



MORBI MUNICIPAL CORPORATION

Tender for Design, Engineering,
Procurement, Construction, Operation &
Maintenance of Refuse Transfer Station
(RTS) in East Zone of Morbi Municipal
Corporation

Volume V: Drawings

2026

Morbi Municipal Corporation (MRMC)

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Website: <https://mmccgujarat.in/> | <https://tender.nprocure.com/>

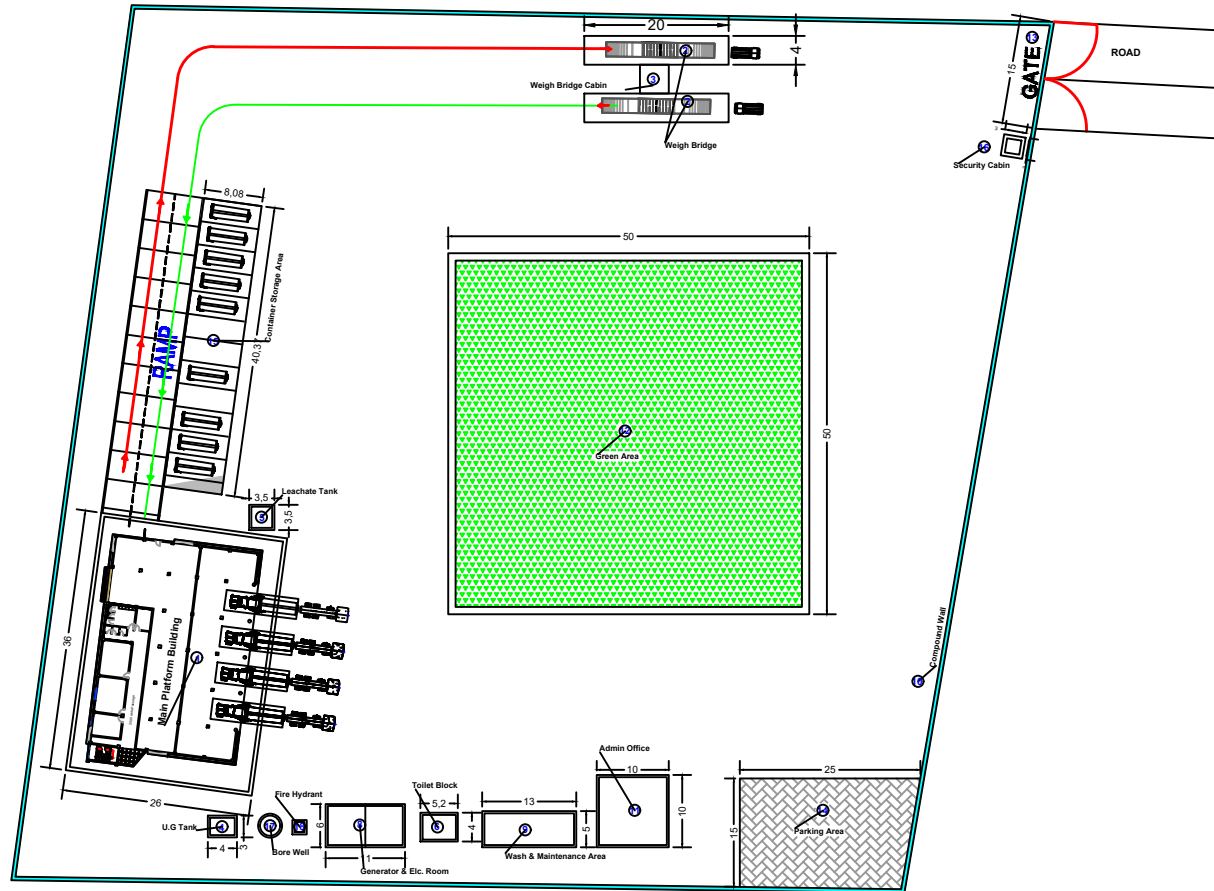
Structure of the Bidding Documents

Sr.no.	Volume	Details
1	Volume – I	Instruction to Bidders (ITB)
2	Volume – II	Conditions of Contract
3	Volume – III	Employer's Requirements, Scope of Work & Technical Specifications
4	Volume – IV	Price Bid
5	Volume – V	Drawings

Preamble

1. This Volume contains conceptual, preliminary, and reference drawings issued by the Employer for the purpose of conveying the overall intent, functional requirements, layout, and minimum performance standards of the Works.
2. **The drawings included in this Volume are indicative in nature and have been prepared based on preliminary designs, available site information, and planning assumptions. These drawings shall not be construed as complete construction drawings nor as limiting the Contractor's obligations under the EPC Contract.**
3. **The Contractor shall be solely responsible for Detailed engineering and design; Preparation of all Good for Construction (GFC) drawings; Design adequacy, safety, stability, constructability, and performance of the Works; Obtaining all required approvals from statutory authorities and the Engineer, as applicable.**
4. **The Works shall be executed in accordance with the Scope of Work; Technical Specifications; Applicable codes, standards, and statutory requirements; and the approved GFC drawings prepared by the Contractor; irrespective of any omissions, discrepancies, or inadequacies in the drawings included in this Volume.**
5. Any difference, discrepancy, or ambiguity between the drawings included in this Volume and the provisions of the Contract Documents shall be promptly brought to the notice of the Engineer-in-charge for clarification. In such cases, the decision of the Engineer-in-charge shall be considered final and binding to the contractor.
6. No claim for additional payment, time extension, or variation shall be admissible on account of Revision, modification, or refinement of drawings; Preparation of detailed designs or GFC drawings by the Contractor; Compliance with statutory requirements, codes, or good engineering practice; or Any omission or discrepancy in the drawings included in this Volume; except where such change constitutes a formal variation in accordance with the Contract.
7. The Contractor shall verify all dimensions, levels, site conditions, and interface requirements prior to execution of the Works and shall be fully responsible for any consequences arising from failure to do so.
8. The drawings included in this Volume shall be read in conjunction with Volume–I (ITB), Volume–II (Conditions of Contract), Volume–III (Employer's Requirements, Scope of Work, & Technical Specifications), Volume–IV (Price Bid) and all other Contract Documents. No drawing shall be read in isolation.
9. The Employer's review or approval of the Contractor's drawings, calculations, or documents shall not relieve the Contractor of any responsibility or liability under the Contract.
10. All intellectual property rights in the drawings included in this Volume shall vest with the Employer. The Contractor shall use such drawings solely for the execution of the Works and shall not reproduce or disclose the same for any other purpose without prior written approval of the Employer.

GTS LAYOUT- 2



Land Details:-
21 MAHENDRA NAGAR

Componant list

Sr	Name	Approx. Size
1	Main Platform Building	26 x 36 Mt
2	Weigh Bridge	3.6 x 20 Mt
3	Weigh Bridge Cabin	4 x 4 Mt
4	Under Graound Tank	3 x 4 x 2 Mt
5	Leachate Tank	3.5 x 3.5 x 1.5 Mt
6	Toilet Block	5.2 x 4 Mt
7	Cement Concrete Pavment	-
8	Generator & Electric Room	11 x 6 Mt
9	Wash & Maintenance Area	13 x 5 Mt
10	Compound Wall	445 Rmt
11	Admin Office	10 x 10 Mt
12	Green Area	50 x 50 Mt
13	Main Gate	15 Mt
14	Parking Area	15 x 25 Mt
15	Container Storage Area	8 x 40 Mt
16	Security Cabin	3 x 3 Mt
17	Bore Well	-
18	Fire Hydrant	-

DESCRIPTION: GTS LAYOUT



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:

GARBAGE TRANSFER STATION IN MORBI

SHEET CONTENT:

DETAILS OF GTS 2 LAYOUT

DRAWN: CHECKED: APPROVED:

