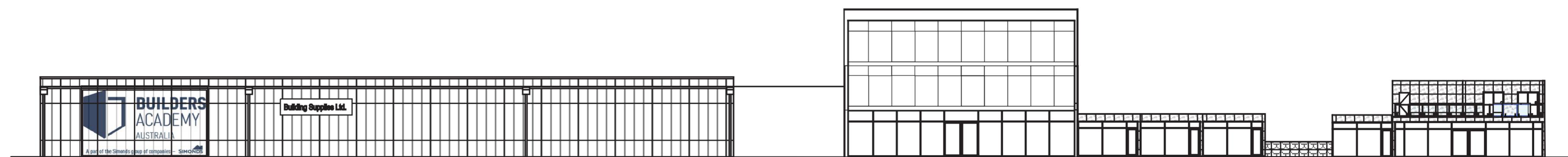
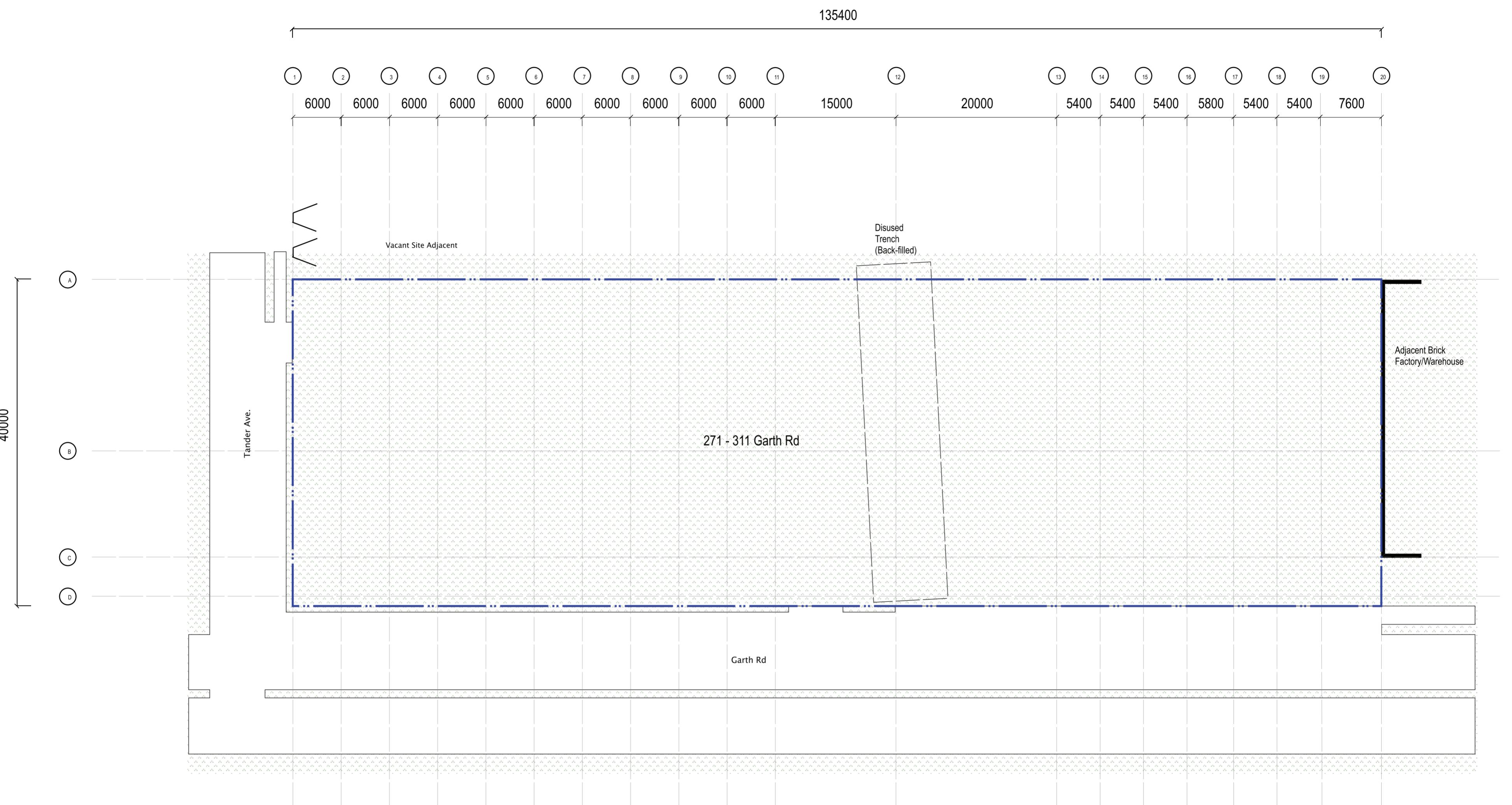


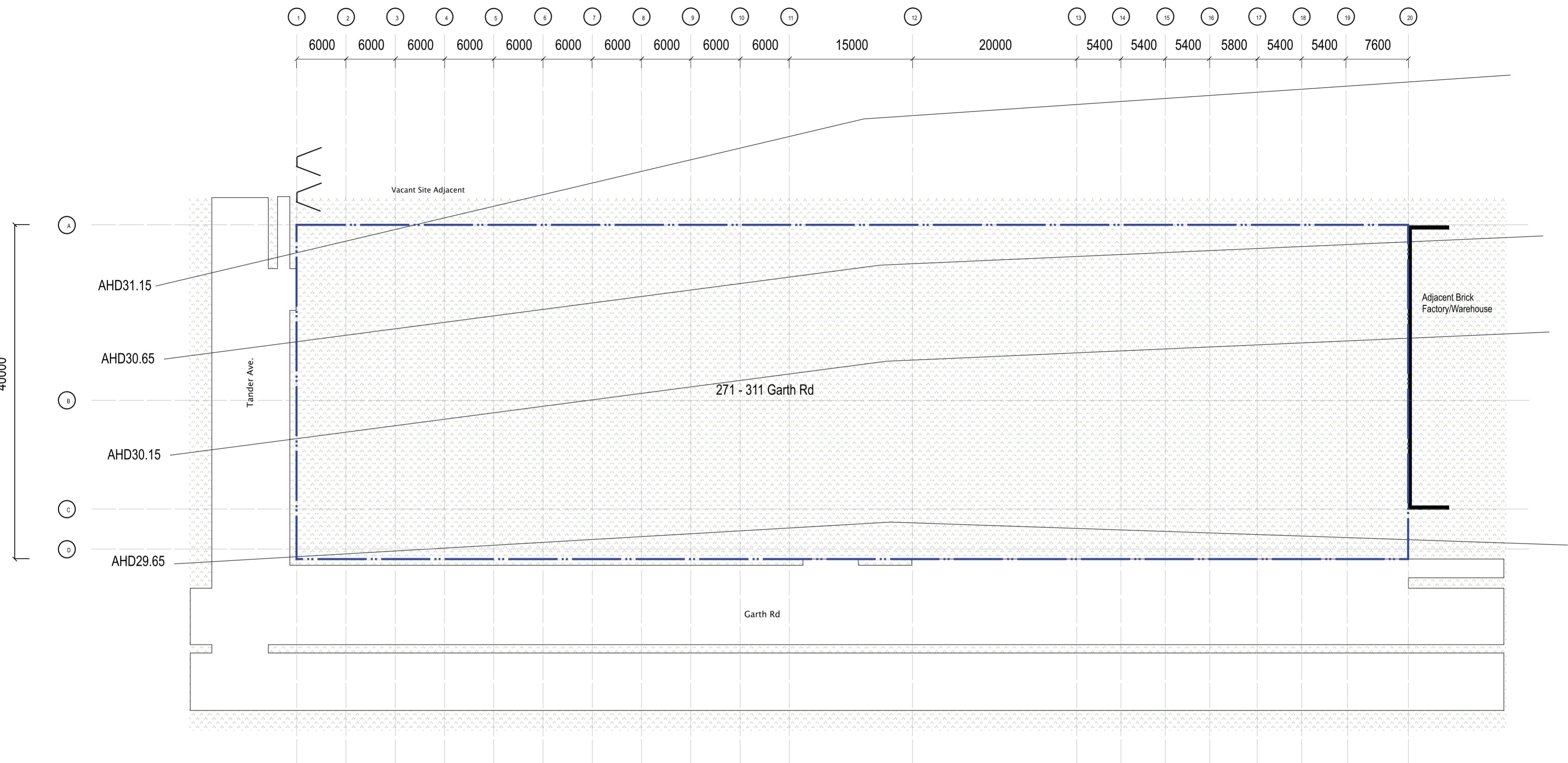


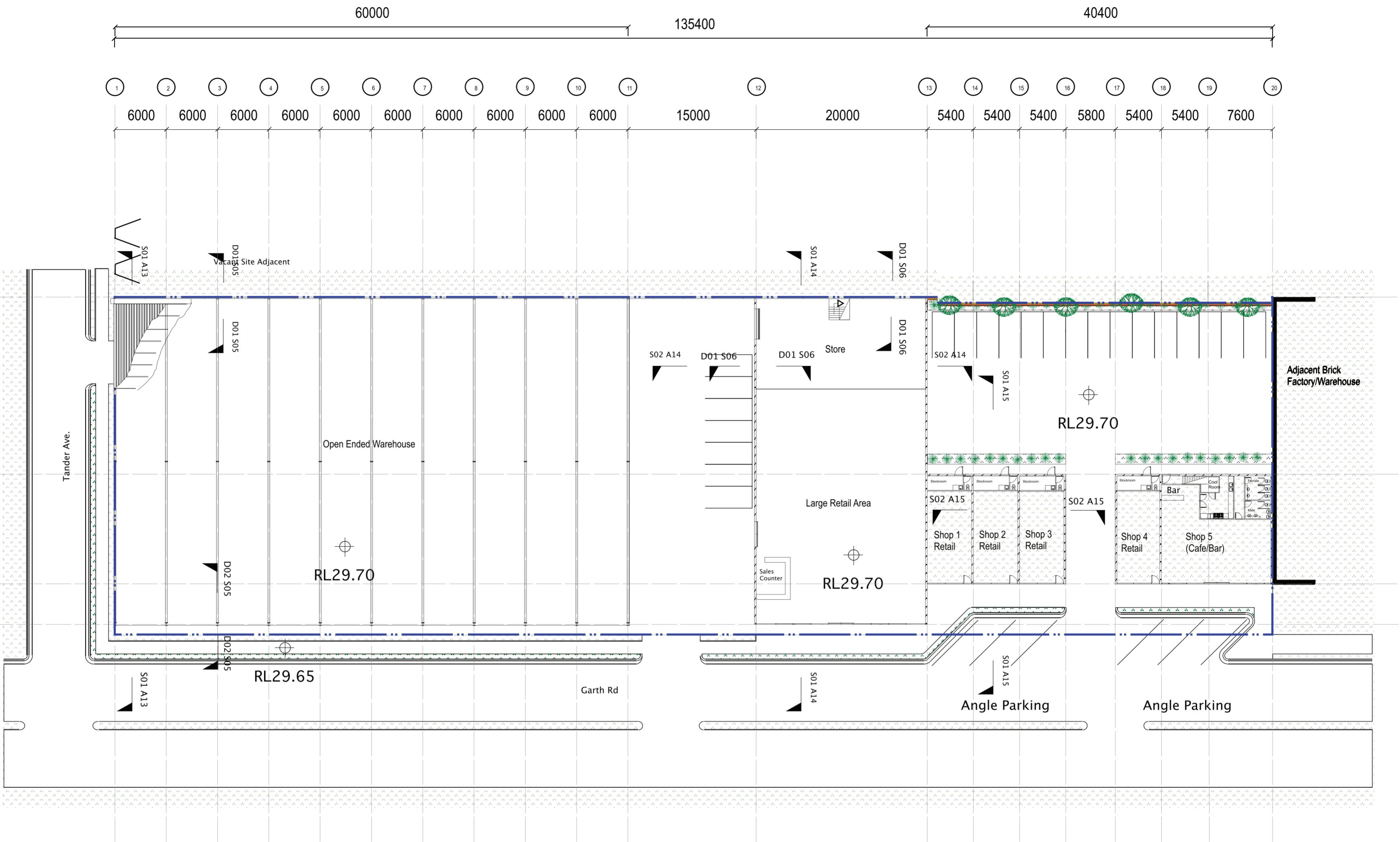
Project No. 20361  
Builders Academy Australia  
RETAIL COMPLEX  
271 - 311 Garth Rd

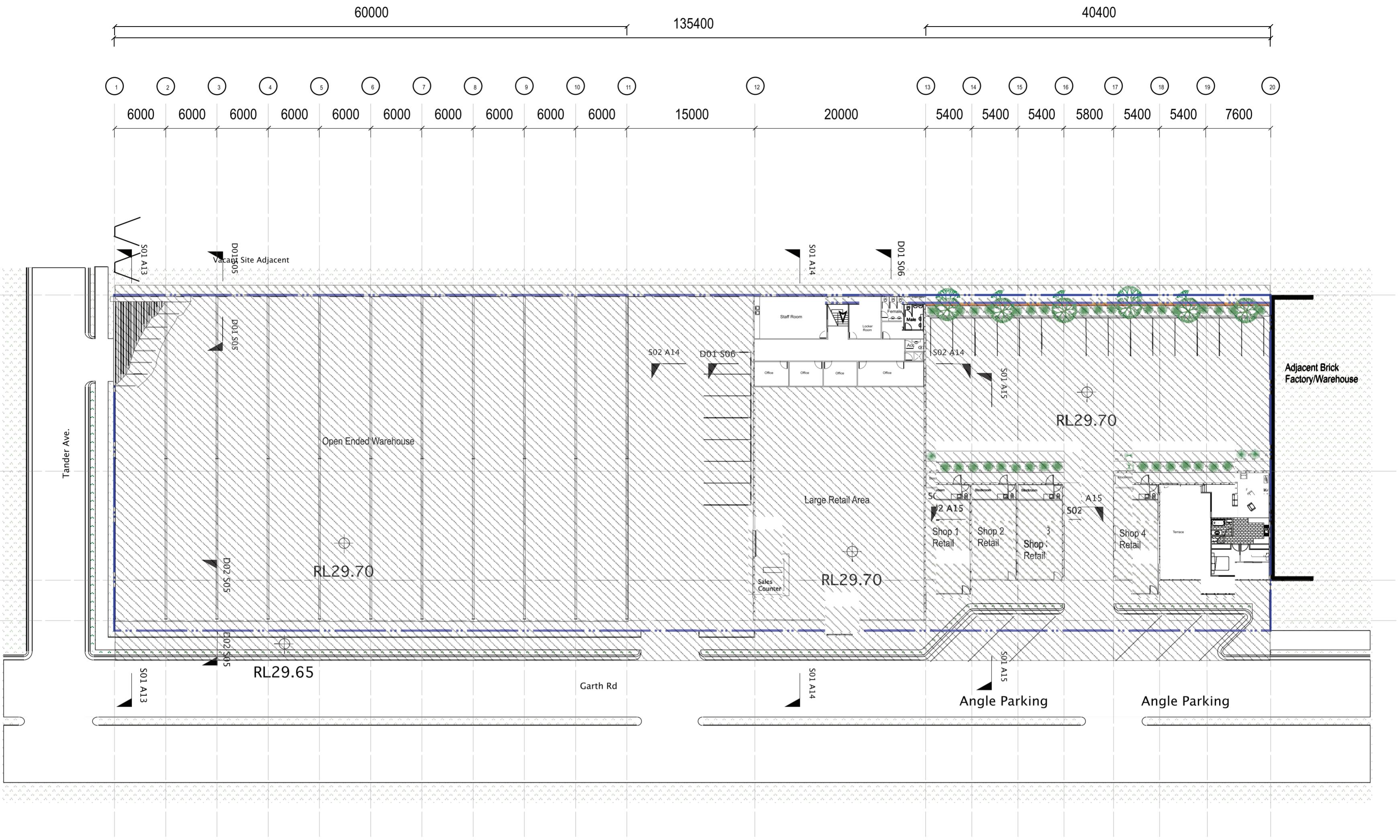


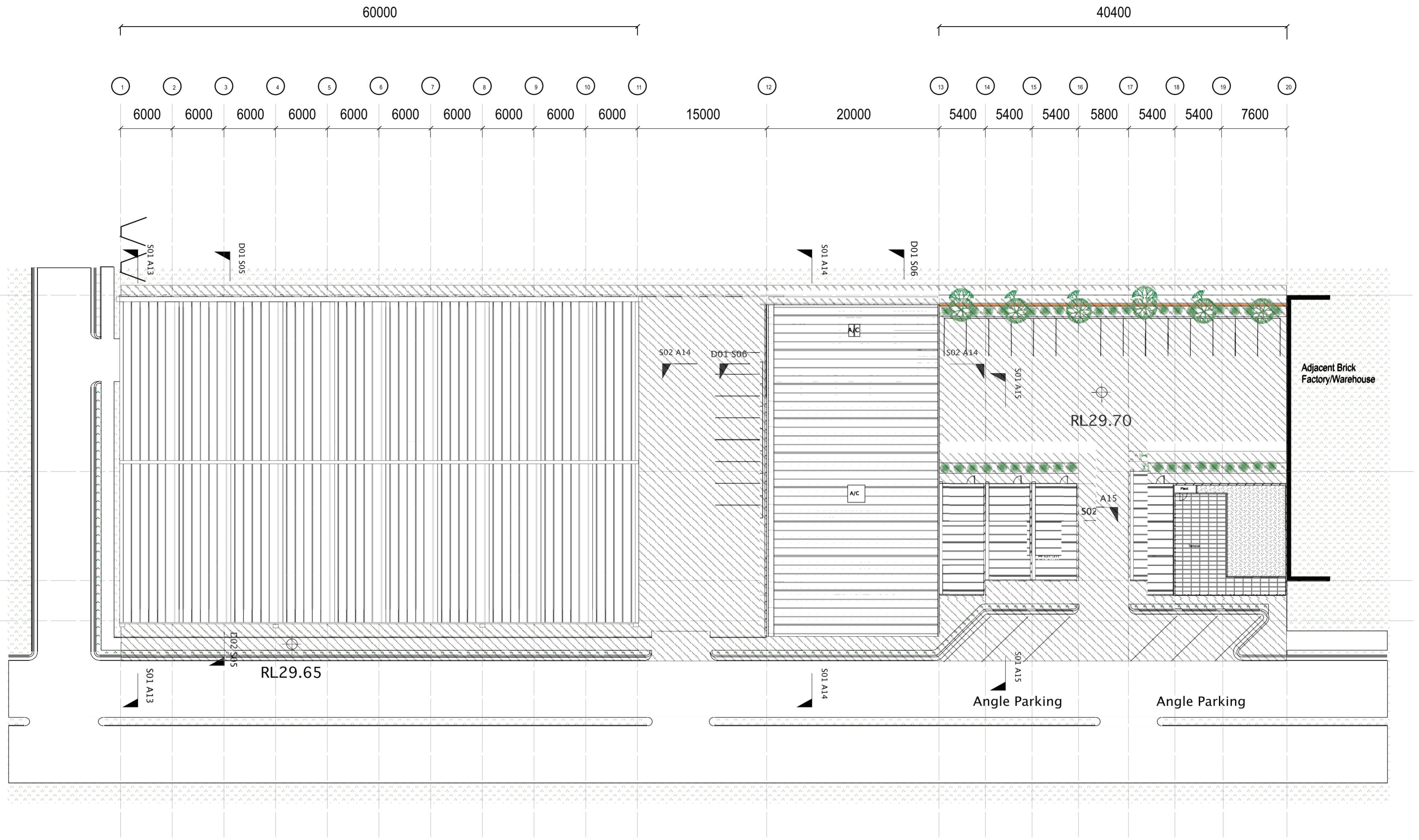


135400 1

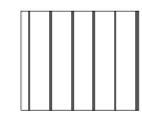








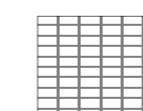
Steel Deck Roof Sheeting  
Lyshart integrity 820 or Similar



