

ARCHITECTURAL AND STRUCTURAL DRAWINGS OF

PROPOSED 02 STOREY BUILDING AT

Masjid Al Hudha, Gn Fuvahmulah

For Ministry of Islamic Affairs

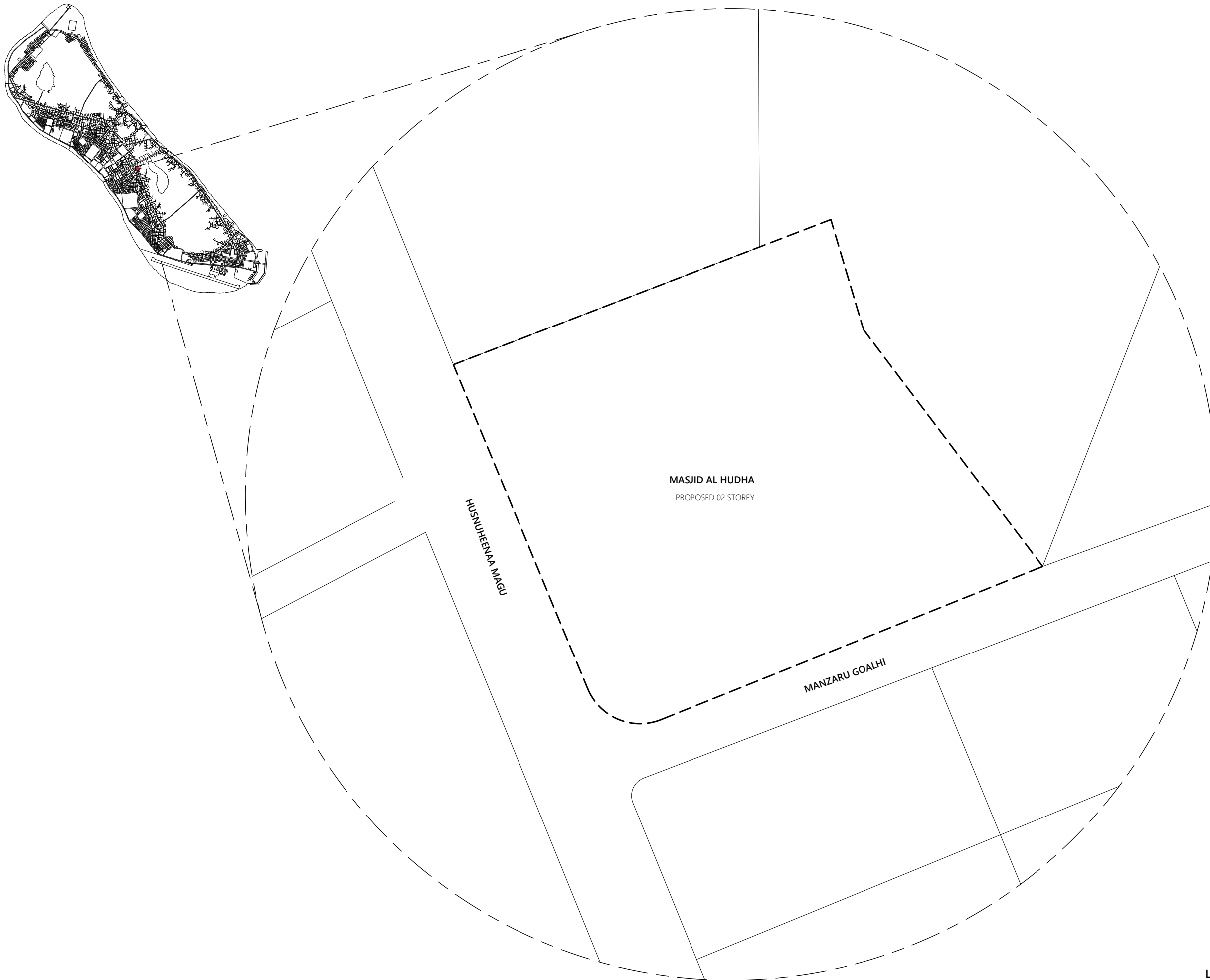
By Epoch Associates Pvt. Ltd



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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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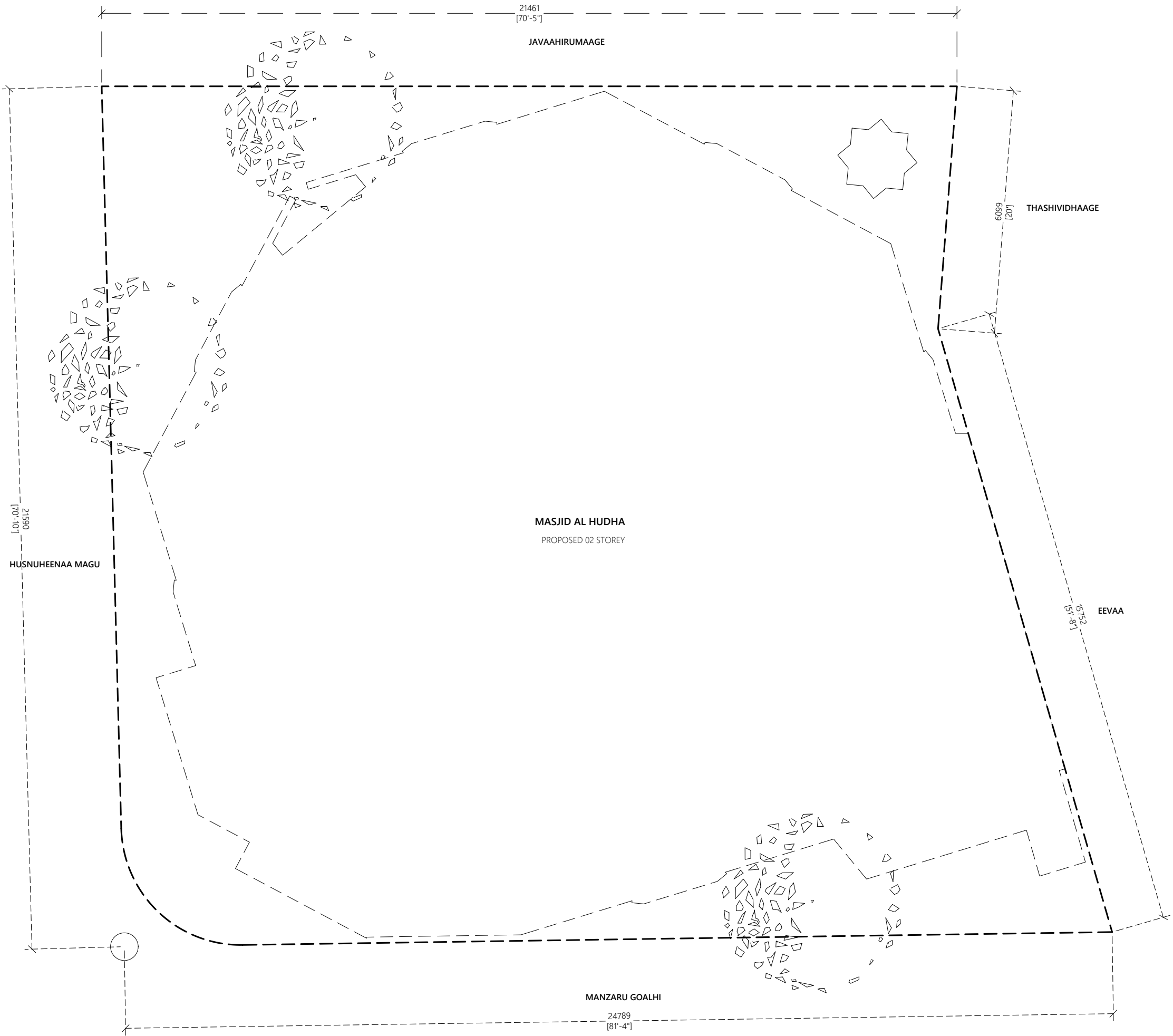
October 2019

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

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SITE PLAN
1:100

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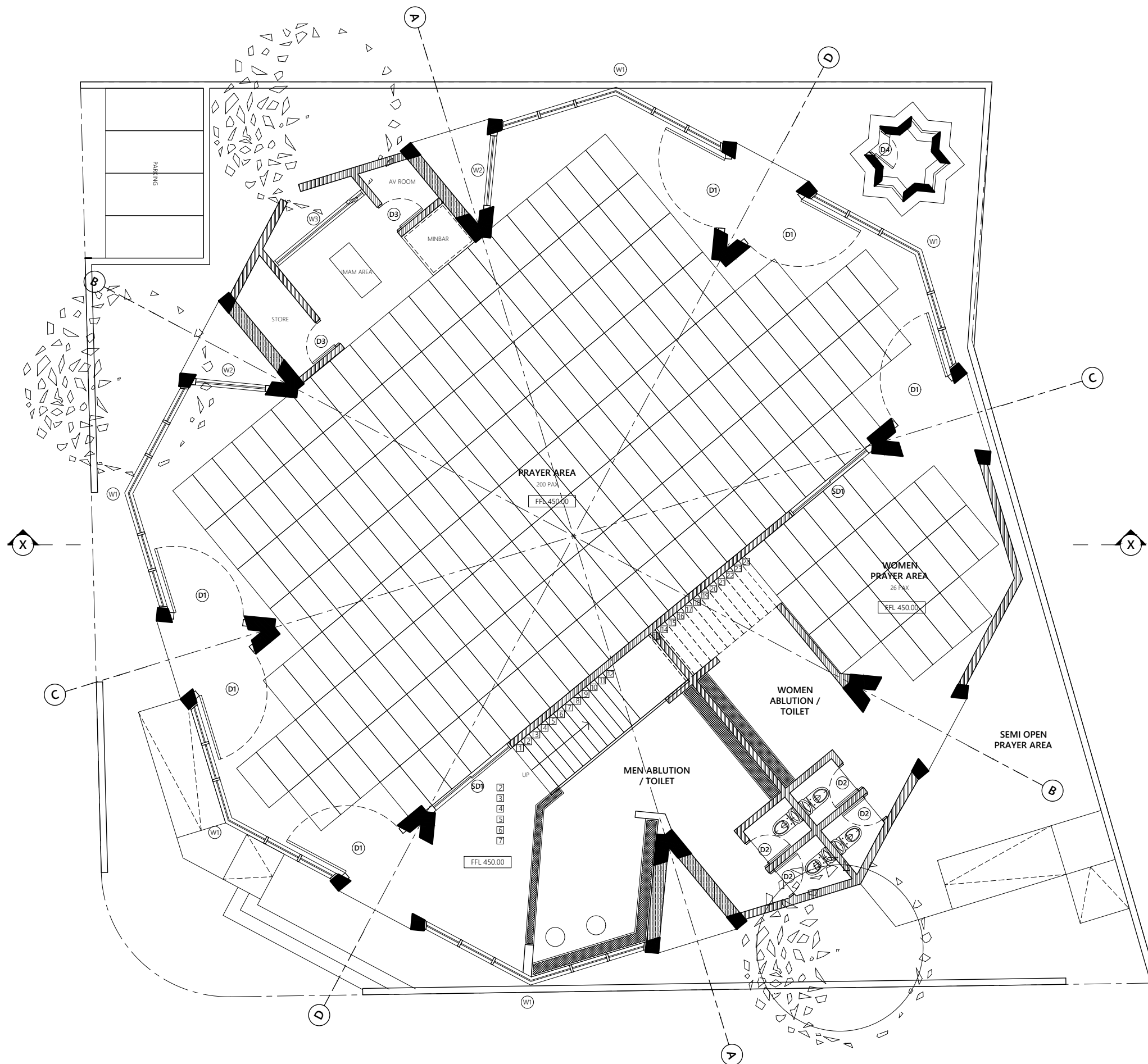
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Wall Legend:

- 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

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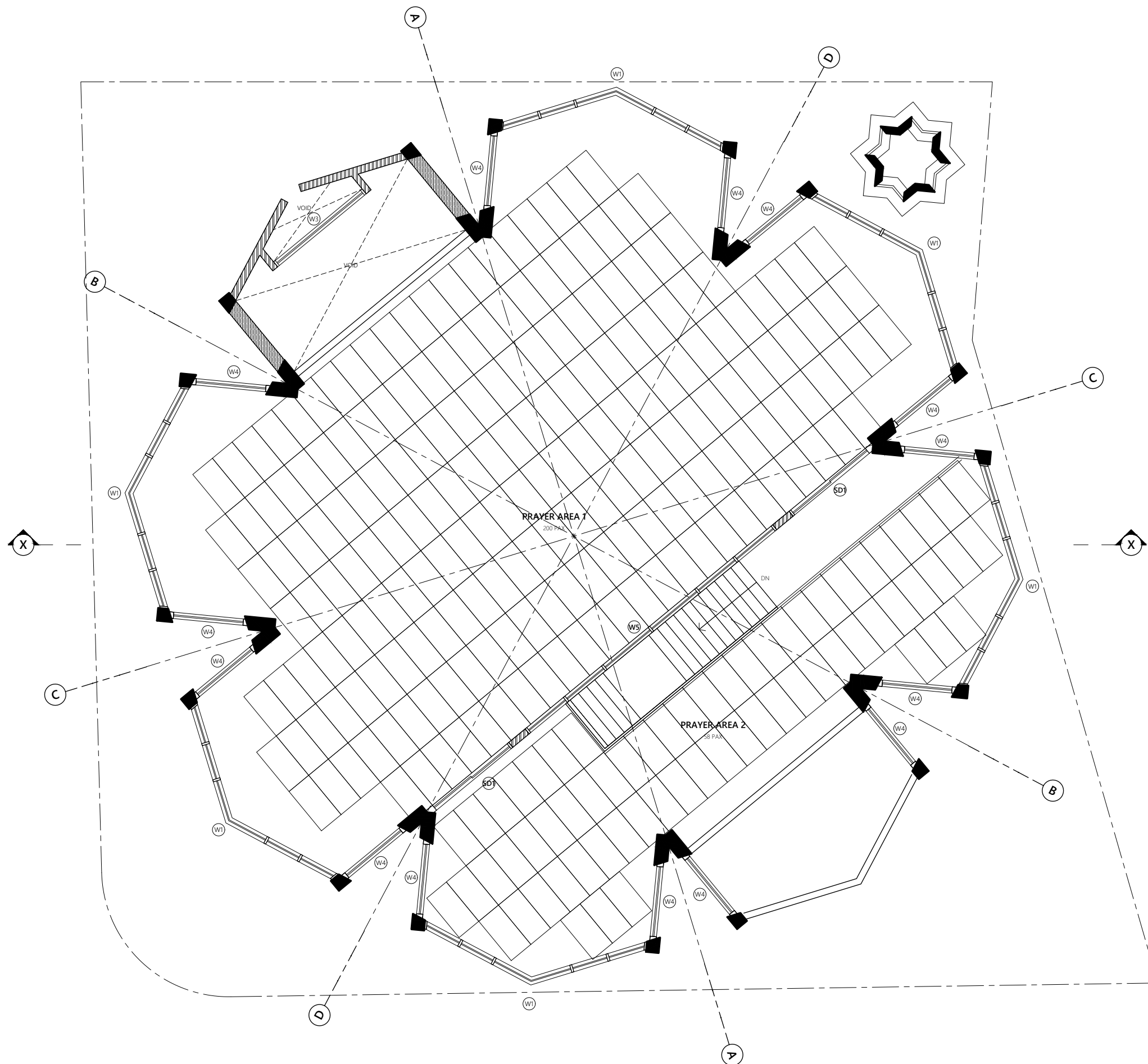
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GROUND FLOOR PLAN
1:100



