



General Notes				
DO NOT SCALE OFF THIS DRAWING				
THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS. FOR FINAL SETTING OUT INFORMATION RELATING TO GRID LINES AND WALL POSITIONS REFER TO THE ARCHITECT'S DRAWINGS.				
PLAIN CONCRETE				
C16/20 PLAIN CONCRETE USED IN FOUNDATIONS TO HAVE:- MINIMUM CEMENT CONTENT OF 225kg/m³ WATER/CEMENT RATIO OF 0.7 MAXIMUM SIZE OF AGGREGATE TO BE 20mm				
GC TO ENSURE ALL GROUND EXCAVATIONS ARE STABLE AND SECURELY SHORED. ADVICE ON THIS MATTER MAY BE OBTAINED FROM THE STRUCTURAL ENGINEER.				
REINFORCED CONCRETE				
REINFORCED CONCRETE TO BE GRADE C28/35 MINIMUM CEMENT CONTENT 300 kg/m³ WATER/CEMENT RATIO OF 0.6 MAXIMUM AGGREGATE SIZE 20mm				
MINIMUM CONCRETE COVER TO BE 40mm TOP, 40mm BTM AND SIDES UNLESS NOTED OTHERWISE. ALL REINFORCEMENT TO BE GRADE B500B OR B500C AS BS4449 AND TO BE CUT AND BENT TO BS5666.				
CONTRACTOR TO USE APPROVED SPACER BLOCKS & REBAR SAFETY CAPS. CONTRACTOR MUST ENSURE ANY PROTRUDING BARS ARE TO HAVE SAFETY CAPS FITTED TO ENDS PRIOR TO NEXT LIFT/POUR/CONNECTION.				
REINFORCEMENT MINIMUM LAPS FOR C28/35 B8 : 330mm B10 : 415mm B12 : 500mm B16 : 560mm B20 : 830mm B25 : 1035mm B32 : 1325mm B40 : 1650mm				
ALL LAPS AND INTERSECTIONS OF BARS SHALL BE SECURELY CONNECTED WITH WALLEABLE IRON WIRE OF A SUITABLE SIZE OR OTHER APPROVED METHOD OF FIXING.				
ALL REINFORCEMENT SHALL BE ACCURATELY PLACED, SECURED AND MAINTAINED IN POSITION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY STOOLS, CHAIRS AND SPACERS REQUIRED TO SUPPORT AND RESTRAIN REINFORCEMENT.				
MESH REINFORCEMENT TO HAVE A MINIMUM LAP OF 460mm UNLESS NOTED OTHERWISE.				
ALL CONCRETE TO BE ADEQUATELY VIBRO COMPACTED (ON PLACING) TO ENSURE THAT ALL VOIDS ARE REMOVED.				
ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH ALL THE RELEVANT BRITISH STANDARD CODES OF PRACTICE.				
FOUNDATIONS				
FOUNDATIONS TO BE TAKEN DOWN TO STRATA CAPABLE OF BEARING 100kN/m² UNLESS OTHERWISE NOTED. BEARING STRATA TO BE APPROVED BY THE ENGINEER. FINAL DEPTH OF FOUNDATIONS TO BE AGREED ON SITE WITH LOCAL BUILDING INSPECTOR. GC TO ENSURE ALL GROUND EXCAVATIONS ARE STABLE AND SECURELY SHORED AND BRACED. ADVICE ON THIS MATTER MAY BE OBTAINED FROM THE STRUCTURAL ENGINEER.				
WALL				
BRICKWORK TO HAVE A WATER ABSORPTION BETWEEN 7% AND 12% MINIMUM STRENGTH OF BLOCKWORK:- BELOW GRD 10.00 N/mm² GROUND TO MEZZANINE 10.00 N/mm² MEZZANINE TO ROOF 7.0 N/mm²				
MORTAR BELOW GRD TO BE 1:3 (i)/M12 MORTAR ABOVE GRD TO BE 1:1.6 (ii)/M4				
WALL TIES				
EXTERNAL CAVITY WALL TIES TO BE TYPE 2 WHEN TESTED IN ACCORDANCE WITH 'D 140'. MINIMUM EMBEDMENT DEPTH IN MORTAR TO BE 50MM. SPACING 900MM HORIZONTALLY AND 450MM VERTICALLY IE 5.0 TIES PER SQ. METRE OF WALL. MINIMUM ADDITIONAL TIES ARE TO BE USED AT JAMBS OF OPENINGS SO AS TO PROVIDE A VERTICAL SPACING NOT GREATER THAN 225MM. WITHIN 150MM OF VERGES AND JAMBS A TIE IS REQUIRED AT LEAST EVERY 225MM VERTICALLY. PARTY WALL TIES TO BE TYPE 4 WHEN TESTED IN ACCORDANCE WITH 'D 140'. MINIMUM EMBEDMENT DEPTH IN MORTAR TO BE 50MM. SPACING AS INDICATED ABOVE.				
P.C. UNITS				
P.C. FLOORING SPECIALIST TO SUBMIT DRAWINGS AND CALCULATIONS TO ENGINEER PRIOR TO MANUFACTURE (MIN. 5 WORKING DAYS).				
P.C. UNITS TO BE DESIGNED TO CARRY THE FOLLOWING LOADINGS (INC. OF S.W. UNITS). SELF WEIGHT - PROVIDED BY MANUFACTURER. FINISHES 1.8 kN/m²				
IMPOSED LOADINGS CHANGING ROOMS 4.0 kN/m² PLANT ROOM 7.5 kN/m² POOLSIDE 5.0 kN/m²				
Client				
BURY COUNCIL				
Project				
ELMS BANK, ARTS COLLEGE, RIPON AVENUE, WITEFIELD, M45 8PJ				
Drawing Title				
FOUNDATION, GROUND LAYOUT AND DETAILS				
Scale at A1 As indicated	Date DEC 2017	Drawn By SBH	Checked By LW	
Project Number 29387	Sheet Number 200	Revision P2		