Polycarbonate Roof Lights  
to Warehouse roof

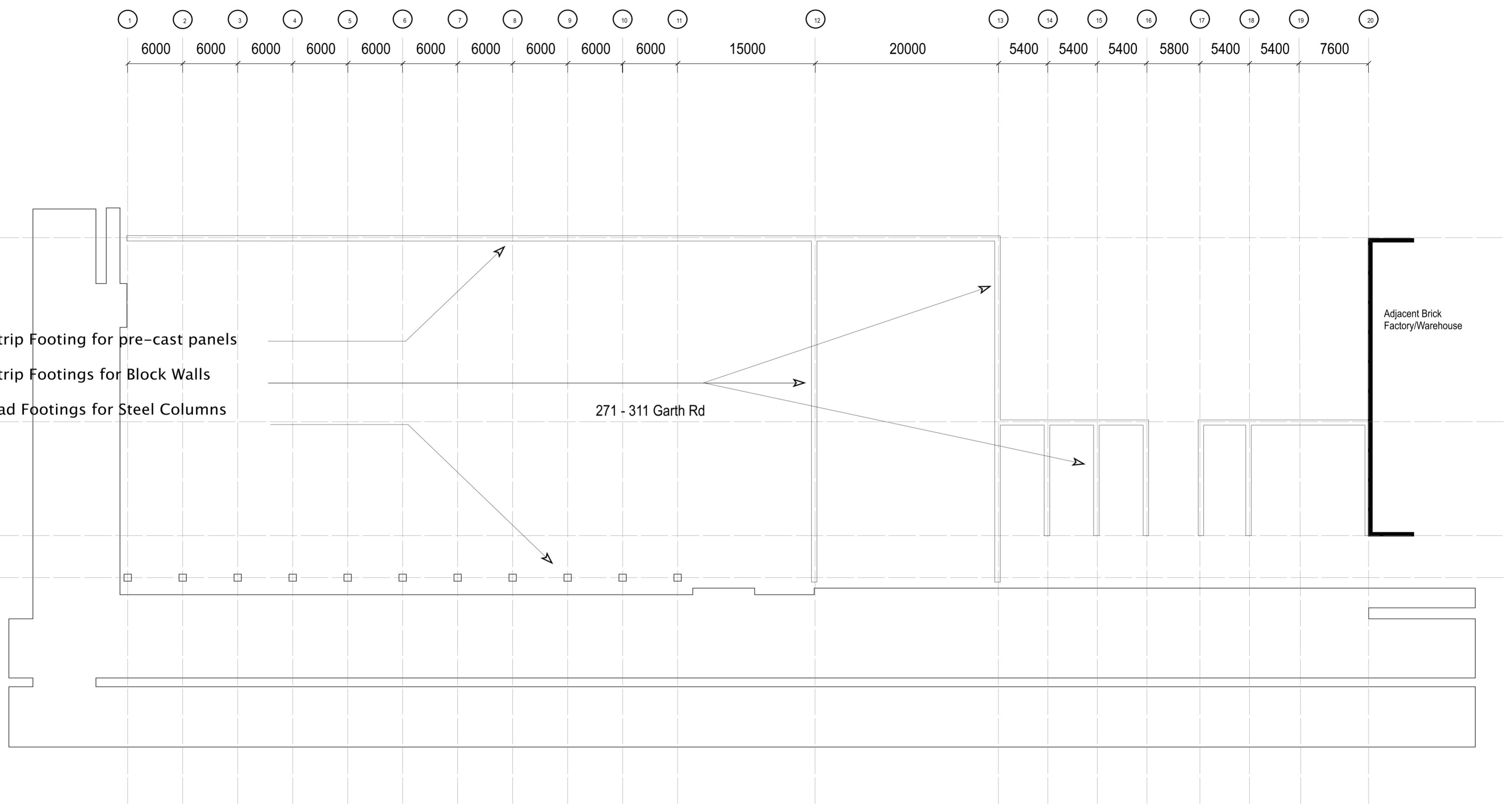


Quarry Tiles on waterproof  
Membrane to roof terrace

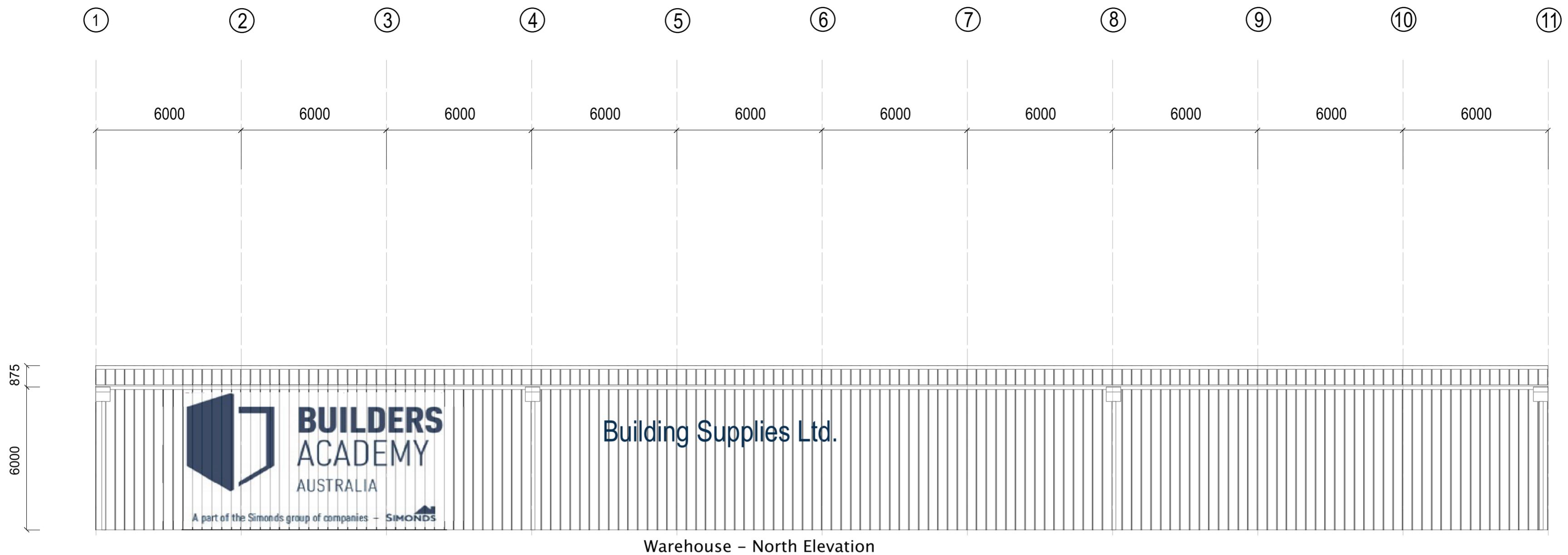


Sikaplan 12G Exposed  
Membrane system to roof

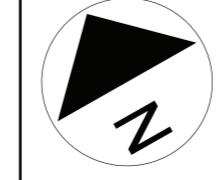
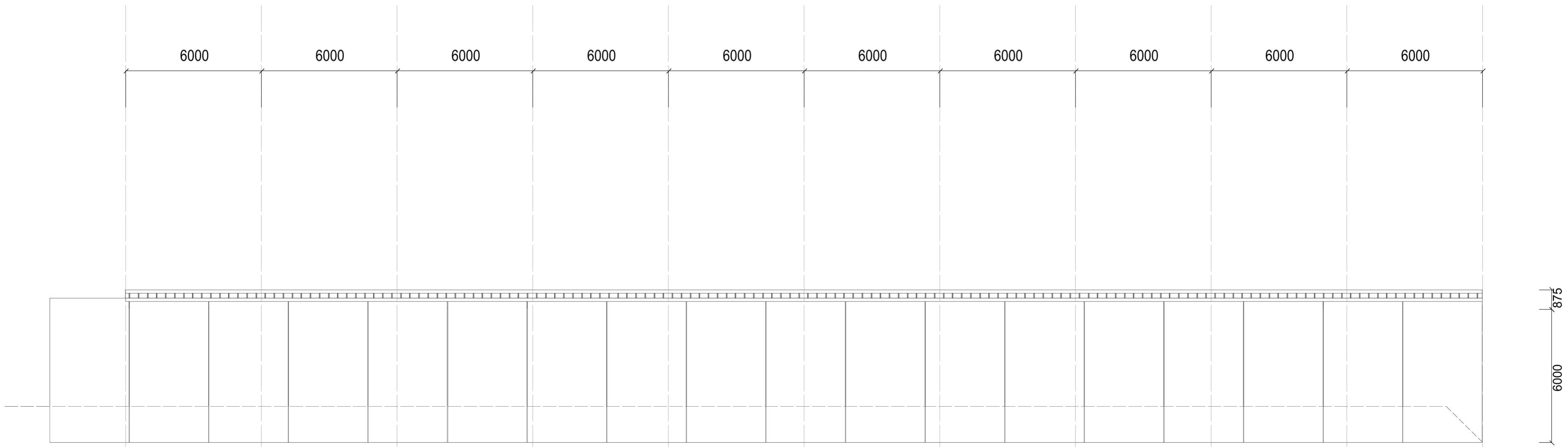


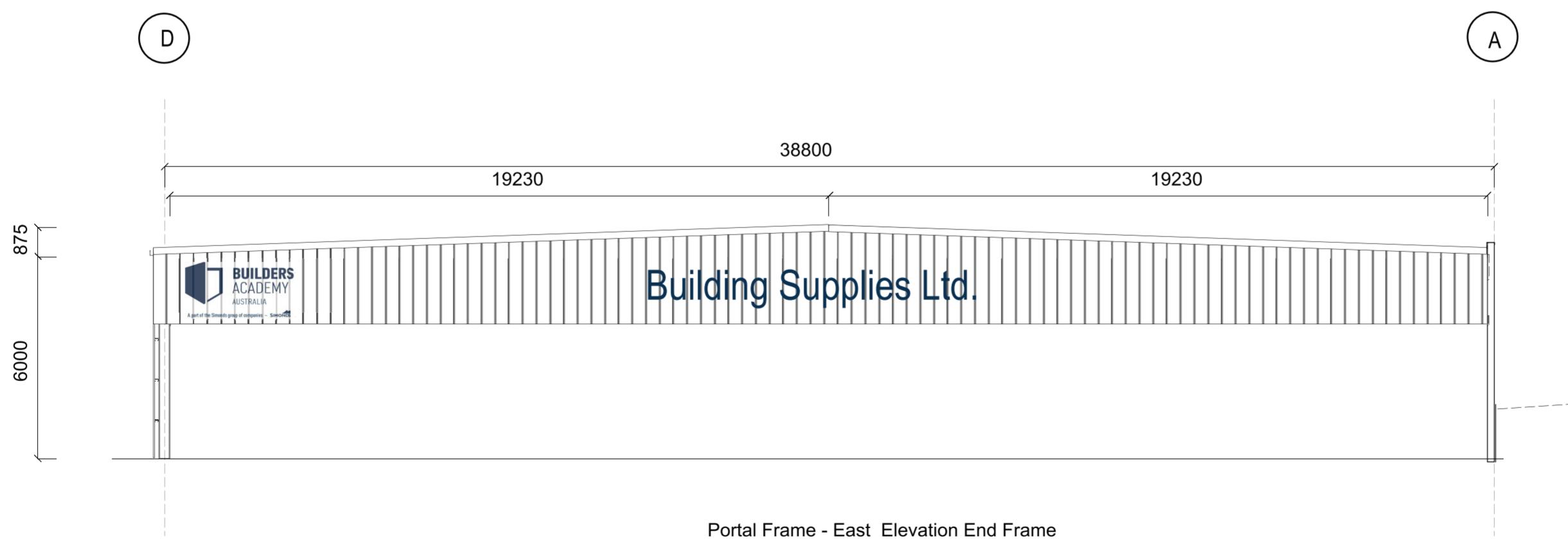
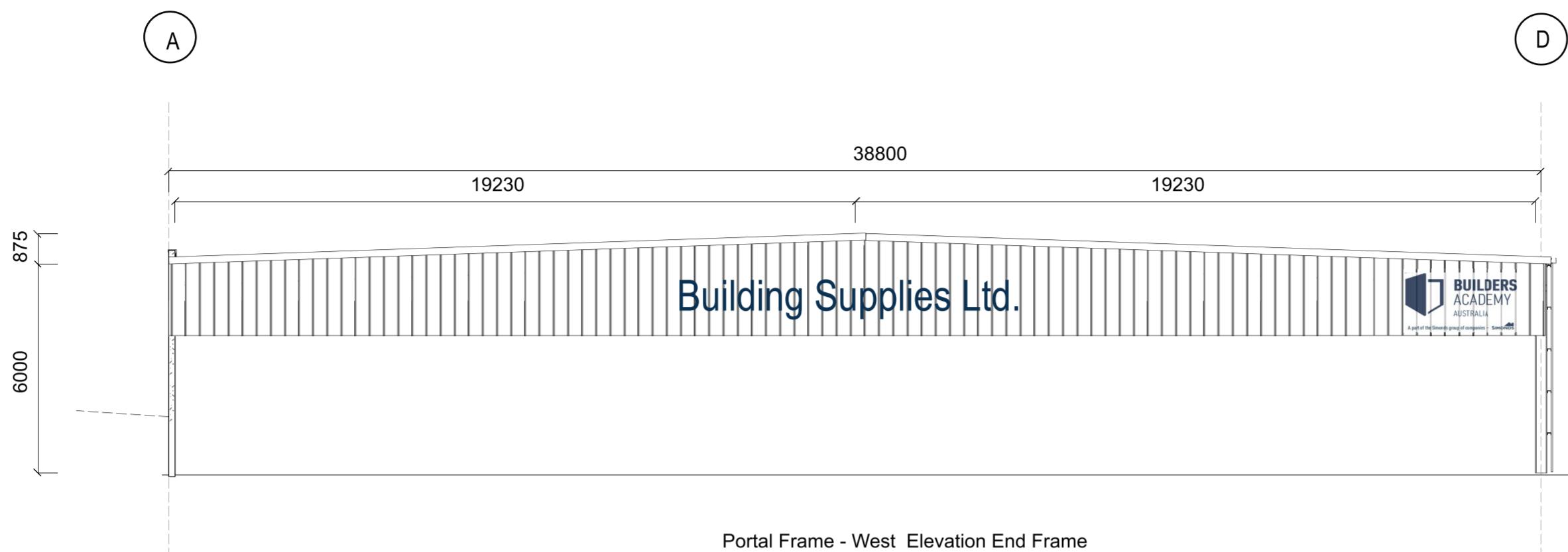


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⑪ ⑩ ⑨ ⑧ ⑦ ⑥ ⑤ ④ ③ ② ①

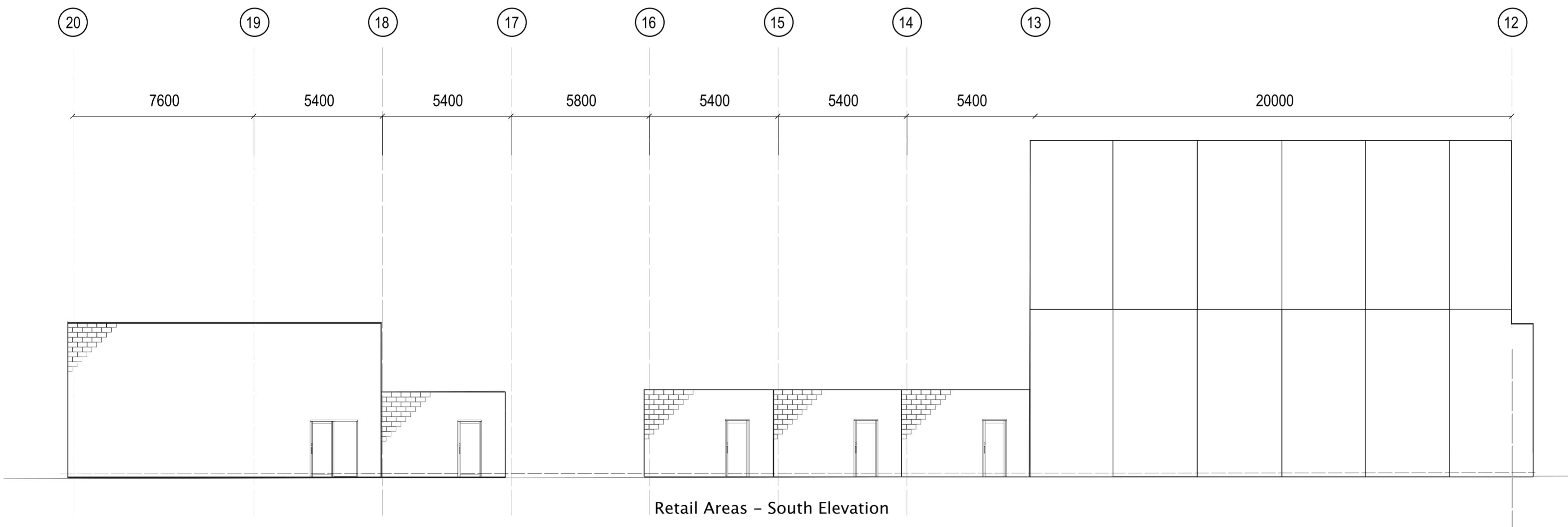




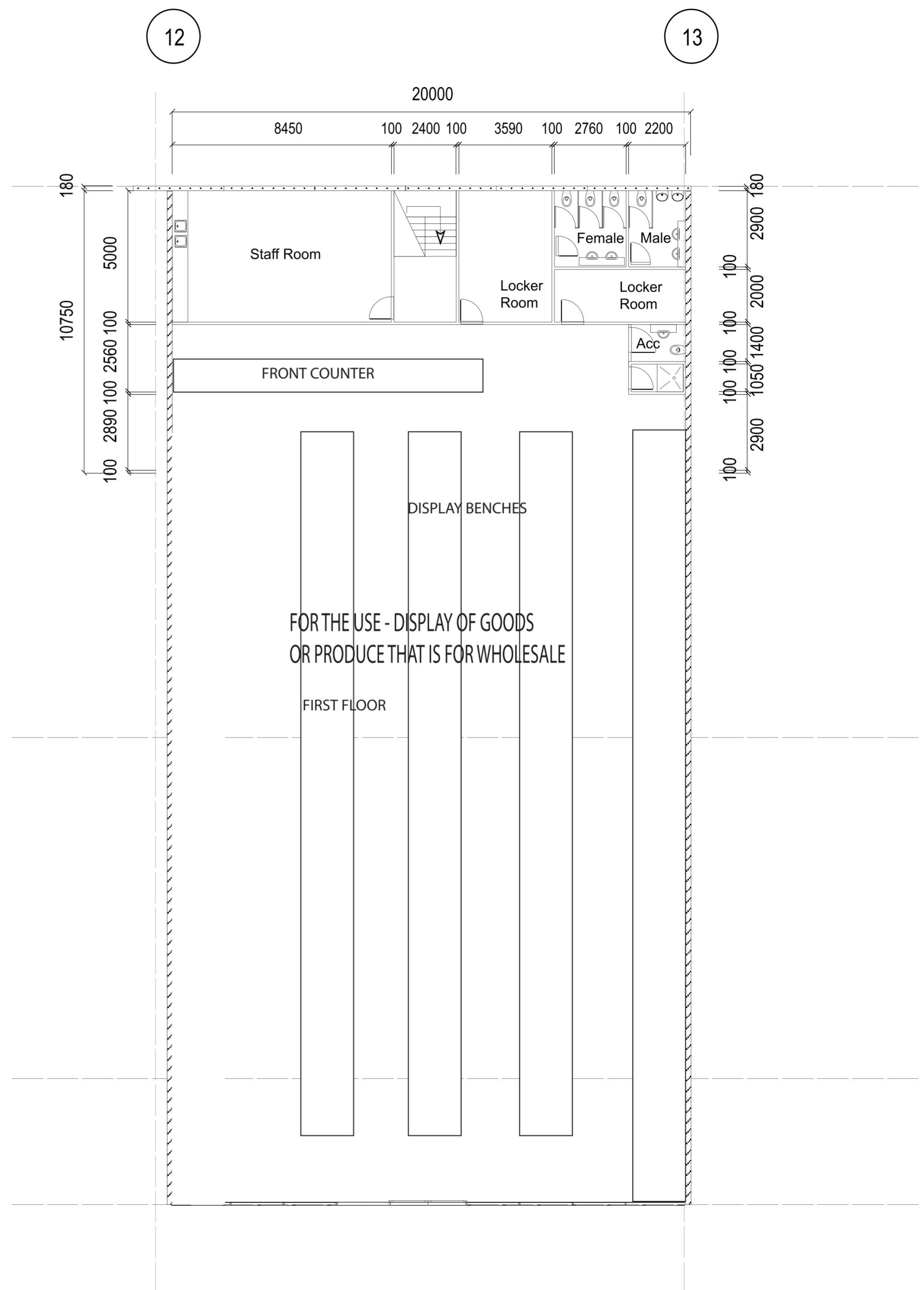
Builders Academy Australia Level 4, 570 St Kilda Rd Melbourne VIC 3004	BUILDERS ACADEMY AUSTRALIA <small>A part of the Simonds group of companies - SIMONDS</small>	Do not Scale from drawings. Verify all dimensions on site. Copyright applies to this drawing. No part maybe used or reproduced without permission.	Project.  Builders Academy Australia RETAIL DEVELOPMENT	Drawing.  East and West Elevations Grid A - D Construction Zone 1		Scale.  1:500	Project No. 20361	Job No. 4808	Issue.  Design
					<small>Date: 07/07/2021 Rev.: A Preliminary Design Date: Version 2.2 Amendment</small>	<small>Date: 07/07/2021 Rev.: J.B. D.M.</small>	<small>Drawn by: Checked by:</small>	<small>Rev.: Drawing No.: A-08 A</small>	