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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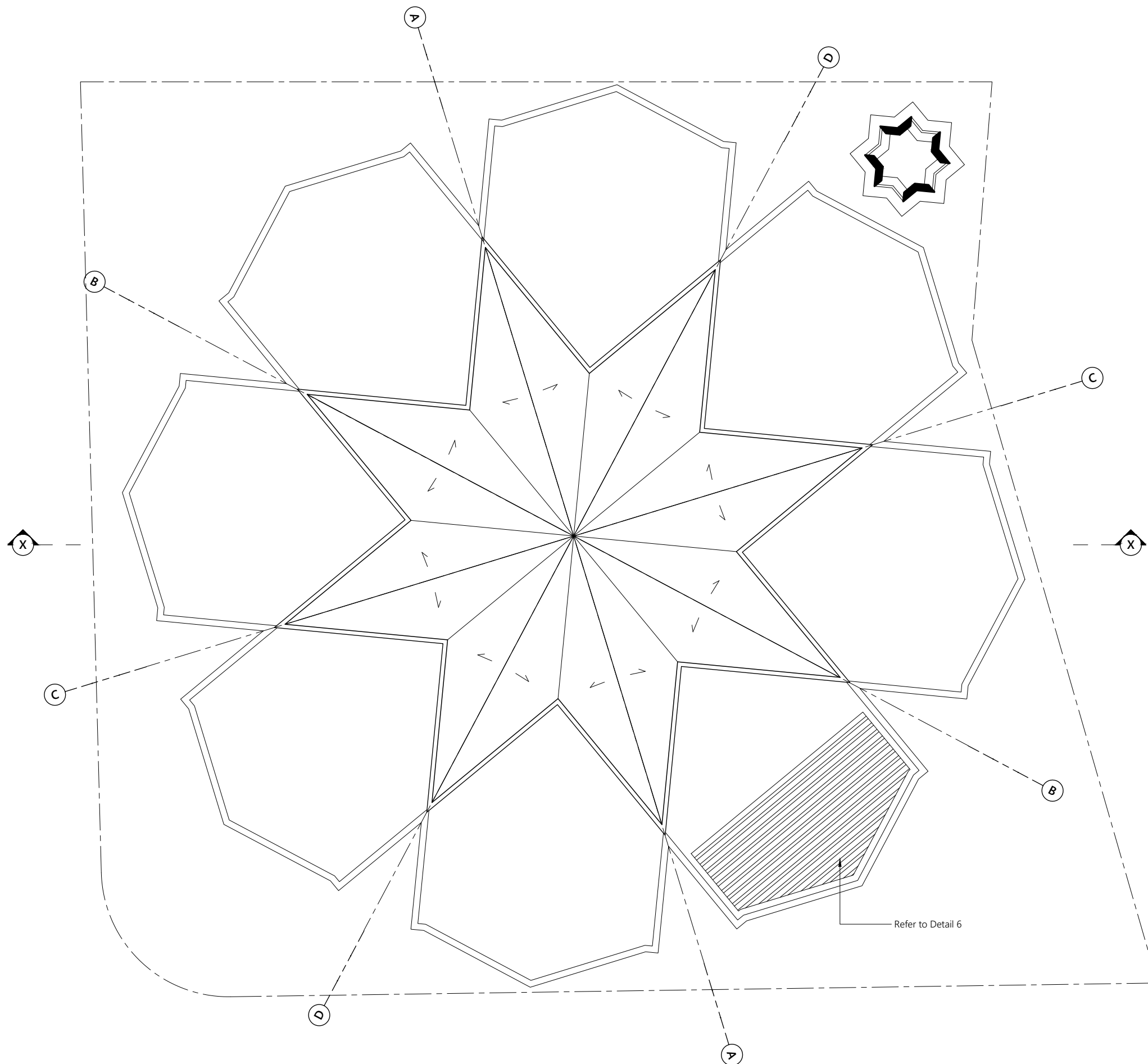


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FIRST FLOOR PLAN

1:100




ROOF PLAN
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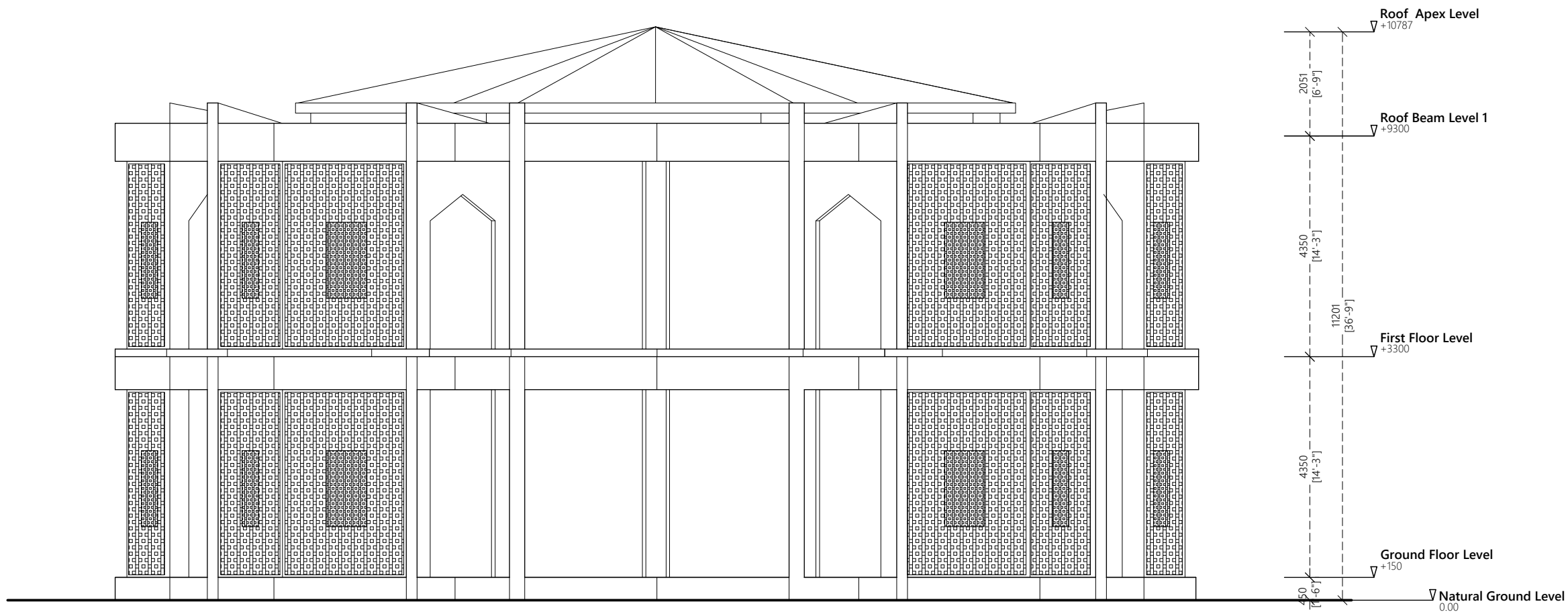
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---	A.2 (3)



ELEVATION E1
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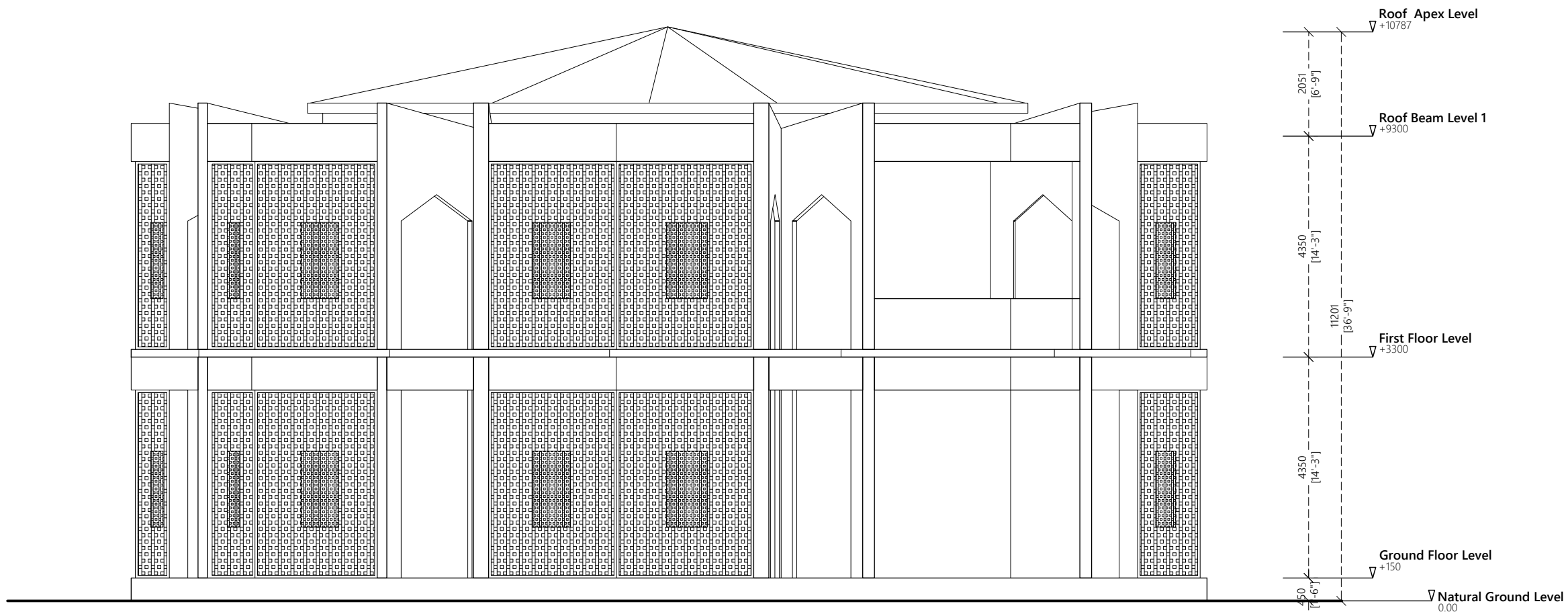
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---	A.3 (1)



ELEVATION E2
1:100

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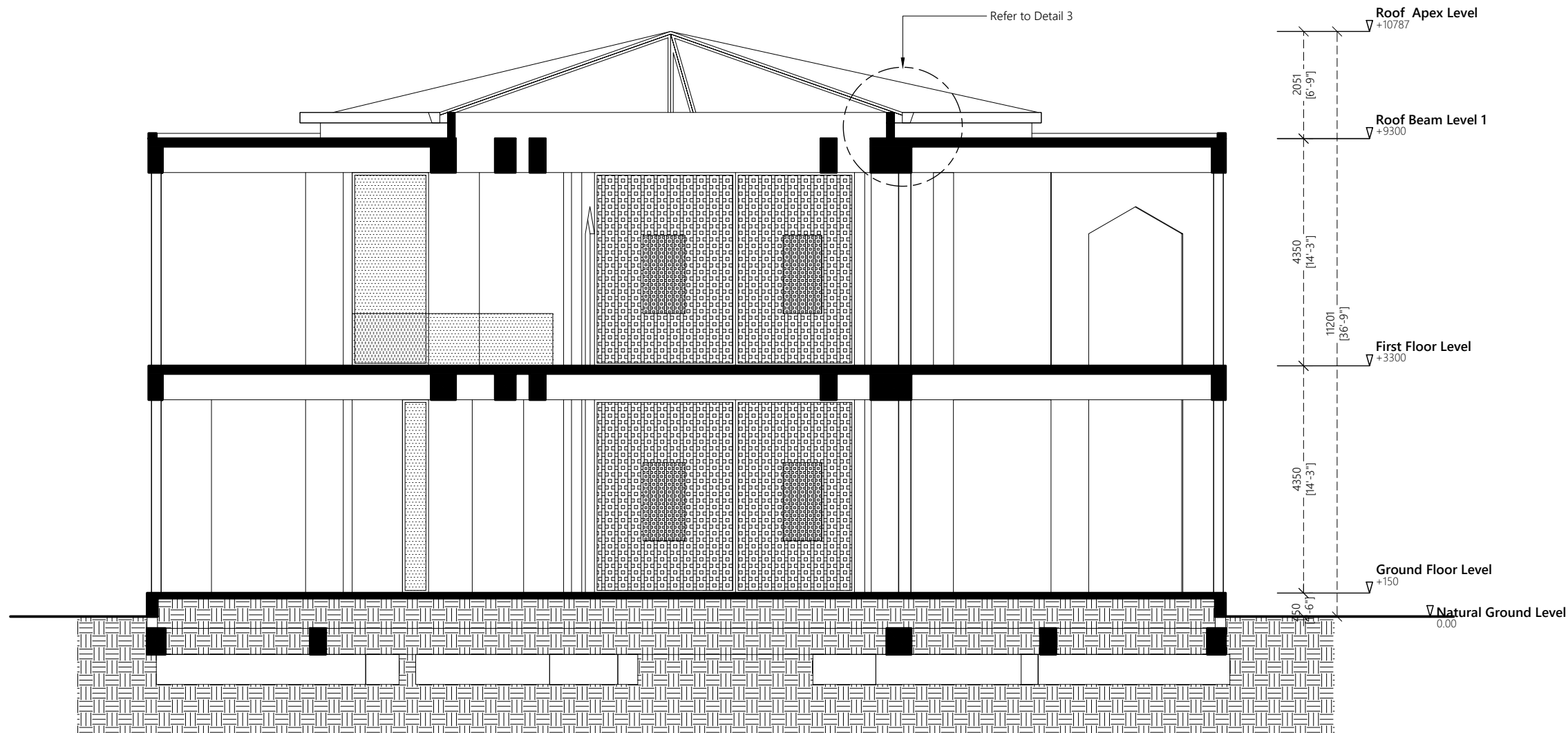
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SECTION X-X
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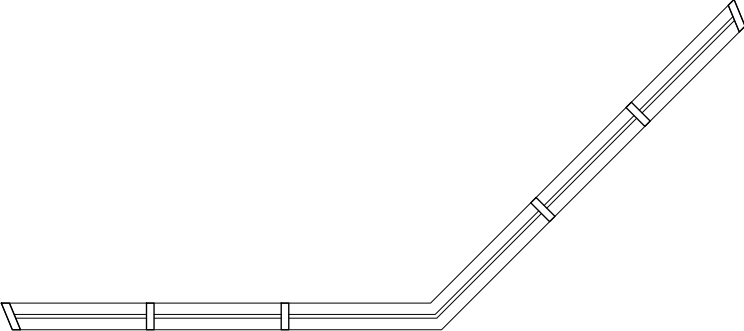

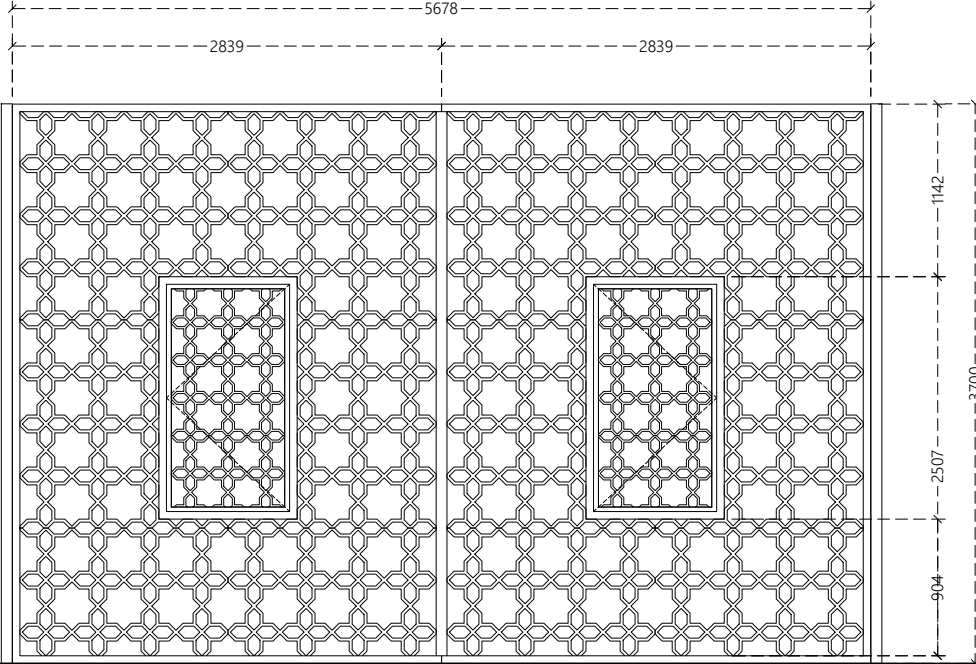
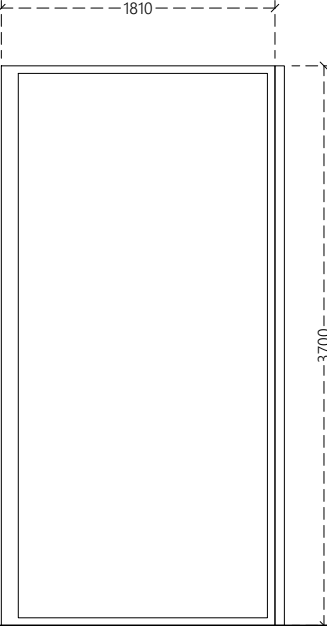
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Door ID	W1	W2
Plan view		
Elevation view		
FFL		
Frame material	Solid timber varnished	Solid timber varnished
Panel material	Solid core timber varnished with clear glass panels	Solid core timber varnished with clear glass panels
Openable area	2.95 Sqm	0 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



