

**Preparation of Master Plan and Detailed Project Report of Renovation  
of Sita Kunda Temple, Community Building and Tourism Park in  
Ghodaghodi Municipality  
Sukhad, Kailali**

**VOL II: A/E DRAWINGS**

Submitted To:  
Ghodaghodi Municipality  
Sukhad, Kailali

Submitted By:  
Krithya Studio Pvt. Ltd.  
Tripureshwor, Kathmandu

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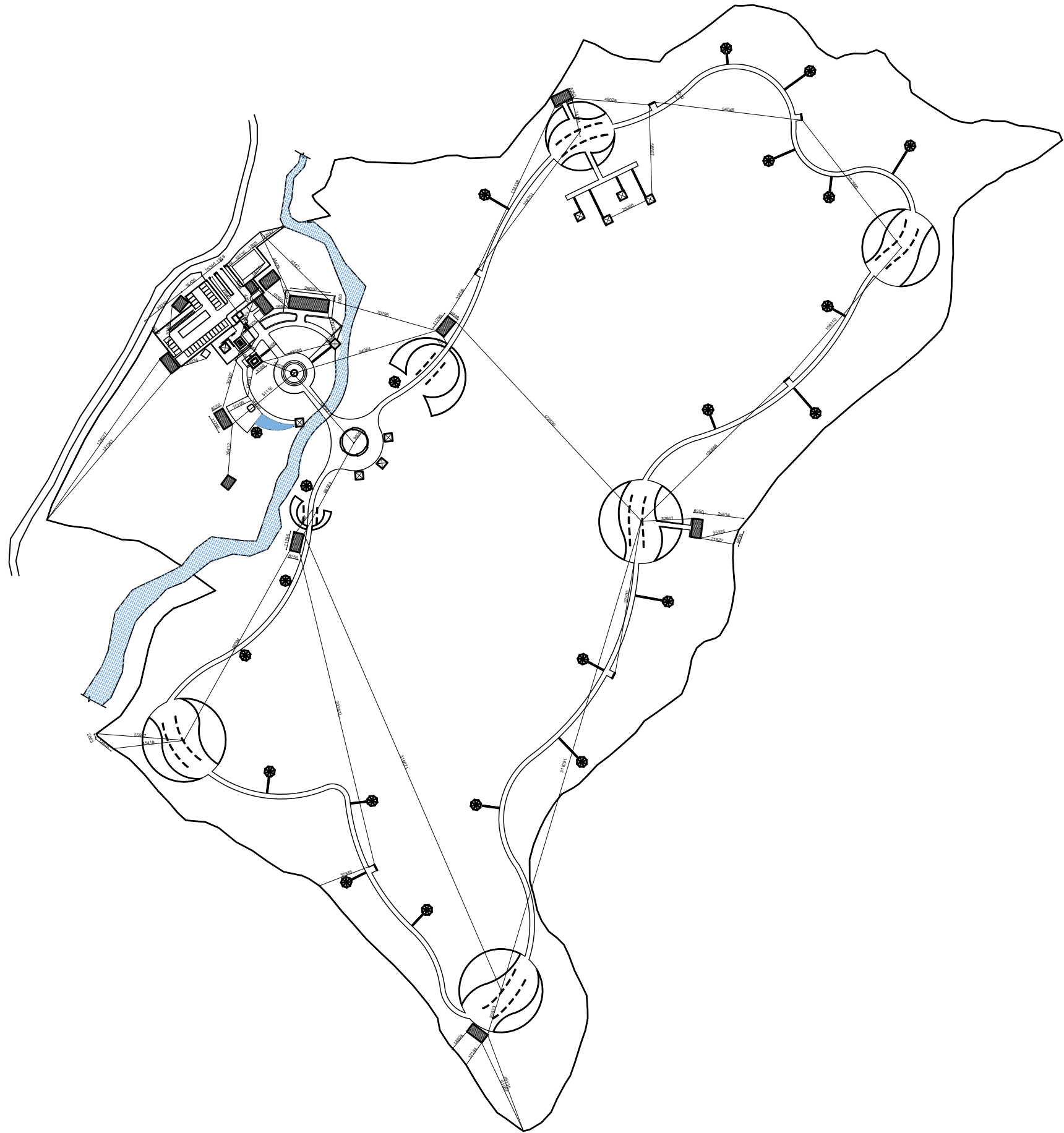
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# ARCHITECTURAL DRAWINGS

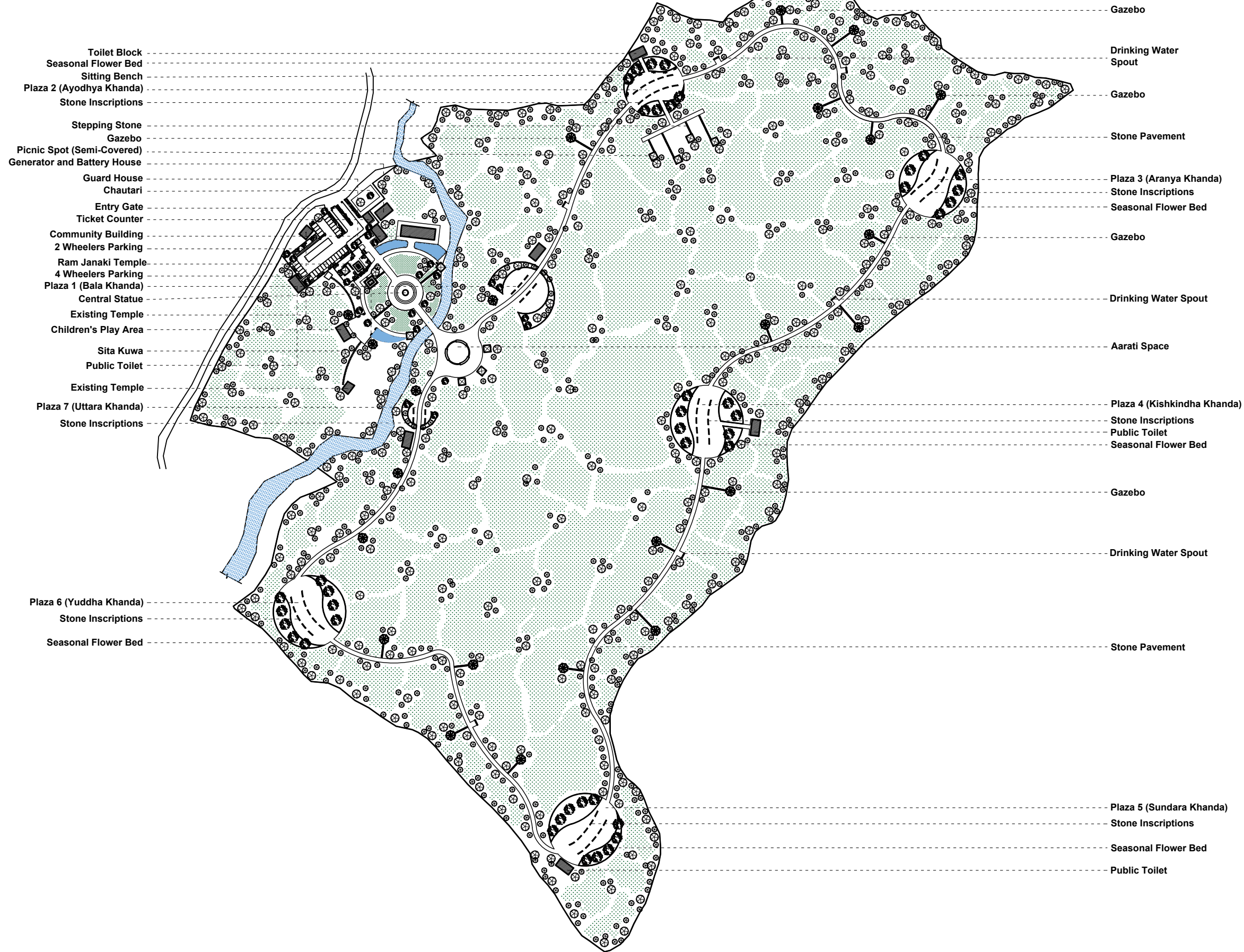
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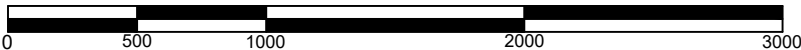
SITE PLAN  
AREA - 210,780.046 SQ.M.

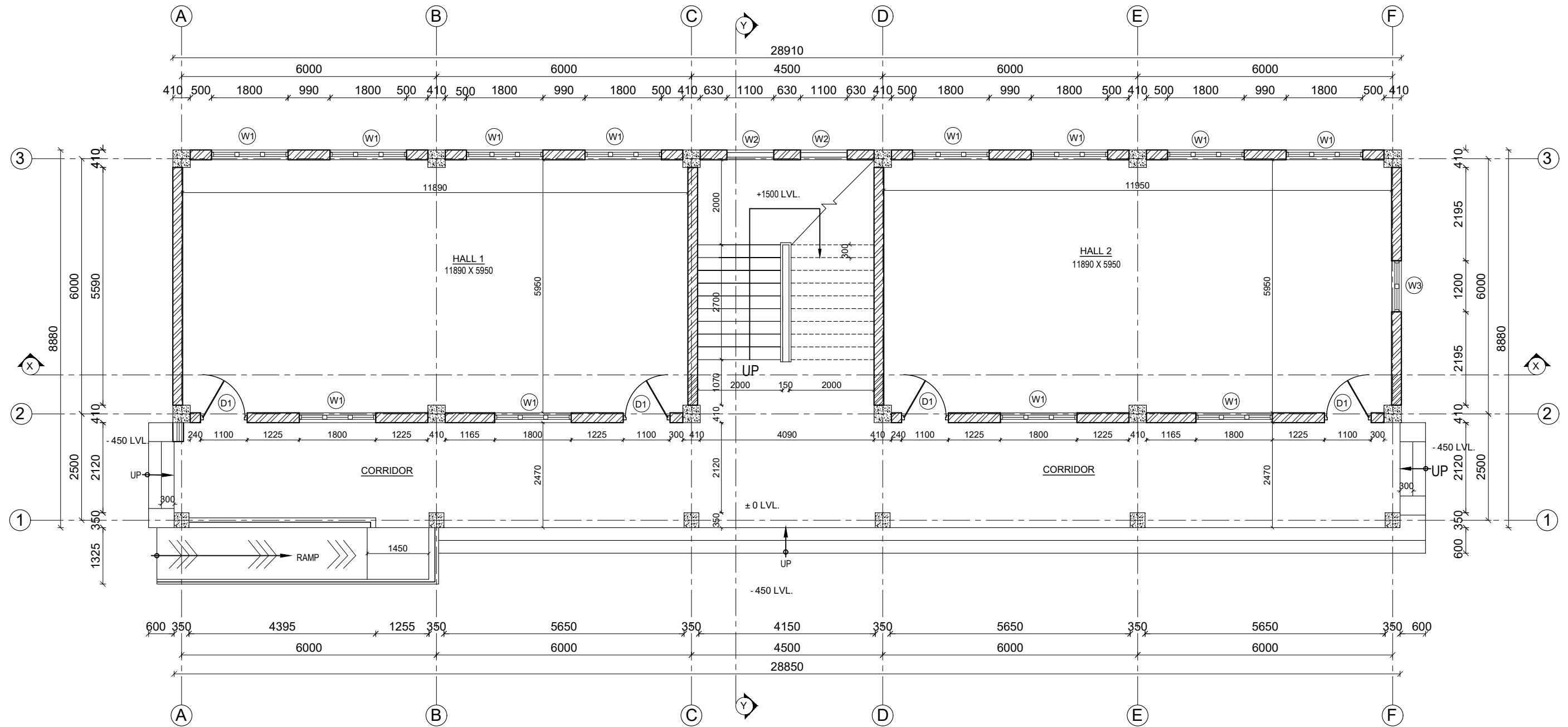


|                                                        |                                                                                                                                                                             |                           |                     |                                                                         |                 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|-------------------------------------------------------------------------|-----------------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Site Plan | SCALE: As Mentioned | DESIGNED BY :<br>Kp Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No.<br>M1 |
|                                                        |                                                                                                                                                                             |                           | DATE: June, 2024    |                                                                         |                 |



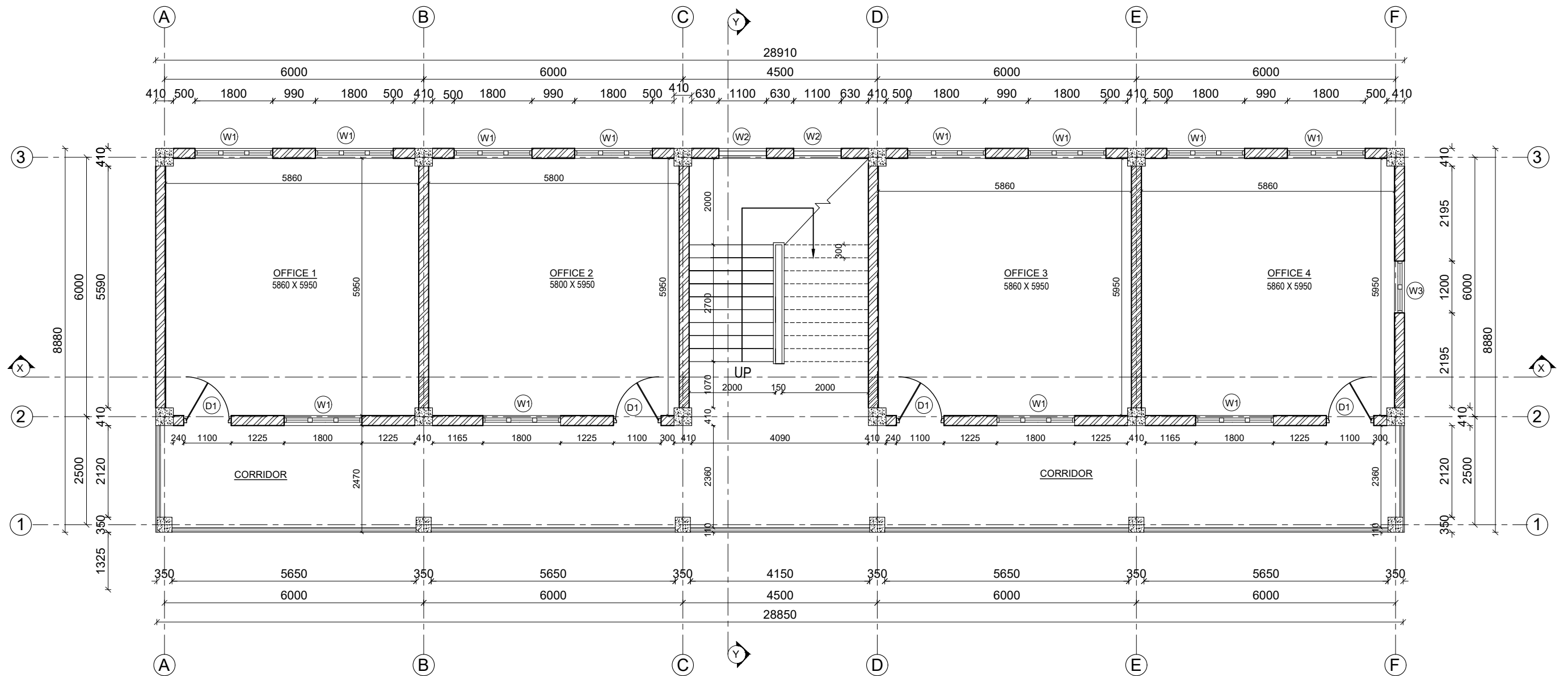
MASTER PLAN  
AREA - 210,780.046 SQ.M. (31-2-9.034)





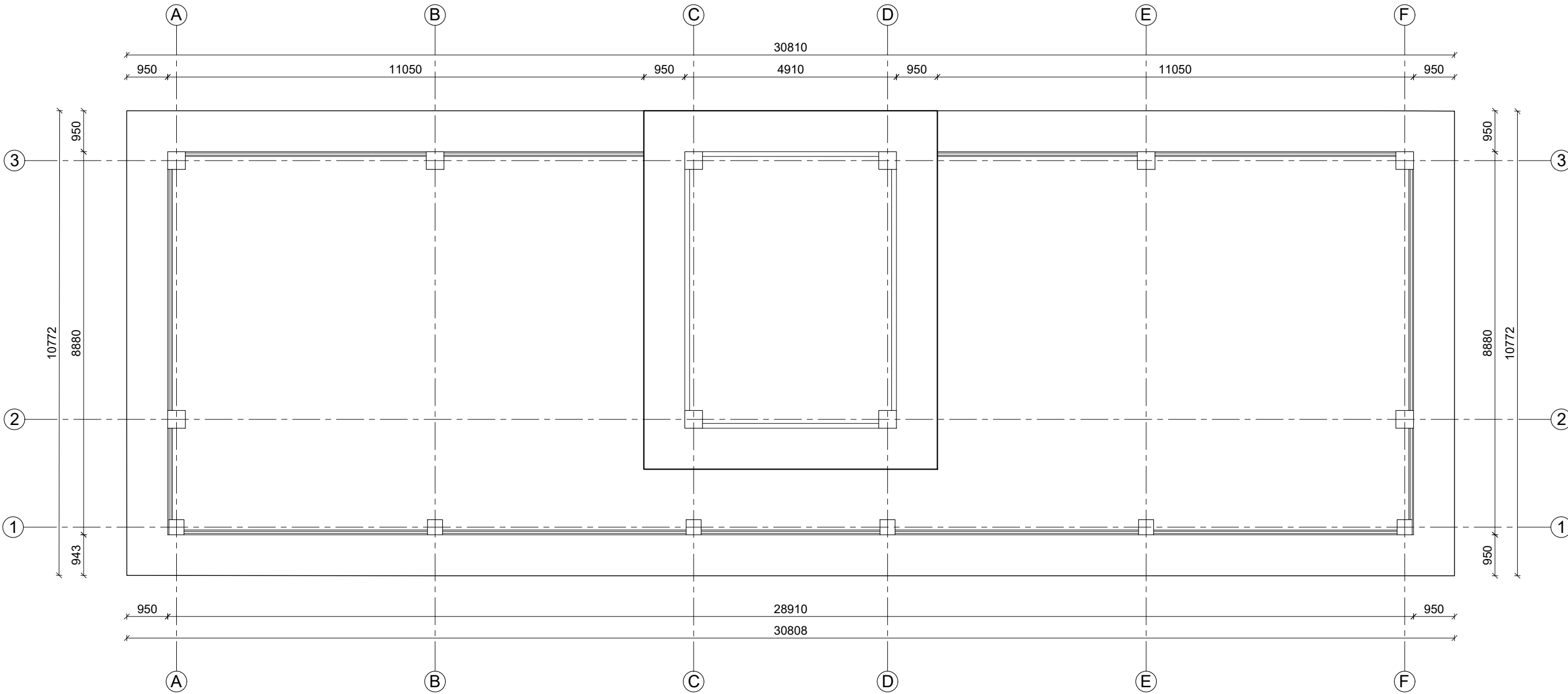
GROUND FLOOR PLAN

|                                                        |                                                                                                                                                                             |                                                       |                  |                                                                      |                    |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------|----------------------------------------------------------------------|--------------------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Community Building: Ground Floor Plan | SCALE: 1:100     | DESIGNED BY :<br>Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No.<br>AR-01 |
|                                                        |                                                                                                                                                                             |                                                       | DATE: June, 2024 |                                                                      |                    |

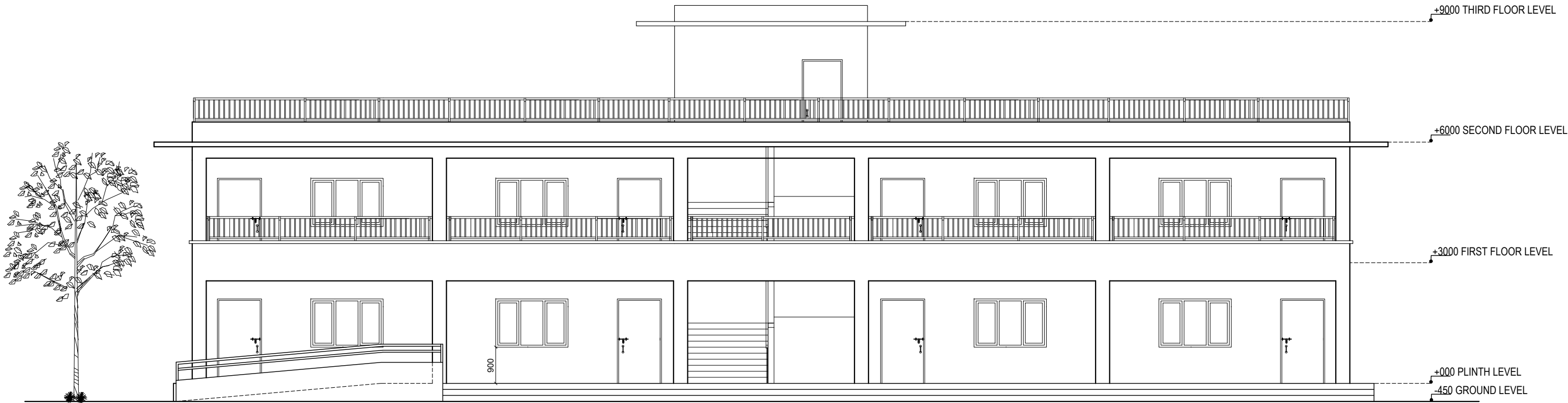


FIRST FLOOR PLAN

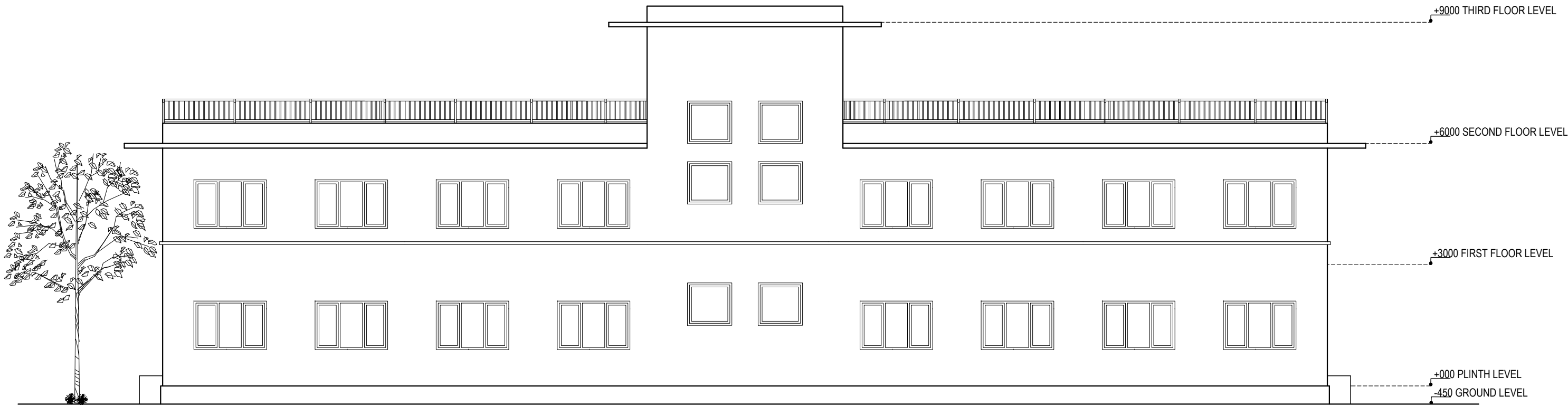
| OPENING SCHEDULE |             |        |             |              |             |              |
|------------------|-------------|--------|-------------|--------------|-------------|--------------|
| SN               | DESCRIPTION | SYMBOL | SIZE        | GROUND FLOOR | FIRST FLOOR | SECOND FLOOR |
| 1                | Door        | (D1)   | 1100 x 2100 | 4            | 4           | 0            |
| 2                | Window      | (W1)   | 1800 x 1200 | 12           | 12          | 0            |
| 3                | Window      | (W2)   | 1100 x 1100 | 2            | 2           | 2            |
| 4                | Window      | (W3)   | 1200 x 1100 | 1            | 1           | 0            |
| Total            |             |        |             | 19           | 19          | 2            |



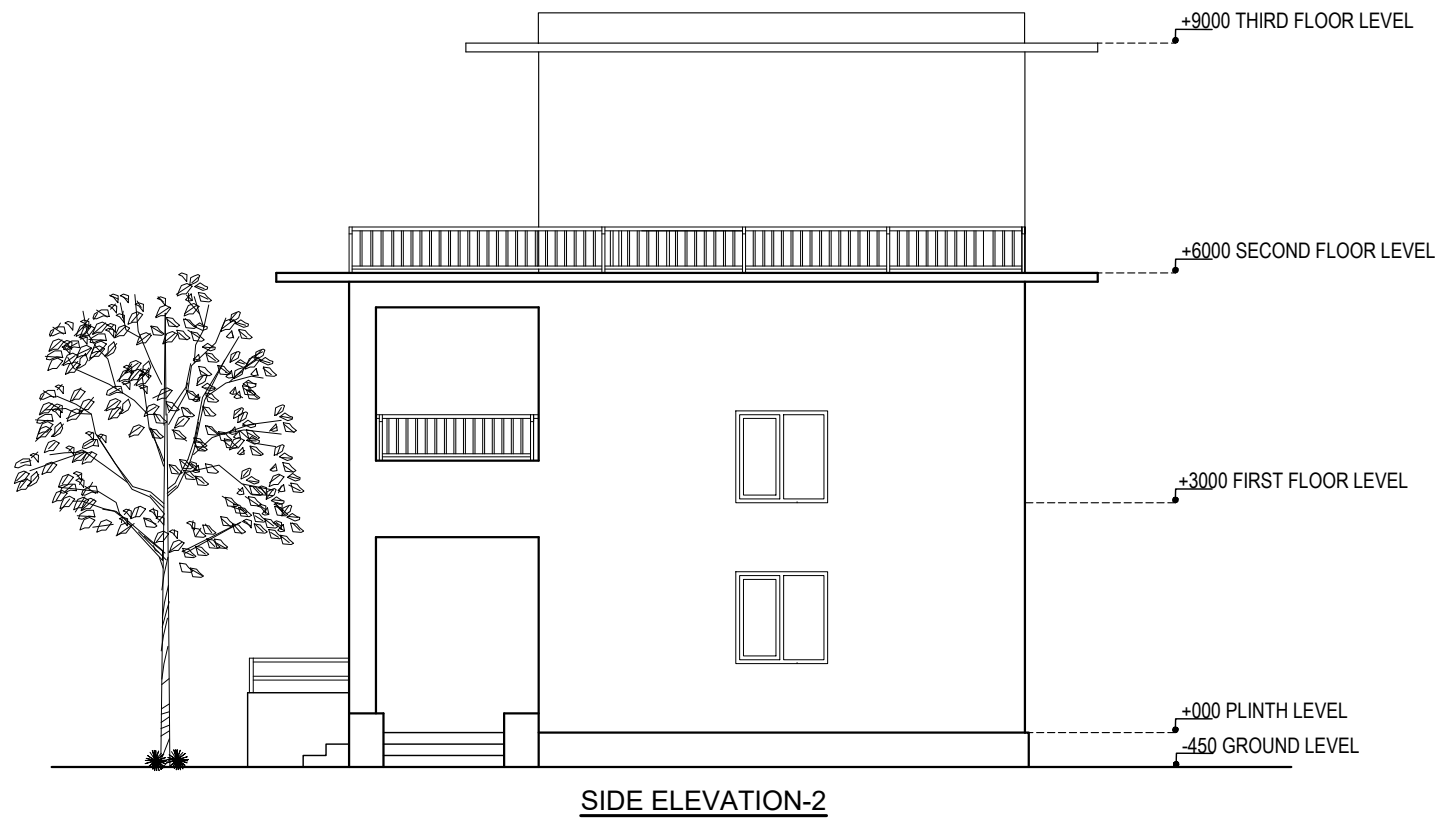
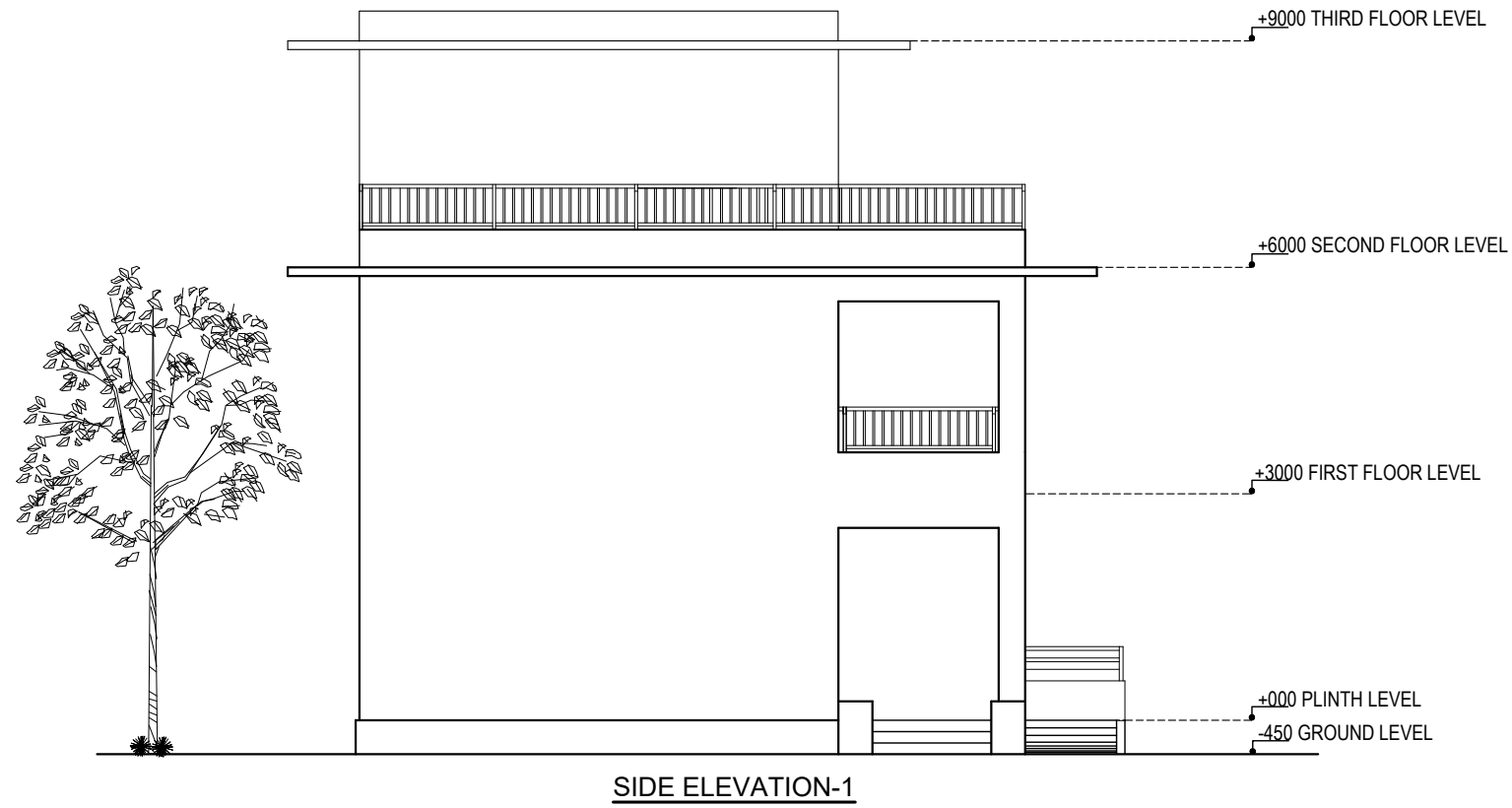
ROOF PLAN

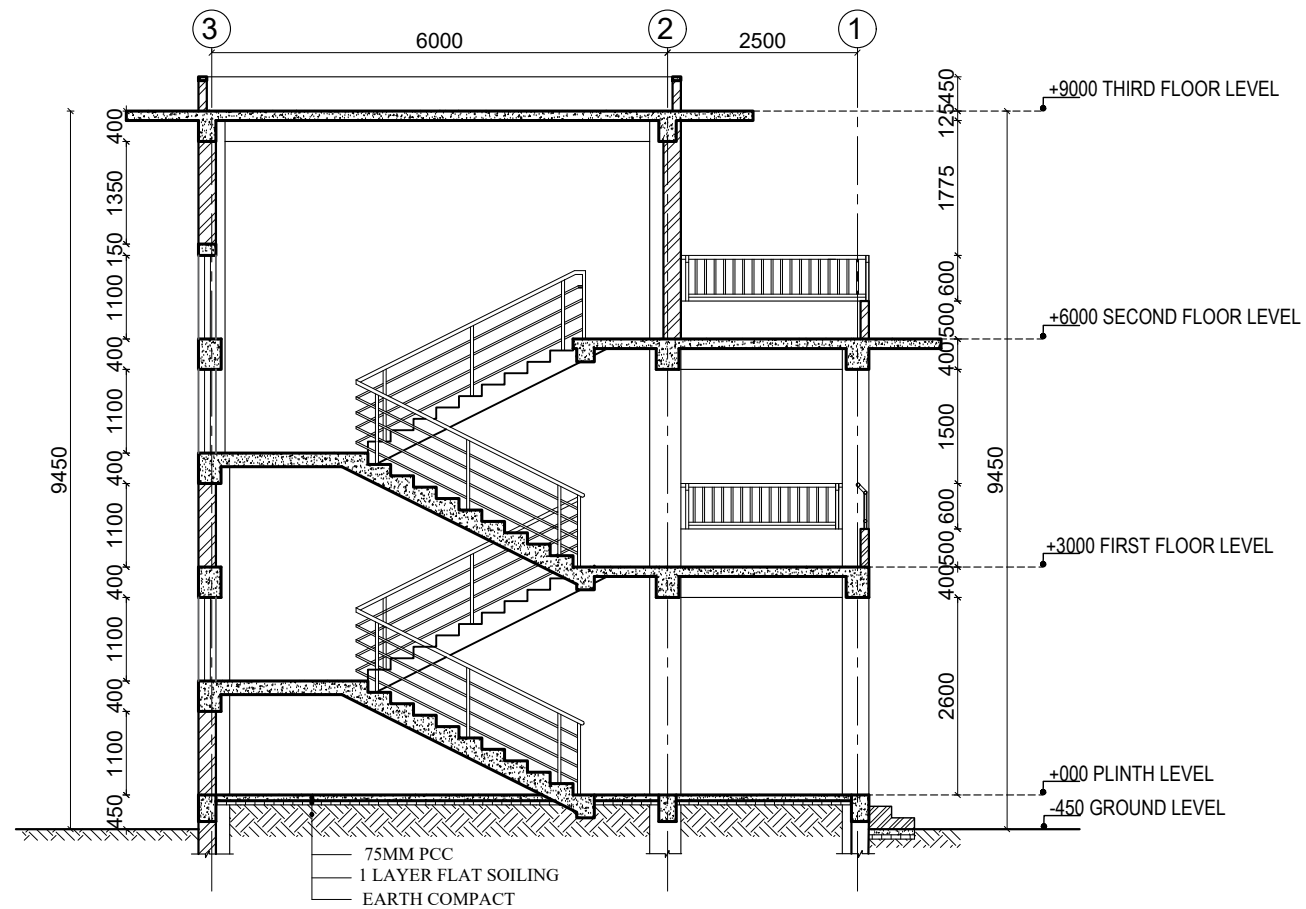


NORTH ELEVATION

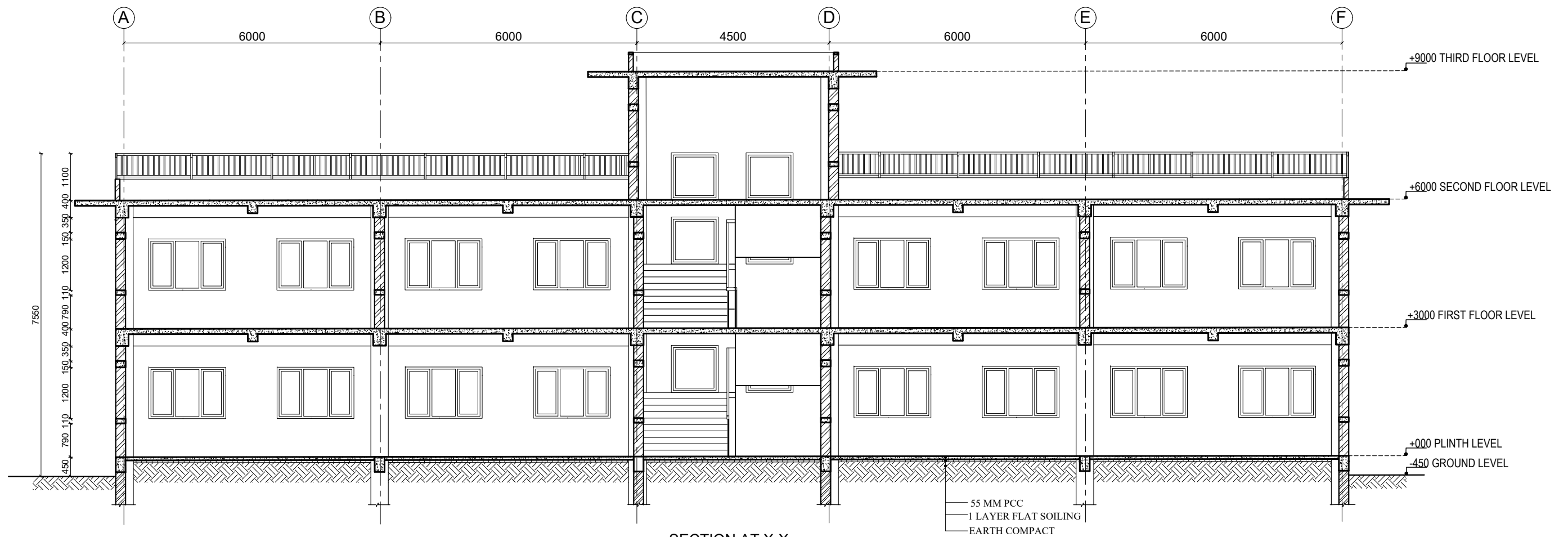


SOUTH ELEVATION





SECTION AT Y-Y



SECTION AT X-X

CLIENT :  
Ghodaghodi Municipality  
Sukhad, Kailali

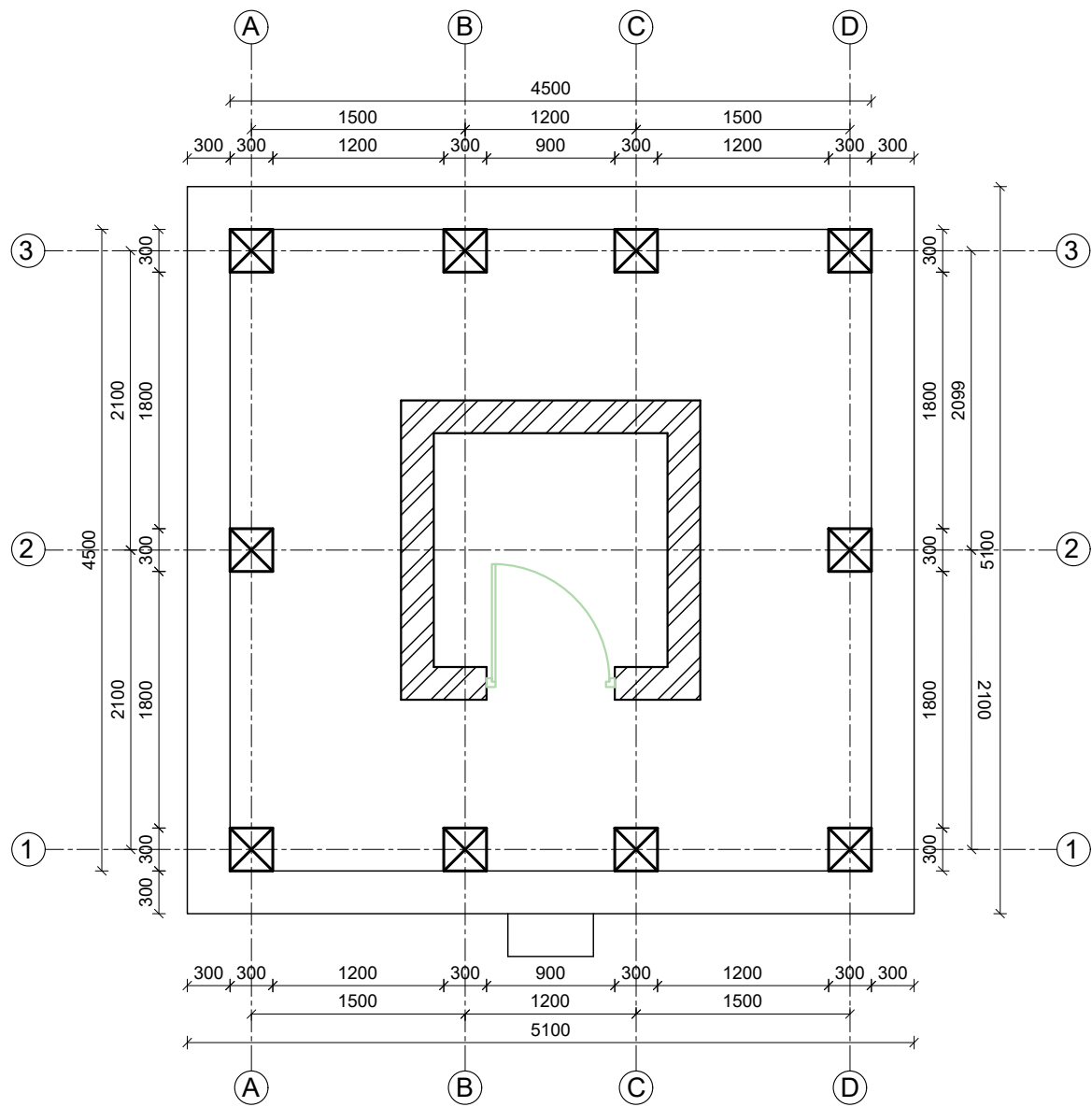
PROJECT TITLE:  
Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda  
Temple, Community Building and Tourism Park in Ghodaghodi Municipality

SHEET TITLE:  
Community Building: Sections

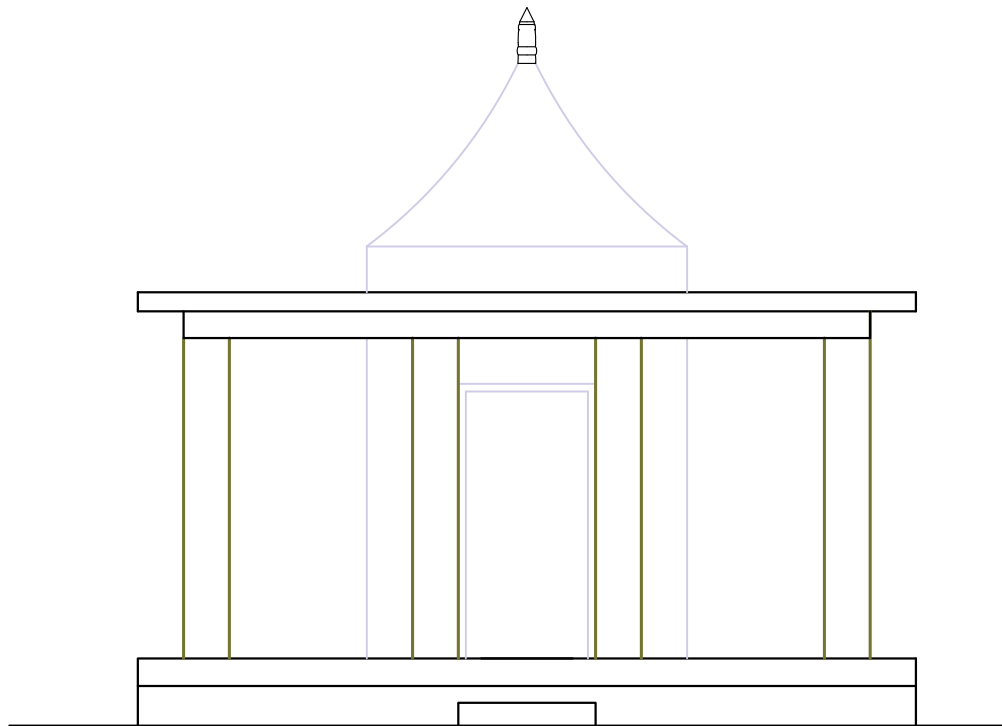
SCALE: 1:100  
DATE: June, 2024

DESIGNED BY :  
Kp Krithya Studio Pvt. Ltd.  
Tripureshwor, Kathmandu

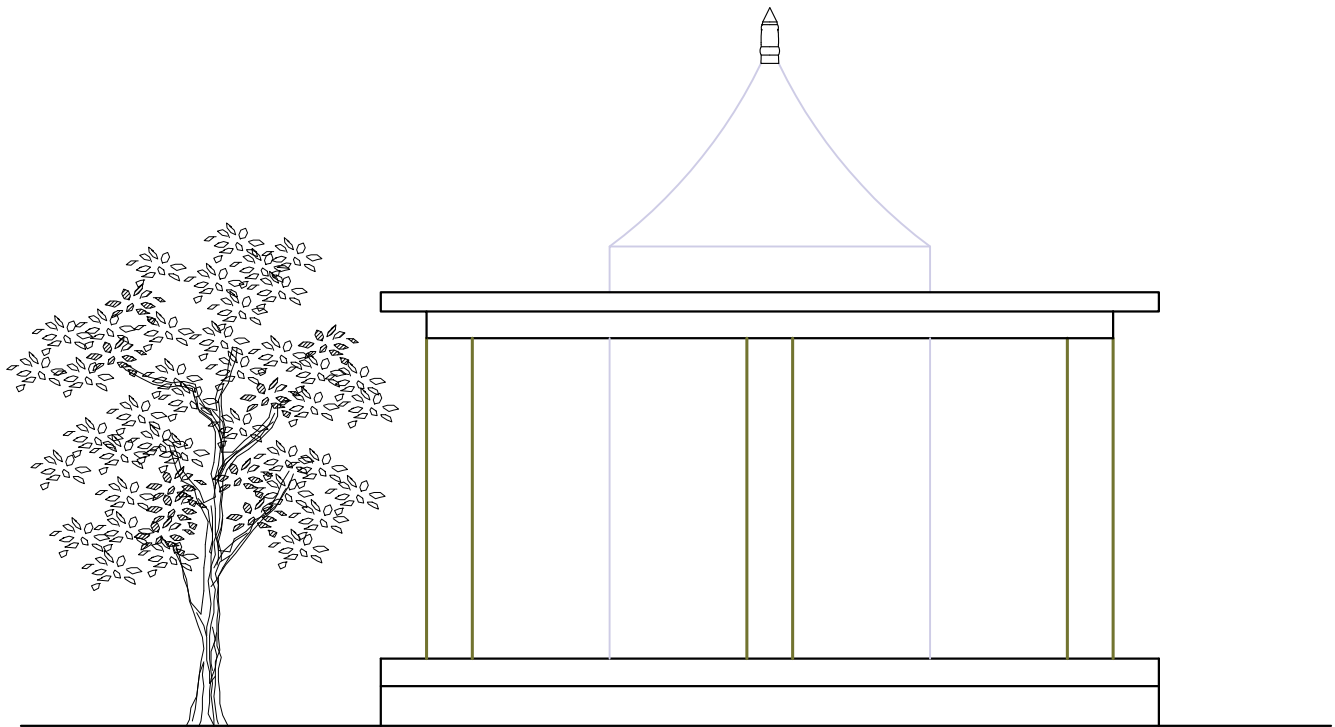
SHEET No.  
AR-06



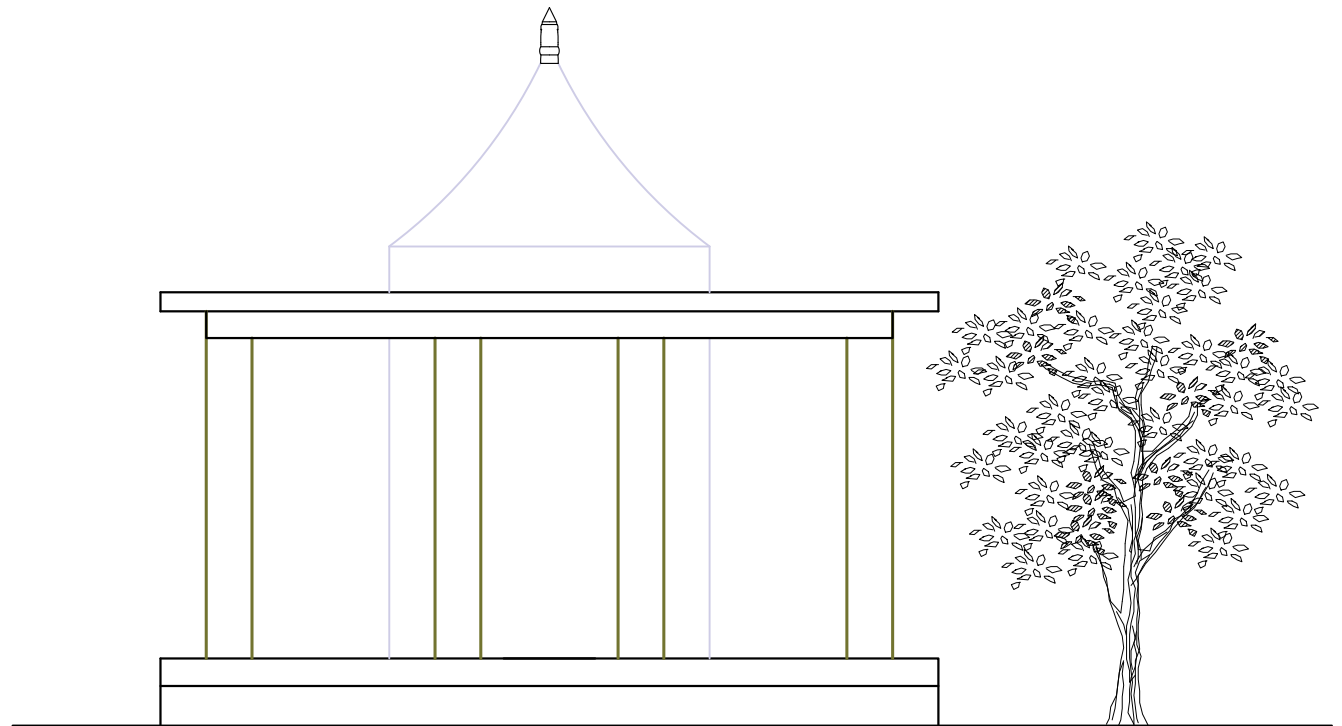
FLOOR PLAN



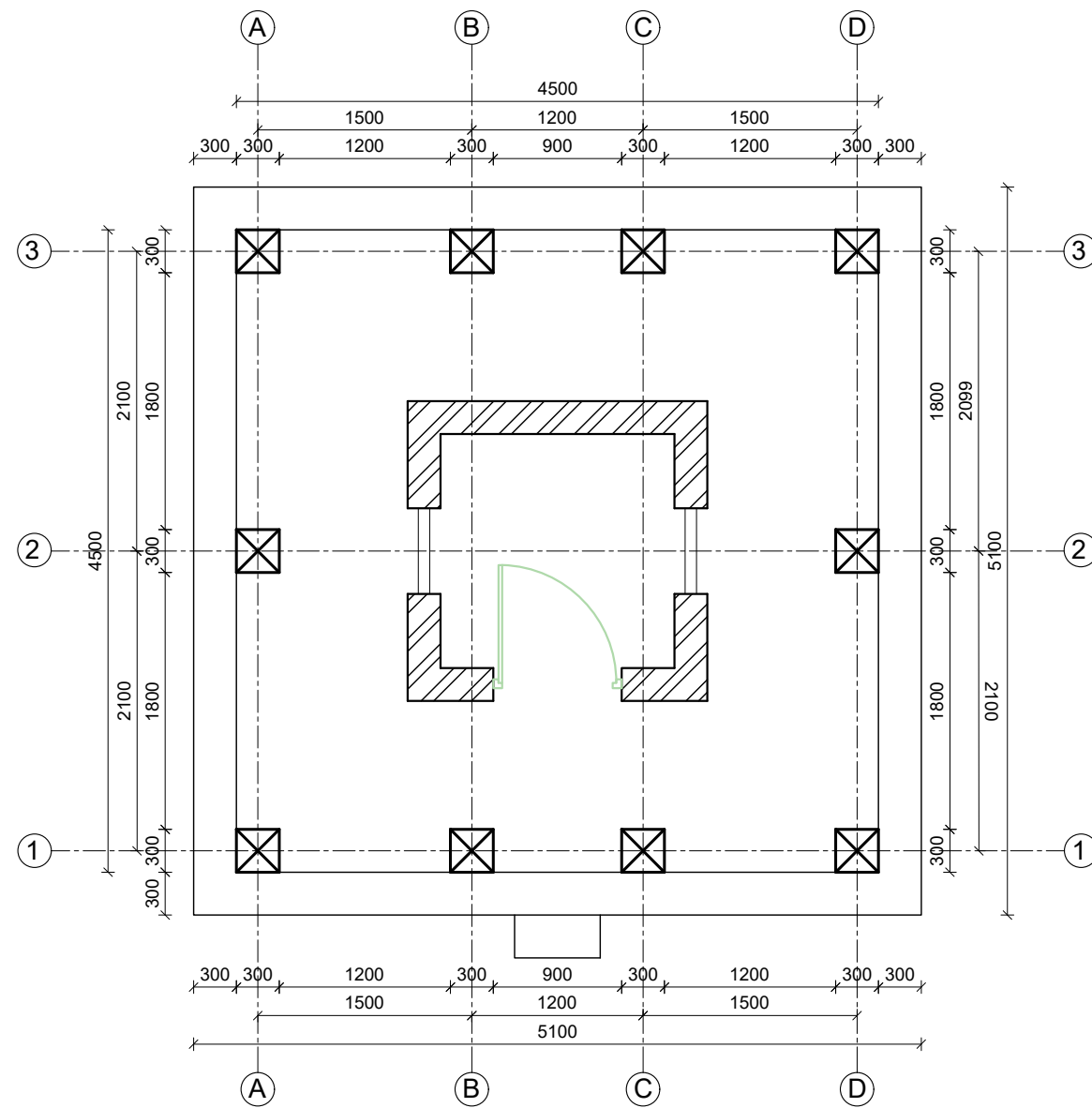
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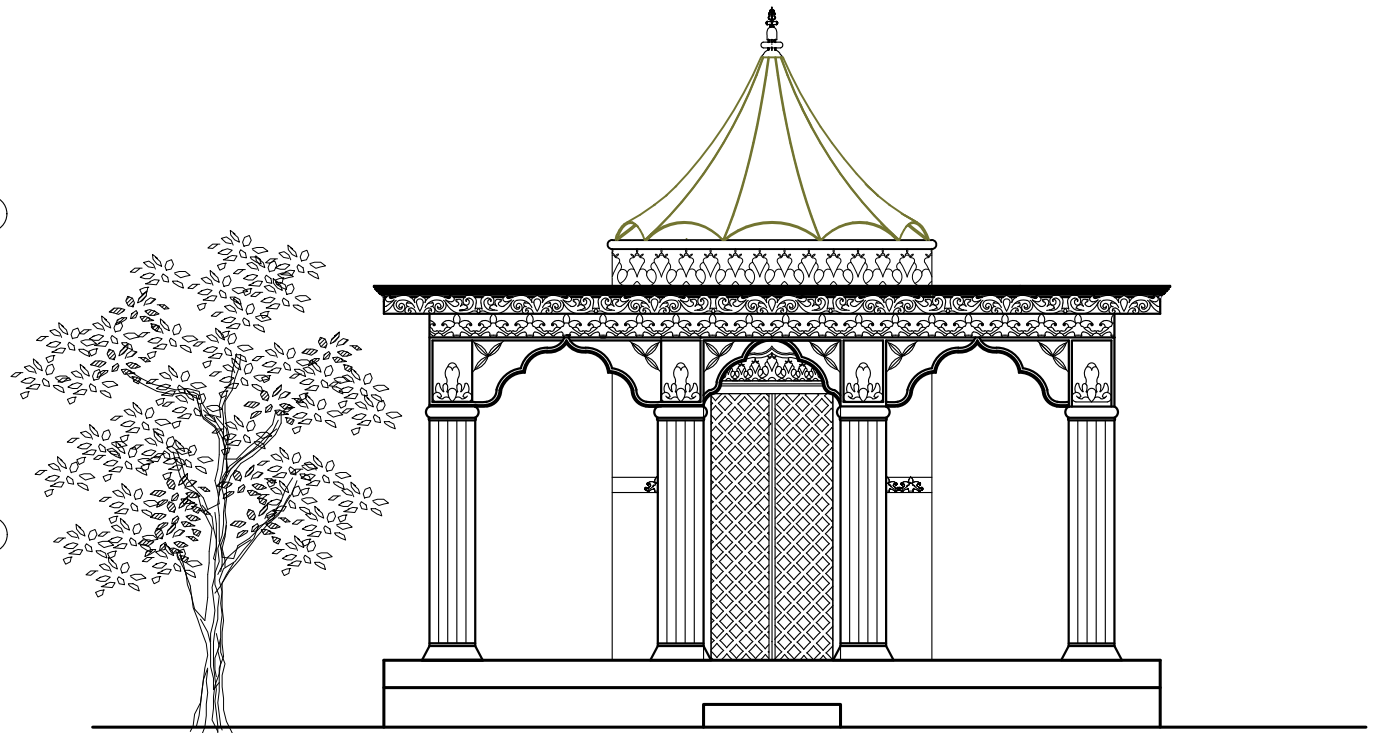
BACK ELEVATION



