

ARCHITECTURAL & STRUCTURAL DETAIL DRAWINGS OF

PROPOSED 02 STOREY BUILDING AT

FUVAHMULAH CENTER FOR HOLY QURAN

For Ministry of Islamic Affairs

By Epoch Associates Pvt. Ltd

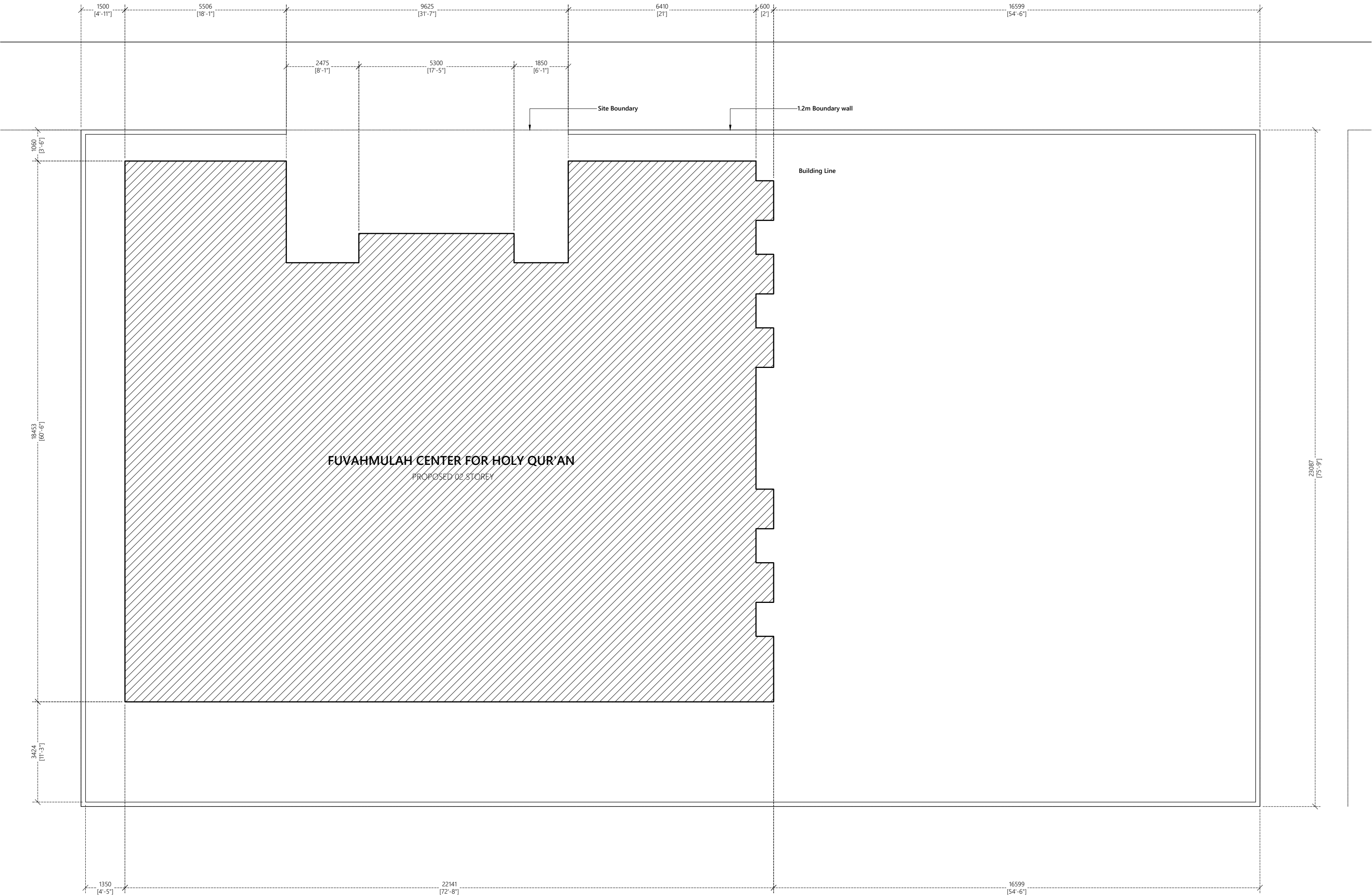


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BUILDING INFORMATION	
Plot Area	529.03 Sqm / 5690.5 Sqft
Footprint Area	274.76 Sqm / 2953.88 Sqft
Built-Up Area	549.52 Sqm / 5907.76 Sqft

SITE PLAN

1:100

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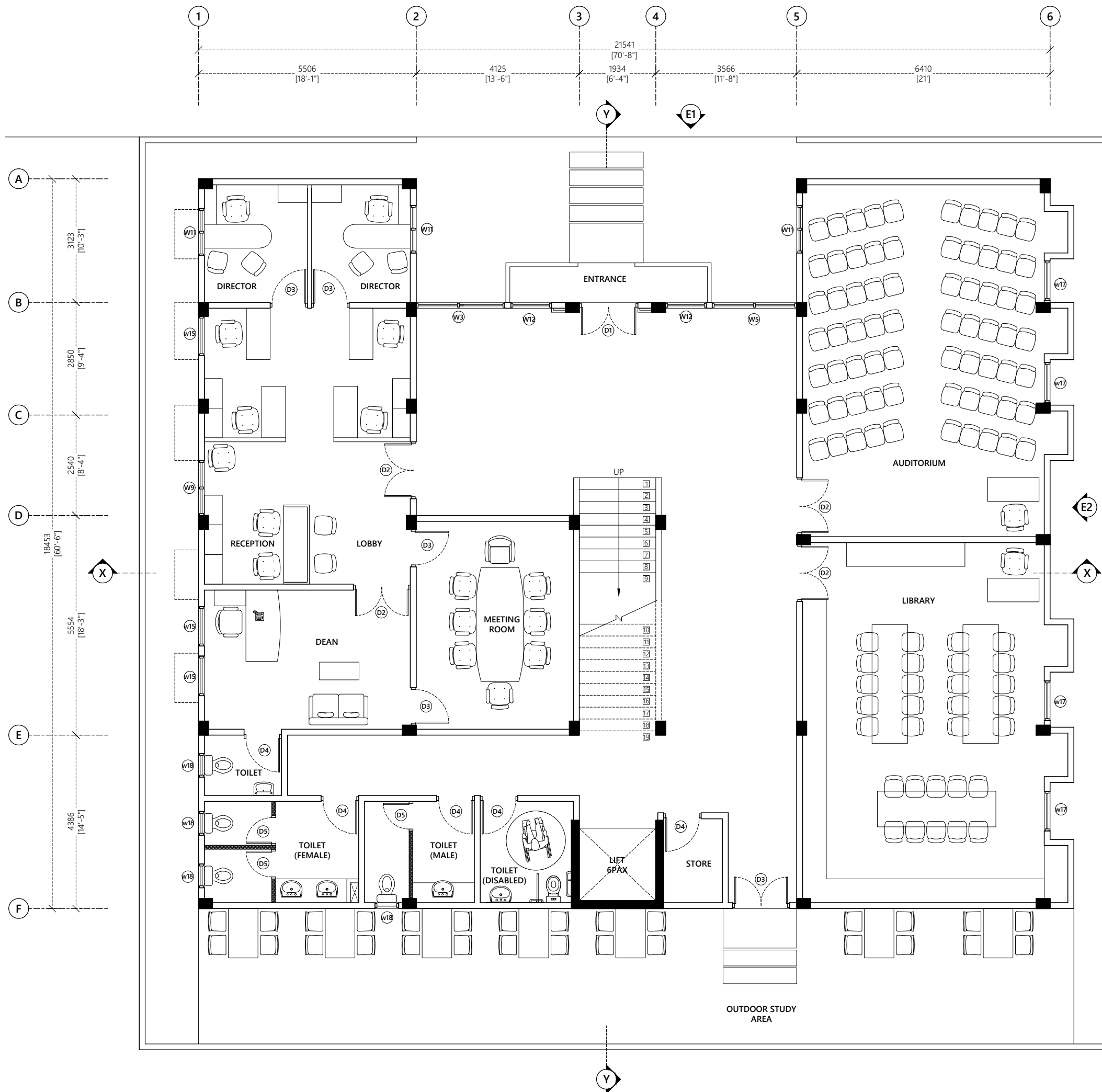
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Ministry of Islamic Affairs

October 2019
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Engineer: **Ihsaan Waheed**
Drawn By: **Fathmath Ihudha Amir**



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GROUND FLOOR PLAN

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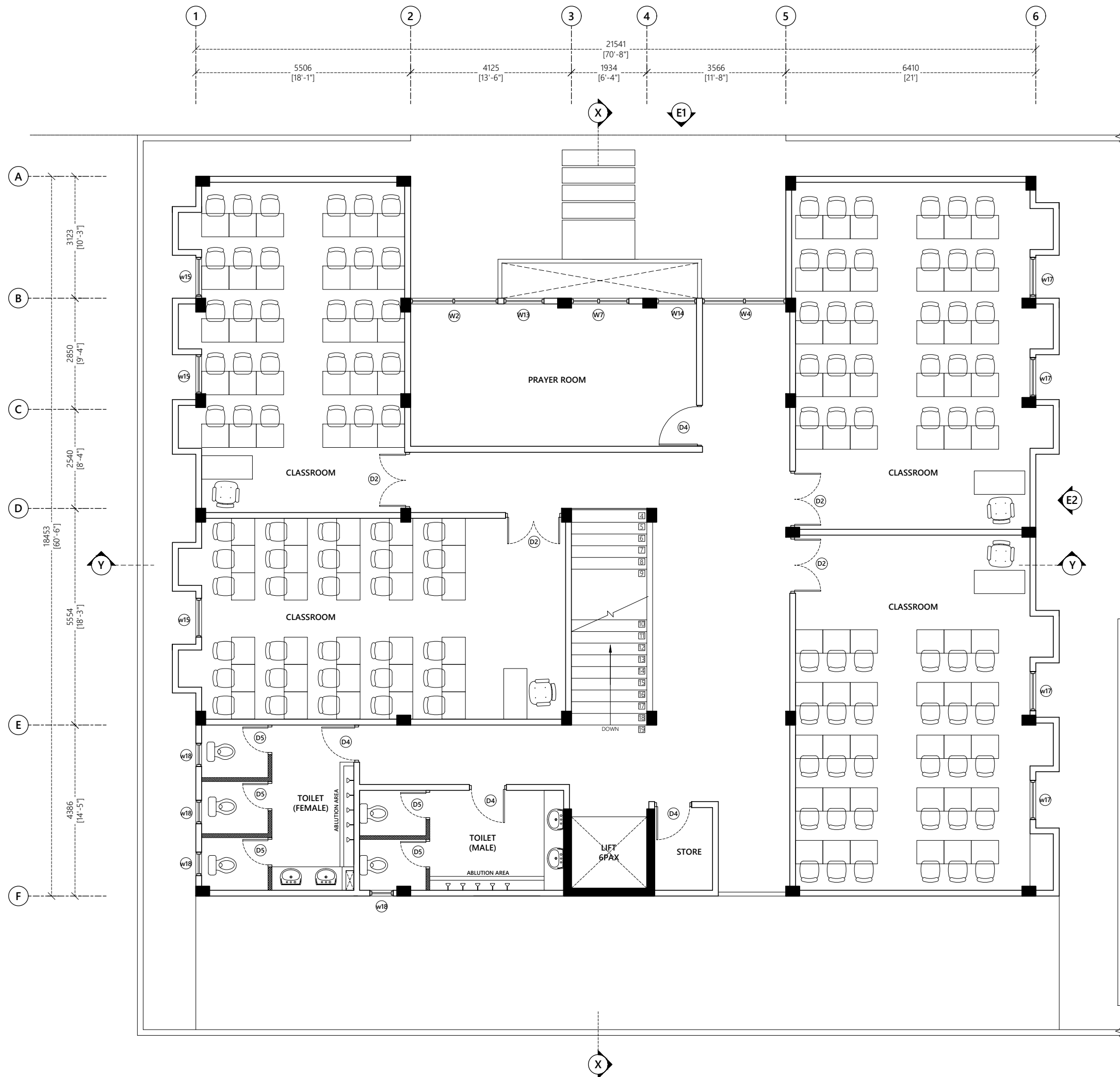
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Wall Legend:

- 150mm thick masonry blocks with 20mm plaster on exterior and 12mm plaster on interior
- 100mm thick dry wall on the internal walls except the toilets and staircase
- Partition walls of 2200mm height for toilet cubicles.

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

FIRST FLOOR PLAN

1:100

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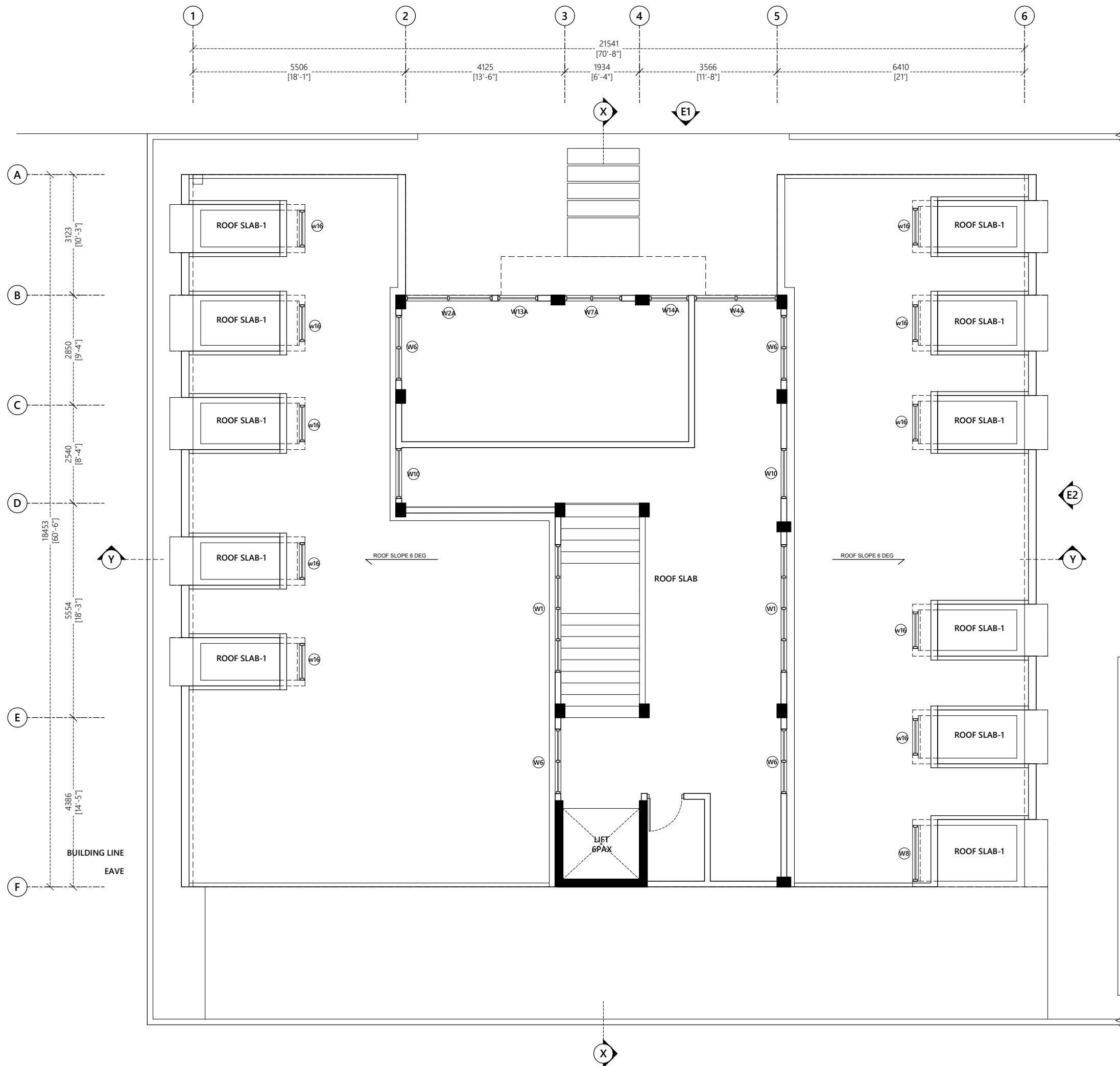
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Wall Legend:

- 150mm thick masonry blocks with 20mm plaster on exterior and 12mm plaster on interior
- 100mm thick dry wall on the internal walls except the toilets and staircase

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)

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

ROOF -1 LEVEL PLAN

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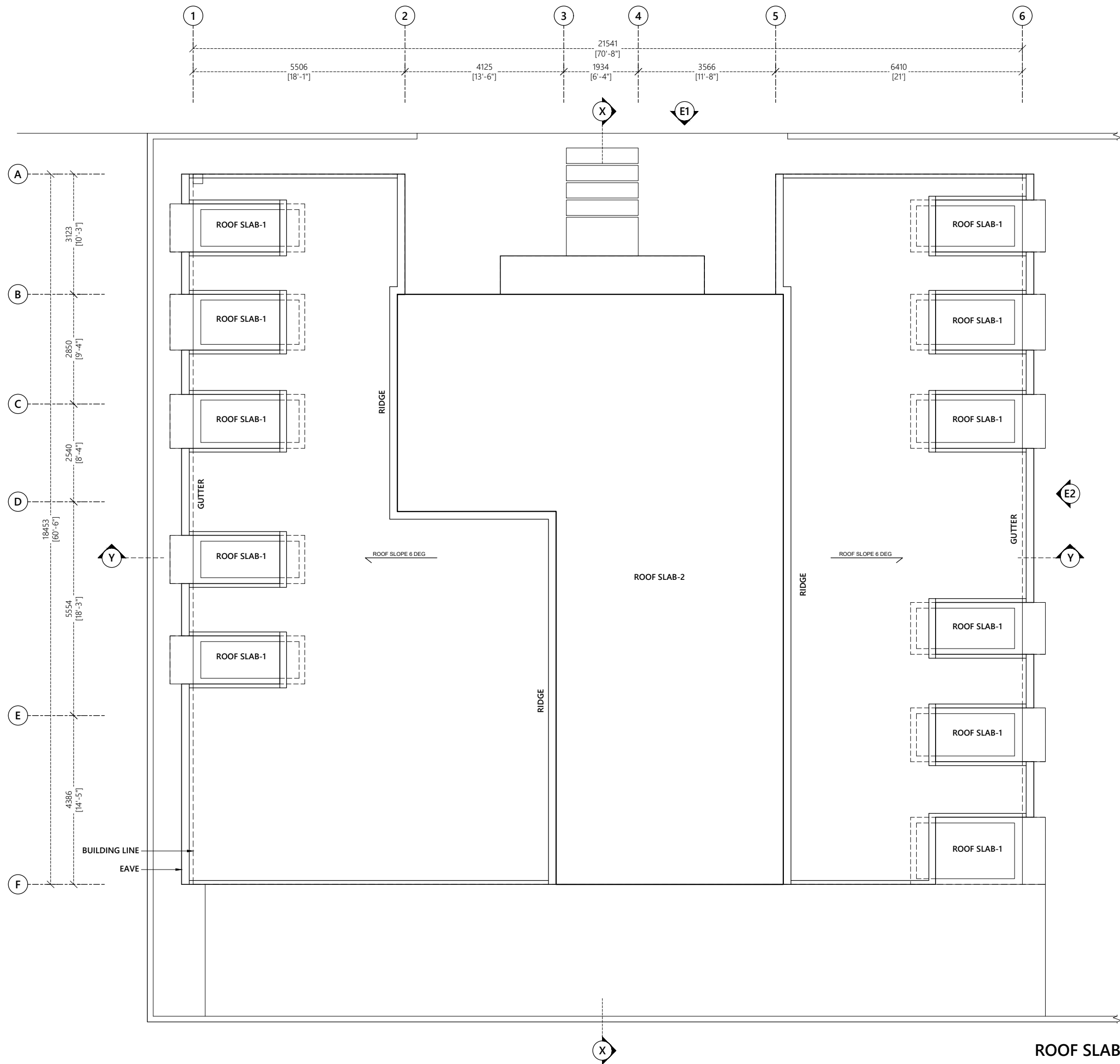
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ROOF SLAB LEVEL PLAN

