

GENERAL NOTES

1.
- DO NOT SCALE THIS DRAWING, WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN MILLIMETERS (mm), ALL LEVELS IN METRES (m).
2.
- SETTING OUT TO ARCHITECT'S DRAWINGS
3.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS & SPECIALISTS DRAWINGS & SPECIFICATIONS.
4.
- WORKS TO COMPLY WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICES, EUROCODES AND THE BUILDING REGULATIONS.
5.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL INTEGRITY OF THE WORKS AT ALL TIMES BY THE PROVISION OF ADEQUATE TEMPORARY WORKS.
6.
- DESIGNS HAVE BEEN CARRIED OUT TO COMPLY WITH ALL THE RELEVANT EUROCODES AND BRITISH STANDARDS

PRINCIPAL CONTRACTOR NOTES

1.
- CONTRACTOR TO CHECK AND CONFIRM ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORKS.
2.
- ANY DISCREPANCIES BETWEEN THE ENGINEERS DRAWINGS AND SITE CONDITIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING.
3.
- THE CONTRACTOR SHALL ENSURE THAT STABILITY OF THE BUILDING AND ADJACENT PREMISES IS MAINTAINED AT ALL STAGES OF CONSTRUCTION.
4.
- COMPETENT SPECIALIST SUB-CONTRACTORS SHALL DESIGN, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS AND PROGRAM THE JOB ACCORDINGLY IN A SAFE MANNER. PROPOSALS ARE TO BE SENT TO THE STRUCTURAL ENGINEER FOR COMMENT.
5.
- THE CONTRACTOR MUST PROTECT ALL DRAINAGE /GAS / WATER AND ELECTRICAL SERVICES WITHIN THE AREAS OF WORKING. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED SERVICES AND FOR MAKING GOOD ANY AFFECTED AREAS AS A RESULT OF DAMAGED SERVICES.

FOUNDATIONS

1.
- ALL FOUNDATIONS TO BE EXCAVATED TO DEPTHS DETERMINED BY SITE CONDITIONS, TO A FIRM BEARING STRATA AND BE INSPECTED BY THE BUILDING CONTROL OFFICER PRIOR TO CONCRETE BEING POURED. SHOULD ANY ADVERSE SOIL CONDITIONS BE FOUND OR ANY MAJOR TREE ROOTS IN EXCAVATIONS, THE BUILDER INSPECTOR IS TO BE CONTACTED AND THE ADVICE OF A STRUCTURAL ENGINEER SHOULD BE SOUGHT.
2.
- DURING EXCAVATIONS THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PREVENT SOFTENING OF THE EXCAVATION BASE BY GROUND WATER. WHERE NECESSARY THE CONTRACTOR SHALL ALSO ENSURE THAT THE BASE OF THE EXCAVATION SHALL NOT BECOME CONTAMINATED BY LOOSE MATERIAL FALLING INTO THE EXCAVATION.
3.
- FOUNDATION DEPTH ON SHRINKABLE CLAYS TO BE CAREFULLY CONSIDERED TO AVOID FUTURE PROBLEMS, INCREASE FOUNDATION DEPTH ABOVE THE STANDARD REQUIREMENTS IF THERE IS A RISK. THIS SHOULD BE IN ACCORDANCE WITH THE NHBC STANDARDS, CHAPTER 4.2 GUIDANCE ON BUILDING NEAR TREES. FOUNDATIONS DEPTH TO BE CHECKED AND AGREED WITH THE BUILDING INSPECTOR ON SITE.
4.
- CONCRETE MIX TO CONFORM TO BS EN 206-1 AND BS 8500-2. ALL FOUNDATIONS TO BE A MINIMUM OF 1000mm BELOW GROUND LEVEL U.N.O, EXACT DEPTH TO BE AGREED ON SITE WITH BUILDING CONTROL OFFICER TO SUIT SITE CONDITIONS. ALL CONSTRUCTED IN ACCORDANCE WITH 2010 BUILDING REGULATIONS A1/2 AND BS8400:2015 CODE OF PRACTICE FOR FOUNDATIONS.
5.
- ALL FOUNDATIONS ARE TO BE CENTRAL ON WALLS UNLESS NOTED OTHERWISE, FOR SETTING OUT OF WALLS REFER TO ARCHITECTS LAYOUTS.
6.
- UNDER FLOOR VOIDS BELOW GROUND LEVEL SHOULD BE VENTILATED AND LAID TO FALLS TO ALLOW FOR REMOVAL OF GROUND WATER OR TANKING SHOULD BE PROVIDED TO ARCHITECTS DETAILS.
7.
- FOUNDATIONS HAVE BEEN DESIGNED FOR A SAFE G.B.P. OF 75KN/M². ALL EXCAVATIONS TO BE INSPECTED BY ENGINEER/BUILDING CONTROL OFFICER ON SITE BEFORE PLACING CONCRETE.
8.
- ALL STEELWORK BELOW GROUND LEVEL TO BE CASED IN MIN 100MM THICK C30 CONCRETE WITH A MIN CEMENT CONTENT OF 270KG/M³ AND W/C RATIO MAX 0.5.

CONCRETE NOTES

1.
- CONCRETE MIX IS TO BE MINIMUM REQUIRED FOR BS8110 AND BRE SPECIAL DIGEST1:2005
CONCRETE GRADES TO BE AS FOLLOWS -
CONCRETE BLINDING & MASS CONCRETE FILL -C20 (180KG/M3/)
BURIED MASS CONCRETE (MASS BASES & STRIPS FOOTINGS) - C30 (275KG/M3/)
RC SLAB WITH FINISHES -C35 (330KG/M3/)
MAX. WATER CEMENT RATIO OF 0.55
DRY PACK TO 1:2 CEMENT SAND MIX.
2.
- 50mm MASS CONCRETE BLINDING REQUIRED TO U/S OF ALL IN-SITU R.C. FOUNDATIONS ONLY.
3.
- CONTRACTOR TO ENSURE ALL ADJACENT SERVICES, BUILDINGS AND SITE ARE NOT UNDERMINED BY THE WORKS.