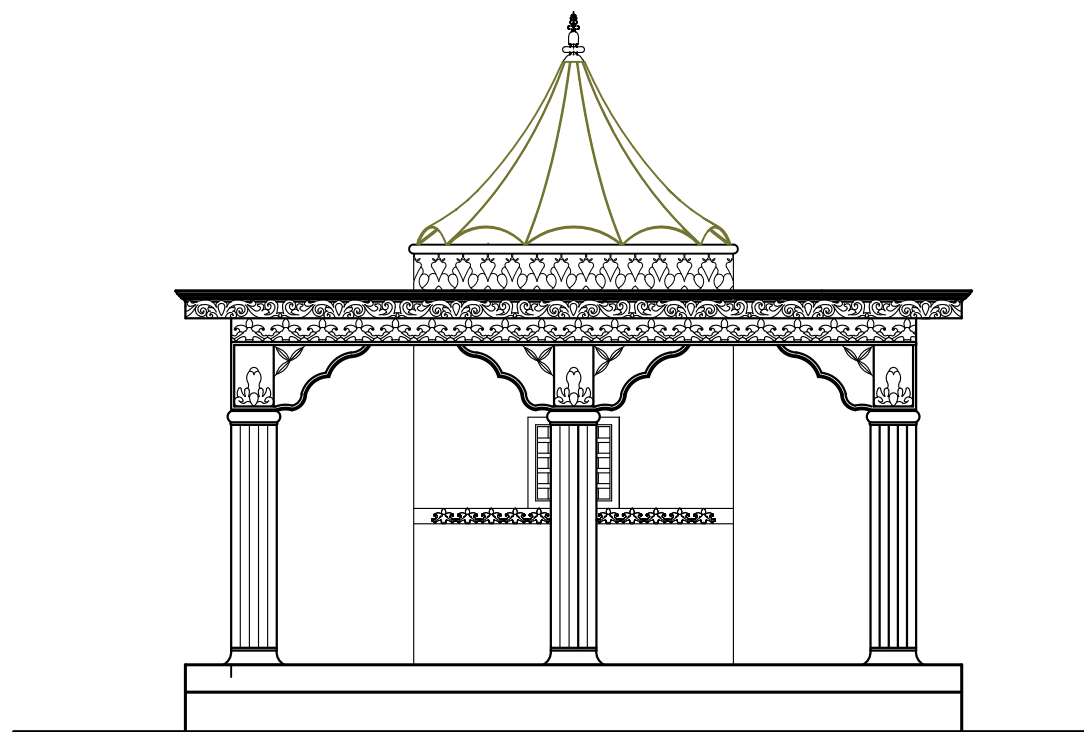
SIDE ELEVATION



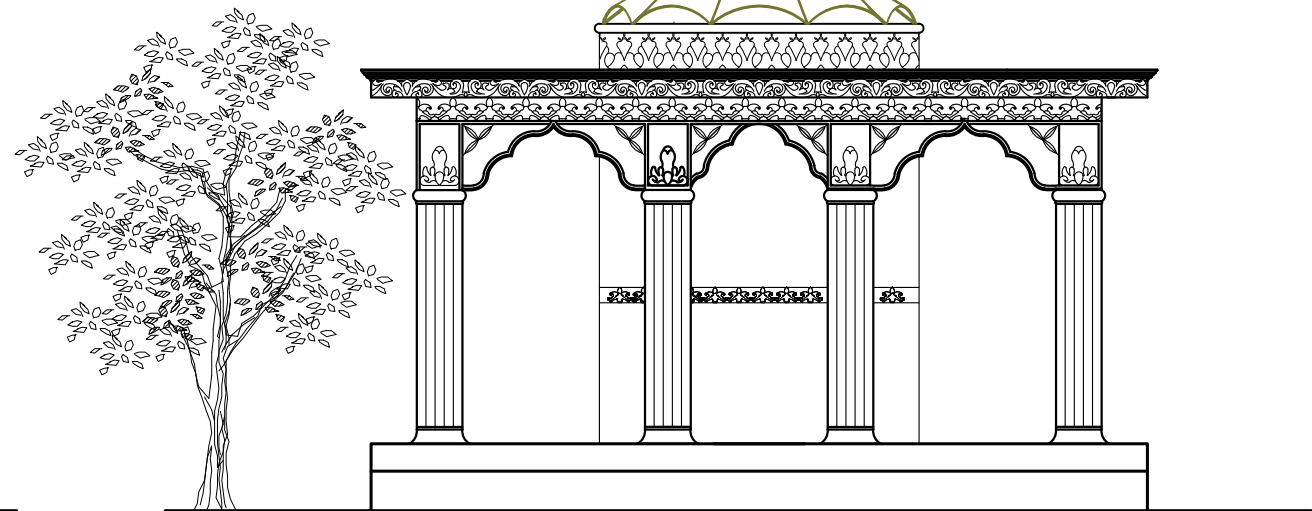
FLOOR PLAN



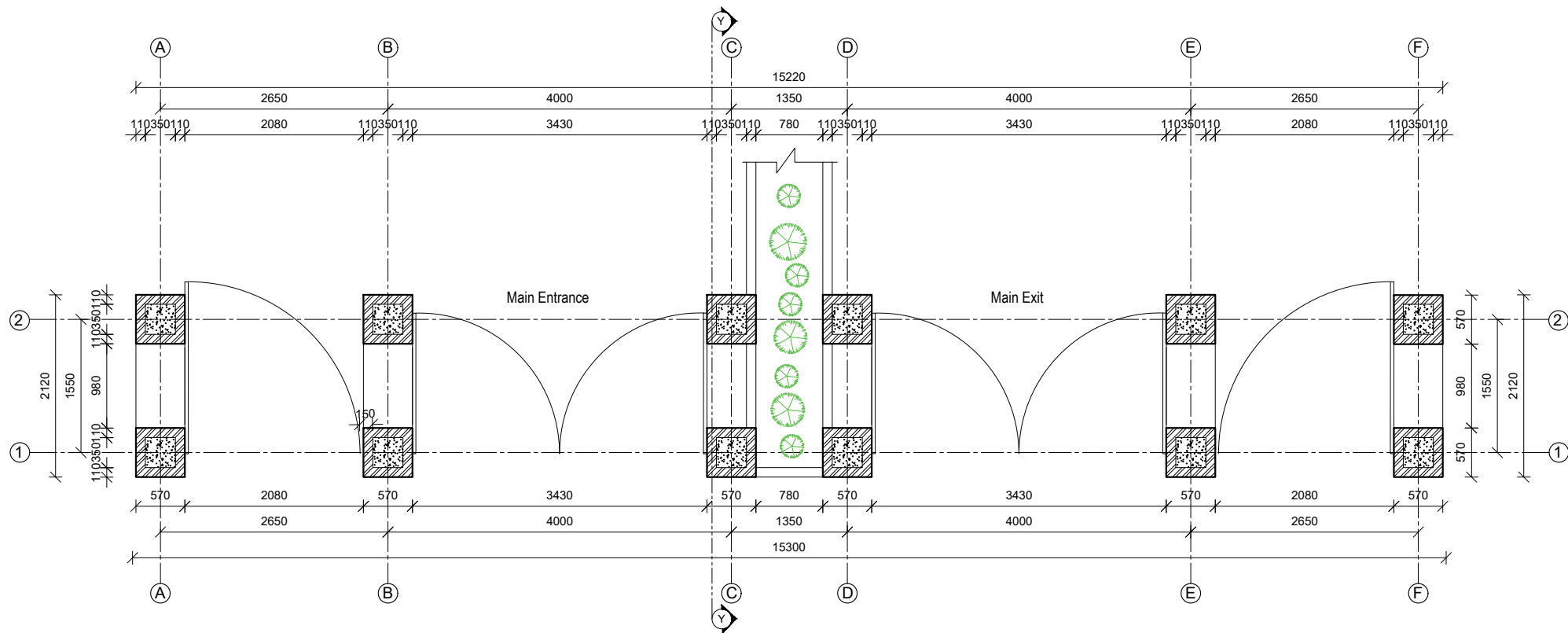
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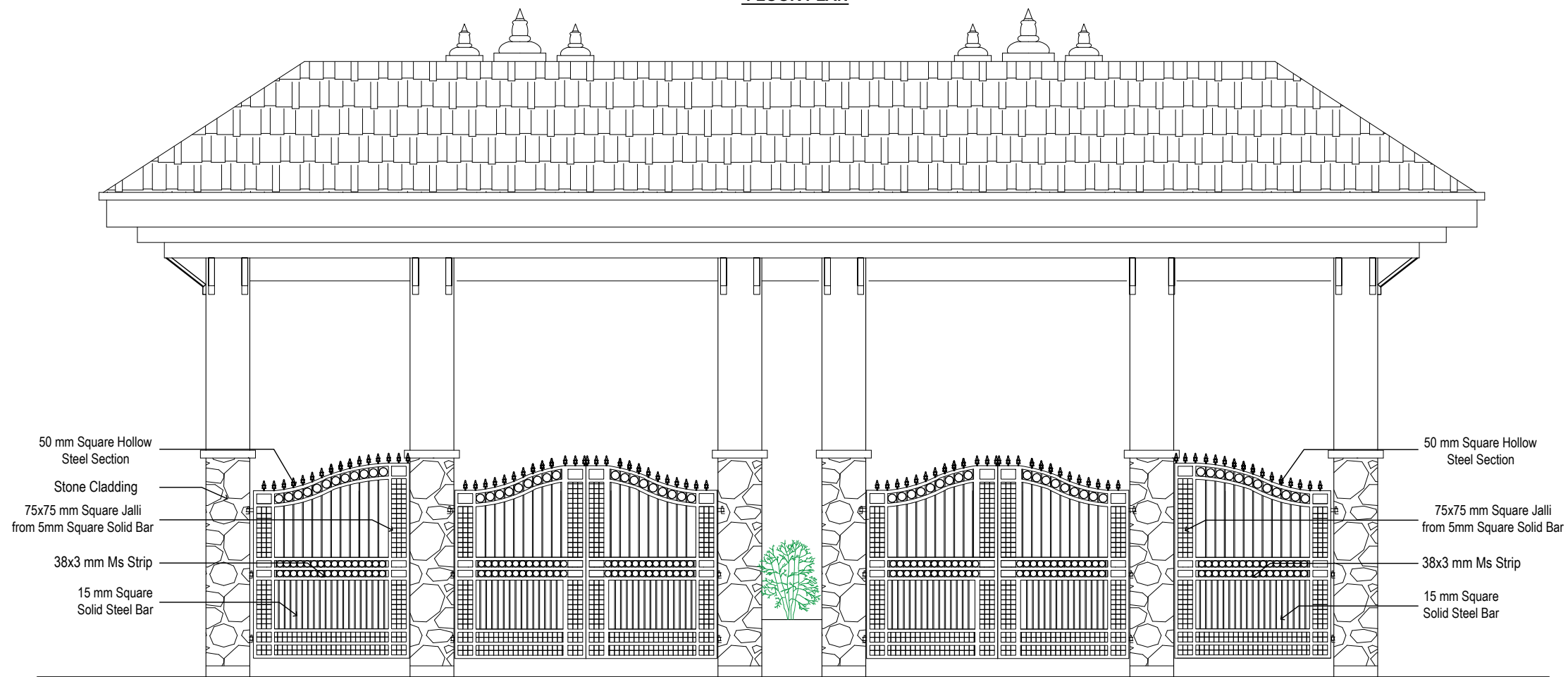
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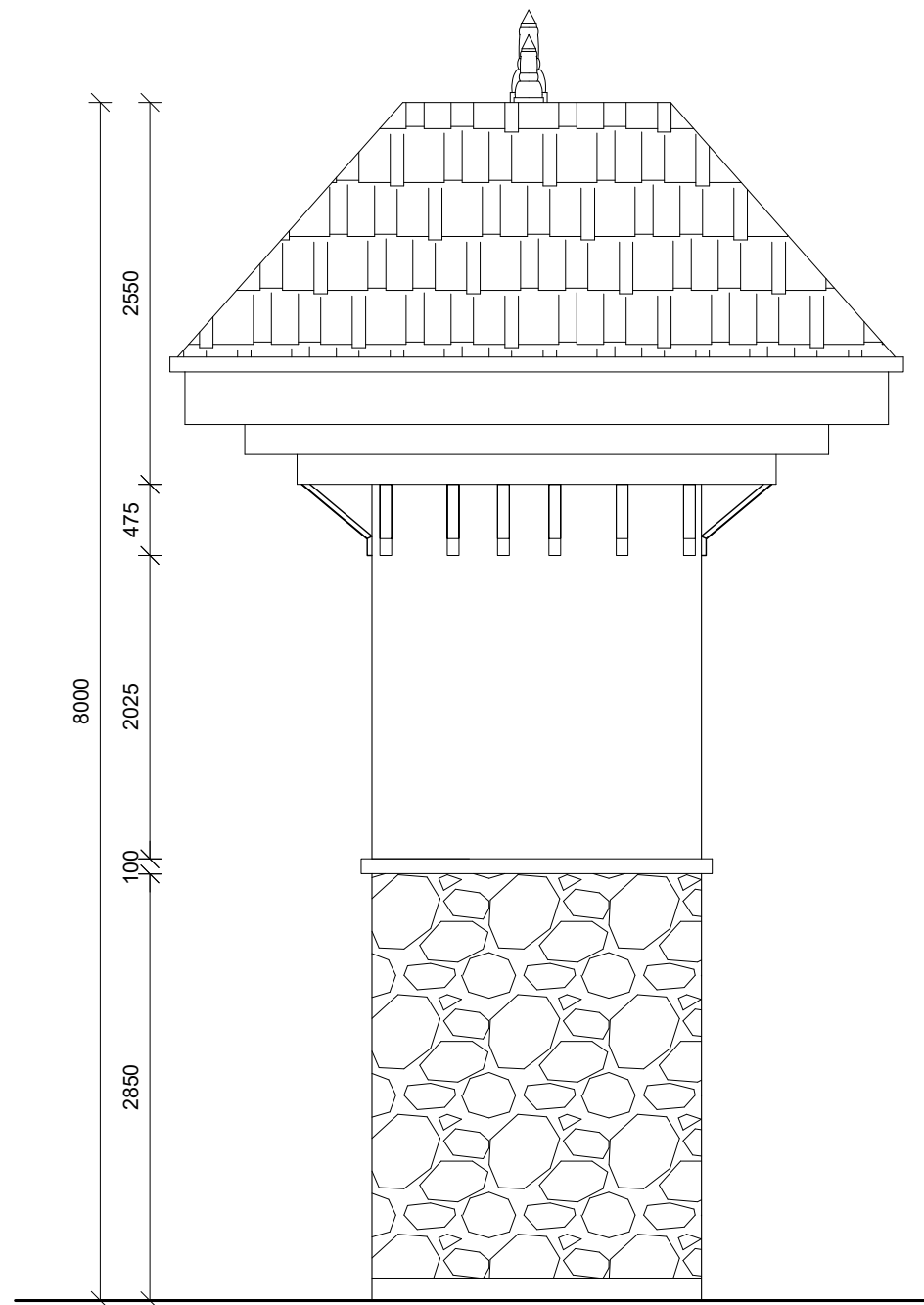
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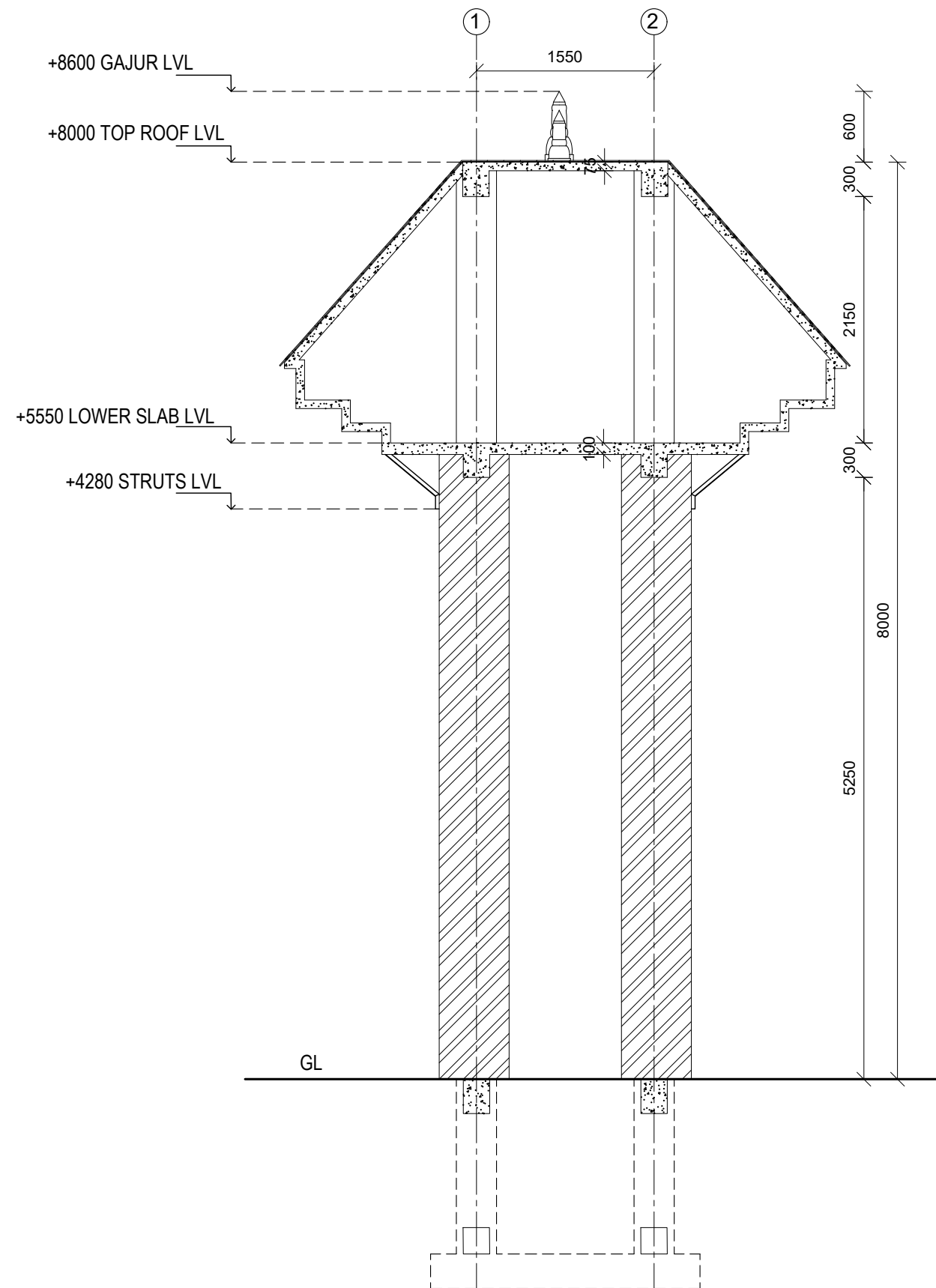
FLOOR PLAN



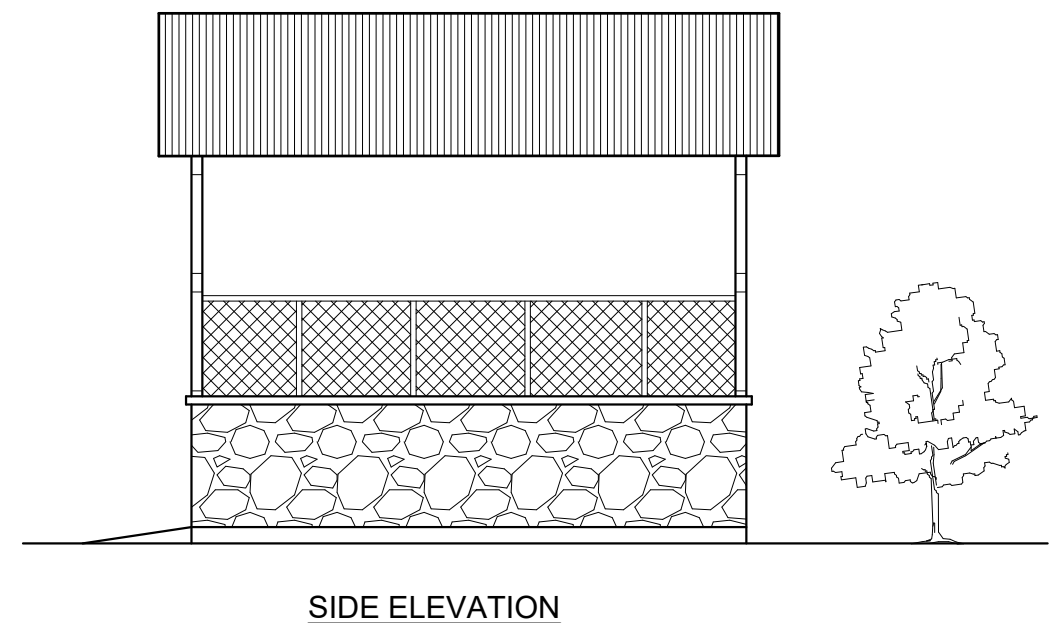
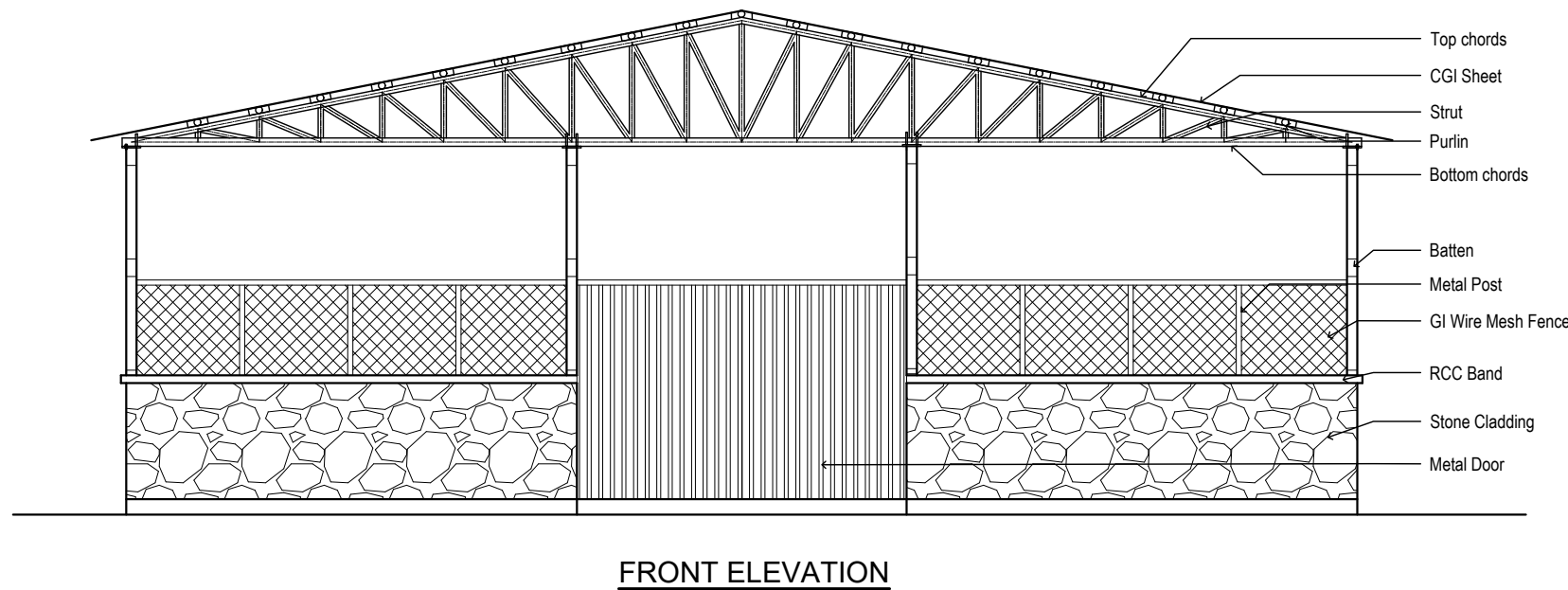
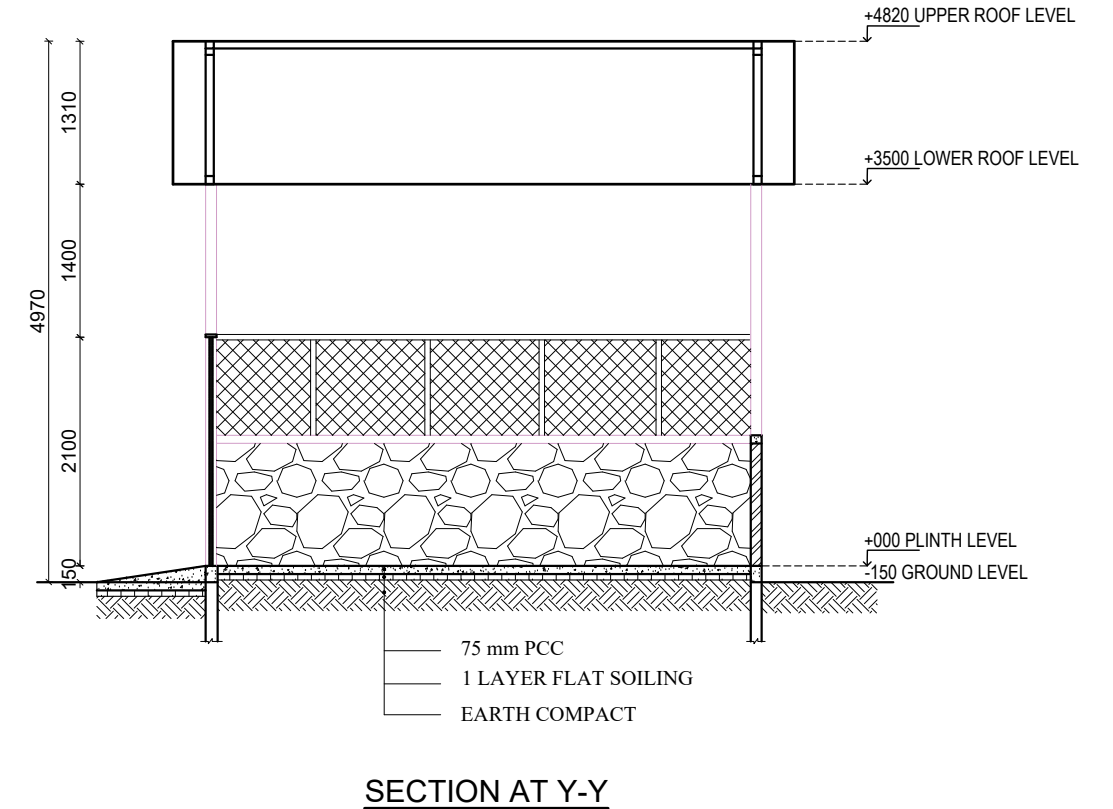
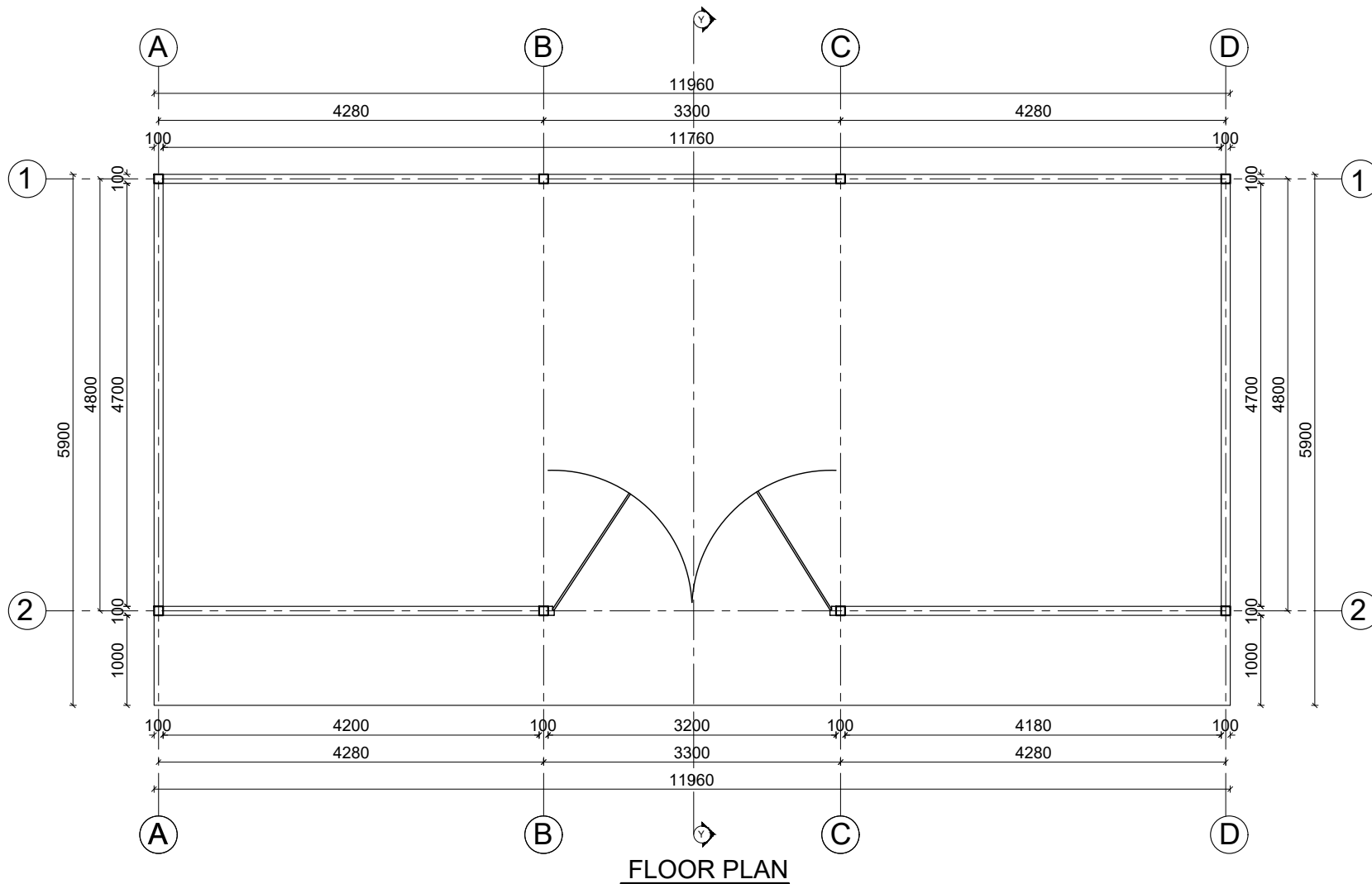
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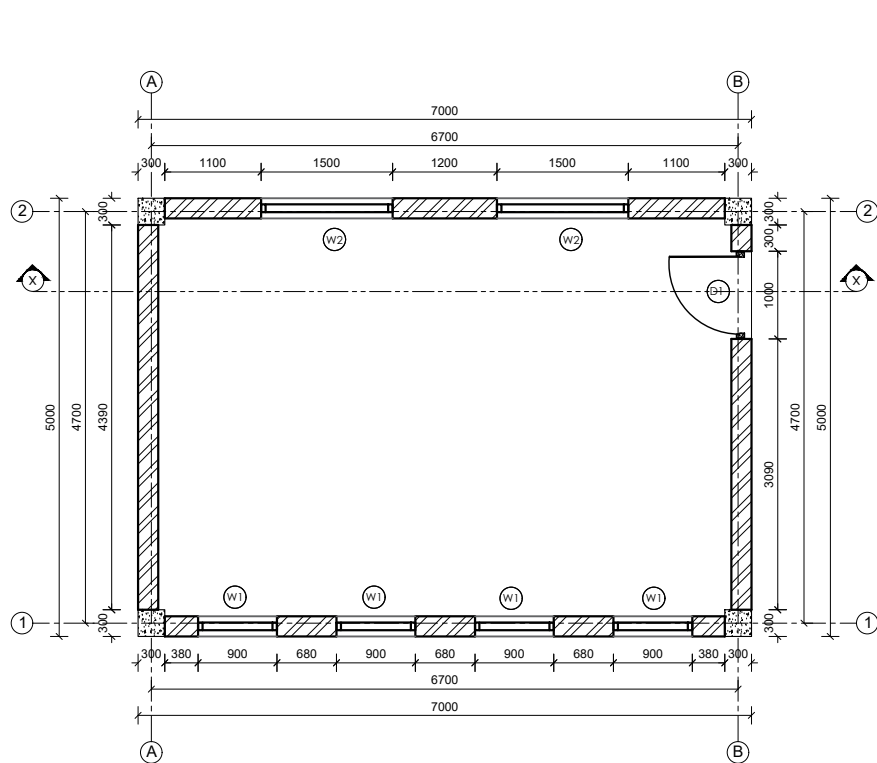


**SIDE ELEVATION**

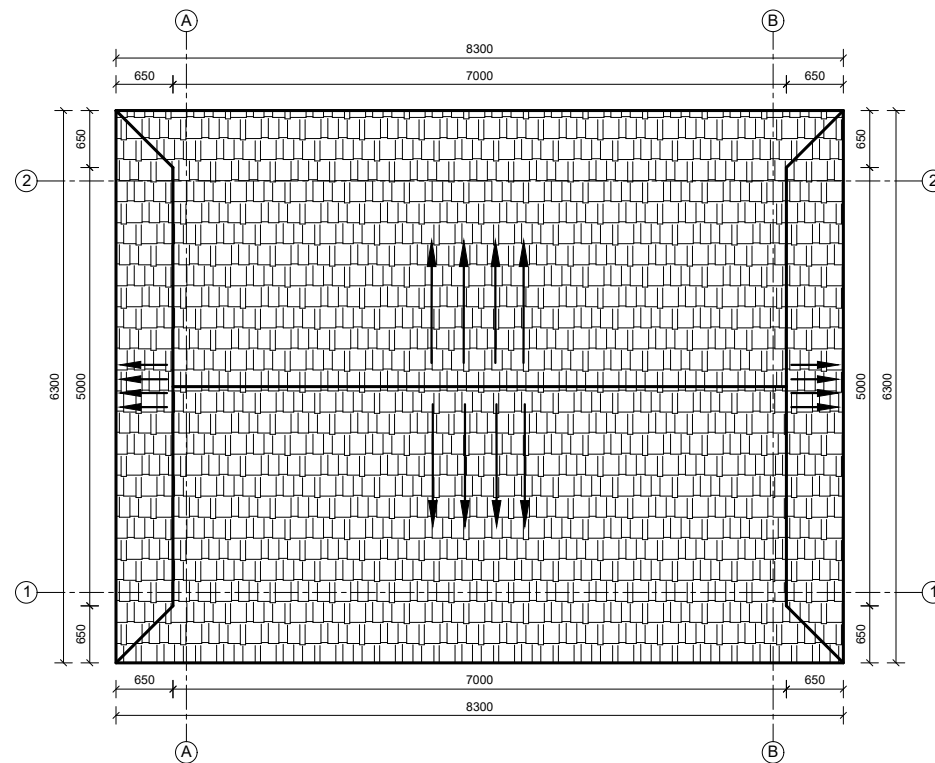


**SECTION AT Y-Y**

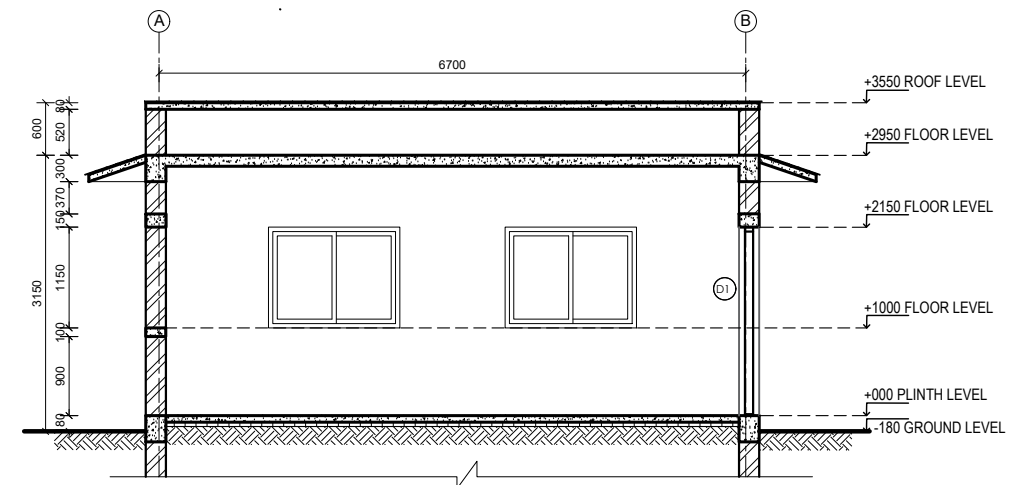




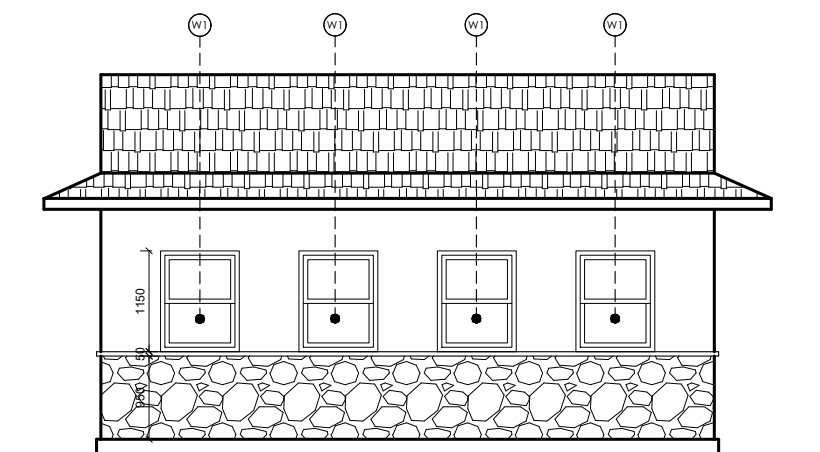
**GROUND FLOOR PLAN**



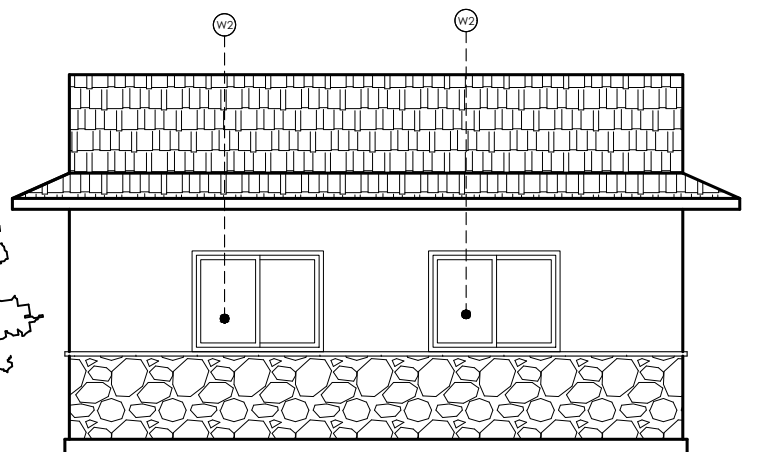
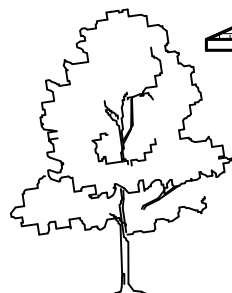
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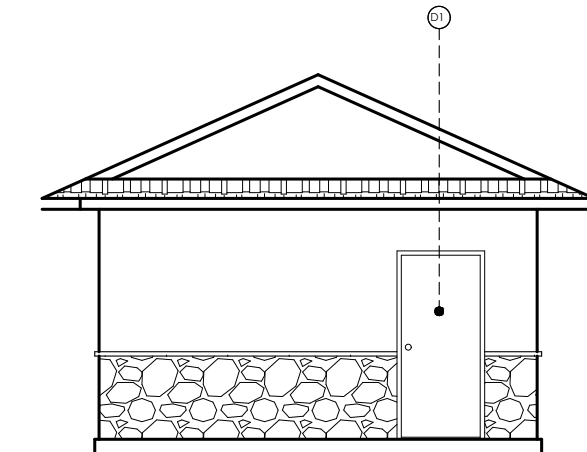
**ROOF PLAN**



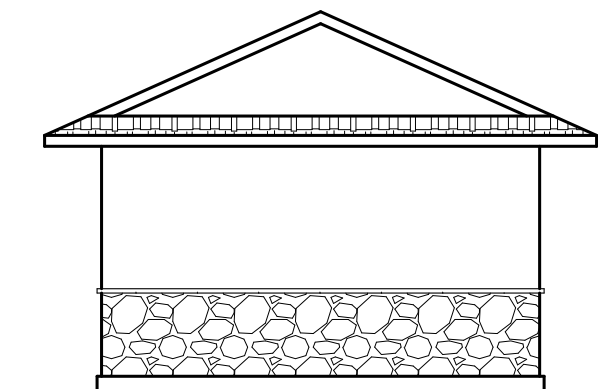
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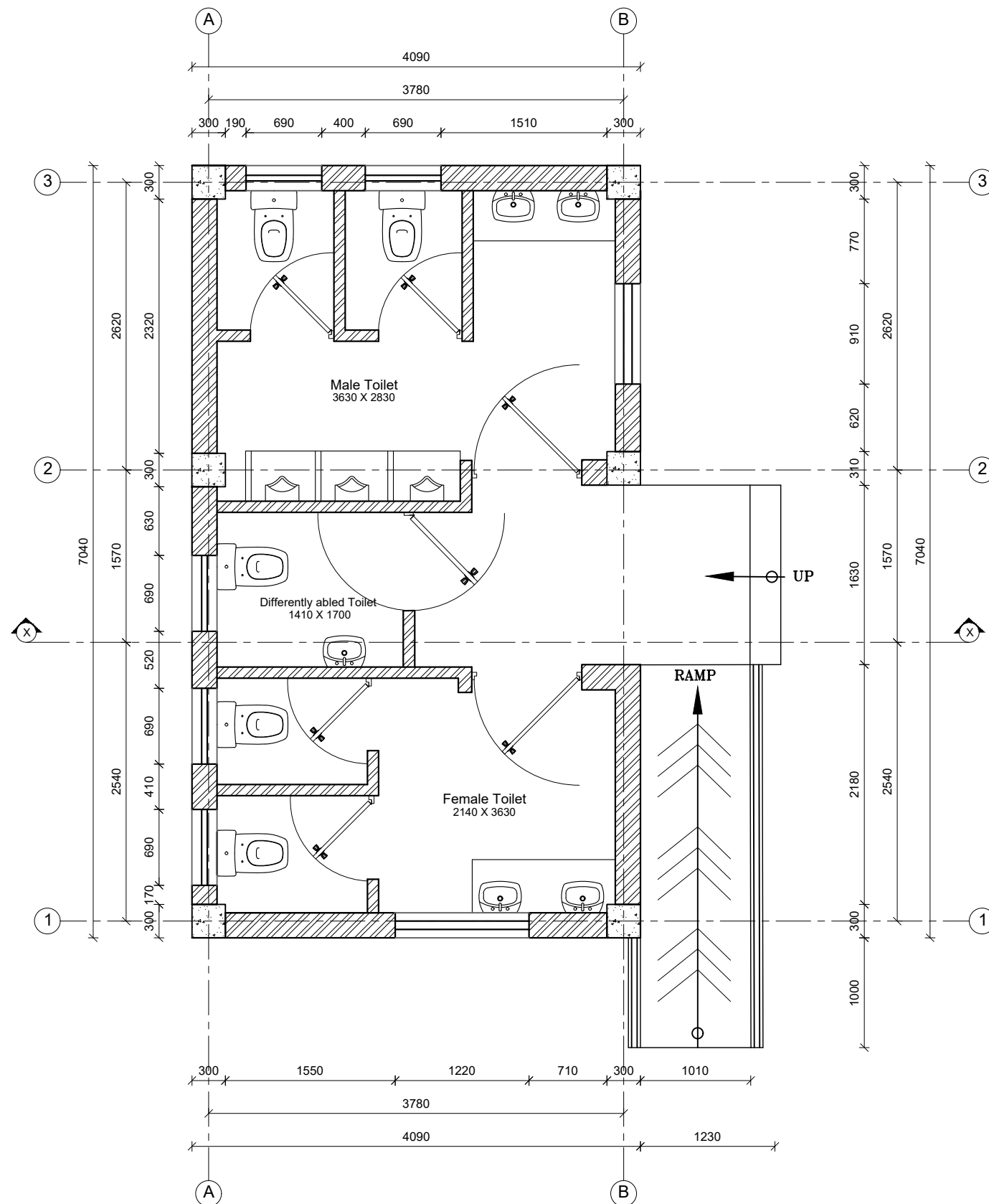
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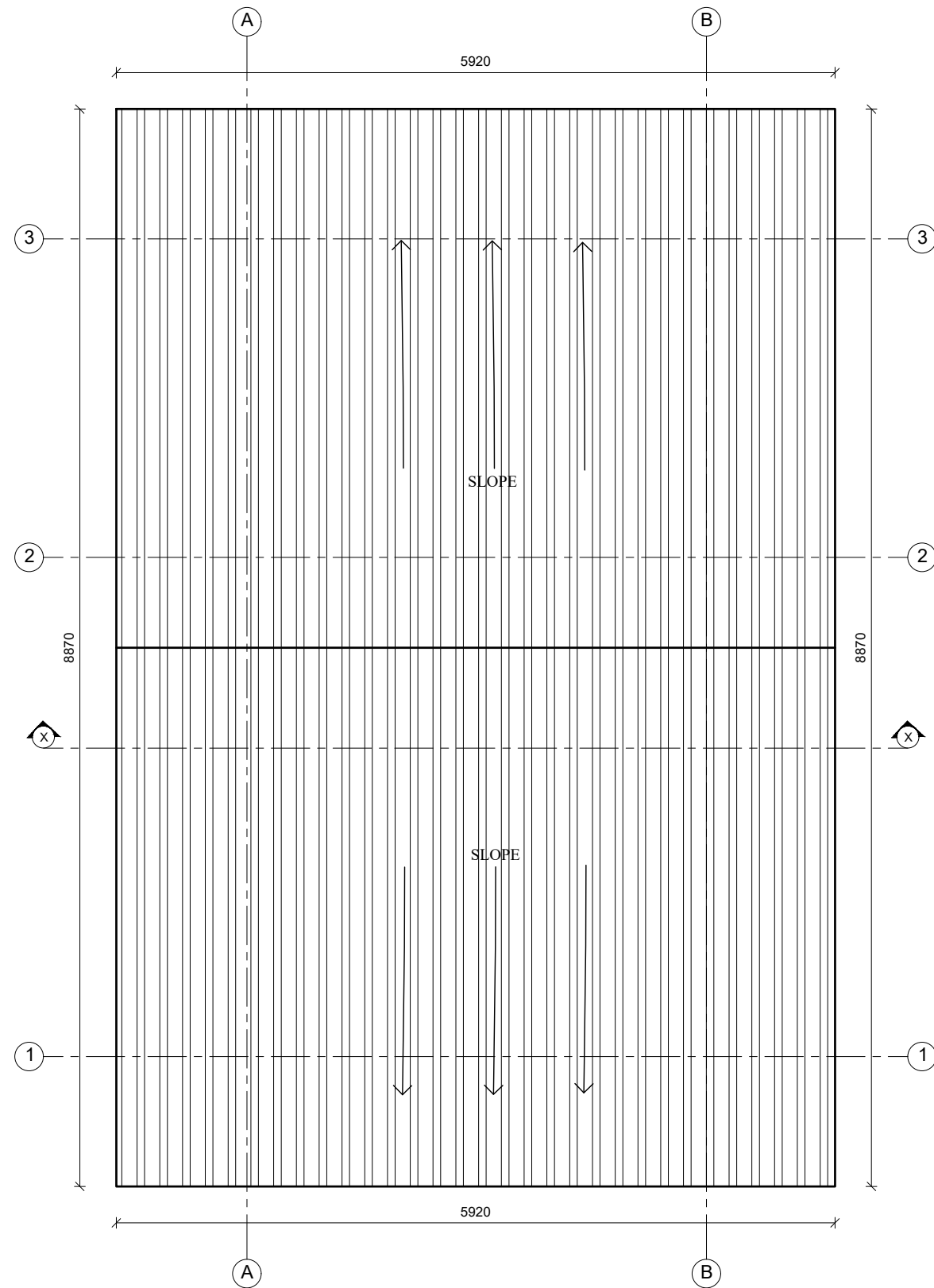
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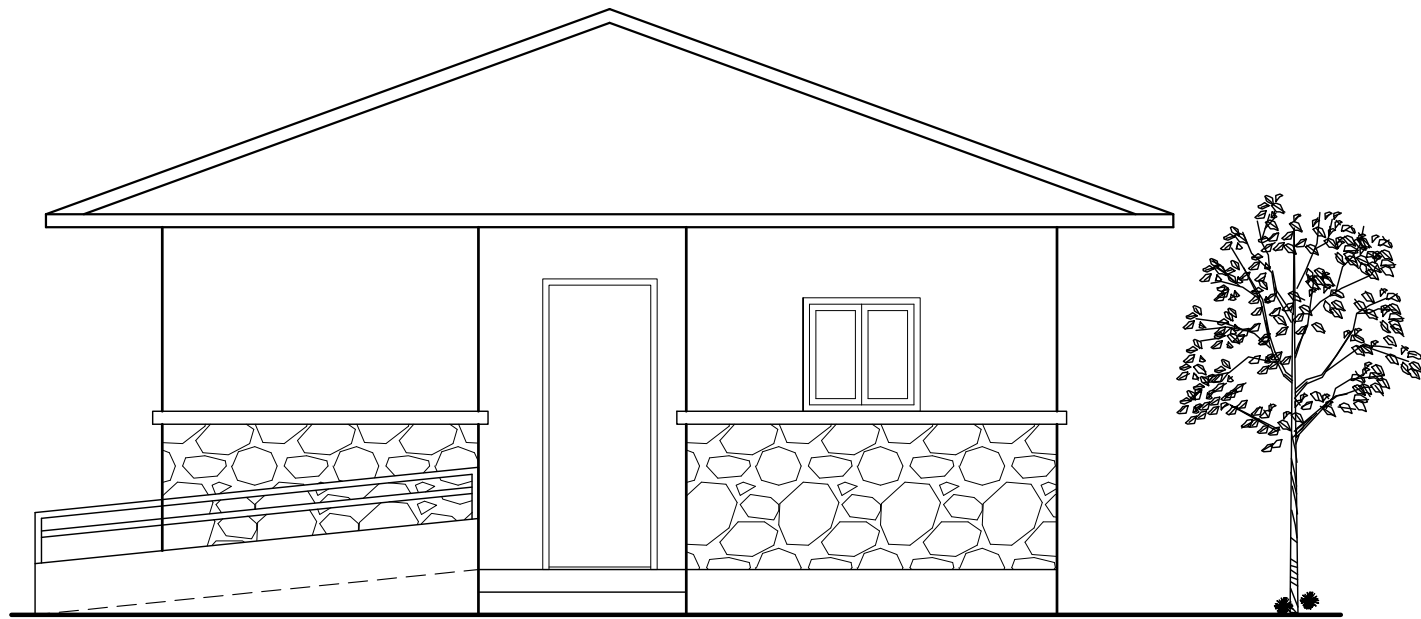
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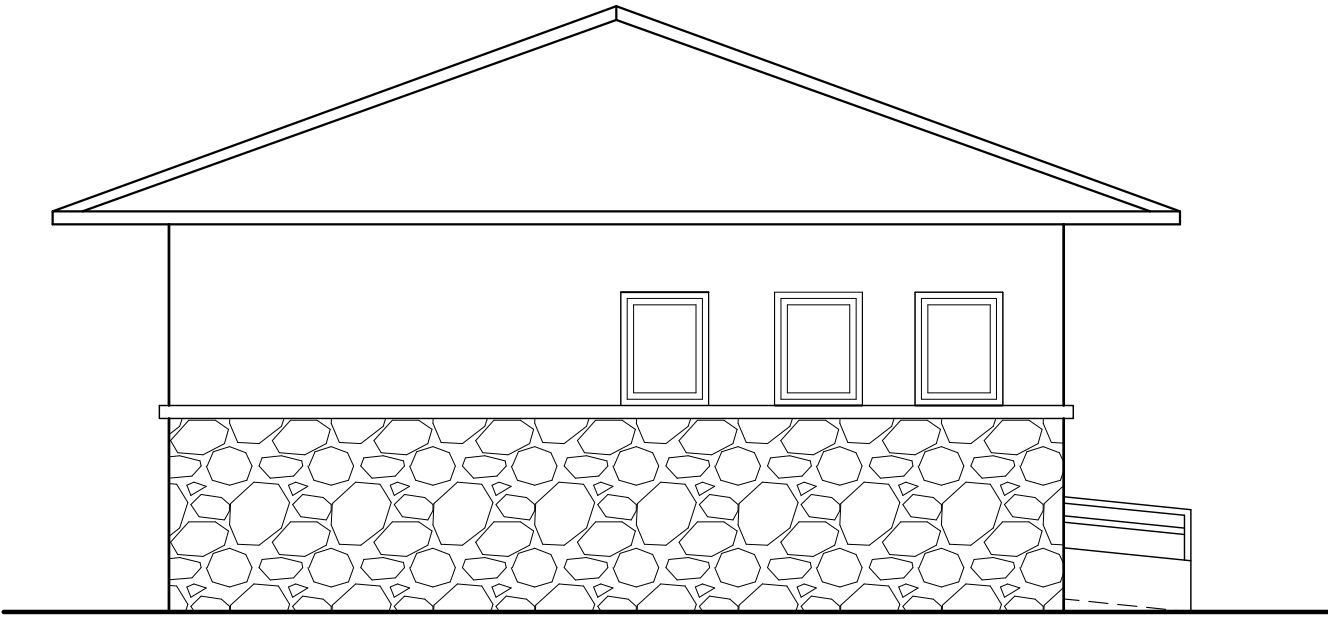
GROUND FLOOR PLAN



