

STEELWORK NOTES

GENERALLY INTERNAL STRUCTURAL STEELWORK IS TO BE OF GRADE S355JR, AND EXTERNAL STRUCTURAL STEELWORK TO BE OF GRADE S355JO WELDABLE STRUCTURAL STEELS TO BS EN 10025-2, BS EN 10113 AND BS EN 10210 AS APPLICABLE. ALL STEELWORK HAS BEEN DESIGNED TO BS5950:2000.

ALL WELDS TO BE MIN. 6mm FILLET WELDS UNLESS NOTED OTHERWISE. ALL WELDS TO BE CONTINUOUS.

ALL NEW STEELWORK TO BE SHOT BLASTED TO COMMERCIAL GRADE (SWEDISH STANDARD 2.5 BEFORE FABRICATION) ALL IN ACCORDANCE WITH BS 4232, INCLUDING ALL ADDITIONAL FITMENTS. IMMEDIATELY AFTER SHOT BLASTING STEELWORK IS TO BE COATED WITH ONE COAT OF AN APPROVED PRE-FABRICATION PRIMER. AFTER FABRICATION ALL STEELWORK TO BE FINISHED IN ACCORDANCE WITH SPECIFICATION.

UNLESS NOTED OTHERWISE ALL INTERNAL STRUCTURAL STEELWORK IS TO HAVE 75µm OF HIGH BUILD ZINC PHOSPHATE . UNDERCOAT AND TOP COAT FINISH TO ARCHITECTS DETAILS.

ALL STEELWORK CONTAINED PARTIALLY OR TOTALLY IN BRICKWORK/BLOCKWORK CAVITIES TO HAVE 125µm OF HIGH BUILD ZINC PHOSPHATE. PRIMED STEELWORK IN CAVITIES OR ENCASED IN BRICK IS TO BE FURTHER PROTECTED WITH 2 COATS OF BITUMEN PAINT.

ALL FINAL STEELWORK DIMENSIONS SHALL BE DERIVED FROM THE ARCHITECTS FULLY COORDINATED DIMENSIONED DRAWINGS.

ALL WORK IS TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT BS CODES OF PRACTICE, APPROVED BUILDING REGULATIONS AND THE SPECIFICATION.

STRUCTURE IS DESIGNED FOR THE FINAL CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR STABILITY OF THE STRUCTURE AND ADJACENT STRUCTURES IN THE TEMPORARY CONDITION DURING CONSTRUCTION.

ALL CONNECTIONS ARE TO BE DESIGNED BY THE STEELWORK FABRICATOR

HOT ROLLED STEEL SECTIONS TO BE DESIGN GRADE S275 TO BS EN 10025.

BOLTS TO BE GRADE 8.8 TO BS 3692 UNLESS OTHERWISE NOTED.

BOLT ASSEMBLIES (INCLUDING HOLDING DOWN BOLTS) TO BE SHERADIZED TO B.S. 4921 CLASS 1 U.N.O.

PCC NOTES

ALL FINISHES, DPMS, INSULATION, TANKING/WATERPROOFING DETAILS TO ARCHITECTS DETAILS AND SPECIFICATION.

ALL DRAINS (NEW & EXISTING) BENEATH THE GF ARE TO BE EXPOSED AND ENCASED IN MIN 150mm CONCRETE

PRECAST UNITS TO BE ACP CONCRETE 150mm WITH DENSE BLOCKS. BEAM SPACING 525mm MIN. FULL DESIGN CALCULATIONS & DRAWINGS ARE TO BE SUBMITTED TO SUPERVISING AGENT AND SE FOR COMMENT PRIOR TO MANUFACTURE OF UNITS

B&B FLOOR IS TO BE HANDLED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATION & DETAILS.

DESIGN LOADING FOR PCC FLOORS
DEAD:
75mm SCREED 1.8 kN/m²
FINISHES/INSULATION 0.2 kN/m²
SWt PCC UNITS BY SPECIALIST

LIVE:
DOMESTIC 1.5 kN/m²

GENERAL MASONRY NOTES

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

ALL BLOCKWORK IS TO BE OF A MAXIMUM DRY DENSITY OF 1350kg/m³

MORTAR GRADES - CLASS (iii)
BLOCKWORK ABOVE DPC - CLASS (i)
BLOCKWORK BELOW DPC - CLASS (iii)
BRICKWORK ABOVE DPC - CLASS (i)
BRICKWORK BELOW DPC

BLOCKWORK ABOVE DPC LEVEL IS TO BE OF 7.3N/mm² COMPRESSIVE STRENGTH. BLOCKWORK BELOW DPC IS TO BE OF FROST RESISTANT 7.3N/mm² COMPRESSIVE STRENGTH BLOCKS.

ALL BRICKWORK BELOW DPC LEVEL IS TO BE FROST RESISTANT AND BE OF A MINIMUM COMPRESSIVE STRENGTH OF 27.5N/mm²

ALL LINTELS TO HAVE MINIMUM 150mm END BEARINGS, LINTELS MIN 100x215x440 C30 UNO.