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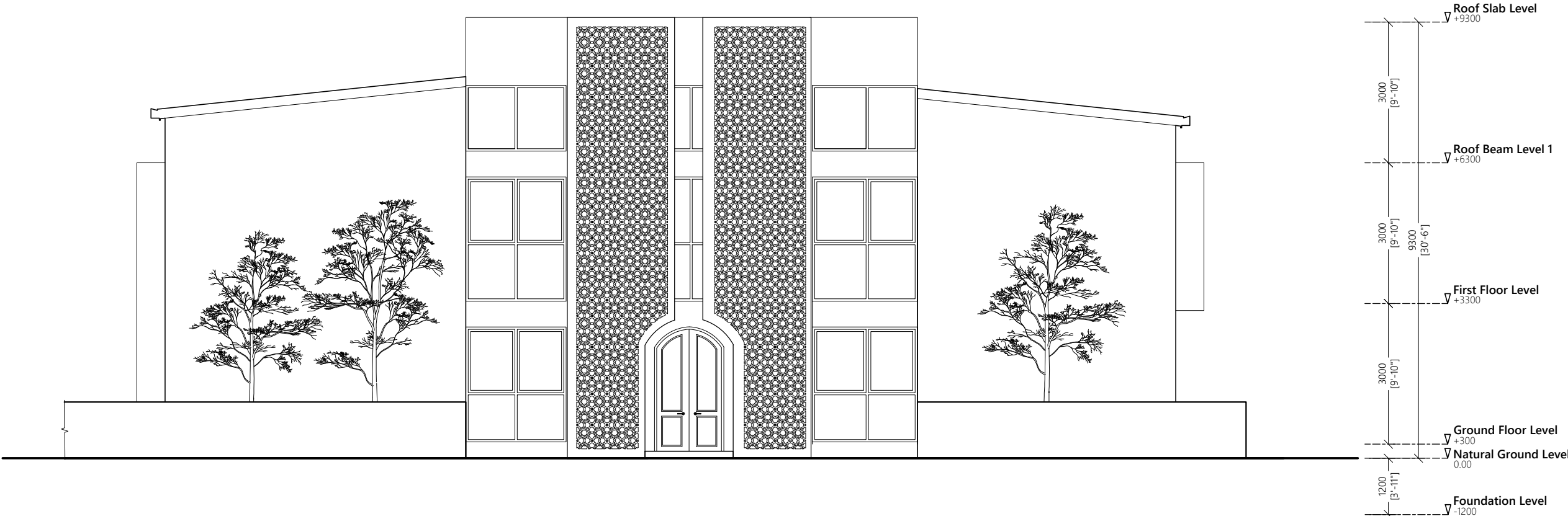
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ELEVATION E1
1:100

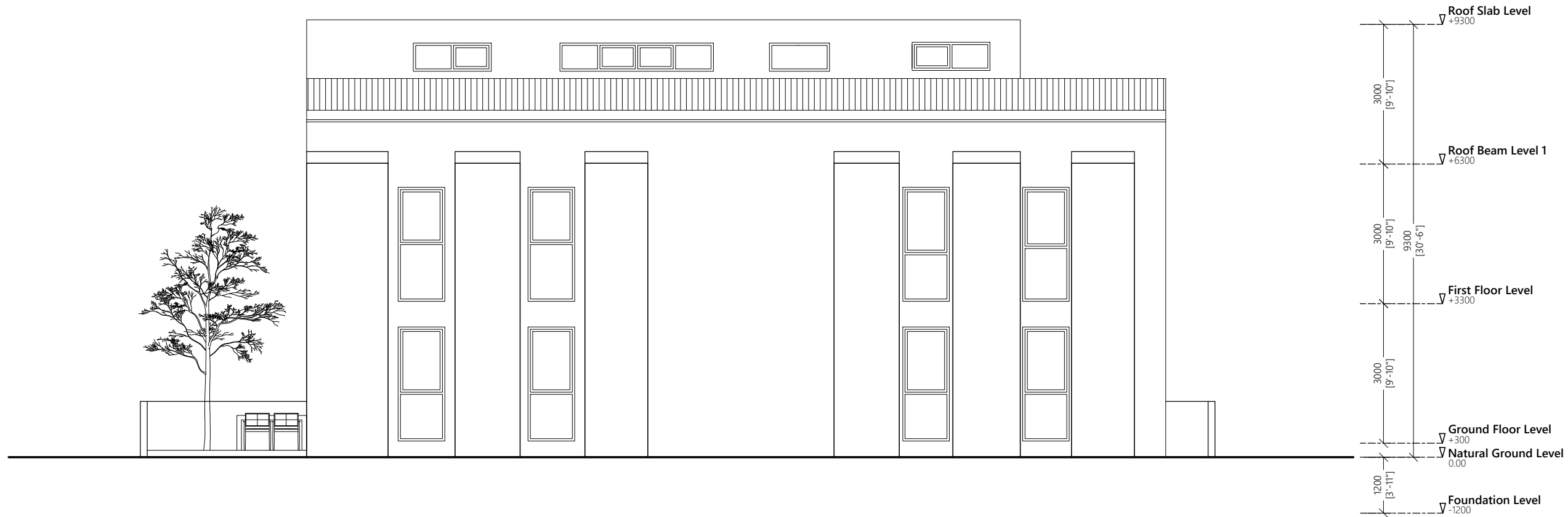
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ELEVATION E2


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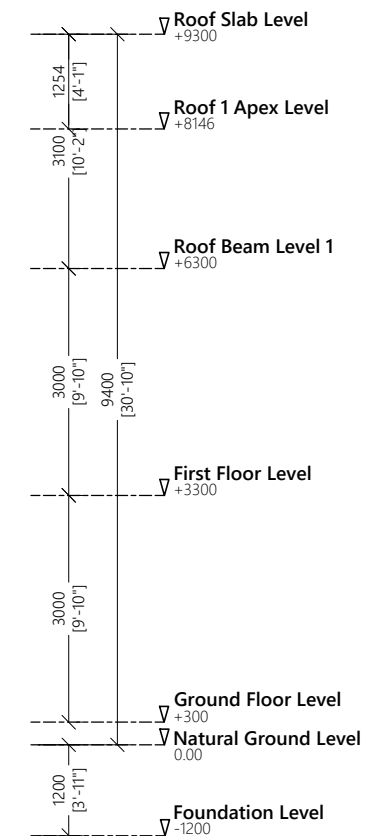
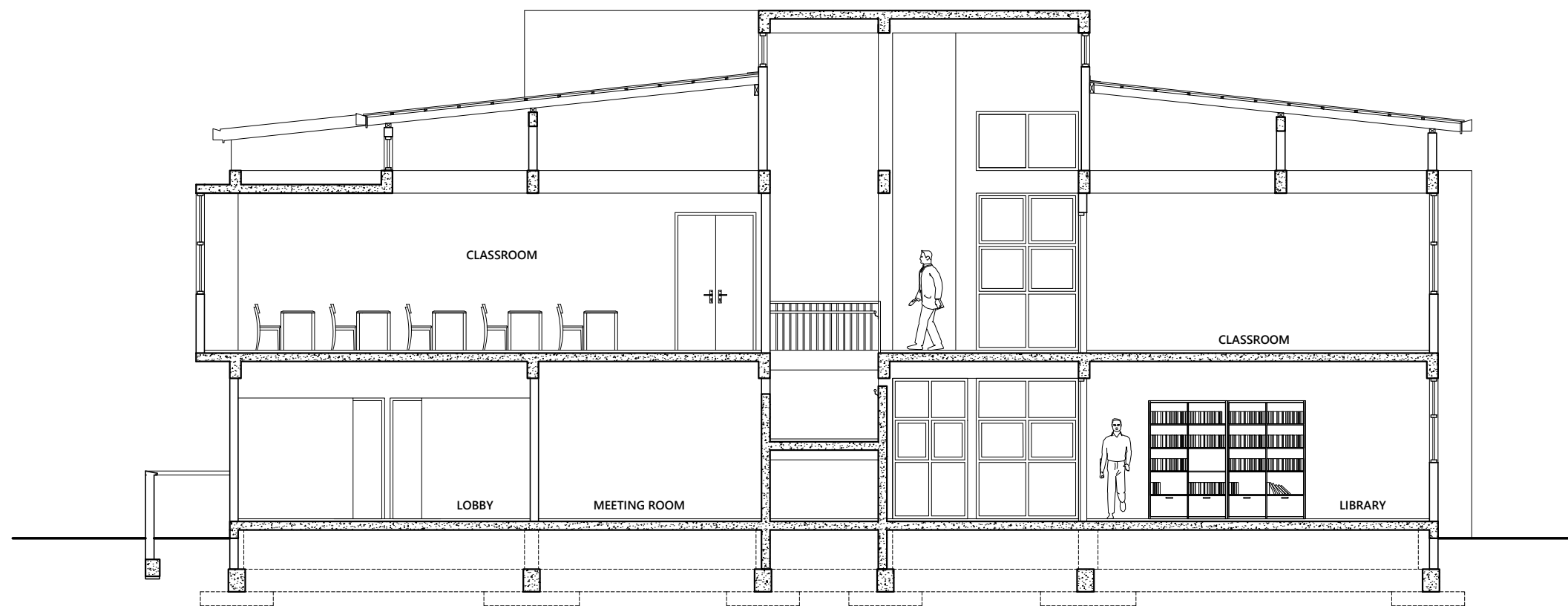
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A.3.02



SECTION X-X

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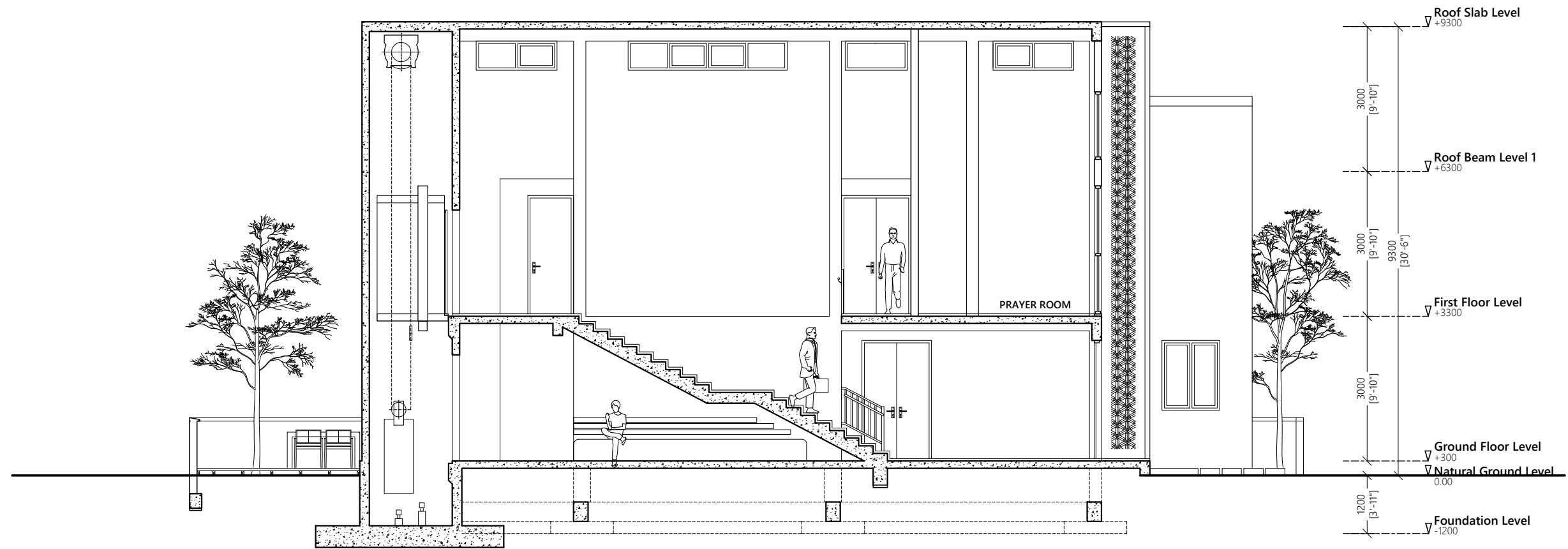
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SECTION Y-Y

1:100

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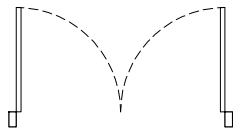
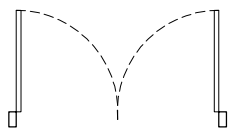
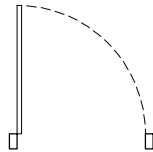
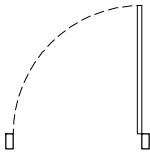
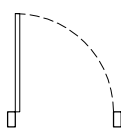
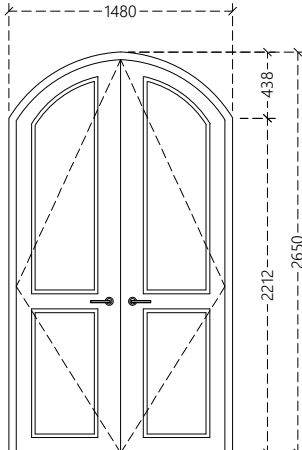
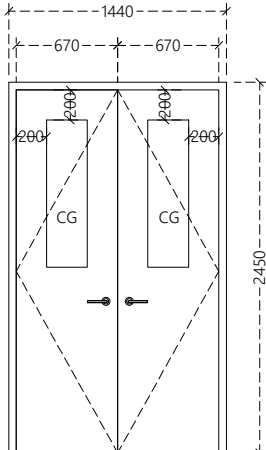
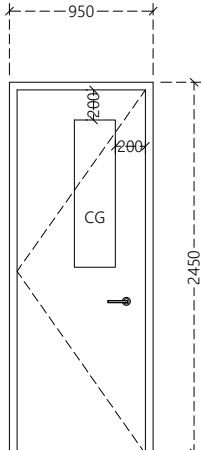
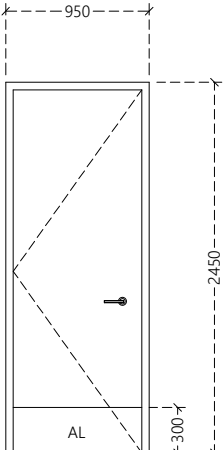
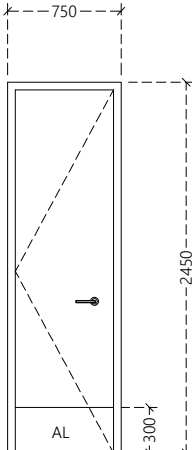
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Door ID	D1	D2	D3	D4	D5
Plan view					
Elevation view					
FFL					
Frame material	Solid timber Varnished	Solid timber Varnished	Solid timber Varnished	Solid timber Varnished	Solid timber Varnished
Panel material	Solid core timber varnished	Solid core timber varnished with clear glass panel (CG)	Solid core timber varnished with clear glass panel (CG)	Solid core timber varnished with aluminum kick plate (AL)	Solid core timber varnished with aluminum kick plate (AL)
Openable area	3.42	3.22	2.01	2.04	1.56

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

Door knobs shall be 1000mm above FFL

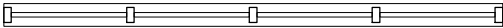
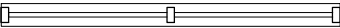
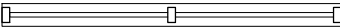
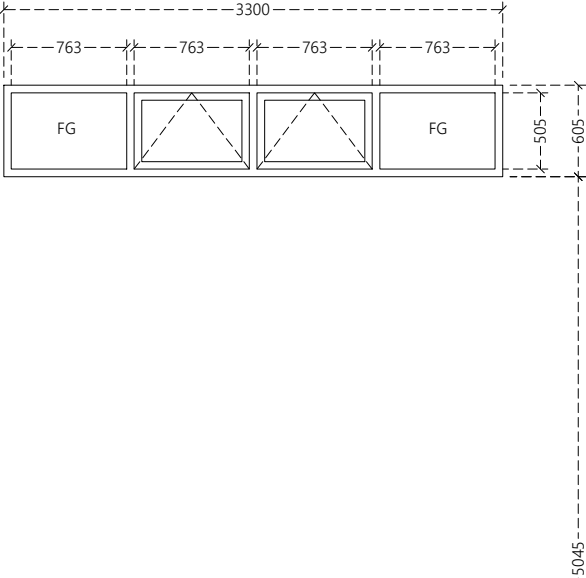
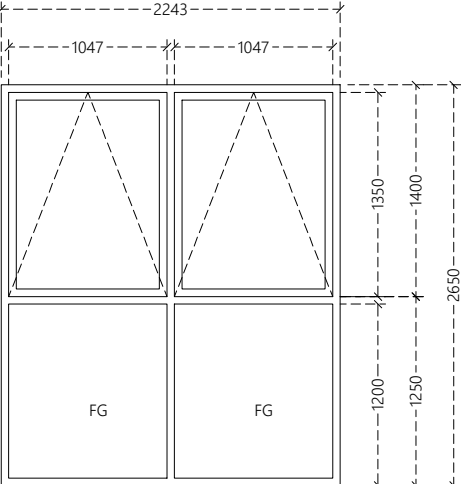
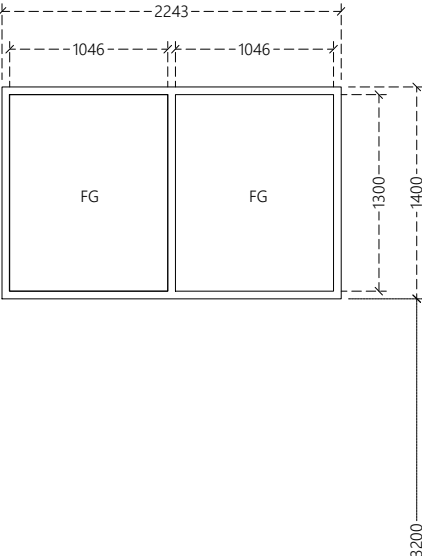
All external frames / wall joints must be sealed with silicon sealant and the wedges trimmed with 12X12mm hardwood beading fixed to frames by brass nails