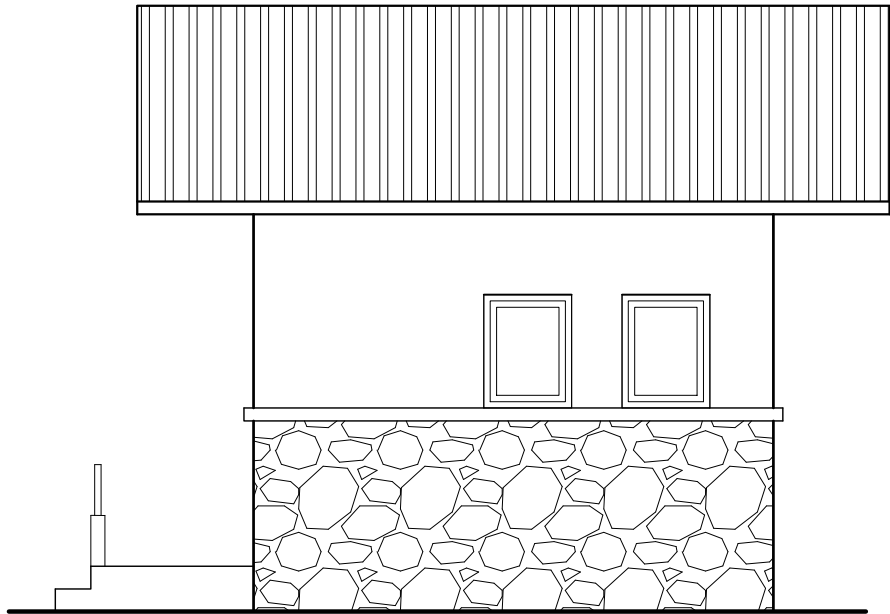
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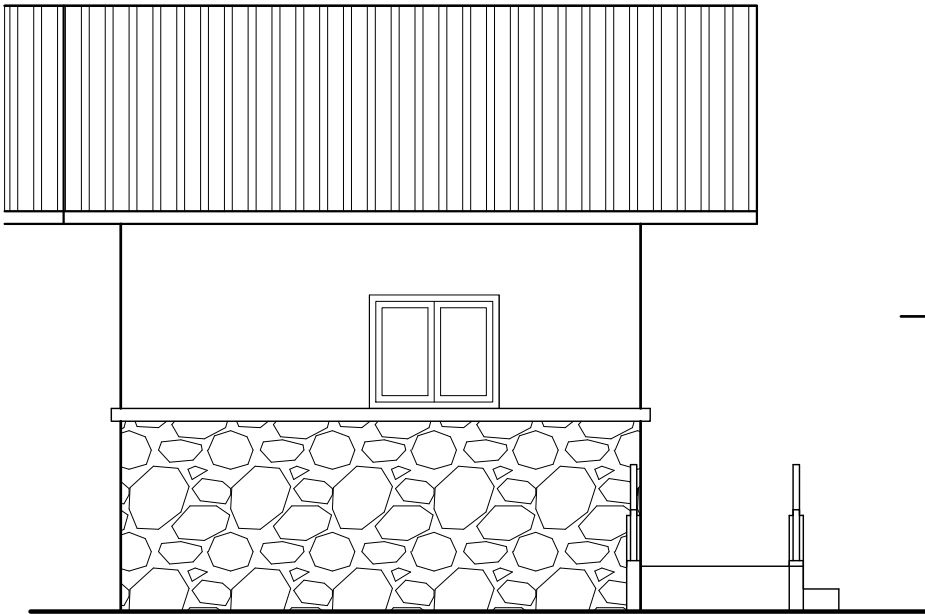
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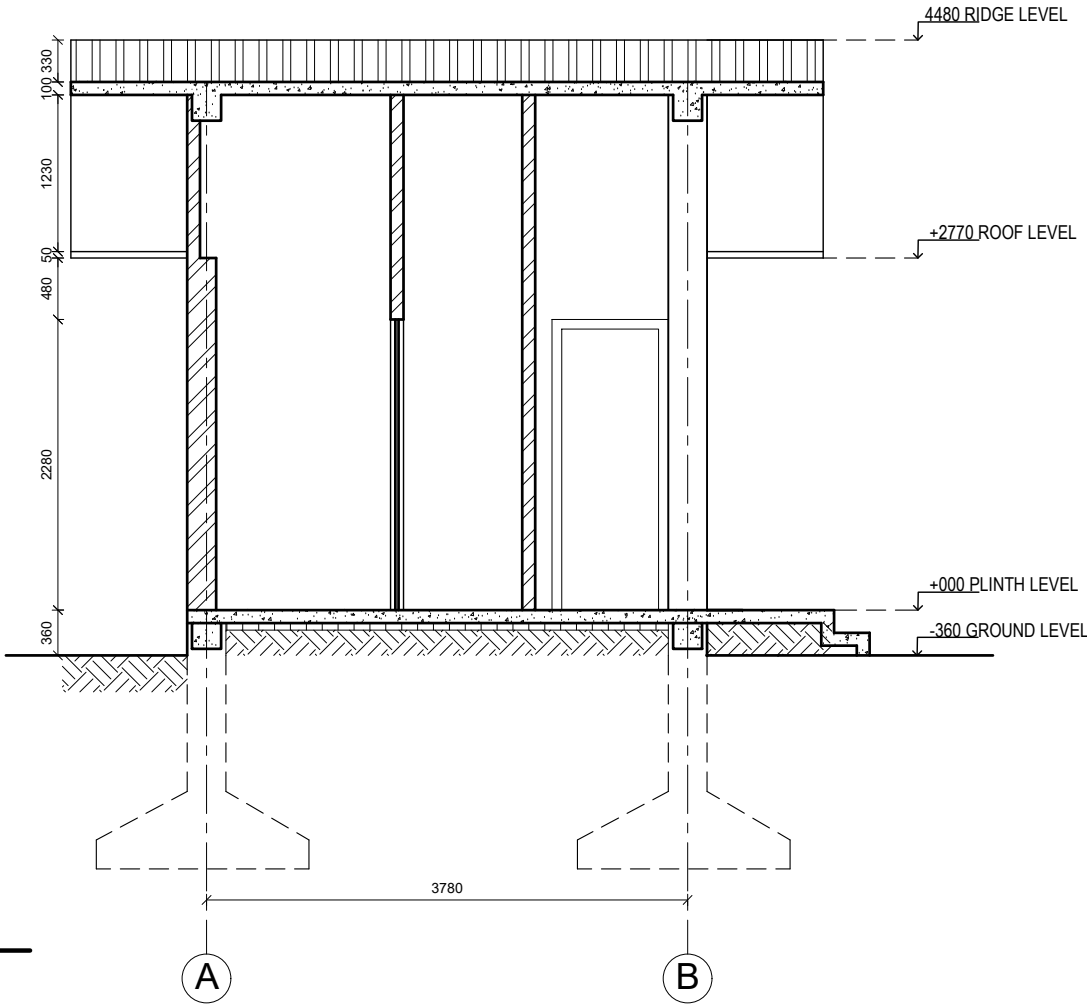
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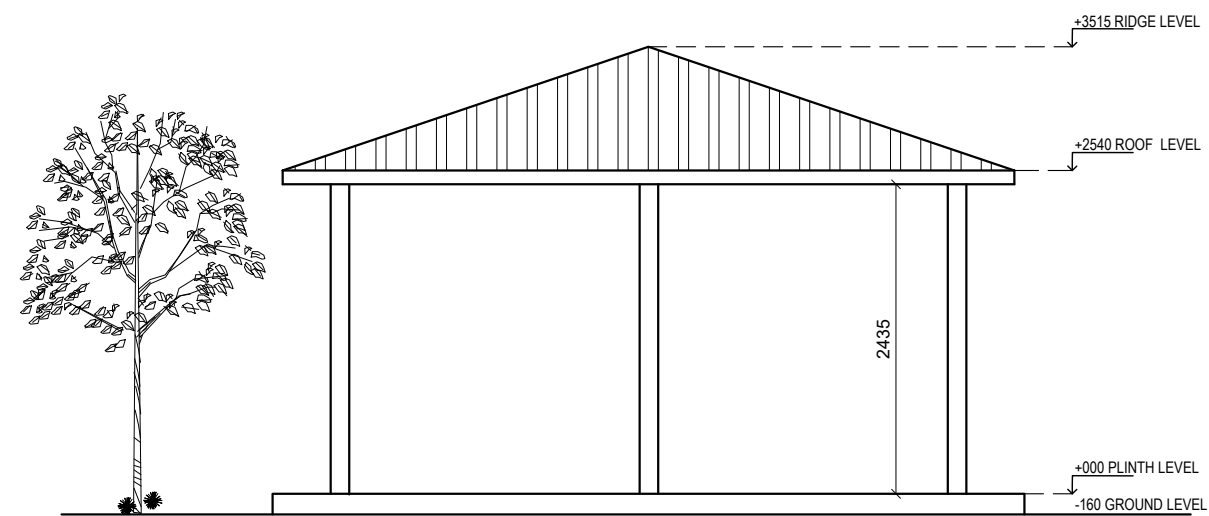
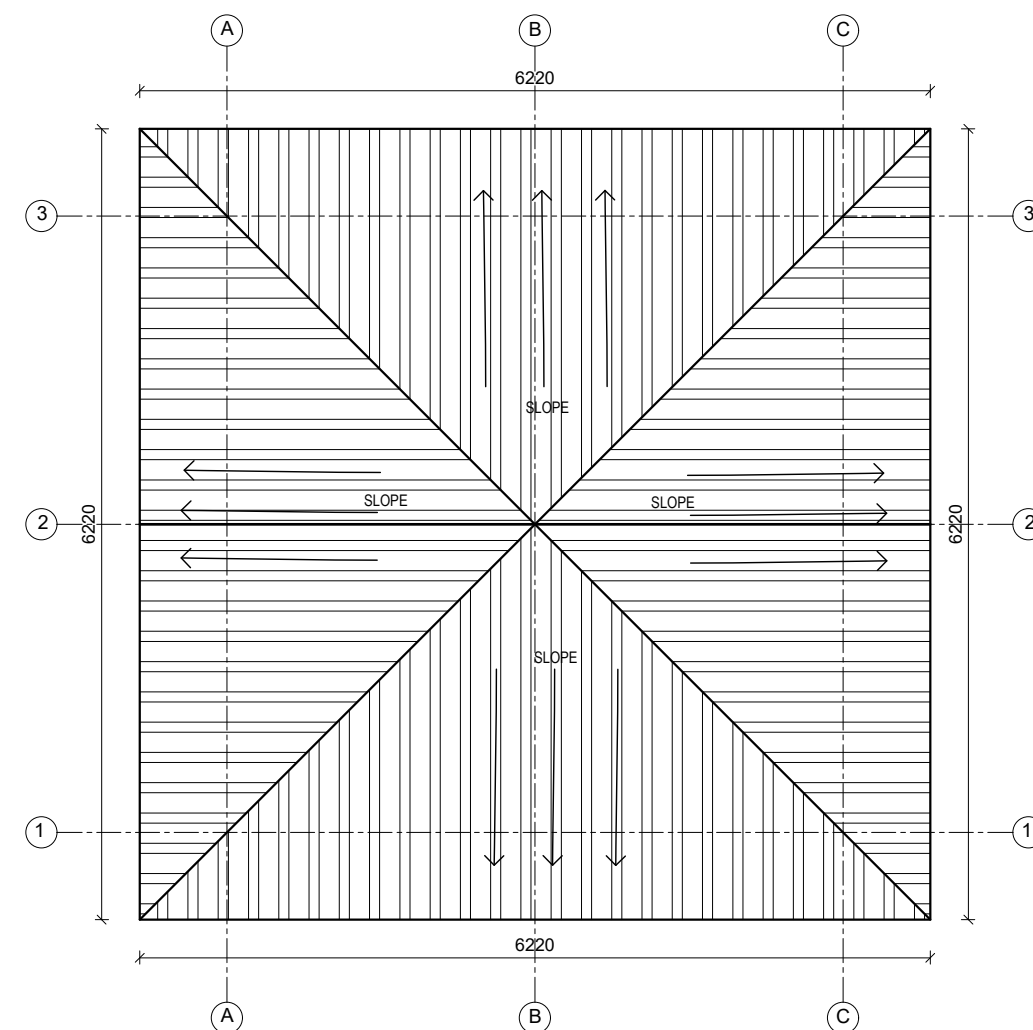
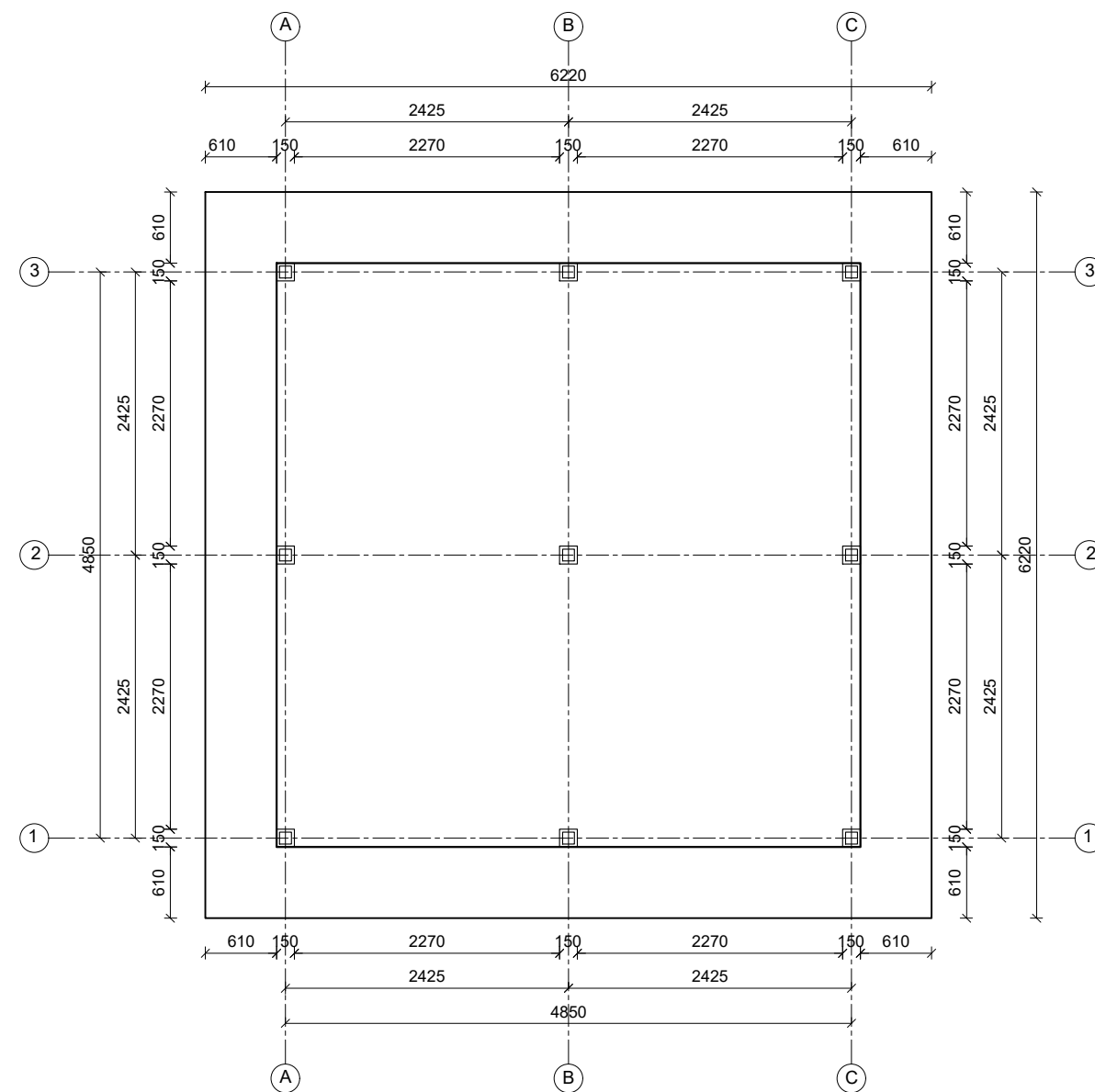
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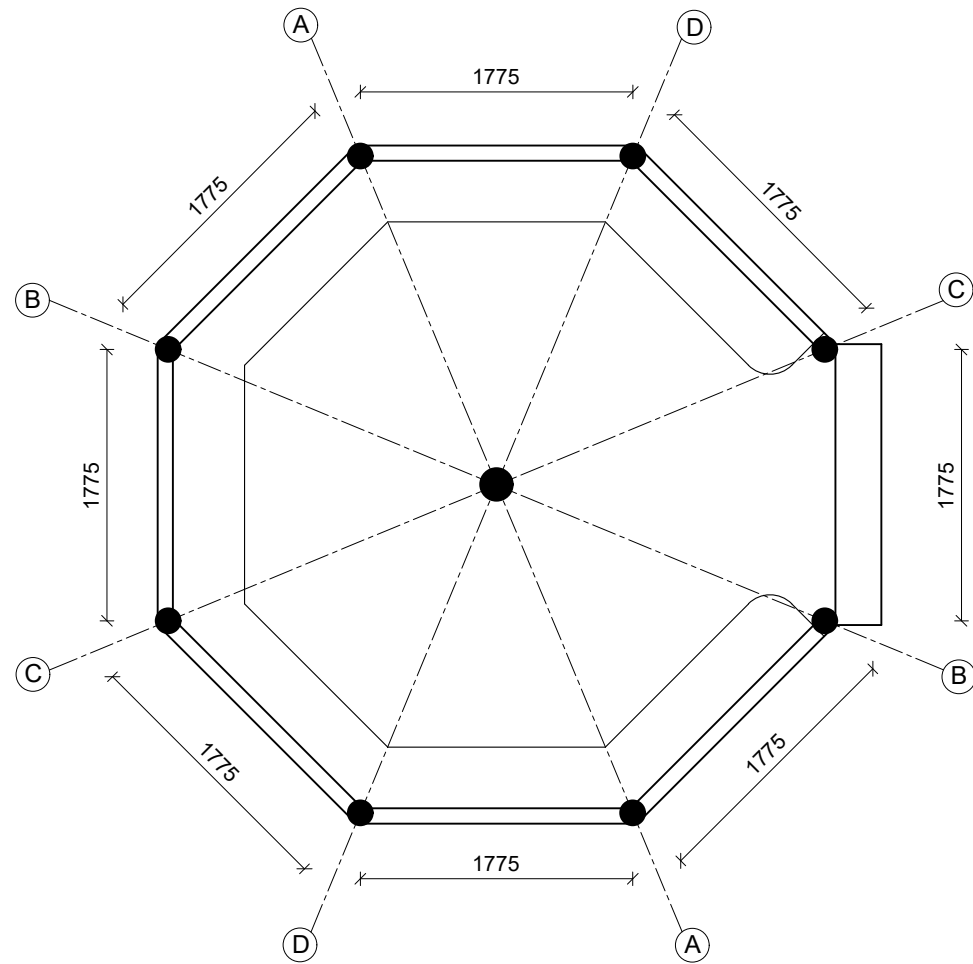


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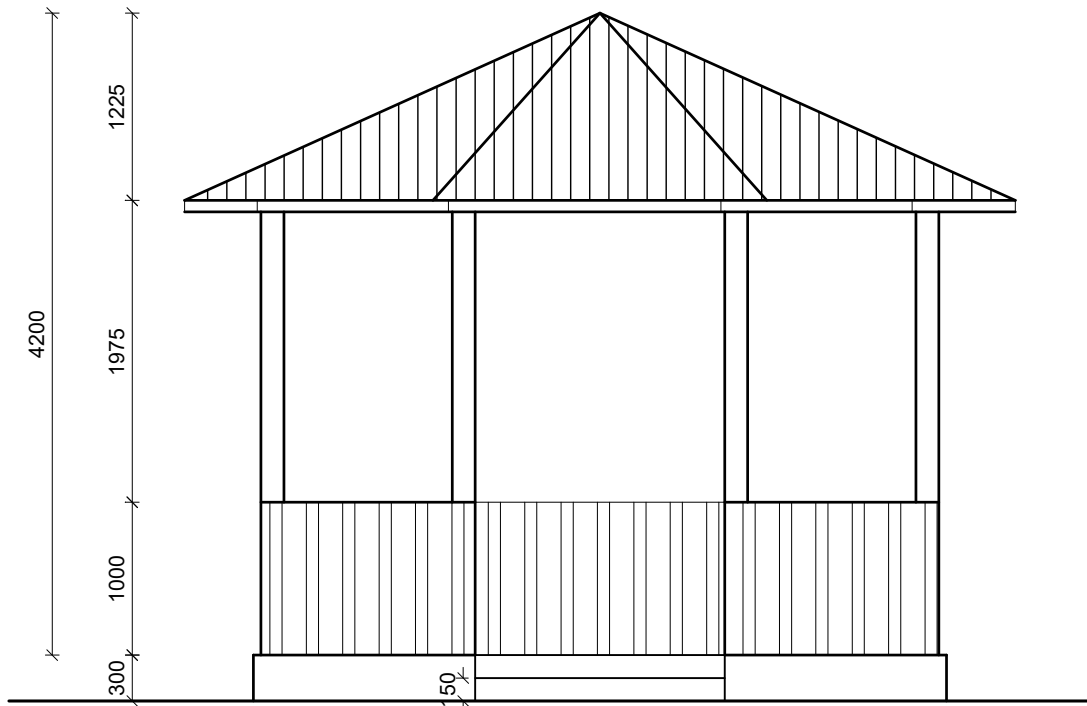


SECTION AT X-X

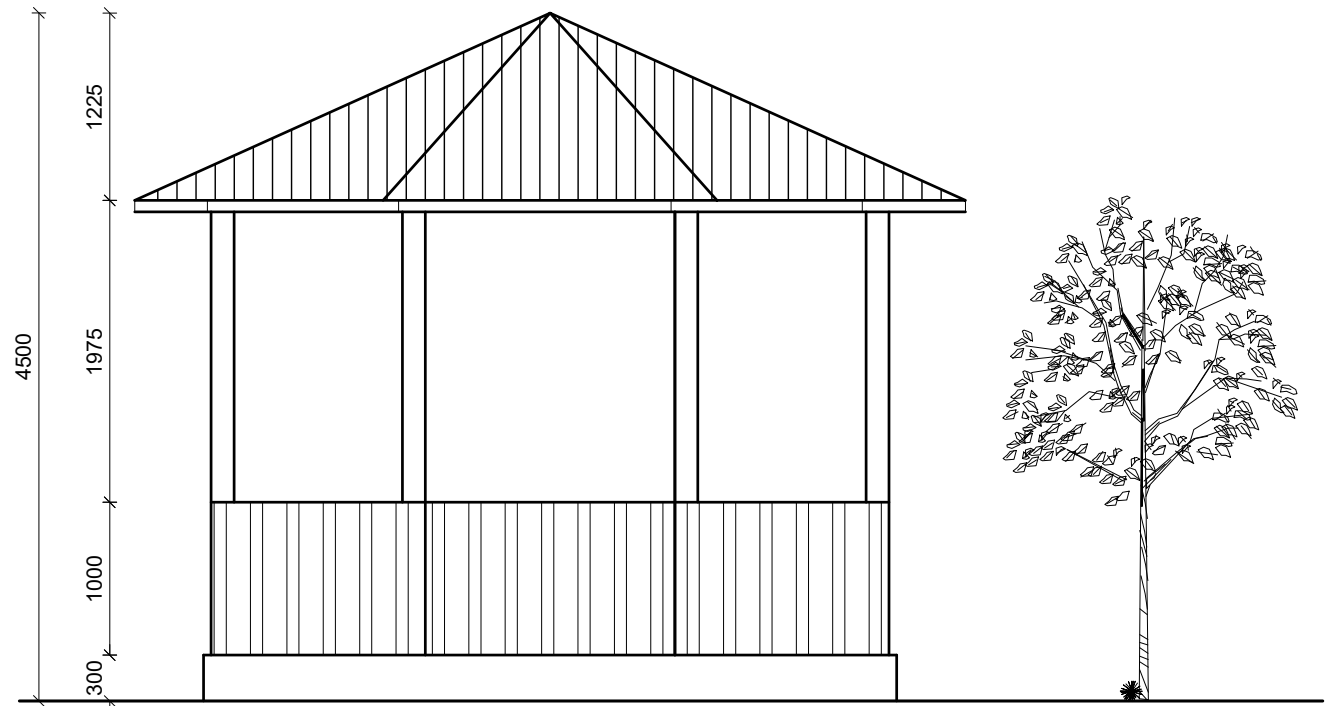




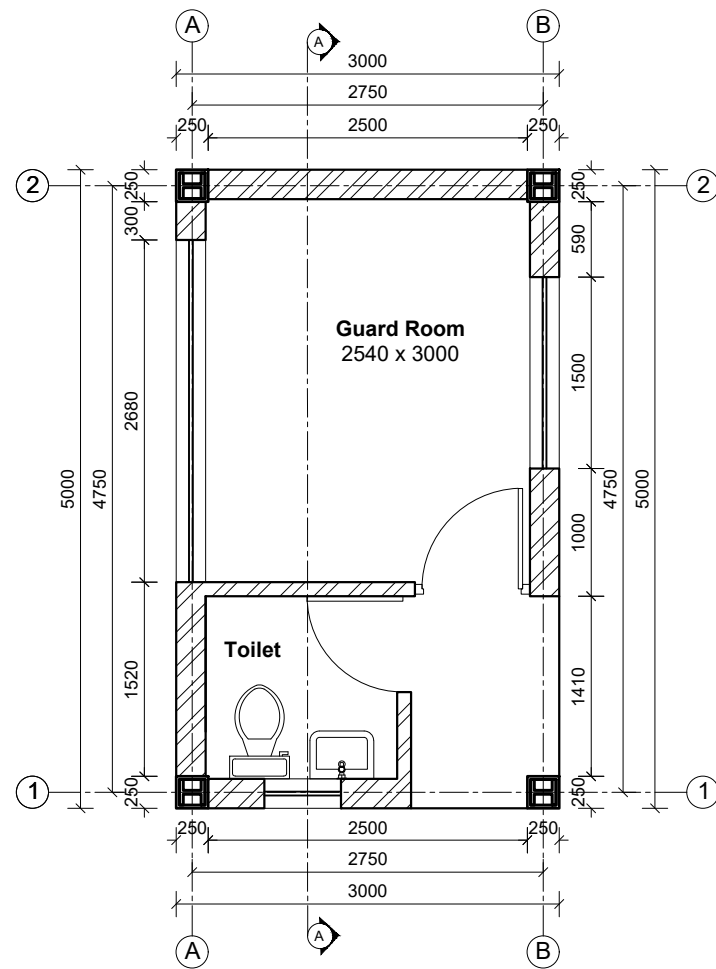
**FLOOR PLAN**



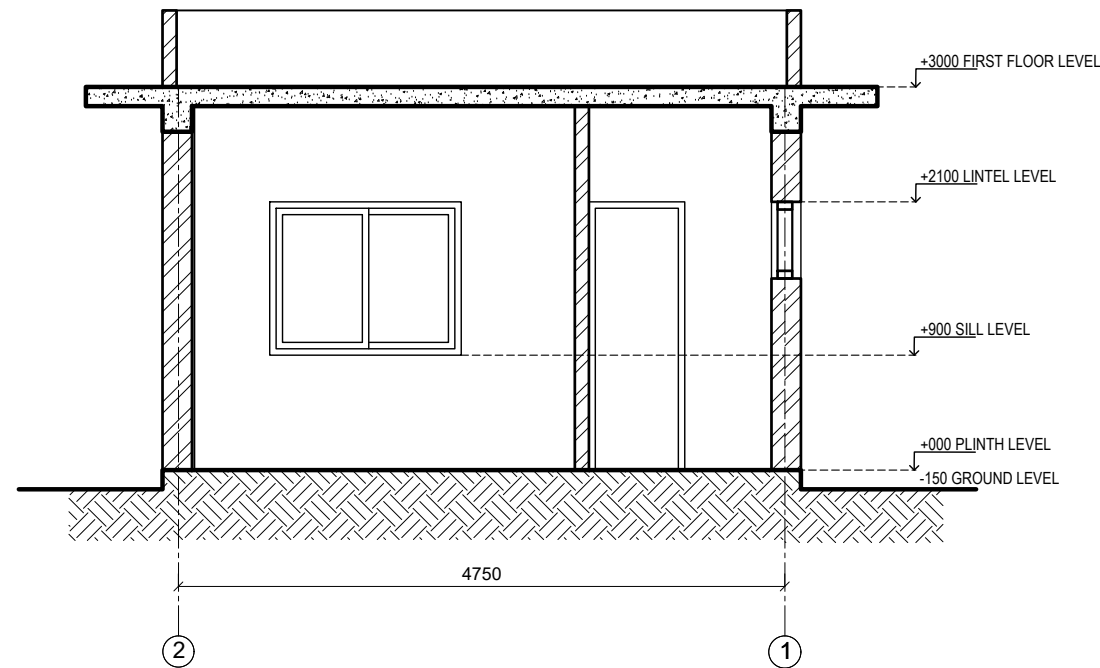
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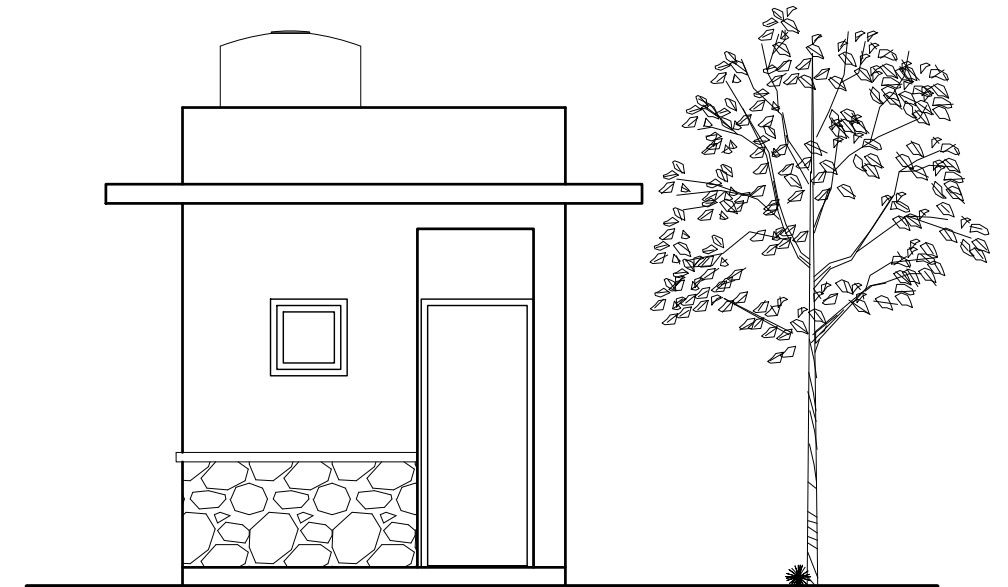
**SIDE ELEVATION**



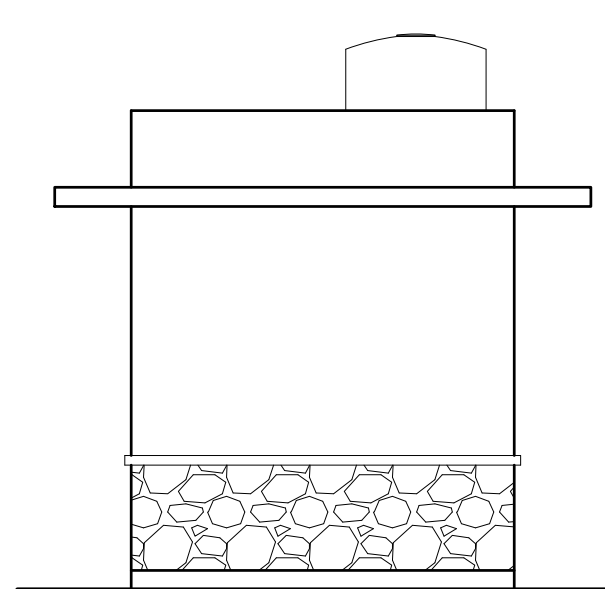
**GROUND FLOOR PLAN**



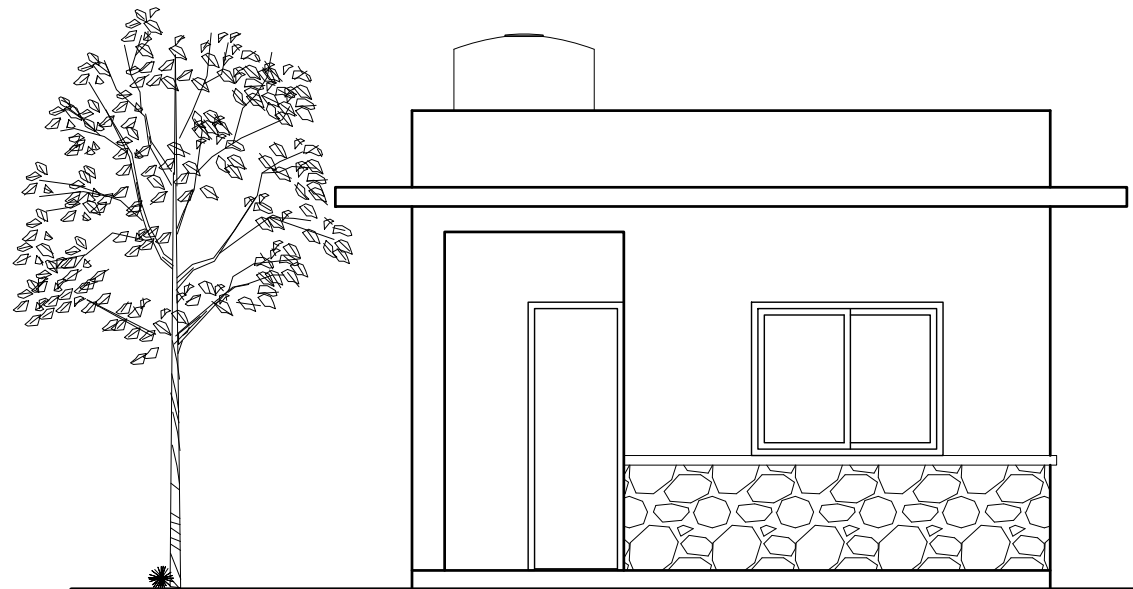
**SECTION AT A-A**



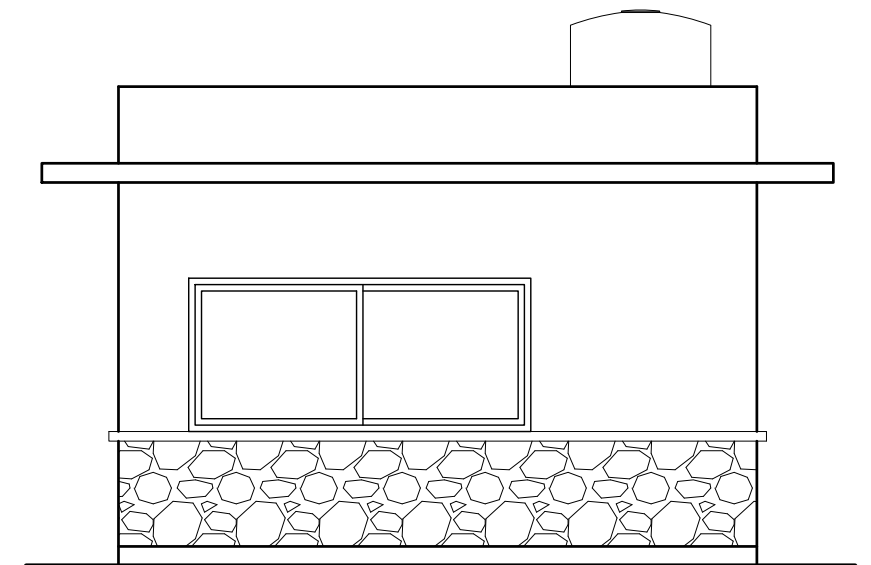
**SIDE ELEVATION**



**SIDE ELEVATION**

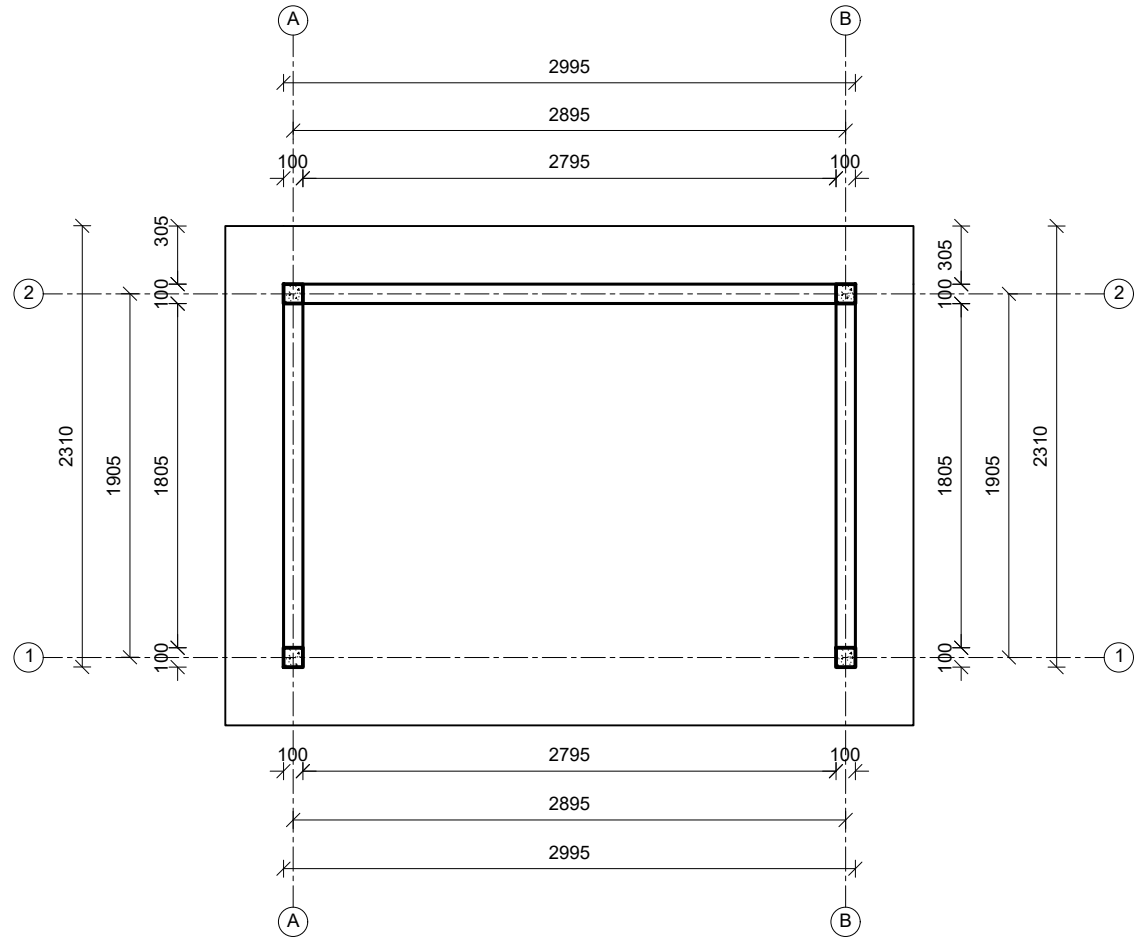


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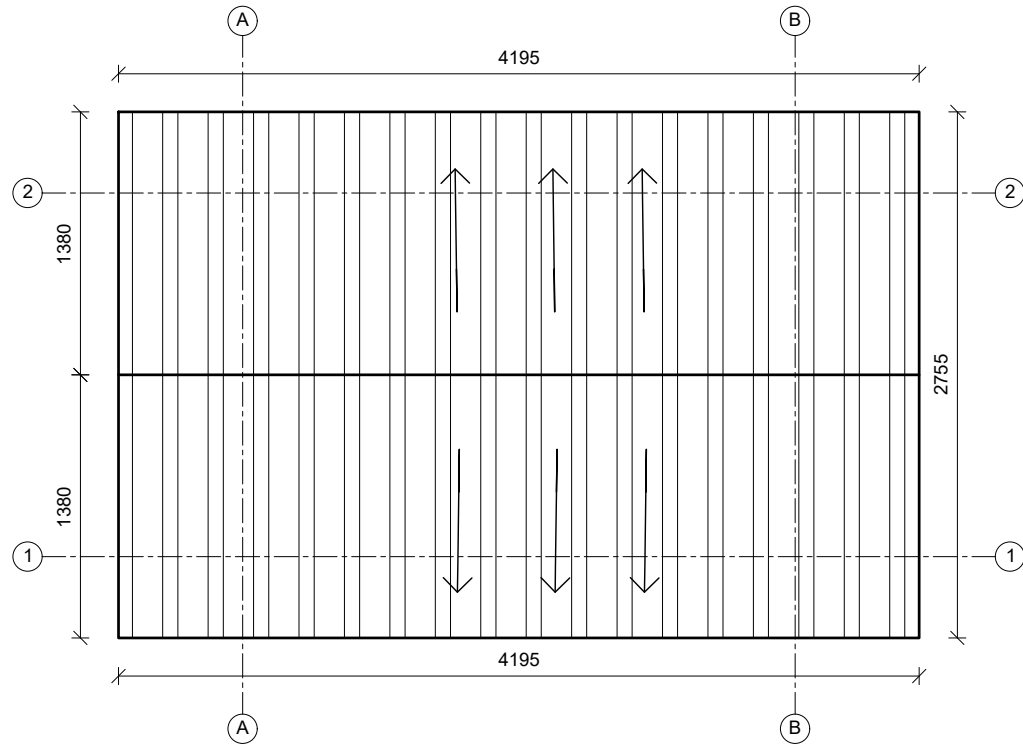


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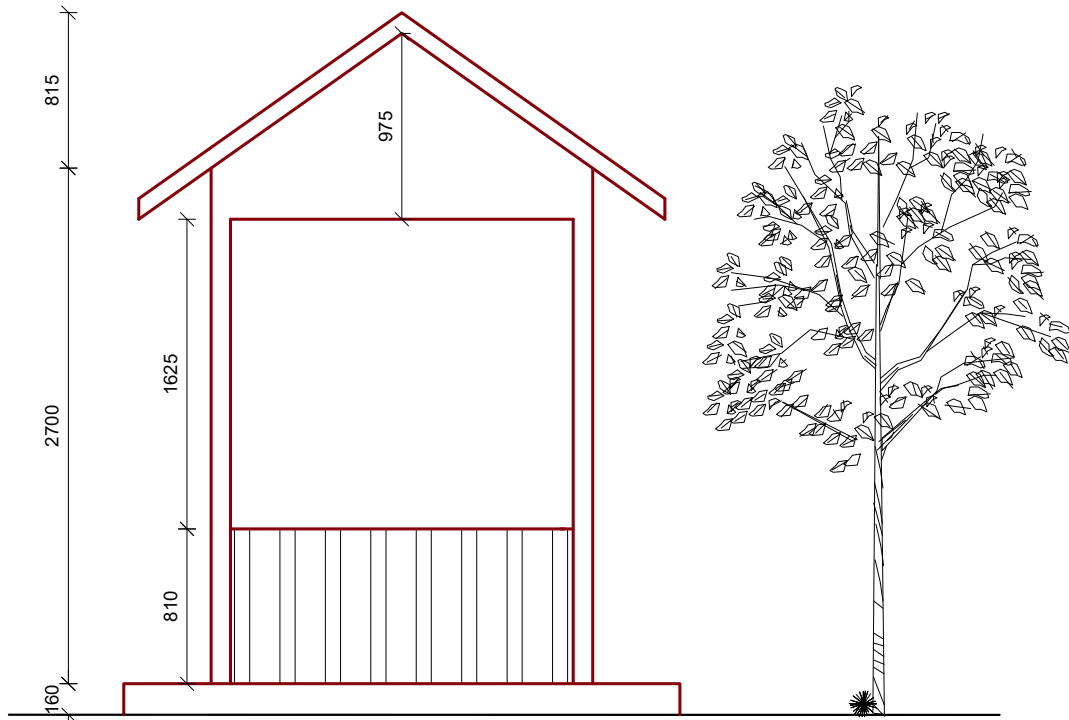
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|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------|----------------------------------------------------------------------|--------------------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Guard House | SCALE: 1:60      | DESIGNED BY :<br>Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No.<br>AR-17 |
|                                                        |                                                                                                                                                                             |                             | DATE: June, 2024 |                                                                      |                    |



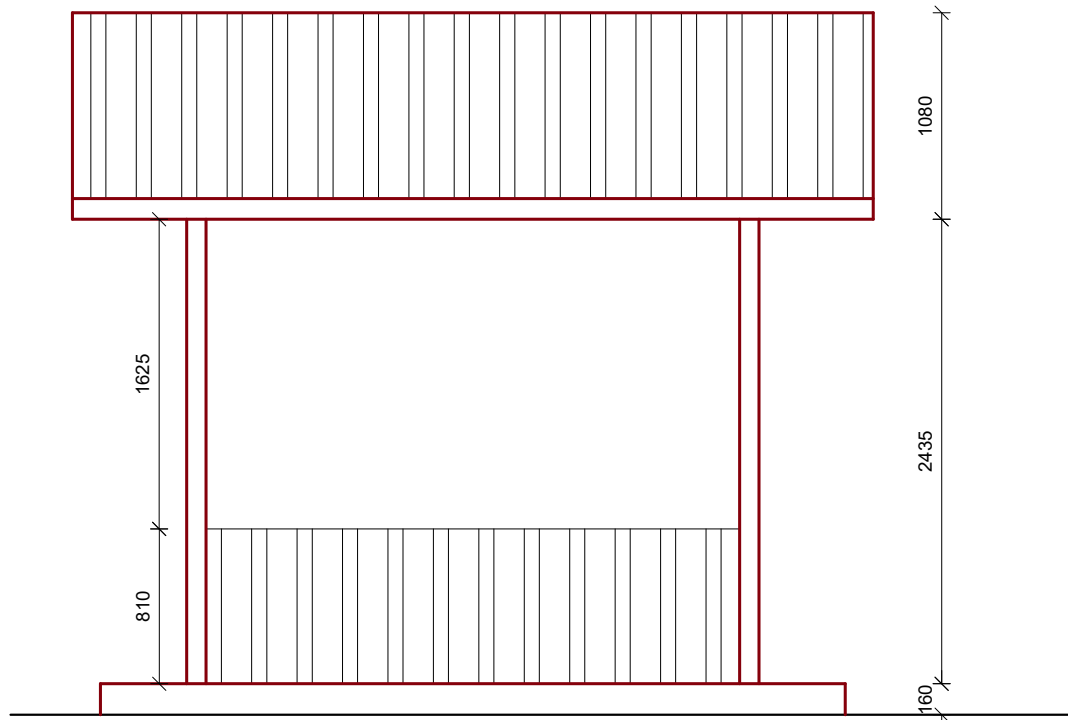
FLOOR PLAN



ROOF PLAN

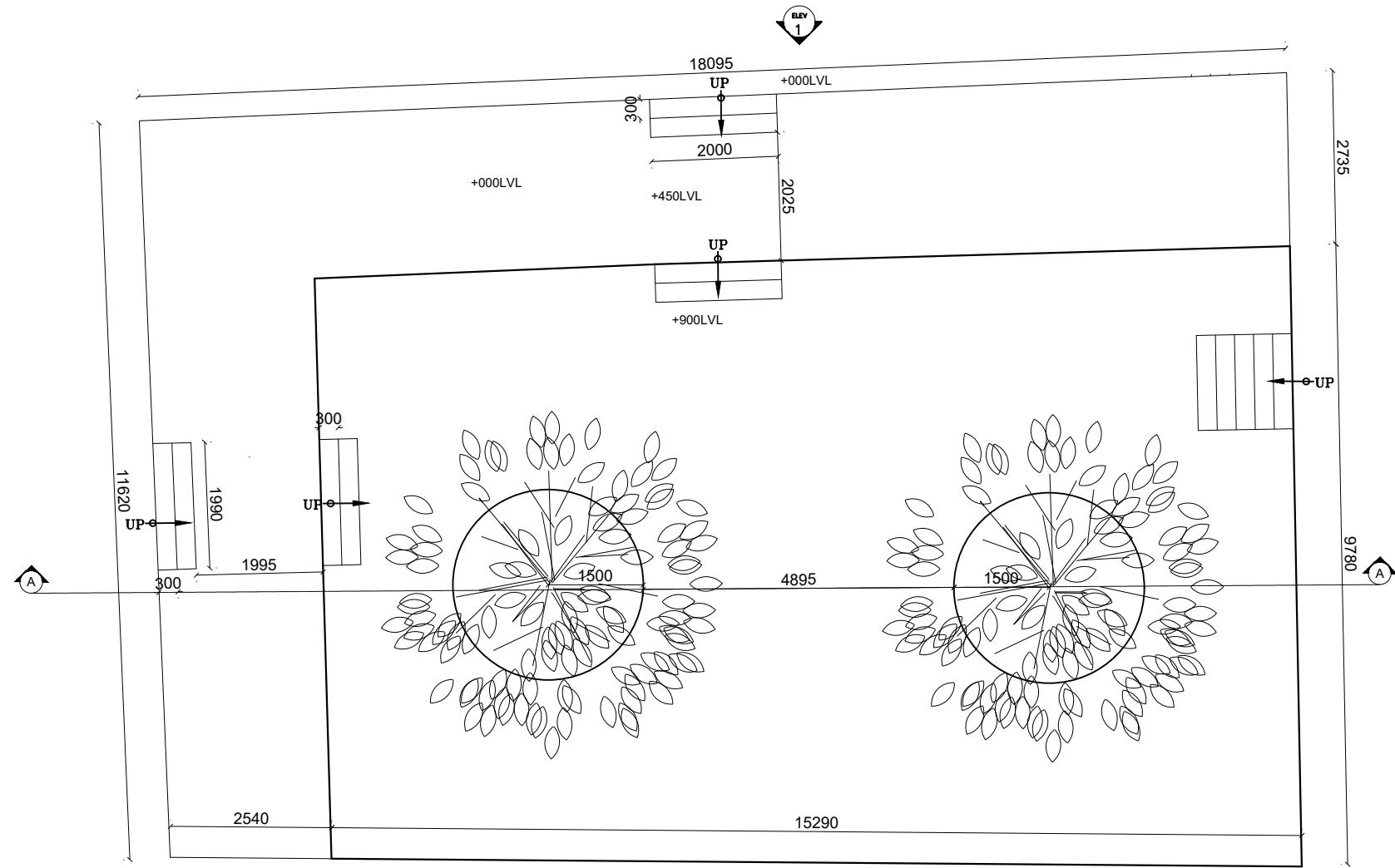


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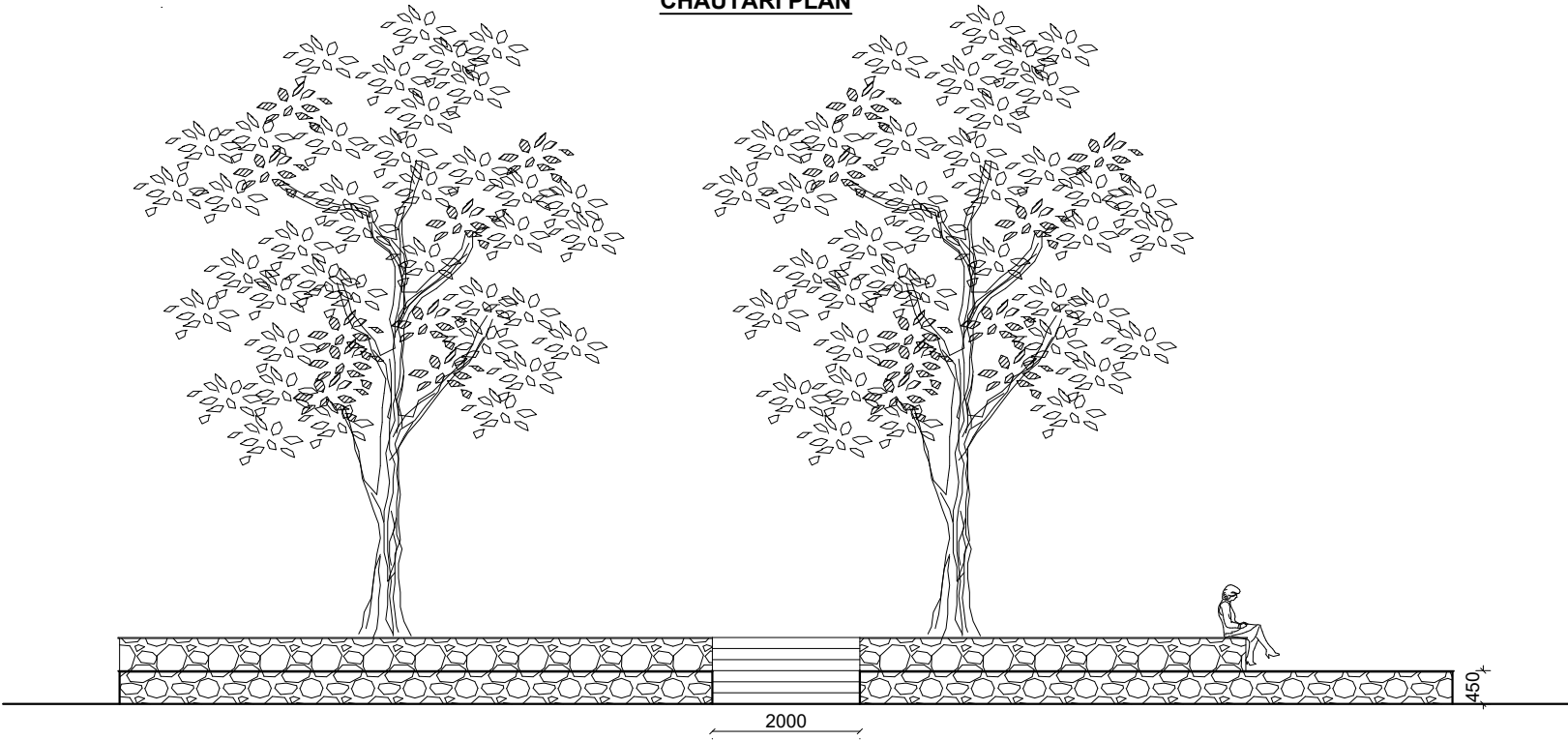


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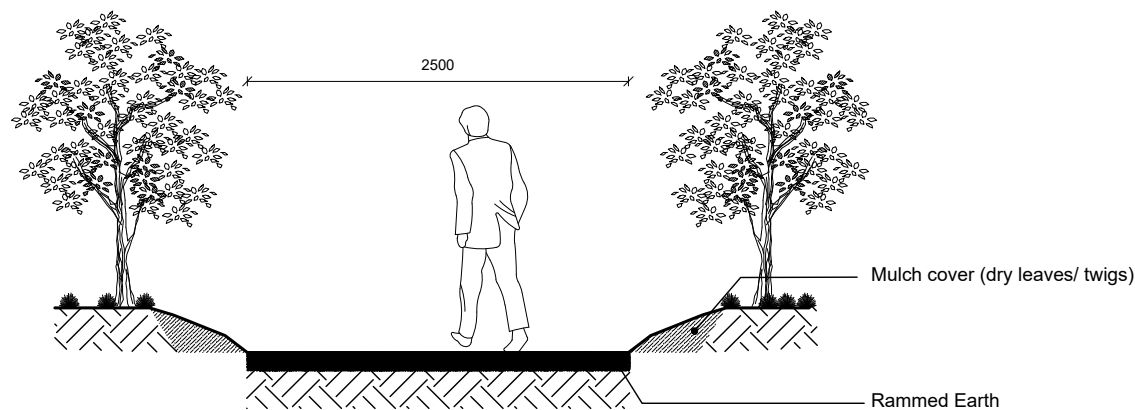




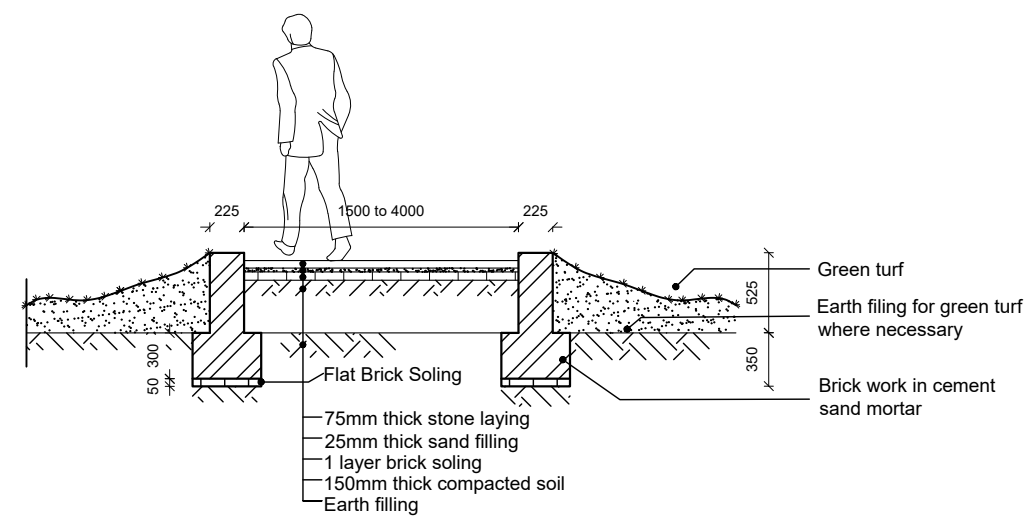
CHAUTARI PLAN



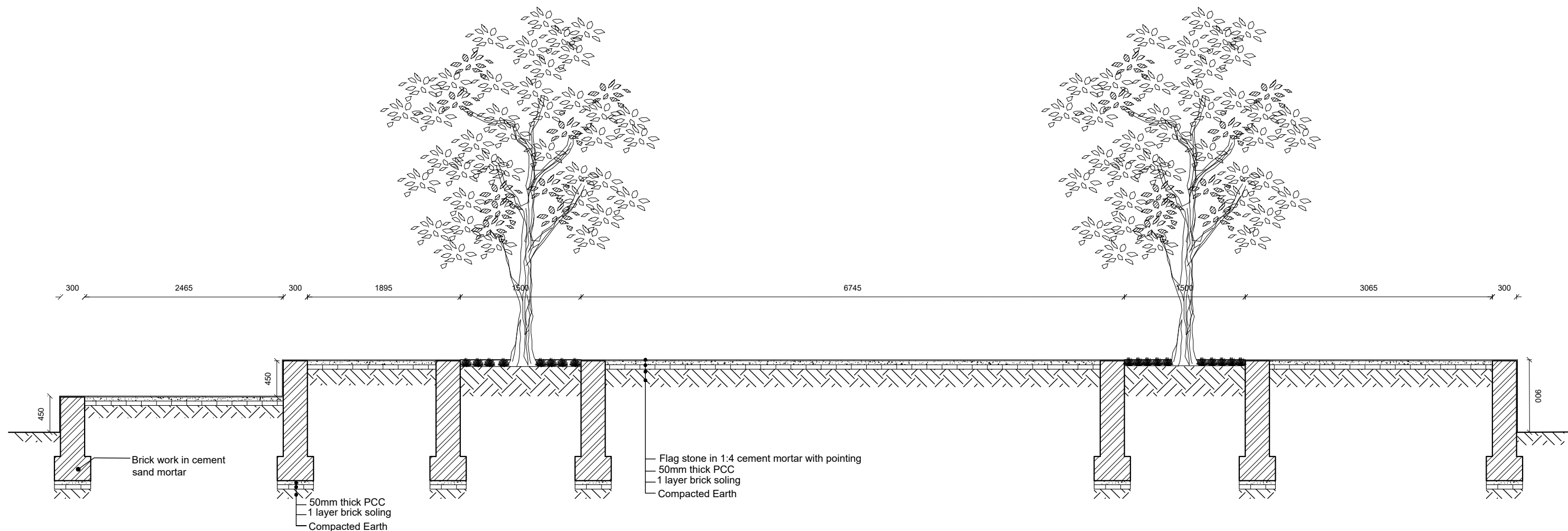
ELEVATION (E1)



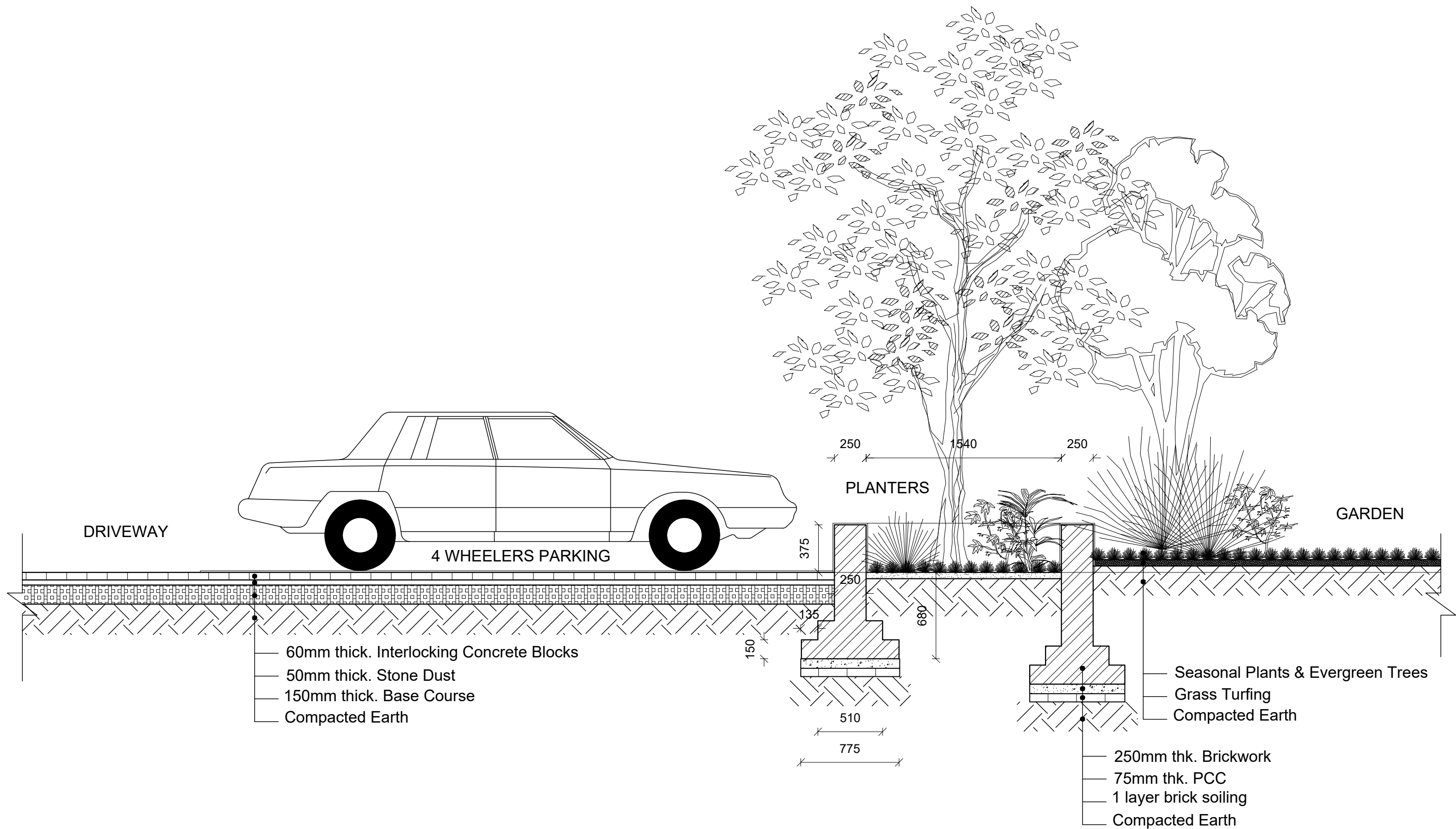
**HIKING TRAILS DETAIL**



**CROSS SECTION OF FOOT TRACK**

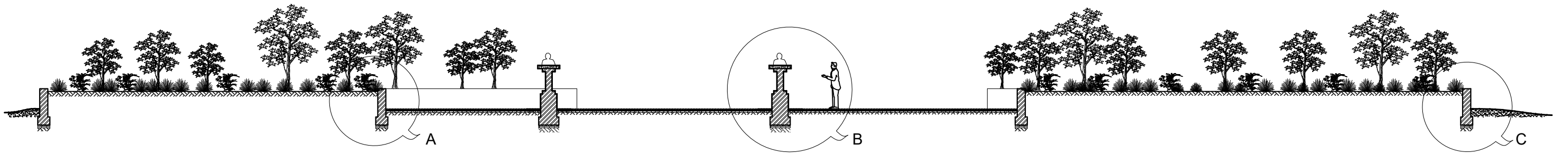


**DETAIL SECTION OF CHAUTARA**

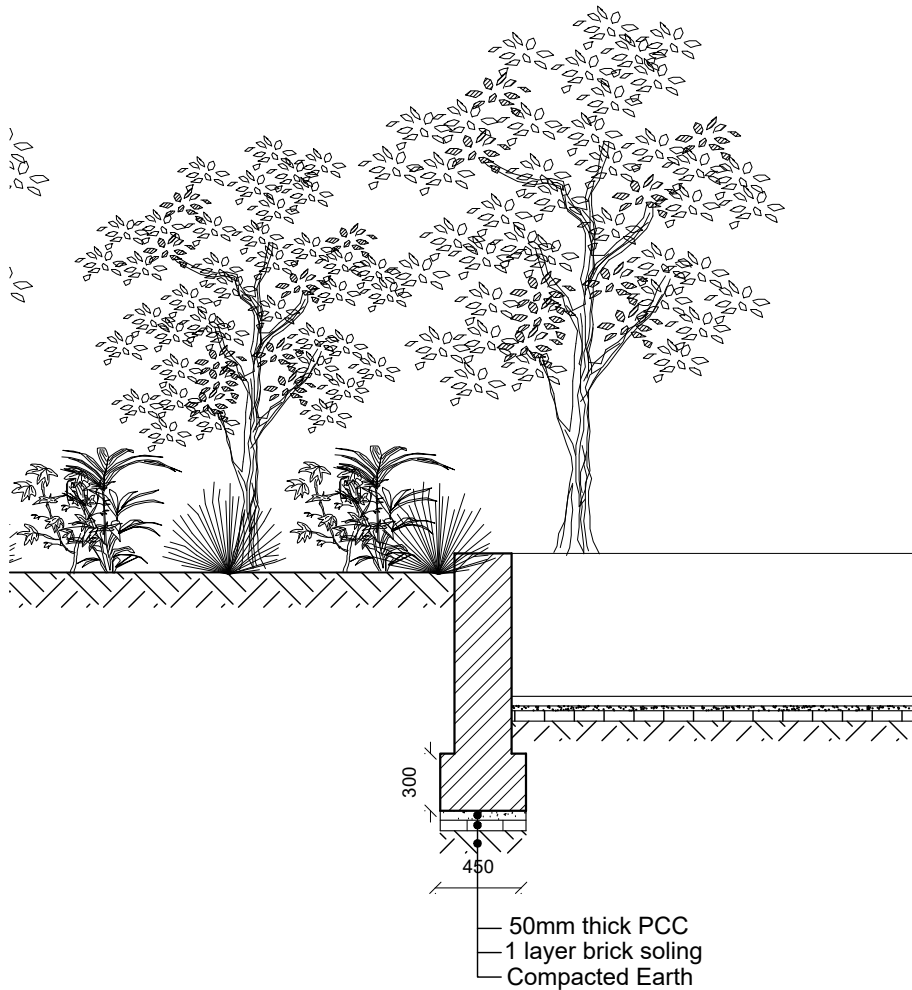


### **SURFACE CAR PARKING**

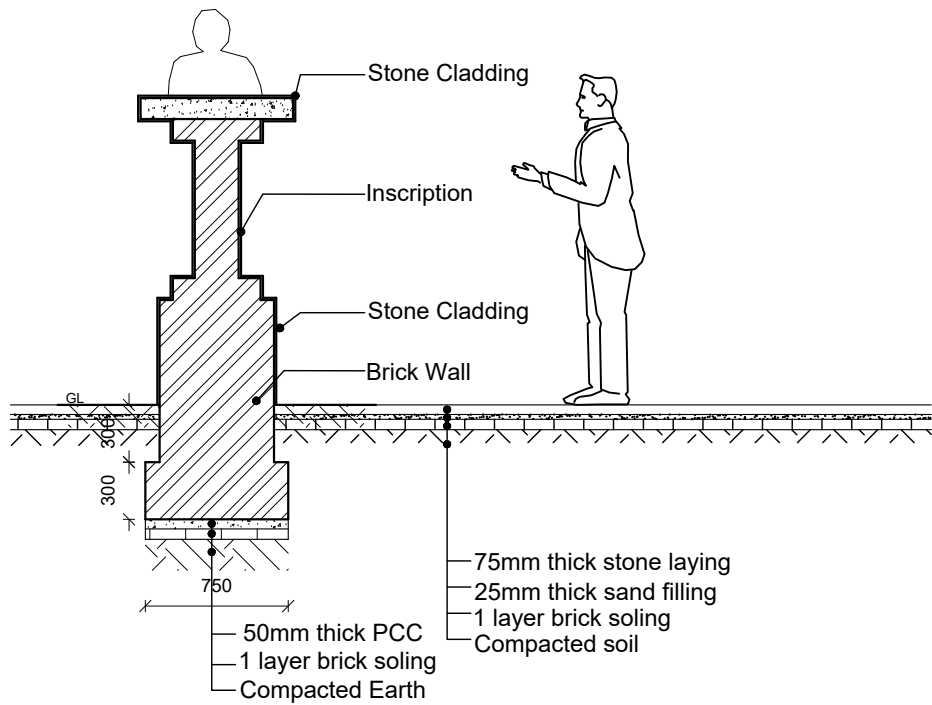
|                                                               |                                                                                                                                                                                       |                                        |                         |                                                                             |                           |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-----------------------------------------------------------------------------|---------------------------|
| <b>CLIENT :</b><br>Ghodaghodi Municipality<br>Sukhad, Kailali | <b>PROJECT TITLE:</b><br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda<br>Temple, Community Building and Tourism Park in Ghodaghodi Municipality | <b>SHEET TITLE:</b><br>Parking Details | <b>SCALE:</b> 1:30      | <b>DESIGNED BY :</b><br>Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | <b>SHEET No.</b><br>AR-22 |
|                                                               |                                                                                                                                                                                       |                                        | <b>DATE:</b> June, 2024 |                                                                             |                           |



