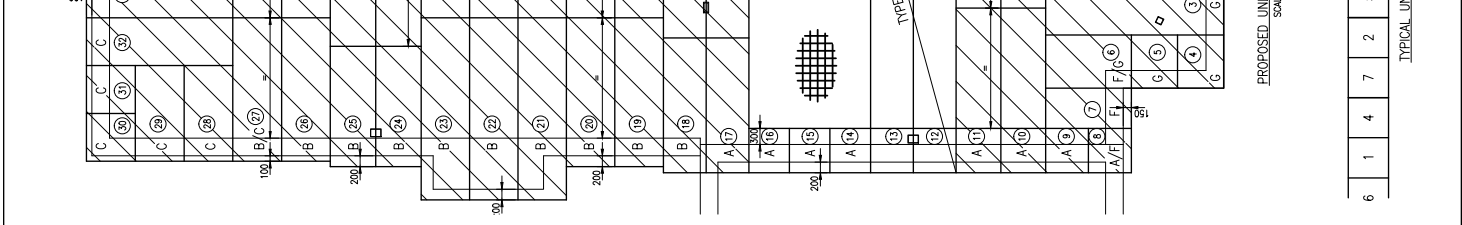
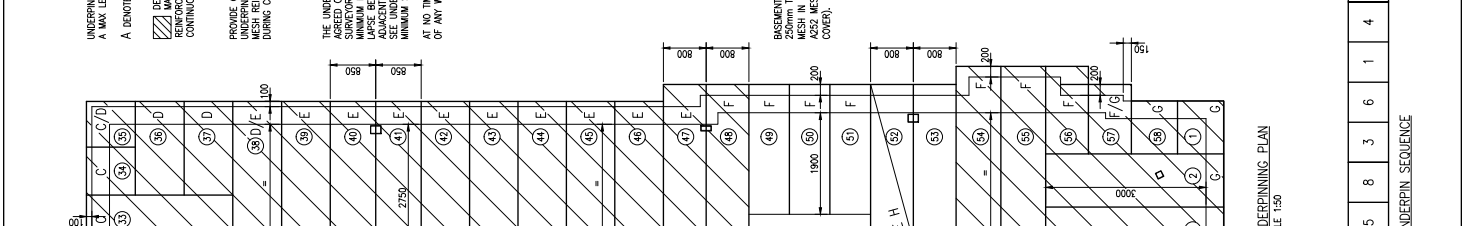
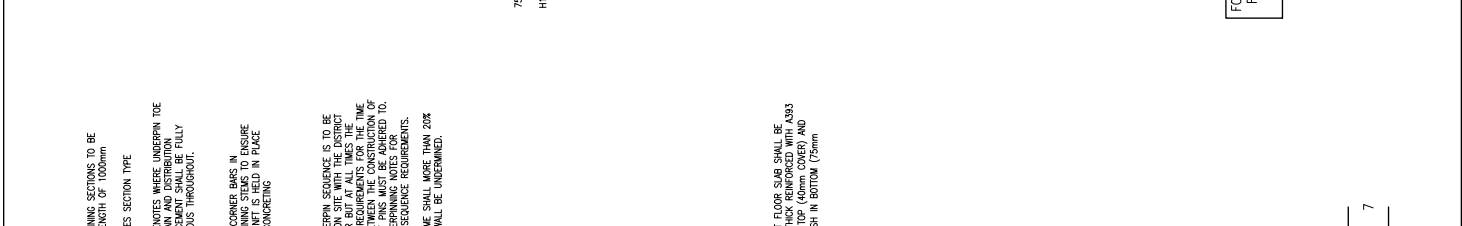
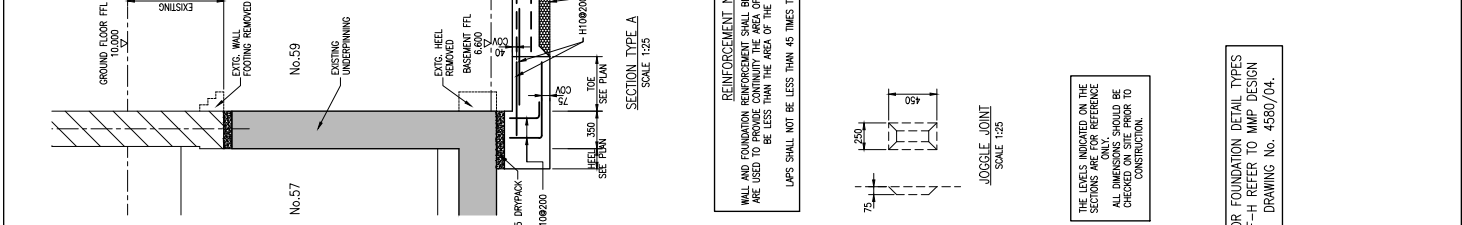
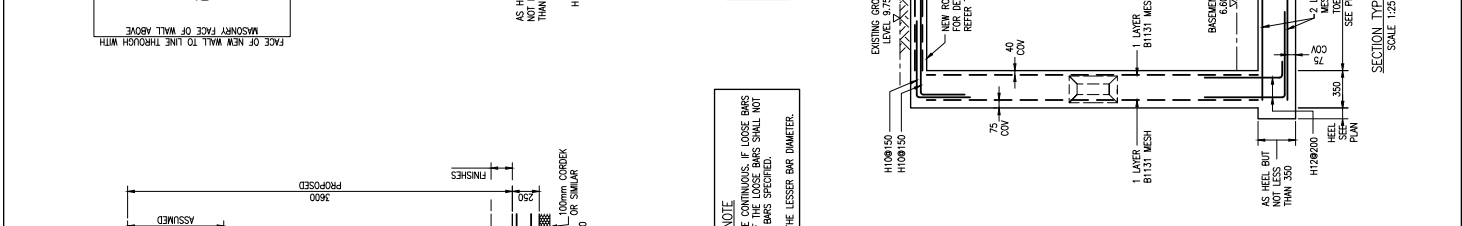
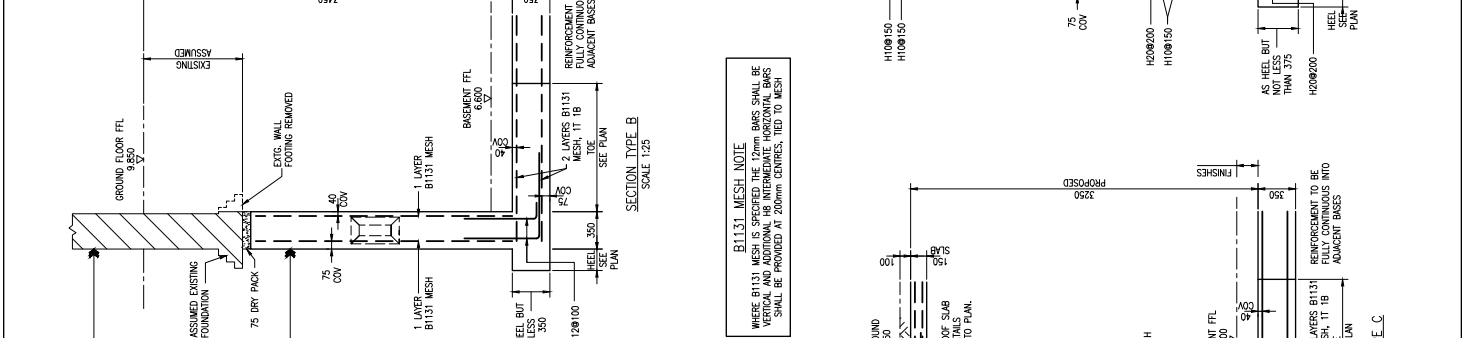


