

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	DESIGN PROPOSAL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					01
				REVISION /DATE						
				DESCRIPTION						

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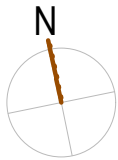
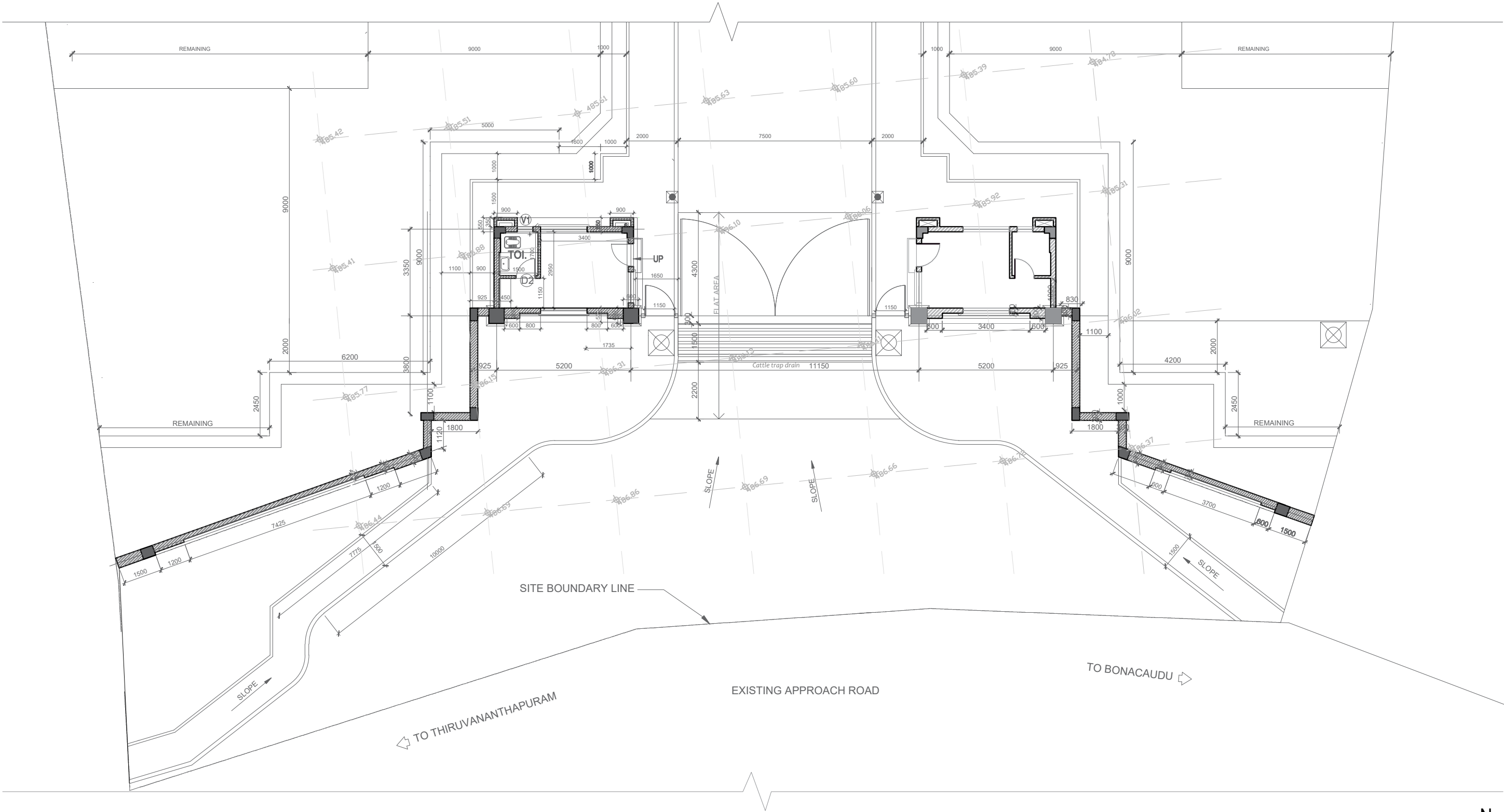
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SITE PLAN WITH EXISTING STRUCTURES



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	SITE PLAN WITH EXISTING STRUCTURES			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +917994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					02
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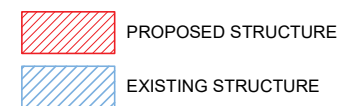
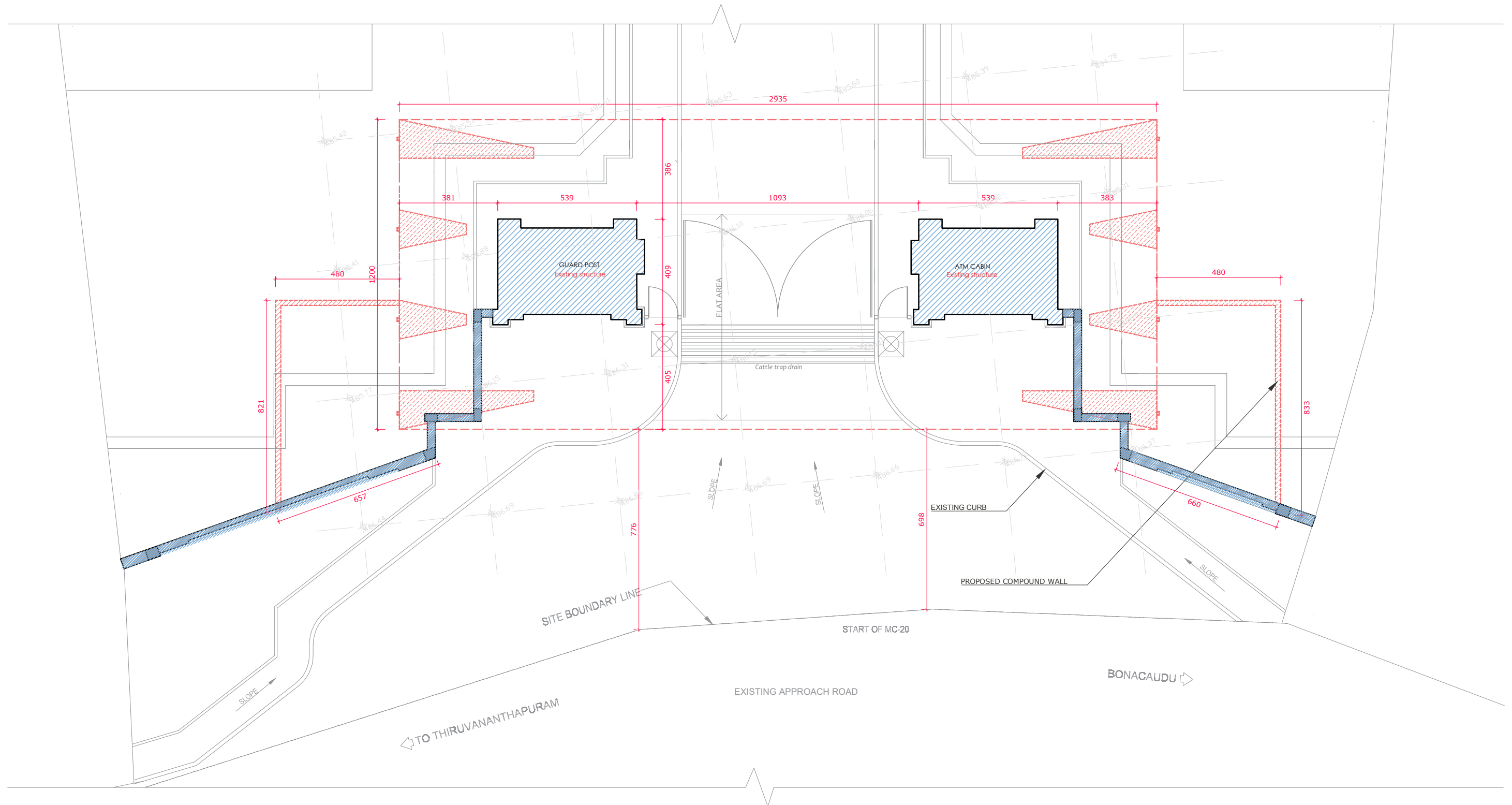
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## SITE PLAN WITH EXISTING STRUCTURES AND PROPOSED DESIGN OVERLAID



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	SITE PLAN WITH EXISTING STRUCTURES AND PROPOSED DESIGN OVERLAID			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					03
				REVISION /DATE						
				DESCRIPTION						

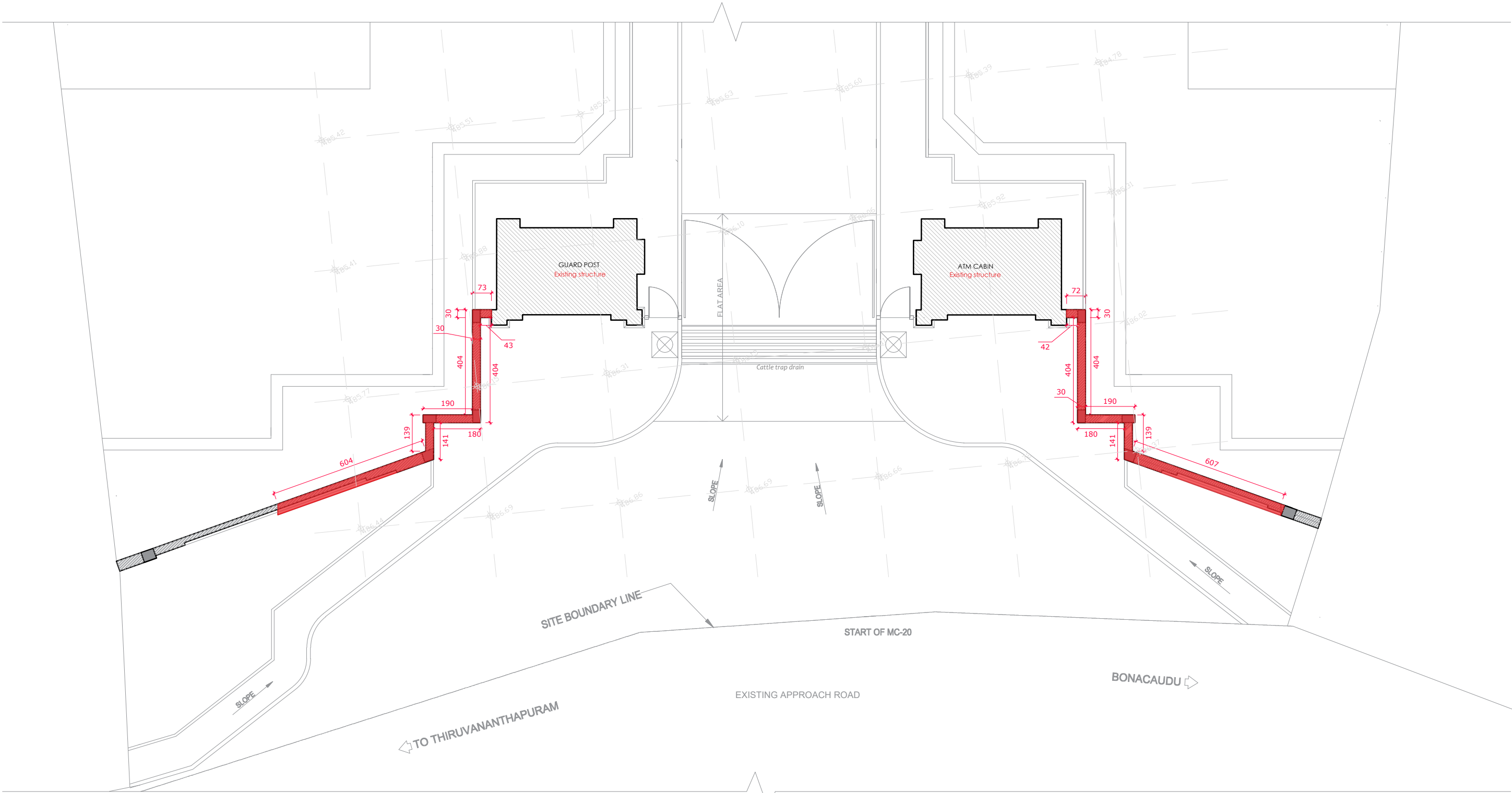
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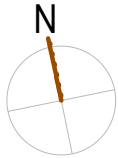
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DEMOLITION \_ COMPOUND  
WALL\_LAYOUT



EXISTING COMPOUND WALL  
TO BE DEMOLISHED



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	DEMOLITION _ COMPOUND WALL _ LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala</div><div>+91 7994957444 +91 9447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					04
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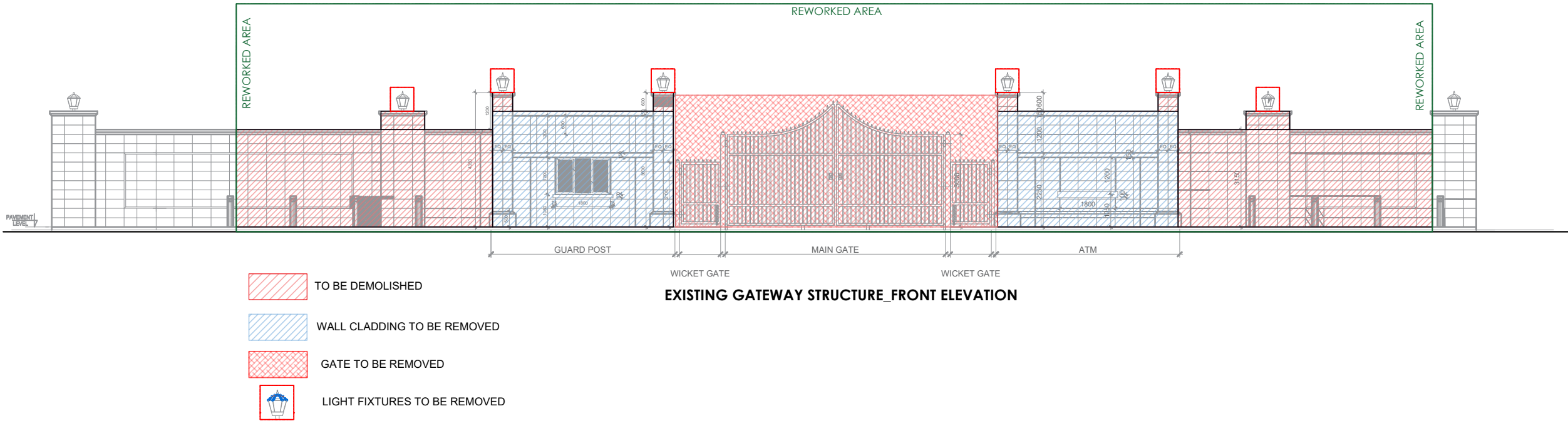
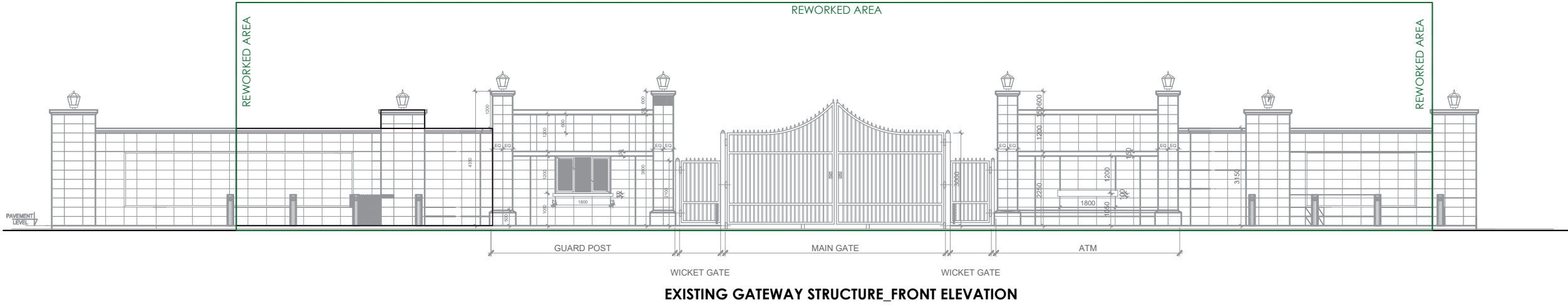
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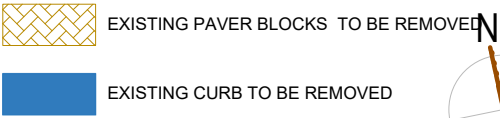
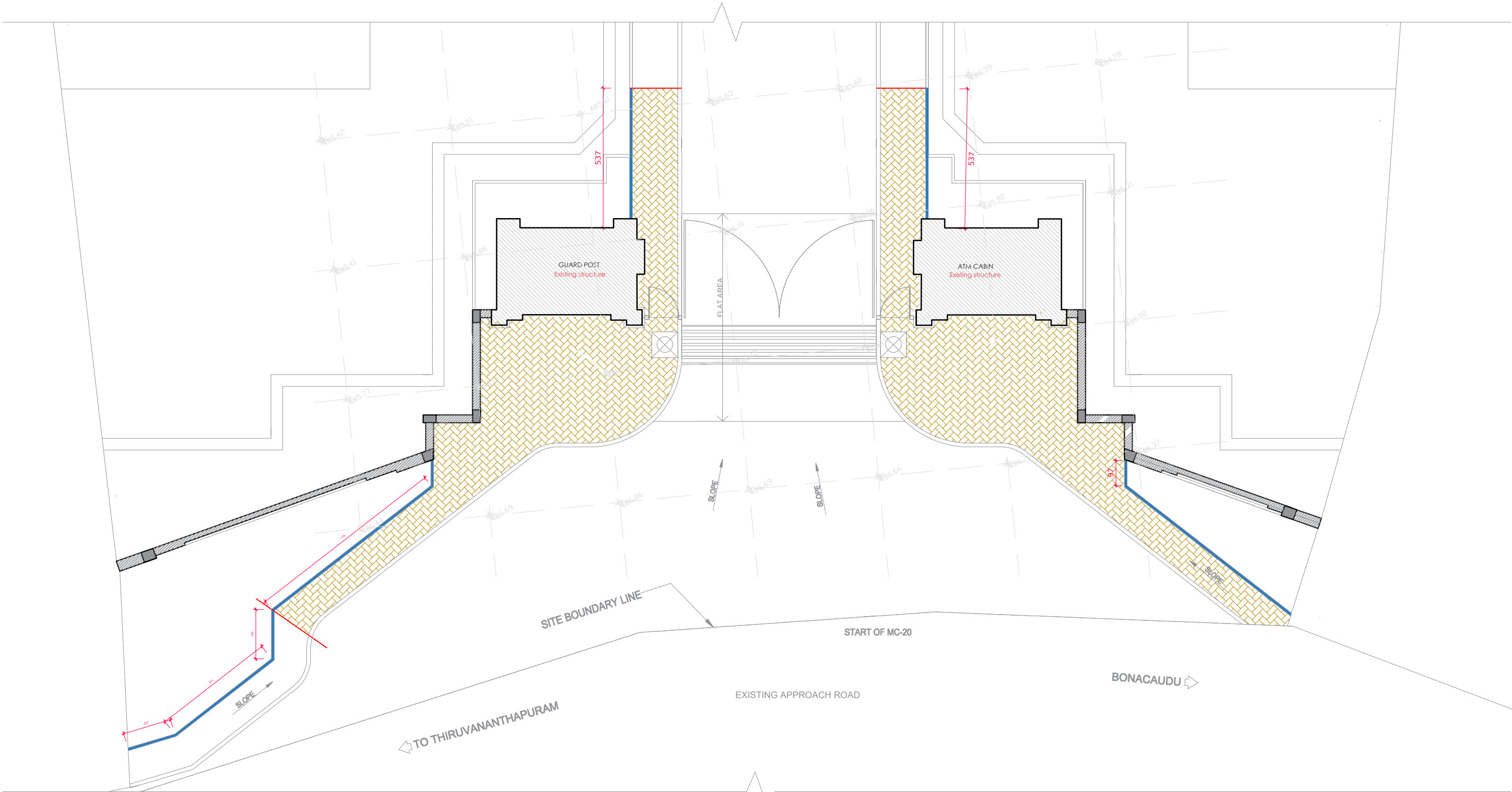
DEMOLITION \_ COMPOUND  
WALL\_ELEVATION



-  TO BE DEMOLISHED
-  WALL CLADDING TO BE REMOVED
-  GATE TO BE REMOVED
-  LIGHT FIXTURES TO BE REMOVED

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	DEMOLITION _ COMPOUND WALL _ ELEVATION			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					05
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				DESCRIPTION						

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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO  06
CLIENT	IISER TVM	DRAWING	DEMOLITION _PAVER BLOCKS AND CURBS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					
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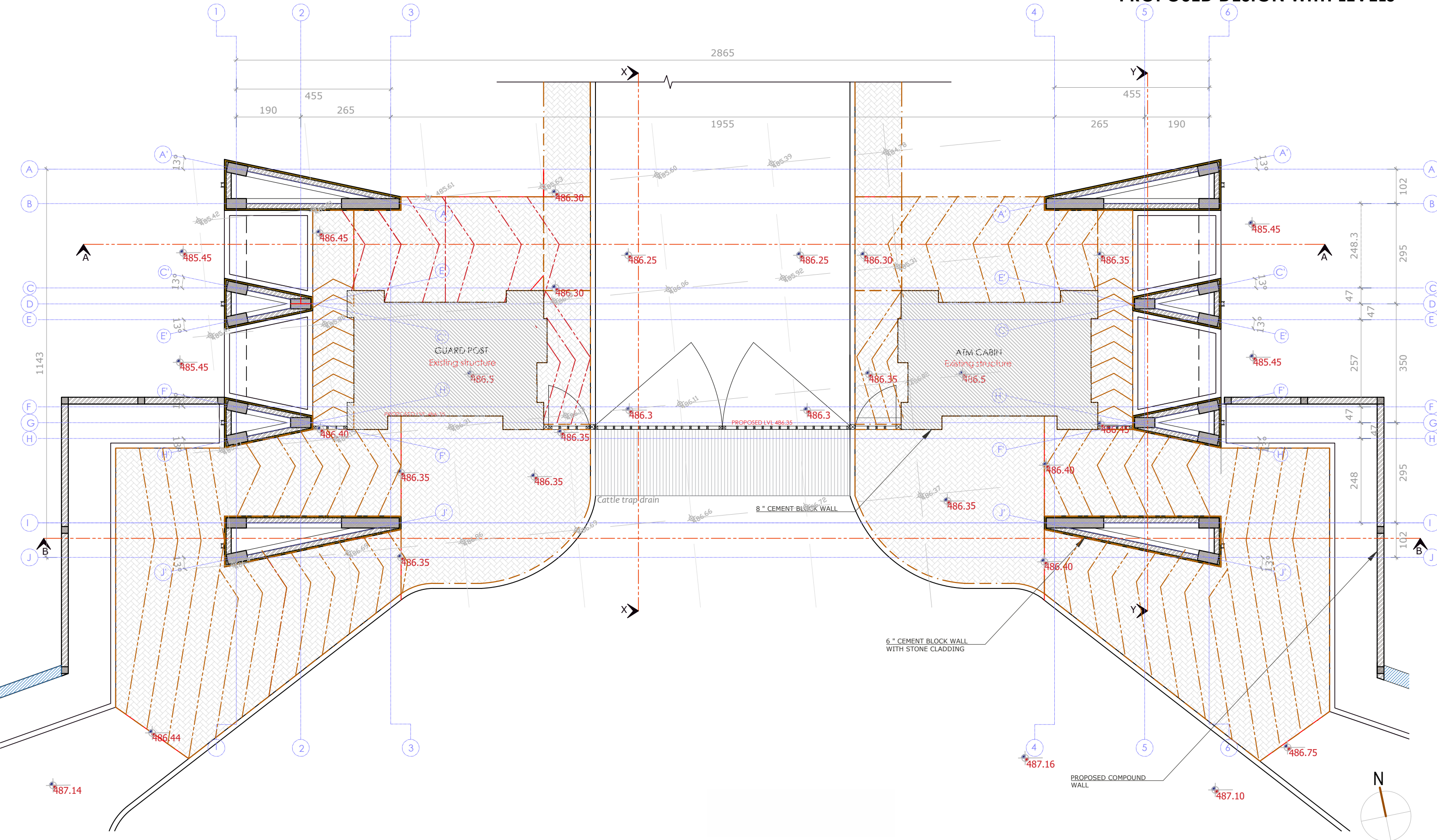
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PROPOSED DESIGN WITH LEVELS



