

ARCHITECTURAL AND STRUCTURAL DRAWINGS OF

PROPOSED 02 STOREY BUILDING AT

**Masjid Al Hudha, Gn Fuvahmulah**

For Ministry of Islamic Affairs

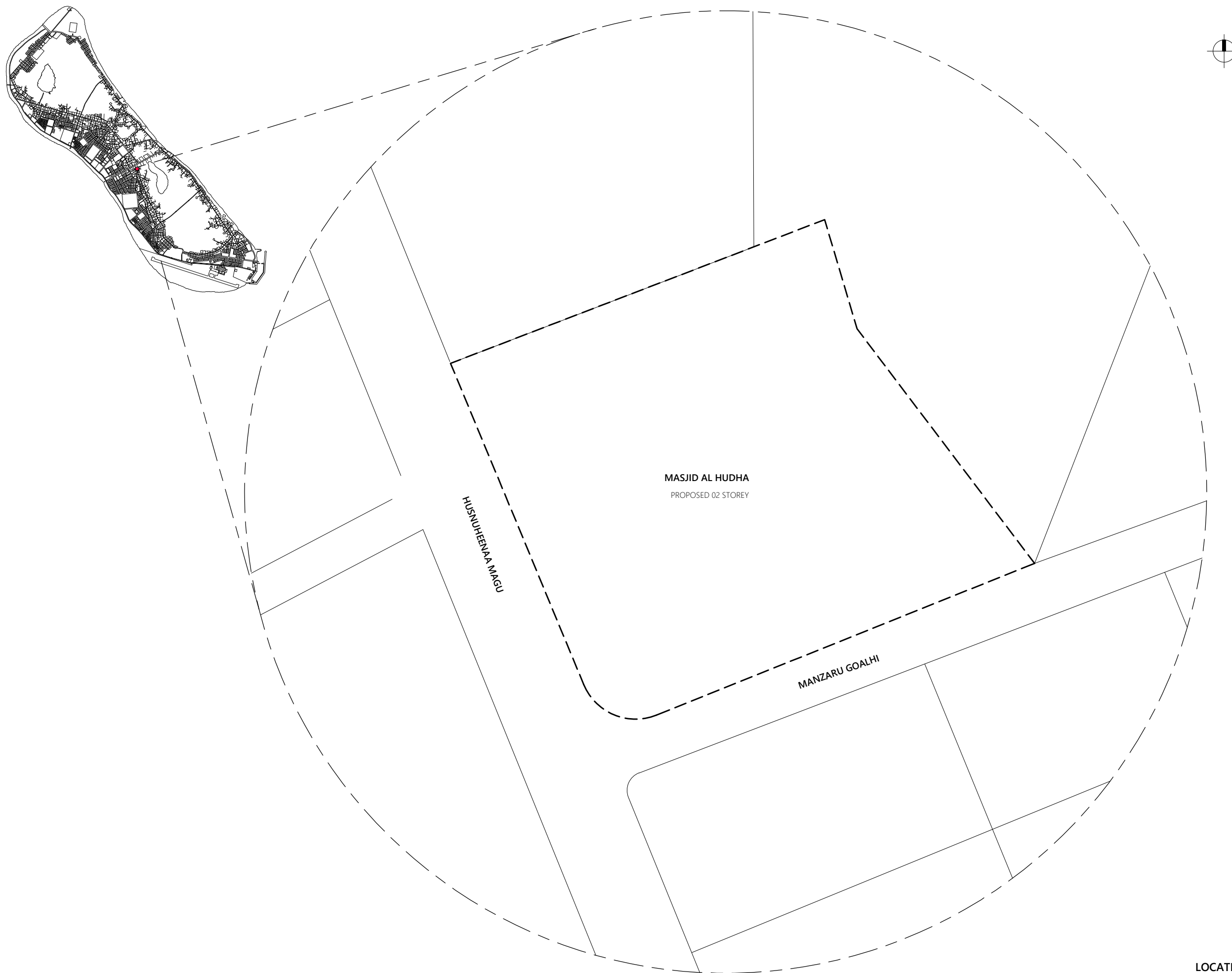
By Epoch Associates Pvt. Ltd



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**A:** 4A, 4th Floor, M. Ahigasdhoshuge, Fareedhee Magu Male' Republic of Maldives

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LOCATION PLAN  
1:200

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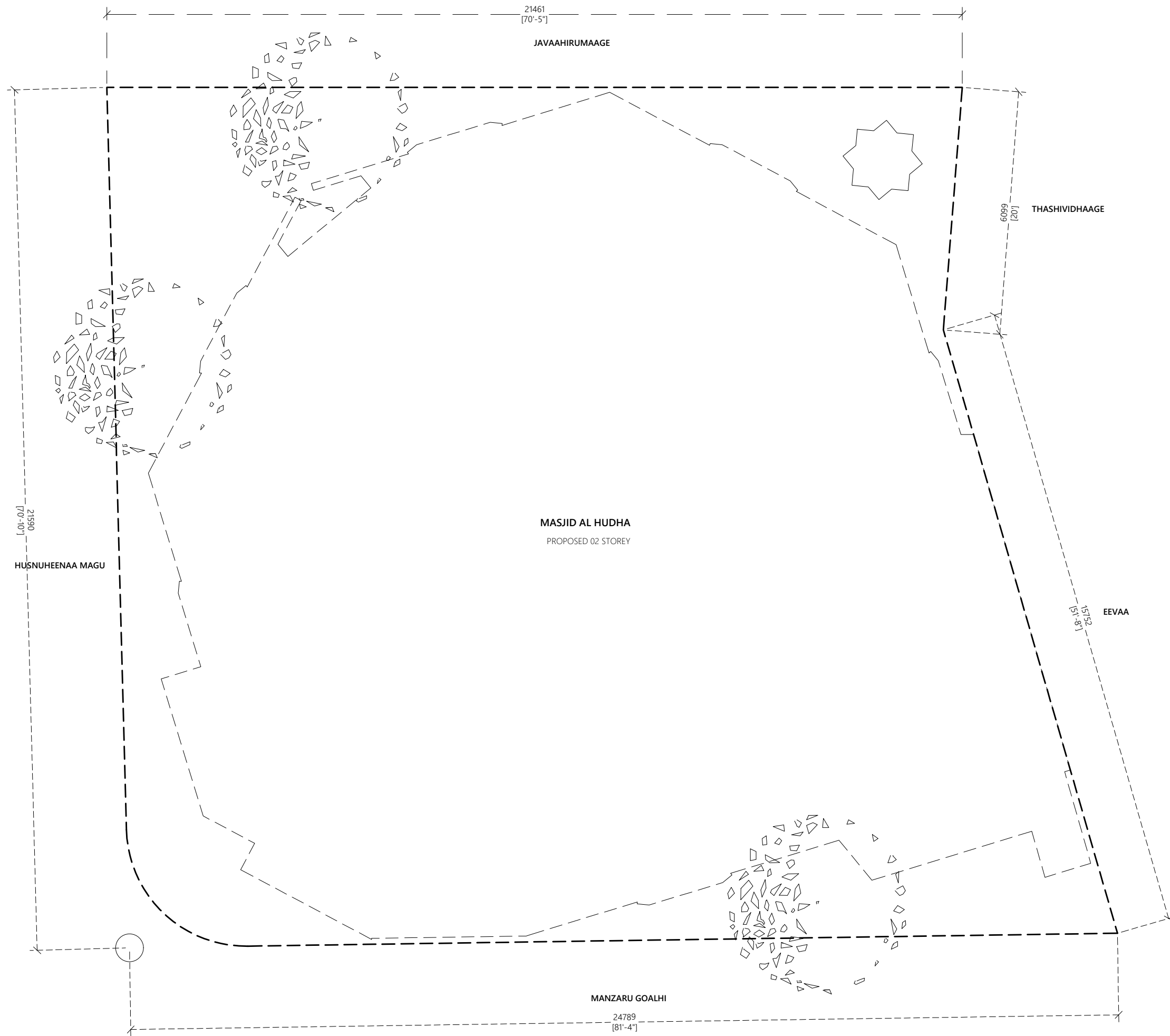
October 2019

Architect: Mohamed Hassaan  
Engineer: Adam Madeeh  
Drawn By: Mohamed Hassaan

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SITE PLAN  
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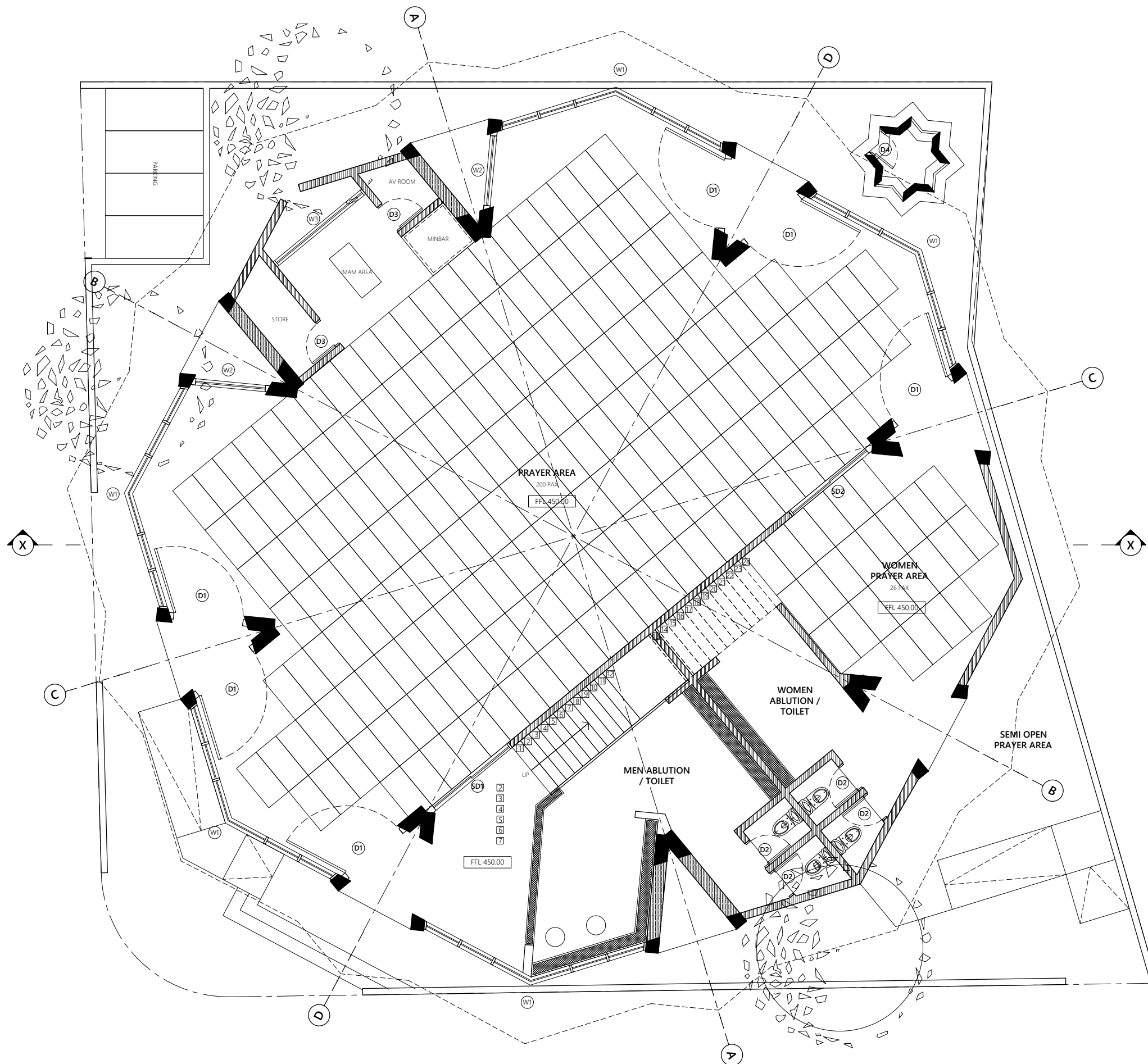
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**Wall Legend:**

- 300mm masonry wall with 20mm plaster on exterior and 12mm plaster on interior
- 150mm masonry wall with 20mm plaster on exterior and 12mm plaster on interior
- 150mm thick boundary wall. Refer to Detail 5 - boundary wall detail

**Wall Finish:**

Internal Wall Finish: Easy to wash odour-less Nippon paint Ivory White (code: 8161)

External Wall Finish: Weatherboard Algae guard Nippon September Cream (code: 0838)

Toilet and shower walls: 300x300mm ceramic wall lanka tiles up to ceiling height with tile adhesive. use joint filler of appropriate color for grouting joints between tiles

**Floor Finish:**

Floor Finishes: 600x600mm homogenous floor tiles with tile adhesive unless specified

Toilet Floor Finishes: 300x300mm homogenous non skid floor tiles with tile adhesive unless specified

**Notes:**

FFL of balconies and toilets should be 25mm lower than the FFL of respective floors

Water proofing to be applied in toilets, balconies and roof terrace prior to tiling

GROUND FLOOR PLAN

1:100

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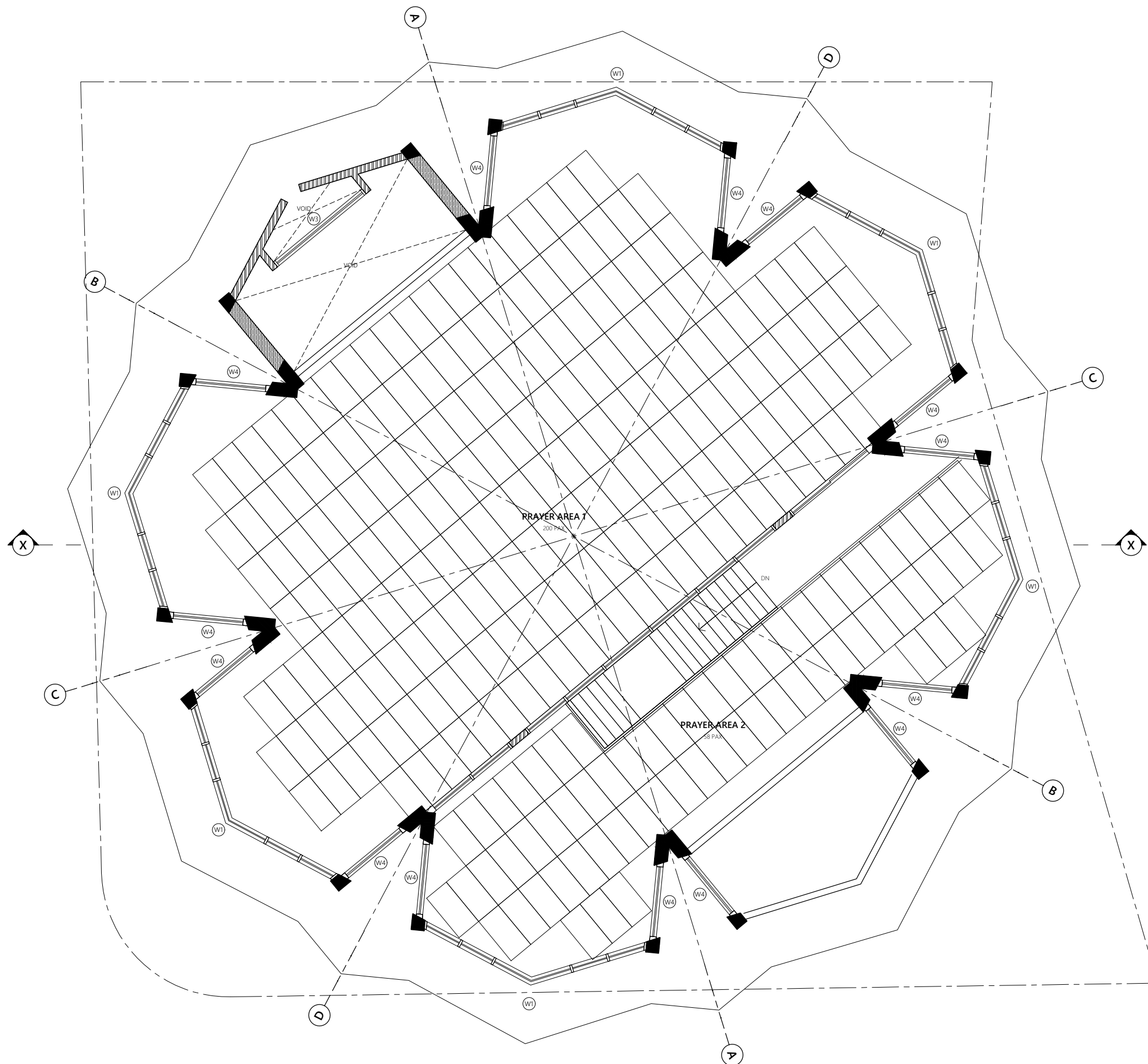
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Page: **A.2 (1)**



**Wall Legend:**

- 300mm masonry wall with 20mm plaster on exterior and 12mm plaster on interior
- 150mm masonry wall with 20mm plaster on exterior and 12mm plaster on interior
- 100mm thick 1200mm high masonry wall with 20mm plaster on exterior and 12mm plaster on interior

**Wall Finish:**

Internal Wall Finish: Easy to wash odour-less Nippon paint Ivory White (code: 8161)