PROJECT CODE & NUMBER: MMC SCALE: N.T.S

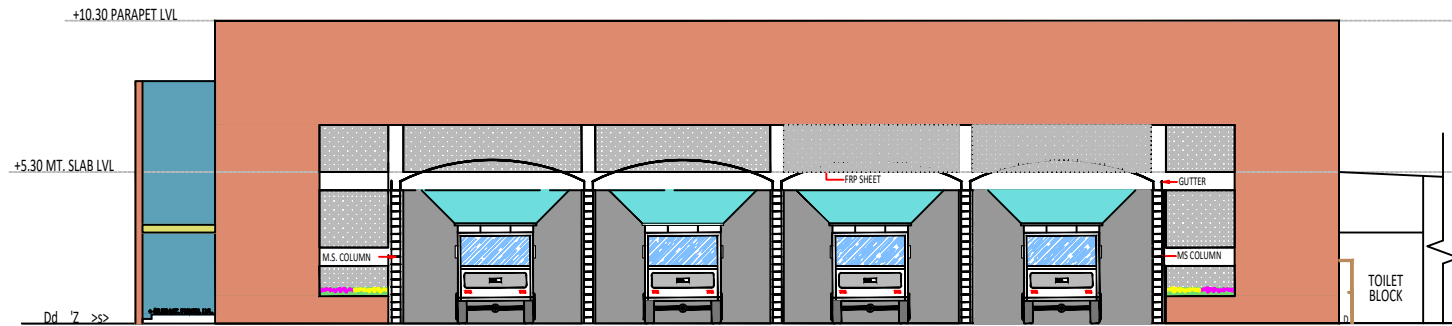
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SHEET NO. :

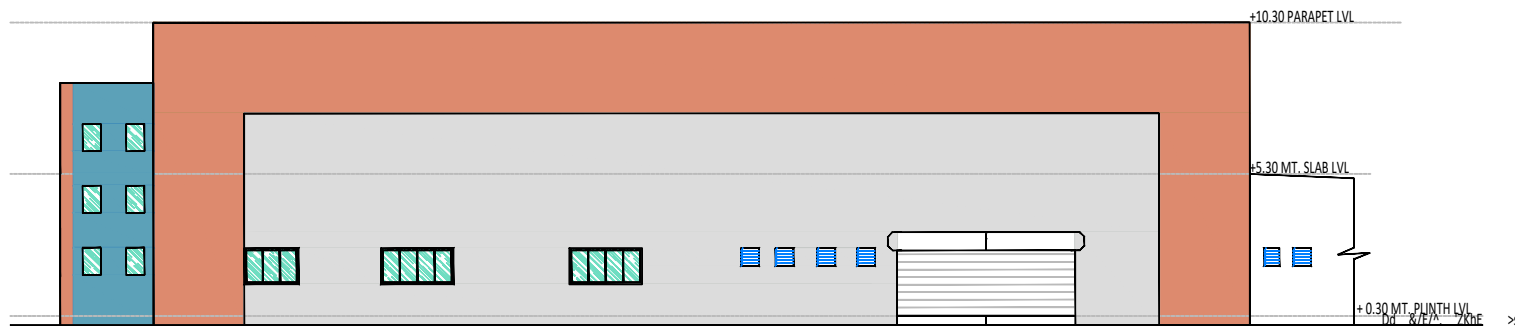
REV. 00 DATE: 27.01.25

01 OF 01

MAIN PLATFORM BUILDING R.H.S & L.H.L ELEVATION



R.H.S ELEVATION



L.H.S ELEVATION

TITLE: R.H.S & L.H.S ELEVATION @ MAIN PLATFORM

DESCRIPTION: MAIN PLATFORM BUILDING



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:
GARBAGE TRANSFER STATION IN MORBI

SHEET CONTENT:
R.H.S & L.H.L ELEVATION

DRAWN: CHECKED: APPROVED:

PROJECT CODE & NUMBER: MMC SCALE: N.T.S

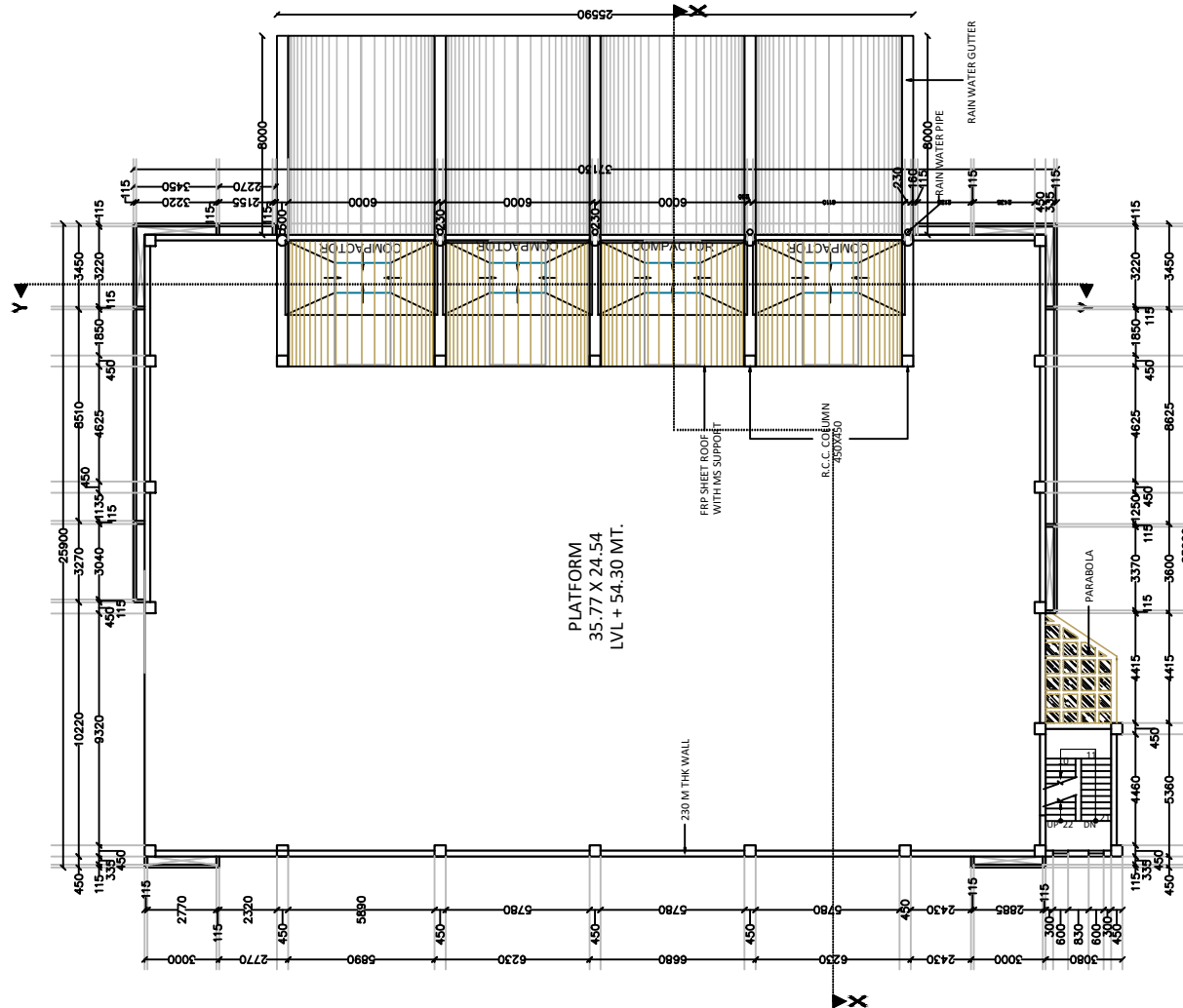
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SHEET NO. :