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:150	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PROPOSED DESIGN WITH LEVELS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div><div><div></div><div>KAAYV</div><div>architecture</div></div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					07
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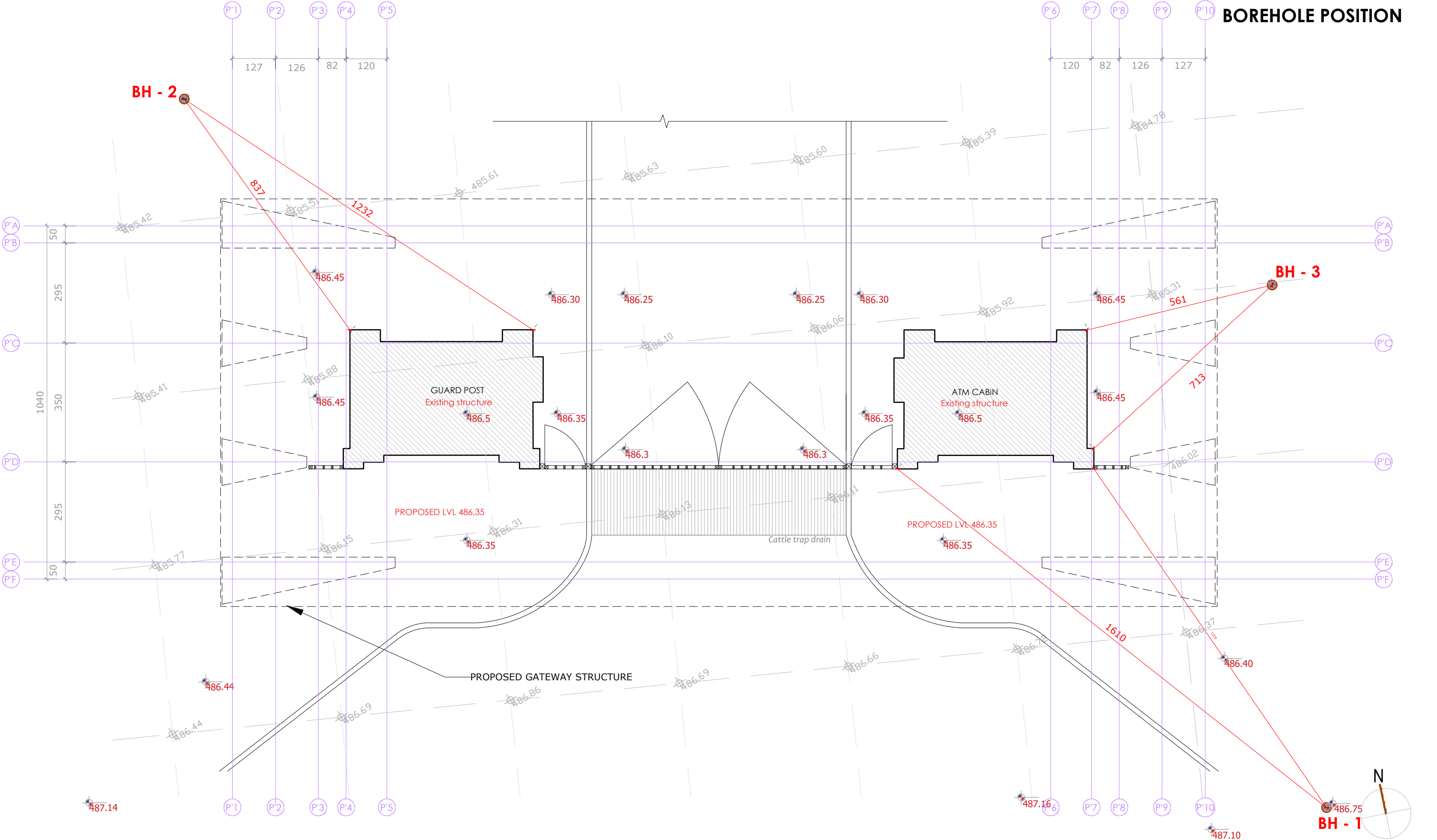
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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	BOREHOLE POSITION			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					08
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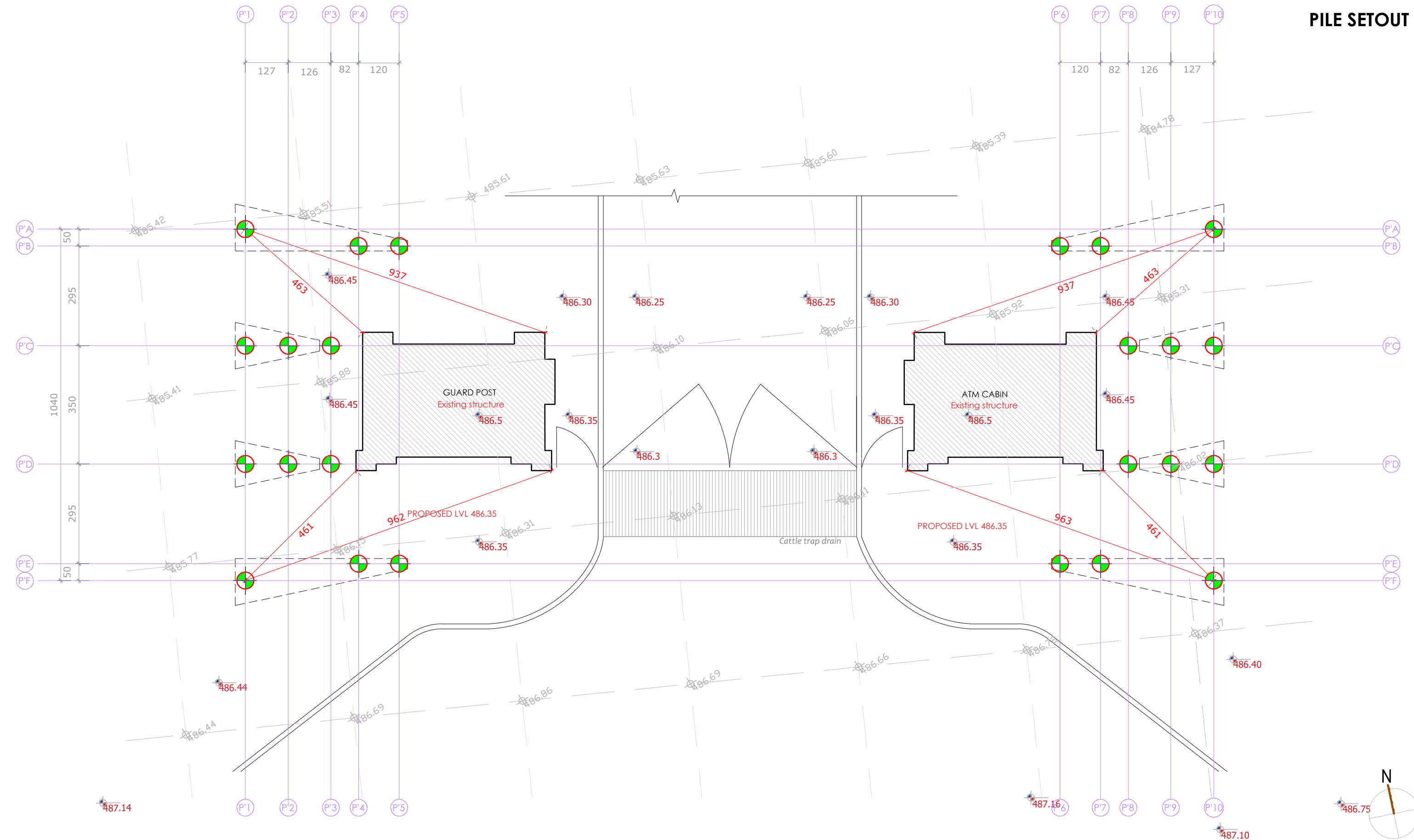
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## PILE SETOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PILE SETOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +917994957444 +919447329867 <a href="mailto:info@kaavarchitecture.com">info@kaavarchitecture.com</a> <a href="http://www.kaavarchitecture.com">www.kaavarchitecture.com</a>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					09
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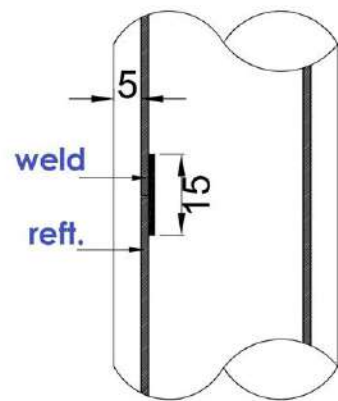
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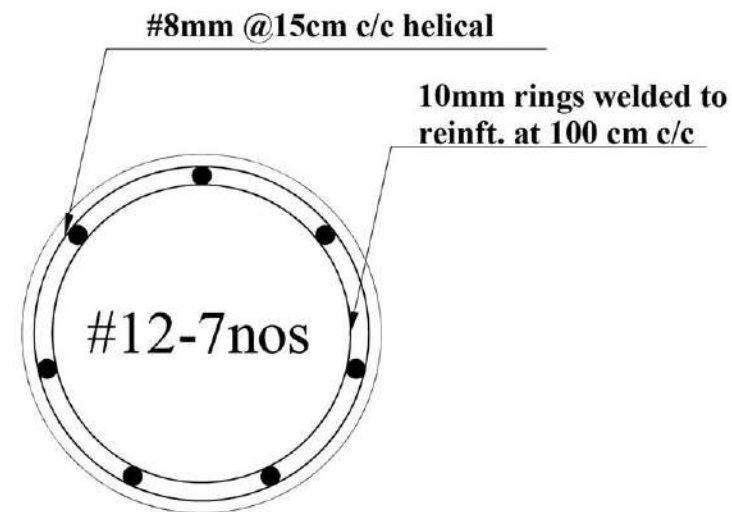
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1. Mix for pile - M25.
2. Pile should reach a varying depth from 12.5m neear BH1, 16m near BH2 and 18m near BH3(as mentioned in soil report).
3. Cover to main reinforcement of pile is 5 cm.
4. Where welding of the reinforcment is required, it should be continuous with weld length of 15 cm. For convenience, an additional piece for welding can be provided at the inner side instead of an overlap.
5. The work should be carried out by using DMC boring technique in accordance with relevant IS.2911(Part 1/sec2) and also on soil investigation report.
6. Flushing of boreholes will have to be done very meticulously to ensure flushing out of all slush.
7. The time gap between flushing and starting of concreting have to be minimum and the concreting have to be continous.
8. The hopper and tremie has to be a closed system through which grout should not leak.The tremie pipe bottom end should be kept as low as possible.
9. The hopper shall be large enough to contain required quantity of concrete.
10. The pile log has to be recorded clearly showing all activities including rate of concreting - Quantity of material consumption for unit depth etc.
11. Water - cement ratio of concrete is maintained properly by monitoring the slump of concrete between 150mm and 180mm.
12. Cube testing as per standards has to be carried out for each pile.
13. Refer soil report for excavation procedure.



#### PILE DETAILS (USE M25 MIX)



#### C.S OF 50CM DIA PILE

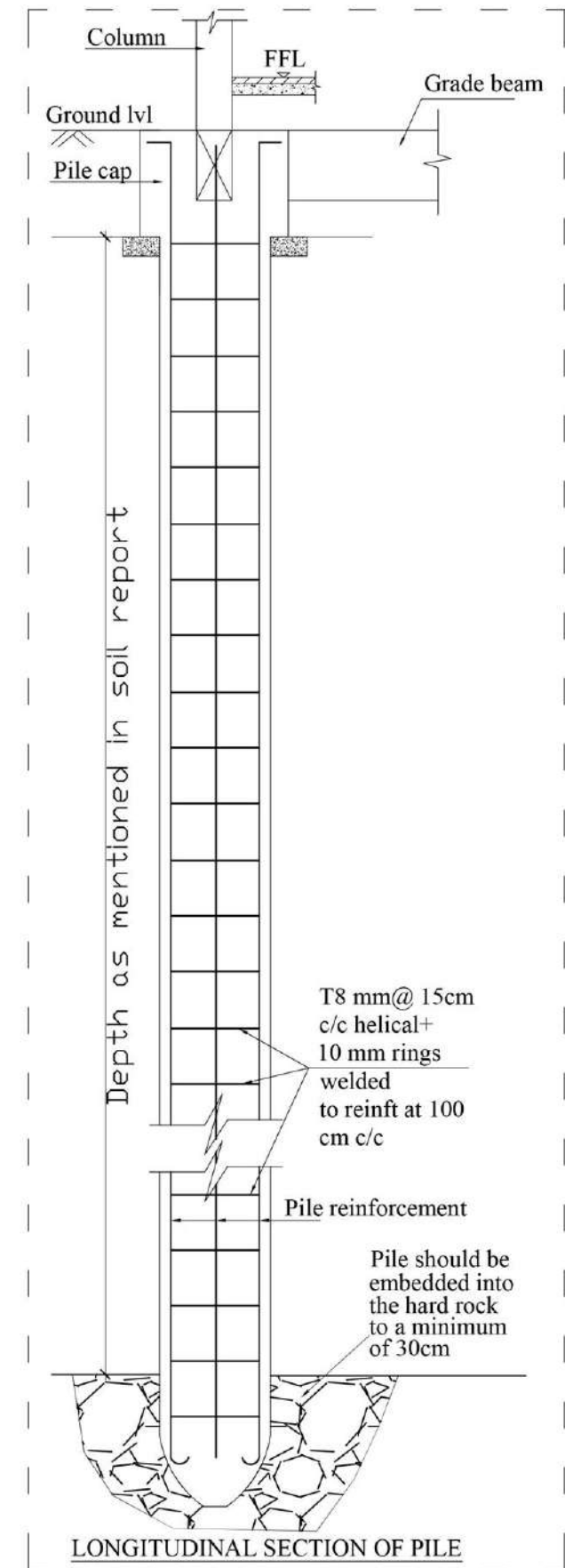
#### PILE LEGEND




50cm dia pile

#### NOTE:

Depth of pile may vary from 12.5m near BH1, 16.0m near BH2 and 18.0m near BH3.



#### PILE DETAIL

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PILE DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					10
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GENERAL NOTES:

GENERAL NOTE

1. DIMENSIONS
- All dimensions are in millimetres and all levels are in metres unless otherwise specified.

Written dimensions shall be accepted. No dimensions shall be scaled off from the drawings for arriving at any dimensions.
2. CONCRETE
- Unless specified otherwise, grade of concrete mix shall be M25 for pile and M30 for other structures conforming to IS 456-2000 and cement shall be 53 Grade OPC.

Only vibrated concrete shall be used for all concrete works.

The specifications regarding the size of aggregate sampling, testing of cement and aggregates and other technical specifications mentioned in the tender documents shall be strictly followed.

The production and quality assurance of concrete shall be as per clause 10 of IS 456-2000.

Precast mortar blocks of same strength of that of structural concrete shall be used for cover blocks at bottom and sides of reinforcement.

Water proofing/ crystalline chemicals should be used where there is a chance of water seepage.
3. REINFORCEMENT AND DETAILING
- Unless specified otherwise High strength deformed bars of minimum grade Fe 500 conforming to IS 1786-1979 shall be used. Only tested quality steel shall be used and test certificates for each consignment shall be produced before using the steel on the job.

The steel bars shall be placed and tied in such a way that the bars are not displaced during concreting.

Laps/splices shall not be provided at maximum bending moment zones. Laps/splices shall be staggered by atleast 600mm and not more than 20% of the bars in a section shall be laped/spliced at that section.

Not more than half the column bars shall be lapped at a section

The top and bottom longitudinal steel for beams framing in to both the sides of columns should extent through the column without splicing/lapping.

Lap length in reinforcing bars shall conform to clause 26.2.1 of IS 456-2000.

Nominal cover to all steel reinforcement to meet durability requirement under mild exposure shall be as follows unless otherwise specified.

i) Slab

- 25mm for main reinforcement bars up to 12 mm diameter

- 30 mm for reinforcement bars above 12mm diameter

ii) Beam

- 25mm (Minimum)

iii) Column

- 75mm upto ground level and 40mm above ground level.

iv) Foundation

- 75mm according to the exposure condition

v) Water retaining structures

Water face

- 50mm

Other faces

- 25mm

In any case the clear cover shall not be less than the largest bar dia, used in that element.
4. COVERING BLOCK
- Cover block should be cast at site as per the required cover with same mix as that of member to be casted.

Covering blocks are to be tied at sides of column reinforcement and beam reinforcement. If required at end of beam reinforcement and end of cantilever slab reinforcement.

Covering blocks shall be given curing for a minimum of 28 days. Cover to foundation at bottom and sides shall be cast in advance and provided.

Necessary care should be taken while casting cover block as shown
- 5.11. HOOK LENGTH.
- Hook length in ties should be ten times diameter of ties
- 
- 
6. REMOVAL OF FORMWORKS

Forms shall not be released until the concrete has achieved a strength of at least twice the stress to which the concrete may be subjected at the time of removal of form work. Where ever possible the form work shall be left longer as it would assist the curing. Forms may be removed as per clause 11.3 of IS 456/2000.

Where the floor above is likely to be over loaded by construction materials or other reasons, the formwork for that floors shall be retained during the duration of the loading and reproping for the floors below, if required shall be done.

The supports for the beams shall be retained until the concreting of the floors above is completed and the full strength frame action achieved.

Exposed slabs (roof slabs, open verandah, slabs around open courtyard) shall be given a minimum slope of 1 in 100 or as required, in form work itself so as to drain the rain water. Even if there is vertical expansion, the intermediate floor slab can be given slope as above.

7. FILLER WALLS/PARTITION WALLS

The construction of filler walls/partition walls/filling in depressed floors etc. shall be taken up only after the floor frame supporting it has attained full strength and the formwork released.

The construction of the above item of work shall be taken up from top floor to downwards where ever possible.

150mm thick PCC band with 2 Nos 6mm plain bars shall be provided at a height of 1.5m intervals for all half brick wall construction.

Properly designed bed blocks shall be provided under beams resting on walls.

Reinforcements for lintels, sun shades, slab projections, parapet etc. shall be provided suitably at site by the Engineer in charge.

The filler walls or partitions walls shall be constructed only as per AR drawings and deviation from the AR drawings is not permitted at any stage unless otherwise noted in the structural drawing.

Concealed beam of 300x120 with 4 Nos 12mm dia bar at top and bottom and 8mm dia, 2 legged stirrups at 150 c/c shall be provided with in the floor slab to support half brick wall of maximum height 2.4m if sub beams are not provided in the structural drawing.

8. DELAYED CONSTRUCTION

In case construction is not envisaged above any floor level the reinforcement provided for that floor beams and slab shall not be less than that proposed for the roof level beams or slab.

In such cases provide temperature reinforcement at top face of that floor slab with 8 mm dia Fe 500 bars @ 300 c/c as a mesh in portions not covered by structural steel or main structural elements.

Proper bonding chemicals should be used when concreting is not done continuously.

9. LOADING

Generally live loads are as specified in IS 875 Part-II is adopted for design.

Wall loads are considered only on beams where walls are shown in Architectural drawing. Hence walls cannot be constructed where wall loads are not considered.

The work shall be executed in accordance with sound engineering practice and as per ADS specification indicated in relevant codes of practice and National Building Codes.

Proper co-ordination between electrical, mechanical and all such other trades should be maintained with civil works before starting the structural work. If any changes required they shall be reported.

If there is any ambiguity in the drawings or if the structural drawings are not agreeing with the AR drawings, the same may be got clarified before execution of work.

No change in design shall be effected with out proper authority.

Sufficient drain water pipes should be provided to drain the rain water from roof or shade slabs.

The slope to the roof of porch, general roof tank roof, lift roof etc shall be given in form work itself.

Waterproofing arrangements shall be made for toilet slabs.

Electrical conduits shall be provided in beam and slabs at the time of casting. Provision for electrical ducts/conduits/cables shall be provided at the time of casting column, beam, slab, staircase etc. in order to avoid cutting of structural members afterwards.

For electrification wiring do not pass through column, beam cross section.

Provision for toilet pipe outlets of required dimension shall be made at the time of casting the toilet beams / slabs

12. END COLUMNS

Construction should be stopped considering development length of reinforcement bars from beams (refer detailing) anchored into the columns.

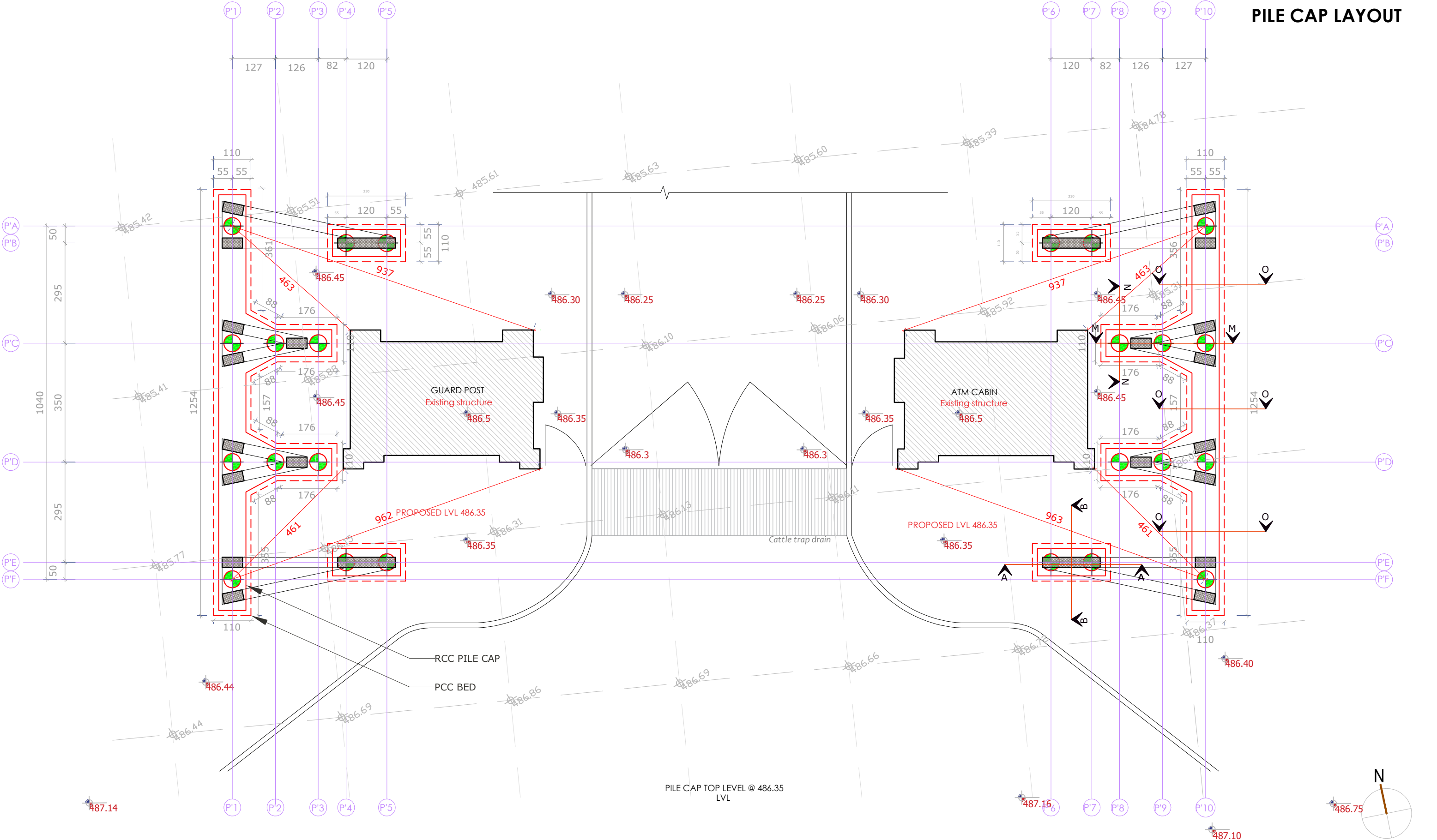
13. SUPERVISION

Strict supervision shall be ensured by the Engineer - concerned during the execution of the work at site.