External Wall Finish: Weatherboard Algae guard Nippon September Cream (code: 0838)

Toilet and shower walls: 300x300mm ceramic wall lanka tiles up to ceiling height with tile adhesive. use joint filler of appropriate color for grouting joints between tiles

**Floor Finish:**

Floor Finishes: 600x600mm homogenous floor tiles with tile adhesive unless specified

Toilet Floor Finishes: 300x300mm homogenous non skid floor tiles with tile adhesive unless specified

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FIRST FLOOR PLAN  
1:100

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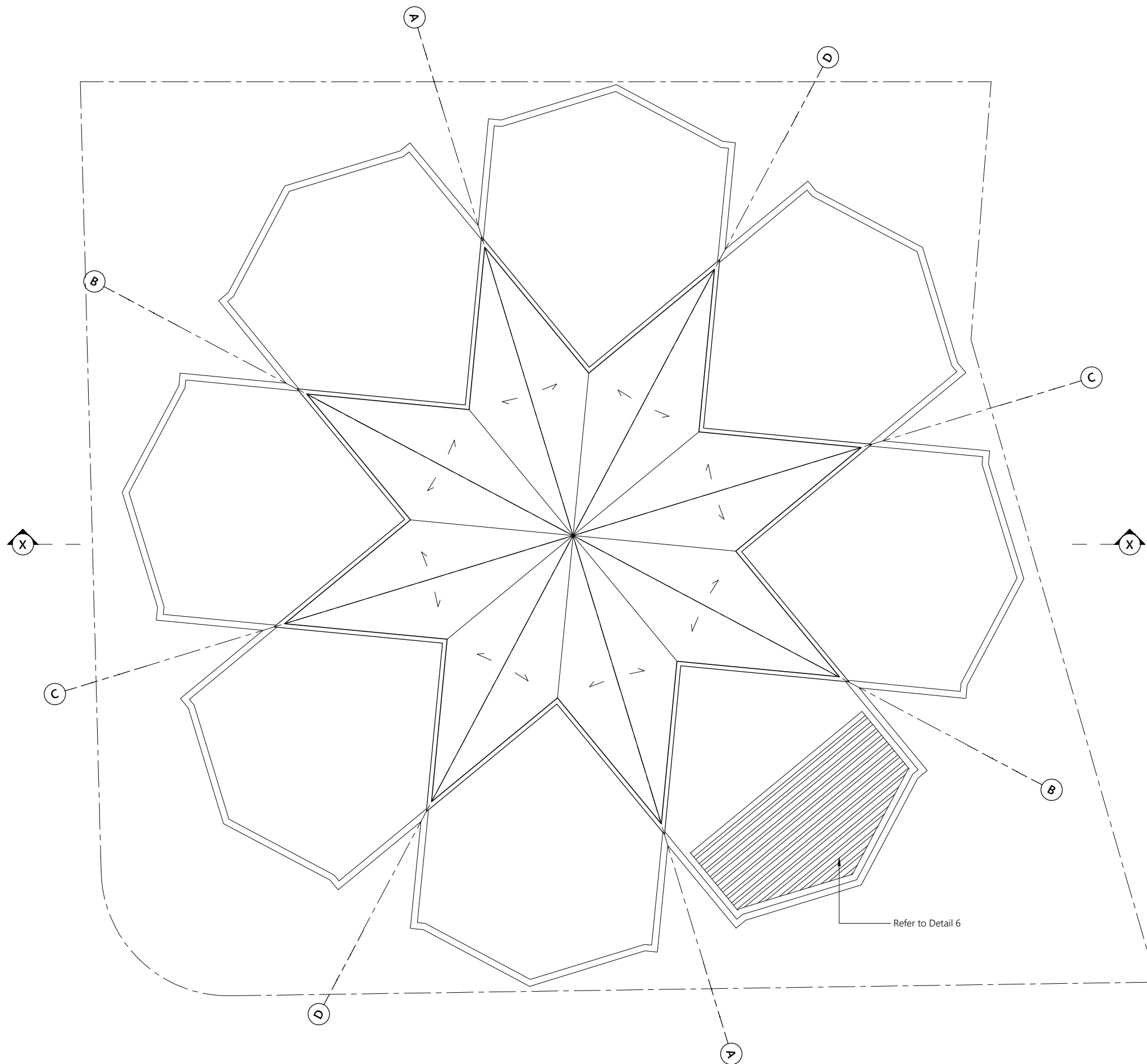
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A.2 (2)




ROOF PLAN  
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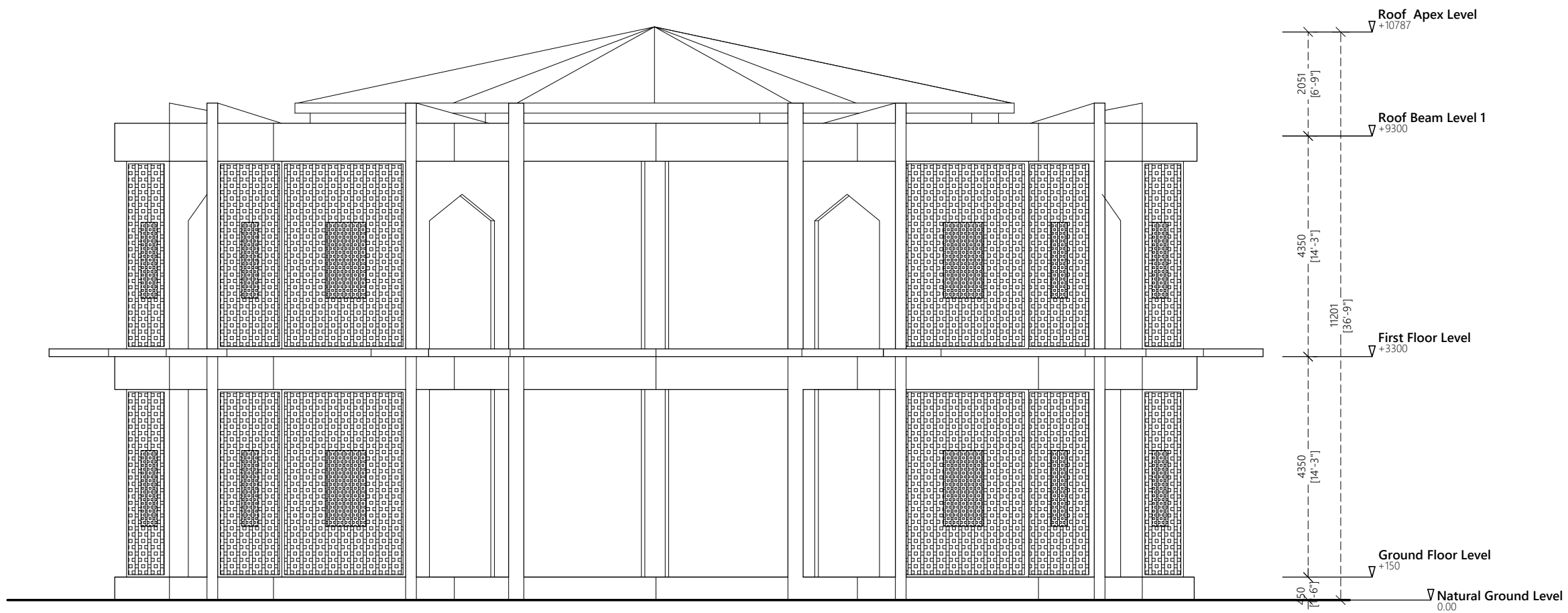
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---	<b>A.2 (3)</b>



ELEVATION E1  
1:100

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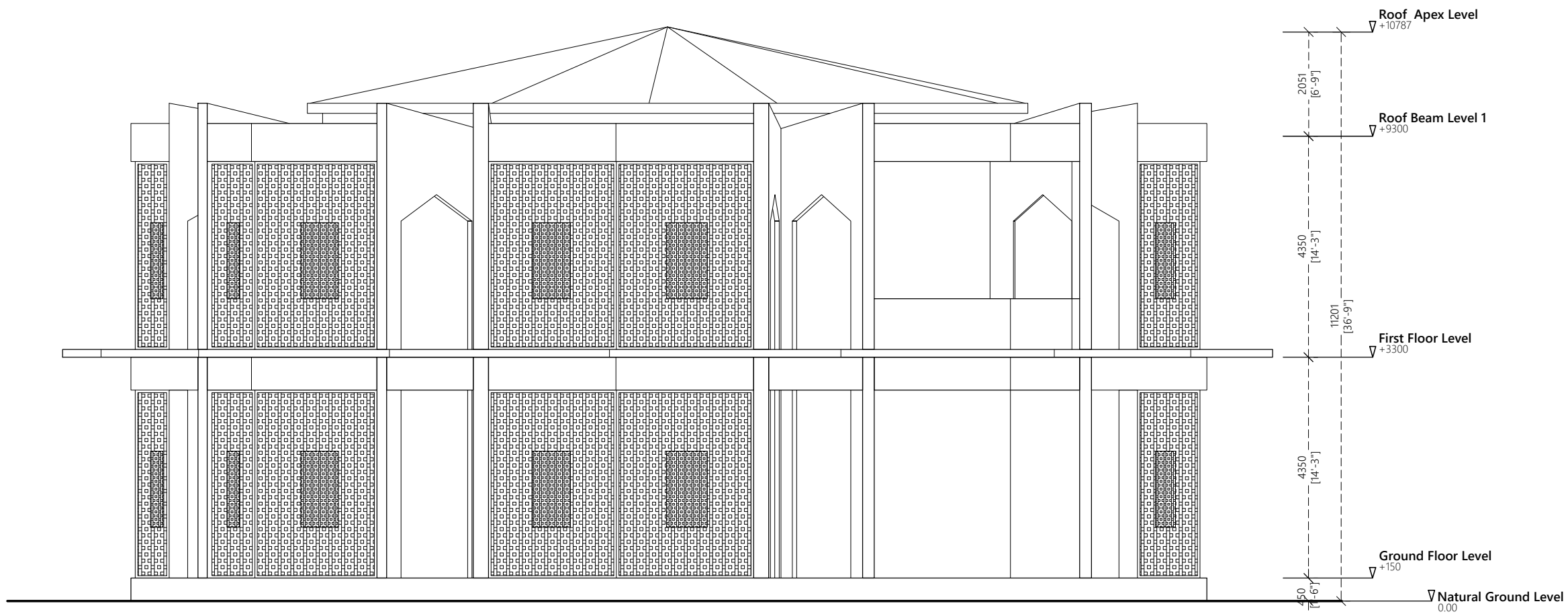
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---	<b>A.3 (1)</b>





ELEVATION E2  
1:100

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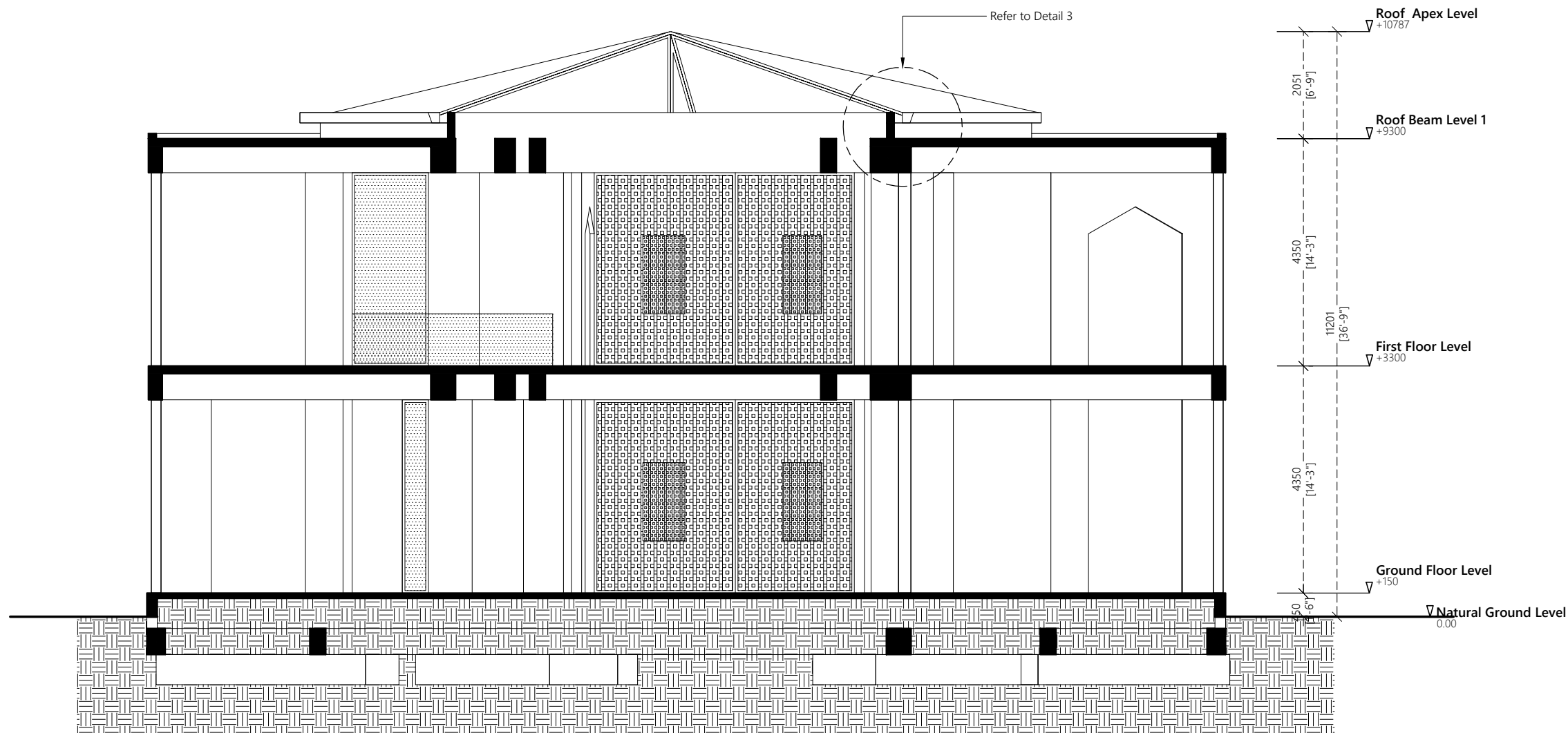
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**A.3 (2)**



SECTION X-X  
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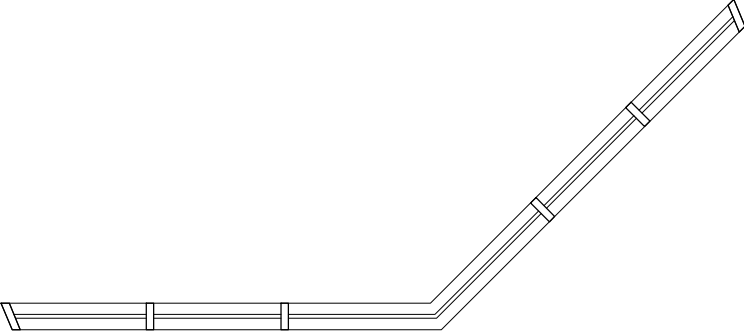

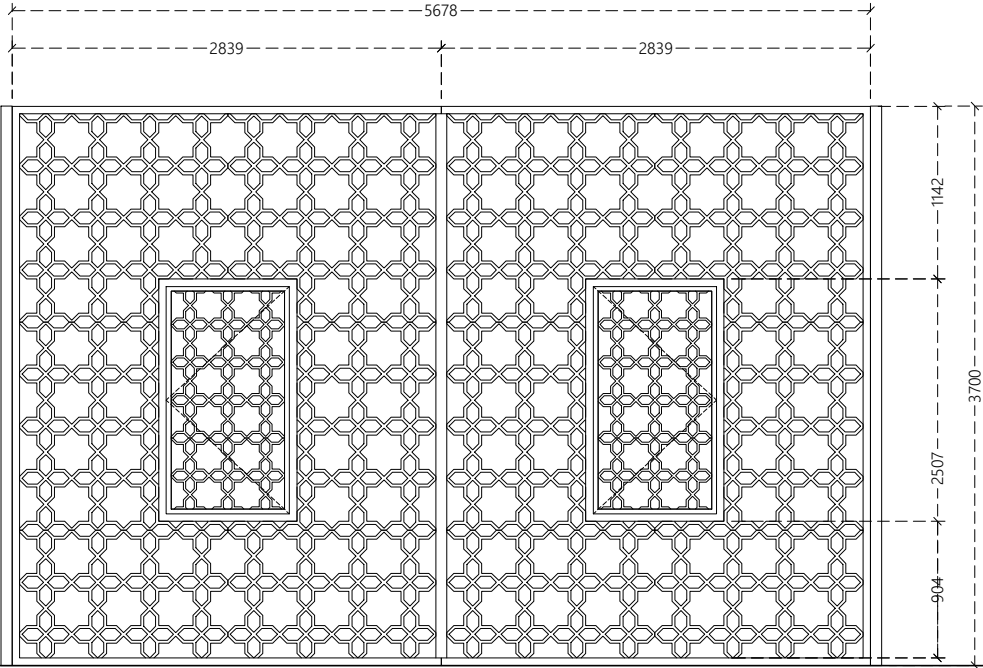
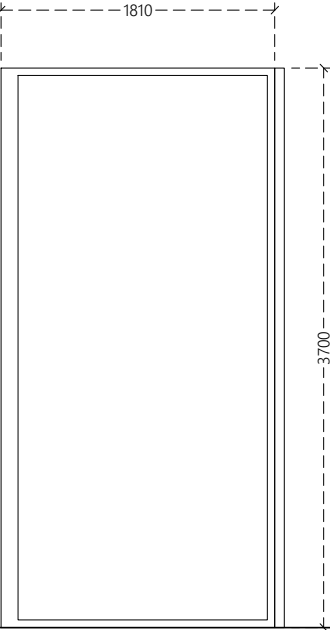
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---	<b>A.4 (1)</b>

