

GENERAL NOTES

THESE STRUCTURAL DETAILS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS.

FOR SETTING OUT INFORMATION REFER TO THE ARCHITECT'S DETAILS.

ANY DIMENSIONS NOTED WITHIN THE STRUCTURAL DETAILS ARE FOR CALCULATION PURPOSES ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION OR FABRICATION.

IF THE CONTRACTOR IS IN ANY DOUBT AS TO THE STRUCTURAL INTENT OR REQUIRES CLARIFICATION IN RELATION TO ANY DETAILS HE IS TO REQUEST SUCH CLARIFICATION FROM THE ENGINEER.

IF THE CONTRACTOR WOULD LIKE TO SUGGEST ALTERNATIVE STRUCTURAL SOLUTIONS HE SHOULD DISCUSS WITH THE ENGINEER PRIOR TO MAKING ANY CHANGES TO THE PROPOSED DETAILS.

THE CONTRACTOR IS TO ENSURE THAT ALL STRUCTURE IS ADEQUATELY PROPPED AND SHORED BEFORE DEMOLITION WORKS COMMENCE. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE EXISTING STRUCTURE AND IS TO ENSURE THAT ALL NECESSARY PRECAUTIONS ARE TAKEN TO SAFEGUARD THE STABILITY AT ALL TIMES.

IF ANY DETAIL IS FOUND ON SITE TO DIFFER FROM THAT ASSUMED AND INDICATED ON THE DRAWINGS THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

IT IS ASSUMED THAT THE CONTRACTOR IS COMPETENT IN CARRYING OUT THIS TYPE OF WORK AND THAT EXHAUSTIVE DETAIL IS NOT REQUIRED. IF FURTHER STRUCTURAL DETAILS ARE REQUIRED THE CONTRACTOR IS TO REQUEST SUCH DETAILS FROM THE ENGINEER.

FOUNDATIONS NOTES

STRIP FOUNDATIONS ARE ASSUMED TO THE EXISTING PROPERTY. IT IS TO BE CONFIRMED WHETHER ANY UNDERPINNING OF THE EXISTING FOUNDATIONS WILL BE NECESSARY.

AN ALLOWABLE NET INCREASE IN BEARING PRESSURE OF 100kN/m² HAS BEEN ASSUMED IN THE DESIGN.

FOUNDATION DEPTHS TO BE CONFIRMED AND AGREED ON SITE WITH THE BUILDING INSPECTOR.

FOUNDATION CONCRETE TO BE MIN GEN1 MIX AND TO BE MECHANICALLY VIBRATED.

PAD FOUNDATIONS (IF REQUIRED) ARE TO BE CENTRED UNDER LOAD-BEARING PIERS AND COLUMNS.

MASONRY NOTES

ALL MASONRY TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS 5628 PART 1 AND PART 3 AS APPROPRIATE.

BRICKS AND BLOCKS ARE TO BE MANUFACTURED AT LEAST 28 DAYS PRIOR TO USE IN THE WORKS.

BRICKWORK TO BE FORMED USING 20N/mm² BRICKS OF STANDARD FORMAT.

ALL NEW MASONRY WALLS TO BE TOOTHED TOGETHER AT JUNCTIONS.

NEW MASONRY TO BE TOOTHED INTO EXISTING OR TIED TO EXISTING USING AN APPROPRIATE WALL STARTER SYSTEM, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. REFER TO DRAWINGS FOR ANY SPECIFIC REQUIREMENTS.

ALL LOAD-BEARING BLOCKS TO BE 3.6N/mm² MIN STRENGTH UNLESS NOTED OTHERWISE ON THE DRAWINGS.

ENGINEERING BRICKS TO BE MIN CLASS B.

MORTAR MIXES TO BE IN ACCORDANCE WITH BS 5628 PART 3 OR BS 5390.

MORTAR MIX TO BRICKWORK TO BE DESIGNATION CLASS M4.

MORTAR MIX TO BLOCKWORK TO BE DESIGNATION CLASS M4.

MASS CONCRETE PADSTONES SHOULD BE FORMED USING A MINIMUM GRADE C30 CONCRETE TO THE SIZES INDICATED ON THE DRAWINGS.

STEEL BEAMS TO SIT CENTRALLY ON PADSTONES, PIERS AND COLUMNS UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

LOAD-BEARING WALLS SUPPORTED ON STEEL BEAMS ARE TO BE CENTRED ON THE SUPPORTING BEAMS UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

WHERE FIXINGS ARE TO BE MADE INTO MASONRY THEY ARE TO BE POSITIONED AT THE CENTRE OF THE BRICK OR BLOCK AND NOT WITHIN THE MORTAR JOINTS.

PROPRIETARY LINTELS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

CAVITY TRAYS AND DPC TO BE INSTALLED ABOVE ALL NEW OPENINGS WITHIN THE EXTERNAL WALLS, TO THE ARCHITECT'S DETAILS AND SPECIFICATION.