14. Tread / riser stair slab link will be connected to the floor beam.

PILE CAP

15. The embedment of pile into cap should be 75 mm
- |            |   |                   |  |                |            |       |       |         |          |        |    |
|------------|---|-------------------|--|----------------|------------|-------|-------|---------|----------|--------|----|
| PROJECT    | GATEWAY FOR IISER CAMPUS AT TRIVANDRUM  |                   |  | STAGE          | TENDER     | SCALE | 1:100 | DRAWN   | DHANEESH | DWG NO |    |
| CLIENT     | IISER TVM   | DRAWING           | GENERAL NOTE                                 |                |            | UNITS | CM    | CHECKED | VISAKH   |        |    |
| ARCHITECTS | <div><div><div><div><div></div><div>KA</div><div>AV</div><div>V</div></div><div>architecture</div></div><div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala</div><div>+91 7994957444 +91 9447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div></div></div> | PROJECT ARCHITECT | VISAKH. S<br>B Arch<br>Reg No: CA/2012/54721 | DATE           | 30 06 2025 |       |       |         |          |        | 11 |
|            |   |                   |  | REVISION /DATE |            |       |       |         |          |        |    |
|            |   |                   |  | DESCRIPTION    |            |       |       |         |          |        |    |
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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PILE CAP LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud Tvm -14 Kerala</div><div>+91 7994957444 +919447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div><div>PROJECT ARCHITECT</div><div>VISAKH. S</div><div>B Arch</div><div>Reg No: CA/2012/54721</div></div>		DATE	30 06 2025					12	
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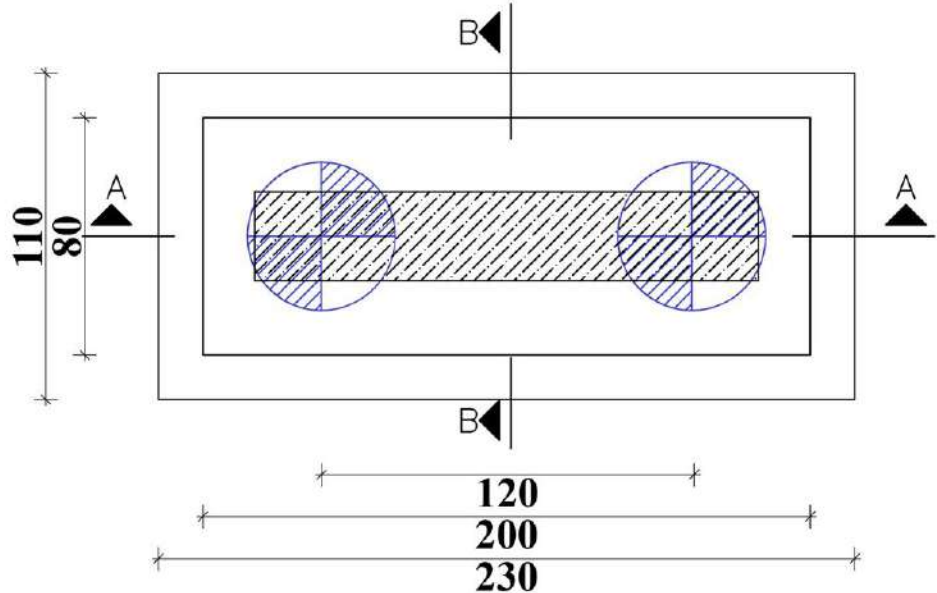
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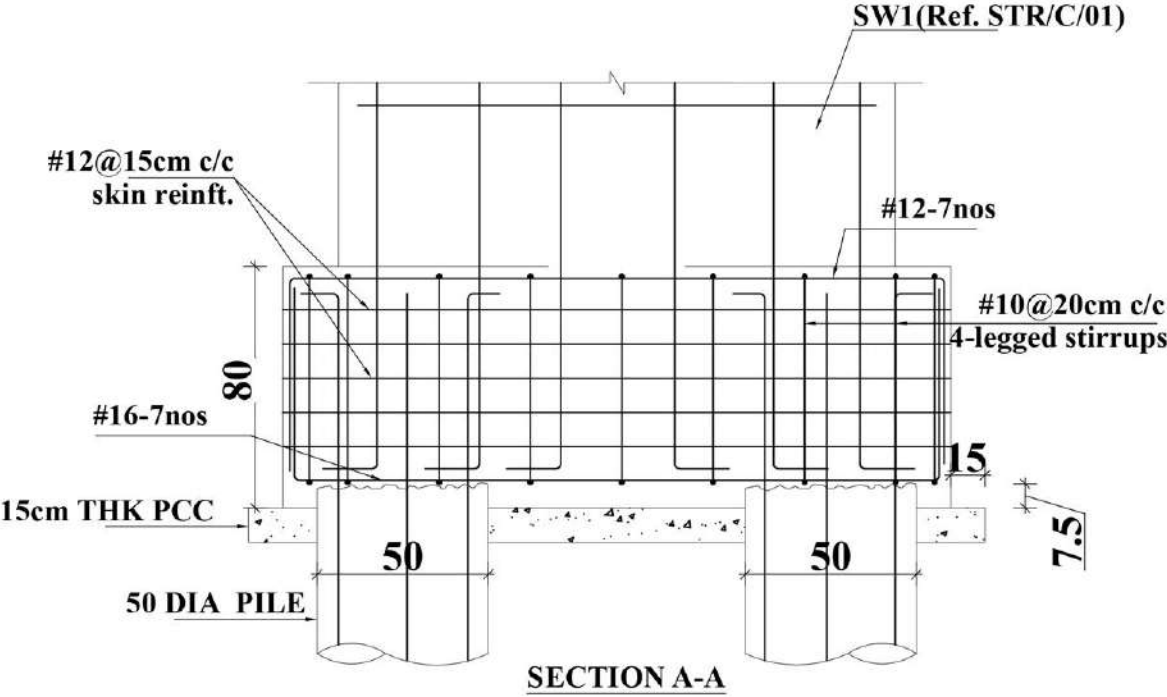
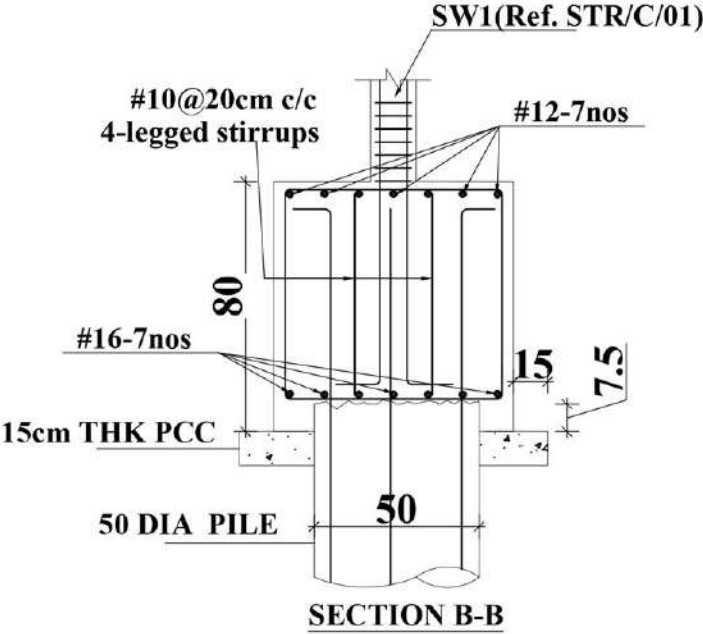
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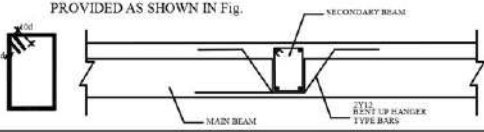
NOTE: USE M30 MIX FOR PILECAP




PILE CAP PLAN  
PILECAP : 2P50



1. ALL DIMENSIONS ARE IN CM UNLESS OTHERWISE SPECIFIED.	4. WATER CEMENT RATIO AS PER IS CODE	7. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION	11. HOOK LENGTH IN TIES SHOULD BE TEN TIMES DIAMETER OF TIES
2. READ ONLY WRITTEN DIMENSIONS UNLESS OTHERWISE SPECIFIED.	5. HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe-500 CONFORMING TO IS 1786 SHALL BE USED	8. LAP SPLICES SHALL BE PROVIDED ONLY IN THE CENTRAL HALF OF THE COLUMN LENGTH	12. WHERE EVER SECONDARY BEAMS IS RESTING ON MAIN BEAMS HANGER TYPE BARS SHOULD BE PROVIDED AS SHOWN IN FIG.
3. CLEAR COVER TO MAIN REINFORCEMENT	6. LAP LENGTH SHALL BE PROVIDED AS	9. IN BEAM, LAP SPLICES SHOULD NOT BE PROVIDED AT	
a) COLUMN = 40 mm	a) WITHIN A JOINT	a) WITHIN A JOINT	
b) PLINTHBEAM = 40 mm	b) WITHIN A DISTANCE OF TWO TIMES THE DEPTH OF BEAM FROM THE FACE OF SUPPORT	b) WITHIN A DISTANCE OF TWO TIMES THE DEPTH OF BEAM FROM THE FACE OF SUPPORT	
c) BEAM = 25mm	c) WITHIN A QUATER LENGTH OF THE MEMBER	c) WITHIN A QUATER LENGTH OF THE MEMBER	
d) SLAB = 15mm			
e) FOUNDATION = 50mm			
		10. SPACING OF TIES SHALL BE LESS THAN 150 mm WITHIN THE LENGTH OF SPLICING WHERE EVER SPLICING IS PROVIDED	



- MAIN BEAMS ARE DESIGNATED FROM SUPPORT TO SUPPORT.  
SECONDARY BEAMS ARE SUPPORTED ON OTHER MAIN BEAMS.
13. ENSURE WATER USED FOR CONCRETE IS OF ACCEPTABLE QUALITY.  
14. ENSURE PROPER COMPACTION AND CURING OF CONCRETE.  
15. USE M 25 CONCRETE AND Fe 500 STEEL UNLESS OTHERWISE SPECIFIED.  
16. USE ONLY DESIGN MIX FOR CONCRETE.

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PILE CAP DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					13
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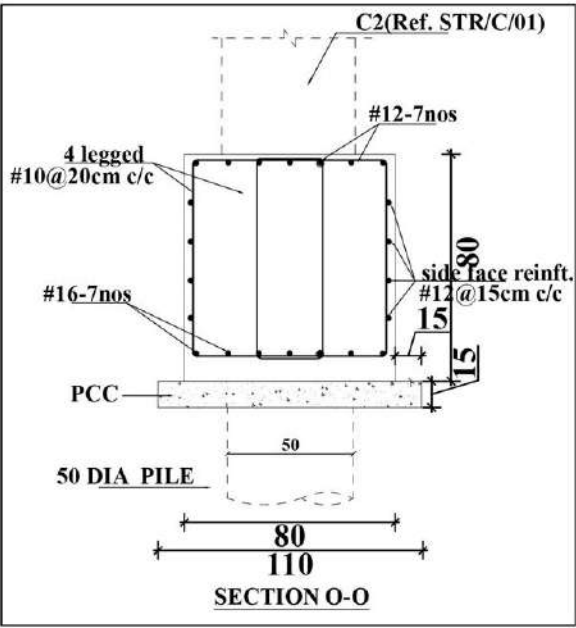
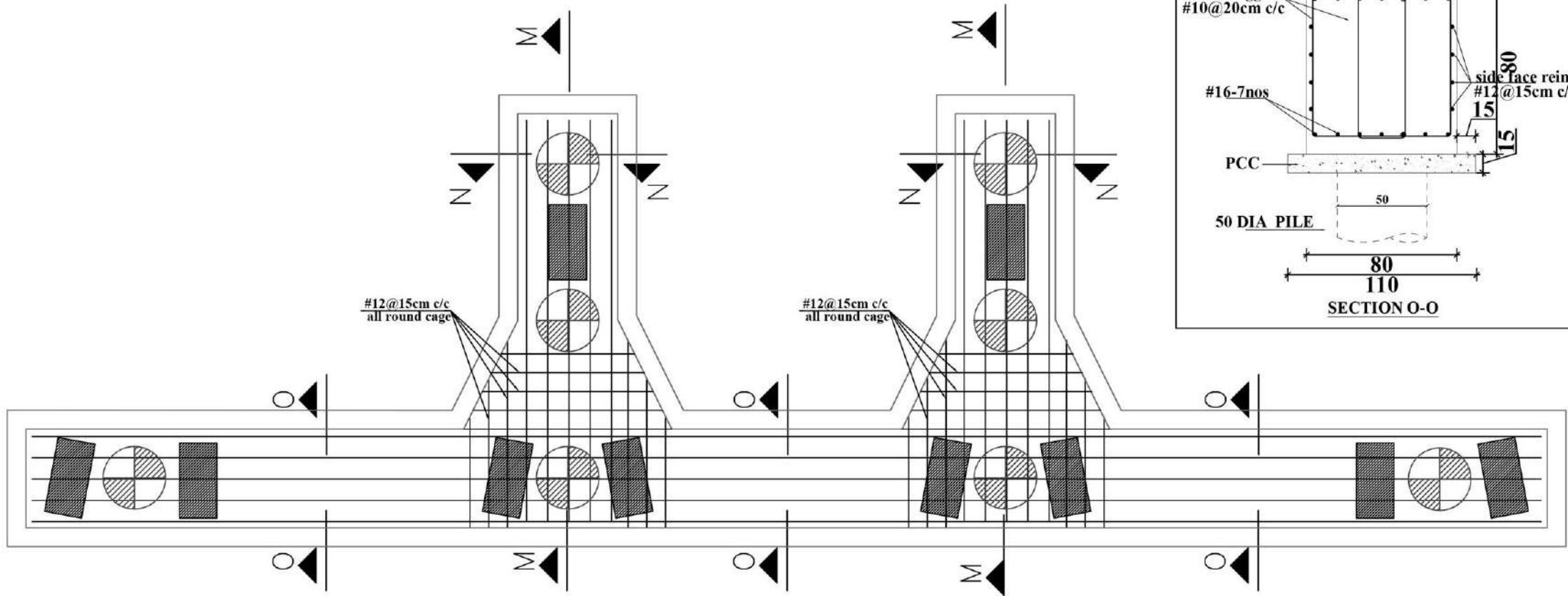
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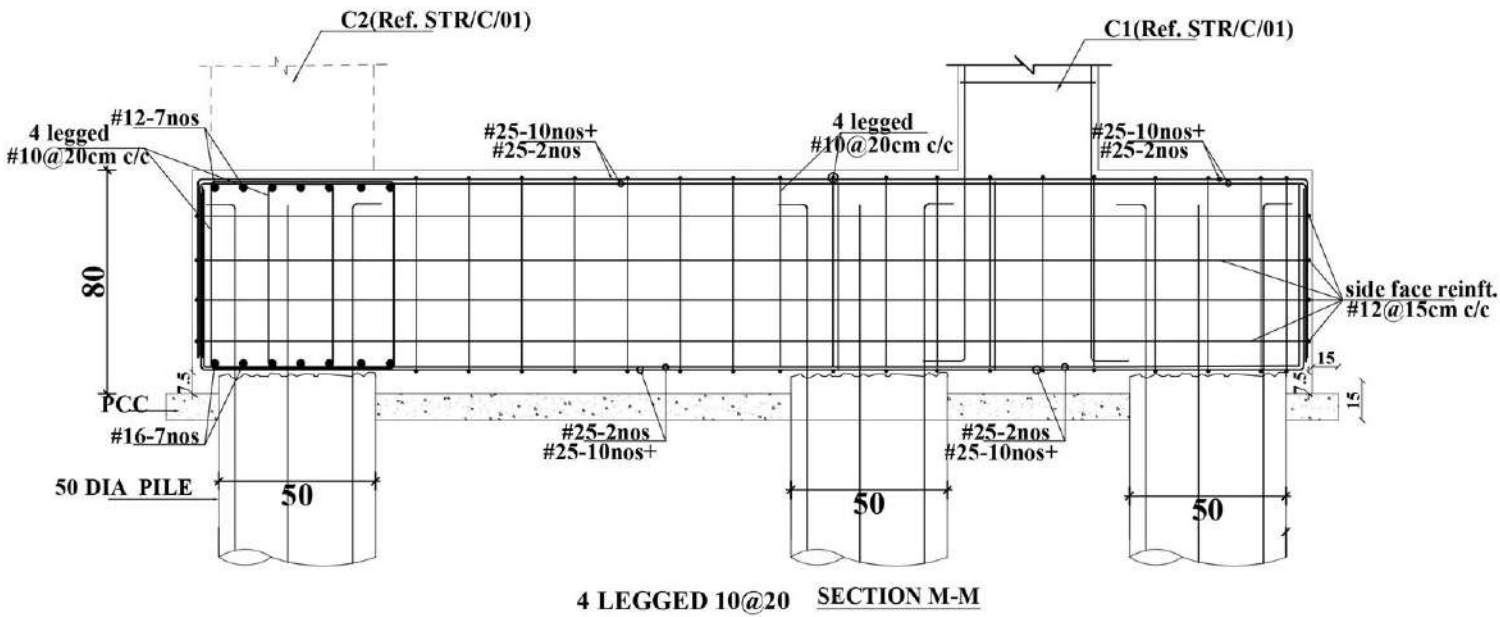
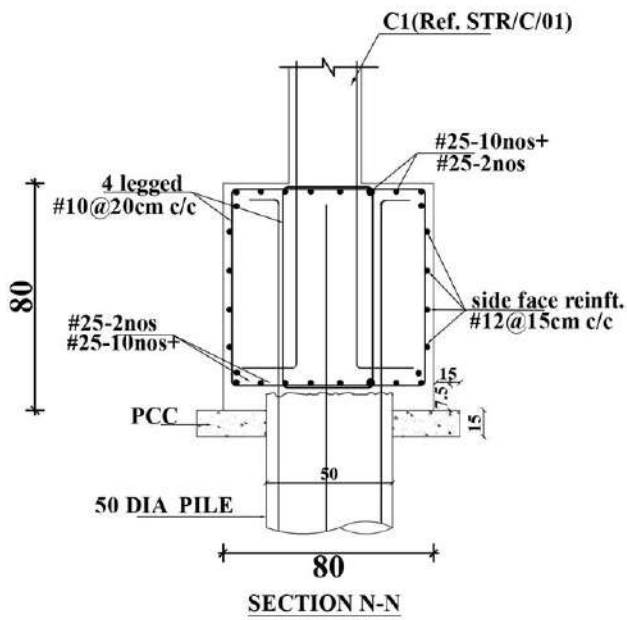
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NOTE: USE M30 MIX FOR PILECAP


PILE CAP PLAN  
PILECAP : 8P50



PILE CAP DETAIL

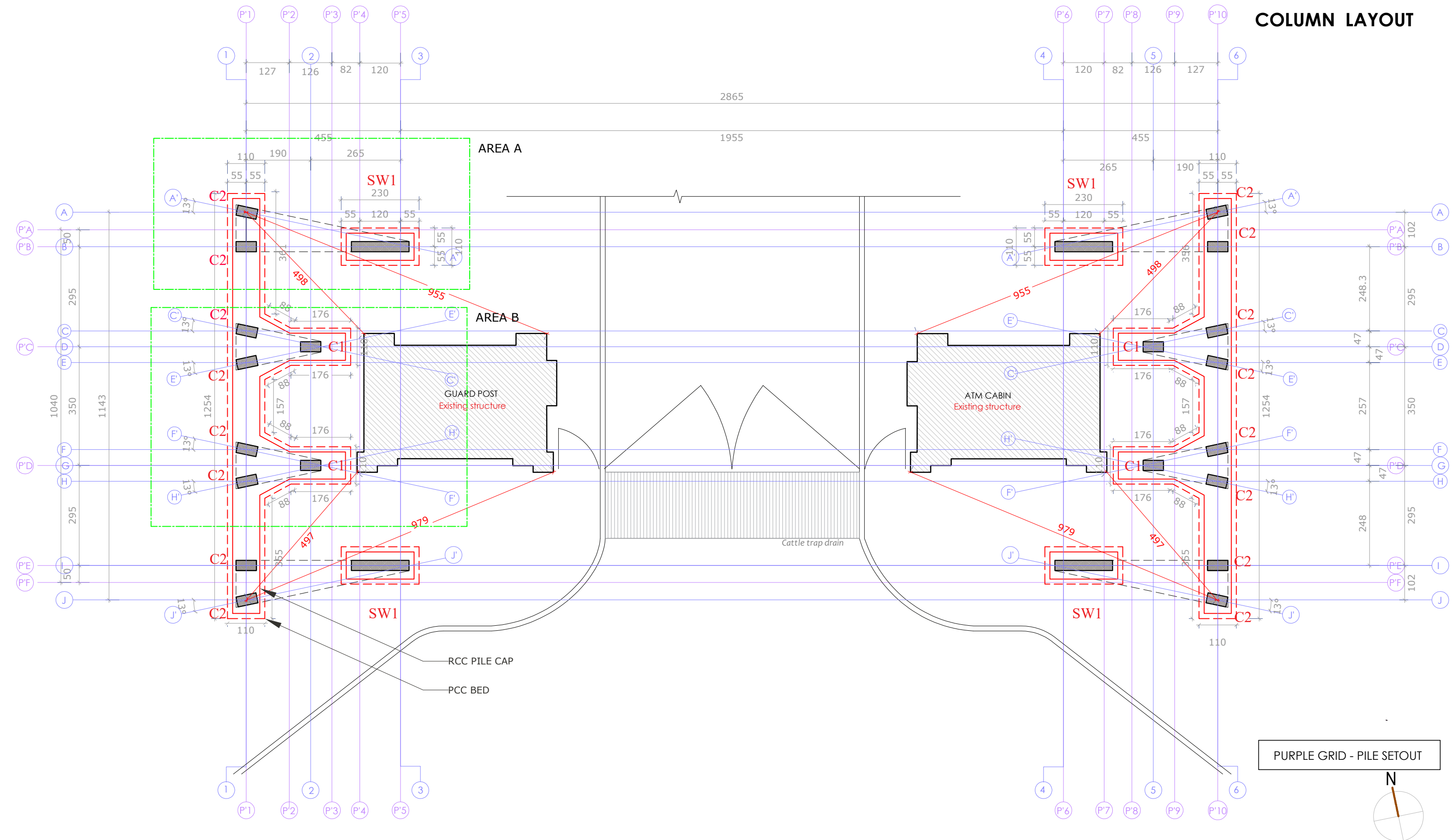



4 LEGGED 10@20 SECTION M-M

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PILE CAP DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					14
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## COLUMN LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COLUMN LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					15
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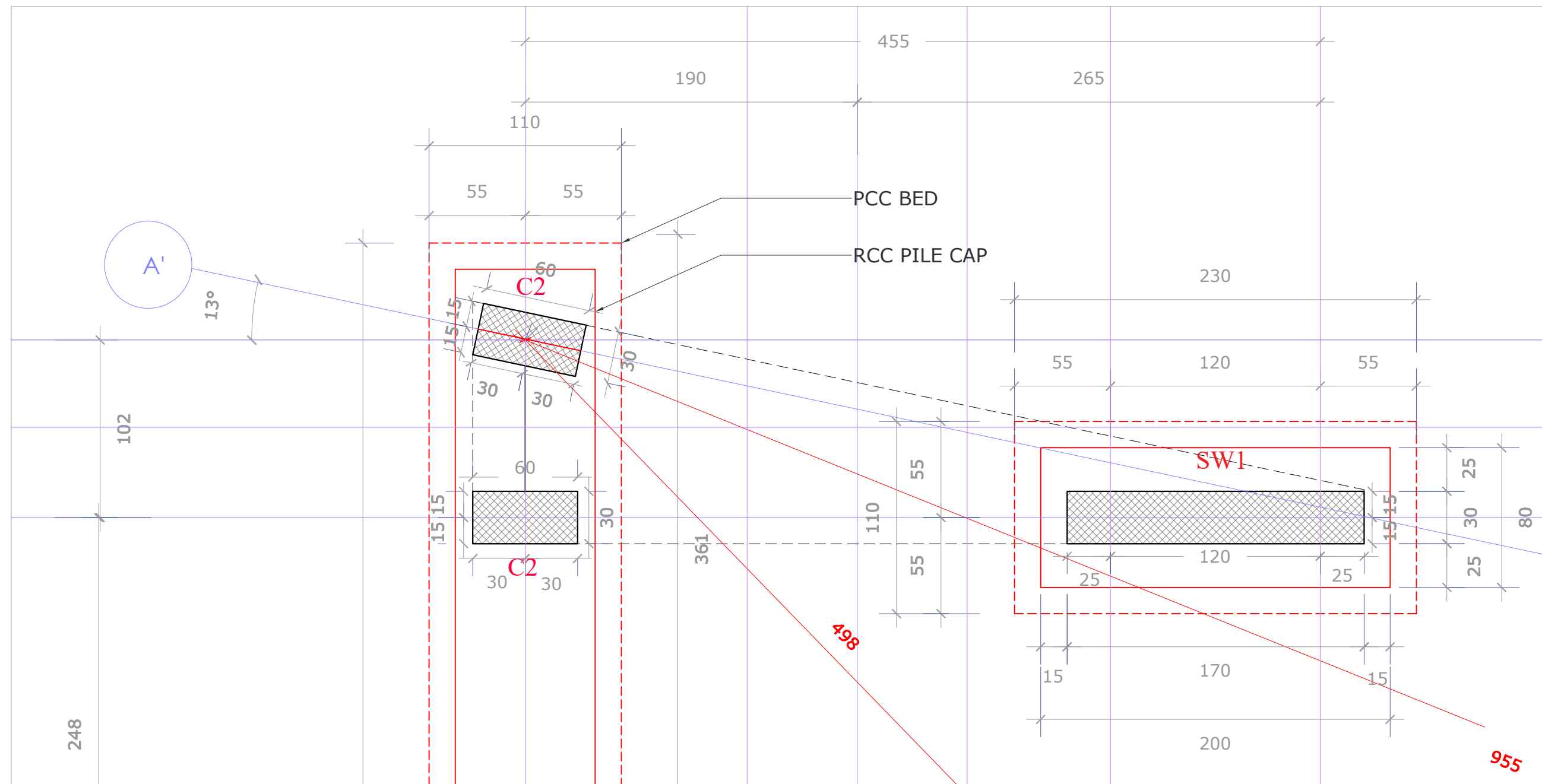
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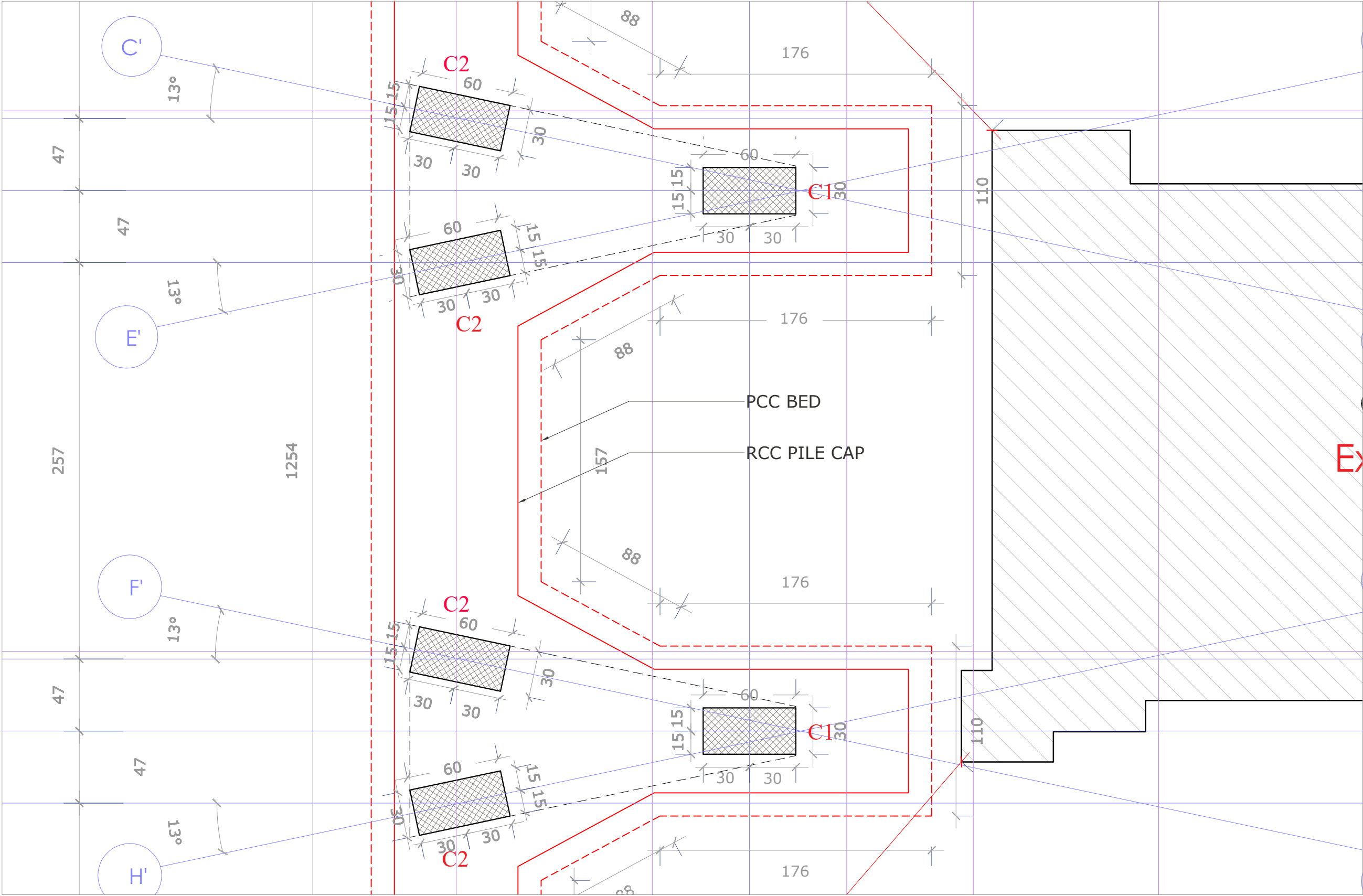


