

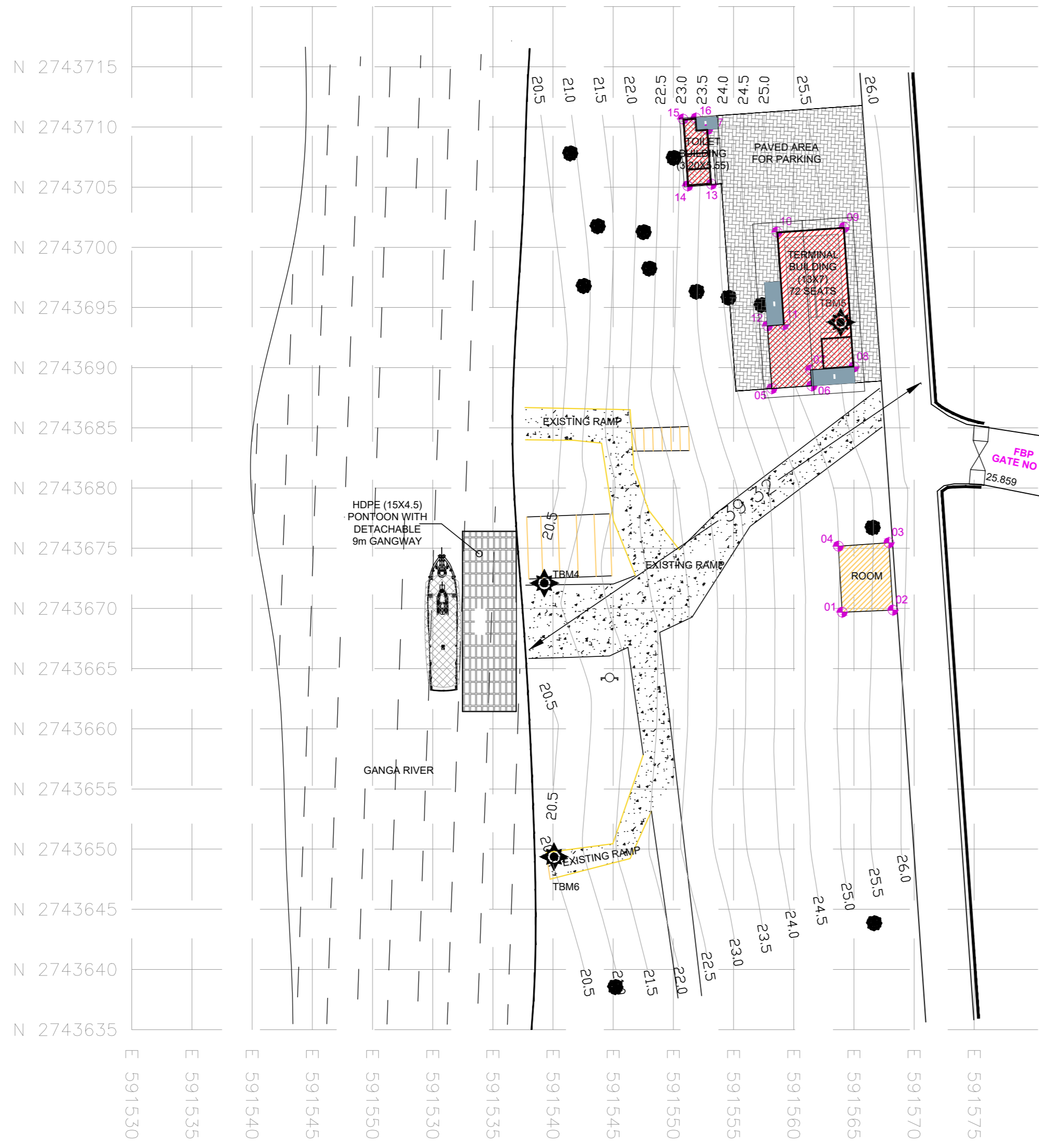
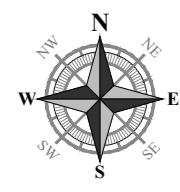
**Subject:** Construction of Onshore Facilities at 08 Locations in West Bengal under JMVP-II

**IFB No:** IN-IWAI-411477-CW-RFB-2

**CPP Portal Ref:** 2024\_IWAWB\_805971\_1

**Amendment – 1**

<b>S. No.</b>	<b>Bid document Section, Clause</b>	<b>As per Bidding Documents/ previous amendment</b>	<b>Amended</b>
1.	ITB 5.3(i), Page no 7	The set of bidding documents comprise of the following: i. Layout Drawings of the works;	The set of bidding documents comprise of: i. Layout Drawings of the works etc; (attached herewith)
All other terms and conditions shall remain unaltered			



T.B.M. POINTS			
PONT I.D.	NORTHING	EASTING	ELEVATION
T.B.M. 4	2743672.0970	591539.2730	20.858
T.B.M. 5	2743693.7740	591563.9000	26.604
T.B.M. 6	2743649.3650	591540.0790	20.556

**NOTE:**

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING
- 3. PROPOSED RAMP

CO - ORDINATES		
COORDPNT	EAST	NORTH
01	591564.0239	2743669.6862
02	591568.2360	2743669.8560
03	591567.9078	2743675.4552
04	591563.7011	2743675.1635
05	591558.1828	2743688.2638
06	591561.4899	2743688.4931
07	591561.3986	2743689.8100
08	591564.9899	2743690.0591
09	591564.1858	2743701.6566
10	591558.6042	2743701.2696
11	591559.1385	2743693.5631
12	591557.8217	2743693.4718
13	591553.1626	2743705.2457
14	591551.1843	2743705.1085
15	591550.7999	2743710.6527
16	591551.8803	2743710.7276
17	591552.8467	2743709.8008

DETAILS	
Location	Goraipara
Plot Size	295 sqm
Building Area	96 sqm
FFL For Terminal (M)	+25.30
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	2200
Total Design Year Traffic (Average No of persons per day) in 2052	5971
Design Peak Hour (10%) in no of passenger	598
Design Trip Max.Capacity in no of passenger	75
Seating Capacity (75%) (No of seats)	56

REVISION			
Rev.No.	PARTICULARS	INITIAL	DATE

**KITCO Ltd.**  
(Estd. in 1972 by IDBI & Govt. of Kerala)

the consultants MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

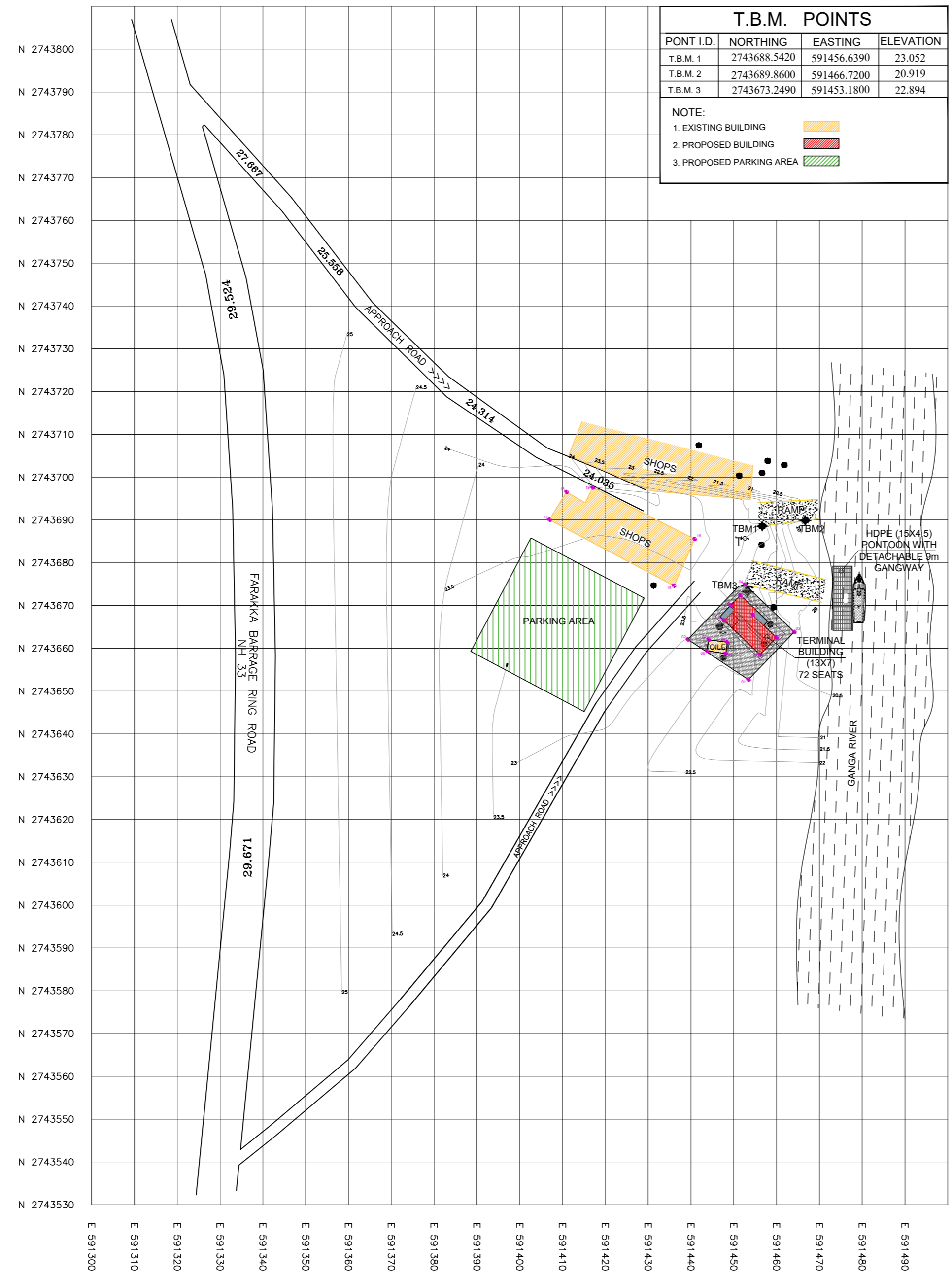
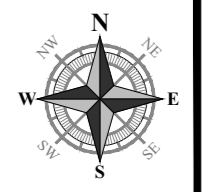
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

TITLE: **:- GORAIPARA :- SITE PLAN**

DRG NO:	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED:	CHECKED:	DRAWN:	DRG CHECKED:	APPROVED:
ISSUED FOR: <b>TENDER PURPOSE</b>			UNIT: mm.	DATE: 05.08.2023

This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand

S:\WORKS\1083\_MW\DWG\WORKING SITE PLAN\03\_WEST BENGAL\01\_GORAIPARA\_GHAT SET\DWG\_30101.2024



T.B.M. POINTS			
PONT I.D.	NORTHING	EASTING	ELEVATION
T.B.M. 1	2743688.5420	591456.6390	23.052
T.B.M. 2	2743689.8600	591466.7200	20.919
T.B.M. 3	2743673.2490	591453.1800	22.894


NOTE:

- EXISTING BUILDING
- PROPOSED BUILDING
- PROPOSED PARKING AREA

COORDPNT	EAST	NORTH
01	591453.4043	2743652.7006
02	591439.2749	2743662.0761
03	591464.1576	2743663.8614
04	591452.6140	2743674.8970
05	591448.1358	2743658.7498
06	591443.8010	2743659.4200
07	591444.1493	2743662.0175
08	591448.4958	2743661.4347
09	591456.1254	2743658.4923
10	591459.9916	2743662.5365
11	591454.4078	2743667.8747
12	591451.5464	2743672.4363
13	591449.2557	2743670.0401
14	591447.7222	2743666.5257
15	591436.0445	2743674.6173
16	591440.8630	2743685.5170
17	591406.9639	2743690.0379
18	591410.9153	2743696.5380
19	591417.0380	2743697.5700