REV. 00 DATE: 29.12.25

01 OF 01

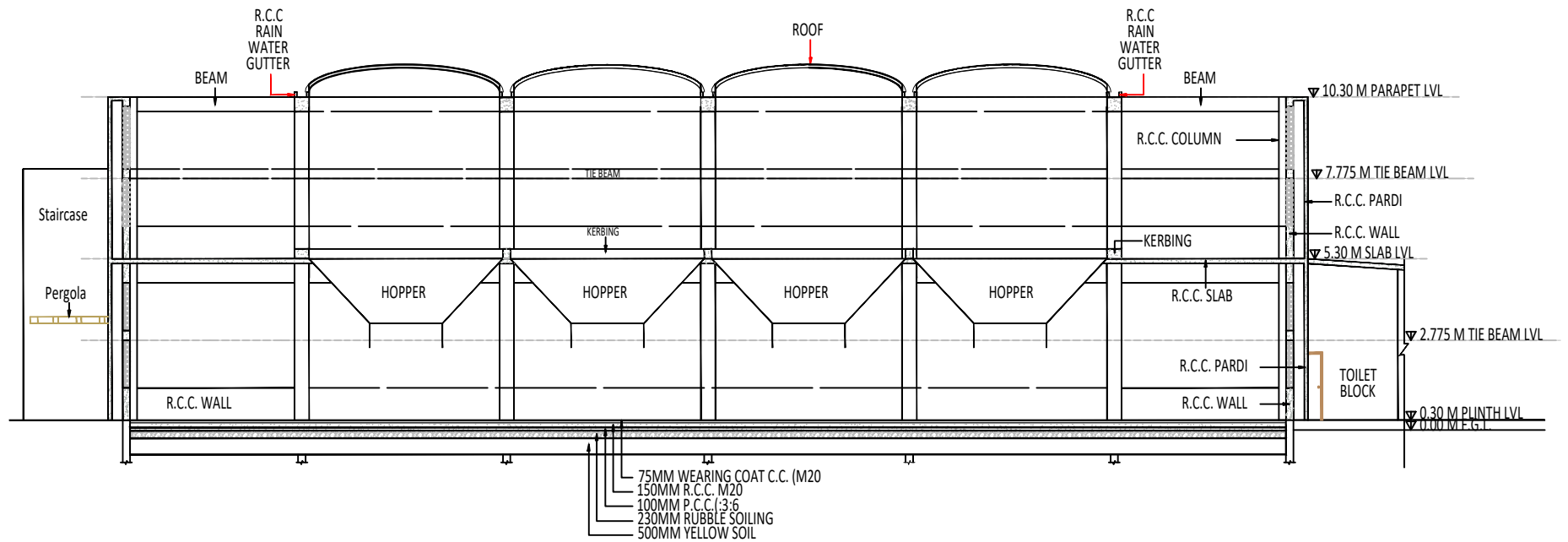
MAIN PLATFORM BUILDING FLOOR DETAILS



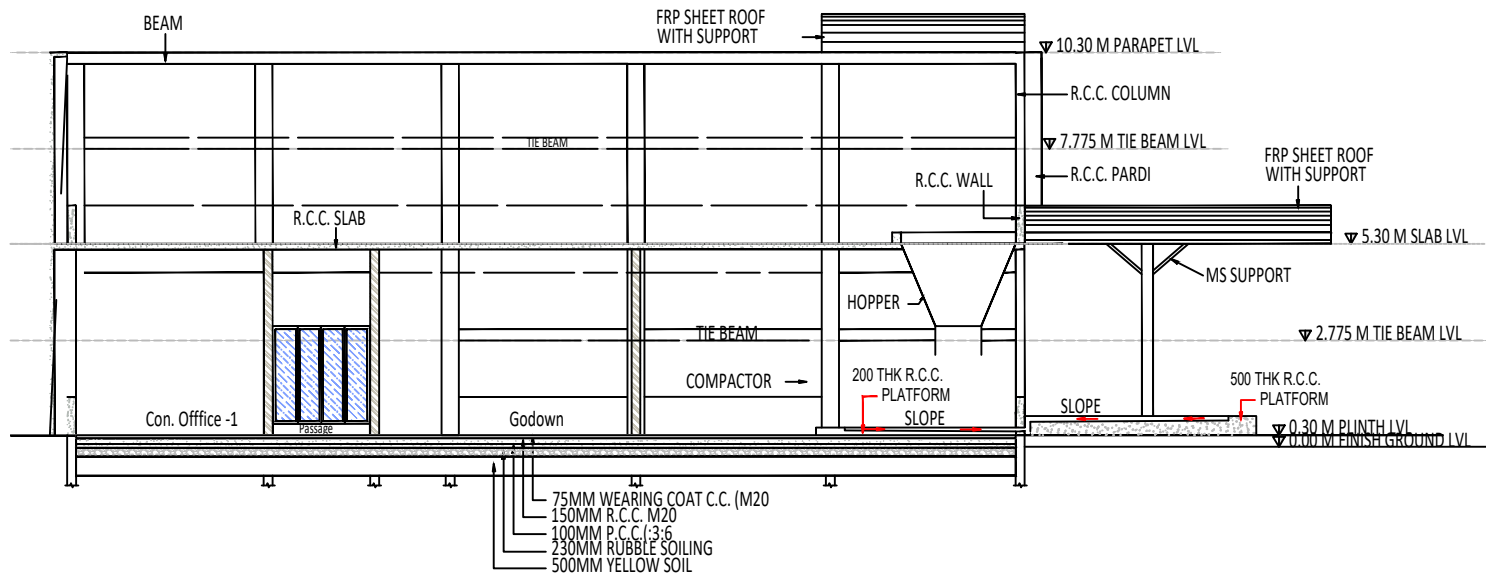
FIRST FLOOR PLAN
TITLE: FIRST FLOOR PLAN @ MAIN PLATFORM

DESCRIPTION: MAIN PLATFORM BUILDING		
	PROJECT MANAGEMENT CONSULTANT : GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE (GERMI)	
	CLIENT : MORBI MUNICIPAL CORPORATION	
<u>PROJECT TITLE:</u> GARBAGE TRANSFER STATION IN MORBI		
<u>SHEET CONTENT:</u> FLOOR DETAILS		
		
DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC		SCALE: N.T.S
DRAWING NO: GERMI/MMC/MF/01B		SHEET NO. :
REV. 00	DATE: 29.12.25	01 OF 01

MAIN PLATFORM BUILDING SECTION



SECTION Y-Y



SECTION X-X

DESCRIPTION: **MAIN PLATFORM BUILDING**



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



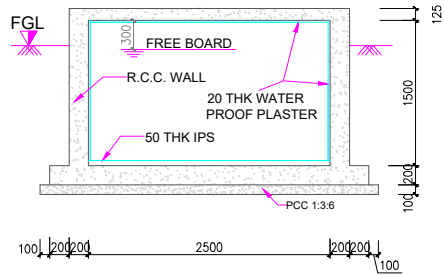
CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:
GARBAGE TRANSFER STATION IN MORBI

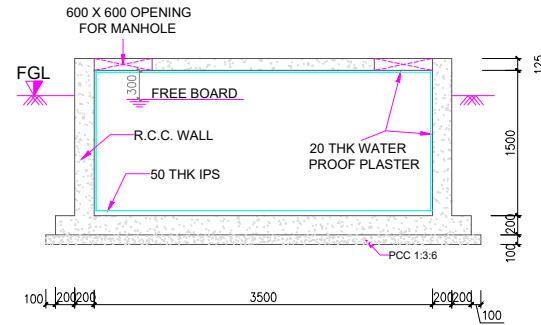
SHEET CONTENT:
SECTION X-X & Y-Y

DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC	SCALE: N.T.S	
DRAWING NO: GERMI/MMC/MF/01C	SHEET NO. : 01 OF 01	
REV. 00	DATE: 29.12.25	

