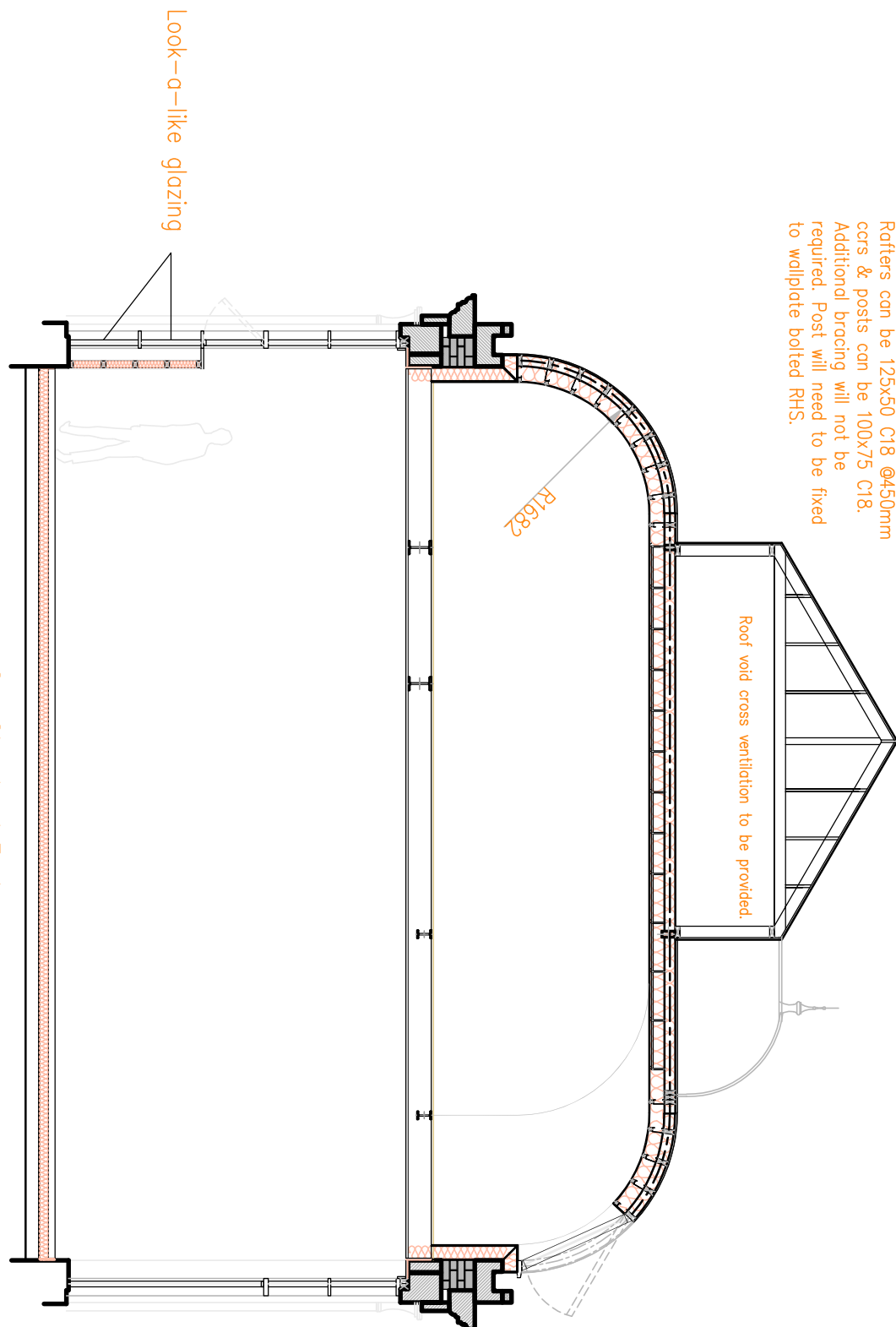
