

FOR GROUND FLOOR CONSTRUCTION, REFER TO MANUFACTURERS DETAILS

FOR SURFACE WATER & RWP CALCULATIONS, REFER TO LAYOUT - DWG# EMA46_42

DRAINAGE SETTING OUT, TO BE CONFIRMED BY APPOINTED SITE ENGINEER

8990.0 (40 BRICKS)

5728

2372 S/O

890

WHEN A MASONRY PIER IS A NON BRICK DIMENSION, IF THE LENGTH CAN ACCOMMODATE +/- 1.5mm THEN ADJUST A STANDARD 10mm MORTAR JOINT TO SUIT. IF OUTSIDE OF THESE PARAMETERS, THEN A CUT BRICK IS TO BE USED

SUBSTRUCTURE BLOCKWORK HATCH (MASONRY)

EXTERNAL WALLS

- 100mm BLOCKWORK - 3.6N/mm² AIRCRETE (600-800kg/m³, 0.15W/mk).
- 100mm BLOCKWORK - 7.3N/mm² AIRCRETE (600-800kg/m³, 0.15W/mk).

INTERNAL WALLS

- 100mm BLOCKWORK - 3.6N/mm² AIRCRETE (600-800kg/m³) FOR INTERNAL LOAD BEARING WALLS



DENOTES LOCATION OF TELESCOPIC UNDERFLOOR AIR BRICKS.

DENOTES LOCATION OF ADDITIONAL TELESCOPIC UNDERFLOOR AIRBRICKS TO EXTERNAL WALLS WHEN A BASIC RADON OR OTHER GAS MEMBRANE IS INSTALLED. VENTILATION REQUIREMENT TO BE ADJUSTED TO SUIT SITES WITH MORE SEVERE CONTAMINATION OR REQUIREMENTS. AIRBRICK VENTILATION FOR RADON OR OTHER GAS POSITIONED IN EXTERNAL WALLS AT MAX. 2.0M C/C AND 450MM FROM EXTERNAL CORNERS IN ADDITION TO THE STANDARD VENTILATION/AIRBRICKS CALCULATED.

ALL DIMENSIONS FOR SERVICES HAVE BEEN MEASURED FROM THE EXTERNAL WALL LINE.

SUB STRUCTURE NOTES :

- THIS DRAWING MUST NOT BE SCALED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS
- ALL DETAILS AND DRAWINGS MUST BE READ IN CONJUNCTION WITH THE 'TW NATIONAL CONSTRUCTION SPECIFICATION'
- BEAM AND BLOCK / RAFT FOUNDATIONS TO STRUCTURAL ENGINEER / SPECIALIST DESIGN.
- FOR DETAILS OF CAST INSITU POWERFLOATED SUSPENDED GROUND FLOOR SLAB, SEE SPECIALIST DRAWINGS.
- DATUM 1 (MASONRY CONSTRUCTION ONLY) = FINISHED FLOOR LEVEL. TOP OF FLOATING SLAB, SUSPENDED SLAB AND RAFT FOUNDATION TO BE LEVEL WITH DPC (INSULATION POSITIONED UNDER SLABS).
- FOUNDATIONS
- FOUNDATION WIDTHS AND DEPTHS TO BE DETERMINED BY THE STRUCTURAL ENGINEER, BASED ON THE SITE INVESTIGATION REPORT / WALL FOUNDATION LOADS TO BE AGREED BY THE BUILDING CONTROL ENGINEER.
- INDICATES REFERENCE TO WALL NUMBER AND FOUNDATION LOADS.
- CHECK SOIL REPORT FOR SPECIAL REQUIREMENTS E.G. PRECAUTIONS NECESSARY FOR SULPHATES IN SOIL ETC.
- GAS PIPES TO RUN IN GROUND FLOOR INSULATION OR, IF INTEGRAL GARAGE TYPE, WITHIN FIRST FLOOR CARCASS.

