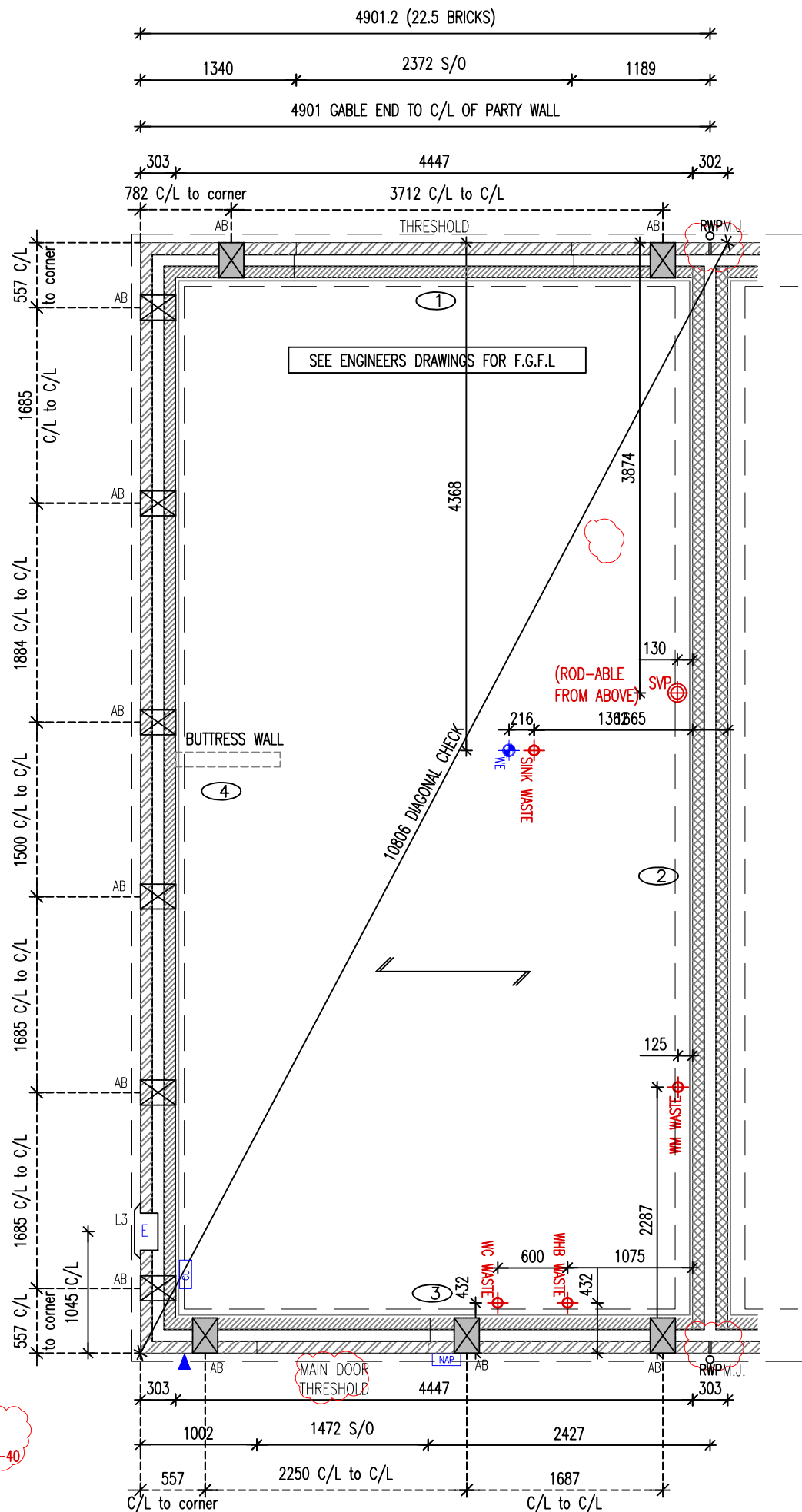




2ND DPC TO BE ADDED TO FULL PERIMETER OF THE BUILDING REFER TO *PRINCIPLES* TWNT GF13-02-40

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

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.

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

PARTY WALLS

100mm BLOCKWORK - 3.6N/mm² AIRCRETE (600-800kg/m³, 0.15W/mk) FOR E-WM-30, REFER TO SITE SPECIFICATION.

NOTE : TABLE OMITS FOUNDATION SELF-WEIGHT

EMB31 FOUNDATION LOADS KN/M. run				
WALL NUMBER	1	2	3	4
GROUND BEARING SLAB	50	60	50	50
SUSPENDED CONCRETE SLAB	50	70	50	60
BEAM & BLOCK (JET FLOOR)	50	70	50	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.

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	Monthorpe Vent size mm ²	Min. Vents Req
Floor Area	39.79	500	19895	6450	4
Mid Unit Ext Wall	8.9	1500	13350	6450	3
End Unit Ext Wall	17.84	1500	26760	6450	5
Det Unit Ext Wall	n/a	1500	n/a	6450	n/a

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

NAP = NETWORK ACCESS POINT
CU = CONSUMER SERVICE UNIT
WASTE = DIRECT DRAINAGE CONNECTION

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

FOR GROUND FLOOR CONSTRUCTION, REFER TO MANUFACTURERS DETAILS

FOR SURFACE WATER & RWP CALCULATIONS, REFER TO LAYOUT - DWG# EMB31_43

DRAINAGE SETTING OUT, TO BE CONFIRMED BY APPOINTED SITE ENGINEER

BOILER OVERFLOW TO DISCHARGE TO WHB TO INCLUDE AIR TRAP

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 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.

C02	05.12.25	Compliance amended to M4(1)	MS	SN
C01	13.10.25	STATUS TO CONSTRUCTION; Gas dim omitted	JF	LE
T03	24.09.25	'Main door' threshold label added; 2nd DPC note added; Drainage run omitted	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; Movement joint added	CK	LE
REV	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED

Status:

CONSTRUCTION

NDSS Compliance: ADM Compliance Level:

COMPLIANT M4(1)

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Project No:
23/1024

Drg No:
EMB31 - 21P2 - 11 - C02

Project:
Grange Farm, WD (Phase 2)

Dwg Title:
HARRTON 3B5P
SUB-STRUCTURE PLAN

AS PLOT/S:

75, 80, 82, 98, 121, 131, 145, 154, 156, 160

OPP PLOT/S:

76, 81, 83, 99, 122, 132, 146, 155, 157, 161

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

Client:

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