150mm R.C. GROUND BEARING SLAB

250mm R.C. GROUND BEARING SLAB

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THICKNESS OF PARTY WALL TO BE CONFIRMED

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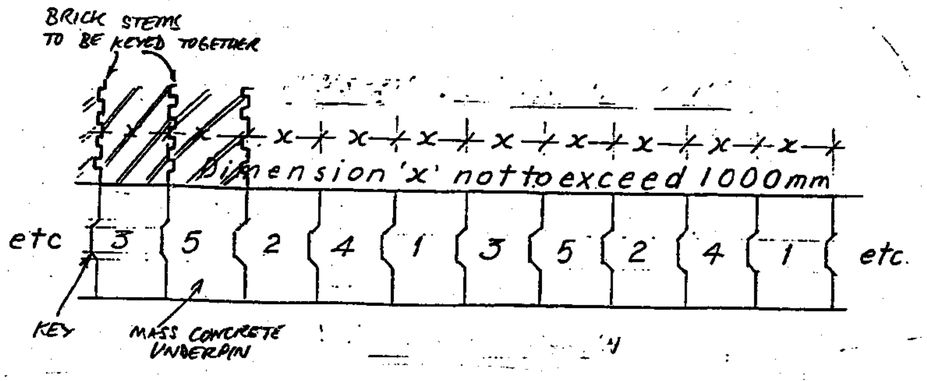
SEQUENCE OF UNDERPINNING

1. WORKING IN STRIPS NOT EXCEEDING 1M 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 TO WITHIN 75mm OF SOFFIT OF EXISTING FOOTING AND ALLOW 24 HOURS TO CURE.
4. RAM IN DRY PACK MORTAR BETWEEN NEW AND EXISTING FOOTINGS.
5. NEVER EXCAVATE TWO ADJACENT STRIPS WITHOUT ALLOWING 3 DAYS FROM TIME OF DRY PACKING.
6. 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.
7. UNDERPINNING TO BE 1000mm WIDE UNLESS NOTED OTHERWISE.
8. ALL NEW CONCRETE BELOW GROUND TO BE SULPHATE RESISTING CEMENT CONC. GRADE 35.
9. DRY PACK – 3 : 1 SAND CEMENT.
10. WHEN LOWERING FLOORS IN BASEMENTS, ALL WALLS MUST BE UNDERPINNED BEFORE DIGGING OUT FLOOR.
11. 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.
12. UNDERPINNING SECTIONS TO BE CAST IN NUMERICAL ORDER. SEE UNDERPINNING SEQUENCE PLAN FOR DETAILS.
13. TANKING REQUIRED, TO CONTRACTORS SPECIFICATION. ALL OTHER WATERPROOFING AND DRAINAGE TO ARCHITECTS SPECIFICATION.



ELEVATION SHOWING UNDERPINNING SEQUENCE

NOTES

1. ALL DIMENSIONS TO BE VERIFIED ON SITE.
2. READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
3. ALL STEELWORK DESIGNED TO BS 449 FABRICATED TO BS 5950.
4. ALL STEEL MEMBERS TO BE GRADE 43 STEEL.
5. APPLY 2 COATS OF RED OXIDE PRIMER TO ALL STEEL PRIOR TO ERECTION.
6. ALL STEEL BEAMS TO HAVE ½ HOUR FIRE RESISTANCE CAPABILITY MIN (e.g. 12.5 mm PLASTERBOARD AND 7mm SKIM).
7. ALL WELDING TO BE 4mm FILLET WELDS CARRIED OUT IN WORKSHOP.
8. ALL BLACK BOLTS TO BE GRADE 8.8.
9. ALL TIMBERWORK DESIGNED TO BS 5268.
10. DOUBLE JOISTS TO BE BOLTED TOGETHER WITH M-12 BOLTS + 63mm dia. TP CONNECTORS AND WASHER PLATE @ 450 c/c.
11. CONNECTIONS:
    TIMBER/BRICK: BAT SPH HANGER WHEN THERE IS A MINIMUM OF 675mm OF BRICKWORK ABOVE, IF NOT USE MAXI SPEEDY HANGERS.
    TIMBER/TIMBER: BAT JIFFY HANGER OR FRAMING ANCHOR.
    ALLOW FOR BAT M305 STRAPS @ 1200 c/c FOR RESTRAINT.
12. CONCRETE PADSTONES TO BE GRADE 25 (1:2:4).
13. FOUNDATION CONCRETE TO BE GRADE C35 (SR).
14. ALL TEMPORARY PROPPING BY THE CONTRACTOR.
15. NEW BRICKWORK TO BE 35N/mmsq, NEW BLOCKWORK TO BE 4N/mmsq SET IN 1:1: 6 MORTAR.
16. ALL WATERPROOFING AND DRAINAGE TO ARCHITECT'S SPECIFICATION.
17. ALL WORKS TO BE APPROVED BY THE BUILDING CONTROL OFFICER.
18. NO WORK TO COMMENCE ON SITE PRIOR TO BUILDING CONTROL APPROVAL OF STRUCTURAL DETAILS.
19. ANY EXCAVATIONS WORKS WITHIN 3m OF ANY ADJOINING PROPERTY OR PARTY STRUCTURE MAY BE SUBJECT TO PARTY WALL AGREEMENT.
20. ANY DEEP FOUNDATIONS/PILING WITHIN 6m MAY BE SUBJECT TO PARTY WALL AGREEMENT.
21. ANY BEAMS, JOISTS HANGERS, OR OTHER STRUCTURAL WORKS ATTACHED TO PARTY WALL MAY BE SUBJECT TO PARTY WALL AGREEMENT.
22. VERTICAL EXPANSION JOINTS:
    EVERY 5 METRE LENGTH IN BLOCKWORK
    EVERY 12 METRE LENGTH IN BRICKWORK

