


Architectural and Structural Drawings

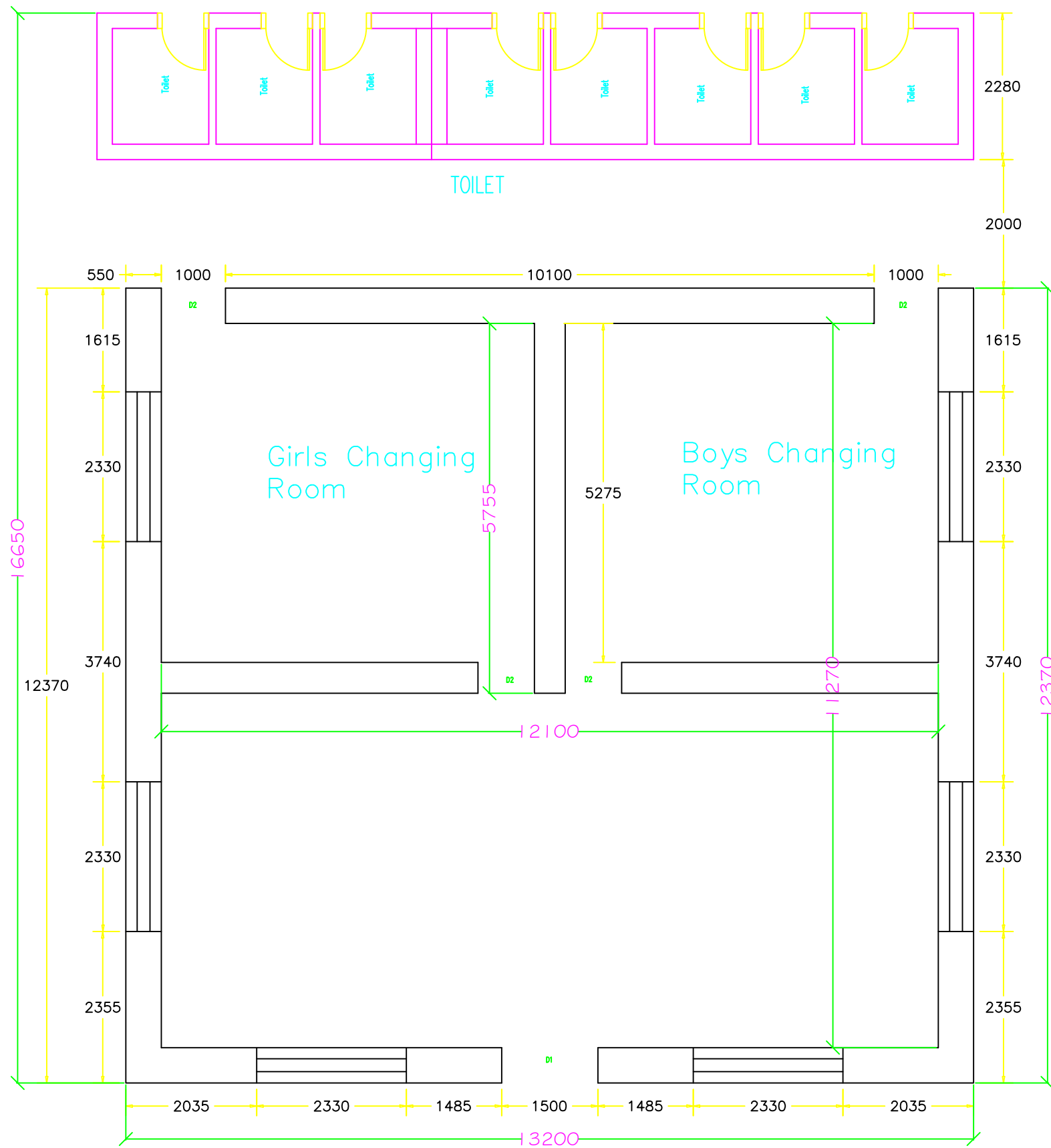
Name of Work: Construction of Changing Room

Name of College: Gedu College of Business Studies, Gedu

Location: Gedu, Chukha

ALL DIMENSIONS ARE IN MILLIMETER

ISSUED FOR:				Ugyen Thinley (RUB) Engineer OVC:RUB			PROJECT: RGoB FUNDED PROJECT	DATE: January 2019	DRAWING NO.: 00	RIV 0	
1	APPROVAL										
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TOILET

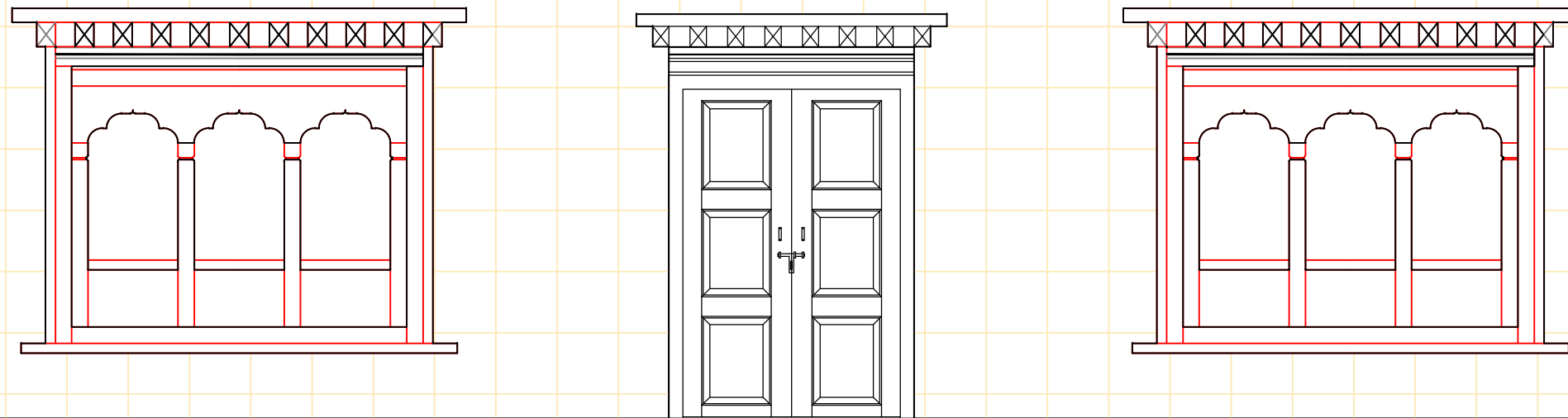
Girls Changing Room

Boys Changing Room

PLAN

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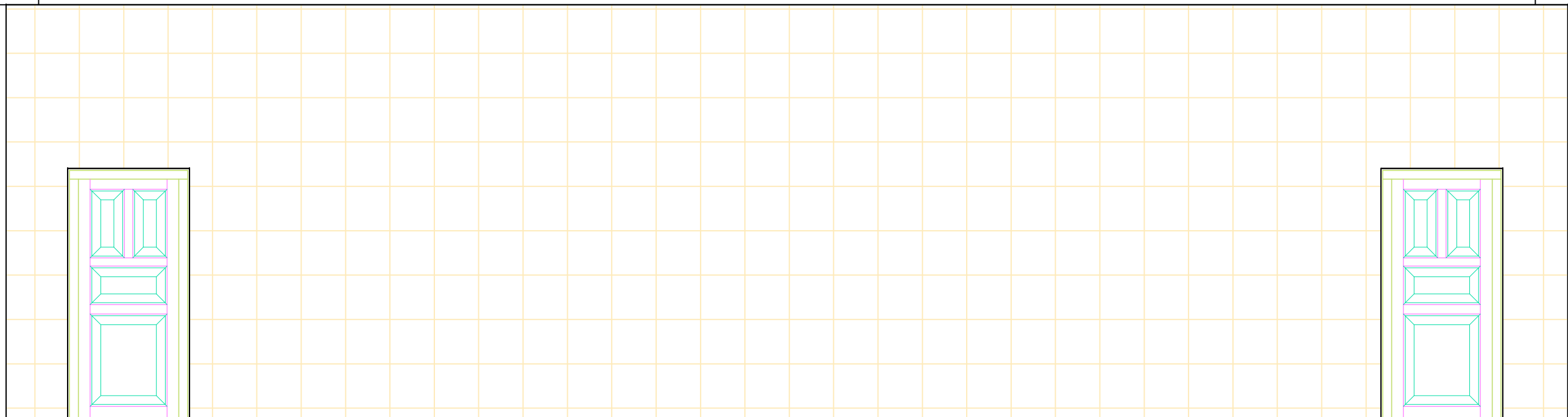


FRONT ELEVATION

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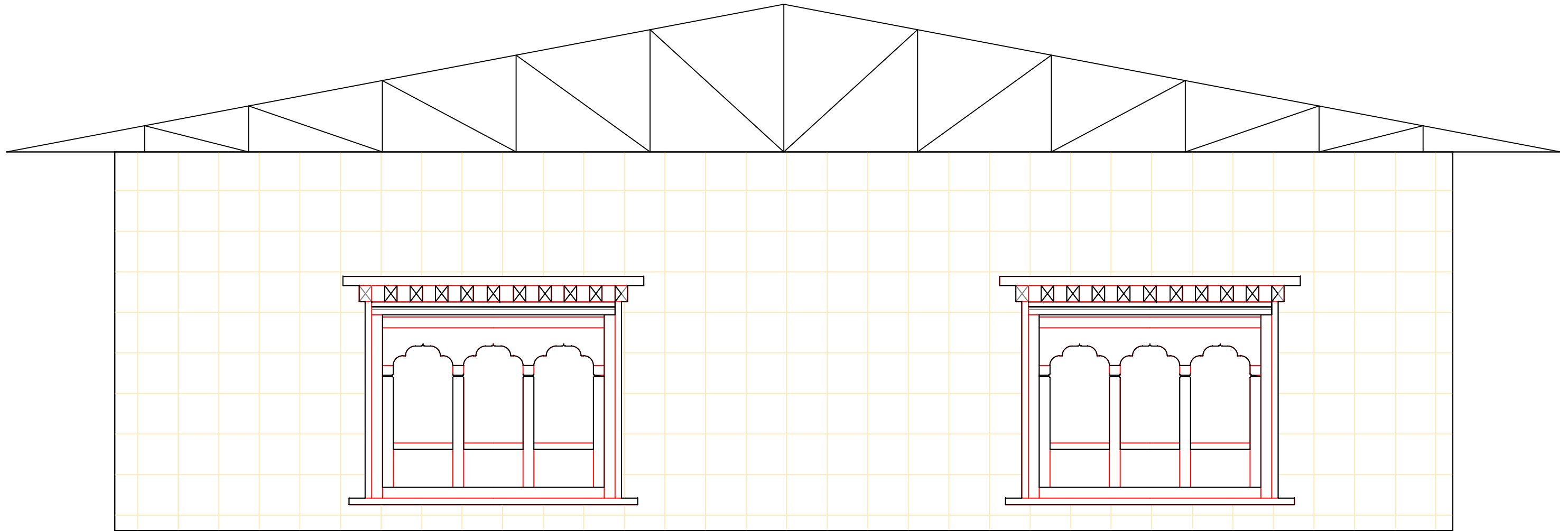
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BACK ELEVATION



