



- Current drainage layout to be adapted for new rainwater goods.
- Subject to planning approval

Scope of works - Roof

General Note:
 Design intent for the supporting structure, follows the general principals set out in ARUP drawing: HSBCCM-ARP-XX-40-DR-M-154801.

- R.01 The roof canopy system over the new dry air coolers, are formed using using standard clear rigid polycarbonate sheets and powder coated aluminium glazing bars. The support posts are universal hot dipped columns with welded tapered vertical flanges, the roof sections are from SHS and the canopy stop ends formed using PFC's. See drawing 'A(02)20' for structural layout. All structural elements sizing & bracing/haunches to be confirmed by the S.E.
- R.02 Aluminium rainwater goods fixed to the eaves steelwork. All proposed steelwork to have a hot dip galvanised anti corrosion pre-finish treatment.
- R.03 Access gantry open mesh "Elephant" type floor as S.E's details, galvanised steel handrail guarding to the perimeter of the plant deck and access steps to British Standards. The access floor is to be inset with 1000 x 1500mm 15 x 30mm Mesh/25 x 2mm Elefant galvanised steel grating panels or similar approved system.
- R.04 Telescopic folding guardrail system with a fixing system that can be integrated with the existing gantry rail.
- R.05 Two new Dry Air Chillers to replace existing plantroom equipment .Final specification to be confirmed by ARUP/specialist subcontractor.
- R.06 Existing electrical trays to be retained
- R.07 Proposed 862mm wide galvanised steel step-over system, with nominal 220mm riser and 250mm going to comply with British standards.
- R.08 4 x 250mm Ø pipes with insulated outer.
- R.09 Galvanised pipe support frames @ max 5m ctrs. fixed to existing roof slab. The support frames are to be weatherproofed and insulated to avoid cold bridging, and lapped to existing Single Ply Elastomeric Membrane. All applications be in accordance with the manufacturers recommendations.
- R.10 Pipe support clamps over the SHS frame.
- R.11 New weatherproof enclosure to be constructed over the existing riser top. See sketch detail on 'A(47)01' for general principles.
- R.12 Alter existing louvered cowls to provide weathering to new pipes.

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Talbot Chambers 2-6 North Church Street Sheffield S1 2DH
 tel: +44(0)114 2490944 fax: +44(0)114 2490966 www.axis-architecture.com

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New Chiller Pipework
 Proposed Roof Plan (Final)

A1 Scale	A3 Scale	Date	Drawn By	RIBA
1:200	1:400	26.04.2024	LJR	Chartered
Project Number	Drawing Number	Revision		
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