

GENERAL

DO NOT SCALE THIS DRAWING, USE ONLY WRITTEN DIMENSIONS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEERS. IF IN DOUBT ASK.

SETTING OUT TO ARCHITECT'S DRAWINGS.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS, AND SPECIALISTS DRAWINGS, AND WITH THE SPECIFICATIONS.

WORKS TO COMPLY WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICES, EURO CODES AND THE BUILDING REGULATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL INTEGRITY OF THE WORKS AT ALL TIMES BY THE PROVISION OF ADEQUATE TEMPORARY WORKS.

ALL DIMENSIONS IN MILLIMETERS (mm),
ALL LEVELS IN METRES (m).

FOUNDATIONS

FOUNDATIONS TO BE CENTRAL UNDER WALLS AND 600mm. WIDE EXCEPT WHERE NOTED OTHERWISE ON THE DRAWING. FOUNDATION WIDTH HAS BEEN BASED ON AN ALLOWABLE GROUND BEARING PRESSURE OF 75kN/m² AT A DEPTH OF 0.9m. SUBJECT TO LOCAL AUTHORITY APPROVAL.

BLINDING AND MASS CONCRETE FILL TO BE GEN1 WITH A CONSISTENCE CLASS S3.

MASS CONCRETE FOOTINGS TO BE GEN 3 TO B.S 8500 Pt.1. ALL WITH 20mm AGGREGATE AND S3 CONSISTENCY CLASS, AND TO BE IN ACCORDANCE WITH BSEN 206 PART 1 AND BS 8500 PART 1.

CONCRETE TO SATISFY DESIGN SULPHATE CLASS DS1 AND ACEC CLASS AC-1 TO BRE SPECIAL DIGEST 1, WITH A RECOMMENDED BASIC DESIGN CHEMICAL CLASS DC 1/0.

ALL FOUNDATIONS TO HAVE A MINIMUM PROJECTION OF 75mm TO BOTH SIDES OF WALL SUPPORTED.

FOUNDATION DEPTHS AS SPECIFIED ARE MINIMUM. DEPTH TO BE INCREASED TO SUIT LOCAL BEARING STRATA AND 'SOFT SPOTS'.

BLOCKWORK

MASONRY BELOW GROUND LEVEL TO BE EITHER NON FROST SUSCEPTIBLE BLOCKWORK WITH A MINIMUM COMPRESSIVE STRENGTH OF 7N/mm², OR CLASS B ENGINEERING BRICKWORK, BOTH IN CLASS (ii) M6 MORTAR.

215 WIDE WALL CONSTRUCTION, BELOW SLAB, TO BE EITHER:
2x100 WIDE BLOCK COLLAR JOINTED, WITH ALL JOINTS FILLED & WALL TIES AT 450 CRS.
OR,
BLOCKS LAID FLAT (NO ONE BLOCK UNIT TO WEIGH MORE THAN 20kg)
BLOCKWORK ABOVE GROUND LEVEL TO BE MIN 7N/mm², EITHER MEDIUM DENSITY BLOCKWORK OR LIGHTWEIGHT (TARMAC TOPLITE 7 OR EQUIVALENT) IN 1:1.5:6 MORTAR.

ALL MOVEMENT JOINTS TO BE FORMED WITH 10mm. LOW DENSITY CLOSED CELL POLYTHENE FILLER WITH FLAT TIES, FITTED WITH PLASTIC DEBONDING SLEEVES, AT 225mm. VERTICAL CENTRES, SEALED WITH POLYSULPHATE SEALANT TO ARCHITECT'S REQUIREMENTS.

ALL WALL TIES ARE TO BE STAINLESS STEEL AND COMPLY WITH BS.1243 AND MEET THE PERFORMANCE REQUIREMENTS OF STANDARD DD140. CLASS 1, AND ARE TO BE INSTALLED IN FULL ACCORDANCE WITH BS 5628 - PART 3 : 2001.

VERTICAL RESTRAINT STRAPS TO BE 30 x 2.5mm. THICK SECTION GALVANIZED MILD STEEL IN ACCORDANCE WITH BUILDING REGULATIONS U.N.O. (STRAP LEGS 100 & 900mm. Lg). 100mm. LEG NAILED TWICE TO WALL PLATE, 900mm. LEG PLUGGED AND SCREWED TO THE WALL A MINIMUM OF 3 TIMES USING 50mm. LONG No.10 SCREWS. (LAST FIXING 150mm. MAXIMUM FROM END OF STRAP).

ALL STEEL LINTELS TO BE HOT DIPPED GALVANIZED TO B.S EN ISO 1461 (85µm).

PADSTONES TO BE GRADE C20 CONCRETE WITH A MINIMUM CEMENT CONTENT OF 220kg/m³ AND A FREE WATER/CEMENT RATIO OF 0.8, OR ALTERNATIVE APPROVED.

TIMBER ROOF

TIMBER TO BE GRADE AS FOLLOWS: GRADE C24 TO BS 5628-2:2002 MINIMUM.