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| Notes | <ol style="list-style-type: none"> THIS DRAWING REMAINS THE COPYRIGHT OF MMP DESIGN. IT IS NOT TO BE REPRODUCED, ALTERED OR CHANGED WITHOUT PERMISSION. OTHERWISE NOTED. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED. DO NOT SCALE OFF THIS DRAWING. ALL TEMPORARY WORKS SHALL BE THE RESPONSIBILITY OF THE MAIN CONTRACTOR AND MUST BE APPROVED BY THE MAIN CONTRACTOR'S ENGINEER. NO RESPONSIBILITY WILL BE ACCEPTED UNLESS THE ADVICE IS CONFIRMED IN WRITING BY THE MAIN CONTRACTOR PRIOR TO THE WORKS BEING CARRIED OUT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL 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 EXISTING STRUCTURES. SHORING IS TO BE NEGATIVELY FRAMED. DEVIATION FROM THE DETAILS SHOWN MUST BE APPROVED BY THE MAIN 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 CHANGES TO THE WORKS PRIOR TO THE WORKS COMMENCING AT THE SITE 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 NOTED. ALL NEW STRUCTURAL WORK SHALL BE TREATED WITH AN APPROVED TIMBER PRESERVATIVE, INCLUDING CUT ENDS AND NOTCHES. THE CONCRETE MIX FOR PASTONES SHALL BE A 1:4 MIX. BROCKWORK SHALL BE CONSTRUCTED USING BRICKS WITH A MINIMUM CRUSHING STRENGTH OF 7.75N/mm² AND BLOOMWORK SHALL BE CONSTRUCTED USING BLOCKS WITH A MINIMUM CRUSHING STRENGTH OF 4.0N/mm² UNLESS OTHERWISE NOTED. ALL MASONRY SHALL BE Laid IN CLASS (ii) MORTAR. |
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|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project | 59 SOLENT ROAD LONDON NR1 1TY |
| Title | PROPOSED NEW BASEMENT AND STRUCTURAL ALTERATIONS STRUCTURAL DETAILS - SHEET 3 |
| Drawing Sheet | BUILDING REGULATIONS |
| Date | MAY/2016 |
| Scale | AS NOTED AT ALL |
| Drawn by | AFB |
| Checked | |
| | |
| Second Floor Unit 5 100, The Old Mill Lane County Hill Road Lymington, Hants SO41 2TX Email: info@mmpdesign.co.uk | |
| Job No. | 4580 |
| Dwg. No. | 03 |
| Rev. | |

