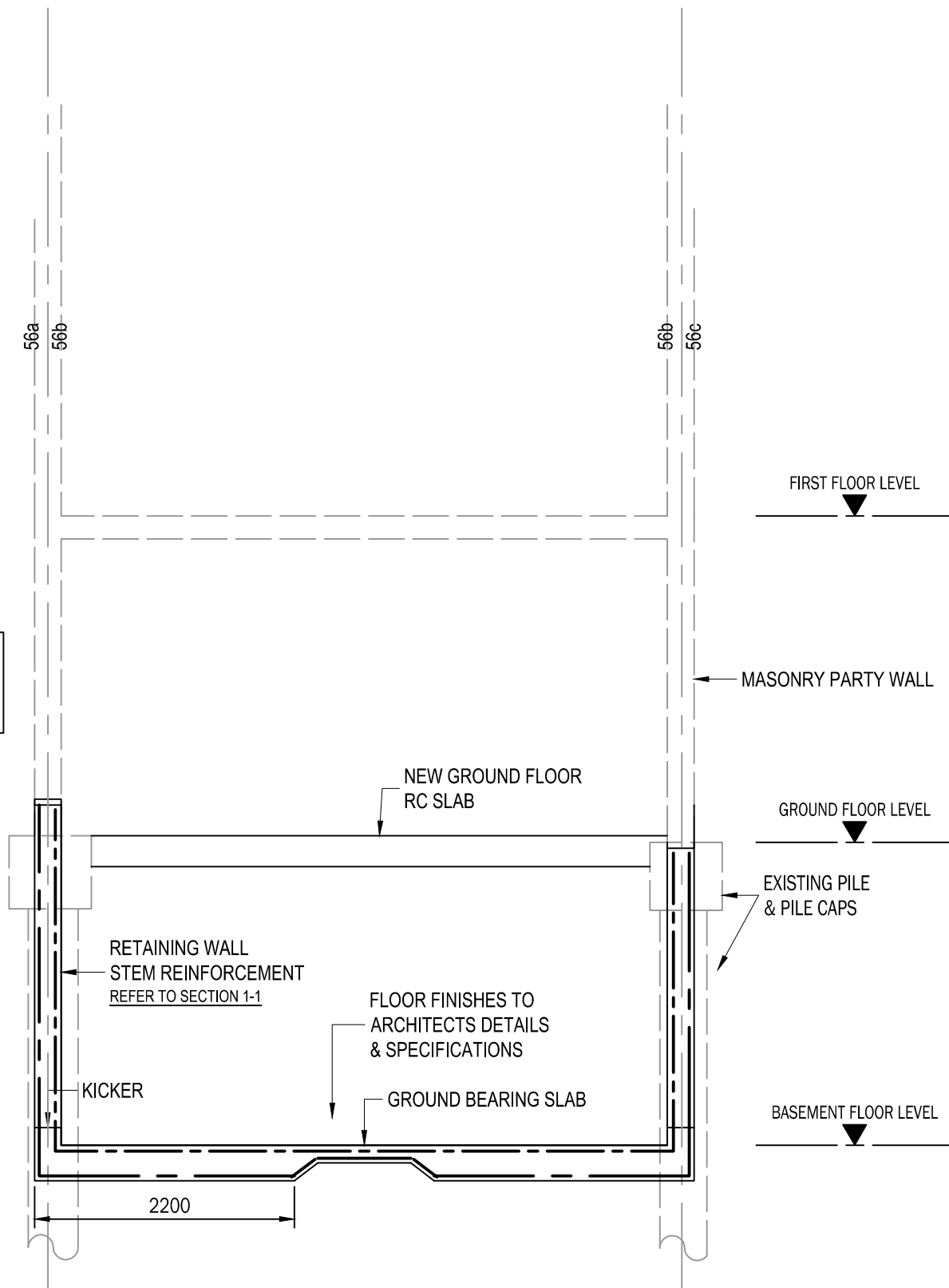


BOTH SIDES
SIMILAR



PROPOSED SECTION B-B
SCALE 1:50

SEQUENCE OF UNDERPINNING

1. WORKING IN STRIPS NOT EXCEEDING 1.0M LONG EXCAVATE TO REQUIRED DEPTH BENEATH EXISTING FOOTING.
2. HACK AWAY TO PROVIDE LEVEL SOFFIT TO EXISTING BRICK FOOTING AND THOROUGHLY CLEAN BEFORE UNDERPINNING.
3. CAST NEW CONCRETE BASE INCLUDING T16 STARTER BARS AND ALLOW 24 HOURS TO CURE.
4. CONSTRUCT FORMWORK FOR THE STEM.
5. CAST MASS CONCRETE STEM TO WITHIN 50mm OF SOFFIT
6. RAM IN DRY PACK MORTAR BETWEEN NEW AND EXISTING FOOTINGS.
7. NEVER EXCAVATE TWO ADJACENT STRIPS WITHOUT ALLOWING 3 DAYS FROM TIME OF DRY PACKING.
8. WHEN ADJACENT SECTIONS ARE OPENED UP THE EXPOSED CONCRETE SURFACES SHOULD BE THOROUGHLY CLEANED OF ALL LOOSE MATERIAL AND SCRABBLED TO FORM A GOOD KEY.
9. UNDERPINNING TO BE AS NOTED ON DRAWING.
10. ALL NEW CONCRETE BELOW GROUND TO BE GRADE 40.
11. DRY PACK - 3 : 1 SAND CEMENT.
12. CONTRACTOR TO CAREFULLY INSPECT ALL EXISTING MASONRY PRIOR TO UNDERPINNING EACH BAY IN SEQUENCE. REPORT ANY ANOMALIES TO ENGINEER FOR ADVICE AND REASSESSMENT OF SCHEME.
13. UNDERPINNING SECTIONS TO BE CAST IN NUMERICAL ORDER.

REINFORCED CONCRETE NOTES

1. ALL DIMENSIONS TO BE VERIFIED ON SITE.
2. READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
3. REINFORCED CONCRETE BEAM/SLAB/WALL TO BE CAST IN GRADE 35 N/mm² CONCRETE AND REINFORCED IN ACCORDANCE WITH DESIGN INFORMATION AND REINFORCEMENT SCHEDULES, PROVIDED BY THE ENGINEER - MIN CEMENT CONTENT 330 kg/m².
