
NEW DWELLING

ADDRESS

76 PERERIKA STREET, ROTORUA

CLIENT

GT HOMES

JOB No.

J001027

ISSUE

FOR CONSENT

DATE OF ORIGINAL ISSUE

JUNE 2021

APPROVED BUILDING CONSENT
BC82325
Date: 27/10/2021
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R1 13	RIBRAFT TYPICAL DETAILS	0	-
R1 15	TYPICAL PIPE PENETRATION DETAILS	0	-

*drawings to be printed in color



PO Box 721, Cambridge 3450

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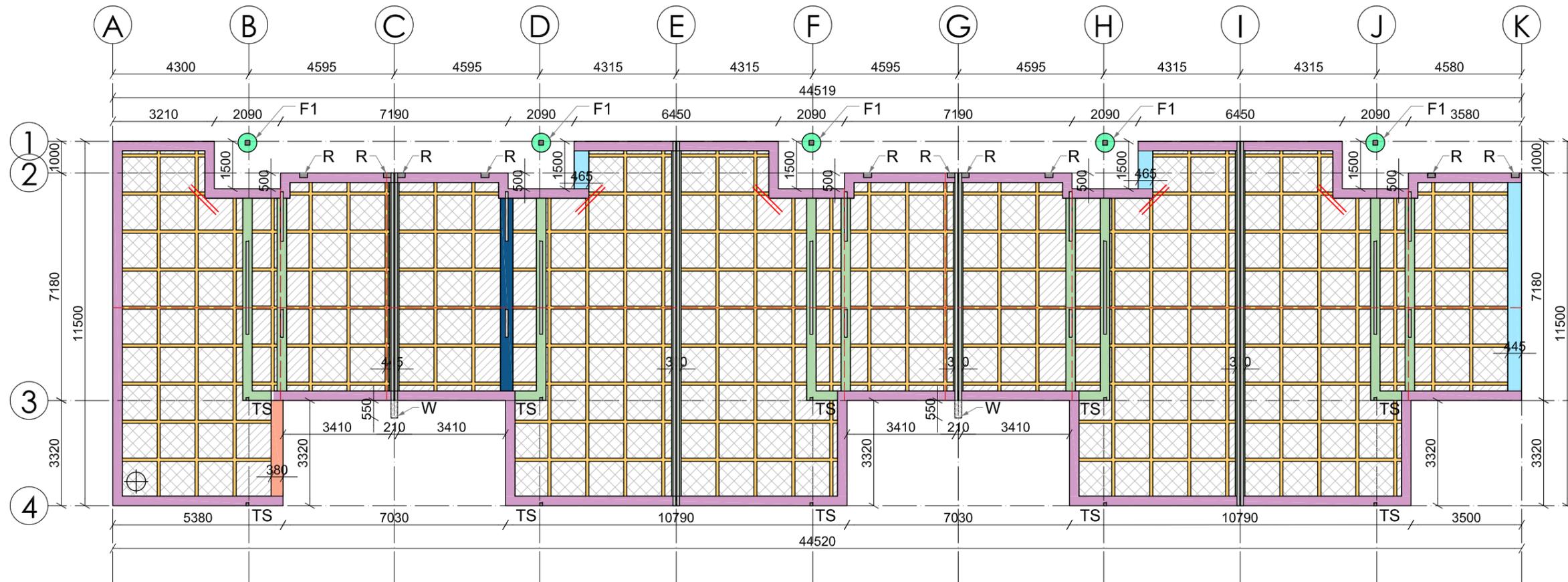
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NOTES

- 1) Refer architectural drawings for all rebates. Contractor to confirm location of all load bearing walls. If heating pipes to be installed in slab engineer to be advised prior to any construction.
 - 2) Internal thickenings. Refer detail 3/R111
 - 3) Refer architectural plans to confirm rebate sizes & positions
 - 4) 1m gravel raft under the ribraft slab, refer detail 1/R1 12
- Always cross reference the foundation plan with the floor plan prior to setting out. In case of any discrepancies, call designer for clarification



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**76 PERERIKI STREET,
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DRAWING TITLE
FOUNDATION LAYOUT PLAN

Concrete to be 50 MPa with maximum water binder ratio 0.4 micro silica fume at 8% of binder content. Minimum binder content 400kg/m³. Minimum curing 7 days. Curing to be continuous direct water application. NZS 3101 clause 3.6 table 3.5 slump for pumped concrete 120±30mm. Concrete mix design to be carried out by concrete manufacturer. Engineer to meet durability requirements. Slab to be wet cured for minimum 3 days with mist spray. Polythene sheet is not allowed.