STEELWORK NOTES

ALL STEELWORK TO BE TO BE HOT ROLLED GRADE S355 JR, AND ALL TUBULAR STEELWORK TO BE S355JR TO BS EN 10025 UNLESS NOTED OTHERWISE ON THE DRAWINGS. FABRICATION AND ERECTION OF STEELWORK TO COMPLY WITH THE RELEVANT SECTIONS OF THE EUROCODES AND "THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION (NSSS 5th Edition)". FABRICATED STRUCTURAL STEELWORK SHALL COMPLY WITH EXECUTION CLASS EXC2 IN ACCORDANCE WITH BS EN 1090-1&2 METALS OF DIFFERENT CHEMICAL COMPOSITION SHALL BE SEPARATED BY AN ISOLATING MEMBRANE.

ANY STAINLESS STEEL OR GALVANISED/MILD STEEL INTERFACES TO BE INSULATED USING NEOPRENE ISOLATING WASHERS / TAPE OR EQUIVALENT APPROVED STEELWORK BELOW GROUND LEVEL TO BE ENCASED IN AT LEAST 100 mm OF CONCRETE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND PROVIDE ALL NECESSITY TEMPORARY PROPPING TO ENSURE THAT THE STRUCTURAL INTEGRITY OF THE DWELLING IS MAINTAINED AT ALL TIMES. MILD STEEL SHIMS TO BE RAMMED IN TIGHT BETWEEN TOP FLANGE OF STEEL AND UNDERSIDE OF STRUCTURE ABOVE TO ENSURE FULL LOAD TRANSFER IS ACHIEVED PRIOR TO THE REMOVAL OF ANY TEMPORARY PROPPING.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR THE FIRE PROTECTION.

ALL BOLT GARDE 8.8 UNLESS NOTED. ALL WELDS 8mm CFW UNLESS NOTED

BOLTS:- (I) EXTERNAL STEELWORK - USE HOT SPUN GALVANIZED BOLTS (II) INTERNAL STEELWORK - USE SHERARDIZED BOLTS TO BS 7371.
SITE APPLY FINAL COATS TO ALL BOLTS IN ACCORDANCE WITH MAIN MEMBER SPECIFICATION.

STEEL CONNECTION DESIGN AND DETAILING IS THE RESPONSIBILITY OF THE STEEL FABRICATOR. FINAL CALCULATIONS AND DRAWINGS ARE TO BE PROVIDED TO THE STRUCTURAL ENGINEER FOR REVIEW.

ALL CONNECTION PLATES TO BE A MINIMUM OF 10mm THICK DESIGNED IN ACCORDANCE WITH BS EN 1993-1-1 USING 8mm FULL PROFILE CONTINUOUS FILLET WELDS.

UNLESS NOTED STEEL IS TO BLAST CLEAN POST FABRICATION TO GRADE SA 21/2, PRIMED WITH EPOXY ZINC PHOSPHATE TO 75 MICRON DFP. ANY DAMAGE TO THE PRIMER DURING HANDLING OR ERECTION TO BE MADE GOOD WITH THE SAME PRIMER BY BRUSH TO THE SAME THICKNESS. STEELWORK LOCATED IN THE CAVITY OR BELOW DPC TO BE SUITABLY PROTECTED WITH 2 COATS OF BITUMINOUS PAINT.

ALL STEEL BEAMS SEATED ON MASONRY TO HAVE CONCRETE PADSTONES BENEATH BEAMS ENDS. PADSTONES BASED ON ENGINEERING CALCULATIONS AND TO MATCH WIDTH OF WALL. CONCRETE TO ALL PADSTONES TO HAVE A MINIMUM STRENGTH OF 20 N/mm2, STEEL BEAMS TO HAVE A MINIMUM END BEARING OF 200mm WHERE SPAN OF BEAM IS PARALLEL TO WALL UNLESS NOTED OTHERWISE ON THE DETAILS.

THIS PROJECT REQUIRES THE INTRODUCTION OF HEAVY STRUCTURAL ELEMENTS SUCH AS STEEL BEAMS OR CONCRETE LINTELS, ALTHOUGH THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATION 1994 WOULD NOT NORMALLY APPLY TO THIS TYPE OF CONSTRUCTION, THE DESIGNS STILL HAS AN OBLIGATION TO FORESEE RISKS AND BRING TO THE ATTENTION OF THE BUILDER SUCH RISKS, IN CONSEQUENCE, THE BUILDER IS TO TAKE INTO CONSIDERATION THE PLACEMENT OF ALL STRUCTURAL ELEMENTS, ENSURING THAT THE METHOD OF LIFTING AND PLACEMENT IS SAFELY CARRIED OUT. RESPONSIBILITY FOR THESE ELEMENTS LIES WITH THE CONTRACTOR. SPLICE DETAILS FOR LONG-SPAN BEAMS CAN OFTEN BE ACCOMMODATED IF REQUIRED.