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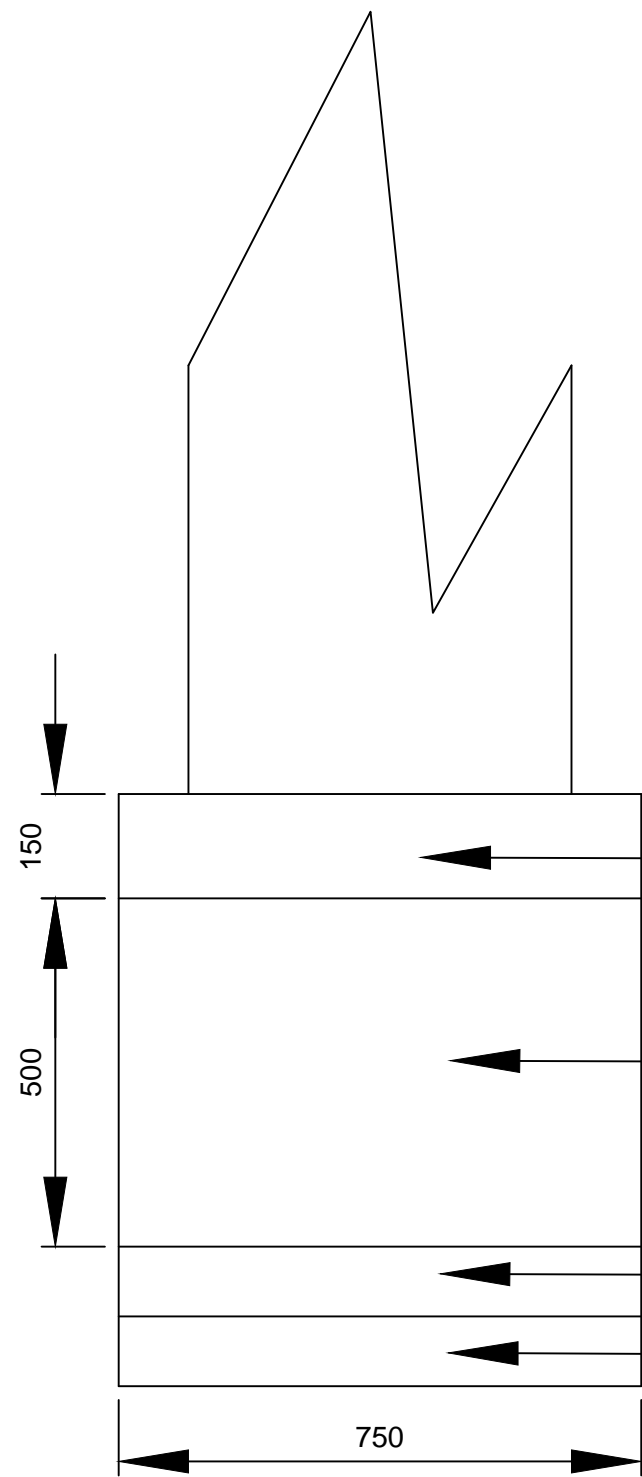
SIDES ELEVATION

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Ugyen Thinley (RUB)
Engineer
OVC:RUB

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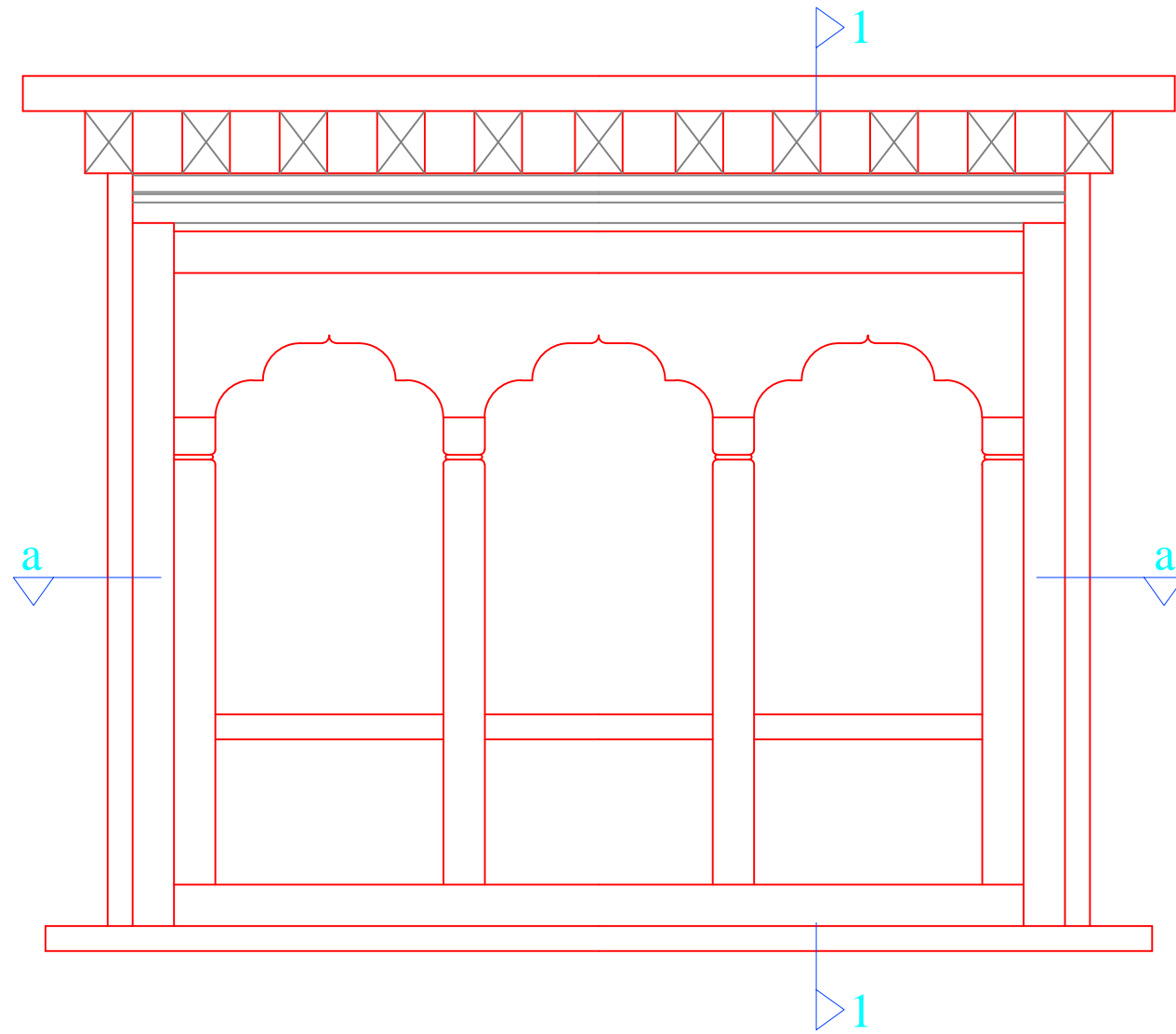
PCC 1:5:10 with 40mm aggregate.

RRM with hard stone in 1:6 cm in plinth

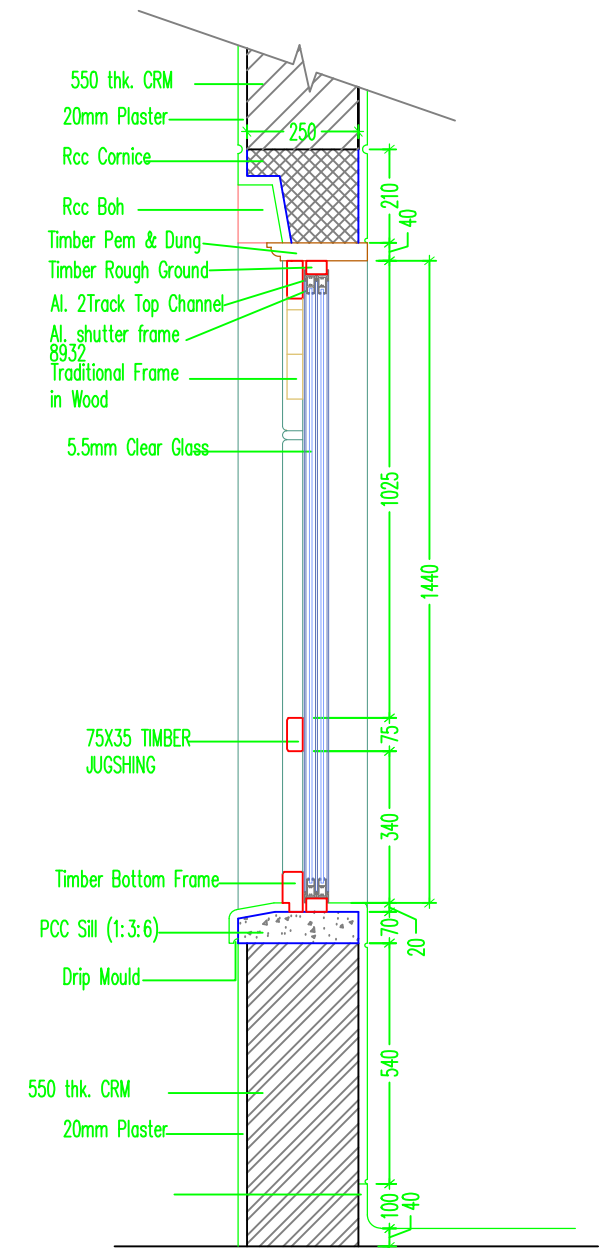
150 mm PCC
150 mm soling

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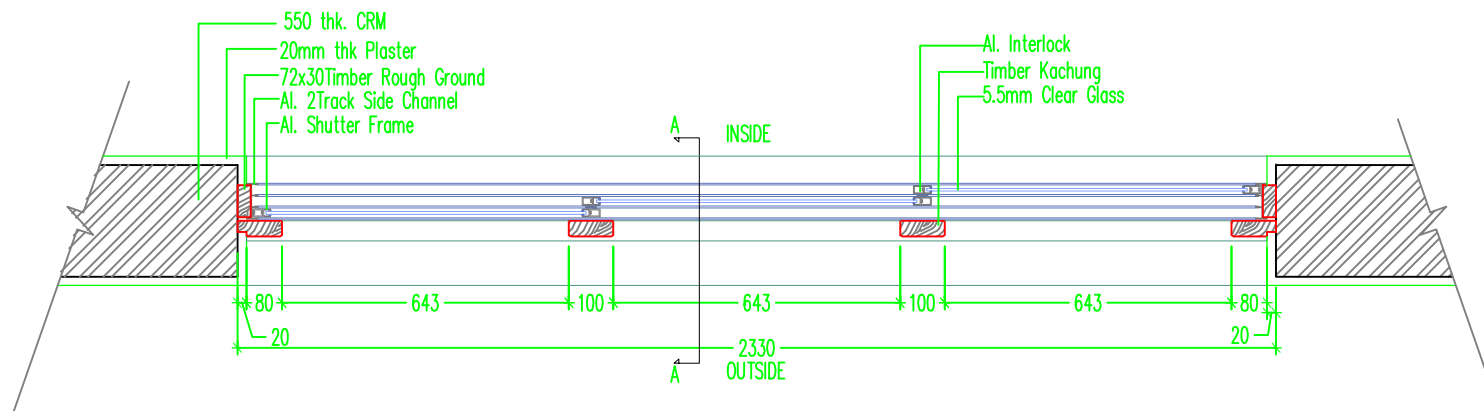
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ELEVATION



SECTION I-I



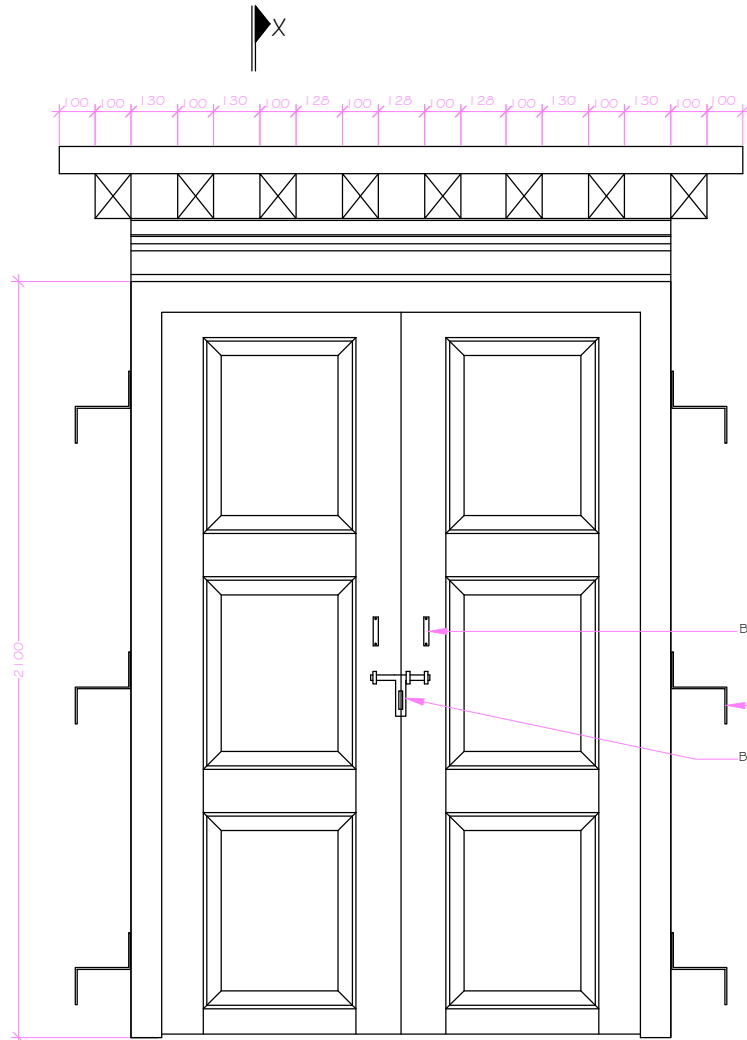
PLAN
(Window - W)