- W - Wing wall, refer detail 3/R102
- R - Portal frame rebate
- F1 - Ø450x500mm deep footing
- Control joint 400 wide, refer detail 4/R102
- 320x100 wide beam
- 320x300 wide beam
- 320x380 wide beam
- 320x450 wide beam
- 320x300 internal thickenings

- Sawcut
- 2xHD12 1200 long re entrant bars
- Set out point
- Load bearing wall
- Joinery rebate, confirm position & size with architectural plans
- Cut down pods

1 FOUNDATION LAYOUT PLAN
Scale 1 : 150

DRAWN VC	CHECKED KW	JOB NUMBER J001027	
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SCALE A3			

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For construction of a gravel raft, we recommend the following:

- Excavate to 1.0 m below the existing ground level. The excavation should extend 1m beyond the footprint, where practicable, to allow an even spread of the load and limit the creation of voids beneath the foundation in a ULS earthquake;
- The trimmed subgrade should be proof rolled in the presence of a geotechnical engineer before any filling of the site commences to identify any soft spots and to decide their treatment and any undercutting;
- A layer of Bidim A29 or similarly approved geotextile should be placed in the excavation base;
- The geogrid reinforced raft should be 1.0m thick and constructed in 300mm thick lifts compacted to 98% of maximum dry density (95% for the first lift) at \pm 2% of optimum water content.
- A single layer of StrataGrid High Strength PET Geogrid (SG500 or equivalent) should be placed at 300mm above the excavation base.
- All fill material should be Light weight Pumice or equivalent.

1
 L100a
 GROUND PREPARATION AS PER
 STRATUM CONSULTANTS GEOTECHNICAL ASSESSMENT REPORT

NOTES

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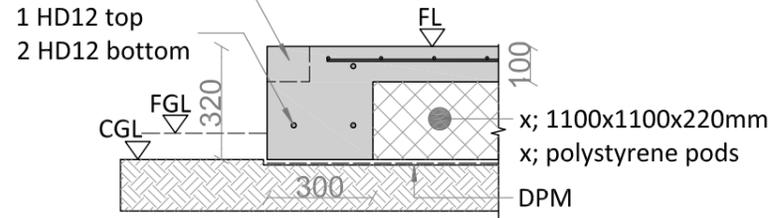
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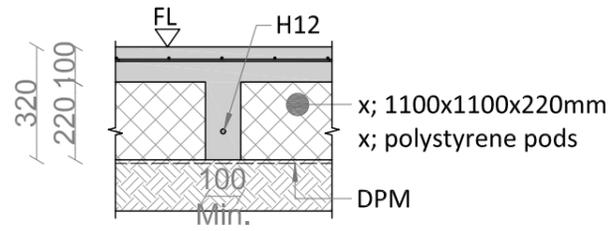
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DRAWING TITLE			
GROUND PREPARATION			
DRAWN	CHECKED	JOB NUMBER	
VC	KW	J001027	
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JUNE 2021	L1 00a	0	
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A3			