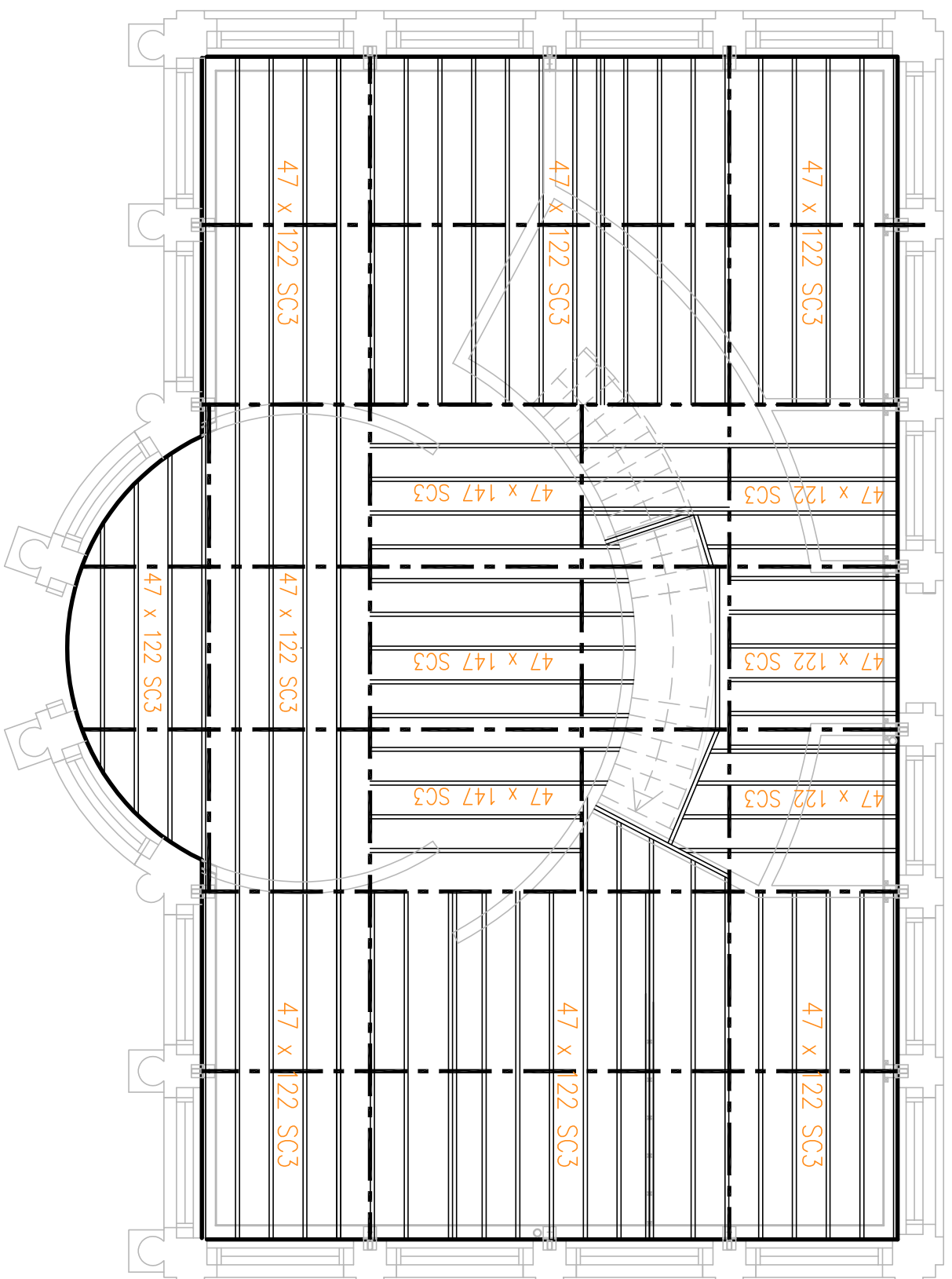
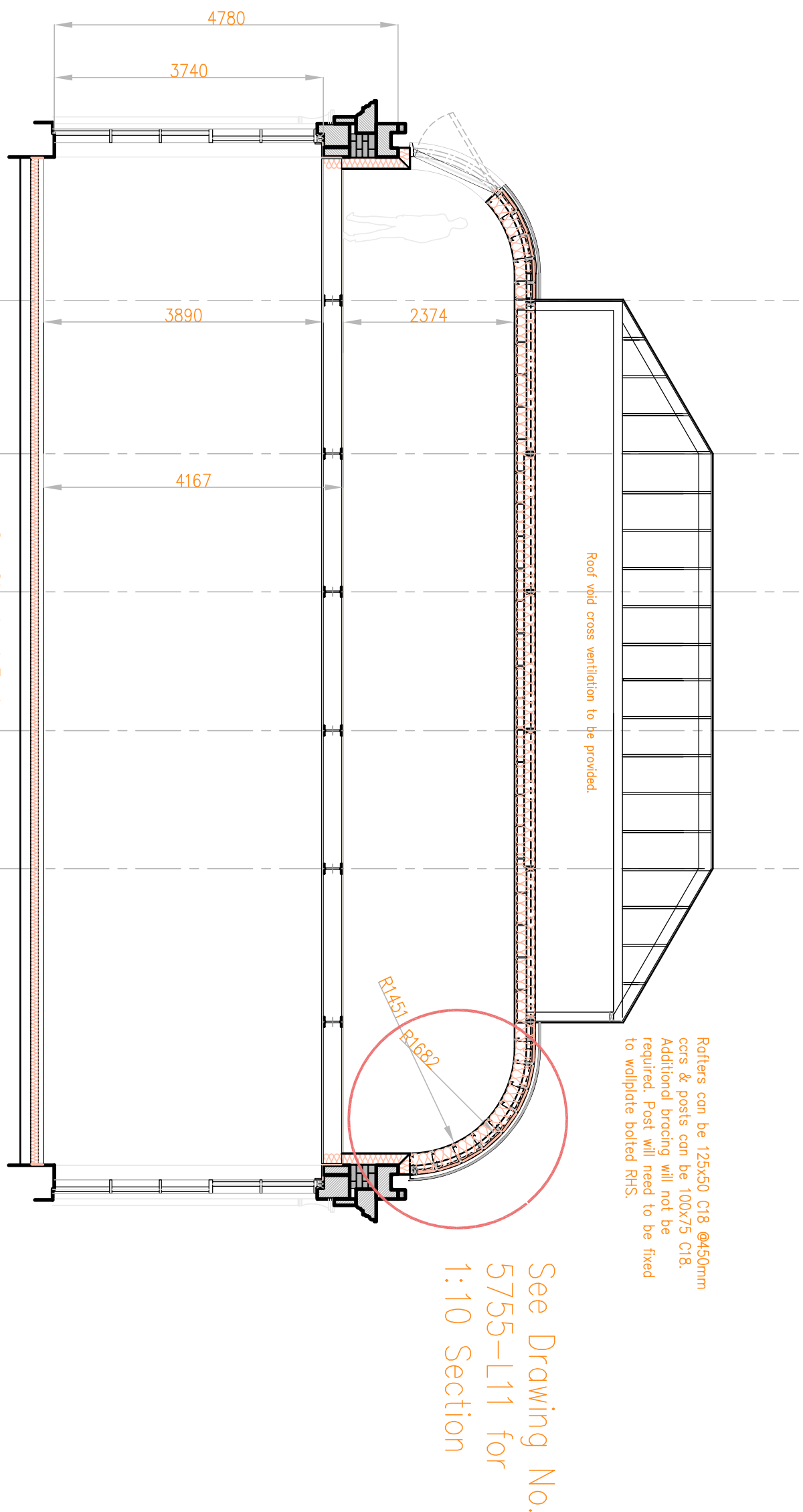