ALL DIMENSIONS ARE IN MM

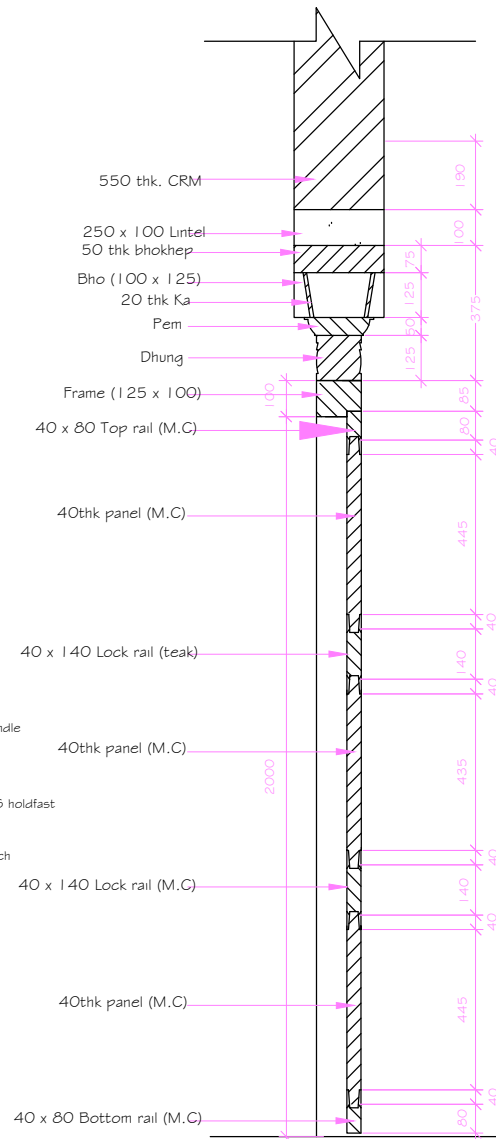
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Ugyen Thinley (RUB)
Engineer
OVC:RUB

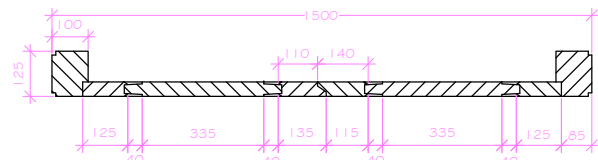
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ELEVATION

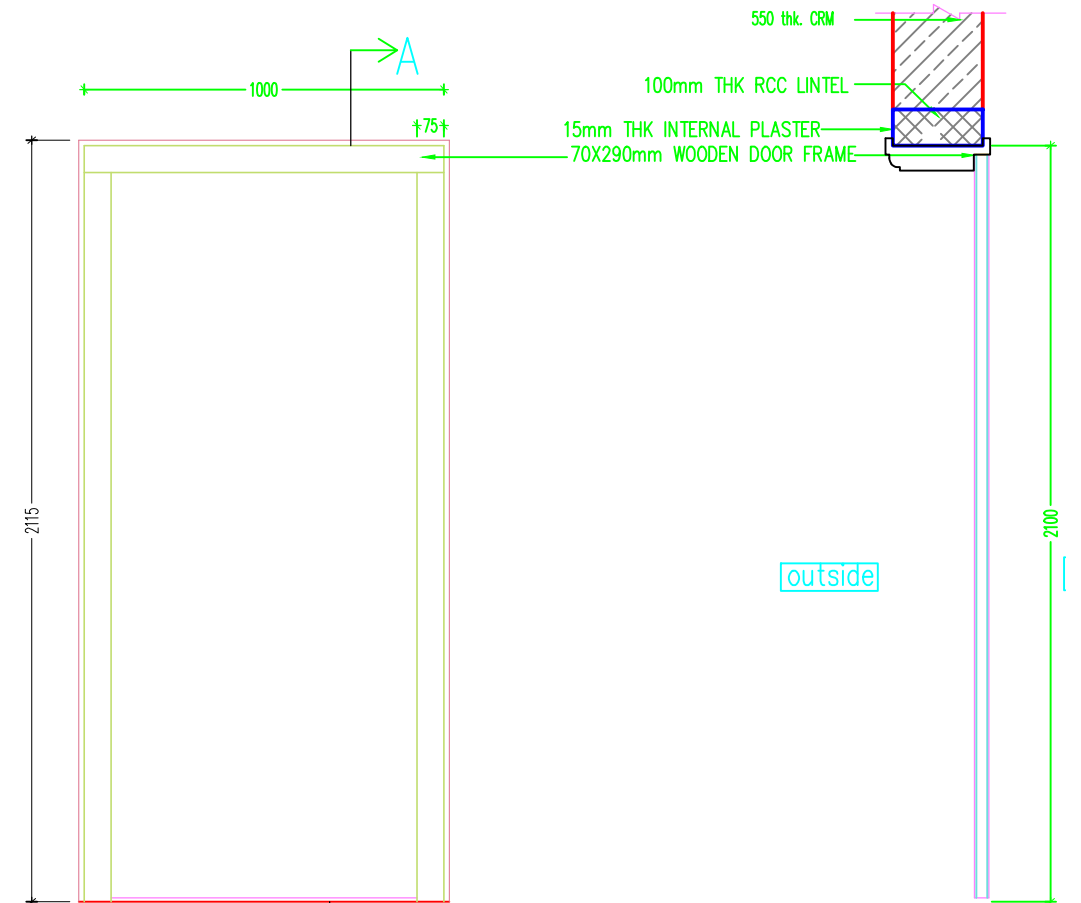


SECTION - XX



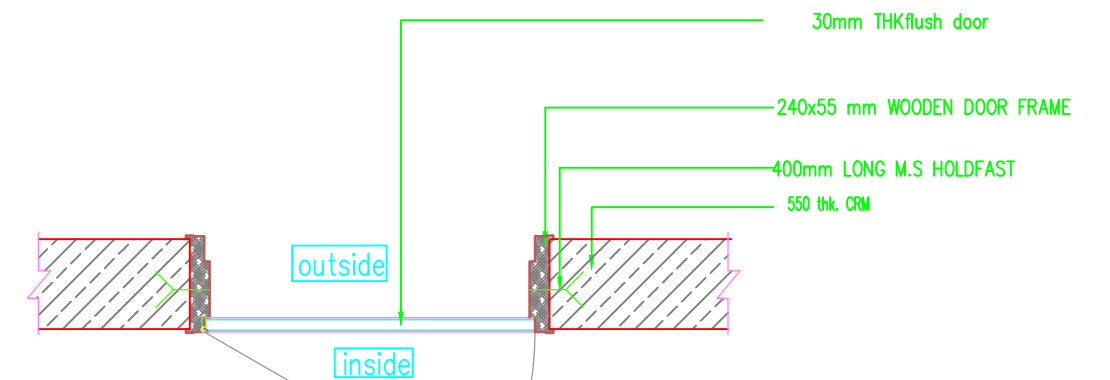
PLAN
(Door - D1)

NOTE:
All timber used is Teak wood.
Three nos. of MS holdfast in each door frame.