Door ID	W1	W2
Plan view		
Elevation view		
FFL		
Frame material	Solid timber varnished	Solid timber varnished
Panel material	Solid core timber varnished with clear glass panels	Solid core timber varnished with clear glass panels
Openable area	2.95 Sqm	2.95 Sqm

**General Notes:**

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm  
All dor panel thicknesses are 35mm  
All window manel thickness are 25mm  
Al frame edges shal be trimmed 3mm

All wodden components should be wood stained finish

All glazing should be of 6mm unless specified

External units must comply the following weather conditions:-  
Wind pressure: 200 kg/sqm  
Water tightness: 25 kg/sqm



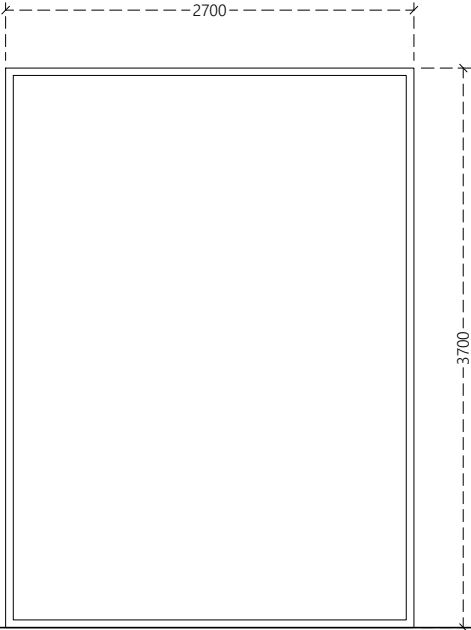
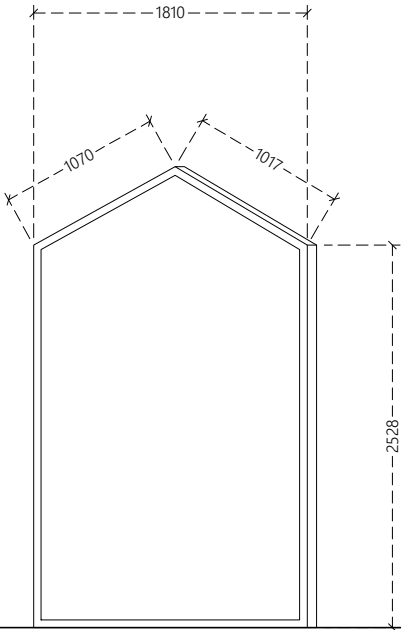
All external frames / wall joints must be sealed with silicon sealant and the wedges trimmed with 12X12mm hardwood beading fixed to frames by brass nails

All hardware should be provided for the performance of al functions of the units

Hinges shall confirm to  
1. Door size more than 700X1900mm  
WD: 125mm X2 sets  
SD: 150mm X3 sets  
2. Door size less than 700X1900mm  
WD: 100mm X2 sets  
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets

Door knobs shall be1000mm above FFL

Door ID	W3	W4
Plan view		
Elevation view		
Frame material	Solid timber varnished	Solid timber varnished
Panel material	Solid core timber varnished with clear glass panels	Solid core timber varnished with clear glass panels
Openable area	2.95 Sqm	2.95 Sqm

**General Notes:**

Dimensions shown on DWG indicate effective openings of frame

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- Door size less than 700X1900mm  
WD: 100mm X2 sets  
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets

Door knobs shall be1000mm above FFL

D1	D2	D3	D4
Solid timber varnished	Solid timber Varnished	Solid timber Varnished	Solid timber Varnished
Solid core timber varnished with clear glass panels	Solid core timber varnished	Solid core timber varnished	Solid core timber varnished
6.01 Sqm	1.43	1.43	1.10

**General Notes:**

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Ventilation Schedule

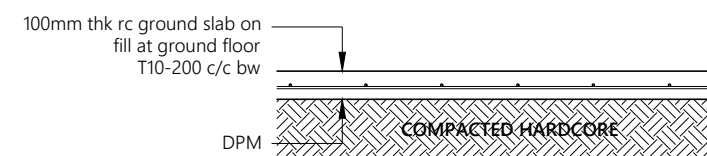
Room Name	Room Area	Opening	Required Opening	Designed Opening	Opening %
Ground Floor					
Prayer Area	189.03	MECHANICAL VENTILATION			
Men Ablution Area	22.02	MECHANICAL VENTILATION			
Women Ablution Area	13.07	MECHANICAL VENTILATION			
Women Prayer Area	49.07	MECHANICAL VENTILATION			
AV Room	1.67	MECHANICAL VENTILATION			
Store	2.99	MECHANICAL VENTILATION			
First Floor					
Prayer Area 1	181.65	MECHANICAL VENTILATION			
Prayer Area 2	57.53	MECHANICAL VENTILATION			

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Engineer: Adam Madeeh  
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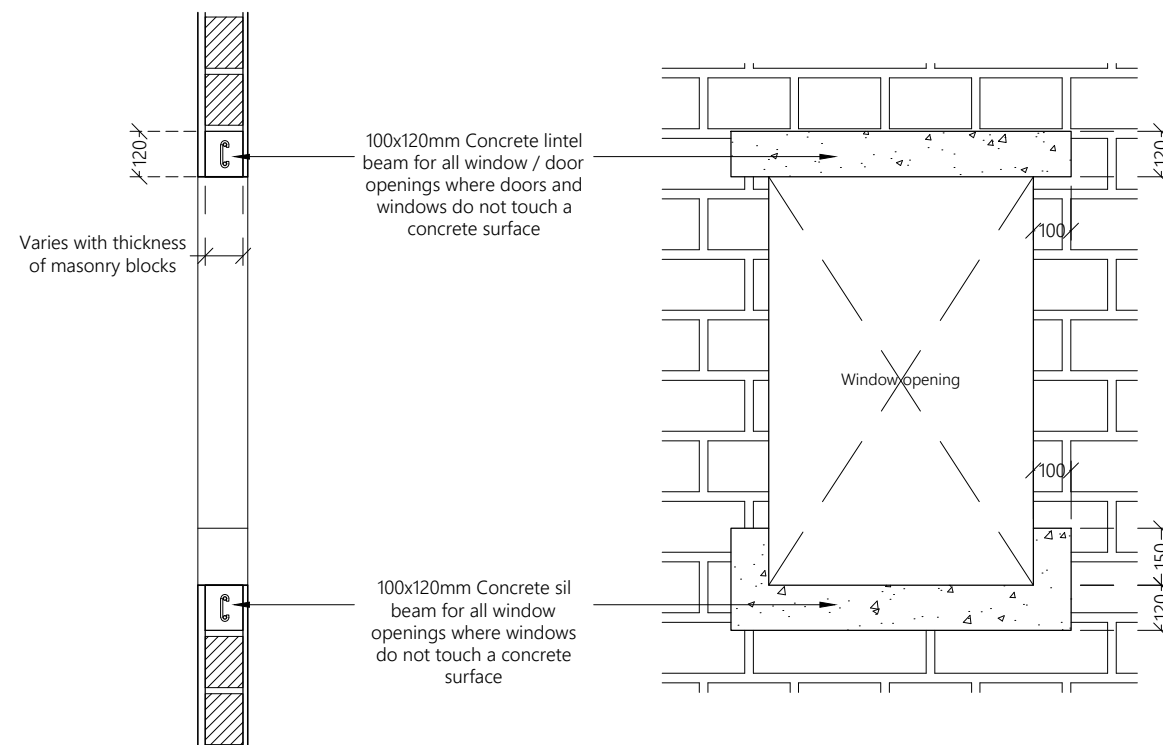


**Note:**

- All cover blocks shall be casted using grade C25/30 concrete with 5-10mm aggregates
- For slab, rebar spacer chairs spacing shall be minimum 1m spacing or 1 no. per 1 sqm

**TYPICAL GROUND SLAB DETAIL**

1:20



**TYPICAL OPENING DETAIL**

1:20

**DETAIL 1**

1:20

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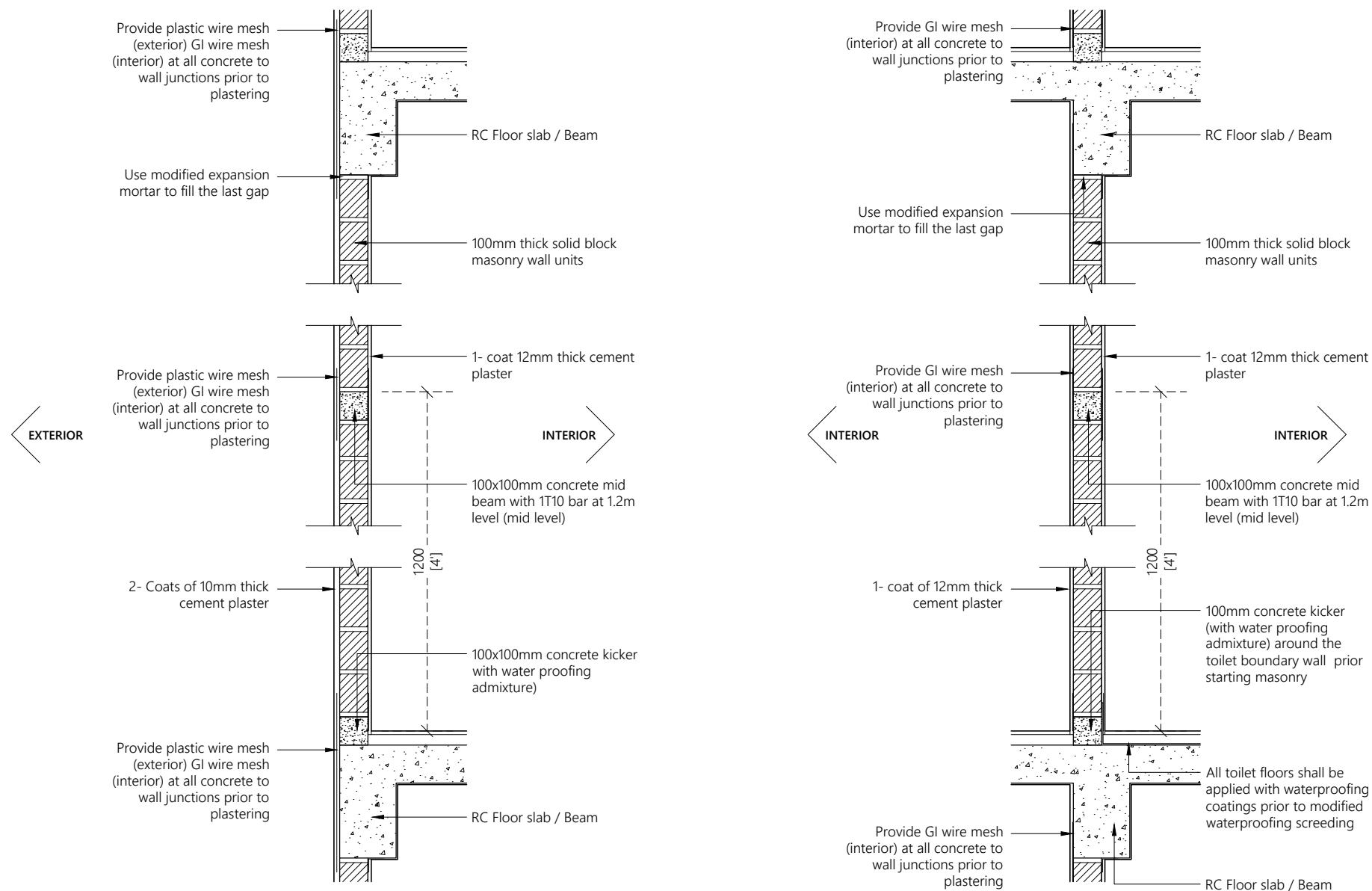
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	<b>A.D (1)</b>



**Note:**

- Concrete surfaces shall be thoroughly cleaned with water & applied with mastercast 141 or equivalent bonding mortar prior to plastering.
- Plastering mortar mix shall be 1:4 (cement: sand) ratio.
- Plaster mix shall be modified using fibre wool & mastercast 141 or equivalent plasticisers as per manufacturer's specification.
- Height of placing blocks shall be maximum 1.2m per day.
- After initial coat of plastering, water curing shall be provided for minimum 3 days & after final coat water curing shall be provided for 7 days.

**TYPICAL WALL CONSTRUCTION DETAIL**

1:20

**DETAIL 2**

1:20

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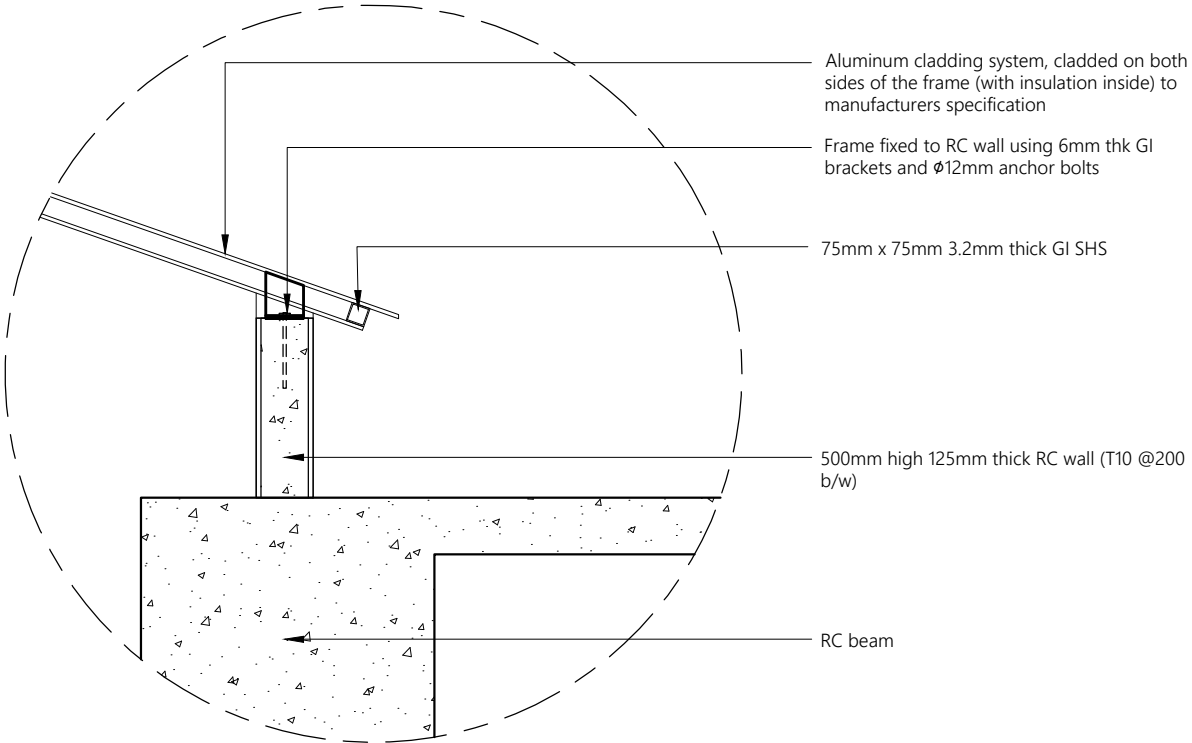
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A.D (2)