UNDERPINNING NOTES

- U1. ALL REINFORCED CONCRETE CAST ON THE GROUND SHALL BE PLACED ON 50mm OF POLYSTYRENE INSULATION WITH A MINIMUM 15 MM UNLESS OTHERWISE NOTED.
- U2. FOUNDATIONS ARE TO BE REDESIGNED TO 1000MM ONTO A COHESIVE SOIL AT THE DEPTHS SHOWN. THE BEARING STRAIN SHALL BE 10% OF THE UNDESIGNED BEARING CAPACITY. BUILDINGS INSPECTOR BEFORE LAYING BLINDING OR CASTING FOUNDATIONS. ANY ADDITIONAL EXAMINATION SHALL BE REPLACED WITH A STATEMENT OF WORKS TO BE CARRIED OUT PRIOR TO THE WORKS BEING CARRIED OUT.
- U3. CONCRETE FOR FOUNDATIONS SHALL BE A MINIMUM OF 25MPa. ALL CONCRETE SHALL BE SUPPLIED WITH A MAXIMUM WATTE/CEMENT RATIO OF 0.45. ALL CONCRETE SHALL BE CURED FOR AT LEAST 48 HOURS BEFORE DRY PACKING.
- U4. CONCRETE COVER TO THE REINFORCEMENT SHALL BE AS DETAILLED IN THE DRAWINGS BUT NEVER LESS THAN 35mm.
- U5. THE MINIMUM DEPTH OF THE UNDERPINNING EXISTING FOOTING TO THE UNDERSIDE OF THE NEW) SHALL BE 50mm AND THE UNDERSIDE OF NEW) SHALL BE 100mm. THE UNDERSIDE OF SUSTAINING A FEASIBLE NET GROUND PRESSURE OF 100kN/m².
- U6. 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 WORKS ARE COMMENCED ON ADJACENT UNDERPINNINGS.
- U7. THE CENTRAL AREA OF EXCAVATION SHALL NOT TO BE CARRIED OUT UNTIL THE PERIMETER UNDERPINNING HAS BEEN COMPLETED.
- U8. BACKFILLING BEHIND LIGHTWELL REMAINING EXISTING UNDERPINNING SHALL BE 1:1.5 MIX USING SULPHATE RESISTING CEMENT.



FOR FOUNDATION DETAIL TYPES F-H REFER TO MMP DESIGN DRAWING No. 4580/04.

UNDERPINNING SECTIONS TO BE
 A MAX LENGTH OF 1000mm
 A DENOTES SECTION TYPE
 B DENOTES SECTION TYPE
 C DENOTES WHERE UNDERPIN TO BE MAIN AND DISTRIBUTION CONCRETE SHALL BE FULLY CONTINUOUS THROUGHOUT.
 PROVIDE CORNER BARS IN UNDERPINNING STELS TO ENSURE CORNER BARS ARE IN PLACE DURING CONCRETING.
 THE UNDERPIN SEQUENCE IS TO BE DETERMINED ON SITE WITH THE MAIN CONTRACTOR'S ENGINEER. THE MINIMUM REQUIREMENTS FOR THE TIME LAPSE BETWEEN THE CONSTRUCTION OF UNDERPINNINGS SHALL BE 10. SEE UNDERPINNING NOTES FOR MINIMUM SEQUENCE REQUIREMENTS.
 AT NO TIME SHALL MORE THAN 20% OF ANY WALL BE UNDERPINNED.

BASEMENT FLOOR SLAB SHALL BE 250mm THICK REINFORCED WITH A383 MESH IN TOP (40mm COVER) AND A322 MESH IN BOTTOM (75mm COVER).

PROPOSED UNDERPINNING PLAN
SCALE 1:50

TYPICAL UNDERPIN SEQUENCE

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 1 | 4 | 7 | 2 | 5 | 8 | 3 | 6 | 1 | 4 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|---|