DETAILS	
Location	Goraipara Village side
Plot Size	283 sqm
Building Area	96 sqm
FFL For Terminal (M)	+21.30
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	2200
Total Design Year Traffic (Average No of persons per day) in 2052	5218
Design Peak Hour (10%) in no of passenger	598
Design Trip Max.Capacity in no of passenger	75
Seating Capacity (75%) (No of seats)	56

REVISION			
Rev.No.	PARTICULARS	INITIAL	DATE



**KITCO Ltd.**  
(Estd. in 1972 by IDBI & Govt. of Kerala)  
MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

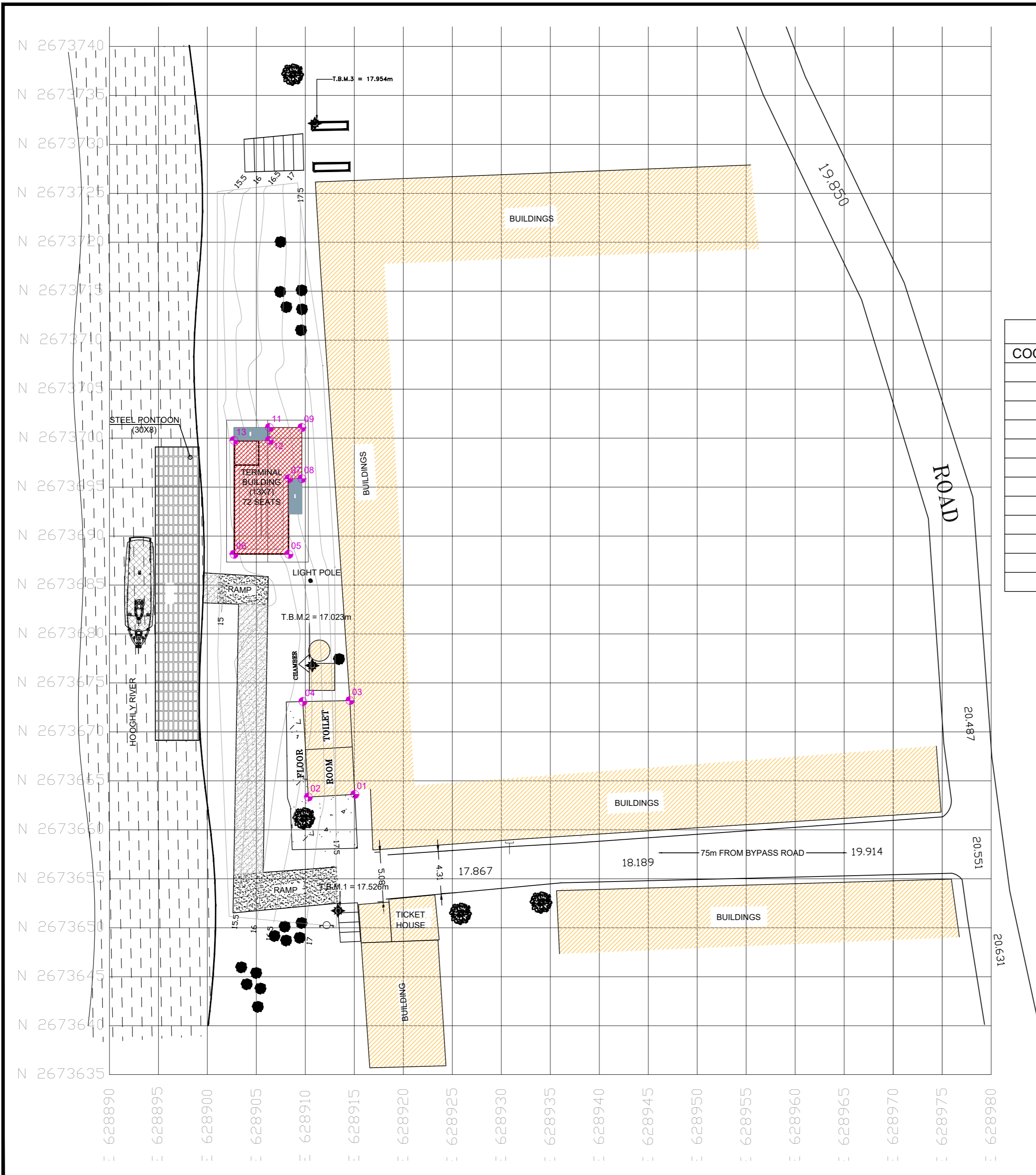
TITLE: -:- GORAIPARA VILLAGE SIDE :-: SITE PLAN

DRG NO:	SHEET NO:	REV.	SCALE:
	1 OF 1		NTS
DESIGNED:	CHECKED:	DRAWN:	APPROVED:

ISSUED FOR: **TENDER PURPOSE**      UNIT: mm.      DATE: 05.08.2023

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### T.B.M. POINTS

SL.NO.	PONT I.D.	NORTHING	EASTING	ELEVATION
1.	T.B.M. 1	2673651.734	628913.329	17.526
2.	T.B.M. 2	2673676.7806	628910.6946	17.023
3.	T.B.M. 3	2673732.1364	628910.9645	17.954

**NOTE:**

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING
- 3. PROPOSED RAMP

### CO - ORDINATES

COORDPNT	EAST	NORTH
01	628915.0329	2673663.6129
02	628910.3048	2673663.3430
03	628914.5445	2673673.1963
04	628909.7317	2673673.0939
05	628908.3152	2673688.1357
06	628902.7202	2673688.1357
07	628908.3152	2673695.8607
08	628909.6352	2673695.8607
09	628909.6352	2673701.0812
11	628906.3202	2673701.0812
12	628906.3202	2673699.7611
13	628902.7202	2673699.7611

### DETAILS

Location	Lalbagh Ghat
Plot Size	415 sqm
Building Area	96 sqm
FFL For Terminal (M)	+17.30
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	2000
Total Design Year Traffic (Average No of persons per day) in 2052	13017
Design Peak Hour (10%) in no of passenger	1301
Design Trip Max.Capacity in no of passenger	163
Seating Capacity (45%) (No of seats)	72

### REVISION

Rev.No.	PARTICULARS	INITIAL	DATE



**KITCO Ltd.**  
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MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

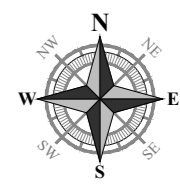
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

TITLE: :- LALBAGH GHAT :- SITE PLAN

DRG NO:	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED:	CHECKED:	DRAWN:	DRG CHECKED:	APPROVED:
ISSUED FOR: <b>TENDER PURPOSE</b>			UNIT: mm.	DATE: 05.08.2023

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### REFERENCE POINT

SL.NO.	PONT I.D.	NORTHING	EASTING
1.	A	2744643.6985	592598.5561
2.	B	2744664.1845	592666.8043
3.	C	2744537.9019	592710.9904
4.	D	2744514.1425	592646.2805
5.	T.B.M. 1	2744558.3590	592627.9610
6.	T.B.M. 2	2744572.0500	592625.5760


**NOTE:**

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING
- 3. PROPOSED RAMP

COORDPNT	NORTH	EAST
01	592614.7210	2744573.0920
02	592618.4300	2744574.2294
03	592617.7079	2744576.9943
04	592614.0142	2744575.8616
05	592615.6310	2744577.4705
06	592620.9060	2744579.3357
07	592618.2601	2744586.5938
08	592619.5753	2744587.0588
09	592617.8350	2744591.9807
10	592614.7096	2744590.8756
11	592615.1497	2744589.6311
12	592611.7556	2744588.4310
13	592608.7856	2744596.8309
14	592611.3071	2744597.7224
15	592613.6085	2744599.8620
16	592613.2475	2744600.8830
18	592608.0079	2744599.0304

DETAILS	
Location	Taltala Ghat
Plot Size	415 sqm
Building Area	96 sqm
FFL For Terminal (M)	+29.80
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	2200
Total Design Year Traffic (Average No of persons per day) in 2052	5218
Design Peak Hour (10%) in no of passenger	598
Design Trip Max.Capacity in no of passenger	75
Seating Capacity (75%) (No of seats)	56

REVISION			
Rev.No.	PARTICULARS	INITIAL	DATE



### KITCO Ltd.

(Estd. in 1972 by IDBI & Govt. of Kerala)

MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

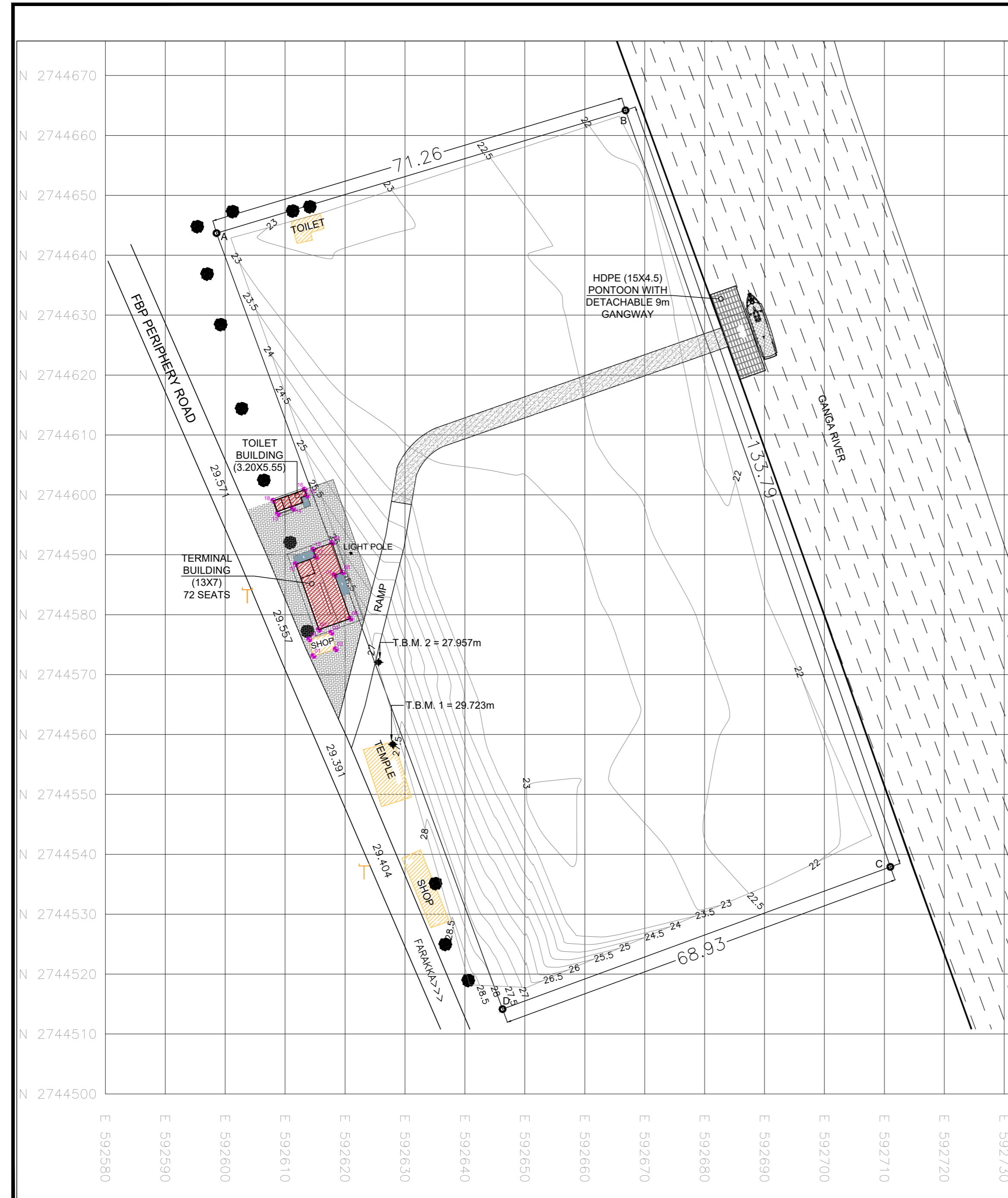
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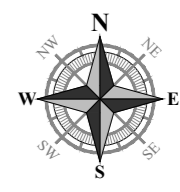
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

