



NOTES

1. NO DIMENSIONS TO BE SCALED FROM THIS DRAWING.
2. THIS DRAWING TO BE READ WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS.
3. ALL STRUCTURAL STEELWORK TO BE GRADE S275 TO EN 10025 UNLESS OTHERWISE STATED.
4. ALL BOLTS TO BE 8.8 GRADE BLACK BOLTS IN 2 mm CLEARANCE HOLES UNLESS OTHERWISE STATED.
5. ALL BRICKWORK TO BE MINIMUM 21 N/mm² IN NHL 3.5 MORTAR UNLESS OTHERWISE STATED.
6. ALL STEELWORK TO BE GALVANISED AND PAINTED IN ACCORDANCE WITH THE SPECIFICATION.
7. ALL SETTING OUT AND SITE DIMENSIONS TO BE THE RESPONSIBILITY OF THE CONTRACTOR. DESIGN AND INSTALLATION OF TEMPORARY WORKS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. ALL NEW STRUCTURAL TIMBER TO BE C24 SAWN TREATED SOFTWOOD UNLESS OTHERWISE STATED.
9. ALL STAINLESS STEEL TO BE GRADE 316 AUSTENITIC UNLESS OTHERWISE STATED.
10. ALL CLIENTS' STAFF, CONSULTANTS, AND CONTRACTORS MUST COMPLY WITH ALL CURRENT HEALTH AND SAFETY LEGISLATION INCLUDING:
 - a. CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015
 - b. HEALTH & SAFETY AT WORK ACT 1974
 - AND ALL OTHER RELEVANT LEGISLATION
11. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT HEALTH AND SAFETY FILE AND METHOD STATEMENTS.
12. ALL WORK ELEMENTS TO BE CARRIED OUT USING APPROPRIATE TOOLS, METHODS, MATERIALS AND TECHNIQUES.
13. HOLES IN EXISTING MASONRY TO BE DRILLED WITH NON-PERCUSSIVE DIAMOND TIPPED DRILLS USING THE MINIMUM WATER POSSIBLE FOR LUBRICATION.
14. STRUCTURAL FIXINGS TO EXISTING MASONRY TO BE WITH FISCHER FIS V EPOXY MORTAR UNLESS OTHERWISE STATED.
15. ALL WORK TO SENSITIVE HISTORIC FABRIC TO BE CARRIED OUT BY SUITABLY EXPERIENCED AND SKILLED PERSONNEL.
16. NO OPENING UP BEYOND THAT INDICATED ON THE DRAWINGS TO BE CARRIED OUT WITH OUT PRIOR PERMISSION.
17. THE DRAWINGS AND DETAILS ARE PREPARED USING THE INFORMATION AVAILABLE AND MAY BE AT VARIANCE WITH HIDDEN HISTORIC FABRIC. REPORT ANY VARIATIONS OR DIFFERENCES FOUND DURING THE WORK TO THE ARCHITECT AND ENGINEER.
18. CONCRETE TO BE RC35 UNLESS OTHERWISE STATED.
19. REINFORCEMENT TO BE HIGH YIELD TYPE II BARS UNLESS OTHERWISE STATED.
20. ALL NEW MASONRY TO BE FULLY BRICK BOND TO EXISTING UNLESS OTHERWISE STATED.
21. ALL WELDS TO BE 6 mm CONTINUOUS FILLET WELDS UNLESS OTHERWISE STATED.
22. ALL SCAFFOLD TO COMPLY WITH NASC TG20:21 WITH NO SEASONAL OR STATISTICAL REDUCTIONS TO WIND LOAD.
23. ALL CONNECTIONS TO BE DESIGNED AND DETAILED BY THE CONTRACTOR UNLESS STATED OTHERWISE.

GROUND FLOOR PLAN
1:100

SERVICE PENETRATIONS.
REFER TO DRAWING 21996 PR 03 FOR DETAILS AND HARLEY HADDOW DRAWINGS FOR SIZES AND EXACT LOCATIONS.

M&E EQUIPMENT FIXED TO MASONRY VAULT WITH FISCHER STAINLESS STEEL THREADED SOCKETS IN FISCHER FIS-V TO RECEIVE 8 mm DIAMETER BOLTS. HOLES DRILLED WITH NON PERCUSSIVE DIAMOND TIPPED DRILL.

200 mm DIAMETER CORE DRILLED HOLE TO RECEIVE SVP. REFER TO DRAWING 21996 PR 3 F3

REFER TO DRAWING 21996 1 04 FOR RAMP DETAILS

200 mm DIAMETER CORE DRILLED HOLE TO RECEIVE SVP. DETAILS TO BE AGREED ON SITE.

SERVICE PENETRATION. REFER TO DRAWING 21996 PR 03 FOR DETAILS AND HARLEY HADDOW DRAWINGS FOR SIZES AND EXACT LOCATIONS.

200 x 90 PFC TO SUPPORT SUSPENDED FOLDING PARTITION WITH 100x100x10 SHS POSTS EACH END. POSTS CONNECTED TO EXISTING ROOF STEELWORK WITH 100x50 PFC TIE BEAMS BOTH ENDS.