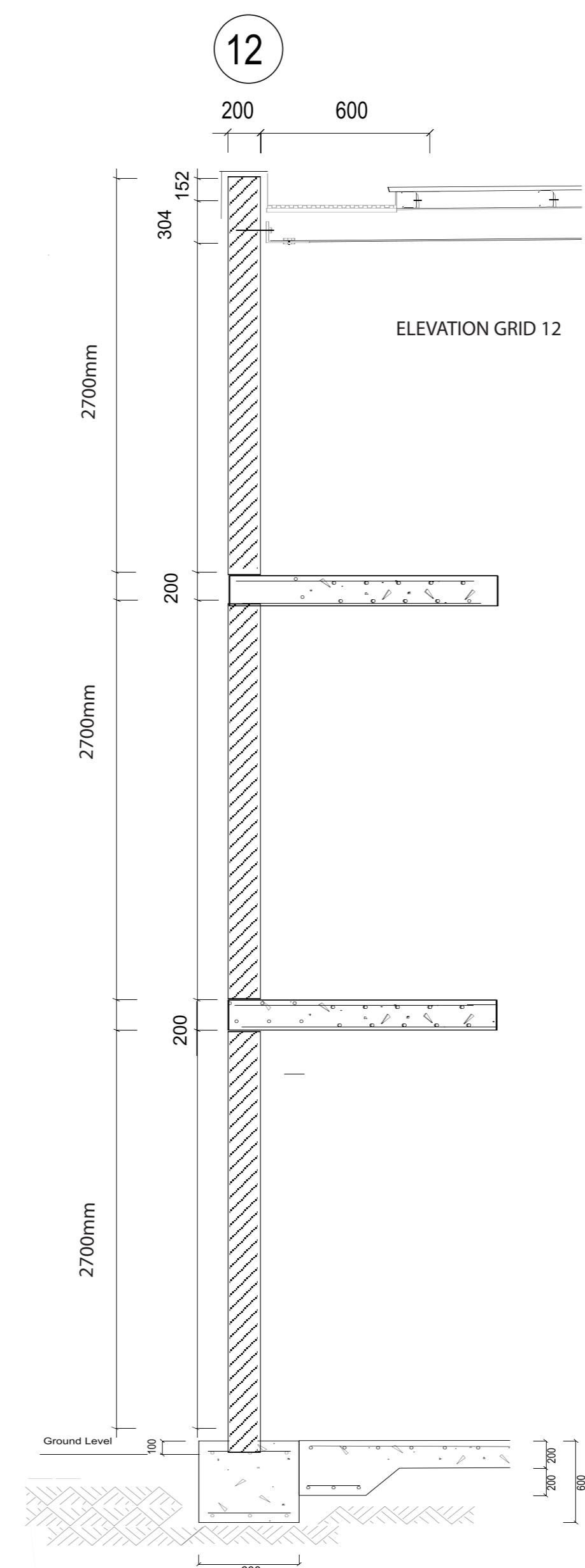
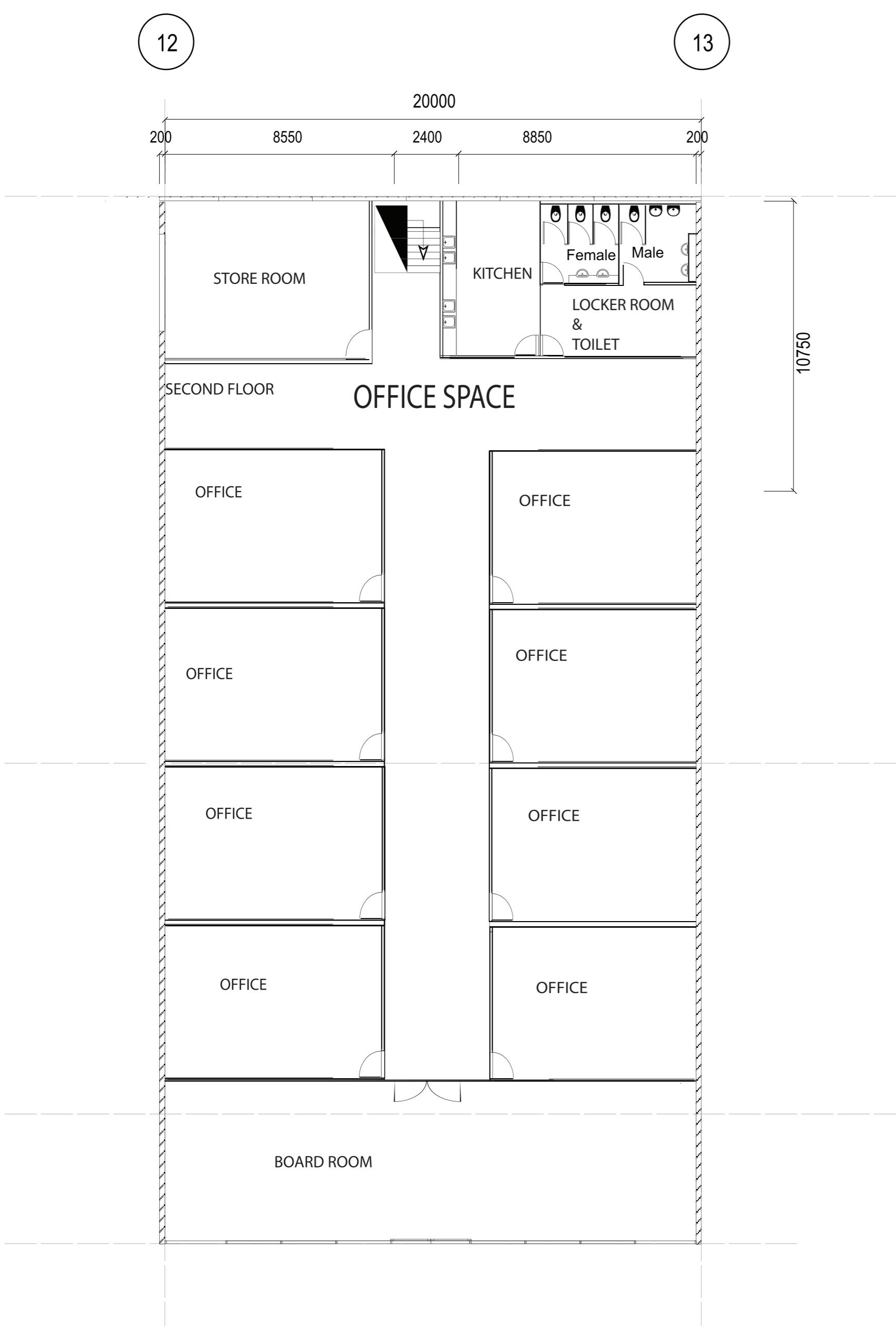