TITLE: TALTHALA - SITE PLAN

DRG NO:	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED:	CHECKED:	DRAWN:	DRG CHECKED:	APPROVED:
ISSUED FOR: <b>TENDER PURPOSE</b>			UNIT: mm.	DATE: 05.08.2023

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### T.B.M. POINTS

SL.NO.	PONT I.D.	NORTHING	EASTING	ELEVATION
3.	T.B.M. 3	2636812.2807	623821.0124	17.044
4.	T.B.M. 4	2636828.75808	623806.6591	15.064
5.	T.B.M. 5	2636824.0672	623773.5999	15.991

LEGEND:

1. EXISTING BUILDING	
2. PROPOSED BUILDING	
3. PROPOSED RAMP	

### CO - ORDINATES

COORDPNT	EAST	NORTH
01	623733.0169	2636820.5156
03	623727.7746	2636824.1869
02	623736.6882	2636825.7579
04	623731.4459	2636829.4292
05	623723.6705	2636832.2656
06	623724.8060	2636833.9164
07	623719.1142	2636835.4478
08	623721.0625	2636836.5058

### DETAILS

Location	Narkelbari Ghat
Plot Size	415
Building Area	58.22 sqm
FFL For Terminal (M)	+16.30
Type of Jetty	STEEL
Total Base Year Traffic (Average No of persons per day) in 2022	550
Total Design Year Traffic (Average No of persons per day) in 2052	1899
Design Peak Hour (10%) in no of passenger	190
Design Trip Max.Capacity in no of passenger	24
Seating Capacity (75%) (No of seats)	18

### REVISION

Rev.No.	PARTICULARS	INITIAL	DATE



**KITCO Ltd.**  
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MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

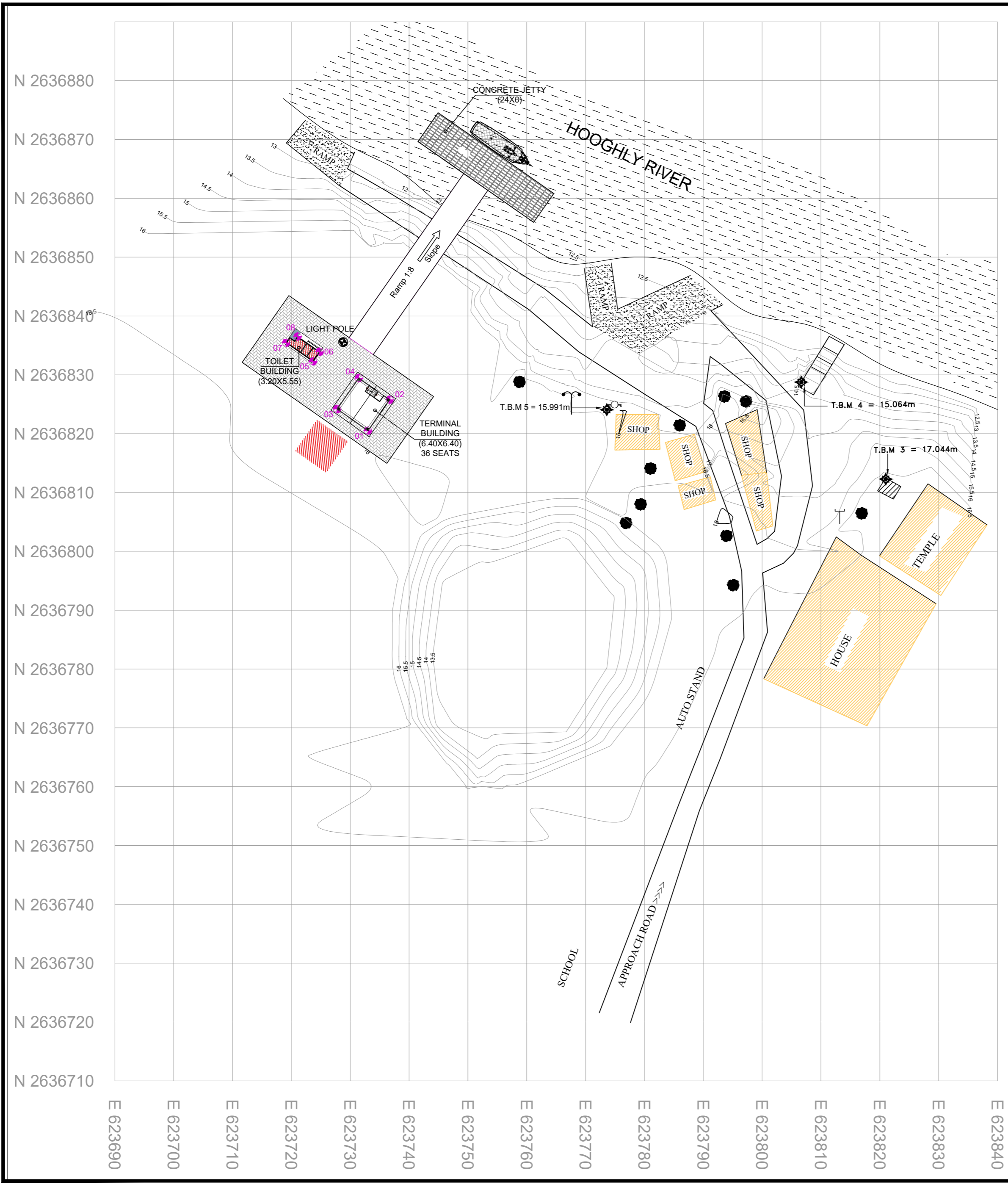
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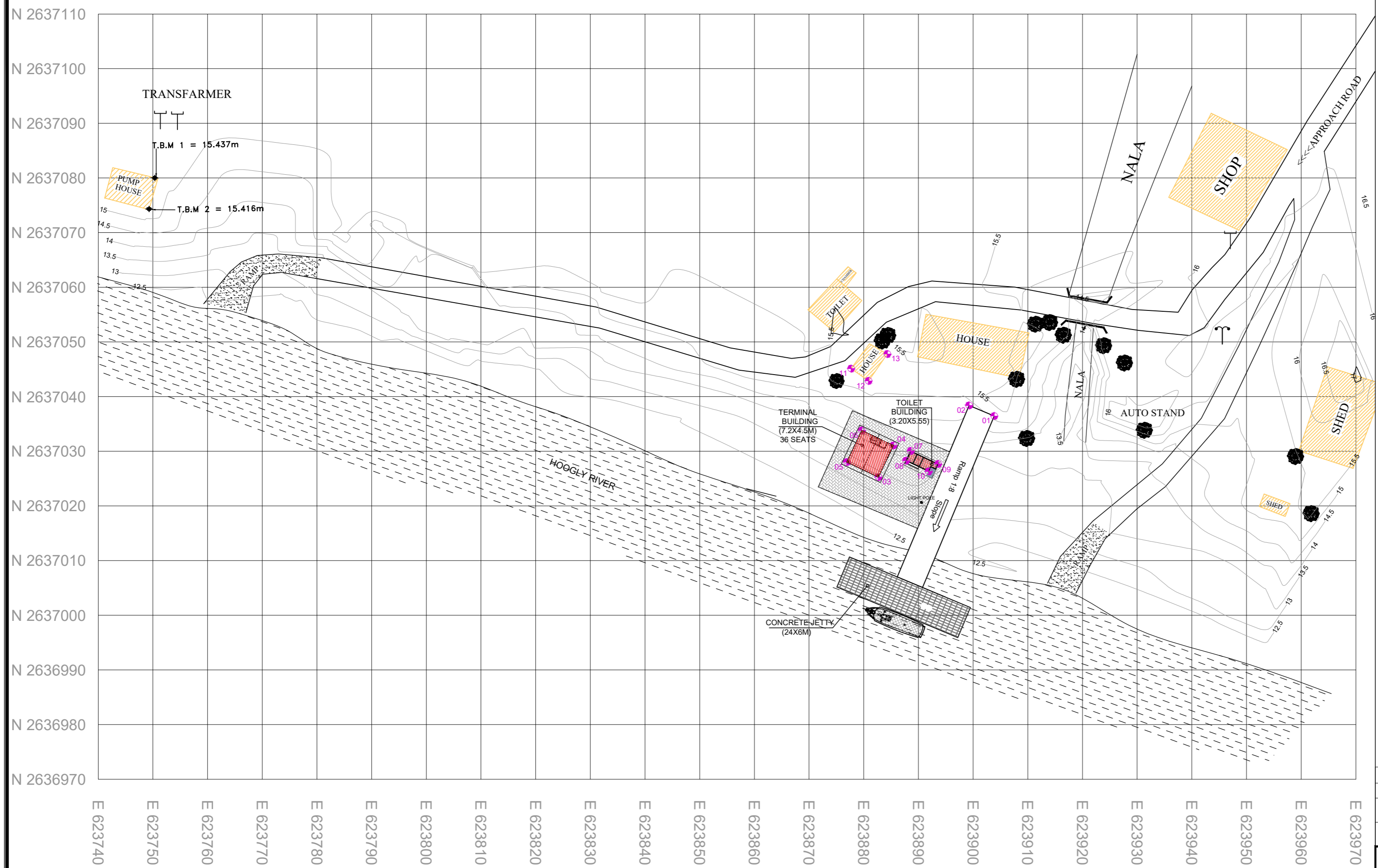
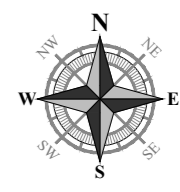
DRG NO:	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
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DESIGNED:	CHECKED:	DRAWN:	DRG. CHECKED:	APPROVED:
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ISSUED FOR: <b>TENDER PURPOSE</b>	UNIT: mm.	DATE: 28.01.2023
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CO-ORDINATES		
COORDPNT	EAST	NORTH
01	623903.8728	2637036.4579
02	623899.2596	2637038.3862
03	623882.6877	2637025.2839
04	623885.4308	2637031.0662
05	623876.9054	2637028.0270
06	623879.6485	2637033.8093
07	623888.5882	2637030.0601
08	623887.7383	2637028.2684
09	623893.6094	2637027.6781
10	623891.8636	2637026.3114
11	623877.6809	2637045.1202
12	623880.8836	2637042.8719
13	623884.3118	2637047.7868

DETAILS	
Location	Maganpara Ghat
Plot Size	296.70 sqm
Building Area	58.22 sqm
FFL For Terminal (M)	+13.80
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	400
Total Design Year Traffic (Average No of persons per day) in 2052	1899
Design Peak Hour (10%) in no of passenger	190
Design Trip Max. Capacity in no of passenger	24
Seating Capacity (75%) (No of seats)	18

REVISION			
Rev.No.	PARTICULARS	INITIAL	DATE

T.B.M. POINTS				
SL.NO.	PONT I.D.	NORTHING	EASTING	ELEVATION
1.	T.B.M. 1	2637080.0163	623750.3399	17.044
2.	T.B.M. 2	2637074.3192	623749.3079	15.064