ELEVATION

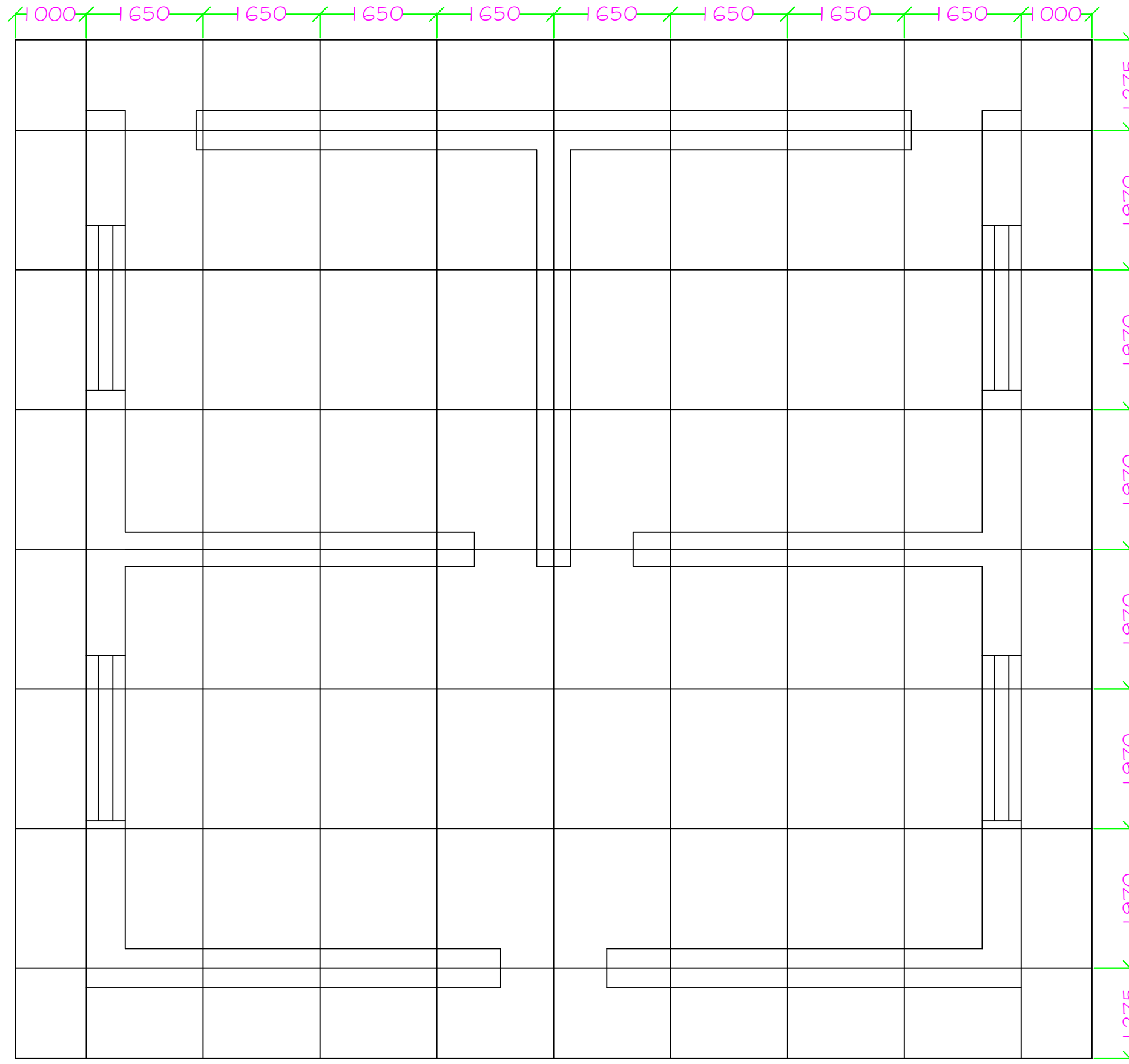
SECTION A



PLAN -D2

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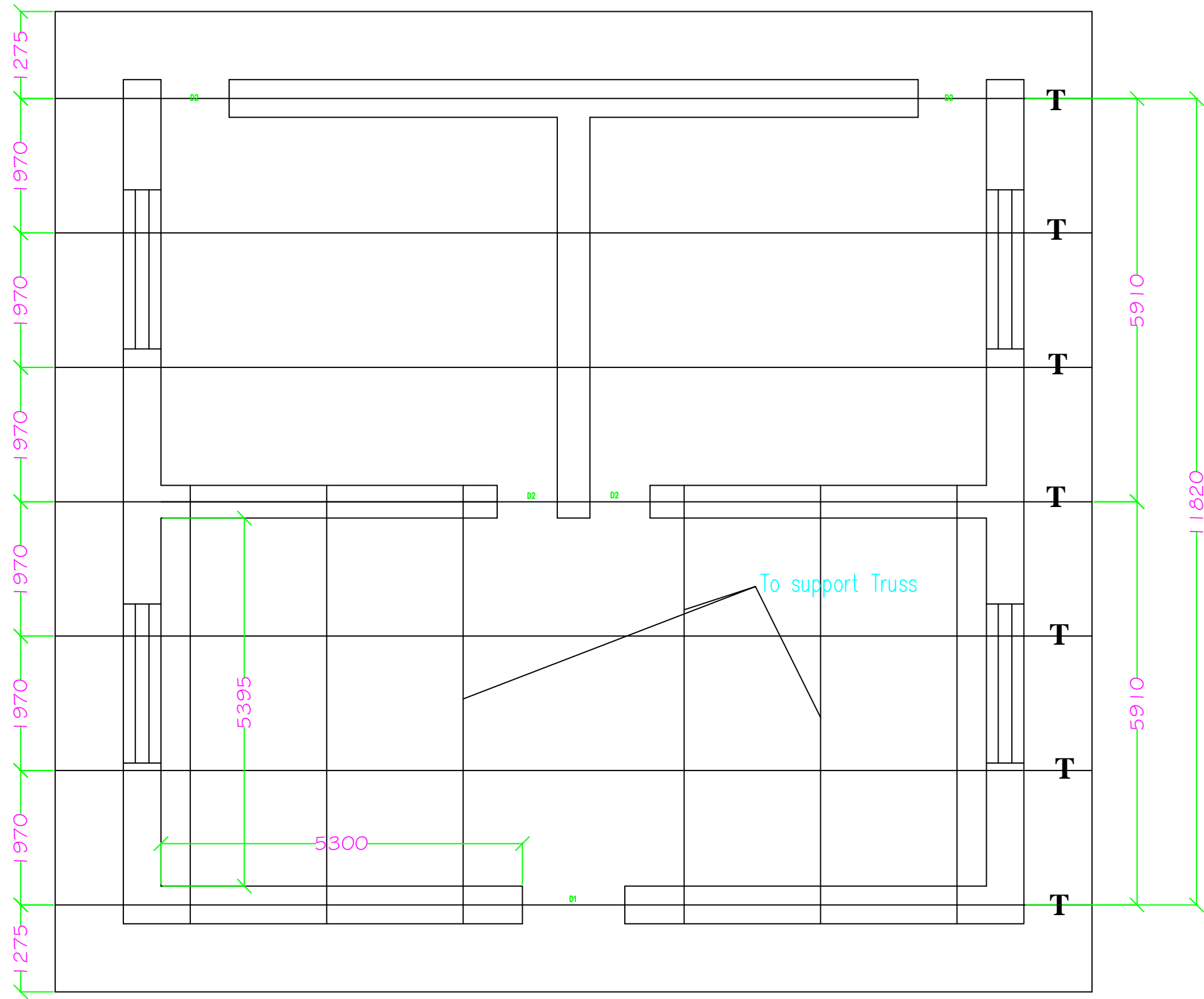
CEILING LAYOUT

ALL DIMENSIONS ARE IN MI

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Ugyen Thinley (RUB)
Engineer
OVC:RUB

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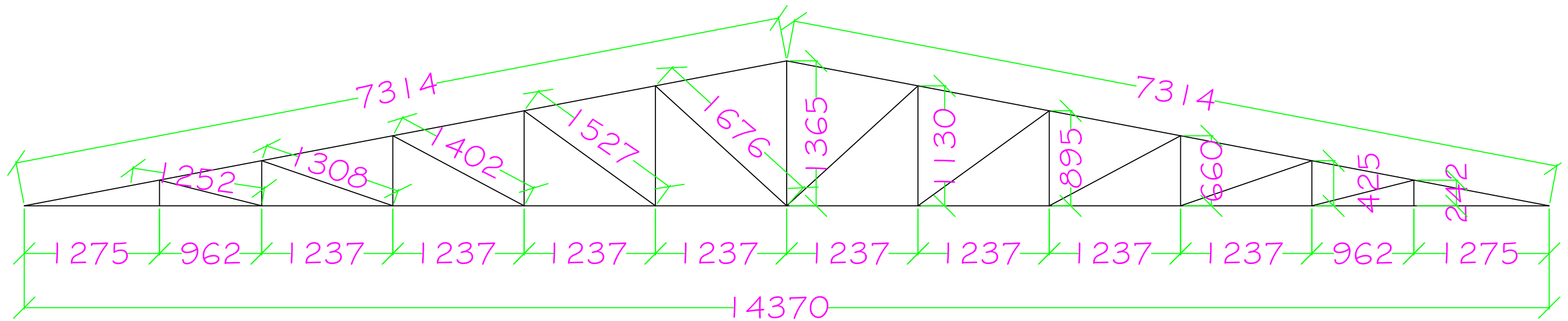
TRUSS LAYOUT

ALL DIMENSIONS ARE IN MI

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Ugyen Thinley (RUB)
Engineer
OVC:RUB

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T DETAILS

Notes:

1. All the truss materials are timber
2. The sizes of the truss are:
 - a. Wooden Rafter (top cord) = 100x75mm
 - b. Bottom Chord = 100x75mm
 - c. Wooden Purlins = 50x75mm
 - d. Truss members = 70x70mm
3. Provide roof band of size = 100x100mm
(Anchored with bolts of 12mm dia)

ALL DIMENSIONS ARE IN MI

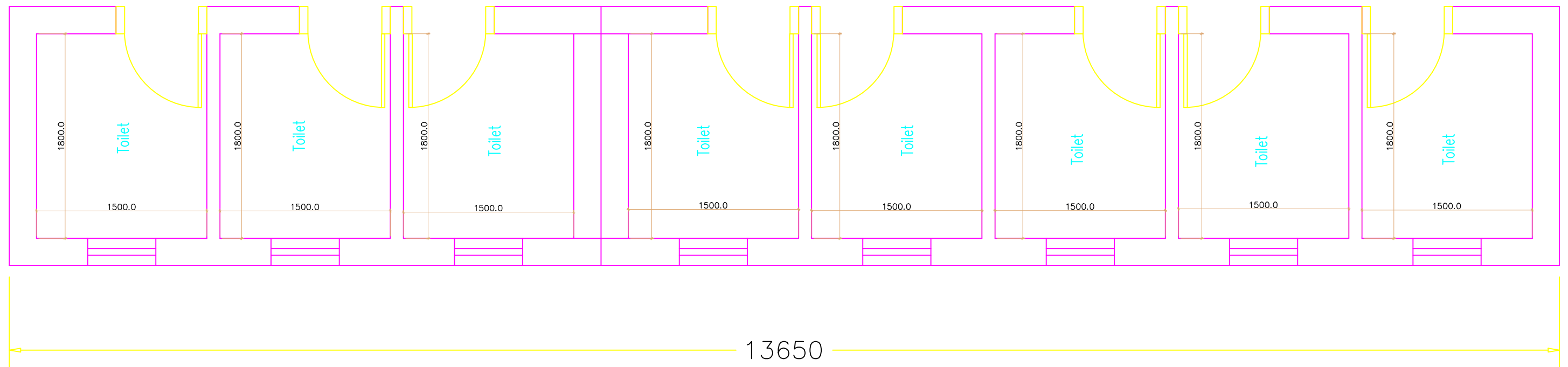
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T O I L E T

D E T A I L S

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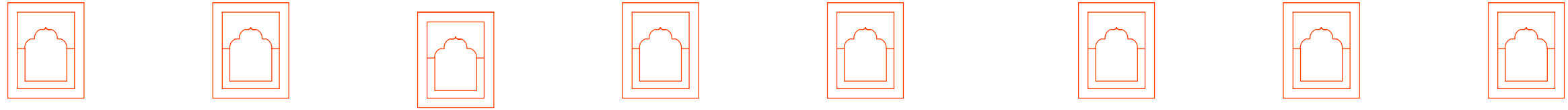
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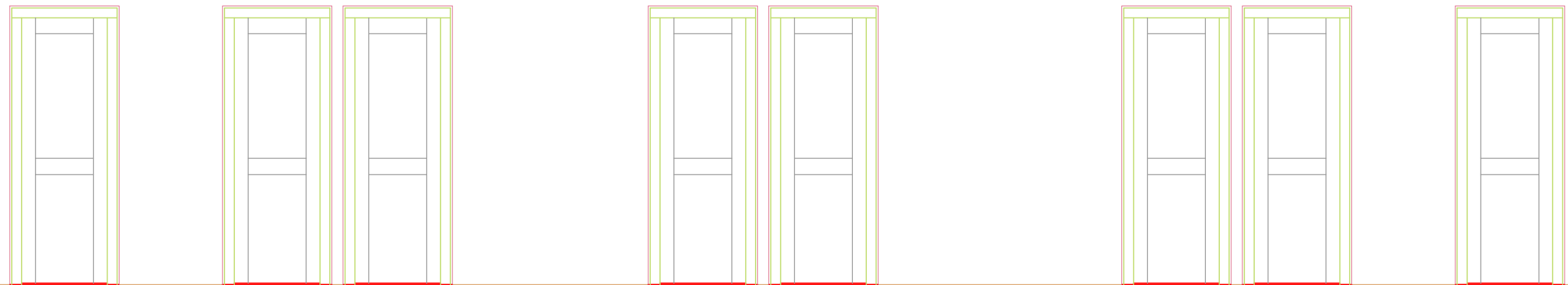
TOILET