TYPICAL ROOF DETAIL

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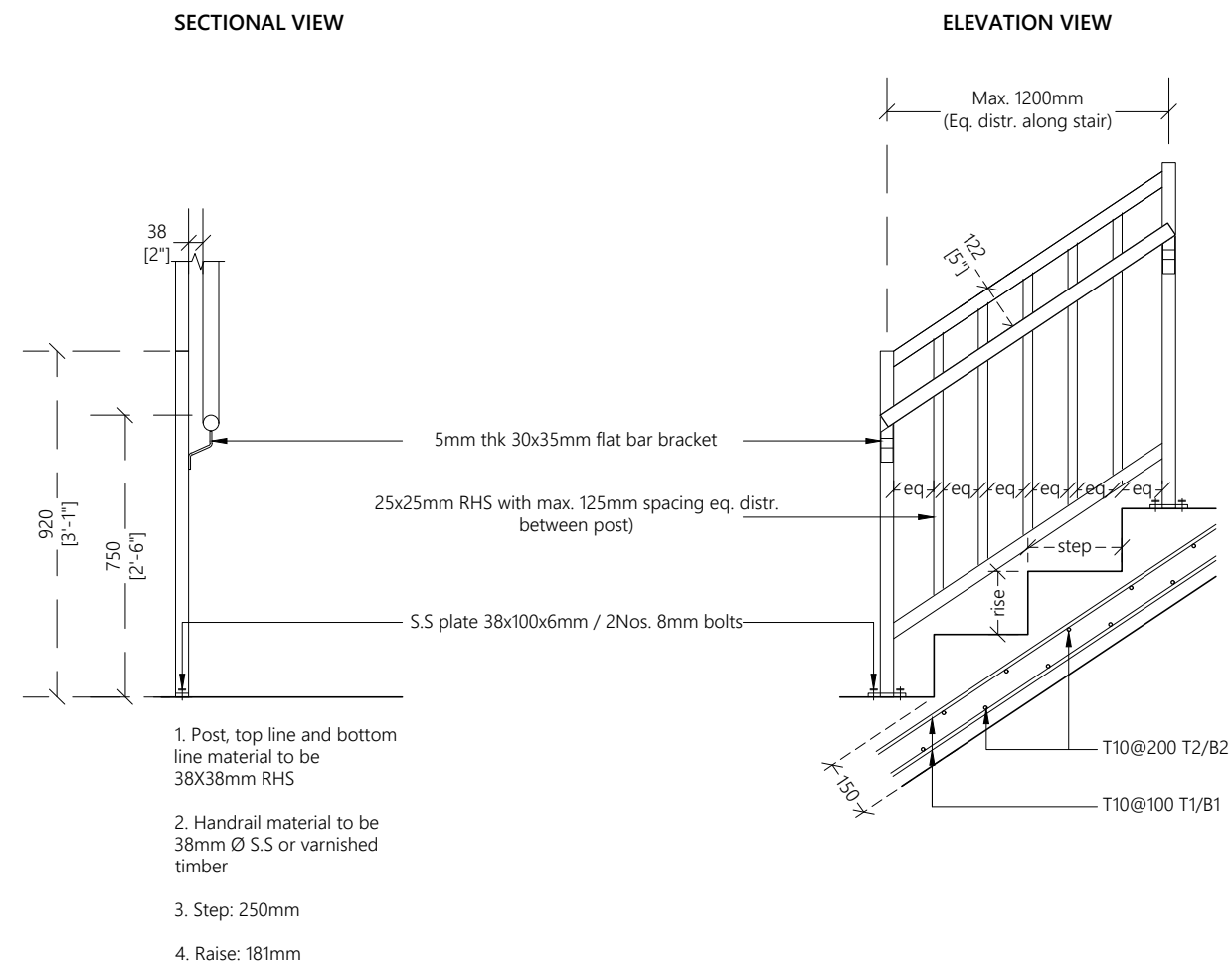
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---	A.D (3)
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**STAIR DETAIL**

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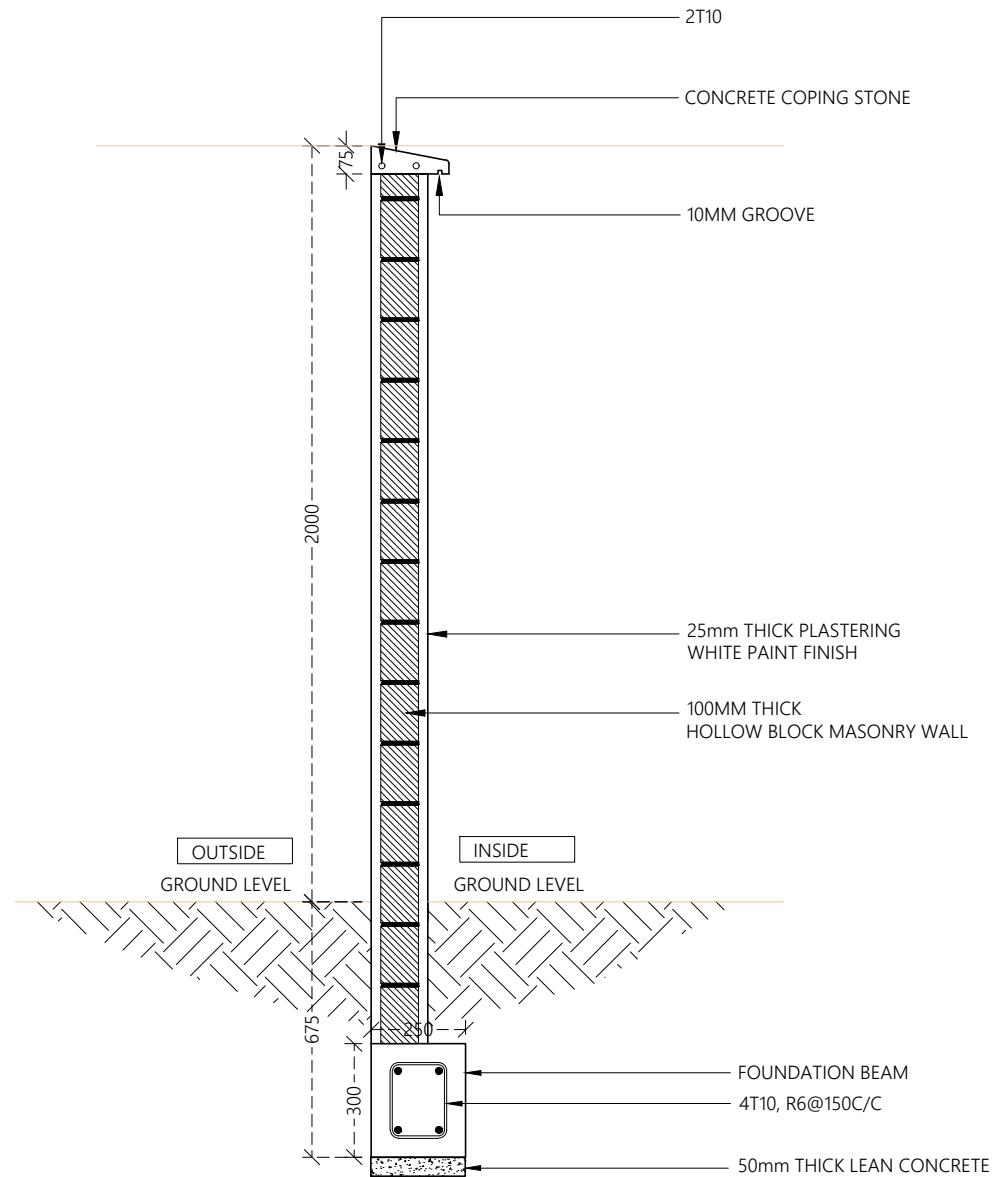
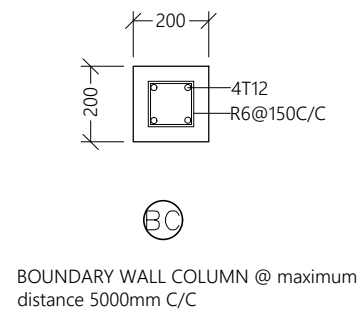
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---	<b>A.D (4)</b>
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BOUNDARY WALL DETAIL

1:20

DETAIL 5  
1:20

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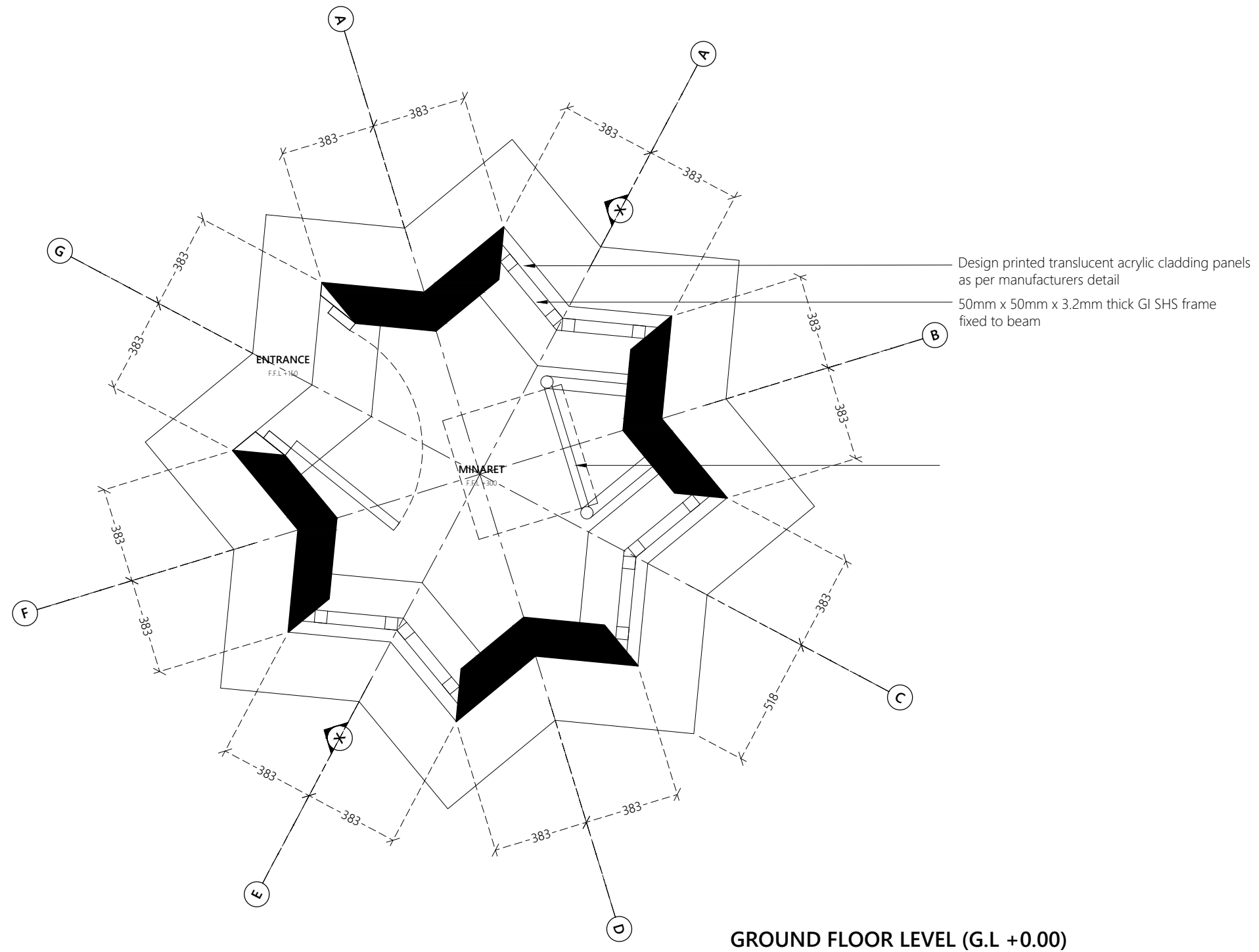
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1:20

DETAIL 7  
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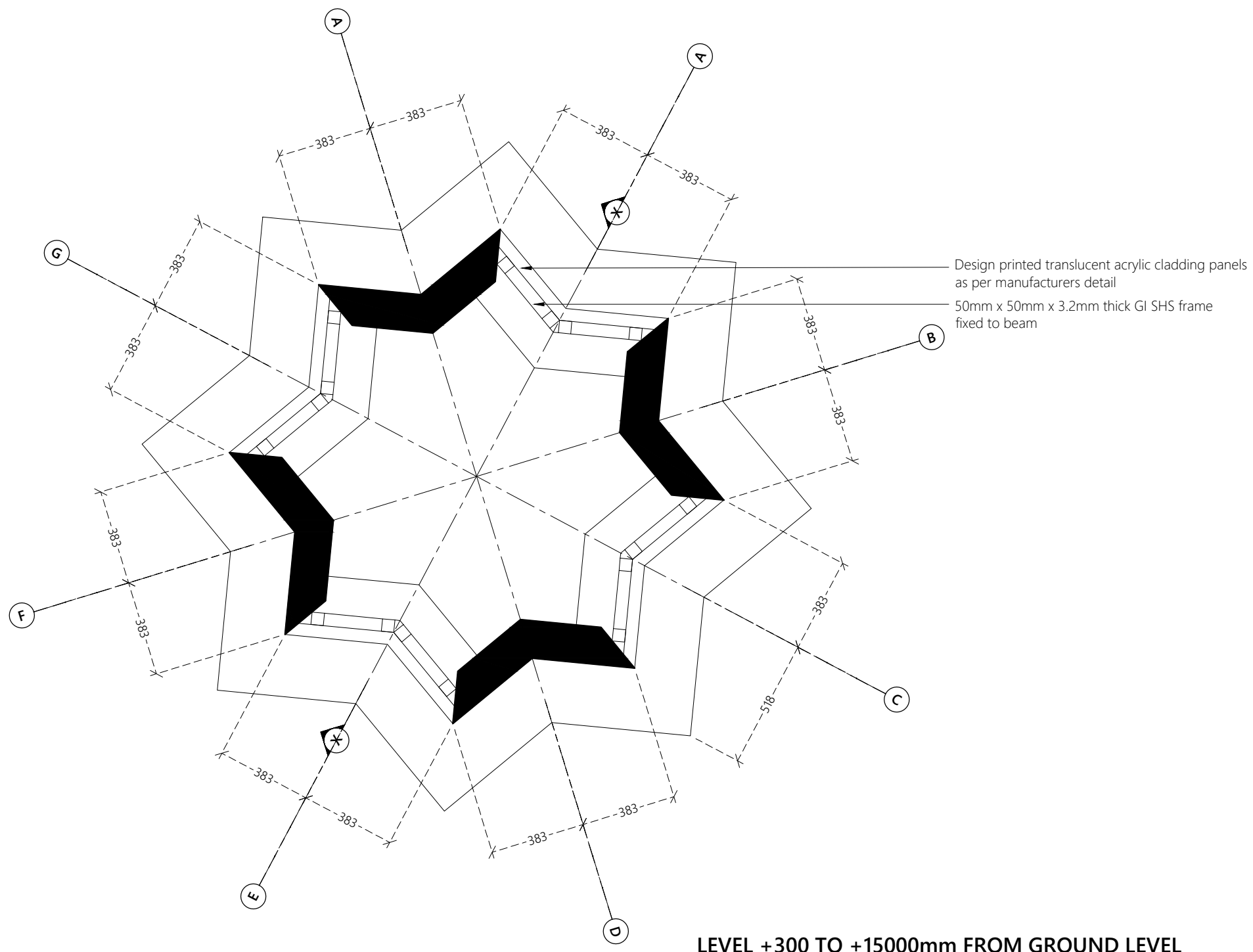
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DETAIL 7A  
1:20

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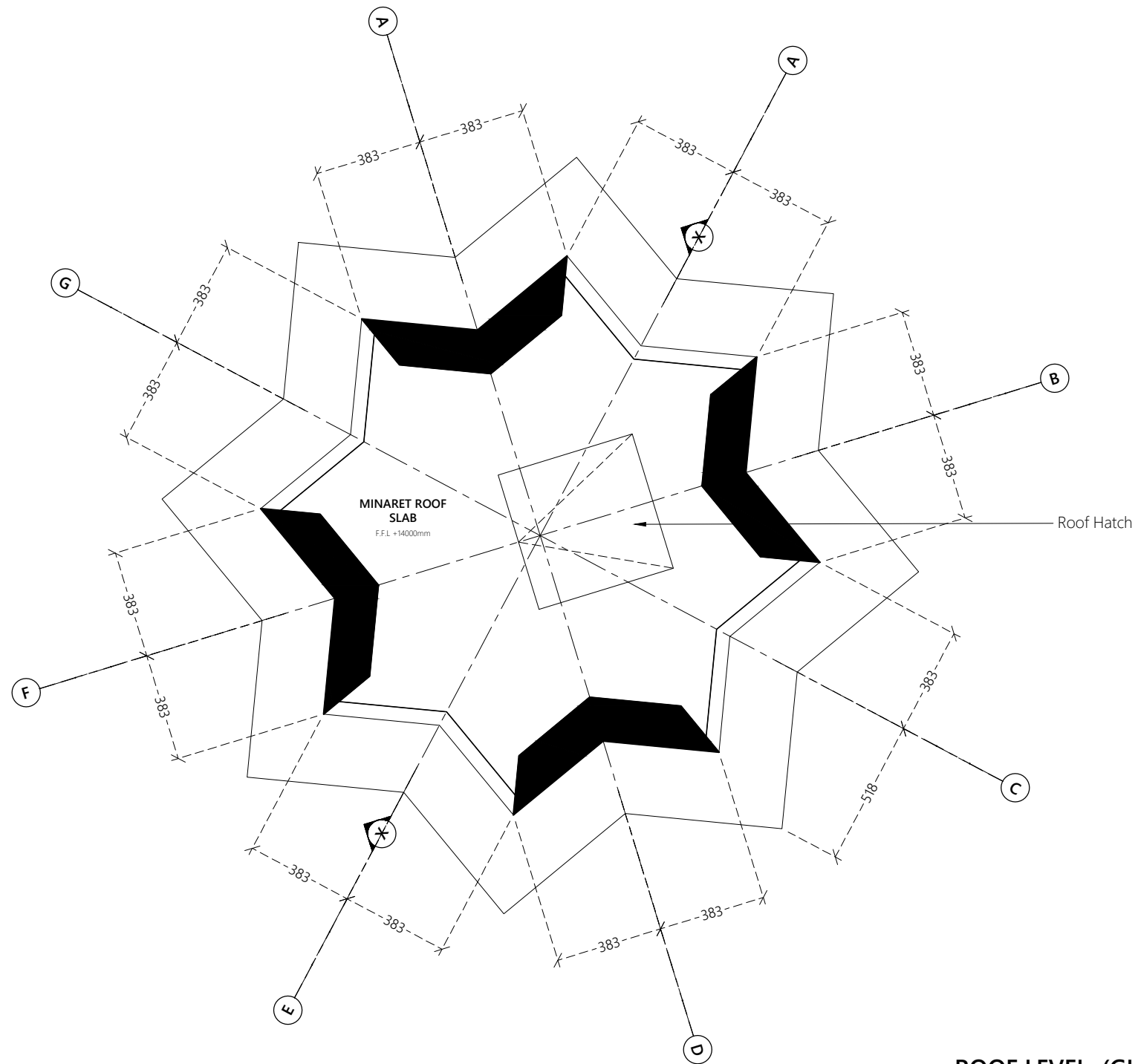
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**A.D (7A)**