1. EXISTING BUILDING	
2. PROPOSED BUILDING	
3. PROPOSED RAMP	

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 MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

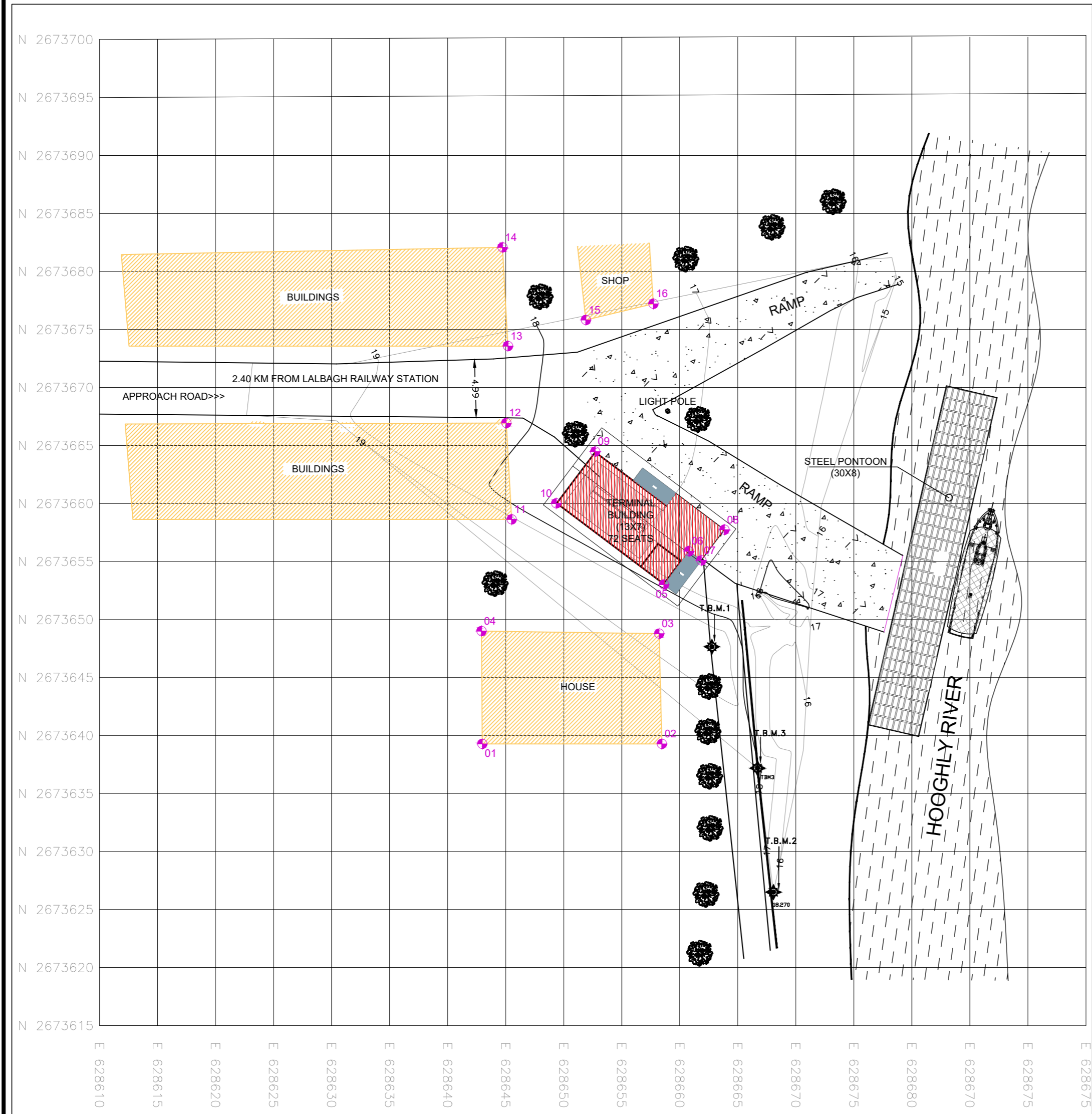
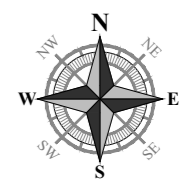
TITLE: :- MAGANPARA GHAT :- SITE PLAN

DRG NO:	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED:	CHECKED:	DRAWN:	DRG. CHECKED:	APPROVED:

ISSUED FOR: TENDER PURPOSE      UNIT: mm.      DATE: 28.01.2023

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### T.B.M. POINTS

SL.NO.	PONT I.D.	NORTHING	EASTING	ELEVATION
1.	T.B.M. 1	2673647.6489	628662.7729	17.420
2.	T.B.M. 2	2673626.4910	628668.0710	18.269
3.	T.B.M. 3	2673637.1927	628666.7007	18.272

NOTE:

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING

### CO - ORDINATES

COORDPNT	EAST	NORTH
01	628642.9824	2673639.2788
02	628658.4646	2673639.2788
03	628658.2268	2673648.7797
04	628642.9107	2673649.0026
05	628658.6350	2673653.0142
06	628660.8017	2673655.8892
07	628661.8559	2673655.0947
08	628663.8511	2673657.7420
09	628652.7184	2673664.4793
10	628649.3510	2673660.0111
11	628645.5200	2673658.6295
12	628645.0557	2673666.9424
13	628645.1962	2673673.5735
14	628644.7215	2673682.0755
15	628651.9088	2673675.8181
16	628657.7345	2673677.2161

### DETAILS

Location	Lalbagh Court Ghat
Plot Size	415 sqm
Building Area	96 sqm
FFL For Terminal (M)	+17.30
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	2000
Total Design Year Traffic (Average No of persons per day) in 2052	13017
Design Peak Hour (10%) in no of passenger	1301
Design Trip Max.Capacity in no of passenger	163
Seating Capacity (45%) (No of seats)	72

### REVISION

Rev.No.	PARTICULARS	INITIAL	DATE

## KITCO Ltd.

(Estd. in 1972 by IDBI & Govt. of Kerala)

MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

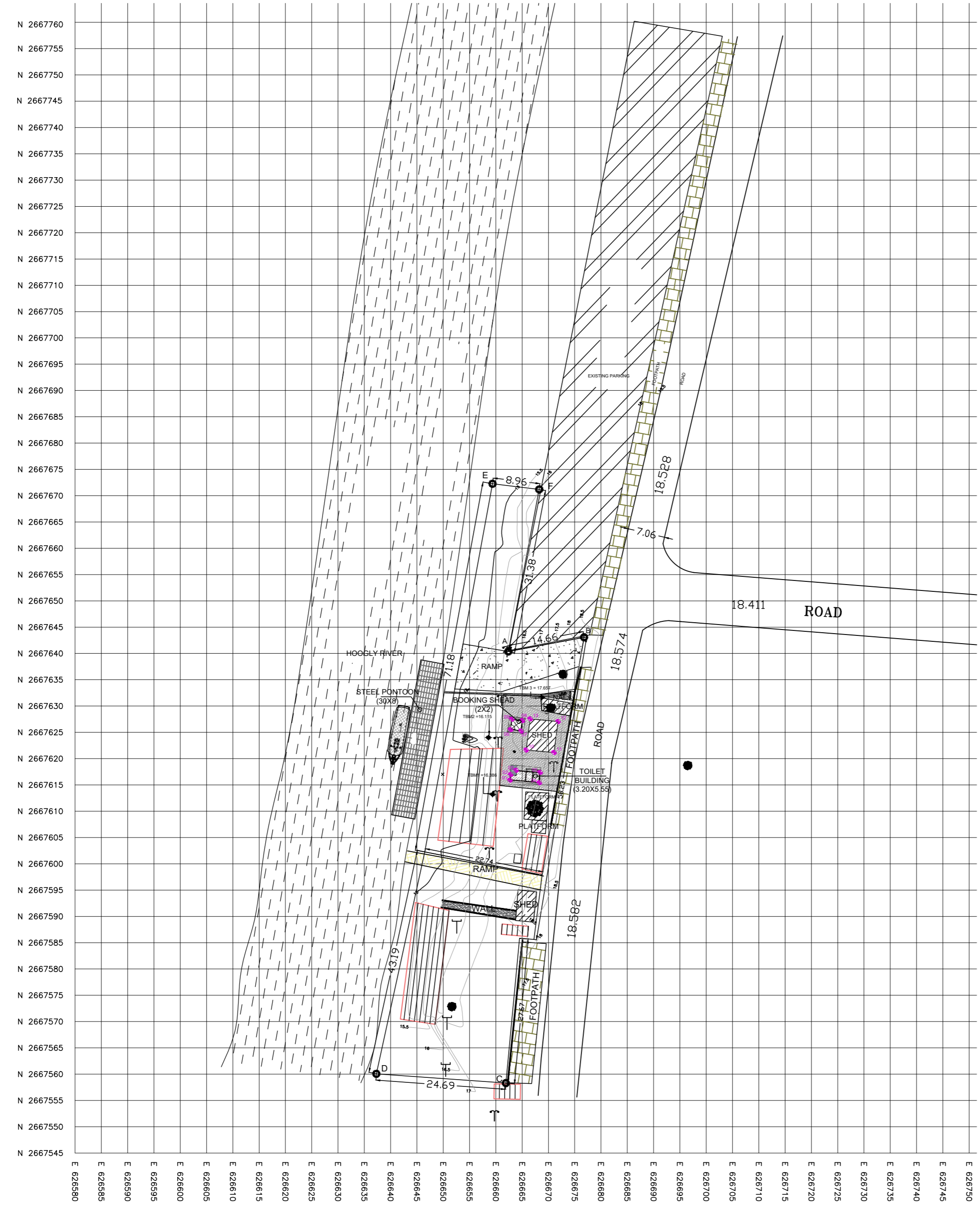
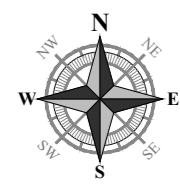
TITLE: LALBAGH COURT GHAT :- SITE PLAN

DRG NO:	SHEET NO:	REV.	SCALE:
	1 OF 1		NTS A2
DESIGNED:	CHECKED:	DRAWN:	DRG. CHECKED:
ISSUED FOR:	UNIT:	DATE:	
TENDER PURPOSE	mm.	05.08.2023	

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S:\WORKS\Y083\MA\CHN\WORKING SITE PLAN\03\_WEST BENGAL\12\_LALBAGH COURT GHAT COORDING\_30.07.2024





REFERENCE POINT			
SL.NO.	PONT I.D.	NORTHING	EASTING
1.	A	2667640.3758	626662.3726
2.	B	22667643.0658	626676.7903
3.	C	2667558.3035	626661.9058
4.	D	2667560.0629	626637.2821
5.	E	2667672.2701	626659.3659
6.	F	2667671.1975	626668.2565
7.	T.B.M. 1	2667613.1950	626659.3840
8.	T.B.M. 2	2667624.0020	626658.5860
9.	T.B.M. 3	2667631.6527	626668.7401

CO - ORDINATES		
COORDPNT	EASTING	NORTHING
01	626662.6977	2667615.8963
02	626662.7922	2667616.9751
03	626663.8585	2667617.7852
04	626668.2340	2667615.4113
05	626668.4070	2667617.3867
06	626662.7926	2667625.5209
07	626664.7748	2667625.2548
08	626665.0410	2667627.2370
09	626663.0588	2667627.5031
10	626665.7430	2667621.6350
11	626671.0678	2667621.1686
12	626671.8390	2667627.0600
13	626666.5380	2667627.5560