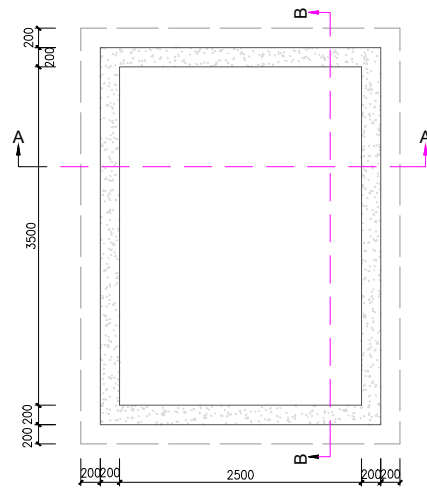
UNDER GROUND TANK



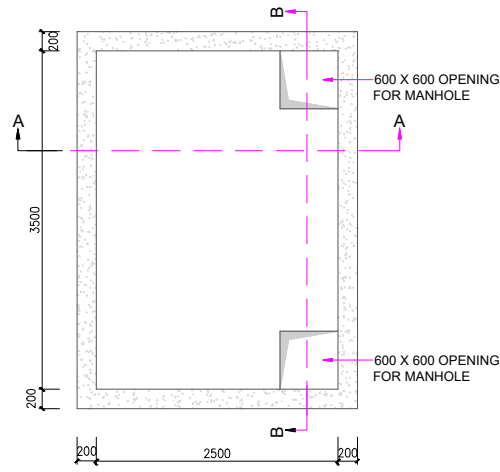
SECTION @ A-A





SECTION @ B-B



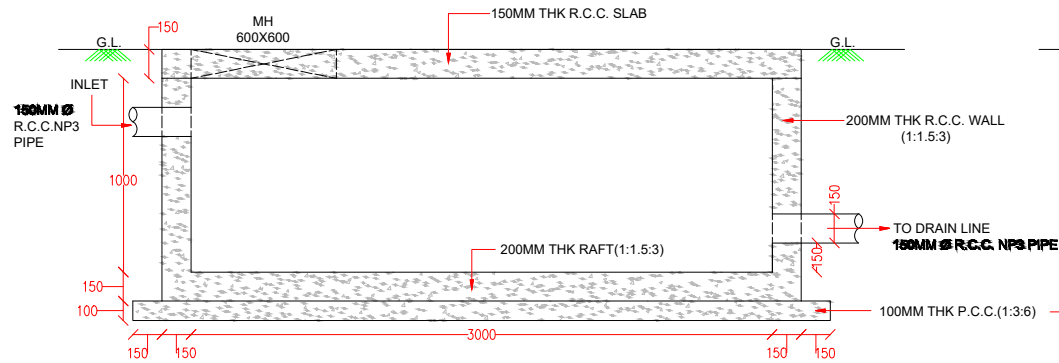
PLAN AT FOUNDATION LVL



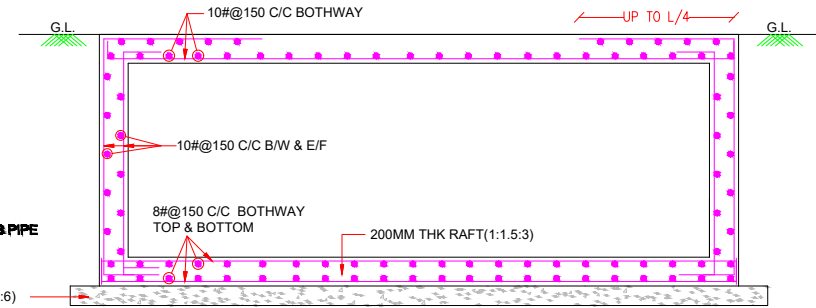
PLAN AT TOP LVL

DESCRIPTION: UNDER GROUND TANK		
	PROJECT MANAGEMENT CONSULTANT : GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE (GERMI)	
	CLIENT : MORBI MUNICIPAL CORPORATION	
PROJECT TITLE: GARBAGE TRANSFER STATION IN MORBI		
SHEET CONTENT: 15000 LIT CAPACITY U/G SUMP		
DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC		SCALE: N.T.S
DRAWING NO: GERMI/MMC/MF/03		SHEET NO. : 01 OF 01
REV. 00	DATE: 30.12.25	