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 be 1000mm above FFL

Door ID	W1	W2	W2A
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels	Fixed glass (FG) panels
Openable area	0.77	2.83	0.00

General Notes:

Dimensions shown on DWG indicate effective openings of frame

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

All wdden components should be wood stained finish

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

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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

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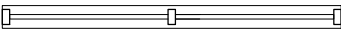

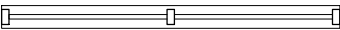
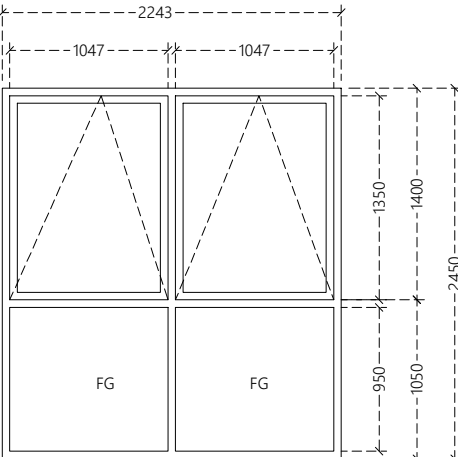
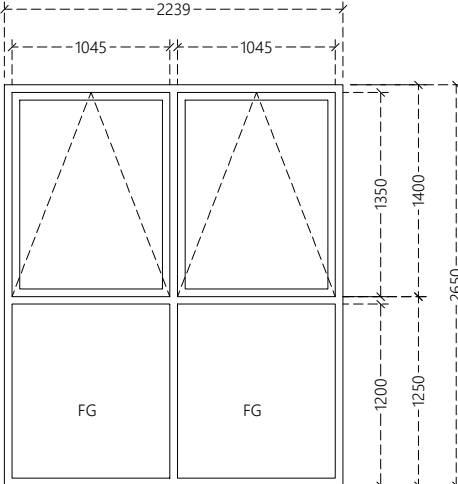
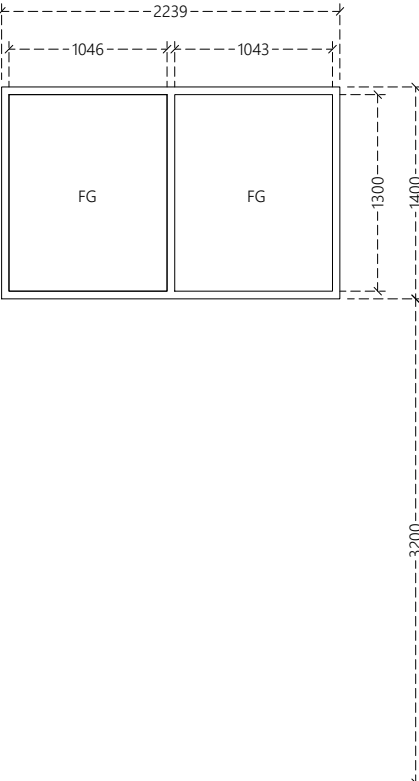
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Door ID	W3	W4	W4A
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels	Fixed glass (FG) panels
Openable area	2.83	2.82	0.00

General Notes:

Dimensions shown on DWG indicate effective openings of frame

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

All wooden 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

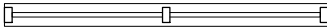
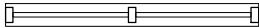
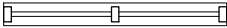
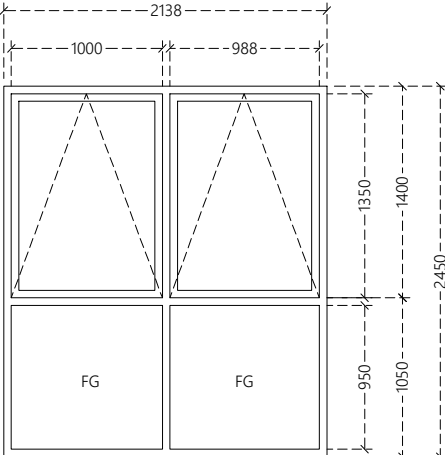
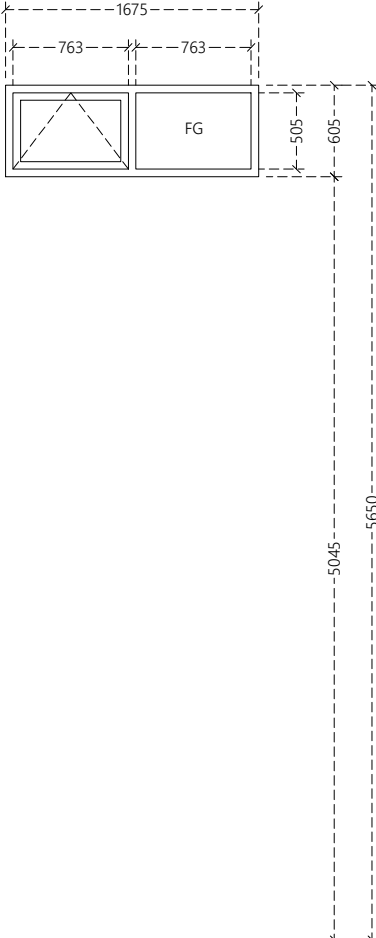
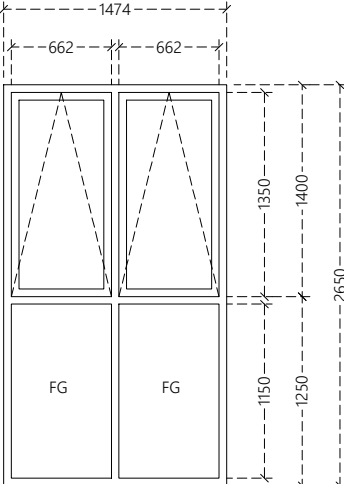
All hardware should be provided for the performance of all functions of the units

Hinges shall confirm to

- Door size more than 700X1900mm
WD: 125mm X2 sets
SD: 150mm X3 sets
- Door size less than 700X1900mm
WD: 100mm X2 sets
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets

Door knobs shall be 1000mm above FFL

Door ID	W5	W6	W7
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels
Openable area	2.68	0.39	1.79

General Notes:

Dimensions shown on DWG indicate effective openings of frame

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

All wooden 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

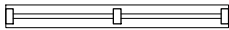
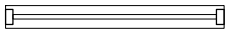
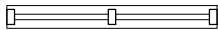
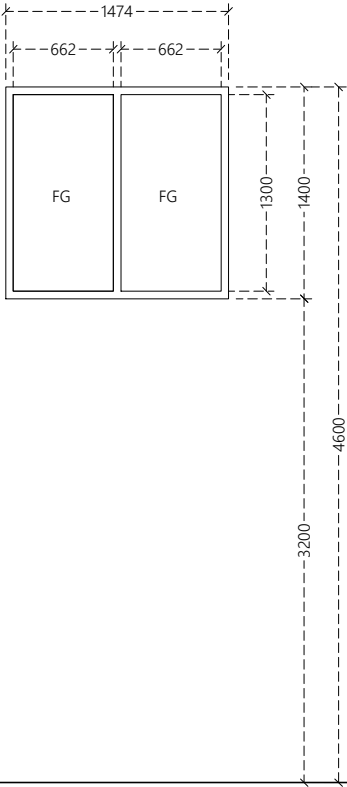
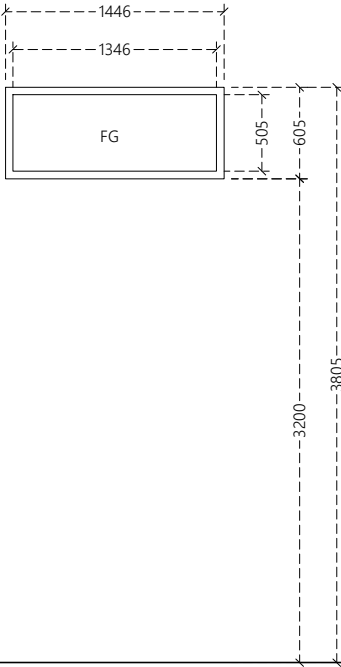
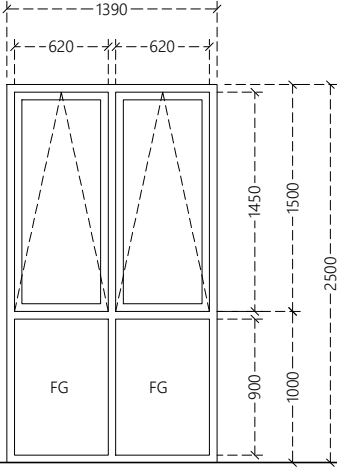
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All hardware should be provided for the performance of all functions of the units

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

Locks shall be cylindrical with master key sets

Door knobs shall be 1000mm above FFL

Door ID	W7A	W8	W9
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Fixed glass (FG) panels	Reflective fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels
Openable area	0.00	0.00	1.79

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

- Door size more than 700X1900mm
WD: 125mm X2 sets
SD: 150mm X3 sets
- 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	W10	W11	W12
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Fixed glass (FG) panels	Reflective glass openable panels	Reflective glass openable panels and fixed glass (FG) panels
Openable area	0.00	1.42	1.25

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 wdden components should be wood stained finish

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WD: 125mm X2 sets
SD: 150mm X3 sets
- 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

PROPOSED 02 STOREY BUILDING AT
**FUVAHMULAH
CENTER FOR HOLY
QUR'AN**

Client:
Ministry of Islamic Affairs

October 2019

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Engineer: Ihsaan Waheed
Drawn By: Fathmath Ihudha Amir



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	A.5.06

Door ID	W13	W13A	W14
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels	Reflective glass openable panels and fixed glass (FG) panels
Openable area	1.39	0.00	1.25

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

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Hinges shall confirm to

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WD: 125mm X2 sets
SD: 150mm X3 sets
- 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

PROPOSED 02 STOREY BUILDING AT
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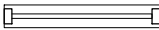
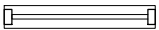
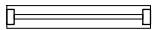
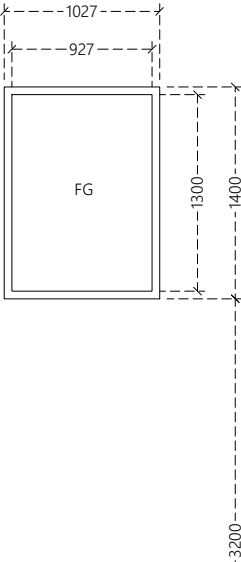
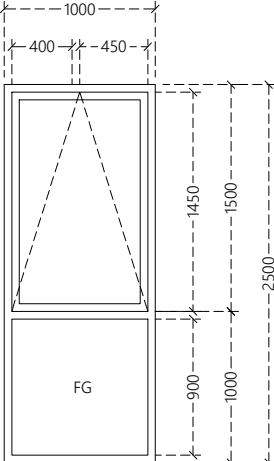
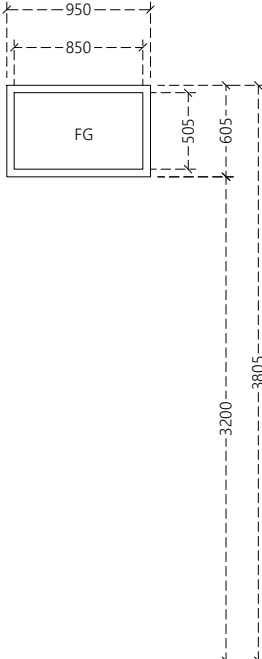
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Door ID	W14A	W15	W16
Plan view			
Elevation view			
FFL			
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels
Openable area	1.25	1.30	1.39

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

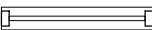

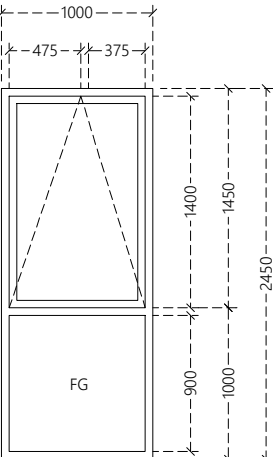
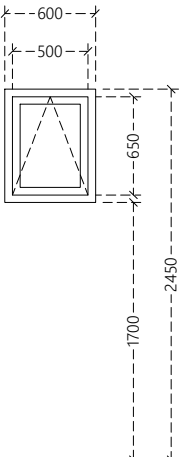
All hardware should be provided for the performance of al functions of the units

Hinges shall confirm to

- Door size more than 700X1900mm
WD: 125mm X2 sets
SD: 150mm X3 sets
- 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	W17	W18
Plan view		
Elevation view		
FFL		
Frame material	Aluminium White Powder Coated	Aluminium White Powder Coated
Panel material	Reflective glass openable panels and fixed glass (FG) panels	Reflective glass openable panels and fixed glass (FG) panels
Openable area	1.26	1.30

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 wdden components should be wood stained finish

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SD: 150mm X3 sets
- 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

PROPOSED 02 STOREY BUILDING AT

FUVAHMULAH

CENTER FOR HOLY

QUR'AN

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Ministry of Islamic Affairs

October 2019

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A.5.09

Room Name	Room Area	Opening	Required Opening	Designed Opening	Opening %
Ground Floor					
Director-1	7.77	W11	0.78	1.42	18.26
Director-2	7.4	W11	0.74	1.42	19.19
Reception / Lobby		MECHANICAL VENTILATION			
Dean	18.27	W15X2	1.83	2.6	14.23
Meeting Room		MECHANICAL VENTILATION			
Toilet		MECHANICAL VENTILATION			
Toilet (Female)		MECHANICAL VENTILATION			
Toilet (Male)		MECHANICAL VENTILATION			
Toilet (Disabled)		MECHANICAL VENTILATION			
Store Room		MECHANICAL VENTILATION			
Auditorium		MECHANICAL VENTILATION			
Library		MECHANICAL VENTILATION			
Corridor		MECHANICAL VENTILATION			
First Floor					
Classroom-1		MECHANICAL VENTILATION			
Classroom-2		MECHANICAL VENTILATION			
Classroom-3		MECHANICAL VENTILATION			
Classroom-4		MECHANICAL VENTILATION			
Prayer Room		MECHANICAL VENTILATION			
Toilet (Female)		MECHANICAL VENTILATION			
Toilet (Male)		MECHANICAL VENTILATION			
Store		MECHANICAL VENTILATION			
Corridor		MECHANICAL VENTILATION			

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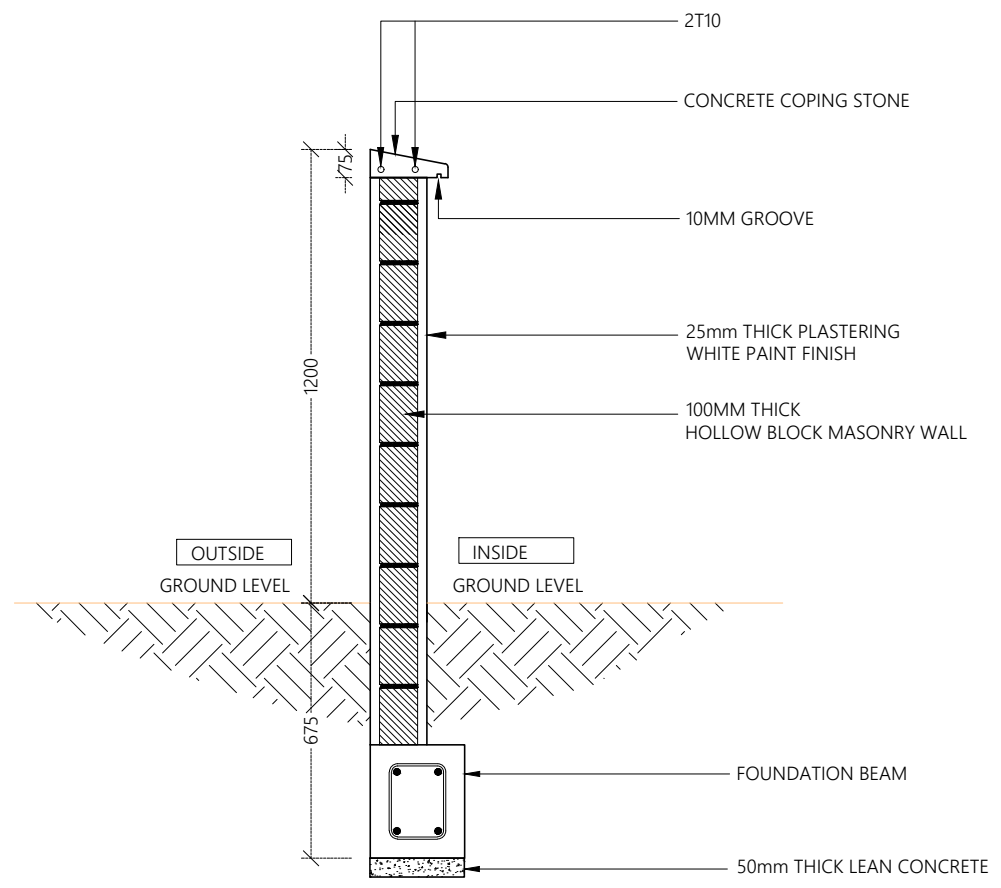
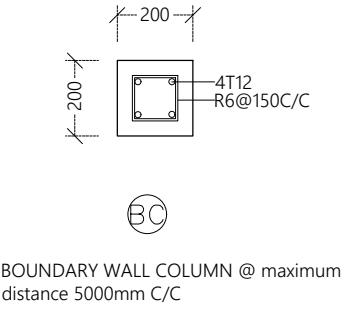
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TYPICAL BOUNDARY WALL DETAIL