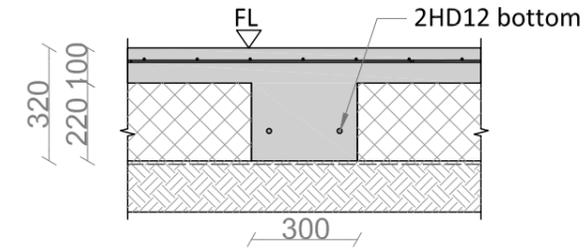
Refer arch. dwgs
for rebates required



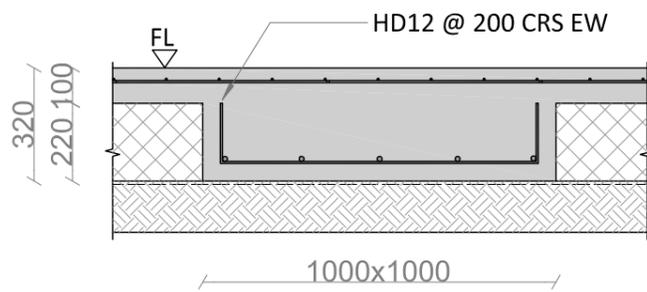
1 TYPICAL EDGE BEAM
R111 Scale 1 : 20



2 TYPICAL RIB DETAIL
R111 Scale 1 : 20

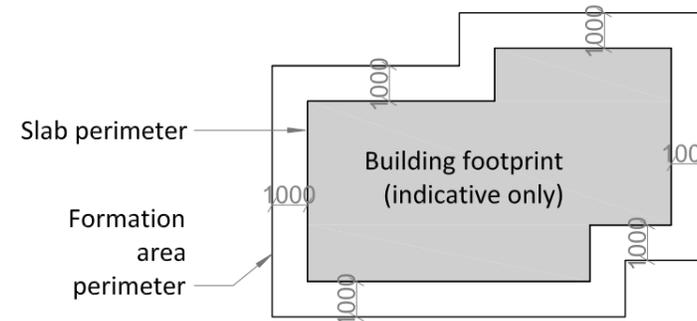


3 TYPICAL INTERNAL THICKENING
R111 Scale 1 : 20

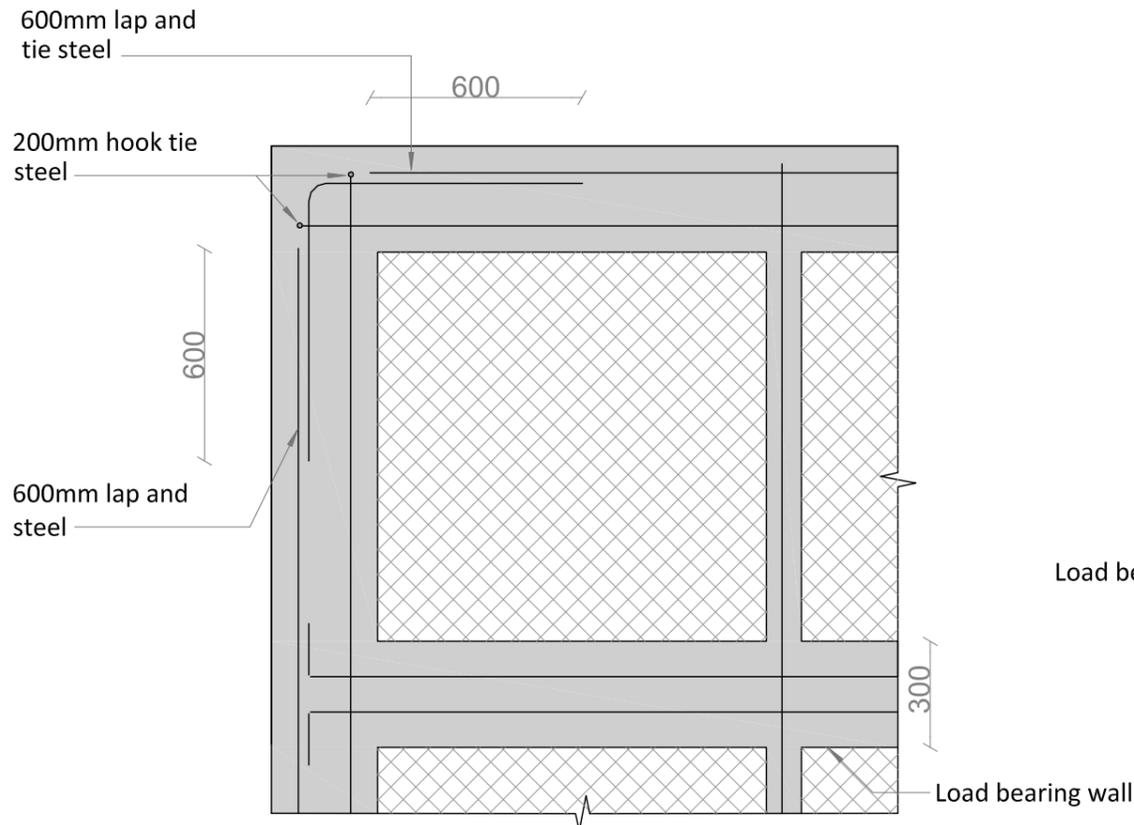


4 TYPICAL INTERNAL PAD
R111 Scale 1 : 20