DETAILS	
Location	Berhampore
Plot Size	197 sqm
Building Area	15 sqm
FFL For Terminal (M)	+17.30
Type of Jetty	HDPE
Total Base Year Traffic (Average No of persons per day) in 2022	1650
Total Design Year Traffic (Average No of persons per day) in 2052	2989
Design Peak Hour (10%) in no of passenger	298
Design Trip Max.Capacity in no of passenger	37
Seating Capacity (75%) (No of seats)	28

REVISION			
Rev.No.	PARTICULARS	INITIAL	DATE



### KITCO Ltd.

(Estd. in 1972 by IDBI & Govt. of Kerala)

the consultants MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

TITLE: -: BERHAMPORE GHAT -: SITE PLAN

DRG NO:	SHEET NO:	REV.	SCALE:
	1 OF 1		NTS A2

DESIGNED:	CHECKED:	DRAWN:	DRG CHECKED:	APPROVED:

ISSUED FOR: **TENDER PURPOSE**      UNIT: mm.      DATE: 05.08.2023

This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand

S:\WORKS\1083\MA\DWG\WORKING SITE PLAN\03\_WEST BENGAL\10\_BERHAMPUR GHAT CAULDRING\_30.07.2024

### JOINERY SCHEDULE

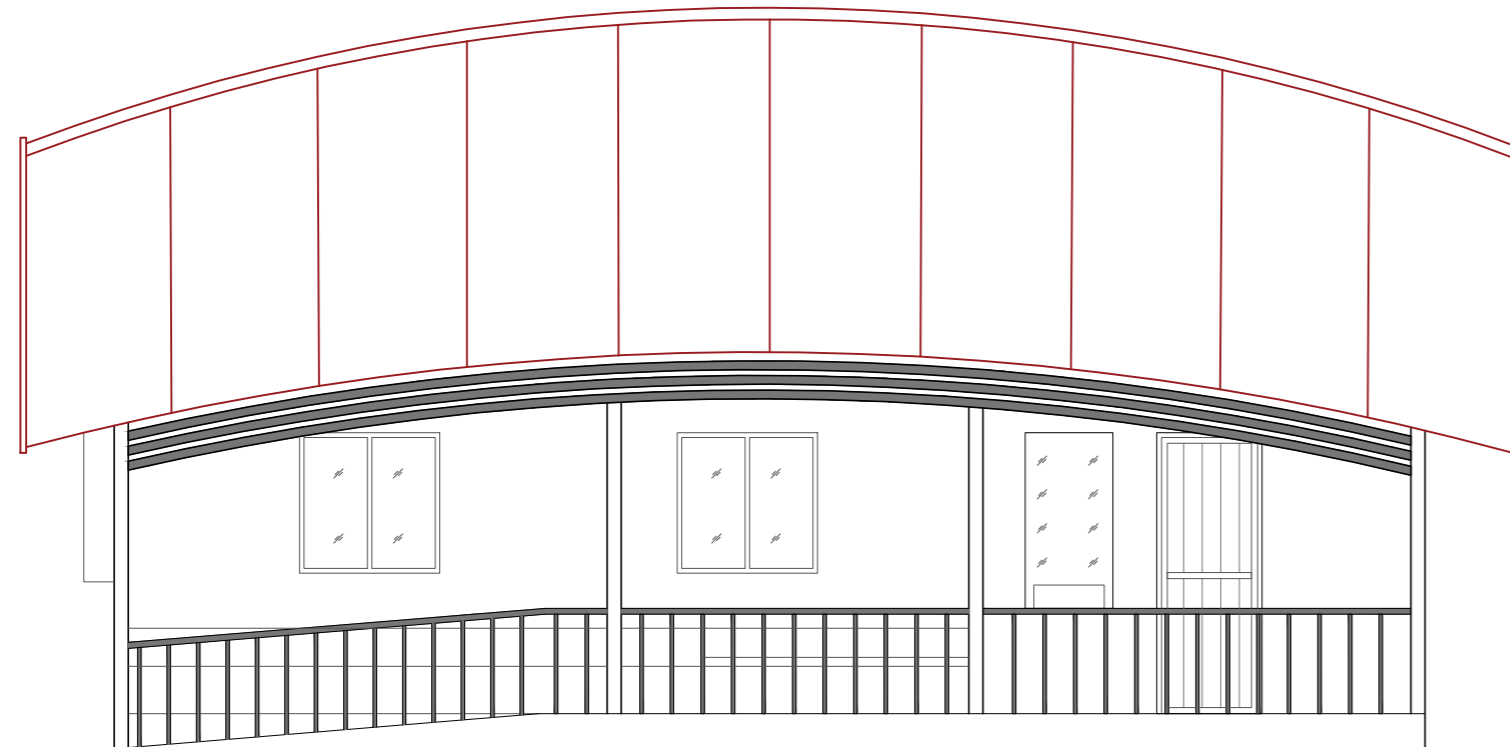
NAME	WIDTH	HEIGHT	TYPE OF OPENING
D1	900	2400	FRP DOOR
FG	750	1500	FIXED GLASS
W1	1200	1200	AL. FIXED WINDOW

### FINISHING SCHEDULE

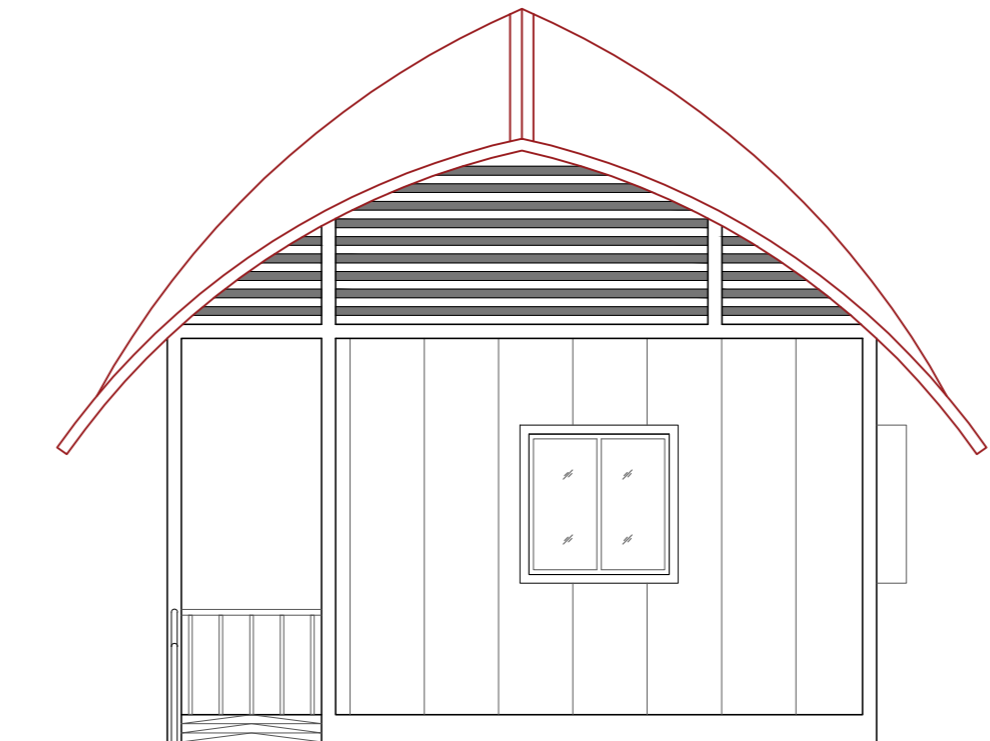
FACILITIES	FLOORING	ROOF	INTERIOR WALLS	EXTERIOR WALLS
WAITING AREA AND TICKET COUNTER	KOTA STONE FLOORING	GALVALUME SHEET ROOFING	AEROCON PANEL WITH EXTERIOR EMULSION PAINT	AEROCON PANEL WITH EXTERIOR GRADE EMULSION PAINT ALONG WITH TEXTURED PAINT AS PER DESIGN
RAMP AND STEP				
TICKET COUNTER	GRANITE			

#### NOTE:

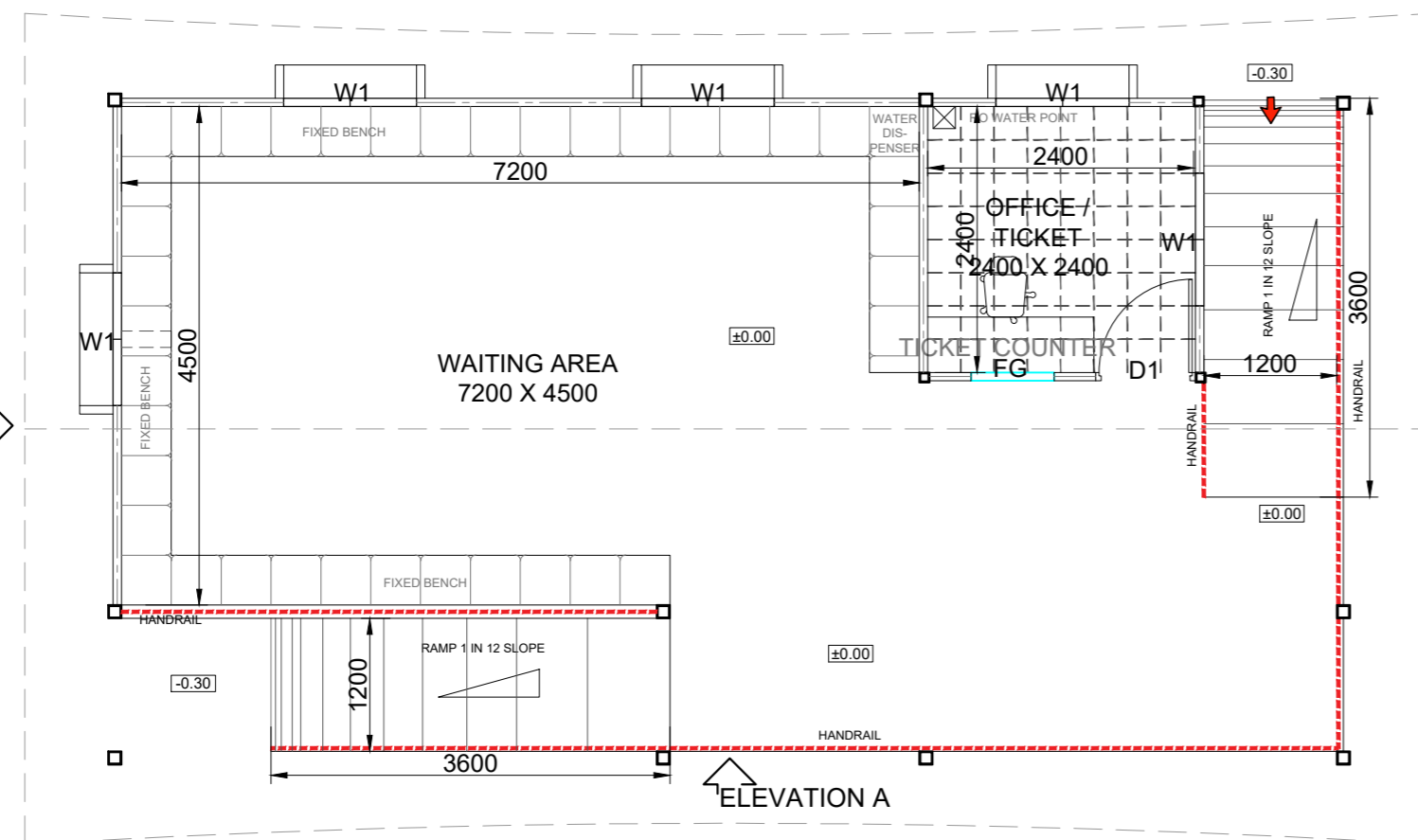
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
- ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
- ±0.00m LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
- HFL TO BE VERIFIED AND CONSIDERED BEFORE COMMENCEMENT OF THE PROJECT, AT EACH OF THE SITE.
- LIGHTING FIXTURES, PLUMBING FIXTURES, AND OTHER HARDWARE AND AMENITIES SHOULD BE MADE VANDAL RESISTANT/PROOF.
- THE PROPOSED STRUCTURES HAVE TO COMPLY WITH THE LATEST EDITION OF HARMONISED GUIDELINES AND SPACE STANDARDS 2016 TO MAKE THE FACILITIES DISABLED FRIENDLY.



