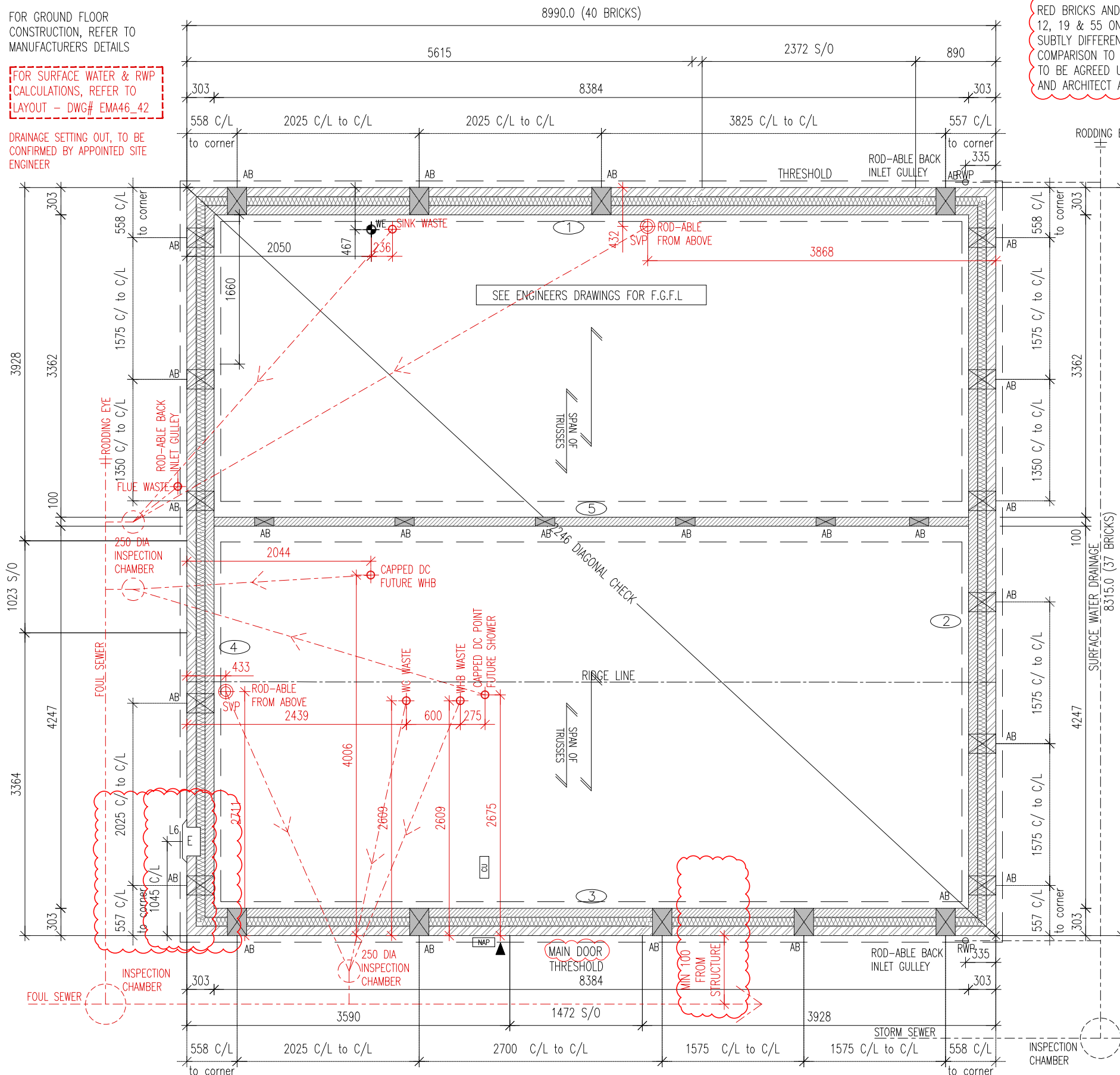


FOR GROUND FLOOR CONSTRUCTION, REFER TO MANUFACTURERS DETAILS

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

DRAINAGE SETTING OUT, TO BE CONFIRMED BY APPOINTED SITE ENGINEER



SUB-STRUCTURE PLAN
EMA46 (4B7P)

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

For below ground services, see civil engineer design and detail

RED BRICKS AND TILES TO PLOT 12, 19 & 55 ONLY TO BE OF SUBTLY DIFFERENT VARIATION IN COMPARISON TO OTHER PLOTS. TO BE AGREED UPON BY CLIENT AND ARCHITECT AGAINST SAMPLE

SUBSTRUCTURE BLOCKWORK HATCH (MASONRY)

BLOCKWORK - THICKNESS TO SUIT FOUNDATION AND LEAF ABOVE - 7.3N/mm² AIRCRETE (600-800kg/m³, 0.15W/mk).

Blockwork to foundations is to have a compressive strength at least equal to that used above DPC, or as noted on the foundation details, whichever is greater.

In all cases blockwork below DPC should have a minimum density of 1500kg/m³ or a minimum compressive strength of 7.3N/mm² or Aircrete blocks with a relevant BBA certificate and be aid in class (i) or (ii) mortar.

2nd DPC To be added to full perimeter of the building at 150mm above the 1st DPC. Refer to *principles* TWNT GF13-02-40 diagram

AB DENOTES LOCATION OF TELESCOPIC UNDERFLOOR AIR BRICKS.

AB 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 DETAILS

Strip foundations (Jetfloor)	EM-FD21-01-10
Jetfloor system details / integral garages	EM-GF21-02-01/02
Future accessible shower provision	EM-GF21-02-74
Ground floor windposts / radon	EM-EW21-03-20/21
Timber stud partitions & buttress walls	EM-IW21-08-40
Service entry details	EM-FD21-01-70

Approved Document C - Under floor ventilation requirements

Under floor ventilation 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

For below ground structure, see structural engineer design and detail

SUB-STRUCTURE LEGEND

ABBREVIATIONS

E = ELECTRIC METER

RWP = RAIN WATER PIPE

L# = LINTEL REFERENCE

LEGEND

▲ = TELECOM ENTRY POINT

● = WATER ENTRY POINT

WE

SVP = SOIL VENT PIPE

RE = RODDING EYE

NAP = NETWORK ACCESS POINT

CU = CONSUMER SERVICE UNIT

⊕ = DIRECT DRAINAGE CONNECTION

WASTE

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.
- SERVICE PENETRATIONS ACROSS FOUNDATION / BELOW EXTERNAL GROUND AS PER TYPICAL DETAIL.

C01	21.05.25	WHWR OMITTED & MAIN DOOR LABEL ADDED; STATUS TO CONSTRUCTION	SN	LE
REV	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED

Status:

CONSTRUCTION

NDSS Compliance: ADM Compliance Level:

COMPLIANT M4(1)

Mark Reeves Architects
5 Northfields Prospect, Putney Bridge Road, London, SW18 1PE
Tel: 020 8874 0484 Email: mail@mrarchitects.co.uk

Project No:

23/1024

Drg No:

EMA46-2021-1-11-C01

Project:

Grange Farm, WD

Drwg Title:

RIGHTFORD (4B7P)

SUB-STRUCTURE PLAN

Bu no: Site no: House type no: Drg no: Ver:
?? / ?? / ?? / 11 / V?

AS PLOT/S:

12, 19, 56

OPP PLOT/S:

55

Scale: 1: 50 @ A3

Date: 2024

Drawn By: BH

Checked By: LE

Client:

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