

GENERAL NOTES

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT, SERVICES, SPECIALISTS DRAWINGS & SPECIFICATIONS.

FOR ALL SETTING OUT WORKS REFER TO THE ARCHITECTS DRAWINGS.

DO NOT SCALE OFF THESE DRAWINGS

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL LEVELS ARE IN METRES & ARE RELATIVE TO LEVELS PROVIDED BY THE ARCHITECT / CLIENT.

ALL WORKS ARE TO COMPLY WITH ALL RELEVANT HEALTH & SAFETY LEGISLATION & REGULATIONS.

ALL DIMENSIONS & DETAILS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR / ARCHITECT PRIOR TO WORKS COMMENCING ON SITE / ORDERING OF MATERIALS / FABRICATION OF STEELWORK.

INSPECTIONS MADE BY THE LOCAL AUTHORITY, NHBC OR OTHER STATUTORY BODIES SHALL BE ARRANGED BY THE CONTRACTOR TO SUIT HIS PROGRAMME.

TEMPORARY WORKS

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN & CONSTRUCTION OF ALL TEMPORARY WORKS REQUIRED TO PROPPING & SHORING AS REQUIRED.

STEELWORK GENERAL NOTES

ALL STEELWORK SHALL BE CE MARKED PRIOR TO DELIVERY & THE QUALITY OF THE FABRICATION SHALL MEET EXECUTION CLASS - EXC2 IN ACCORDANCE WITH BS EN 1090-2

THE MAIN CONTRACTOR SHALL ENSURE THE APPOINTED STEELWORK FABRICATOR HAS AN EXECUTION CLASS EQUAL TO THAT REQUIRED FOR THE PROJECT & CAN DEMONSTRATE THIS THROUGH SUBMISSION OF THEIR FACTORY PRODUCTION CONTROL CERTIFICATE, WELDING CERTIFICATE & DECLARATION OF PERFORMANCE.

ALL DIMENSIONS FOR FABRICATION SHALL BE DETERMINED BY THE STEELWORK FABRICATOR & AGREED AS NECESSARY WITH THE MAIN CONTRACTOR.

ALL STEELWORK TO BE GRADE S355JR TO BS EN 10025, UNLESS STATED OTHERWISE.

ALL STEELWORK PLATES ARE TO BE GRADE S275 TO BS 10025, UNLESS NOTED OTHERWISE.

ALL STRUCTURAL HOLLOW SECTIONS TO BE GRADE S275 JOH TO BS EN 10210, UNLESS NOTED OTHERWISE.

ALL STEELWORK SHALL BE FABRICATED, DELIVERED & ERECTED STRICTLY IN ACCORDANCE WITH BS5950 & THE CURRENT 'NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSULTANCY'.

ALL WELDS TO BE MINIMUM 6mm CONTINUOUS FILLET WELDS.

ALL HOLES FOR BOLTS ARE TO BE DRILLED, PUNCHING OF HOLES IS ONLY PERMITTED PROVIDED THE NOMINAL THICKNESS OF THE COMPONENT IS NOT GREATER THAN THE DIAMETER OF THE HOLE & NOT GREATER THAN 30mm.

ALL ROUGH EDGES & BURRS ARE TO BE REMOVED.

UNLESS NOTED OTHERWISE ALL BOLTS SHALL BE A MINIMUM OF M16 DIAMETER GRADE 8.8 ISOMETRIC TO BS 4190 & SHALL BE SUPPLIED ELECTROPLATED TO BS 4921.

ALL STEELWORK (ENVIRONMENT CATEGORY C2) IS TO RECEIVE SYSTEM NUMBER B3 PROTECTION - BLAST CLEANED TO 2ND QUALITY (SA 2 1/2) & COATED WITH 80 MICRONS OF ZINC PHOSPHATE EPOXY PRIMER, UNLESS NOTED OTHERWISE.

ALL EXTERNAL EXPOSED STEELWORK (ENVIRONMENT CATEGORY C2) IS TO RECEIVE SYSTEM B12 PROTECTION - HOT DIP GALVANISE, MINIMUM 85 MICRONS COATING TO BS EN ISO 1461, STEELWORK TO BE GALVANISED AFTER MANUFACTURE / FABRICATION.

ALL STEELWORK SET INTO CAVITY OF EXTERNAL MASONRY WALL SHALL BE GIVEN A 2 COAT APPLICATION OF HEAVY DUTY BITUMENT PAINT BY THE MAIN CONTRACTOR. EACH COAT SHALL HAVE A MINIMUM DRY FILM THICKNESS OF 100 MICRONS.