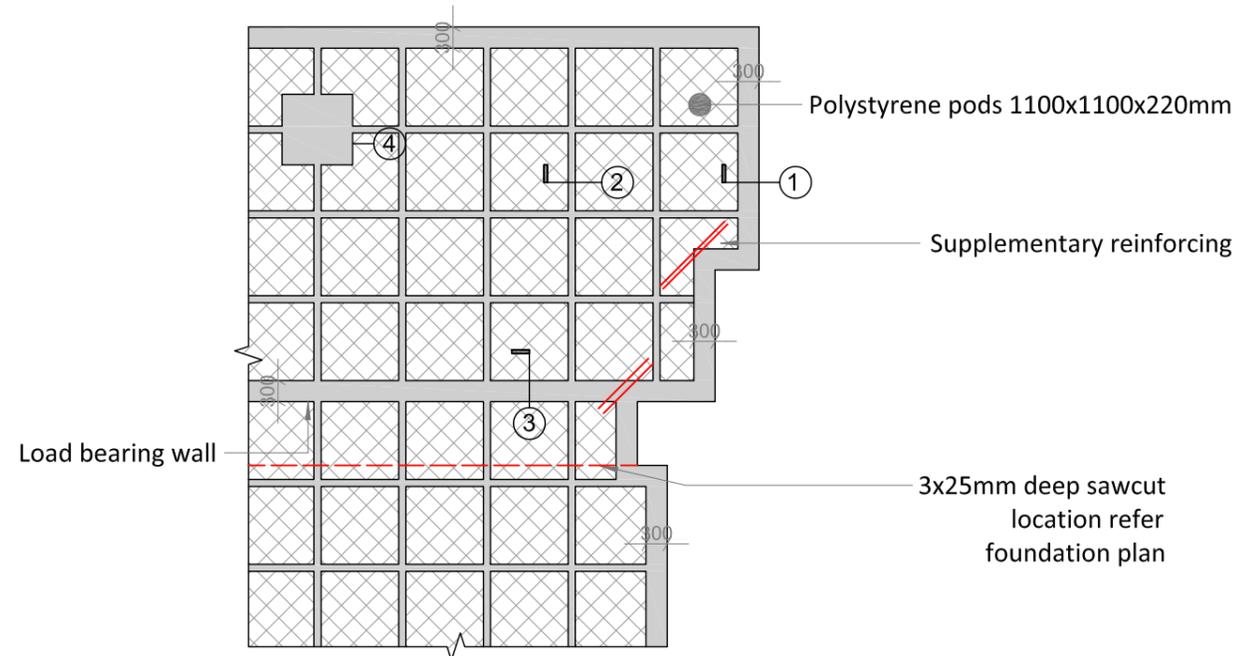
Key:
 FL - Floor Level
 CGL - Cleared Ground Level
 FGL - Finished Ground Level
 DPM - Damp Proof Membrane



5 TYPICAL FORMATION AREA - INDICATIVE ONLY
R111 Scale 1 : 200



6 TYPICAL CORNER STEEL
R111 Scale 1 : 20



7 TYPICAL FOUNDATION PLAN - INDICATIVE ONLY
R111 Scale 1 : 100

NOTES

Mesh SE62 centrally placed.
 Mesh lap SE62 1 square +50mm or 250mm.