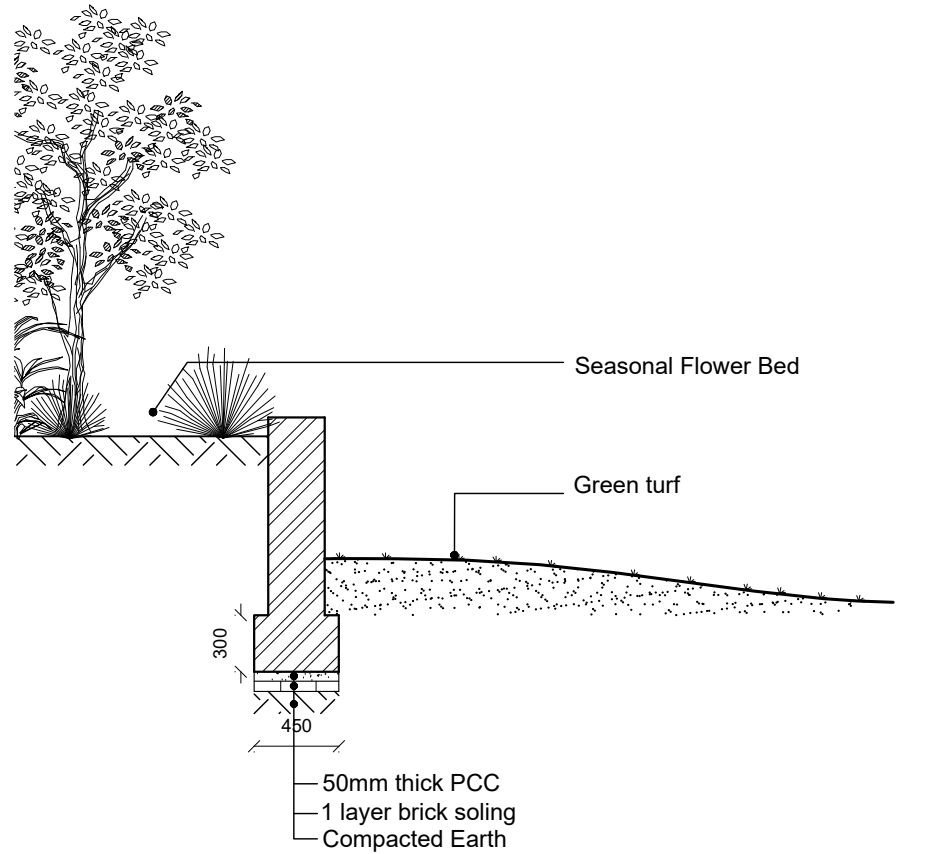
**TYPICAL PLAZA SPACE**  
SCALE: 1:150



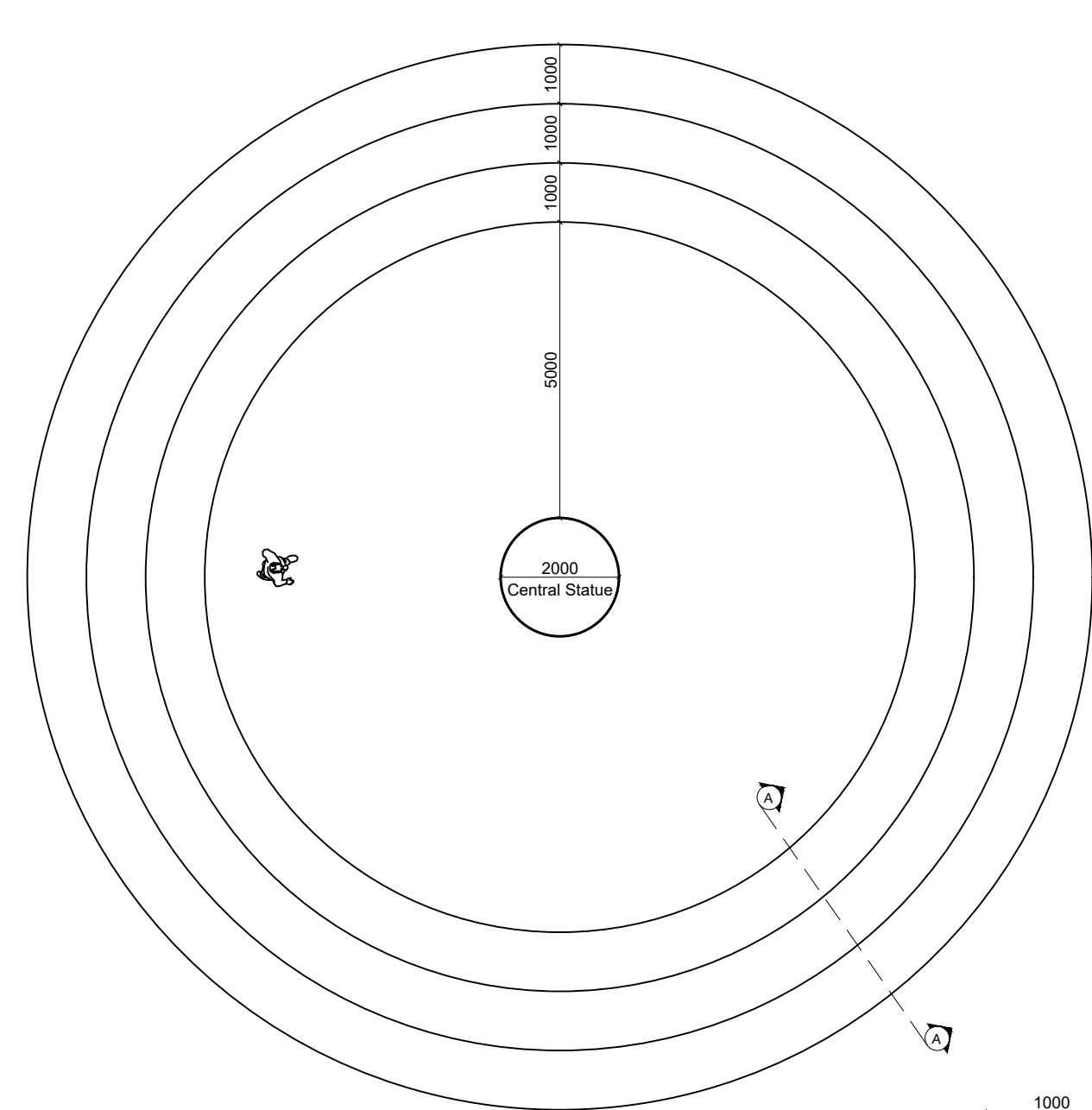
**BLOW UP-A**  
SCALE: 1:40



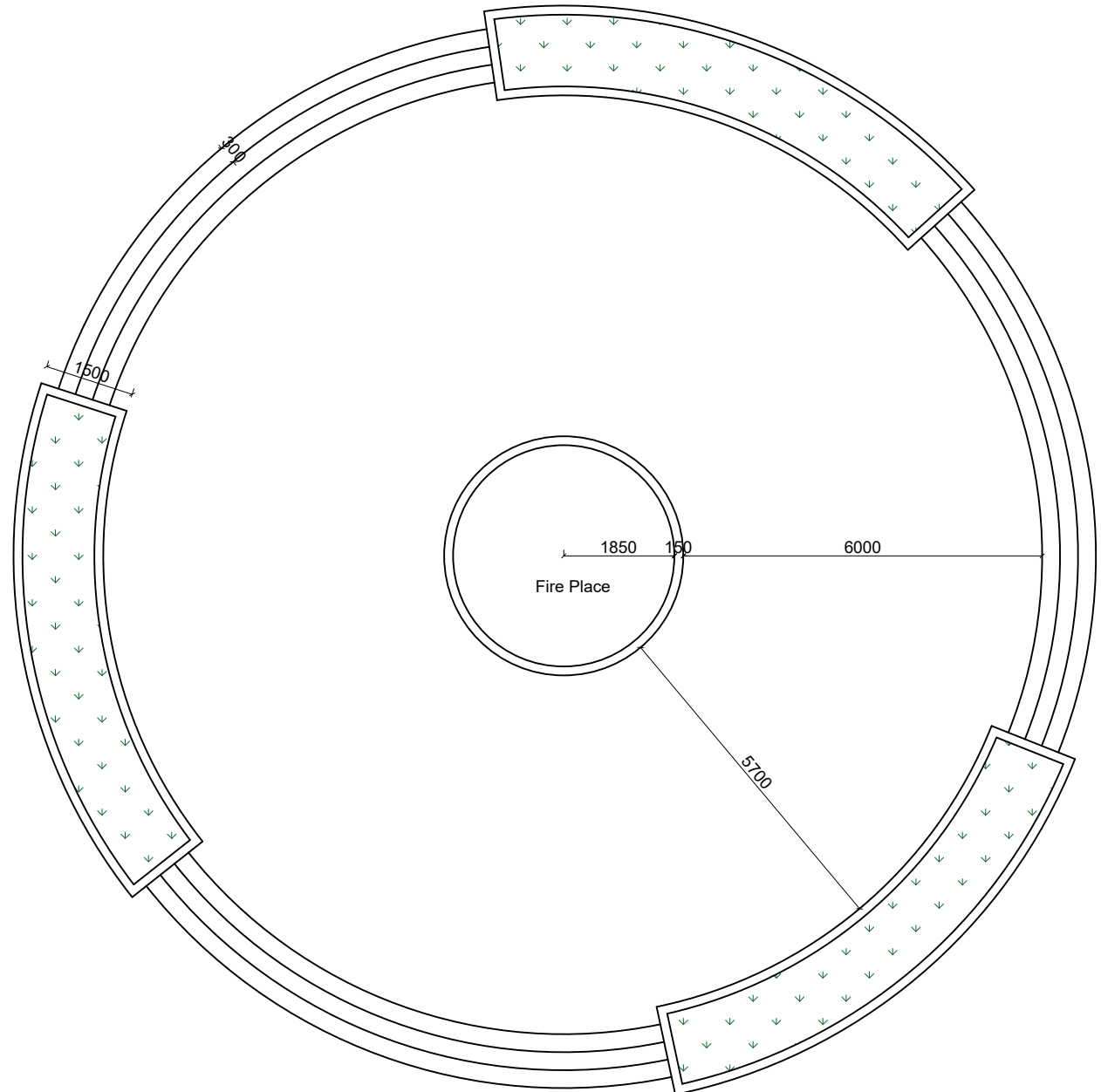
**BLOW UP-B**  
SCALE: 1:40



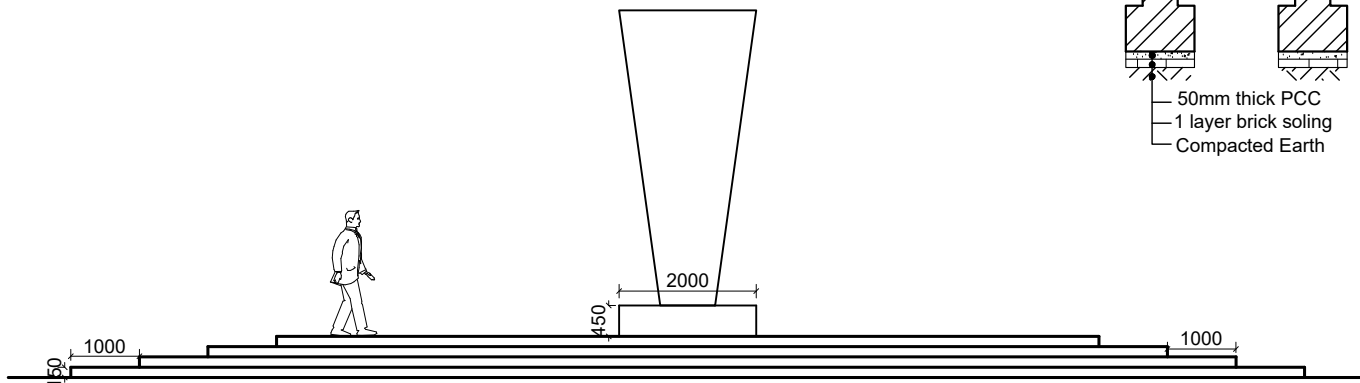
**BLOW UP-C**  
SCALE: 1:40



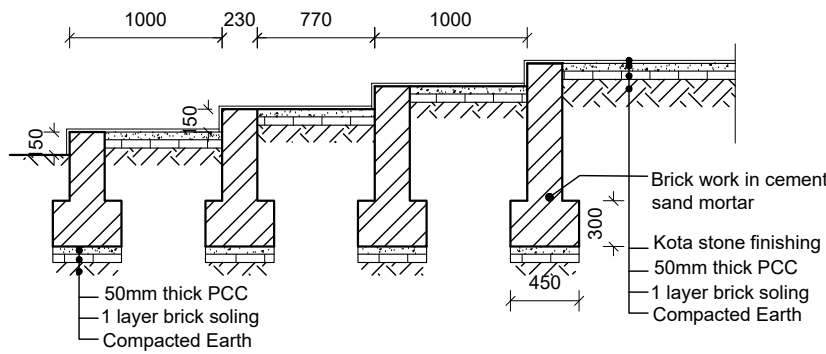
CENTRAL STATUE FLOOR PLAN



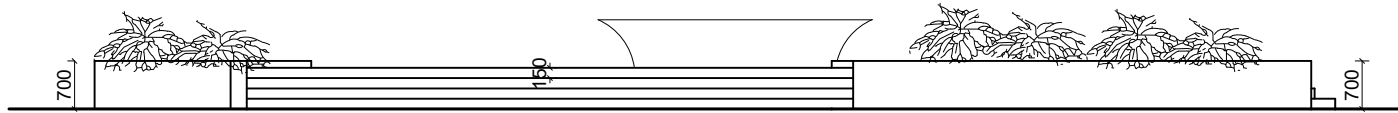
AARATI SPACE FLOOR PLAN



CENTRAL STATUE ELEVATION



SECTION AT A-A  
Scale: 1:50



AARATI SPACE ELEVATION

# STRUCTURAL DRAWINGS

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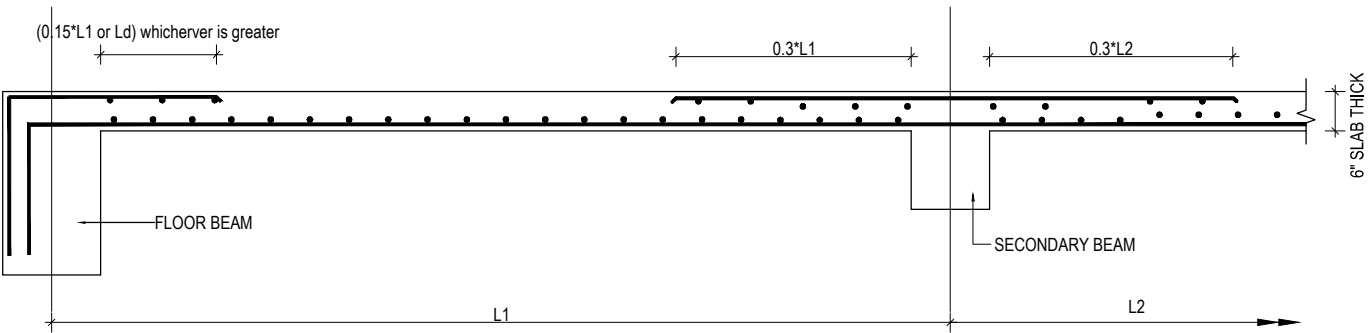
GENERAL NOTE:

- 1. USE M20 (1:1.5:3) GRADE CONCRETE FOR SLAB, BEAM, COLUMN, FOUNDATION, SILL & LINTEL BANDS (ALL RCC WORKS)
- 2. USE Fe500 GRADE STEEL ( $f_y=500\text{N/mm}^2$ )
- 3. CLEAR COVER TO BARS
  - a. FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = MIN 50mm
  - b. FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 40mm
  - c. FOR MAIN BARS IN BEAMS = 25mm
  - d. FOR OUTER BARS IN SLAB = 20mm
- 4. BARS IN COLUMNS SHALL BE SPLICED ONLY AT MID HEIGHT OF COLUMN AS PER DUCTILE DETAILING IS 13920- 2016
- 5. BARS SPLICING IN BEAM SHALL BE AVOIDED IN THE SPAN WHERE INTERMEDIATE BEAM IS CONNECTED AND SHALL BE ONLY AS SHOWN ON DWG.

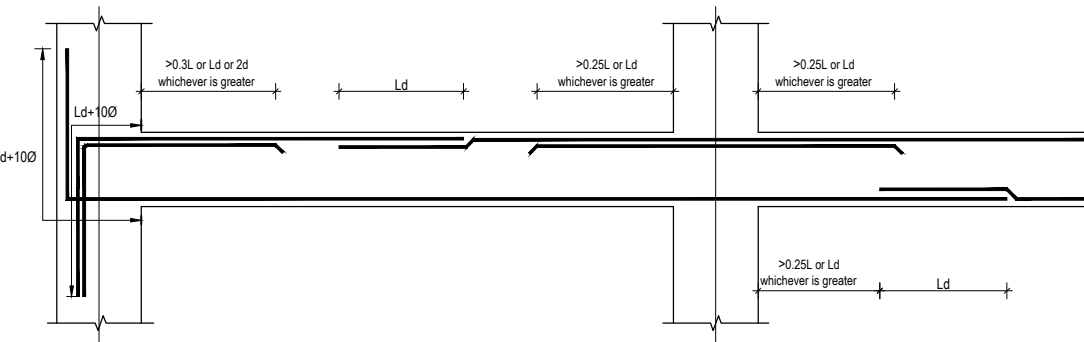
6. DEVELOPMENT / LAP LENGTH (Ld.) FOR BARS.

| BAR DIA-(mm) | 8    | 10   | 12   | 16   | 20   | 25   | 32   |
|--------------|------|------|------|------|------|------|------|
| FOR M20 Ld   | 1'7" | 2'0" | 2'5" | 3'1" | 4'0" | 5'0" | 6'6" |

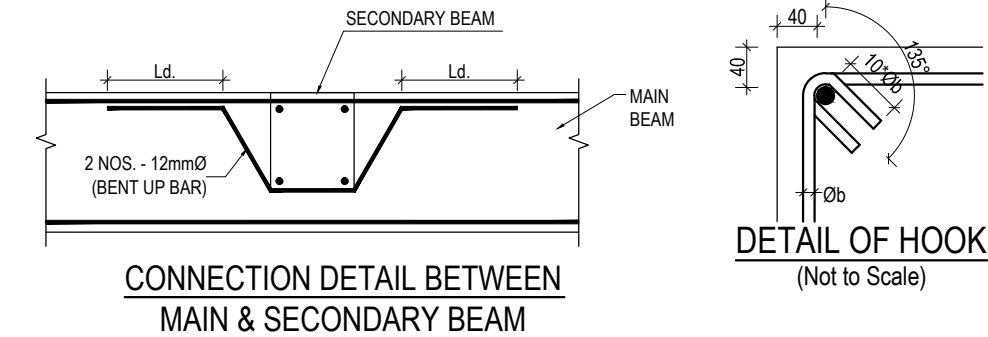
- 7. TEMP./DISTRIBUTION REINFORCEMENT FOR SLAB - TMT 8Ø @ 6" C/C
- 8. CLEAR VERTICAL DISTANCE BETWEEN TWO ROWS (LAYERS) OF BARS=1"
- 9. PROVIDE SHEAR REINFORCEMENT AT 4" C/C AT LAP LOCATIONS.
- 10. H = CLEAR SPAN OF FLOOR.
- 11. h = H/6 OR 1'-6" OR LARGER LATERAL DIMENSION OF THE MEMBER ,WHICHEVER IS GREATER.
- 12. Z = DEPTH OF BEAM.
- 13. FOUNDATION TYPE SHOULD BE DECIDED BY SITE CONDITION AFTER EXCAVATION OF FOUNDATION.



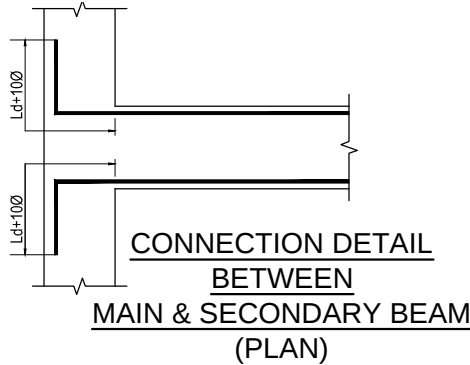
TYPICAL BENT-UP DETAIL FOR SLAB BARS



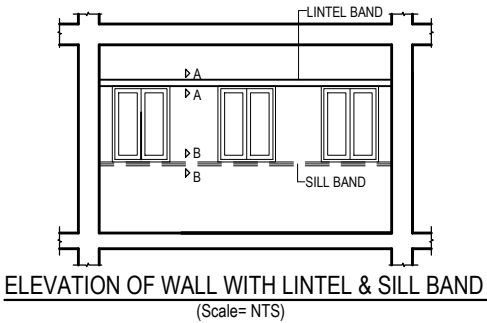
TYPICAL LAP LOCATION FOR BEAM BARS



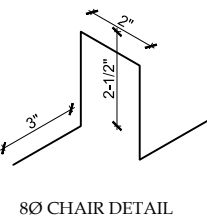
CONNECTION DETAIL BETWEEN MAIN & SECONDARY BEAM



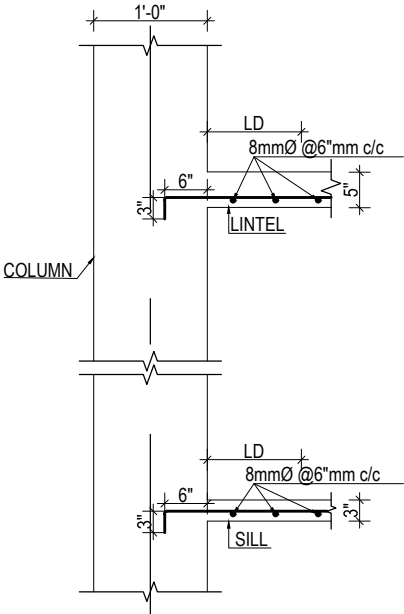
CONNECTION DETAIL BETWEEN MAIN & SECONDARY BEAM (PLAN)



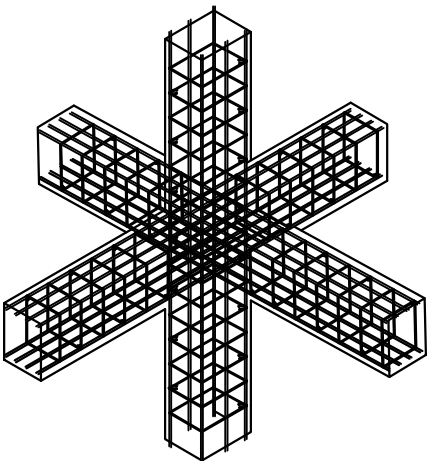
ELEVATION OF WALL WITH LINTEL & SILL BAND (Scale= NTS)



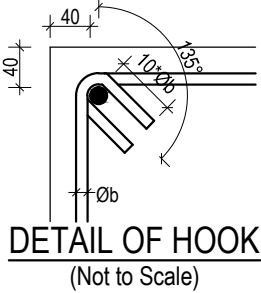
8Ø CHAIR DETAIL



COLUMN ,LINTEL& SILL JOINT DETAIL (Scale= 1:25)

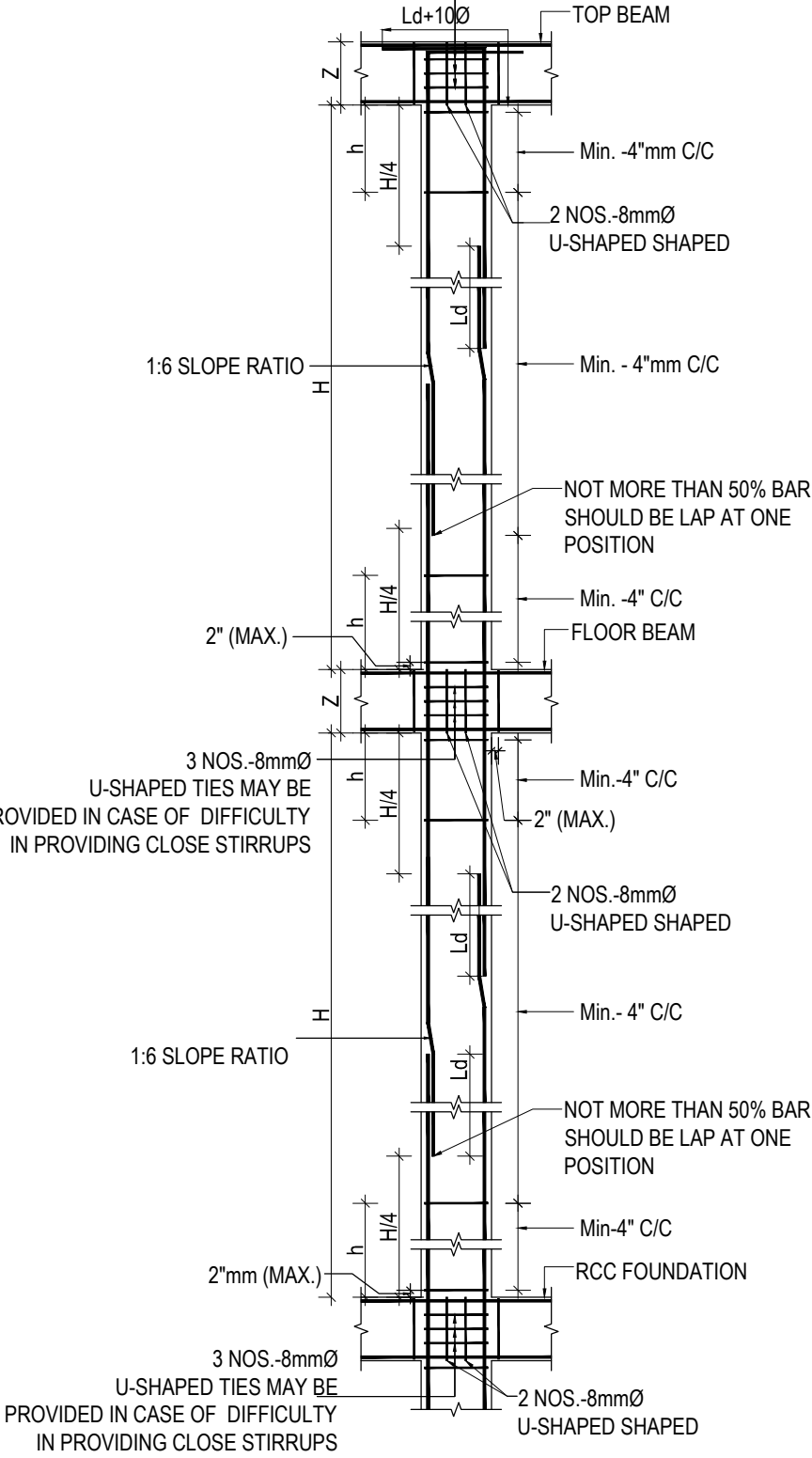


3D TYPICAL JUNCTION OF BEAM AND COLUMN

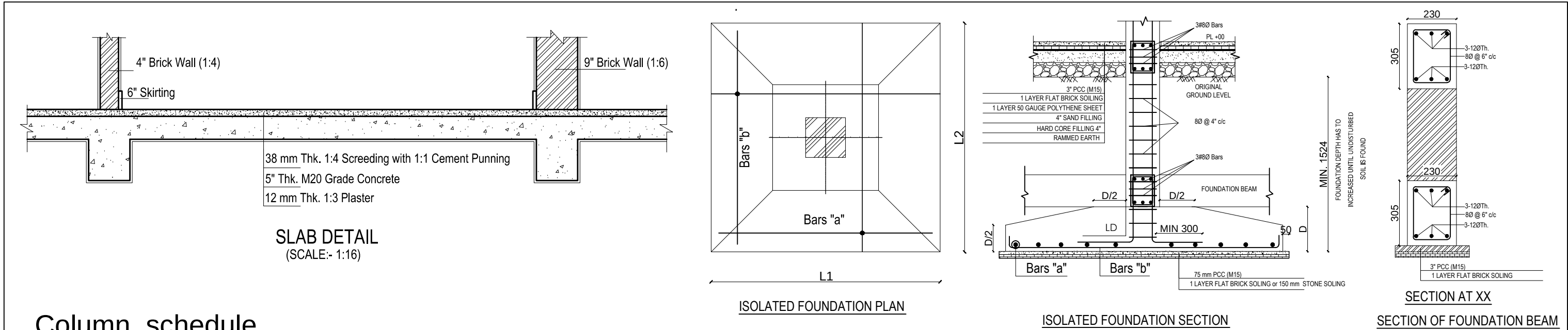


DETAIL OF HOOK (Not to Scale)

3 NOS.-8mmØ U-SHAPED TIES MAY BE PROVIDED IN CASE OF DIFFICULTY IN PROVIDING CLOSE STIRRUPS



TYP. COLUMN SHEAR REINFORCEMENT DETAIL

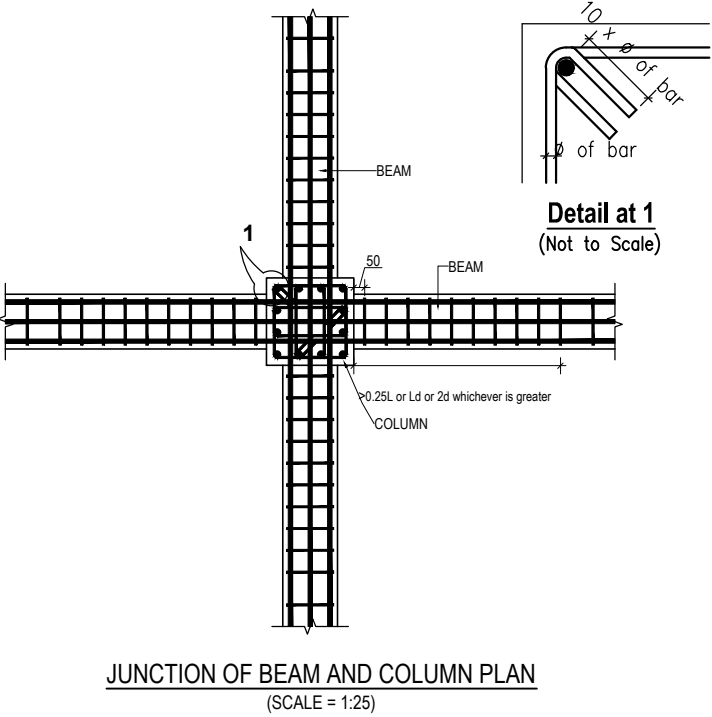


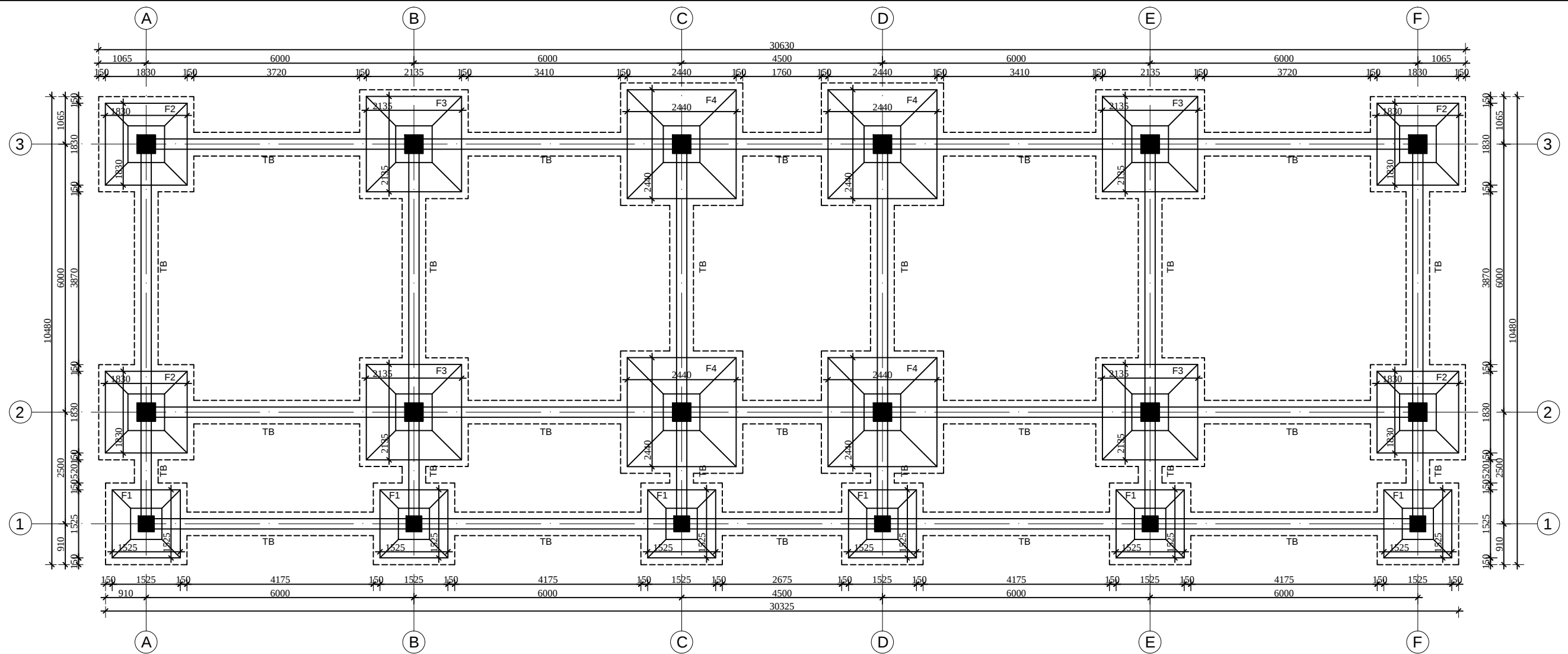
Column schedule

| S.N. | GRID ID.                  | COLUMN ID | BUILDING STOREY, SIZE AND REINFORCEMENT |           |           | STIRRUPS REINFORCEMENT          |                         | SHAPE OF STIRRUPS |  |  |
|------|---------------------------|-----------|-----------------------------------------|-----------|-----------|---------------------------------|-------------------------|-------------------|--|--|
|      |                           |           | GROUND FLOOR                            | 1ST FLOOR | 2ND FLOOR | Special Confining Ties h(0.25H) | Mid Lateral Ties (H-2h) |                   |  |  |
| 1.   | A1,B1,C1, D1,E1,F1        | C1        |                                         |           |           | Ø8-2Legs @ 4" c/c               | Ø8-2Legs @ 6" c/c       |                   |  |  |
| 2.   | A2,B2,E2, F2,A3,B3, E3,F3 | C2        |                                         |           |           |                                 |                         |                   |  |  |
| 3.   | C2,D2                     | C3        |                                         |           |           |                                 |                         |                   |  |  |
| 4.   | C3                        | C4        |                                         |           |           |                                 |                         |                   |  |  |
| 5.   | D3                        | C5        |                                         |           |           |                                 |                         |                   |  |  |

Bars of larger diameter :- ● Bars of smaller diameter :- ○

- GENERAL NOTES:
- 1) GRADE OF CONCRETE MIX SHALL BE M20 CONFORMING TO IS456:2000
- 2) REINFORCEMENT SHALL BE HIGH DEFORMED BARS OF GRADE Fe 500 CONFORMING TO IS1786:1985 FOR LONGITUDINAL BARS AND CONFINEMENT BARS
- 3) LAP LENGTH SHALL BE 60 TIMES THE DIAMETER OF BAR

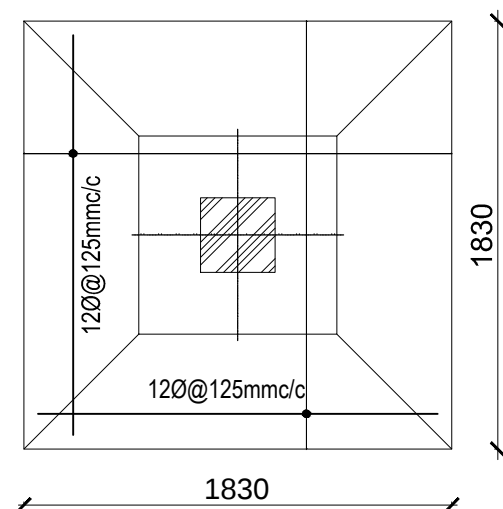




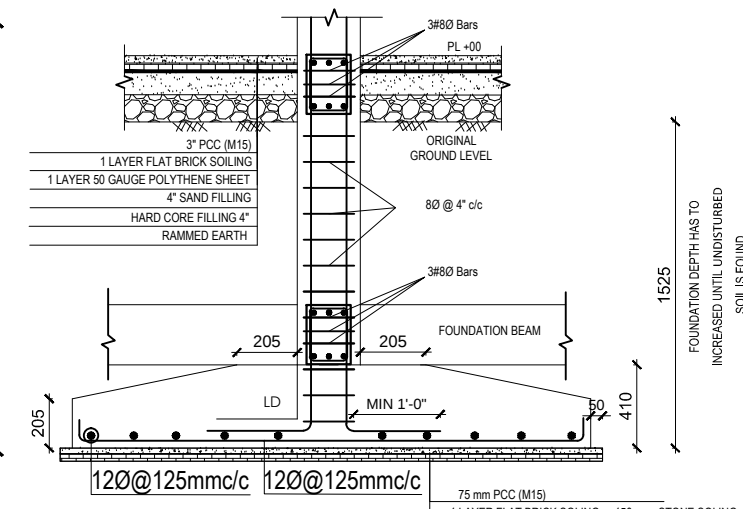
FOUNDATION AND TRENCH PLAN

### FOOTING SCHEDULE

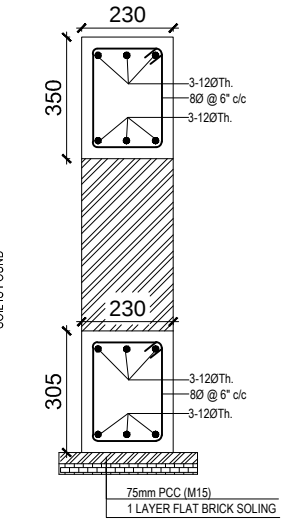
| S.N. | FOOTING TYPE | FOOTING ID | No. | LENGTH      | BREADTH | DEPTH | Longitudinal reinforcement    | Transverse Reinforcement |
|------|--------------|------------|-----|-------------|---------|-------|-------------------------------|--------------------------|
| 1.   | Isolated     | F1         | 6   | 1525        | 1525    | 350   | 12mmØ @ 125mm c/c             | -                        |
| 2.   | Isolated     | F2         | 4   | 1830        | 1830    | 410   | 12mmØ @ 125mm c/c             | -                        |
| 3.   | Isolated     | F3         | 4   | 2135        | 2135    | 410   | 12mmØ @ 125mm c/c             | -                        |
| 4.   | Isolated     | F4         | 4   | 2440        | 2440    | 410   | 12mmØ @ 125mm c/c             | -                        |
| 18   | Tie beam     | TB         | -   | as per dwg. | 230     | 305   | 3-12Ø at top<br>3-12Ø at bot. | 2L-8@150mm c/c           |



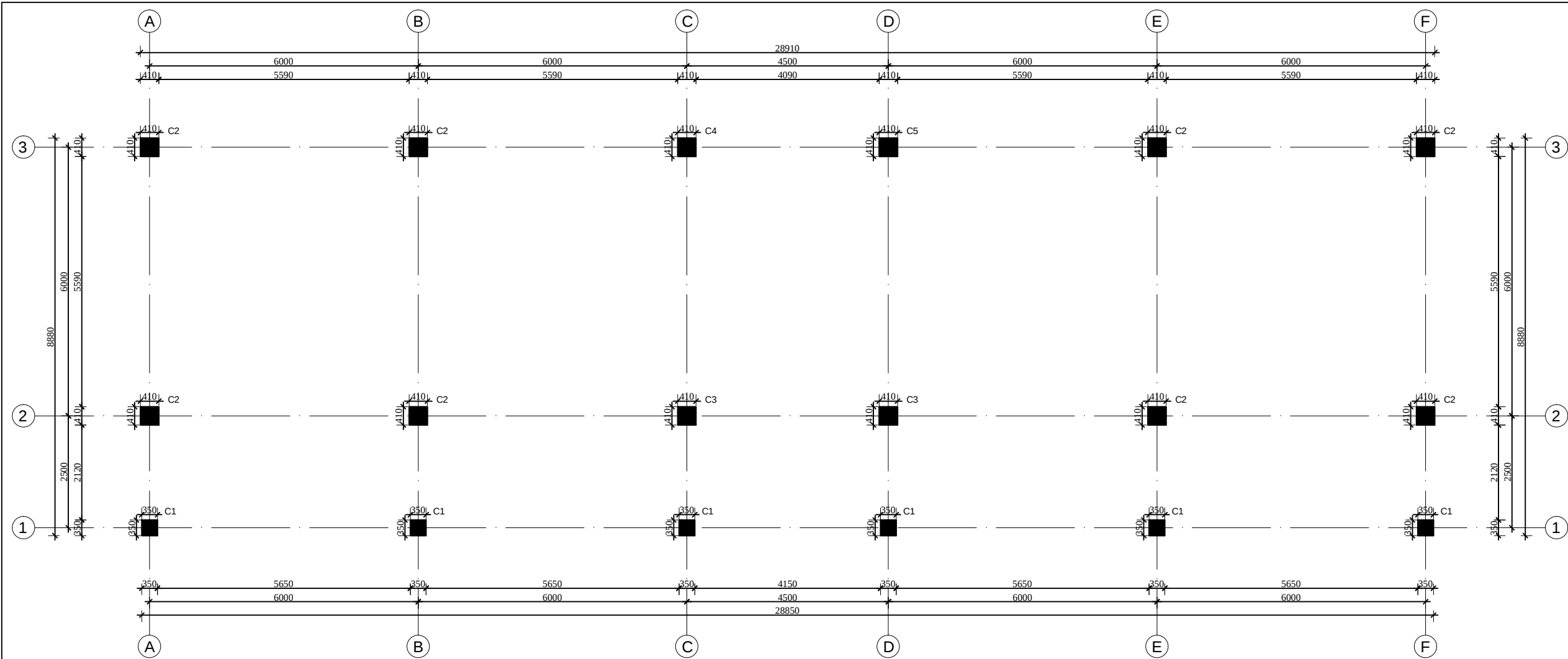
ISOLATED FOUNDATION PLAN F2



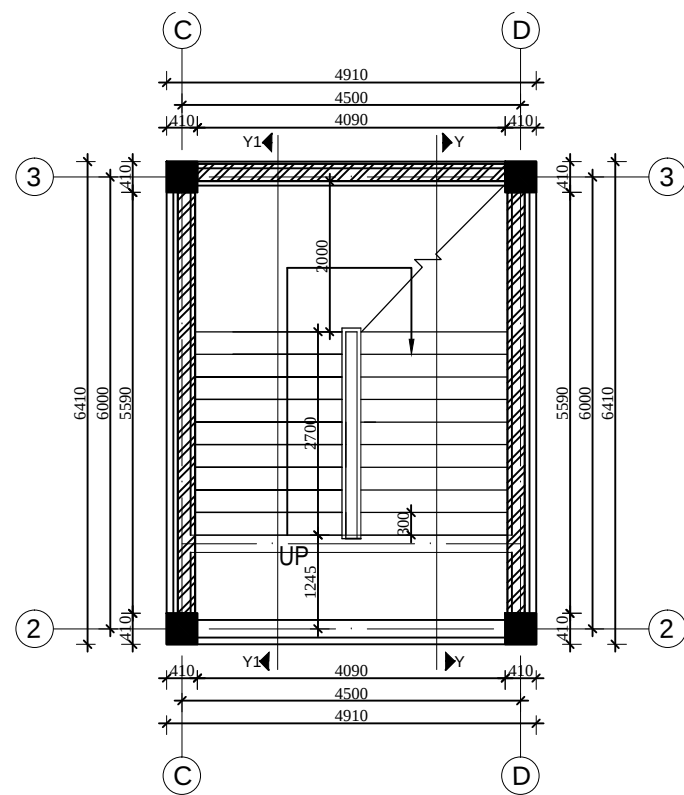
ISOLATED FOUNDATION SECTION



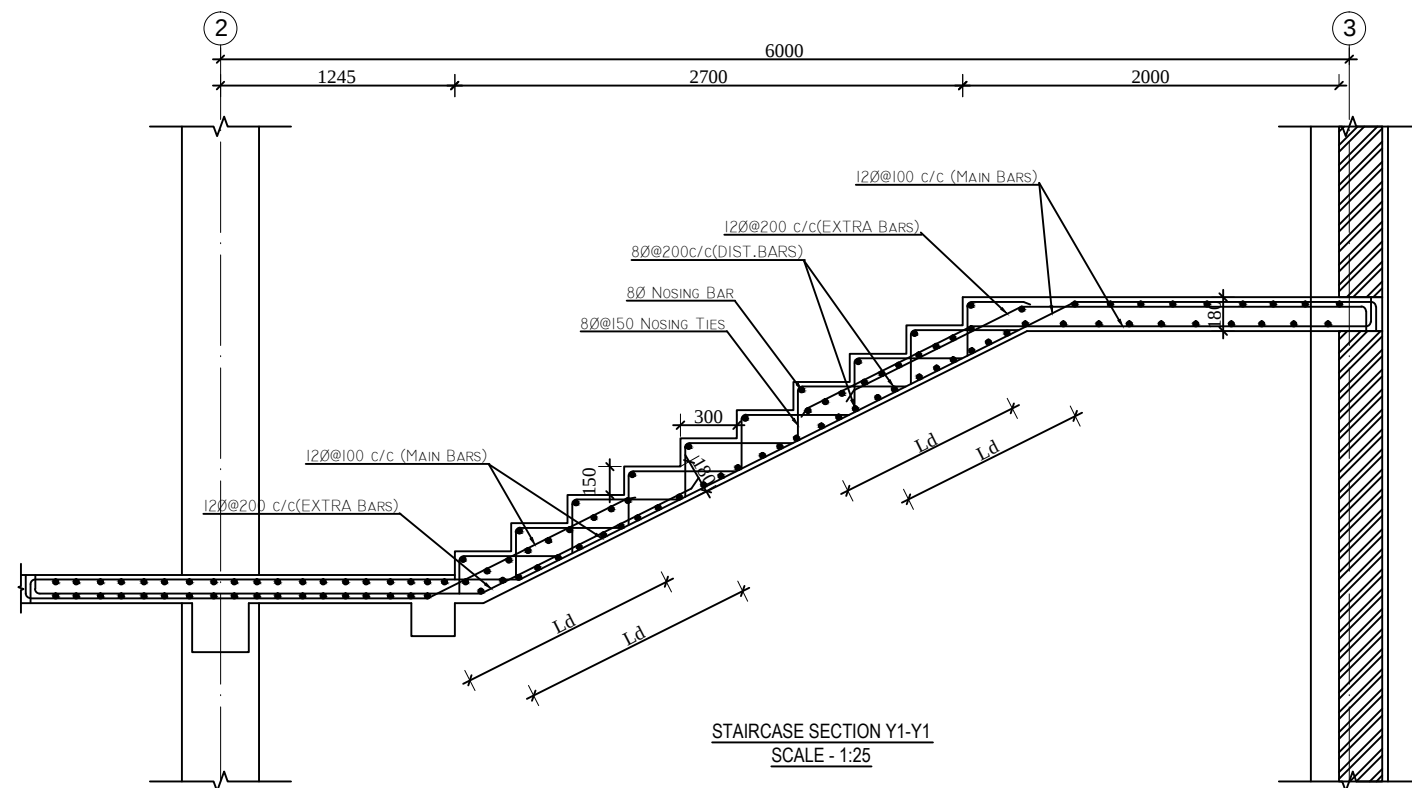
SECTION AT XX  
SECTION OF FOUNDATION BEAM



COLUMN PLAN

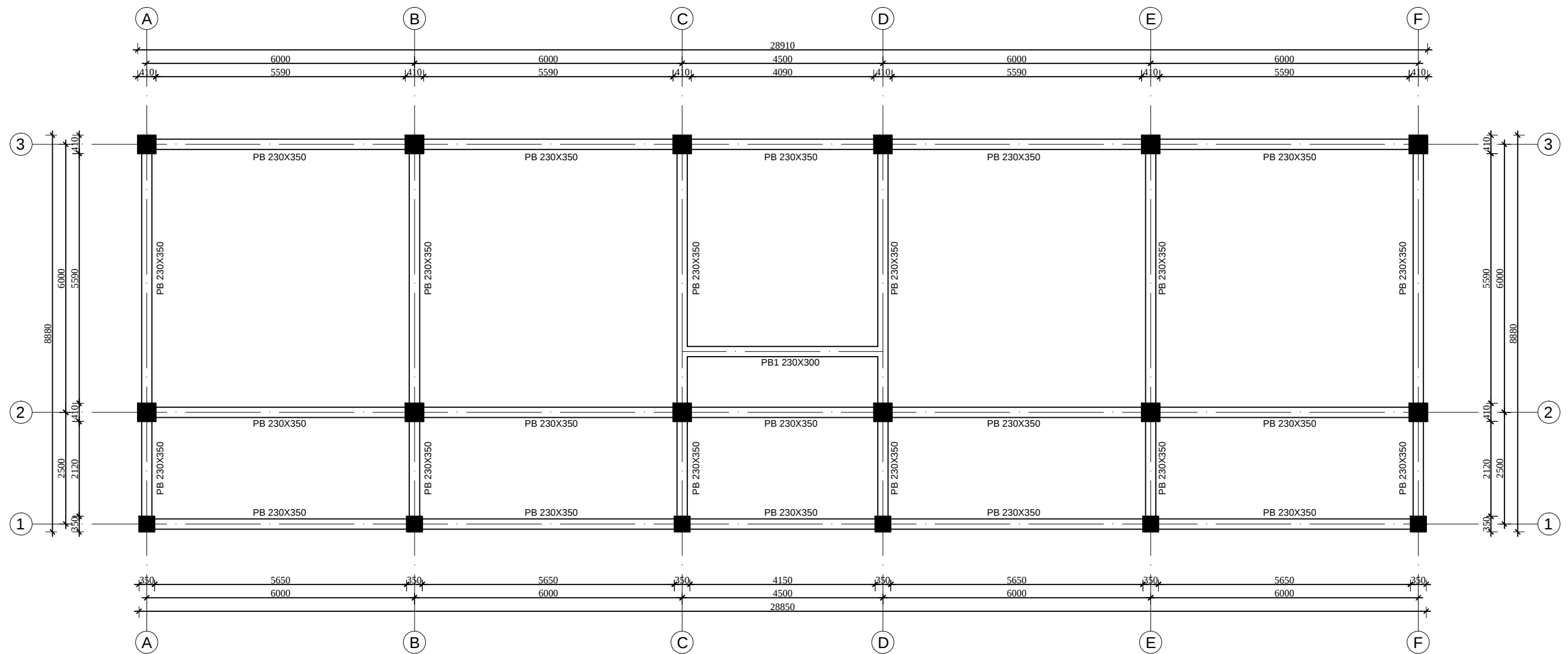


STAIRCASE PLAN

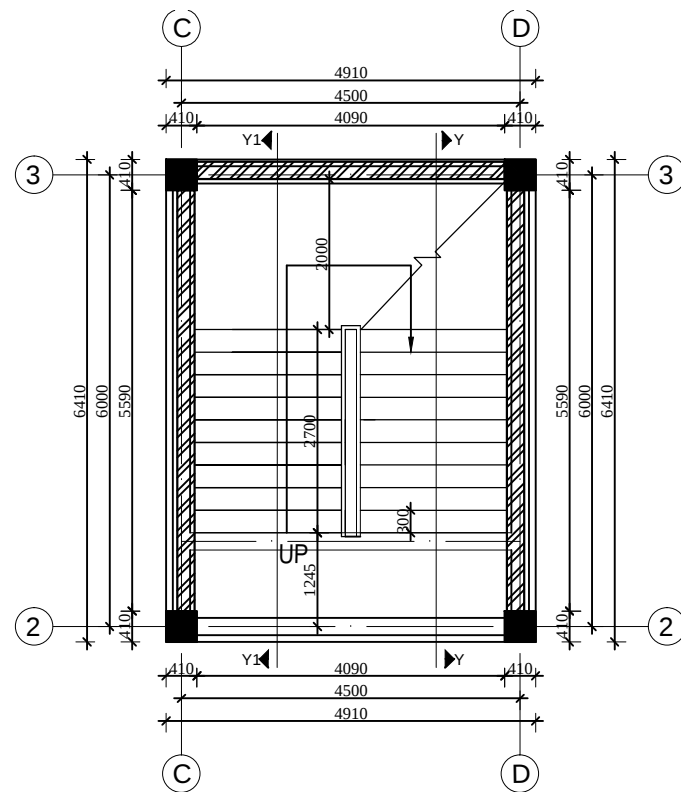


STAIRCASE SECTION Y1-Y1  
SCALE - 1:25

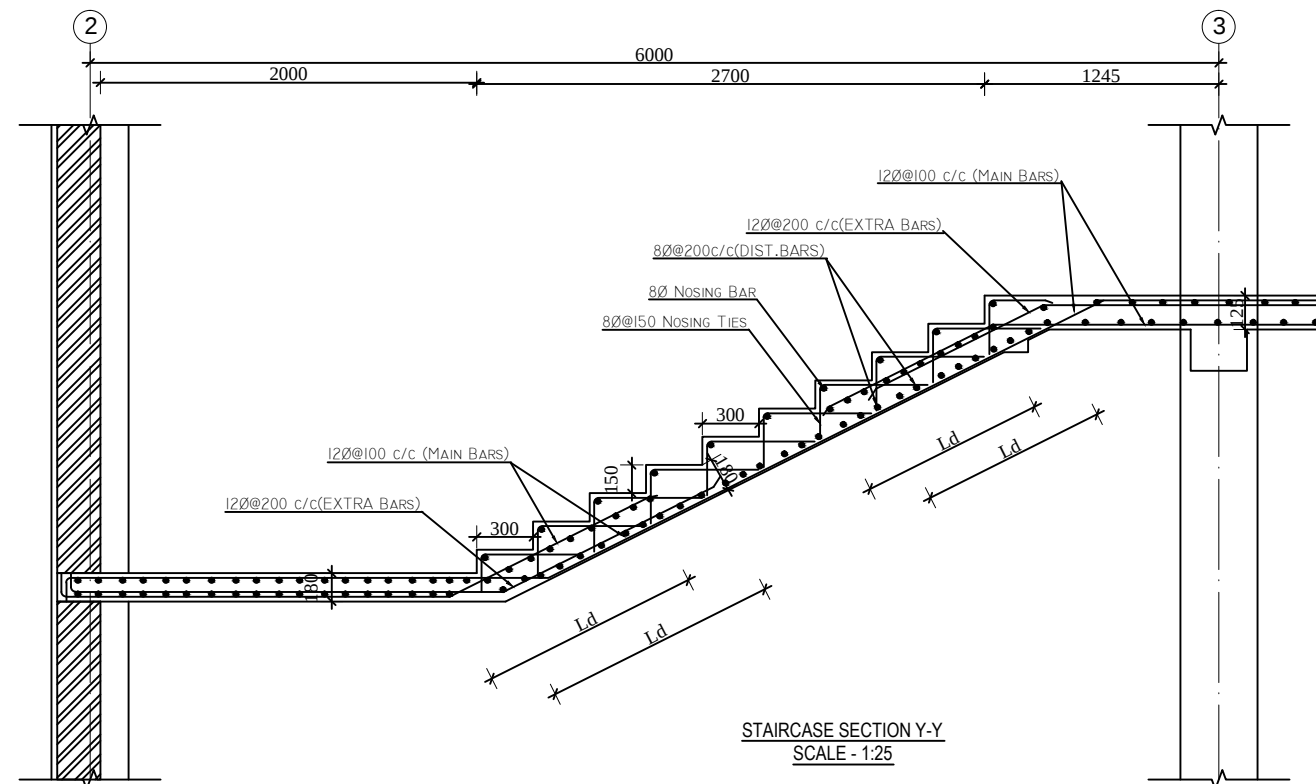
|                                                        |                                                                                                                                                                             |                                                        |                     |                                                                      |           |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|----------------------------------------------------------------------|-----------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Community Building-Structural Drawings | SCALE: As mentioned | DESIGNED BY :<br>Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No. |
|                                                        |                                                                                                                                                                             |                                                        | DATE: June, 2024    |                                                                      | ST-04     |