ALL TIMBER FLOORS ARE TO BE DESIGNED IN ACCORDANCE WITH BUILDING REGULATIONS.

JOISTS PARALLEL TO MASONRY WALLS TO HAVE 30mm.x 5mm. GALVANIZED M.S. RESTRAINT STRAPS AT 1200m. Ctrs. FIXED TO MIN. 3 JOISTS & AND BUILT INTO WALL. PROVIDE SOLID PACKING BETWEEN JOIST AND WALL AND NOGGINS UNDER STRAPS.

VERTICAL RESTRAINT STRAPS TO BE 30mm. x 2.5mm. THICK GALVANIZED M.S. AT 2000mm. Ctrs. (STRAP LEGS 100 x 900Lg). 100mm. LEG NAILED TWICE TO WALL PLATE AND PLUGGED AND SCREWED TO WALL A MINIMUM OF 3 TIMES USING 50mm. LONG No.10 SCREWS. (LAST FIXING 150mm. MAXIMUM FROM END OF STRAP).

HORIZONTAL RESTRAINT STRAPS TO BE PROVIDED AT RAFTER AND CEILING JOIST LEVEL AT 2000mm. Ctrs. STRAPS TO BE 30mm. x 5.0mm THICK GALVANIZED MILD STEEL. 100mm. LEG OF STRAP TO BE BUILT INTO WALL. STRAPS TO EXTEND OVER 3 No. RAFTERS / CEILING JOISTS AND TO BE NAILED TWICE TO EACH USING 50mm. LONG 8 SWG NAILS. SOLID NOGGINS ARE TO BE PROVIDED AT STRAP LOCATIONS BETWEEN RAFTER/CEILING JOIST POSITIONS AND BETWEEN RAFTER/CEILING JOIST AND WALL.

STEELWORK

ALL STEELWORK TO BE GRADE S275 TO BS EN 10025 UNLESS NOTED OTHERWISE ON THE DRAWINGS. FABRICATION AND ERECTION OF STEELWORK TO COMPLY WITH THE RELEVANT SECTIONS OF BS 5950 AND "THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION".

ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO ANY FABRICATION WORKS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.

ALL STEELWORK WITHIN CAVITY WALLS, OR TOTALLY ENCASED, TO BE BLAST CLEANED TO SA 2½ AND PAINTED WITH 1 COAT OF ZINC PHOSPHATE EPOXY PRIMER TO A MINIMUM 80µm. DFT.

ALL EXPOSED INTERNAL STEELWORK TO BE BLAST CLEANED TO SA 2½ AND PAINTED WITH 1 COAT OF HIGH BUILD ZINC PHOSPHATE EPOXY PRIMER TO A MINIMUM 80µm. DFT WITH A SITE APPLIED ALKYD FINISH TO A MINIMUM 60µm. DFT, COLOUR TO ARCHITECTS SPECIFICATION.

ALL EXTERNAL STEELWORK TO BE HOT DIPPED GALVANIZED TO BS5950/ EN ISO 1461 TO 85µm. IF COLOURED FINISH IS REQUIRED A MORDANT WASH OR PRIMER SPECIFICALLY FORMULATED FOR USE ON FRESH GALVANIZED SURFACES TO BE APPLIED FOLLOWED BY 40µm. VINYL PRIMER AND 60µm. VINYL FINISH TO ARCHITECTS SPECIFICATION.

ALL BOLTS TO BE SHERADIZED/BZP

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

ON SITE WELDING SHALL COMPLY WITH NATIONAL STRUCTURAL SPECIFICATION FOR BUILDING CONSTRUCTION BCSA_52-10 SECTION 5.

PADSTONES TO BE GRADE C20 CONCRETE WITH A MINIMUM CEMENT CONTENT OF 220kg/m³ AND A FREE WATER/CEMENT RATIO OF 0.8, OR ALTERNATIVE APPROVED.



ALL TEMPORARY WORKS TO BE DESIGNED BY CONTRACTOR.

ALL EXISTING EXTERNAL WALLS ASSUMED TO BE SOLID MASONRY CONSTRUCTION - INFORM ENGINEER OF ANY DISCREPANCIES.

EXISTING STRUCTURAL ELEMENTS INDICATED ON THIS DRAWING ARE ASSUMED ONLY. TO BE CHECKED ON SITE BY THE CONTRACTOR.

REV	DESCRIPTION	DRAWN	CHK'BY	DATE	CLIENT: Winterbourne Parish Council				PROJECT TITLE: The Pavilion		M² CIVIL & STRUCTURAL CONSULTING ENGINEERS W: www.m2structural.co.uk E: info@m2structural.co.uk T: 01225 285073
A1	Building Control Approval	MC	MD	12.02.25	PROJECT REF: FILE: DRG NO.: REV: M2-3168 SK 04 A1				DRAWING TITLE: Structural drawing notes		
					SCALE (A3): DRAWN: CHECKED: DATE: NTS MC MD Jan 2025						