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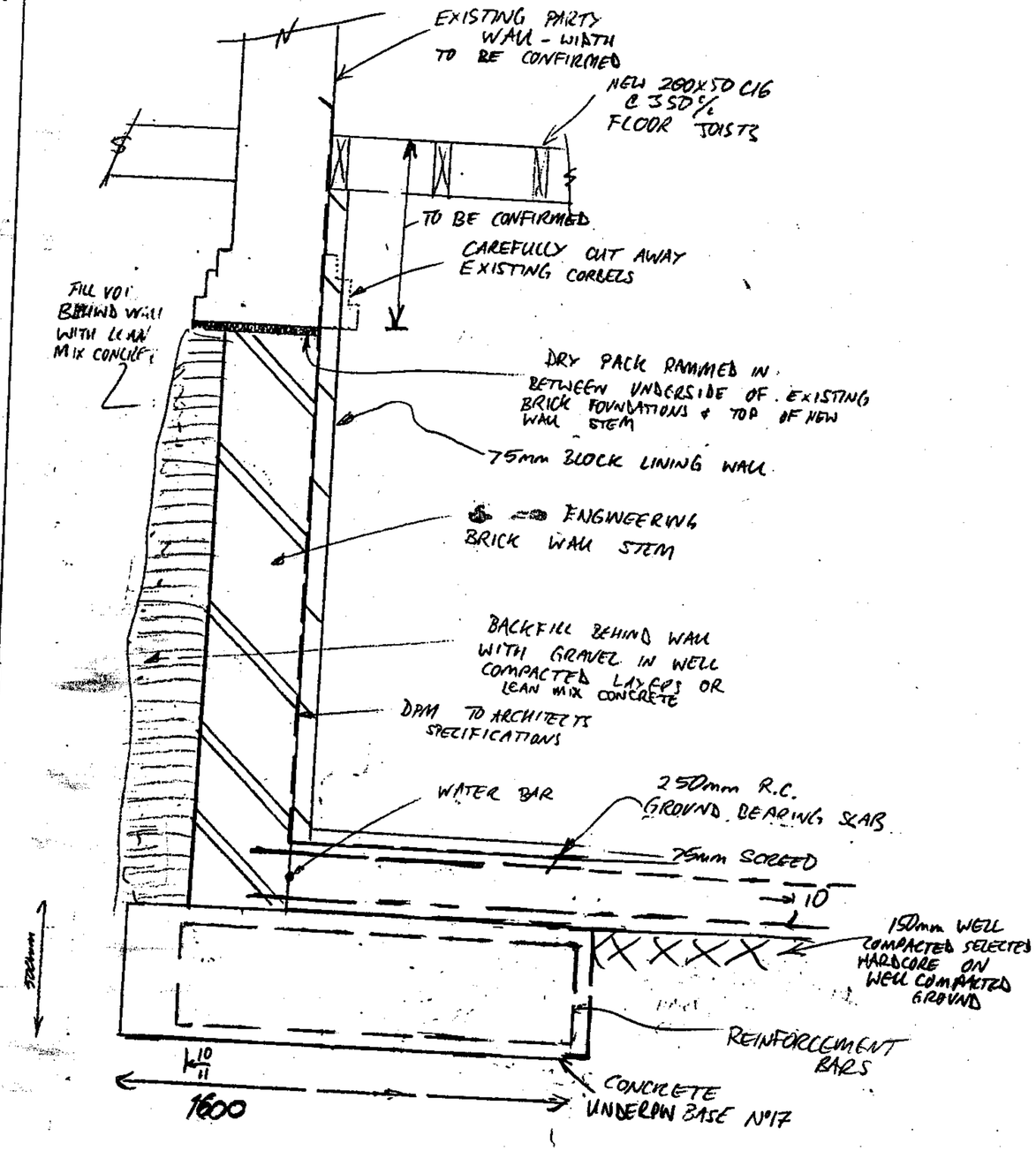

SECTION A-A 1:20

* WATERPROOFING & INSULATION DETAILS TO ARCHITECTS SPECIFICATIONS

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