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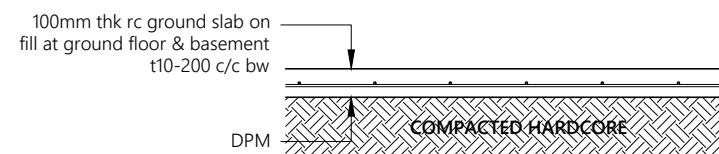
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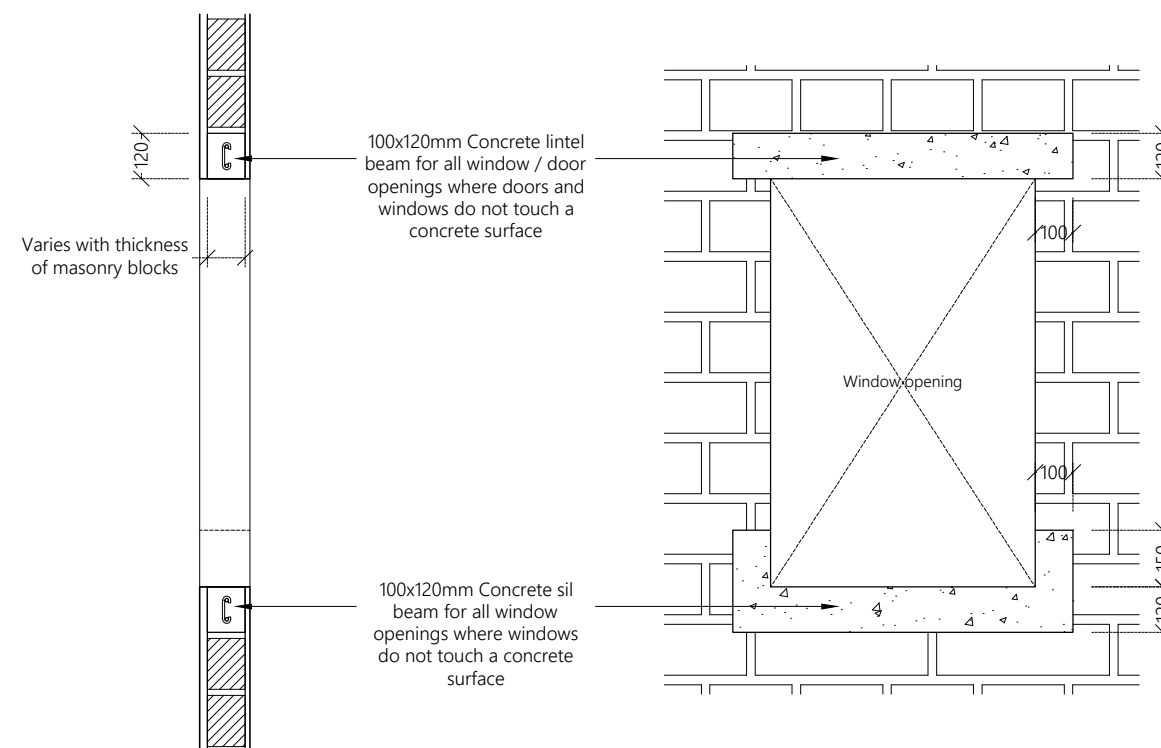


Note:

- 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

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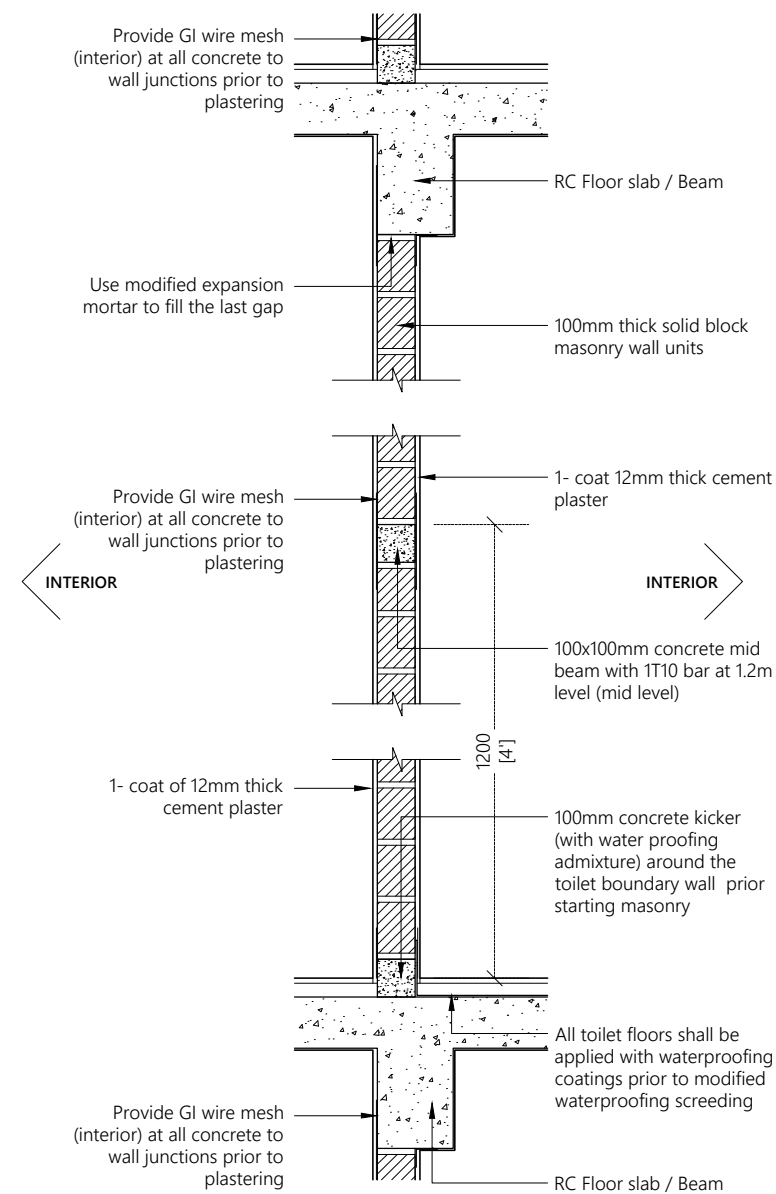
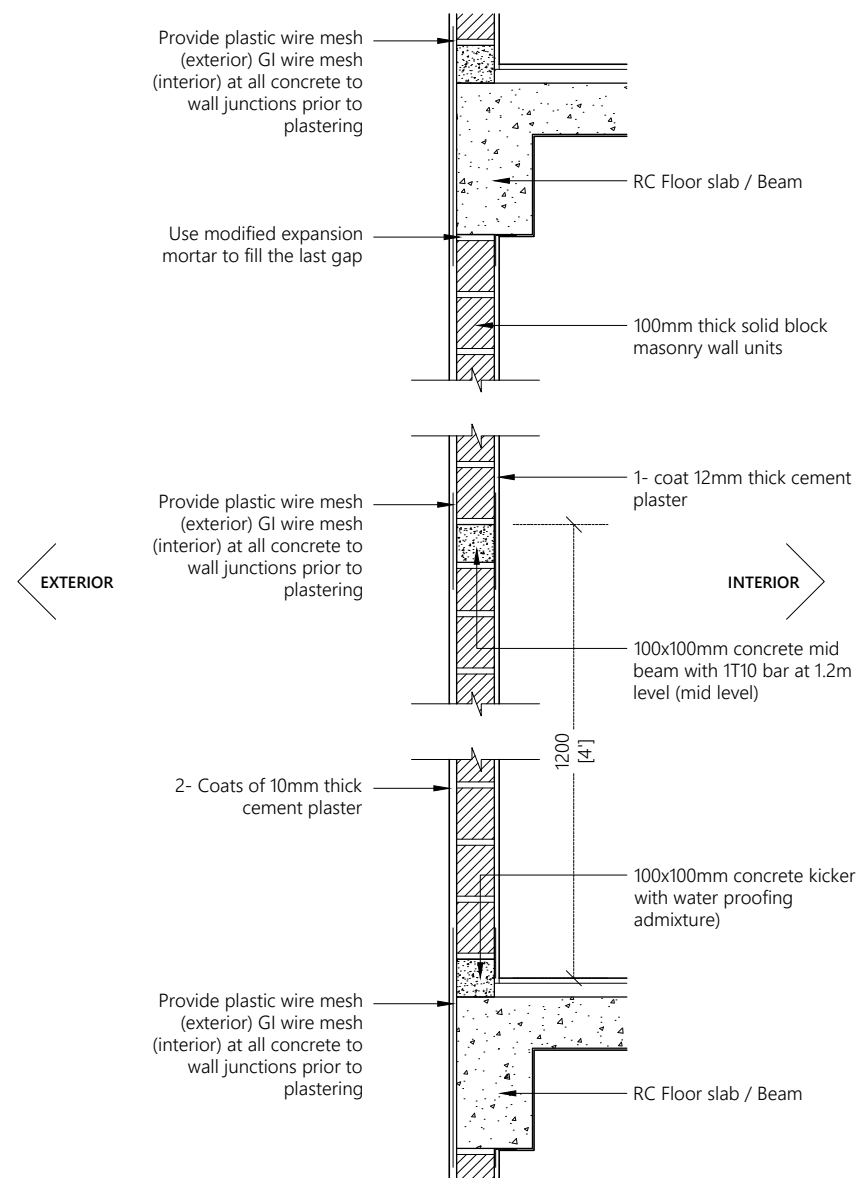
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Note:

- 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

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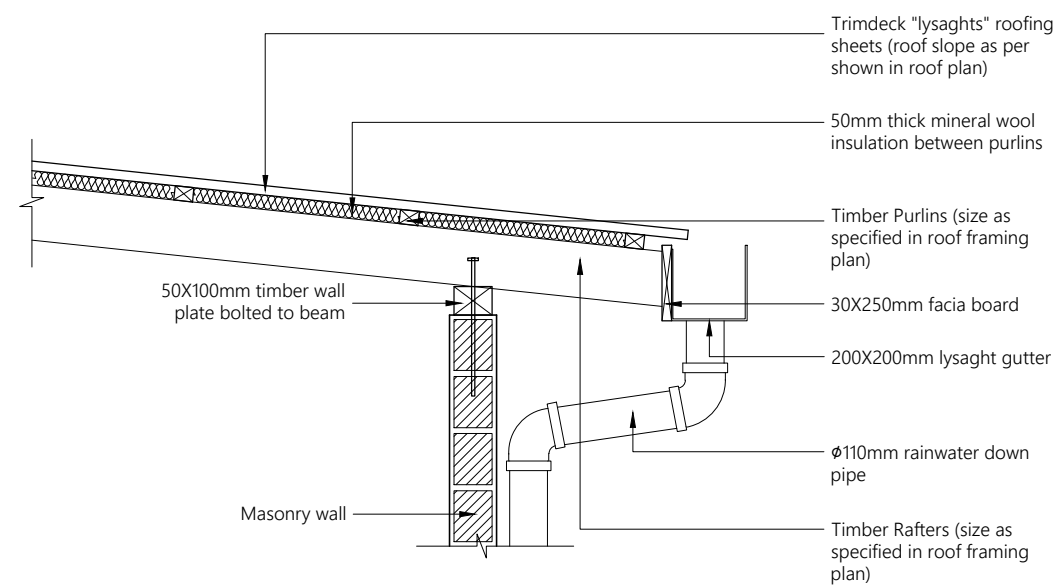
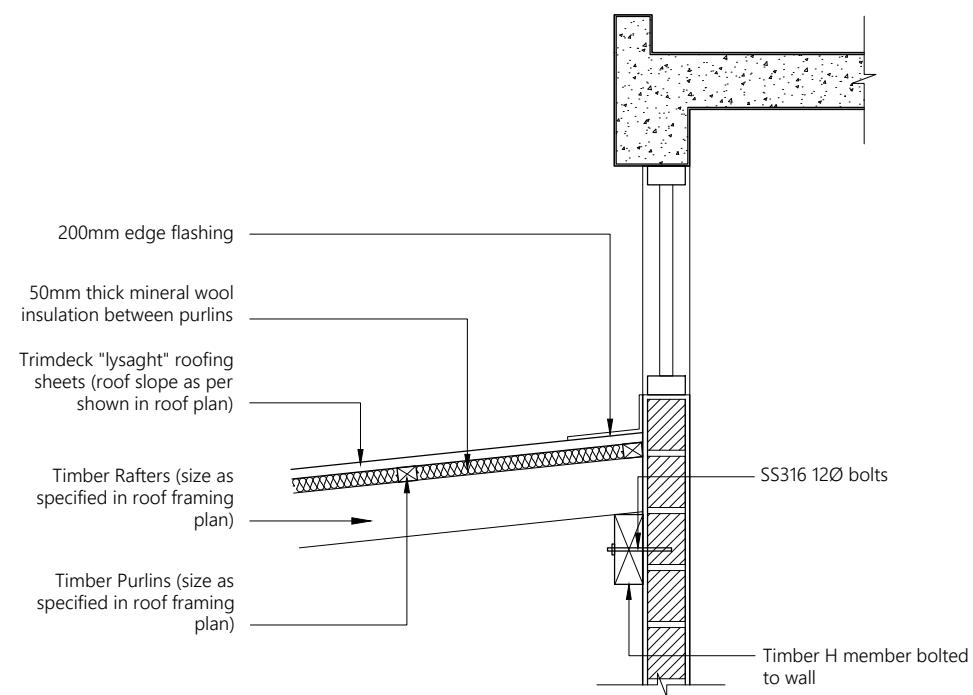
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TYPICAL ROOF DETAIL

1:20

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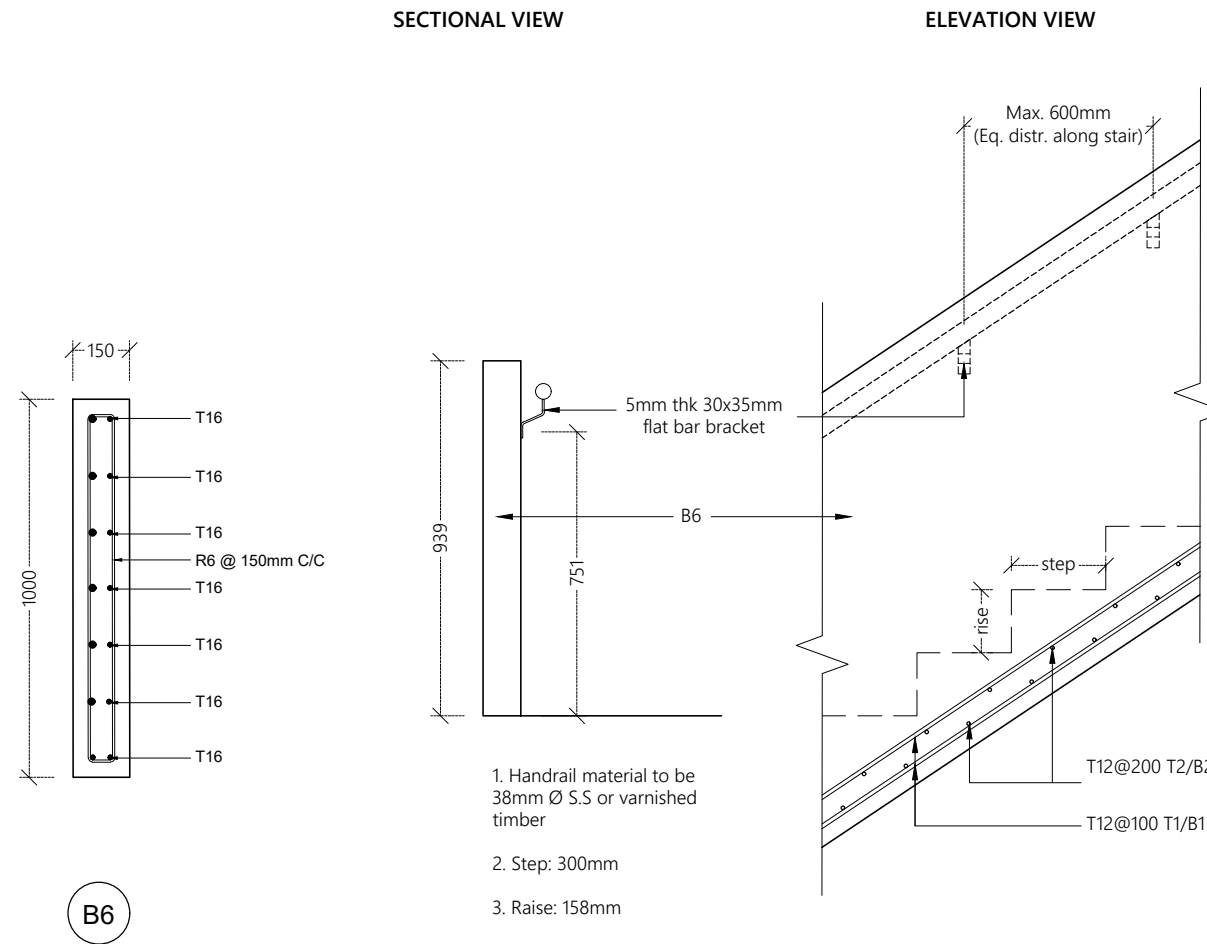
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STAIR DETAIL