PADSTONES

1.
- PROVIDE MASS CONCRETE PADSTONES WHERE STEEL BEAMS ARE SUPPORTED UPON NEW AND EXISTING MASONRY.
2.
- CONFIRM EXACT SIZE REQUIRED ON SITE. DO NOT REDUCE PADSTONE SIZE UNLESS REFERRED TO BDI. PADSTONES TO BE CAST FROM C28/35 DESIGNED MIX TO BS EN 206-1:2000

LINTELS

1.
- INSTALL NEW LINTELS IN NEW AND EXISTING WALLS AS SPECIFIED. LINTELS TO BE INSULATED AND GALVANISED STEEL TO EXTERNAL CAVITY WALLS U.N.O. INTERNAL LINTELS TO BE PROPRIETARY AS SPECIFIED UNLESS OTHERWISE STATED.
2.
- ALL LINTELS TO BE PROVIDED WITH MIN END BEARING OF 150mm.

STABILITY NOTE:

1.
- WALLS TO BE TEMPORARILY SUPPORTED BY SCAFFOLDING CAPABLE OF RESISTING WIND LOADING UNTIL THE FIRST FLOOR & ROOF ARE IN PLACE & GMS L STRAP TIES AS DETAILED ON A SEPARATE DRAWING
2.
- UNTIL THE ROOF STRAPPING IS INSTALLED THIS WALL IS POTENTIALLY UNSTABLE IF SCAFFOLDING IS NOT ADEQUATELY DESIGNED BY THE SPECIALIST CONTRACTOR

WALL STARTER:

USE ANCON 36/8 WALL EXTENSION SYSTEM WITH STAINLESS STEEL TIES AS ANCON TYPE PP36, WITH PROPRIETARY PLASTIC DE-BONDING SLEEVES OR SIMILAR APPROVED. TIE SPACING IN STANDARD MASONRY WALLS AT 450MM CENTRES VERTICALLY, UNLESS NOTED OTHERWISE. TIES TO HAVE 100MM MINIMUM EMBEDMENT INTO MASONRY. CHANNEL TO BE PLUGGED AND SCREWED TO EXISTING MASONRY. MOVEMENT JOINT AGAINST EXISTING WALL

MASONRY NOTES

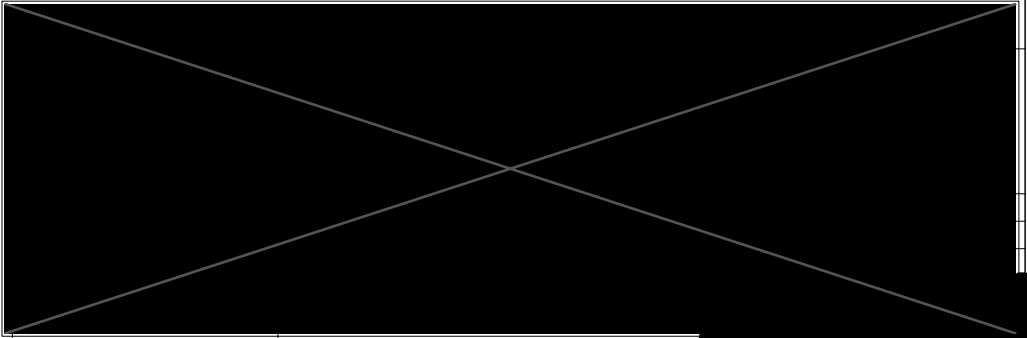
1.
- GENERALLY BLOCKWORK ABOVE GROUND TO CONFORM TO THE FOLLOWING:

-MINIMUM DENSITY = 730 Kg/m³
-MINIMUM STRENGTH = 7.3 N/mm²
- MORTAR STRENGTH = M4 (iii).
2.
- MASONRY BELOW GROUND LEVEL TO BE EITHER NON FROST SUSCEPTIBLE BLOCKWORK WITH A MINIMUM COMPRESSIVE STRENGTH OF 7.3 N/mm², OR CLASS B ENGINEERING BRICKWORK, BOTH IN CLASS M12 (i) MORTAR.
3.
- WALL TIES / HEAD RESTRAINTS ARE REQUIRED WHERE MASONRY WALLS ARE LOCATED:

- UNDER STEEL BEAMS
4.
- ALLOWANCE TO BE MADE FOR LINTELS TO DOOR/WINDOW OPENINGS.
5.
- POSITION OF VERTICAL MOVEMENT JOINTS IN OUTER LEAF EXTERNAL PANELS SHALL BE COORDINATED WITH THE ARCHITECT AND ANY SPECIALIST SUBCONTRACTOR DESIGN INPUT. MOVEMENT JOINTS SHOULD BE PROVIDED AT NOT MORE THAN 6m CENTRES IN BLOCKWORK WALLS WITH 10mm TIED AND SEALED VERTICAL JOINT