## COLUMN LAYOUT



## AREA A

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:25	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COLUMN LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					16
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AREA B

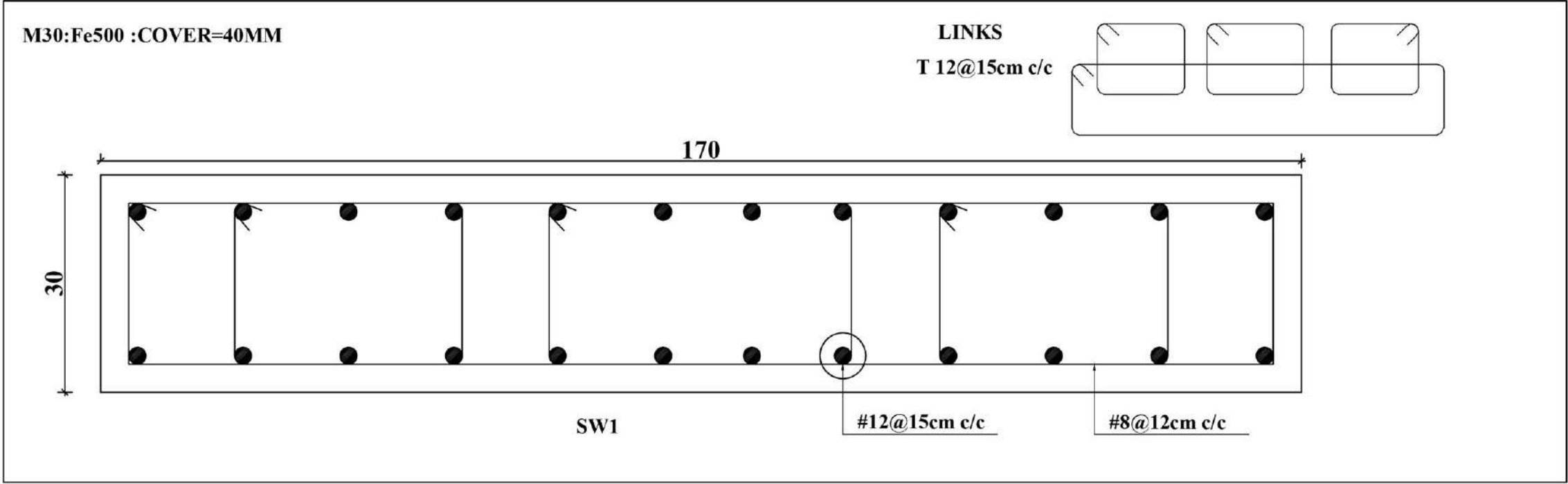
PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:25	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COLUMN LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					17
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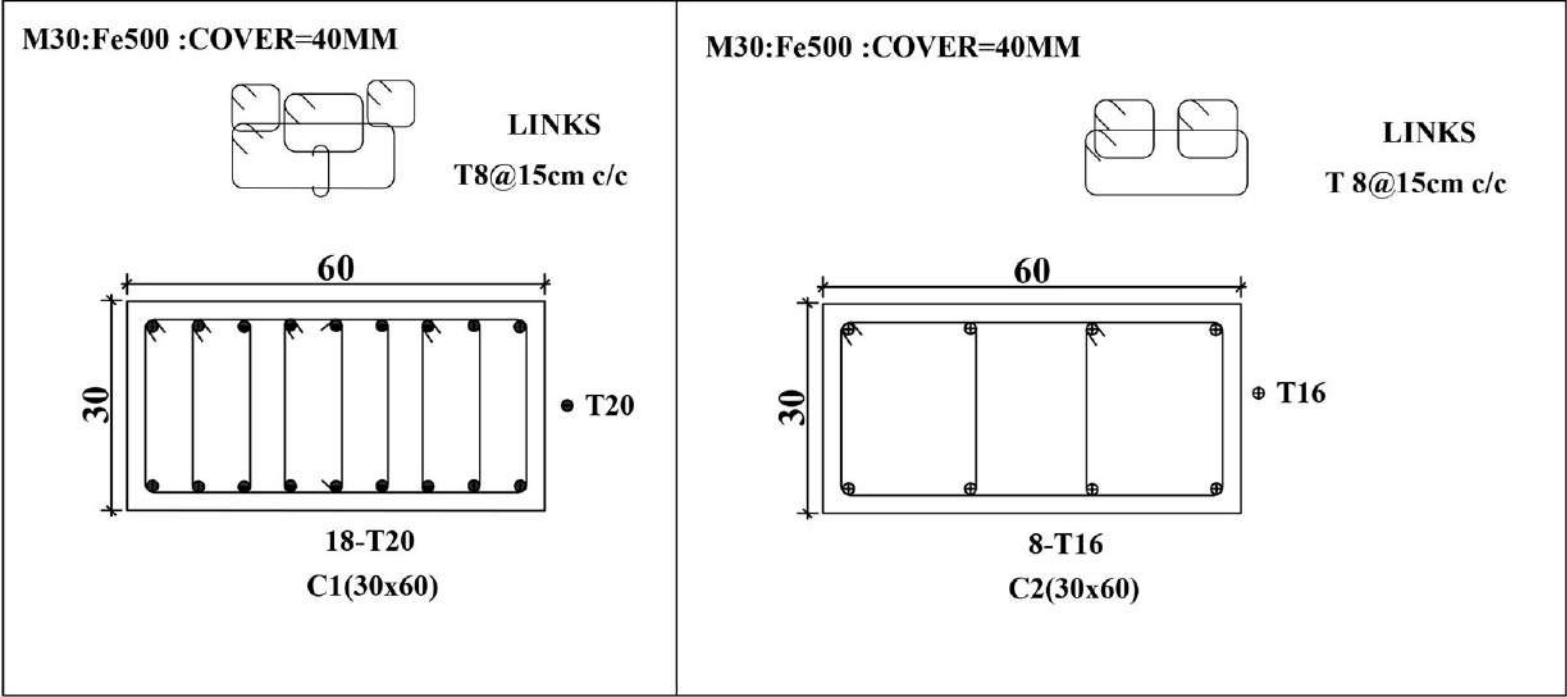
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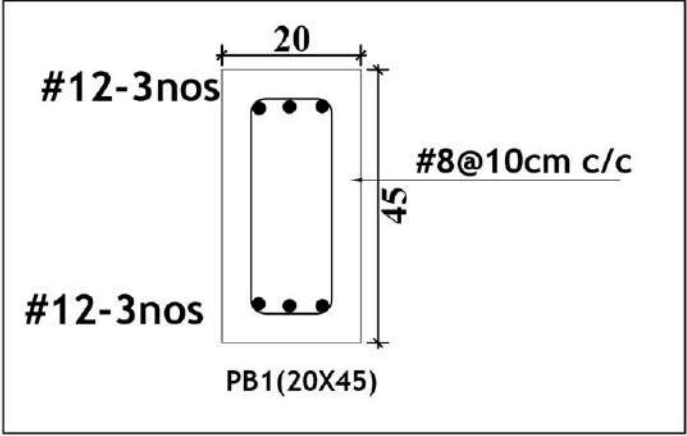
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COLUMN & SHEAR WALL DETAILS




USE M30 CONCRETE & Fe500 STEEL



LEGEND



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COLUMN DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div> cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div>	PROJECT ARCHITECT	VISAKH. S	DATE	30 06 2025					18
			B Arch	REVISION /DATE						
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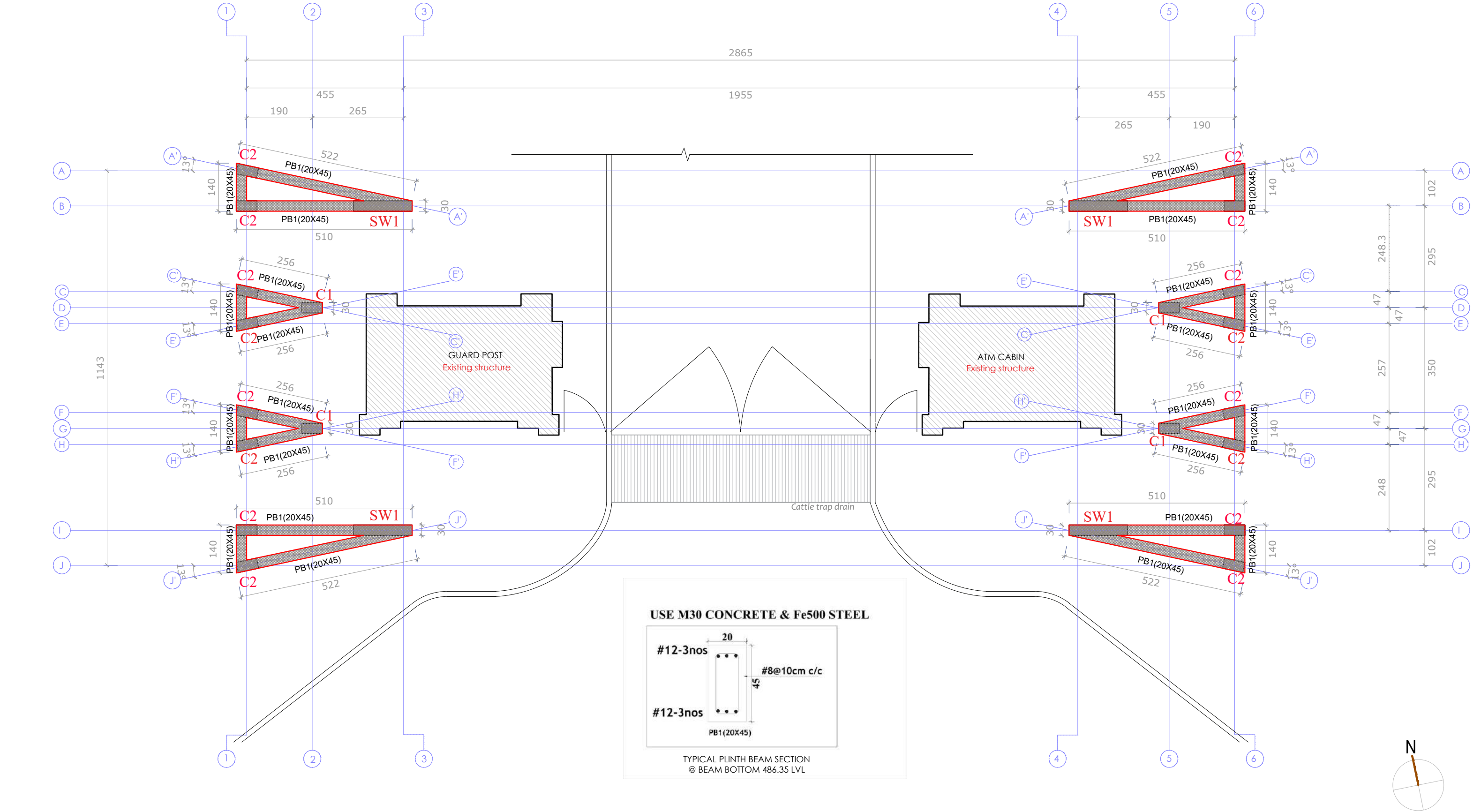
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PLINTH BEAM LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PLINTH BEAM LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala</div><div>+91 7994957444 +91 9447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					19
				REVISION /DATE						
				DESCRIPTION						

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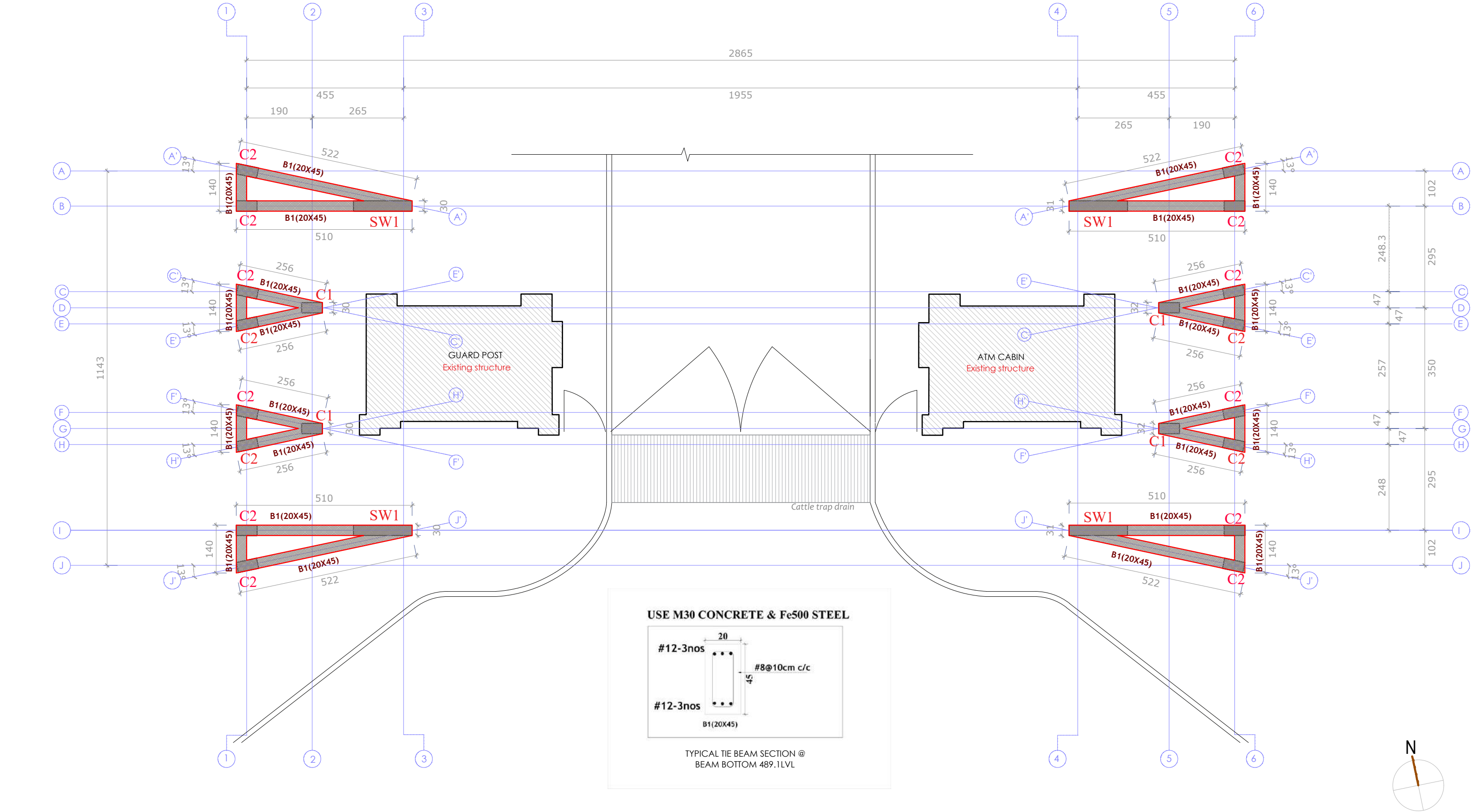
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TIE BEAM LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	TIE BEAM LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					20
				REVISION /DATE						
				DESCRIPTION						

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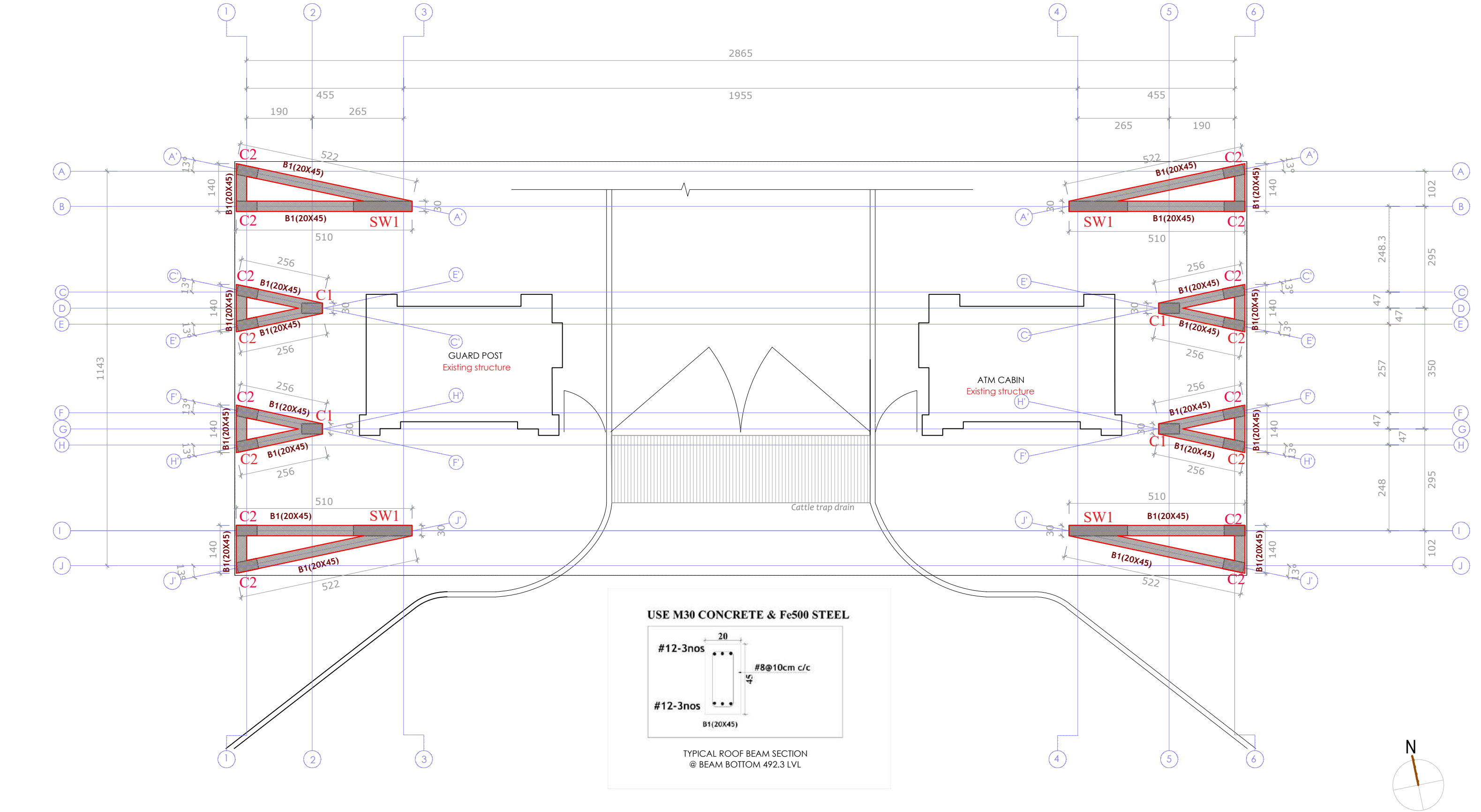
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ROOF BEAM LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO  21
CLIENT	IISER TVM	DRAWING	ROOF BEAM LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div>KAAYV architecture cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					
				REVISION /DATE						
				DESCRIPTION						

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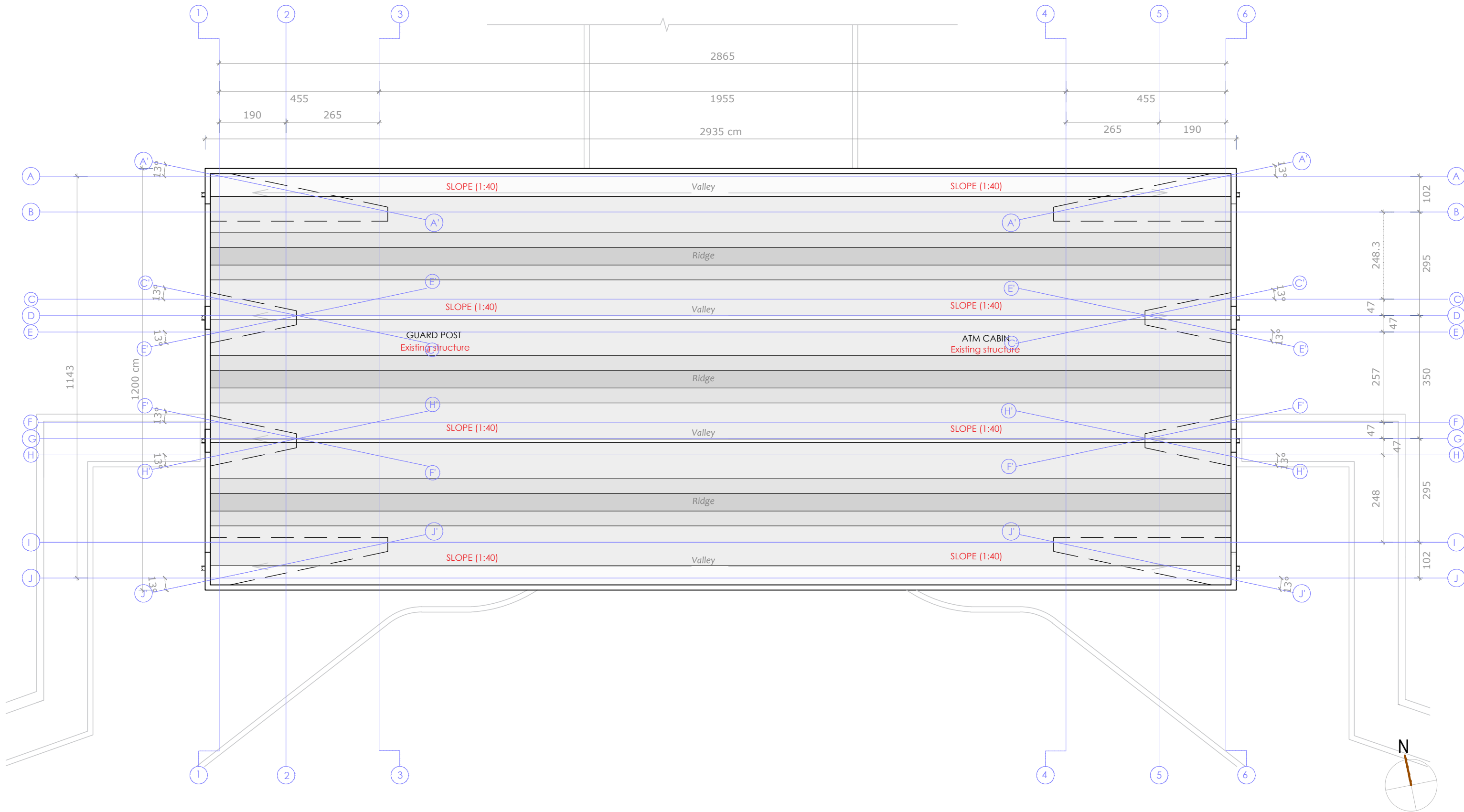
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ROOF SLAB LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	ROOF SLAB LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					22
				REVISION /DATE						
				DESCRIPTION						

