

SOUTH WING

2182.33E

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL THE RELEVANT CIVIL, STRUCTURAL, ARCHITECTURAL AND M&E DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. USE WRITTEN DIMENSIONS ONLY. ANY DISCREPANCIES SHALL BE REPORTED TO W&A FOR CLARIFICATION.
- ANY GRID LINES, BUILDING LINES, ETC., ARE TO BE SET-OUT IN ACCORDANCE WITH THE RELEVANT ARCHITECT'S DRAWINGS.
- DIMENSIONS NOTED THUS: * ARE TO BE CONFIRMED ON SITE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE TO BE CONFIRMED ON SITE BY CONTRACTOR BEFORE COMMENCEMENT OF WORKS. ANY DEVIATIONS FOUND ARE TO BE REPORTED TO THE ENGINEER.
- ALL DIMENSIONS TAKEN FROM EXISTING STRUCTURE ARE TO BE CHECKED PRIOR TO WORK COMMENCING.

STEELWORK NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL THE RELEVANT CIVIL, STRUCTURAL, ARCHITECTURAL AND M&E DRAWINGS AND SPECIFICATION.
- ALL STRUCTURAL STEELWORK AND WORKMANSHIP TO BE *IN ACCORDANCE WITH BS 5950.
- ALL STRUCTURAL STEELWORK TO BE GRADE S275 JO TO *BS EN 10 025 UNLESS NOTED OTHERWISE.
- ALL BOLTS TO BE GRADE 8.8 TO BS 4190 UNLESS NOTED OTHERWISE.
- ALL HOLE DIAMETERS FOR ORDINARY BOLTS SHALL BE 2mm GREATER THAN THE BOLT DIAMETER.
- ALL CONNECTIONS TO BE DESIGNED BASED ON PROVIDED DESIGN FORCES BUT NOT LESS THAN 4 No. M16 GRADE 8.8 BOLTS U.N.O.
- MINIMUM PLATE THICKNESS TO BE 10mm UNLESS NOTED OTHERWISE.
- ALL STEELWORK CONNECTIONS SHALL BE CONTRACTOR DESIGNED.
- ALL WELDS TO BE A MINIMUM OF 6mm FILLET WELDS ALL ROUND UNLESS NOTED OTHERWISE.
- ALL WELDING TO BE IN ACCORDANCE WITH BS-EN 1101-1. ALL RELEVANT INSPECTIONS TO BE CARRIED OUT AT CONTRACTORS COST.
- ALL EXPOSED STEELWORK TO BE HOT DIP GALVANISED POST FABRICATION.
- ALL STRUCTURAL STEELWORK TO COMPLY WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION. ALL EXPOSED INTERNAL STEELWORK SHALL BE SITE PAINTED WITH FINISHING COATS BY MAIN CONTRACTOR IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS. WHERE AN INTUMESCENT PAINT IS REQUIRED, COMPATIBILITY OF THE PRIMER BY THE FABRICATOR SHALL BE AGREED BETWEEN THE ARCHITECT AND THE FABRICATOR.
- THE STEELWORK CONTRACTOR SHALL BE RESPONSIBLE FOR STABILITY OF THE STRUCTURE DURING ALL STAGES OF ERECTION.
- ANY FIRE PROTECTION TO STEELWORK TO BE TO ARCHITECT'S SPECIFICATION.

E	30/06/2023	SETTING OUT INFORMATION ADDED.	SG
D	06/06/2023	CONNECTION DETAIL LOCATIONS ADDED.	SG
C	14/04/2023	STEEL PLATE ADDED TO UNDERSIDE OF CHILLER. STAIR ADDED.	SG
B	31/03/2023	SUPPORTING STEELWORK UNDER CHILLER REVISED.	SG
A	24/03/2023	CONSTRUCTION ISSUE.	SG

Rev: Date: Description: Initials:

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Client: **ROYAL FREE LONDON NHS FOUNDATION TRUST**

Project:

ITU CHILLERS UPGRADE

Drawing Title: **ALTERATIONS TO EXISTING PLATFORM FOR CHILLER REPLACEMENT ON SOUTH WING**

Scales: 1:25 @ A1 UOS

Originated: SG Date: MAR 2023

Checked: --- Date: MAR 2023

Drawing Number: **22-2353-ST-002**

Revisions: E Status: CONSTRUCTION

AHU SUPPLY

NEW STEEL STAIR WITH 157mm RISE AND 250mm GOING WITH 200x10mm THICK STRINGER PLATES.

NEW 203x133 UB 30 BEAM FIXED TO END OF EXISTING 203x133 UB 30 BEAM UTILISING EXISTING END PLATE AND BOLT POSITIONS.

SHIM EXISTING BEAM OFF EXISTING CONCRETE WALL BELOW.

PLAN AT ROOF LEVEL

NEW 203x133 UB 30 BEAM FIXED TO END OF EXISTING 203x133 UB 30 BEAM UTILISING EXISTING END PLATE AND BOLT POSITIONS.

NEW 150x90 PFC POST WITH 600x600x20mm THICK SPREADER PLATE WELDED TO BOTTOM. POST POSITIONED OVER EXISTING CONCRETE WALL BELOW.

NEW 203 UC46 BEAM FIXED TO END OF EXISTING 203 UC 46 BEAM UTILISING EXISTING END PLATE AND BOLT POSITIONS.

NEW 150x90 PFC POST WITH 600x600x20mm THICK SPREADER PLATE WELDED TO BOTTOM.

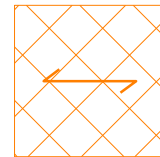
RELOCATE EXISTING STAIR AND SUPPORT FROM EXISTING FRAMING BELOW.

NEW 150x90 PFC POST WITH 600x600x20mm THICK SPREADER PLATE WELDED TO BOTTOM.

ALL NEW STEELWORK IS TO BE GALVANIZED POST FABRICATION.

** - DENOTES DIMENSIONS OF EXISTING FRAME TO BE VERIFIED ON SITE.

DRAWING KEY



DENOTES SPAN DIRECTION AND AREA OF NEW GALVANISED MESH FLOORING TO MATCH EXISTING.

NEW STEELWORK IS SHOWN IN BLUE

EXISTING STEELWORK IS SHOWN IN MAGENTA

DENOTES 1.1m HIGH HANDRAIL WITH 20mm WIDE GALVANISED WELD MESH TO MATCH EXISTING.



DENOTES CONNECTION DETAIL TYPE. REFER TO DRAWINGS 22-2353-ST-015 & 22-2353-ST-016 FOR CONNECTION DETAILS.