



- 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 ARE 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

CONCRETE		
TYPE	CLASS/DESIGNATED CONCRETE	SPEC. REF.
GENERAL	RC 32/40	E10
IN CONTACT WITH SOIL	D5-3	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	1/1	G20

**LEGEND:**

EXISTING STRUCTURE TO BE RETAINED

NEW BRICKWORK

NEW LOAD-BEARING BLOCKWORK

NEW STEEL BEAM & REFERENCE. REFER TO SCHEDULES FOR TYPE AND SIZE

EXISTING STEEL BEAM, REFER TO PLANS FOR SIZES

NEW CONCRETE PADSTONE AND REFERENCE. REFER TO SCHEDULE FOR SIZES

NEW MASS CONCRETE UNDERPINNING CAST IN 1.0m LENGTHS TO 1-3-5-2-4 SEQUENCE

EXISTING WALLS BELOW

**ABBREVIATIONS:**

SSL - STRUCTURAL SLAB LEVEL  
 FFL - FINISHED FLOOR LEVEL  
 TOF - TOP OF FLOOR  
 TOB - TOP OF BEAM  
 TOPC - TOP OF PILECAP  
 TOS - TOP OF STEEL  
 TOW - TOP OF WALL  
 TOJ - TOP OF JOIST  
 TOU - TOP OF COLUMN ABOVE  
 CB - COLUMN BELOW  
 WB - WALL BELOW

**C1** COLUMN REFERENCE. REFER TO SCHEDULES FOR TYPE AND SIZE

**L1** NEW LINTEL & REFERENCE. REFER TO SCHEDULES FOR TYPE AND SIZE

NEW TIMBER MEMBER; JOIST/RAFTER ETC.

FLITCH ELEMENT - REFER TO PLAN FOR SIZES

SPAN OF EXISTING TIMBER JOISTS - REFER TO PLAN FOR SIZES

EXISTING TIMBER JOISTS, REFER TO PLANS FOR SIZES

SPAN OF 50x200 GRADE C24 TIMBER JOISTS @ 400 CRS w/ 2x12mm PLY ON TOP AND NOGGINS AT THIRDS OF SPAN

BEAM SCHEDULE		
REF	SIZE	COMMENTS
B1	203x133x30 UKB	* DENOTES TOP PLATE TO SUPPORT BRICKWORK
B2	305x127x37 UKB	* 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
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	250X150X10 RHS	HOT ROLLED
C2	-	
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.

Project Title  
 55 CUMBERLAND TERRACE,  
 LONDON  
 NW1 4HJ

Scale @ A1  
 1:50

Date  
 SEP 20

Drawn  
 DJB

Checked  
 MBP

Project Drawing ID  
 8045-MBP-XX-02-DR-S-1102

Project Originator  
 Michael Barclay Partnership

Volume  
 1

Level  
 2

Type  
 Structural

Role  
 Structural Engineer

Number  
 1

Project Status  
 S4 - SUITABLE FOR STAGE APPROVAL P1

Revision  
 1

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