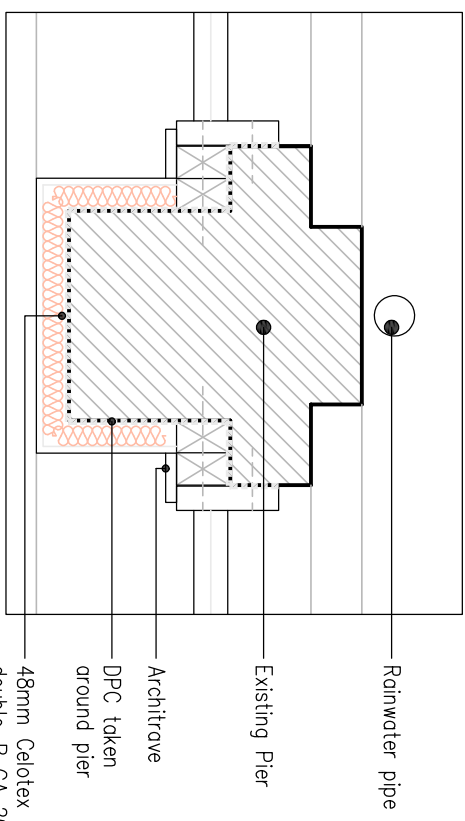