THE STEELWORK FABRICATOR SHALL CONFIRM WITH THE ARCHITECT & MAIN CONTRACTOR THAT THE STEELWORK PRIMER IS COMPATIBLE WITH THE PAINT FINISH.

WHERE SPRAYED FIRE PROTECTION SYSTEMS ARE TO BE USED, THE MAIN CONTRACTOR IS TO ENSURE COMPATIBILITY WITH TE PAINT SYSTEM.

AREAS DAMAGED DURING TRANSPORTATION, STORAGE & ERECTION SHALL BE CLEANED DOWN TO BARE METAL & MAED GOOD WITH THE SAME PRIMER USED DURING THE FABRICATION PROCESS.

SEPERATION MEMBRANES SHALL BE EMPLOYED BETWEEN ALL DISSIMILAR METALS WHICH MAY BE SUBJECT TO BI-METAL CORROSION ie NEOPRENE WASHERS AT STAINLESS & GALVANISED STEEL TO MILD STEEL INTERFACES.

WHERE CAST IN BOLTS ARE USED THE WAXED TAPERED BOLT FORMERS TO COLUMN HD BOLTS ARE TO BE REMOVED WHILST THE CONCRETE IS 'GREEN', FOLLOWING WHICH THE TOP OF THE BOLTS SHALL BE ROTATED PRIOR TO FINAL SETTING OF THE CONCRETE TO ENSURE MAXIMUM MOBILITY OF THE HOLDING DOWN BOLTS.

THE STEELWORK FABRICATOR SHALL SUPPLY SUFFICIENT LAMINATED PACKS FOR LEVELING.

ALL COLUMNS ARE TO BE ENCASED IN 100mm OF CONCRETE BETWEEN TOP OF FOUNDATION & TOP OF STRUCTURAL FLOOR SLAB LEVEL.

FOLLOWING THE LEVELING OF COLUMNS, THE SPACE BETWEEN THE TOP OF THE FOUNDATION & THE UNDERSIDE OF THE BASEPLATE IS TO BE COMPLETELY FILLED USING 'FOSROC CONBEXTRA GP' GROUT (OR ACCEPTABLE EQUIVALENT) IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

CONCRETE & REINFORCEMENT

CONCRETE GRADES TO BE IN ACCORDANCE WITH BS EN 206-1, BS 8500-1 & BS 8500-2

LOCATION	DESIGNATED CONCRETE	DESIGN CHEM CLASS	CONSISTENCE CLASS
BLINDING	GEN 1	DS-1 ACEC-1	S3
TRENCH FILL FOOTINGS	FND3	DS-1 ACEC-1	S3
RC GROUND BEAMS	RC32/40	DS-1 ACEC-1	S3
GROUND FLOOR SLAB	RC32/40	DS-1 ACEC-1	S3

CONCRETE TO SLAB TO BE GRADE C35 OPC IN ACCORDANCE WITH BS EN 206-1, WITH MINIMUM CEMENT CONTENT OF 325kg/m³.

MAXIMUM AGGREGATE SIZE TO BE 20mm.

MAXIMUM WATER / CEMENT RATIO NOT TO EXCEED 0.55.

MINIMUM COVER TO REINFORCEMENT TO BE 40mm

ALL CONSTRUCTION JOINTS & POUR SEQUENCES ARE TO BE AGREED PRIOR TO COMMENCEMENT.

FOR TANKING & INSULATION DETAILS REFER TO THE ARCHITECTS / SPECIALIST CONTRACTORS DRAWINGS.

WATERPROOF CONCRETE TO BE USED FOR BASEMENT CONSTRUCTION AS REQUIRED.

ALL SLABS ARE TO BE CURED IN ACCORDANCE WITH THE SPECIFICATION FOR NOT LESS THAN 7 DAYS.

SLAB FINISH TO BE TO ARCHITECTS SPECIFICATIONS.

EXCAVATIONS & EARTHWORKS

GROUND CONDITIONS

THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE NATURE OF THE GROUND BY TRIAL EXCAVATIONS, BOREHOLES OR OTHER MEANS.

ACCEPTABILITY OF FOUNDATION FORMATION SHOULD BE AGREED WITH THE BUILDING INSPECTOR. ANY SOFT SPOTS SHOULD BE REMOVED & REPLACED WITH IMPORTED WELL COMPACTED CLASS 1A GRANULAR FILL TO PROVIDE A MINIMUM ALLOWABLE GROUND BEARING PRESSURE OF 100kN/m².

