

THIS DRAWING MUST NOT BE SCALED.

A1

DETAILS/SECTIONS SHOW STRUCTURAL INTENT ONLY. FINAL CONSTRUCTION DETAIL TO BE CONFIRMED ON SITE BY THE CONTRACTOR
ALL FOUNDATIONS TO BE MIN 450mm WIDE TRENCH FILL WITH GEN3 CONCRETE UNO
FOUNDATIONS ARE TO BEAR A MINIMUM OF 1.00m BELOW EXISTING GROUND LEVEL INTO VIRGIN GRAVELLY CLAY WITH A PRESUMABLE BEARING CAPACITY OF 100kN/m ² . ENGINEER IS TO BE INVITED TO INSPECT FOUNDATION BEARING DEPTH PRIOR TO THE POURING OF FOUNDATION
ENGINEER TO BE INFORMED IMMEDIATELY IF GROUND CONDITIONS DIFFER TO THAT ASSUMED (VIRGIN GRAVELLY CLAY), IF THERE ARE TREES WITHIN A 20m RADIUS, TREE ROOTS FOUND IN THE EXCAVATIONS OR THE SOIL IS SHOWING SIGNS OF DESICCATION (BEING DRY)
FOUNDATION DEPTH & TYPE IS SUBJECT TO CHANGE DEPENDING ON THE GROUND & TREE INFORMATION CONFIRMED ON SITE BY THE CLIENT/CONTRACTOR
MASONRY BELOW DPC - MIN 7.3N BRICKWORK / BLOCKWORK FOUNDATION QUALITY WITH MORTAR DESIGNATION (II). ABOVE DPC - MIN 3.6N BRICKWORK / BLOCKWORK WITH MORTAR DESIGNATION (III)
MOVEMENT JOINTS: BLOCKWORK MAX 6m CTRS. BRICKWORK AT MAX 9m CTRS. MOVEMENT JOINT LOCATIONS TO BE AGREED BETWEEN THE CLIENT & ARCHITECT
ALL STEELWORK TO HAVE A MINIMUM BEARING OF 150mm ONTO MASONRY UNO
STEELWORK ABOVE GROUND IS TO BE PAINTED IN 75 MICRONS OF ZINC RICH EPOXY BASED PAINT. STEELWORK BELOW GROUND, EXTERNAL OR IN CAVITY IS TO BE PAINTED IN 200 MICRONS OF ZINC RICH EPOXY BASED PAINT
STEEL TO STEEL CONNECTIONS ARE TO BE A MINIMUM 15mm MS PLATE, 6mm F/W AND 4 X M16 GRADE 8.8 BOLTS UNO
FABRICATION DRAWINGS TO BE PROVIDED TO ENGINEER FOR ALL MANUFACTURED ITEMS (STEELWORK, B&B, TRUSSES ETC) FOR THEIR COMMENT PRIOR TO FABRICATION TAKING PLACE
THE CLIENT IS MADE AWARE THAT CHANGES TO THE EXISTING STRUCTURE WILL EFFECT THE CHARACTERISTICS OF THE EXISTING BUILDING. THERE IS THEREFORE A RISK (THAT THE CLIENT ACCEPTS) THAT DIFFERENTIAL SETTLEMENT OCCURS WITHIN THE STRUCTURE, THIS COULD LEAD TO CRACKING IN THE WALLS, WHICH WOULD HAVE TO BE MADE GOOD BY THE CLIENT
ALL MATERIALS & WORKMANSHIP ARE TO BE TO APPROVED DOCUMENT 7 & THE STANDARDS SET OUT WITHIN
IT IS THE RESPONSIBILITY OF THE CLIENT TO ENSURE ALL PLANNING, PARTY WALL, BUILDING REGULATIONS, GRADE APPROVALS ARE IN PLACE PRIOR TO CONSTRUCTION
CONTRACTOR IS TO CONFIRM ALL EXISTING STRUCTURE IS AS ASSUMED PRIOR TO STARTING WORKS ON SITE. ANY DISCREPANCY ARE TO BE NOTIFIED TO THE ENGINEER AND ARCHITECT FOR COMMENT BEFORE COMMENCING
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IT IS ASSUMED THAT ALL STANDARDS SET OUT WITHIN BUILDING REGULATIONS (LATERAL RESTRAINT STRAPPING, TYING ETC) WILL BE UNDERTAKEN AS PART OF THE GENERAL BUILD
TEMPORARY WORKS WILL BE REQUIRED DURING CONSTRUCTION. ALL TEMPORARY WORKS DESIGN AND DETAILS ARE TO BE UNDERTAKEN BY SPECIALIST OTHER CONSULTANT
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ALL FINISHES DPC, DPM, WATERPROOFING, INSULATION ETC ARE TO BE SPECIFIED BY OTHERS AND ARE TO MEET BUILDING REGULATIONS STANDARD AS A MINIMUM