TIMBER NOTES

1.
- ALL NEW TIMBER WITHIN THE ROOF SPACE AND FIRST FLOORS TO BE TREATED TIMBER. JOIST ENDS OR ENDS OF OTHER MEMBERS BEARING ON AN EXTERNAL WALL SHOULD ALSO BE TREATED.
2.
- MINIMUM BEARING OF JOISTS AT SUPPORT TO BE 100mm.
3.
- FLOOR AND CEILING FINISHES TO ARCHITECTS DETAILS.
4.
- CONTRACTOR TO AVOID NOTCHING JOISTS AND RAFTER.
5.
- ALL NEW TIMBER TO BE STRENGTH GRADED TO BS EN 518 AND 519. TIMBER SHOULD DISPLAY GRADING. USE ONLY STRUCTURAL GRADE TIMBER FOR STRUCTURAL ELEMENTS. THE REQUIRED MINIMUM STRENGTH CLASS IS INDICATED UPON THE RELEVANT PLANS DETAILS AND NOTES.
6.
- WHERE NEW FLOOR JOISTS SPAN PARALLEL TO EXTERNAL WALL PROVIDE LATERAL RESTRAINT BETWEEN TWO ELEMENTS BY FIXING 1200mm lg 30x5mm GALVANISED STEEL STRAPS AT 1.2m CTRS. ACROSS OUTER 3 JOISTS & INTO INNER LEAF OF WALL.
7.
- ALL STEELWORK TO BE AS TIGHT AS POSSIBLE UNDER TIMBER JOISTS. PACK BETWEEN STEEL AND TIMBER JOISTS WITH HARDWOOD PACKERS.
8.
- ALL NEW TIMBER FLOOR JOISTS & ROOF RAFTERS TO BE @ MAX 400 C/C.
9.
- ALL ROOF TIMBER TO BE FIXED USING TRUSS CLIPS OR SIMILAR GMS METAL FIXINGS TO A MIN 100X50 [C16] WALL PLATE, TIED TO WALL USING 30X5 GMS L STRAPS, AT MIN 1.5M C/S EXTENDING DOWN THE WALL MIN 1.0M, TO PREVENT UPLIFT.
10.
- PROVIDE TIMBER NOGGINS AT MID SPAN OR NO GREATER THAN 2.4M C/S TO ALL FLOOR OR ROOF JOISTS WHERE SPANS ARE GREATER THAN 2.4m.
11.
- TRUSS SUPPLIER TO INCLUDE DESIGN/SUPPLY OF ALL THE LOOSE TIMBER RAFTERS WITHIN THE MAIN ROOF PACKAGE.



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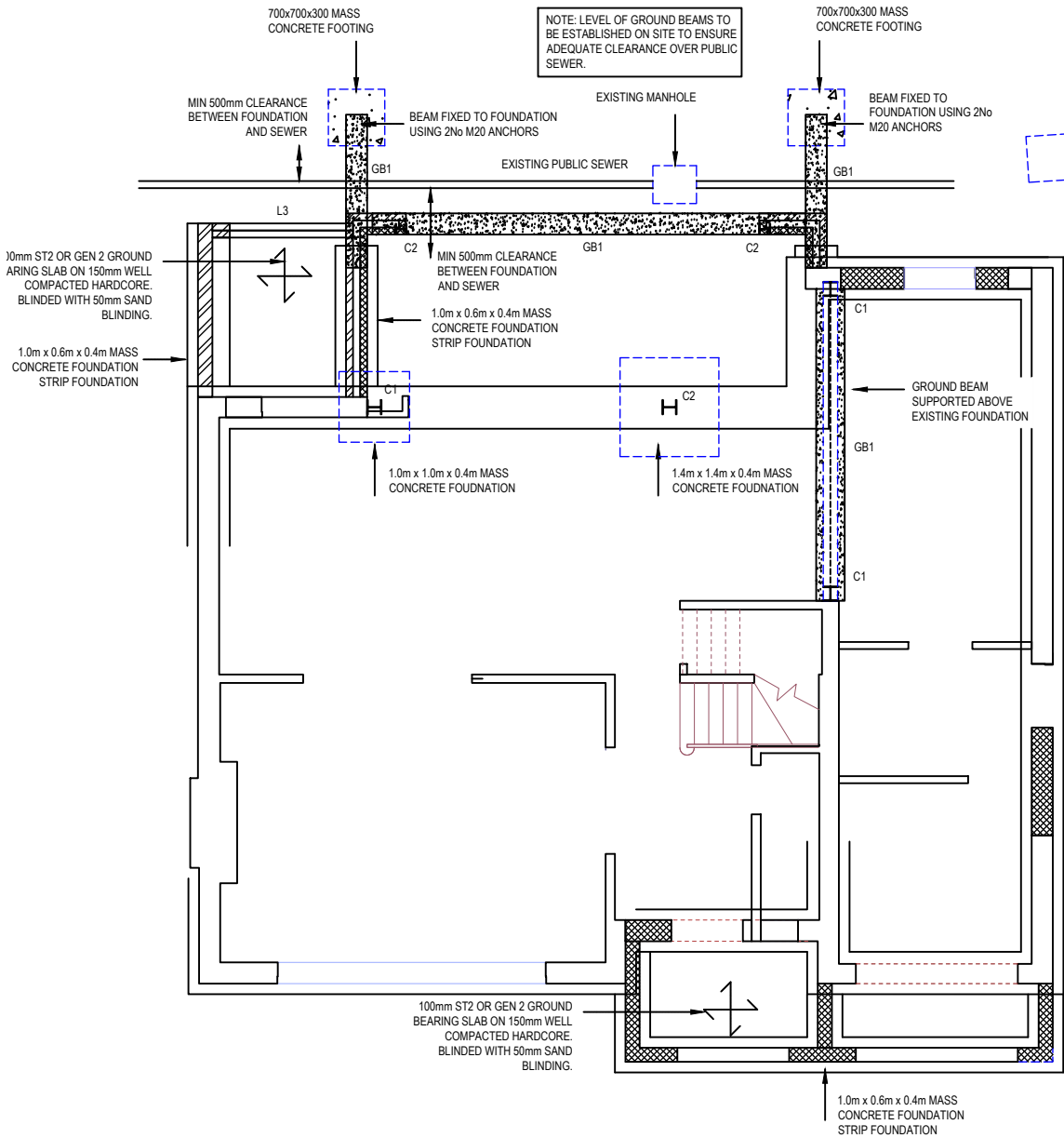
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- ALL SITE PARTICULARS, DIMENSIONS AND LEVELS OF EXISTING STRUCTURE TO BE CHECKED ON SITE WITH THE DRAWINGS BY THE CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF THE TEMPORARY WORKS.
- ALL PROPRIETARY FIXINGS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT EDITION OF THE BUILDING REGULATIONS AND TO THE SATISFACTION OF THE LOCAL AUTHORITY BUILDING CONTROL PRIOR TO START WORK ON SITE. ANY WORK DONE WITHOUT BUILDING CONTROL APPROVAL IS AT CONTRACTOR RISK.
- ALL EXCAVATIONS FOR FOUNDATIONS ARE SUBJECT TO INSPECTION AND APPROVAL BY THE BUILDING CONTROL OFFICER PRIOR TO CASTING OF CONCRETE.
- ALL SETTING OUT, DPM, FIRE PROTECTION, TANKING & WATERPROOFING TO ARCHITECTS DETAILS.
- FOR STRUCTURAL NOTES REFER TO DRAWING NO. 1000.