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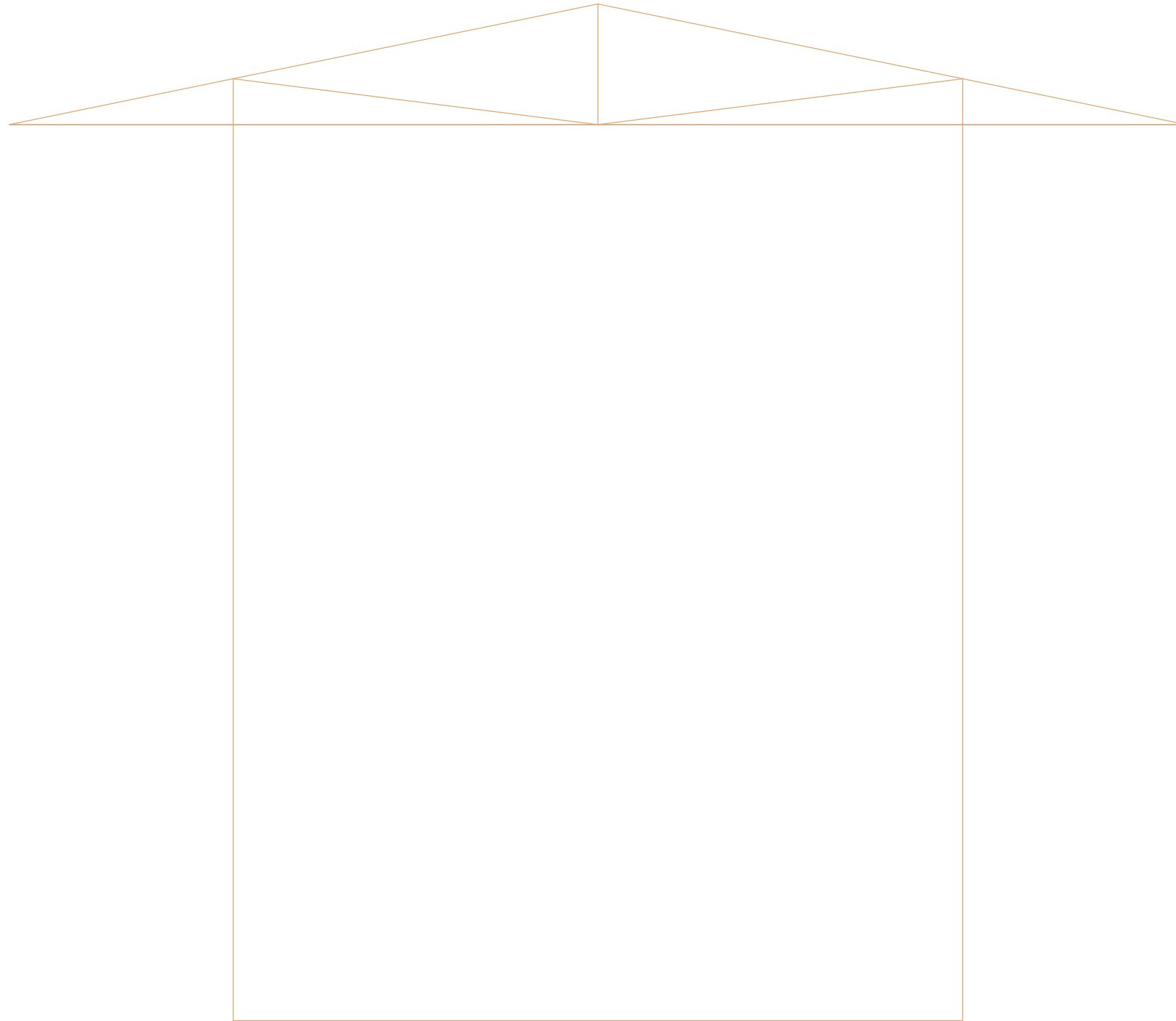
BACK ELEVATION



FRONT ELEVATION

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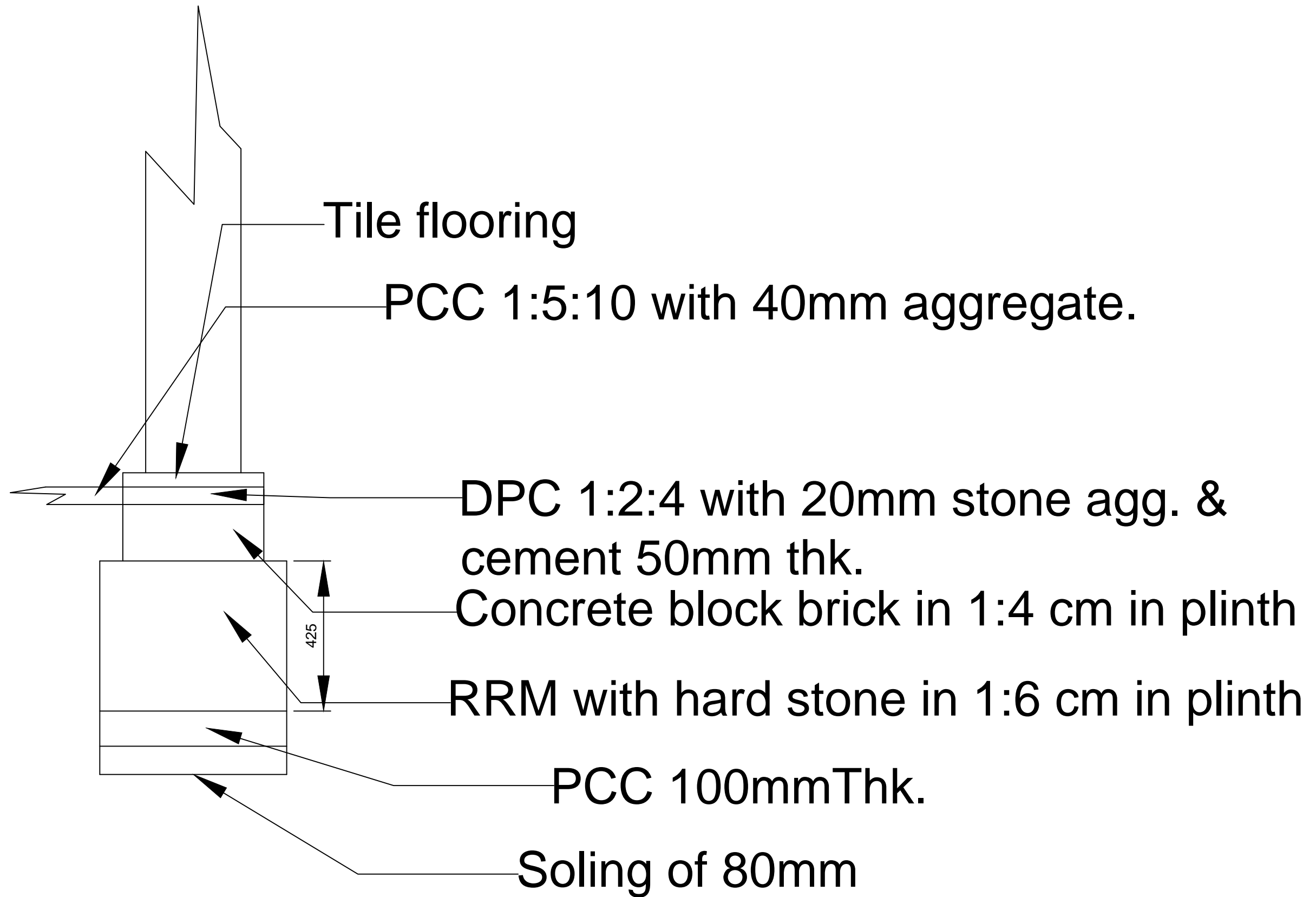
SIDE ELEVATION

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Ugyen Thinley (RUB)
Engineer
OVC:RUB

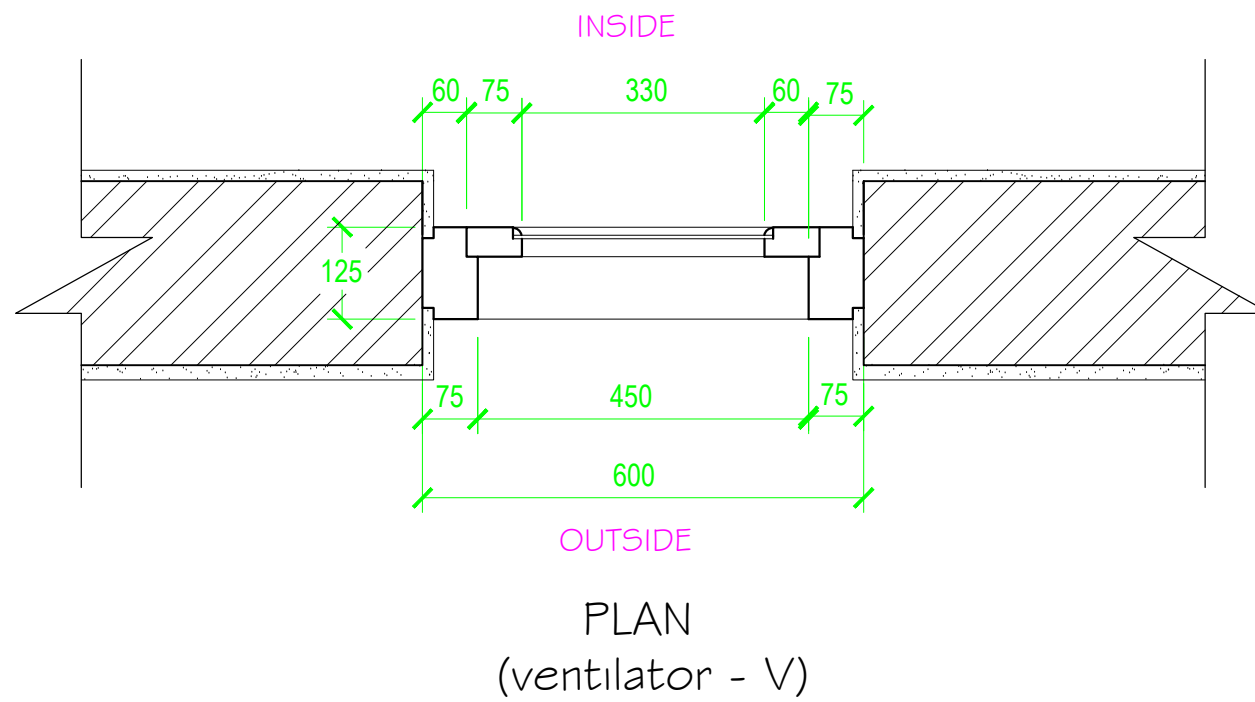
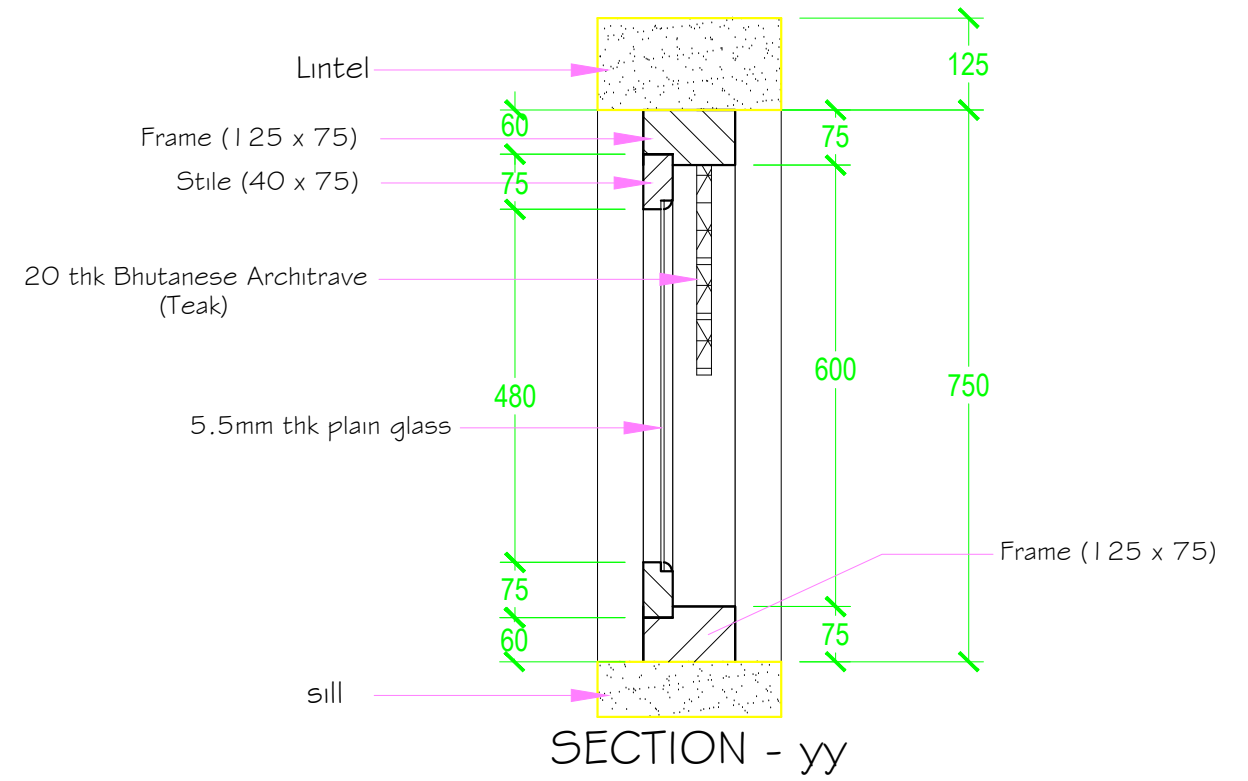
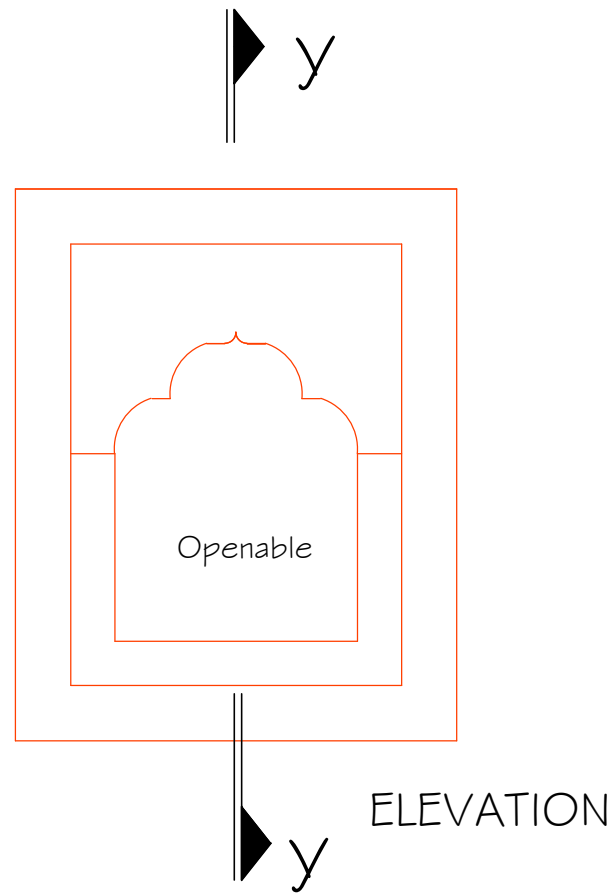
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Foundation details

