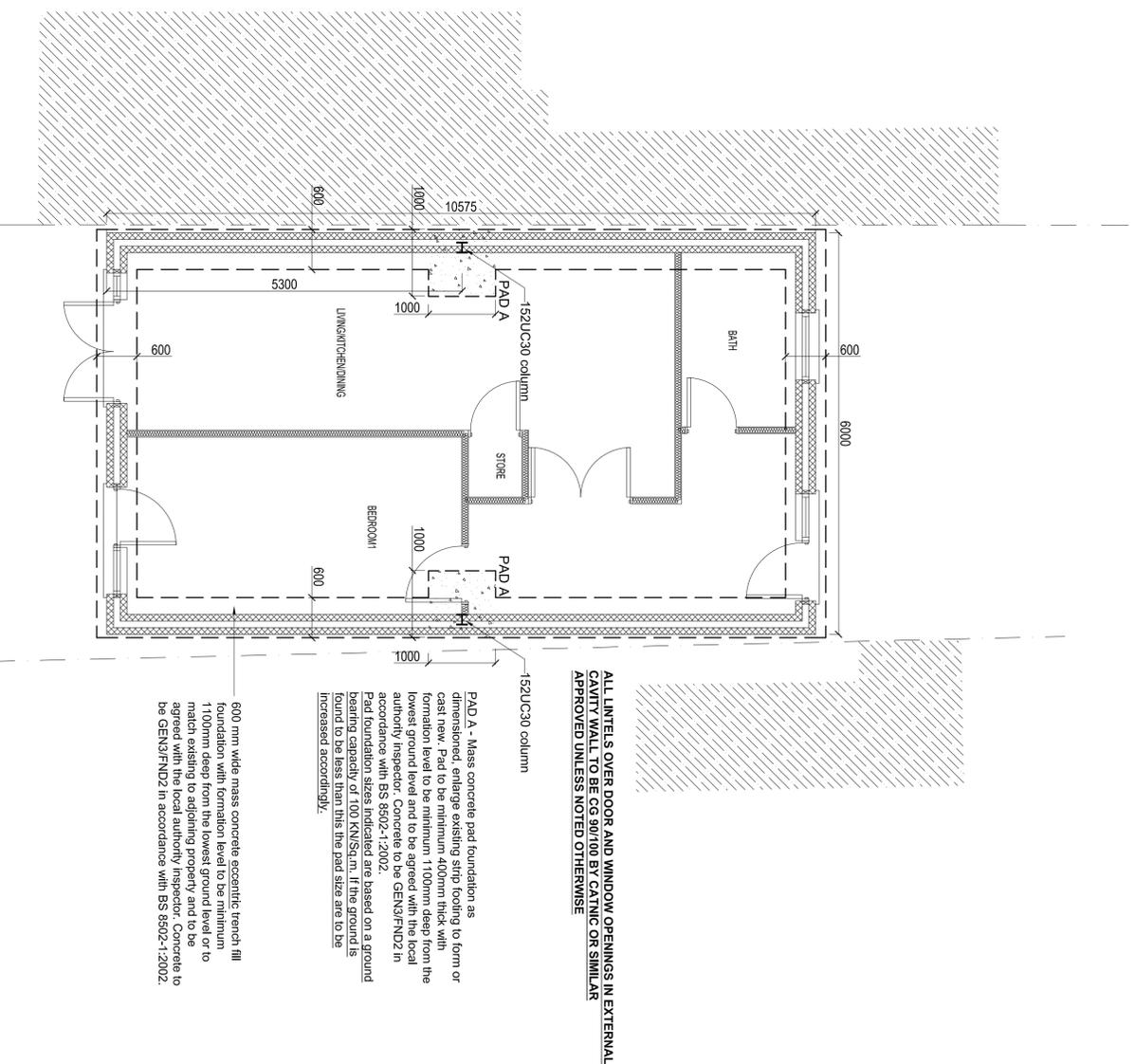


- GENERAL BLOCKWORK NOTES**
1. ALL MASONSRY TO BE IN ACCORDANCE WITH BS 5628
 2. BLOCKWORK AND BLOCKWORK BELOW DPC TO BE CLASS 1 SOLAR BRICKS
 3. ALL MASONSRY BELOW DPC TO HAVE SULPHATE RESISTING CEMENT
 4. BLOCKWORK STRENGTHS NOTED ON THIS DRAWING ARE MINIMUM STRUCTURAL REQUIREMENT
 5. ALL WALLS BELOW GROUND FLOOR TO BE 150mm (MIN) AND NOT LESS THAN STRENGTH OF WALL BETWEEN GROUND
 6. UNLESS NOTED OTHERWISE MORTAR GRADES ARE AS FOLLOWS:
BLOCK STRENGTHS UP TO 15mm² - GRADE (ii)
BLOCK STRENGTHS GREATER THAN 15mm² - GRADE (ii)
NB: THE CONTRACTOR MAY CHOOSE AT HIS DISCRETION TO USE HIGHER STRENGTH BLOCKS AND GRADE (iii)
MORTAR TO GIVE EQUIVALENT UNITS/ WALL STRENGTHS ON NO ACCOUNT SHALL GRADE (ii) MORTAR BE USED