FOUNDATION SCHEDULE	
REF	DESCRIPTION
TF1	450mm WIDE GEN3 CONCRETE TRENCH FILL FOUNDATION BEARING A MINIMUM OF 1.0m BELOW GROUND LEVEL INTO VIRGIN GRAVELLY CLAY WITH AN ALLOWABLE BEARING PRESSURE OF 100kN/m ² . FINAL FOUNDATION DEPTH TO BE AGREED WITH THE BUILDING CONTROL OFFICER
DW1	215 WIDE BLOCKWORK DWARF WALL TO SUPPORT BEAM AND BLOCK FLOOR OVER
SJ1	SLIP JOINT. 20mm EXPANDED FOAM FILLER BOARD AND DPM SLIP MEMBRANE

GROUND FLOOR SCHEDULE	
REF	DESCRIPTION
B&B	150mm THICK BEAM AND BLOCK FLOOR WITH A 300mm VENTILATED VOID UNDER. THE BEAM AND BLOCK FLOOR IS TO BE DESIGNED BY THE MANUFACTURER TO BS1110, THE SPAN DIRECTIONS SHOWN AND A DESIGN LOAD OF DL 2kN/m ² + SW, IL 2.5kN/m ²

MASONRY SCHEDULE	
REF	DESCRIPTION
MB1	ALL MASONRY BELOW DPC TO BE MIN 7.3N CAPACITY, FOUNDATION SUITABLE WITH MORTAR DESIGNATION (II)
MG1	ALL MASONRY ABOVE DPC TO BE MIN 3.6N CAPACITY, FOUNDATION SUITABLE WITH MORTAR DESIGNATION (II)
MJ1	MOVEMENT JOINT. 10mm FOAM FILLER BOARD, ANCON DEBONDED TIES @ 225mm VERTS & A WATERPROOF MASTIC SEAL
IM1	ALL INFILL MASONRY TO BE TIED TO THE EXISTING WITH ANCON STARTER TIES @ 225mm VERT CTRS
WP1	ANCON WP2 125X70X4 WINDPOST FIXED TOP & BOTTOM AS PER THE MANUFACTURER'S SPECIFICATION