ROOF LEVEL (GL +14000mm)  
1:20

DETAIL 7B  
1:20

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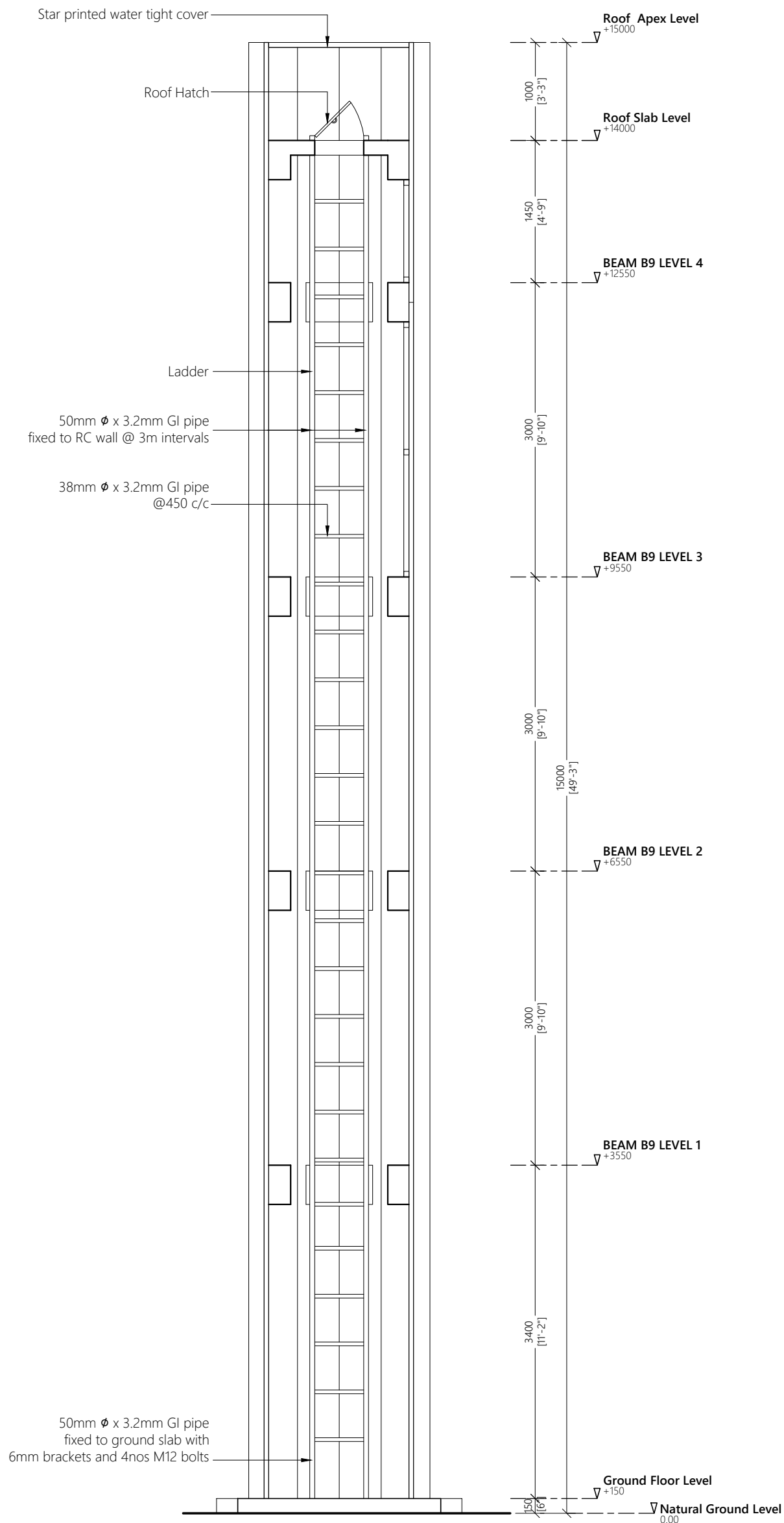
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**A.D (7B)**



DETAIL 7C

1:20

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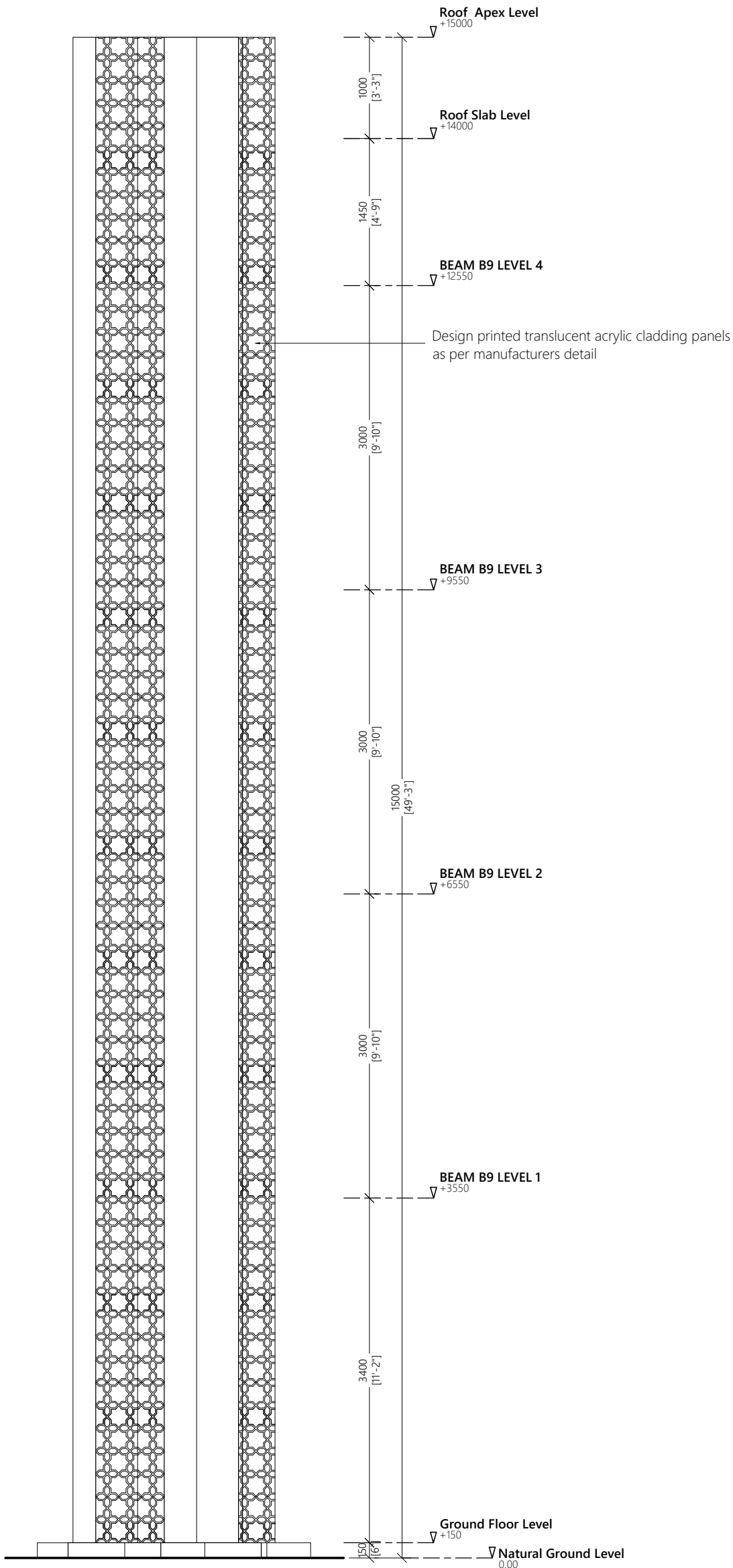
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A.D(7C)





MINARET ELEVATION E1

1:50

DETAIL 7D

1:20

PROPOSED 02 STOREY BUILDING AT

**Masjid Al Hudha,**

**Gn. Fuvahmulah**

Client:


**Ministry of Islamic Affairs**

October 2019

Architect: Mohamed Hassaan

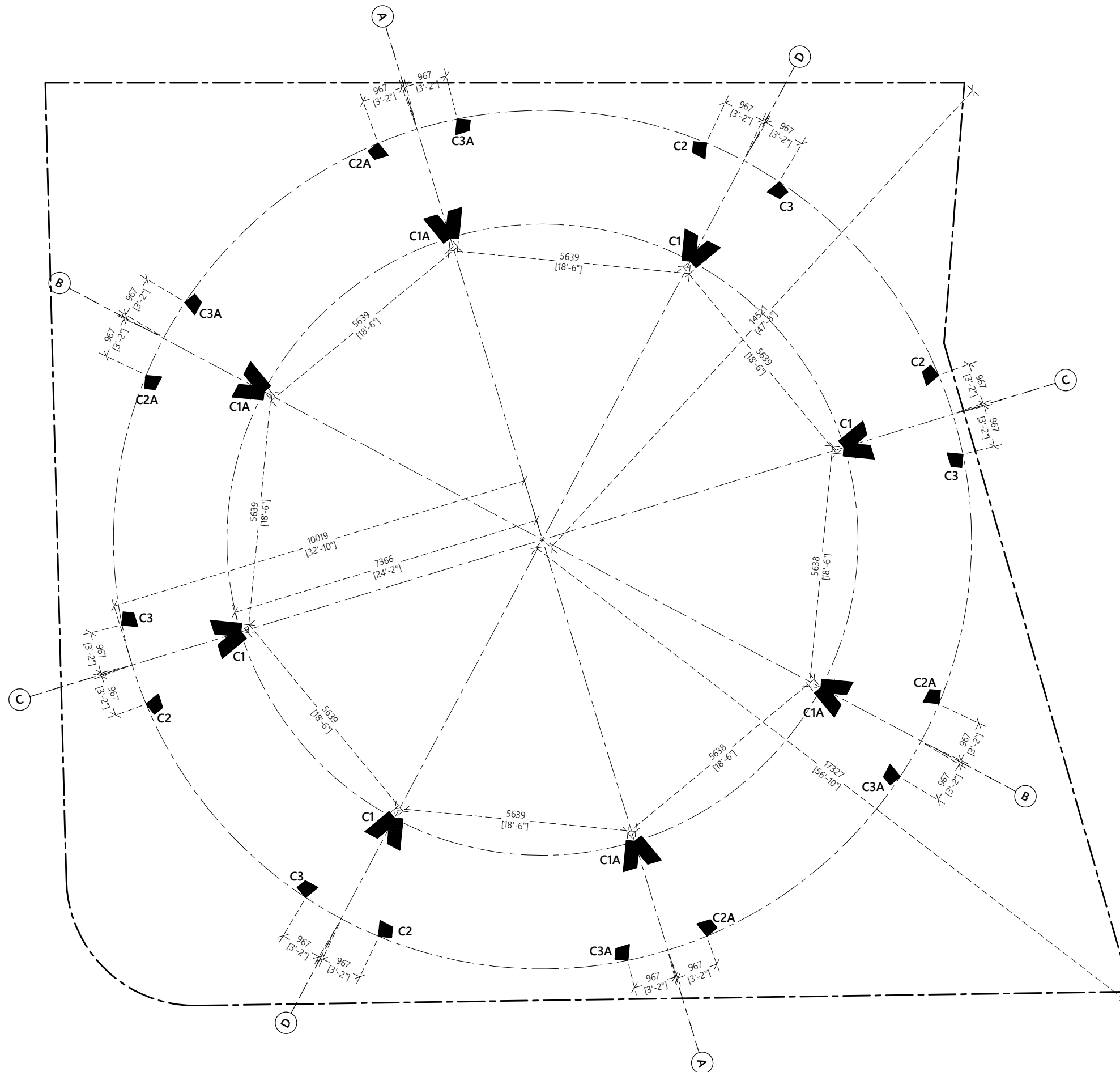
Engineer: Adam Madeeh

Drawn By: Mohamed Hassaan

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COLUMN SETTING OUT PLAN  
1:100

PROPOSED 02 STOREY BUILDING AT  
**Masjid Al Hudha,  
Gn. Fuvahmulah**

Client:  
**Ministry of Islamic Affairs**

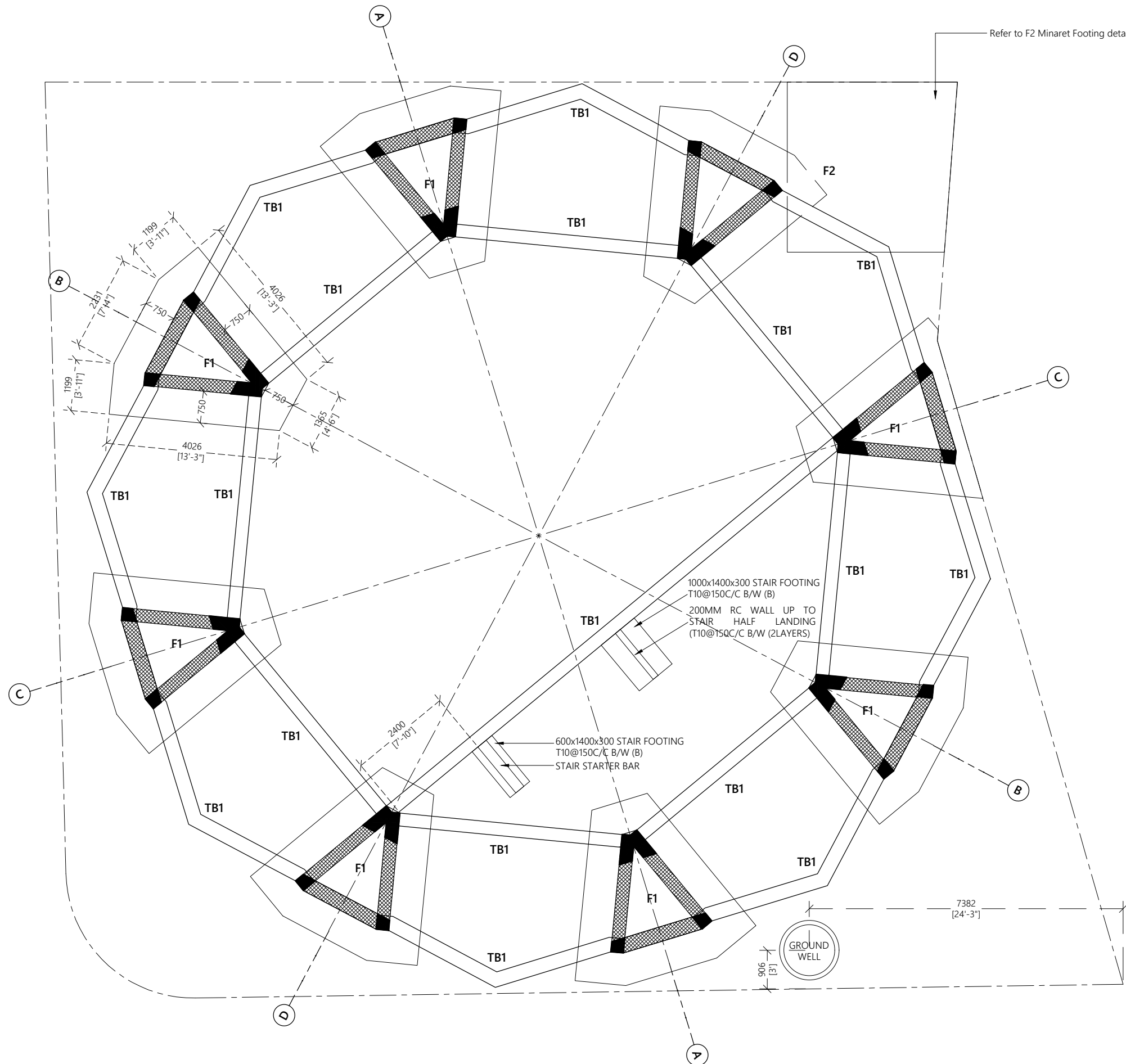
October 2019

Architect: Mohamed Hassaan  
Engineer: Adam Madeeh  
Drawn By: Mohamed Hassaan

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- FOUNDATION DEPTH - 1300mm
- FOOTING F1 = 575mm thick footing reinforced with T16@75C/C B/W T&B