TIMBER NOTES

STRUCTURAL TIMBER TO BE C16 OR C24 AS NOTED ON THE DRAWINGS.

ALL STRUCTURAL TIMBER CONNECTIONS TO BE BOLTED WITH GALVANISED OR SHERARDISED BOLTS AND TOOTHED PLATE CONNECTORS.

WALL PLATES TO BE PROVIDED WITH 30 X 5mm VERTICAL RESTRAINT STRAPS AT 1500mm MAX CRS PLUGGED AND SCREWED TO THE WALLS AND SHOT FIRED TO STEELS.

30 X 5mm LATERAL RESTRAINT STRAPS TO BE PROVIDED TO EXTERNAL WALLS FIXED TO MIN 3 NO. JOISTS AND SUPPORTED BY SW NOGGINS BETWEEN AT 1500mm MAX CRS ALONG THE LINE OF THE FLOOR JOISTS, CEILING JOISTS AND RAFTERS.

NOTCHING AND DRILLING OF ANY STRUCTURAL TIMBER TO BE IN ACCORDANCE WITH NHBC SPECIFICATIONS.

ALL JOISTS TO HAVE SW STRUTTING AT MIDSPAN TIGHTLY WEDGED BETWEEN JOISTS.

IF THE NEW EXTERNAL WALLS ARE TO BE TIMBER FRAME CONSTRUCTION THEY ARE TO BE BUILT WITH MIN C24 50 X 150 VERTICAL STUDS AT A MAX SPACING OF 500mm. MIN 9.5mm PLY OR OSB SHEATHING TO BE FIXED TO ONE SIDE WITH 3mm DIA WIRE NAILS, MIN 50mm LONG AT 150mm CRS TO THE PERIMETER, 300mm CRS INTERNALLY. ALL EDGES OF SHEATHING TO BE SUPPORTED. DOUBLE STUDS TO BE PROVIDED TO TRIM ALL OPENINGS AND AT CORNERS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

INSULATION DETAILS FOR THE NEW EXTERNAL WALLS IS TO THE ARCHITECT'S SPECIFICATION.

NEW EXTERNAL WALLS ARE TO BE SECURELY FIXED TO THE EXISTING GROUND FLOOR MASONRY WALLS BELOW.

STRUCTURAL STEELWORK NOTES

ALL STRUCTURAL STEELWORK TO BE GRADE S275 MILD STEEL (UNLESS NOTED OTHERWISE) IN ACCORDANCE WITH BS 5950 FOR DESIGN, DETAIL AND WORKMANSHIP.

STEELWORK WORKMANSHIP AND MATERIALS ALSO TO BE IN ACCORDANCE WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION, 4th EDITION.

ALL STRUCTURAL STEELWORK TO BE BLAST CLEANED TO Sa 2.5 AND PRIMED WITH 2 COATS OF ZINC PHOSPHATE PRIOR TO ERECTION, UNLESS ENCASED IN CONCRETE. ALL ERECTION DAMAGE TO BE MADE GOOD.

EXISTING STRUCTURE TO BE PACKED UP TIGHT FROM THE TOP FLANGE OF THE SUPPORTING BEAMS WITH SHIMS AND DRY PACK AS NECESSARY TO ENSURE FULL TRANSFER OF LOAD.

ALL STRUCTURAL STEELWORK BUILT INTO AND IN CONTACT WITH THE EXTERNAL WALLS OF THE BUILDING IS TO BE GALVANISED OR IS TO RECEIVE AN ADDITIONAL MIN 2 COATS BITUMINOUS PAINT.

THE STEELWORK FABRICATOR IS TO CHECK ALL DIMENSIONS ON SITE PRIOR TO FABRICATION.

ALL BOLTS TO BE GRADE 8.8 U.N.O.

ALL WELDS TO BE MIN 6mm FULL STRENGTH ALL ROUND U.N.C.

THE STEELWORK CONNECTIONS ARE TO BE DESIGNED BY THE STEELWORK FABRICATOR FOR THE LOADS INDICATED ON THE DRAWINGS. THESE LOADS ARE FACTORED FOR THE ULTIMATE LIMIT STATE IN ACCORDANCE WITH BS 5950.

CONNECTIONS SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY.

STEEL COLUMNS ARE TO BE TIED TO THE ADJACENT MASONRY WITH SUITABLE FRAME TIES OR RESIN FIXINGS AT 450mm VERTICAL CRS STAGGERED EACH SIDE OF THE POST.

STEEL BEAMS TO HAVE FULL BEARINGS AT SUPPORTS, MIN 100mm IN LENGTH (U.N.O).

STEEL COLUMNS ARE TO BE ENCASED IN CONCRETE OR COATED WITH BITUMEN WHERE BELOW GROUND.

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General Notes

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