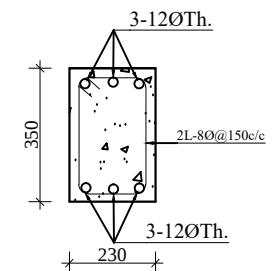
PLINTH BEAM LAYOUT PLAN



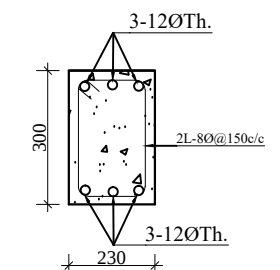
STAIRCASE PLAN



STAIRCASE SECTION Y-Y  
SCALE - 1:25

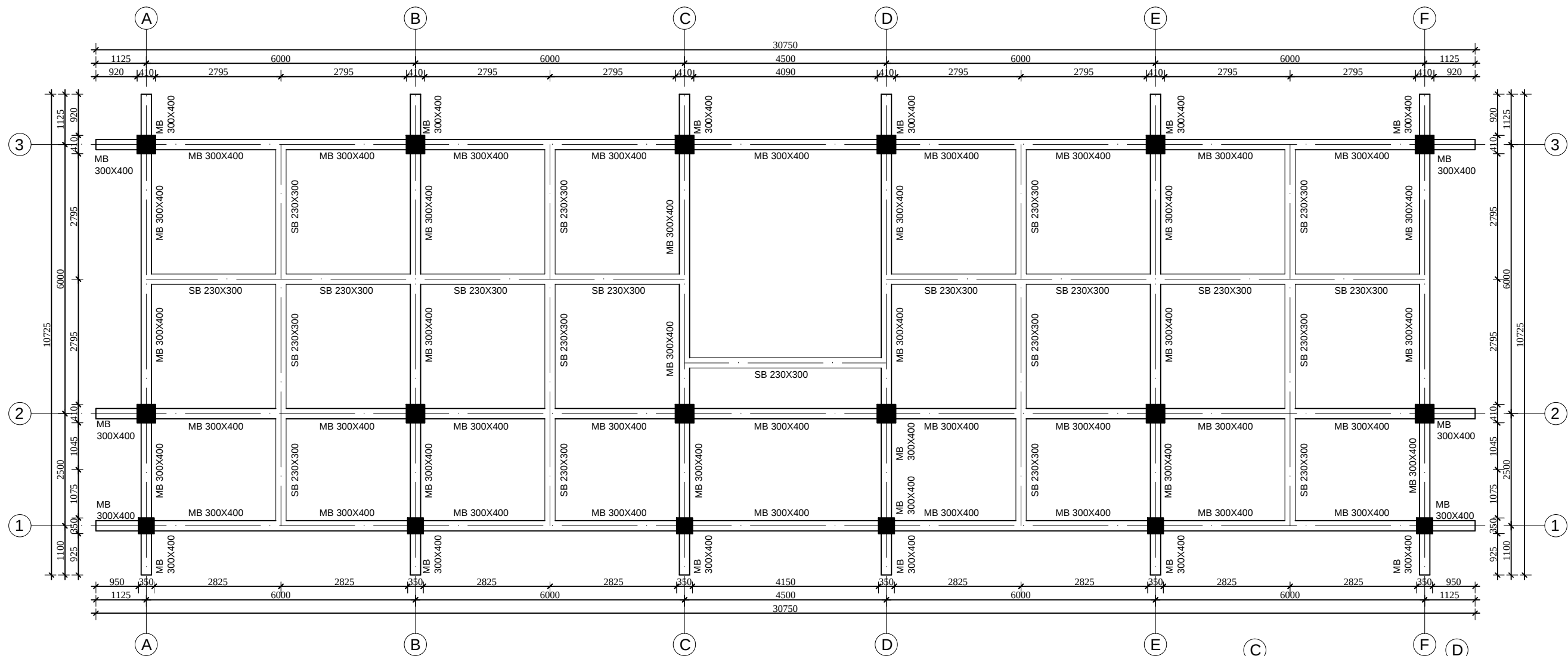


SECTION FOR PB  
SCALE - 1:20

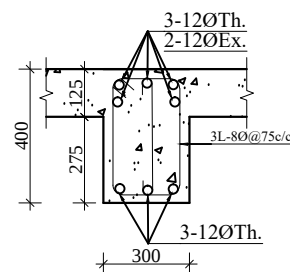


SECTION FOR PB1  
SCALE - 1:20

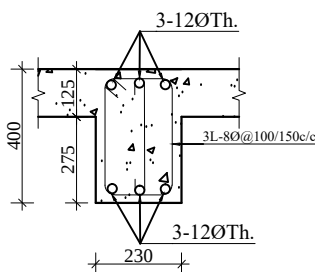




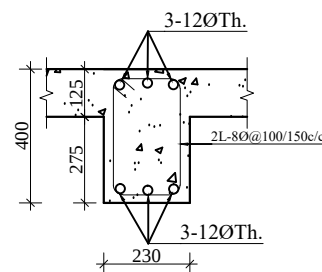
SECOND FLOOR BEAM LAYOUT PLAN



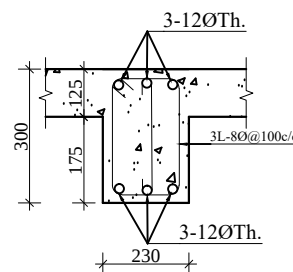
SECTION FOR 21-21  
SCALE - 1:20



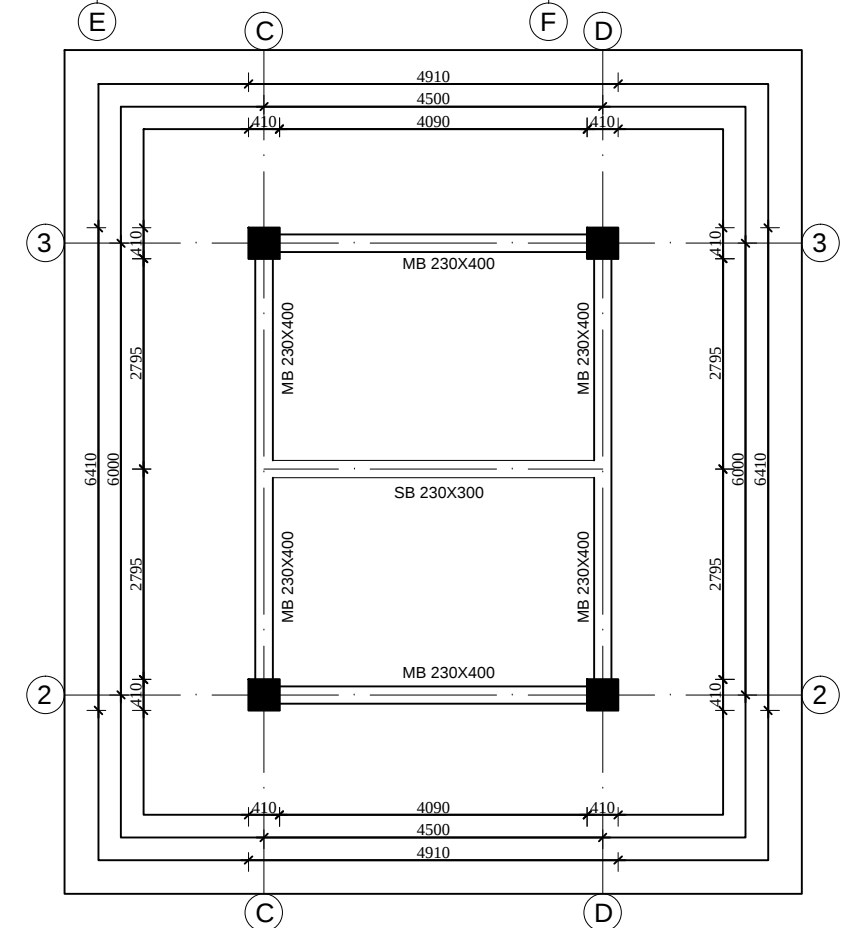
SECTION FOR 22-22  
SCALE - 1:20



SECTION FOR 23-23  
SCALE - 1:20

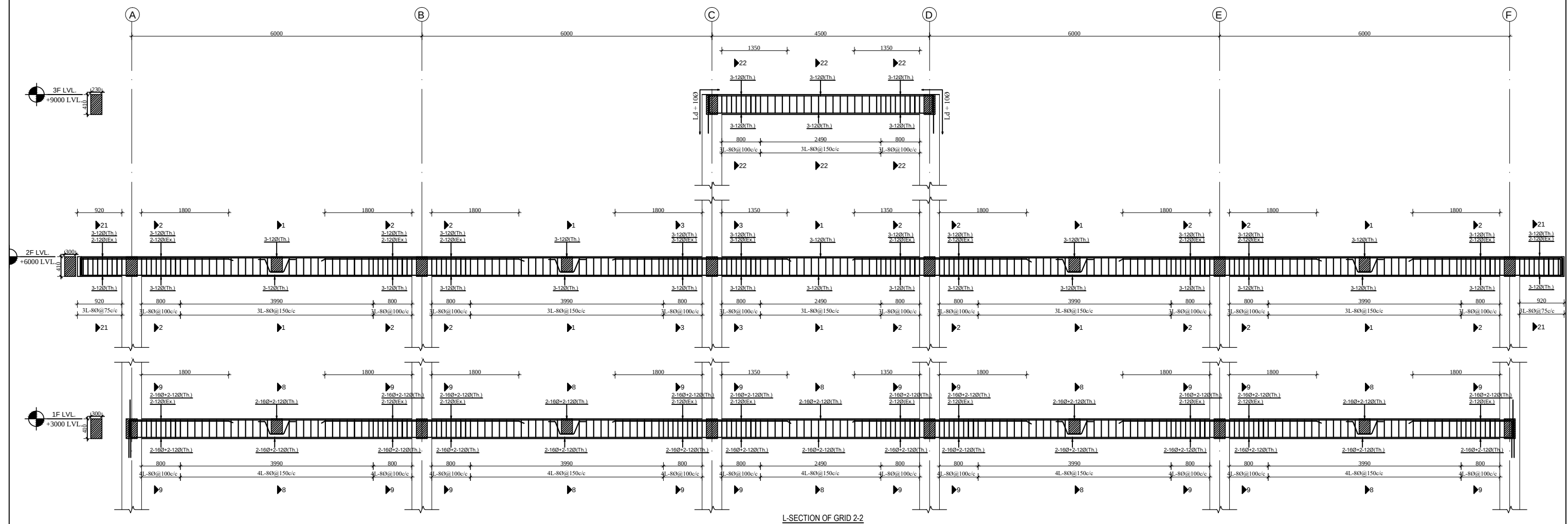
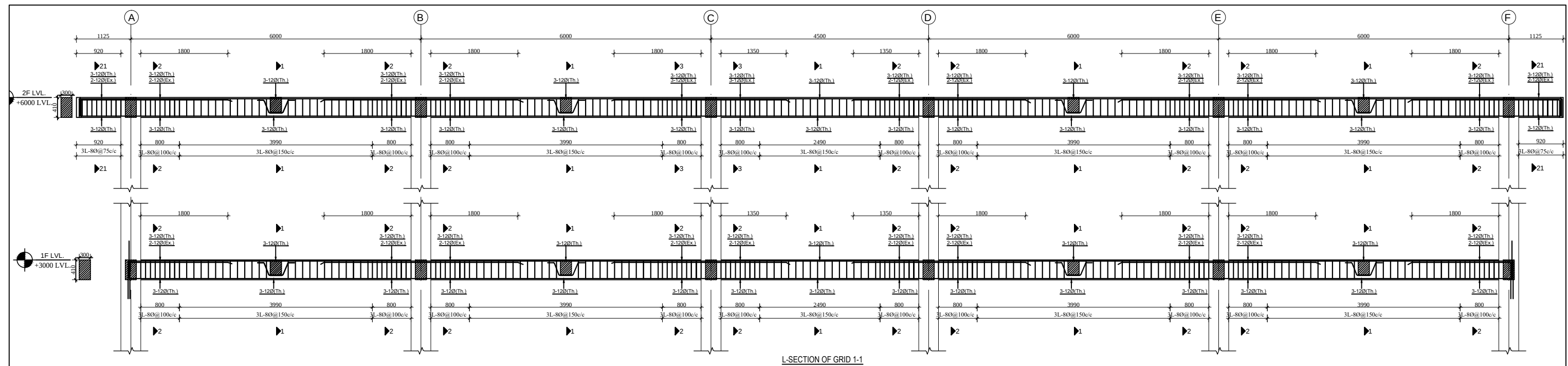


SECTION FOR SB  
SCALE - 1:20

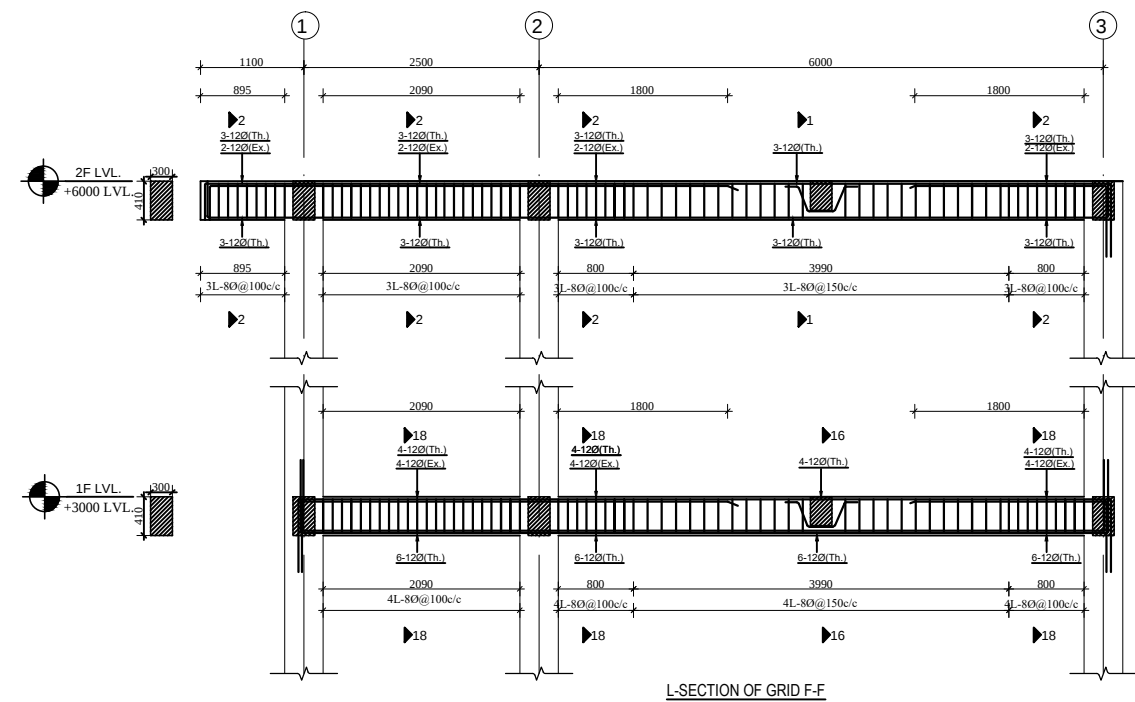
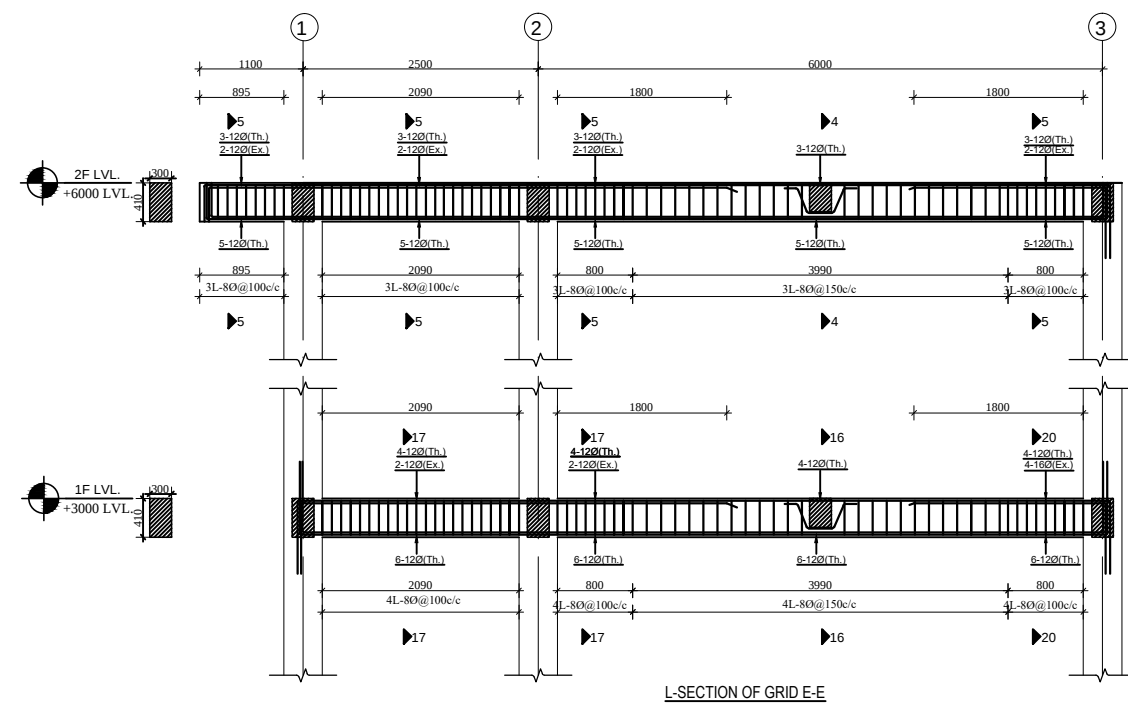
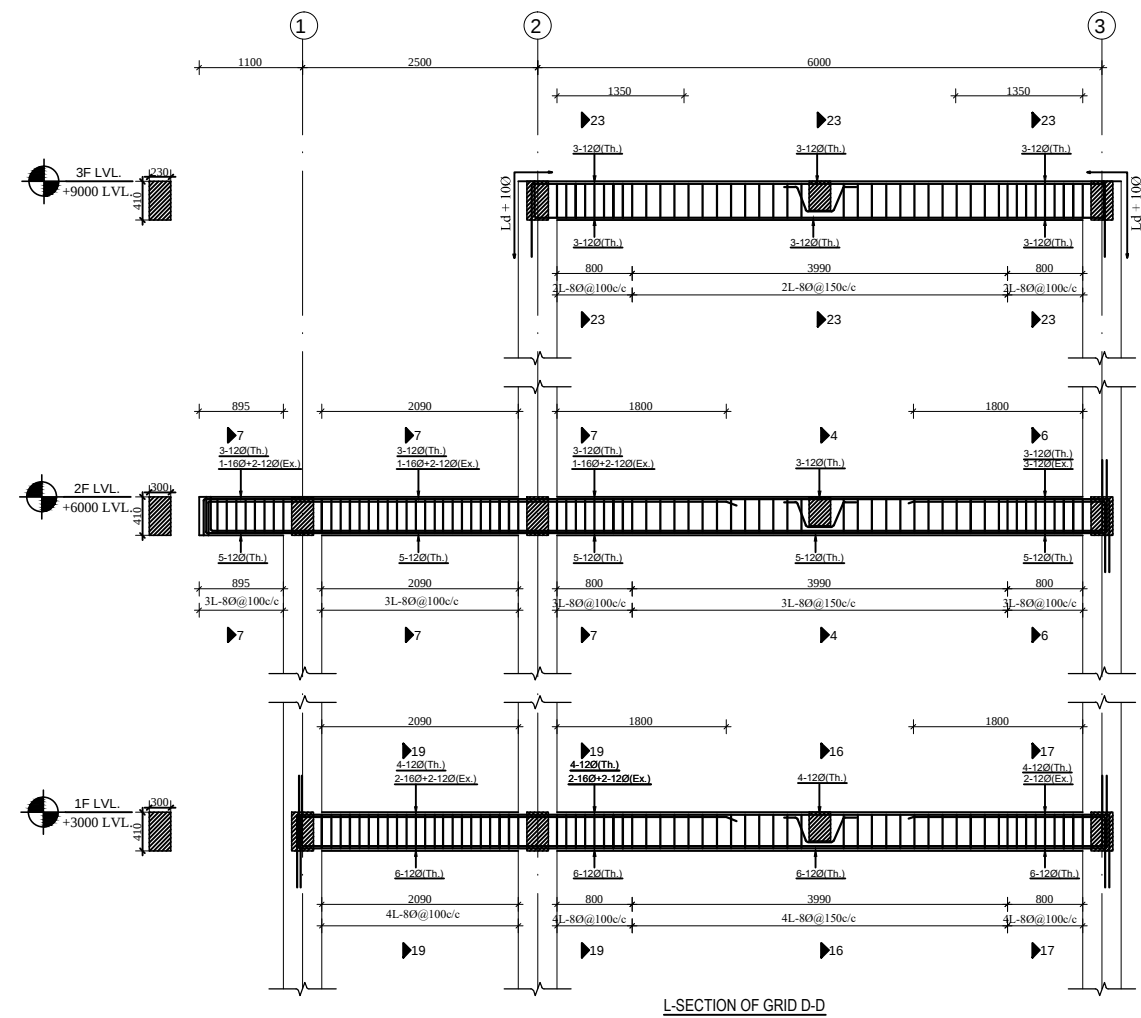
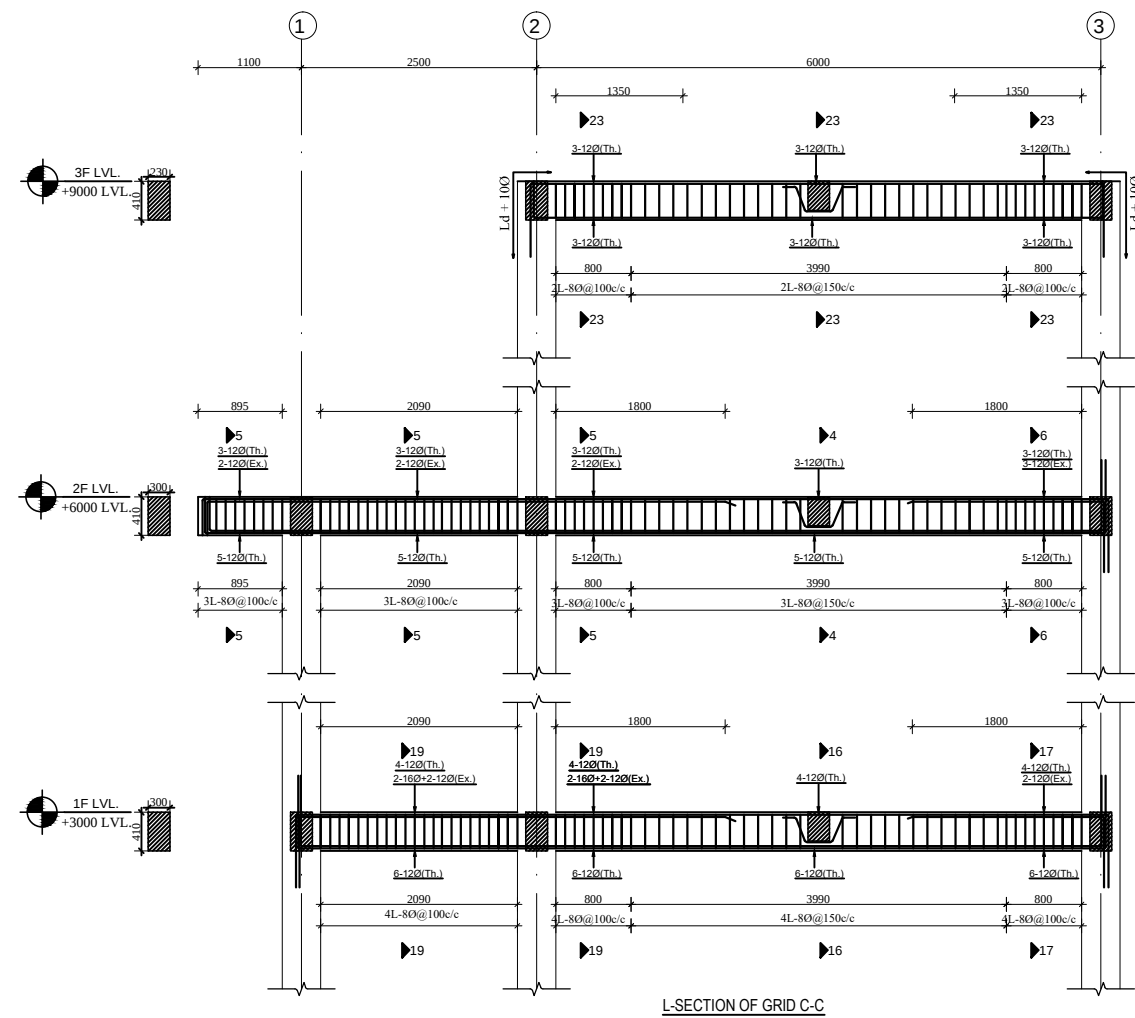


ROOF FLOOR BEAM LAYOUT PLAN

|                                                        |                                                                                                                                                                                |                                                        |                     |                                                                         |                    |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|-------------------------------------------------------------------------|--------------------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda<br>Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Community Building-Structural Drawings | SCALE: As mentioned | DESIGNED BY :<br>Kp Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No.<br>ST-07 |
|                                                        |                                                                                                                                                                                |                                                        | DATE: June, 2024    |                                                                         |                    |







**CLIENT :**

Ghodaghodi Municipality  
Sukhad, Kailali

|                       |
|-----------------------|
| <b>PROJECT TITLE:</b> |
|-----------------------|

Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

|                     |
|---------------------|
| <b>SHEET TITLE:</b> |
|---------------------|

Community Building-Structural Drawings

|                            |
|----------------------------|
| <b>SCALE:</b> As mentioned |
|----------------------------|

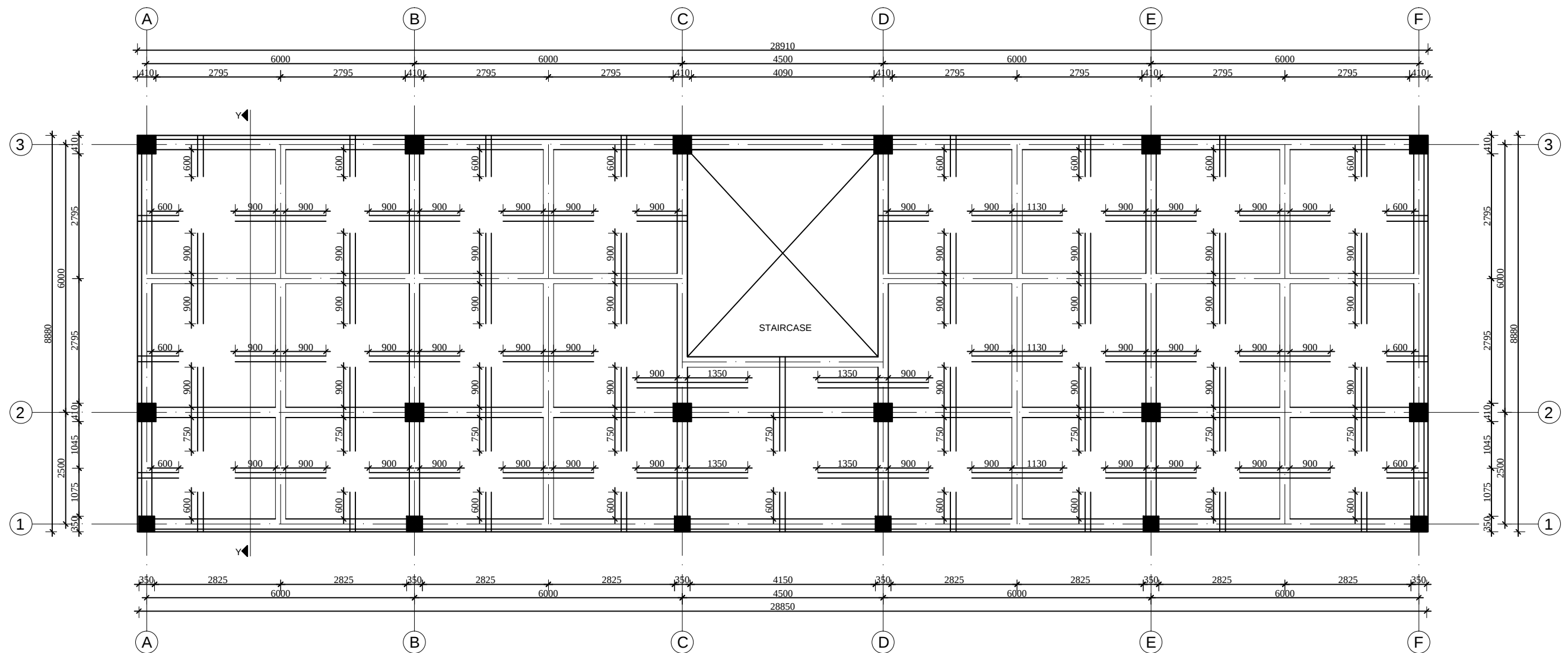
DATE: June, 2024

|               |
|---------------|
| DESIGNED BY : |
|---------------|

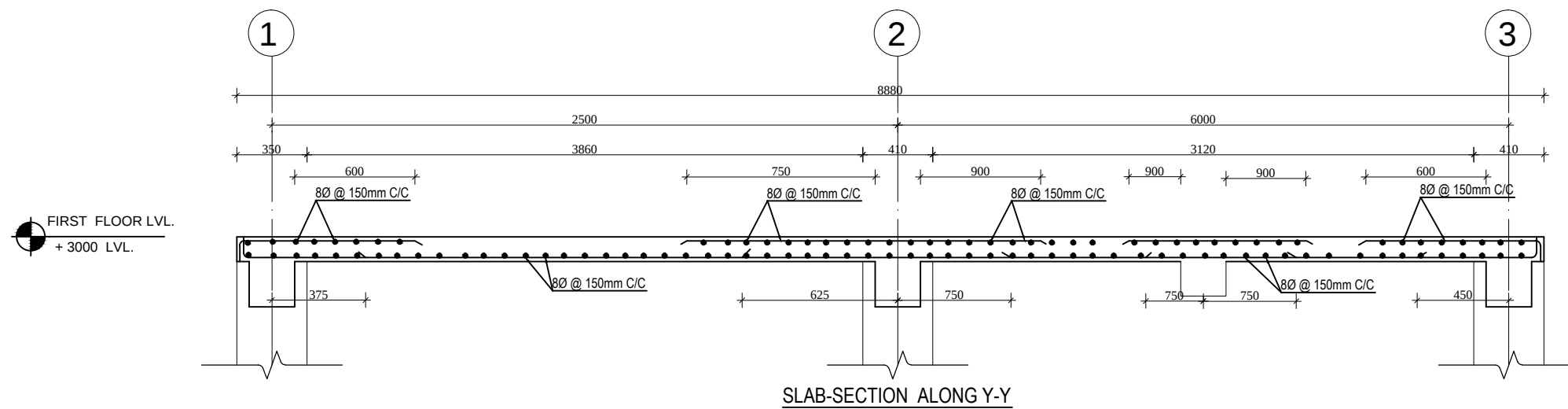
 Krithya Studio Pvt. Ltd.  
Tripureshwor, Kathmandu

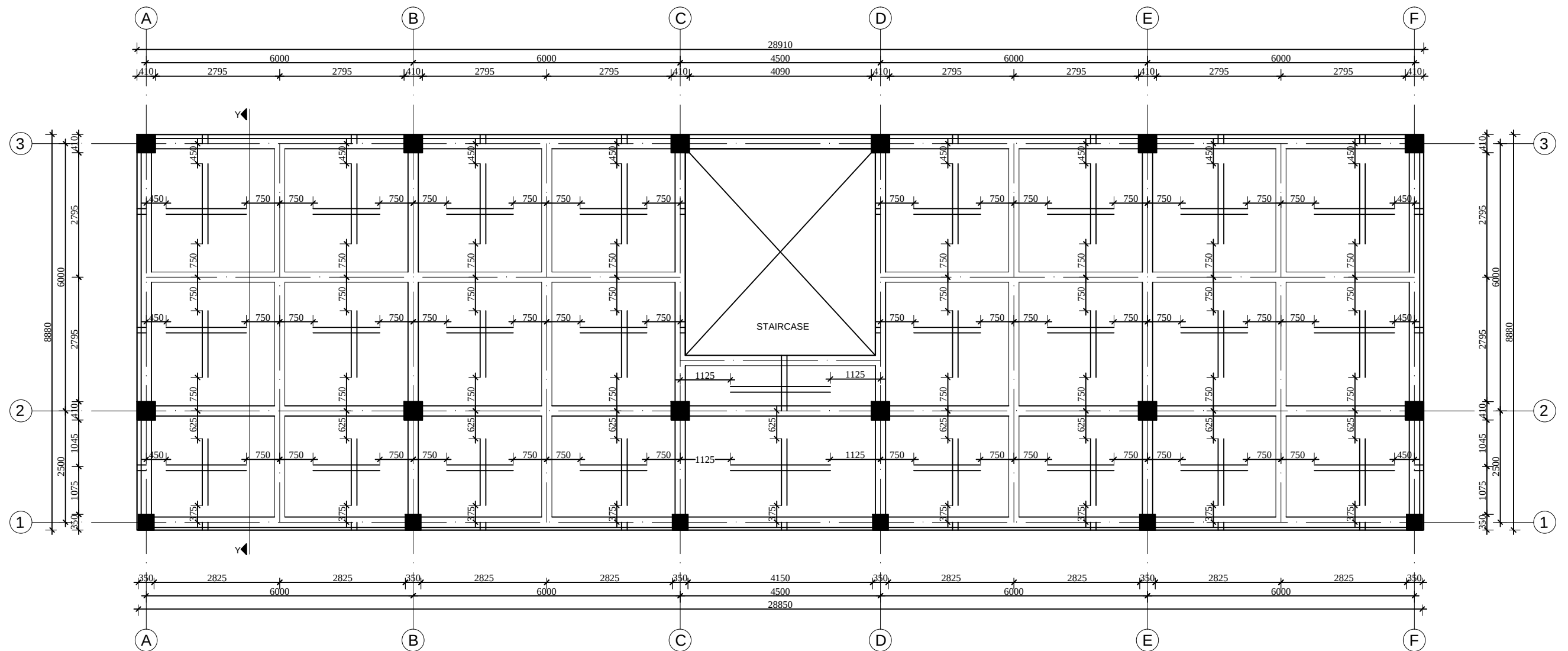
SHEET No.

ST-10

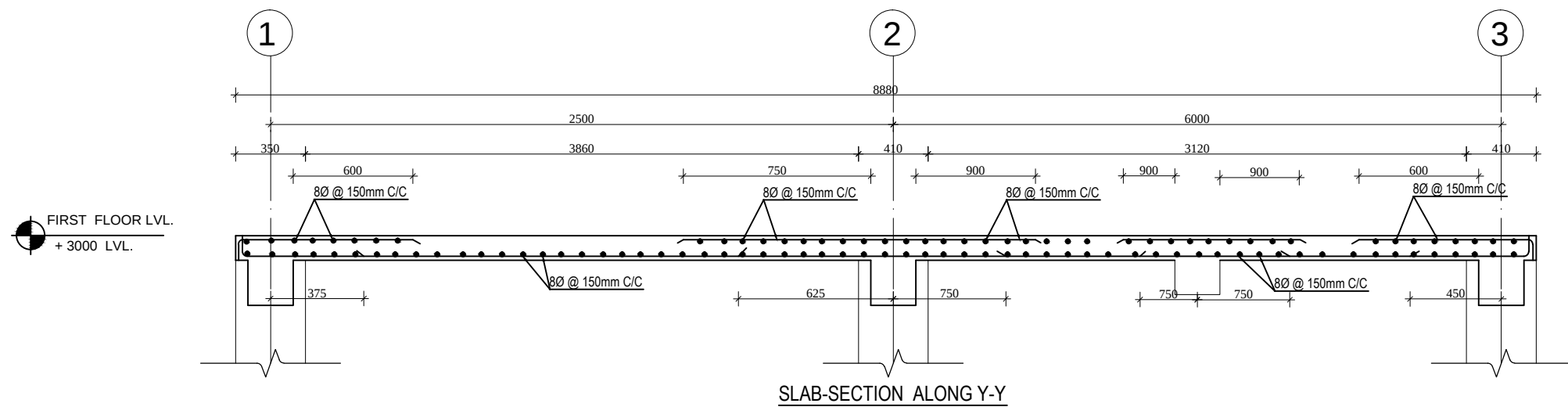


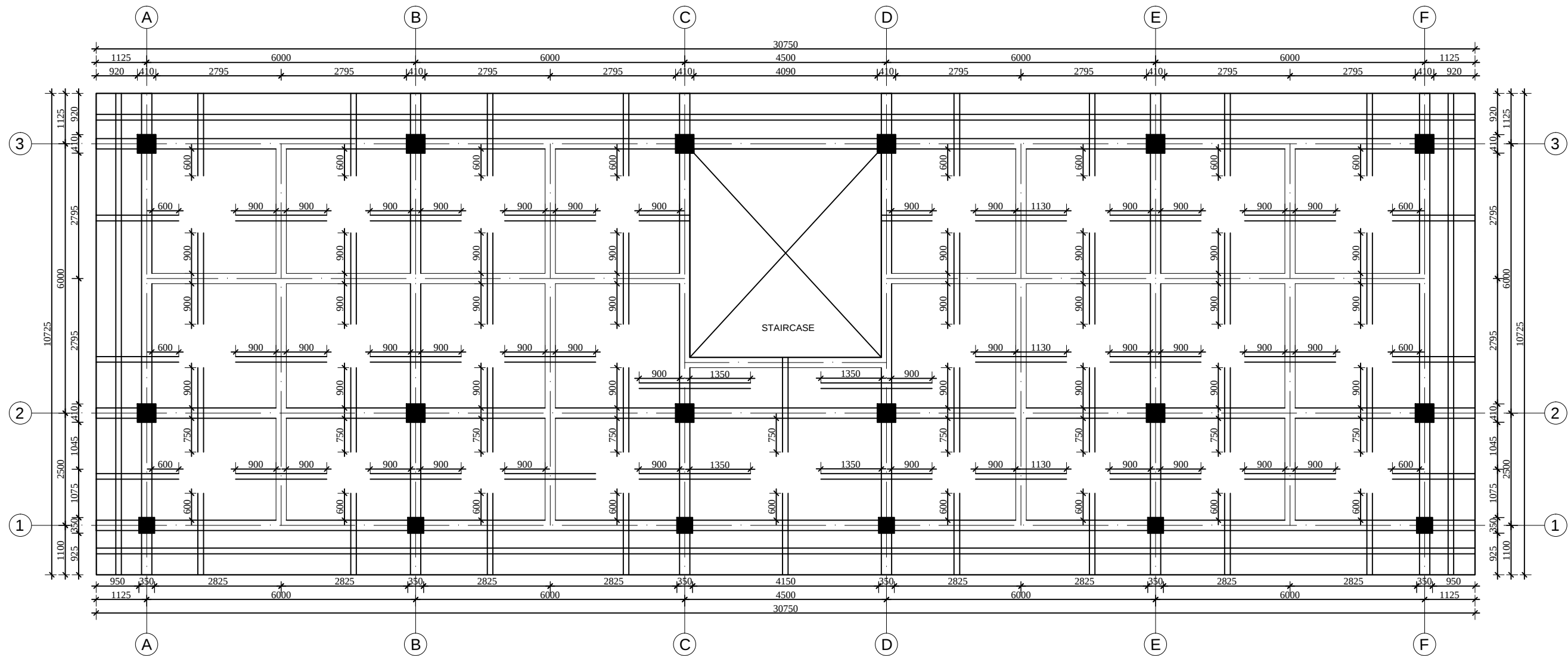
FIRST FLOOR SLAB REINFORCEMENT PLAN  
TOP REINFORCEMENT AND DISTRIBUTION BAR:  
 $8\phi @ 150\text{mm c/c}$



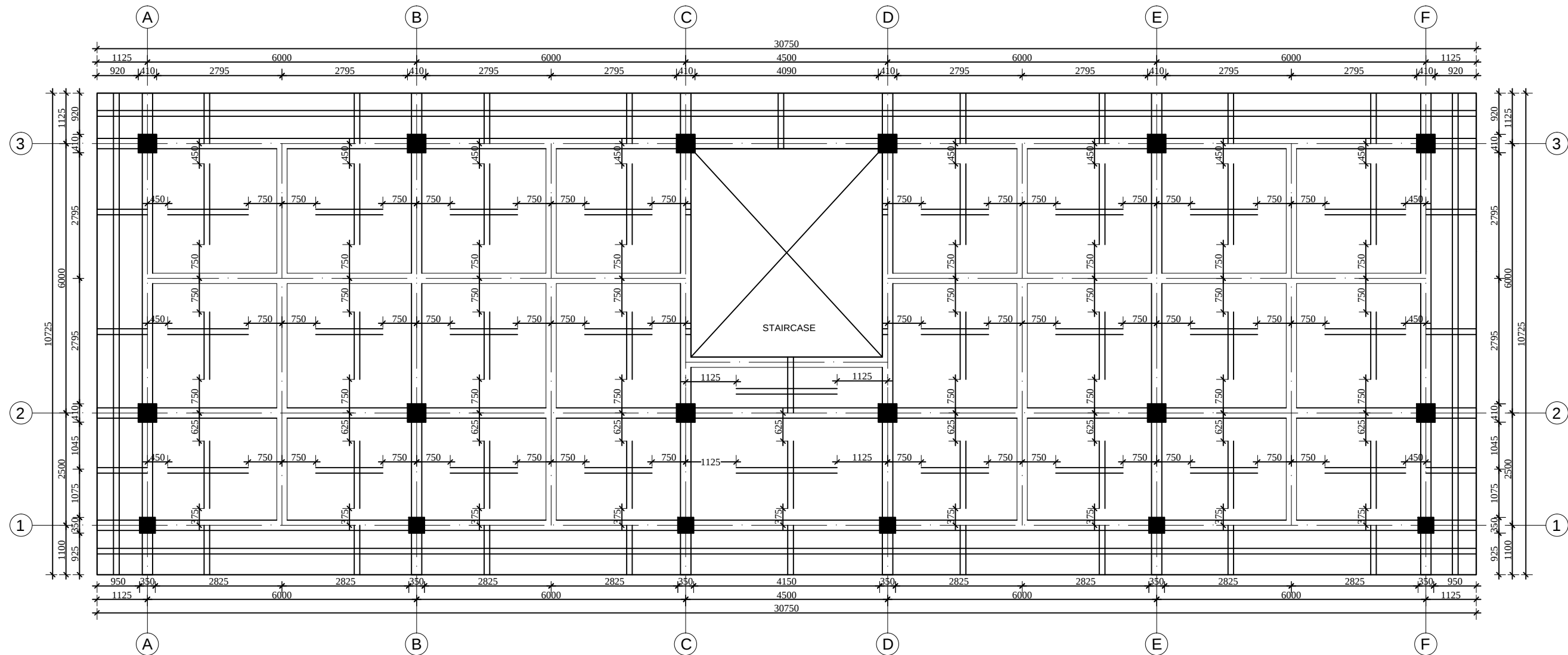


FIRST SLAB REINFORCEMENT PLAN  
BOT. REINFORCEMENT AND DISTRIBUTION BAR:  
8Ø@150mm c/c



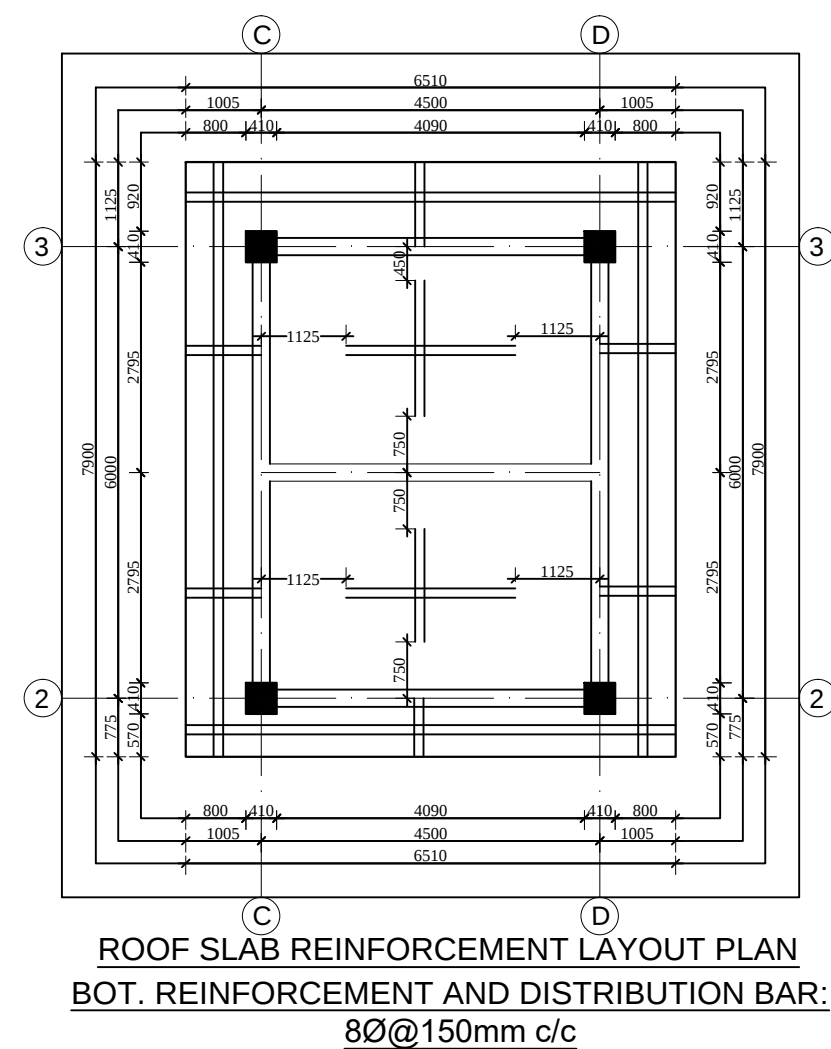
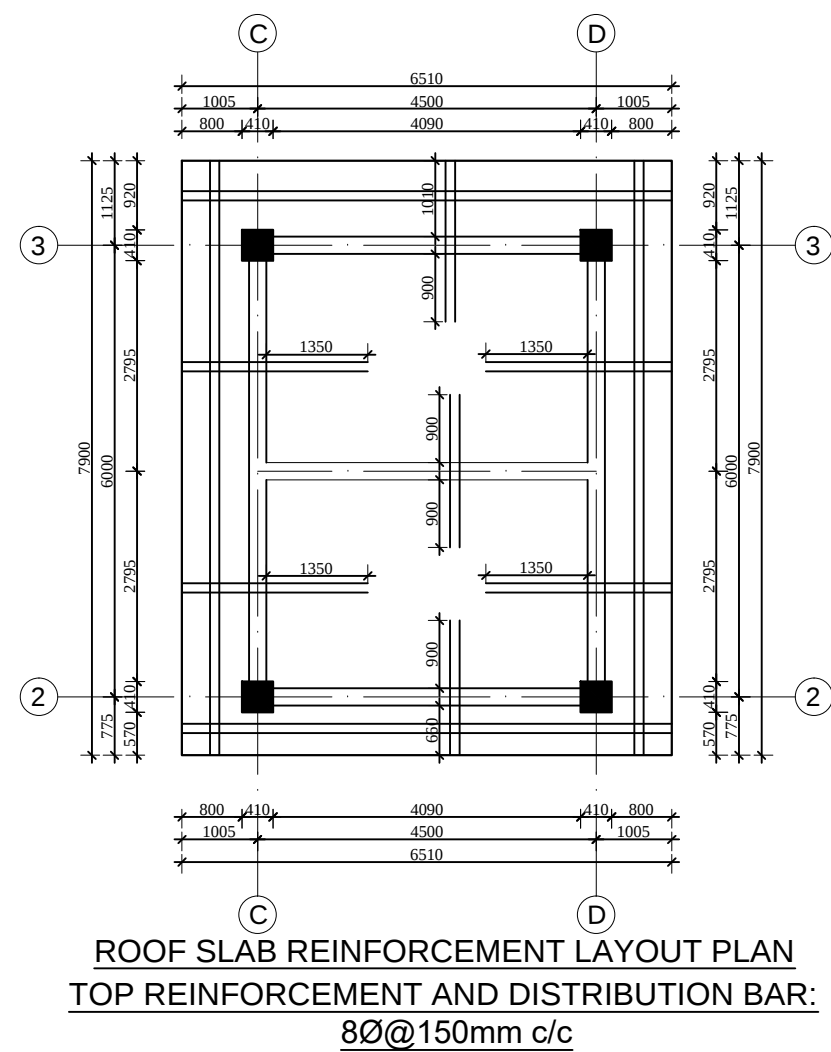


**FIRST FLOOR SLAB REINFORCEMENT PLAN**  
**TOP REINFORCEMENT AND DISTRIBUTION BAR:**  
**8Ø@150mm c/c**



FIRST FLOOR SLAB REINFORCEMNT PLAN  
BOT. REINFORCEMENT AND DISTRIBUTION BAR:  
8Ø@150mm c/c

|                                                        |                                                                                                                                                                                |                                                        |                     |                                                                         |           |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|-------------------------------------------------------------------------|-----------|
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|                                                        |                                                                                                                                                                                |                                                        | DATE: June, 2024    |                                                                         | ST-14     |



1. USE M20 (1:1.5:3) GRADE CONCRETE FOR SLAB, BEAM, COLUMN, FOUNDATION, SILL & LINTEL BANDS (ALL RCC WORKS)
2. USE Fe500 GRADE STEEL ( $f_y=500\text{N/mm}^2$ )
3. CLEAR COVER TO BARS
  - a. FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = MIN 50mm
  - b. FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 40mm
  - c. FOR MAIN BARS IN BEAMS = 25mm
  - d. FOR OUTER BARS IN SLAB = 20mm

- #### 6. DEVELOPMENT / LAP LENGTH (Ld.) FOR BARS.

|              |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|
| BAR DIA-(mm) | 8    | 10   | 12   | 16   | 20   | 25   | 32   |
| FOR M20 Ld   | 1'7" | 2'0" | 2'5" | 3'1" | 4'0" | 5'0" | 6'6" |

- 
- (0.15\*L1 or Ld) whichever is greater
- 0.3\*L1
- 0.3\*L2
- FLOOR BEAM
- SECONDARY BEAM
- L1
- L2
- ELEVATION OF V

The diagram illustrates the required lap length ( $L_d$ ) for reinforcement bars in a beam. The top part shows the lap length for bars in the top of the beam, which is  $L_d + 100$ . The bottom part shows the lap length for bars in the bottom of the beam, which is  $L_d$ . The diagram also indicates the required lap length for bars in the top and bottom of the beam, which is  $>0.3L$  or  $L_d$  or  $2d$  whichever is greater. The diagram also indicates the required lap length for bars in the top and bottom of the beam, which is  $>0.25L$  or  $L_d$  whichever is greater.

The diagram illustrates a bent-up bar connection between a secondary beam and a main beam. The secondary beam is shown as a horizontal member with a central rectangular cutout. The main beam is shown as a horizontal member below the secondary beam. Two bent-up bars, labeled "2 NOS. - 12mmØ (BENT UP BAR)", are shown passing through the secondary beam and bending down into the main beam. The distance from the center of the secondary beam to the end of the bent-up bar is labeled "Ld.". The main beam is labeled "MAIN BEAM" and the secondary beam is labeled "SECONDARY BEAM".

CONNECTION DETAIL BETWEEN

Figure 10 is a sectional view of a window assembly. It shows a cross-section of the window frame and the surrounding wall. The window is divided into three vertical panes. The top of the window is labeled 'LINTEL BAND' and the bottom is labeled 'SILL BAND'. The panes are labeled 'A' and 'B'.

Lap portion: minimum 8Ø, 4" C/C



80 CHAIR DETAIL

3 NOS.-8mmØ U-SHAPED TIES MAY BE PROVIDED IN CASE OF DIFFICULTY IN PROVIDING CLOSE STIRRUPS

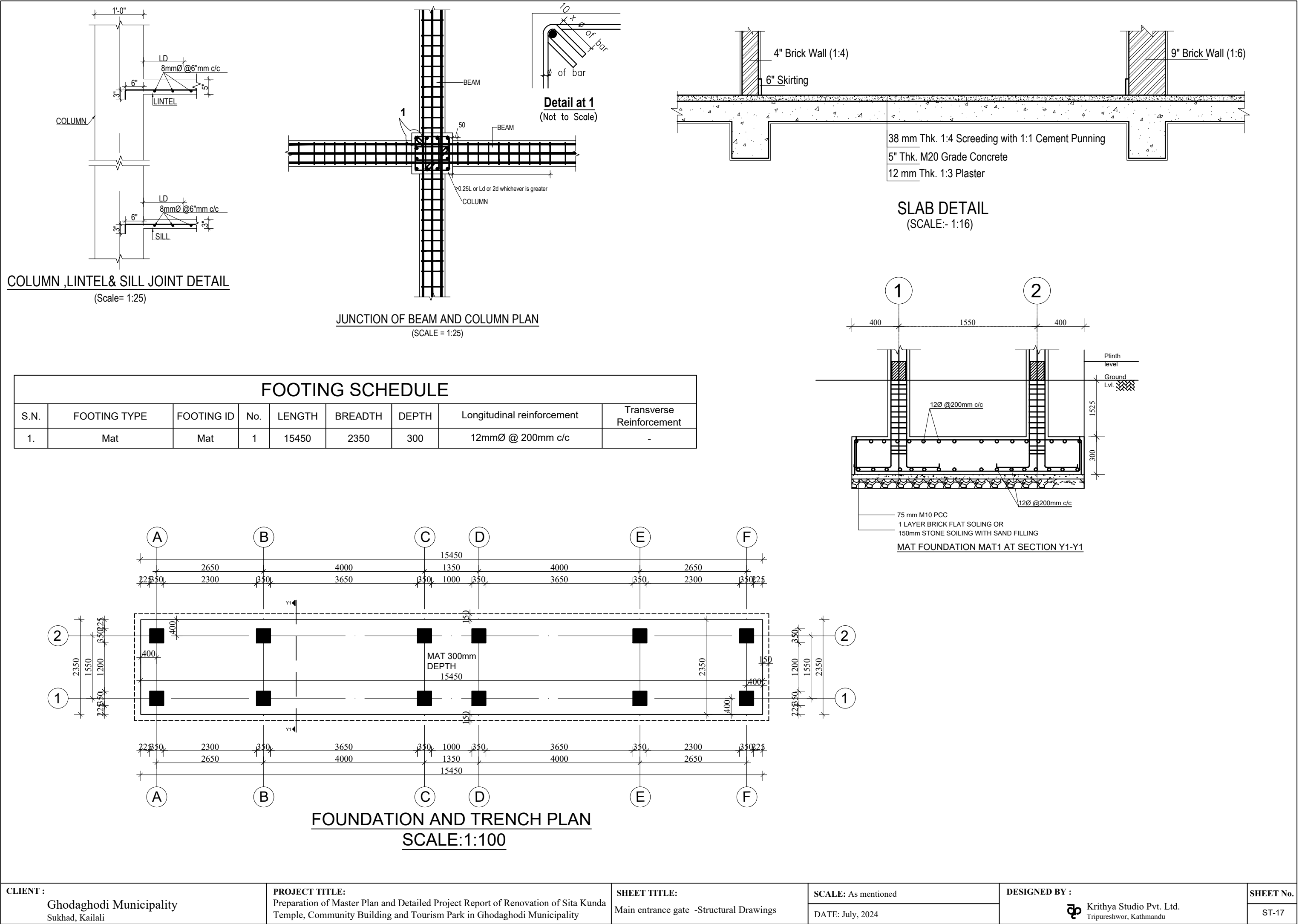
1:6 SLOPE RATIO

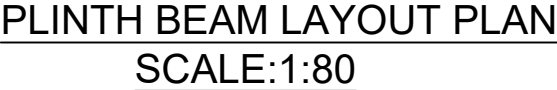
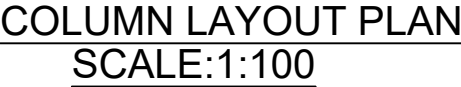
3 NOS.-8mmØ  
U-SHAPED TIES MAY BE  
PROVIDED IN CASE OF DIFFICULTY  
IN PROVIDING CLOSE STIRRUPS

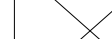
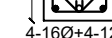
1:6 SLOPE RATIO

DETAIL 3 NOS.-8mmØ  
U-SHAPED TIES MAY BE  
PROVIDED IN CASE OF DIFFICULTY  
IN PROVIDING CLOSE STIRRUPS

TYP. COLUMN SHEAR  
REINFORCEMENT DETAIL





| S.N. | GRID ID.                  | COLUMN ID | BUILDING STOREY, SIZE AND REINFORCEMENT                                             |                                                                                     | STIRRUPS REINFORCEMENT          |                         | SHAPE OF STIRRUPS                                                                                                                                                       |
|------|---------------------------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                           |           | GROUND FLOOR                                                                        | 1ST FLOOR                                                                           | Special Confining Ties h(0.25H) | Mid Lateral Ties (H-2h) |                                                                                                                                                                         |
| 1.   | A1,A2 & F1,F2             | C1        |  |  | Ø8-2Legs @ 100mm c/c            | Ø8-2Legs @ 150mm c/c    |   |
| 2.   | B1,B2,C1, C2,D1,D2, E1,E2 | C2        |  |  |                                 |                         |                                                                                                                                                                         |

1ST LVL.  
+6250 LVL.

PLINTH LVL.  
+600 LVL.

1550

3-12Ø(Th.)

3-12Ø(Th.)

1185

2L-8Ø@100c/c

3-12Ø(Th.)

3-12Ø(Th.)