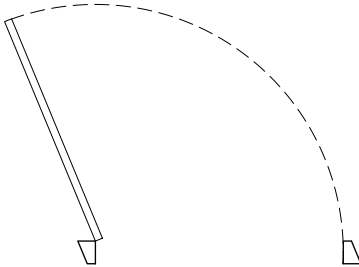
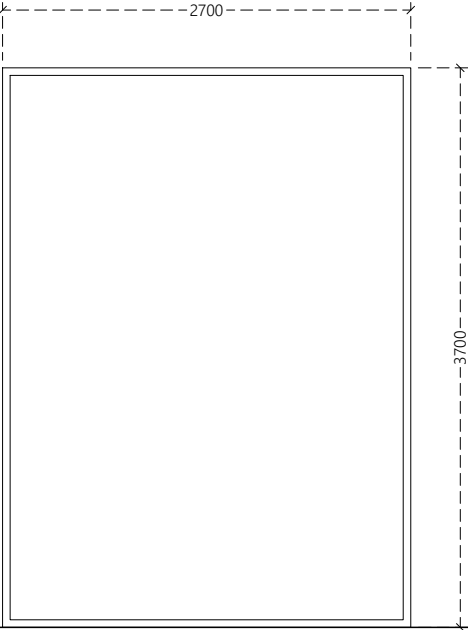
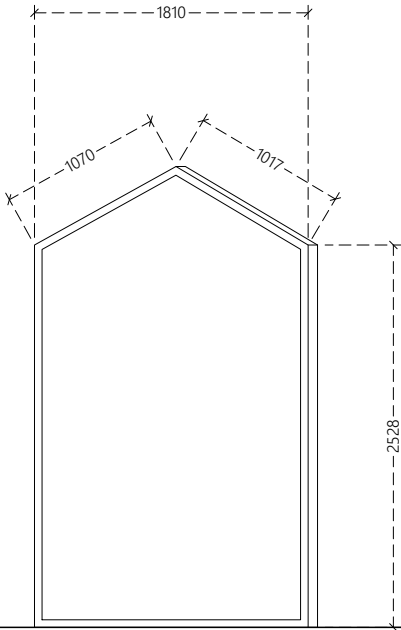
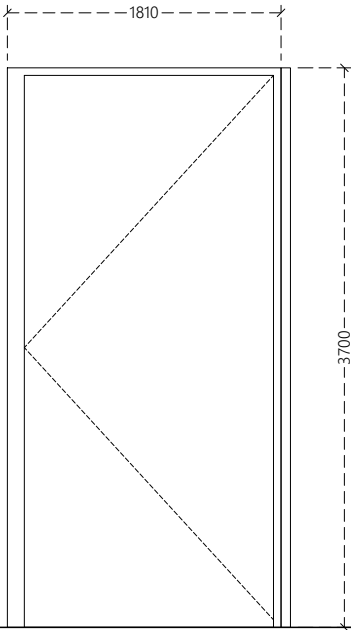
All external frames / wall joints must be sealed with silicon sealant and the wedges trimmed with 12X12mm hardwood beading fixed to frames by brass nails

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	D1
Plan view			
Elevation view			
Frame material	Solid timber varnished	Solid timber varnished	Solid timber varnished
Panel material	Solid core timber varnished with clear glass panels	Solid core timber varnished with clear glass panels	Solid core timber varnished with clear glass panels
Openable area	0 Sqm	0 Sqm	6.01 Sqm

General Notes:

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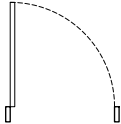
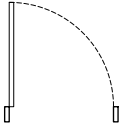
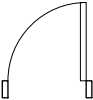
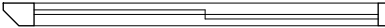
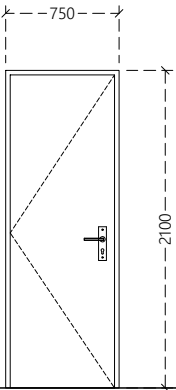
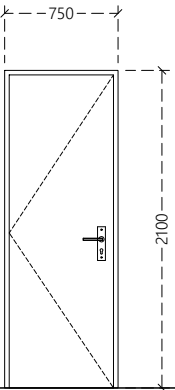
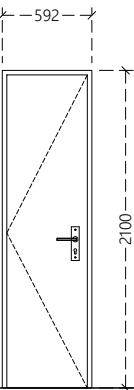
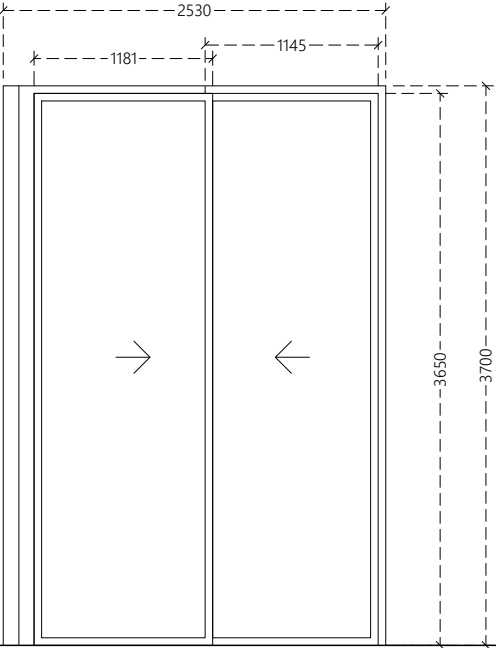
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2. Door size less than 700X1900mm
WD: 100mm X2 sets
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets

Door knobs shall be1000mm above FFL

D2	D3	D4	SD1
			
			
Solid timber Varnished	Solid timber Varnished	Solid timber Varnished	Solid timber varnished
Solid core timber varnished	Solid core timber varnished	Solid core timber varnished	Solid core timber varnished with clear glass panels
1.43	1.43	1.10	4.31 Sqm

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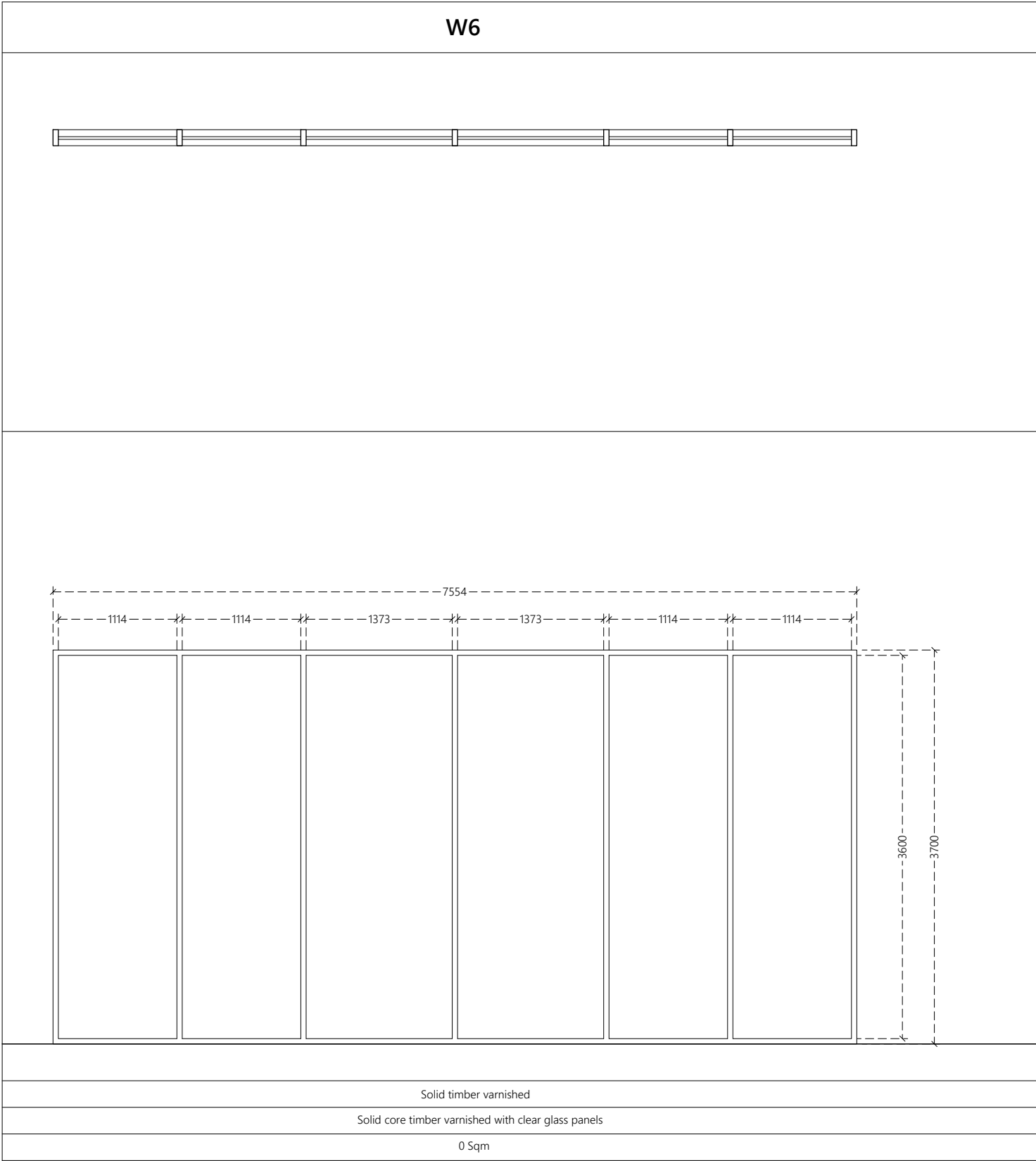
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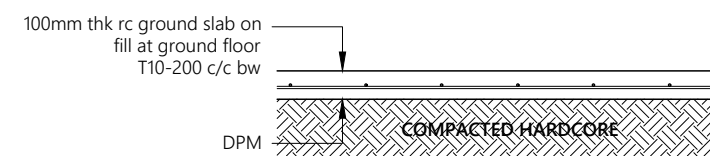


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A.5 (4)

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			

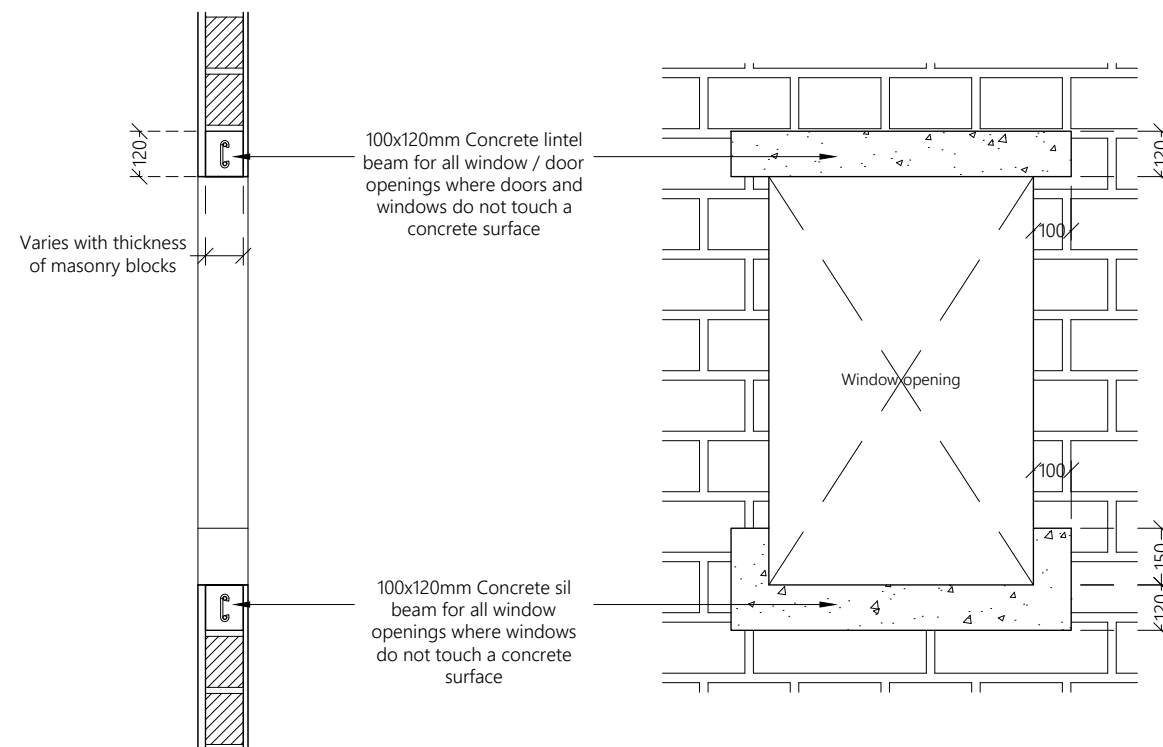


Note:

- 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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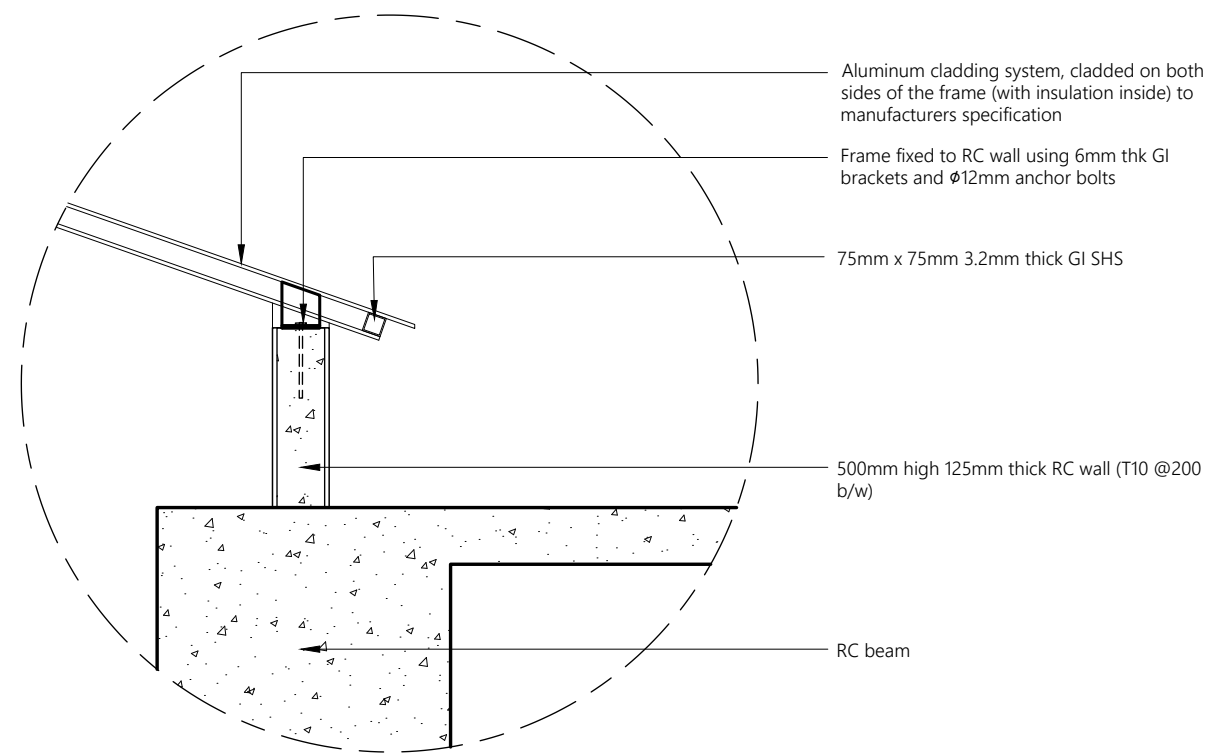
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TYPICAL ROOF DETAIL