1:20

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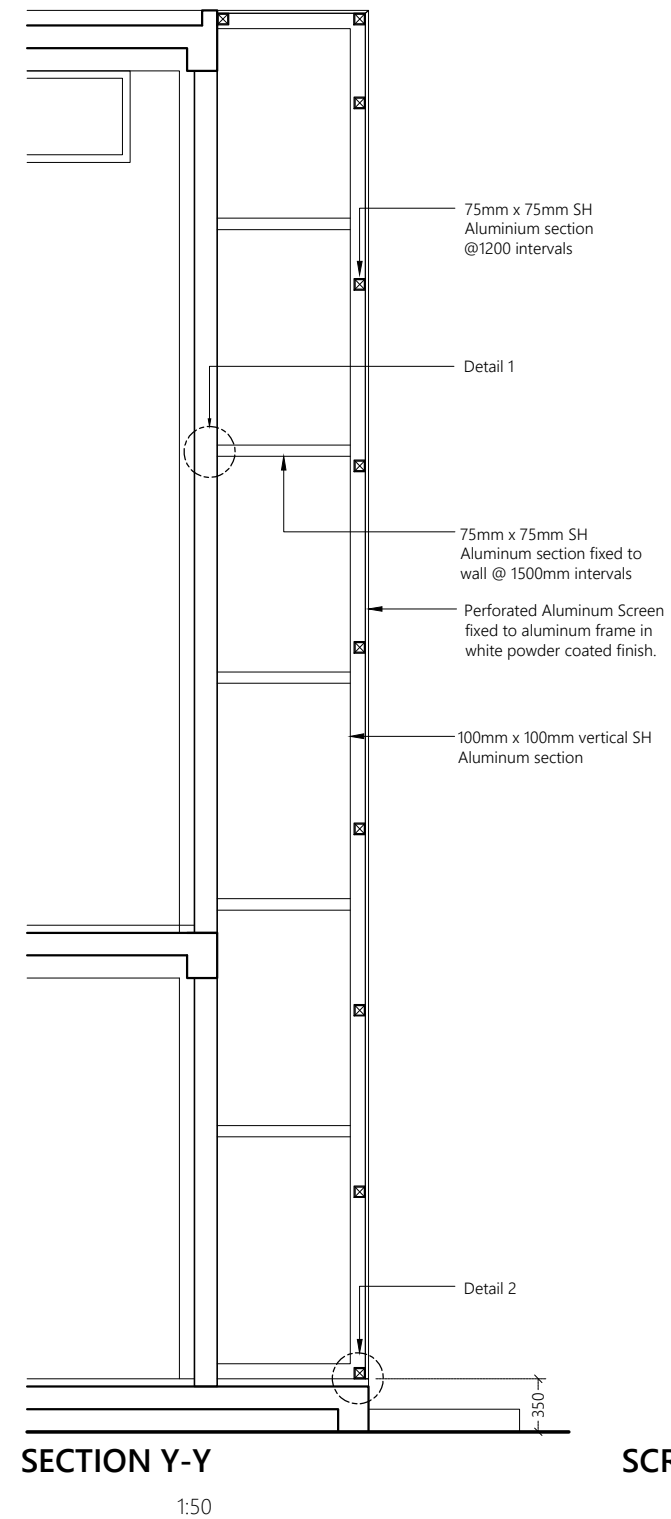
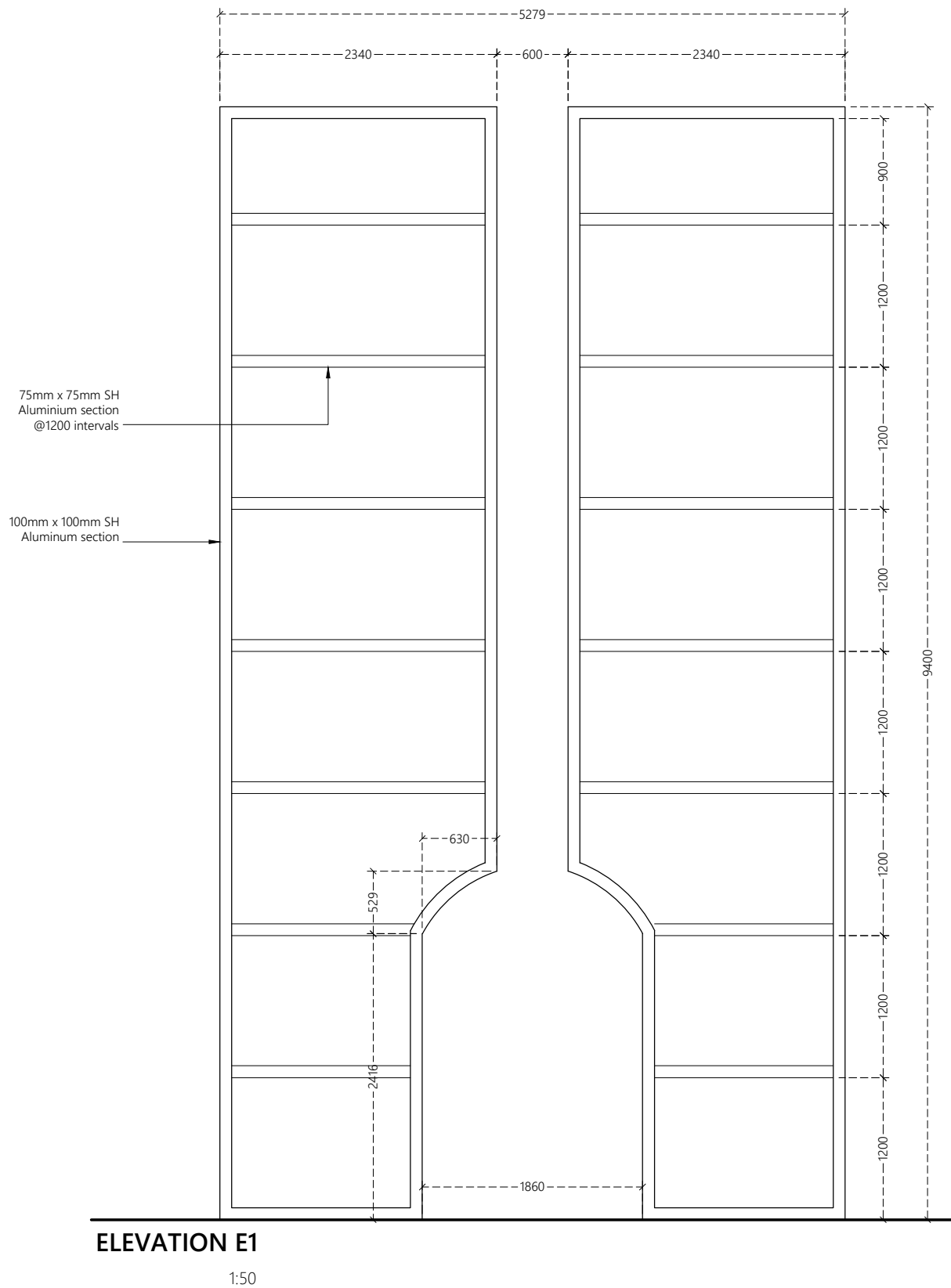
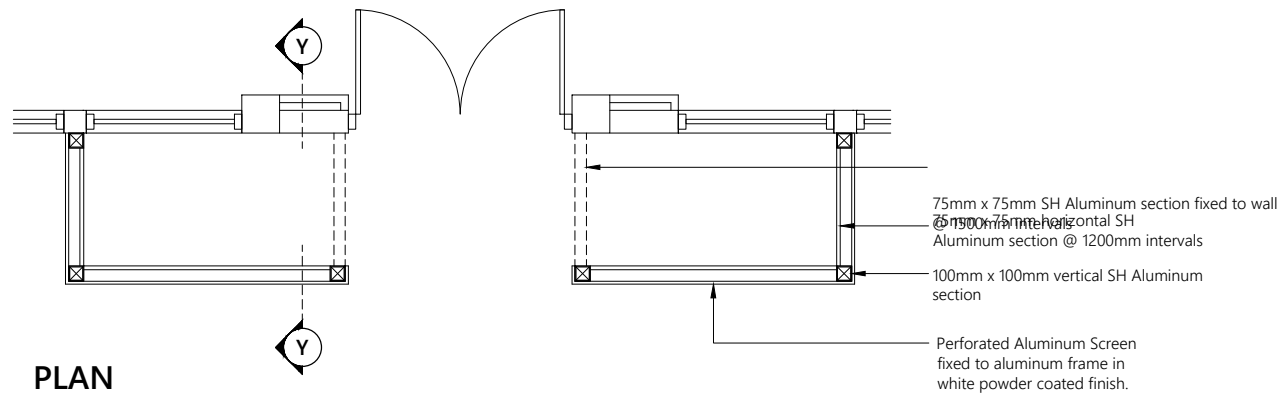
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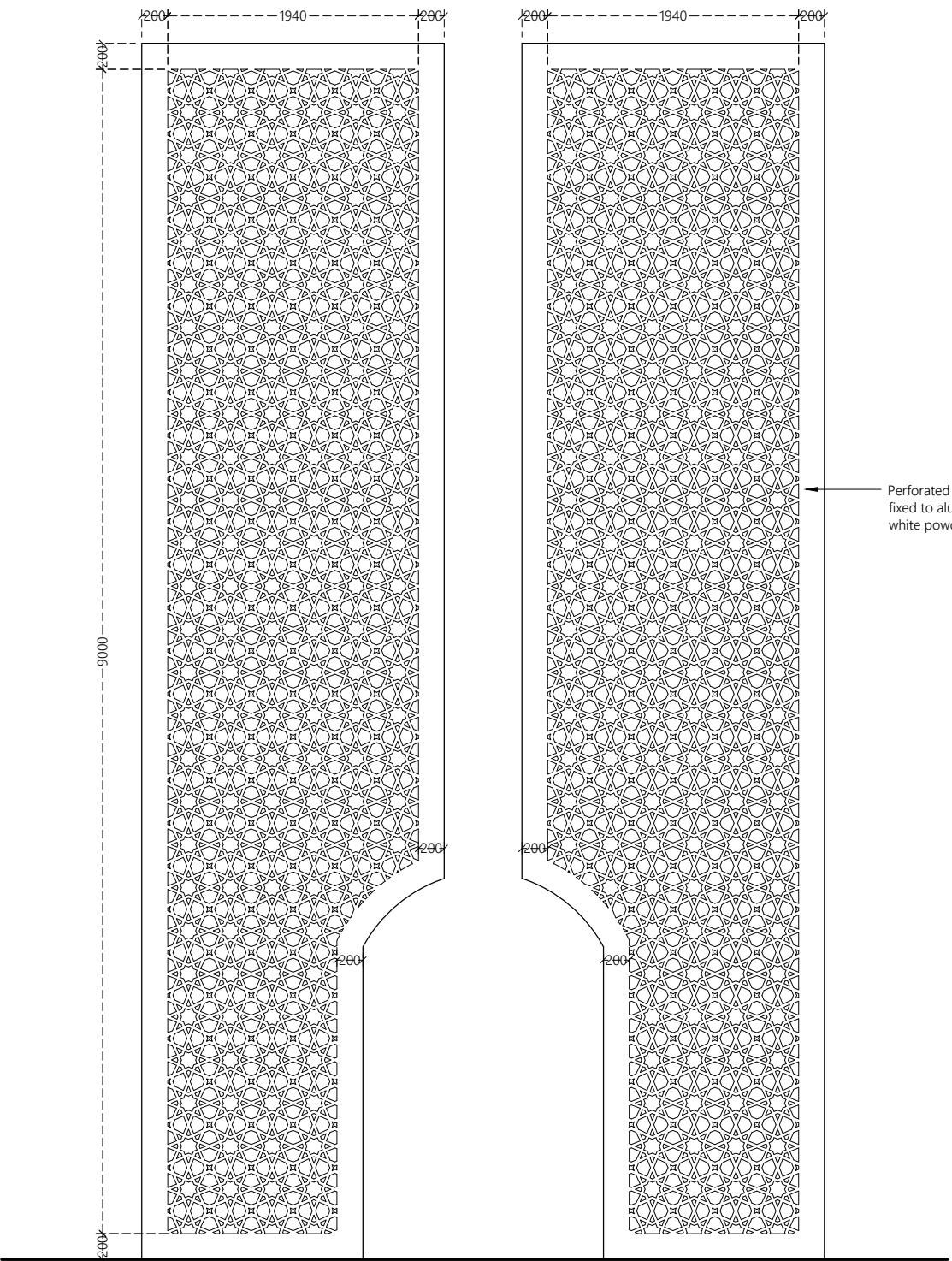
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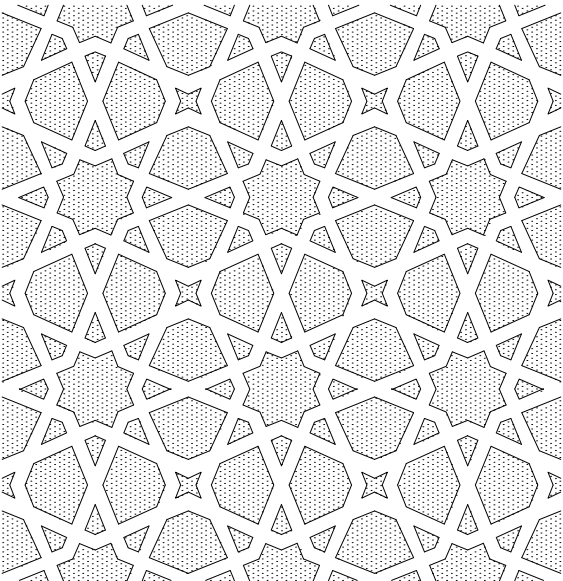
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A.D.06



ELEVATION E1

1:50

Perforated Aluminum Screen
fixed to aluminum frame in
white powder coated finish.



Areas which are cut out from the
design

Cut out Lines

SCREEN DESIGN

1:50

SCREEN DETAIL

1:50

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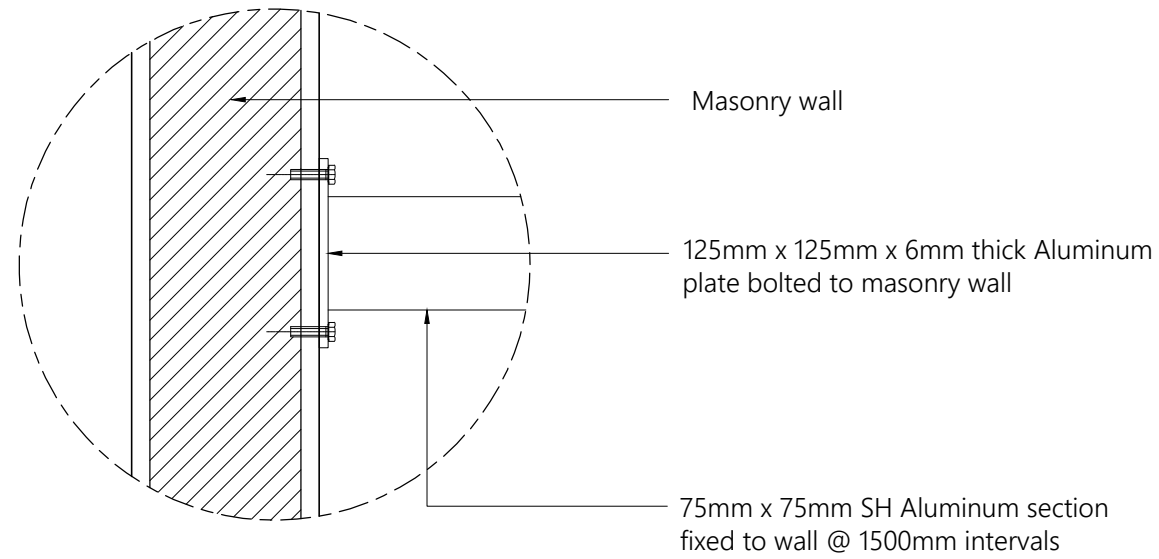
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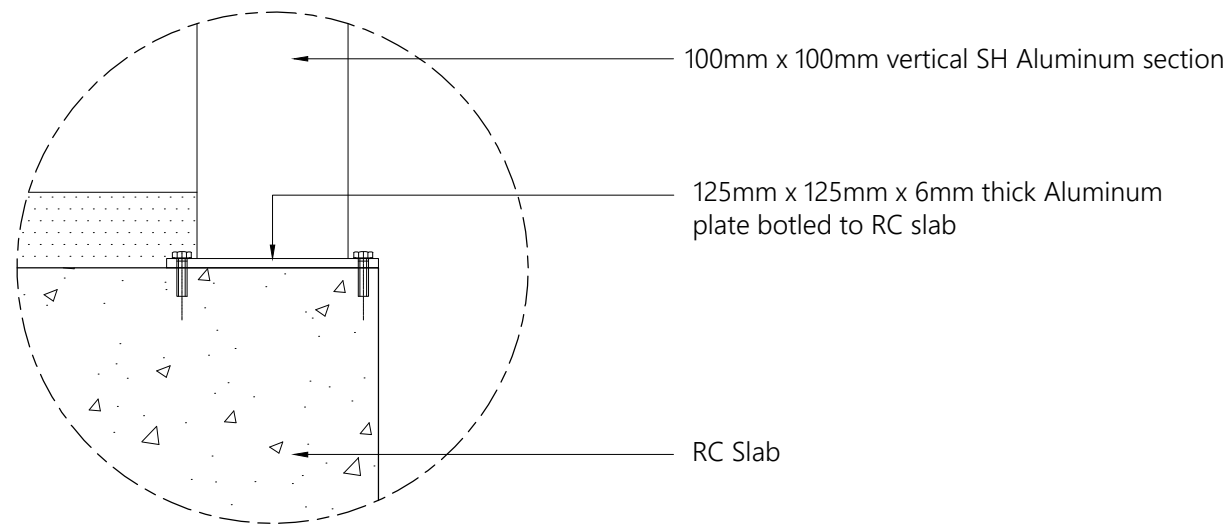
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DETAIL 1