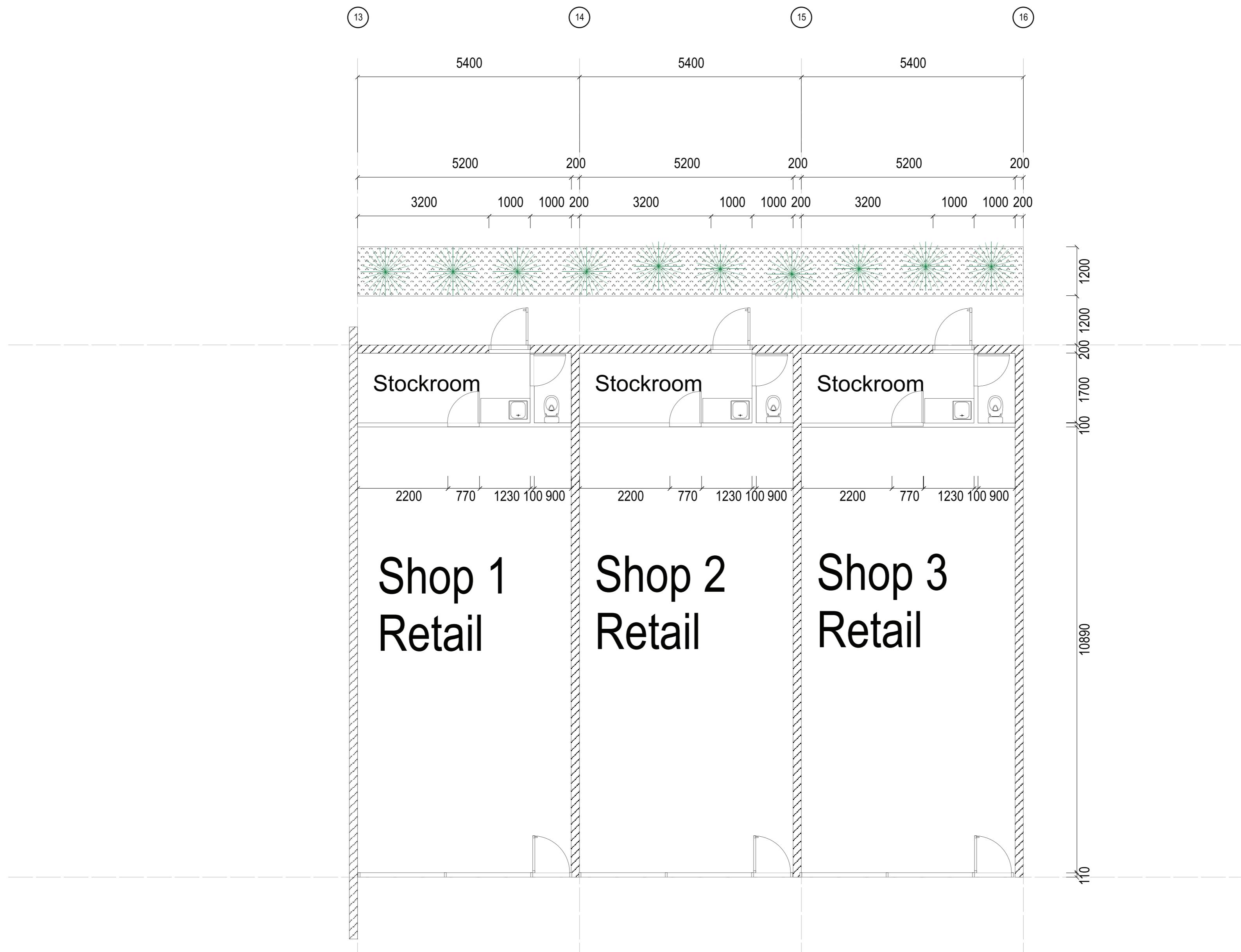
Retail Areas – North Elevation

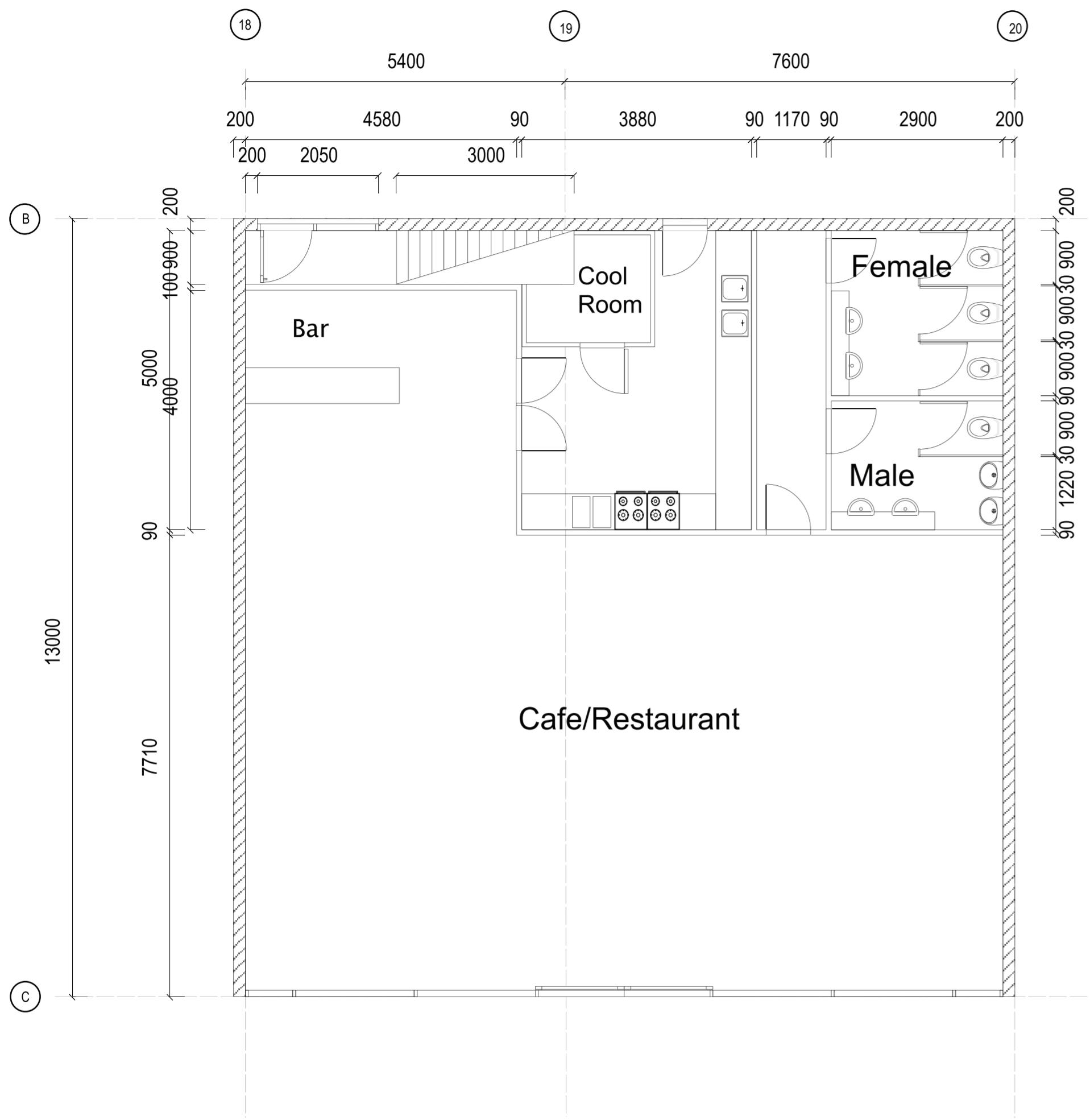


Retail Areas – South Elevation

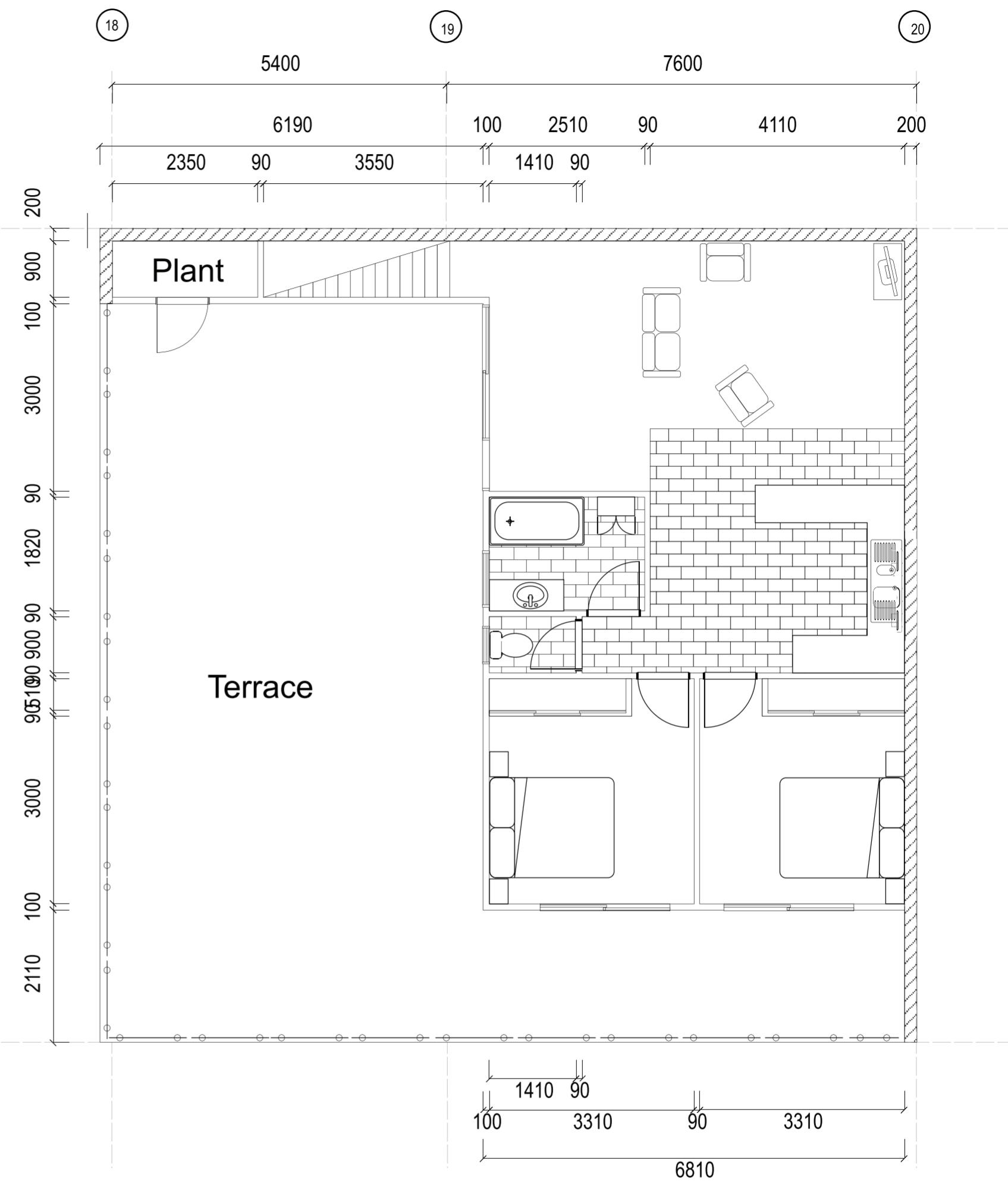






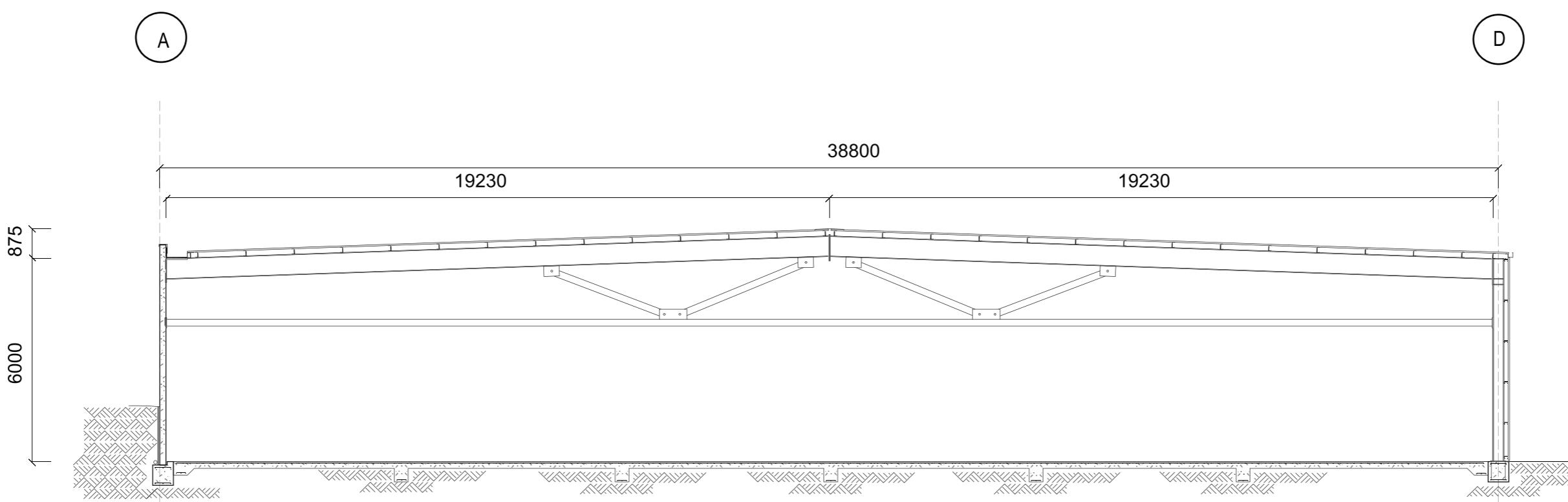


## Ground Floor Plan – Cafe' / Restaurant

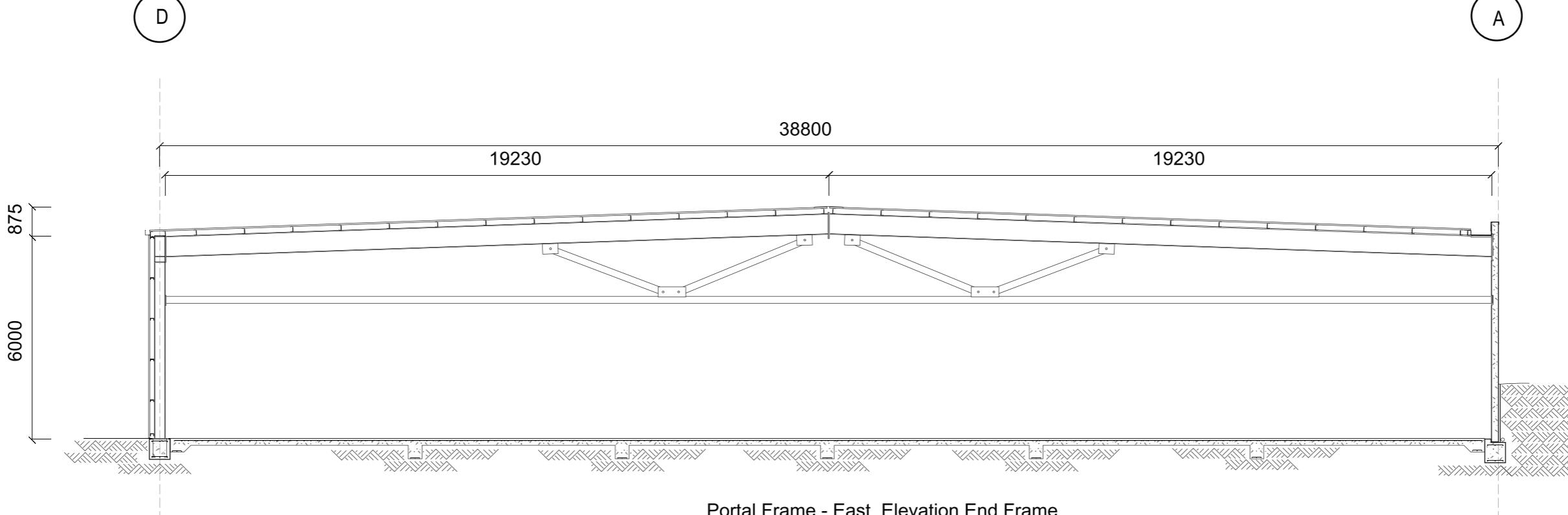


## First Floor – Residential Unit

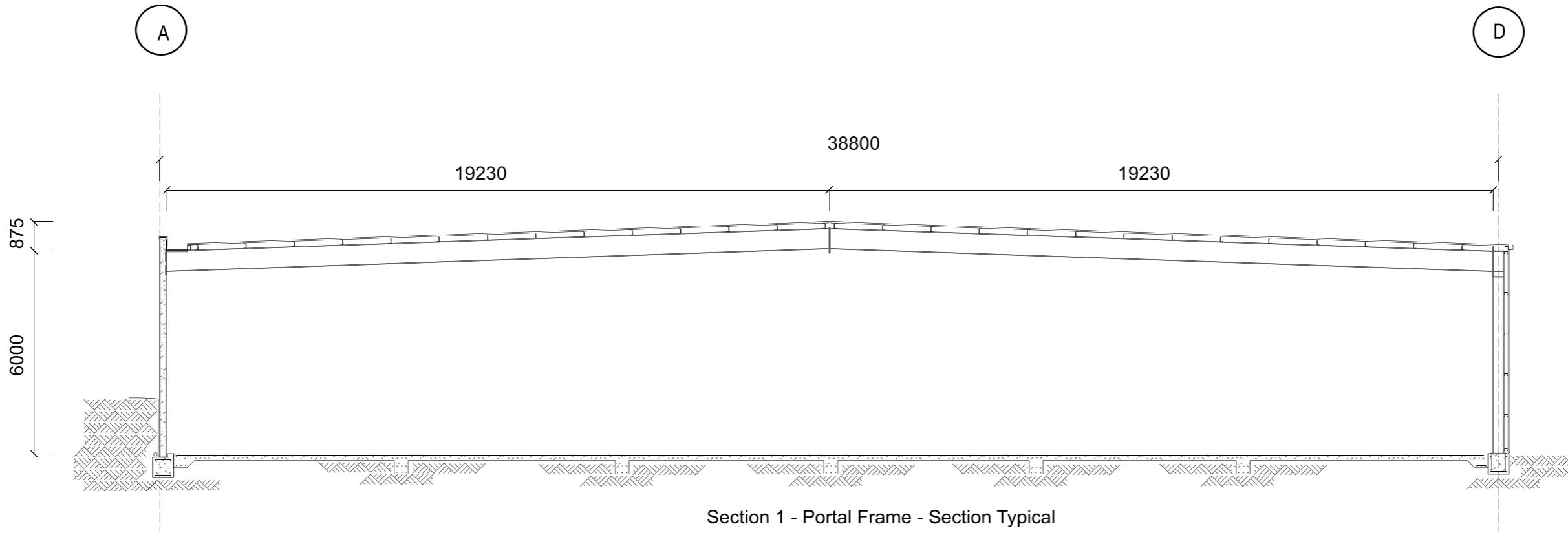




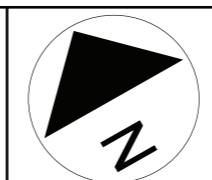
Portal Frame - West Elevation End Frame

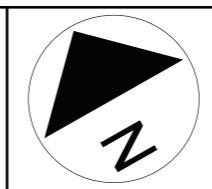
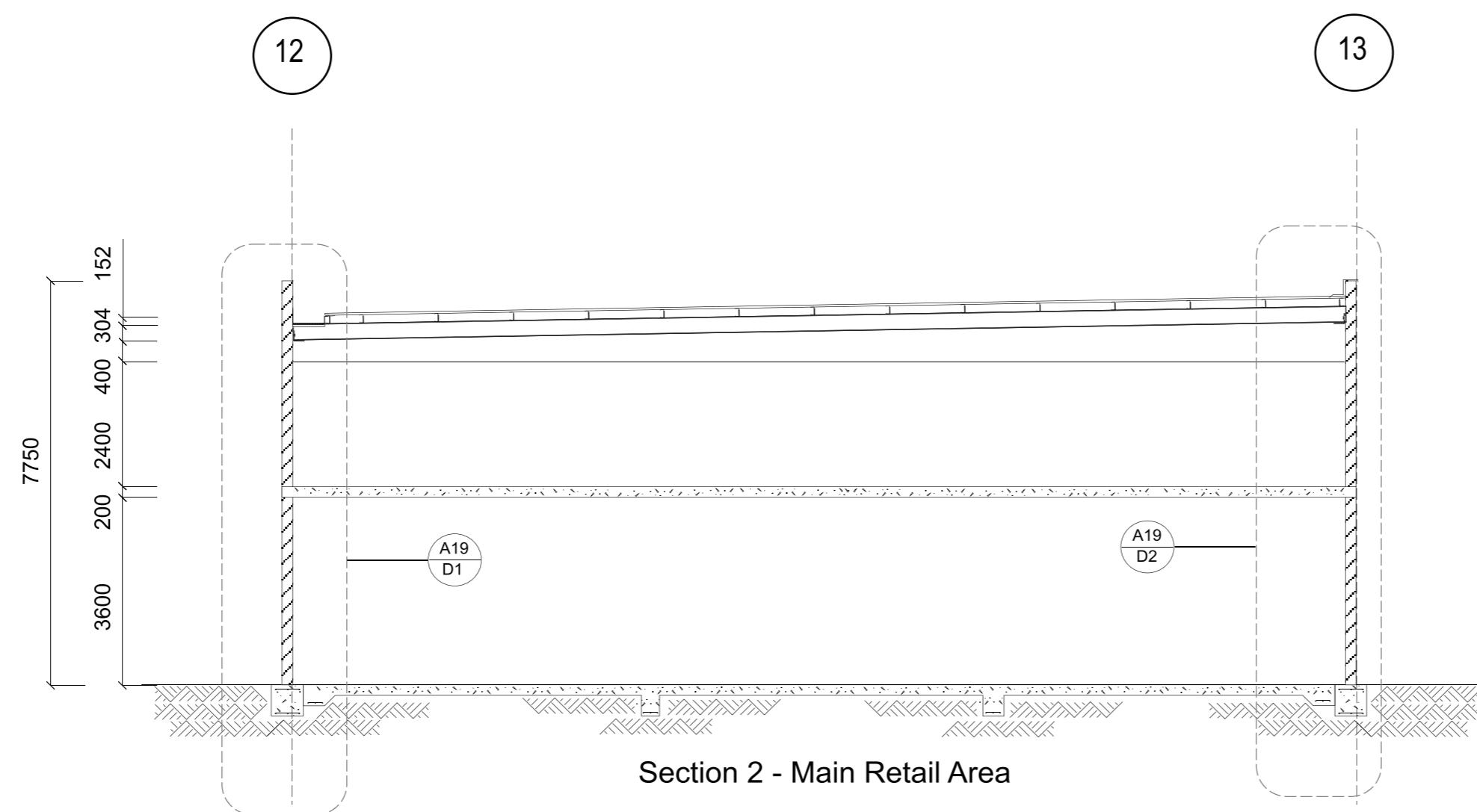
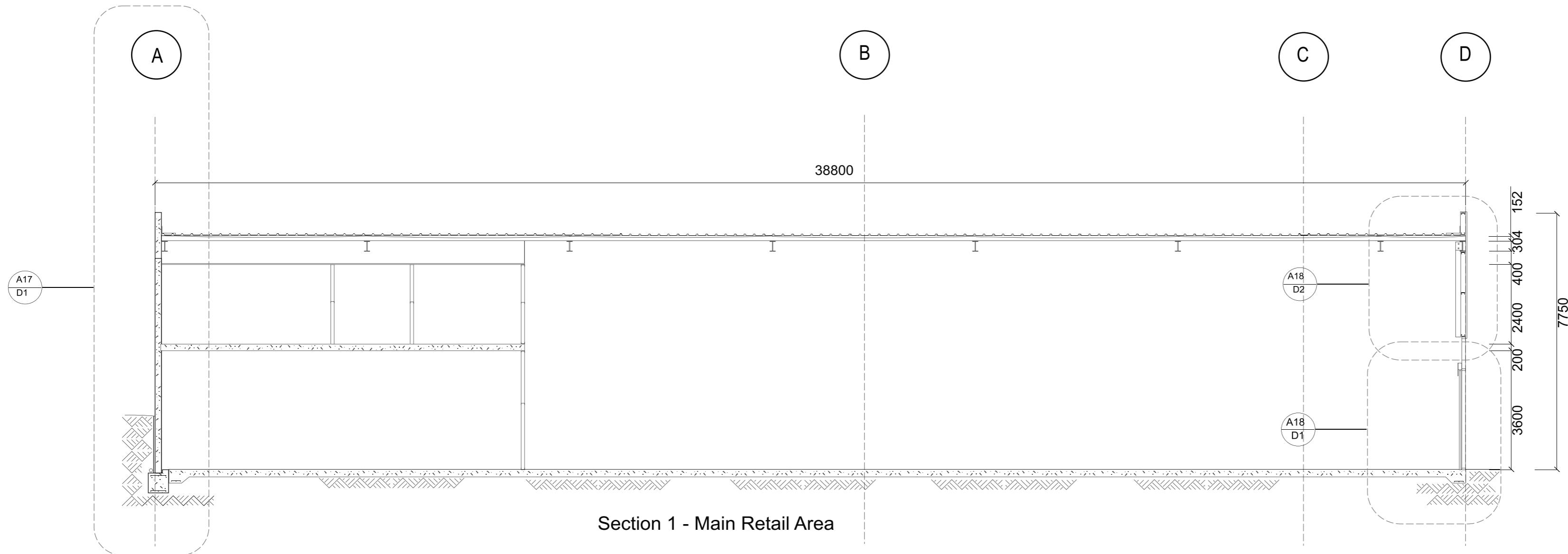


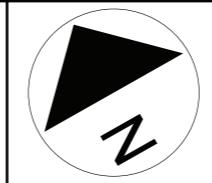
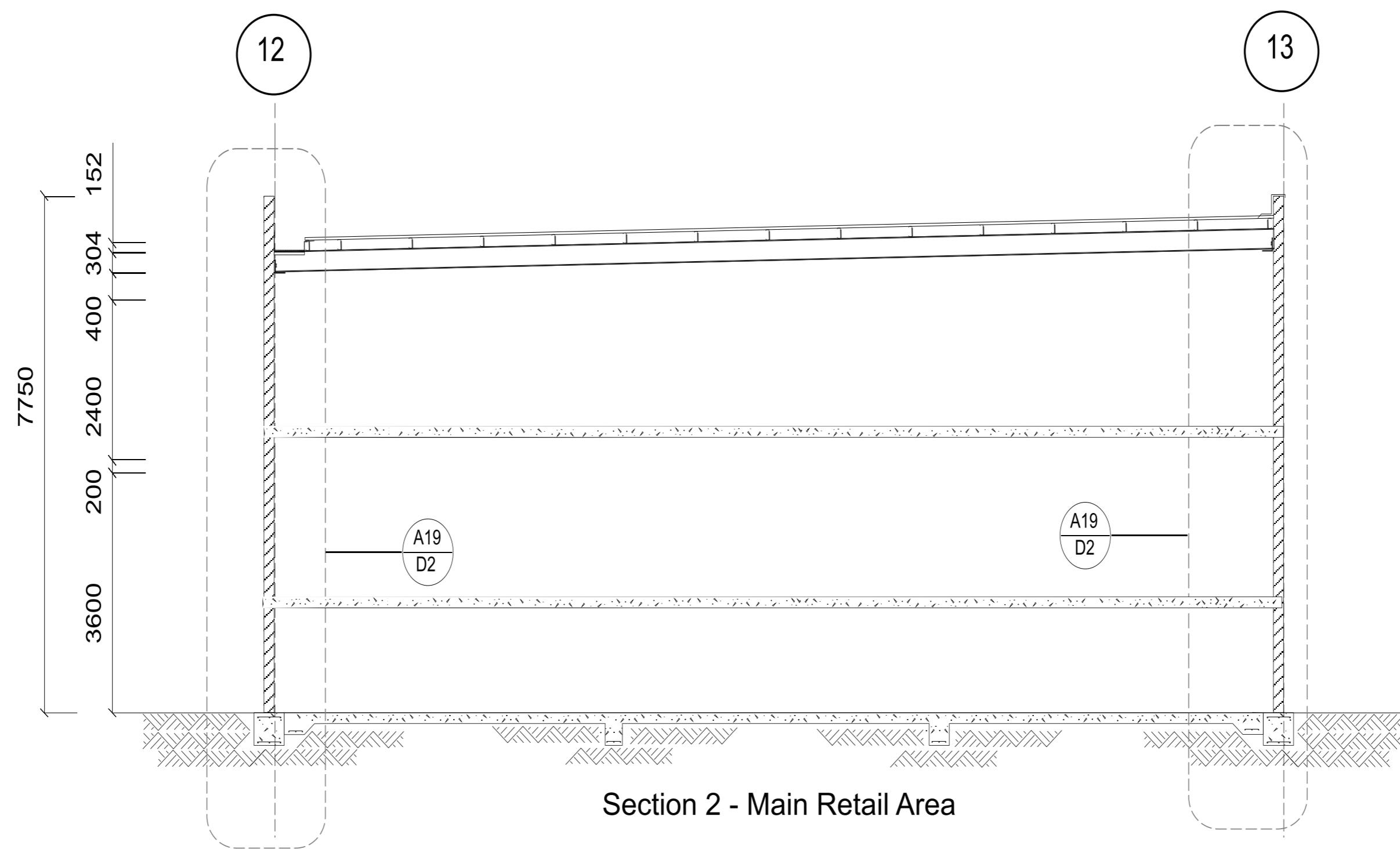
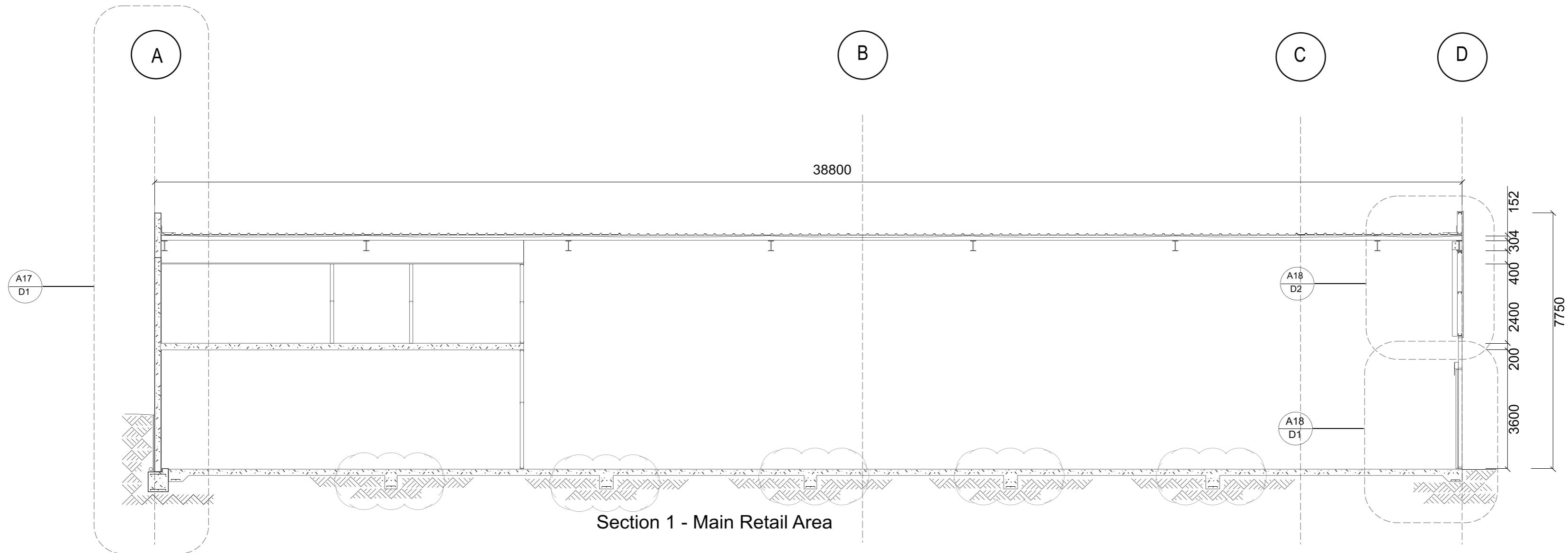
Portal Frame - East Elevation End Frame