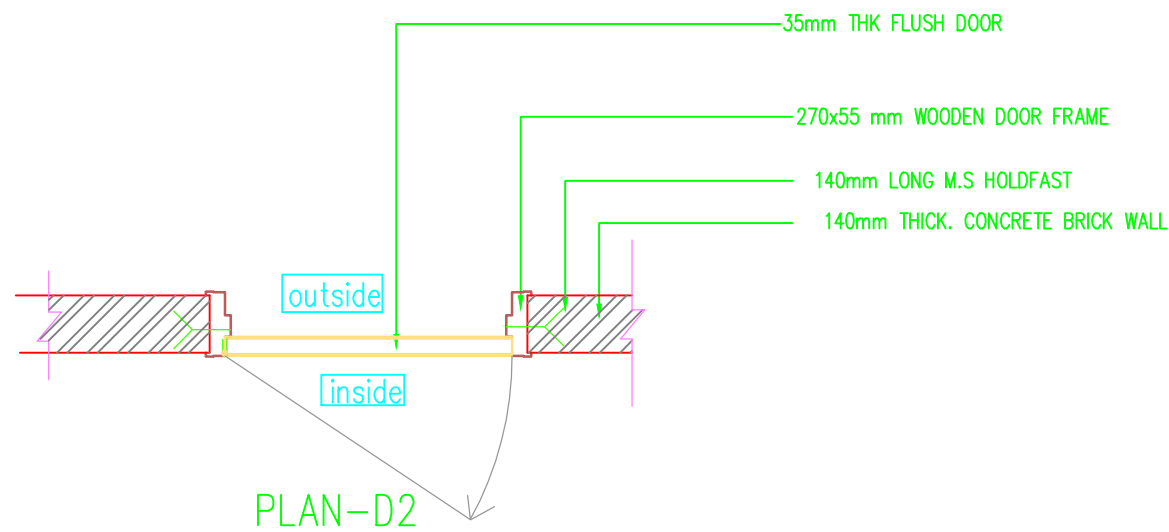
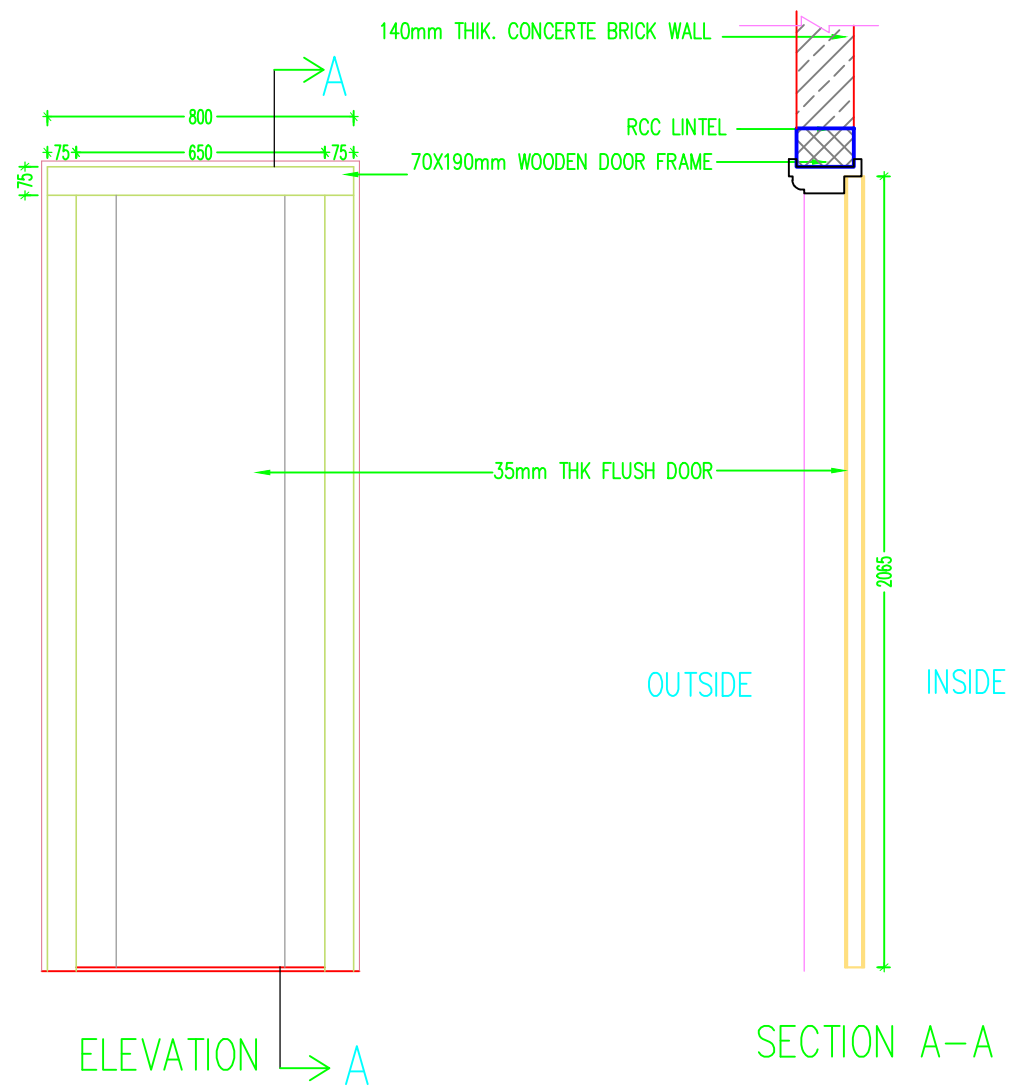
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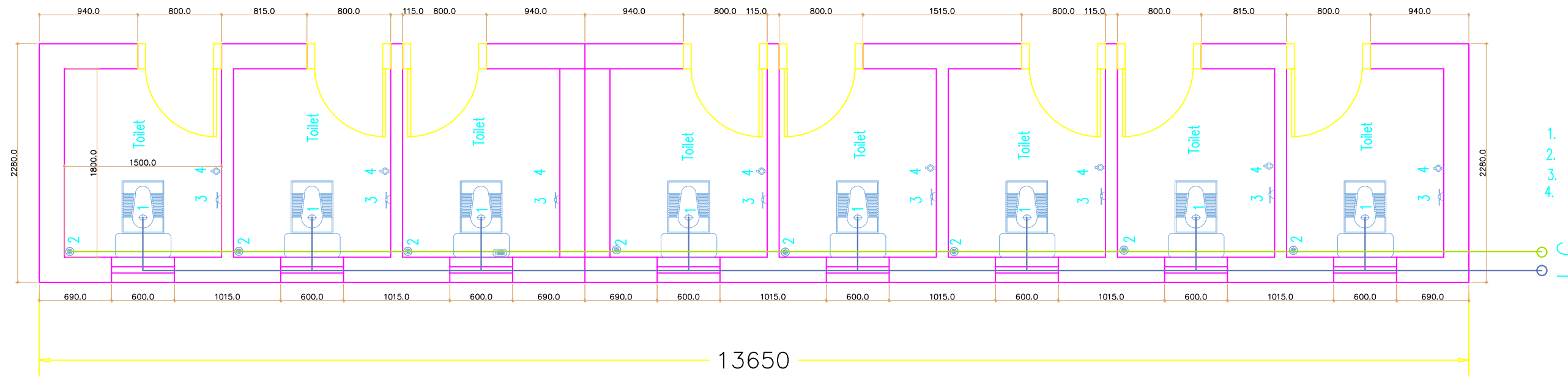
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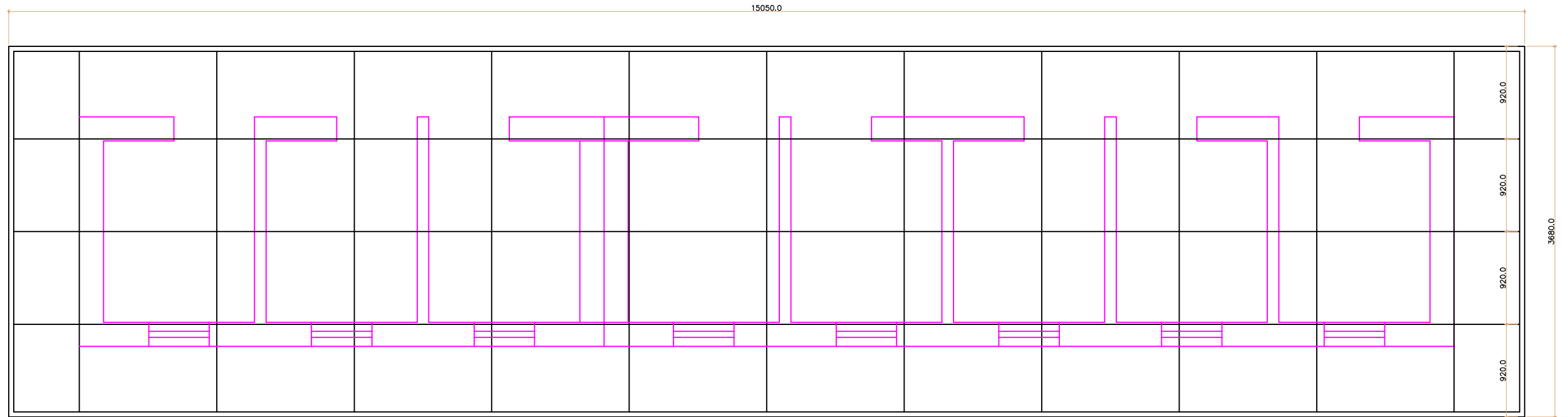
- 1. INDAIN WC
- 2. FLOOR TRAP
- 3. TOILET PAPER HOLDER
- 4. BIB COCK

TOILET DETAILS

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The size of the frame is 70x70mm