1:5



DETAIL 2

1:5

SCREEN DETAILS

1:20

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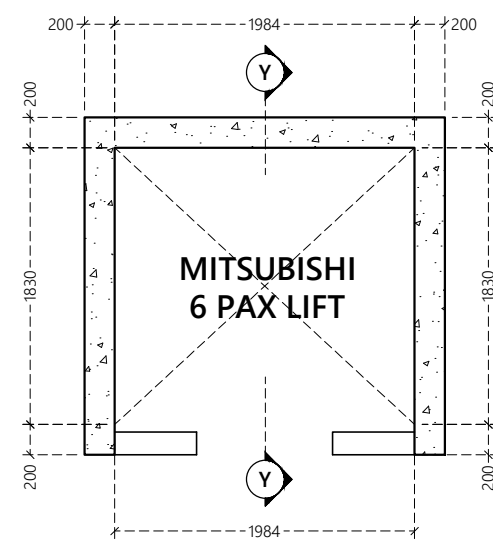
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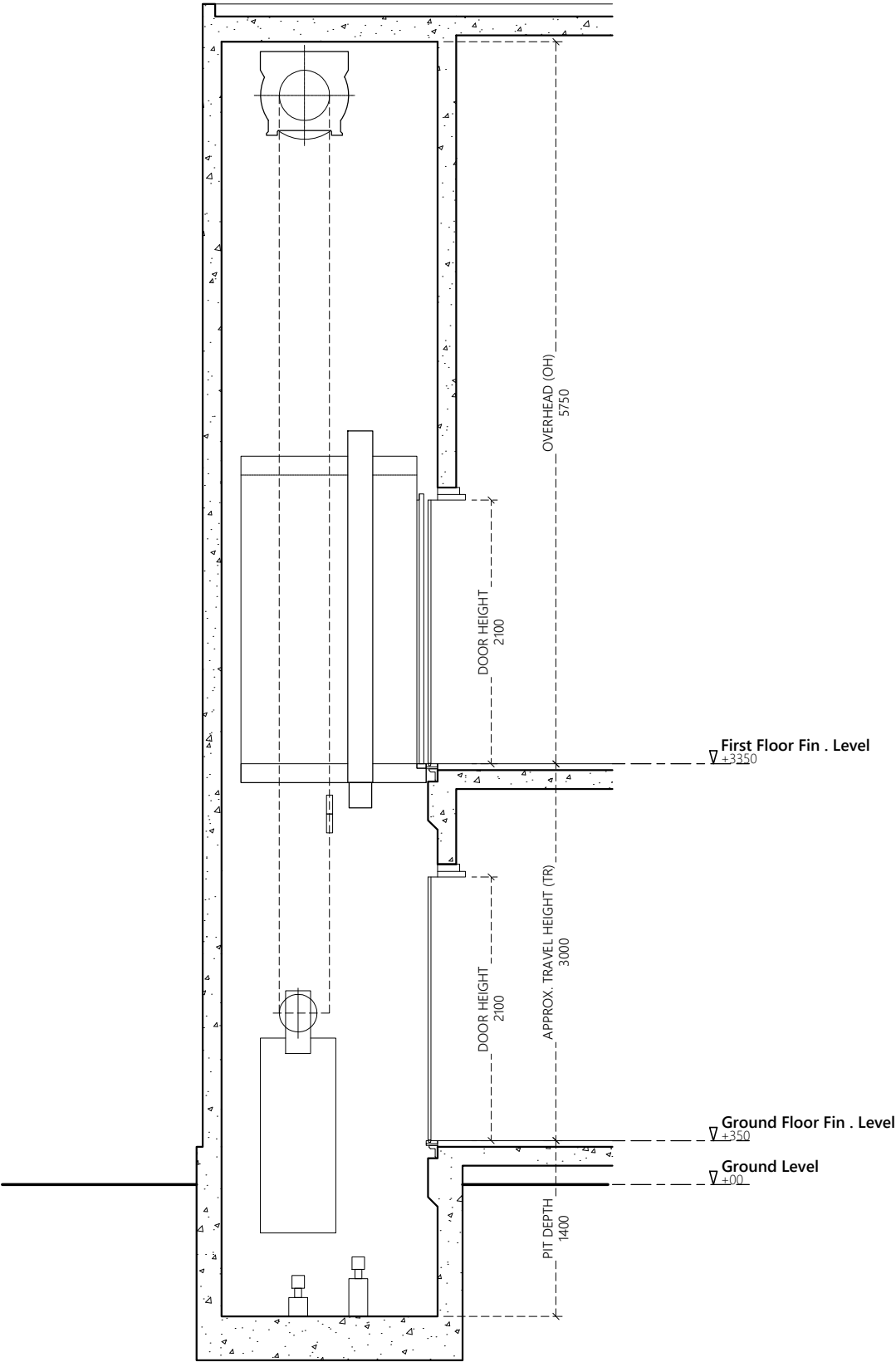
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LIFT HOISTWAY PLAN
1:50

TYPE	No. OF PERSONS	RATED SPEED (m/s)	ENTRANCE WIDTH (JJ)	HOISTWAY DIM. (mm) (X x Y)	OH (mm)	PIT DEPTH
MITSUBISHI MACHINE ROOM LESS LIFT (OR EQUIVALENT)	6	1.0	800	1550X1740	3650	1400

LIFT SPECIFICATION
1:50



SECTION Y-Y
1:50

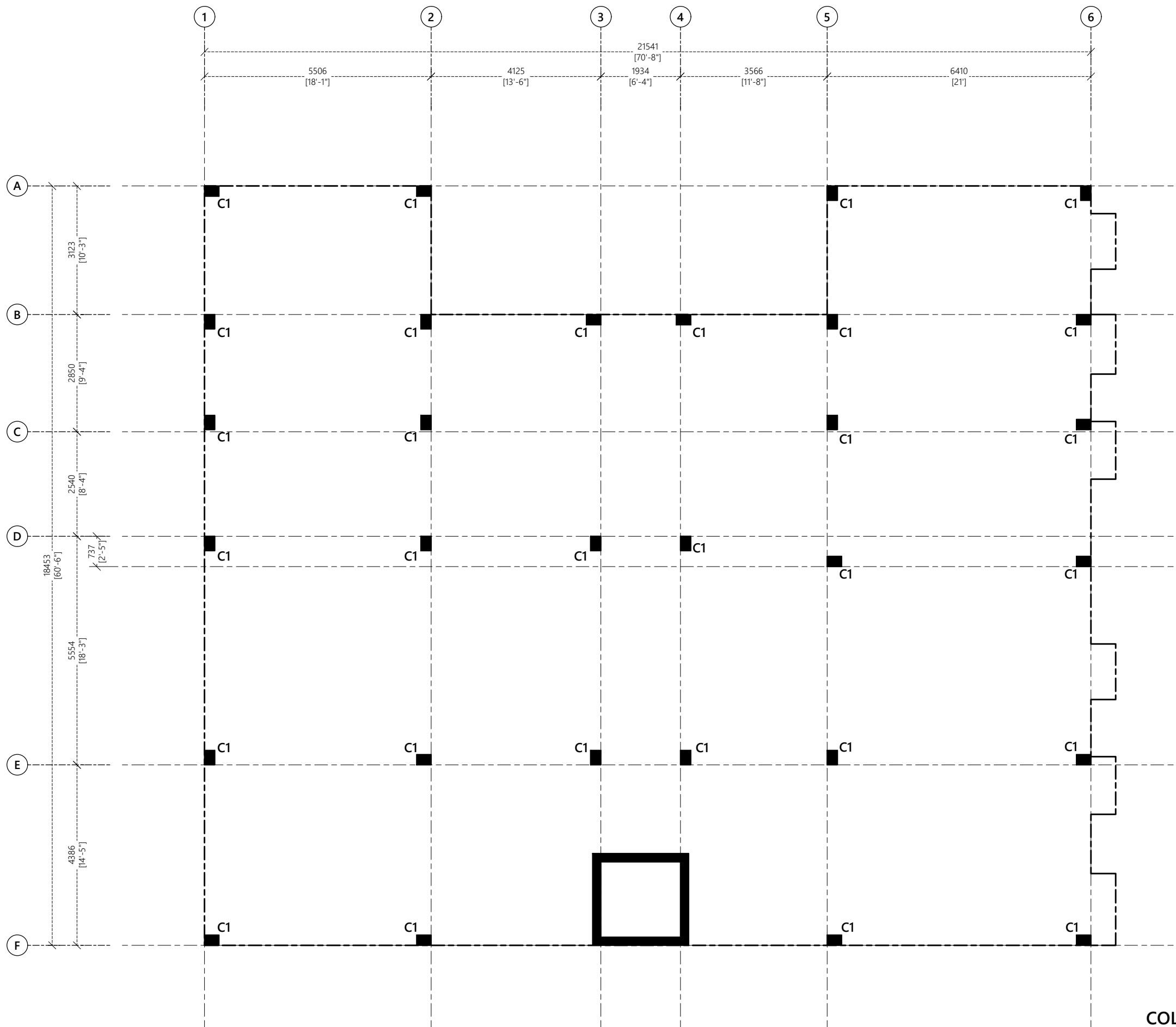
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COLUMN SETTING OUT PLAN

1:100

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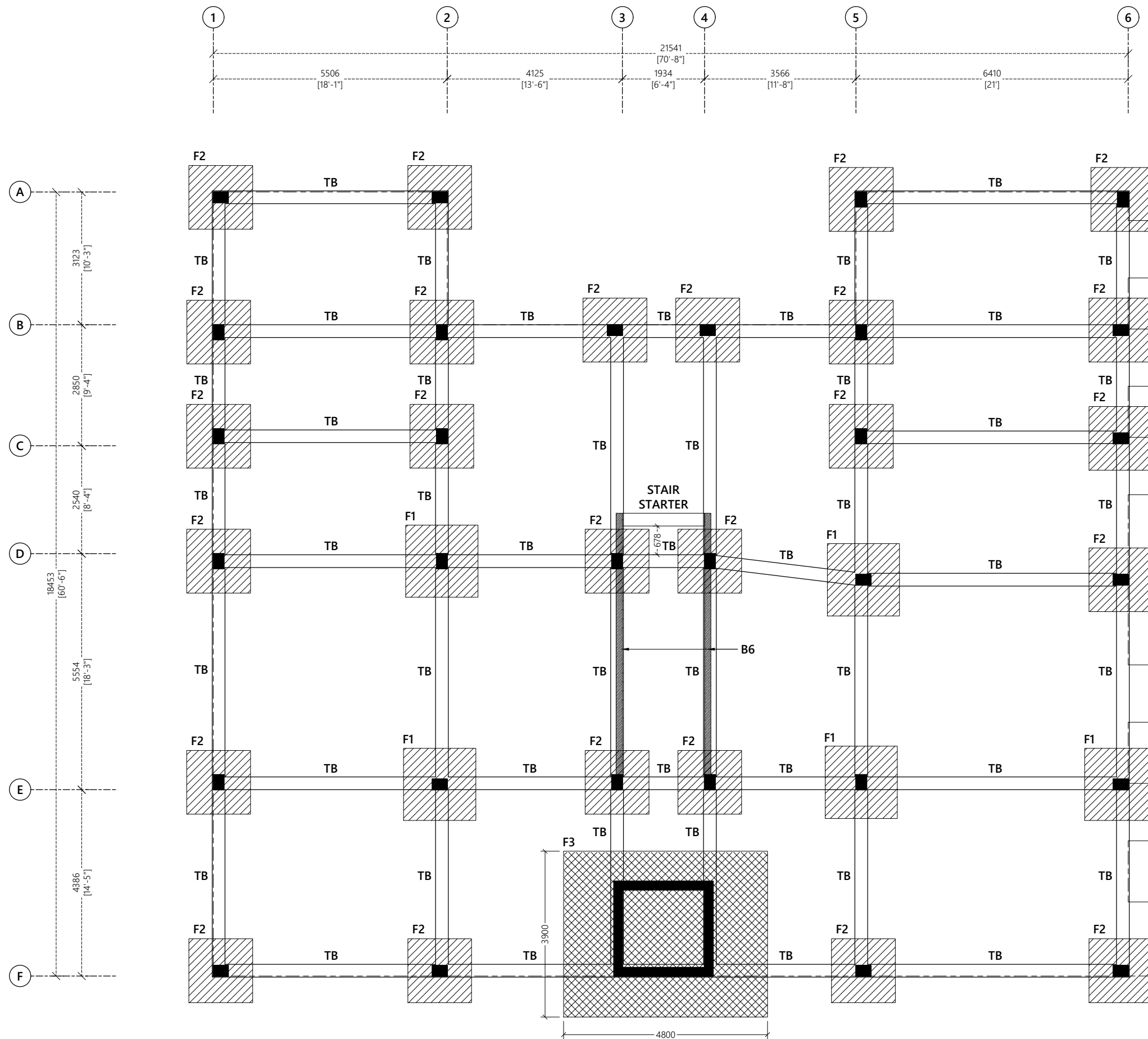
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---	S.1.01
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Notes:
FOUNDATION DEPTH = 1200mm
F1 - 1700x1700x350 - T12@150C/C B/W (B)
F2 - 1500x1500x350 - T12@150C/C B/W (B)
F3 - 4800x3900x450 - T12@200C/C B/W (T&B)

FOUNDATION PLAN

1:100

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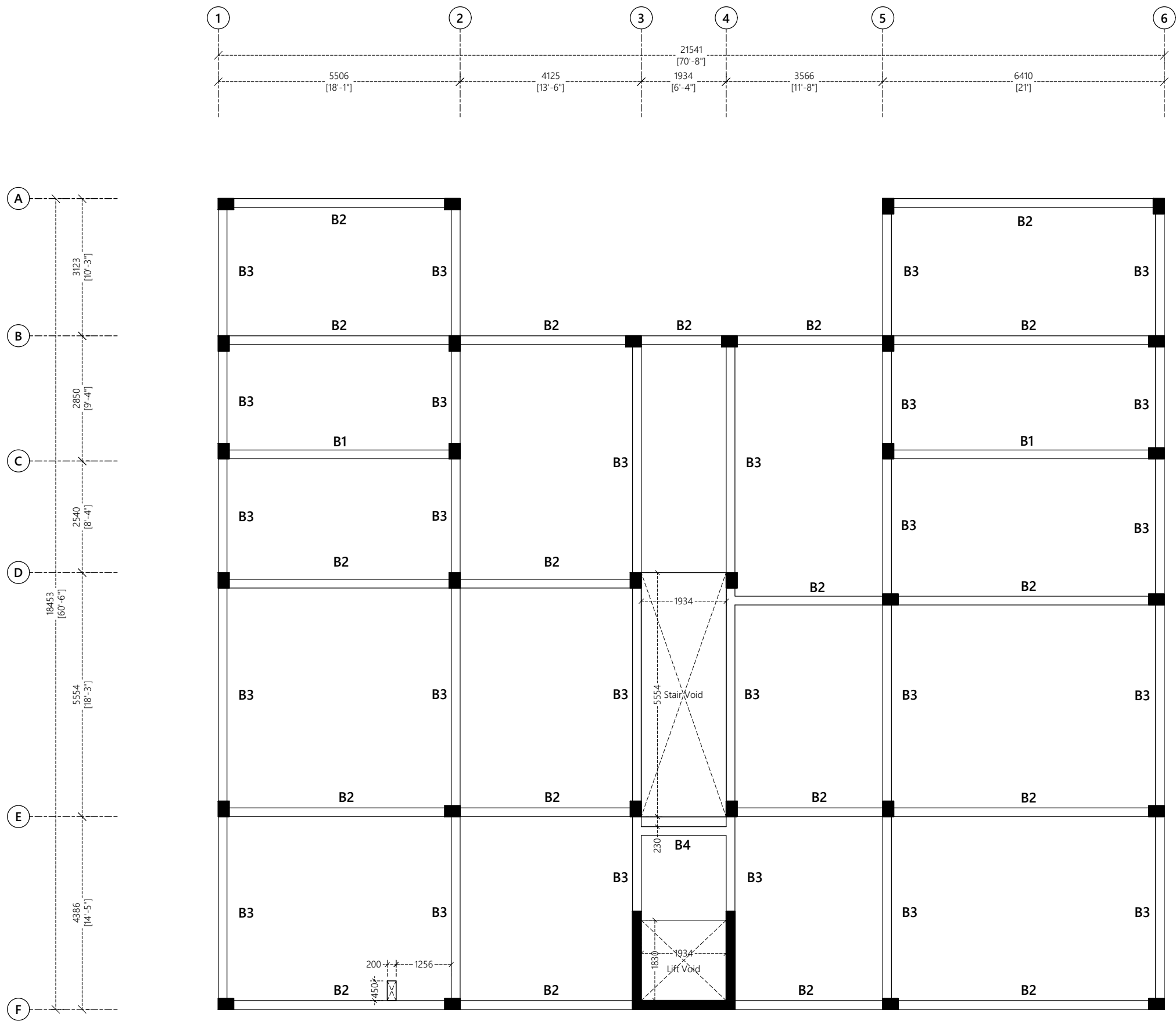
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FIRST FLOOR BEAM LAYOUT

1:100

PROPOSED 02 STOREY BUILDING AT
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CENTER FOR HOLY
QUR'AN
Client:
Ministry of Islamic Affairs

October 2019

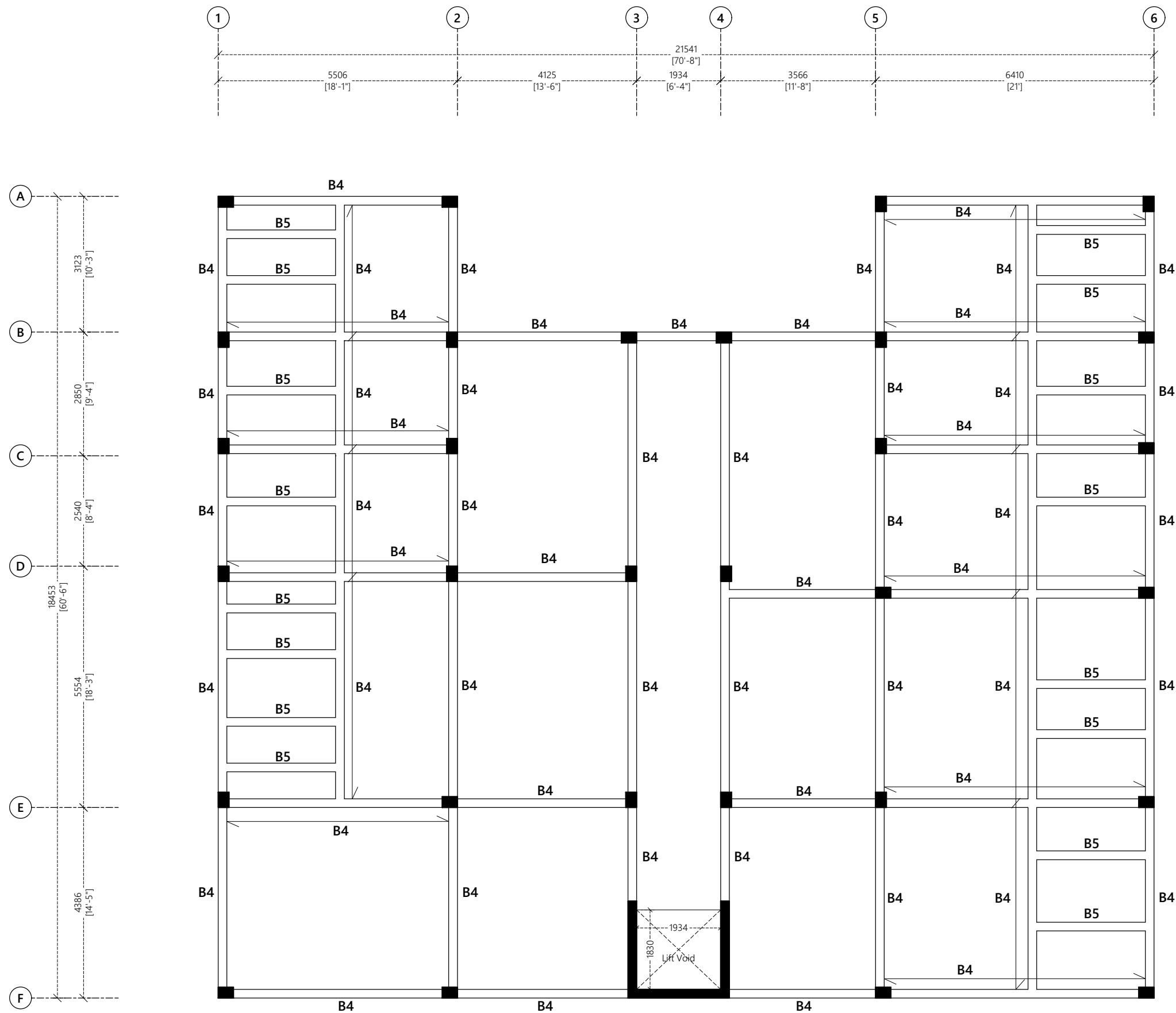
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Engineer: Ihsaan Waheed
Drawn By: Fathmath Ihudha Amir