1:20

DETAIL 3
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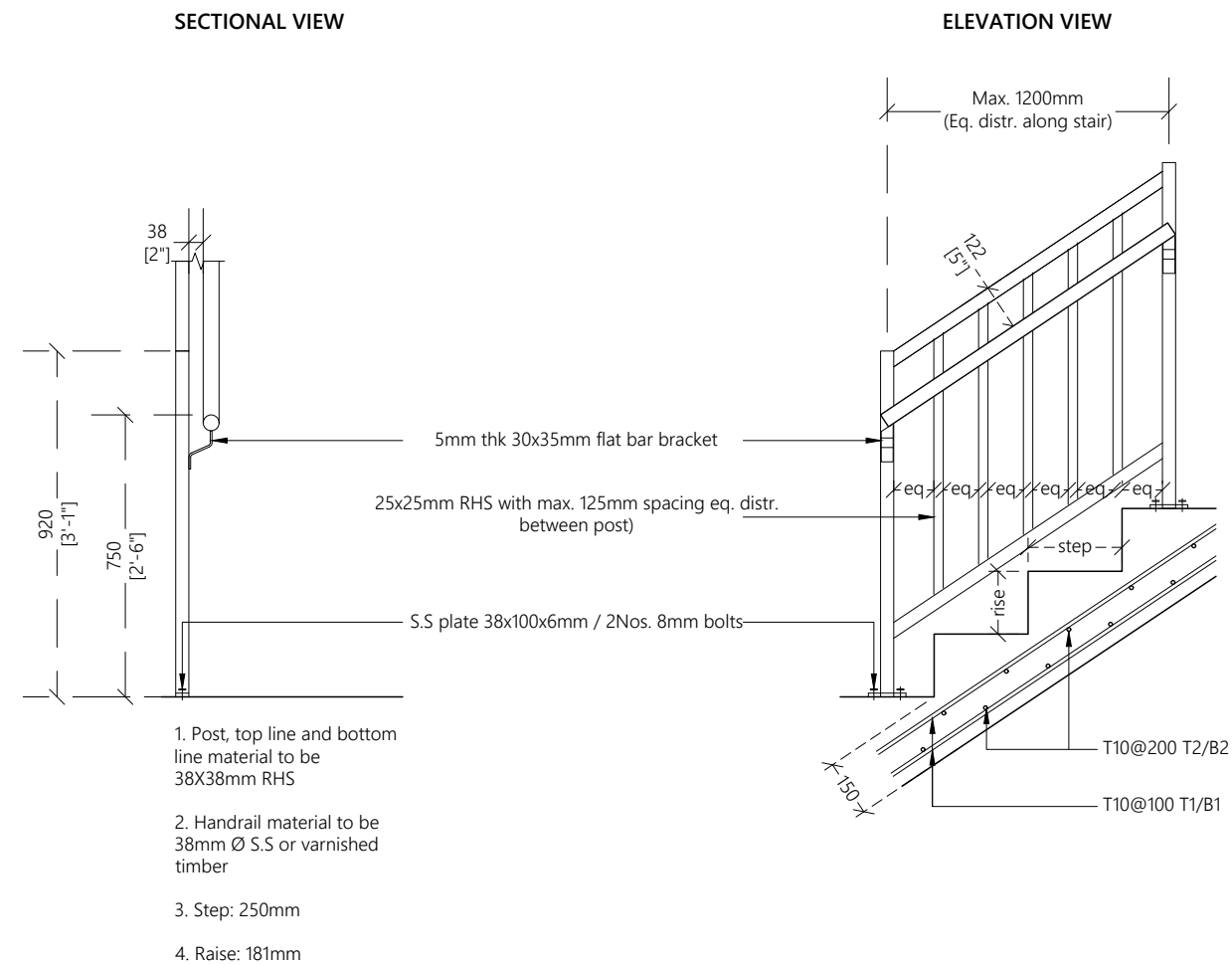
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A.D (3)



STAIR DETAIL

1:20

DETAIL 4

1:20

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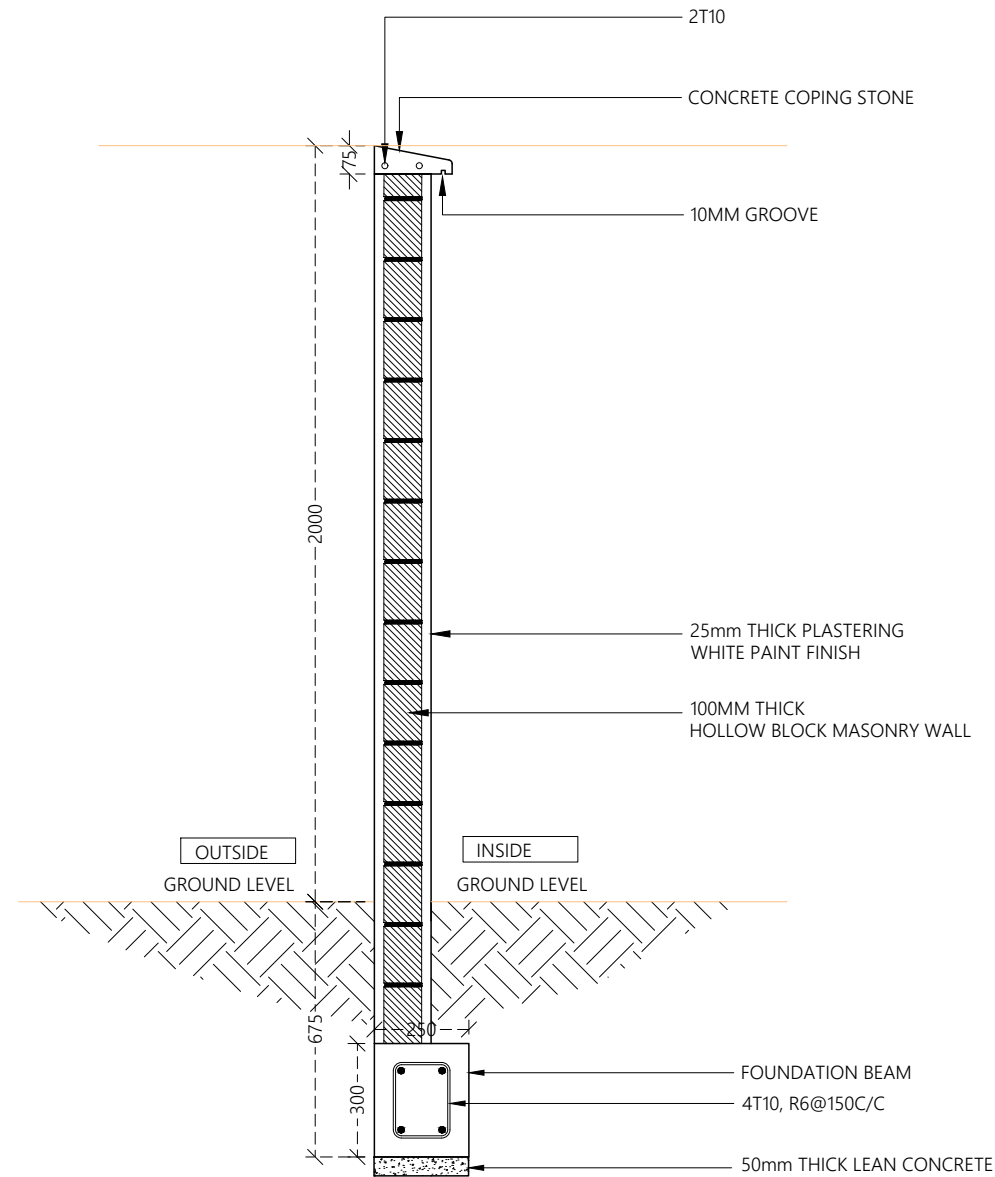
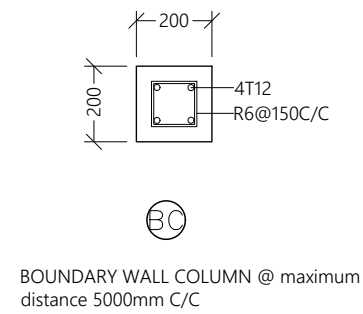
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BOUNDARY WALL DETAIL

1:20

DETAIL 5
1:20

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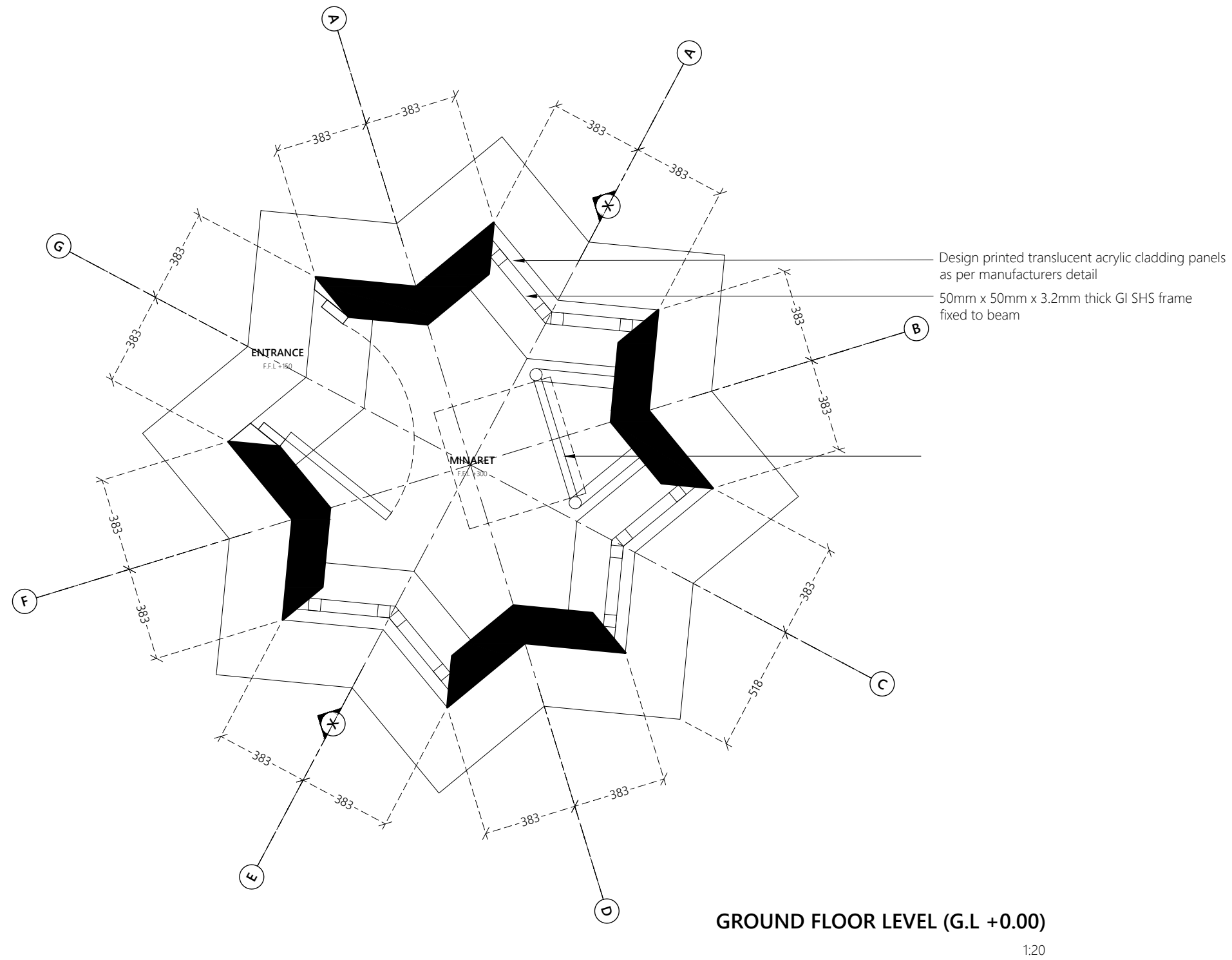
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A.D (5)





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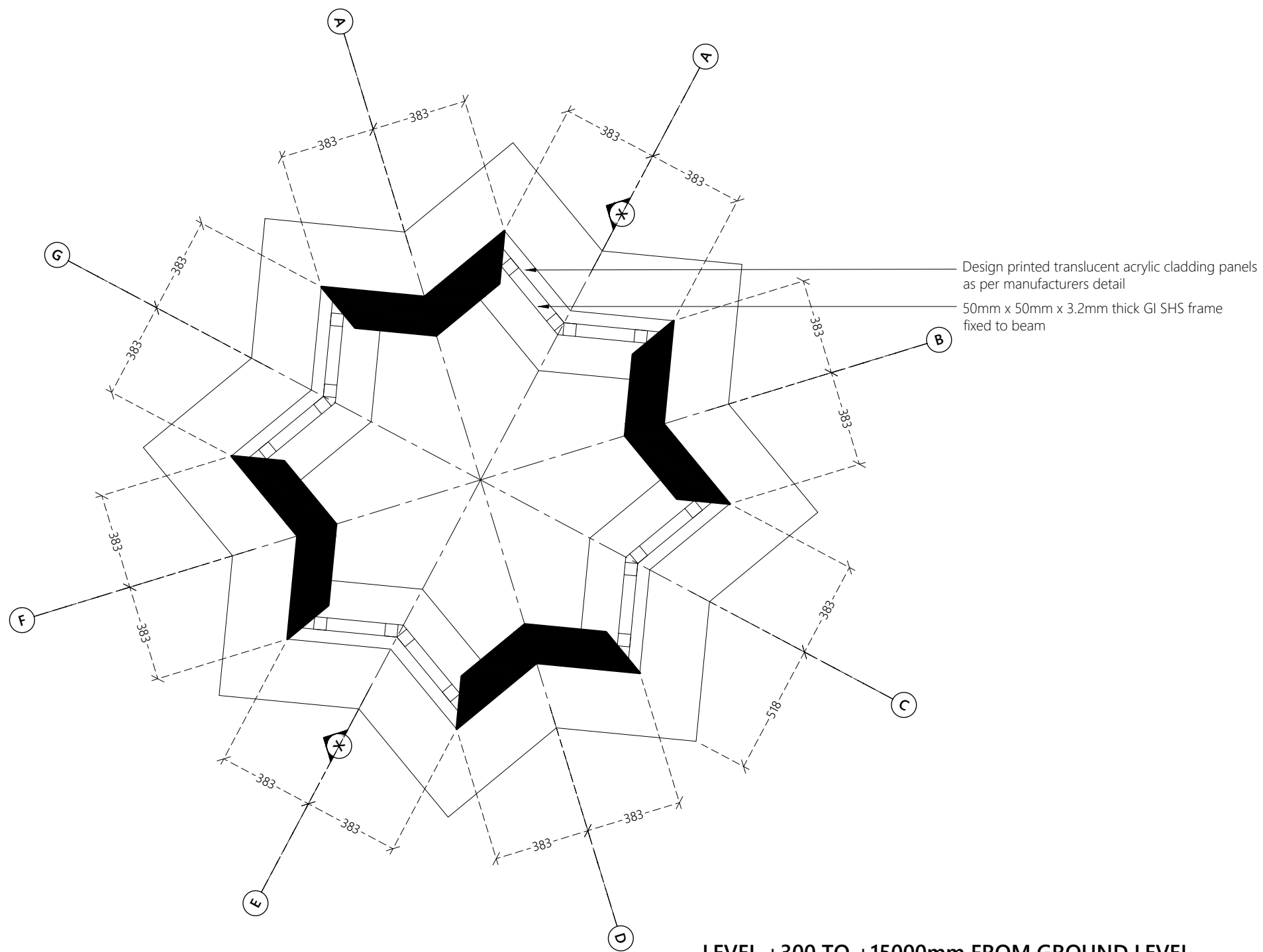
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DETAIL 7
1:20



LEVEL +300 TO +15000mm FROM GROUND LEVEL
1:20


DETAIL 7A
1:20

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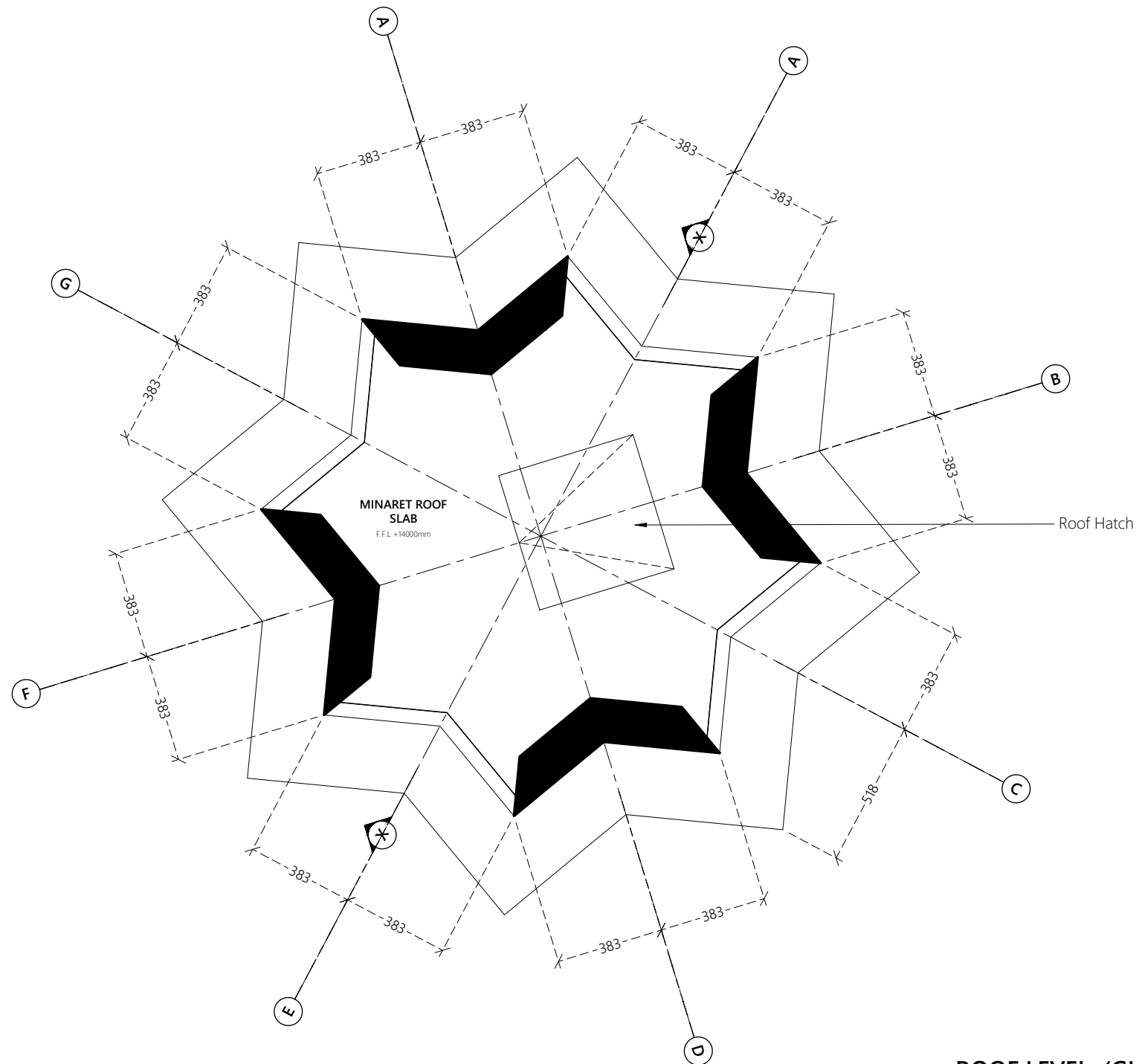
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ROOF LEVEL (GL +14000mm)
1:20