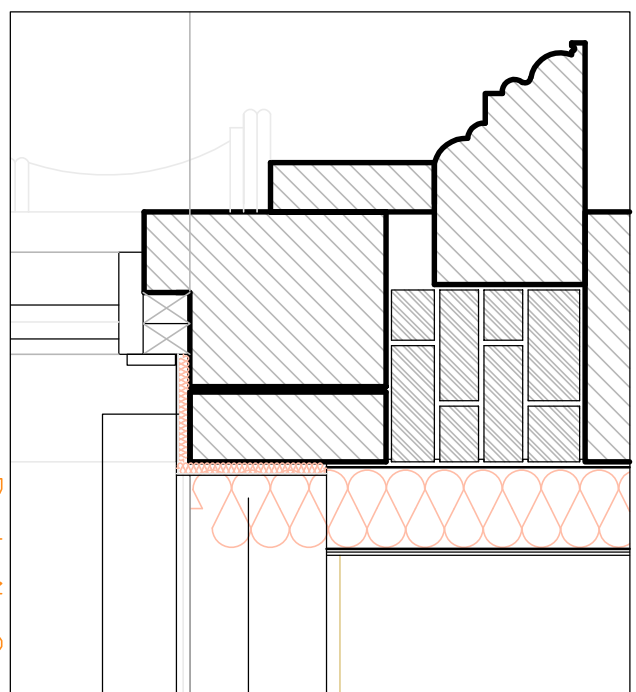