THE PRESENCE & NATURE OF EXISTING SERVICES & STRUCTURES SHOULD BE CHECKED PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.

ANY UNEXPECTED SITE CONDITIONS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT THE DESIGN CAN BE REVIEWED & ALTERED IF NECESSARY.

GROUND LEVELS

THE CONTRACTOR SHALL SATISFY HIMSELF THAT LEVELS INDICATED ON DRAWINGS ARE CORRECT PRIOR TO DISTURBING ANY EARTH.

SHOULD ANY DIFFERENCES IN LEVELS BE FOUND THE CONTRACTOR & ENGINEER SHALL AGREE REVISED LEVELS PRIOR TO COMMENCEMENT OF WORKS.

UNDERGROUND SERVICES

BEFORE COMMENCEMENT OF THE WORKS THE CONTRACTOR SHALL ASCERTAIN THE LOCATION & NATURE OF ALL EXISTING UNDERGROUND SERVICES & SHALL TAKE EVERY POSSIBLE PRECAUTION TO PREVENT DAMAGE OR INTERFERENCE WITH THESE SERVICES DURING THE EXCAVATION WORKS.

ANY DRAINS, PIPES, CABLE etc EXPOSED DURING THE EXCAVATIONS WHICH ARE NOT IN SERVICE OR REQUIRED TO BE UTILISED FOR THE NEW WORKS AR ANY FUTURE WORK SHALL BE BROKEN OUT & REMOVED OR PROPERLY SEALED.

MASONRY

BRICKS

ALL BRICKS SHALL BE OBTAINED FROM AN APPROVED SOURCE.

FACING BRICKS SHALL BE FREE FROM ALL DELETERIOUS SUBSTANCES & HAVE SHARP, WELL DEFINED ARRISSES. THEY SHALL BE EQUIVALENT IN COLOUR & TEXTURE TO THE SAMPLES SUBMITTED TO THE ARCHITECT FOR APPROVAL.

ENGINEERING BRICKS SHALL COMPLY WITH BS 3921.

BLOCKS

ALL BLOCKS SHALL BE OBTAINED FROM AN APPROVED SOURCE.

PRE-CAST CONCRETE BLOCKS SHALL COMPLY WITH BS 6073.

BLOCKS TO HAVE A 7N/mm² COMPRESSIVE STRENGTH UNLESS NOTED OTHERWISE.

THE FACES OF BLOCKWORK TO BE PAINTED SHALL HAVE A PAINT GRADE FINISH.

THE FACES OF BLOCKWORK TO BE PLASTERED SHALL BE ROUGHENED OR SCORED TO PROVIDE A 'KEY'.

MORTAR

CEMENT SHALL BE ORDINARY PORTLAND CEMENT COMPLYING WITH BS 12.

WALL TIES

WALL TIES SHALL COMPLY WITH BS 1243.

CAVITY WALLS

CAVITY WALL SHALL BE TIED WITH GALVANSIED WALL TIES BUILT IN EVERY FOURTH COURSE AT INTERVALS OF 900mm STAGGERED CENTRES. CAVITIES SHALL BE CONTINUOUS & KEPT CLEAR OF RUBBISH & MORTAR DROPPINGS & SHALL BE SEALED AT THE TOP.

CAVITIES BELOW GROUND SHALL BE FILLED WITH GRADE C7.5 CONCRETE UP TO 150mm BELOW THE DAMP PROOF COURSE.

BONDING

BRICKWORK IN CAVITY WALLS SHALL BE BUILT IN STRETCHER BOND.

JOINTS

JOINTS SHALL BE WORKED TO A FINISH WHILST STILL GREEN AS FOLLOWS -

EXTERNAL FACE - WEATHER STRUCK
INTERNAL FAIR FACE - FLUSH
INTERNAL FOR PLASTERING - RAKED

WORK IN COLD OR HOT WEATHER

BRICKWORK & BLOCKWORK SHALL NOT BE CARRIED OUT IN FROSTY OR HOT WEATHER UNLESS PRECAUTIONS ARE TAKEN TO PROTECT THE WORK.

TIMBER

TIMBER TO BE GRADE C16 UNLESS STATED OTHERWISE.

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AOC HAVERHILL				
COVERED STORAGE BUILDING				
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