



- NOTES:
- REFER TO MBP'S SPECIFICATIONS AND GENERAL NOTES
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE REMAINING STRUCTURAL DRAWINGS, TRIAL PIT LOGS AND DESIGN STATEMENT
 - INSTALL STRAPS AT ALL LEVELS BETWEEN TIMBER FLOOR AND MASONRY WALLS, REFER TO DETAILS
 - EXISTING LINTELS AND SUPPORT OF INTERNAL BLOCKWORK/BRICKWORK WALLS TO BE INSPECTED AND REVIEWED ON SITE - ALLOW FOR MAKING GOOD OF EXISTING SUPPORTS
 - DEMOLITION AND TEMPORARY WORKS, WATERPROOFING, FIRE STRATEGY, REINFORCEMENT DETAILING AND BENDING SCHEDULES BY OTHERS
 - CONTRACTOR TO INFORM DESIGN TEAM OF DISCREPANCIES FOUND ON SITE RELATED TO DESIGN ASSUMPTIONS
 - ALL NON STRUCTURAL WALLS AND PARTITIONS TO HAVE DEFLECTION HEADS TO UNDERSIDE OF FLOOR ABOVE
 - CONTRACTOR TO ADD NOGGINS AT THIRDS OF SPAN WHERE NON EXISTING, CONTRACTOR TO INFILL EXISTING OBSOLETE NOTCHES IN JOISTS TO BE RETAINED WITH BLOCKING AND GLUE
 - CONTRACTOR TO SURVEY ALL EXISTING WET AREAS (EG. BATHROOMS AND KITCHENS) FOR TIMBER ROT, ALLOW FOR REPLACEMENT OF 30% OF EXISTING JOISTS, TO BE CONFIRMED AFTER SURVEY.
 - PLYWOOD TO BE SCREWED TO MAIN JOISTS WHERE EXISTING FLOORBOARDS ARE REMOVED. WHERE LEVELING FURRING IS USED, THE SCREWS USED MUST ENSURE BOARD/JOIST CONNECTION THROUGH TO MAIN JOISTS.
 - CONTRACTOR TO INVESTIGATE CONDITION OF ALL EXISTING STEEL ELEMENTS TO BE RETAINED, ALLOW FOR CORROSION TREATMENT AFTER SURVEY
 - CONTRACTOR TO EXECUTE TRIAL PITS TO CONFIRM FOUNDATION DEPTH AND GEOMETRY AND WATER LEVELS PRIOR TO WORKS
 - CONTRACTOR TO MAKE PROVISION TO REPAIR 30% OF EXISTING BRICKWORK WITH STANDARD REPOINTING - TO BE CONFIRMED ON SITE
 - ALL OBSOLETE NOTCHES IN JOISTS ARE TO BE INFILLED WITH SOLID BLOCKING, GLUED, REFER TO MBP DETAILS FOR RULES FOR HOLES AND NOTCHING
 - ANY BWIC NOT SHOWN IN THE STRUCTURAL DRAWINGS ARE TO BE CONFIRMED WITH STRUCTURAL ENGINEER, MAKE PROVISION TO SLEEVES/ADD LINTELS TO EXECUTE OPENINGS THROUGH STRUCTURAL WALLS/FLOORS.
 - STRENGTHENING WORKS ARE TO BE COORDINATED WITH THE UNDERFLOOR HEATING, IN SOME AREAS FLITCHING MAY BE REPLACED BY DOUBLING UP THE EXISTING JOISTS

| CONCRETE | | |
|----------------------|---------------------------|------------|
| TYPE | CLASS/DESIGNATED CONCRETE | SPEC. REF. |
| GENERAL | RC 32/40 | E10 |
| IN CONTACT WITH SOIL | DS-3 | E10 |
| MASS CONCRETE | GEN1 | E10 |
| BLINDING | GEN1 | E10 |

| STEEL | | |
|---------|-------------|------------|
| TYPE | CLASS/GRADE | SPEC. REF. |
| GENERAL | S355 | G10 |
| BOLTS | 8.8 | G10 |

| TIMBER | | |
|---------|-------------|------------|
| TYPE | CLASS/GRADE | SPEC. REF. |
| NEW | C24 | G20 |
| PLYWOOD | I/I | G20 |

LEGEND:

| | | | | | | |
|--|---|--|---|--|---|-----------------------------|
| | EXISTING STRUCTURE TO BE RETAINED | | EXISTING WALLS BELOW | | SPAN OF 50x150 GRADE C24 TIMBER JOISTS @ 400 CRS w/ 2x12mm PLY ON TOP AND NOGGINS AT THIRDS OF SPAN | ABBREVIATIONS: |
| | NEW BRICKWORK | | COLUMN REFERENCE, REFER TO SCHEDULES FOR TYPE AND SIZE | | SPAN OF 50x250 GRADE C24 TIMBER JOISTS @ 300 CRS w/ 2x12mm PLY ON TOP AND NOGGINS AT THIRDS OF SPAN | SSL - STRUCTURAL SLAB LEVEL |
| | NEW LOAD-BEARING BLOCKWORK | | NEW LINTEL & REFERENCE, REFER TO SCHEDULES FOR TYPE AND SIZE | | NEW TIMBER MEMBER, JOIST/RAFTER ETC. | FFL - FINISHED FLOOR LEVEL |
| | NEW STEEL BEAM & REFERENCE, REFER TO SCHEDULES FOR TYPE AND SIZE | | NEW TIMBER MEMBER, JOIST/RAFTER ETC. | | FLITCH ELEMENT - REFER TO PLAN FOR SIZES | TOF - TOP OF FLOOR |
| | EXISTING STEEL BEAM, REFER TO PLANS FOR SIZES | | FLITCH ELEMENT - REFER TO PLAN FOR SIZES | | SPAN OF EXISTING TIMBER JOISTS - REFER TO PLAN FOR SIZES | TOB - TOP OF BEAM |
| | NEW CONCRETE PADSTONE, REFER TO SCHEDULE FOR SIZES | | SPAN OF EXISTING TIMBER JOISTS - REFER TO PLAN FOR SIZES | | EXISTING TIMBER JOISTS, REFER TO PLANS FOR SIZES | TOPC - TOP OF PILECAP |
| | NEW MASS CONCRETE UNDERPINNING CAST IN 1.0m LENGTHS TO 1-3-5-2-4 SEQUENCE | | SPAN OF 50x200 GRADE C24 TIMBER JOISTS @ 400 CRS w/ 2x12mm PLY ON TOP AND NOGGINS AT THIRDS OF SPAN | | EXISTING TIMBER JOISTS, REFER TO PLANS FOR SIZES | TOW - TOP OF WALL |
| | | | | | EXISTING TIMBER JOISTS, REFER TO PLANS FOR SIZES | TOJ - TOP OF JOIST |
| | | | | | SPAN OF 50x200 GRADE C24 TIMBER JOISTS @ 400 CRS w/ 2x12mm PLY ON TOP AND NOGGINS AT THIRDS OF SPAN | CB - COLUMN BELOW |
| | | | | | | WB - WALL BELOW |

| BEAM SCHEDULE | | |
|---------------|-----------------|--|
| REF | SIZE | COMMENTS |
| B1 | 203x133x30 UKB | * DENOTES TOP PLATE TO SUPPORT BRICKWORK |
| B2 | 254x254x73 UKC | * DENOTES TOP PLATE TO SUPPORT BRICKWORK |
| B3 | 200x90x30 UKPFC | |
| B4 | 203X203X46 UKC | |
| B5 | 150x90x24 UKPFC | |
| B6 | 203X203X60 UKC | |
| B7 | 152X152X37 UKC | |

| LINTELS | | |
|-----------------------|-----------------------------------|----------|
| CLEAR SPAN OF OPENING | SIZE | COMMENTS |
| UP TO 1m | 100x100DP PRECAST CONCRETE LINTEL | |
| 1m TO 1.8m | 100x140DP PRECAST CONCRETE LINTEL | |
| 1.8m TO 2.4m | 100x215DP PRECAST CONCRETE LINTEL | |

NOTES:

- NUMBER OF LINTEL TO SUIT WALL WIDTH, E.G. 2150 WALL REQUIRES 2No. LINTELS.
- FIRE RATING REQUIREMENTS BY OTHERS

| PADSTONE SCHEDULE | | |
|-------------------|---------------|---------------------|
| REF | SIZE | COMMENTS |
| P1 | 225x350x150dp | MASS CONCRETE |
| P2 | 100X350X150dp | MASS CONCRETE |
| P3 | 100X600X300dp | MASS CONCRETE |
| P4 | 225X225X150dp | MASS CONCRETE |
| P5 | 100X1200X300 | REINFORCED CONCRETE |

| COLUMN SCHEDULE | | |
|-----------------|---------------|------------|
| REF | SIZE | COMMENTS |
| C1 | 260X90X35 PFC | |
| C2 | 60X60X5 RHS | HOT ROLLED |
| C3 | | |

- NOTES:**
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
 - ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 - DO NOT SCALE FROM THE DRAWING OR THE COMPUTER DIGITAL DATA, ONLY FIGURED DIMENSIONS TO BE USED.

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|---|--|----------------------------------|--------|---------------------|---------|---|-----------------------------|
| Project Title | | Scale @ A1 | Date | Drawn | Checked | MBP | Michael Barclay Partnership |
| 55 CUMBERLAND TERRACE, LONDON NW1 4HJ | | 1:50 | APR 21 | MI | TH | | consulting engineers |
| Drawing Title | | Drawing Status | | Revision | | Chronicle House, 72 - 78 Fleet Street London EC4Y 1HY | |
| PROPOSED & EXISTING SECOND FLOOR GENERAL ARRANGEMENTS | | S4 - SUITABLE FOR STAGE APPROVAL | | P1 | | T 020 7240 1191 | |
| Project Drawing ID | | Project | | Originator | | E london@mbp-uk.com | |
| 8045-MBP-XX-02-DR-S-0703 | | 8045-MBP-XX-02-DR-S-0703 | | Volume | | W mbp-uk.com | |
| Project | | Originator | | Volume | | Level | |
| P1 | | 01/04/21 | | ISSUED FOR PLANNING | | MI | |
| Rev | | Date | | Description | | By | |
| P1 | | 01/04/21 | | ISSUED FOR PLANNING | | MI | |

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