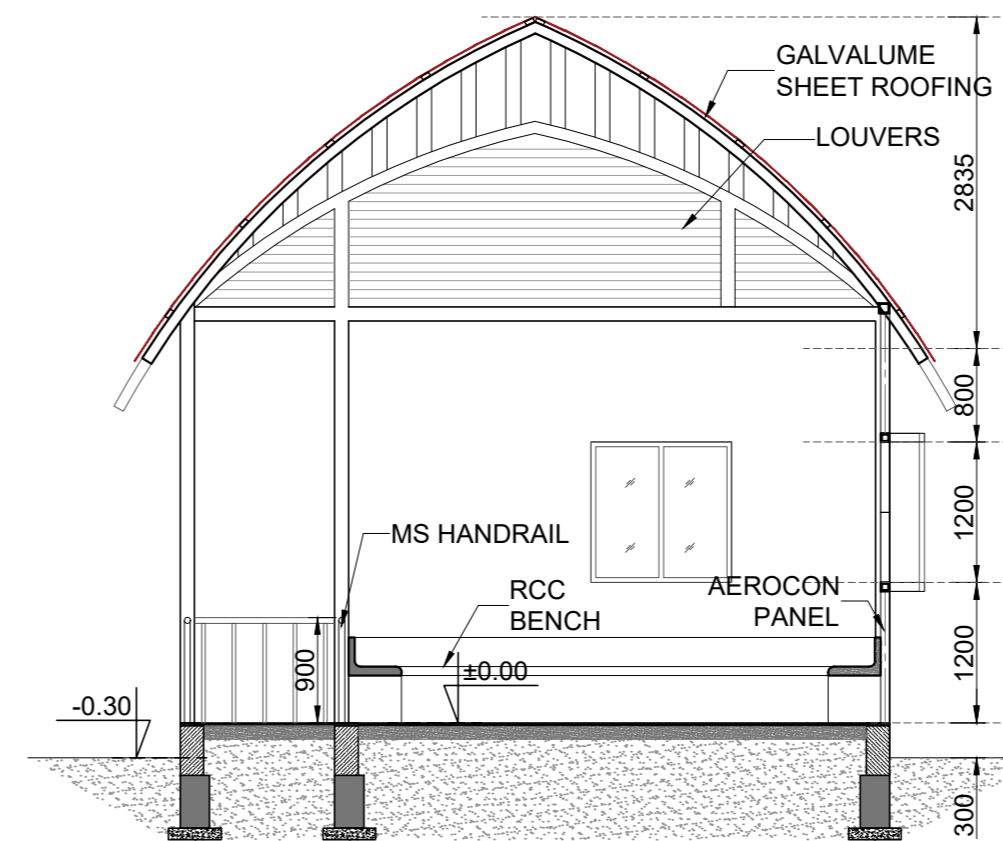
ELEVATION - A




ELEVATION - B



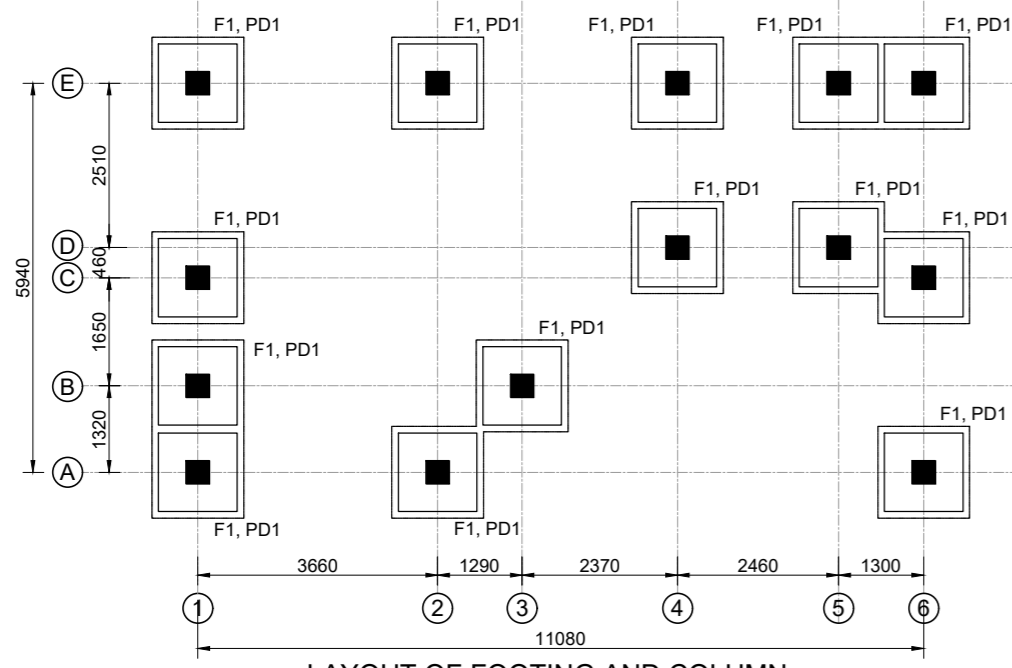
PLAN



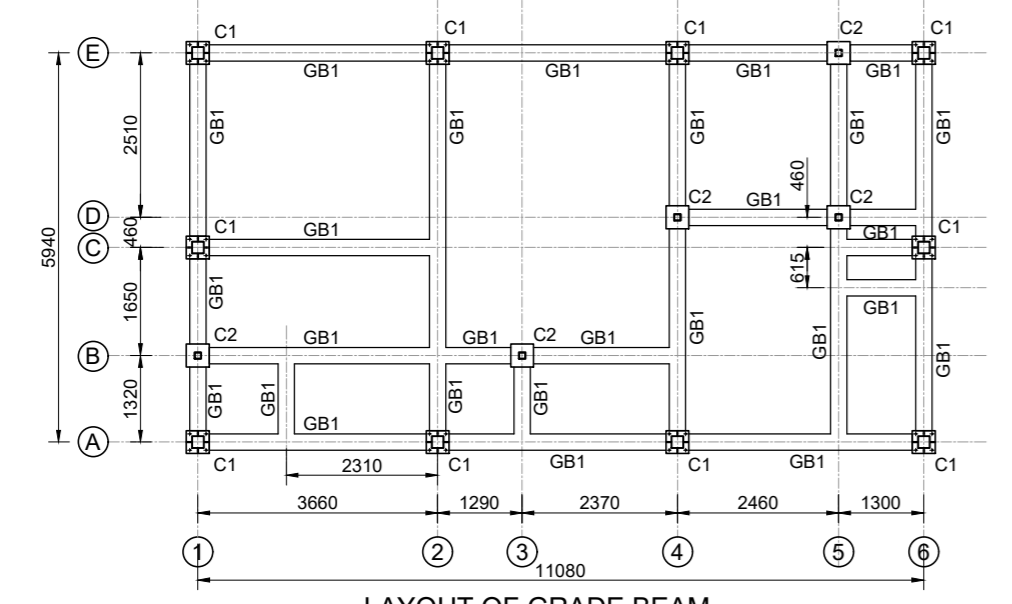
SECTION A - A

Rev.No.	PARTICULARS	INITIAL	DATE
<b>REVISION</b>			
 the consultants		<b>KITCO Ltd.</b> (Estd. in 1972 by IDBI & Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28	
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA			
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II			
TITLE: -: TERMINAL BUILDING MODULE 1:- (WAITING AREA, TICKETING AND OFFICE) PLAN, SECTION AND ELEVATION.			
DRG NO: DP 1083 DRG CL 03 101	SHEET NO: 1 OF 1	REV.	SCALE: NTS A3
DESIGNED: Kiran Kumar	DRAWN: Hari Sankar	CHECKED: Kiran Kumar	VERIFIED: Sansu sunny APPROVED: Lipin K
ISSUED FOR: <b>TENDER PURPOSE</b>		UNIT: mm.	DATE: 03.12.2022
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand			

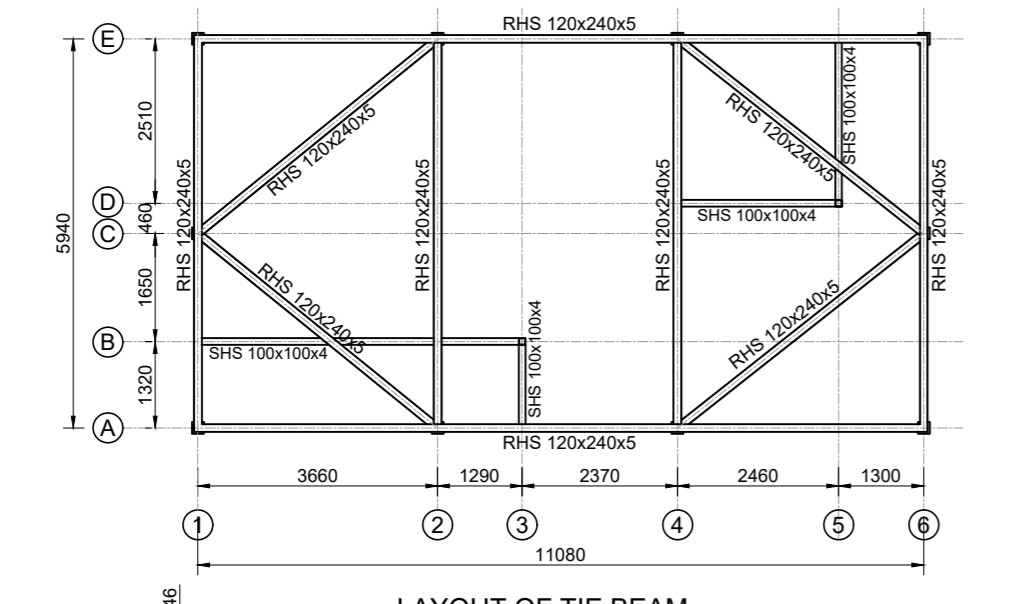
S:\DWGS\1083 IWAI\CIVIL\WORKING\WAI TERMINAL\03-WEST BENGAL\03-101\_ARCH\_TERMINAL BUILDING-MOD 1-WB\_IWAI.dwg\_30.01.2024