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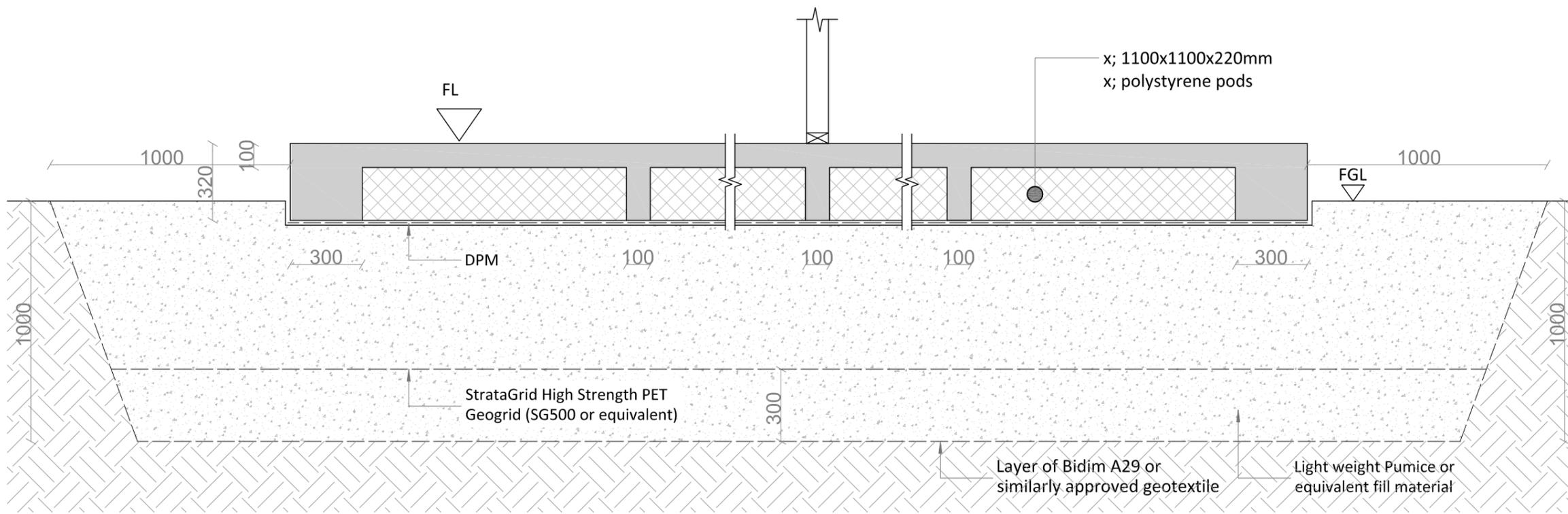
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RIBRAFT TYPICAL DETAILS

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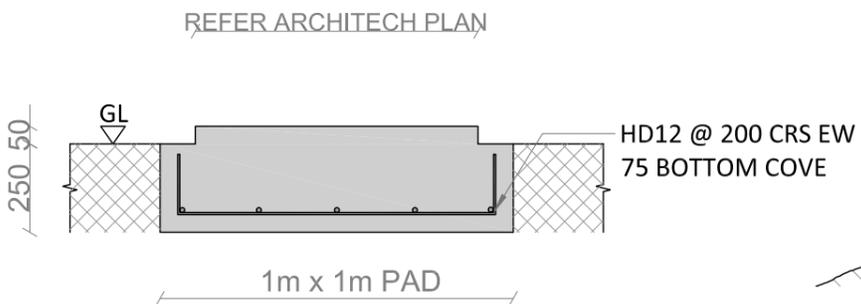
TYPICAL SECTION
(READ IN CONJUNCTION WITH L100A GEOTECHNICAL SPECIFICATION)

1
R112 Scale 1 : 20

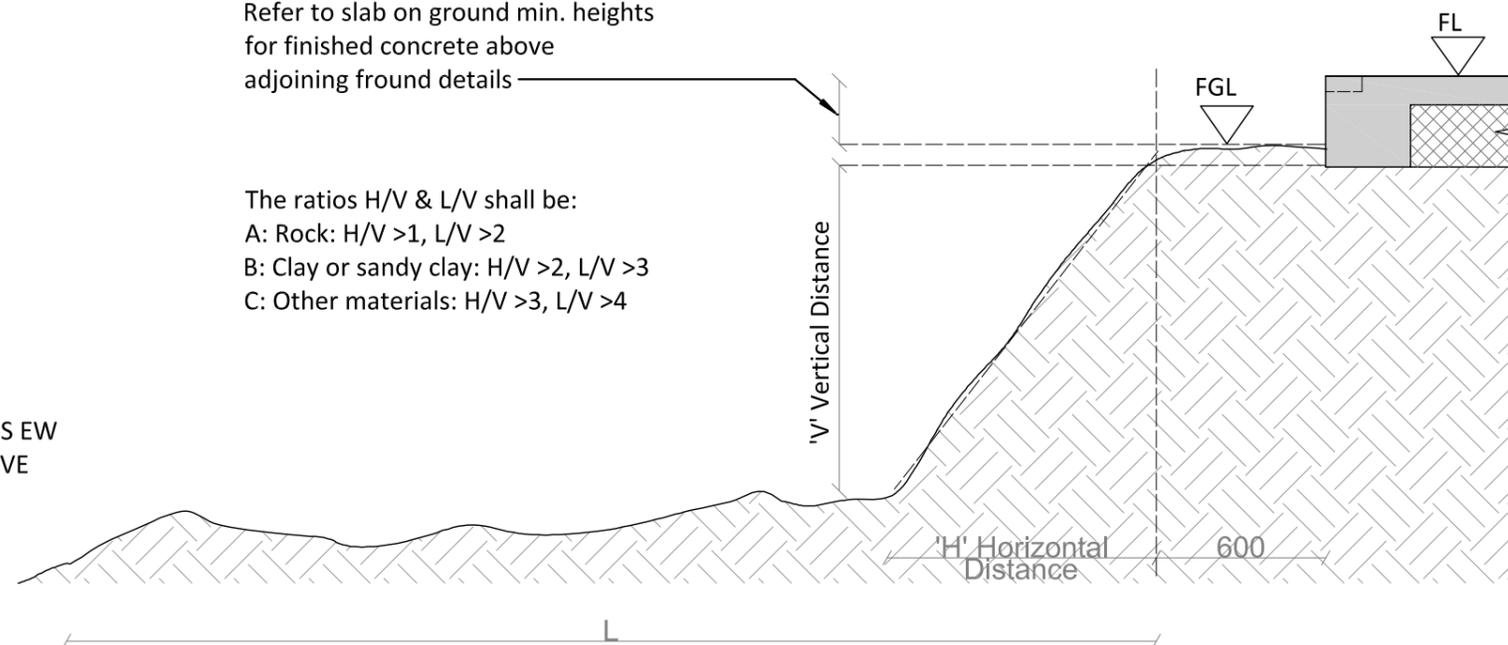
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Refer to slab on ground min. heights
for finished concrete above
adjoining ground details