STEEL BEAM SCHEDULE	
REF	DESCRIPTION
SB1	152X152X30UC + 10mm S275 TOP PLATE

LINTEL SCHEDULE	
REF	DESCRIPTION
L1	152X152X23UC + 10mm S275 BOTTOM PLATE
L2	SD CAVITY WALL LINTEL

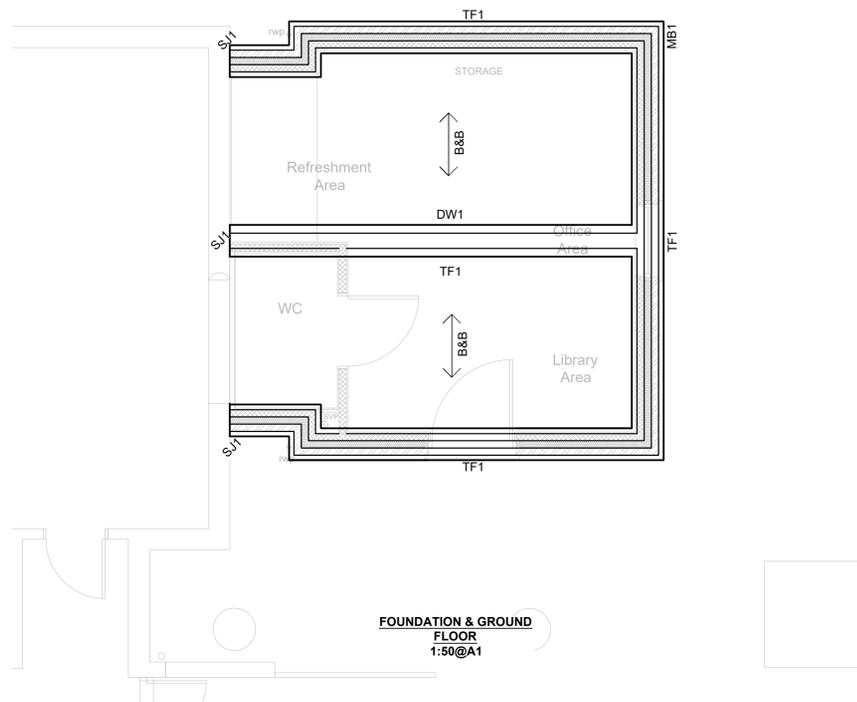
PADSTONE SCHEDULE	
REF	DESCRIPTION
PS1	215X65X100 ENGINEERING BRICK

TIMBER JOIST SCHEDULE	
REF	DESCRIPTION
FRJ1	47X100 @ 600mm CTRS

TIMBER TRUSS SCHEDULE	
REF	DESCRIPTION
TR1	TIMBER ATTIC TRUSSED ROOF TO BE DESIGNED BY THE MANUFACTURER TO BS5268, THE SPAN DIRECTIONS SHOWN & A DESIGN LOAD OF DL 1.25kN/m ² , IL 0.85kN/m ² .

MATERIAL GRADES	
ELEMENT	GRADE
TIMBER	C24
STEEL	S355
MASS CONCRETE	GEN3
REINFORCED CONCRETE	C32/40

KEY	
	PROPOSED BEAM OR TRIMMERS
	SPAN DIRECTION OF FLOOR OR RAFTERS



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IF IN DOUBT = ASK ENGINEER

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REV	STATUS	DATE	DESCRIPTION	BY	CHK
T2	T	03.07.24	UPDATED AS PER COMMENTS	BP	OJM
T1	T	03.05.24	ISSUED FOR TENDER	BP	OJM

MORGAN
ENGINEERING CONSULTANTS

LONDON . ESSEX . SURREY . SUFFOLK . KENT

STRUCTURAL & CIVIL ENGINEERS

Colchester Office 01206 259 360 / 07708 446 575
London Office 0204 534 5593 / 07738 439 500
Email: office@morganeng.co.uk
Web: www.morganeng.co.uk

Client:
WEST BERGHOLT PARISH COUNCIL

Project:
WEST BERGHOLT COMMUNITY HUB AND OFFICE, ESSEX.

Drawing Title:
STRUCTURAL PLANS 1

Drawn by: BP	Checked by: OJM	Date: MAY 24	Scale at A1: AS SHOWN
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Issue Status:
FOR TENDER

Ref:
2405-05-S-01

Rev:
T2

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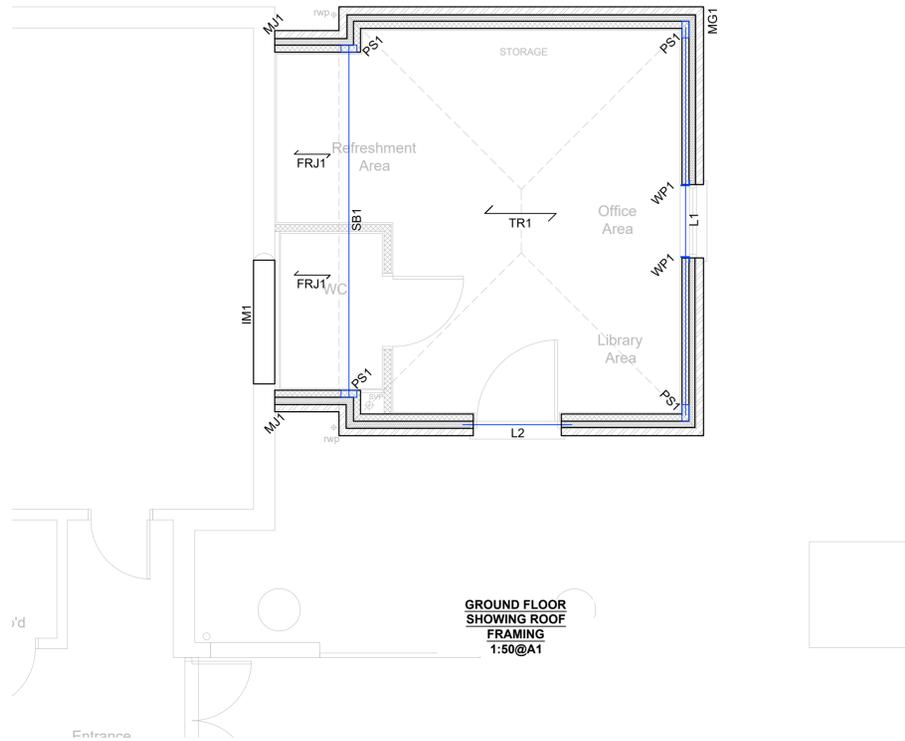
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ENGINEERING CONSULTANTS