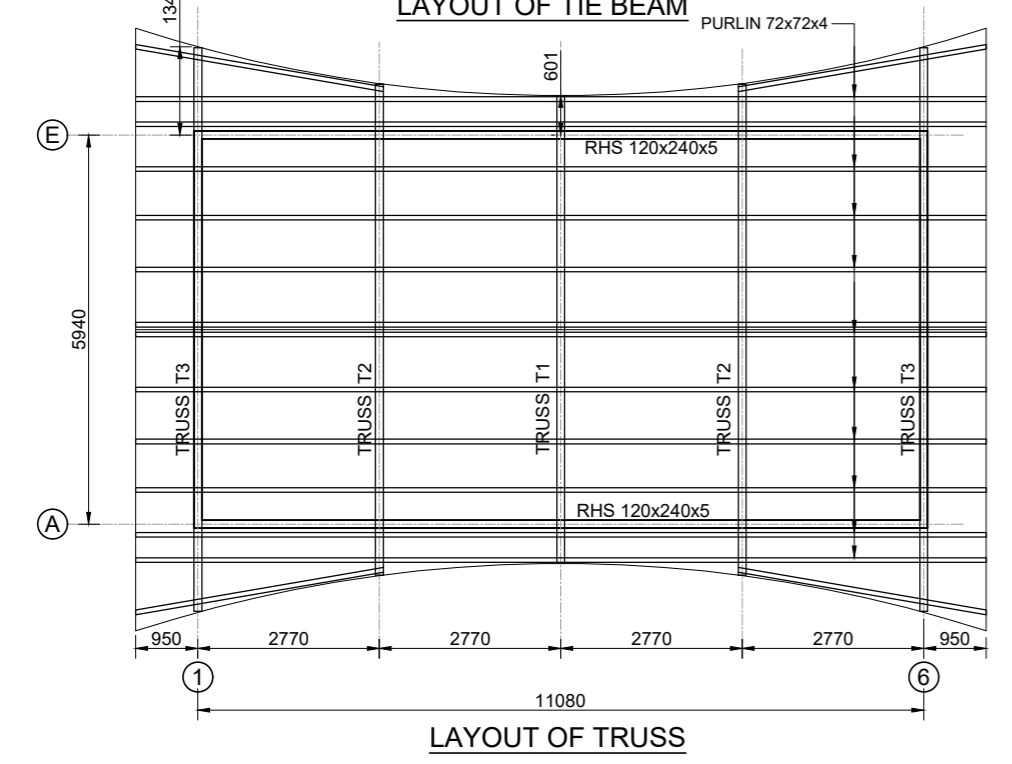
LAYOUT OF FOOTING AND COLUMN



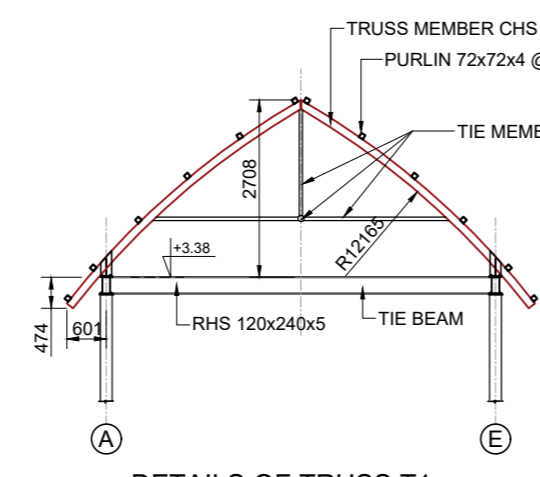
LAYOUT OF GRADE BEAM



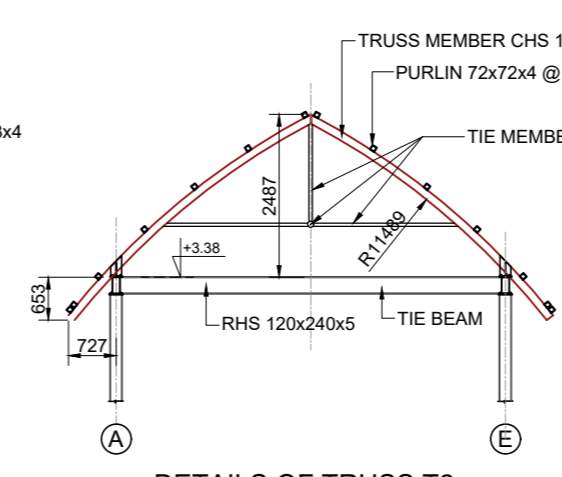
LAYOUT OF TIE BEAM



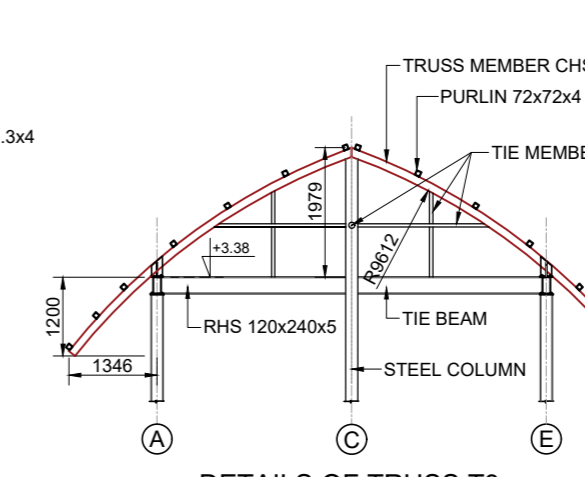
LAYOUT OF TRUSS



DETAILS OF TRUSS T1



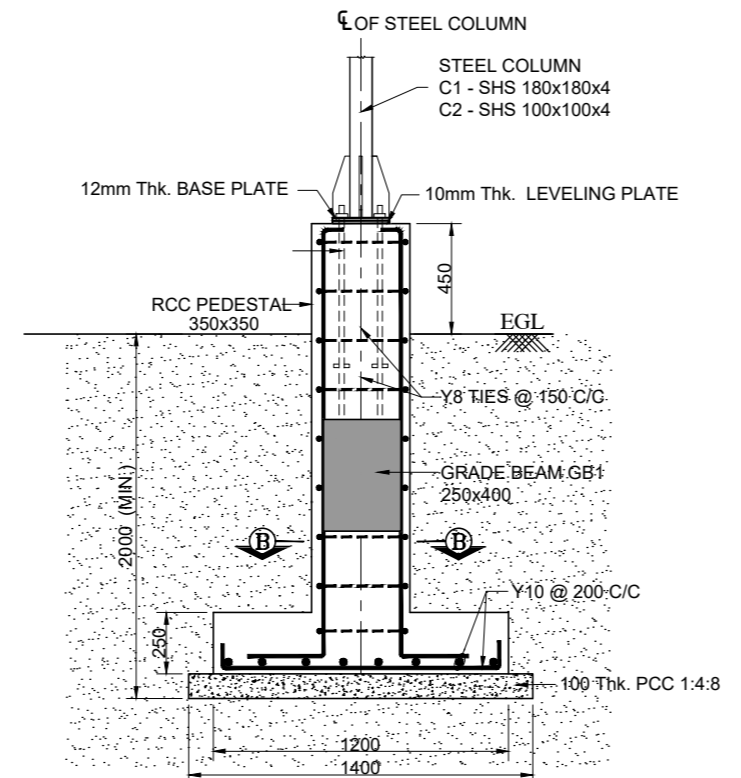
DETAILS OF TRUSS T2



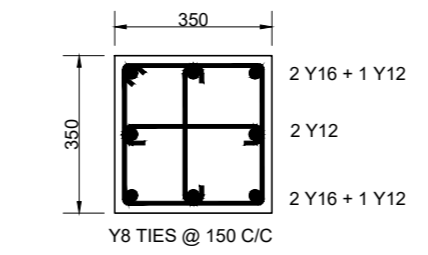
DETAILS OF TRUSS T3 AT GABLE END

GENERAL GUIDANCE FOR FABRICATION & ERECTION

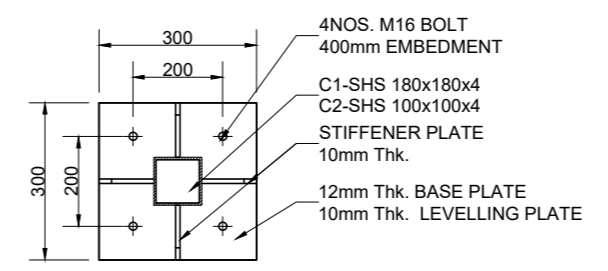
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING AND FOLLOW ONLY WRITTEN DIMENSIONS.
3. STRUCTURAL MEMBERS CONFIRMS TO GRADE Fy 310 FOR HOLLOW SECTIONS AND Fy250 FOR OTHERS.
4. WELDING SHALL BE DONE AS PER IS:816-1969, IS 9595-1996
5. ALL WELDS ARE CONTINUOUS FILLET WELD
6. MINIMUM SIZE OF FILLET WELD SHALL BE EQUAL TO THE LOWEST THICKNESS OF THE CONNECTED MEMBER.
7. THE WELDING TO BE DONE ONLY BY A SKILLED PERSON HAVING RESPECTIVE TRADE CERTIFICATE.
8. ALL GUSSET PLATES ARE 8mm THICK UNLESS SPECIFIED OTHERWISE.
9. STRUCTURAL MEMBERS MUST BE CLEANED OF SLAG AND OTHER DEPOSITS, RUST ETC. USING WIRE BRUSH BEFORE FABRICATION.
10. ALL STEEL MEMBERS ARE TO BE PAINTED WITH ANTI CORROSIVE PAINTING SYSTEM AS PER SPECIFICATION.
11. FABRICATOR SHALL TAKE ACCURATE MEASUREMENTS AT THE SITE AND PREPARE SHOP DRAWINGS BEFORE FABRICATION.
12. ANY MODIFICATION REQUIRED AS PER SITE CONDITION SHALL BE COMMUNICATED TO KITCO DESIGN OFFICE AND GET THE PRIOR APPROVAL FOR EXECUTION.
13. FABRICATION DRAWING PREPARED BY THE CONTRACTOR SHOULD BE SUBMITTED TO DESIGN OFFICE FOR APPROVAL AND GET IT APPROVED BEFORE THE COMMENCEMENT OF FABRICATION (TRUSS LAYOUT 1:100 SCALE AND JOINT DETAILING IN 1:50 & 1:10 SCALE).
14. ANY DISCREPANCY FOUND IN DRAWING WHILE FABRICATING SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS IMMEDIATELY.
15. A SEQUENCE OF ERECTION SHALL BE PREPARED AND SUBMITTED BY FABRICATOR/ERECTOR FOR APPROVAL BY KITCO DESIGN OFFICE AND GET IT APPROVED BEFORE ACTUAL ERECTION COMMENCES.
16. A FULL SCALE LAYOUT SHALL BE LAID OUT ON THE GROUND BEFORE ACTUAL CUTTING OF THE GUSSET PLATES AND MEMBERS.
17. THE LIFTING PATH SHOULD BE CLEAR OF OBSTRUCTION IF NECESSARY, TAIL OR GUIDE ROPES SHOULD BE USED TO ENSURE THAT THE TRUSS DOES NOT ENCOUNTER OBSTRUCTIONS IN COURSE OF HOISTING.
18. ANY DISPLACEMENT CAUSED DURING THE ERECTION SHOULD BE RECTIFIED BEFORE THE LIFTING EQUIPMENT IS RELEASED.