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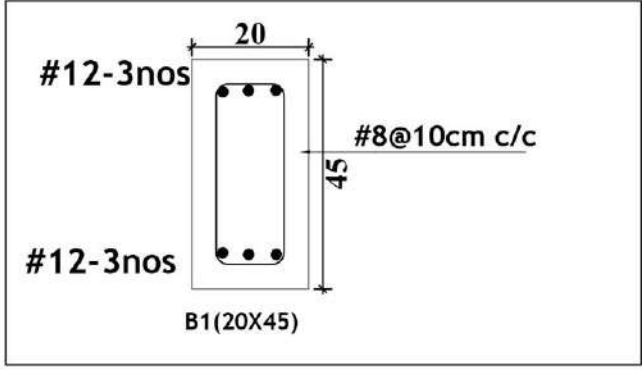
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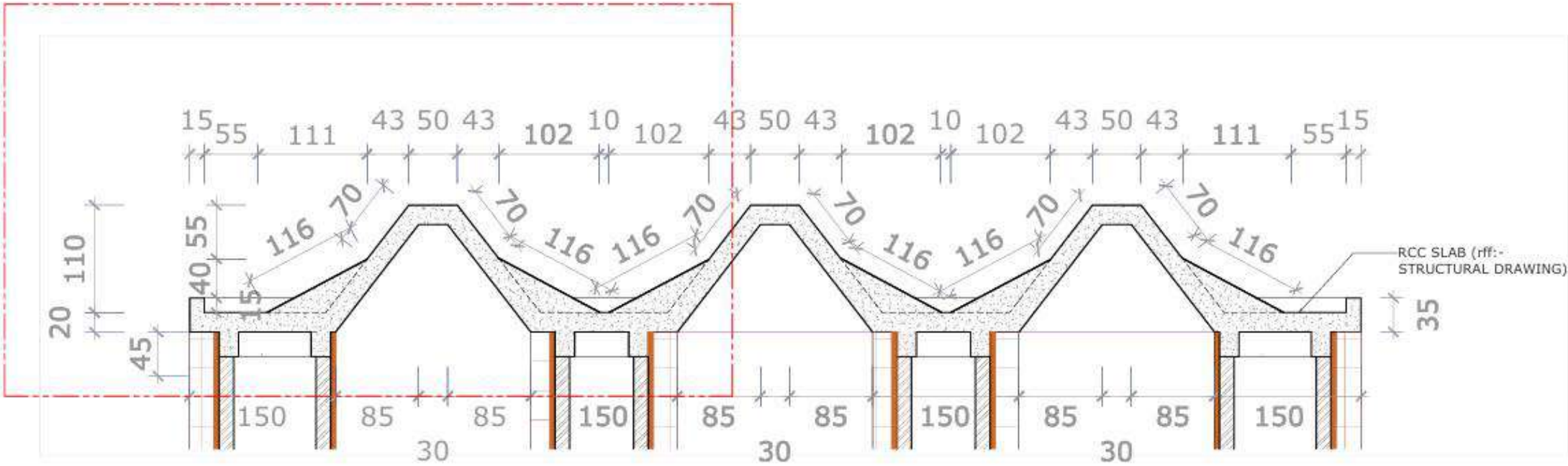
REGION A

BEAM & SLAB DETAIL

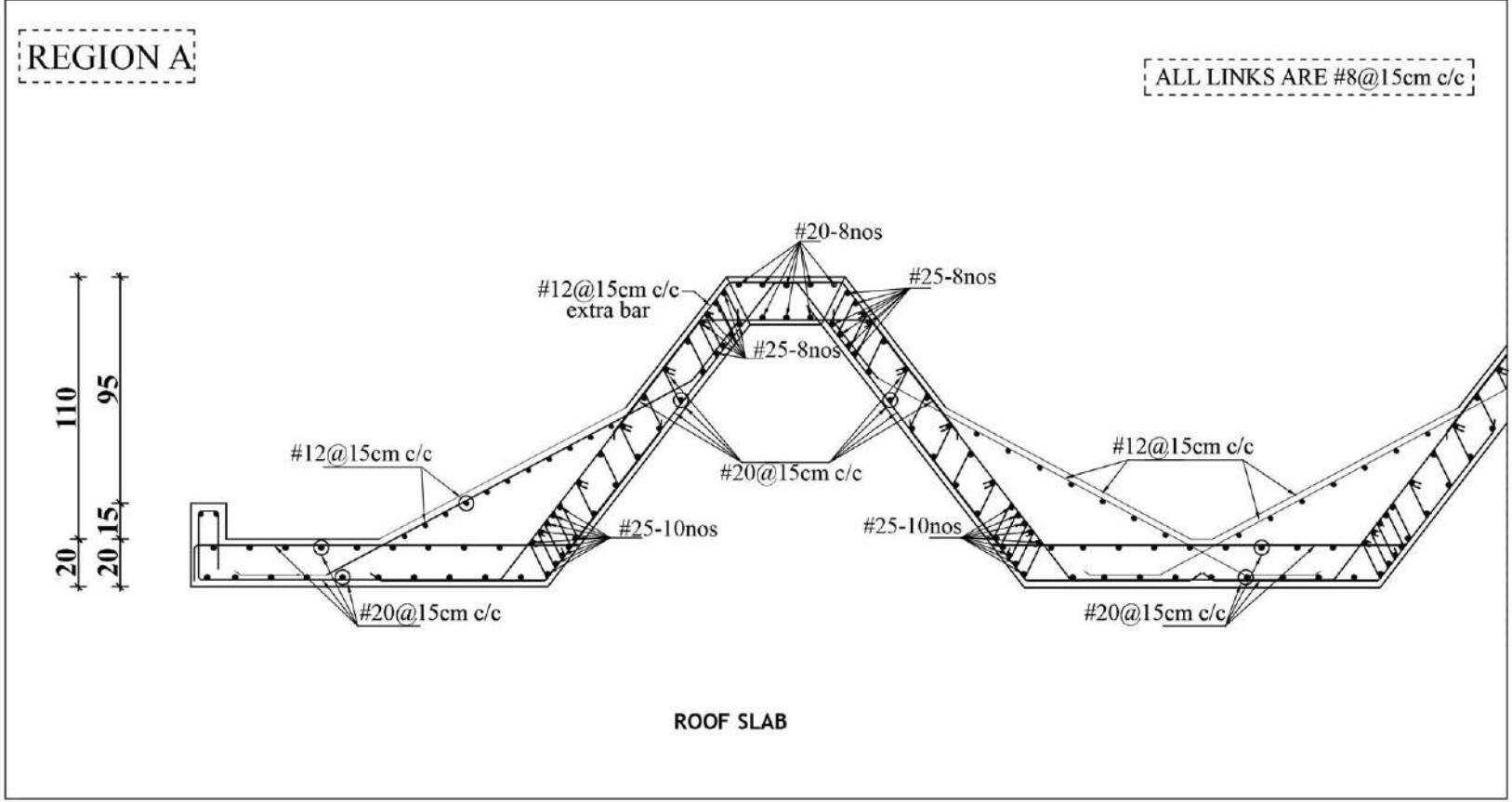
USE M30 CONCRETE & Fe500 STEEL




LEGEND



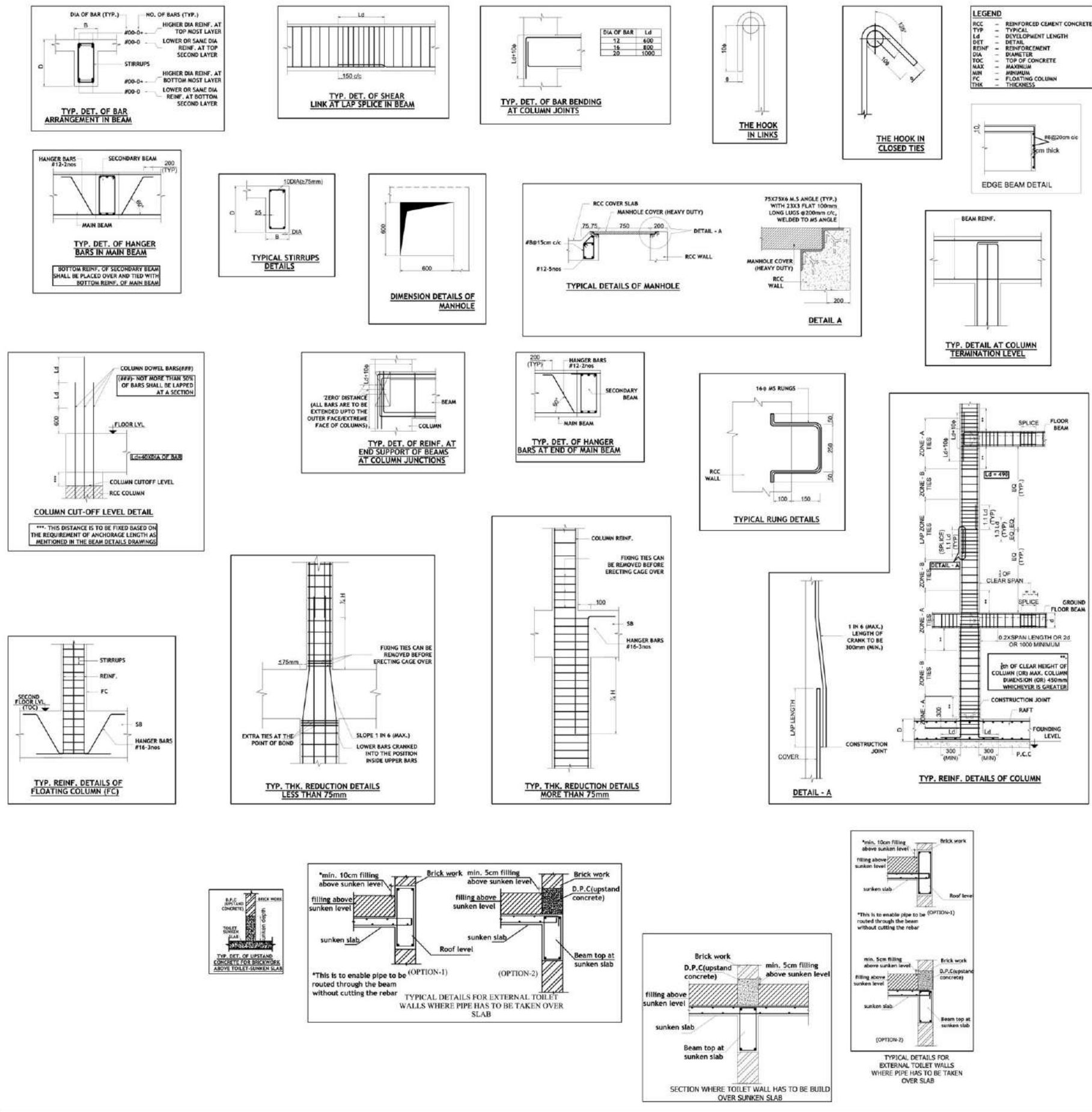
USE M30 CONCRETE & Fe500 STEEL




PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	BEAM AND SLAB DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					23
				REVISION /DATE						
				DESCRIPTION						

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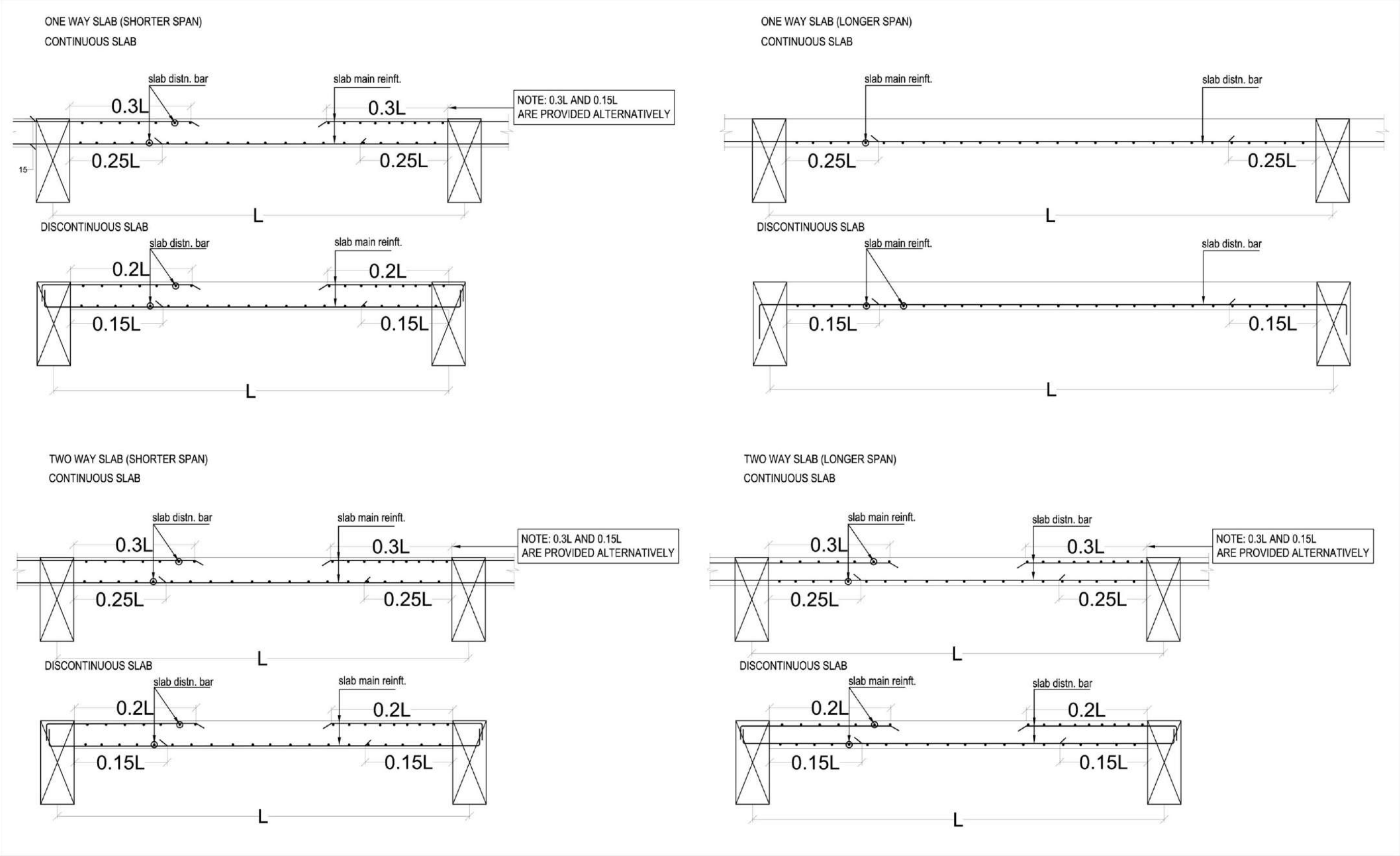
## GENERAL DETAIL




PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	GENERAL DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><p>cotton Hill Road Vazhuthacaud Tvm -14 Kerala +91 7994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com</p></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					24
			REVISION /DATE							
			DESCRIPTION							

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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	GENERAL DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div> cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					25
				REVISION /DATE						
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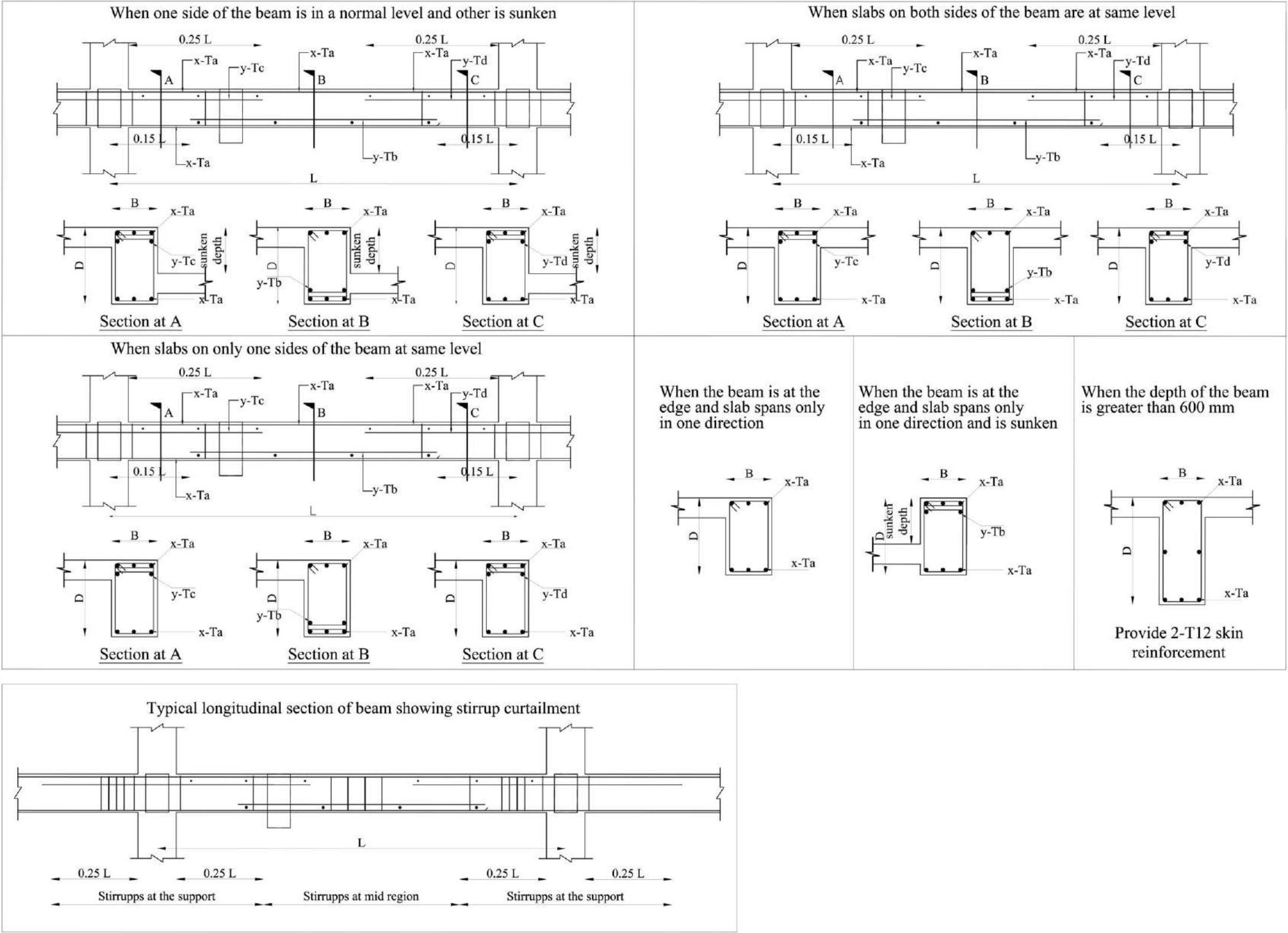
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TYPICAL CROSS SECTIONS OF BEAMS UNDER DIFFERENT CONDITIONS



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	GENERAL DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavvarchitecture.com www.kaavvarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					26
				REVISION /DATE						
				DESCRIPTION						

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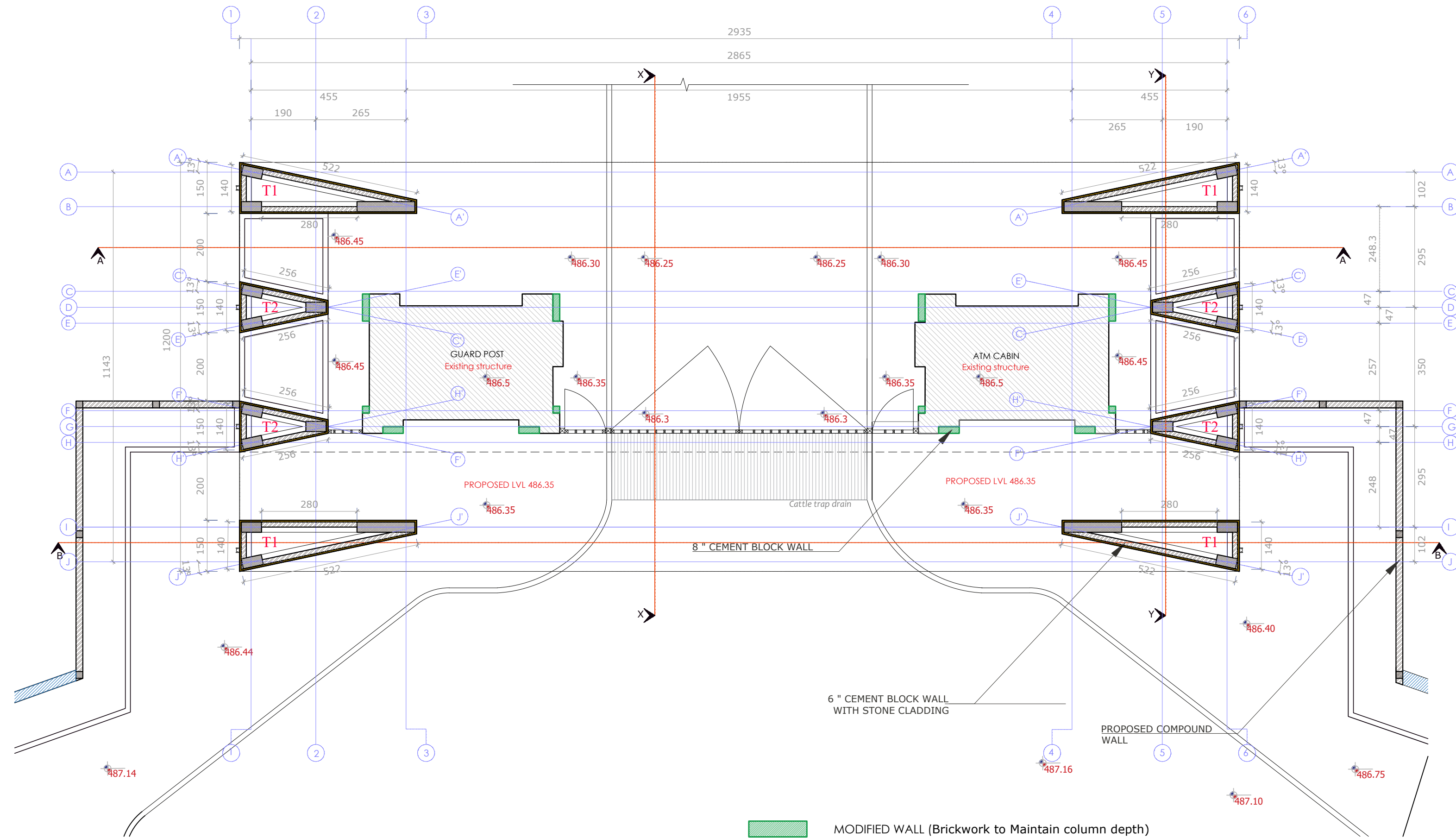
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BRICK WORK LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO  27
CLIENT	IISER TVM	DRAWING	BRICK WORK LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala</div><div>+91 7994957444 +91 9447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div><div>PROJECT ARCHITECT</div><div>VISAKH. S</div><div>B Arch</div><div>Reg No: CA/2012/54721</div></div>			DATE	30 06 2025					
				REVISION /DATE						
				DESCRIPTION						