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ROOF 1 LEVEL BEAM PLAN

1:100

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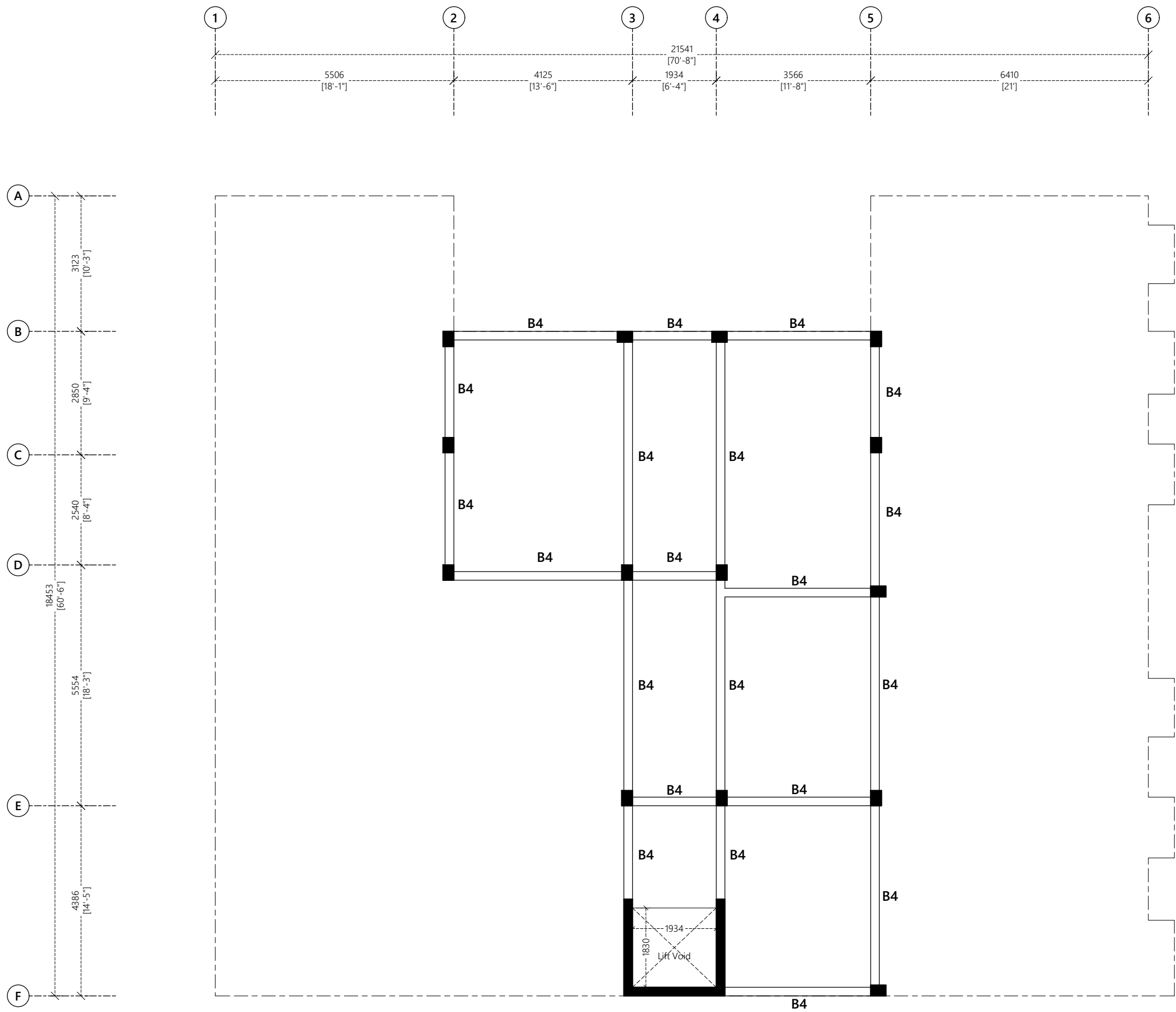
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 Drawn By: Fathmath Ihudha Amir



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ROOF 2 LEVEL BEAM PLAN

1:100

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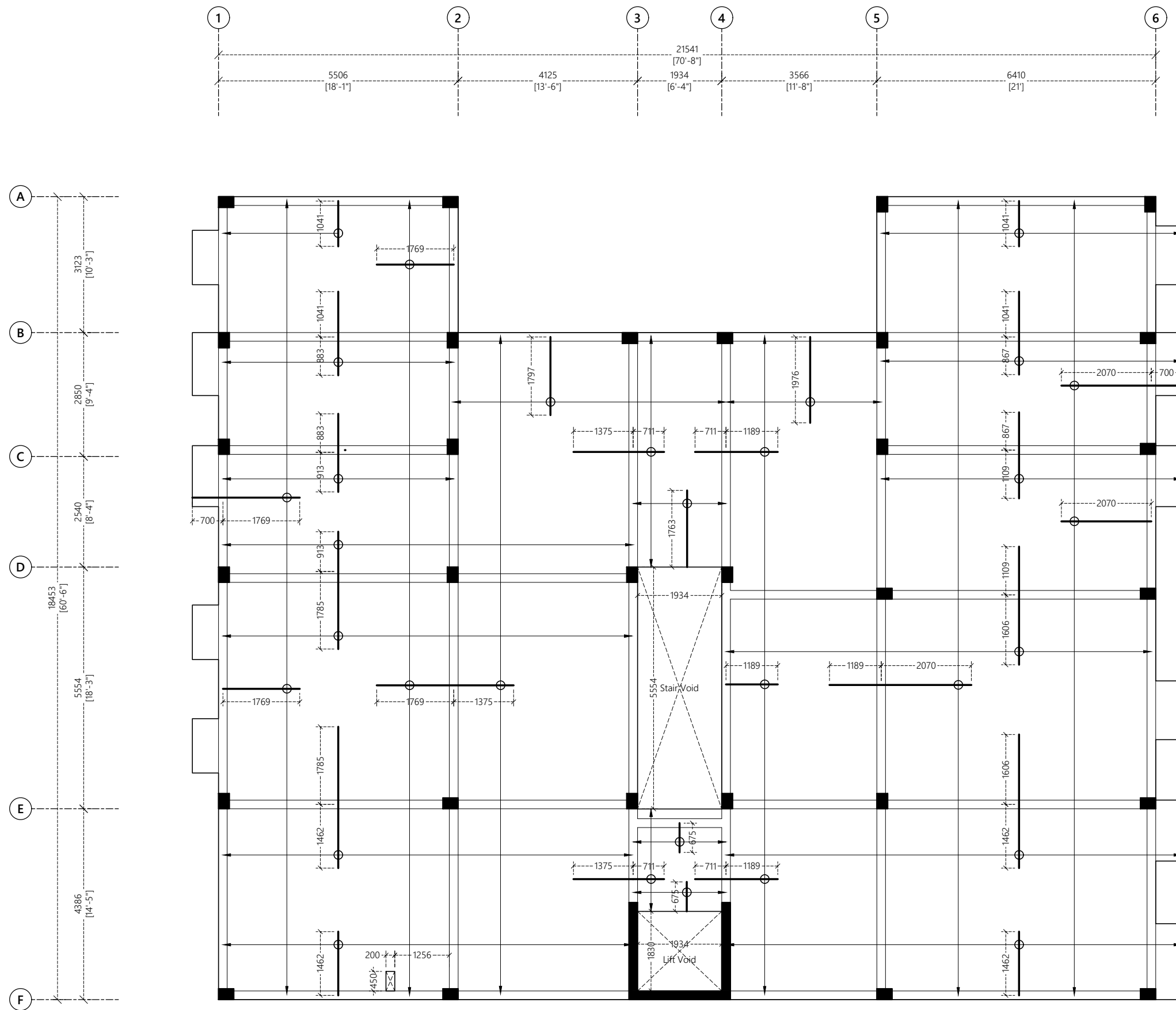
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Note:

165mm Thick Slab

Bottom Reinf. - T10@150 c/c b/w (not shown)
 Top Reinf. - T10@150 c/c (not shown)
 Top dist. steel - T10@250c/c b/w (not shown)
 Corner bars - 3T10@45 c/c (as shown)

FIRST FLOOR SLAB REINFORCEMENT PLAN

1:100

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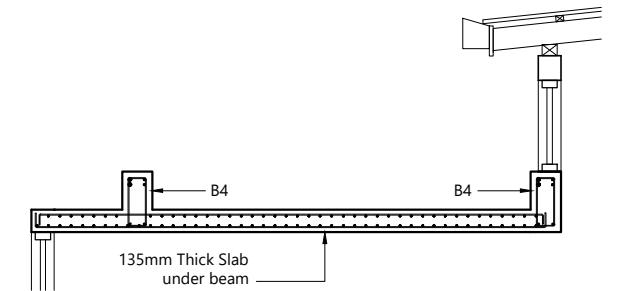
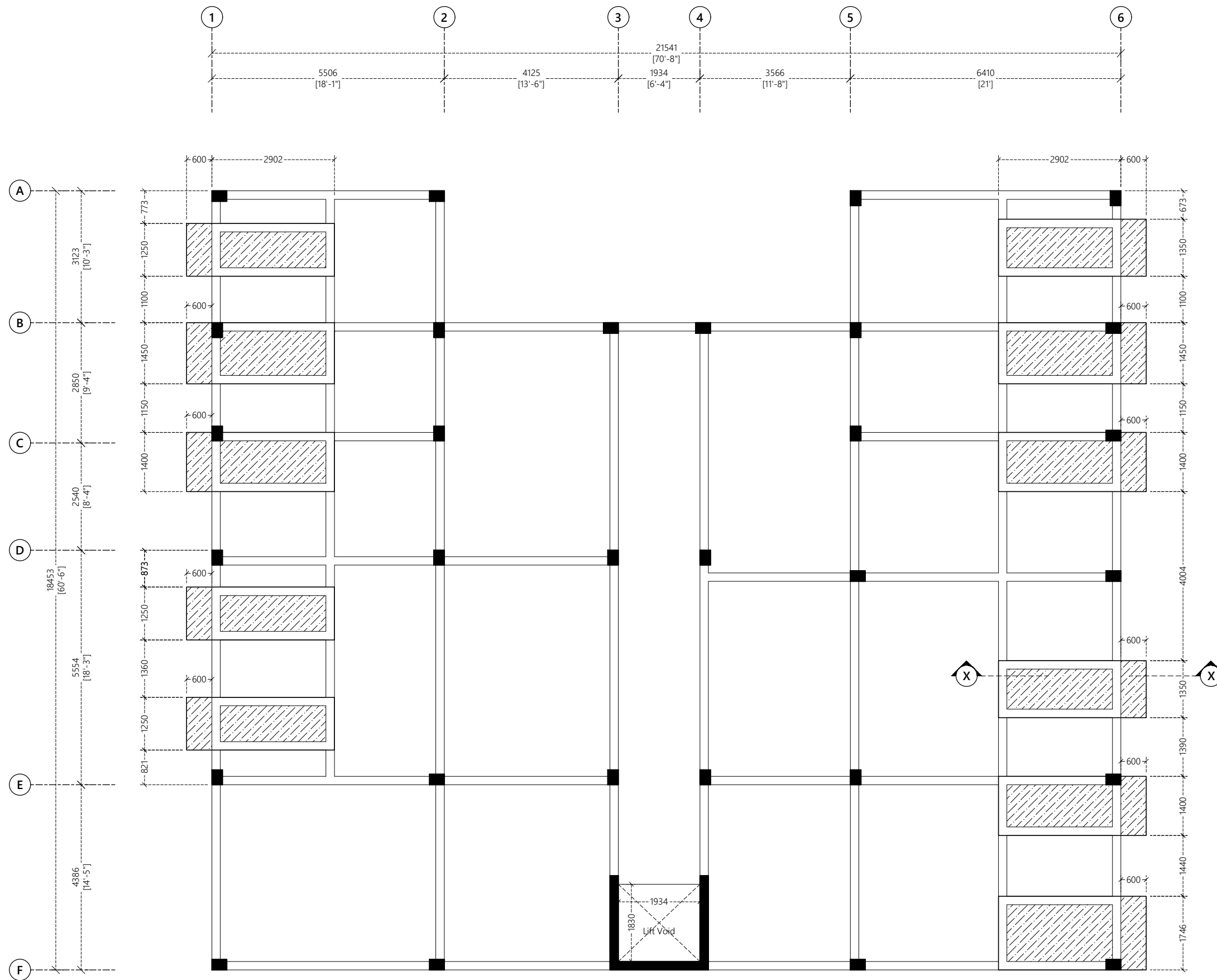
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 Engineer: **Ihsaan Waheed**
 Drawn By: **Fathmath Ihudha Amir**

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SECTION X-X
1:100

Note:
135mm Thick Slab under beam at 6.3m from Ground Level
Reinf. - T10@200 c/c b/w T & B (not shown)

ROOF 1 SLAB REINFORCEMENT PLAN

1:100

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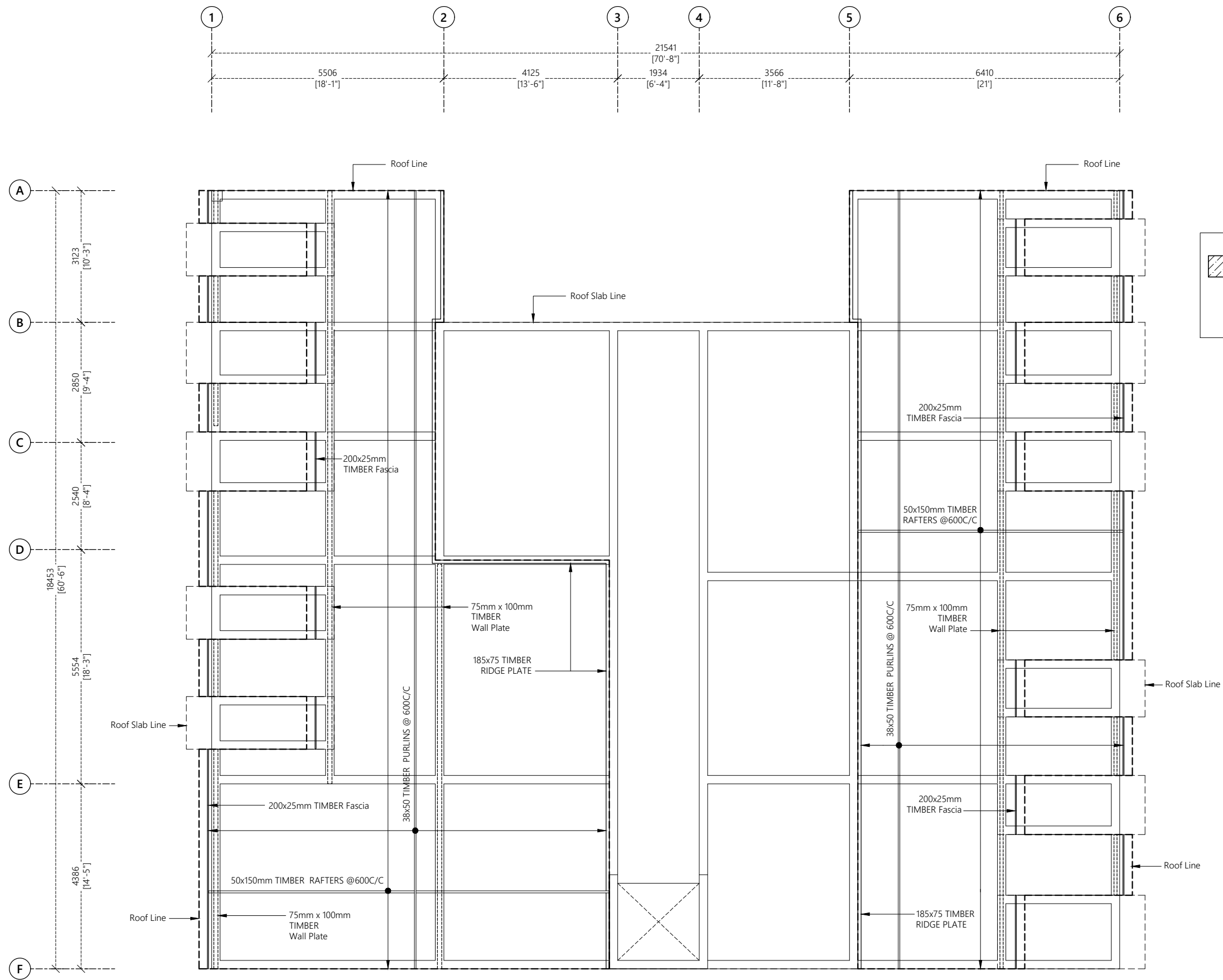
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ROOF 1 FRAMING PLAN