DETAIL 7B
1:20

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October 2019

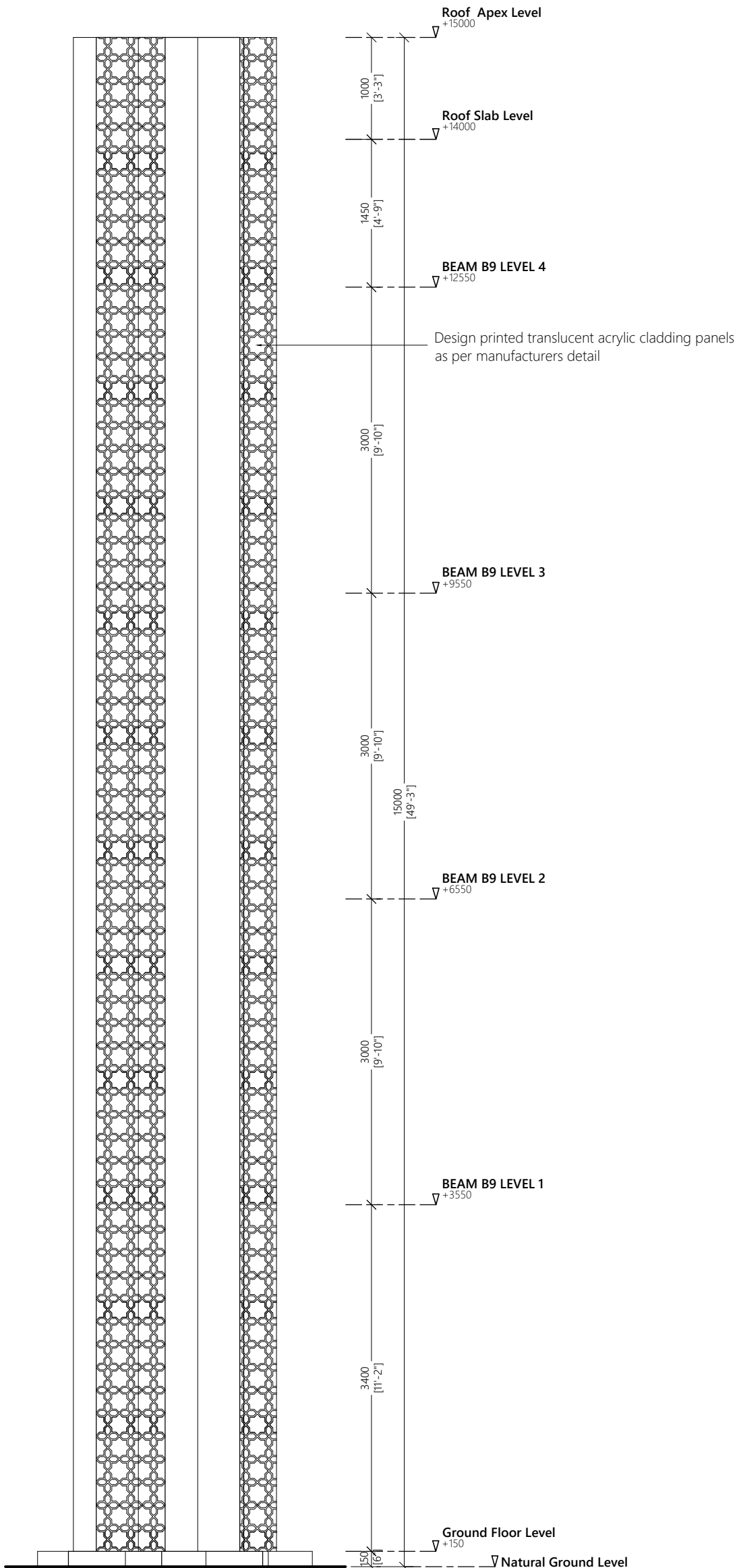
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Drawn By: Mohamed Hassaan



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A.D (7B)



MINARET ELEVATION E1

1:50

DETAIL 7D

1:20


PROPOSED 02 STOREY BUILDING AT

Masjid Al Hudha,
Gn. Fuvahmulah

Client:
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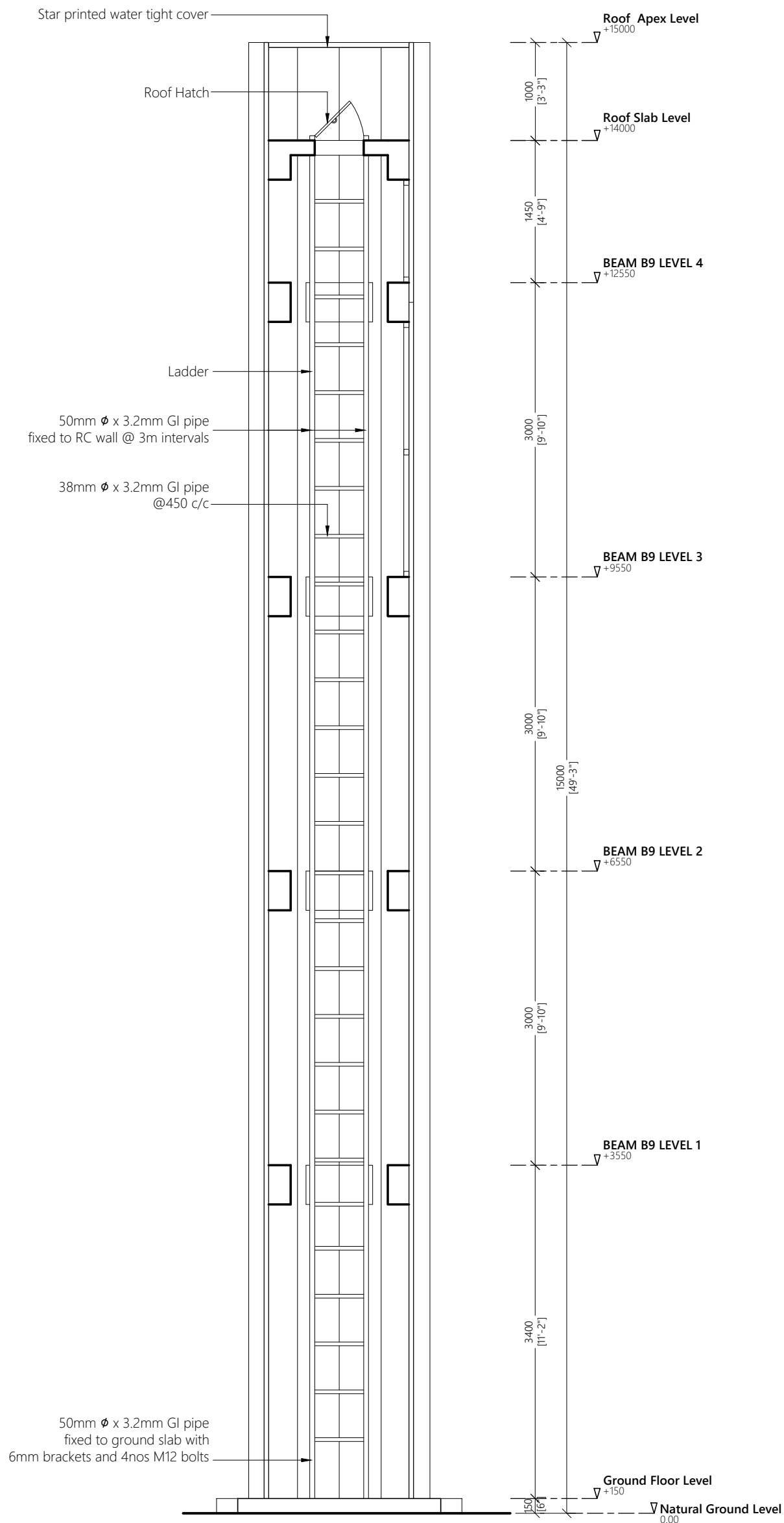
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DETAIL 7C

1:20

PROPOSED 02 STOREY BUILDING AT
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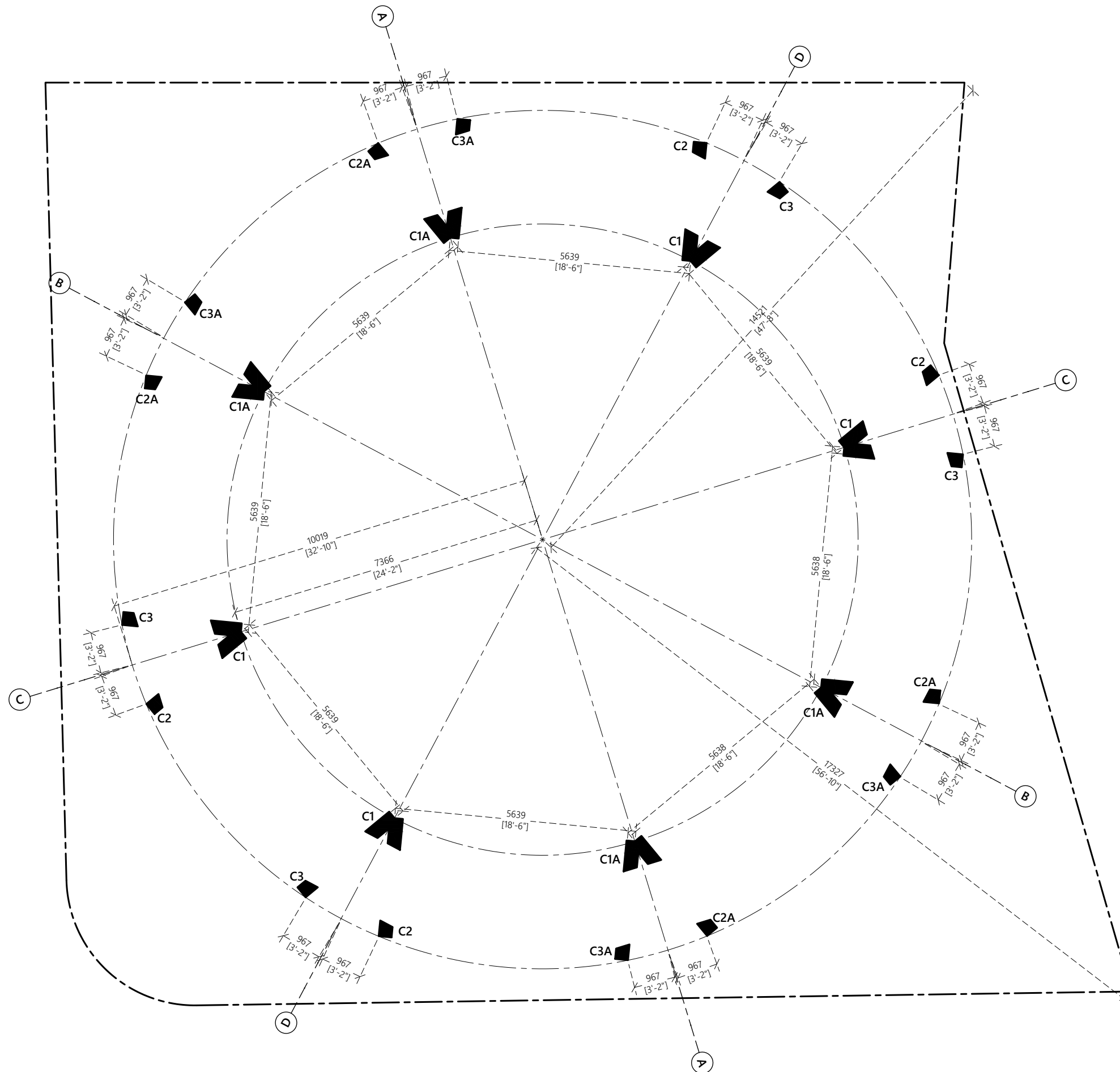
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COLUMN SETTING OUT PLAN
1:100

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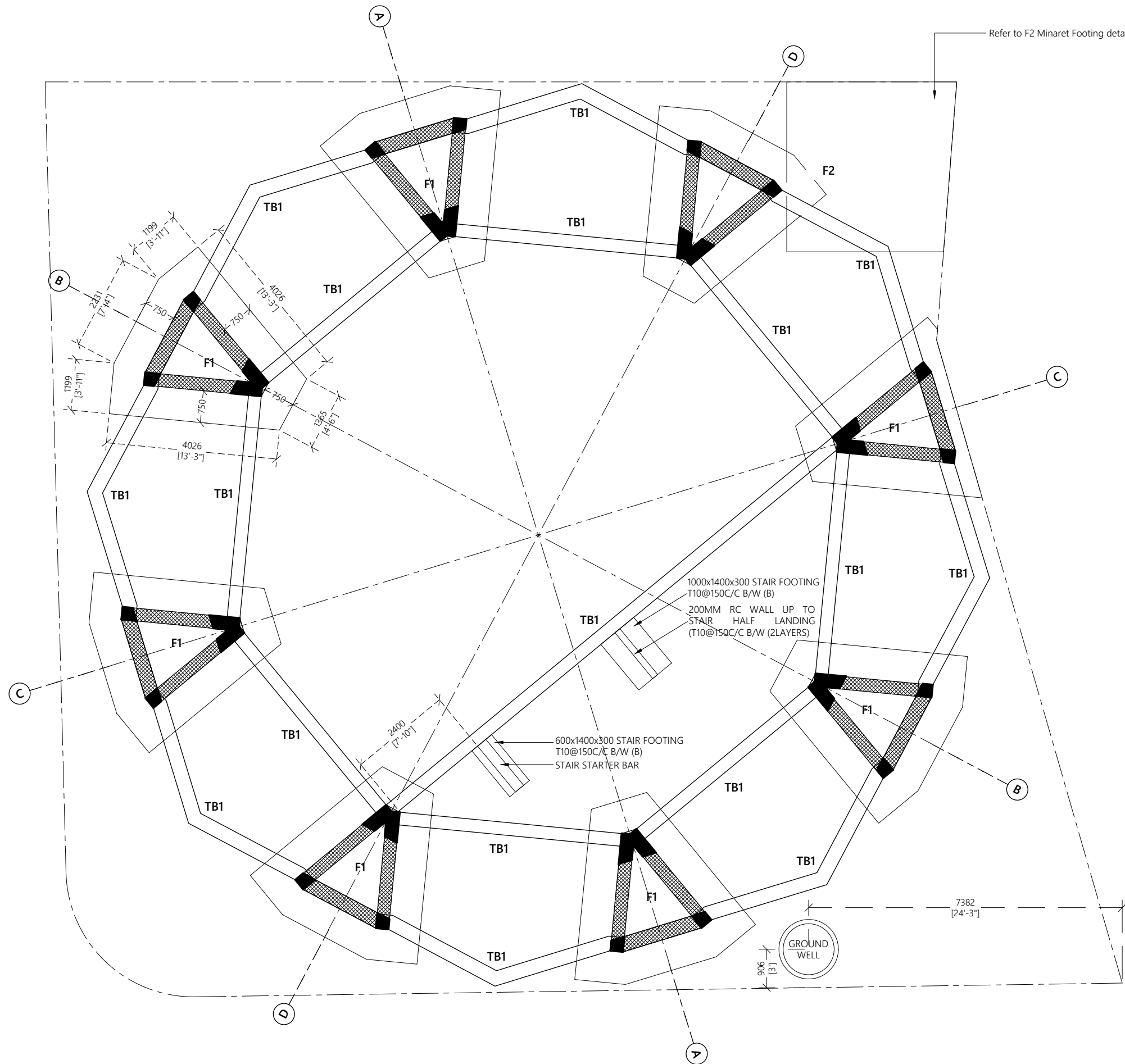
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- FOUNDATION DEPTH - 1300mm
- FOOTING F1 = 575mm thick footing reinforced with T16@75C/C B/W T&B