Section 1 - Portal Frame - Section Typical







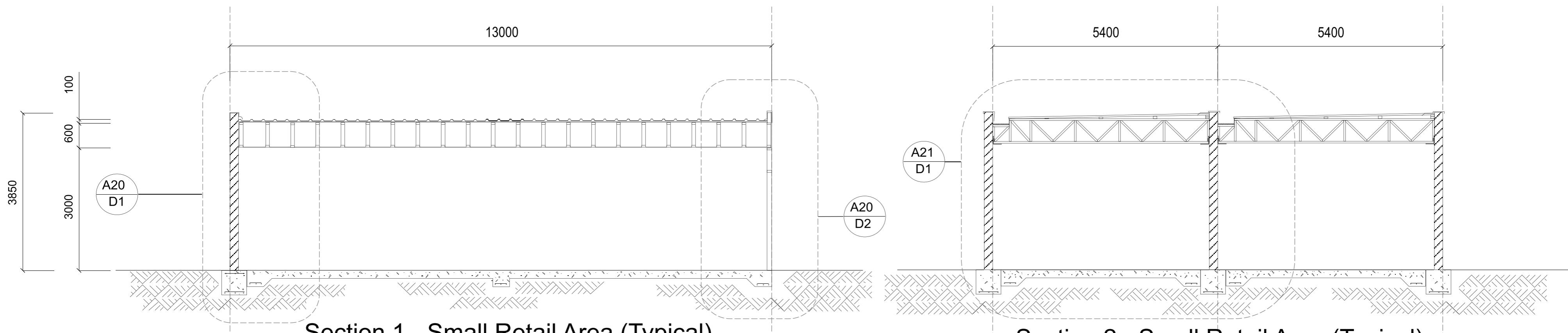
B

C

14

15

16



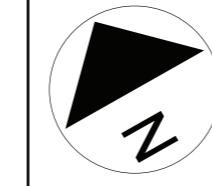
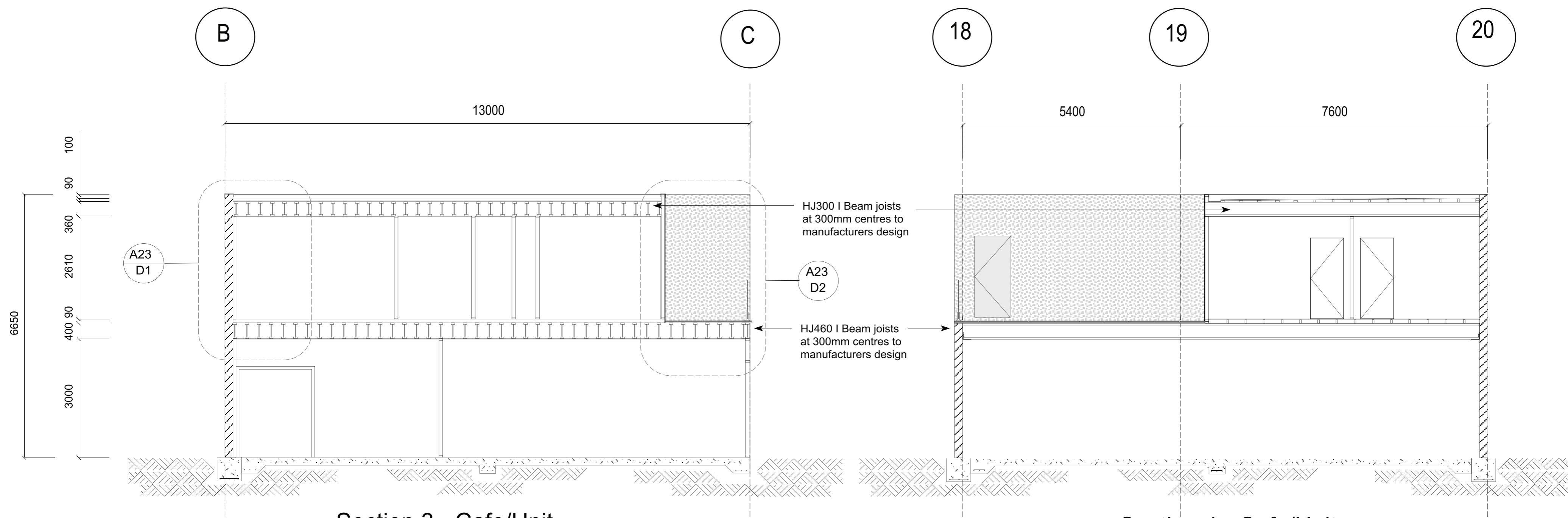
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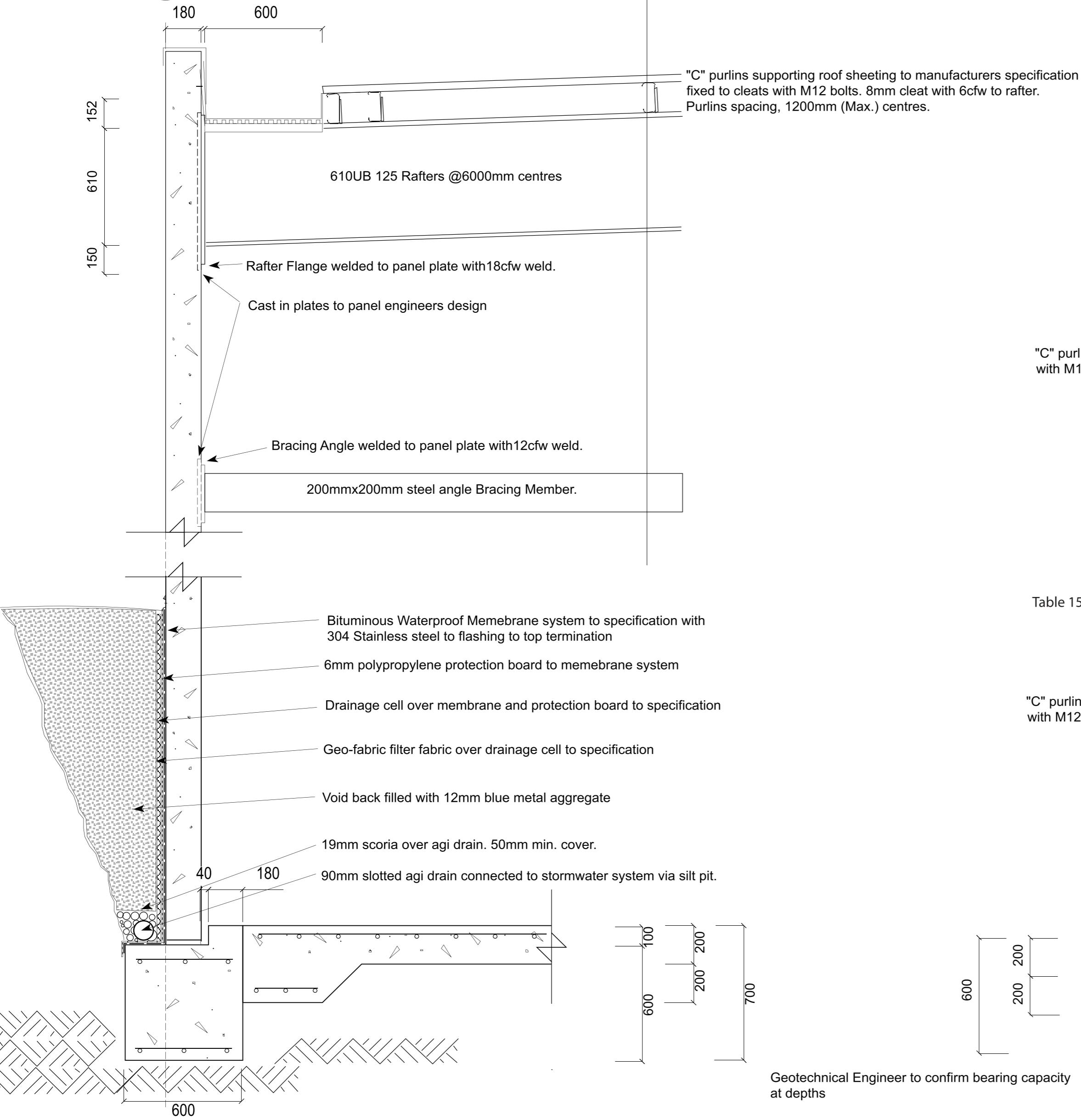
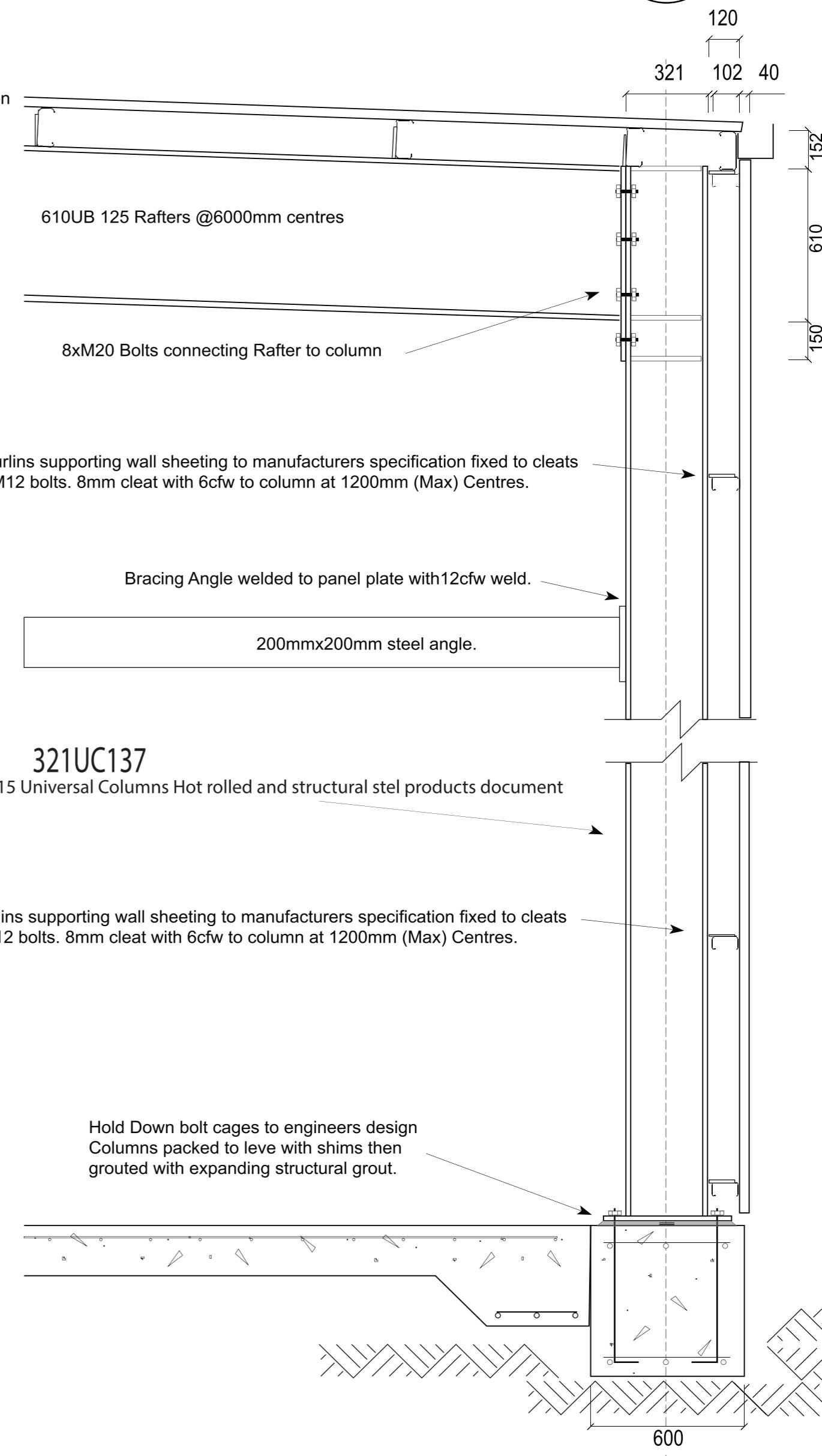
C

18

19

20



**A****Detail 1 - Section at Grid A****D****Detail 2 - Section at Grid D**

Pre-cast Reinforced concrete panels in accordance with engineers design.

Steel deck roof to manufacturers specification. Flashings set into 10mm reglet in pre-cast panels and blockwork.

"C" purlins supporting roof sheeting to manufacturers specification fixed to cleats with M12 bolts. 8mm cleat with 6cfw to rafter. Purlins spacing, 1200mm (Max.) centres.

310UB44.2 Rafters @ 6000mm centres.

Suspended Ceiling to manufacturers specification.

Suspended Concrete slab to mezzanine engaged into pre-cast panel to engineers design.

Bituminous Waterproof Membrane system to specification with 304 Stainless steel to flashing to top termination

6mm polypropylene protection board to membrane system

Drainage cell over membrane and protection board to specification

Geo-fabric filter fabric over drainage cell to specification

Void back filled with 12mm blue metal aggregate

19mm scoria over agi drain. 50mm min. cover.

90mm slotted agi drain connected to stormwater system via silt pit.

A

180

304 152

200

40 180

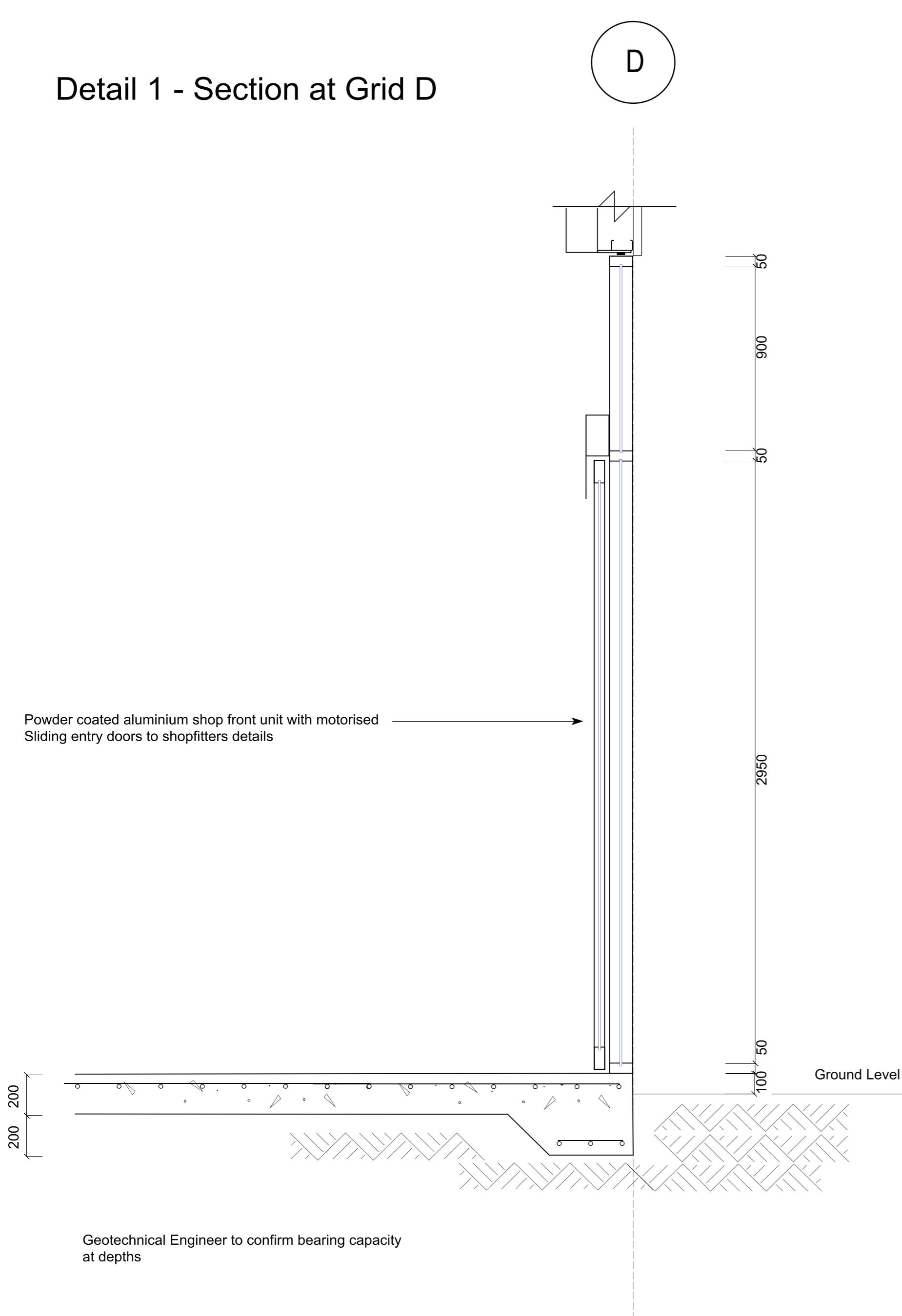
100 200 600

200 700

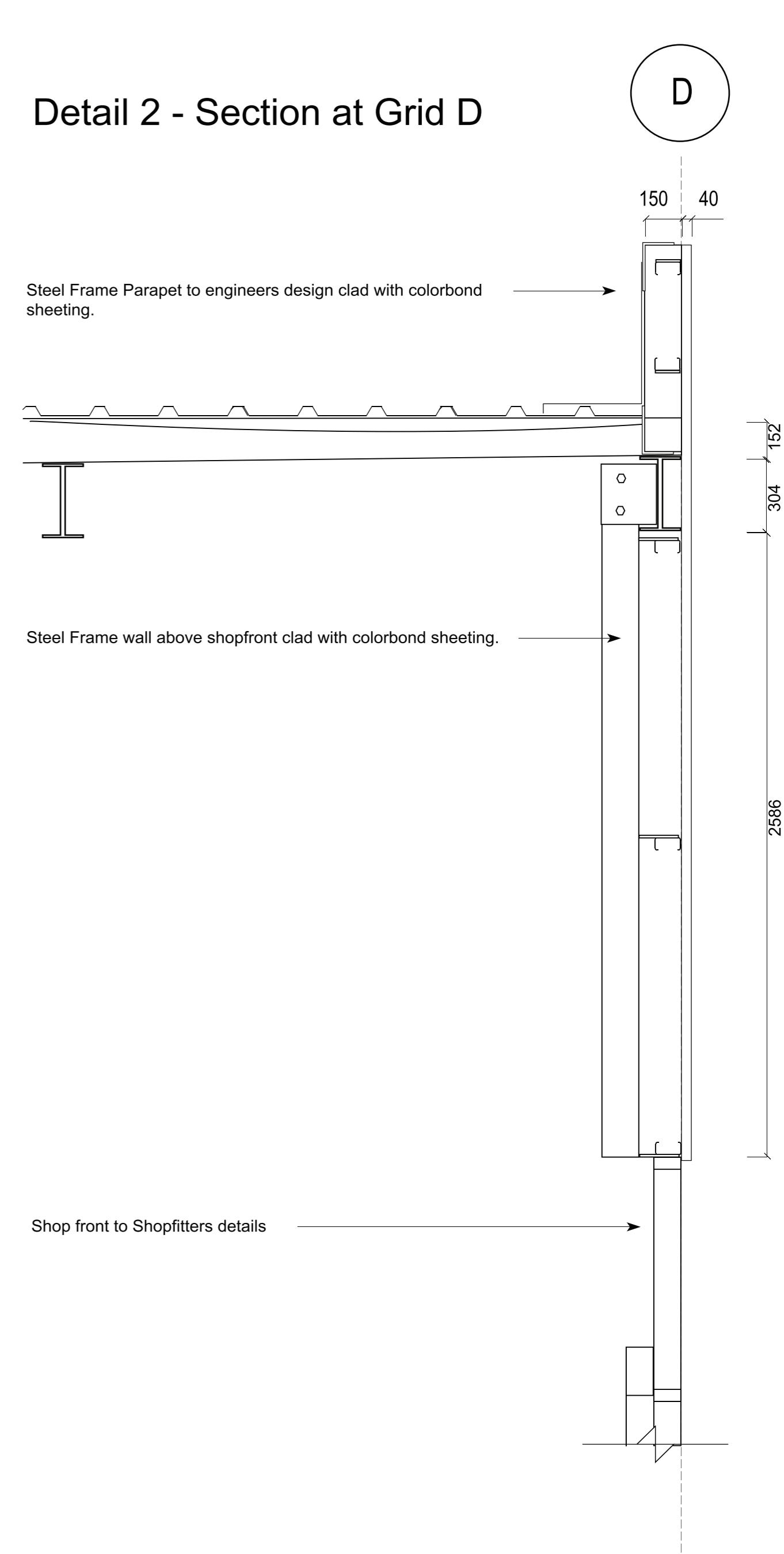
600

## Detail 1 - Section at Grid A

Detail 1 - Section at Grid D

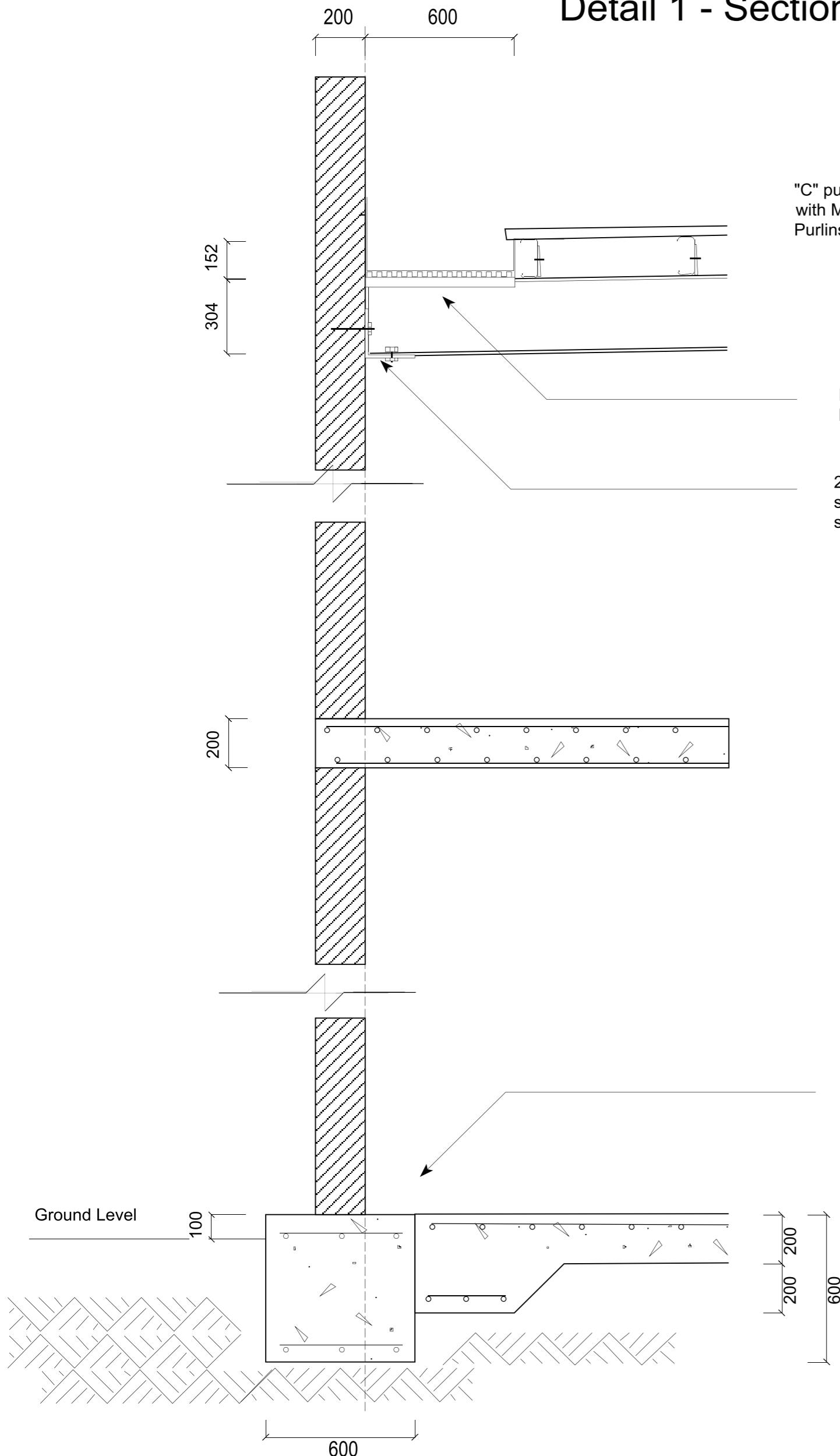


Detail 2 - Section at Grid D



12

## Detail 1 - Section at Grid 12



"C" purlins supporting roof sheeting to manufacturers specification fixed to cleats with M12 bolts. 8mm cleat with 6cfw to rafter.  
Purlins spacing, 1200mm (Max.) centres.

310UB44.2 Rafters @ 6000mm centres.

Box Gutter on support brackets pinned to blockwork and fixed to "C" channel purlin.

200 x 200 x 10 mm angle fixed to blockwork with M20 chemically setting bolts @ 300mm centres. Bolts must be located under each rafter set min. 150mm into Blockwork.

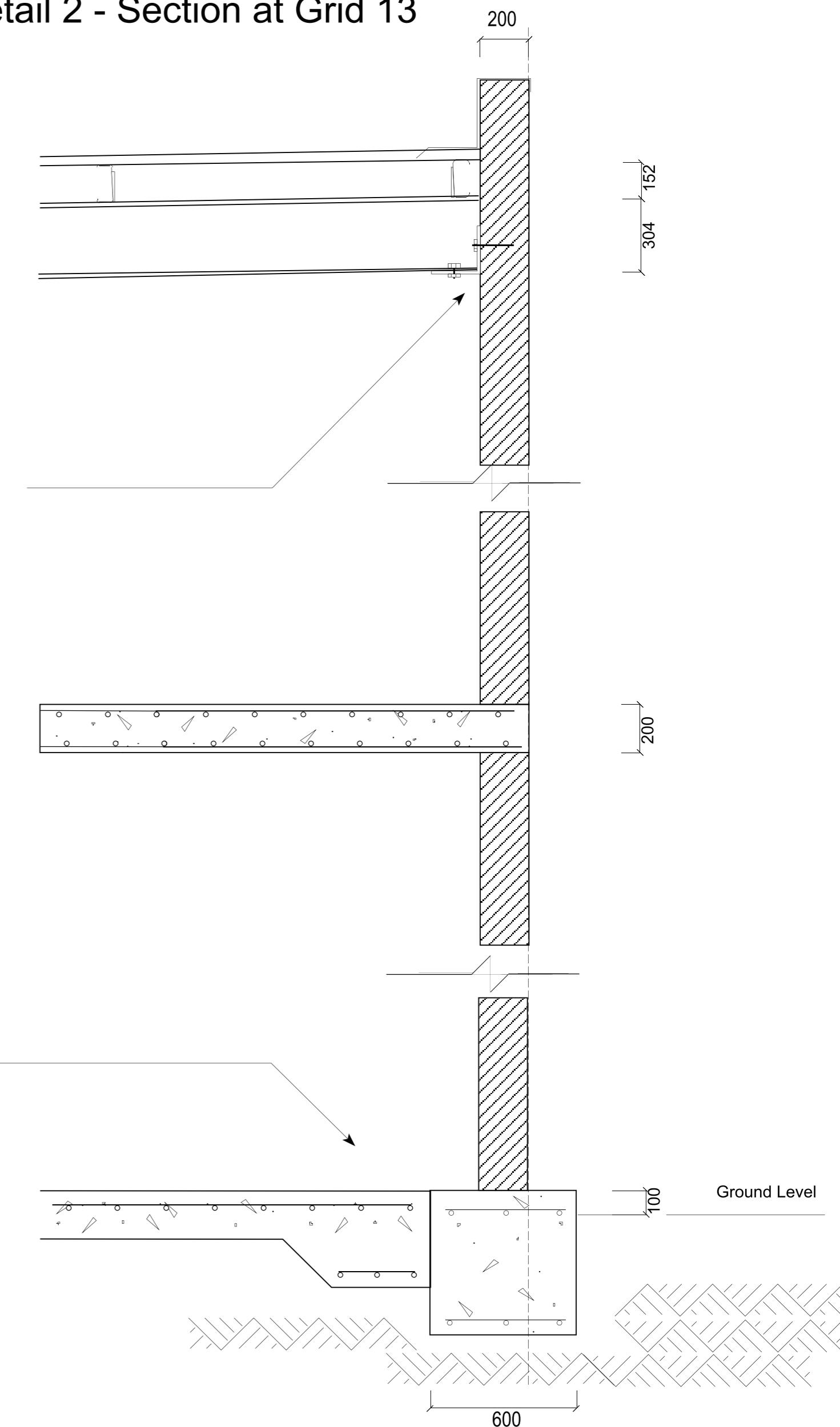
Floor slab engaged into blockwork to engineers design

Footing, slab and blockwork to engineers design.

