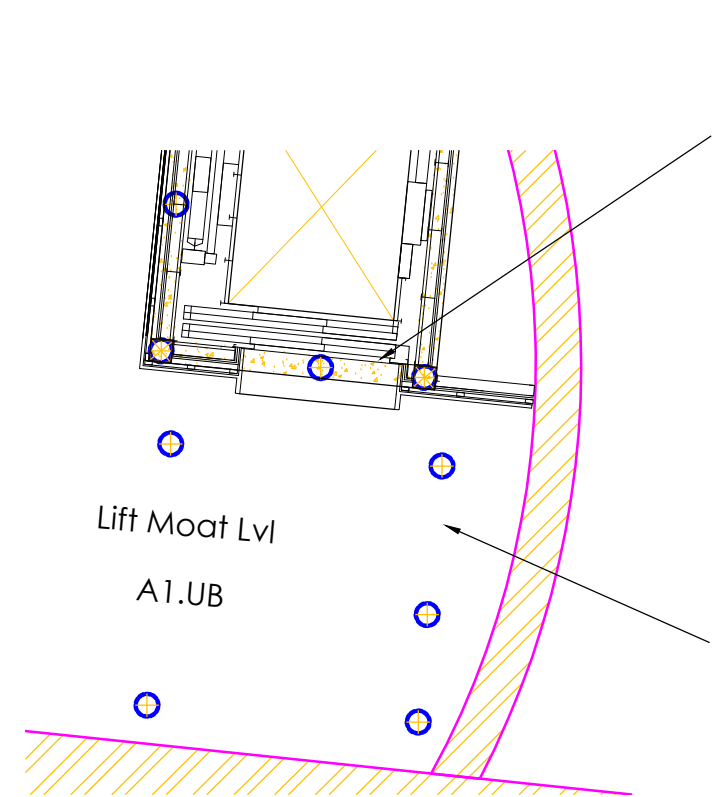


MOAT LEVEL PLAN

1:100



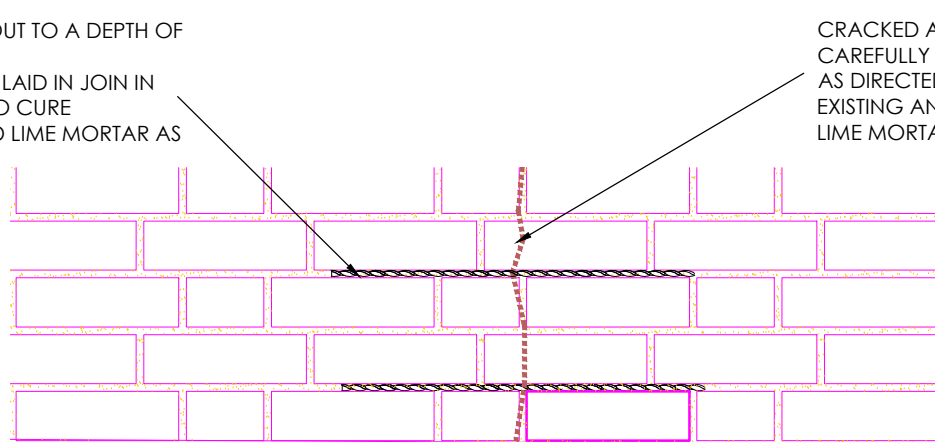
LIFT PIT

1:50

REINFORCED CONCRETE LIFT PIT AND SLAB ON STEEL SCREW PILES WITH 150 mm BLOCKWORK WALLS TO SUPPORT LIFT SHAFT FRAME AND LIFT, 150 RC35 SLAB WITH A252 MESH TOP AND BOTTOM BEARING ON MINI PILES, DPM TO ARCHITECTS DETAILS, PILES TO EXTEND INTO VIRGIN MATERIAL, STEEL FRAME TO SUPPORT FULL GUIDES AND LIFTING BEAM.

BED JOINT CAREFULLY RAKED OUT TO A DEPTH OF 40mm, THOR STAINLESS STEEL SPIRO TIE LAID IN JOIN IN FISCHER FIS-V AND ALLOWED TO CURE JOINT REPOINTED IN APPROVED LIME MORTAR AS DIRECTED, ALLOW 40 No.