FOUNDATION PLAN
1:100

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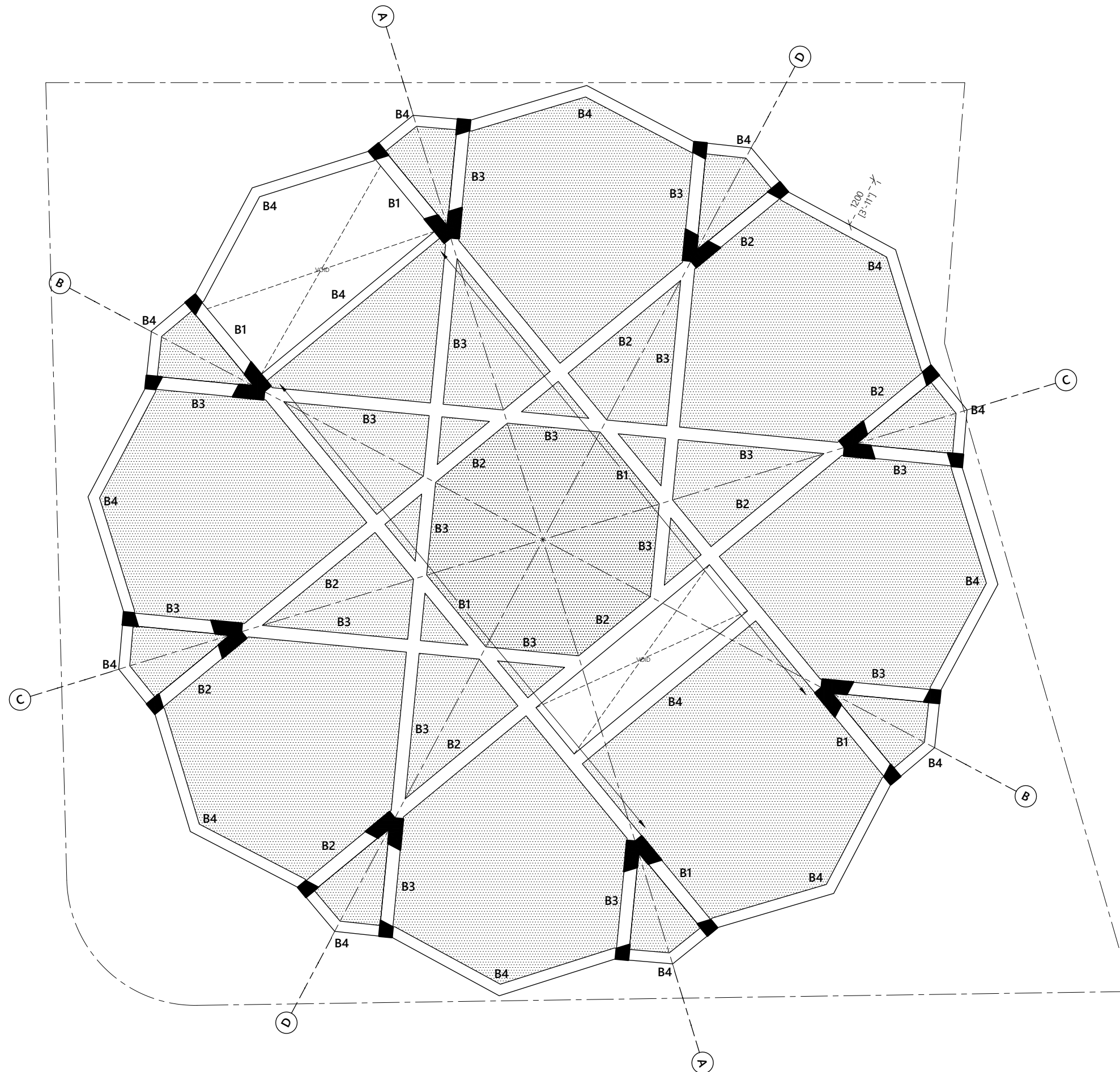
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FIRST FLOOR BEAM LAYOUT
1:100

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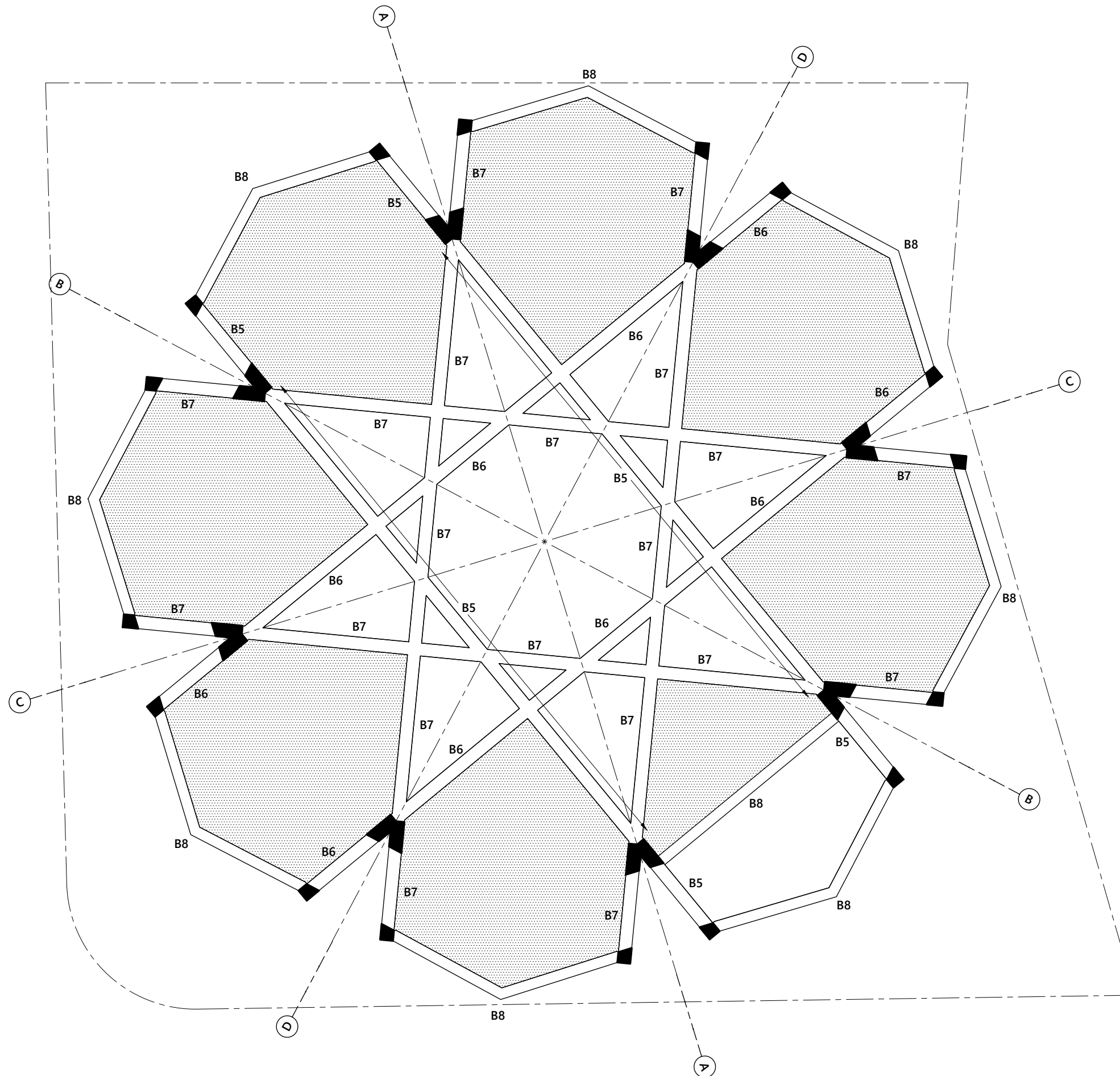
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ROOF BEAM LAYOUT
1:100

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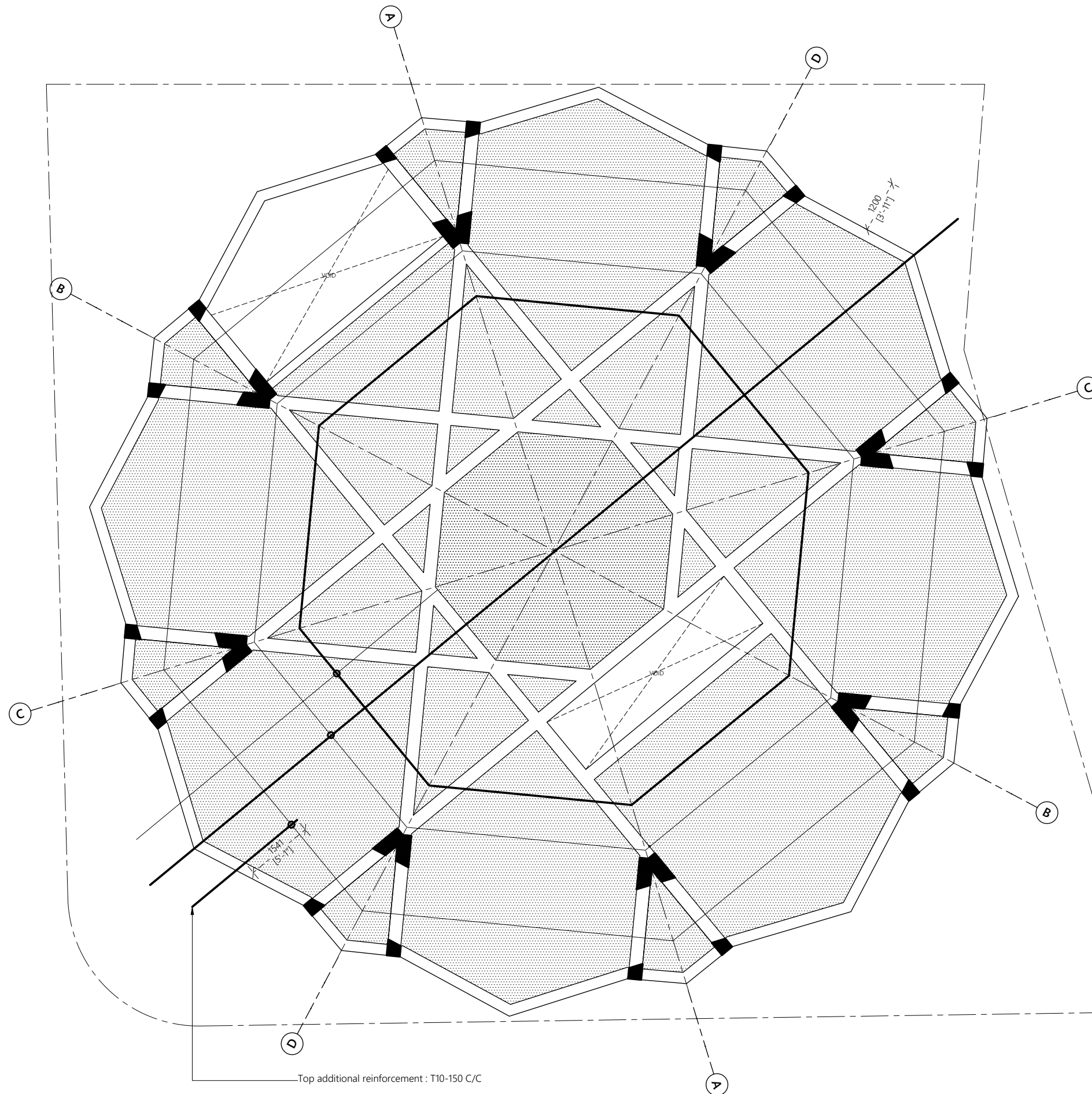
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NOTE:

- 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

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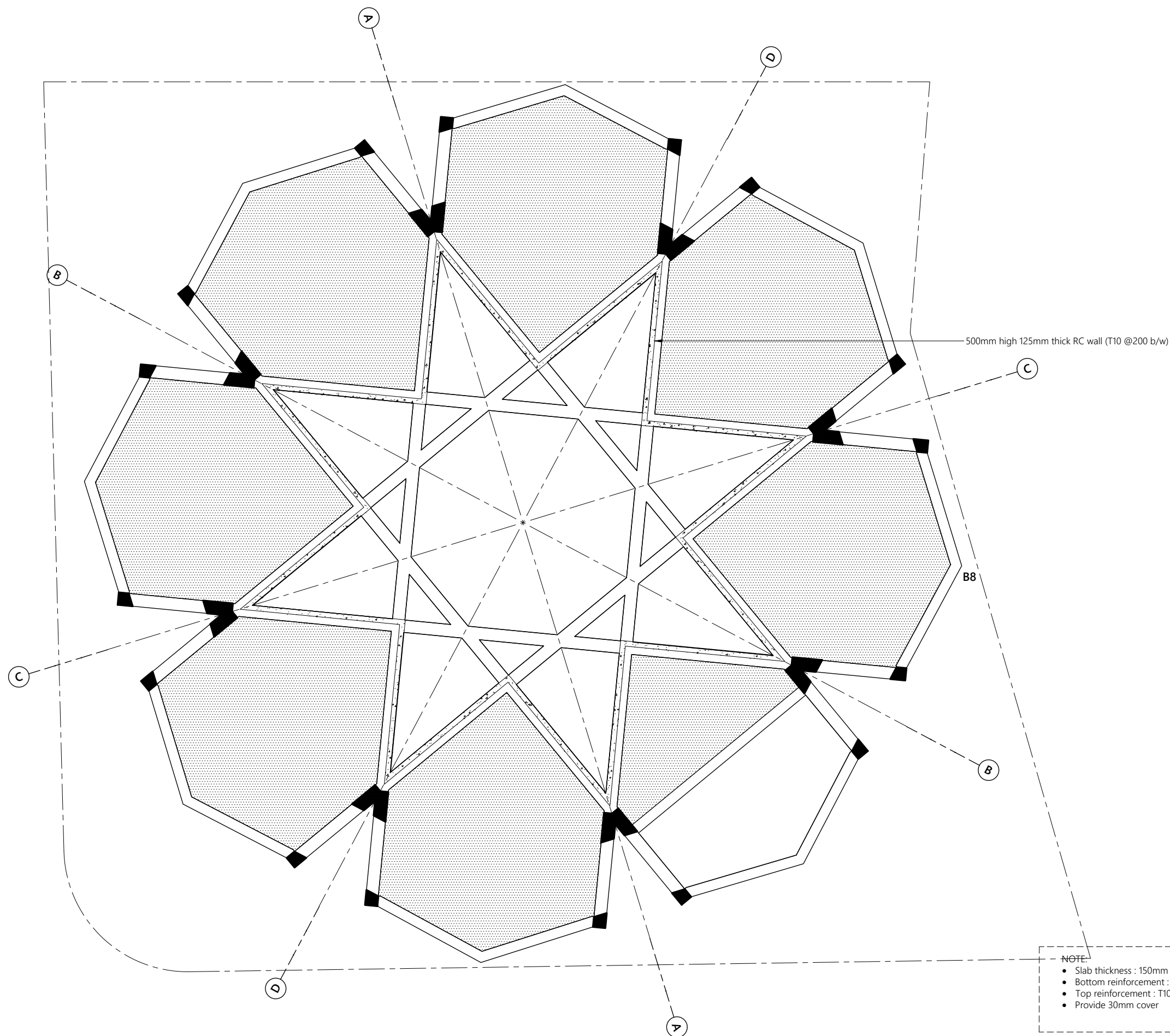
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ROOF SLAB LAYOUT
1:100