The ratios H/V & L/V shall be:
A: Rock: H/V >1, L/V >2
B: Clay or sandy clay: H/V >2, L/V >3
C: Other materials: H/V >3, L/V >4



3
R112 **BRICK COLUMN DETAIL**
Scale 1 : 20



4
R112 **TYPICAL SLOPING GROUND**
Scale 1 : 25

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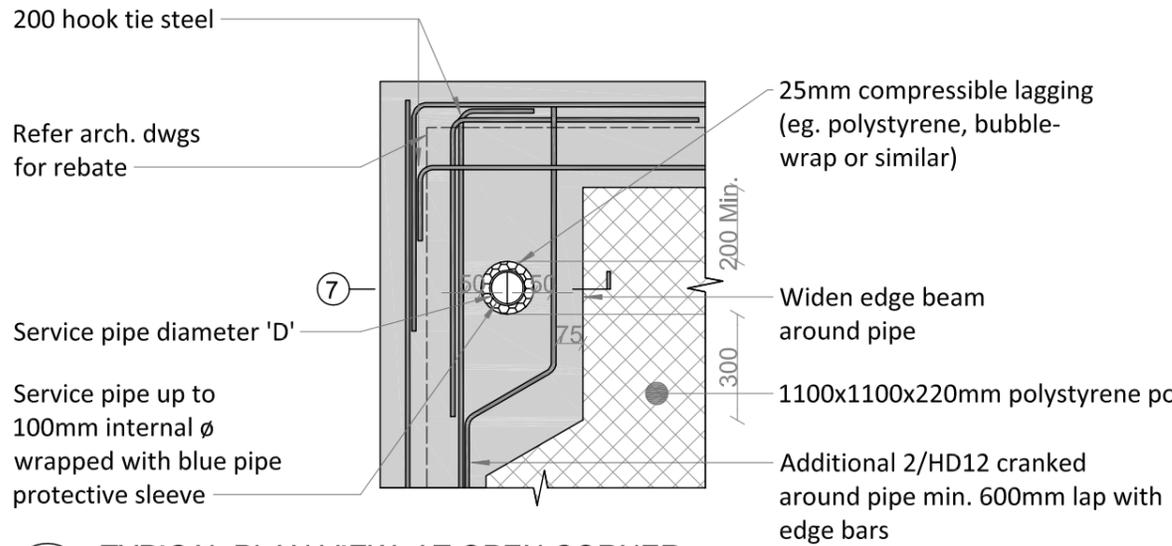
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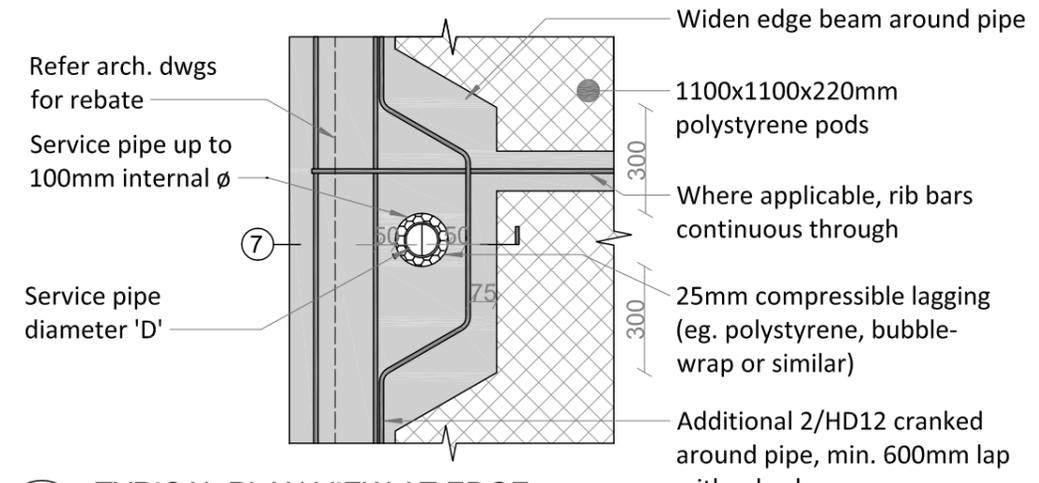
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**TYPICAL CROSS SECTION
AND DETAILS**