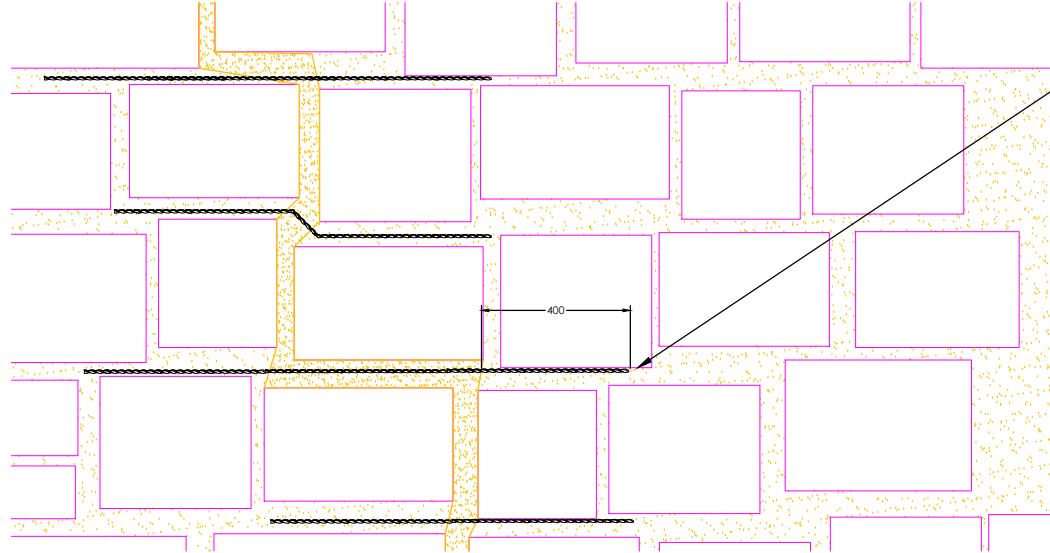
LIFT SHAFT TO BE 152x152UC23 POSTS WITH 150 x 90 PFC TRIMMERS AT EACH LEVEL AND OPENINGS, 100 x 10 FLATS CROSS BRACING TO EACH FACE BETWEEN TRIMMERS, POSTS TO HAVE 150 x 150 x 10 BASE PLATES BOLTED TO CONCRETE LIFT PIT WITH 4 No 12 mm HD BOLTS.



TYPICAL BRICK STITCHING DETAIL

1:10

CRACKED AND DEFECTIVE BRICKS CAREFULLY CUT OUT AND REPLACED AS DIRECTED, NEW BRICKS TO MATCH EXISTING AND BE LAID IN APPROVED LIME MORTAR.



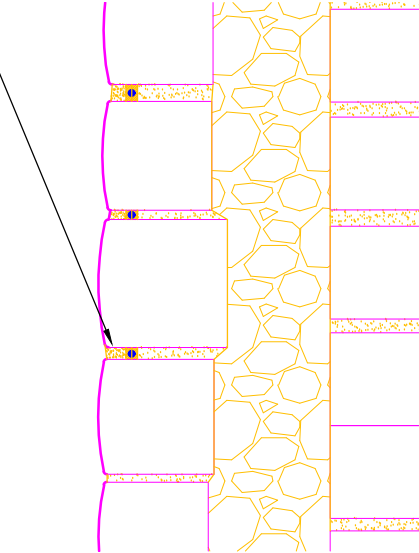
TYPICAL MASONRY STITCHING DETAIL

1:20

6 mm DIAMETER THOR STAINLESS STEEL SPIRO TIE IN FISCHER FIS V EPOXY MORTAR, CAREFULLY CUT BACK BED JOINT TO A DEPTH OF 70 mm AND BLOW CLEAN, INSERT FISCHER FIS V TO GIVE MINIMUM 10 mm BED AND SURROUND, INSTALL SPIRO TIE FULLY BEDDED IN EPOXY MORTAR, ALLOW TO CURE, REPOINT TO ARCHITECTS DETAIL.

SUBJECT TO INSPECTION ON SITE TIES AT EVERY BED JOINT FOR LENGTH OF CRACK AND JOINT ABOVE AND BELOW CRACK.