 7. MANUFACTURE IN ACCORDANCE WITH CLAUSE 27.2.1.2 OF BS 5628 PART 1 AND THE SPECIFICATION FOR LOCATION AND DETAIL OF MOVEMENT JOINTS AND OTHER BLOCKWORK DETAILS REFER TO ARCHITECT'S DRAWINGS
 8. PAPOSTONES ARE TO BE BUILT INTO WALLS AS WORK PROCEEDS TO RECEIVE STEEL BEAMS PAPOSTONES TO BE 400mm LONG CONCRETE BLOCKS HAVING A CRUSHING STRENGTH OF 20MN/m² UNLESS NOTED OTHERWISE

- INTERNAL LINTELS**
- i) 250mm BLOCK WALLS TO HAVE 2 No. 100 x 140 90 TARMAC PRESTRESSED BEAM LINTEL OR SIMILAR LOAD APPROVED UNDO.
 - ii) 150mm BLOCK WALLS TO HAVE 100 x 40 90 TARMAC PRESTRESSED BEAM LINTEL OR SIMILAR LOAD APPROVED UNDO.
 - iii) 100mm BLOCK WALLS TO HAVE 100 x 40 90 TARMAC PRESTRESSED BEAM LINTEL OR SIMILAR LOAD APPROVED UNDO.