1185

2L-8Ø@100c/c

Ld + 10Ø

Ld + 10Ø

300

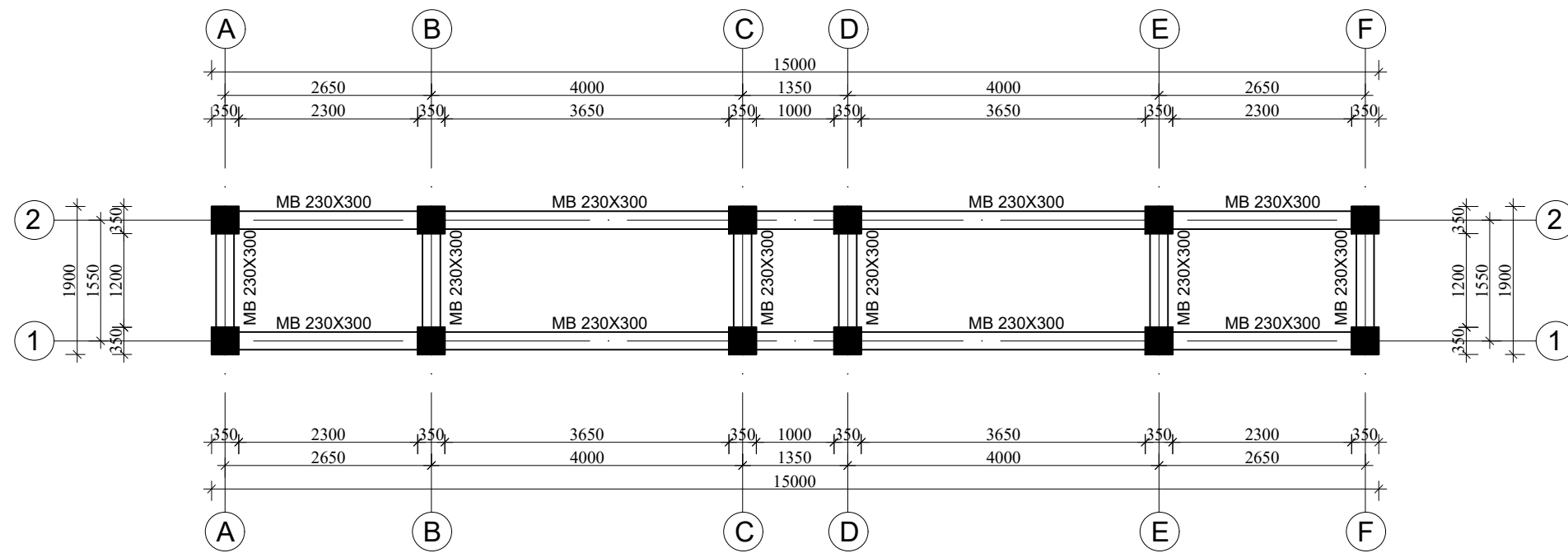
230

300

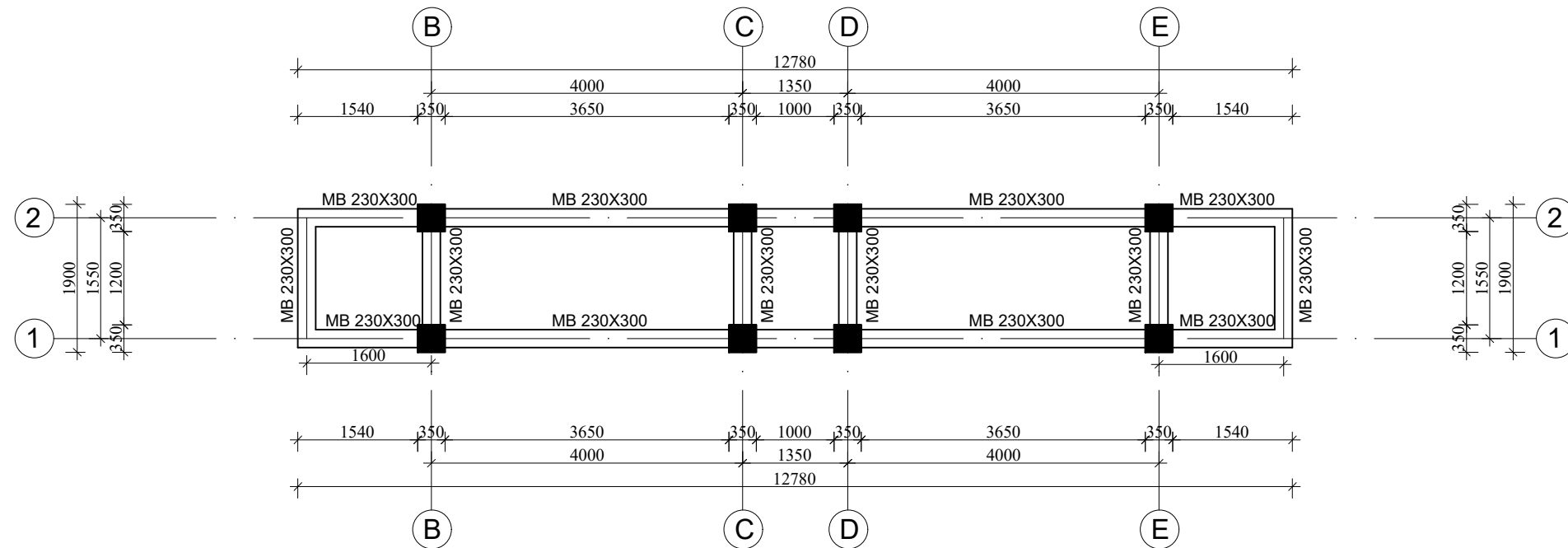
230

L-SECTION OF GRID A-A&F-F

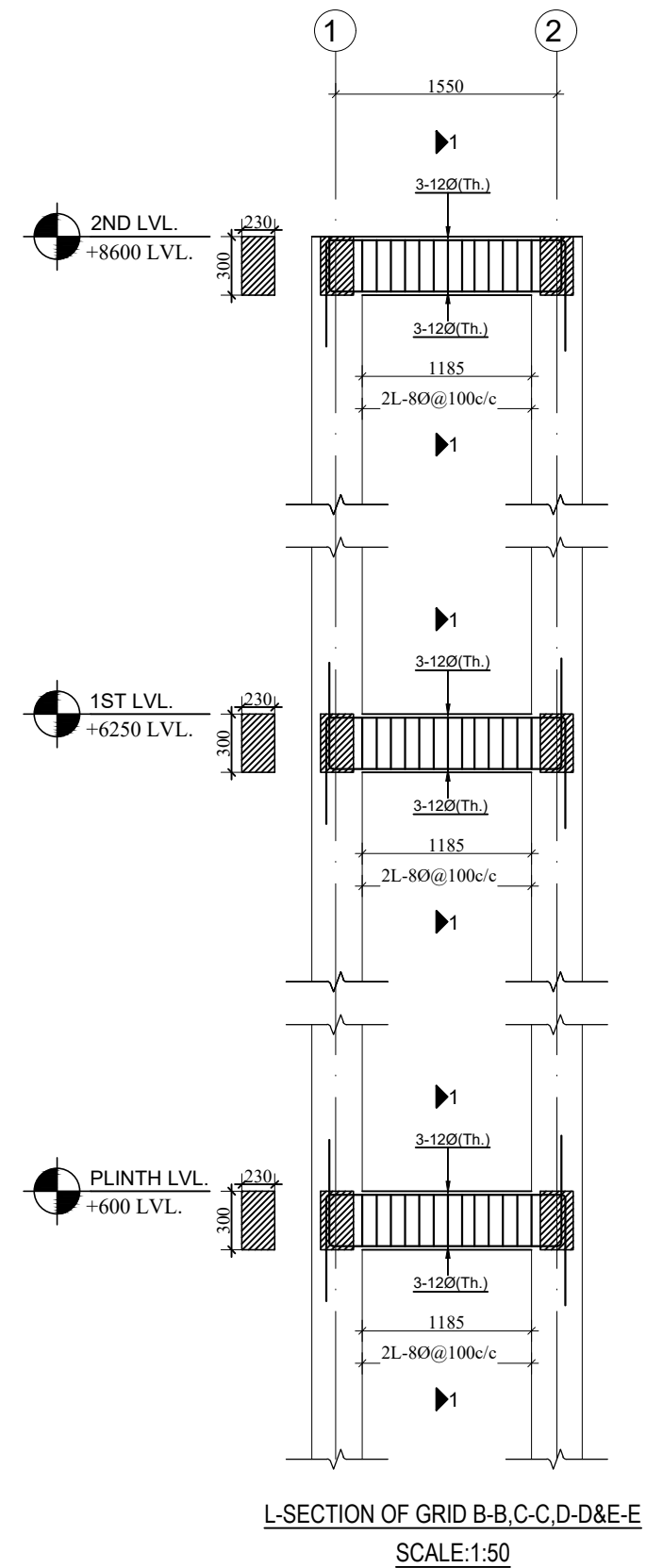
SCALE:1:50



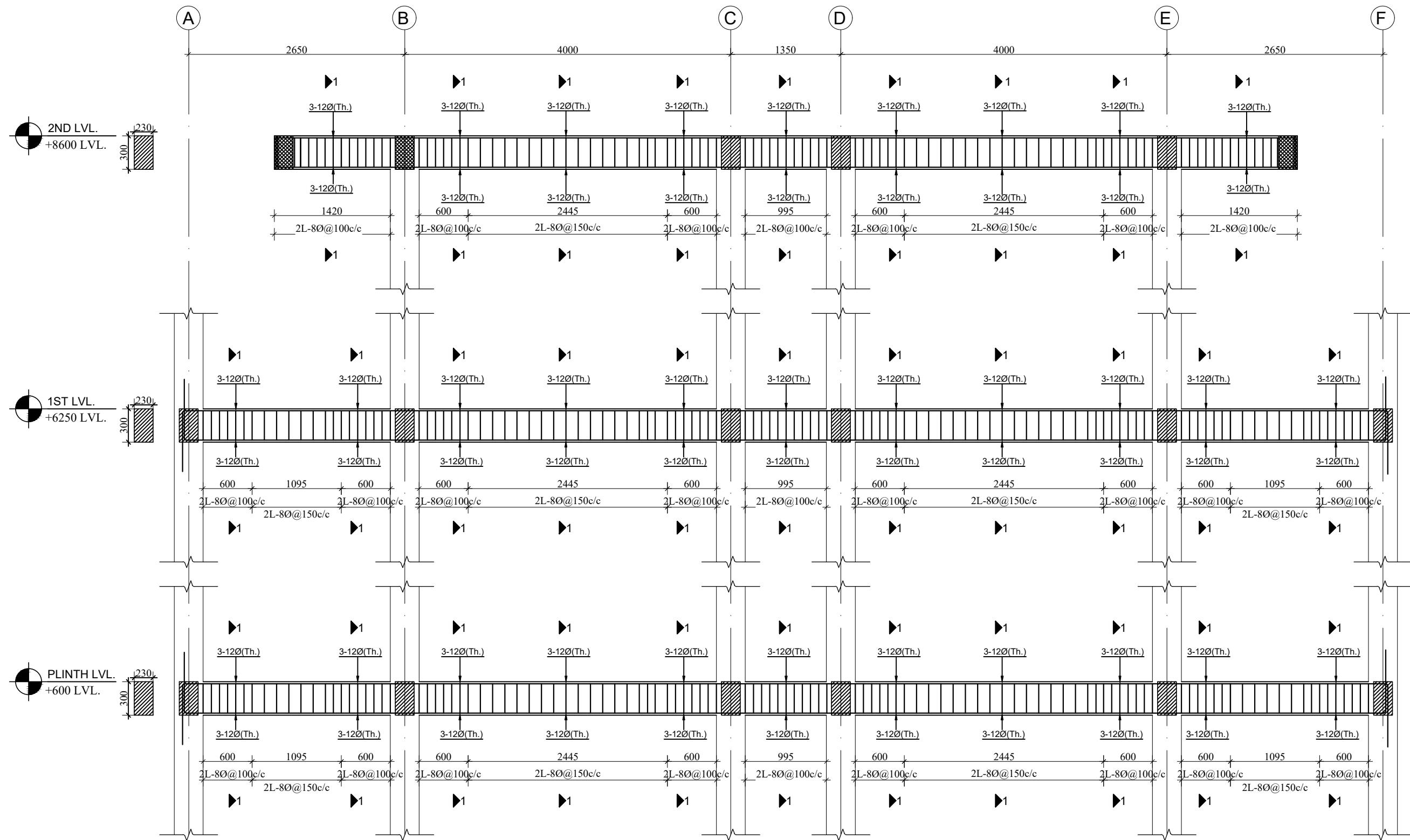
**FIRST BEAM LAYOUT PLAN**  
**SCALE:1:80**



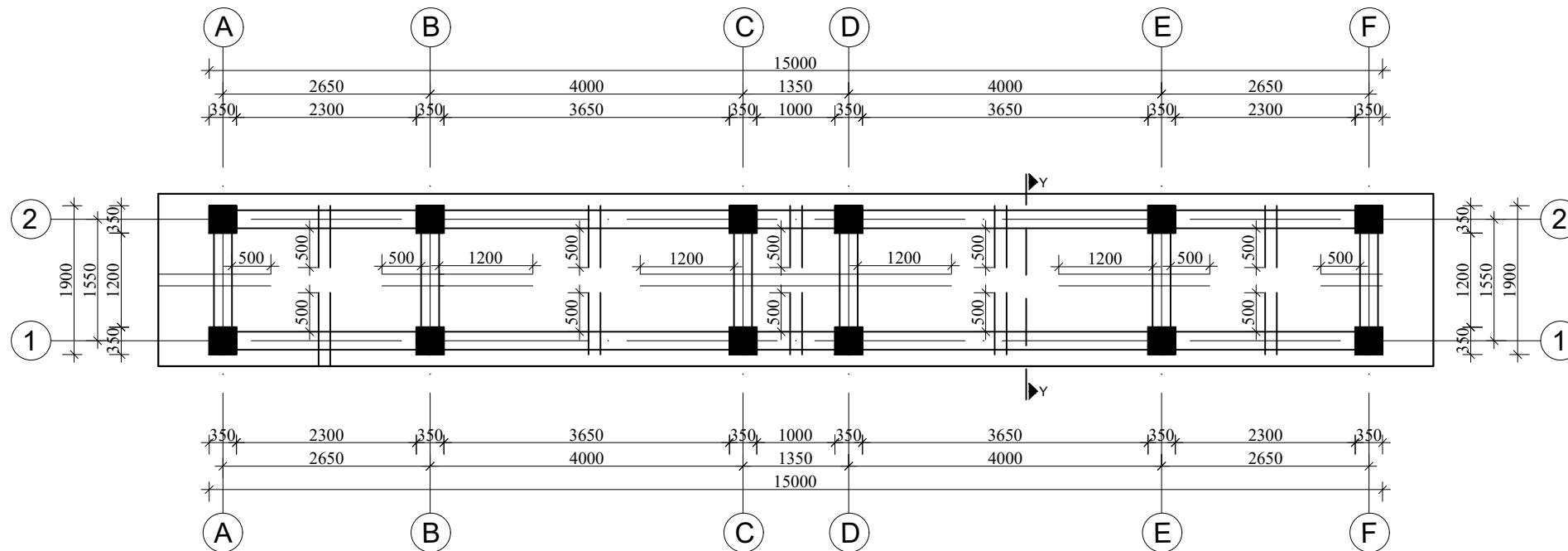
**SECOND BEAM LAYOUT PLAN**  
**SCALE:1:80**



**L-SECTION OF GRID B-B,C-C,D-D&E-E**  
**SCALE:1:50**

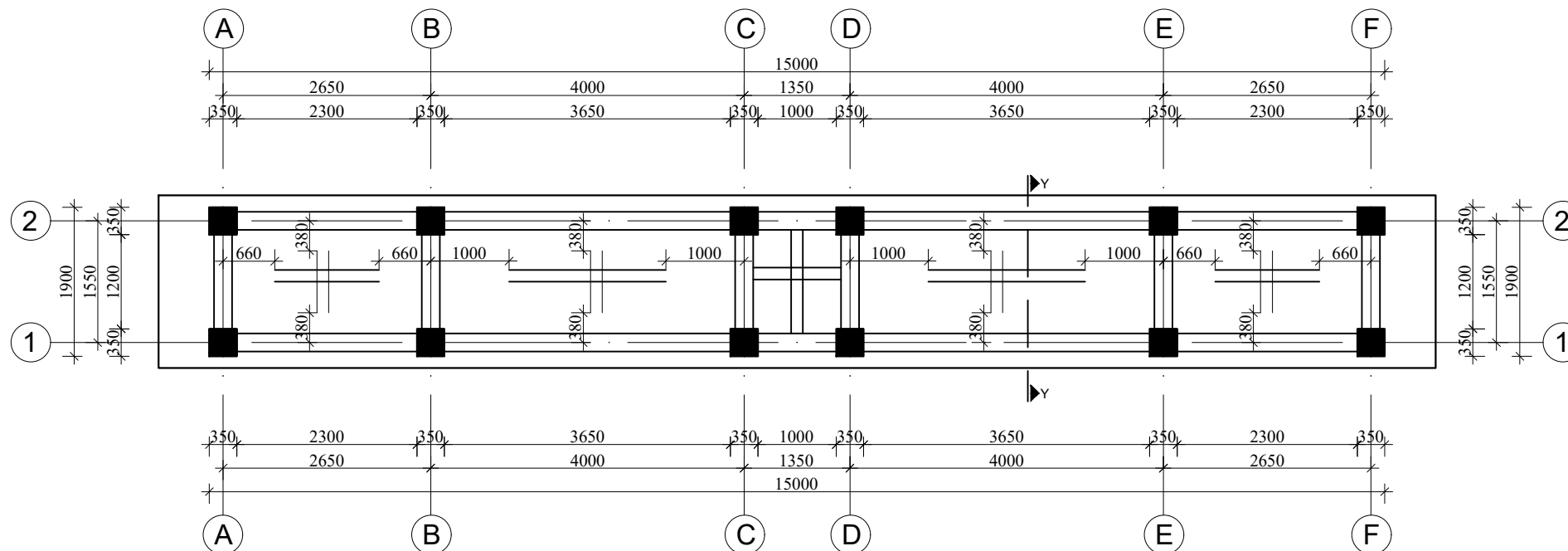


L-SECTION OF GRID 1-1&2-2  
SCALE:1:50



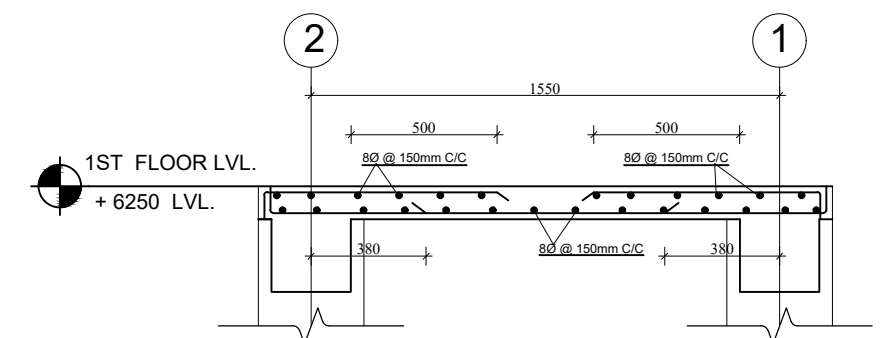
**FIRST FLOOR SLAB REINFORCEMENT PLAN**  
**TOP REINFORCEMENT AND DISTRIBUTION BAR:**  
 $8\varnothing@150\text{mm}/c$

**SCALE:1:80**



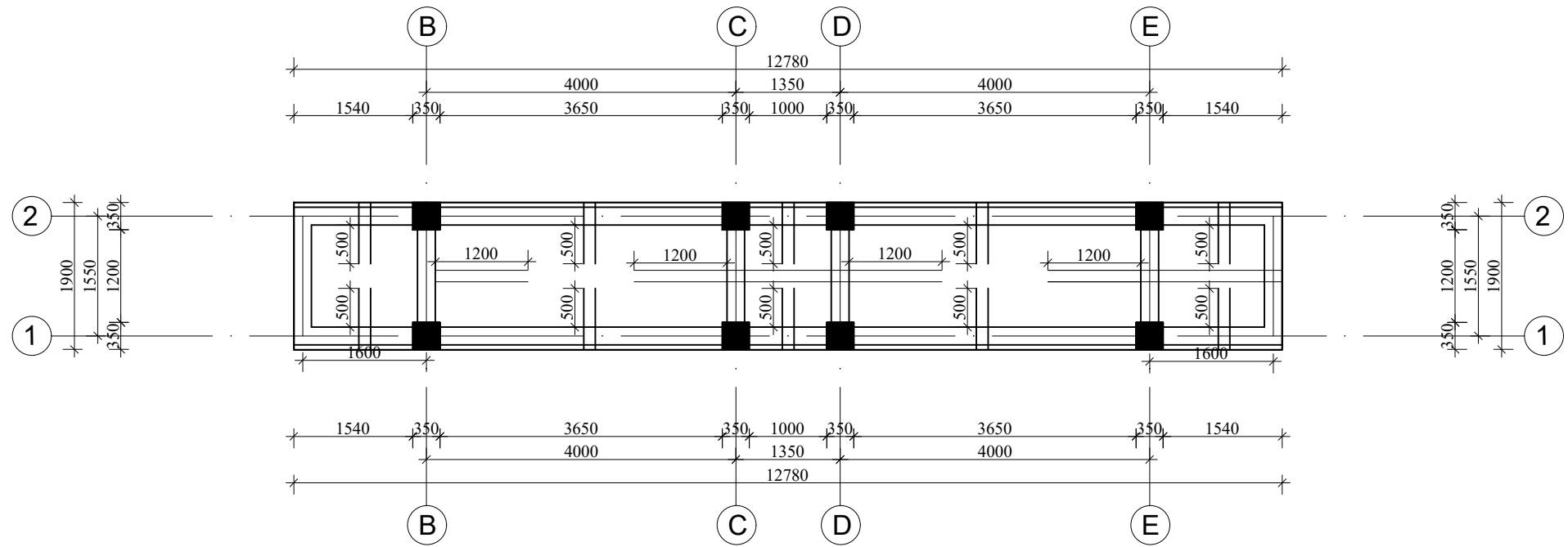
**FIRST FLOOR SLAB REINFORCEMENT PLAN**  
**BOT. REINFORCEMENT AND DISTRIBUTION BAR:**  
 $8\varnothing@150\text{mm}/c$

**SCALE:1:80**

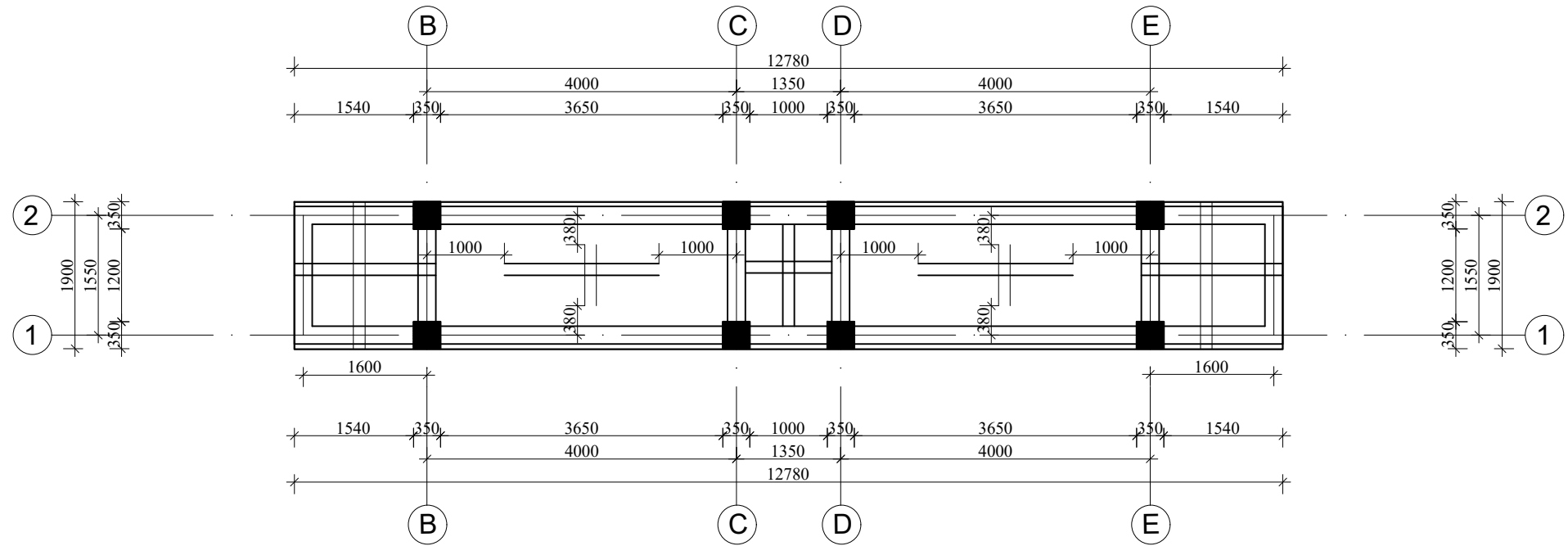


**SLAB SECTION ALONG Y-Y**  
**SCALE 1:25**

|                                                        |                                                                                                                                                                             |                                                         |                     |                                                                      |                    |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|----------------------------------------------------------------------|--------------------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Main entrance gate -Structural Drawings | SCALE: As mentioned | DESIGNED BY :<br>Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No.<br>ST-21 |
|                                                        |                                                                                                                                                                             |                                                         | DATE: July, 2024    |                                                                      |                    |



**SECOND FLOOR SLAB REINFORCEMENT PLAN**  
**TOP REINFORCEMENT AND DISTRIBUTION BAR:**  
**8Ø@150mmc/c**  
**SCALE:1:80**



**SECOND FLOOR SLAB REINFORCEMENT PLAN**  
**BOT. REINFORCEMENT AND DISTRIBUTION BAR:**  
**8Ø@150mmc/c**  
**SCALE:1:80**

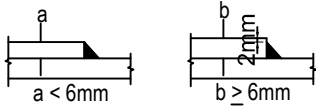
GENERAL NOTE:

1. FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CONTRACT AND SPECIFICATION.
2. ALL WELDING AND FABRICATION SHALL BE IN ACCORDANCE WITH AWS D1.1 AND MBMA 2006.
3. ALL BUILT-UP MEMBER SHOULD BE BOTH SIDE CONTINUOUS WELDED.

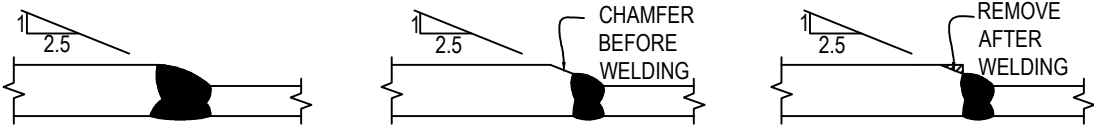
TABLE: 1 - MINIMUM SIZE OF FILLET WELDS ( IS 800:2007)

| MATERIAL THICKNESS OF THINNER PART JOINED, ( mm) | MINIMUM SIZE OF FILLET WELD,E, ( mm) |
|--------------------------------------------------|--------------------------------------|
| TO 6mm                                           | 3mm                                  |
| OVER 6mm TO 13mm                                 | 5mm                                  |
| OVER 13mm TO 19mm                                | 6mm                                  |
| OVER 19mm                                        | 8mm                                  |

MAXIMUM SIZE OF FILLET WELDS:



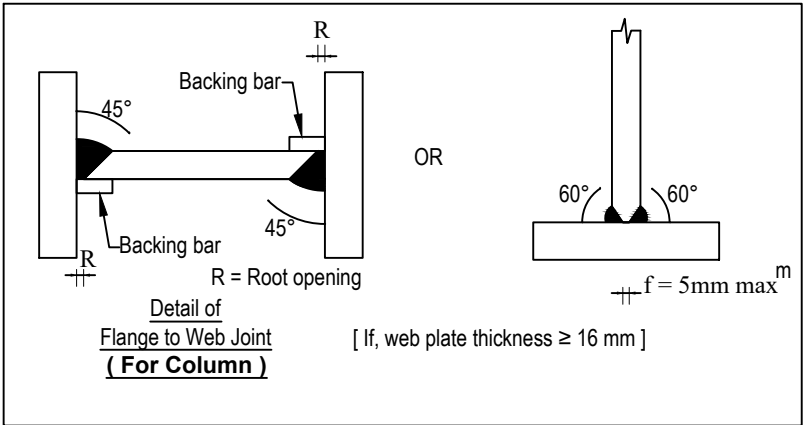
- (a) ALONG EDGES OF MATERIAL LESS THAN 6MM THICK; NOT GREATER THAN THE THICKNESS OF THE MATERIAL.
- (b) ALONG EDGES OF MATERIALS 6MM OR MORE THAN THICKNESS; NOT GREATER THAN THE THICKNESS OF MATERIAL MINUS 2MM, UNLESS THE WELD IS ESPECIALLY DESIGNATED OF DRAWING TO BE BOLT OUT TO OBTAIN FULL-THROAT THICKNESS.



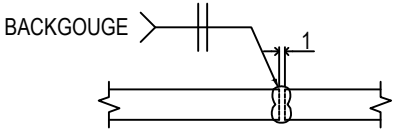
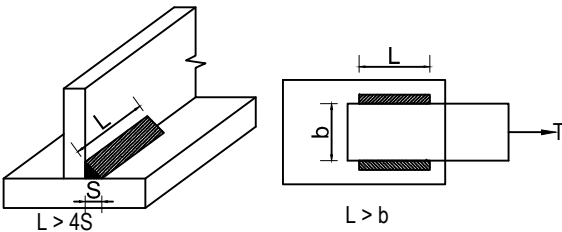
TRANSITION OF BUTT JOINTS IN PARTS OF UNEQUAL THICKNESS

GENERAL INSTRUCTION:

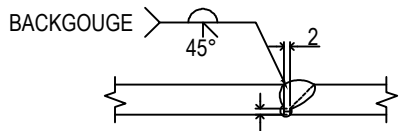
- Every member shall be built up with whole piece steel plate, not with spliced short pieces.
- If splice is unavoidable, the location of splice must be approval from the designer (low bending moment zone), one member only one location is allowed.
- All main build-up frame members and crane beams are double side continuous welded using fully Automatic Submerged Arc Welding (SAW). All butt joints on crane beams are full penetration joints with 100% UT Examination.



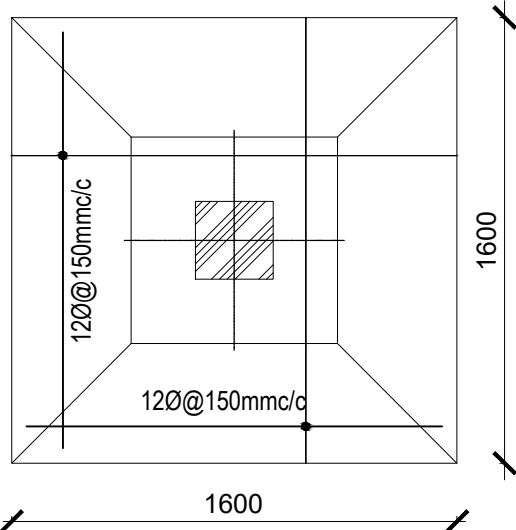
EFFECTIVE LENGTH OF FILLET WELD:



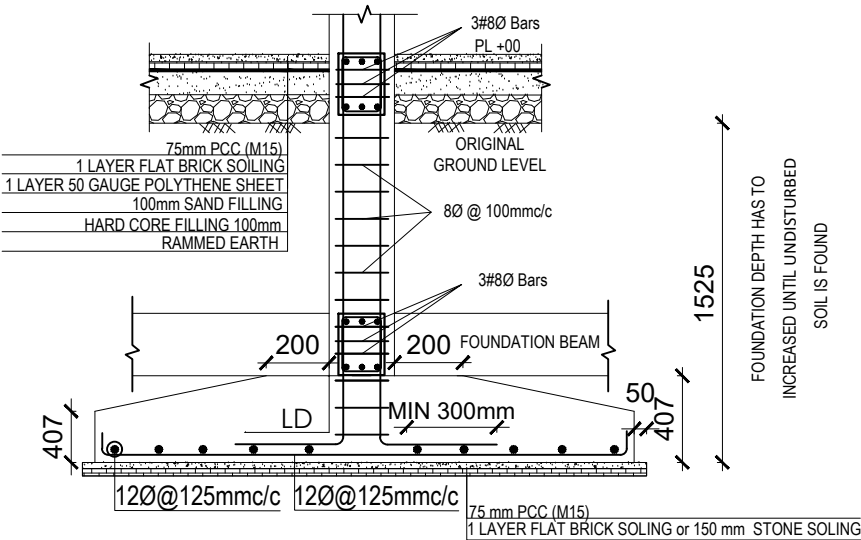
BUTT JOINT (<=6mm THICKNESS)



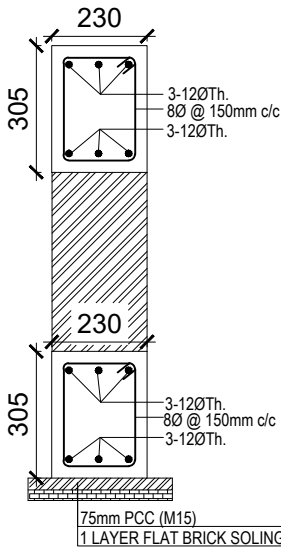
BUTT JOINT (>6mm THICKNESS)



ISOLATED FOUNDATION PLAN F1



ISOLATED FOUNDATION SECTION



SECTION AT XX

SECTION OF FOUNDATION BEAM

FOOTING SCHEDULE

| S.N. | FOOTING TYPE | FOOTING ID | No. | LENGTH      | BREADTH | DEPTH | Longitudinal reinforcement    | Transverse Reinforcement |
|------|--------------|------------|-----|-------------|---------|-------|-------------------------------|--------------------------|
| 1.   | Isolated     | F1         | 1   | 1600        | 1600    | 407   | 12mmØ @ 150mm c/c             | -                        |
| 2    | Tie beam     | TB         | -   | as per dwg. | 230     | 305   | 3-12Ø at top<br>3-12Ø at bot. | 2L-8@150mm c/c           |

CLIENT :  
Ghodaghodi Municipality  
Sukhad, Kailali

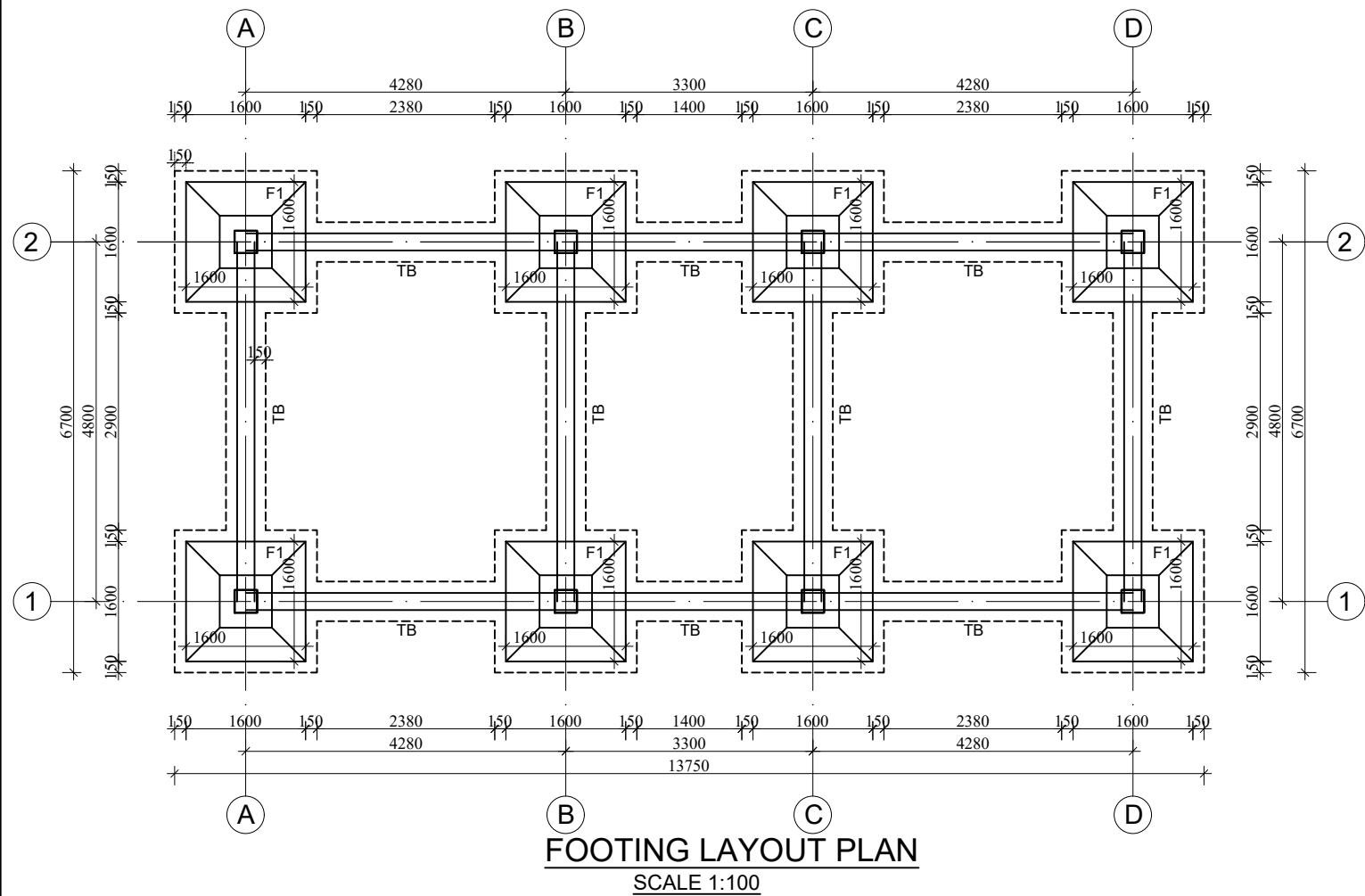
PROJECT TITLE:  
Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

SHEET TITLE:  
Generator Warehouse -Structural Drawings

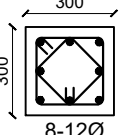
SCALE: As mentioned  
DATE: July, 2024

DESIGNED BY :  
Krithya Studio Pvt. Ltd.  
Tripureshwar, Kathmandu

SHEET No.  
ST-23



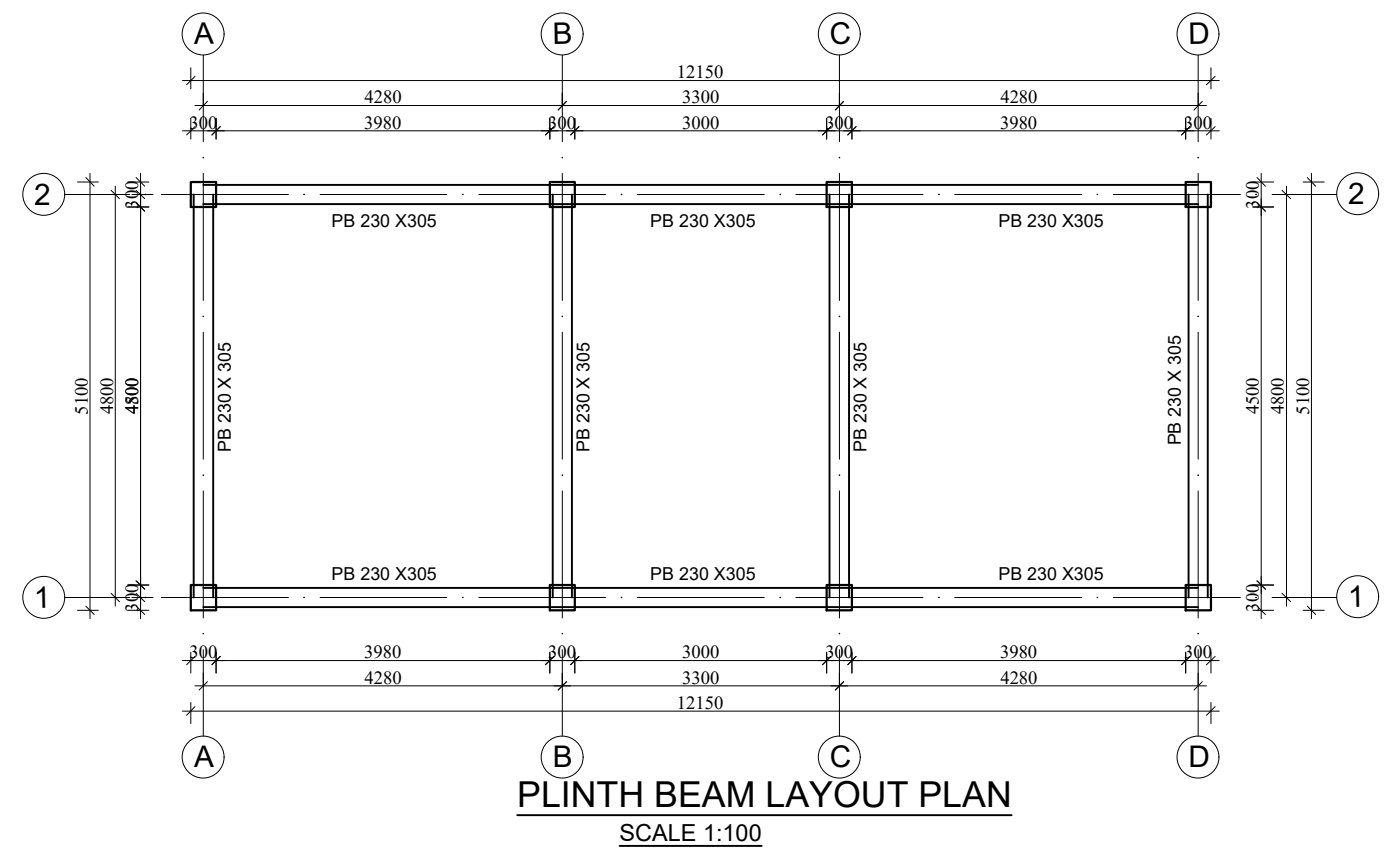
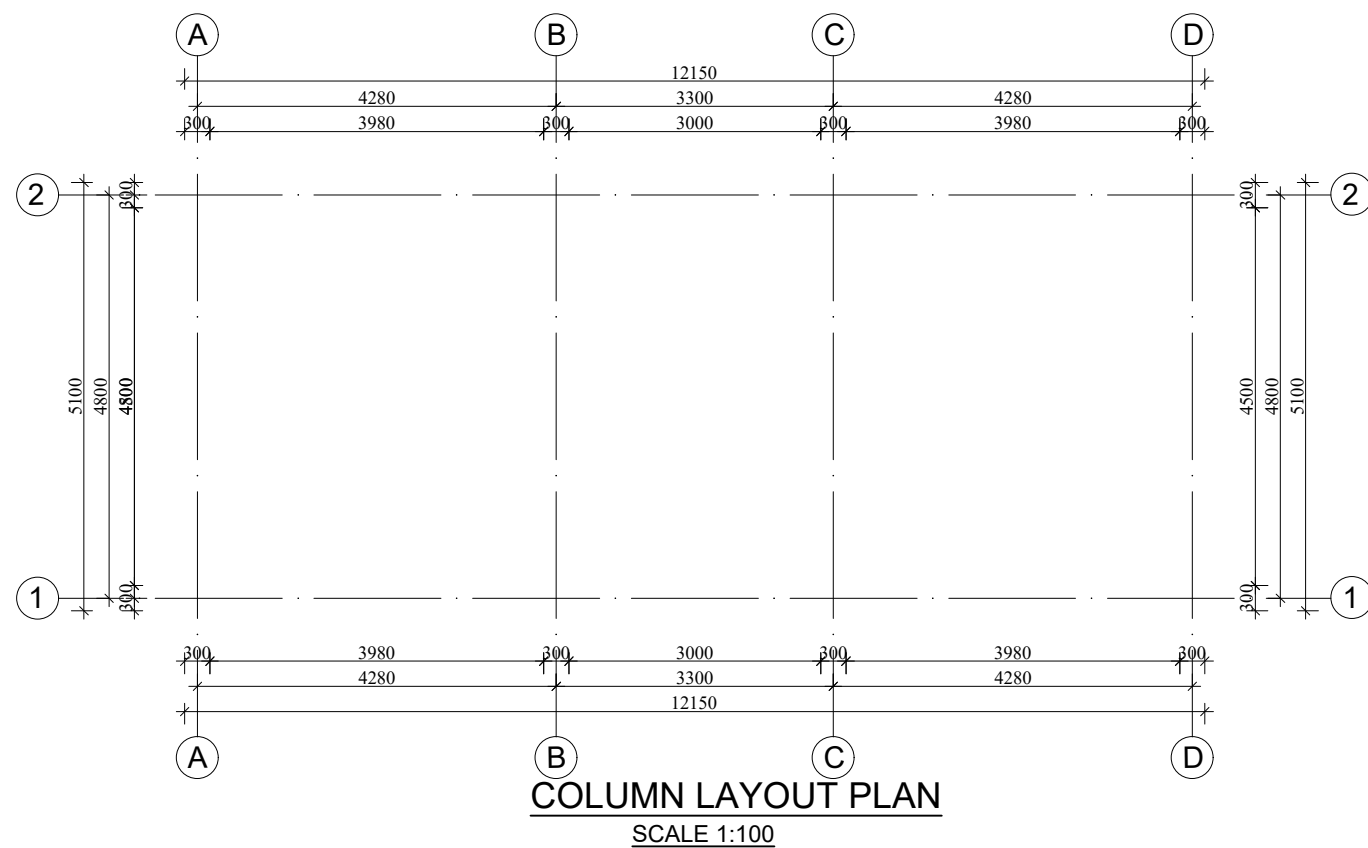
## Column schedule

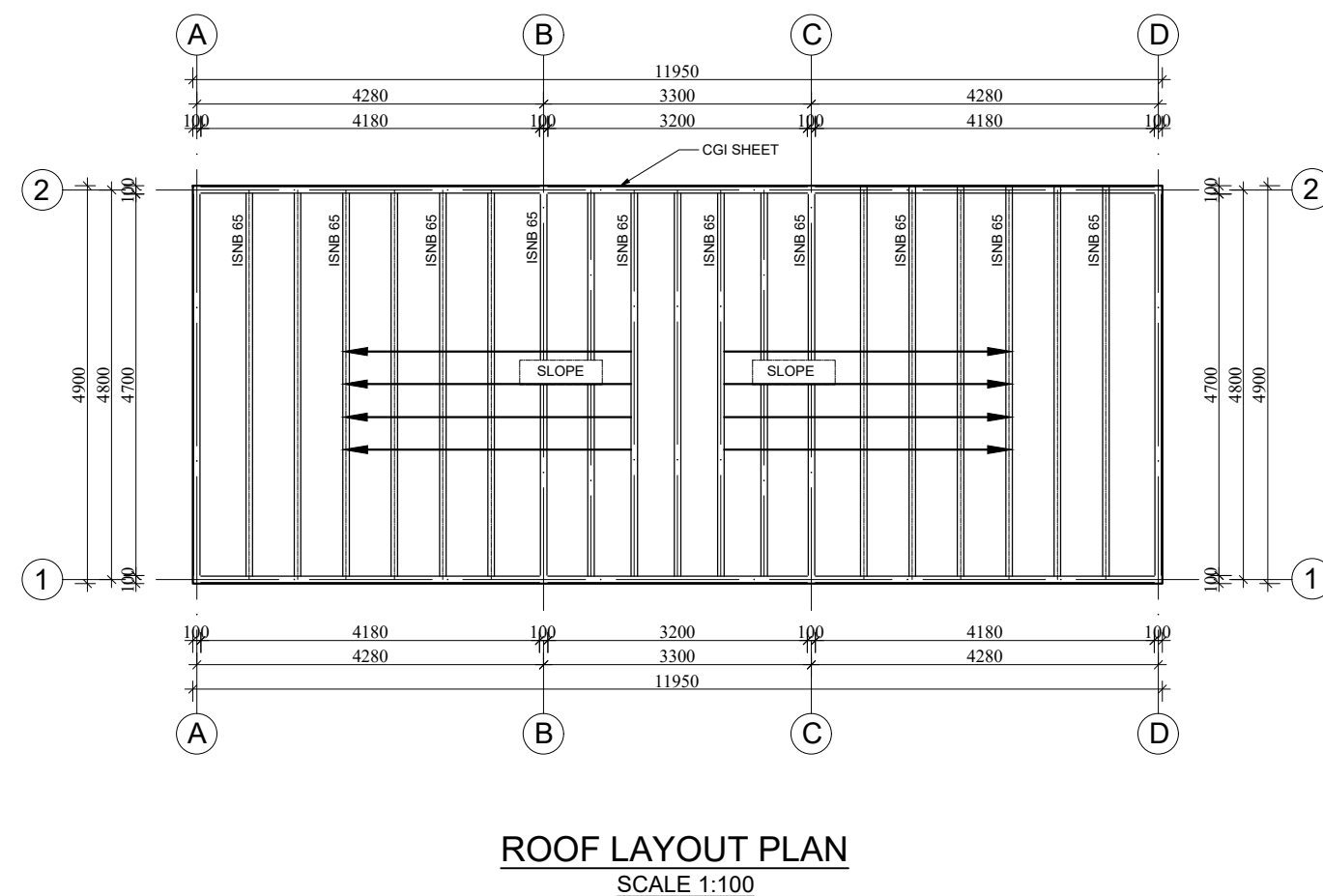
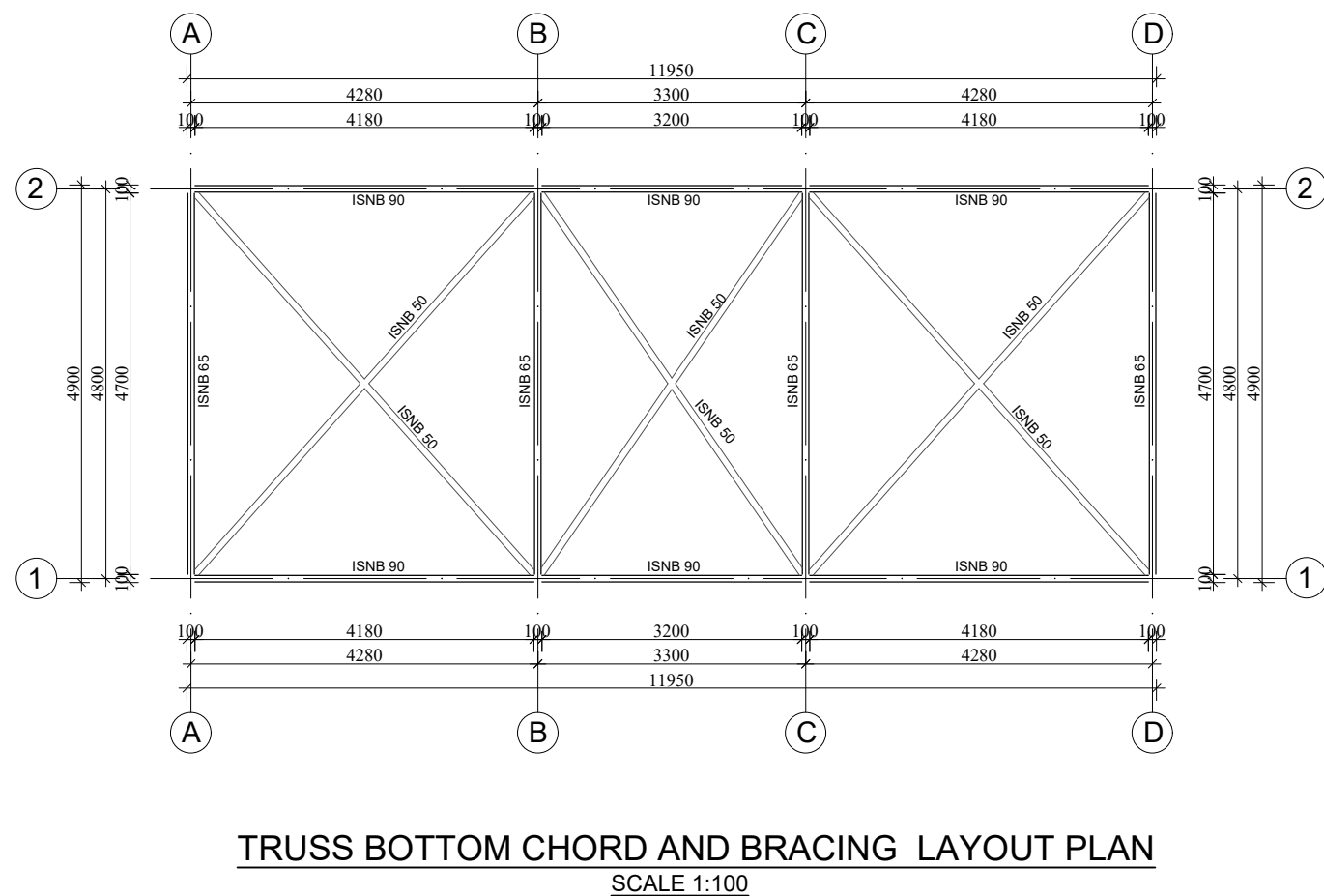
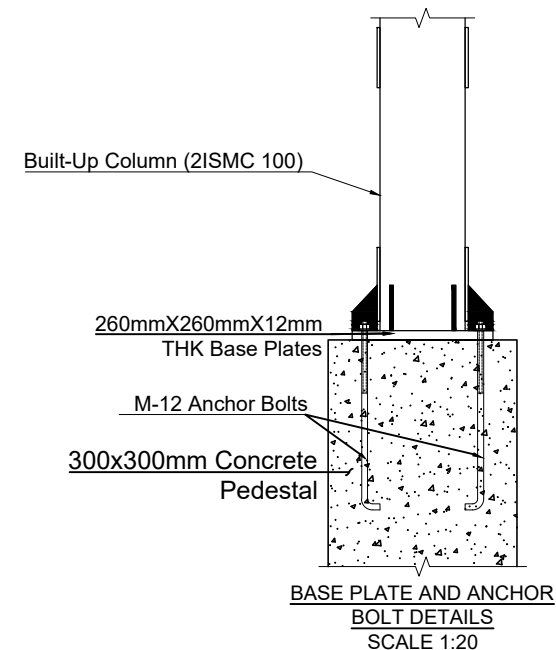
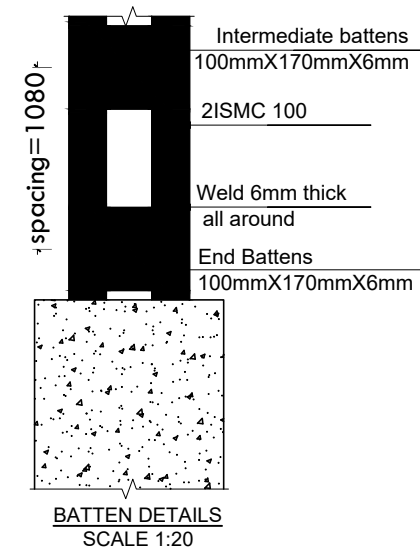
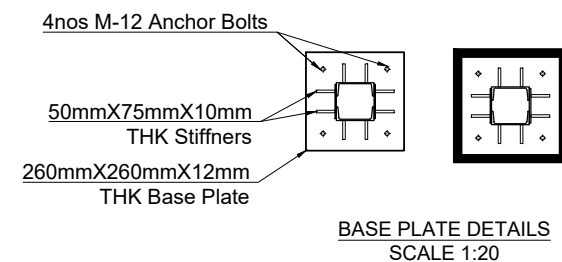
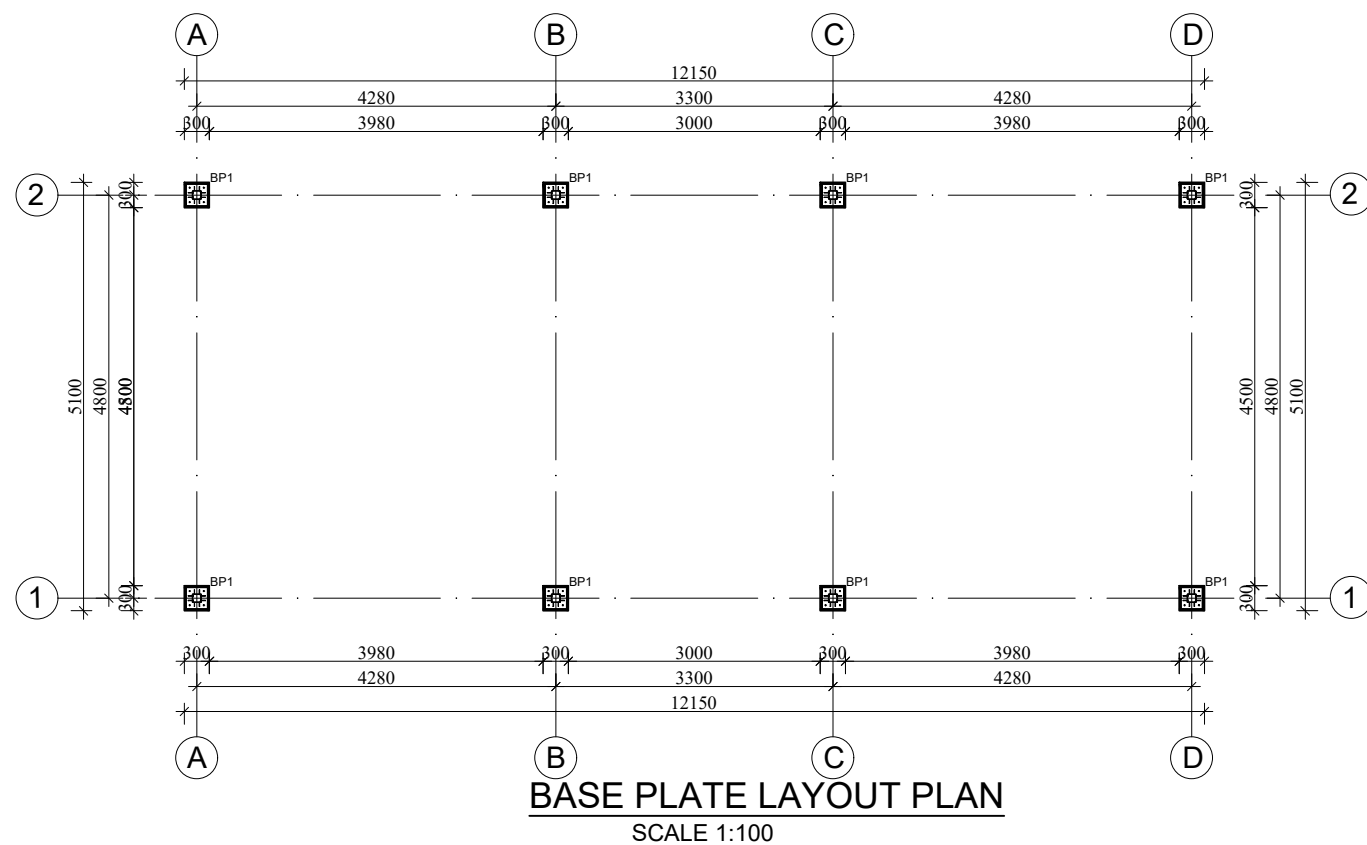
| S.N. | GRID ID.                       | COLUMN ID | BUILDING STOREY, SIZE AND REINFORCEMENT                                             | STIRRUPS REINFORCEMENT          |                         | SHAPE OF STIRRUPS                                                                                                                                                       |
|------|--------------------------------|-----------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                                |           | GROUND FLOOR                                                                        | Special Confining Ties h(0.25H) | Mid Lateral Ties (H-2h) |                                                                                                                                                                         |
| 1.   | A1,A2,B1<br>B2,C1,C2,<br>D1,D2 | C1        |  | Ø8-2Legs @ 4" c/c               | Ø8-2Legs @ 6" c/c       |   |

Bars of larger diameter :- ● Bars of smaller diameter :- ○

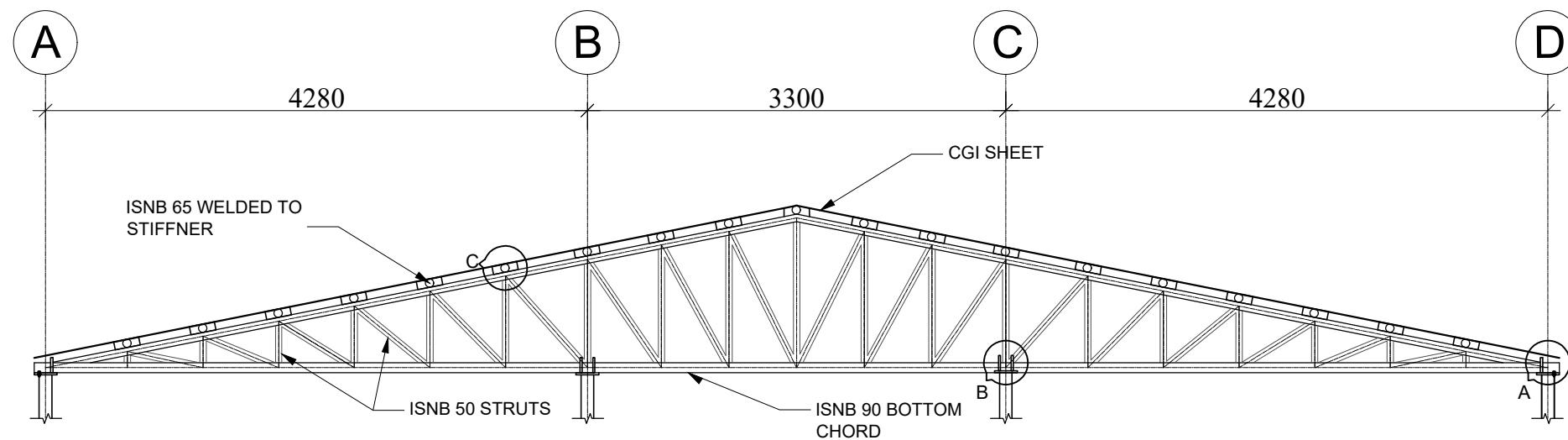
### GENERAL NOTES:

- 1) GRADE OF CONCRETE MIX SHALL BE M20 CONFORMING TO IS456:2000
- 2) REINFORCEMENT SHALL BE HIGH DEFORMED BARS OF GRADE Fe 500 CONFORMING TO IS1786:1985 FOR LONGITUDINAL BARS AND CONFINEMENT BARS
- 3) LAP LENGTH SHALL BE 60 TIMES THE DIAMETER OF BAR