HEALTH & SAFETY

- THE ENGINEER HAS DESIGNED AND DETAILED ALL PERMANENT STRUCTURAL WORK TO ENSURE STABILITY OF ALL PARTS OF THE COMPLETED STRUCTURE AND THE ENGINEER HAS SATISFIED HIMSELF AS TO THE GENERAL FEASIBILITY OF CARRYING OUT THE ALTERATIONS BUT HAS NOT SPECIFIED OR EXAMINED THE MEANS OR SEQUENCE OF CARRYING OUT THE WORKS. THE GENERAL CONTRACTOR IS TO BE FULLY RESPONSIBLE FOR THE STABILITY OF THE BUILDING AT ALL TIMES DURING CONSTRUCTION AND FOR PROVIDING ALL RIGID SUPPORTS, NEEDLING AND PROPPING AS NECESSARY. THE CONTRACTOR IS DEEMED TO HAVE INCLUDED FOR DESIGN BY COMPETENT PERSONS OF ALL TEMPORARY SUPPORT REQUIRED TO SAFELY EXECUTE THE WORKS IN ACCORDANCE WITH BS5975:1996. ALL SUPPORT IS TO BE TAKEN OFF A RIGID FLOOR, WALL OR FOUNDATION. THE WORKS ARE TO INCLUDE FOR PROVIDING SUCH A FOUNDATION WHERE REQUIRED.
- THE CONTRACTOR IS DEEMED TO HAVE INCLUDED FOR DESIGN BY COMPETENT PERSONS OF ALL TEMPORARY SUPPORT REQUIRED TO SAFELY EXECUTE THE WORKS IN ACCORDANCE WITH BS5975:1996. ALL SUPPORT IS TO BE TAKEN OFF A RIGID FLOOR, WALL OR FOUNDATION. THE WORKS ARE TO INCLUDE FOR PROVIDING SUCH A FOUNDATION WHERE REQUIRED.
- WEIGHT OF MANUAL LIFTING NOT TO EXCEED 20 KG PER BLOCK/STONE. USE MECHANICAL PLANT/GENIE IF REQUIRED
- NO SITE WELDING OR CUTTING WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER
- STEELWORK IS TO BE LIFTED IN POSITION USING GENIE OR SIMILAR MECHANISED LIFTING EQUIPMENT AND NOT MANHANDLED

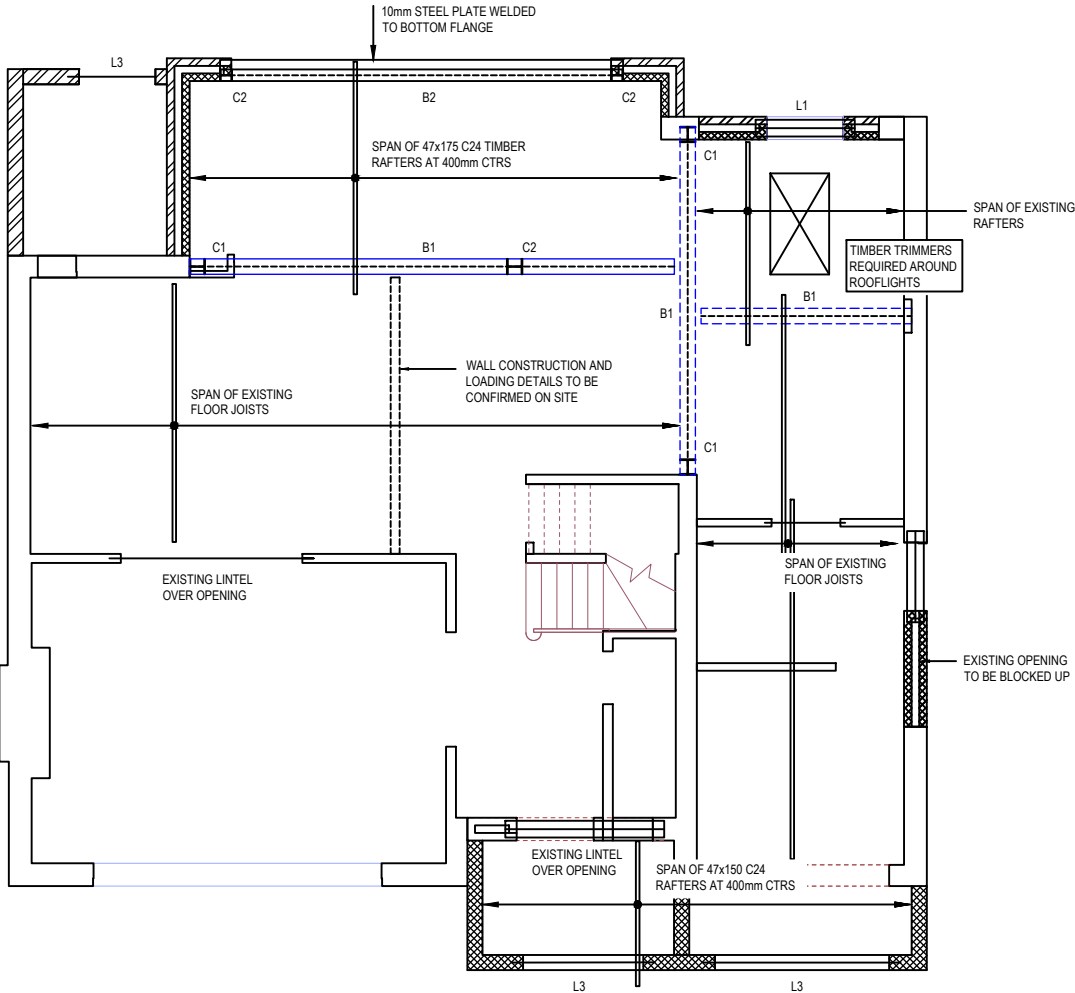
NOTE:

- STEELWORK FABRICATOR TO UNDERTAKE MEASURE SURVEY ON SITE TO DETERMINE LENGTH OF STEEL BEAMS & COLUMN HEIGHT REQUIRED PRIOR TO ORDERING/PRODUCTION OF FABRICATION DRAWINGS.
- THICKNESS OF WALL CONSTRUCTION AT NEW OPENING POSITIONS TO BE CONFIRMED PRIOR TO ORDERING THE STEEL BEAM AND ADVISED ENGINEER AS REQUIRED.



FOUNDATION GENERAL ARRANGEMENT PLAN

(Scale 1:50)



GROUND FLOOR GENERAL ARRANGEMENT PLAN

(Scale 1:50)

BEAM SCHEDULE	
Ref:	Member Size:
B1	UC 203 x 203 x 46
B2	UC 152 x 152 x 37
B3	UB 152 x 89 x 16
B4	UB 203 x 133 x 25
GB1	UB 203 x 203 x 46 ENCASED WITH 100mm CONCRETE WRAPPED WITH D49 FABRIC MESH

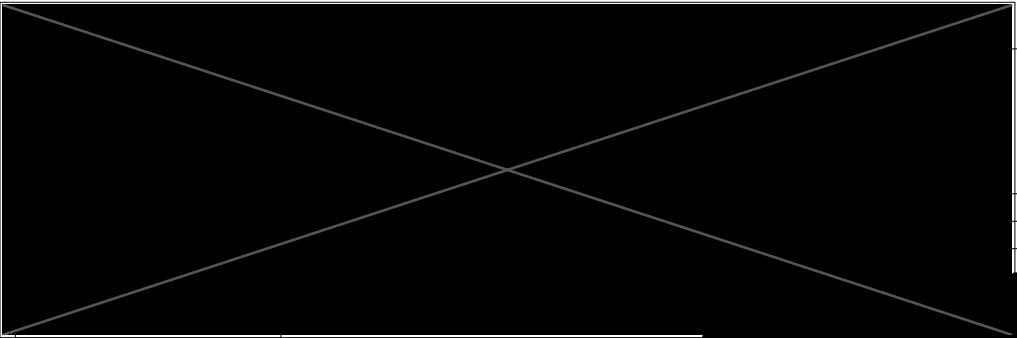
COLUMN SCHEDULE	
Ref:	Member Size:
C1	UC 203x203x46
C2	UC 152x152x37

LINTEL SCHEDULE	
Ref:	Member Size:
L1	CATNIC CG90/100 CAVITY WALL LINTEL
L2	2No. 100x65 CONCRETE LINTELS
L3	CATNIC CN71A EXTERNAL SOLID WALL LINTEL

PADSTONE SCHEDULE	
Ref:	Member Size:
PS1	330x140x100 CONCRETE PADSTONE

LINTEL END BEARING
MIN. 150MM END BEARING AT EACH END OR TO
MANUFACTURER REQUIREMENTS

TRIMMERS TO BE FORMED USING DOUBLED JOISTS
BOLTED TOGETHER USING M12 GRADE 8.8 BOLTS @
450 C/C



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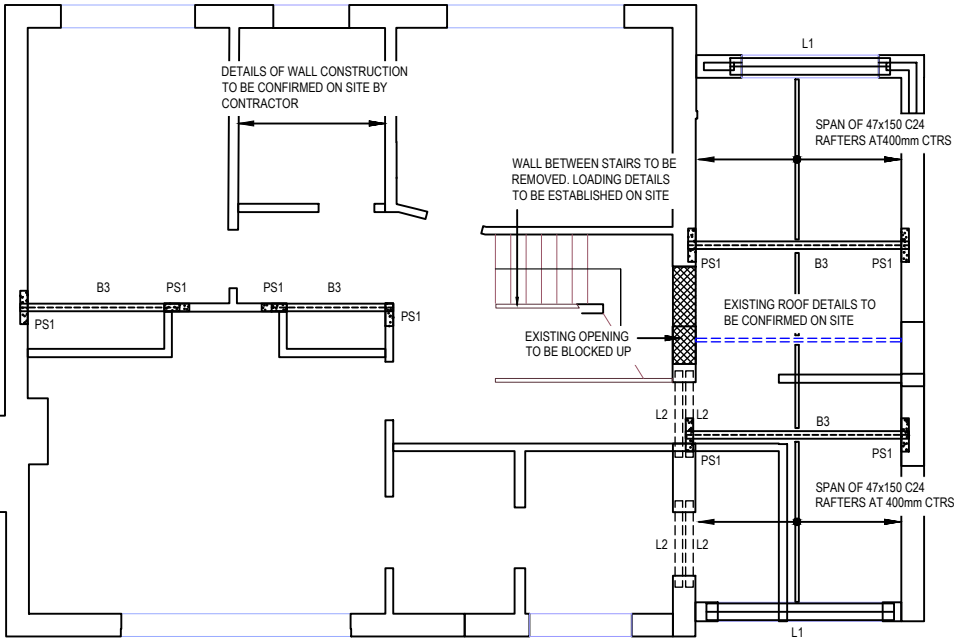
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- ALL EXCAVATIONS FOR FOUNDATIONS ARE SUBJECT TO INSPECTION AND APPROVAL BY THE BUILDING CONTROL OFFICER PRIOR TO CASTING OF CONCRETE.
- ALL SETTING OUT, DPM, FIRE PROTECTION, TANKING & WATERPROOFING TO ARCHITECTS DETAILS.
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HEALTH & SAFETY