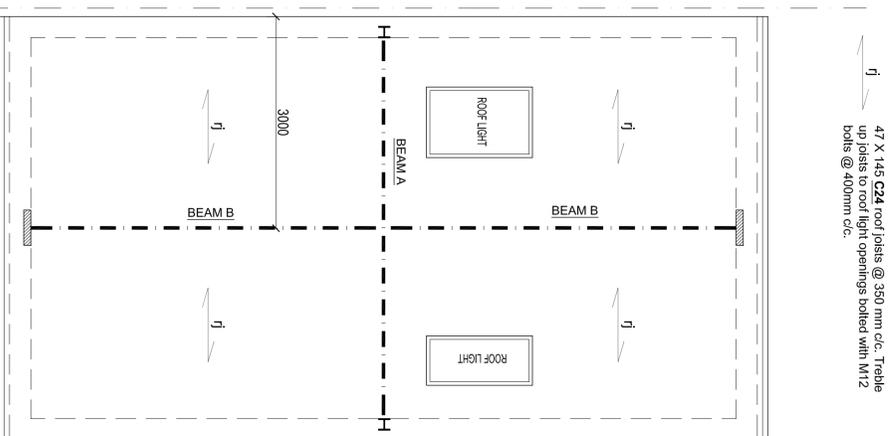


FOUNDATION AND GROUND FLOOR STRUCTURAL PLAN

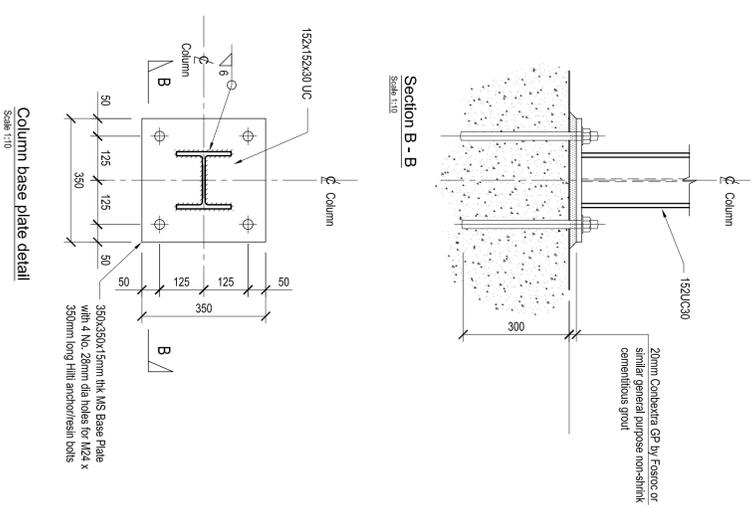
BEAM SCHEDULE

Beam Ref.	Section Size	Concrete Padstone Details
Beam A	152 x 152 x 37 UC	440mm long x 100mm wide x 225 mm deep
Beam B	152 x 152 x 30 UC	

STEEL-TO-STEEL BEAM CONNECTION - TYPICAL
4 NO M16 GRADE 8.8 BOLTS IN S355 PER CONNECTION, CONNECTION EITHER TO HAVE 12MM END PLATE OR 120 X 120 X 10 MM ANGLE CLEATS.



ROOF STRUCTURAL PLAN



- NOTES**
1. The drawing to be read in conjunction with all relevant Engineer's and Architect's drawings
 2. For setting out information, refer to relevant Architects drawings.
 3. All structural levels are in meters and dimensions are in millimeters unless noted otherwise.
 4. Drawings should not be scaled either by hand or from a computer digital table and only figured dimensions are to be used.
 5. The contractor shall be responsible for the design, fabrication, erection and removal of all temporary works and shall provide all temporary bracing and back propping necessary to maintain structural stability during construction.

NOTES FOR STEELWORK

1. Unless noted otherwise, the steelwork indicated on the drawings has been designed in accordance with BS 5950.
2. All steelwork to be fabricated in accordance with the National Structural Steelwork Specification for building construction (4th edition).
3. All steelwork to be fabricated in accordance with the National Structural Steelwork Specification for building construction (4th edition).
4. All structural bolts to grade 8.8 to BS 3692; 1967.
5. All bolts to be of minimum thickness 10mm unless noted otherwise.
6. All plates to be of minimum thickness 10mm unless noted otherwise.
7. All welds to be 6mm fillet welds, full profile, unless forces are given which require larger welds.
8. The following corrosion protection systems apply:
Internal & External steelwork
Manual clean on site and apply two coats of zinc phosphate primer and a suitable decorative finish where required.
Steelwork built into cavity wall
9. Paint columns below ground level with heavy duty bitumen, DFT 200 microns or encase in concrete with min. 100mm cover with D50 60kPa.

NOTES FOR TIMBER

1. All timber shall conform with BS 5268. The service moisture content must not exceed 18%.
2. Bolts shall comply with BS 4190. Nails shall comply with BS1202 screws to be 149k; Part 2.
3. Metal plate fasteners to be purchased metal either integral lashed or separate nail types in accordance with BS 5268:Part 2. Finish to be anti-corrosive and compatible with fillings. The-down straps to be mild steel 30mm wide and 2.5mm thick unless noted otherwise. Metal plates to galvanized steel unless noted otherwise. Material to be all steel 30mm wide and 2mm thick unless noted otherwise. Finish to be anti-corrosive and compatible with fillings.
4. All timber shall be treated with organic solvent applied by double vacuum.
5. Unless otherwise approved, all joints shall be formed in accordance with the appropriate recommendations of BS 5268: Part 2.
6. Joints and holes in structural timber will not be permitted unless approved by the engineer.

BRP & ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
17 Forthby Avenue
Stammore
Harrow
Middlesex HA7 2LA
Phone 020 8907 9460 Mob. 07803 627117

Project
24 Hornond Road
Romford RM5 3EP
Drawing Title
Ground Floor And Roof GAS

Rev.	Date	Revision	By

Drawn by	Checked by	Date	Scale
RJE	BP		1:50 @ A1

Dwg. No.	Rev.
BRP-24HR-01	