Geotechnical Engineer to confirm bearing capacity at depths

13

## Detail 2 - Section at Grid 13



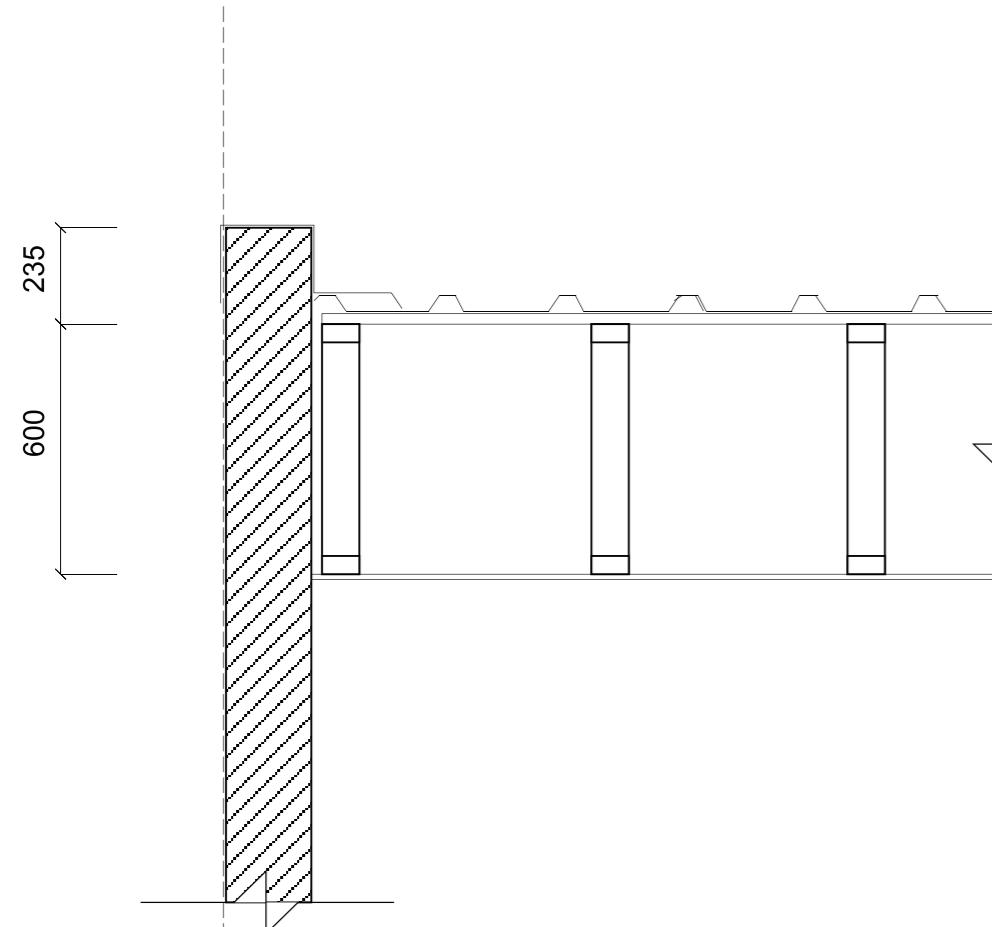
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Date:  
07/07/2021  
A - 18/08/2015 - Preliminary Design  
Rev. Date Amendment

Project No.  
20361  
Drawn by.  
J.B.

Job No.  
4808  
Checked by.  
D.M.

Issue:  
Design  
Drawing No.  
A-19  
Rev.  
A

B

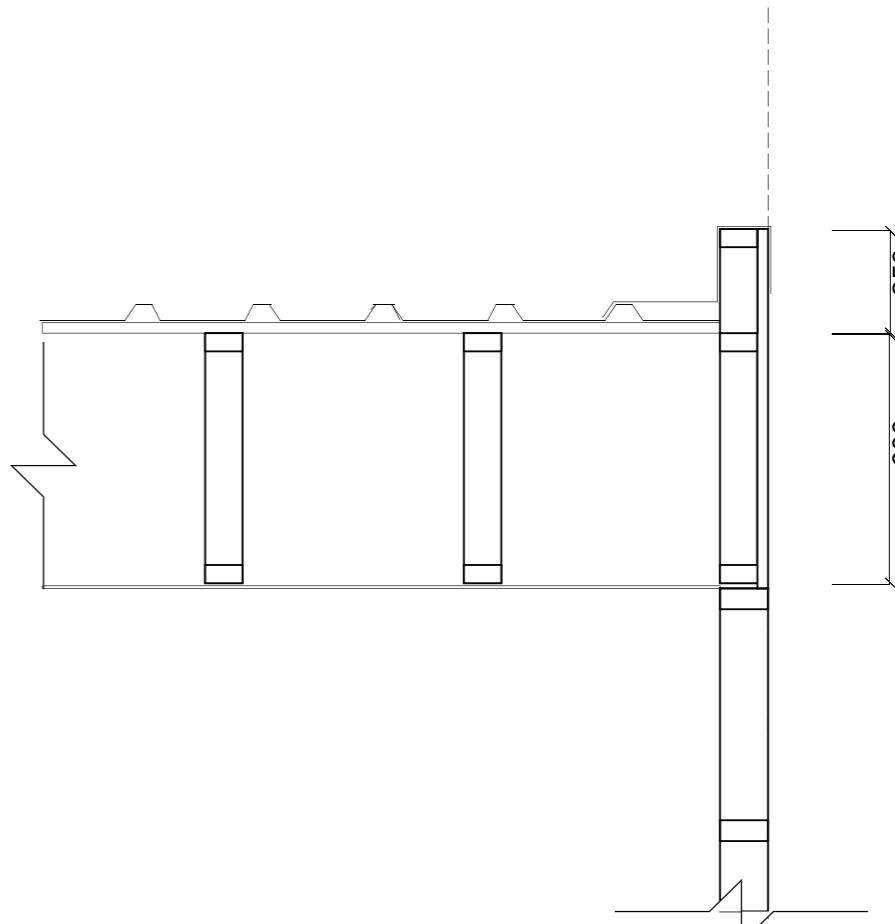


200mm reinforced concrete block wall to engineers design

Colorbond roof sheeting to maximum spans, laps and fixing in accordance with manufacturers specification  
battens supporting roof sheeting at nominal sizes to provide specified fall to roof sheeting.  
Open Webbed joists at 600mm centres to manufacturers design.

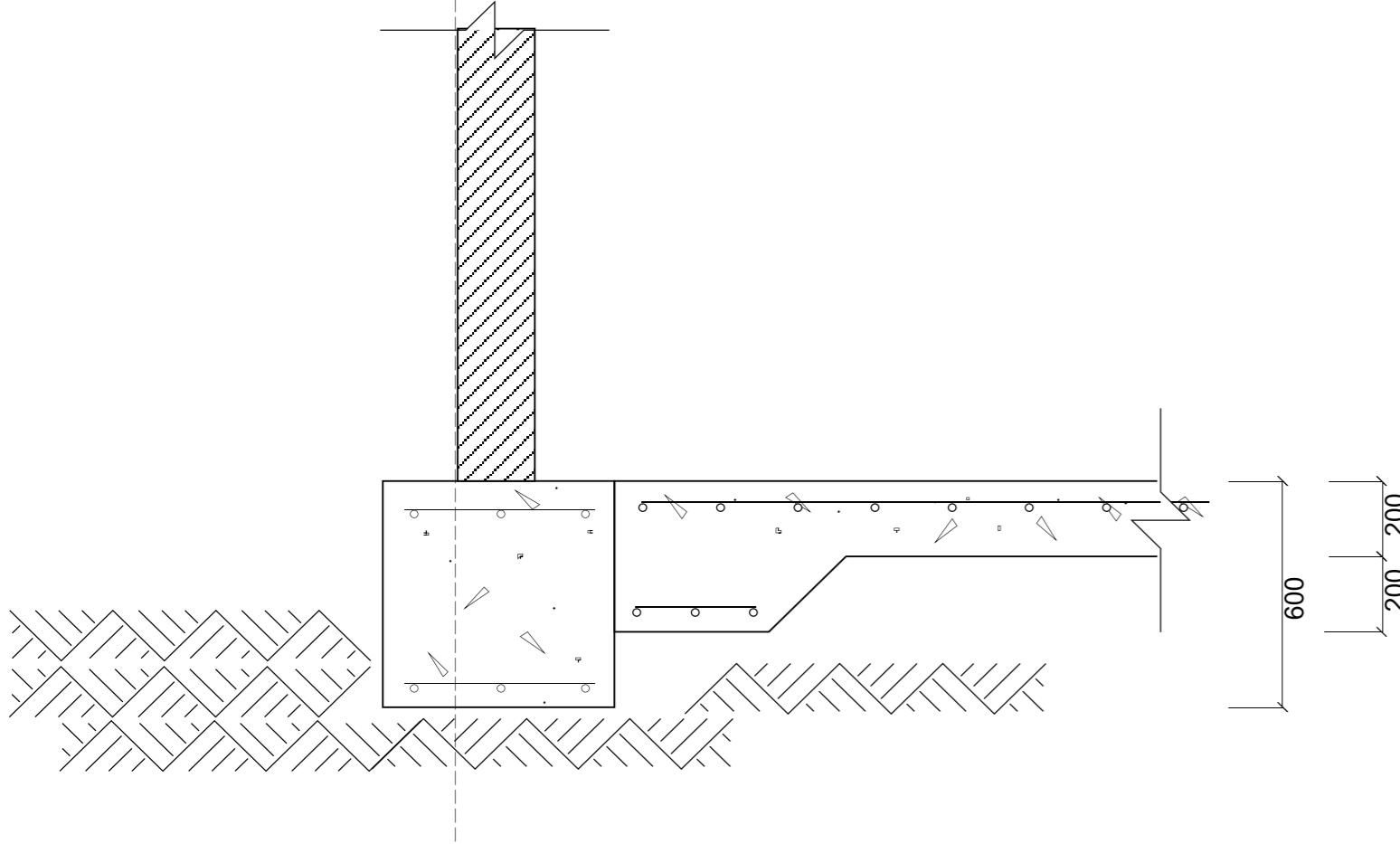
10mm Gyproc Plaster sheeting to manufacturers specification

C

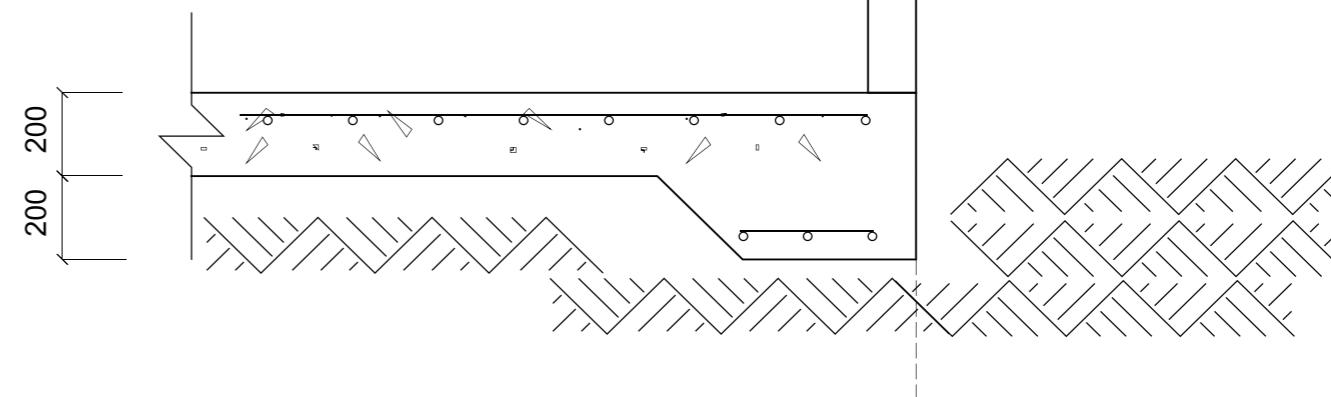


"Hardie" FC sheet cladding fixed to timber framing

110mm powdercoated aluminum shopfront to shop fitters design.

