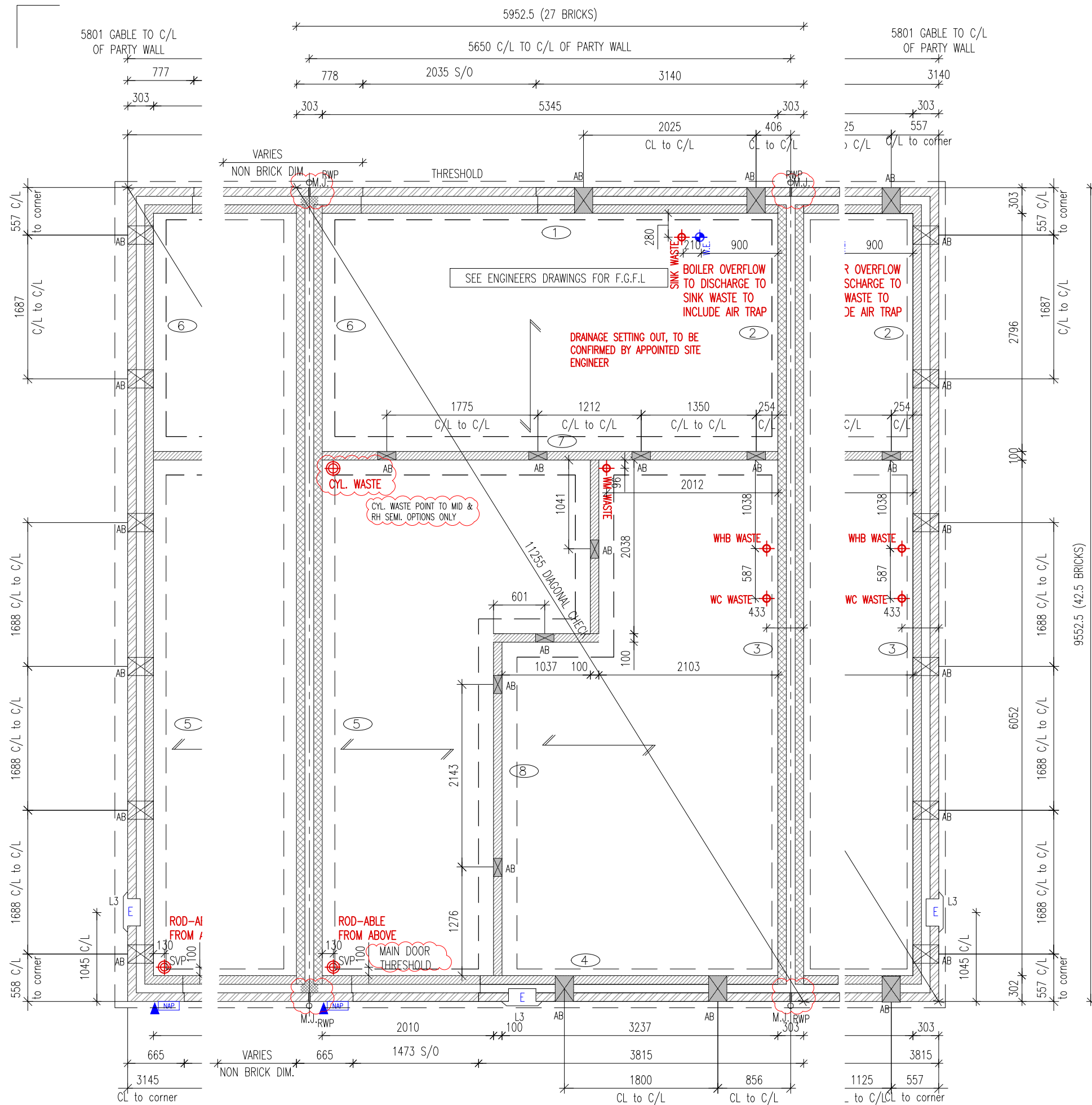




LH END/SEMI OPT.
EMAP32 (3B5P)

SUB-STRUCTURE PLAN (MID END/SEMI)
EMAP32 (3B5P)

WHEN A MASONRY PIER IS A NON BRICK DIMENSION, IF THE LENGTH CAN ACCOMMODATE +/- 1.5mm THEN ADJUST A STANDARD HOUSING RANGE 2020 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

EMAP32 FOUNDATION LOADS KN/M. run								
WALL NUMBER	1	2	3	4	5	6	7	8
GROUND BEARING SLAB	50	40	50	50	40	30	20	40
SUSPENDED CONCRETE SLAB	60	40	60	50	50	30	30	50
BEAM & BLOCK (JET FLOOR)	60	40	60	50	50	30	30	50

*- 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	Manthorpe Vent size mm ²	Min. Vents Req
Floor Area	47.48	500	23740	6450	4
Mid Unit Ext Wall	10.70	1500	16050	6450	3
End Unit Ext Wall	20.54	1500	30810	6450	5
Det Unit Ext Wall	28.82	1500	43230	6450	7

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
- ⊕ = DIRECT DRAINAGE CONNECTION
- WASTE

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

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.

C01	13.10.25	STATUS TO CONSTRUCTION; External party wall dims amended/shown	SN	LE
T02	24.09.25	Plots updated on title block; Drainage runs omitted	SN	LE
T01	22.04.25	STATUS TO TENDER	CC	LE
P01	31.03.25	CYL. Waste point & note added	CC	LE
REV	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED

Status:

CONSTRUCTION

NDSS Compliance: ADM Compliance Level:
COMPLIANT M4(2)

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Project No:
23/1024

Drg No:
EMAP32- 21P2 - 11 - C01

Project:
Grange Farm, WD (Phase 2)

Drwg Title:
SATTERSTEAD (3B5P) SUB-STRUCTURE PLAN

AS PLOT/S:
69-LH, 71-LH, 92-DET, 108-LH, 110-MT, 170-LH, 171-MT, 172-RH
OPP PLOT/S:
70-LH, 72-LH, 109-MT, 111-LH

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

Client:

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