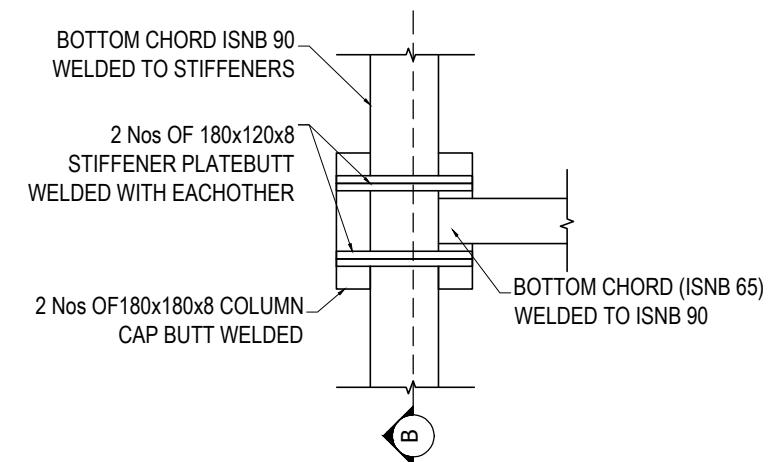




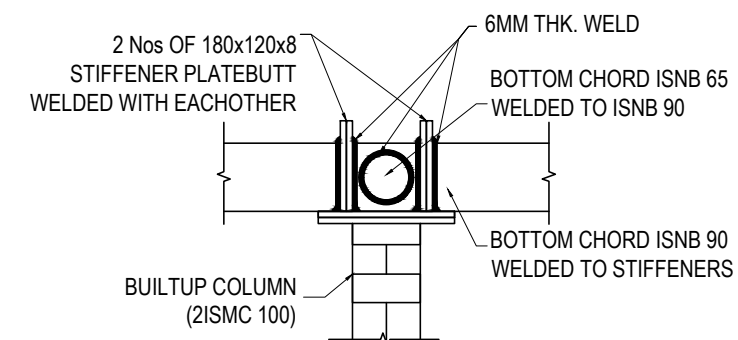
|                                                        |                                                                                                                                                                             |                                                          |                     |                                                                      |                    |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------|----------------------------------------------------------------------|--------------------|
| CLIENT :<br>Ghodaghodi Municipality<br>Sukhad, Kailali | PROJECT TITLE:<br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | SHEET TITLE:<br>Generator Warehouse -Structural Drawings | SCALE: As mentioned | DESIGNED BY :<br>Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | SHEET No.<br>ST-25 |
|                                                        |                                                                                                                                                                             |                                                          | DATE: July, 2024    |                                                                      |                    |



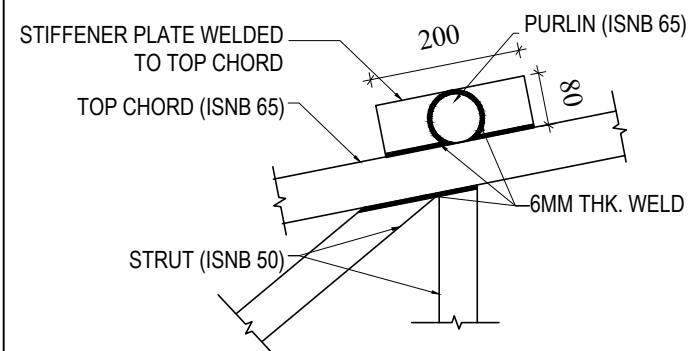
**ELEVATION AT TRUSS LEVEL**  
(Scale= 1:50)



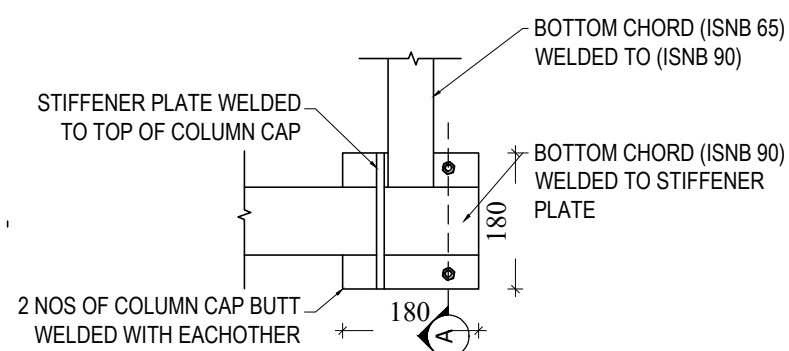
**CONNECTION DETAIL AT B (PLAN VIEW)**  
(Scale= 1:10)



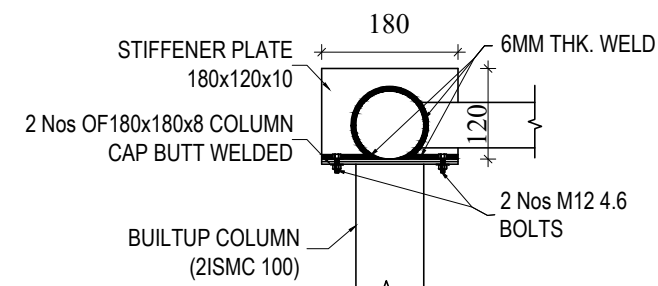
**CONNECTION DETAIL AT B (SECTION B)**  
(Scale= 1:10)



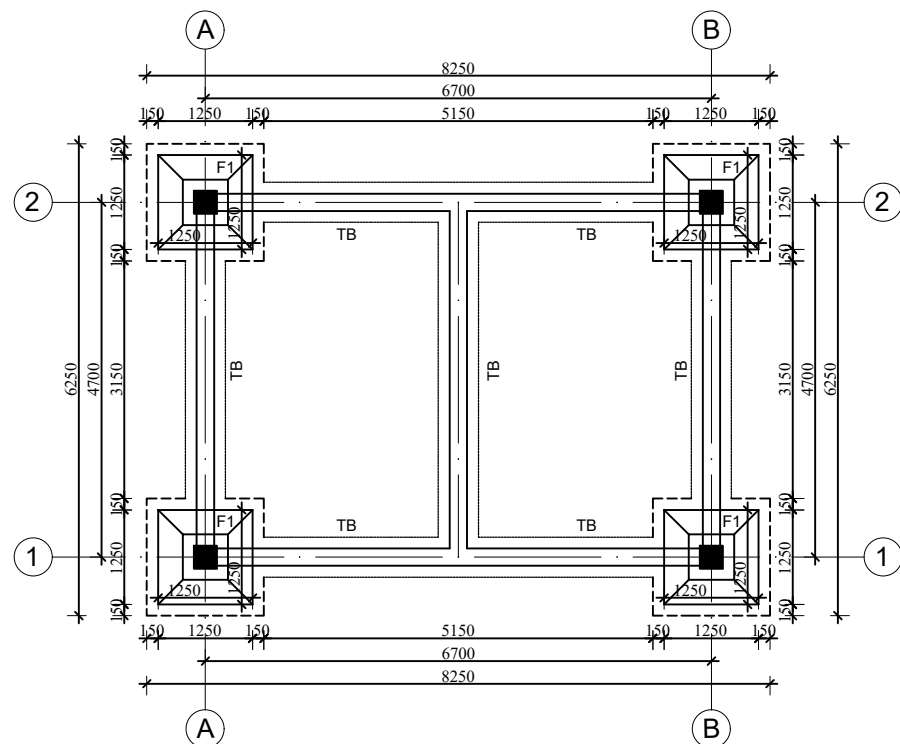
**CONNECTION DETAIL AT C(SIDE VIEW)**  
(Scale= 1:10)



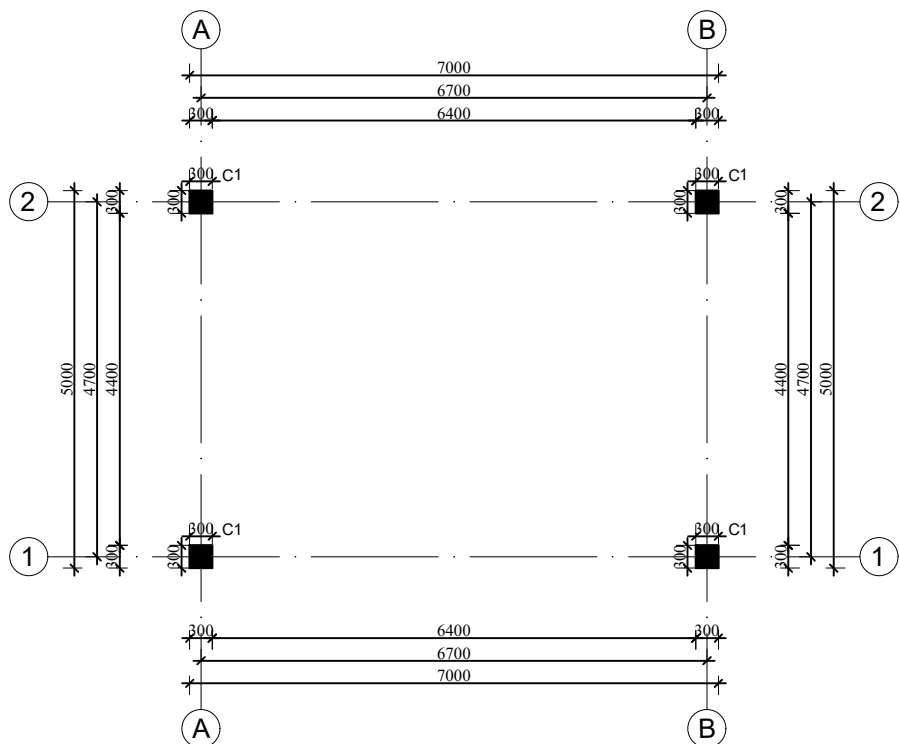
**CONNECTION DETAIL AT A (PLAN VIEW)**  
(Scale= 1:10)



**CONNECTION DETAIL AT A (SECTION A)**  
(Scale= 1:10)



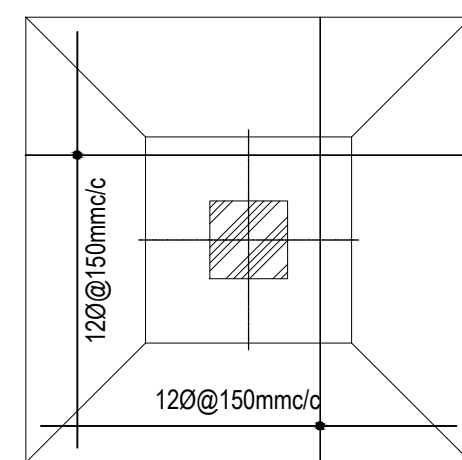
FOUNDATION AND TRENCH PLAN  
SCALE 1:100



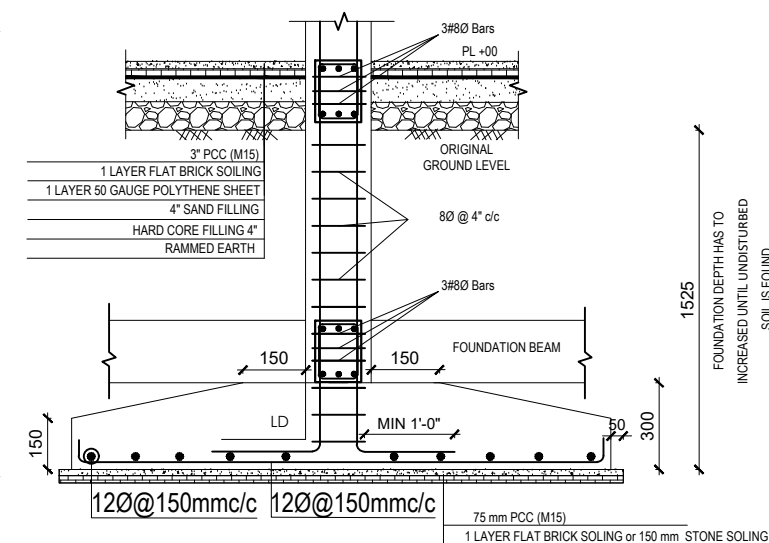
COLUMN PLAN  
SCALE 1:100

## FOOTING SCHEDULE

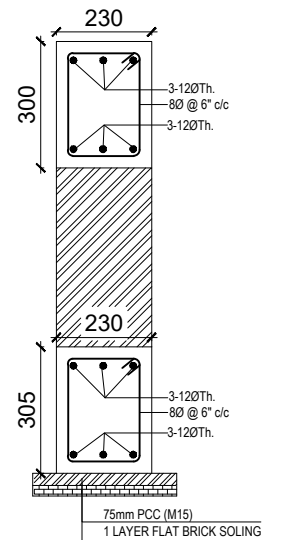
| S.N. | FOOTING TYPE | FOOTING ID | No. | LENGTH      | BREADTH | DEPTH | Longitudinal reinforcement    | Transverse Reinforcement |
|------|--------------|------------|-----|-------------|---------|-------|-------------------------------|--------------------------|
| 1.   | Isolated     | F1         | 1   | 1250        | 1250    | 300   | 12mmØ @ 150mm c/c             | -                        |
| 2    | Tie beam     | TB         | -   | as per dwg. | 230     | 230   | 3-12Ø at top<br>3-12Ø at bot. | 2L-8@150mm c/c           |



ISOLATED FOUNDATION PLAN F2

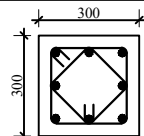


ISOLATED FOUNDATION SECTION  
SCALE 1:90



SECTION AT XX  
SECTION OF FOUNDATION BEAM

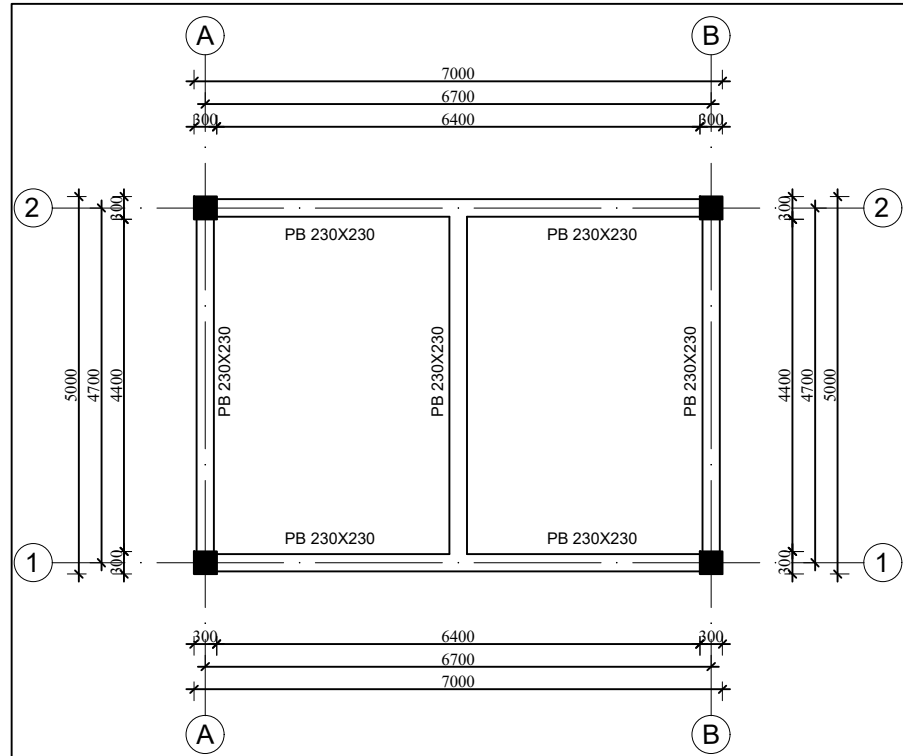
## Column schedule

| S.N. | GRID ID.     | COLUMN ID | BUILDING STOREY, SIZE AND REINFORCEMENT                                                        | STIRRUPS REINFORCEMENT          |                         | SHAPE OF STIRRUPS                                                                                                                                                           |
|------|--------------|-----------|------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |              |           | GROUND FLOOR                                                                                   | Special Confining Ties h(0.25H) | Mid Lateral Ties (H-2h) |                                                                                                                                                                             |
| 1.   | A1,B1, A2,B2 | C1        | <br>8-12Ø | Ø8-2Legs @ 4" c/c               | Ø8-2Legs @ 6" c/c       |   |

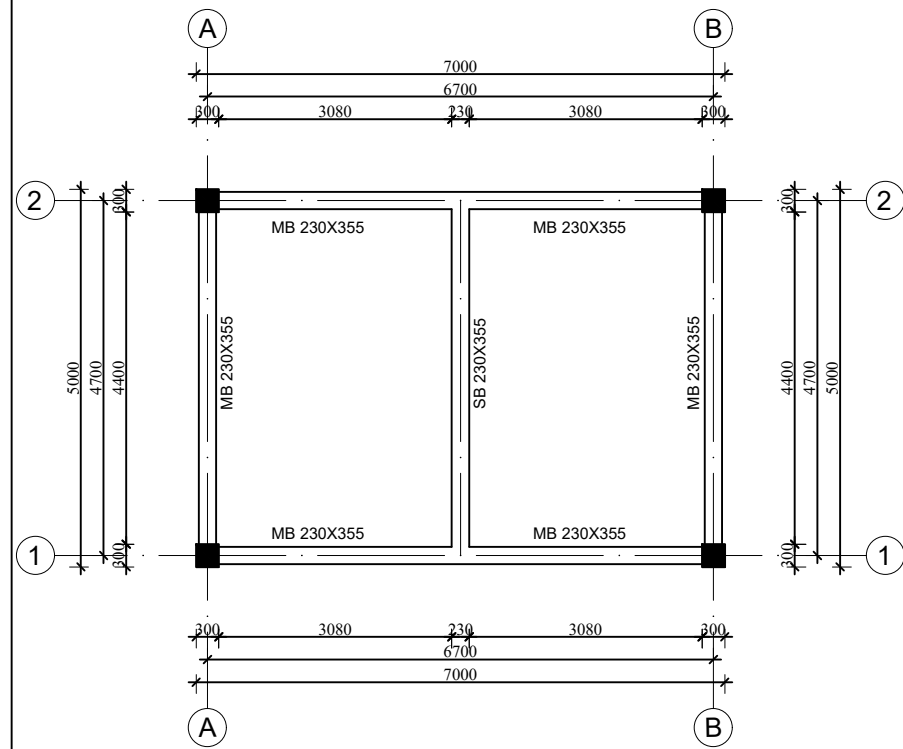
Bars of larger diameter :- ● Bars of smaller diameter :- ○

### GENERAL NOTES:

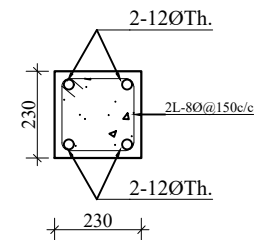
- GRADE OF CONCRETE MIX SHALL BE M20 CONFORMING TO IS456:2000
- REINFORCEMENT SHALL BE HIGH DEFORMED BARS OF GRADE Fe 500 CONFORMING TO IS1786:1985 FOR LONGITUDINAL BARS AND CONFINEMENT BARS
- LAP LENGTH SHALL BE 60 TIMES THE DIAMETER OF BAR



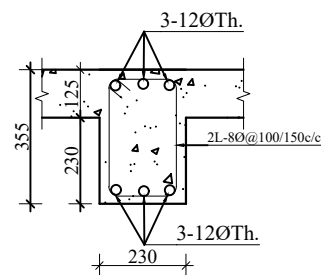
**PLINTH BEAM LAYOUT PLAN**  
SCALE 1:100



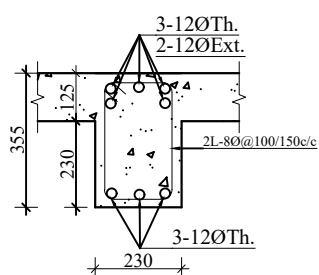
**ROOF BEAM LAYOUT PLAN**  
SCALE 1:100



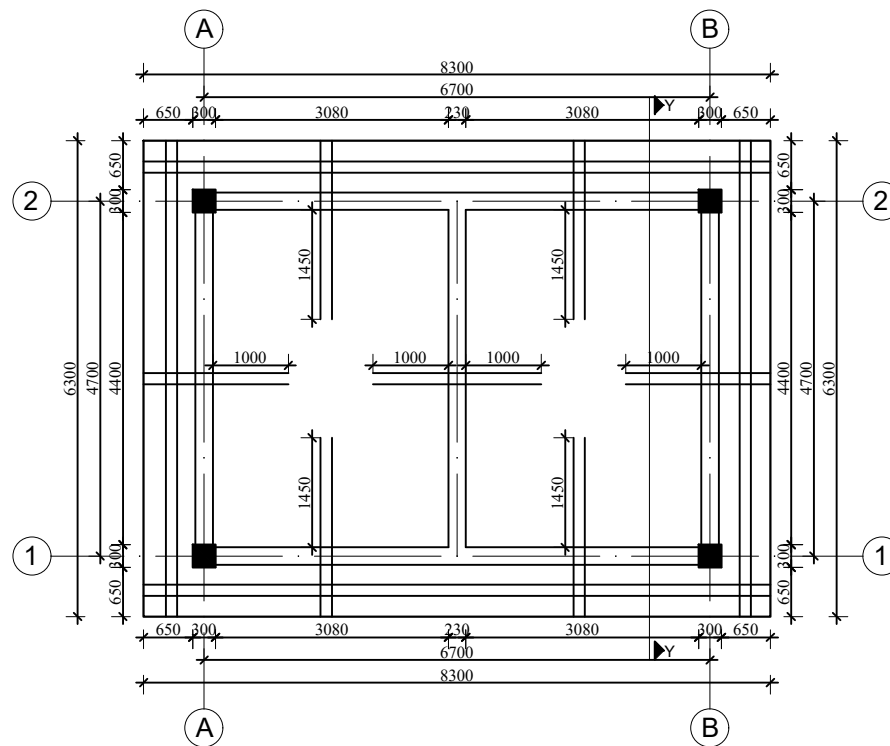
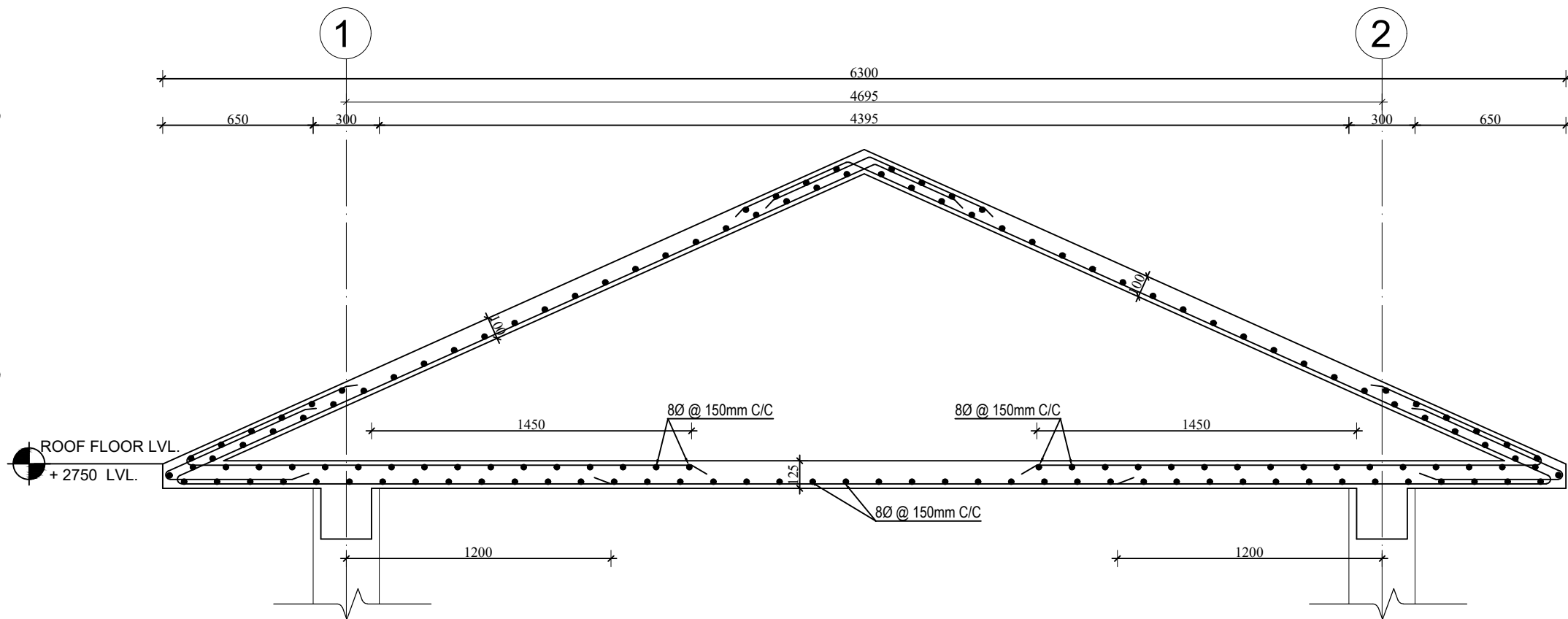
**SECTION FOR PB**  
SCALE - 1:20



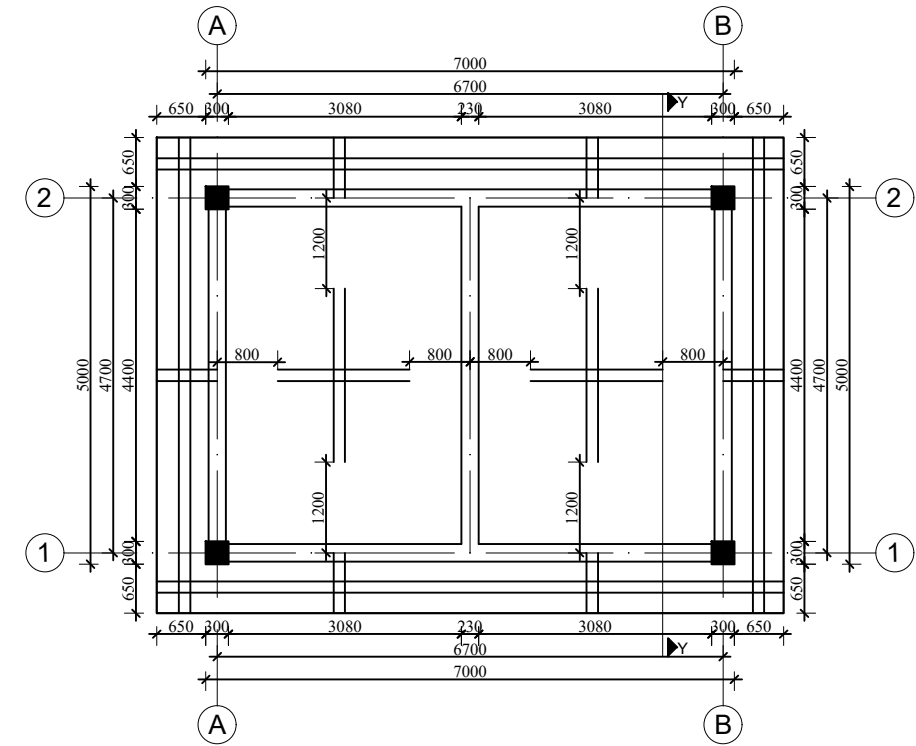
**SECTION FOR SB**  
SCALE - 1:20



**SECTION FOR MB**  
SCALE - 1:20



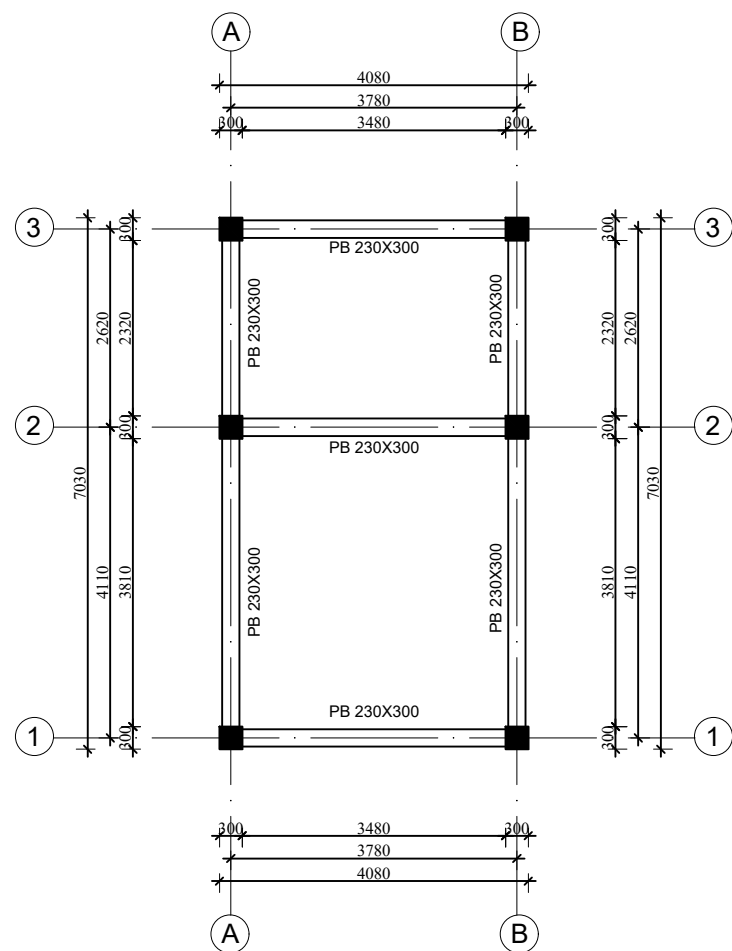
**ROOF FLOOR SLAB REINFORCEMENT PLAN**  
**TOP REINFORCEMENT AND DISTRIBUTION BAR:**  
**8Ø@150mm c/c**  
SCALE 1:100



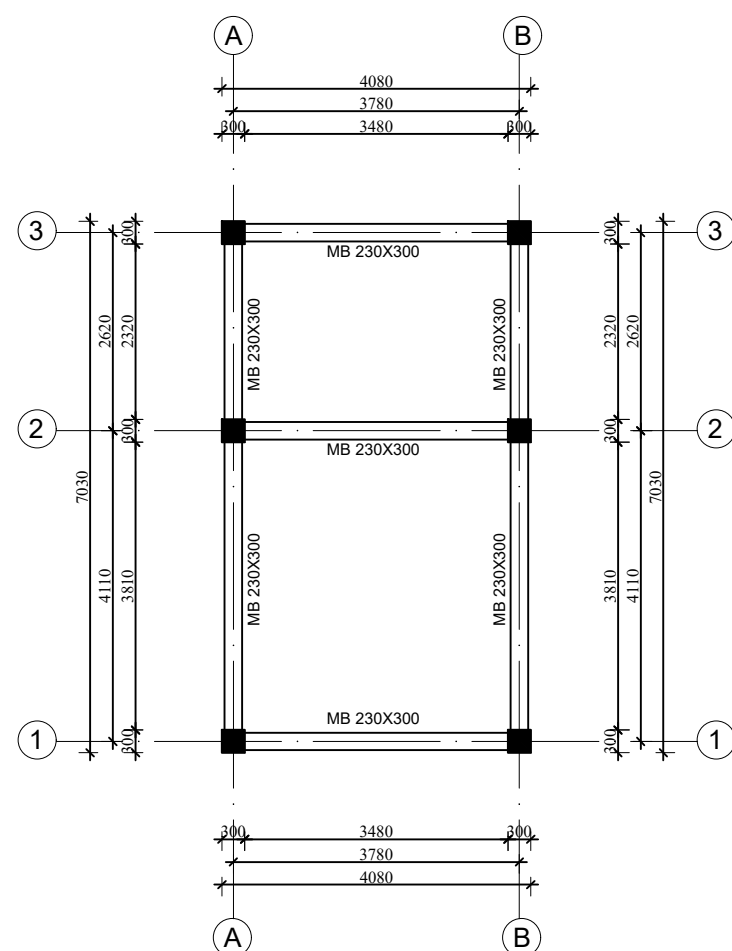
**ROOF FLOOR SLAB REINFORCEMENT PLAN**  
**BOT. REINFORCEMENT AND DISTRIBUTION BAR:**  
**8Ø@150mm c/c**  
SCALE 1:100

|                                                               |                                                                                                                                                                                    |                                                            |                                                      |                                                                                                                                                                   |                           |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>CLIENT :</b><br>Ghodaghodi Municipality<br>Sukhad, Kailali | <b>PROJECT TITLE:</b><br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | <b>SHEET TITLE:</b><br>Ticket Counter -Structural Drawings | <b>SCALE:</b> As mentioned<br><b>DATE:</b> JULY 2024 | <b>DESIGNED BY :</b><br> Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | <b>SHEET No.</b><br>SR-28 |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|

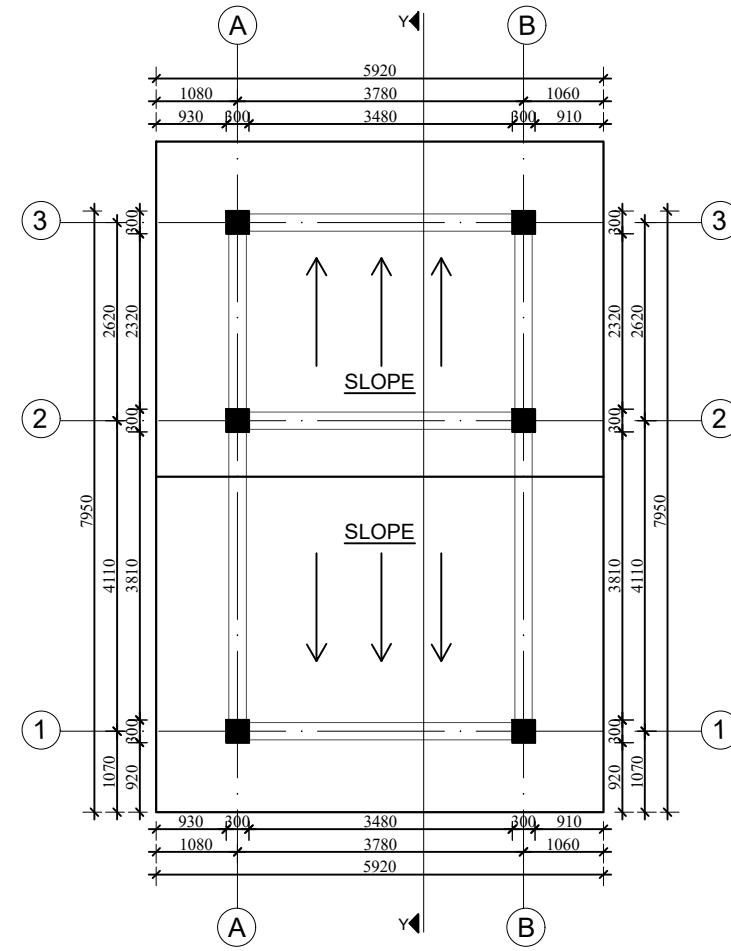




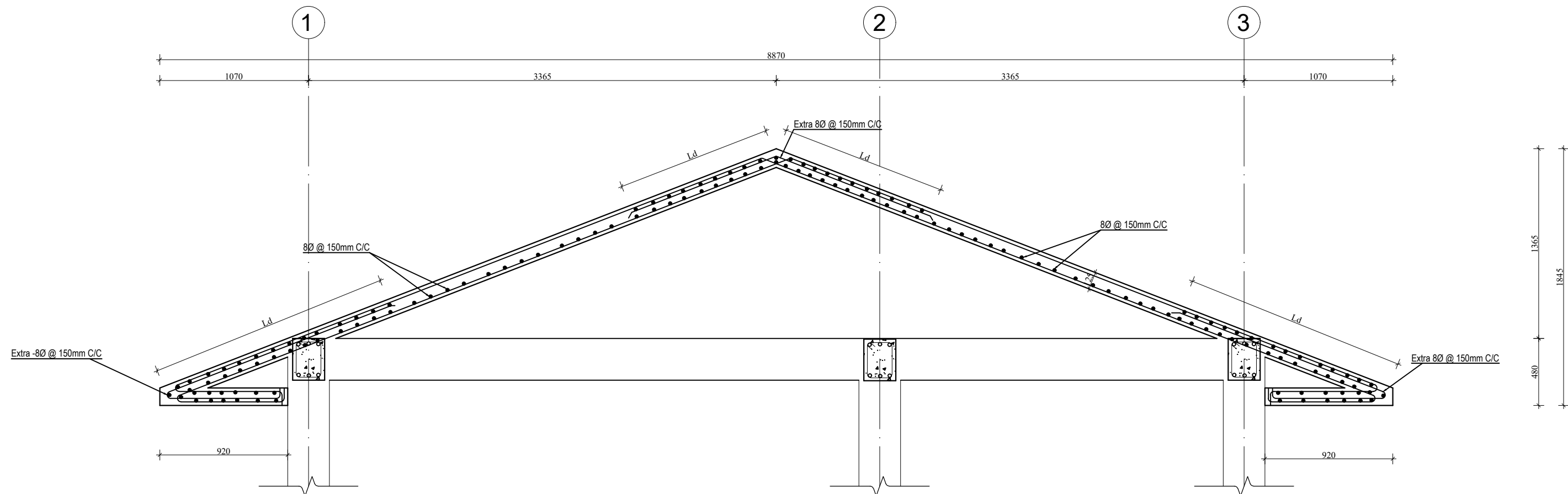
PLINTH BEAM LAYOUT PLAN  
SCALE 1:100



ROOF BEAM LAYOUT PLAN  
SCALE 1:100



ROOF FLOOR SLAB LAYOUT PLAN  
SCALE 1:100



SLAB-SECTION ALONG Y-Y  
SCALE - 1:20

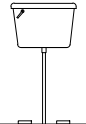
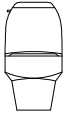
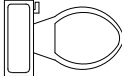
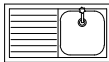
|                                                               |                                                                                                                                                                                    |                                                           |                                                       |                                                                                                                                                                   |                           |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>CLIENT :</b><br>Ghodaghodi Municipality<br>Sukhad, Kailali | <b>PROJECT TITLE:</b><br>Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality | <b>SHEET TITLE:</b><br>Public Toilet -Structural Drawings | <b>SCALE:</b> As mentioned<br><b>DATE:</b> June, 2024 | <b>DESIGNED BY :</b><br> Krithya Studio Pvt. Ltd.<br>Tripureshwor, Kathmandu | <b>SHEET No.</b><br>ST-30 |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|

# **SANITARY DRAWINGS**

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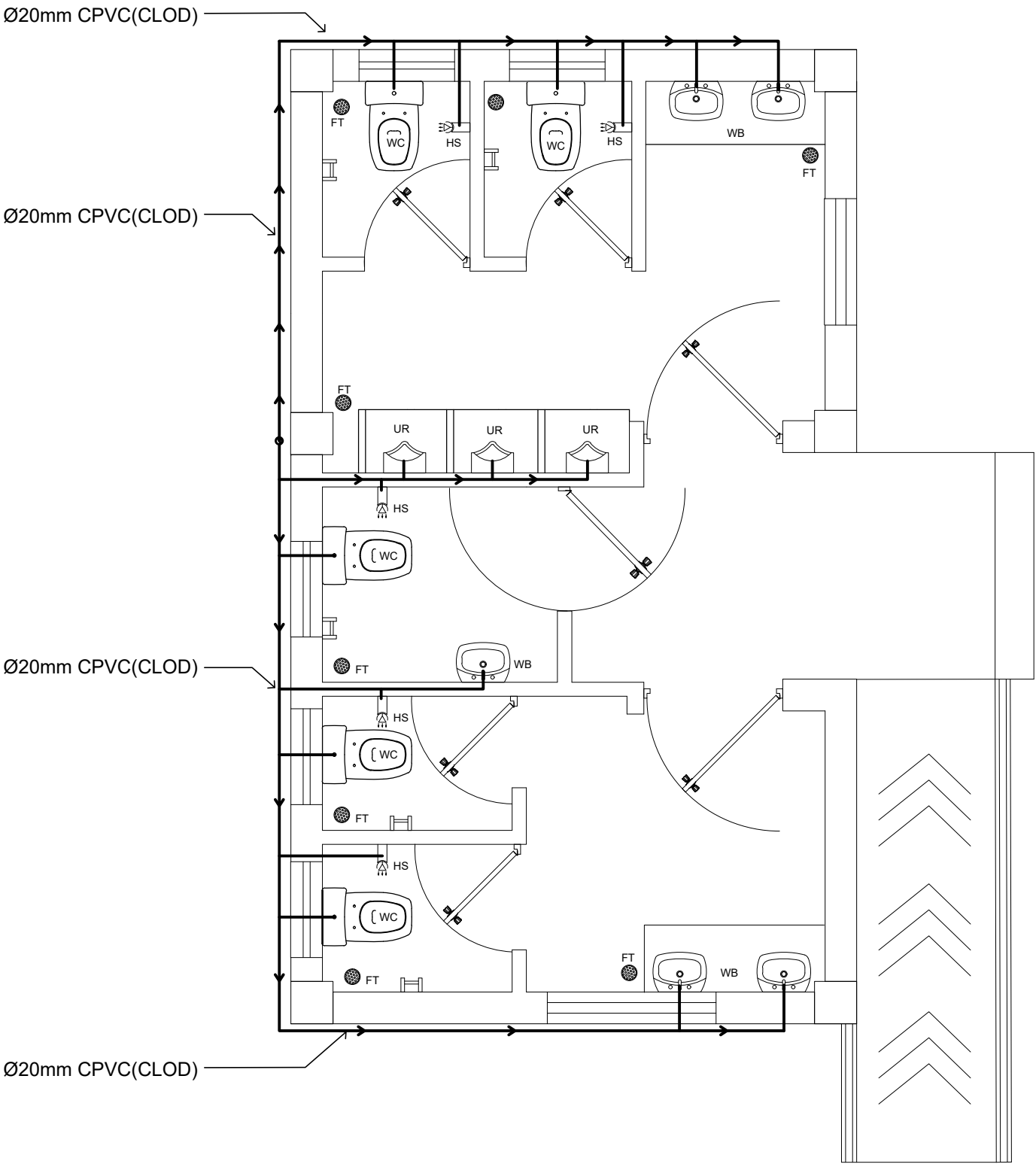


LEGENDS AND SYMBOLS FOR SANITARY DRAWINGS

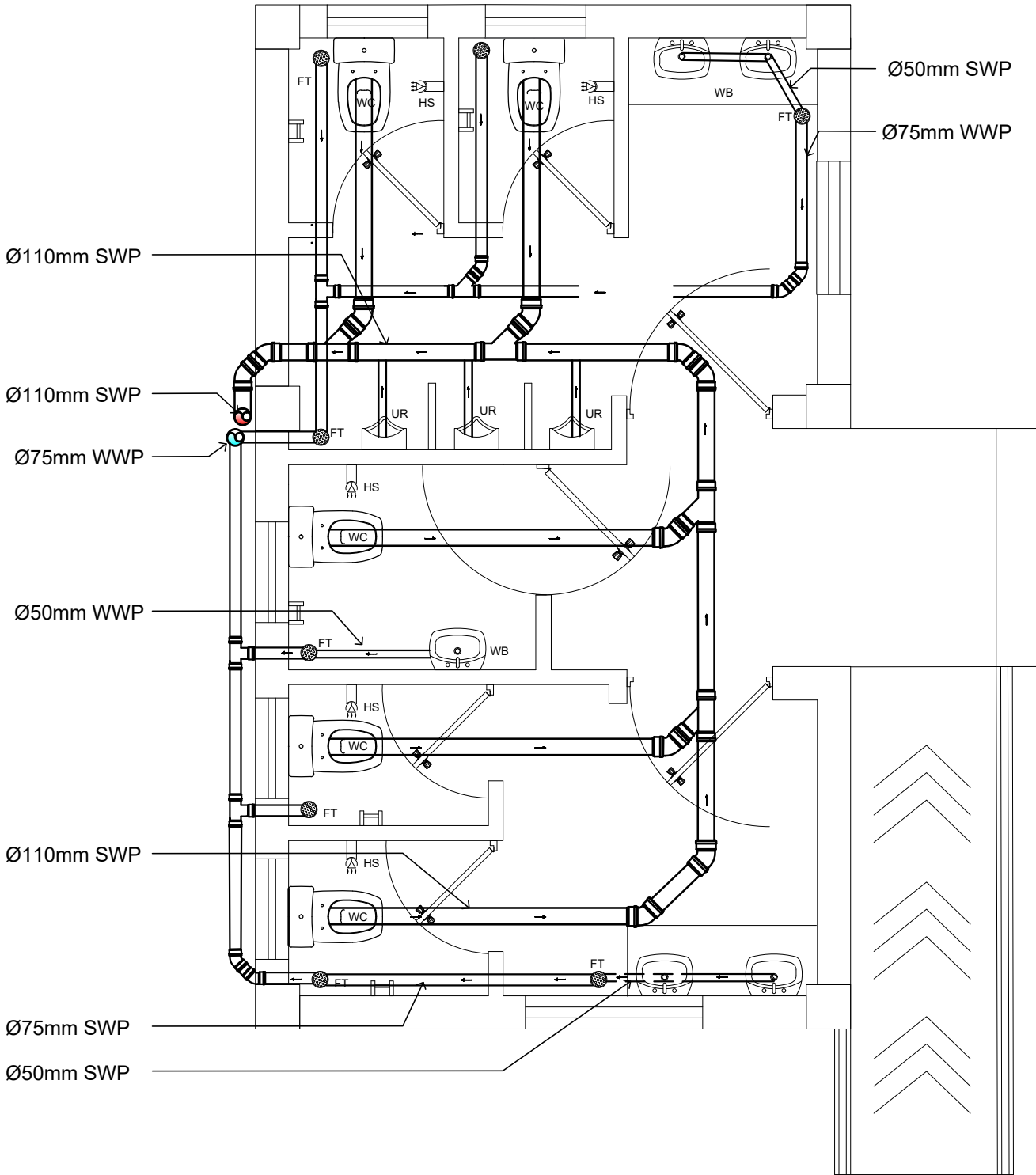
| SN. | SECTIONS                                                                            | PLANS                                                                               | SYMBOL | DESCRIPTION                                                |
|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|------------------------------------------------------------|
| 1.  |                                                                                     |    | CW     | COLD WATER PIPE, CPVC, SIZE IN MM                          |
| 2.  |                                                                                     |    | HW     | HOT WATER PIPE, CPVC, SIZE IN MM                           |
| 3.  |                                                                                     |    | SW     | RCC HUME PIPE (NP2) SOLID WASTE PIPE, SIZE IN MM           |
| 4.  |                                                                                     |    | WW     | RCC HUME PIPE (NP2) WASTE WATER PIPE, SIZE IN MM           |
| 5.  |                                                                                     |    | RW     | UPVC RAIN WATER PIPE, SIZE IN MM                           |
| 5.  |                                                                                     |    |        | RCC HUME PIPE (NP3) PIPE SIZE IN MM                        |
| 6.  |                                                                                     |    | GP     | GEYSER POINT                                               |
| 7.  |                                                                                     |                                                                                     | CP     | COMMODE POINT                                              |
| 8.  |                                                                                     |                                                                                     | SM     | SOIL MANHOLE                                               |
| 9.  |                                                                                     |                                                                                     | WM     | WASTE MANHOLE                                              |
| 10. |    |    | PAN    | PAN WITH CISTERN                                           |
| 11. |   |   | WC     | EUROPEAN WATER CLOSET WITH CISTERN INLET AND COMMODO SWRAY |
| 12. |  |  | WB     | UNDER-COUNTER WASH BASIN                                   |
| 13. |  |  | WB     | WALL-HUNG WASH BASIN                                       |
| 14. |  |                                                                                     | UR     | URINAL                                                     |
| 15. |  |  | SN     | STAINLESS STEEL KITCHEN SINK, SINGLE BOWL                  |
| 16. |  |  | FT     | FLOOR TRAP                                                 |
| 17. |                                                                                     |  | PH     | PAPER HOLDER                                               |
| 18. |                                                                                     |  | HS     | HAND SPRAY                                                 |
| 19. |                                                                                     |  | SH     | SHOWER                                                     |
| 20. |                                                                                     |  |        | GUN-METAL BALL VALVE                                       |
| 21. |                                                                                     |  | FE     | ABC TYPE 5 KG FIRE EXTINGUISHER                            |
| 22. |  |  |        | CROSS OVER WW / SW PIPELINE                                |
| 23. |                                                                                     |  | GT     | GREASE TRAP                                                |

NOTE:

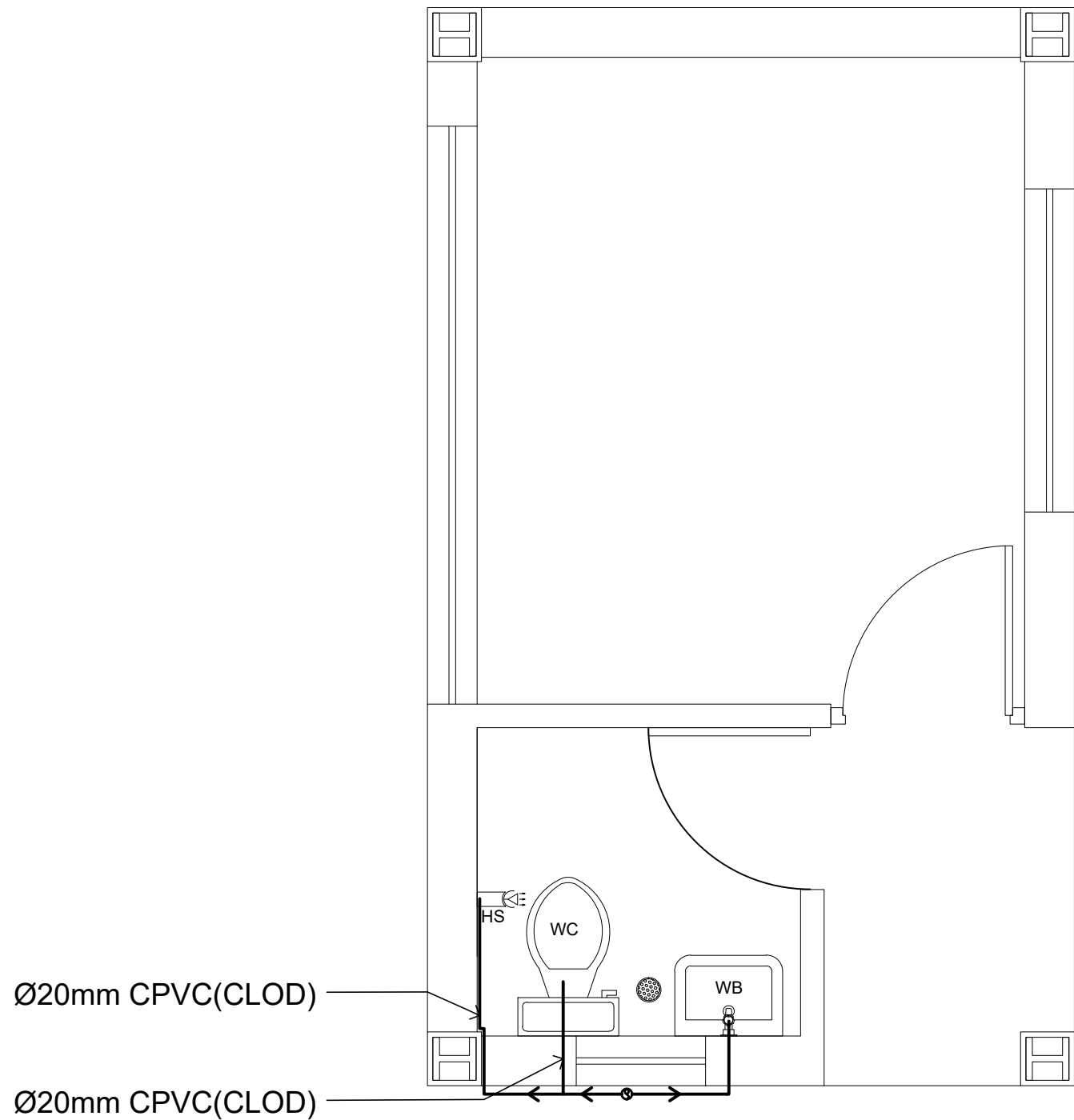
- 1. ALL WATER SUPPLY PIPES : PEX-AL-PEX PIPES
- 2. ALL SOIL, WASTE & RAIN (SWR) PIPES: UPVC
- 3. AVOID 90° BENDS ON SWR PIPES AND USE 2 NOS 45° BENDS