4. READY MIX CONCRETE MUST BE OBTAINED FROM A PLANT, WHICH HOLDS A CURRENT CERTIFICATE OF ACCREDITATION UNDER THE QUALITY SCHEME FOR READY MIX CONCRETE.
5. NO CONCRETE IS TO BE PLACED WHEN THE AMBIENT AIR TEMPERATURE IS LESS THAN 5 °C.
6. REINFORCEMENT SHALL BE: (TO BS 8110).
7. ALL MAIN BARS TO BE GRADE 460 (HIGH YIELD) NOTED 'H'. PLAIN BARS (i.e. LINKS) ALSO TO BE GRADE 460 (HIGH YIELD) UNLESS STATED OTHERWISE [IN WHICH CASE; TO BS 4449, GRADE 250 (MILD STEEL)].
8. REINFORCEMENT TO BE FIXED ADEQUATELY USING TYING WIRE OR STEEL CLIPS.
9. CONCRETE COVER TO BE MIN 35 mm COVER, UNLESS STATED OTHERWISE ON DRAWING.
10. UNLESS NOTED OTHERWISE ON DRAWINGS, ALL REINFORCEMENT IS TO BE LAPPED 40d (WHERE d IS THE DIAMETER OF THE LARGER BAR).
13. NO WORK IS TO COMMENCE ON SITE PRIOR TO BUILDING CONTROL APPROVAL OF STRUCTURAL DETAILS.
14. DRAWING TO BE READ WITH ENGINEERING SPECIFICATION (INCLUDING DIAGRAMMATICAL DETAILS) & ARCHITECTURAL SPECIFICATION.

PRELIMINARY

ISSUE	REVISION	INITIAL	DATE
<p>4 Edward Square, London N1 0SP Tel: 020 7837 5377; Fax: 020 7837 3211</p> <p>Martin Redston Associates Consulting Civil & Structural Engineers</p>			
<p>56b King Henry's Road London NW3 3RP</p>			
<p>PROPOSED SECTION B-B</p>			
Drawn: AOR	Checked: MR	15.700.04	
Scale: AS SHOWN	Date: 31.05.16		