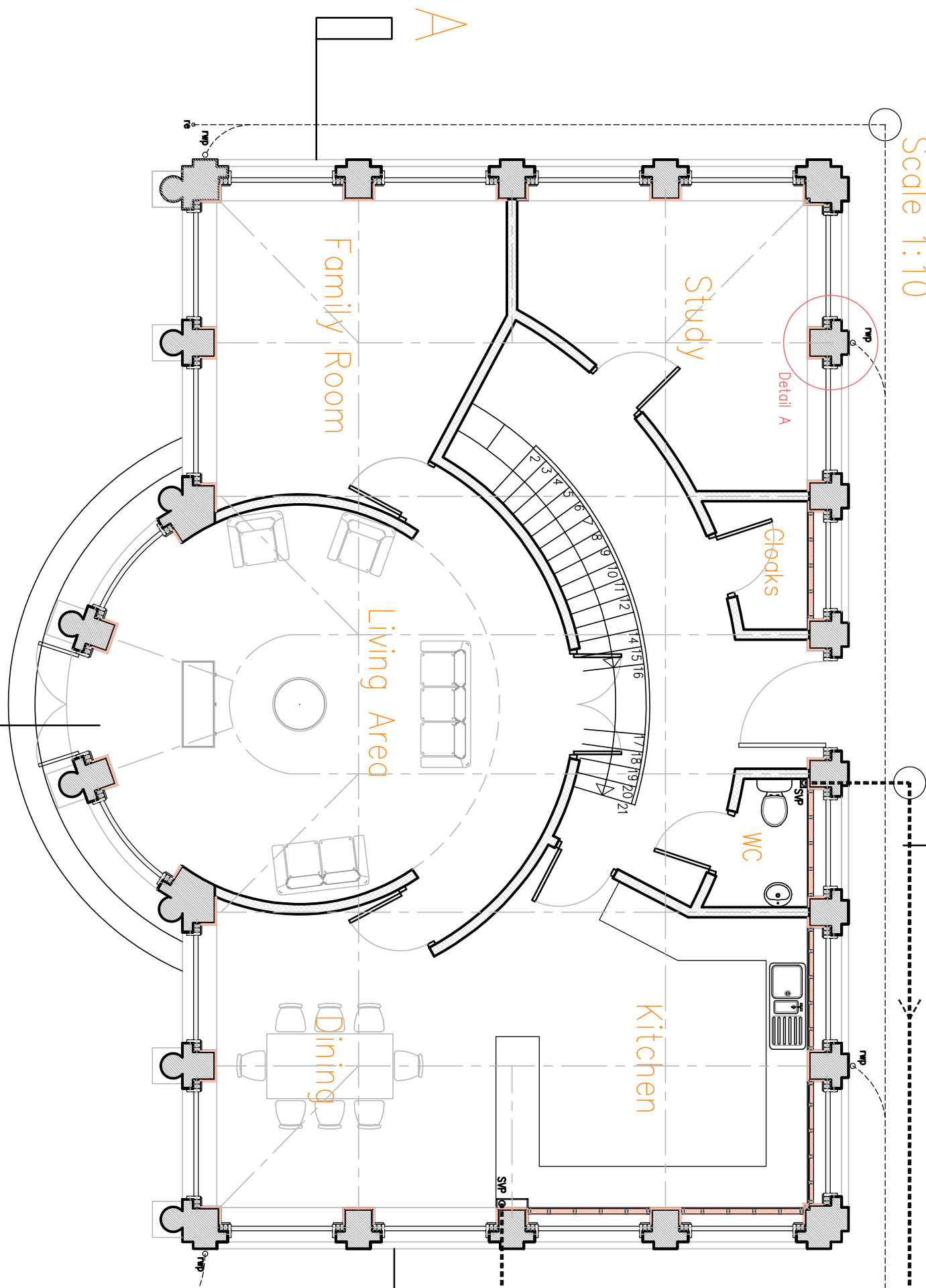
See Structural Engineers drawings for floor details