HEAD OF CAVITY WALL PARRALLEL TO ROOF JOIST SPAN IS TO BE SECURED TO TIMBER JOISTS/RAFTERS WITH PROPRIETARY GALV STRAPS @ MAX 1750mm CTRS HORIZONTAL LEG TO CROSS 3no RAFTERS.

CONSTRUCTION CONTROL TO BE NORMAL IN ACCORDANCE WITH THE BS 5628 PART

MANUFACTURING CONTROL FOR BRICKS/BLOCKS TO BE SPECIAL IN ACCORDANCE WITH TABLE 1 BS 5628 PART 1.

MORTAR SHALL BE DESIGNATED (III) IN ACCORDANCE WITH TABLE 1 BS 5628 PART 1.

MORTAR SHALL BE TESTED IN ACCORDANCE WITH APPENDIX A1 OF BS 5628. RESULTS TO BE SUPPLIED TO THE STRUCTURAL ENGINEER ON A WEEKLY BASIS.

ALL BLOCKS SHALL BE SOLID TYPE MINIMUM STRENGTH 7N.

ALL INFILLED OPENINGS MADE IN BLOCKWORK TO BE FULLY TIED INTO EXISTING STRUCTURE.

CONCRETE FOR LINTELS TO BE R12 IN 100mm WALLS AND R11 IN 140mm WALLS UNO

FOR CAVITY WALLS LINTELS TO BE CATNIC CG90/100 UNO.

MORTAR BELOW D.P.C. LEVEL SHALL BE CLASS 1 (REFER TO BS EN 998).

MORTAR ABOVE D.P.C. LEVEL SHALL BE CLASS 3 (REFER TO BS EN 998).

BLOCKWORK BELOW D.P.C. SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 10N/MM2.

BLOCKWORK ABOVE D.P.C. SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7N/MM2.

BRICKWORK BELOW D.P.C. SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 27.5N/MM2 AND A WATER ABSORPTION LESS THAN 7%.

BRICKWORK ABOVE D.P.C. LEVEL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 27.5N/MM2 AND A WATER ABSORPTION OF 7% TO 12%.

ALL TOPSOIL, SUBSOIL AND OTHER ORGANIC MATERIALS ARE TO BE REMOVED. MATERIALS SUCH AS HAZARDOUS OR AGGRESSIVE MATERIALS, MATERIALS IN A FROZEN STATE, TIMBER, PLASTER AND GENERAL RUBBISH ARE TO BE REMOVED.

TIMBER NOTES

ALL NEW TIMBER TO BE MIN. GRADE C16 (UNO) TO BS5268-2:2002.

ALL NEW TIMBERS SHALL BE PRESSURE IMPREGNATED WITH AN APPROVED PRESERVATIVE USED IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS. THE PRESERVATIVE MUST HAVE NO EFFECT ON FIXINGS AND CONNECTIONS.

ALL STRUCTURAL TIMBERS TO HAVE A MINIMUM OF 100mm END BEARING.

ALL NEW DOUBLE JOISTS TO BE ADEQUATELY CONNECTED TO ENSURE THEY PERFORM AS A UNIFORM SECTION

ALL PROPRIETARY JOIST HANGERS AND FITTINGS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS.

GENERAL FOUNDATION /CONCRETE NOTES

ALL FINISHES, DPM, DPC, INSULATION, TANKING, WATERPROOFING DETAILS ETC ARE TO THE ARCHITECTS SPECIFICATION AND DETAILS.

ALL FORMATION LEVELS SHALL BE FREE FROM SOFT SPOTS AND DELETERIOUS MATERIAL. THESE ARE TO BE EXCAVATED TO GOOD GROUND AND FILLED WITH HARDCORE TO FORMATION LEVEL.

ALL HARDCORE SHALL BE CLEAN WELL GRADED CRUSHER RUN MATERIAL LAID AND COMPACTED IN 150mm MAX THICK LAYERS.

FOUNDATIONS BASED ON AN ALLOWABLE BEARING PRESSURE OF 75 kN/m2.

EXCAVATIONS ADJACENT TO THE EXISTING BUILDING ARE TO BE UNDERTAKEN WITH CARE TO AVOID UNDERMINING EXISTING FOUNDATIONS.

ANY DISCREPANCIES MUST BE DRAWN TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR.

ALL EXCAVATIONS SHALL BE CARRIED OUT IN A SAFE MANNER, COMPLYING WITH THE REQUIREMENTS OF THE HEALTH & SAFETY REGULATIONS, BS 8000:PART 1 AND ANY LOCAL BY-LAWS.

THE STRUCTURAL ENGINEER IS TO BE INVITED TO INSPECT THE FORMATION OF ALL FOUNDATIONS PRIOR TO CONCRETING. MINIMUM 48HRS NOTICE REQUIRED

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND CO-ORDINATE THE RELEVANT INFORMATION TO ENSURE THAT ALL NECESSARY HOLES, REBATES, DRIPS, TUCKS, EMBEDDED ITEM AND FIXINGS ARE CAST INTO THE CONCRETE AT THE TIME OF POURING.

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FOR PLANS REFER TO
DRAWING SE01

FOR DETAILS REFER TO
DRAWING SE02

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