FOUNDATION PLAN

1:100

PROPOSED 02 STOREY BUILDING AT  
**Masjid Al Hudha,  
Gn. Fuvahmulah**

Client:  
**Ministry of Islamic Affairs**

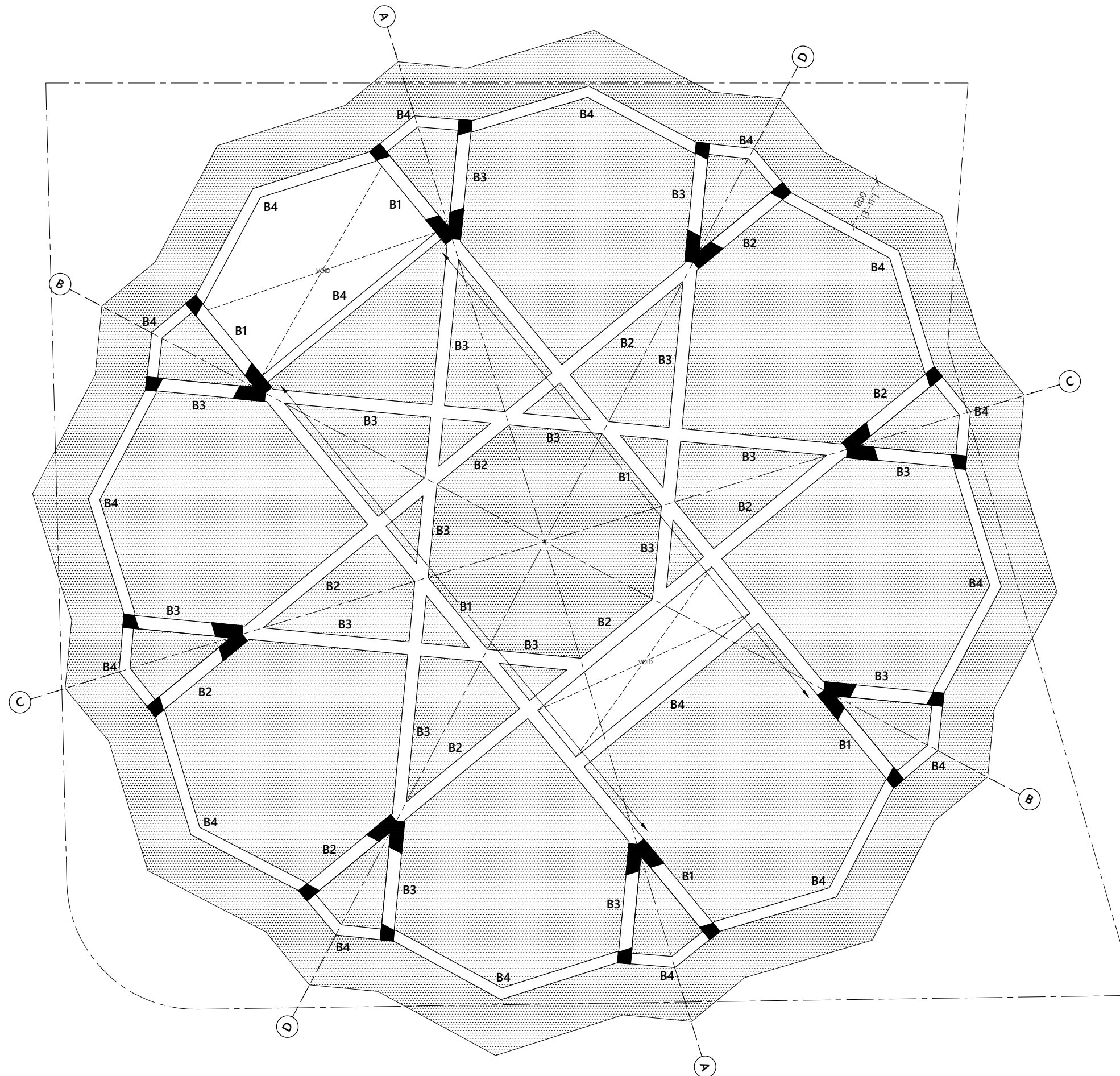
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Engineer: Adam Madeeh  
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FIRST FLOOR BEAM LAYOUT  
1:100

PROPOSED 02 STOREY BUILDING AT  
**Masjid Al Hudha,  
Gn. Fuvahmulah**

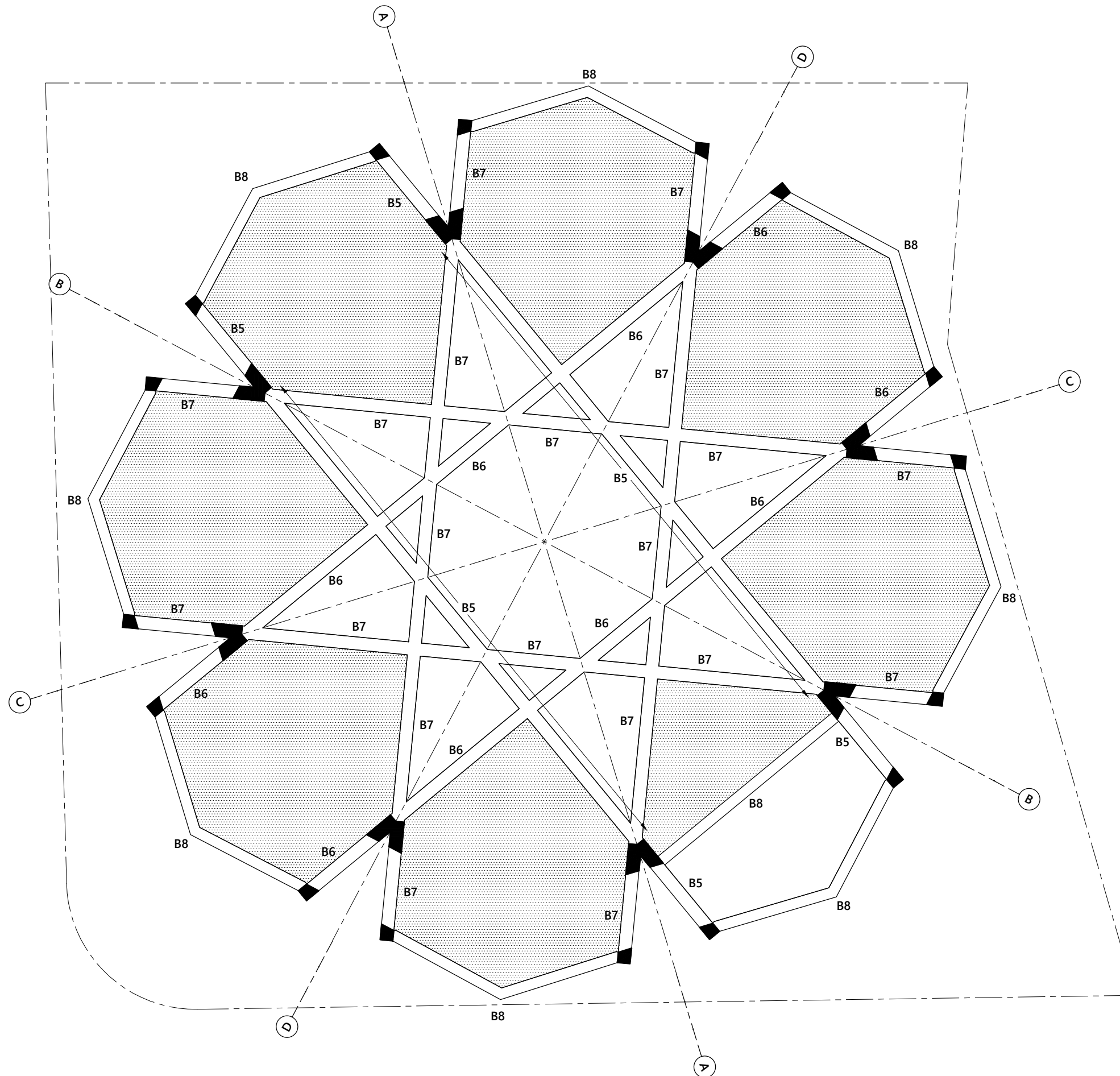
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ROOF BEAM LAYOUT  
1:100

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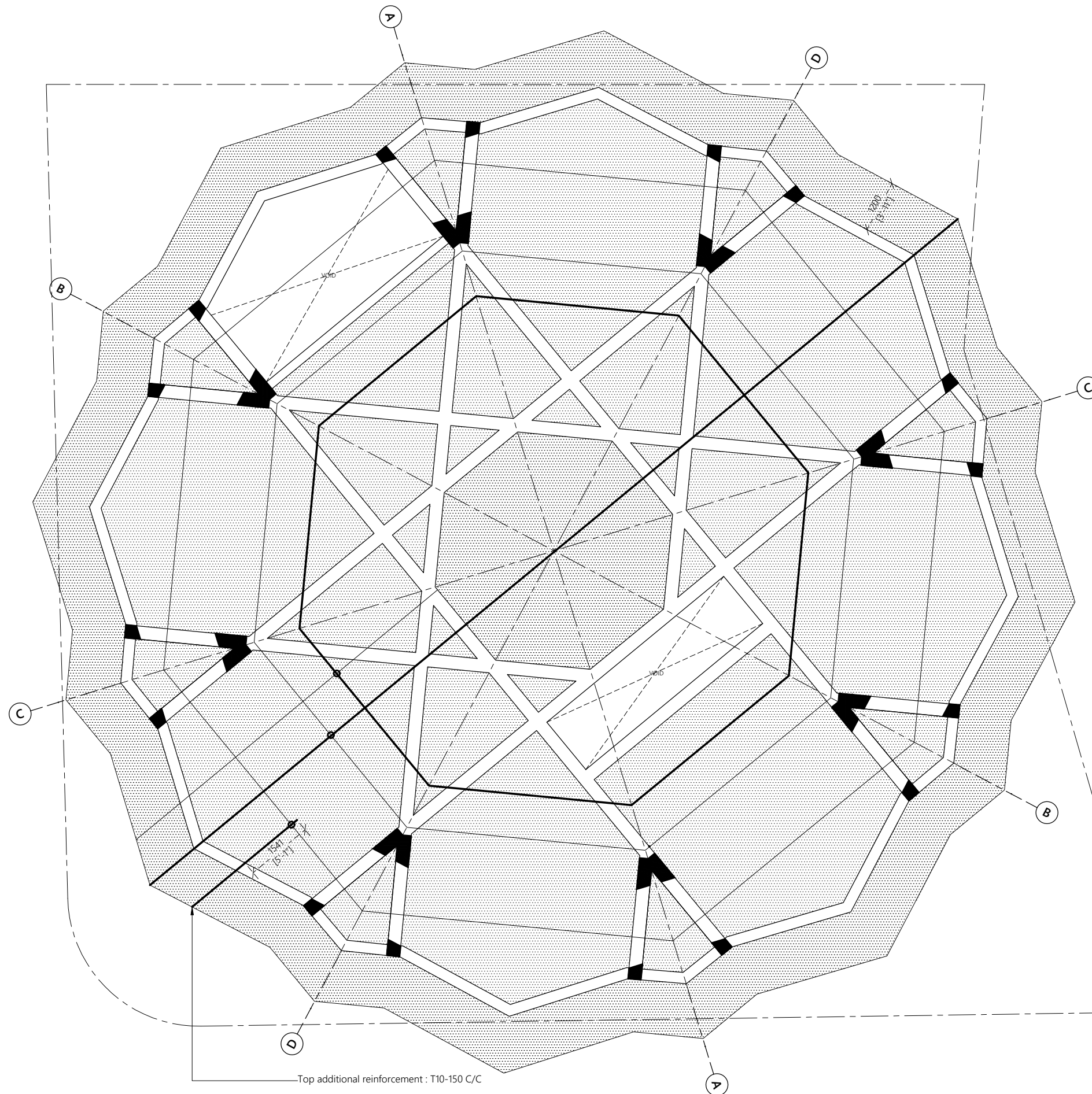
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- NOTE:
- Slab thickness : 150mm
  - Bottom reinforcement : T10-150 C/C B/W (not shown)
  - Top reinforcement : T10-150 C/C (as shown , unless stated)
  - Top distribution steels : T10-150 C/C (unless stated)
  - Provide 30mm cover

FIRST FLOOR SLAB LAYOUT  
1:100

PROPOSED 02 STOREY BUILDING AT  
**Masjid Al Hudha,  
Gn. Fuvahmulah**

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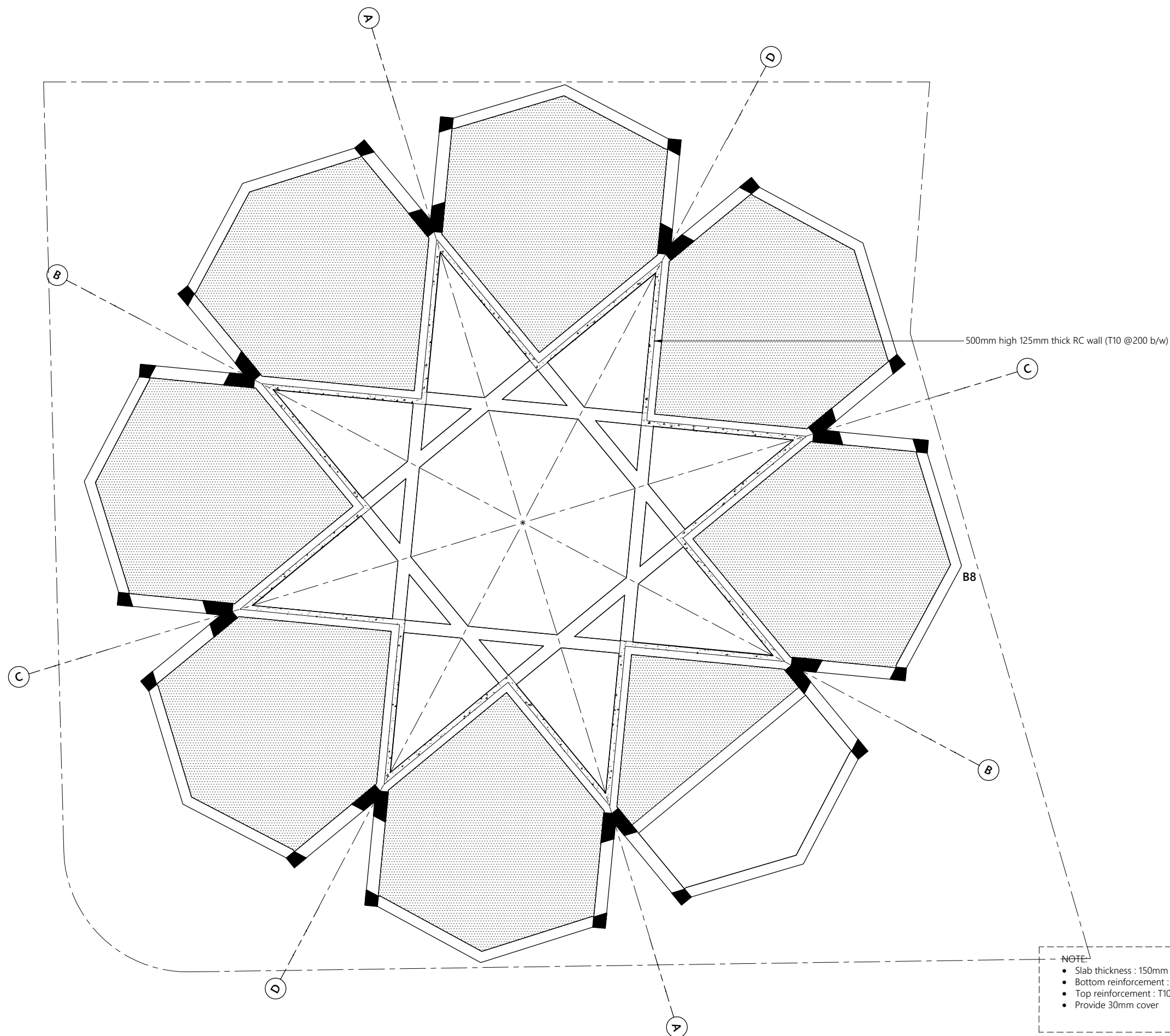
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Engineer: **Adam Madeeh**  
Drawn By: **Mohamed Hassaan**

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--- S.3 (1)  
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ROOF SLAB LAYOUT  
1:100