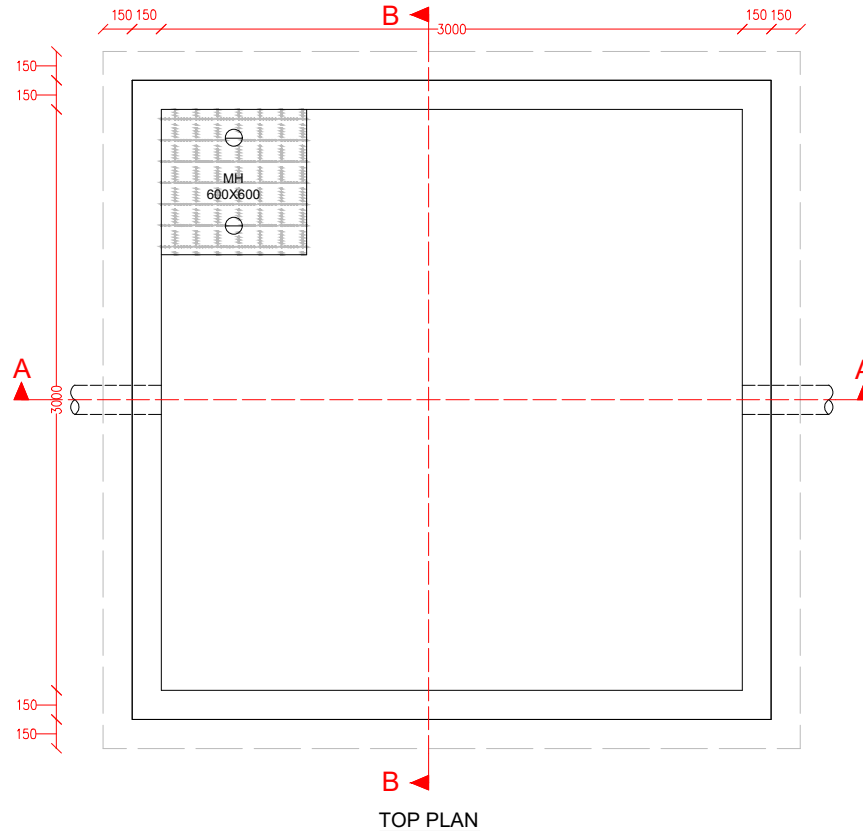
LEACHATE TANK




SECTION@A-A



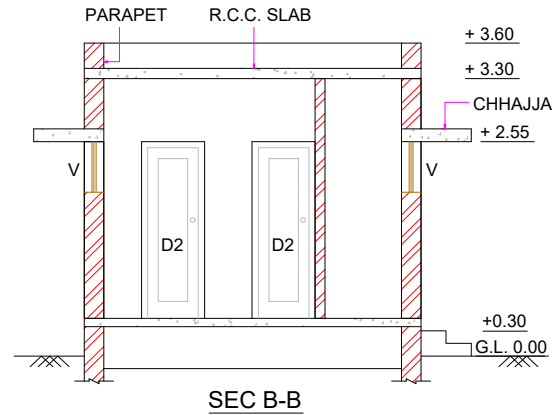
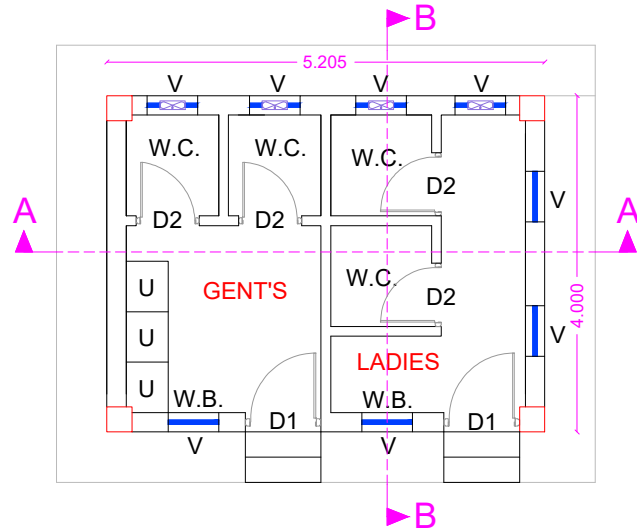
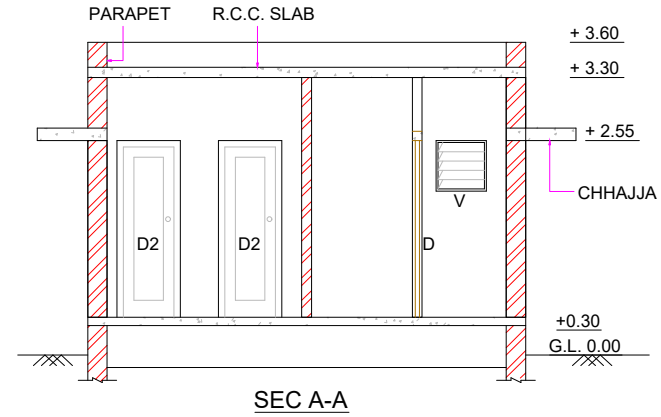
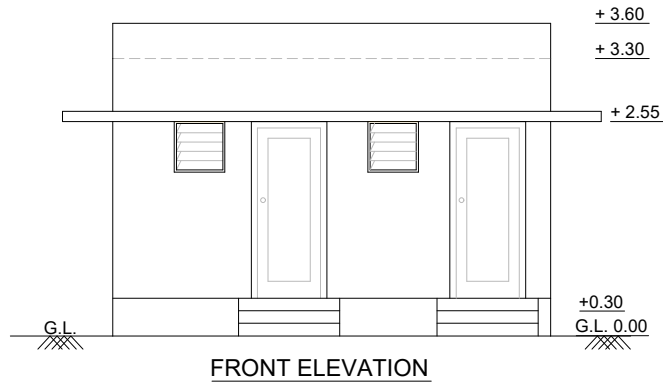
SECTION@B-B
R.C.C. DETAILS OF LEACHATE TANK





TOP PLAN

DESCRIPTION: LEACHATE TANK		
	PROJECT MANAGEMENT CONSULTANT : GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE (GERMI)	
	CLIENT : MORBI MUNICIPAL CORPORATION	
PROJECT TITLE: GARBAGE TRANSFER STATION IN MORBI		
SHEET CONTENT: LEACHATE TANK TOP & SECTION		
DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC		SCALE: N.T.S
DRAWING NO: GERMI/MMC/MF/04		SHEET NO. : 01 OF 01
REV. 00	DATE: 30.12.25	

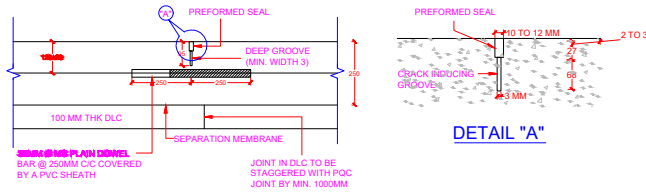
TOILET BLOCK



MARK	SIZE	HIGHT OF SILL FROM RELAVANT FLOOR LEVEL	NOS.
D1	900 x 2100	—	2
D2	750 x 2100	—	4
V	600 x 600	900	8

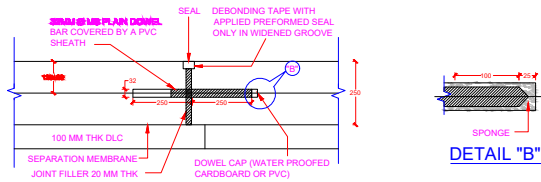
DESCRIPTION: TOILET BLOCK		
	PROJECT MANAGEMENT CONSULTANT : GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE (GERMI)	
	CLIENT : MORBI MUNICIPAL CORPORATION	
PROJECT TITLE: GARBAGE TRANSFER STATION IN MORBI		
SHEET CONTENT: TOILET BLOCK TOP, ELEVATION & SECTION		
DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC		SCALE: N.T.S
DRAWING NO: GERMI/MMC/MF/05		SHEET NO. : 01 OF 01
REV. 00	DATE: 30.12.25	

CEMENT CONCRETE PAVEMENT



CONTRACTION JOINT WITH SAWN GROOVE

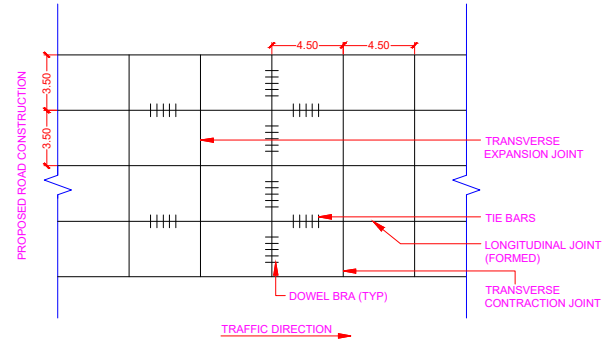
- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS.
 2. THE DOWEL BARS SHALL BE PLACED AT 250 MM CENTERS. THIS SPACING SHALL BE VARIED WHERE NECESSARY SO THAT NO DOWEL BAR IS WITHIN 150 OF A SLAB EDGE OR A JOINT PARALLEL TO THE BARS.
 3. CONTRACTION JOINTS SHALL BE PLACED AT 4500 CENTERS.
 4. DOWEL BARS TO BE COVERED BY THIN PLASTIC SHEATH FOR MINIMUM OF 2/3 LENGTH FROM ONE END



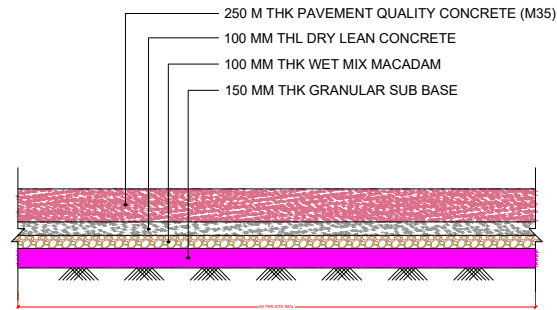
SAWN GROOVE FILLER DETAIL

- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS.
 2. THE DOWEL BARS SHALL BE PLACED AT 250 MM CENTERS. THIS SPACING SHALL BE VARIED WHERE NECESSARY SO THAT NO DOWEL BAR IS WITHIN 150 OF A SLAB EDGE OR A JOINT PARALLEL TO THE BARS.
 3. DOWEL BARS TO BE COVERED BY THIN PLASTIC SHEATH FOR MINIMUM OF 1/2 LENGTH PLUS 50 MM.

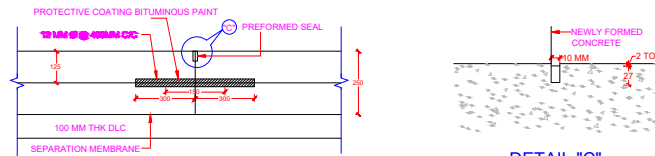
TRANSVERSE CONSTRUCTION JOINT/EXPANSION JOINT



PAVEMENT JOINT PLAN



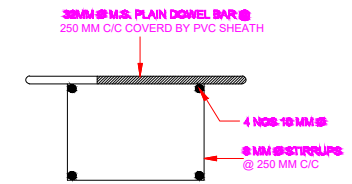
TYPICAL CROSS SECTION OF CEMENT CONCRETE PAVEMENT



LONGITUDINAL JOINT WITH FORMED GROOVE

- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS.
 2. LONGITUDINAL JOINTS SHALL BE CONSTRUCTED AND SEALED IN ACCORDANCE WITH THE SPECIFICATION. THE BAR SPACING SHALL BE 400MM C/C NO TIE BAR SHALL BE PLACED WITHIN 350MM OF A CONTRACTION JOINT.
 3. LONGITUDINAL JOINTS SHALL BE PLACED AS SHOWN ON DRAWING OR AS DIRECTED BY THE ENGINEER.