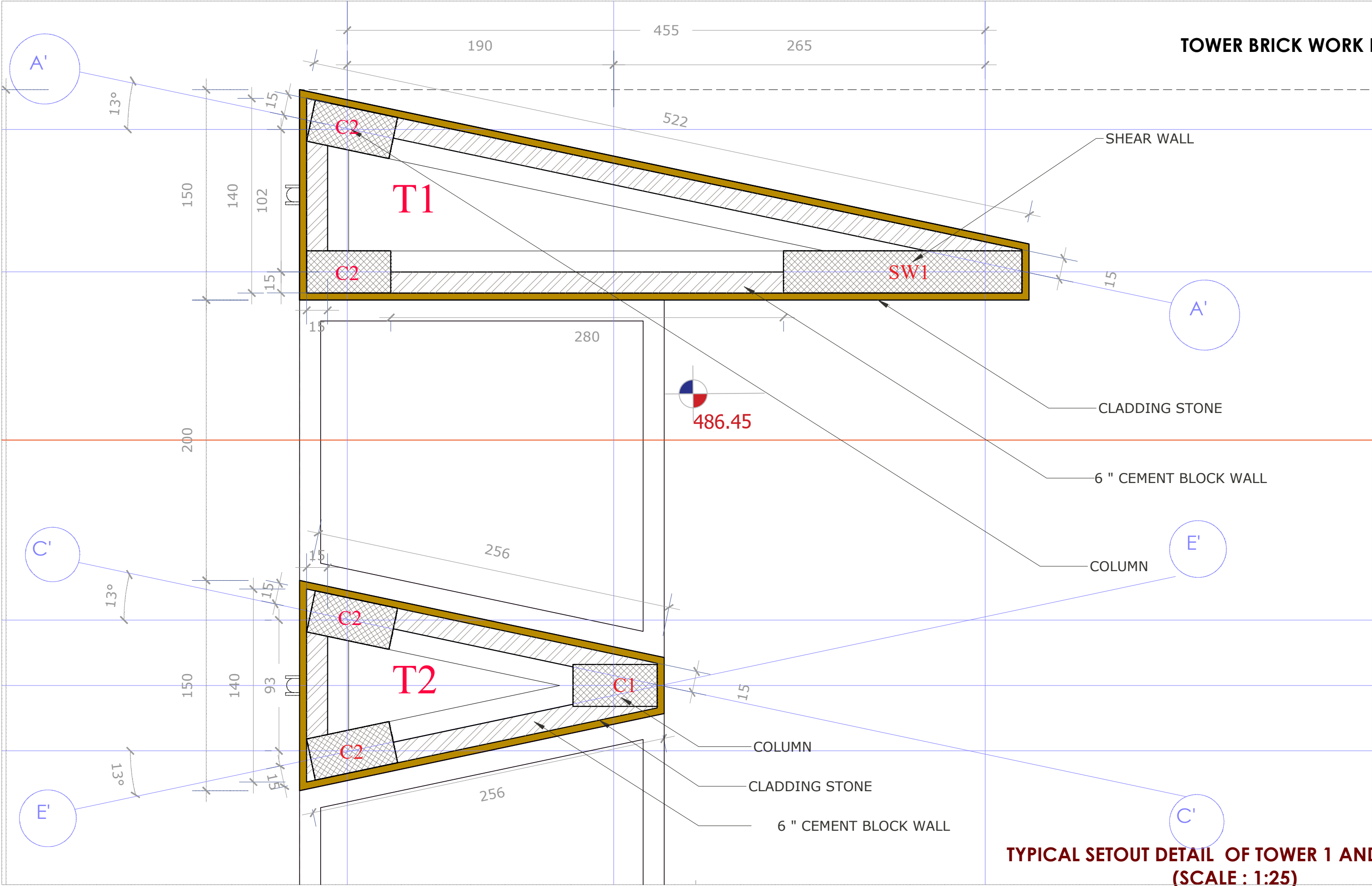
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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:25	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	TOWER BRICK WORK DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					28
				REVISION /DATE						
				DESCRIPTION						

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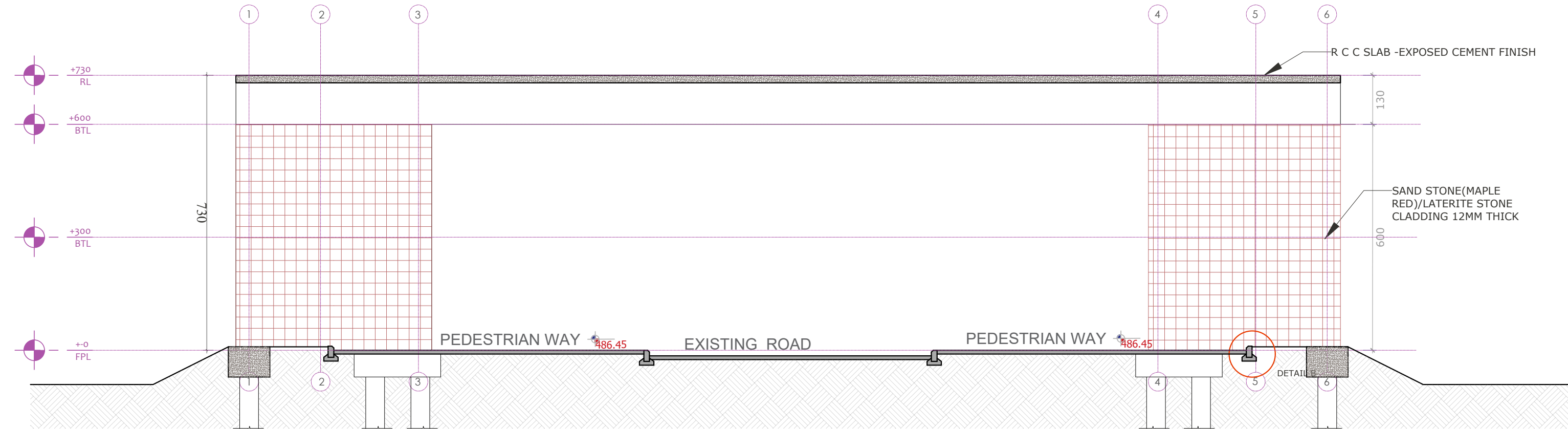
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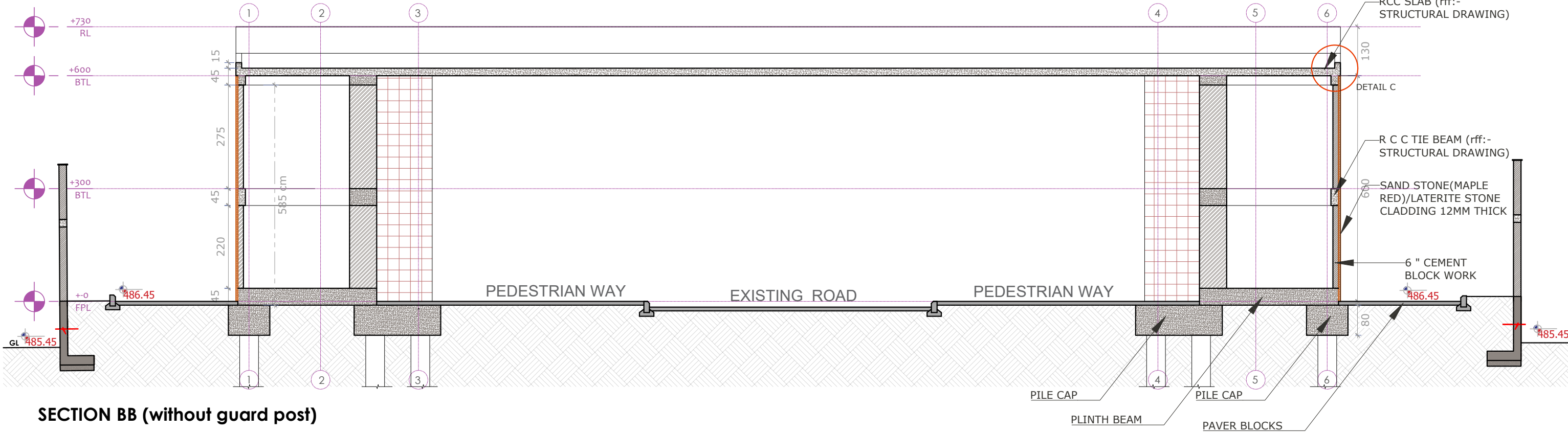
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SECTIONS



SECTION AA (without guard post)



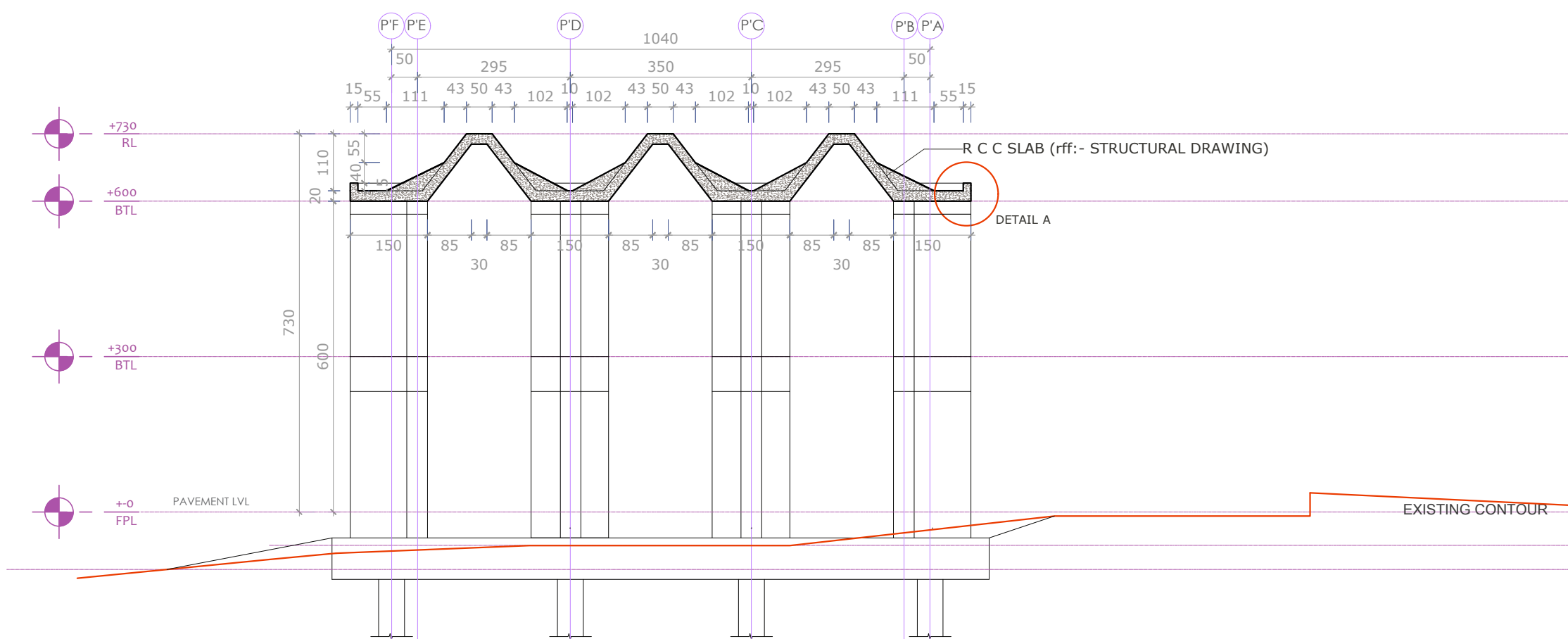
SECTION BB (without guard post)

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	SECTIONS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					29
				REVISION /DATE						
				DESCRIPTION						

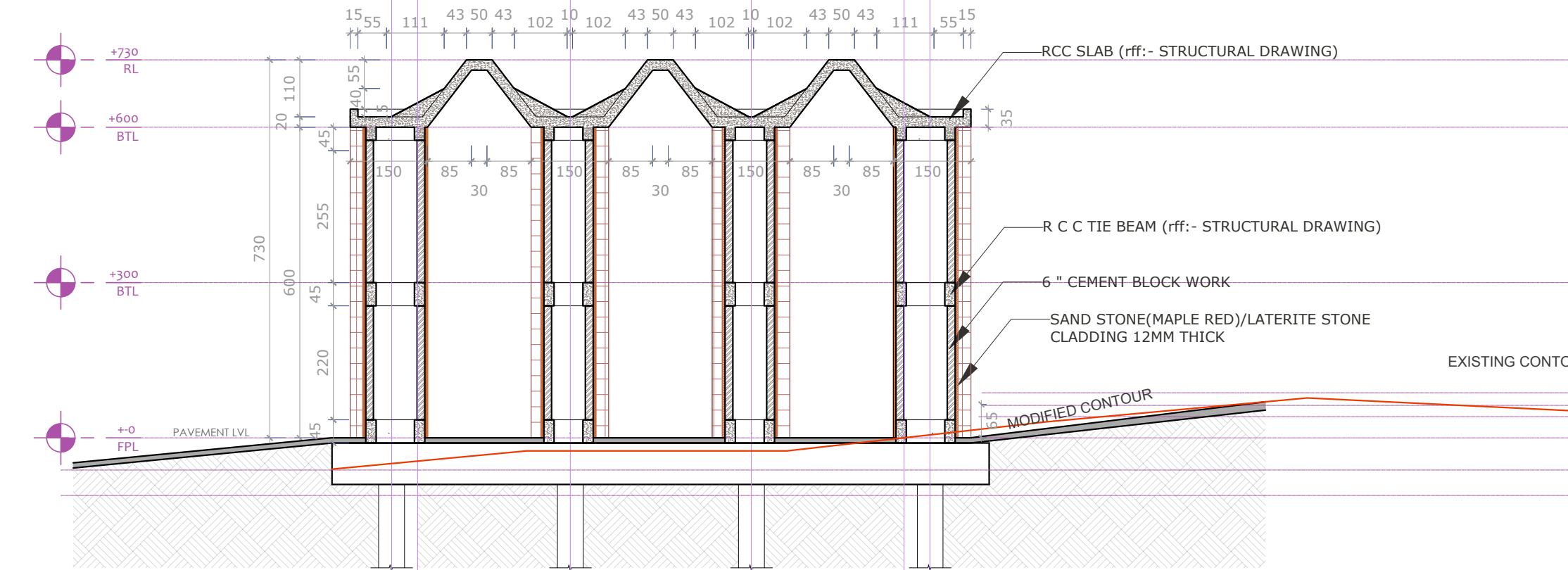
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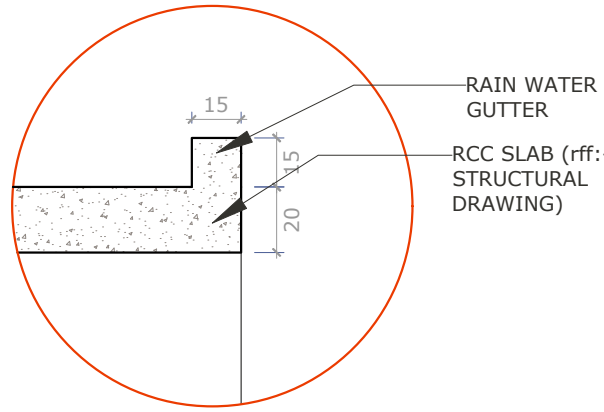
SECTIONS



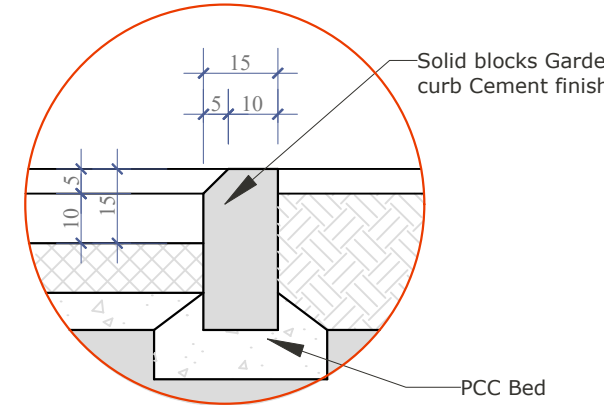
SECTION XX (without guard post)



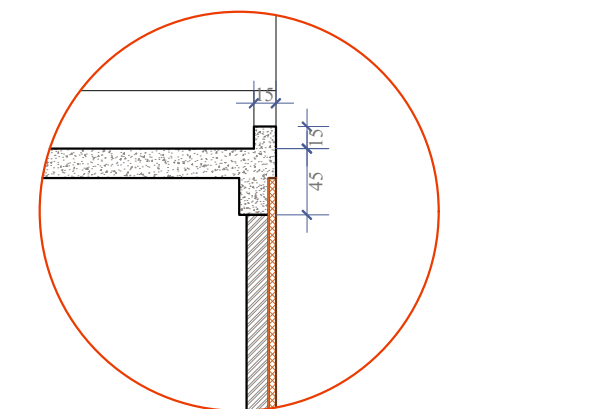
SECTION YY (without guard post)




DETAIL A



TYPICAL SECTION\_KERB STONE (DETAIL B)



ROOF EDGE (DETAIL C)

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	SECTIONS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					30
				REVISION /DATE						
				DESCRIPTION						

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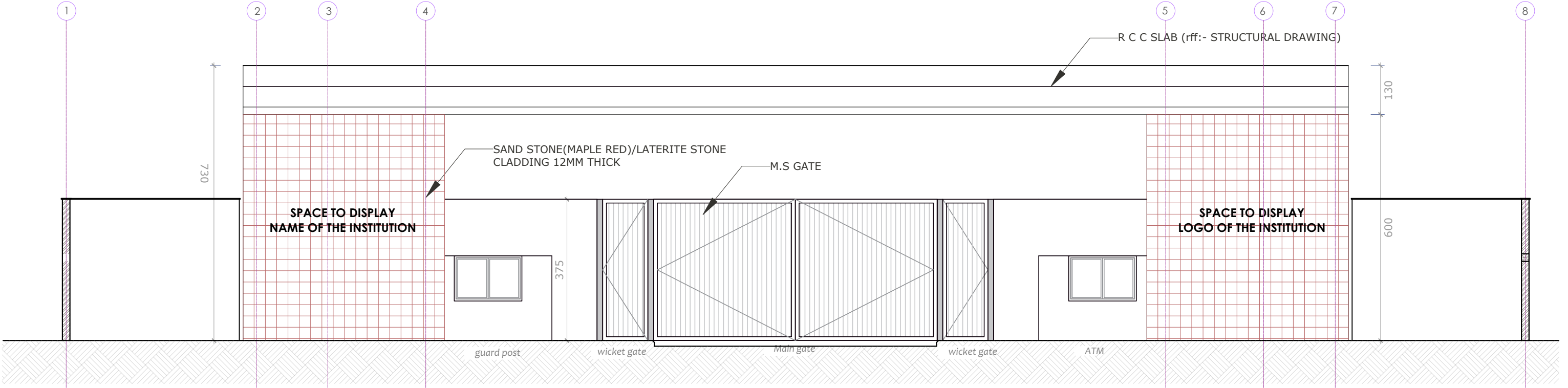
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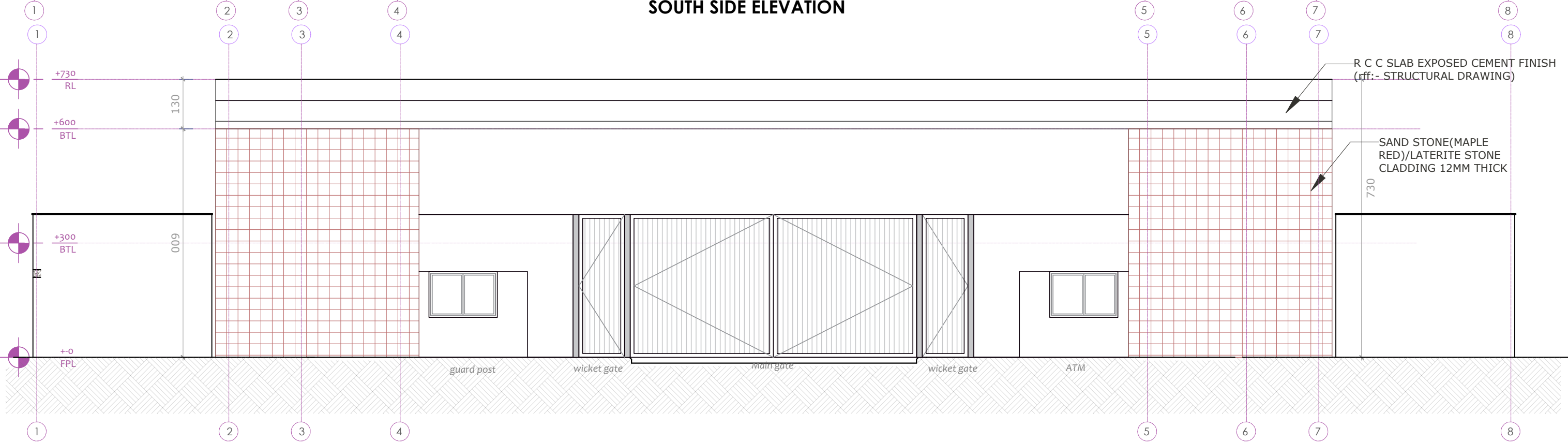
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ELEVATIONS



SOUTH SIDE ELEVATION

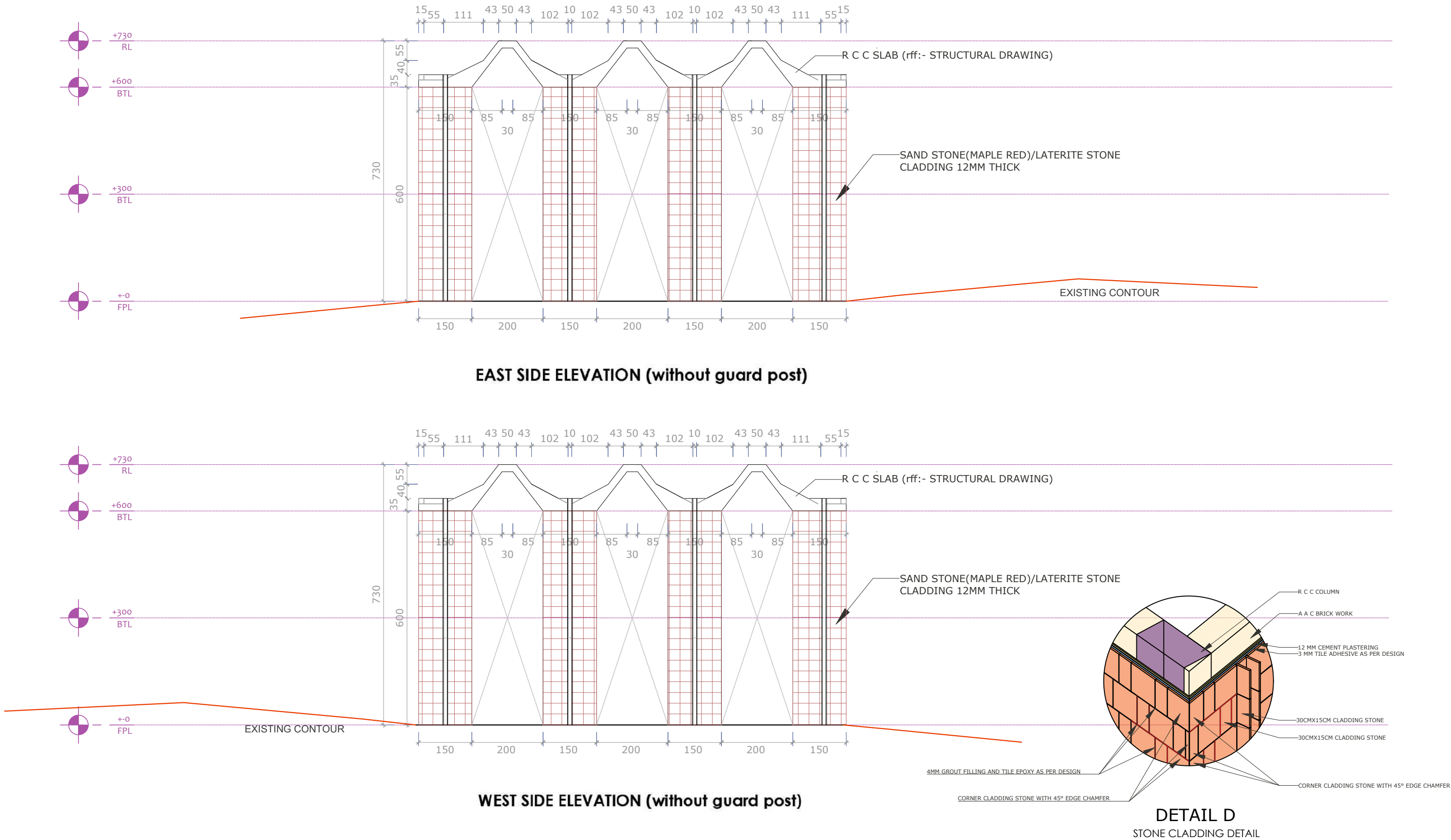


NORTH SIDE ELEVATION

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	ELEVATIONS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div><div><div>KAAYV</div><div>architecture</div></div><div>cotton Hill Road Vazhuthacaud Tvm -14 Kerala +91 7994957444 +919447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div></div>	PROJECT ARCHITECT	VISAKH. S	DATE	30 06 2025					31
			B Arch	REVISION /DATE						
			Reg No: CA/2012/54721	DESCRIPTION						