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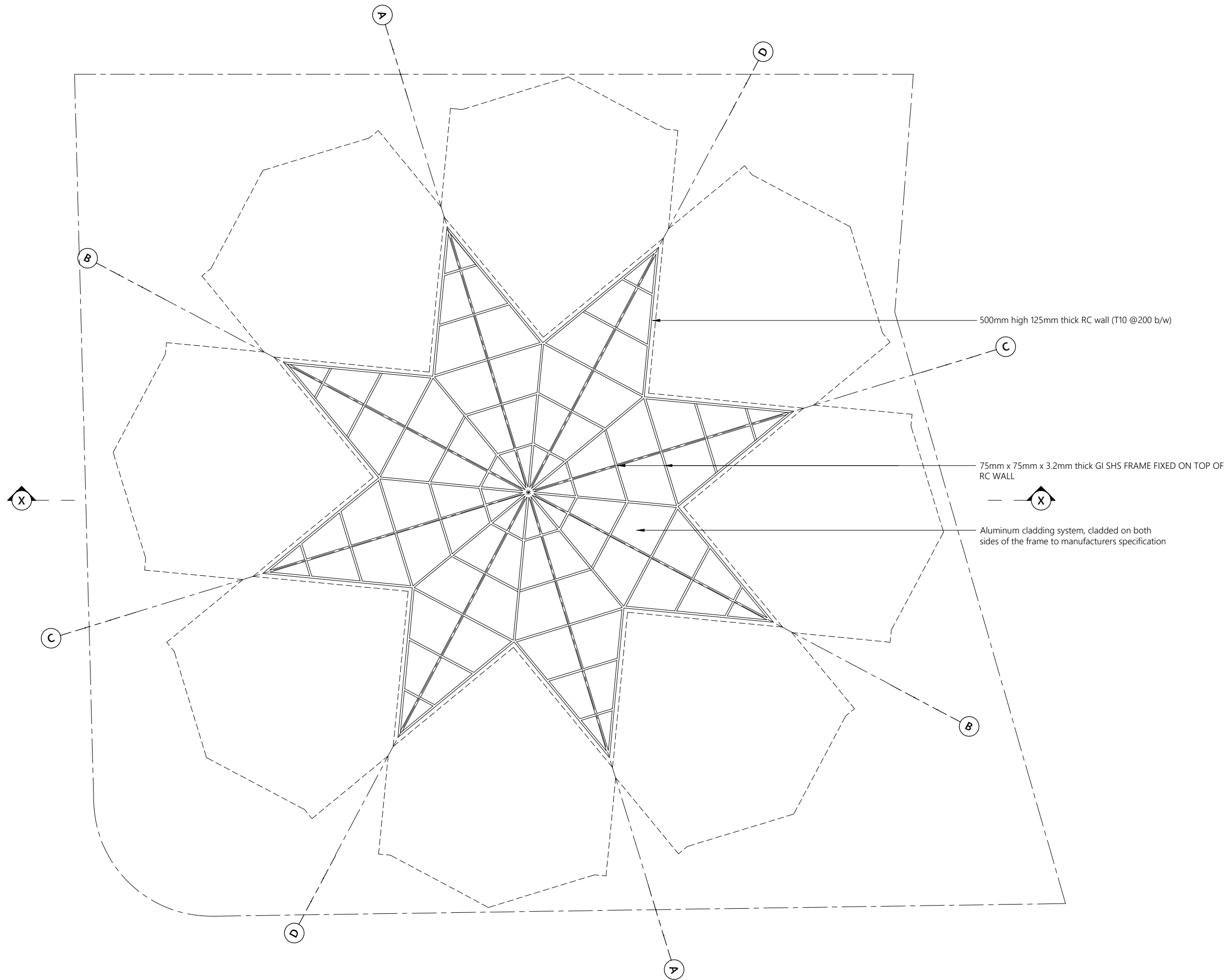
Architect: Mohamed Hassan  
Engineer: Adam Madeeh  
Drawn By: Mohamed Hassan

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**S.3 (2)**



ROOF FRAMING LAYOUT  
1:100

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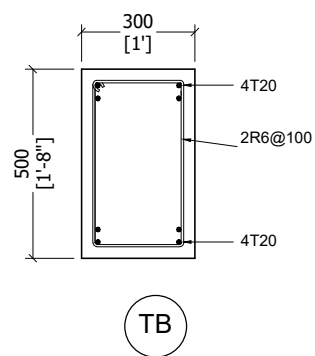
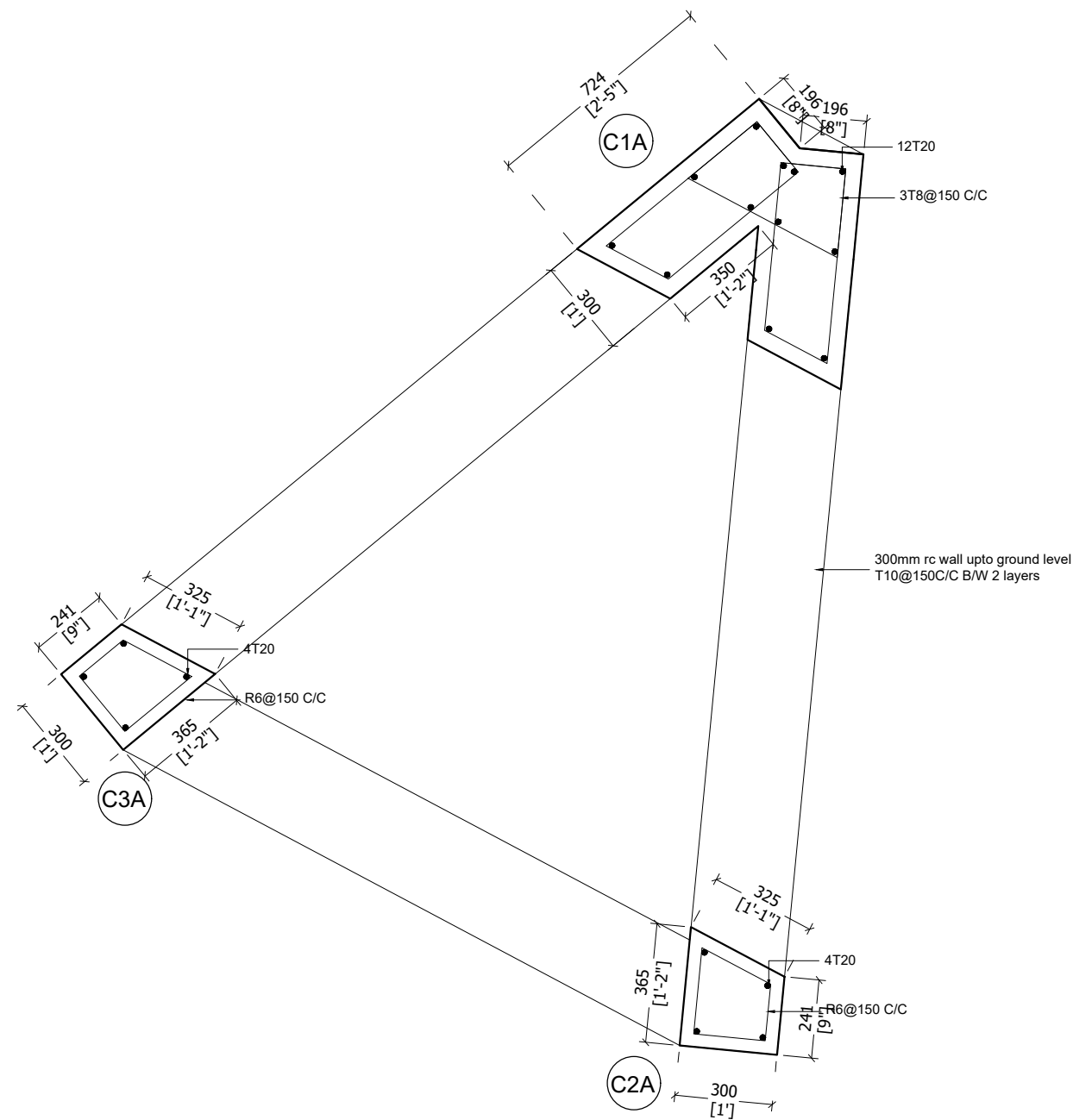
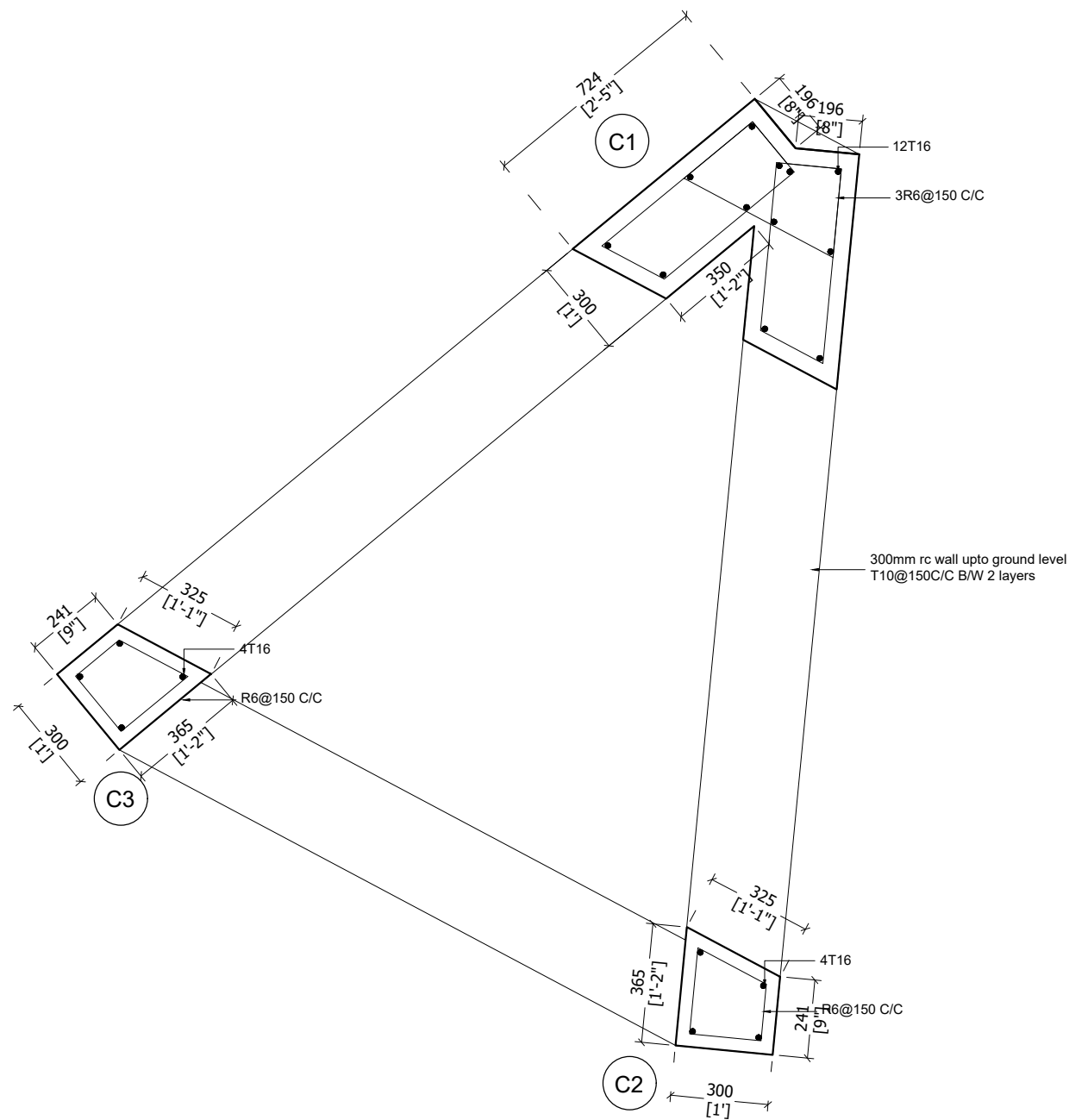
Architect: Mohamed Hassaan  
Engineer: Adam Madeeh  
Drawn By: Mohamed Hassaan



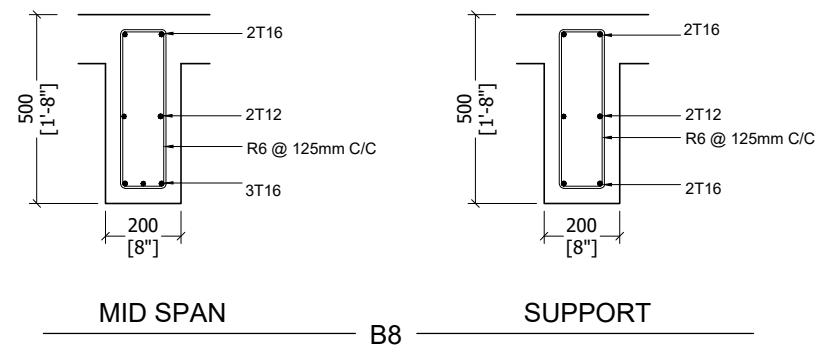
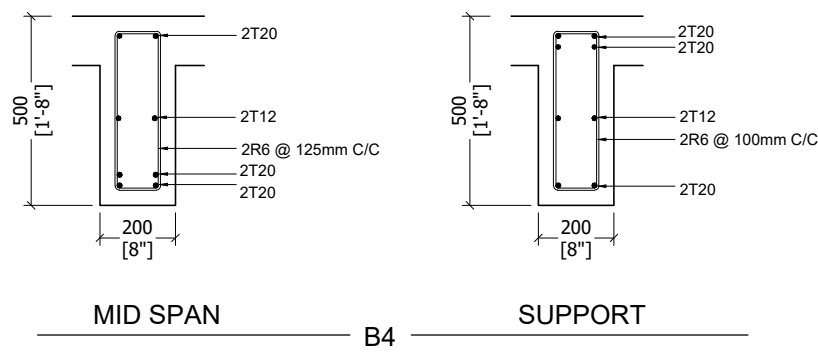
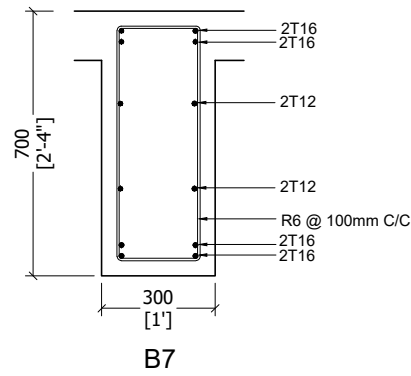
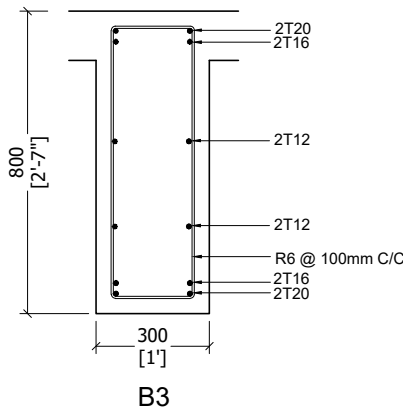
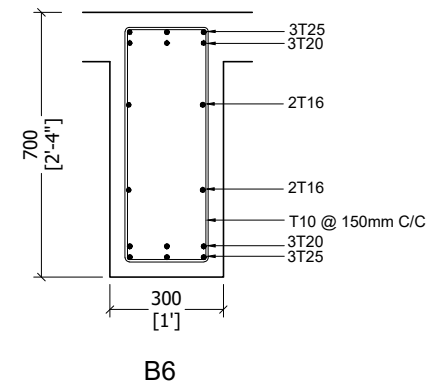
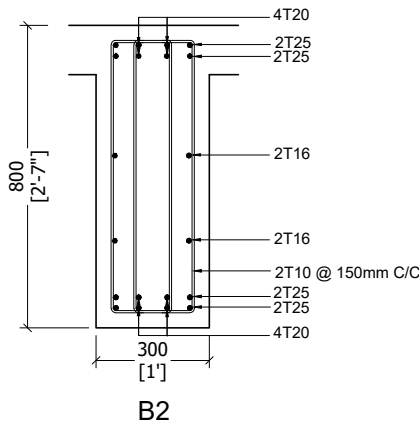
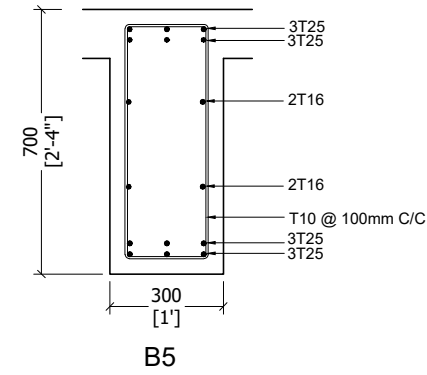
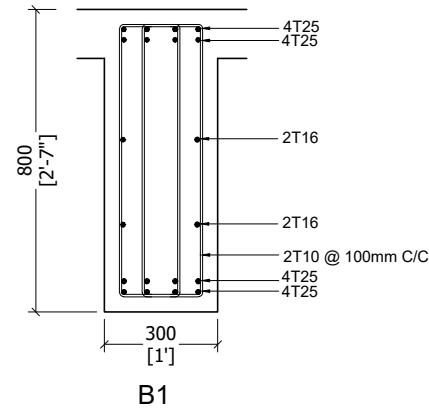
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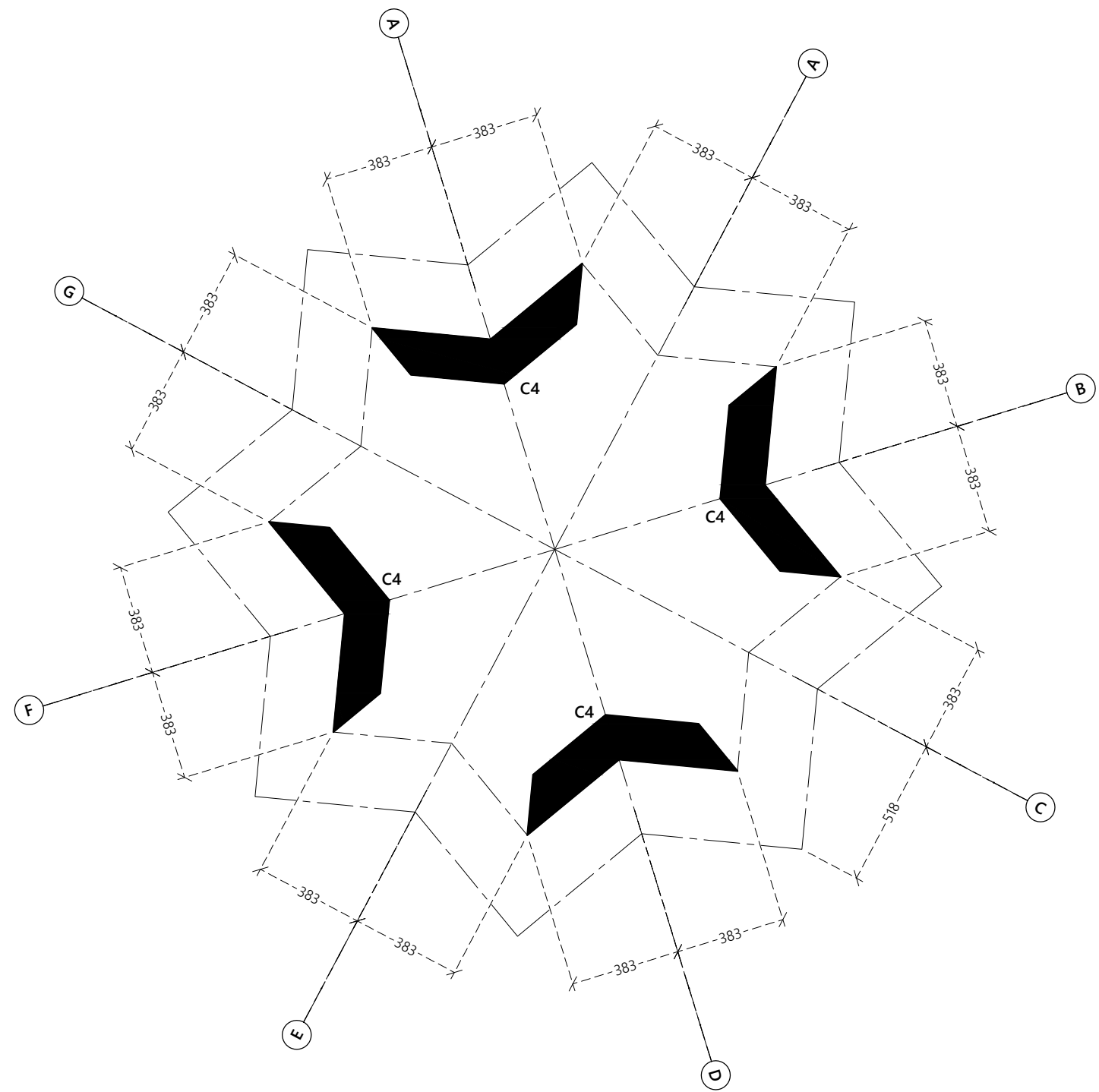
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Note:  
 cover to foundation = 50mm  
 cover to floor slabs = 30mm  
 cover to floor beams = 35mm  
 cover to columns = 40mm  
 laps = 45 dia (dia = bar diameter)  
 mid bars = 0.85 x span  
 sup bars = 1/3 x span  
 concrete mix = 1:2:3 (C:S:A)  
 lean concrete mix = 1:2:5