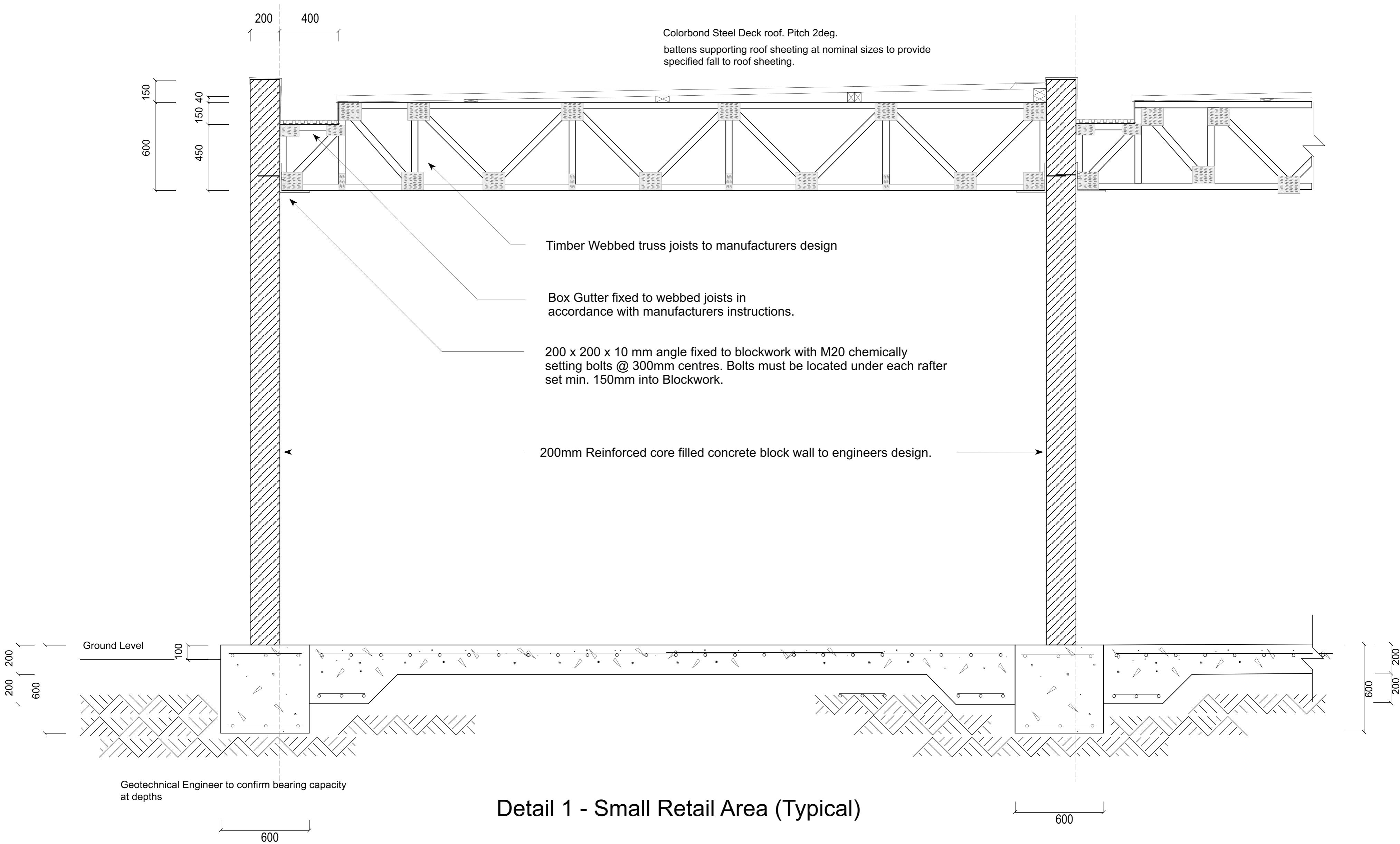


Geotechnical Engineer to confirm bearing capacity at depths

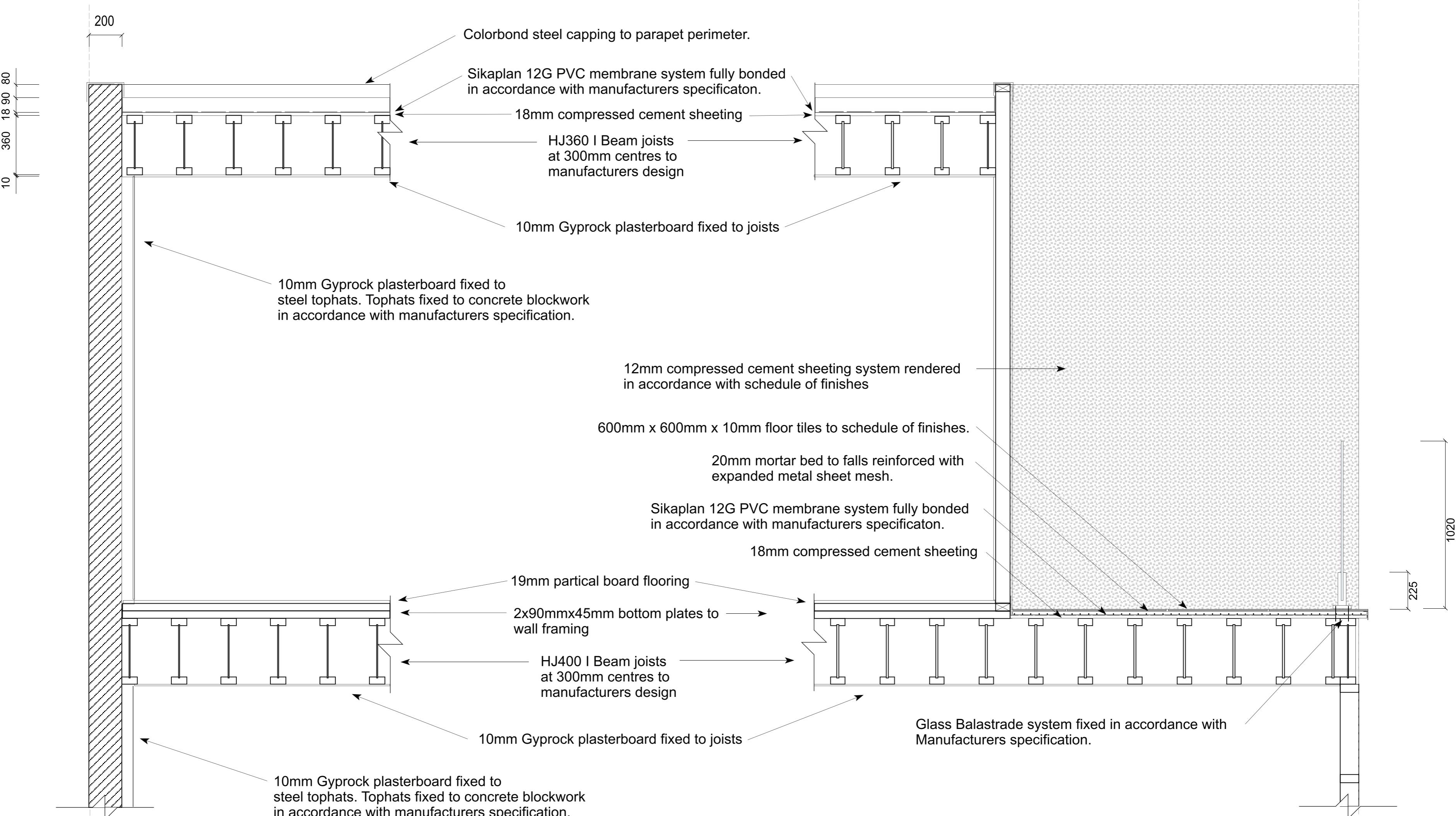


14

15

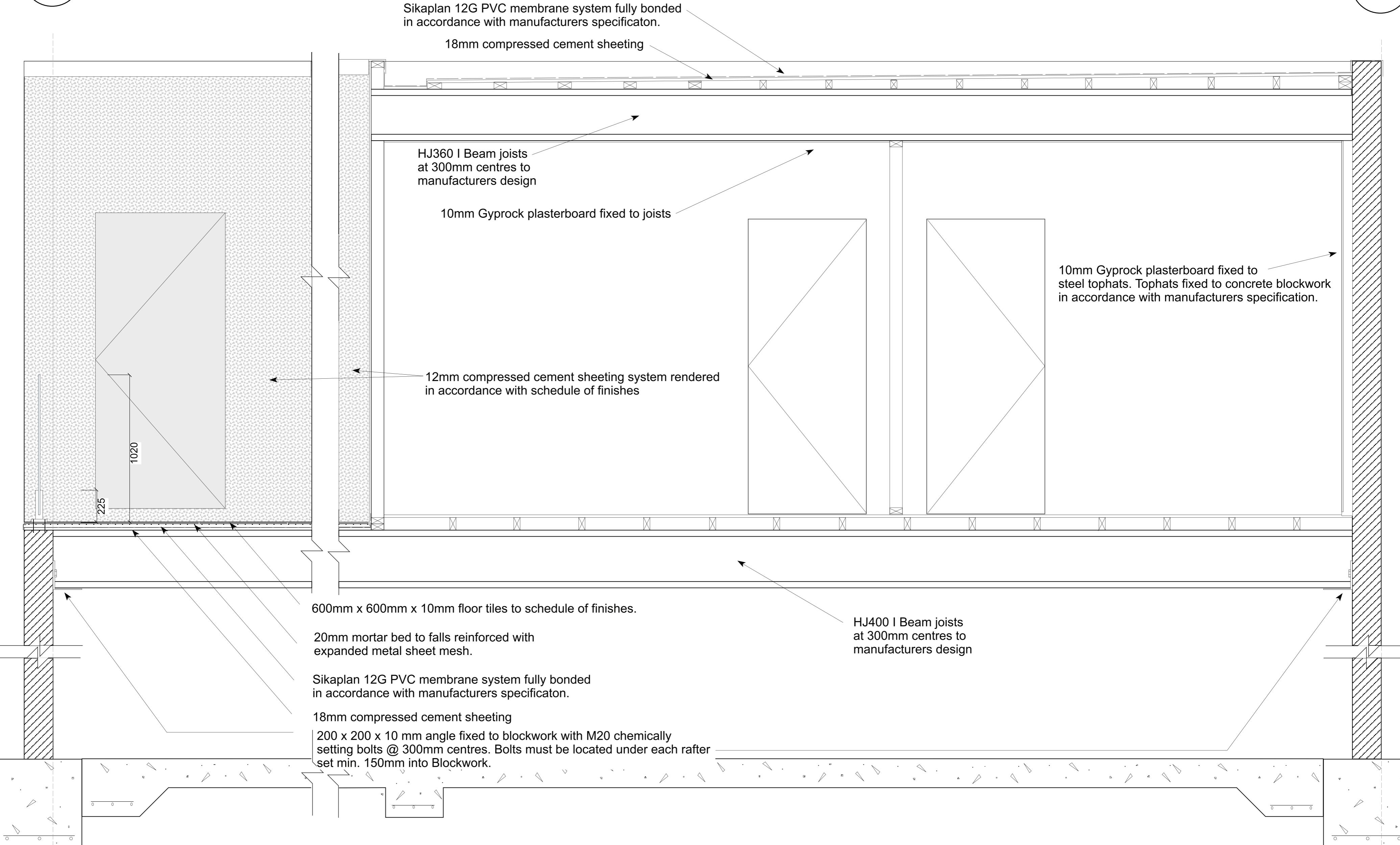


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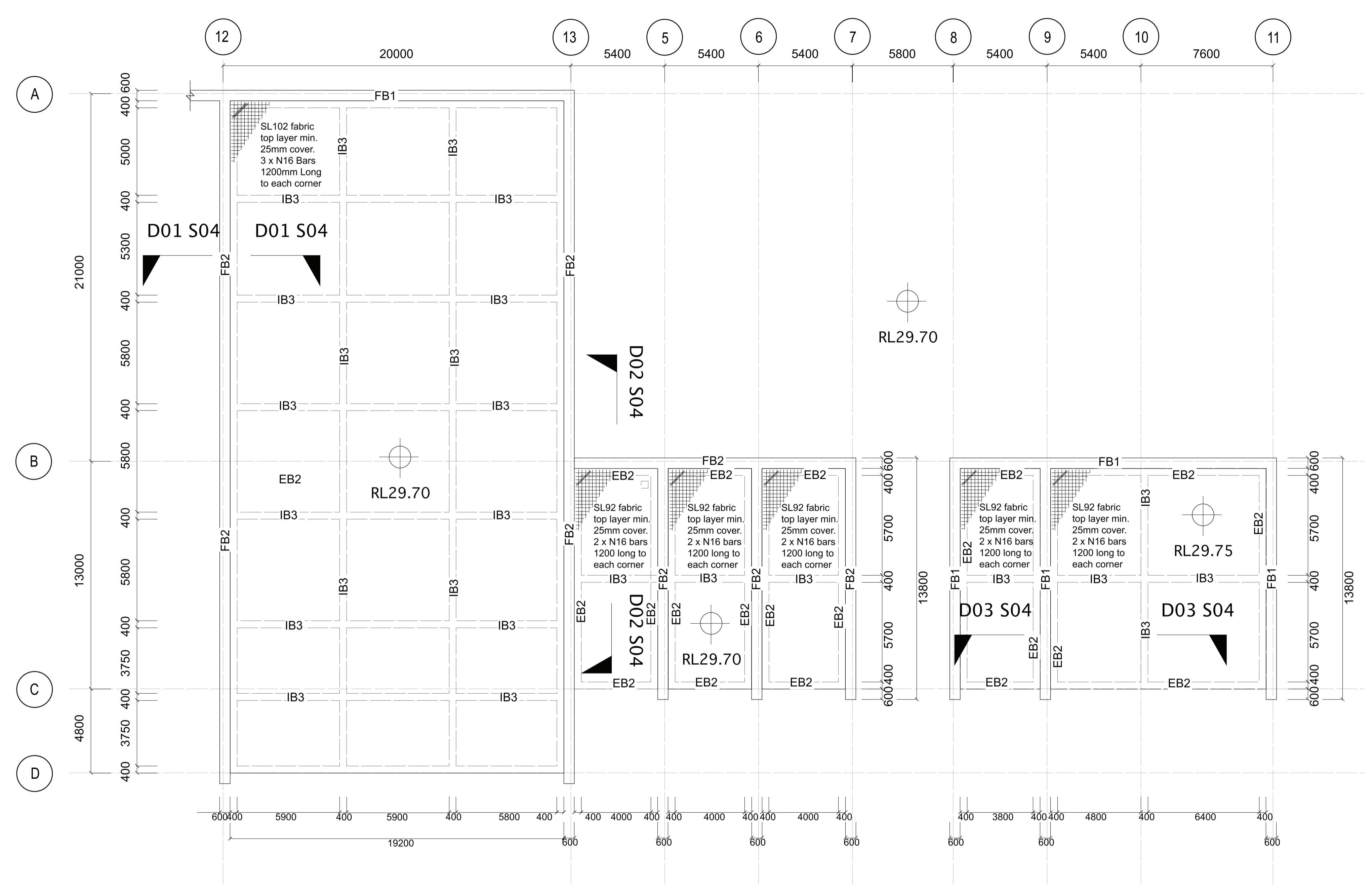


Detail 1 - Residential unit.

Detail 2 - Residential unit.







**DOCUMENT CERTIFICATION**

Date: 14/10/2015

  
John Broneden.....  
For JBS Engineering

I am a qualified Structural/Civil Engineer.  
I hold the following qualifications  
B.E.(Civil), MIEAust, C.P.Eng  
NPER (Civil,Structural)  
Institute of Engineers Membership No.62145861

**BJS** Consulting Pty Ltd  
Structural Engineering  
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PO Box 521 Concorde NSW 2012  
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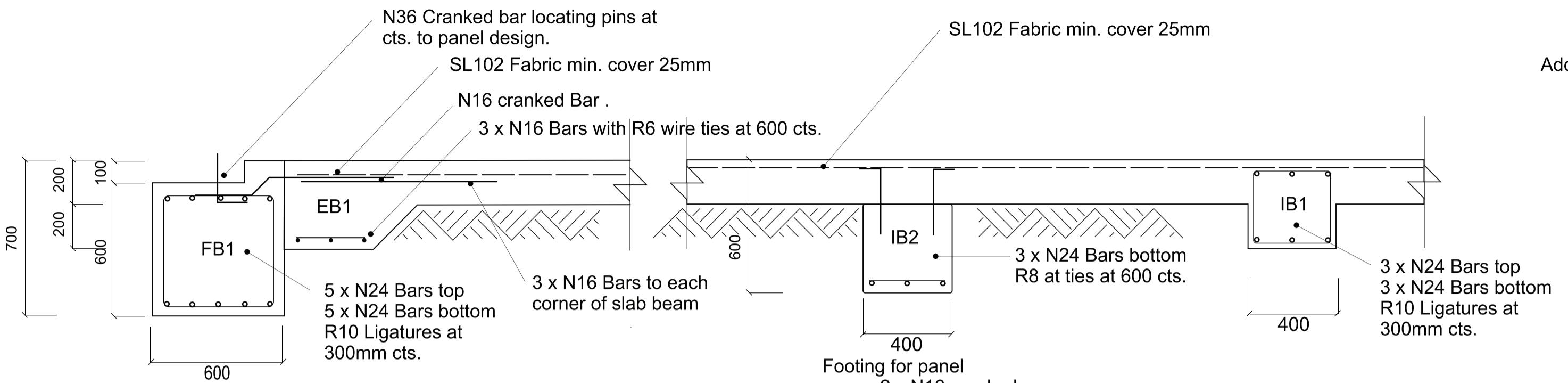
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Builders Academy Australia  
Retail Development  
**Complex**

Drawing:  
Retail  
Slab Plan

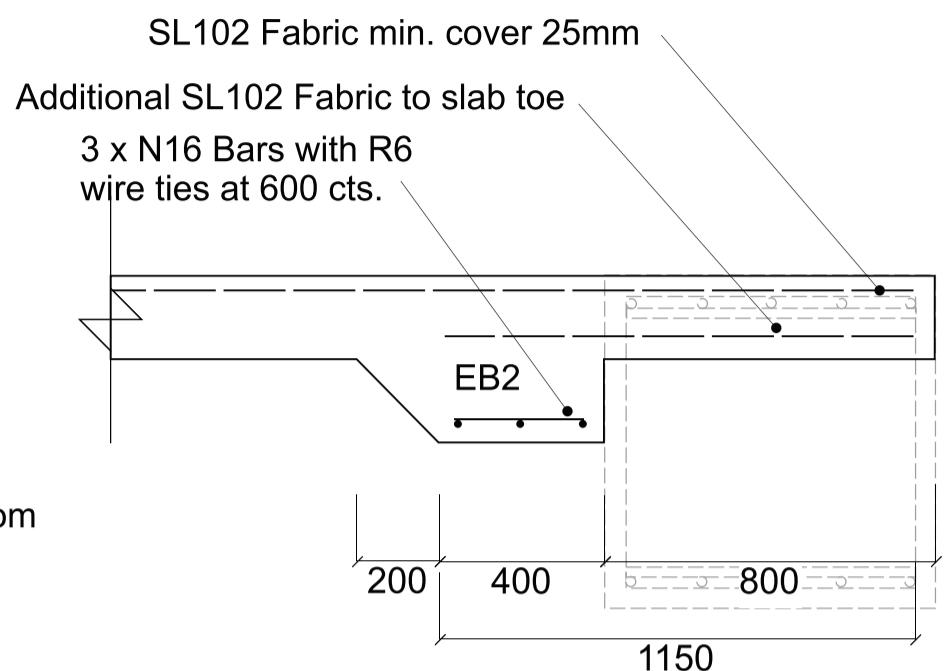
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07/07/2021  
Rev. A 16/10/2015 Preliminary Design  
Amendment

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Job No.: 2240  
Drawn by: V.S.  
Checked by: J.B.

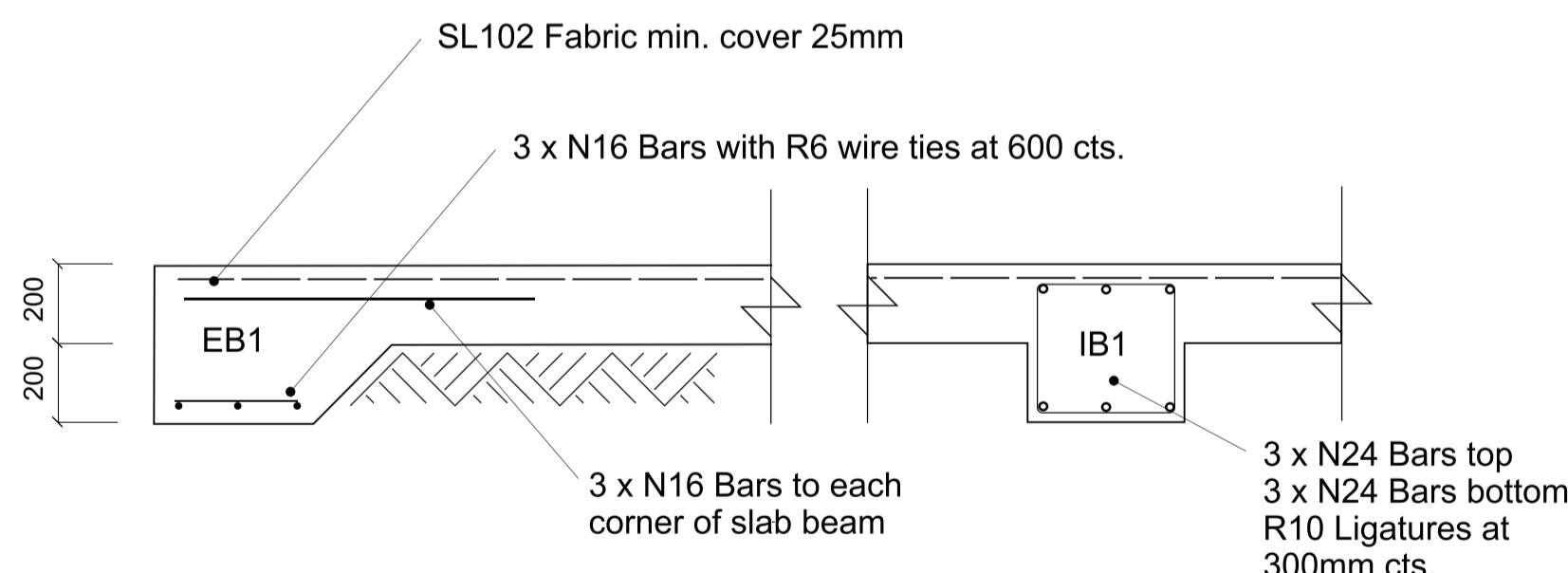
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Design  
Drawing No.: S-02  
Rev.: A



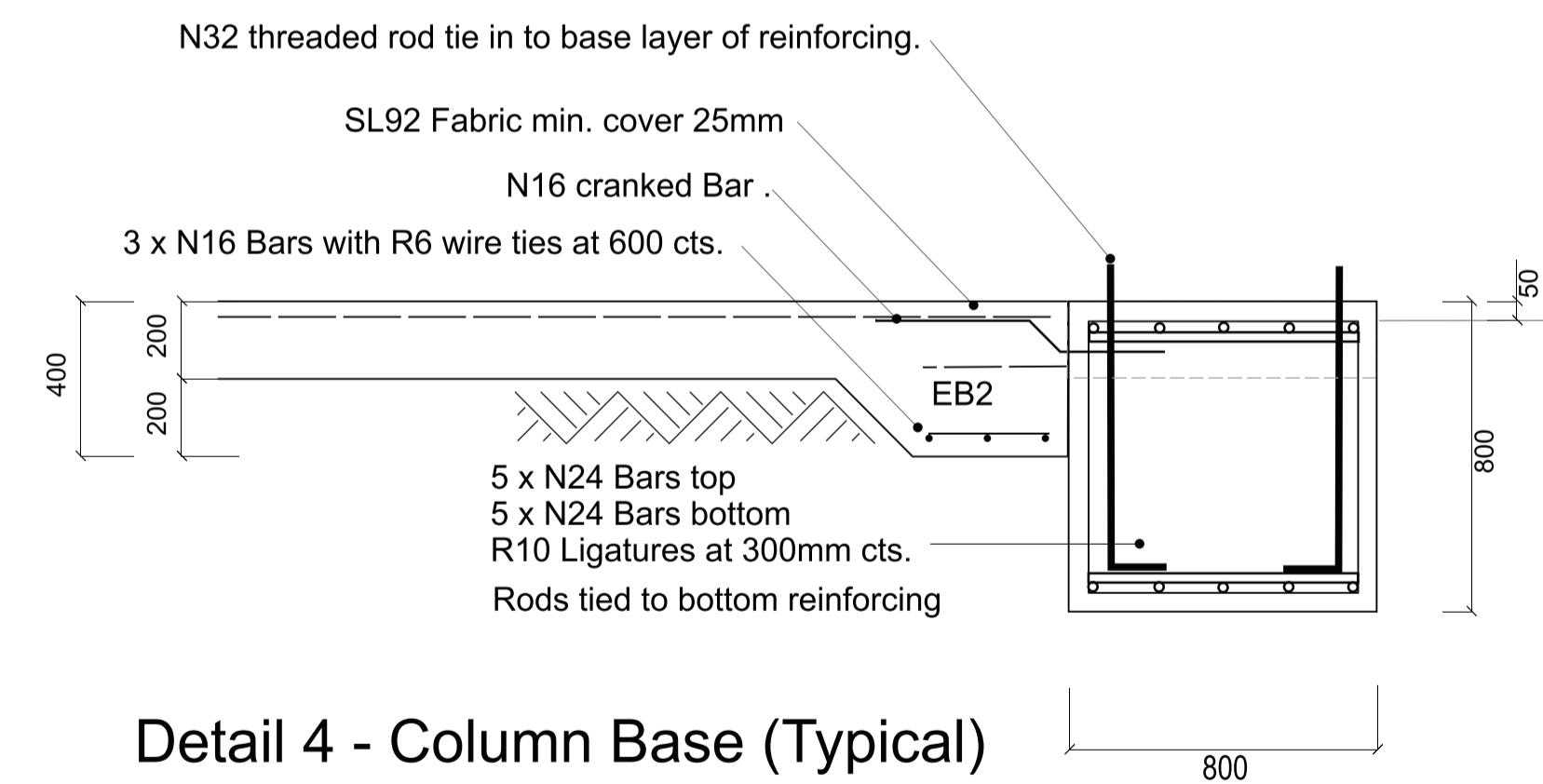
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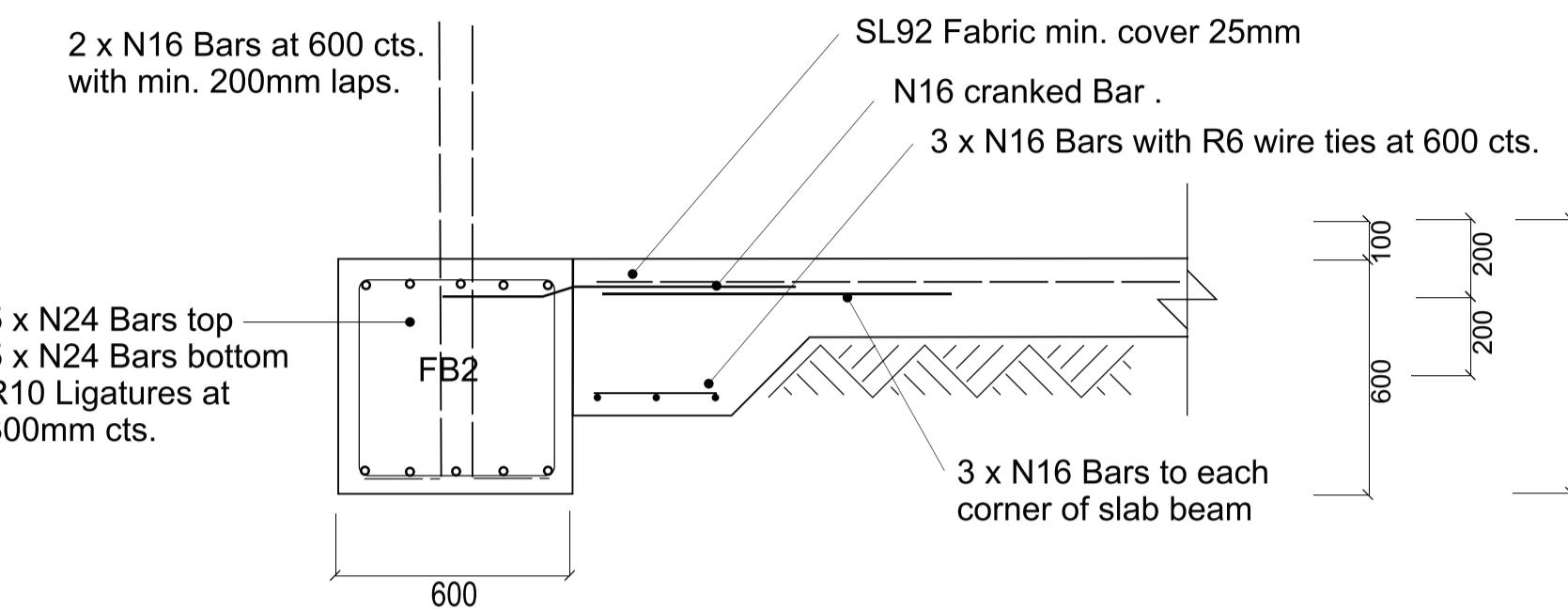
Section Detail 2 - "EB2" (Typical)