THE CONTRACTOR IS TO BE FULLY RESPONSIBLE FOR ALL TEMPORARY/PERMANENT PROPPING AND SHORING ON THE PROJECT. CONTRACTOR TO ENSURE THAT ALL PARTS OF THE STRUCTURE ARE ADEQUATELY PROPPED PRIOR TO ANY COMMENCEMENT OF WORKS. ADVICE MAY BE SOUGHT FROM A SPECIALIST OR FROM THE STRUCTURAL ENGINEER

Note: ALL INTERNAL WALLS TO BE TOOTHED INTO EXTERNAL/PARTITION WALL OR BUILT INTO USING CATNIC STRONGHOLD SYSTEM OR SIMILAR APPROVED	Note: ALL DIMENSIONS, LEVELS AND SETTING OUT TO BE CONFIRMED WITH THE ARCHITECT PRIOR TO CONSTRUCTION
Note: ALL BRICKWORK PIERS TO COMPRISE 50N/mm² BRICKWORK WITH M4 (iii) MORTAR. BEAMS TO HAVE FULL END BEARING ONTO 215 DEEP PADSTONE ON MASONRY PIERS	Note: ALL SLEEPER WALLS TO BE POSITIONED CENTRALLY ON STRIP FOUNDATIONS
Note: GAS MEMBRANE AND PASSIVE VENTING SYSTEM TO BE DESIGNED BY SPECIALIST SUB-CONTRACTOR, FOLLOWING RECEIPT OF FINAL SITE INVESTIGATION	Note: ALL STRIP FOOTINGS TO BE 600x300 DEEP UNLESS NOTED OTHERWISE
	Note: ALL PC LINTELS BELOW GROUND FOR SERVICE PENETRATIONS TO BE MIN. 140mm DEEP

---	DASHED RED LINE DENOTES EXTENT OF BRACING
→	DENOTES SPAN OF BEAM & BLOCK FLOOR TO BE DESIGNED BY SPECIALIST MANUFACTURER
REFER TO DRAWING 29387-400 FOR RC DETAILS	

Pad Foundation Schedule	
FOOTING	DIMENSIONS
PC1	Footling-Rectangular: 1200 x 900 x 600mm
PC2	Footling-Rectangular: 1500 x 1200 x 600mm
PC3	Footling-Rectangular: 1650 x 1650 x 950mm
PC4	Footling-Rectangular: 750 x 750 x 600mm