ALLOW 60 No.



TYPICAL STITCHING DETAIL SECTION

1:20

STORAGE AREAS TO HAVE 150 mm RC35 SLAB WITH 2 LAYERS A252 MESH LAID ON DPM TO ARCHITECTS DETAILS ON 100 mm SAND BLINDING.

150 RC35 SLAB WITH A252 MESH TOP AND BOTTOM BEARING ON MINI PILES TO SUPPORT NEW STAIR TO ARCHITECTS DETAILS.

REFER TO H&D DRAWING 21996 1 1.

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 UNTEL 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.

REINFORCED CONCRETE LIFT PIT AND SLAB ON STEEL SCREW PILES WITH 150 mm BLOCKWORK WALLS TO SUPPORT LIFT, STEEL FRAME TO SIDES OF SHAFT, 150 RC35 SLAB WITH A252 MESH TOP AND BOTTOM BEARING ON MINI PILES, PILES TO EXTEND INTO VIRGIN MATERIAL.

LIFT SHAFT TO BE 152UC23 POSTS WITH 150 x 90 PFC TRIMMERS AT EACH LEVEL AND OPENINGS, 100 x 10 FLATS CROSS BRACING TO EACH FACE BETWEEN TRIMMERS, POSTS TO HAVE 152 x 152 x 10 BASE PLATES BOLTED TO CONCRETE LIFT PIT WITH 4 No 12 mm HD BOLTS.

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.
8. DESIGN AND INSTALLATION OF TEMPORARY WORKS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL NEW STRUCTURAL TIMBER TO BE C24 SAWN TREATED SOFTWOOD UNLESS OTHERWISE STATED.
10. ALL STAINLESS STEEL TO BE GRADE 316 AUSTENITIC UNLESS OTHERWISE STATED.
11. ALL CLIENT 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
 - c. AND ALL OTHER RELEVANT LEGISLATION
12. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT HEALTH AND SAFETY FILE AND METHOD STATEMENTS.
13. ALL WORK ELEMENTS TO BE CARRIED OUT USING APPROPRIATE TOOLS, METHODS, MATERIALS AND TECHNIQUES.
14. HOLES IN EXISTING MASONRY TO BE DRILLED WITH NON-PERCUSSIVE DIAMOND TIPPED DRILLS USING THE MINIMUM WATER POSSIBLE FOR LUBRICATION.
15. STRUCTURAL FIXINGS TO EXISTING MASONRY TO BE WITH FISCHER FIS V EPOXY MORTAR UNLESS OTHERWISE STATED.
16. NO OPENING UP BEYOND THAT INDICATED ON THE DRAWINGS TO BE CARRIED OUT WITH OUT PRIOR PERMISSION.
17. ALL WORK TO SENSITIVE HISTORIC FABRIC TO BE CARRIED OUT BY SUITABLY EXPERIENCED AND SKILLED PERSONNEL.
18. 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.
19. CONCRETE TO BE RC35 UNLESS OTHERWISE STATED.
20. ALL NEW MASONRY TO BE FULLY BRICK BONDED 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 TG2021 WITH NO SEASONAL OR STATISTICAL REDUCTIONS TO WIND LOAD.
23. ALL CONNECTIONS TO BE DESIGNED AND DETAILED BY THE CONTRACTOR UNLESS STATED OTHERWISE.

STAGE 4B ISSUE

D	STAGE 4 B	13 06 2025
C	STAGE 4	13 04 2025

rev	description	date
-----	-------------	------

Hockley & Dawson
Consulting Engineers
Hockley & Dawson Consulting
Engineers Limited

Telephone 01483 548784
admin@hockleyanddawson.co.uk
www.hockleyanddawson.co.uk

5 Birtley Courtyard
Bramley
Surrey
GU5 0LA

project
**PERKIN REVELLER
TOWER OF LONDON**

Historic Royal Palaces

drawing title
**STRUCTURAL SCHEME
MOAT LEVEL
R I B A S T A G E 4 B** © COPYRIGHT

Drawn CJD	Checked CJD
Date April 2024	Scale As stated at A1
Job No 21996	Dwg No 1 01
	Rev D