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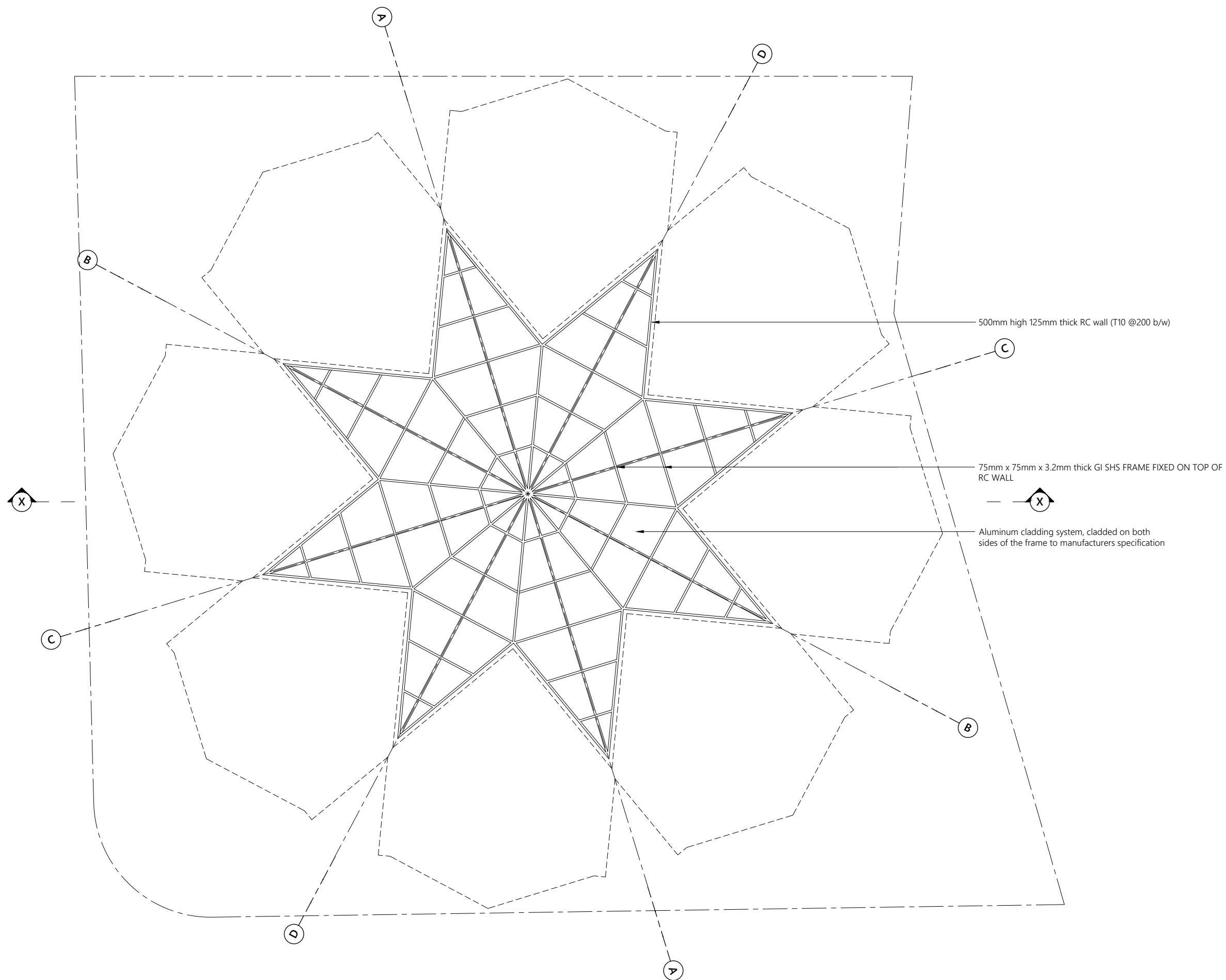
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---	S.3 (2)
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ROOF FRAMING LAYOUT
1:100

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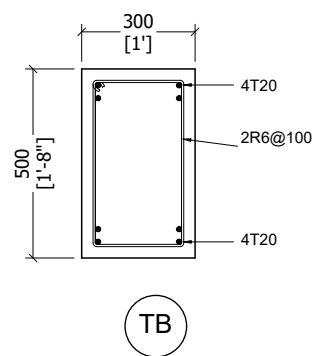
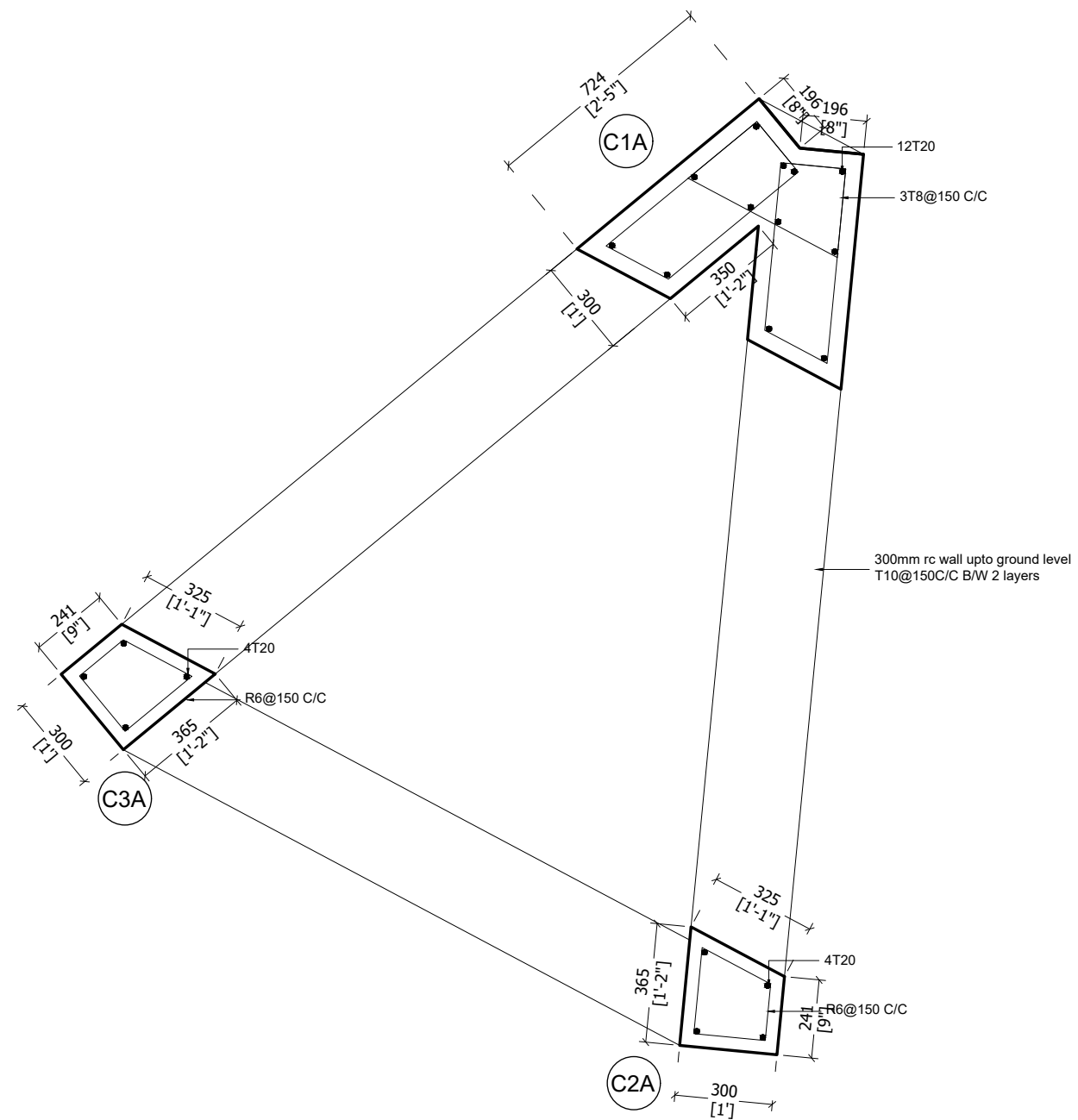
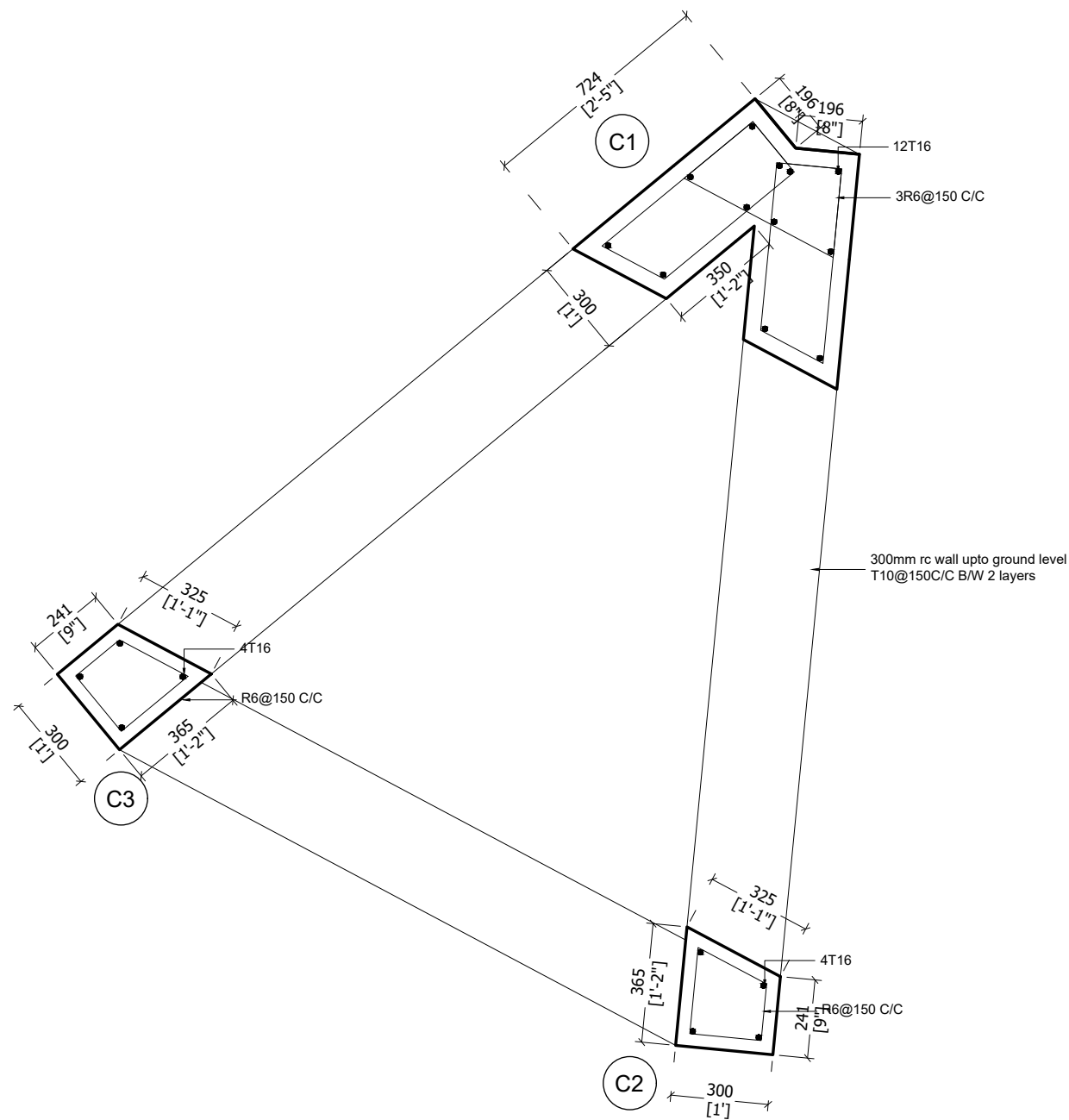
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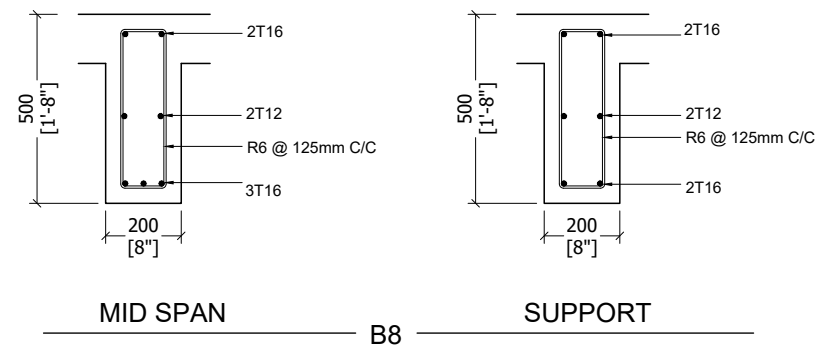
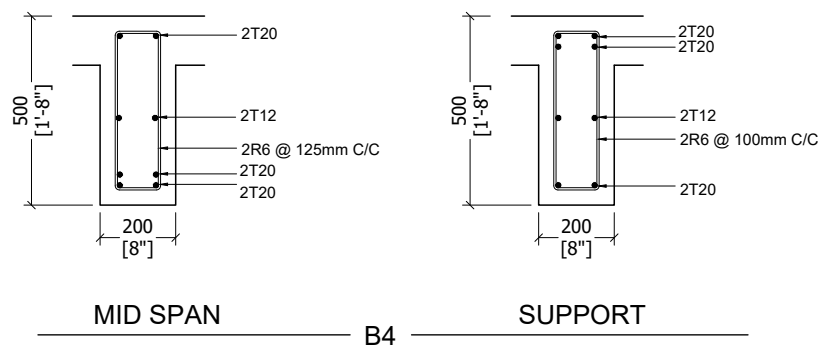
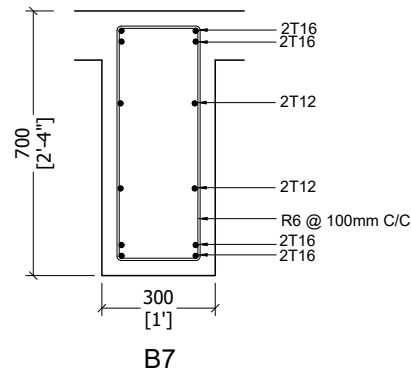
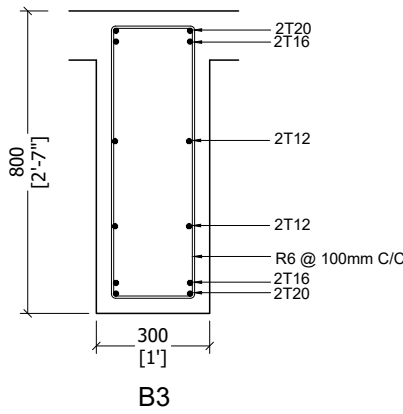
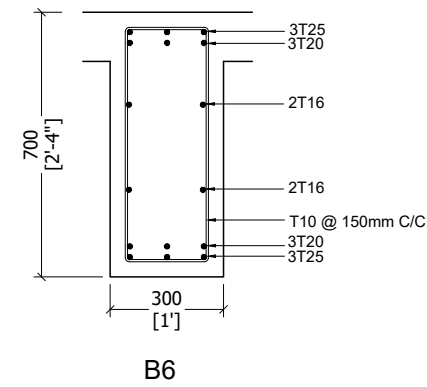
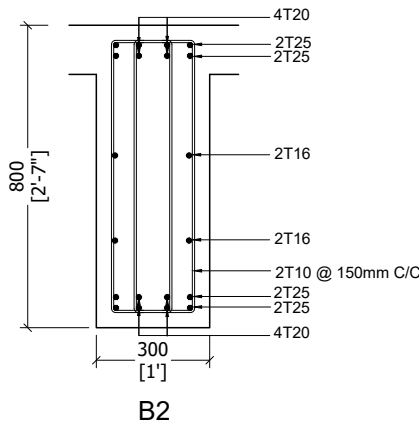
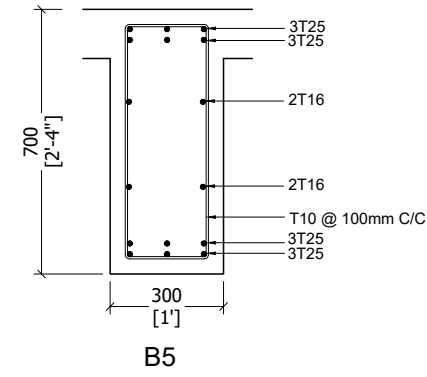
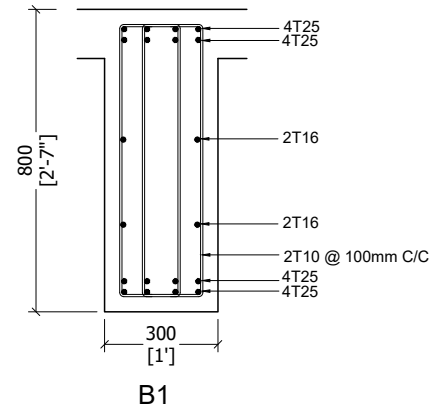
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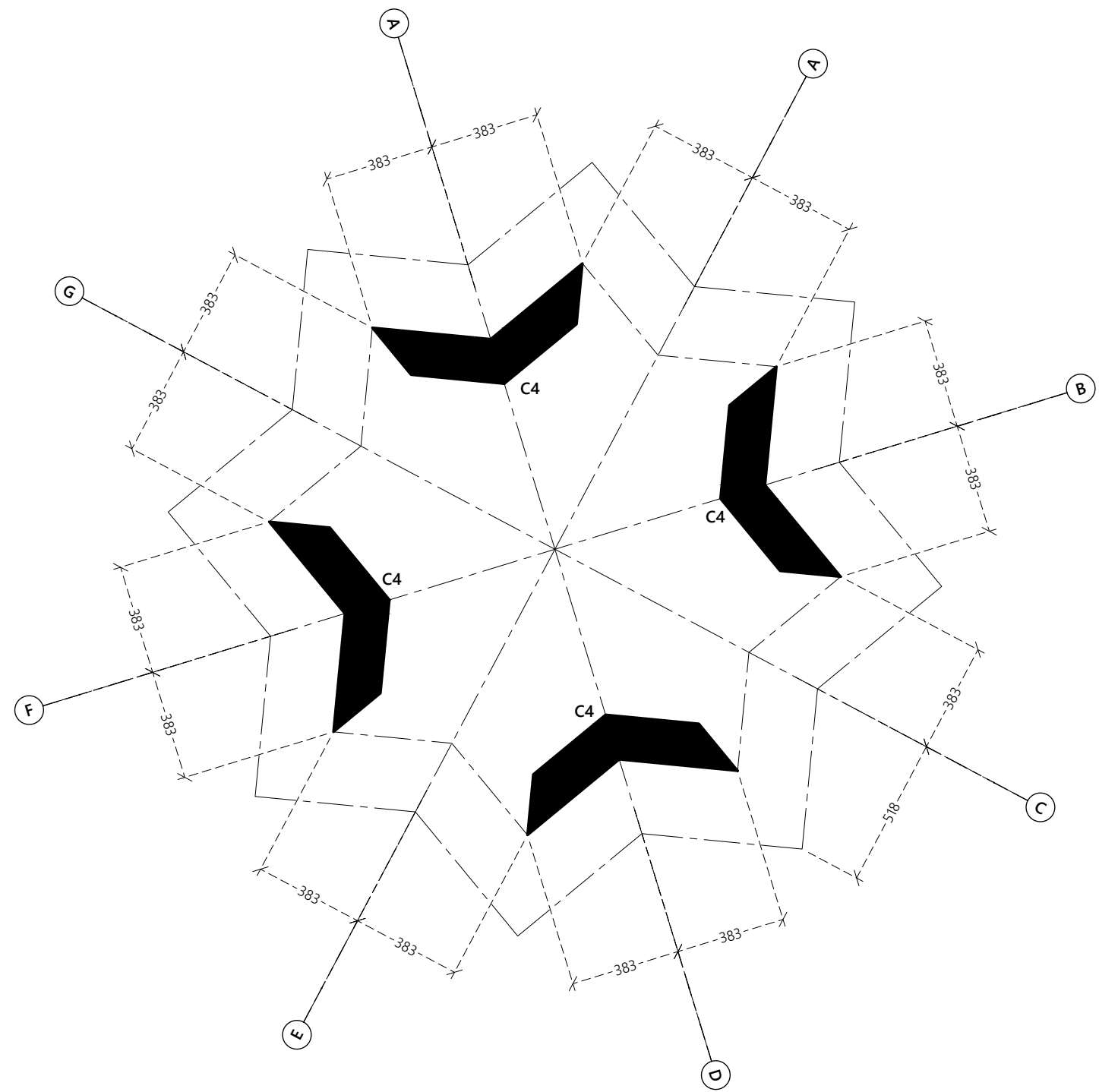
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Note:
 cover to foundation = 50mm
 cover to floor slabs = 30mm
 cover to floor beams = 35mm
 cover to columns = 40mm
 laps = 45 dia (dia = bar diameter)
 mid bars = 0.85 x span
 sup bars = 1/3 x span
 concrete mix = 1:2:3 (C:S:A)
 lean concrete mix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