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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO  32
CLIENT	IISER TVM	DRAWING	ELEVATIONS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div>KAAYV architecture cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					
				REVISION /DATE						
				DESCRIPTION						

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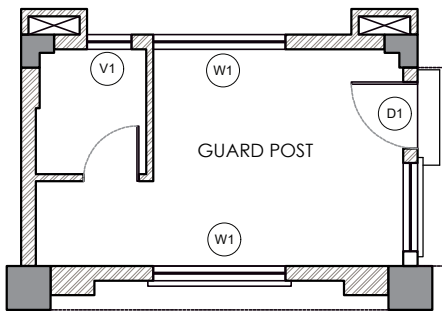
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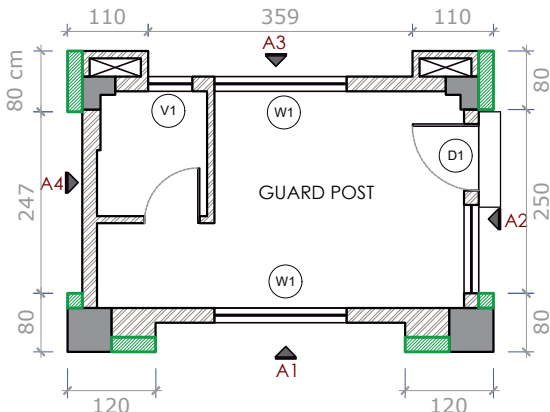
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GARD POST AND ATM ALTERATION

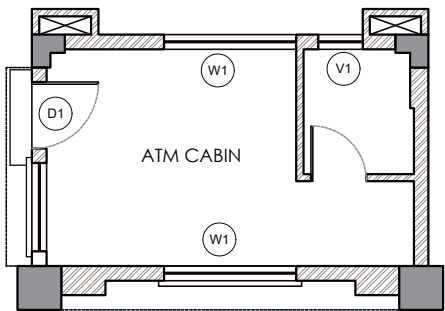


EXISTING PLAN -GUARD POST

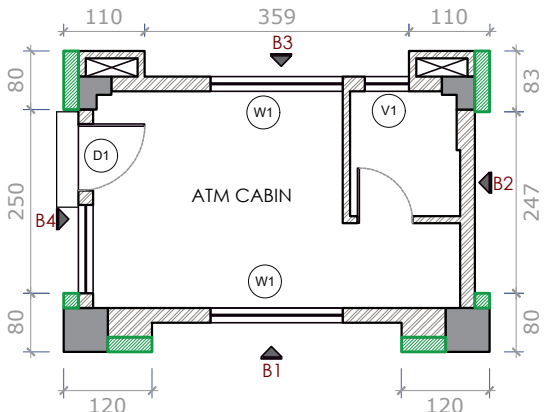


MODIFIED PLAN -GUARD POST

MODIFIED WALL (Brickwork to Maintain column depth)

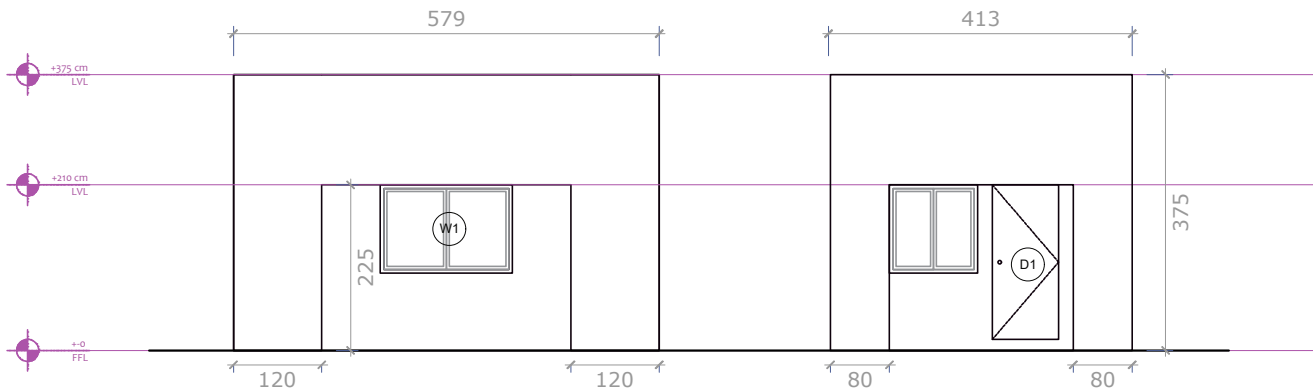


EXISTING PLAN -ATM CABIN



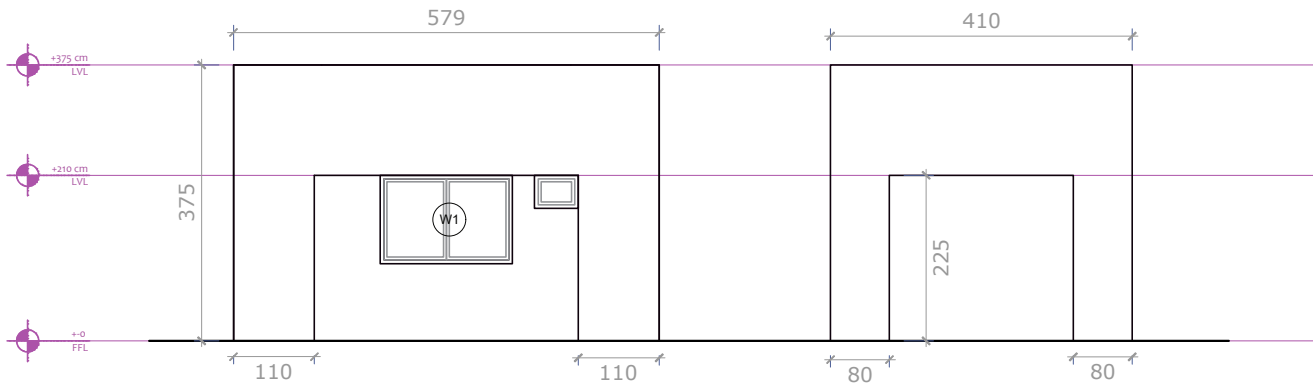
MODIFIED PLAN -ATM CABIN

MODIFIED WALL (Brickwork to Maintain column depth)



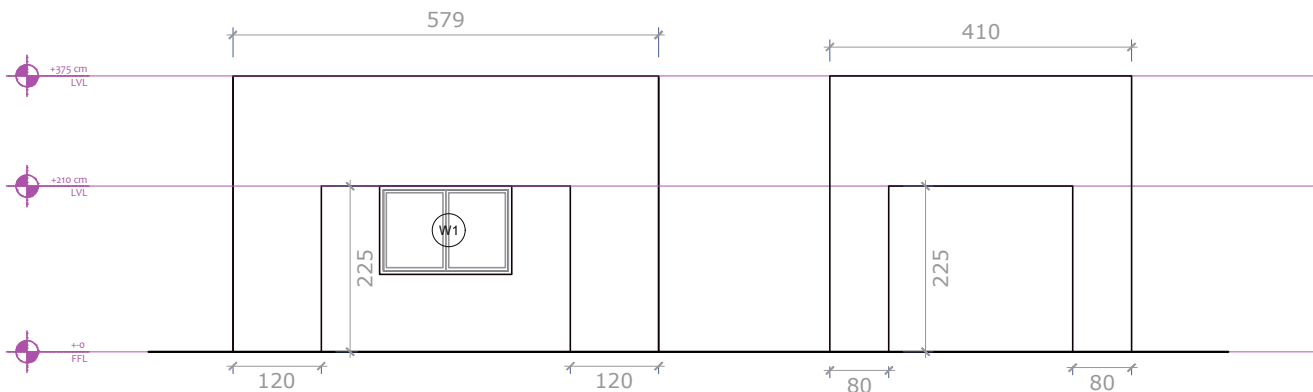
ELEVATION A1

ELEVATION A2



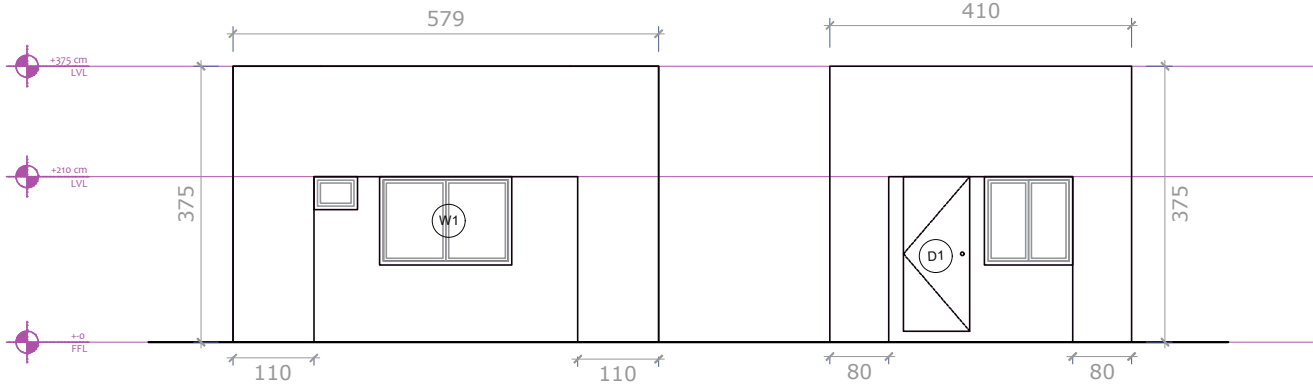
ELEVATION A3

ELEVATION A4




ELEVATION B1

ELEVATION B2



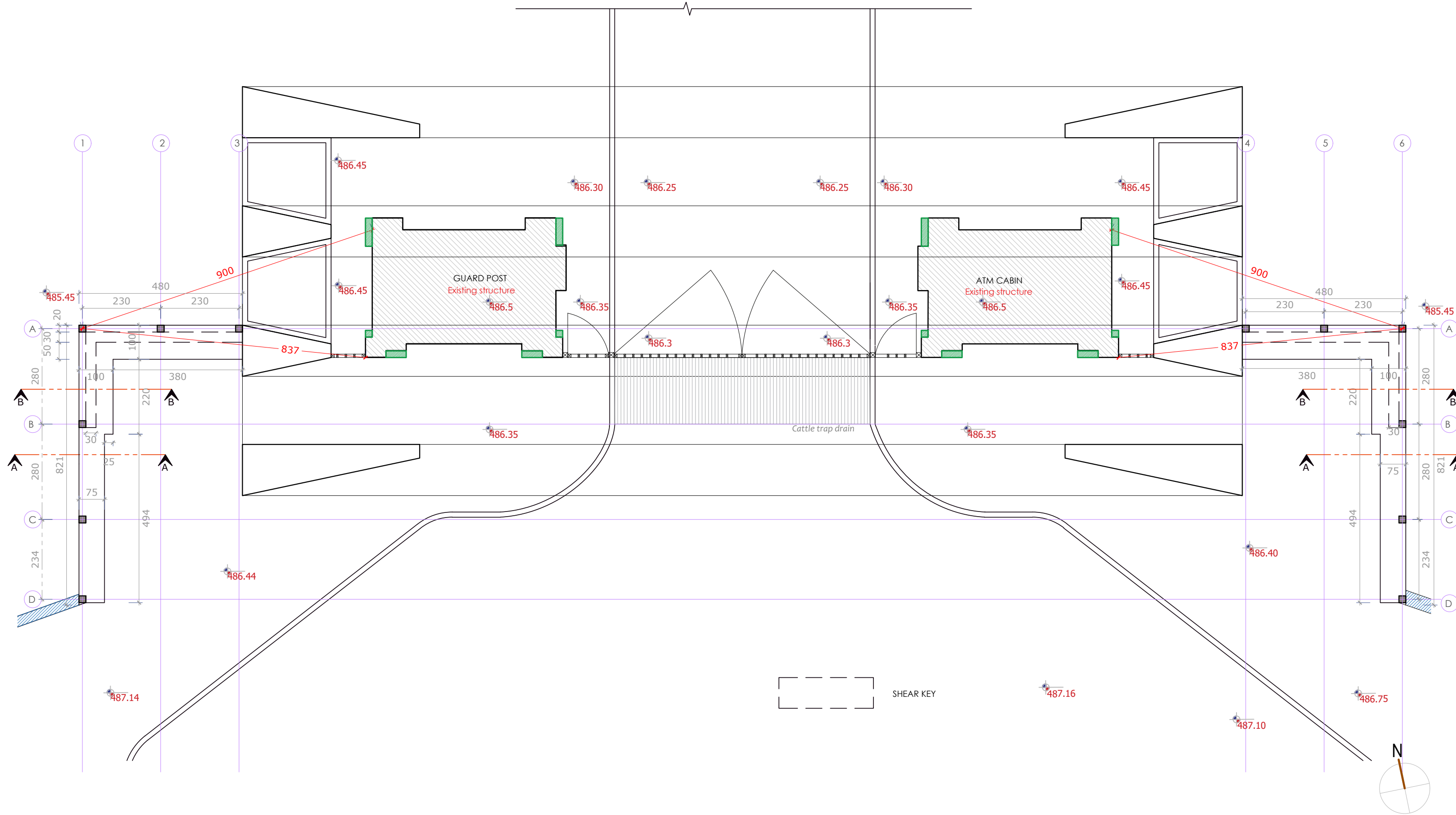
ELEVATION B3

ELEVATION B4

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO  33
CLIENT	IISER TVM	DRAWING	GARD POST AND ATM ALTERATION			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com			PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025			
						REVISION /DATE				
						DESCRIPTION				

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COMPOUND WALL SETOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COMPOUND WALL SETOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala</div><div>+91 7994957444 +91 9447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					34
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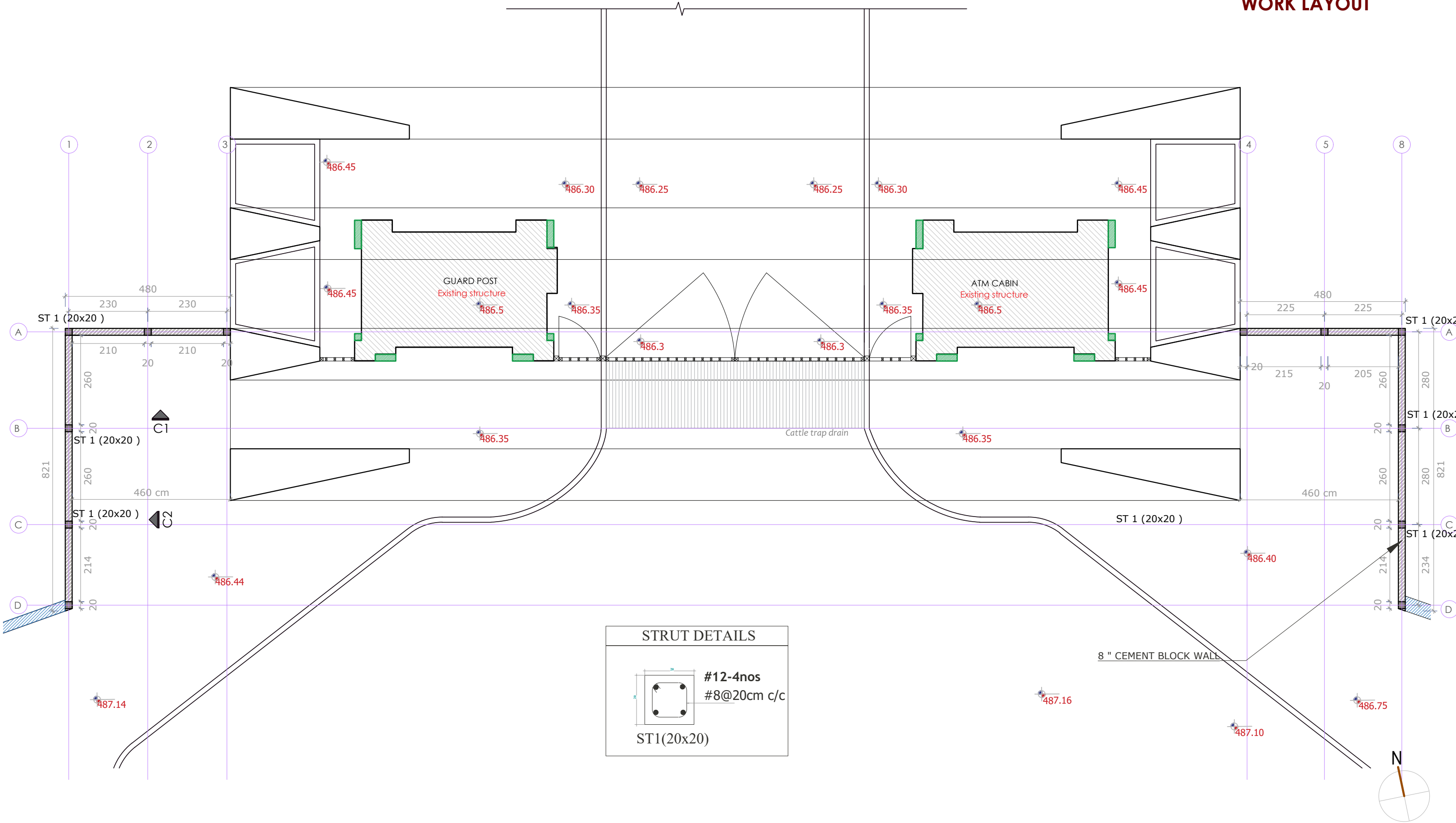
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COMPOUND WALL BRICK  
WORK LAYOUT



STRUT DETAILS

#12-4nos  
#8@20cm c/c

ST1(20x20)

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COMPOUND WALL BRICK WORK LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala</div><div>+91 7994957444 +91 9447329867</div><div>info@kaavarchitecture.com</div><div>www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					35
				REVISION /DATE						
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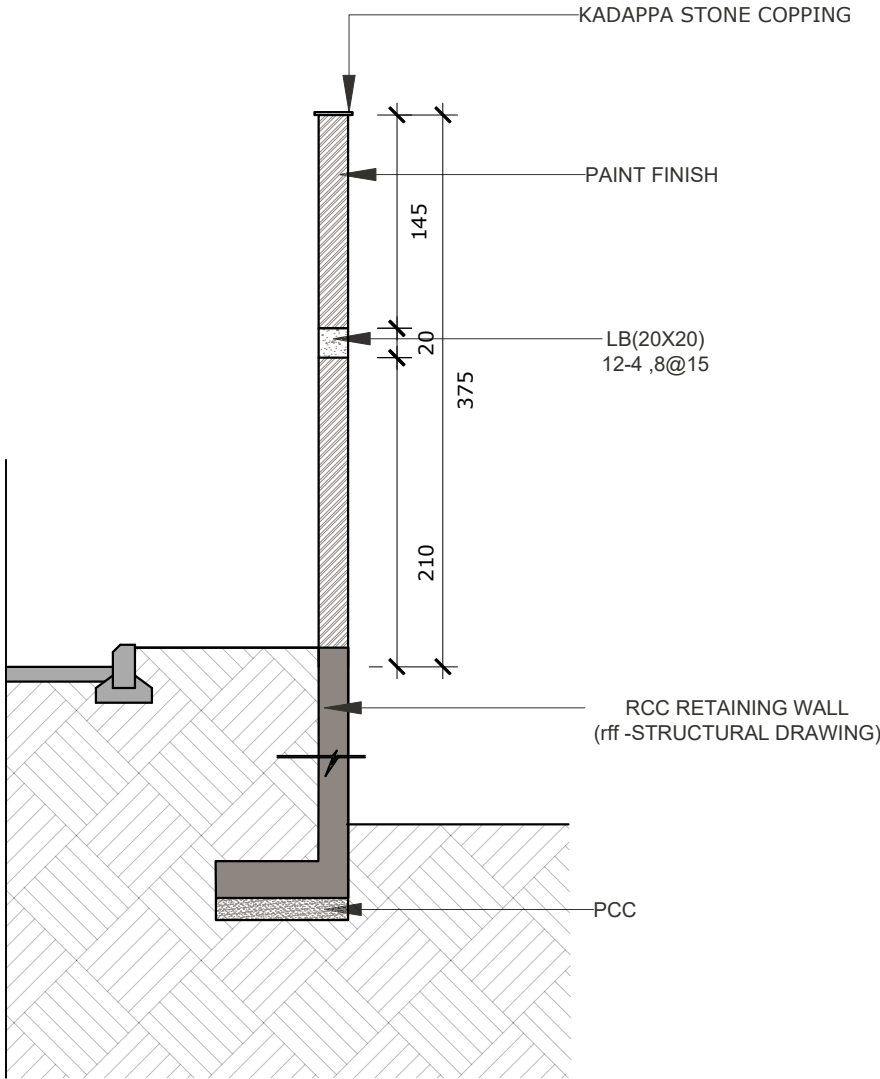
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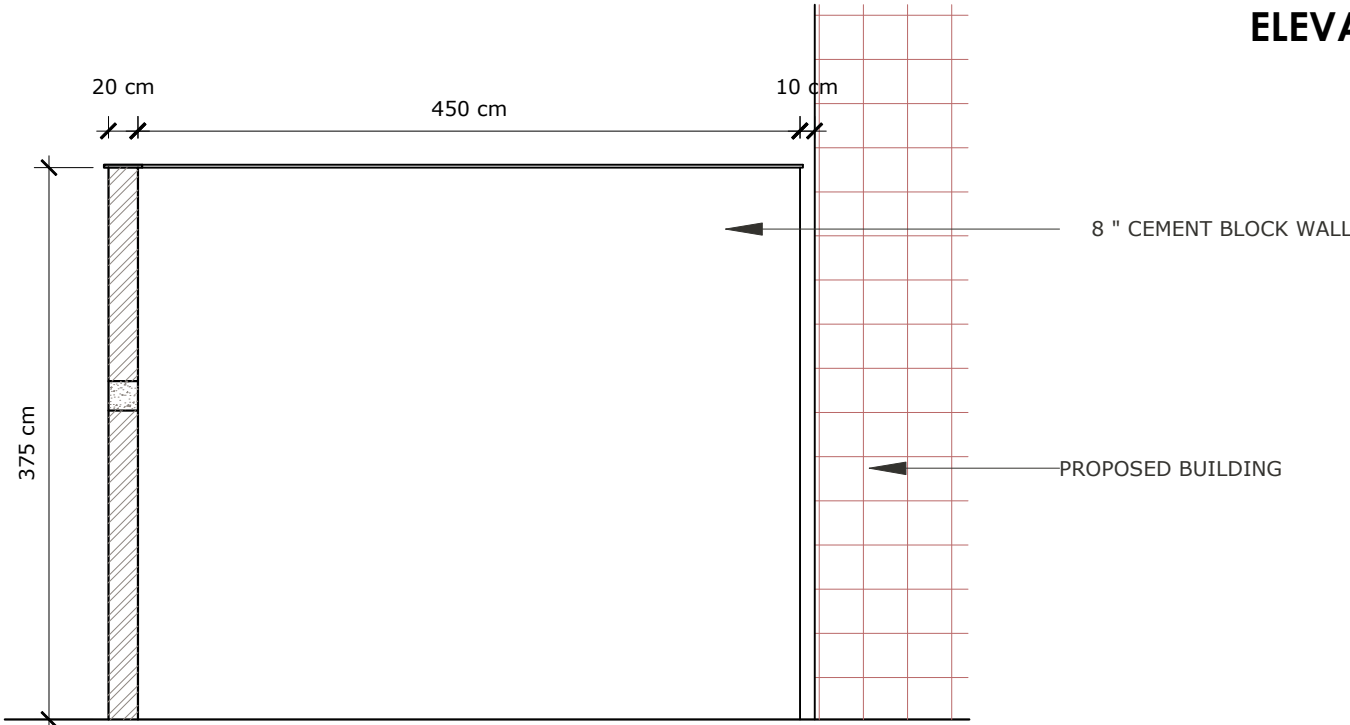
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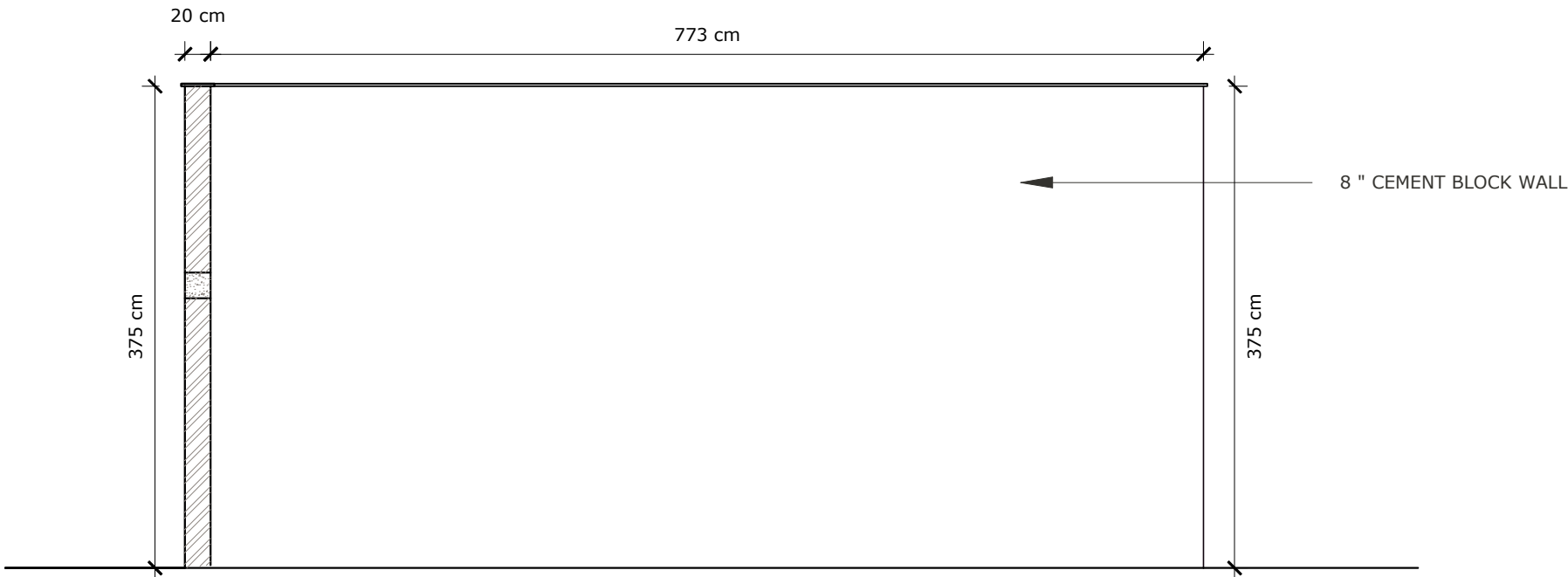
COMPOUND WALL SECTION AND ELEVATIONS