SERVICE UNITS SECURED TO EXISTING CEILING JOISTS SUBJECT TO INSPECTION. ALLOW FOR ADDITIONAL 175 x 75 C24 TRIMMERS ALL ROUND SECURED WITH SIMPSON STRONGTIE E2/2.5 ANGLE BRACKETS

2 No 180 x 90 PFC BOLTED BACK TO BACK WITH 16 mm DIAMETER BOLTS AT 400 mm c/c. BEARING ON 150 x 90 PFC POSTS EITHER END. TIE BACK TO EXISTING STEELWORK TO ROOF WITH 203 x 102 UB TIES ALL BOLTED WITH 16 mm DIAMETER BOLTS

CONCRETE PLINTH CUT BACK AS REQUIRED FLUSH WITH SLAB EXPOSED CONCRETE MADE GOOD WITH Sika OR SIMILAR EPOXY REPAIR MORTAR TO PROVIDE COVER TO REINFORCEMENT.

SCREEN AND PENTICE FROM 100x100x5 SHS BOLTED TO EXISTING ROOF STRUCTURE AND GLAZED OPENING.

FRAMING TO LANTERN FROM 150 x 90 PFC ON 70 x 70 x 5 SHS POSTS SUPPORTING TIMBER ROOF AND GLAZING. NEW STRUCTURE BOLTED TO EXISTING FRAMING AGAINST THE WALL.

SUBJECT TO OPENING UP ON SITE 2 No 180 x 90 PFC ON 100 x 100 x 10 SHS POSTS TO SUPPORT EXISTING STEEL ROOM MEMBERS ALTERED TO SUIT.
MASONRY CAREFULLY CUT BACK AND 5 No BOX FRAMES FROM 152 x 152 x 30 kg UC TOP AND BOTTOM WITH 150 x 90 PFC POSTS BOLTED TO MASONRY WITH 16 mm DIAMETER BOLTS AT 450 mm c/c. INSERTED. PRECAST CONCRETE LINTEL CUTTINGS BEDDED ON BOTTOM FLANGE OF UC WITH MASONRY OVER PINNED UP WITH 1:2 OPC/SHARP SAND DRY PACK HAND DAMP AND WELL RAMMED. MASONRY MADE GOOD UPON COMPLETION.

EXISTING STEEL FRAMING AGAINST HISTORIC FABRIC REUSED.

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200 mm DIAMETER CORE DRILLED HOLE TO RECEIVE SVP. REFER TO DRAWING 21996 PR 3 F3

NEW STAIR TO ARCHITECTS DETAIL. SEE ALSO H&D DRAWING 21996 1 11.

MASONRY CAREFULLY CUT BACK AND 4 No BOX FRAMES FROM 152 x 152 x 30 kg UC TOP AND BOTTOM WITH 150 x 90 PFC POSTS BOLTED TO MASONRY WITH 16 mm DIAMETER BOLTS AT 450 mm c/c. INSERTED. PRECAST CONCRETE LINTEL CUTTINGS BEDDED ON BOTTOM FLANGE OF UC WITH MASONRY OVER PINNED UP WITH 1:2 OPC/SHARP SAND DRY PACK HAND DAMP AND WELL RAMMED. MASONRY MADE GOOD UPON COMPLETION.

LIFT SHAFT TO BE 150UC23 POSTS WITH 150 X 90 PFC TRIMMERS AT EACH LEVEL AND OPENINGS. 100 X 10 FLATS CROSS BRACING TO EACH FACE BETWEEN TRIMMERS. 203x133x25 kg UB LIFTING BEAM AT TOP OF SHAFT.

NEW FLOOR WITH 127x152 T SECTION JOISTS AT 600 mm c/c BEARING ON 200x100 PFC'S BOLTED TO WALL WITH 12mm DIAMETER S/S THREADED STUDS AT 400 mm c/c IN FISCHER FIS-V. HOLES DRILLED WITH NON PERCUSSIVE DIAMOND TIPPED DRILL. SEE DRAWING No 21996 1 09 FOR DETAILS.

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MASONRY CAREFULLY CUT BACK AND 5 No BOX FRAMES FROM 152 x 152 x 30 kg UC TOP AND BOTTOM WITH 150 x 90 PFC POSTS BOLTED TO MASONRY WITH 16 mm DIAMETER BOLTS AT 450 mm c/c. INSERTED. PRECAST CONCRETE LINTEL CUTTINGS BEDDED ON BOTTOM FLANGE OF UC WITH MASONRY OVER PINNED UP WITH 1:2 OPC/SHARP SAND DRY PACK HAND DAMP AND WELL RAMMED. MASONRY MADE GOOD UPON COMPLETION.

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STAGE 4B ISSUE

E	FLOOR ARRANGEMENT ADJACENT TO LIFT AMENDED.	02.07.2025
D	STAGE 4 B	13.06.2025
C	STAGE 4	13.04.2025

rev	description	date
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project

PERKIN REVELLER
TOWER OF LONDON

Historic Royal Palaces

drawing title

STRUCTURAL SCHEME
GROUND FLOOR
RIBA STAGE 4 B

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Drawn CJD	Checked CJD
Date April 2024	Scale As stated at A1
Job No 21996 PR	Dwg No 1 02
	Rev E