Approved Document C - Under floor veJUN 22lation requirements

Under floor veJUN 22lation to be provided to suit the greater of the air calculations: By floor area or by External wall length

Measure	M ² or M	Unit mm ²	Total Air Req mm ²	Manthorpe Vent size mm ²	Min. Vents Req
Floor Area	64.64	500	32320	6450	6
Mid Unit Ext Wall	n/a	1500	n/a	6450	n/a
End Unit Ext Wall	n/a	1500	n/a	6450	n/a
Det Unit Ext Wall	32.19	1500	48285	6450	8

NOTE : TABLE OMITTS FOUNDATION SELF-WEIGHT

EMA46 FOUNDATION LOADS KN/M. run

WALL NUMBER	1	2	3	4	5
GROUND BEARING SLAB	50	40	60	40	50
SUSPENDED CONCRETE SLAB	60	40	70	40	60
BEAM & BLOCK (JET FLOOR)	60	40	70	40	60

*- LOAD FOR 1 SIDE OF PARTY WALL ONLY. THE LOAD SHOULD BE ADDED TO THE PARTY WALL LOAD FOR THE HOUSE TYPE ON THE OTHER SIDE.

SUB-STRUCTURE LEGEND

ABBREVIATIONS

- E = ELECTRIC METER
- RWP = RAIN WATER PIPE
- L# = LINTEL REFERENCE
- SVP = SOIL VENT PIPE
- RE = RODDING EYE

LEGEND

- ▲ = TELECOM ENTRY POINT
- ◆ = WATER ENTRY POINT
- ▲ = NETWORK ACCESS POINT
- = CONSUMER SERVICE UNIT
- ⊕ = DIRECT DRAINAGE CONNECTION

SEE ENGINEERS DRAWINGS FOR F.G.F.L

GUTTER SIZE & RWP POSITIONS TO BE DESIGNED BY SITE ENGINEER WITH DOWNPIPES LOCATIONS IN ACCORDANCE WITH DEVELOPMENT DRAINAGE LAYOUT, SITE CONDITIONS AND EXPANSION JOINT LOCATIONS.

SUB-STRUCTURE DETAILS

Foundations (Jetfloor)	EM-FD21-01-10, 11, 30, 31
Jetfloor system details / Integral garages	EM-GF21-02-01, 02, 04, 05, 07, 10, 13
Future accessible shower provision	EM-GF21-02-74
Service entry details	EM-FD21-01-70

2ND DPC TO BE ADDED TO FULL PERIMETER OF THE BUILDING REFER TO *PRINCIPLES* TWNT GF13-02-40

SUB-STRUCTURE PLAN
EMA46 (4B7P)

WEATHERBOARD -
DOUBLE COURSE PLINTH
PLOT 152 ONLY

WEATHERBOARD -
DOUBLE COURSE PLINTH
PLOT 152 ONLY

REV	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED
C02	05.12.25	Compliance amended to M4(1)	MS	SN
C01	13.10.25	STATUS TO CONSTRUCTION; Flue waste drain omitted	SN	LE
T03	23.09.25	'Main door' threshold label added; Drainage run omitted; Plinth detail added	SN	LE
T02	19.06.25	Sub-structure legend updated	CC	LE
T01	22.04.25	STATUS TO TENDER	CC	LE
P01	31.03.25	Gas meter & Gas point omitted	CK	LE

Status:
CONSTRUCTION
NDSS Compliance: ADM Compliance Level:
COMPLIANT M4(1)

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Project No:
23/1024

Drng No:
EMA46 - 21P2 - 11 - C02

Project:
Grange Farm, WD (Phase 2)

Drwg Title:
RIGHTFORD (4B7P)

SUB-STRUCTURE PLAN

AS PLOT/S:

OPP PLOT/S:
152, 166

Scale: 1:50 @ A3 Date: Jan 2025
Drawn By: CC Checked By: RB

Client:

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