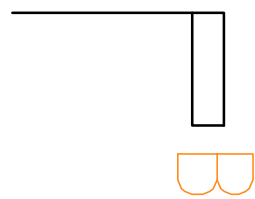
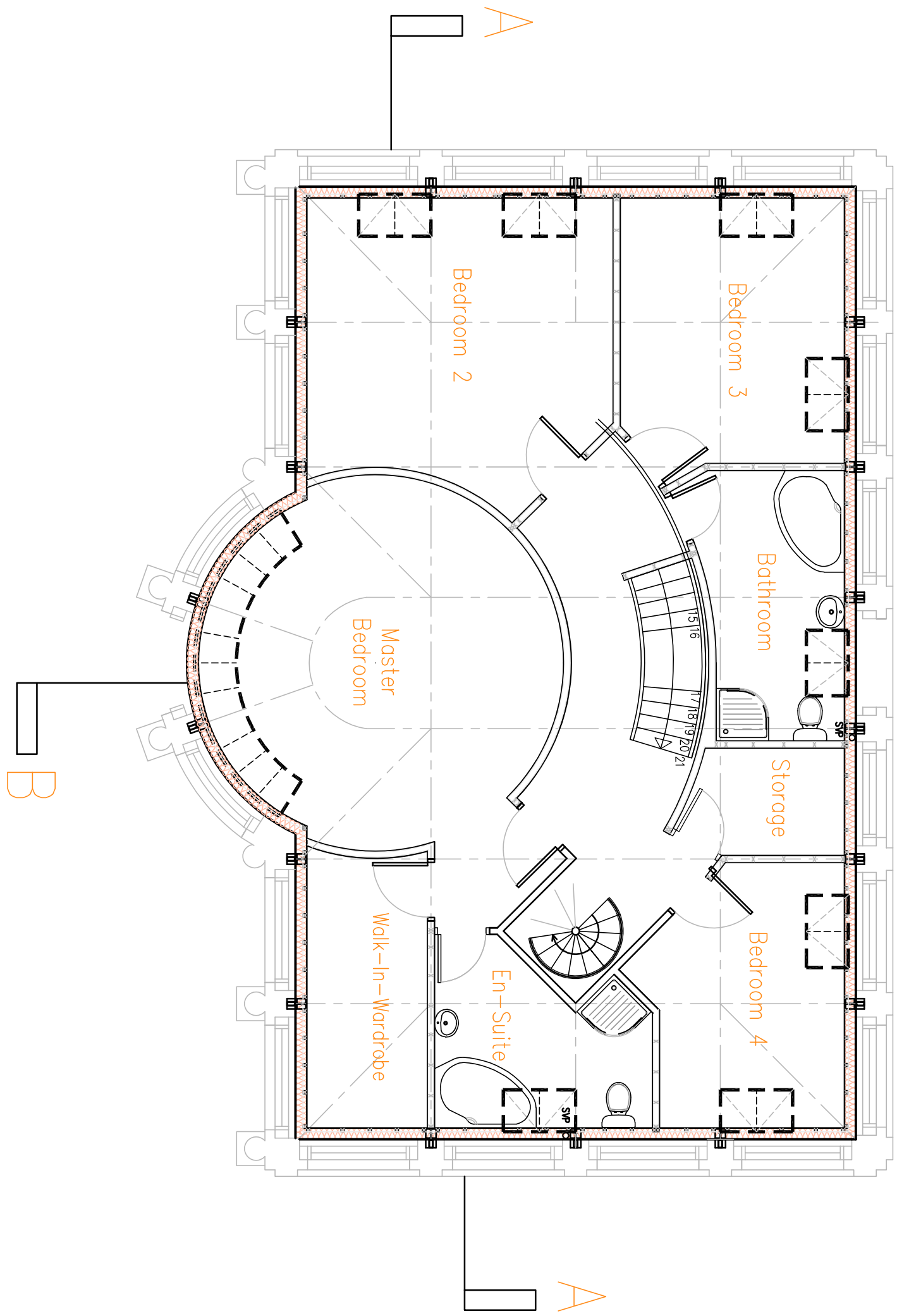
Detail A
Scale 1:10
similar approved with
plasterboard internally