- THE ENGINEER HAS DESIGNED AND DETAILED ALL PERMANENT STRUCTURAL WORK TO ENSURE STABILITY OF ALL PARTS OF THE COMPLETED STRUCTURE AND THE ENGINEER HAS SATISFIED HIMSELF AS TO THE GENERAL FEASIBILITY OF CARRYING OUT THE ALTERATIONS BUT HAS NOT SPECIFIED OR EXAMINED THE MEANS OR SEQUENCE OF CARRYING OUT THE WORKS. THE GENERAL CONTRACTOR IS TO BE FULLY RESPONSIBLE FOR THE STABILITY OF THE BUILDING AT ALL TIMES DURING CONSTRUCTION AND FOR PROVIDING ALL RIGID SUPPORTS, NEEDLING AND PROPPING AS NECESSARY. THE CONTRACTOR IS DEEMED TO HAVE INCLUDED FOR DESIGN BY COMPETENT PERSONS OF ALL TEMPORARY SUPPORT REQUIRED TO SAFELY EXECUTE THE WORKS IN ACCORDANCE WITH BS5975:1996. ALL SUPPORT IS TO BE TAKEN OFF A RIGID FLOOR, WALL OR FOUNDATION. THE WORKS ARE TO INCLUDE FOR PROVIDING SUCH A FOUNDATION WHERE REQUIRED.
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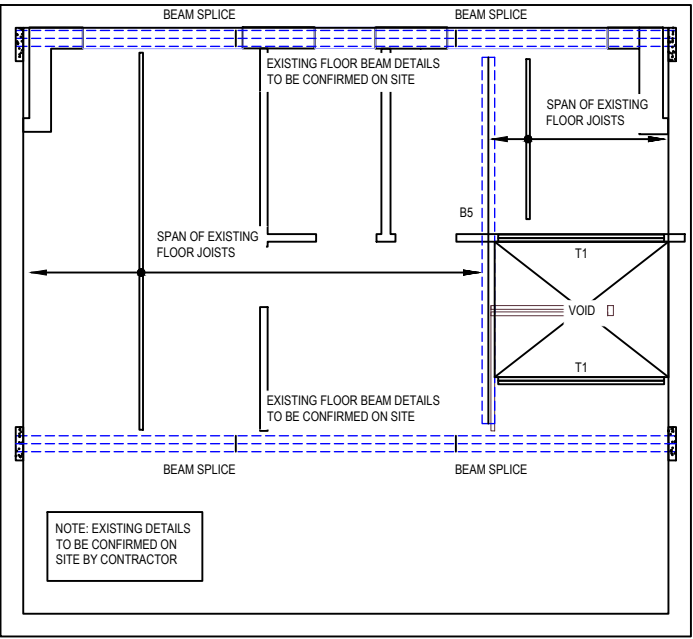
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- THICKNESS OF WALL CONSTRUCTION AT NEW OPENING POSITIONS TO BE CONFIRMED PRIOR TO ORDERING THE STEEL BEAM AND ADVISED ENGINEER AS REQUIRED.



FIRST FLOOR GENERAL ARRANGEMENT PLAN

(Scale 1:50)



LOFT FLOOR GENERAL ARRANGEMENT PLAN

(Scale 1:50)

BEAM SCHEDULE

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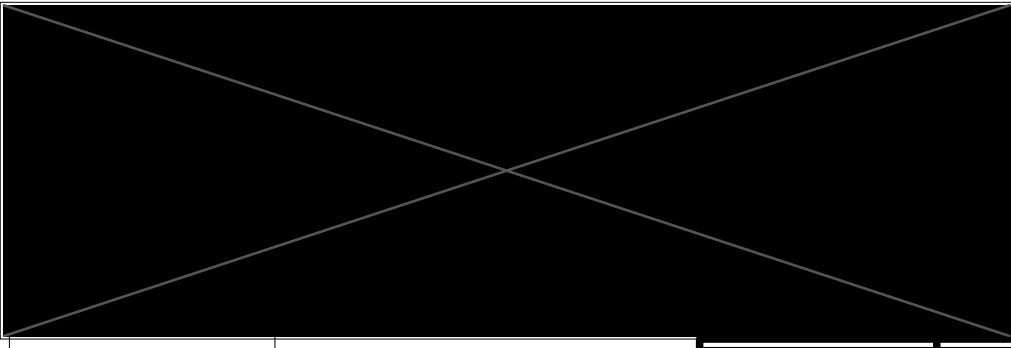
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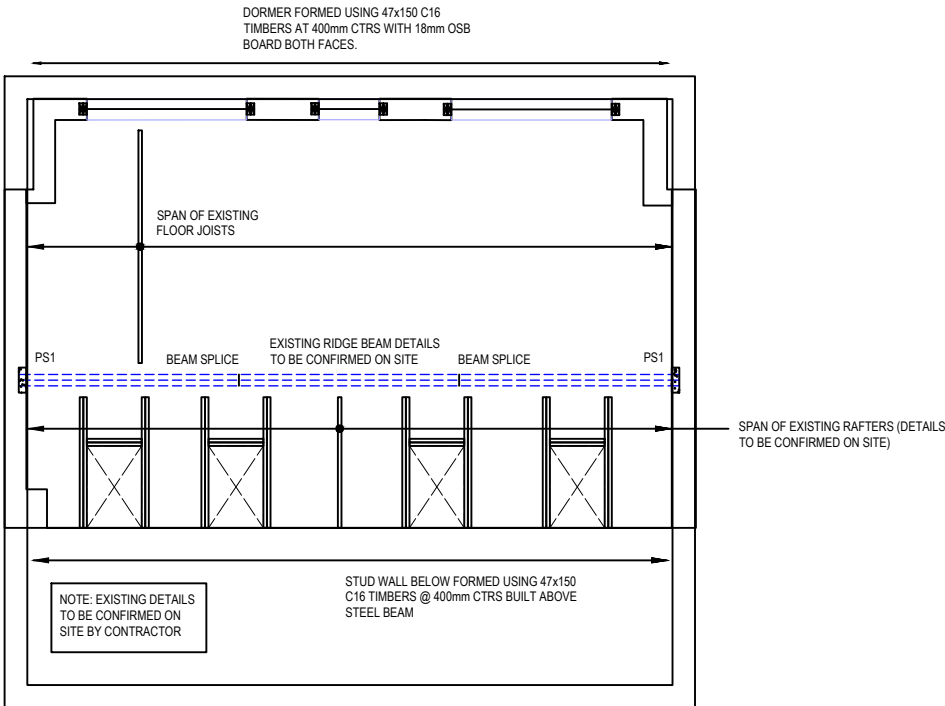
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HEALTH & SAFETY