LONGITUDINAL JOINTS (BETWEEN TWO LANES)



DETAILS OF CRADLE ASSEMBLY

- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METRES, UNLESS OTHERWISE STATED.
 2. DIMENSIONS SHALL NOT BE SCALED OFF FROM THE DRAWING.
 3. THE TRANSVERSE CONSTRUCTION JOINTS WILL BE LOCATED AT THE STRUCTURES AS DIRECTED BY THE ENGINEER. CONSTRUCTION JOINT SHALL BE PROVIDED AT 99M OR AT THE END OF DAY'S WORK, WHICHEVER IS LESS. ALSO, IF THERE IS A STOPPAGE OF POURING FOR MORE THAN 30 MIN. CONSTRUCTION JOINT SHALL BE PROVIDED.
 4. CONCRETE GRADE FOR PAVEMENT SHALL BE M-35
 5. CONCRETE SHALL ACHIEVE A MIN. 28 DAYS FLEXURAL STRENGTH OF 45 KG/CM. PREFORMED ELASTOMERIC JOINT SEALS USING POLYSULPHIDE OR POLYURETHANE AS THE ONLY BASE POLYMER SHALL BE USED IN JOINTS. THE MATERIAL AND THE MANUFACTURE SEAL SHALL CONFORM TO ASTM D 2628 (AND CRD C548).
 6. LONGITUDINAL JOINT SHALL BE FORMED JOINT

DESCRIPTION: CEMENT CONCRETE PAYMENT



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:

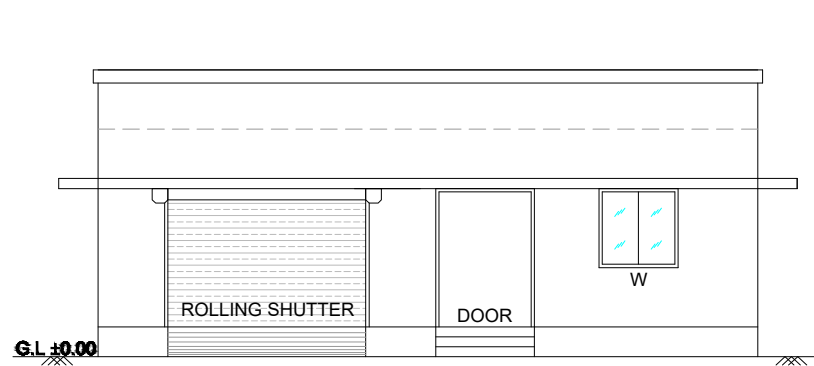
GARBAGE TRANSFER STATION IN MORBI

SHEET CONTENT:

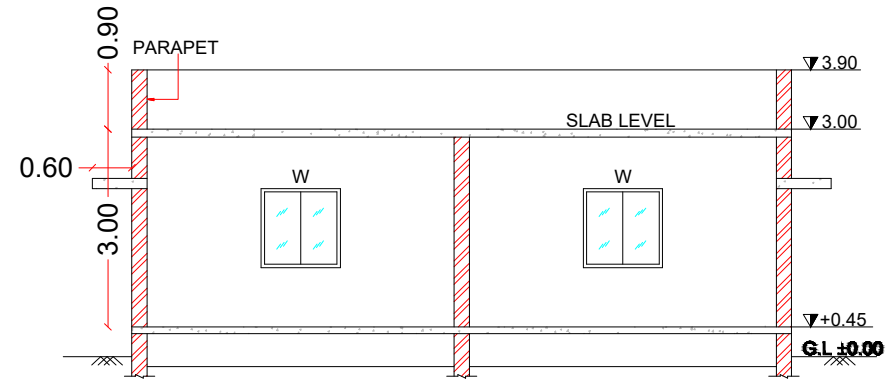
TYPICAL DETAILS OF CEMENT CONCRETE PAYMENT & JOINTS

DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC	SCALE: N.T.S	
DRAWING NO: GERMI/MMC/MF/06	SHEET NO. : 01 OF 01	
REV. 00	DATE: 31.12.25	

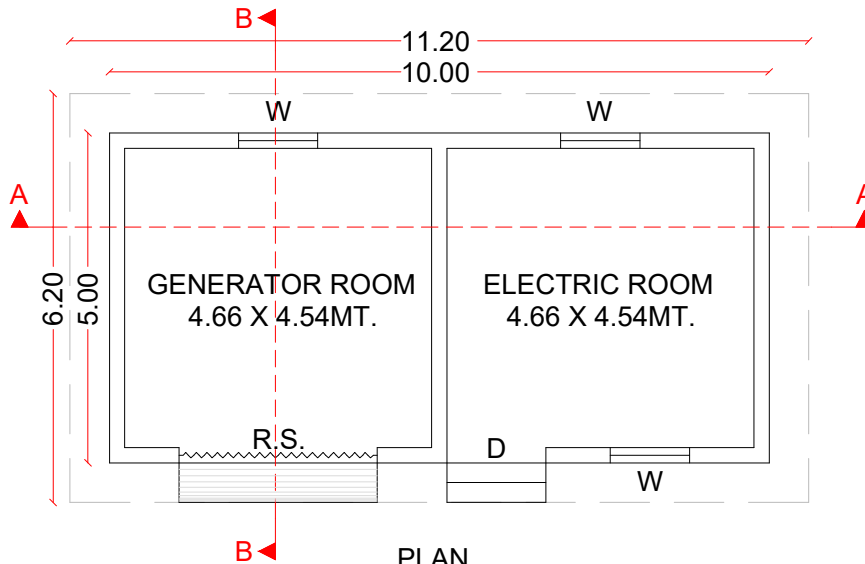
GENERATOR & ELECTRIC ROOM



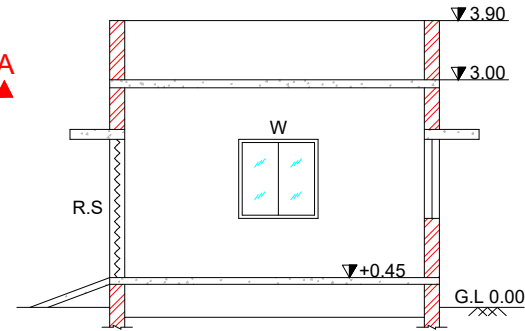
ELEVATION



SEC A-A



PLAN



SEC B-B

SCHEDULE OF OPENINGS			
GROUND FLOOR			
MARK	SIZE	HIGHT OF SILL FROM RELAVANT FLOOR LEVEL	NOS.
D	1500 x 2100	—	1
R.S.	3000 x 2100	—	1
W	1200 x 1500	600	3

DESCRIPTION: GENERATOR & ELECTRIC ROOM



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:

GARBAGE TRANSFER STATION IN MORBI

SHEET CONTENT:

DETAILS OF GENERATOR & ELECTRIC ROOM

DRAWN:

CHECKED:

APPROVED:

PROJECT CODE & NUMBER: MMC

SCALE: N.T.S

DRAWING NO: GERMI/MMC/MF/07

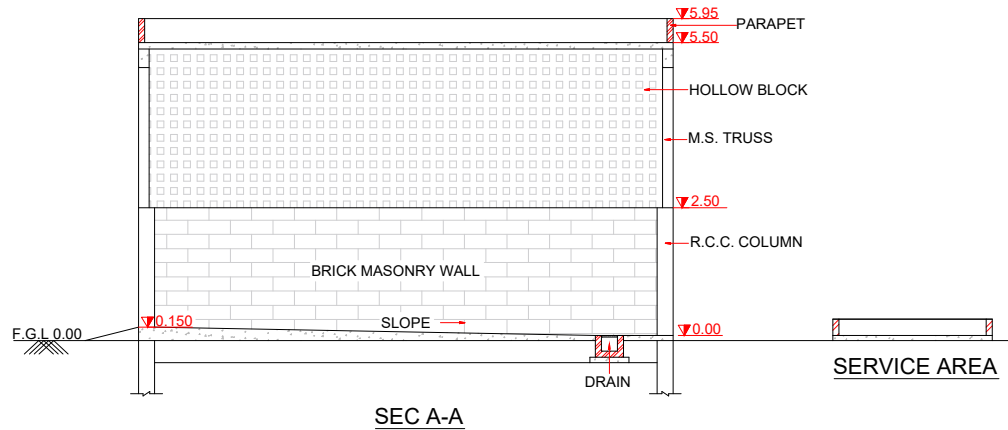
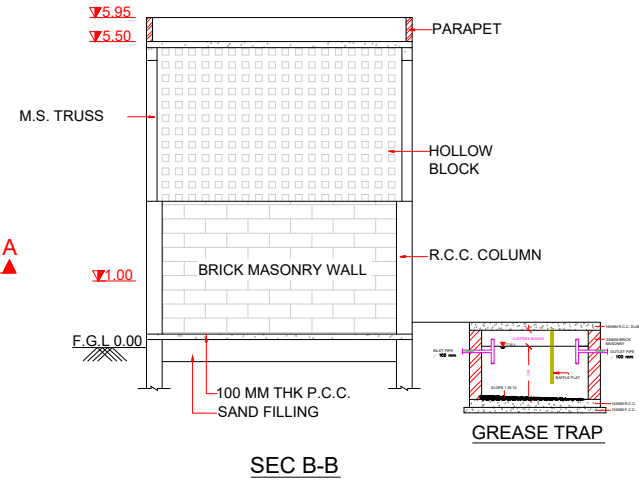
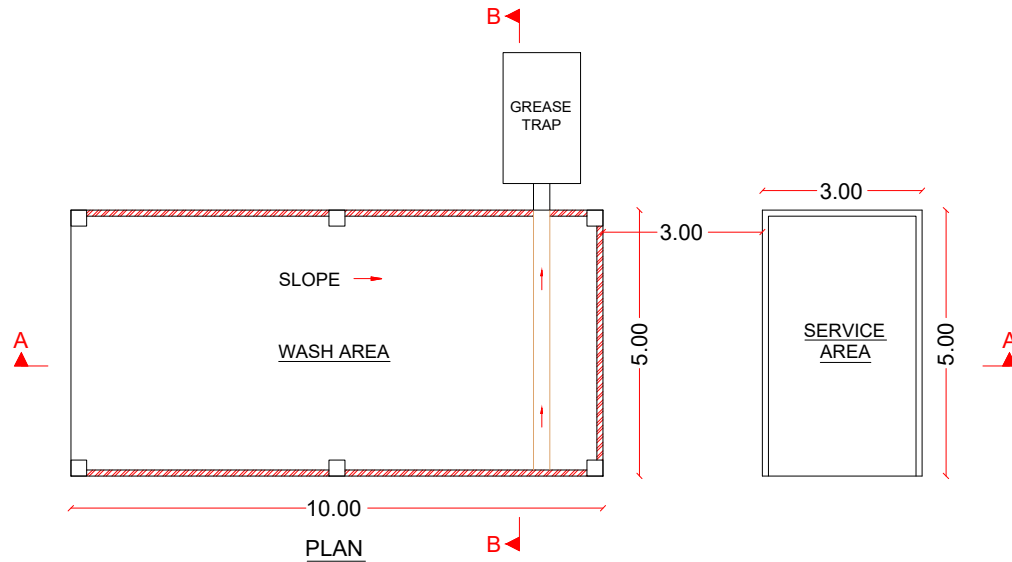
SHEET NO. :



REV. 00

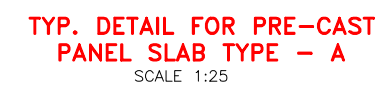
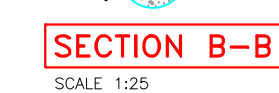
DATE: 30.12.25

01 OF 01

WASH & SERVICE AREA






DESCRIPTION: WASH & SERVICE AREA		
	PROJECT MANAGEMENT CONSULTANT : GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE (GERMI)	
	CLIENT : MORBI MUNICIPAL CORPORATION	
<u>PROJECT TITLE:</u> GARBAGE TRANSFER STATION IN MORBI		
<u>SHEET CONTENT:</u> DETAILS OF WASH & SERVICE AREA		
DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC		SCALE: N.T.S
DRAWING NO: GERMI/MMC/MF/08		SHEET NO. : 01 OF 01
REV. 00	DATE: 30.12.25	

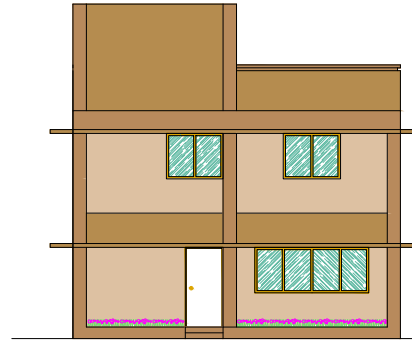


**THE SOIL LEVEL INSIDE
AND OUTSIDE THE WALL
MUST BE THE SAME.**

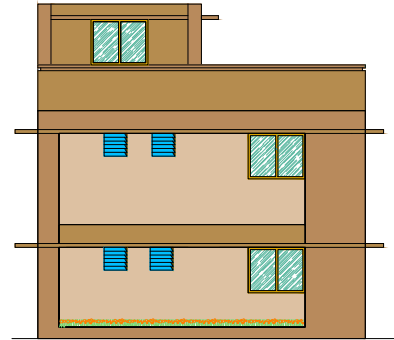
**THIS WALL IS NOT
DESIGNED FOR ANY
TYPE OF EXTRA
LOAD ON THIS**

DESCRIPTION: COMPOUND WALL		
	PROJECT MANAGEMENT CONSULTANT : GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE (GERMI)	
	CLIENT : MORBI MUNICIPAL CORPORATION	
<u>PROJECT TITLE:</u> GARBAGE TRANSFER STATION IN MORBI		
<u>SHEET CONTENT:</u> 		
DETAILS OF COMPOUND WALL		
DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC		SCALE: N.T.S
DRAWING NO: GERMI/MMC/MF/09		SHEET NO. : 01 OF 01
REV. 00	DATE: 29.12.25	

