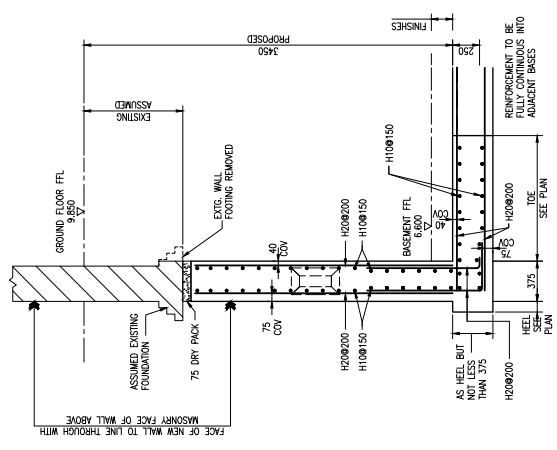
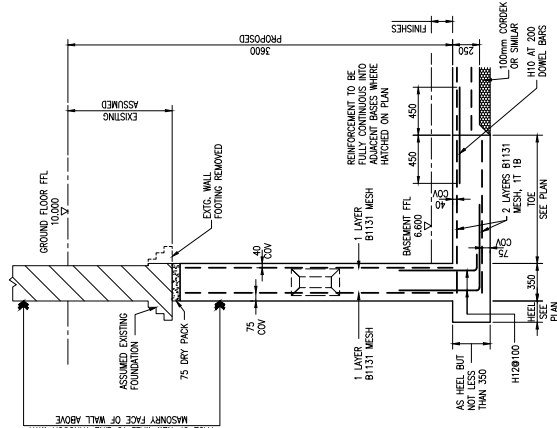
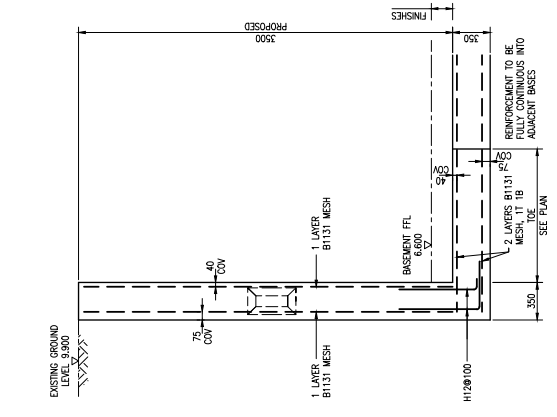


NOTES

- THIS DRAWING REMAINS THE COPYRIGHT OF MMP DESIGN AND SHALL NOT BE REPRODUCED, ALTERED OR CHANGED WITHOUT PERMISSION, OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- DO NOT SCALE OFF THIS DRAWING.
- ALL TEMPORARY WORKS SHALL BE THE RESPONSIBILITY OF THE MAIN CONTRACTOR AND MUST TAKE ACCOUNT OF THE ADVICE OF THE ENGINEER. NO RESPONSIBILITY WILL BE ACCEPTED UNLESS THE ADVICE IS CONFIRMED IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORKS BEING CARRIED OUT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE EXISTING STRUCTURE AND EARTHWORKS ON THE SITE AND ADJOINING SITES AND MUST TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THIS. ADEQUATE SHORING SHALL BE INSTALLED DURING THE WORKS TO ENSURE STABILITY OF THE EXISTING STRUCTURE. SHORING IS TO BE ADEQUATELY FRAMED.
- DEVIATION FROM THE DETAILS SHOWN MUST BE APPROVED IN WRITING BY THE CONTRACTOR IN WRITING BEFORE BEING CARRIED OUT.
- THE LOCAL AUTHORITY'S BUILDING INSPECTOR AND THE ENGINEER ARE TO BE INFORMED BY THE CONTRACTOR OF ANY VARIATIONS TO THE WORKS SHOWN ON THIS DRAWING AND THEIR AGREEMENT OBTAINED THAT WORK CAN COMMENCE.
- FIRE PROTECTION TO ALL STRUCTURAL MEMBERS SHALL ACHIEVE NOT LESS THAN A 1 HOUR STANDARD.
- ALL NEW STRUCTURAL TIMBER SHALL BE GRADE S4 (OR C24) TO BS 4978 UNLESS OTHERWISE STATED. ALL TIMBER SHALL BE TREATED WITH AN APPROVED TIMBER PRESERVATIVE, INCLUDING OUT ENDS AND NOTICES.
- THE CONCRETE MIX FOR PADESTONES SHALL BE A 1:4 MIX.
- BROCKWORK SHALL BE CONSTRUCTED USING BRICKS WITH A MINIMUM CRUSHING STRENGTH OF 27.5N/mm² AND BLOOMWORK SHALL BE CONSTRUCTED USING BRICKS WITH A MINIMUM CRUSHING STRENGTH OF 4.0N/mm² UNLESS OTHERWISE STATED. ALL MASONRY SHALL BE Laid IN CLASS (ii) WORKMANSHIP.