1. THE ENGINEER HAS DESIGNED AND DETAILED ALL PERMANENT STRUCTURAL WORK TO ENSURE STABILITY OF ALL PARTS OF THE COMPLETED STRUCTURE AND THE ENGINEER HAS SATISFIED HIMSELF AS TO THE GENERAL FEASIBILITY OF CARRYING OUT THE ALTERATIONS BUT HAS NOT SPECIFIED OR EXAMINED THE MEANS OR SEQUENCE OF CARRYING OUT THE WORKS. THE GENERAL CONTRACTOR IS TO BE FULLY RESPONSIBLE FOR THE STABILITY OF THE BUILDING AT ALL TIMES DURING CONSTRUCTION AND FOR PROVIDING ALL RIGID SUPPORTS, NEEDLING AND PROPPING AS NECESSARY. THE CONTRACTOR IS DEEMED TO HAVE INCLUDED FOR DESIGN BY COMPETENT PERSONS OF ALL TEMPORARY SUPPORT REQUIRED TO SAFELY EXECUTE THE WORKS IN ACCORDANCE WITH BS5975:1996. ALL SUPPORT IS TO BE TAKEN OFF A RIGID FLOOR, WALL OR FOUNDATION. THE WORKS ARE TO INCLUDE FOR PROVIDING SUCH A FOUNDATION WHERE REQUIRED.
2. THE CONTRACTOR IS DEEMED TO HAVE INCLUDED FOR DESIGN BY COMPETENT PERSONS OF ALL TEMPORARY SUPPORT REQUIRED TO SAFELY EXECUTE THE WORKS IN ACCORDANCE WITH BS5975:1996. ALL SUPPORT IS TO BE TAKEN OFF A RIGID FLOOR, WALL OR FOUNDATION. THE WORKS ARE TO INCLUDE FOR PROVIDING SUCH A FOUNDATION WHERE REQUIRED.
3. WEIGHT OF MANUAL LIFTING NOT TO EXCEED 20 KG PER BLOCK/STONE. USE MECHANICAL PLANT/GENIE IF REQUIRED
4. NO SITE WELDING OR CUTTING WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER
5. STEELWORK IS TO BE LIFTED IN POSITION USING GENIE OR SIMILAR MECHANISED LIFTING EQUIPMENT AND NOT MANHANDLED

NOTE:

1. STEELWORK FABRICATOR TO UNDERTAKE MEASURE SURVEY ON SITE TO DETERMINE LENGTH OF STEEL BEAMS & COLUMN HEIGHT REQUIRED PRIOR TO ORDERING/PRODUCTION OF FABRICATION DRAWINGS.
2. THICKNESS OF WALL CONSTRUCTION AT NEW OPENING POSITIONS TO BE CONFIRMED PRIOR TO ORDERING THE STEEL BEAM AND ADVISED ENGINEER AS REQUIRED.



ROOF GENERAL ARRANGEMENT PLAN

(Scale 1:50)

BEAM SCHEDULE

Ref:	Member Size:
B1	UC 203 x 203 x 46
B2	UC 152 x 152 x 37
B3	UB 152 x 89 x 16
B4	UB 203 x 133 x 25
GB1	UB 203 x 203 x 46 ENCASED WITH 100mm CONCRETE WRAPPED WITH D49 FABRIC MESH

COLUMN SCHEDULE

Ref:	Member Size:
C1	UC 203x203x46
C2	UC 152x152x37

LINTEL SCHEDULE

Ref:	Member Size:
L1	CATNIC CG90/100 CAVITY WALL LINTEL
L2	2No. 100x65 CONCRETE LINTELS
L3	CATNIC CN71A EXTERNAL SOLID WALL LINTEL

PADSTONE SCHEDULE

Ref:	Member Size:
PS1	330x140x100 CONCRETE PADSTONE

LINTEL END BEARING
MIN. 150MM END BEARING AT EACH END OR TO MANUFACTURER REQUIREMENTS

TRIMMERS TO BE FORMED USING DOUBLED JOISTS BOLTED TOGETHER USING M12 GRADE 8.8 BOLTS @ 450 C/C