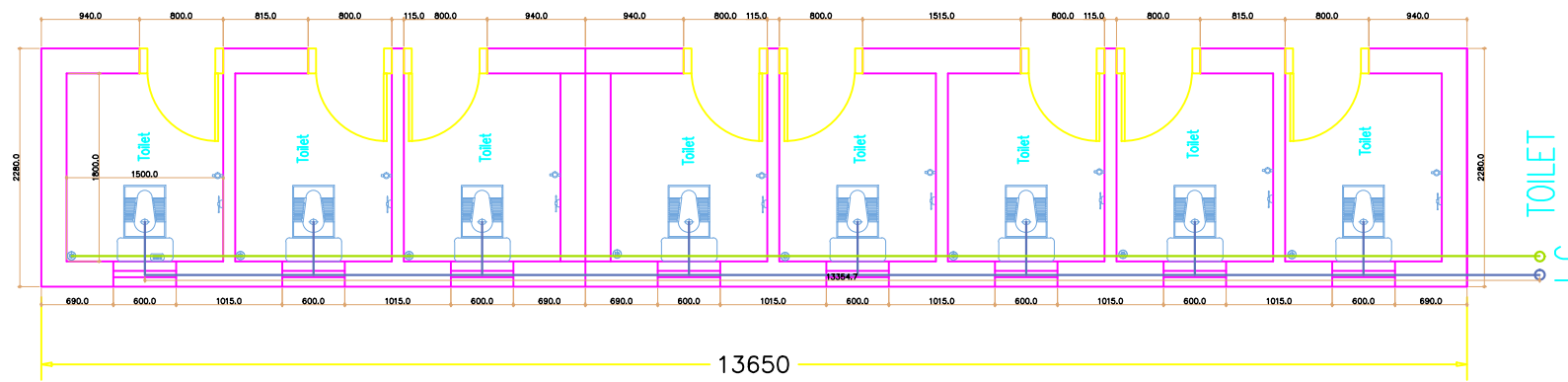
CEILING LAYOUT

ALL DIMENSIONS ARE IN MM

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Ugyen Thinley (RUB)
Engineer
OVC:RUB

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SEWER

- Waste Pipe
- Soil Pipe
- I C Inspection Chamber

note:

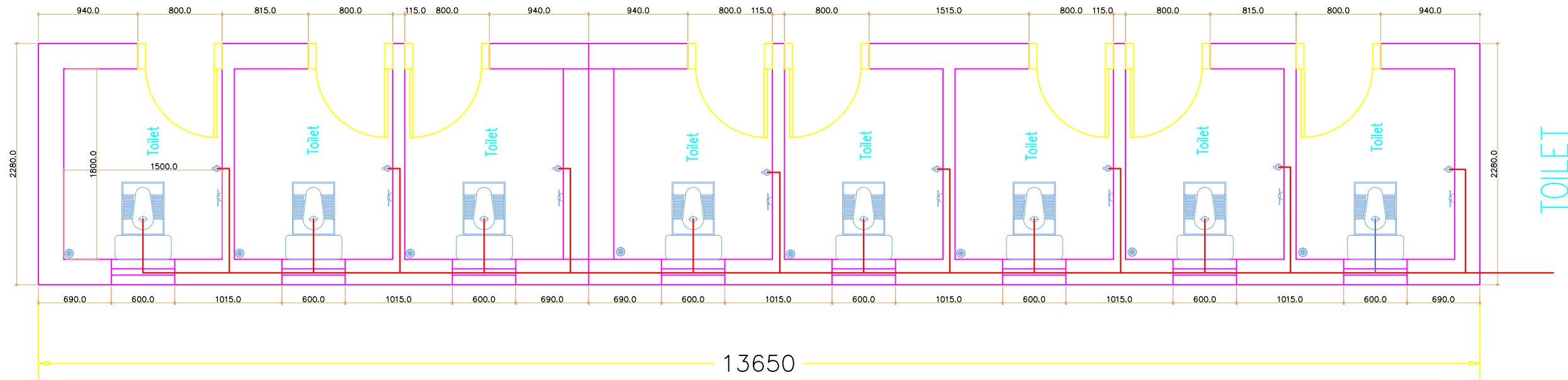
- All internal Sewerage pipes shall be 110mm dia heavy duty PVC pipes & external 160mm dia HDPE pipe, 4kg/sqcm pressure.
- All waste water pipes shall be 80mm dia PVC heavy duty pipes.
- All joints shall be done with standard PVC fittings with application of PVC solutions.
- All pipe work and fittings shall be tested after installation.
- The size of manholes shall be 600x600 upto to the depth of 1m and 900x900 for depth more than 1m.
- All manholes shall be RCC round with smooth finish inside fitted with CI manhole cover and frame medium duty.
- The pipe gradient shall be 1 in 50 minimum.

LEGEND

1. 75MM DIA PVC WASTE PIPE
2. 110MM DIA PVC SOIL PIPE
3. 100MM DIA 1 PVC FLOOR TRAP

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5	REVISION	DATE	MODIFICATION	DESIGNED/DRAWN	CHECKED	APPROVED	DRAWING TITLE.: As stated		SCALE: NTS	



32MM DIA PVC MAIN
SUPPLY PIPE

PLUMBING

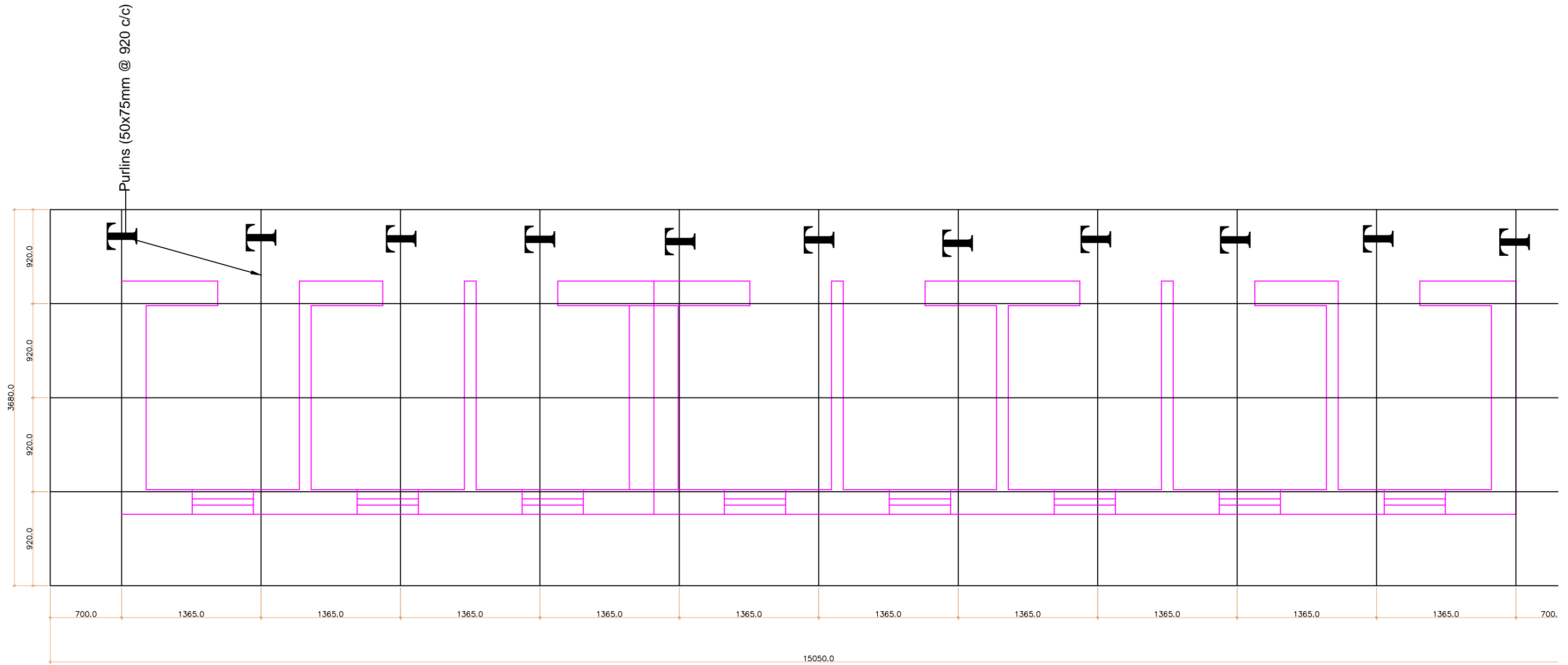
- Main Supply Pipe from Water Tank (32mm dia)
- Main Distribution Pipe (20mm dia)
- Distribution Pipe (15mm dia)
- Hot Water Pipe (15mm dia)

Notes for plumbing:

1. Pipes shall be PVC.
2. All inlets shall be controlled with gate valve as shown in site plan
3. Pressure testing shall be done before concealing the pipes

ALL DIMENSIONS ARE IN MI

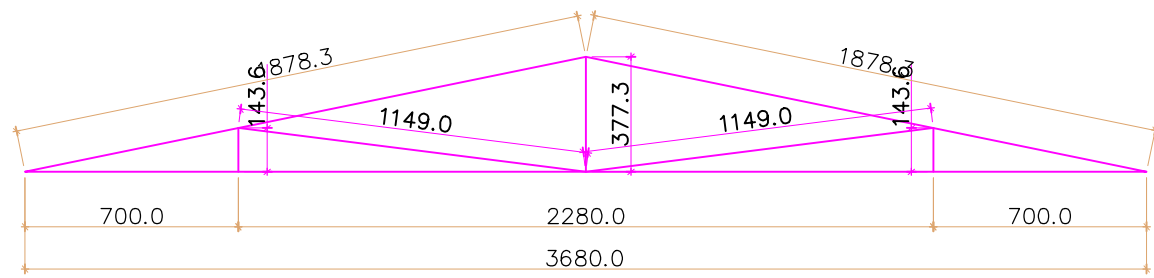
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TRUSS LAYOUT

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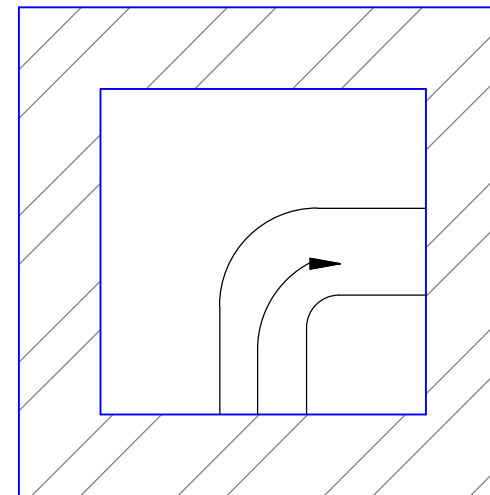
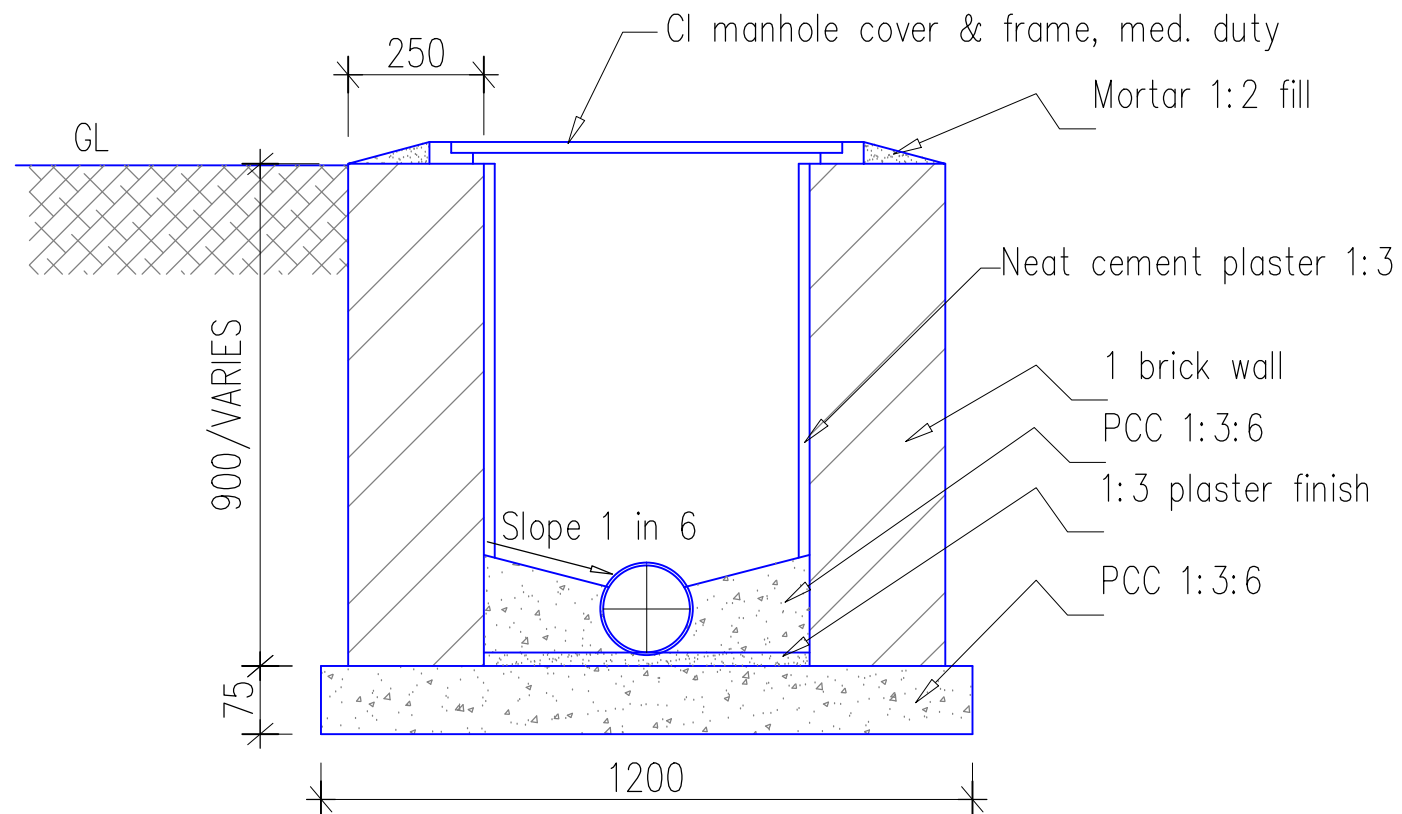
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Notes:

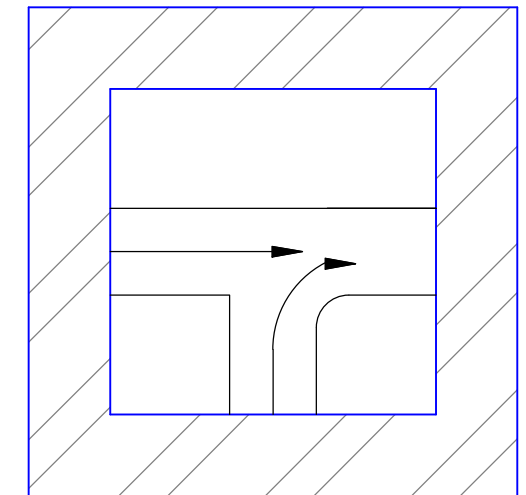
1. All the truss materials are timber
2. The sizes of the truss are:
 - a. Wooden Rafter (top cord) = 100x75m
 - b. Bottom Chord = 100x75mm
 - c. Wooden Purlins = 50x75mm
 - d. Truss members = 70x70mm
3. Provide roof band of size = 100x100mm
(Anchored with bolts of 12mm dia)

ALL DIMENSIONS ARE IN M

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1	APPROVAL									
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3	INFORMATION									
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Plan at 90°



Plan at Tee junction

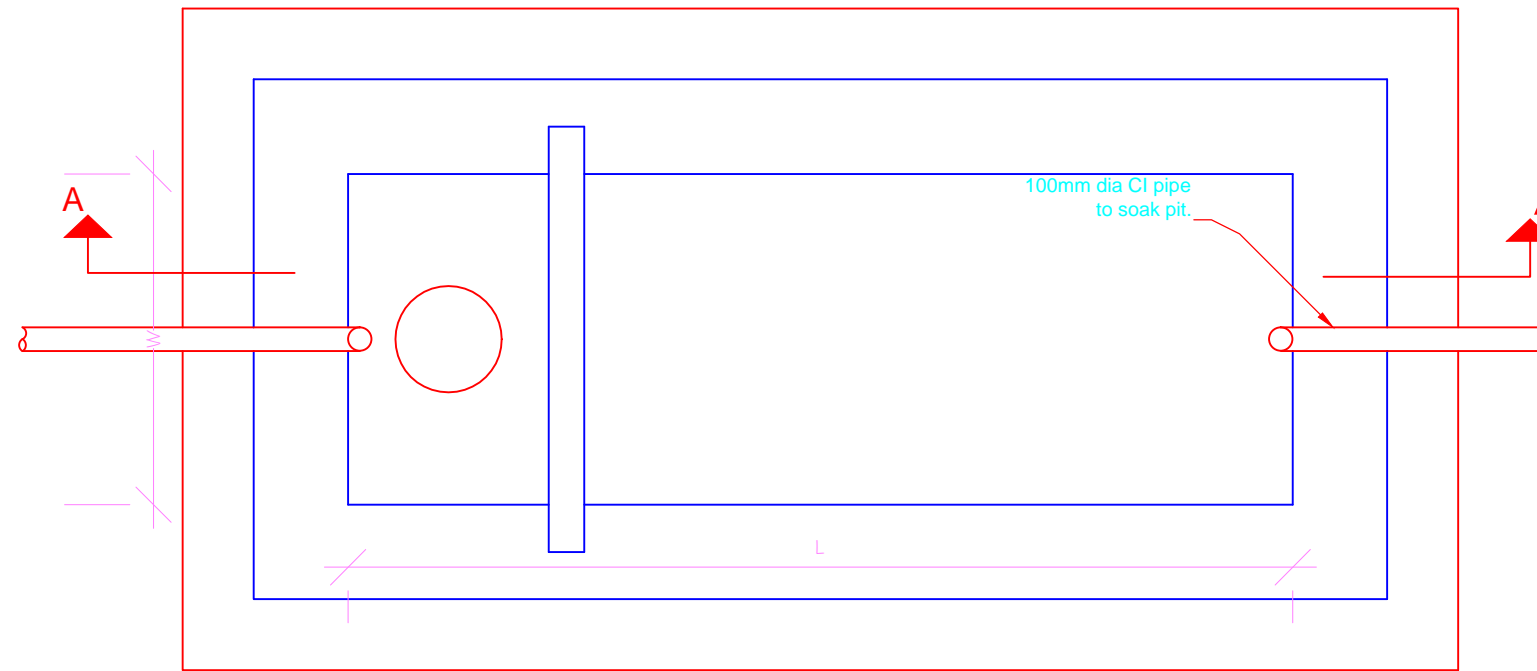
Cross section of Inspection Chamber

Note: If the height of chamber exceeds 900mm the inside dimension of chamber shall be 1000x1000mm
 If the depth of chamber is less than 900mm, wall thickness shall be half brick
 The size given in plan is inside dimension

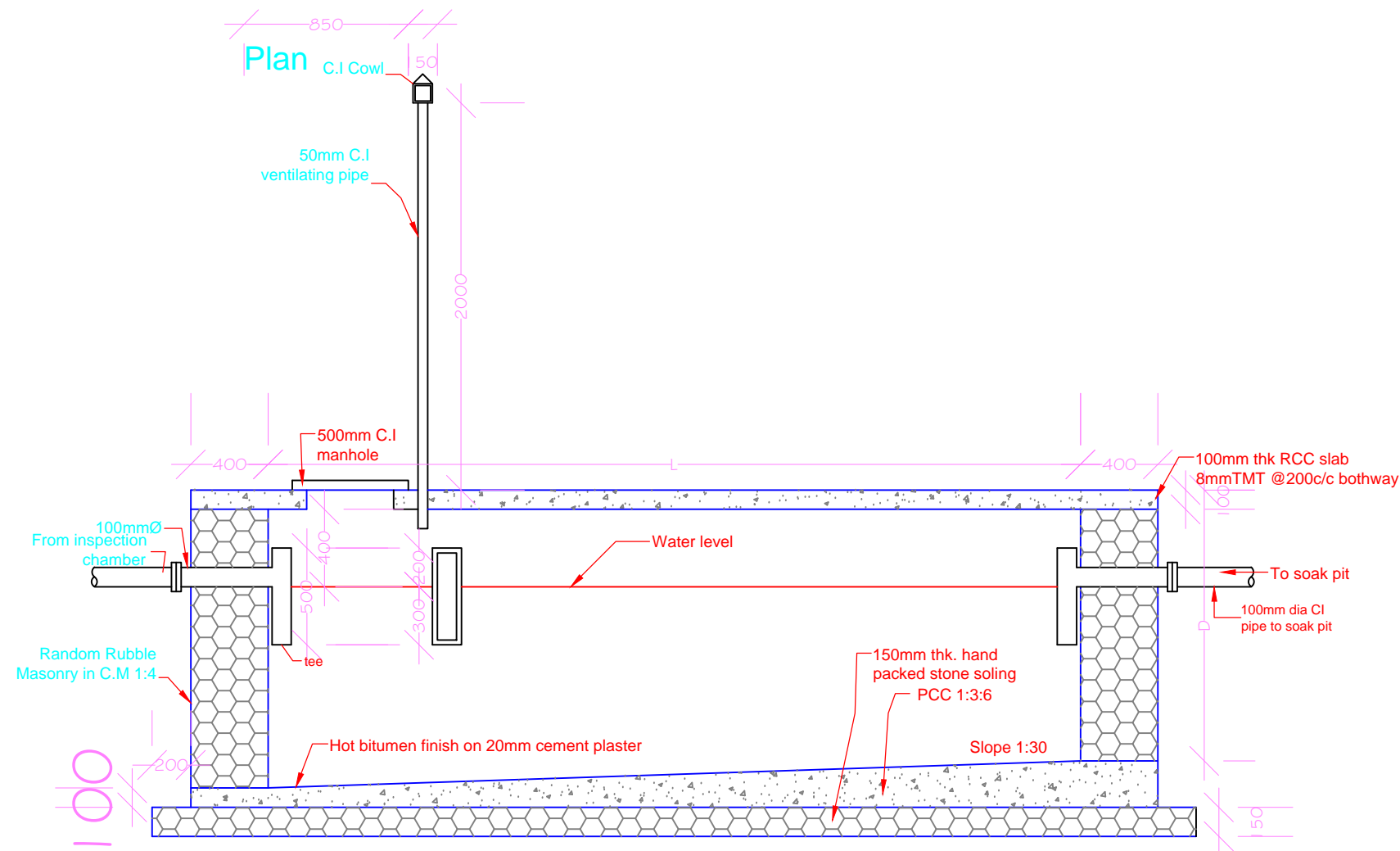
Slope for the pipe shall be 1 in 50 minimum
 All HDPE pipe shall be 4 kg/sqcm pressure rating
 Bathroom and toilet waste out let shall be provided with CI P trap 100mm
 Toilet vertical pipe shall be PVC 100mm with door Tee
 Bathroom waste pipe shall be 75mm PVC with Y door junction

ALL DIMENSIONS ARE IN MM

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1	APPROVAL									
2	RECORD									
3	INFORMATION									
4	FOR CONSTRUCTION									
5	REVISION	DATE	MODIFICATION	DESIGNED/DRAWN	CHECKED	APPROVED	DRAWING TITLE.: As stated	SCALE: NTS		



No of user	Length(m) L	Width(m) W	Liquid Depth(m) D
5	1.5	0.75	1.0
10	2.0	0.90	1.0
15	2.0	0.90	1.30
20	2.3	1.10	1.30
50	4.0	1.40	1.30
150	7.70	2.40	1.40



Long section of septic tank on A-A

ALL DIMENSIONS ARE IN MM

ISSUED FOR:					Ugyen Thinley (RUB) Engineer OVC:RUB	DESIGNED/DRAWN	CHECKED	APPROVED	PROJECT: RGoB FUNDED PROJECT	DATE:	DRAWING NO.: 26	RIV 0
1	APPROVAL											
2	RECORD											
3	INFORMATION											
4	FOR CONSTRUCTION											
5	REVISION	DATE	MODIFICATION									
DRAWING TITLE.: As stated										SCALE: NTS		