SECTION AA (SCALE 1:50)



ELEVATION C1 (SCALE 1:50)



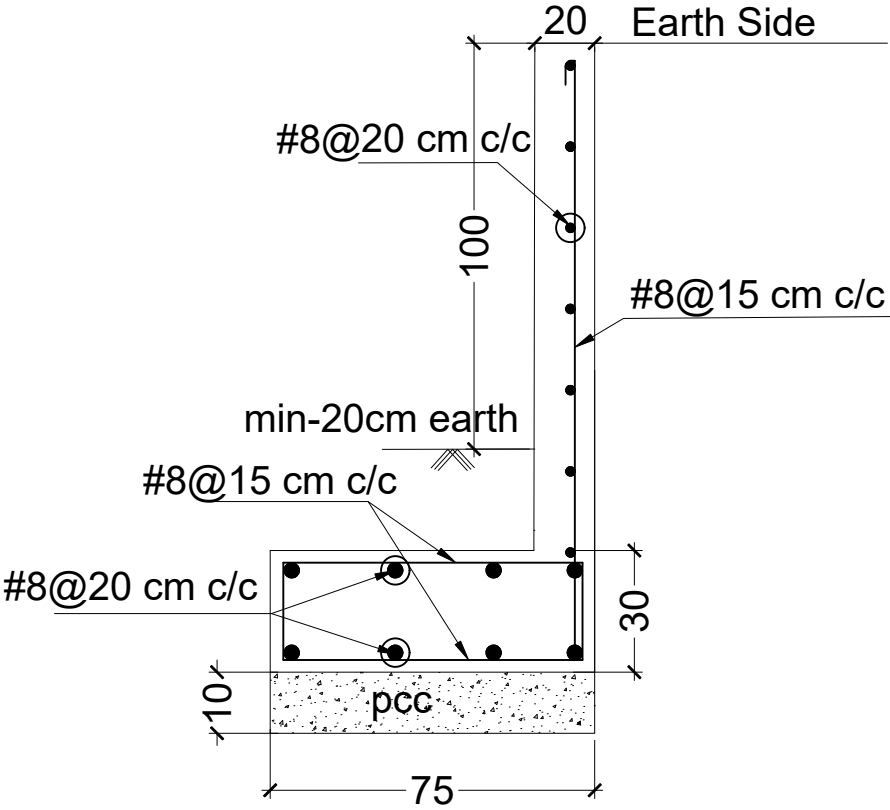
ELEVATION C2 (SCALE 1:50)

PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COMPOUND WALL SECTION AND ELEVATIONS			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					36
				REVISION /DATE						
				DESCRIPTION						

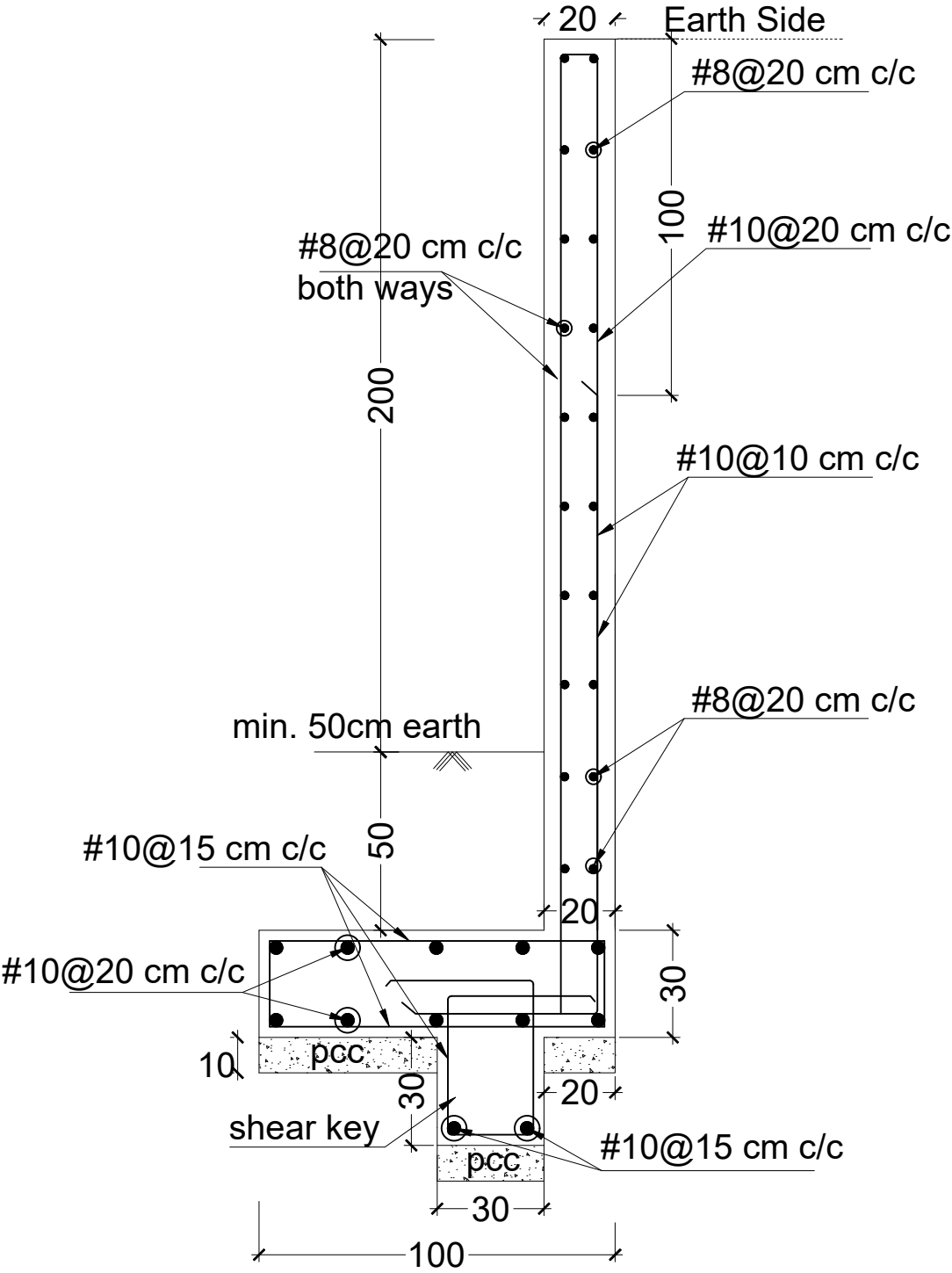
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NOTE: USE M20 MIX FOR  
RETAINING WALL


NOTE: ENSURE A SAFE BEARING CAPACITY OF 20 T/Sq.m FOR  
RETAINING WALL



RETAINING WALL UPTO 1m HEIGHT  
SECTION AA



RETAINING WALL UPTO 2m HEIGHT  
SECTION BB

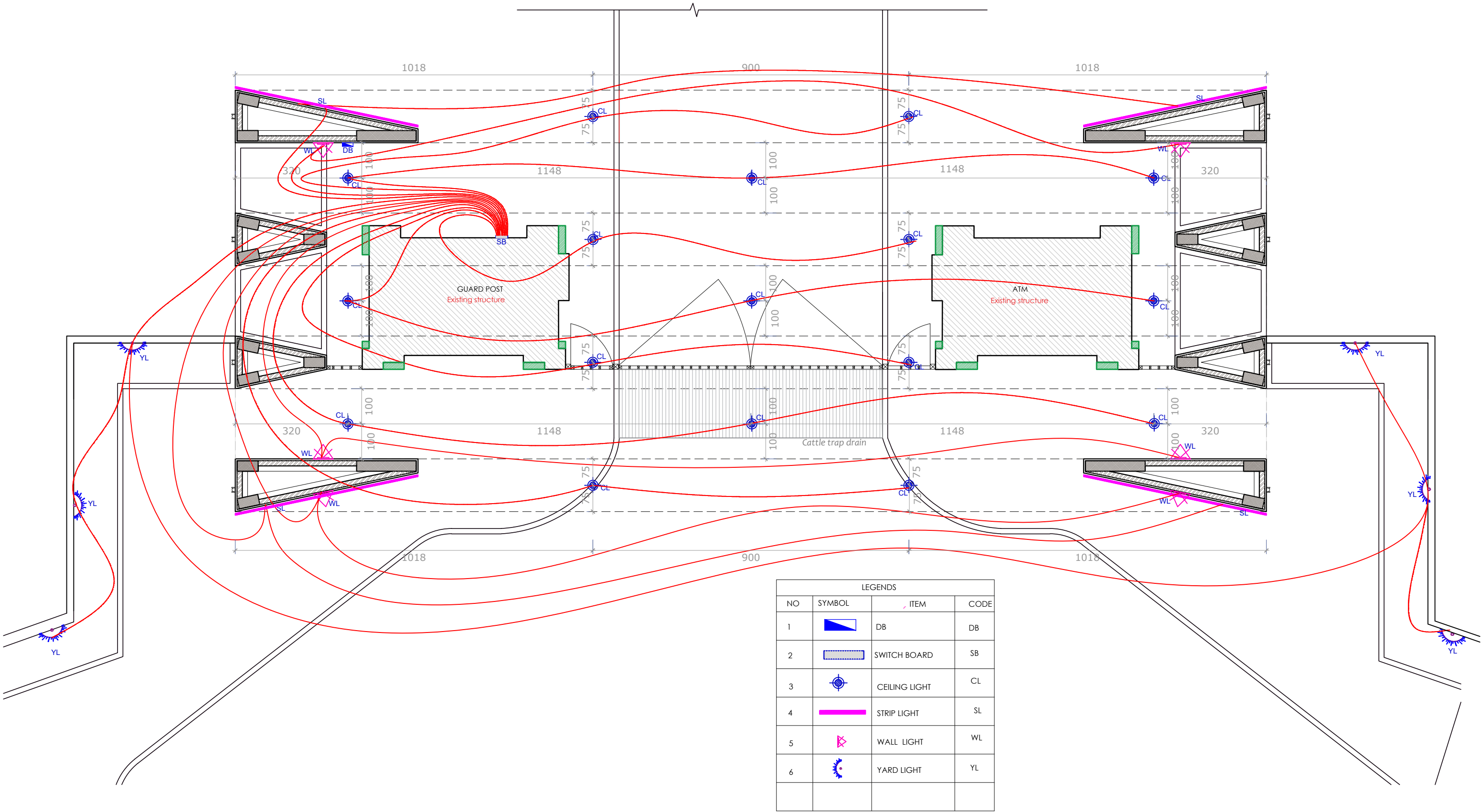
PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	COMPOUND WALL DETAIL			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	 cotton Hill Road Vazhuthacaud TVM -14 Kerala +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					37
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ELECTRICAL LAYOUT



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	ELECTRICAL LAYOUT			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><p>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</p></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					38
				REVISION /DATE						
				DESCRIPTION						

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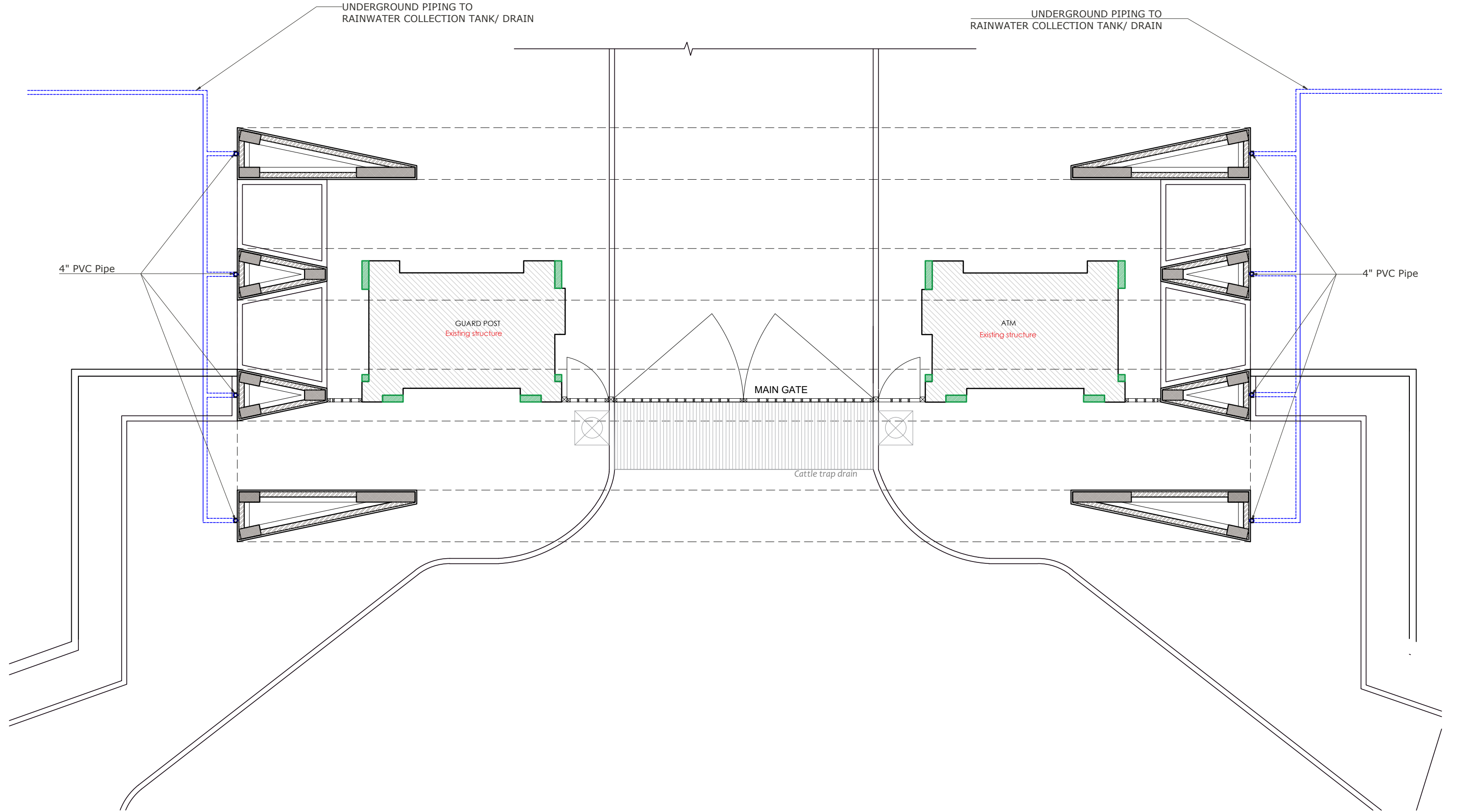
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PLUMBING GROUND PLAN



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PLUMBING GROUND PLAN			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					39
				REVISION /DATE						
				DESCRIPTION						

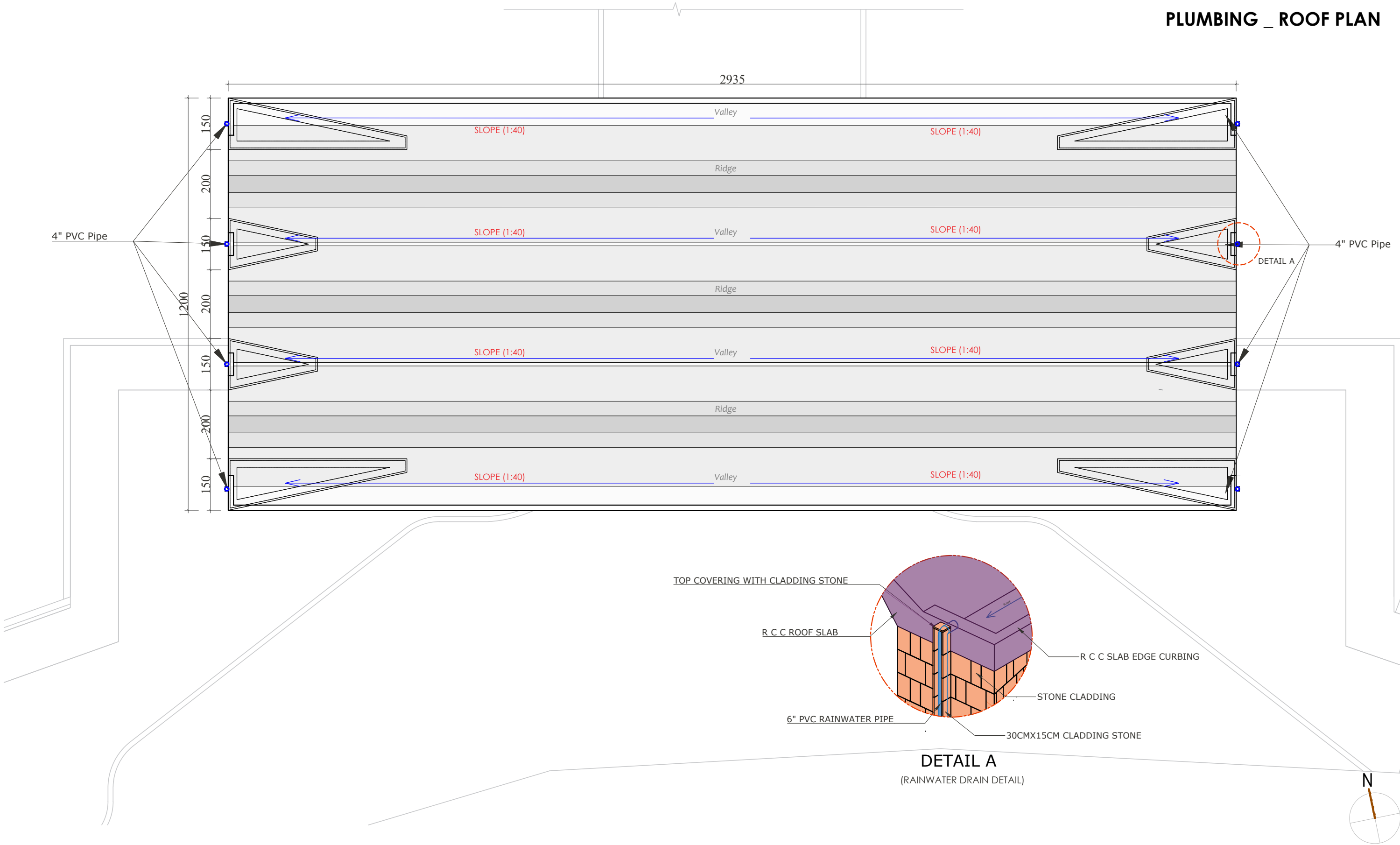
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PLUMBING \_ ROOF PLAN



PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO
CLIENT	IISER TVM	DRAWING	PLUMBING ROOF PLAN			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					40
				REVISION /DATE						
				DESCRIPTION						

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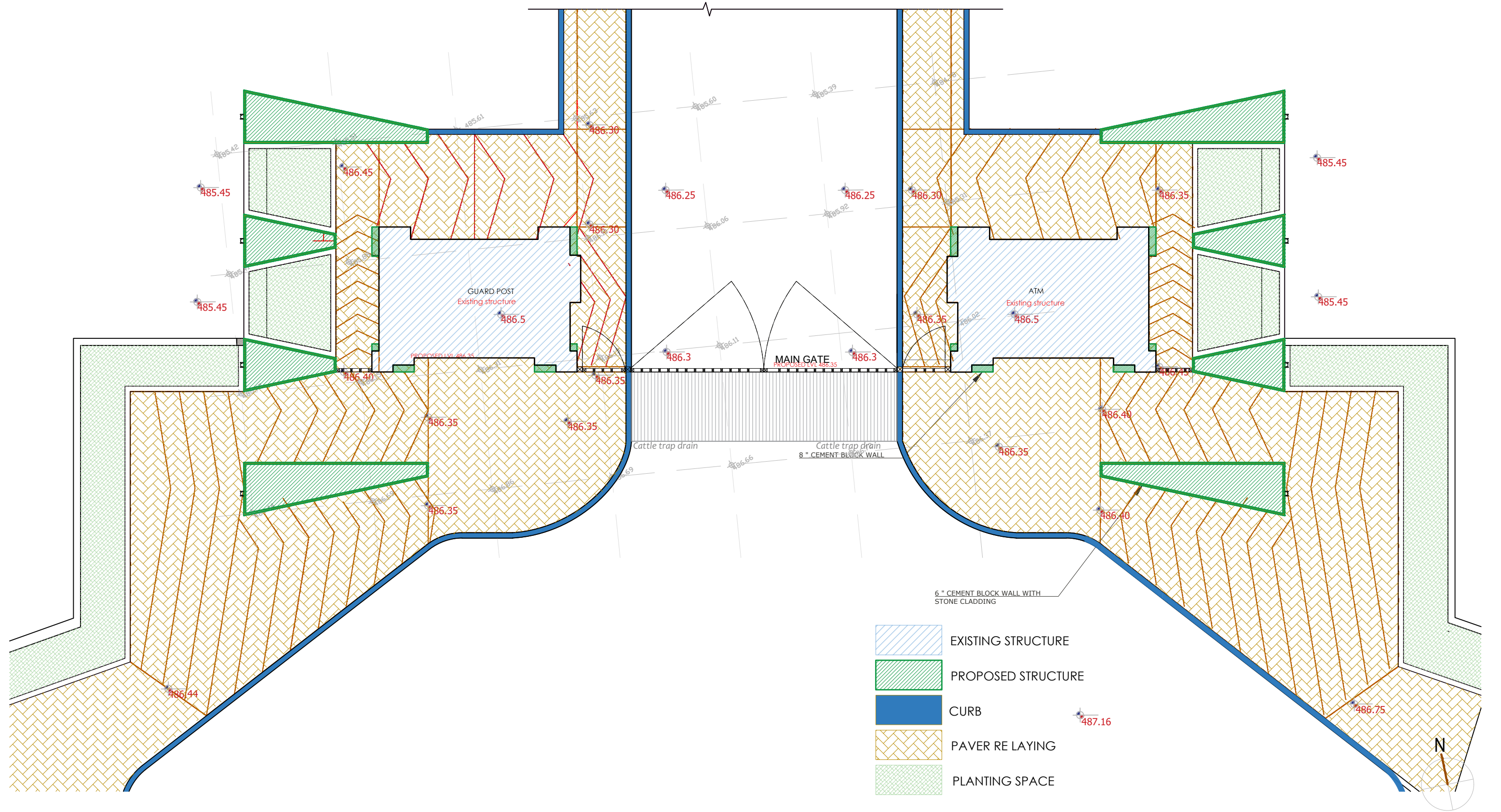
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PROJECT	GATEWAY FOR IISER CAMPUS AT TRIVANDRUM			STAGE	TENDER	SCALE	1:100	DRAWN	DHANEESH	DWG NO  41
CLIENT	IISER TVM	DRAWING	HARDSCAPE			UNITS	CM	CHECKED	VISAKH	
ARCHITECTS	<div><div>KAAYV</div><div>architecture</div><div>cotton Hill Road Vazhuthacaud TVM -14 Kerala. +91 7994957444 +91 9447329867 info@kaavarchitecture.com www.kaavarchitecture.com</div></div>	PROJECT ARCHITECT	VISAKH. S B Arch Reg No: CA/2012/54721	DATE	30 06 2025					
				REVISION /DATE						
				DESCRIPTION						

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