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STRUCTURAL & CIVIL ENGINEERS

Colchester Office 01206 259 360 / 07708 446 575
London Office 0204 534 5593 / 07738 439 500
Email: office@morganeng.co.uk
Web: www.morganeng.co.uk

Client:
WEST BERGHOLT PARISH COUNCIL

Project:
WEST BERGHOLT COMMUNITY HUB AND OFFICE, ESSEX.

Drawing Title:
STRUCTURAL PLANS 2

Drawn by: BP	Checked by: OJM	Date: MAY 24	Scale at A1: AS SHOWN
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Issue Status:
FOR TENDER

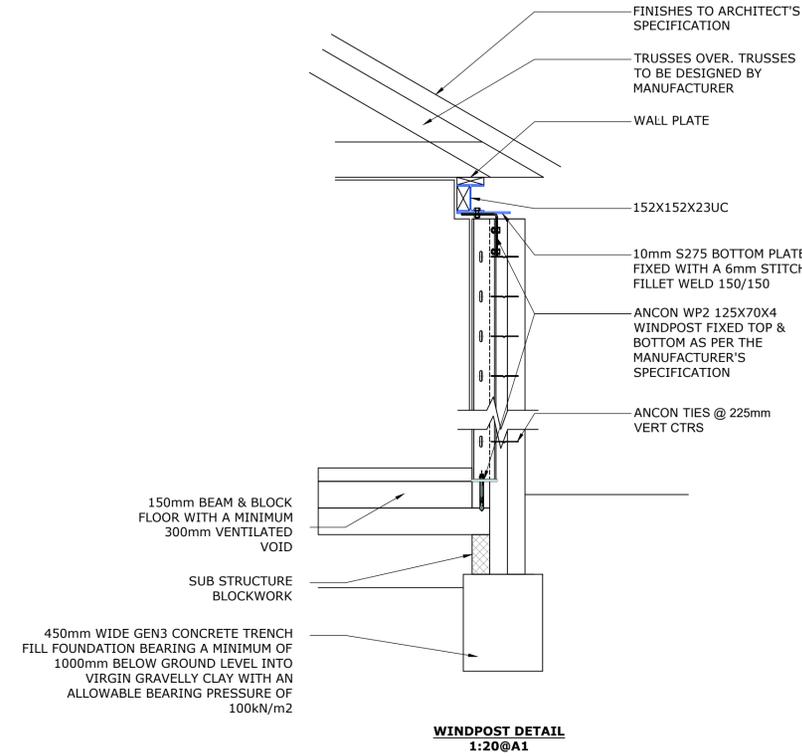
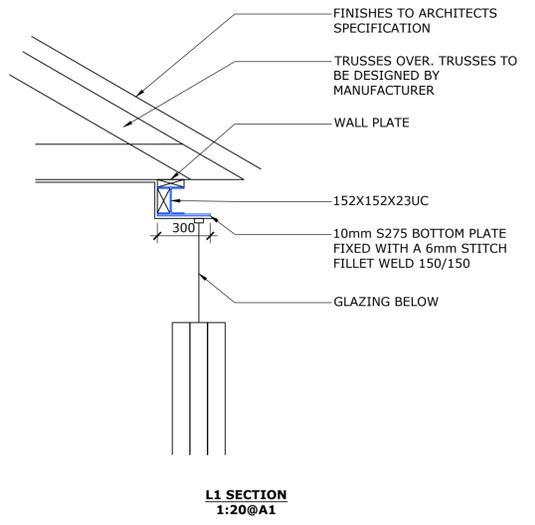
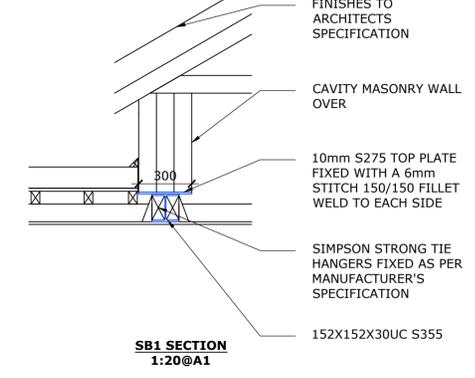
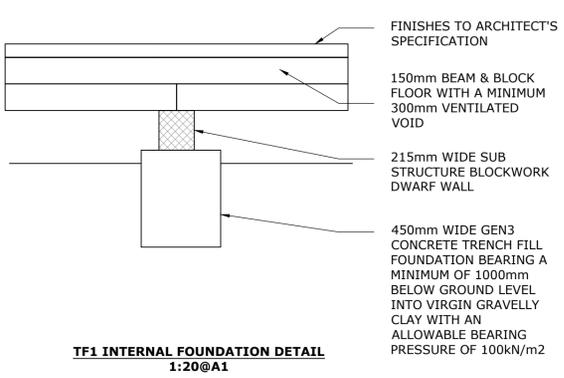
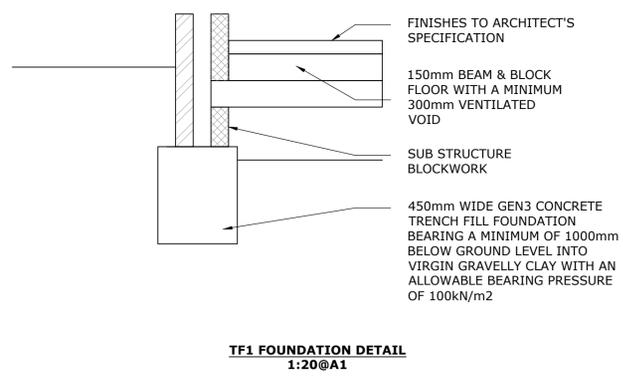
Ref:
2405-05-S-02