1:100

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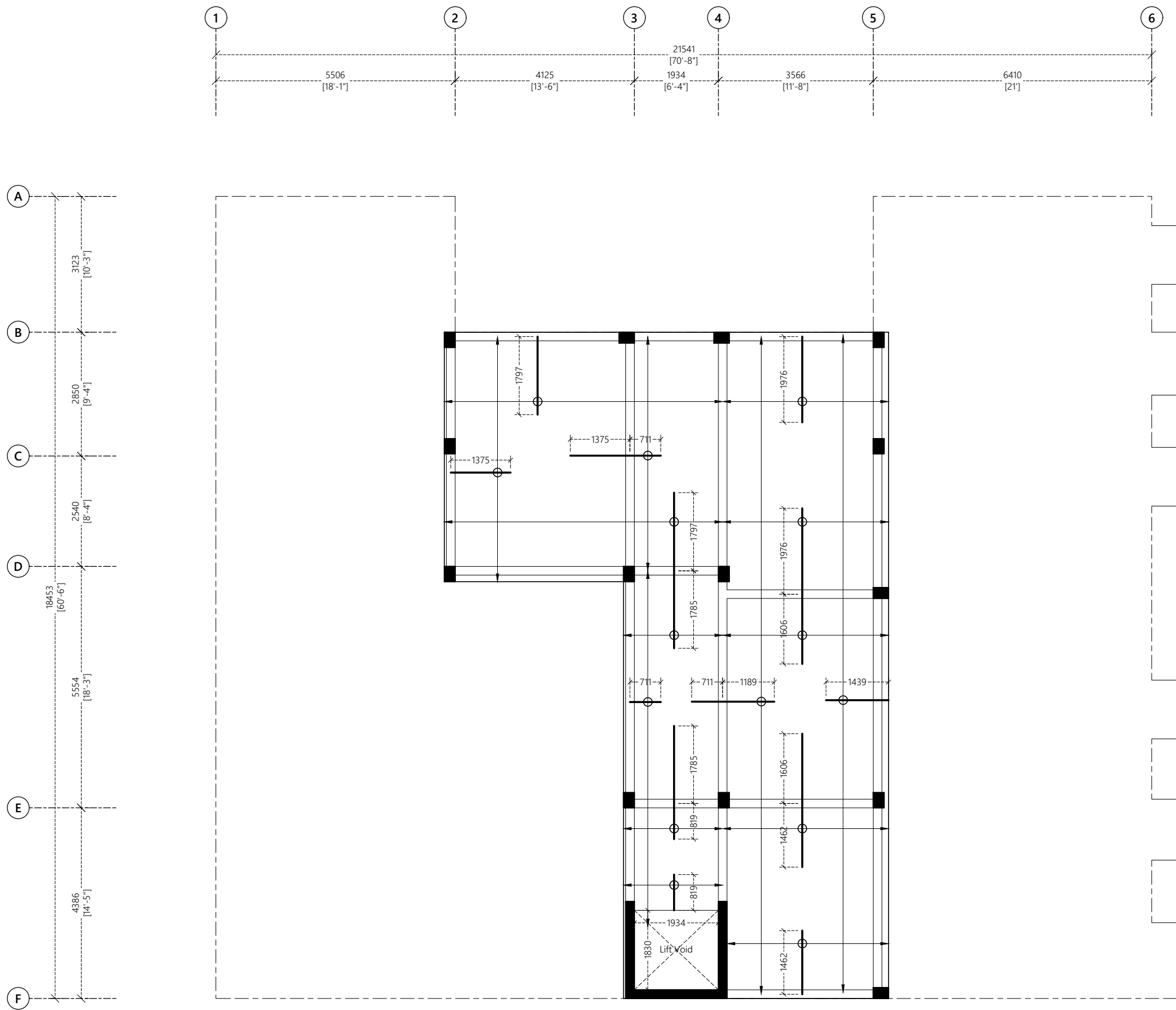
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Note:
135mm Thick Slab
Bottom Reinf. - T10@150 c/c b/w (not shown)
Top Reinf. - T10@150 c/c (not shown)
Top dist. steel - T10@250c/c b/w (not shown)
Corner bars - 3T10@45 c/c (as shown)

ROOF 2 SLAB REINFORCEMENT PLAN

1:100

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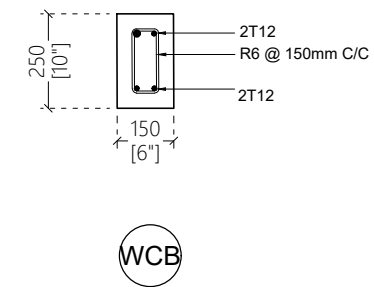
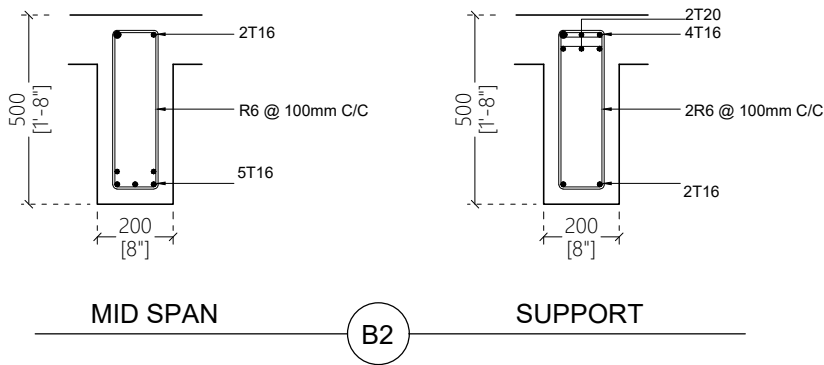
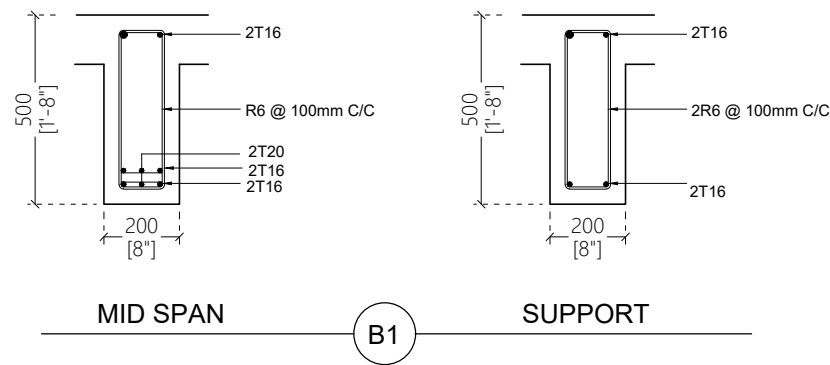
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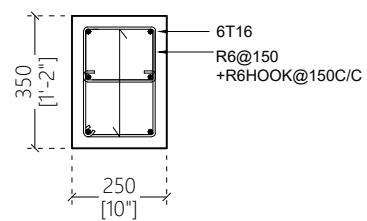
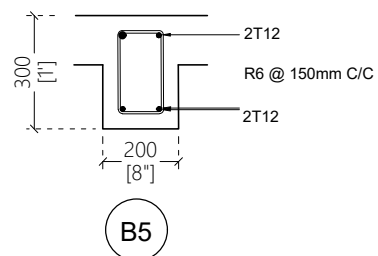
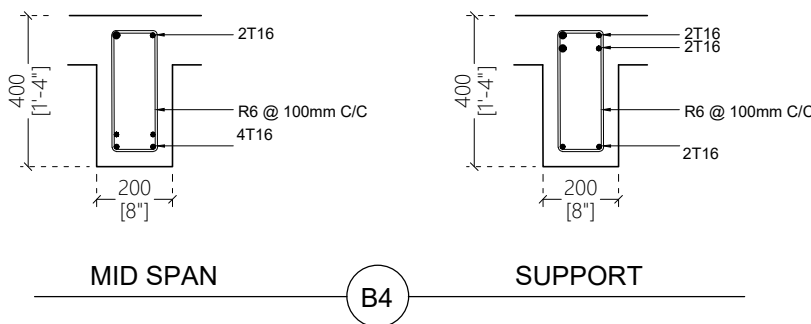
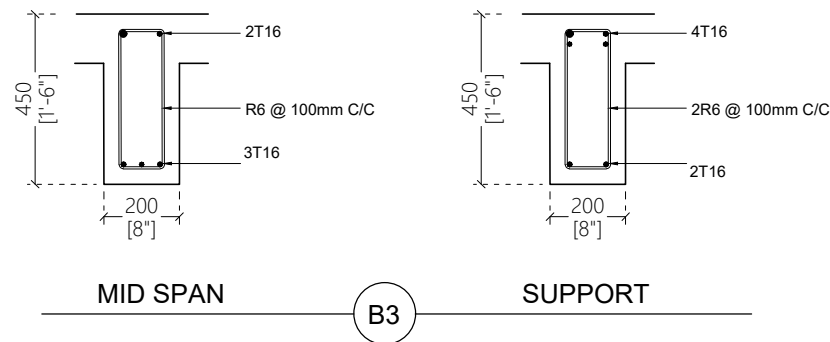


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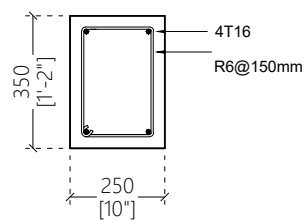
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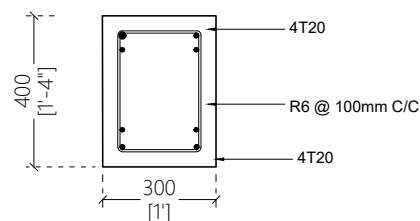
WALL CAST BEAM CAST ON TOP OF THE WALL



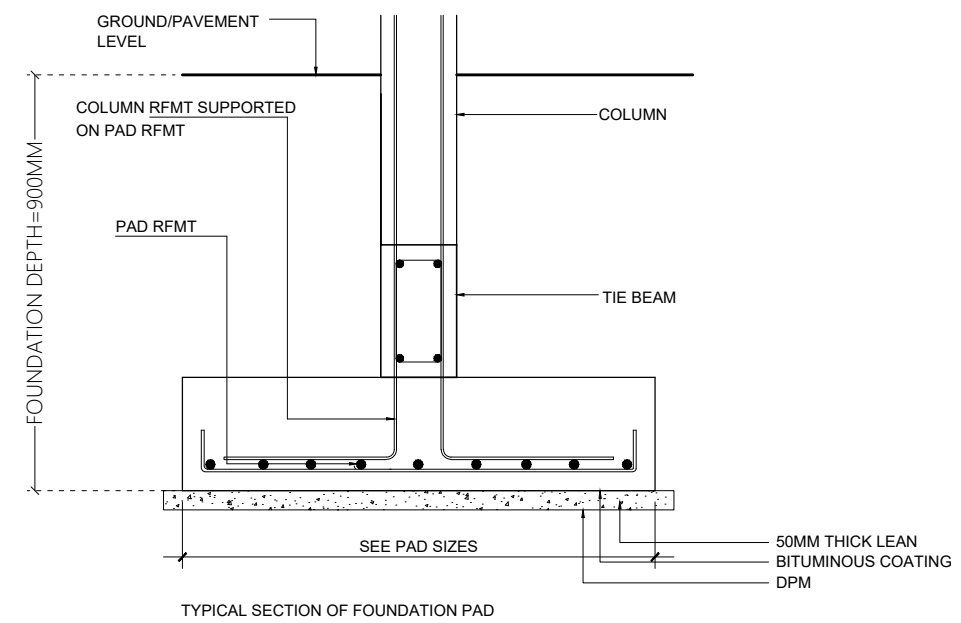
UPTO ROOF 1 LEVEL



ABOVE ROOF 1 LEVEL



TB



STRUCTURAL DETAILS

1:20

PROPOSED 02 STOREY BUILDING AT
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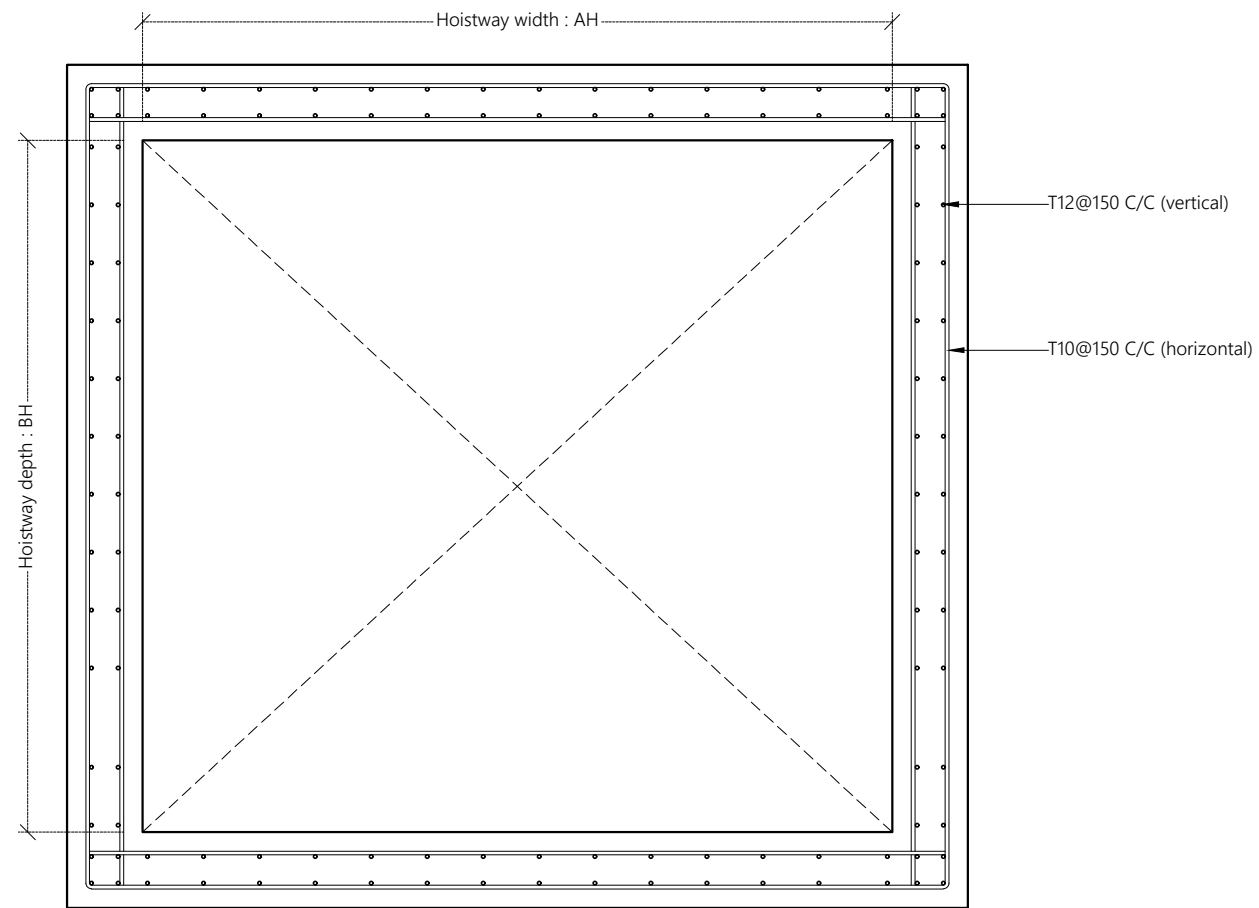
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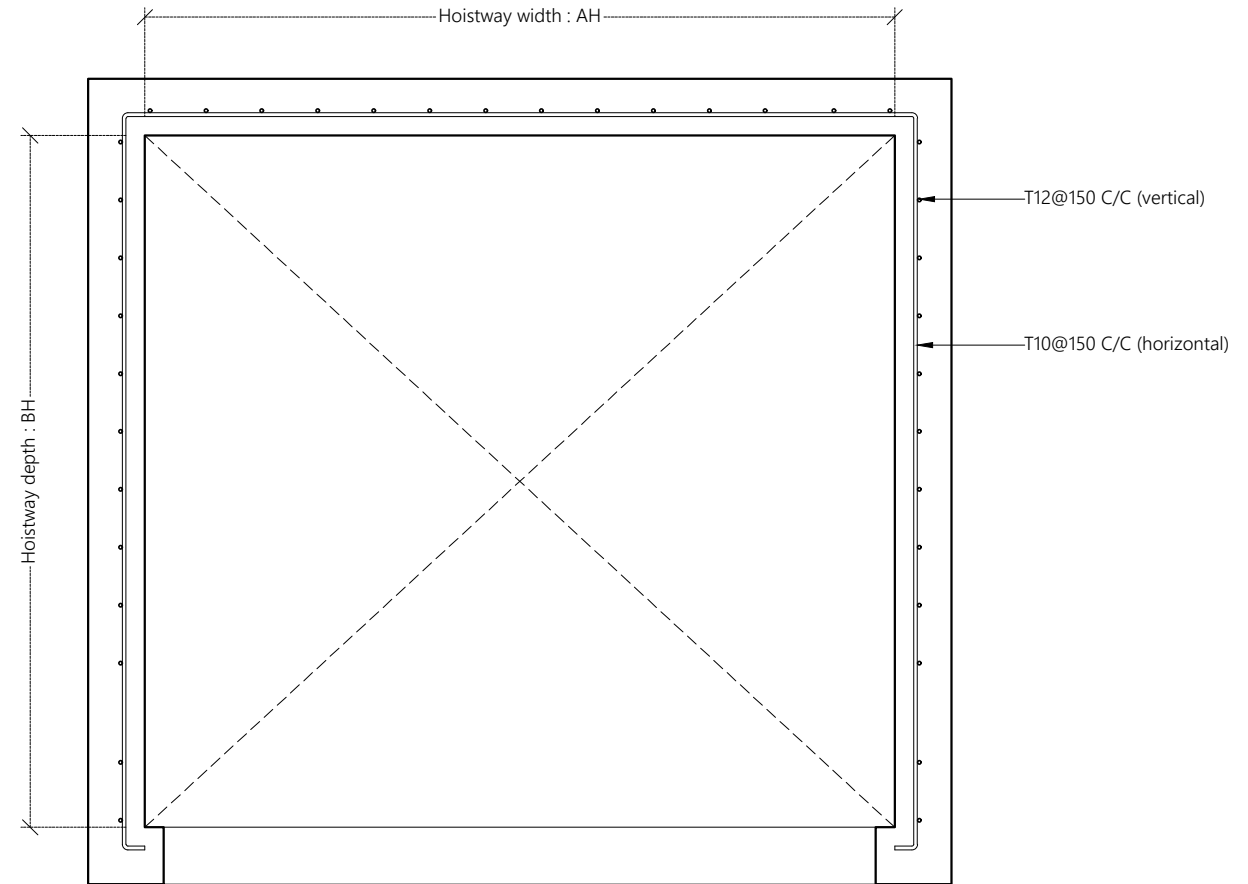
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PLAN VIEW (BELOW GROUND)

1:20



PLAN VIEW (ABOVE GROUND)

1:20

LIFT REINFORCEMENT PLAN

1:20

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