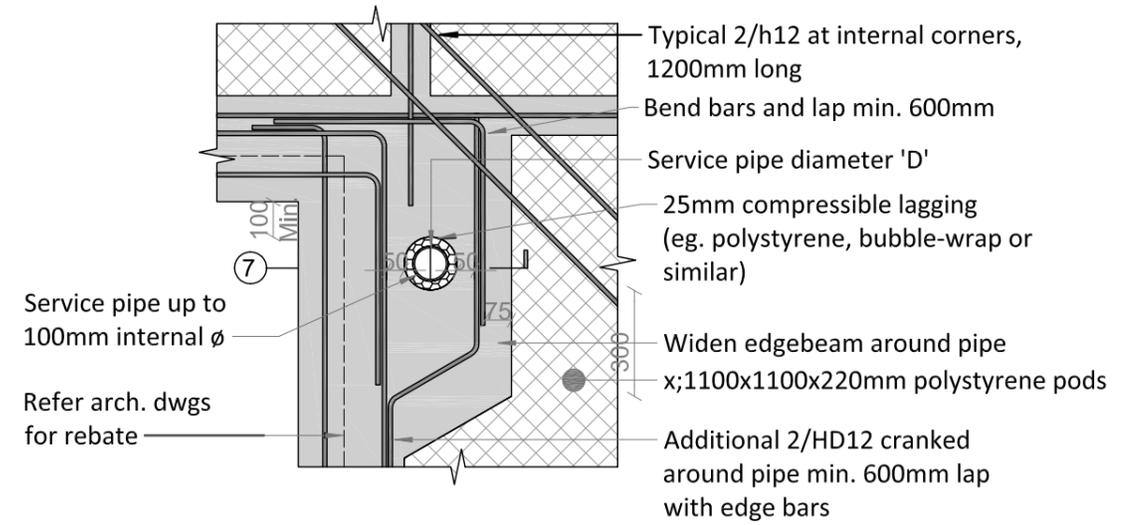
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SCALE	A3	R1 12	0



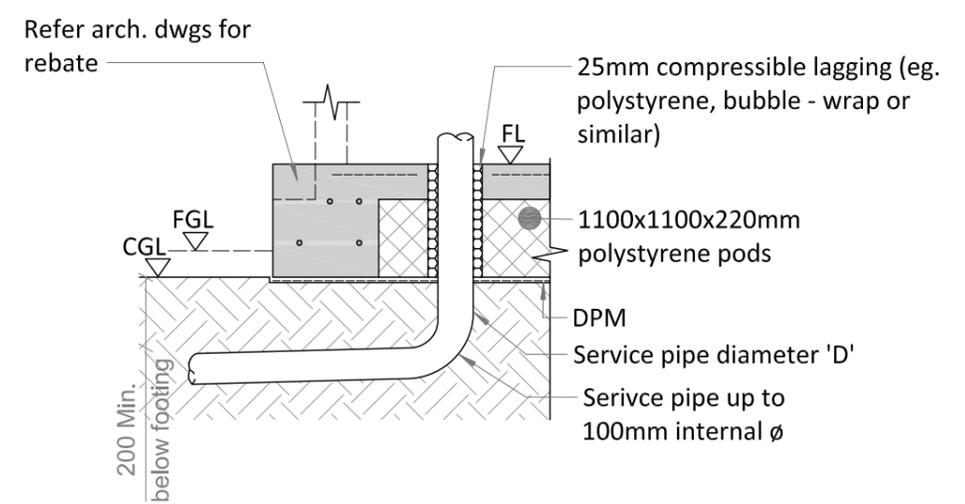
1 TYPICAL PLAN VIEW: AT OPEN CORNER
R113 Scale 1 : 20