Rev:
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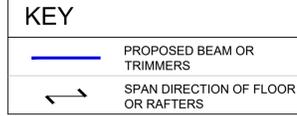
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IF IN DOUBT = ASK ENGINEER

HEALTH & SAFETY
STRUCTURE WILL BE UNSTABLE & AT RISK OF COLLAPSE DURING CONSTRUCTION. CONTRACTOR TO ENSURE TEMPORARY WORKS DESIGNS (TEMPORARY BRACING & PROPPING), METHOD STATEMENTS & RISK ASSESSMENT ARE COMPLETED BY A COMPETENT PERSON PRIOR TO CONSTRUCTION

SETTING OUT
ALL SETTING OUT IS SHOWN FOR GUIDANCE AND IS TO BE CONFIRMED BY THE ARCHITECT PRIOR TO CONSTRUCTION OR FABRICATION OF ALL STRUCTURAL MEMBERS SHOWN ON THESE DRAWINGS

REV	STATUS	DATE	DESCRIPTION	BY	CHK
T2	T	03.07.24	UPDATED AS PER COMMENTS	BP	OJM
T1	T	03.05.24	ISSUED FOR TENDER	BP	OJM

MORGAN
ENGINEERING CONSULTANTS

LONDON . ESSEX . SURREY . SUFFOLK . KENT

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Client:
WEST BERGHOLT PARISH COUNCIL

Project:
WEST BERGHOLT COMMUNITY HUB AND OFFICE, ESSEX.

Drawing Title:
STRUCTURAL PLANS 3

Drawn by: BP	Checked by: OJM	Date: MAY 24	Scale at A1: AS SHOWN
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Issue Status:
FOR TENDER

Ref: 2405-05-S-03	Rev: T2
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