- Ensure insulation continues along inside face of existing blockwork
- Apply insulation to underside of ceiling soffit to ensure no cold bridging



Scale 1:10



Rafters can be 125x50 C18 @450mm c/c's & posts can be 100x75 C18. Additional bracing will not be required. Post will need to be fixed to wallplate bolted RHS.

General Construction Notes :-

At issue was the extent of the trial submission to local fishing control officers. The court found that the evidence was inconsistent and that the fishing control officers had varying levels of knowledge of the relevant legislation. The court found that the evidence was inconsistent and that the fishing control officers had varying levels of knowledge of the relevant legislation. The court found that the evidence was inconsistent and that the fishing control officers had varying levels of knowledge of the relevant legislation.

See Structural Engineer's drawings for all steelwork details & calculations

Health & Safety Notes :-

Contractor must ensure that all work on site is carried out in a safe & satisfactory manner, in accordance with Health & Safety Act 1974, COSHH Regulations 1988 & requirements of CDM Regulations 1994.

Nobody should be exposed to any potential risk that could harm or injure persons & Contractor should take steps to avoid any such risk situations from occurring.

All site staff must wear suitable protective clothing, ie. hard hats, boots, gloves, etc.

All work of height must be carried out safely using scaffolding correctly erected by a competent person.

Scaffolding must be suitably braced, regularly maintained, checked & safety dismantled when no longer required.

Work on site is to be carried out in full compliance with Construction (Working Places) Regulations 1966.

[illegible]

Drainage :-

[illegible]

Well Construction :-

Use 48mm Celotex double-B G2048 board, or similar approved, fixed to piers internally with plasterboard fixed through insulation to piers to achieve U-Value of min. 0.35 W/m²K.

Internal Ground Floor loadbearing walls to be 100mm thick lightweight concrete blocks to Engineers specification.

double-R GA2000, or similar approved, to achieve min. U-Value of 0.2 W/m²K.

All First Floor walls to be non loadbearing stud partition walls packed with insulation.

Doors, Windows & Ventilation :-

[illegible]

ROOF CONSTRUCTION :-

To achieve min. 0.2 W/m²K : U-Value however may be upgraded to compensate for heat loss through windows...

Roof structure to be designed by structural engineer.

All loose timber sizes to be calculated & specified by structural engineer

See drawing No. 5755-L11 for sectional buildup.

Following shop preparation on structural engineers' drawings (e.g., to achieve uniform drying of timber pultrus to standard engineers' tolerances and secured between curved steelwork sections as per drawing No. 5753-111), breather membrane to be applied between raft or timber pultrus as indicated on drawing L11. Curved roof to be lined internally with Gyproc Mulbord, or similar approved, to achieve the required radius, with a vapour control layer (resistance greater than 200 Ns/g), applied between the post-tension and insulation. Insulation to be 35mm rigid insulation fixed between timber pultrus with loose fill insulation topped between rigid insulation and internal post-tension to achieve the required U-Value.

FLASHINGS & VALLEY GUTTERS.

Milled sheet lead to BS 1178 to the sizes recommended in BS 6915

Copper clip to be cut from min 0.6 mm sheet to BS 2870 hard temper.
Stainless steel clips to be cut from strip to BS 1449 (grades as BS 6915), min 375 mm thickness, min 50 mm wide.
Copper nail or 15mm centring in 2 rows staggered to BS 1202. Part 2, Table 2
Jagged shank min 20 mm long with large flat heads. Screws to be brass or stainless steel to BS 1210.
Cool blocks with blurren any lead in place unventilated contact with concrete, mortar or other oxidine materials to B.S. 3416 type 1.

Heating :-

Oil fired Combi condensing boiler with min. 90% efficiency with suitable energy efficient heating controls.
Entire heating installation must be fitted by a suitably qualified installer. Manufacturer installation instructions must be followed with service & maintenance instructions kept safe for building owner to follow once building is in use.
Radiators to be fitted with thermostatic radiator valves.

Electric Installation :-

Fire Safety :-
All electrical installations must be carried out by an N.I.C.E.I.C. Approved Contractor who must work to current I.E.E. Wiring Regulations.

Mens operadi, set contained, interconnected smoke alarms to be installed, to comply with section 1 of Building Regulations part B, in positions indicated on plan.

Alarms must be on a separate fused circuit & positioned within 3m of bedrooms & 7m of any other room in which a fire is likely to start.

Staircase construction

New staircases to be constructed of timber. Minimum 2.0m to be 900mm wide with a horizontal 900mm above pitch line and minimum 2.0m headroom measured with overhang from nosings.

Pitch of staircases must not exceed 42°.

225mm tapered treads with 21 no. equal 198.03mm treads – note dimensions to be confirmed on site prior to manufacture of stair with accurate floor to floor measurement.

Balustrades are to be provided round stairways 900mm high with balusters at 100mm centres and capable of withstanding a horizontally applied force of 0.38kN/m.

Orangerie, Woodfold Park, Mellor

Proposed Plans & Section

LMcB

5755-107

1:50 A

Xref X:ca1.DWG