MINARET COLUMN SETTING OUT PLAN

1:20

PROPOSED 02 STOREY BUILDING AT  
**Masjid Al Hudha,  
Gn. Fuvahmulah**

Client:  
**Ministry of Islamic Affairs**

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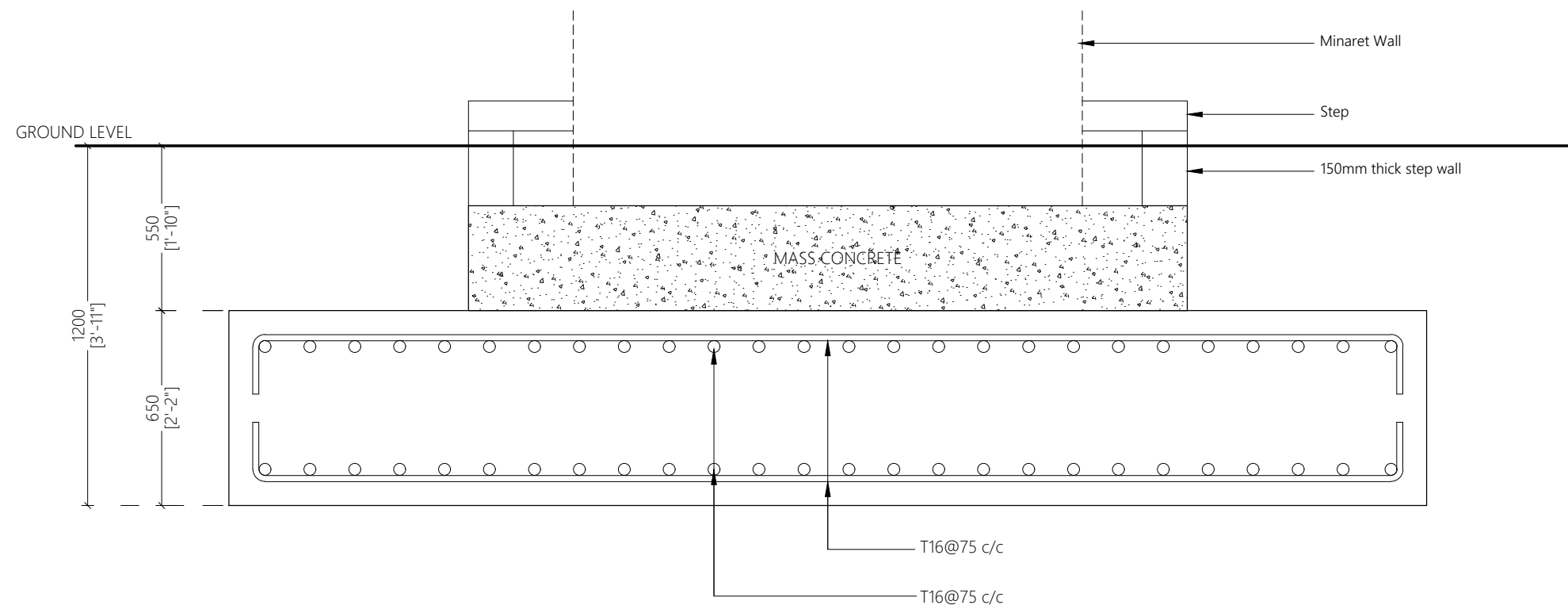
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---	<b>S.D (3)</b>
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Note:  
 cover to foundation = 50mm  
 cover to floor slabs = 30mm  
 cover to floor beams = 35mm  
 cover to columns = 40mm  
 laps = 45 dia (dia = bar dimeter)  
 mid bars = 0.85 x span  
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 concrete mix = 1:2:3 (C:S:A)  
 lean concrete mix = 1:2:5

## MINARET F2 FOOTING SECTION DETAIL

1:20

PROPOSED 02 STOREY BUILDING AT  
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**Gn. Fuvahmulah**

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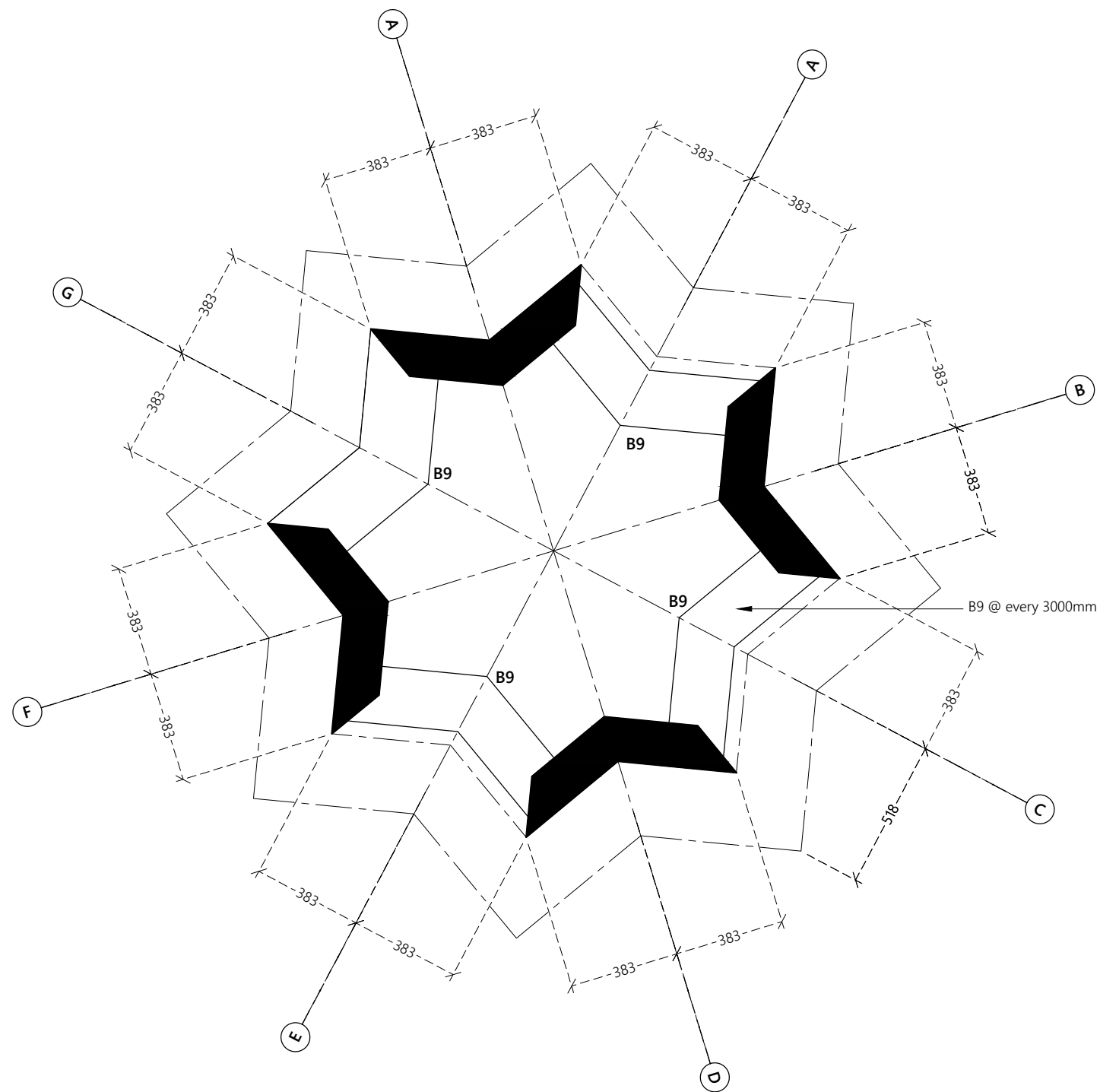
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 Engineer: Adam Madeeh  
 Drawn By: Mohamed Hassaan



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MINARET BEAM LAYOUT PLAN

1:20

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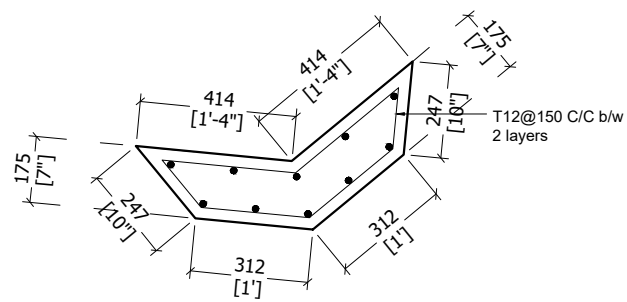
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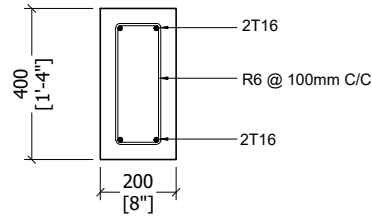


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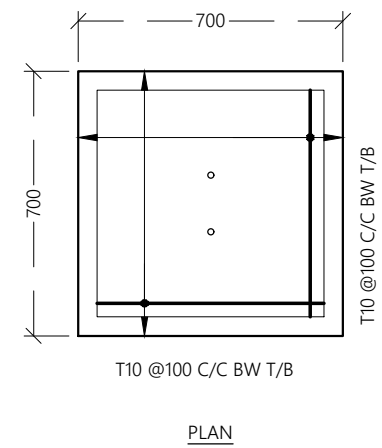
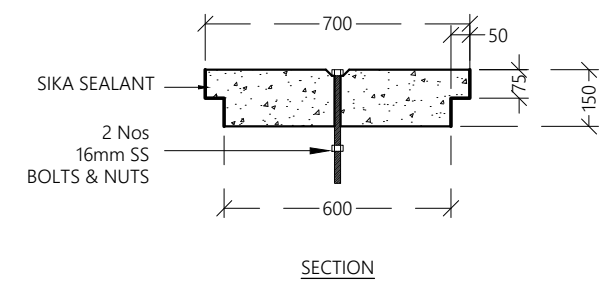
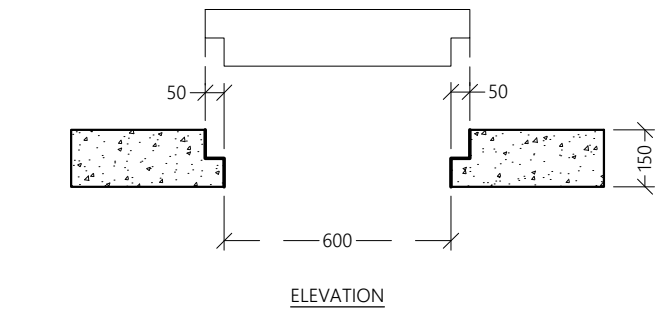
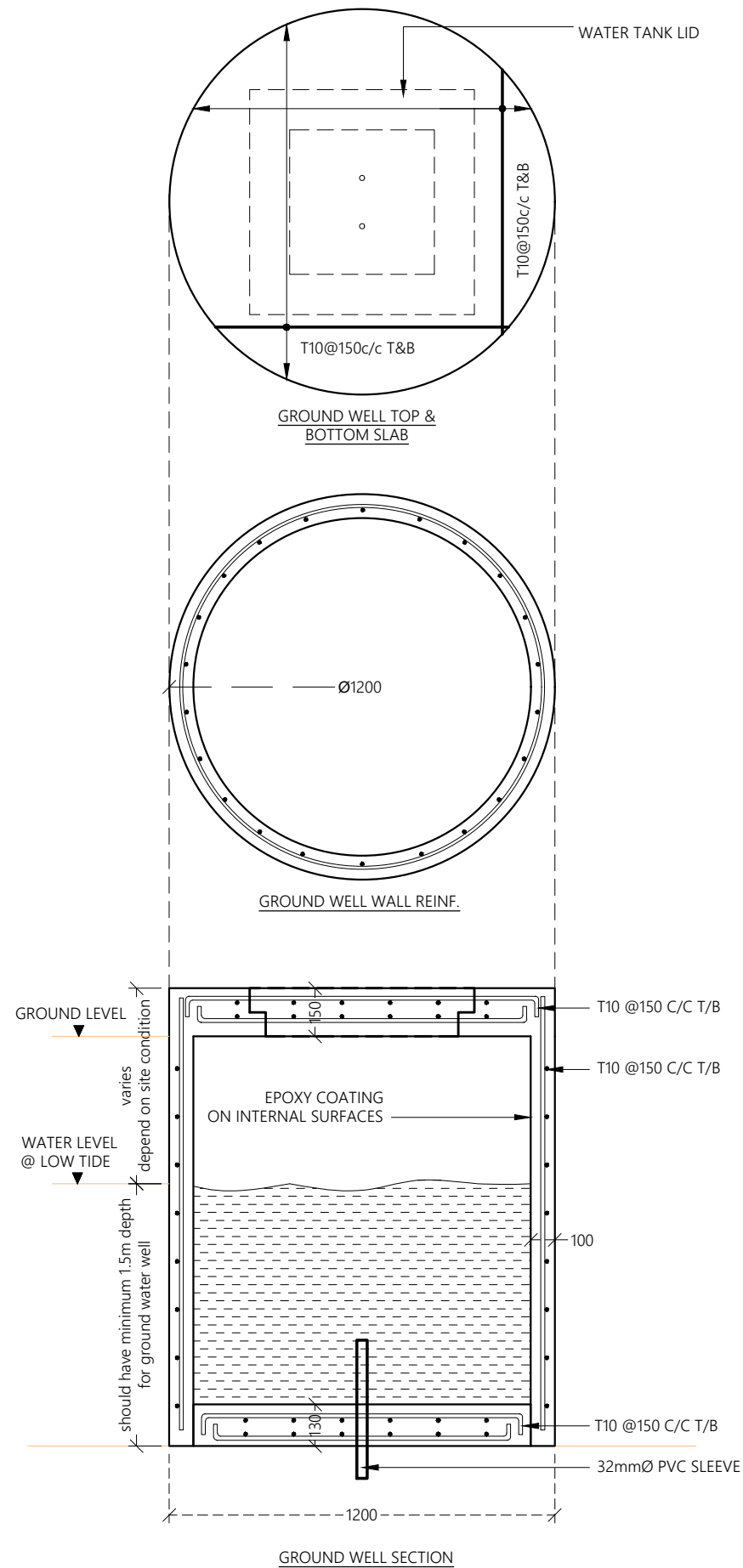
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C4



B9



GROUND WELL AND TANK LID DETAILS

GROUND WELL DETAIL

1:20

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Client:  
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October 2019

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Engineer: Adam Madeeh  
Drawn By: Mohamed Hassaan



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