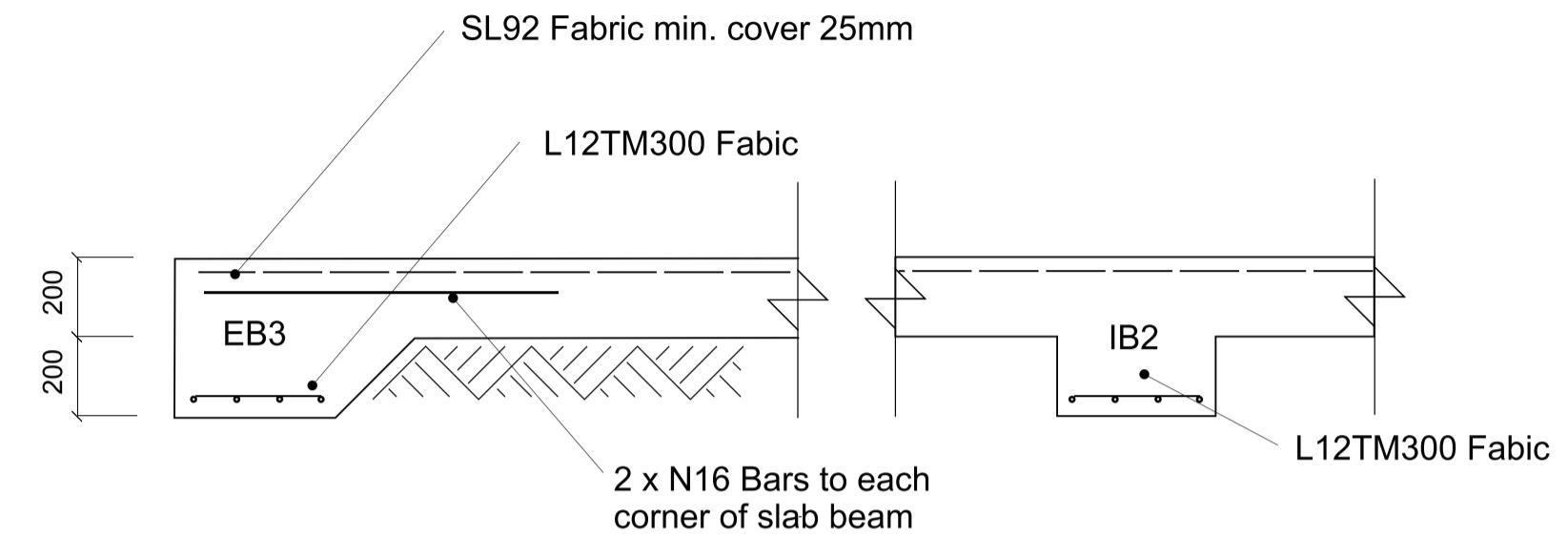
Section Detail 3 - Section (Typical)



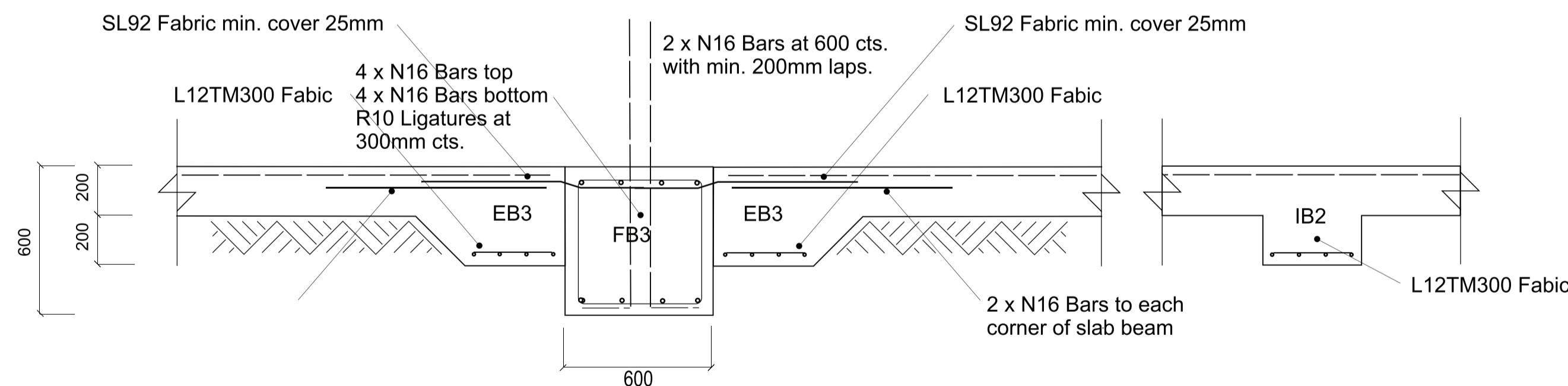
Detail 4 - Column Base (Typical)



Section Detail 1 - Section at Grid 12 (Typical)



Section Detail 4 - "EB3 & IB2" (Typical)



Section Detail 4 - "FB3 / EB3 & IB2" (Typical)

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Date:	14/10/2015
I am a qualified Structural/Civil Engineer. I hold the following qualifications B.E.(Civil), MIEAust, C.P.Eng NPER (Civil,Structural) Institute of Engineers Membership No.62145861	
John Broneden..... For JBS Engineering	

**BJS** Consulting Pty Ltd  
Structural Engineering  
ABN 59 506 789 123  
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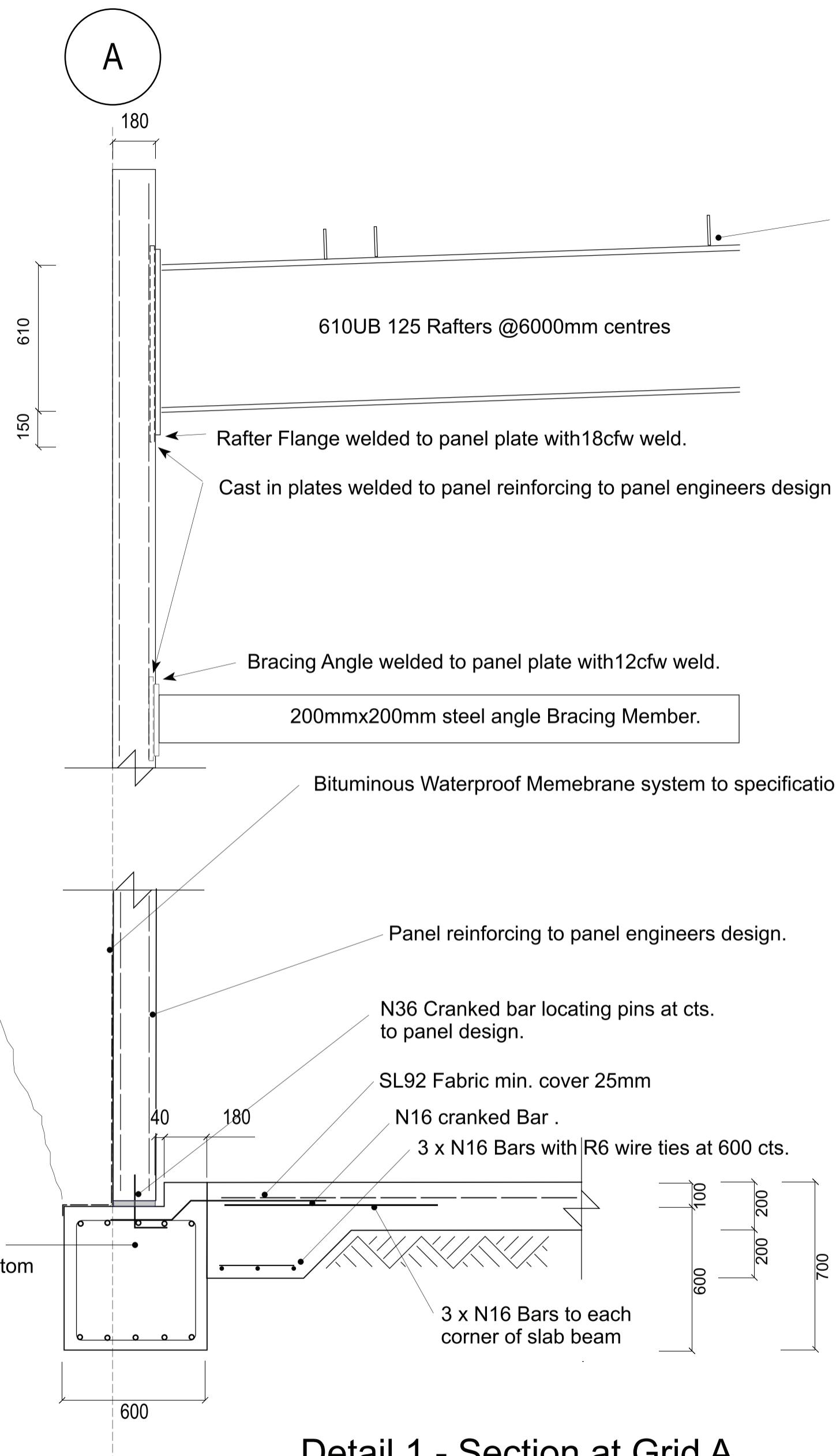
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Builders Academy Australia  
Retail Development  
**Complex**

Drawing:  
Section Details  
Slab Beams

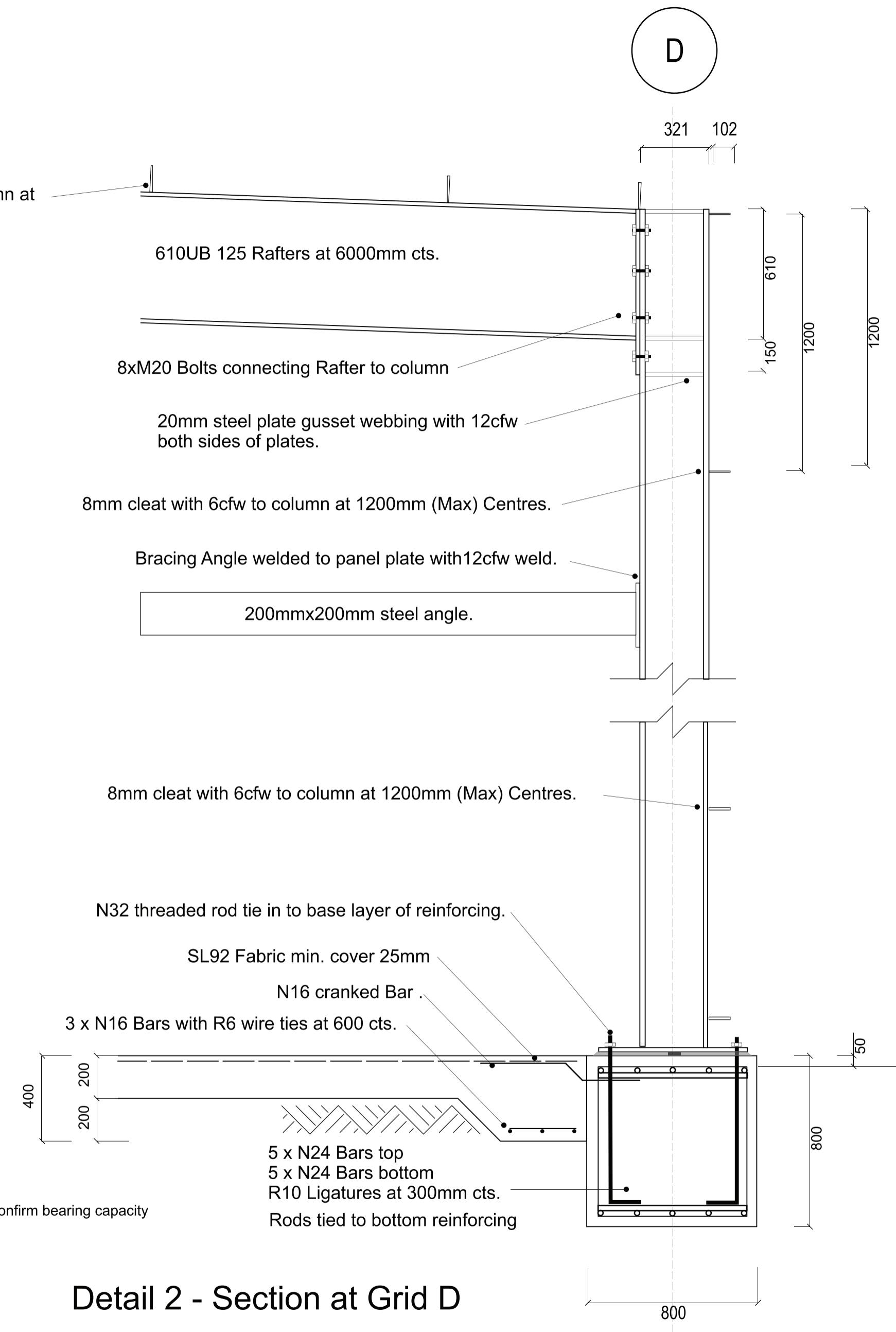
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07/07/2021  
Rev.:  
A - 16/10/2015 - Preliminary Design  
V.S. Version 2.2

Project No.:  
321  
Job No.:  
2240  
Drawn by:  
Checked by:  
V.S. J.B.

Issue:  
Design  
Drawing No.:  
S-04  
Rev.:  
A



Detail 1 - Section at Grid A



Detail 2 - Section at Grid D

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Date: 14/10/2015	
John Bronedden.....	For JBS Engineering
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**Complex**

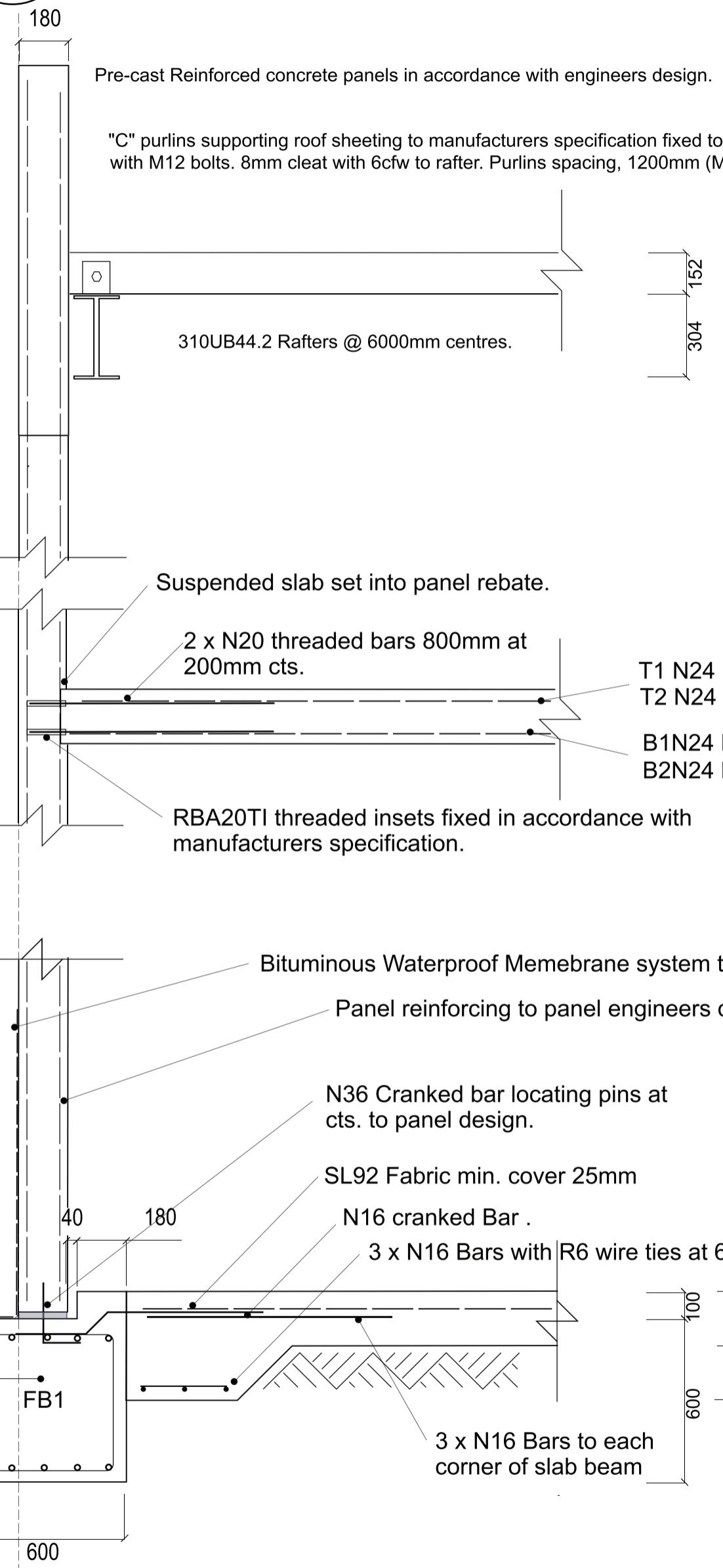
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07/07/2021  
Rev.  
A 16/10/2015 Preliminary Design  
Rev. Date Amendment

Project No.:  
321 2240  
Drawn by:  
V.S. J.B.  
Checked by:

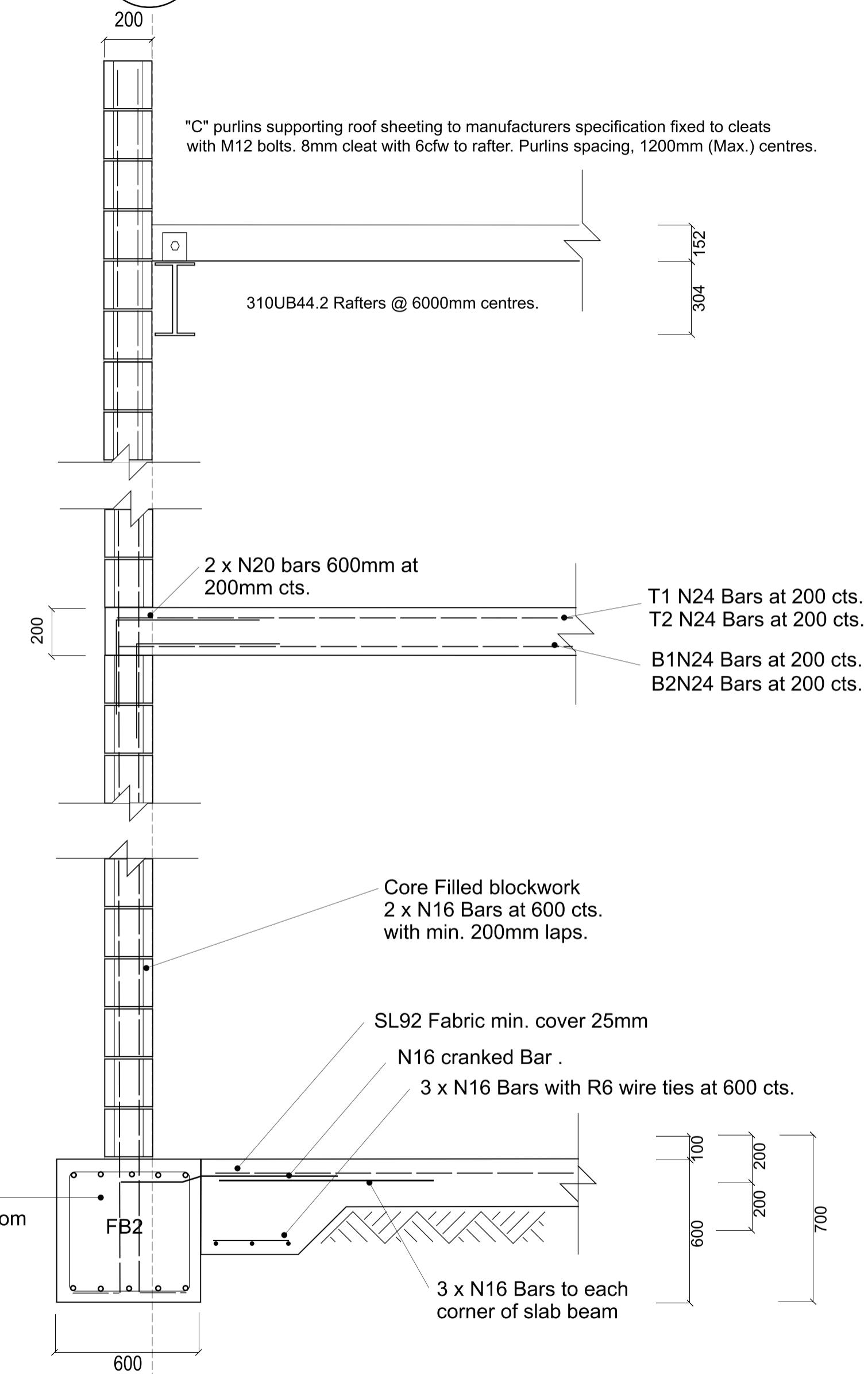
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Design  
Drawing No.:  
**S-05**  
Rev.  
A

A



Section Detail 1 - Section at Grid A (Typical)

12



Section Detail 2 - Section at Grid 12 (Typical)

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NPER (Civil,Structural)  
Institute of Engineers Membership No.62145861

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Structural Engineering  
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Ph:(02) 9986 4234 E: bjs@bjsse.com.au

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Project:  
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Retail Development  
**Complex**

Drawing:  
Section Details  
1 & 2 Large  
Retail

Scale:  
1:25

Date:  
07/07/2021

Version 2.2

Job No.  
321 2240

Drawn by:  
Checked by:

Design  
Drawing No.  
S-06

Rev.  
V.S. J.B.

A