2 TYPICAL PLAN VIEW AT EDGE
R113 Scale 1 : 20

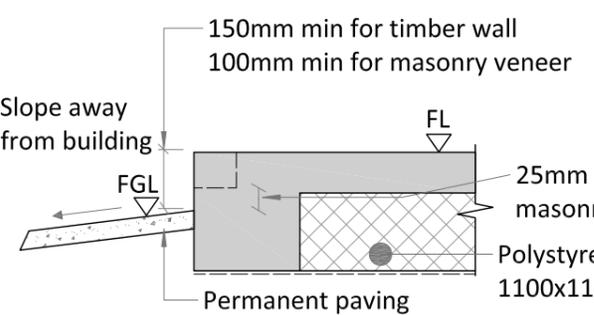


3 TYPICAL PLAN VIEW: AT CLOSED CORNER
R113 Scale 1 : 20

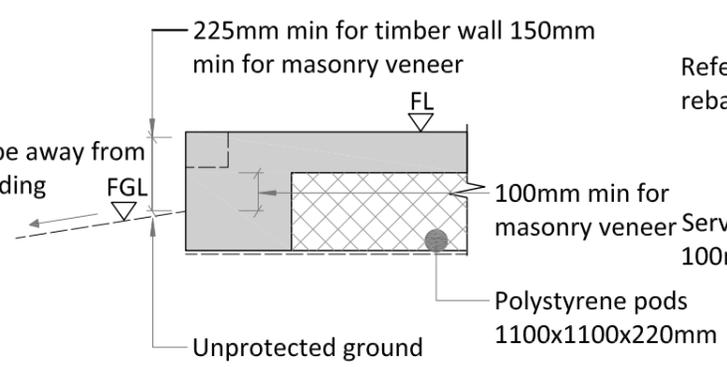


4 TYPICAL SERVICE PIPE TO FLEXIBLE CONNECTION
R113 Scale 1 : 20

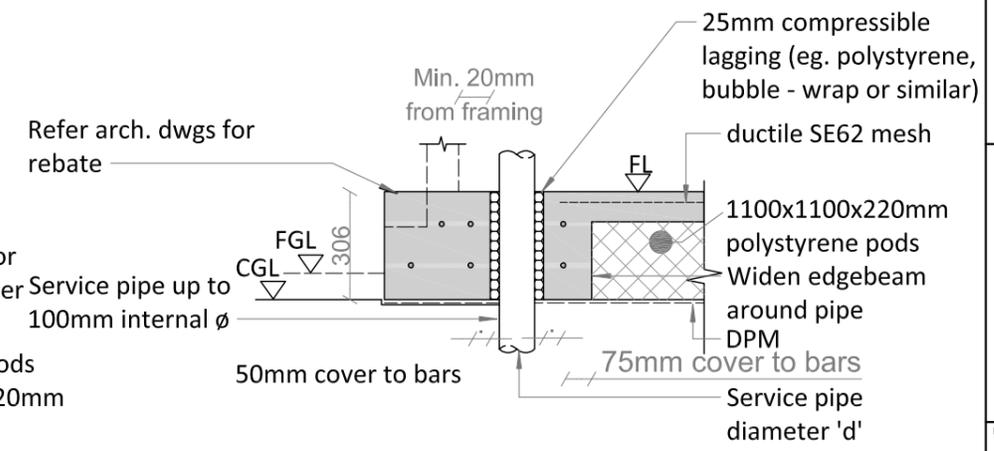
Slab on ground minimum heights of finished concrete above adjoining ground



5 TYPICAL PAVED AREAS
R113 Scale 1 : 20



6 TYPICAL NON PAVED AREAS
R113 Scale 1 : 20



7 TYPICAL SECTION VIEW: AT EDGE
R113 Scale 1 : 20

NOTES

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