MINARET COLUMN SETTING OUT PLAN

1:20

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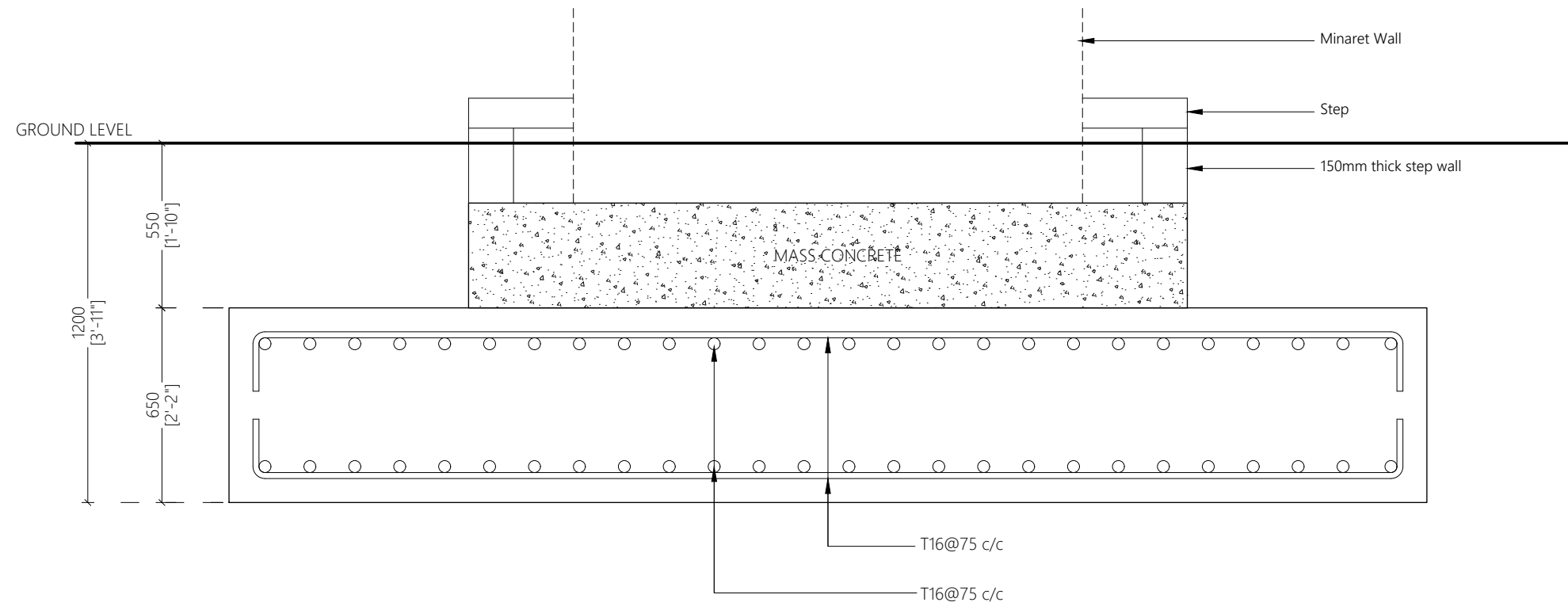
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Note:
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 mid bars = 0.85 x span
 sup bars = 1/3 x span
 concrete mix = 1:2:3 (C:S:A)
 lean concrete mix = 1:2:5

MINARET F2 FOOTING SECTION DETAIL

1:20

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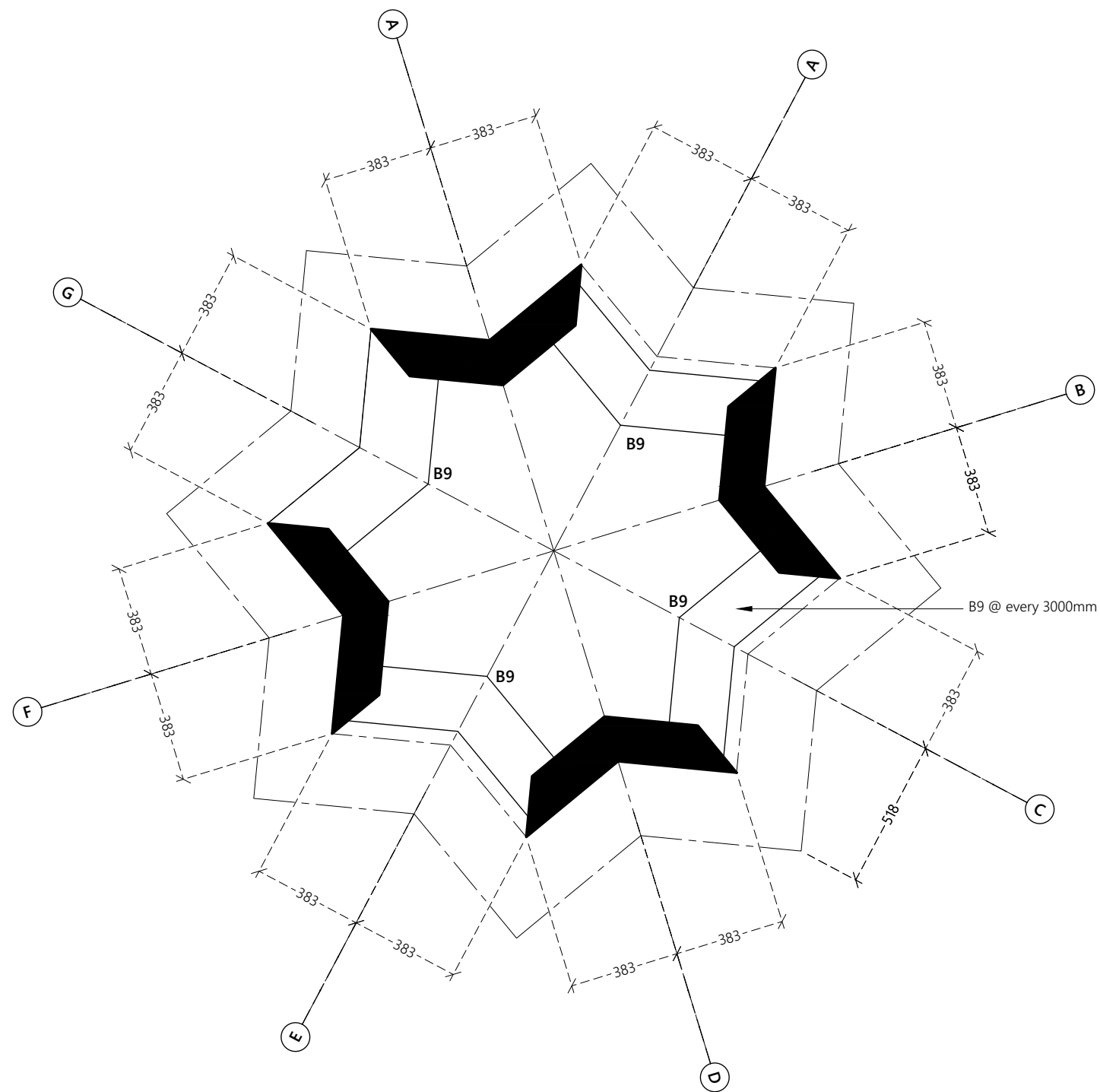
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MINARET BEAM LAYOUT PLAN

1:20

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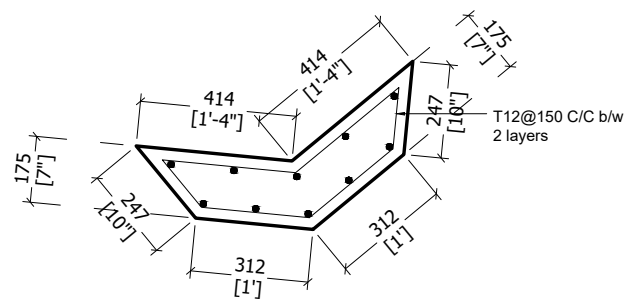
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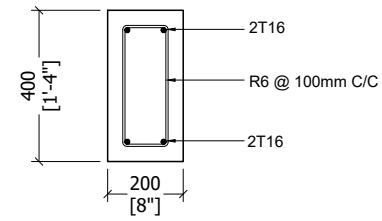


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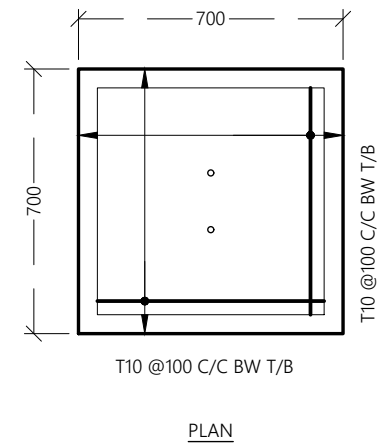
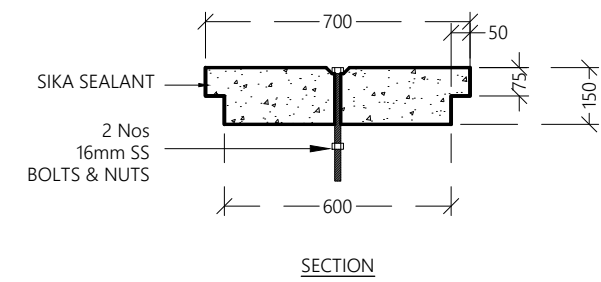
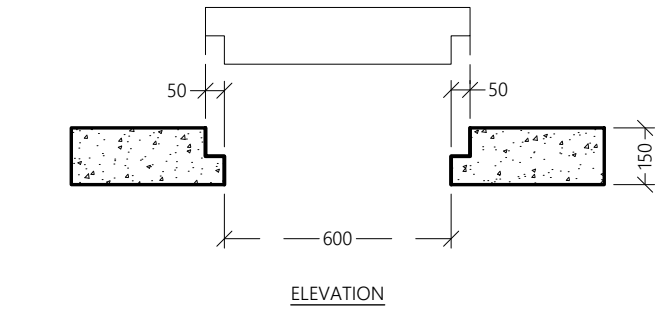
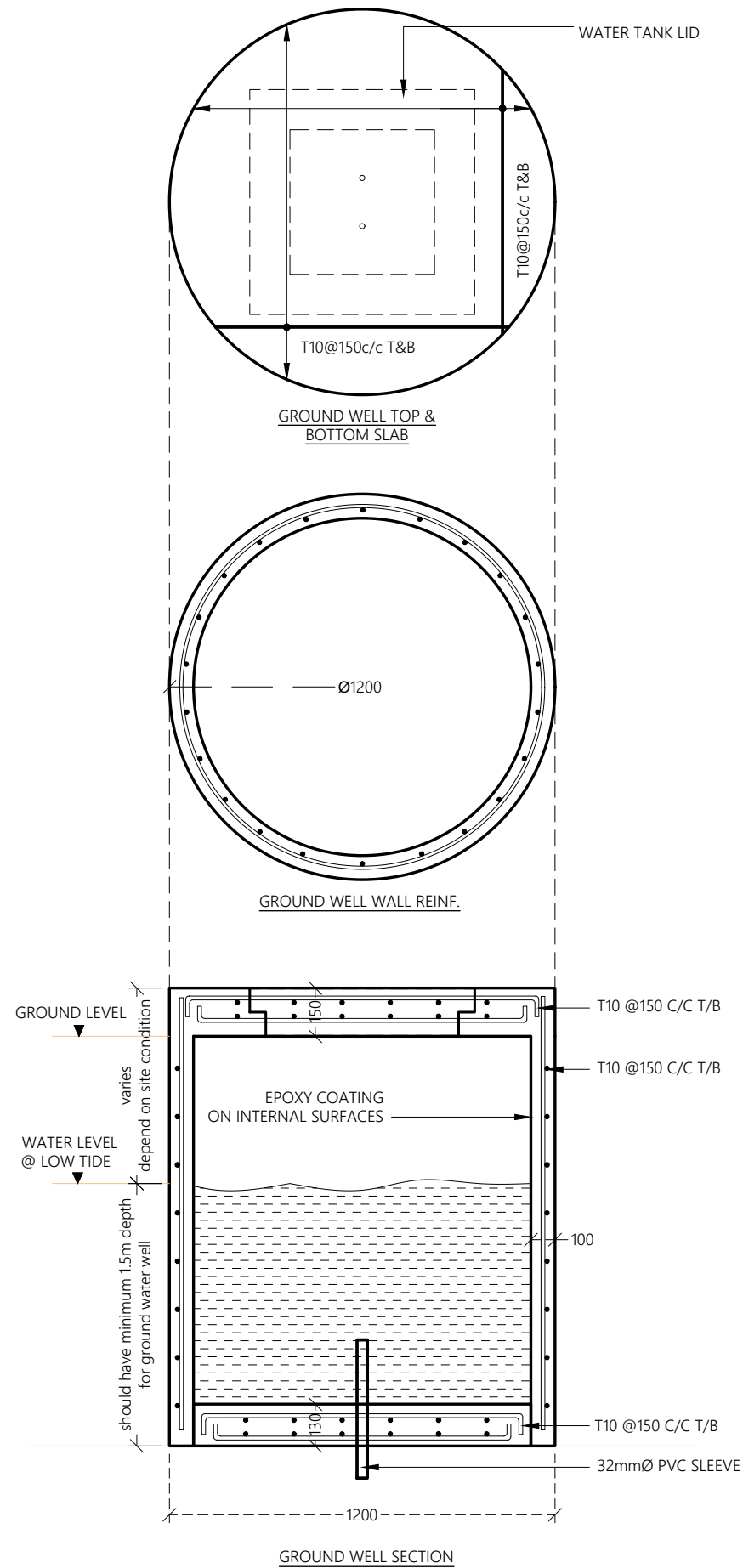
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C4



B9



GROUND WELL AND TANK LID DETAILS

GROUND WELL DETAIL

1:20

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