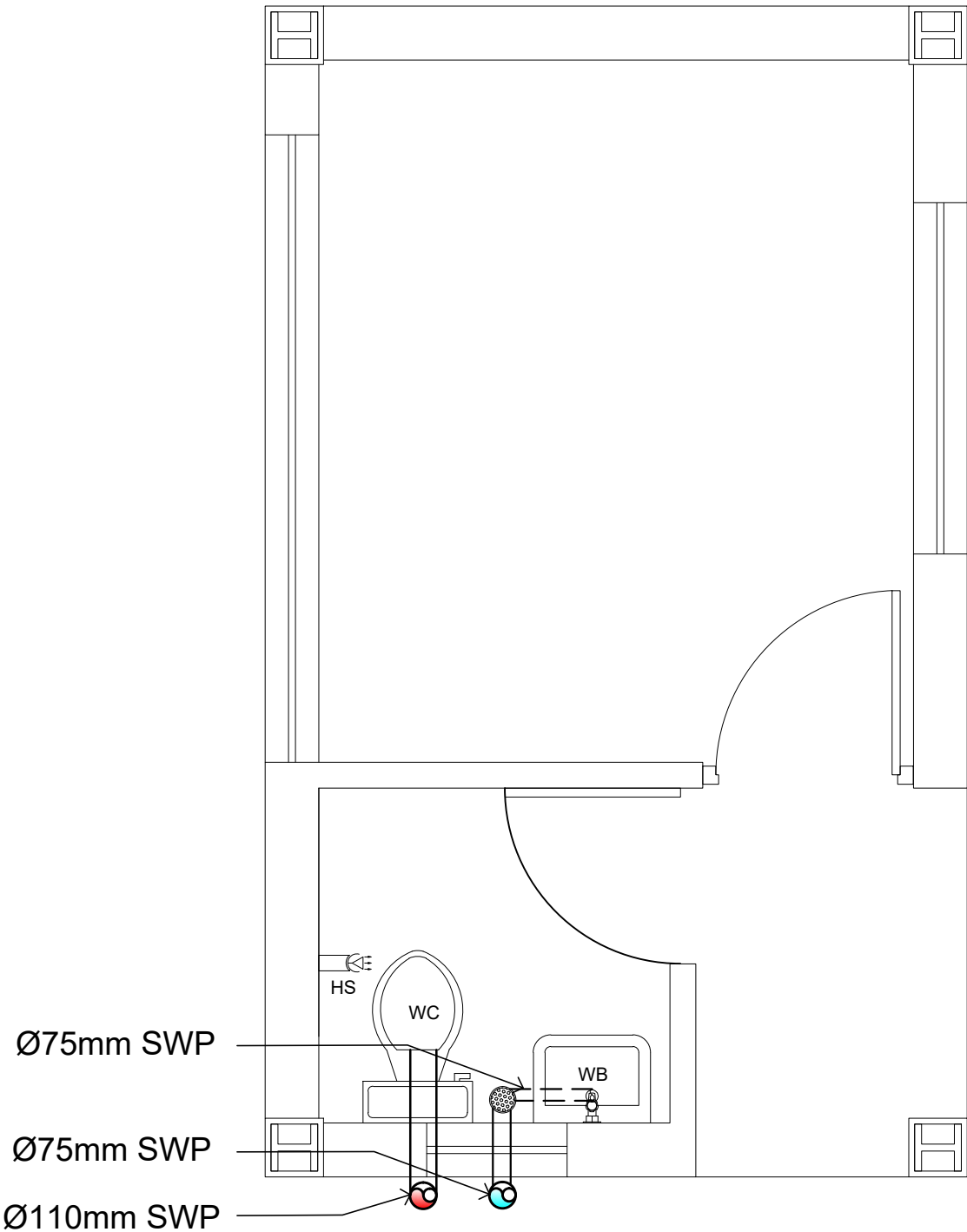
**PUBLIC TOILET: WATER SUPPLY LAYOUT**



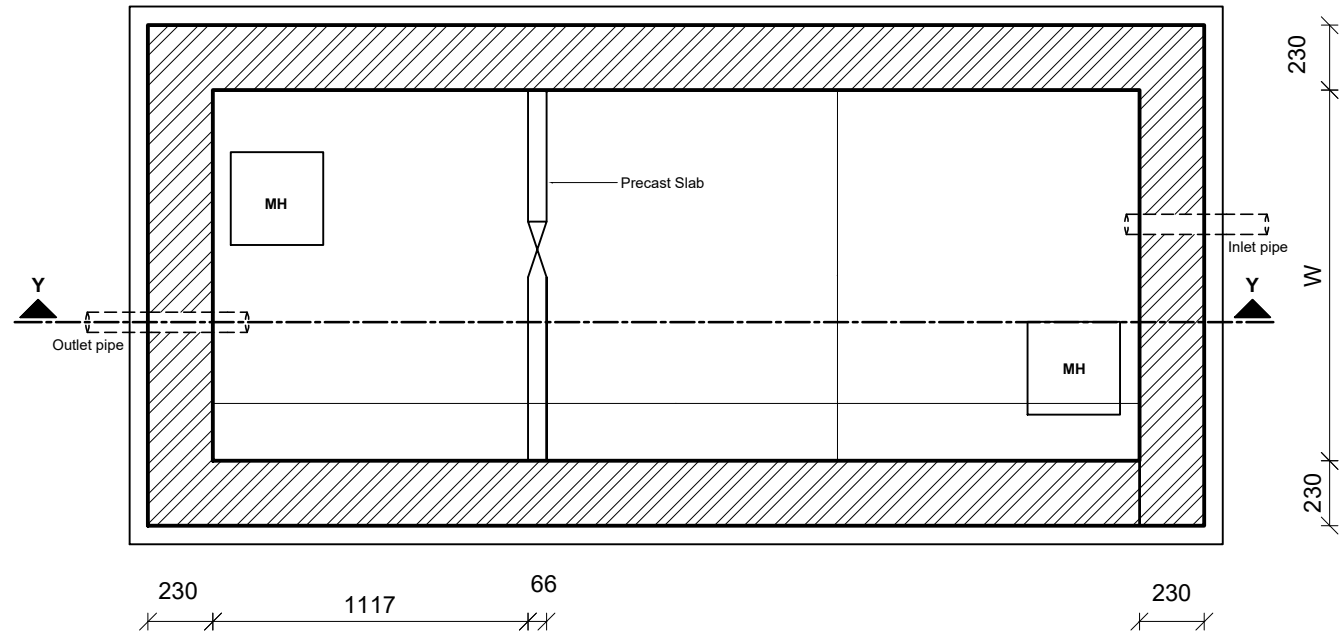
**PUBLIC TOILET: SANITARY LAYOUT**



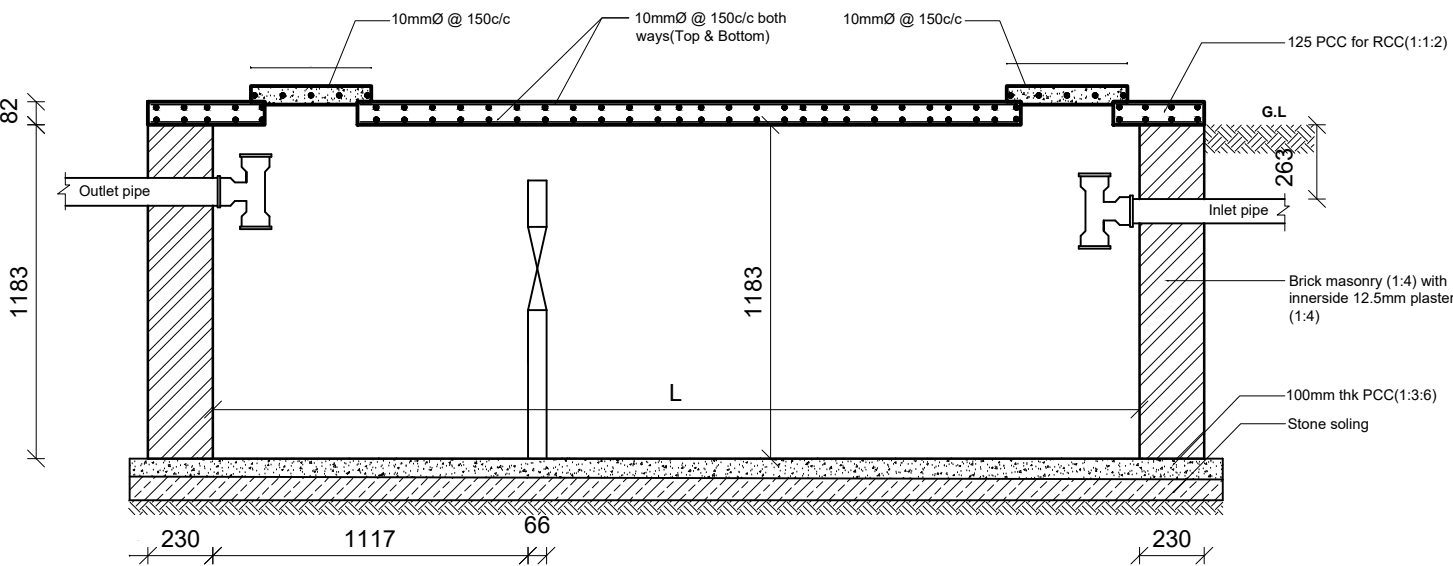
**GUARD HOUSE: WATER SUPPLY LAYOUT**



**GUARD HOUSE: SANITARY LAYOUT**

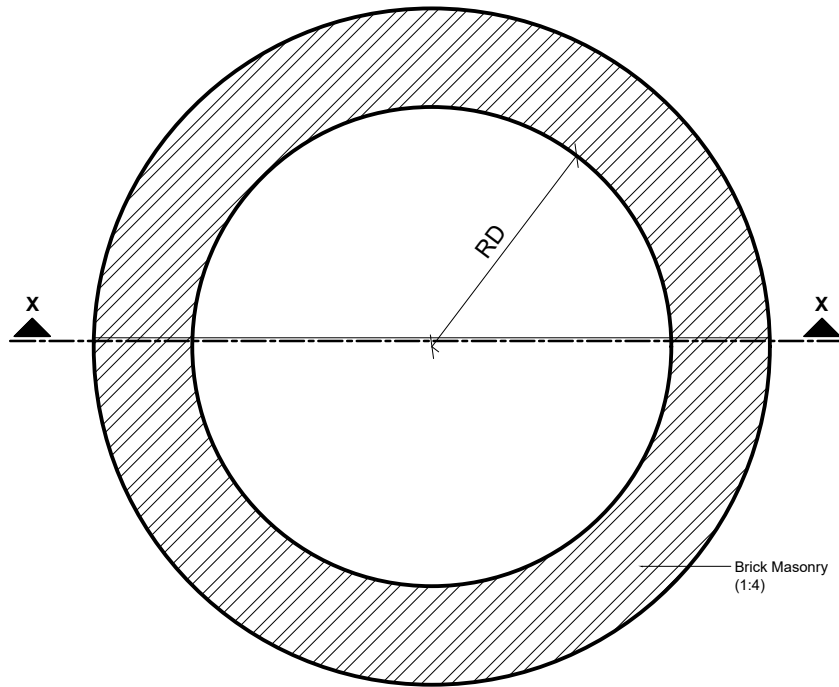


PLAN OF SEPTIC TANK

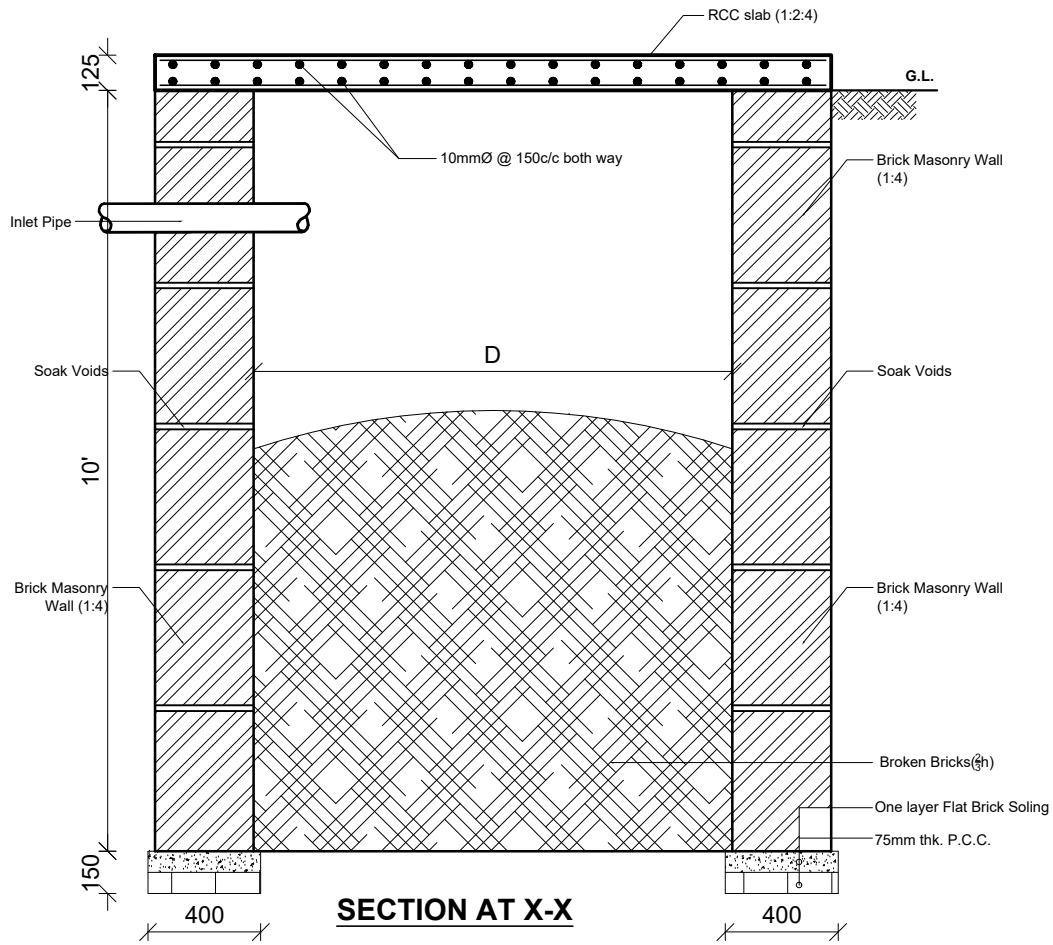


SECTION AT Y-Y

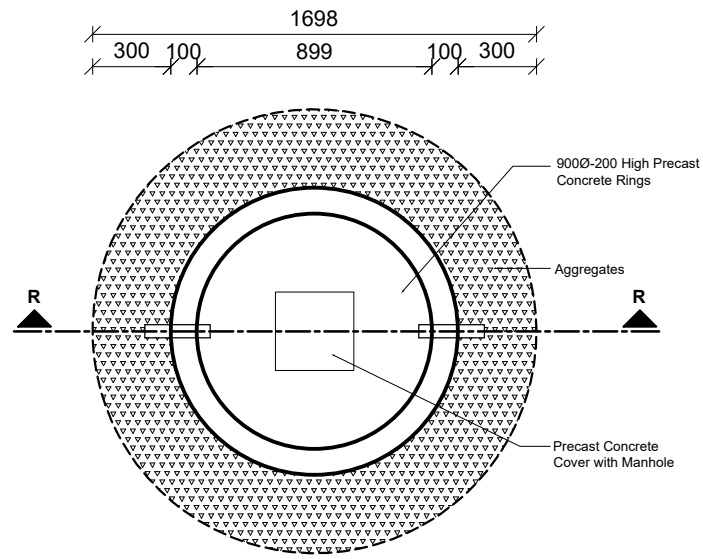
| SEPTIC TANK |            |            |
|-------------|------------|------------|
| LENGTH (L)  | WIDTH (W)  | HEIGHT (H) |
| 29'-6"      | 11'-6"     | 6'         |
| SOAK PIT    |            |            |
| DIAMETER(D) | HEIGHT (H) |            |
| 10'         | 10'        |            |



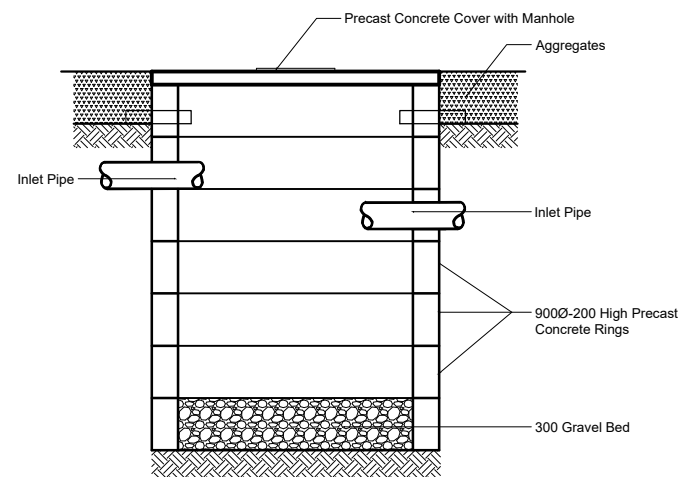
PLAN OF SOAK PIT



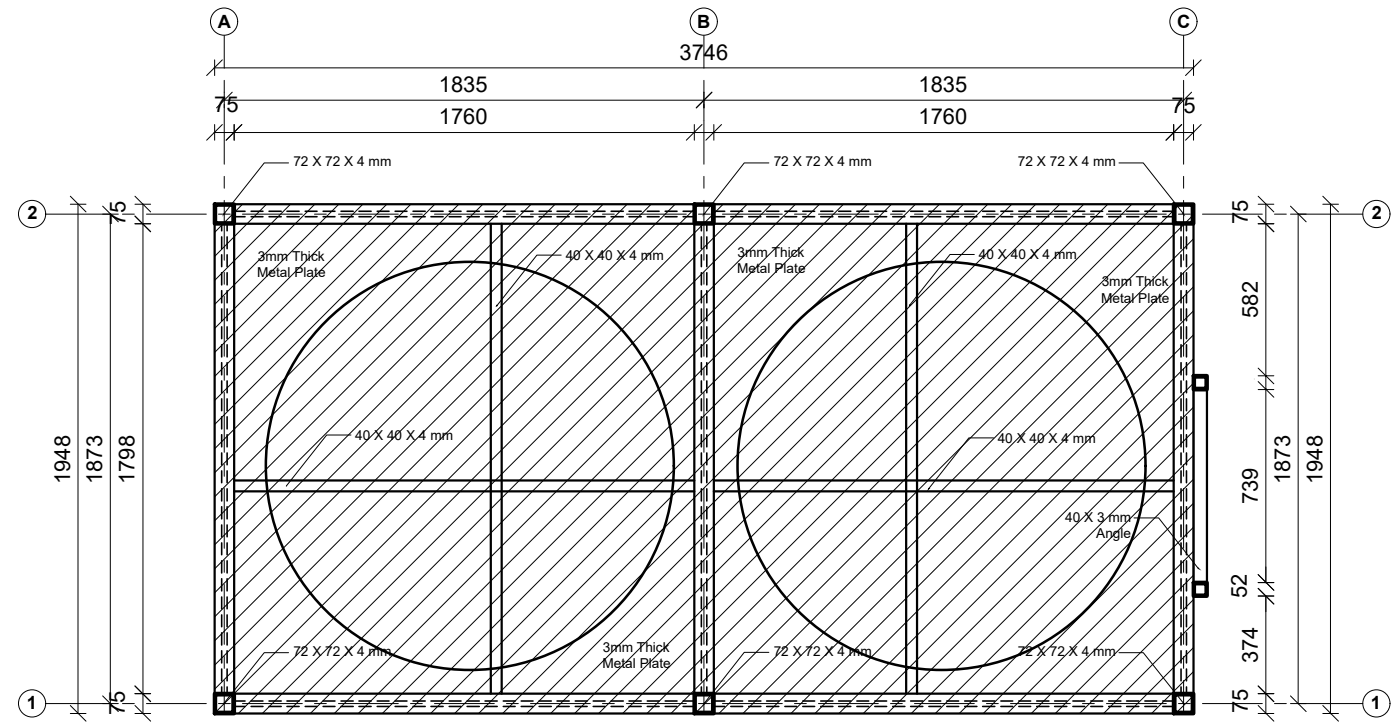
SECTION AT X-X



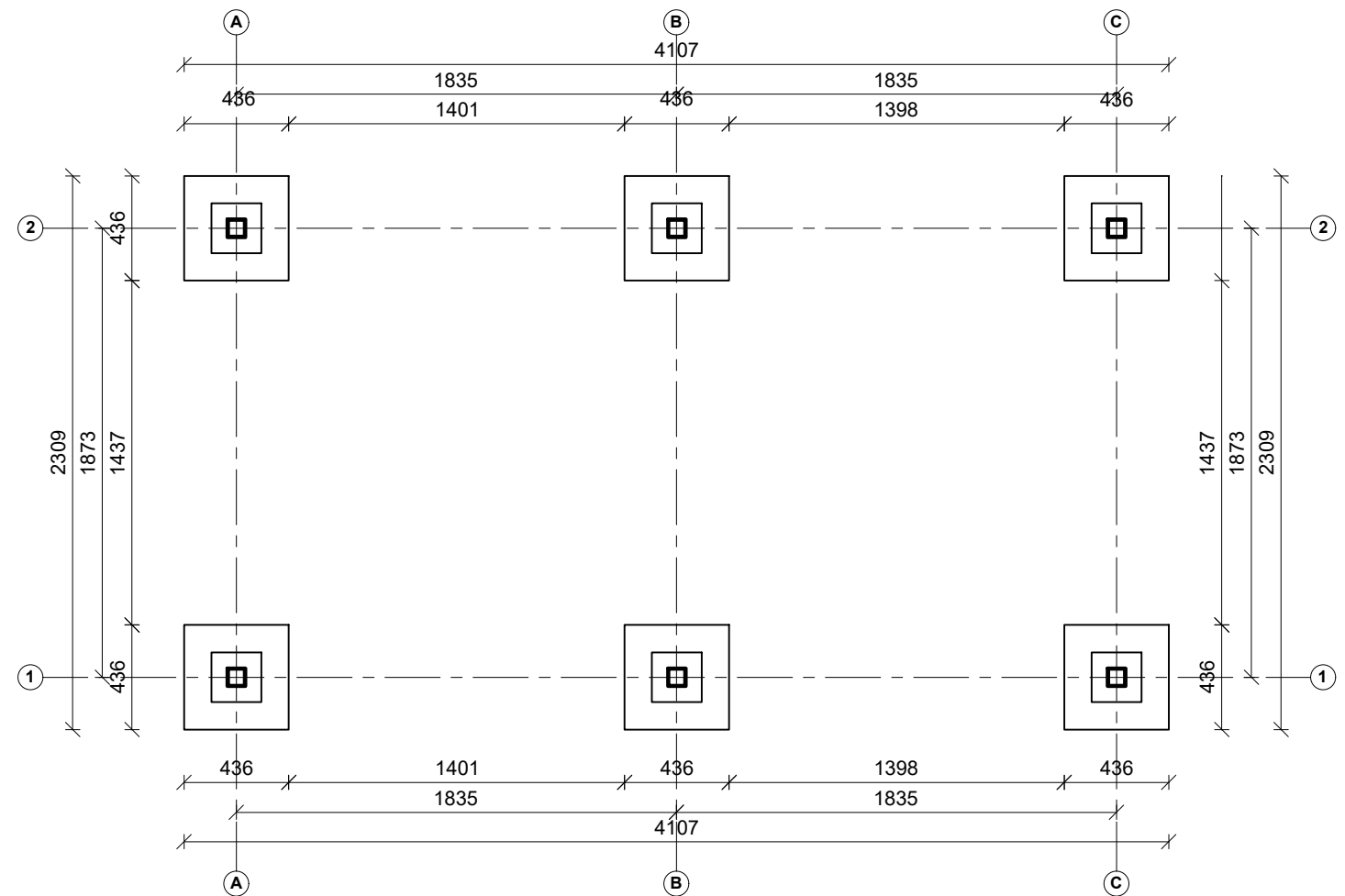
**PLAN OF RAIN WATER RECHARGE WELL/ PIT**



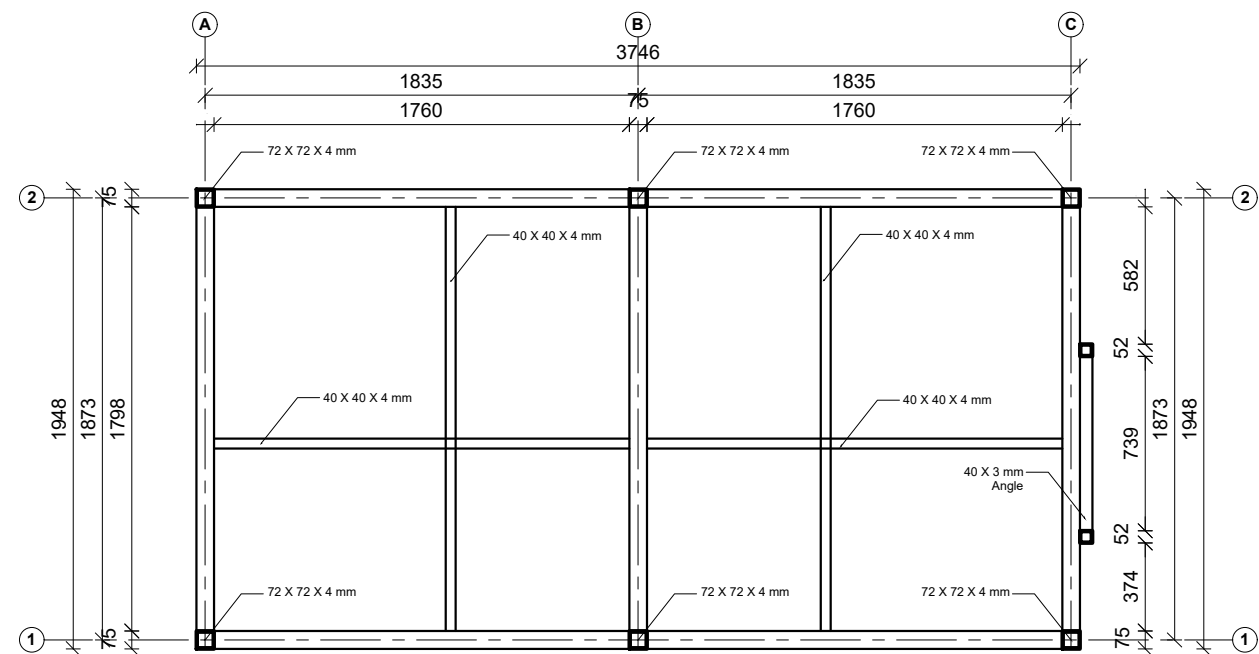
**SECTION AT R-R**



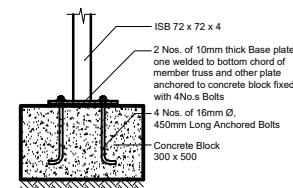
**PLAN OF METAL FRAME OF WATER TANK**



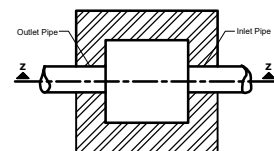
**TRENCH PLAN OF WATER TANK**



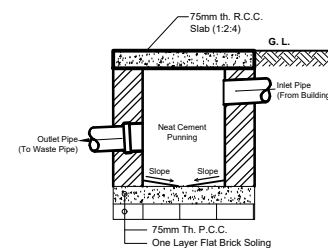
**PLAN OF METAL FRAME**



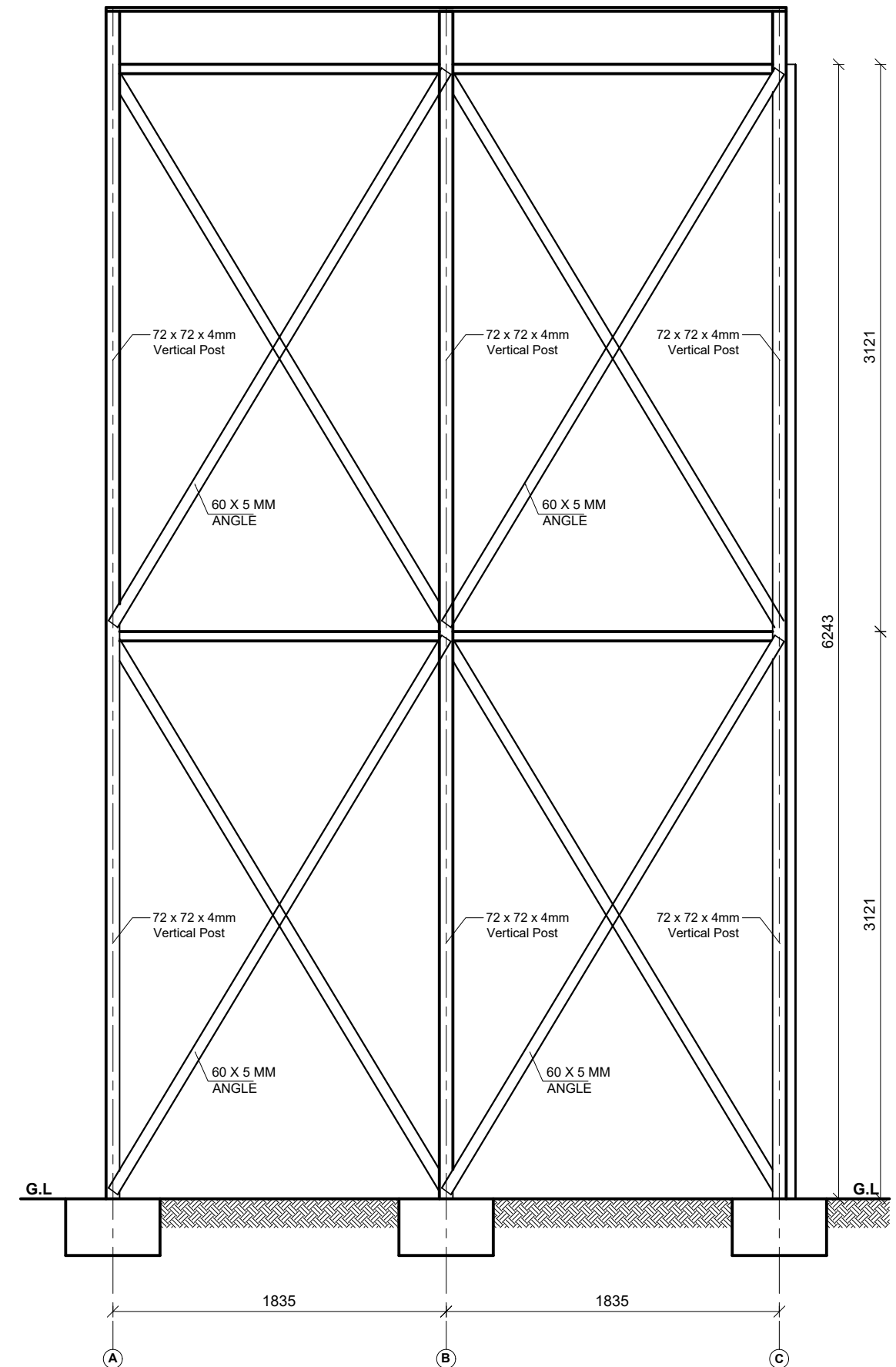
**FOUNDATION DETAIL**



**TYPICAL PLAN OF MANHOLE**  
(Scale 3/4"=1')



**SECTION AT Z-Z**  
(Scale 3/4"=1')

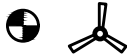


**METAL FRAME ELEVATION**

# **ELECTRICAL DRAWINGS**

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## LEGENDS AND SYMBOLS FOR SANITARY DRAWINGS

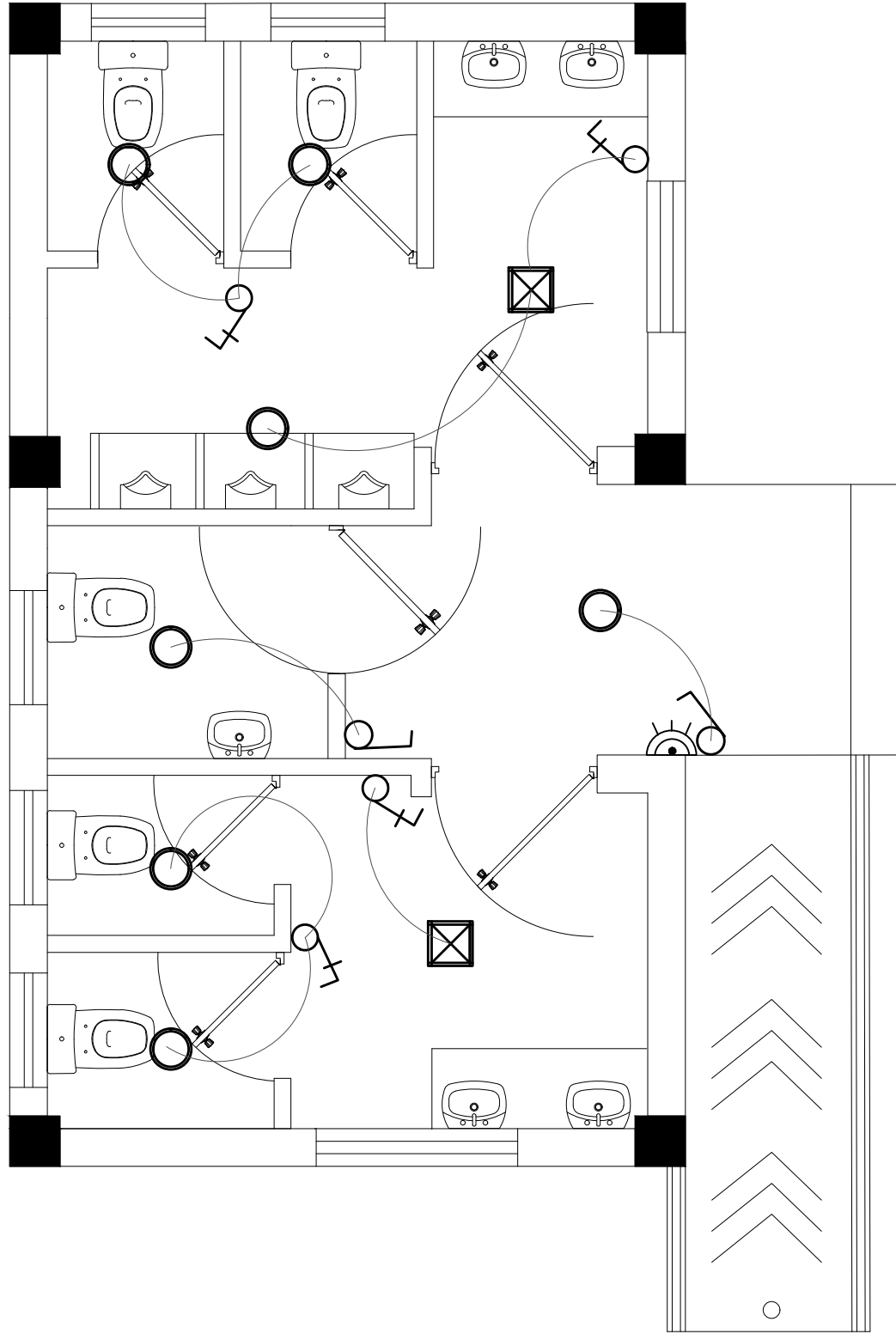
| SN. | SYMBOL                                                                                          | DESCRIPTION                              | MOUNTING HEIGHT          |
|-----|-------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------|
| 1.  |                | CEILING FAN                              | AT CEILING               |
| 2.  |                | MIRROR LIGHT                             | 80 INCH ABOVE FLOOR LVL. |
| 3.  |                | EXHAUST FAN                              |                          |
| 4.  |                | SURFACE MOUNTED CIRCULAR LED FIXTURE     | AT CEILING               |
| 5.  |                | RECESSED RECTANGULAR FIXTURE, CFL/LED    | AT CEILING               |
| 5.  |                | WALL LIGHT FIXTURE                       | 80 INCH ABOVE FLOOR LVL. |
| 6.  |                | DOME LIGHT FIXTURE                       | AT CEILING               |
| 7.  |                | CEILING MOUNTED LED LUMINARIES           | AT CEILING               |
| 8.  |                | CEILING MOUNTED LED LUMINARIES, 1' X 1'  | AT CEILING               |
| 9.  |                | CEILING MOUNTED LED FIXTURE, 2' X 1'     | AT CEILING               |
| 10. |                | CEILING MOUNTED LED FIXTURE, 1.5' X 1.5' | AT CEILING               |
| 11. |                | SUSPENDED LED LIGHT                      | AT CEILING               |
| 12. |               | BULK HEAD FIXTURE                        |                          |
| 13. |              | 15 A, 3 PIN SOCKET WITH SWITCH           | 10 INCH ABOVE FLOOR LVL. |
| 14. |              | 32A, 3 PIN SOCKET WITH SWITCH            | 10 INCH ABOVE FLOOR LVL. |
| 15. |              | SINGLE GANG ONE WAY SWITCH               | 54 INCH ABOVE FLOOR LVL. |
| 16. |              | TWO WAY SWITCH                           | 54 INCH ABOVE FLOOR LVL. |
| 17. |              | 'n' GANG SWITCH                          | 54 INCH ABOVE FLOOR LVL. |
| 18. |              | TWO GANG ONE WAY SWITCH                  | 54 INCH ABOVE FLOOR LVL. |
| 19. |              | TELEPHONE OUTLET                         | 10 INCH ABOVE FLOOR LVL. |
| 20. |              | COMPUTER OUTLET                          | 10 INCH ABOVE FLOOR LVL. |
| 21. | TO DB        | CONCUIT LEADING TO DB                    |                          |
| 22. |  TP MCB, X A | TRIPLE POLE MCB, X AMPHERE               |                          |
| 23. |  SP MCB, X A | SINGLE POLE MCB, X AMPHERE               |                          |
| 24. |              | OVERHEAD PROJECTOR                       | AT CEILING               |
| 25. |              | DATA POINT FOR OVERHEAD PROJECTOR        | AT CEILING               |
| 26. |              | POST LAMP FOR OUTDOOR LIGHTING           |                          |
| 27. |              | MAIN DISTRIBUTION BOARD                  |                          |
| 28. |              | DISTRIBUTION BOARD                       |                          |
| 29. |              | EARTHING                                 |                          |
| 30. |              | SOLAR STREET LIGHT                       |                          |

### GENERAL NOTES:

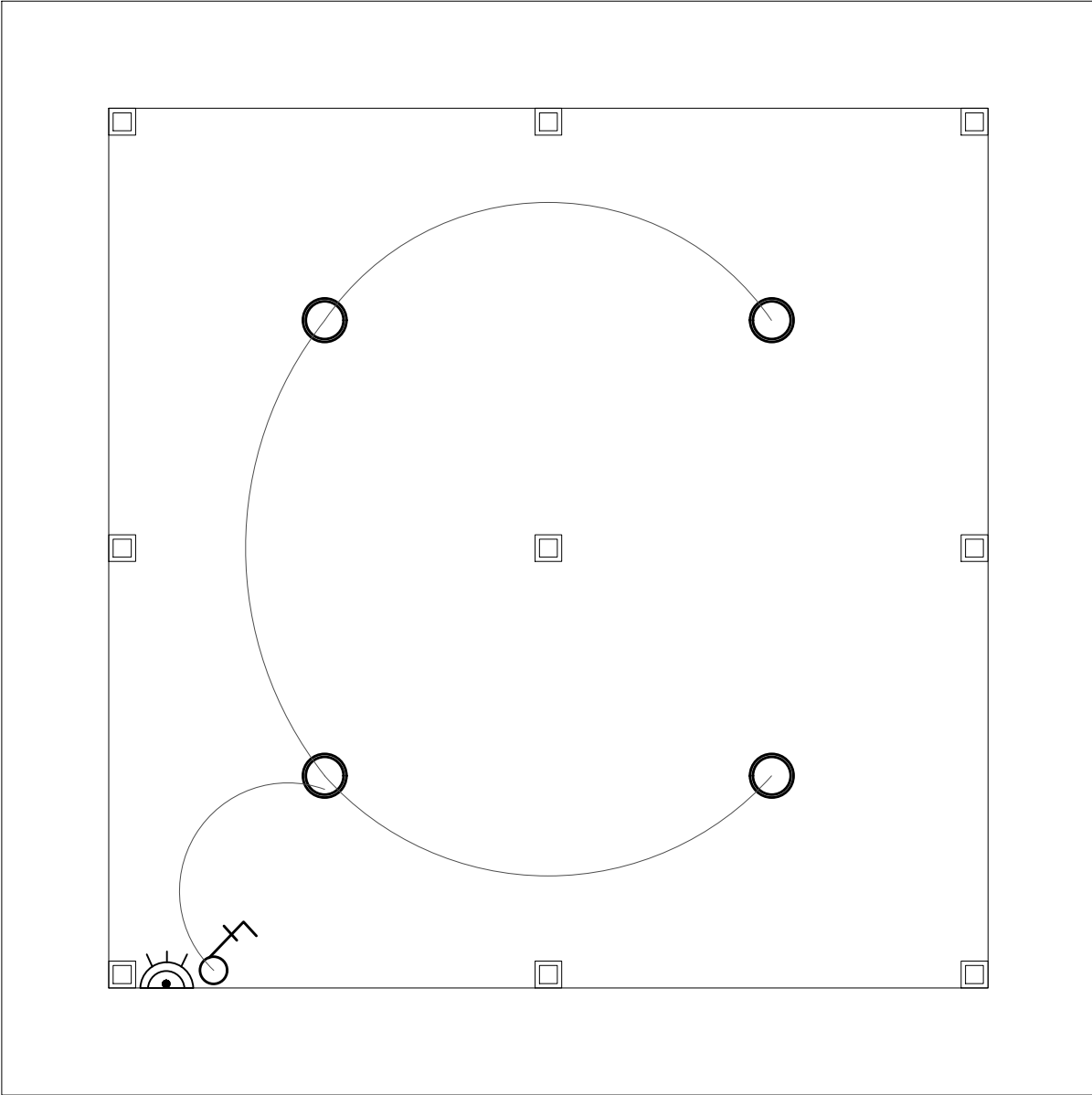
- ALL MAIN & BRANCH CIRCUIT WIRE SHALL BE INSULATED COPPER WIRE OF SPECIFIED SIZE.
- ELECTRICAL PLANS DIAGRAMMATIC REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS OF THE BUILDING.
- SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURE.
- NEUTRAL & THE GROUNDING BUS SHALL BE BOUNDED AT THE MAIN DISTRIBUTION PANEL ONLY.
- ALL GROUNDING ELECTRODES MUST BE CONNECTED TOGETHER TO ENSURE THAT THERE IS ONE GROUNDING SYSTEM.
- ALL BRANCH CIRCUITS MUST HAVE SEPERATE GROUNDING CONDUCTOR & USE ONLY COPPER CONDUCTOR.
- PROVIDE SEPERATE ELECTRICAL BRANCH CIRCUITS FOR POWER AND LIGHTING.
- READ LIGHT CIRCUIT IN CONJUNCTION WITH EMERGENCY LIGHT CIRCUIT.

### INSTRUCTION TO CONTRACTOR:

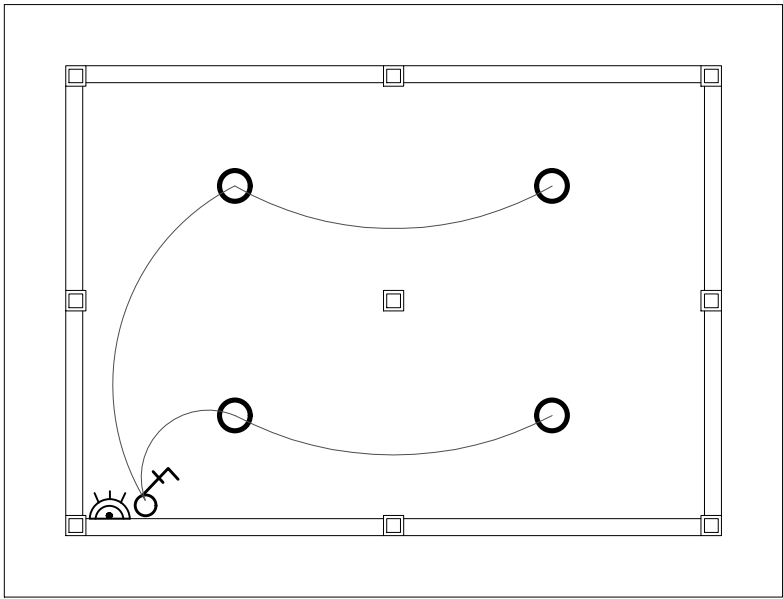
- The conduit runs shall be straight and short as far as possible.
- For the wiring of light circuit (i.e. light, fan, exhaust fan), the size of wire shall be 2.5 sq. mm. (3/20) PVC insulated copper wire.
- For the wiring of power circuit, 4 sq. mm. PVC insulated copper wire shall be used.
- Separate neutral wire shall be provided for each light and power sub-circuit.
- Each power socket shall be provided with earth connection and the earth wire of 2.5 sq. mm. shall be used.
- Red/Yellow/ Blue wire shall be used for phase.
- Black wire shall be used for neutral.
- Green wire shall be used for earth.
- Switch shall be used in phase, not in neutral.
- Conductor joints shall be in junction box and switch box, cable joint within conduit is not allowed.
- In normal case the power socket shall be placed 10 Inch above ground level.
- In bathroom, power socket shall be placed 60 inch above ground level.
- Switch plate shall be placed 54 inch above the ground level.
- The color of switch plate, power socket plate, television port, telephone port, computer port shall be matched with each other in height and color and in color with wall.
- The color for emergency switch plate (supply from generator) shall be black.



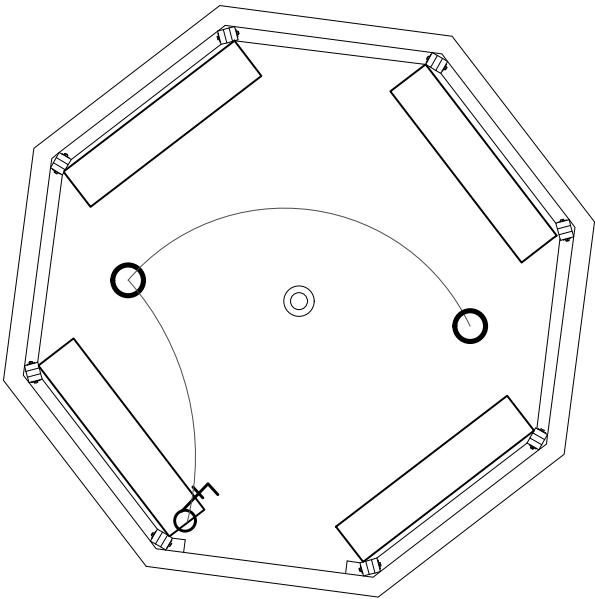
**TOILET DETAIL PLAN ( Light Circuit & Power Socket Layout)**



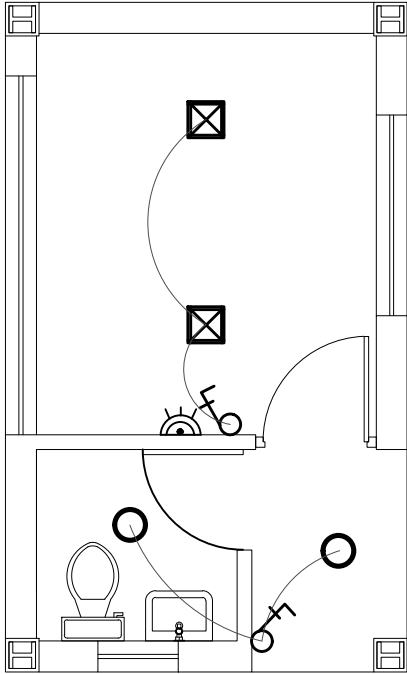
**PAVILION PLAN ( Light Circuit & Power Socket Layout)**



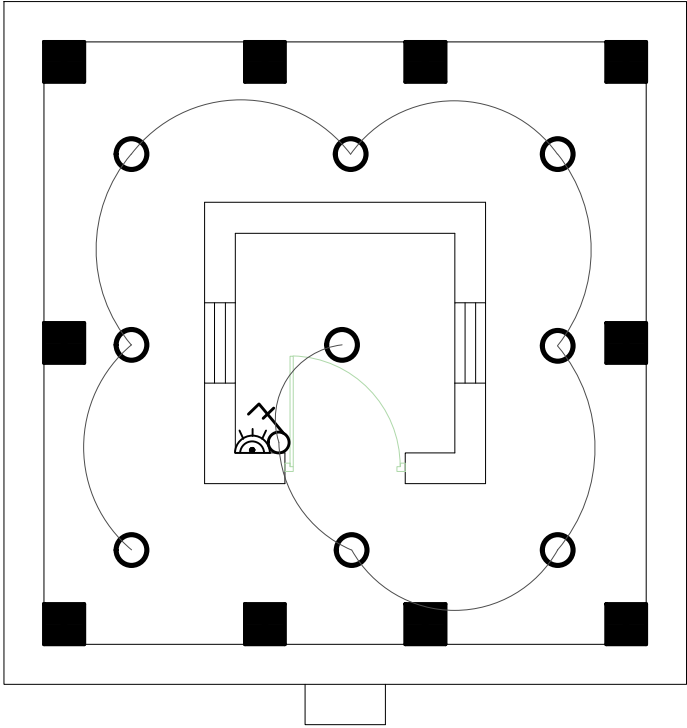
**RESTING AREA PLAN ( Light Circuit & Power Socket Layout)**



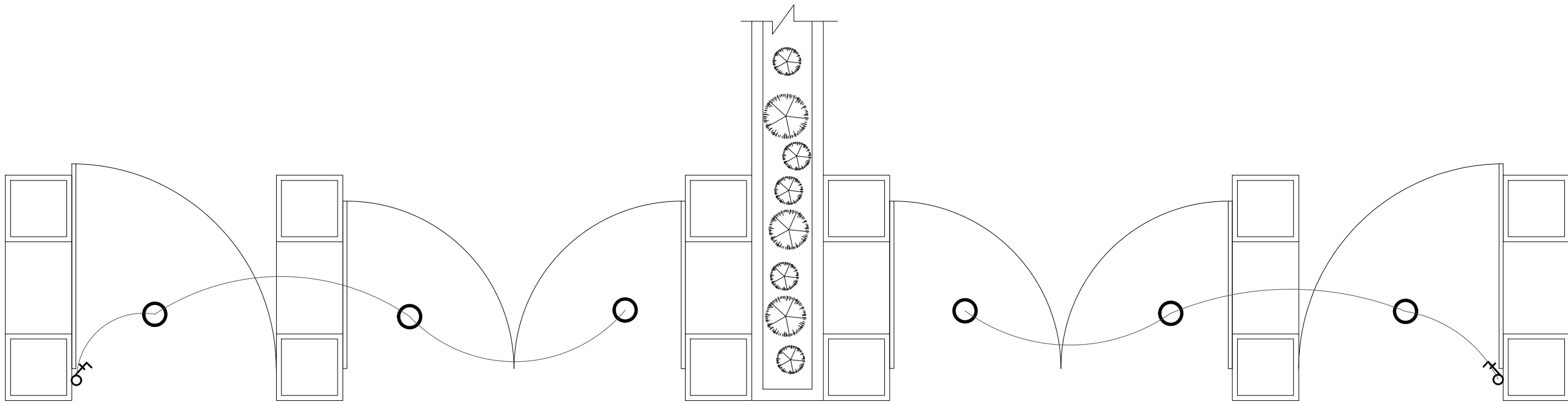
**GAZEBO/ SHED ( Light Circuit & Power Socket Layout)**



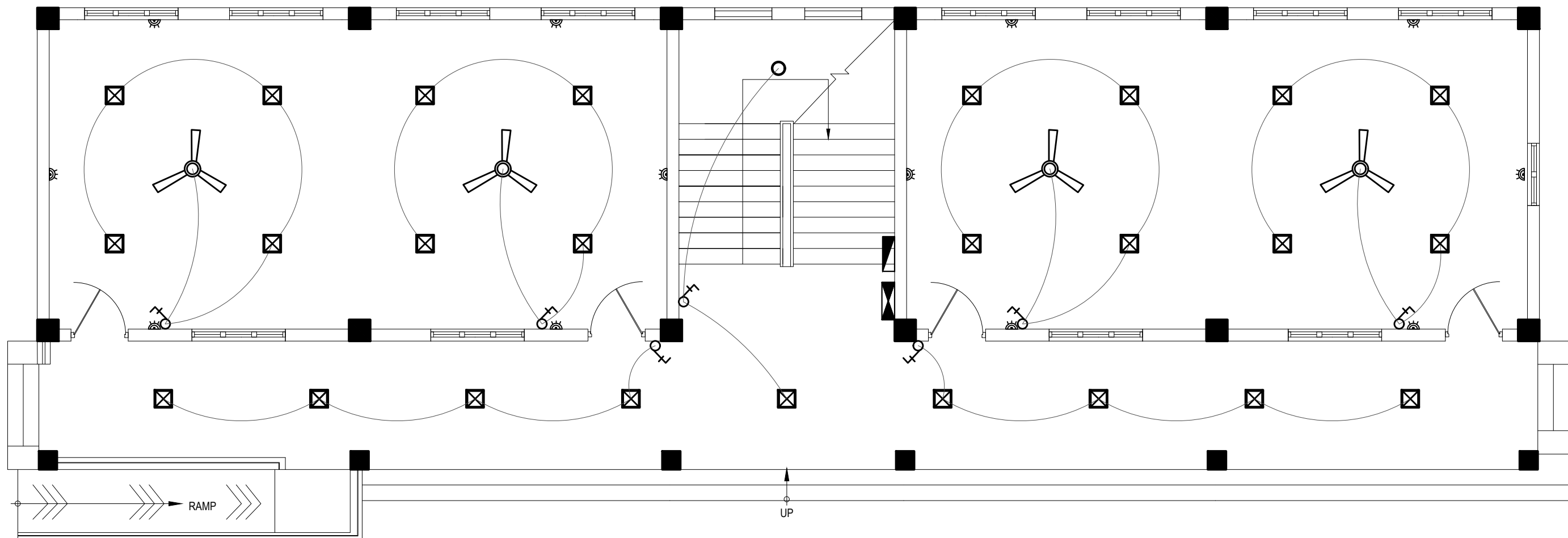
**GUARD HOUSE ( Light Circuit & Power Socket Layout)**



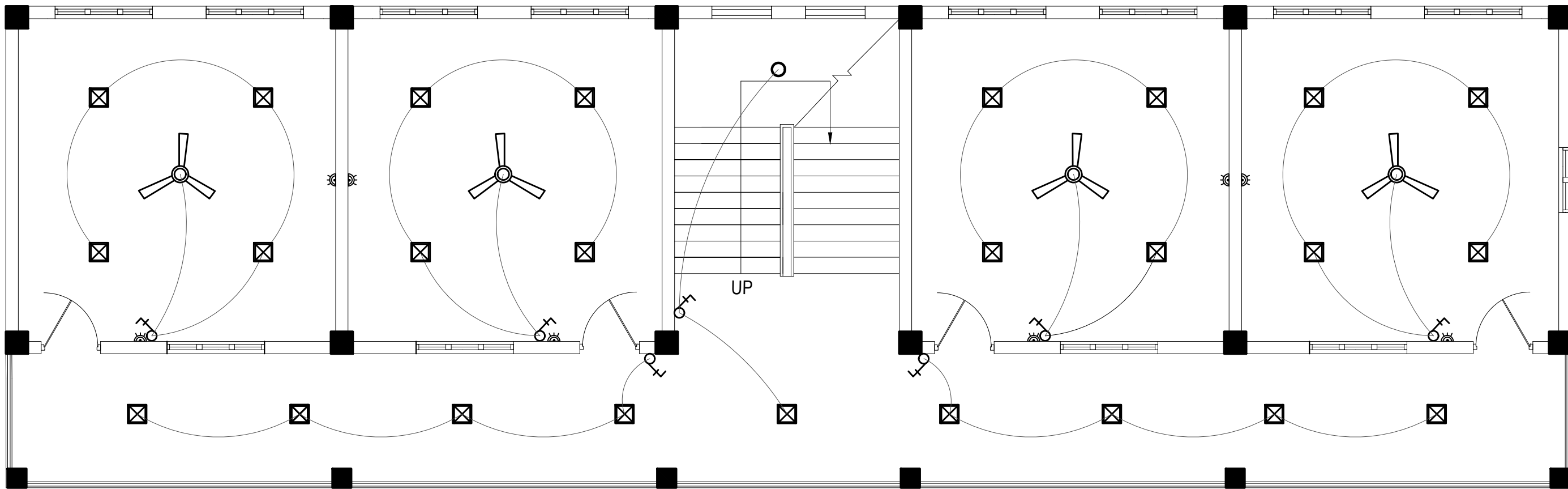
**TEMPLE ( Light Circuit & Power Socket Layout)**



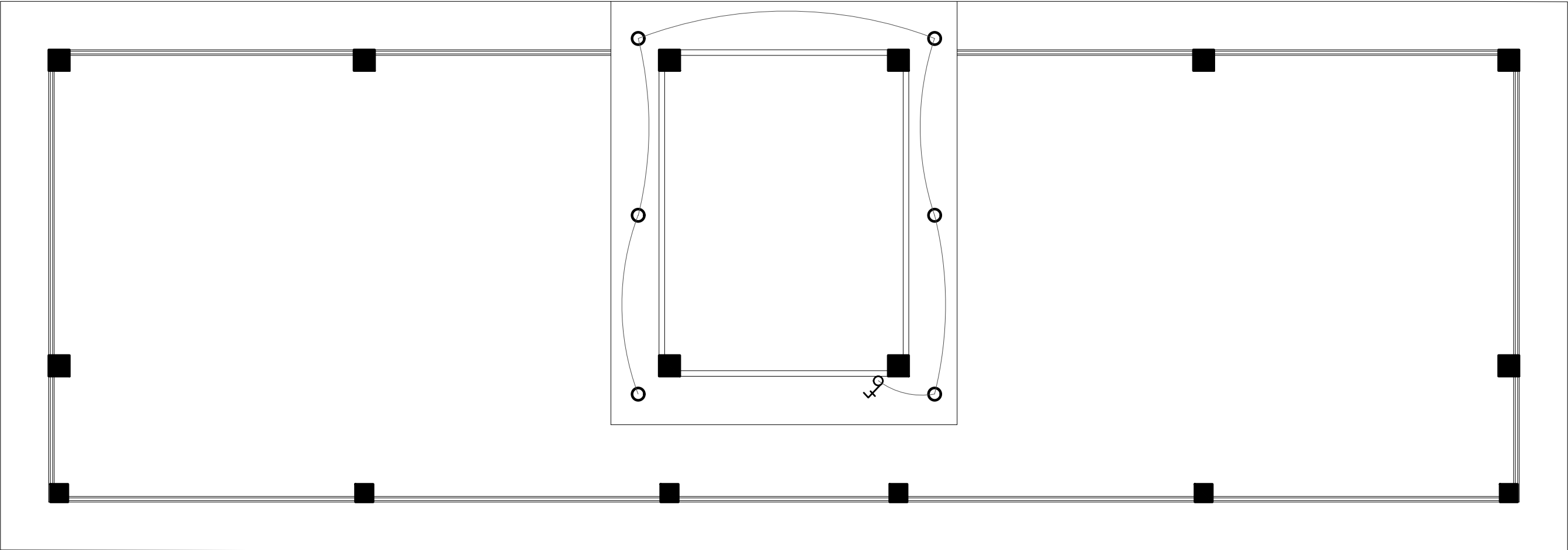
**MAIN GATE PLAN ( Light Circuit Layout)**



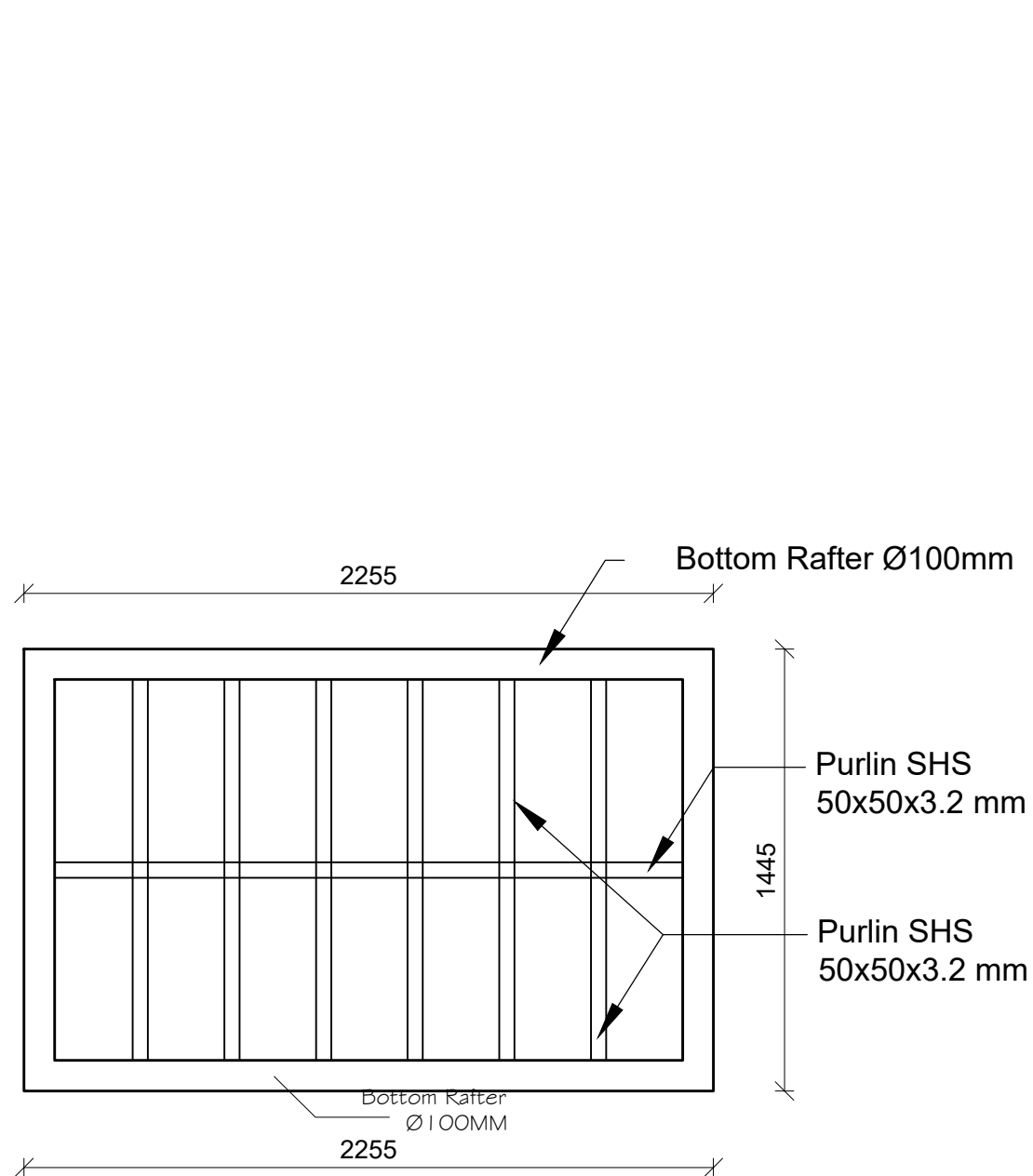
**COMMUNITY BUILDING GROUND FLOOR PLAN ( Light Circuit & Power Socket Layout)**



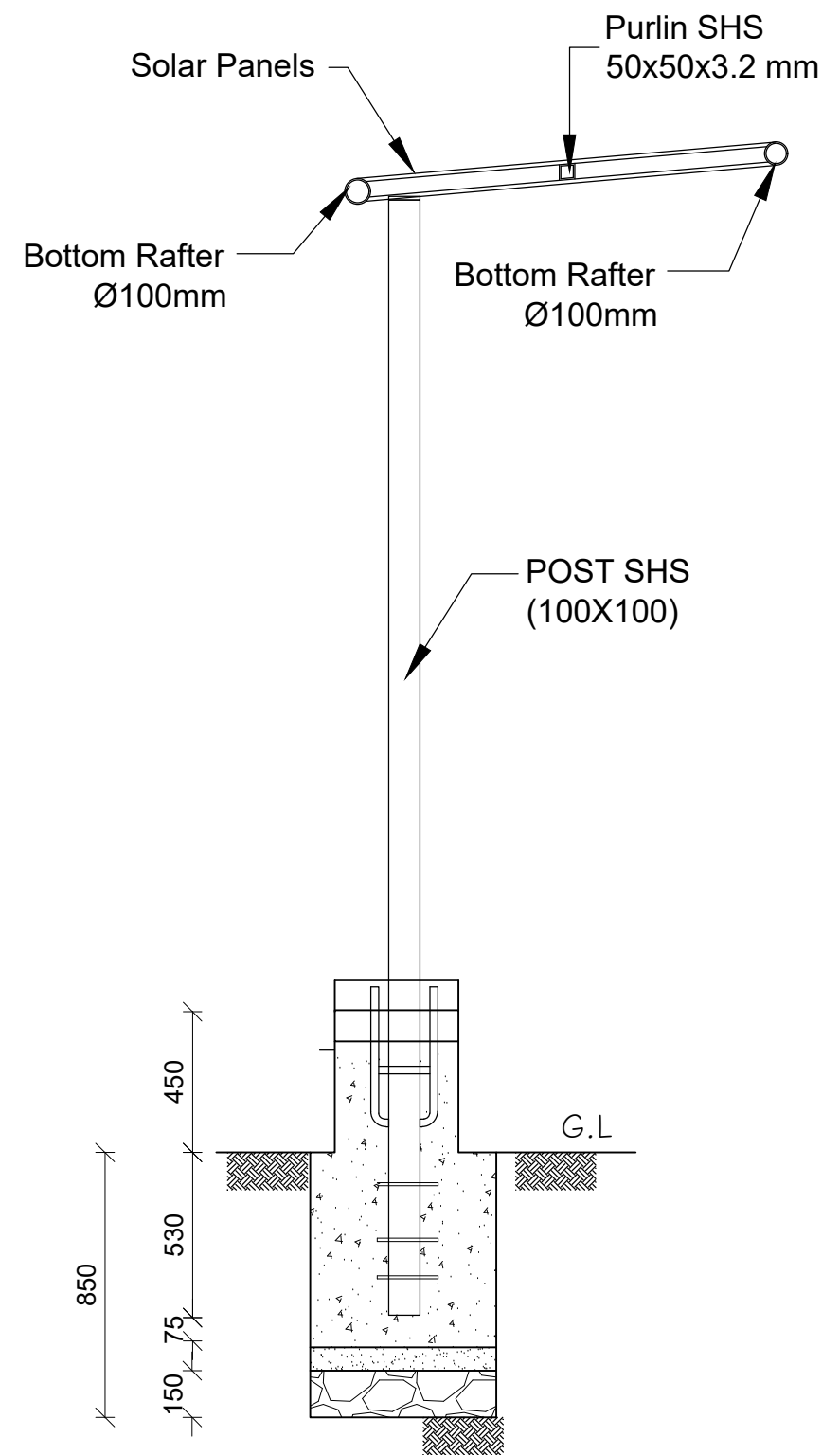
**COMMUNITY BUILDING FIRST FLOOR PLAN ( Light Circuit & Power Socket Layout)**



**COMMUNITY BUILDING ROOF PLAN ( Light Circuit & Power Socket Layout)**



**SOLAR PANELLING PLAN**



**SOLAR PANELLING POST DETAIL**