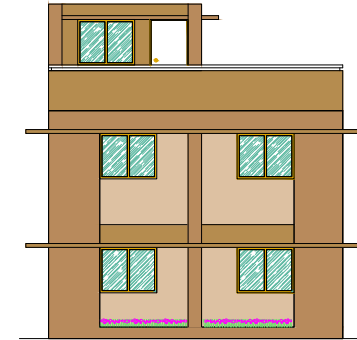
ADMIN BUILDING



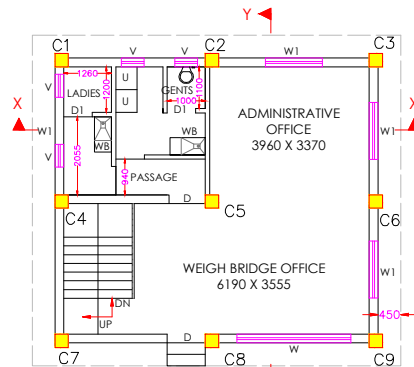
FRONT ELEVATION



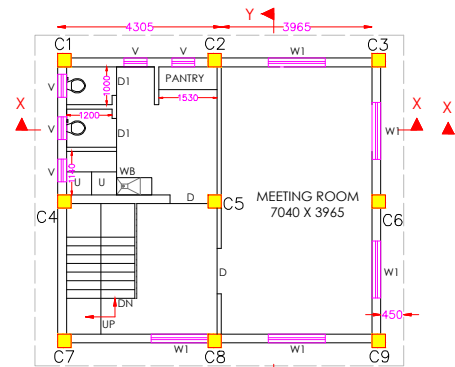
REAR ELEVATION



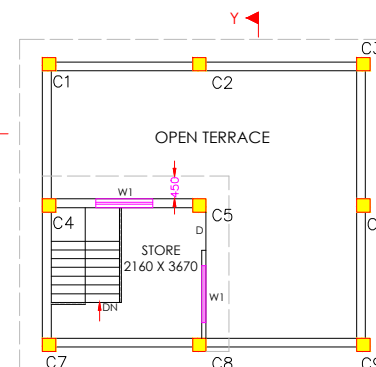
REAR ELEVATION



GROUND FLOOR



FIRST FLOOR



TERRACE FLOOR

TENDER DRAWING

SCHEDULE OF OPENINGS

GROUND FLOOR + FIRST FLOOR + TERRACE FLOOR

MARK	SIZE	HIGHT OF SILL FROM RELAVANT FLOOR LEVEL	TYPE	NOS.
D	1000 x 2100	—	TEAK WOOD FULLY PANELLED DOOR	5
D1	750 x 2100	—	TEAK WOOD FULLY PANELLED DOOR	4
W	3000 x 1200	900	ALUMINIUM SLIDING WINDOW	1
W1	1500 x 1200	900	ALUMINIUM SLIDING WINDOW	10
V	600 x 600	600	TEAK WOOD WINDOW	9

DESCRIPTION: ADMIN BUILDING



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:

GARBAGE TRANSFER STATION IN MORBI

SHEET CONTENT:
DETAILS OF ADMIN BUILDING

DRAWN:

CHECKED:

APPROVED:

PROJECT CODE & NUMBER: MMC

SCALE: N.T.S

DRAWING NO: GERMI/MMC/MF/10

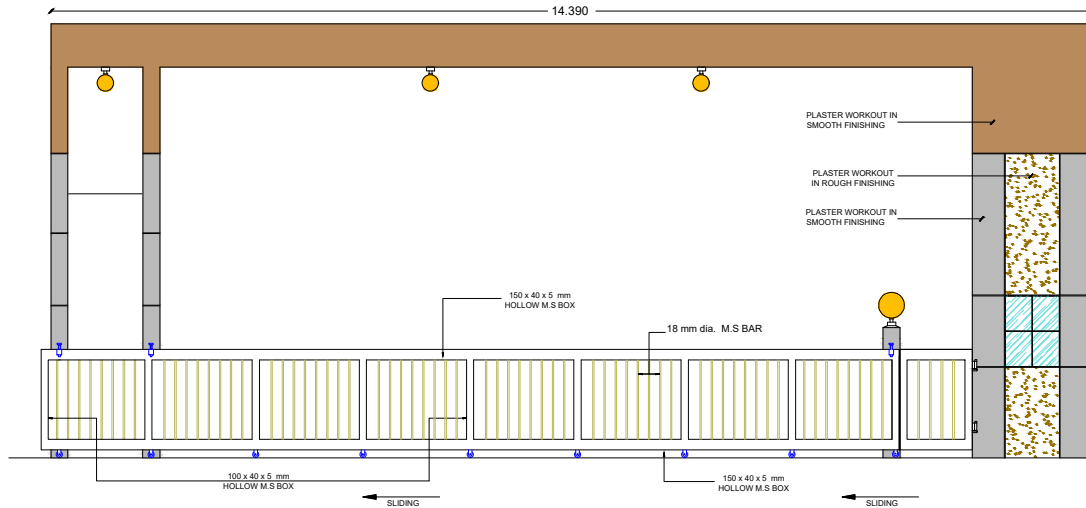
SHEET NO. :

REV. 00

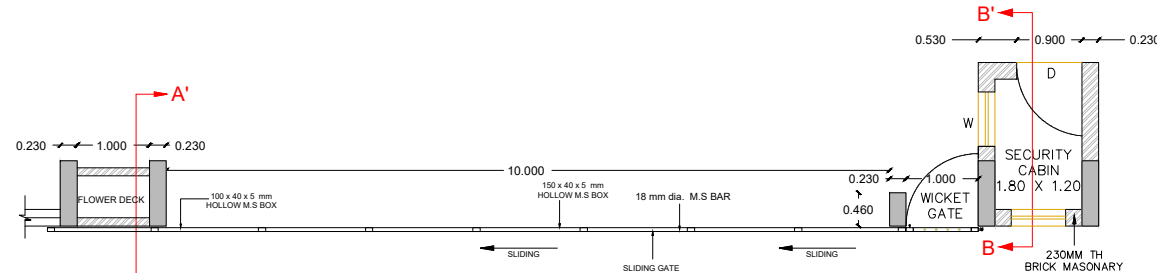
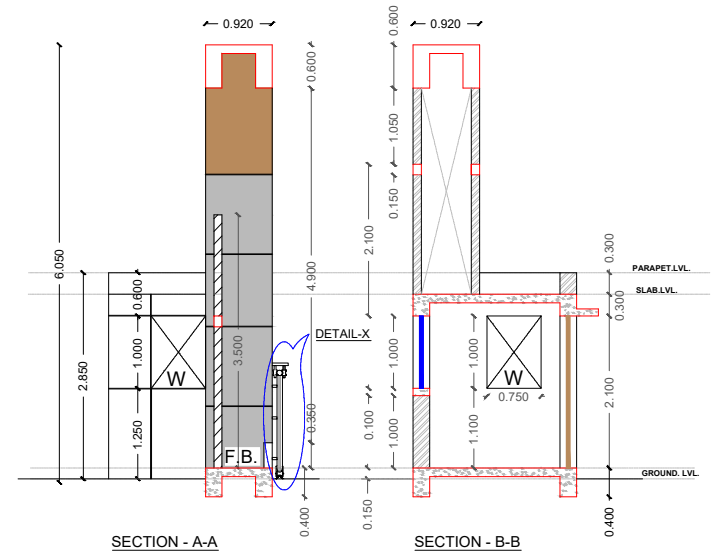
DATE: 30.12.25

01 OF 01

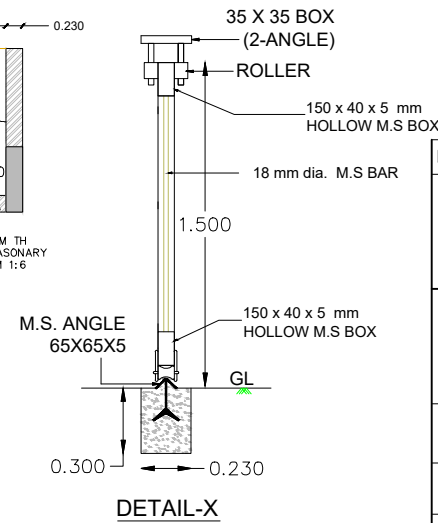
MAIN GATE



ELEVATION



PLAN



DESCRIPTION: MAIN GATE



PROJECT MANAGEMENT CONSULTANT :
GUJARAT ENERGY RESEARCH AND
MANAGEMENT INSTITUTE (GERMI)



CLIENT :
MORBI MUNICIPAL CORPORATION

PROJECT TITLE:

GARBAGE TRANSFER STATION IN MORBI

SHEET CONTENT:

DETAILS OF MAIN GATE

DRAWN:	CHECKED:	APPROVED:
PROJECT CODE & NUMBER: MMC	SCALE: N.T.S	
DRAWING NO: GERMI/MMC/MF/11	SHEET NO. : 01 OF 01	
REV. 00	DATE: 30.12.25	