UNDERPINNING NOTES

- ALL REINFORCED CONCRETE CAST ON THE GROUND SHALL BE PLACED ON 50mm OF POLYETHYLENE SHEETING WITH A MINIMUM 15 MM UNLESS OTHERWISE NOTED.
- CONCRETE HAS BEEN DESIGNED AT 100kN/m² ONTO A COHESIVE SOIL AT THE DEPTHS SHOWN. THE BEARING STRAIN SHALL BE 10% OF THE UNCOMPACTED SOIL. THE BUILDING INSPECTOR BEFORE LAYING BLINDING OR CASTING FOUNDATIONS. ANY ADDITIONAL EXAMINATION SHALL BE REPLACED WITH A STATEMENT OF THE ENGINEER'S CONSENT. IN THE EVENT OF EXTENSIVE ADDITIONAL EXAMINATION BEING REQUIRED, THE ENGINEER MUST BE ADVISED IN WRITING AND FRESH INSTRUCTIONS OBTAINED.
- CONCRETE FOR REINFORCING SHALL BE A MINIMUM OF 20MPa. ALL REINFORCING SHALL BE A SULPHATE RESISTING CEMENT PER CUBIC METRE AND A MAXIMUM WATER/CEMENT RATIO OF 0.45. ALL REINFORCING SHALL BE AT LEAST 48 HOURS BEFORE DRY PACKING.
- CONCRETE COVER TO THE REINFORCEMENT SHALL BE AS DETAILED ON THE DRAWINGS BUT NEVER LESS THAN 35mm.
- THE MINIMUM DEPTH OF THE UNDERPINNING (MEASURED FROM THE UNDERSIDE OF THE EXISTING FOOTING TO THE UNDERSIDE OF THE NEW) SHALL BE 300mm AND THE UNDERSIDE SHALL BE REINFORCED WITH AT LEAST 2 BARS SUSTAINING A PERMISSIBLE NET GROUND PRESSURE OF 100kN/m².
- THE UNDERSIDE OF THE EXISTING WALL OR FOUNDATION SHALL BE TRIMMED AND CLEANED OF ALL MUD AND DEBRIS BEFORE DRY PACKING AND WELL RAMMED IN HORIZONTAL LAYERS NOT EXCEEDING 75mm THICK DRY PACKING. ALL REINFORCING SHALL BE TIED TO THE EXISTING WORKS AND COMMENCED ON ADJACENT UNDERPINNINGS.
- THE CENTRAL AREA OF EXCAVATION SHALL NOT BE CARRIED OUT UNTIL THE PERIMETER UNDERPINNING HAS BEEN COMPLETED.
- BACKFILLING BEHIND LIGHTWELL REMAINING SHALL BE COMPLETED TO A MINIMUM USING SULPHATE RESISTING CEMENT.



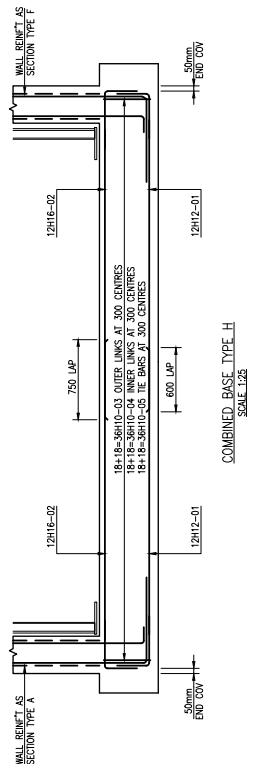
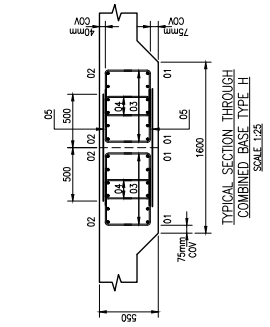
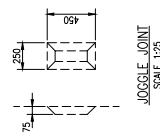
FOR FOUNDATION PLAN AND DETAIL TYPES A-D REFER TO MMP DESIGN DRAWING NO. 4580/03.

THE LEVELS INDICATED ON THE SECTIONS ARE TO BE USED AS A REFERENCE ONLY. ALL DIMENSIONS SHOULD BE CHECKED PRIOR TO CONSTRUCTION.

WHERE THE EXISTING FOUNDATION PROJECTION IS TO BE CUT BACK IT SHOULD BE CARRIED OUT ONLY AFTER THE UNDERPINNINGS HAVE BEEN COMPLETED AND USING A NON-FRAGILE METHOD.

B1131 MESH NOTE
WHERE B1131 MESH IS SPECIFIED THE 10mm BARS SHALL BE VERTICAL AND ADDITIONAL 18 INTERMEDIATE HORIZONTAL BARS SHALL BE PROVIDED AT 200mm CENTRES, TIED TO MESH.

REINFORCEMENT NOTE
WALL AND FOUNDATION REINFORCEMENT SHALL BE CONTINUOUS. IF LOOSE BARS ARE USED TO PROVIDE CONTINUITY THE AREA OF THE LOOSE BARS SHALL NOT BE LESS THAN THE AREA OF THE BARS SPECIFIED.
LAPS SHALL NOT BE LESS THAN 45 TIMES THE LESSER BAR DIAMETER.



BAR BENDING SCHEDULE - BASE TYPE H

Bar No.	Bar Size	Length of Bar (mm)	Number of Bars	Area (mm ²)	Sp	C ₁	C ₂	C ₃	C ₄
01	H10	1	36	36	2400	51	675	458	
04	H10	1	36	36	1450	51	200	458	

Rev:	Revision	Date:
4/01		
Project 59 SOLENT ROAD LONDON NW1 1TY		
Title PROPOSED NEW BASEMENT AND STRUCTURAL ALTERATIONS STRUCTURAL DETAILS - SHEET 4		
Drawing Status BUILDING REGULATIONS		
Date	Drawn by	Checked
MAY/2016	AFB	
Scale:	AS NOTED AT A1	
 MMP DESIGN Consulting Civil & Structural Engineers Second Floor Unit 5 100, The Quadrant, 100, The Quadrant County Hill Road Lymington, BS29 7TX United Kingdom Email: info@mmpdesign.co.uk		
Job No.	Dwg. No.	Rev.
4580	04	