SECTION A-A



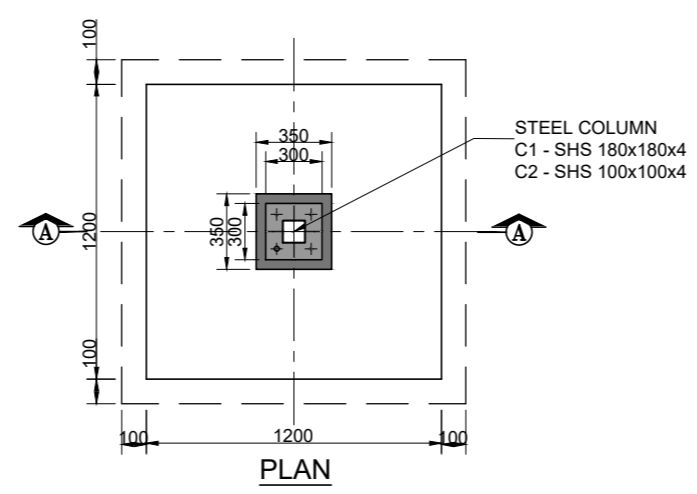
SECTION B-B  
TYPICAL REFT. DETAILS OF PEDESTAL (350 X 350)



TYPICAL DETAILS OF BASE PLATE

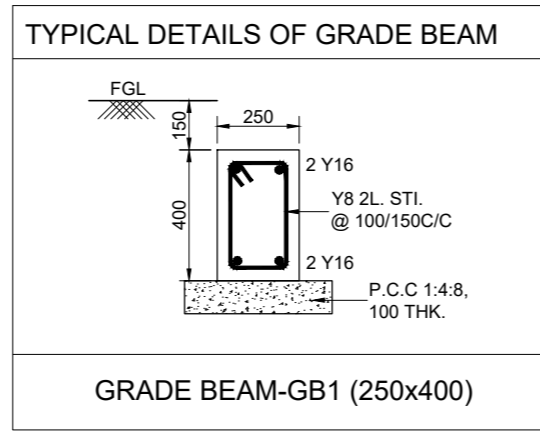
NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED
3. ±0.00 Lvl. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
4. CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX. M30.
5. BEND, HOOK, LAP LENGTH ETC., SHOULD BE TAKEN AS PER IS:456-2000.
6. REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE Fe. 500 D
7. CLEAR COVER TO OUTER REFT. : FOOTING - 50mm, COLUMN - 40mm.
8. DEVELOPMENT LENGTH IN TENSION (Ld) = 46 x BAR DIA.
9. MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA OF BAR.
10. LAP SPICES SHALL BE STAGGERED, NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION
11. LAP SPICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH
12. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING REFER DP. 1083 DRG. CL. 03. 101. SHEET 1 OF 2

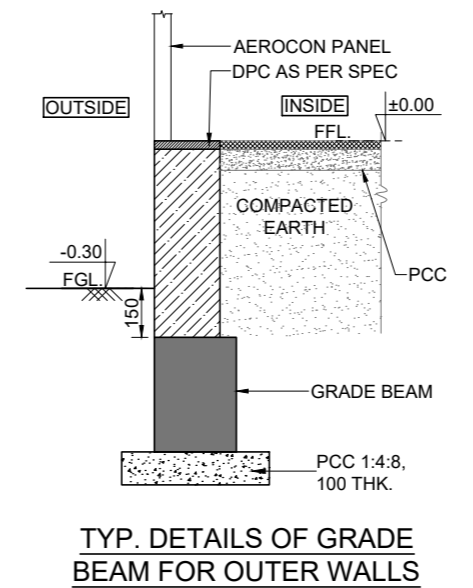


PLAN  
COLUMN FOOTING  
F1 - 1200 x 1200

FOOTING PCC TO BE LAID ON HARD STRATA WHERE SBC IS ASSUMED AS 60KN/SQ.M. AT 2.0m DEPTH. SOIL INVESTIGATION SHALL BE CARRIED OUT AND SBC SHALL BE ENSURED AT SITE BEFORE EXECUTION. ANY VARIATION IN SBC SHALL BE INTIMATED TO DESIGN OFFICE IMMEDIATELY.



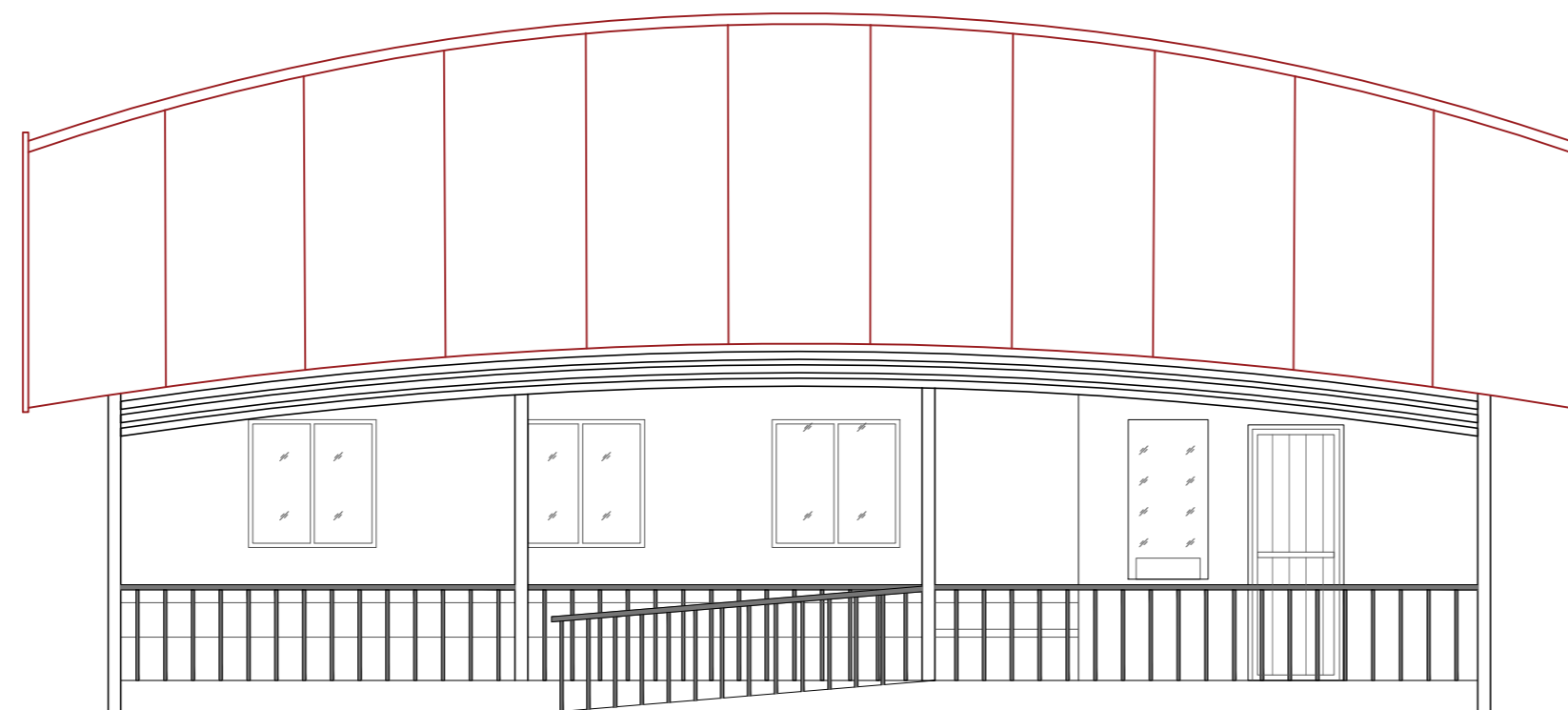
GRADE BEAM-GB1 (250x400)



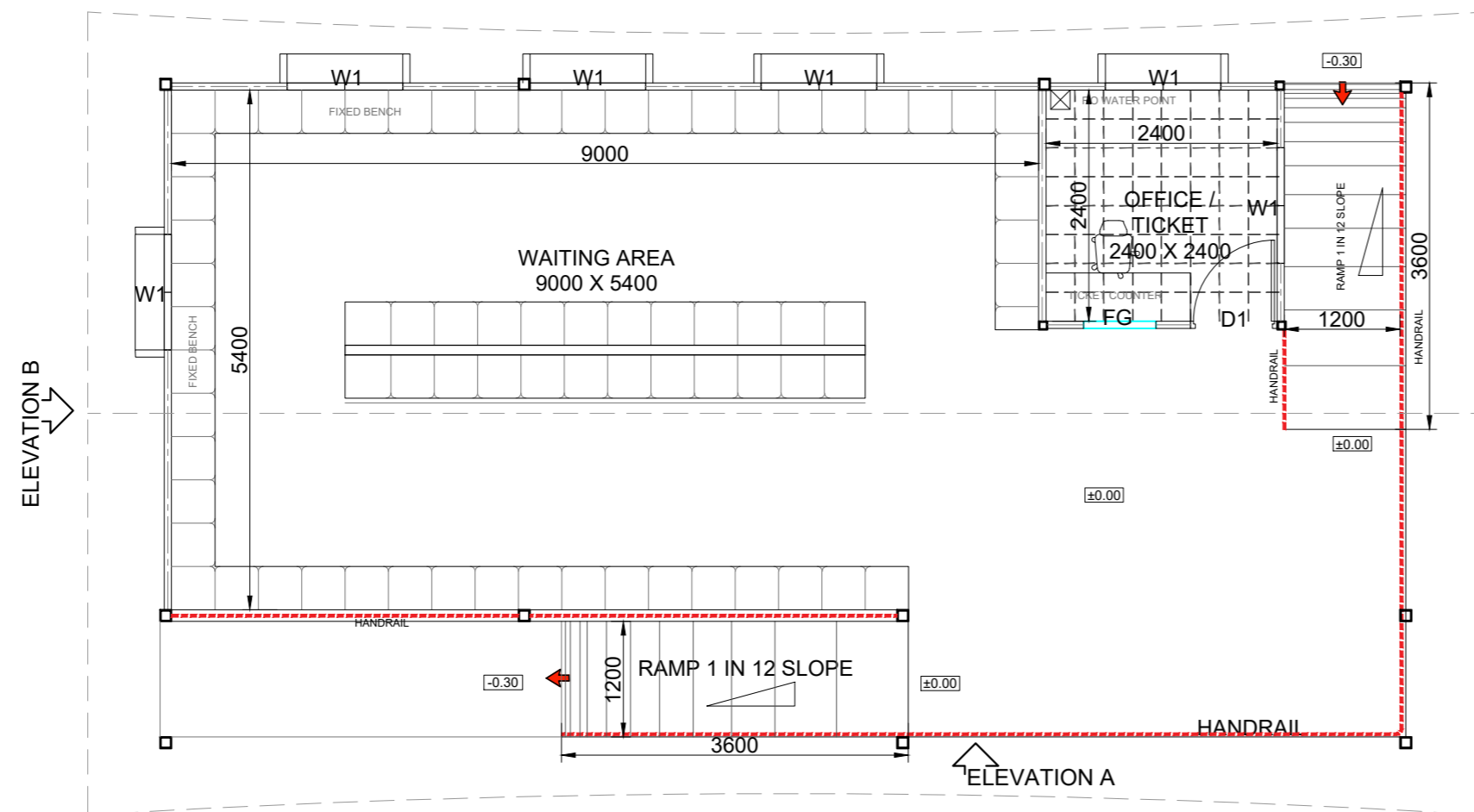
TYP. DETAILS OF GRADE BEAM FOR OUTER WALLS

 the consultants		<b>KITCO Ltd.</b> (Estd. in 1972 by IDBI & Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28	
CLIENT: <b>INLAND WATERWAYS AUTHORITY OF INDIA</b>			
PROJECT: <b>DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN WB UNDER JMVP-II</b>			
TITLE: <b>-: TERMINAL BUILDING MODULE 1:- LAYOUT AND DETAILS OF WAITING AREA, OFFICE AND TICKET COUNTER</b>			
DRG NO: <b>DP 1083 DRG CL 03 101</b>	SHEET NO: <b>2 OF 2</b>	REV.	SCALE: <b>NTS</b>
DESIGNED:	DRAWN: Hari Sankar	CHECKED:	APPROVED:
ISSUED FOR: <b>TENDER PURPOSE</b>		UNIT: mm.	DATE: <b>25.01.23</b>
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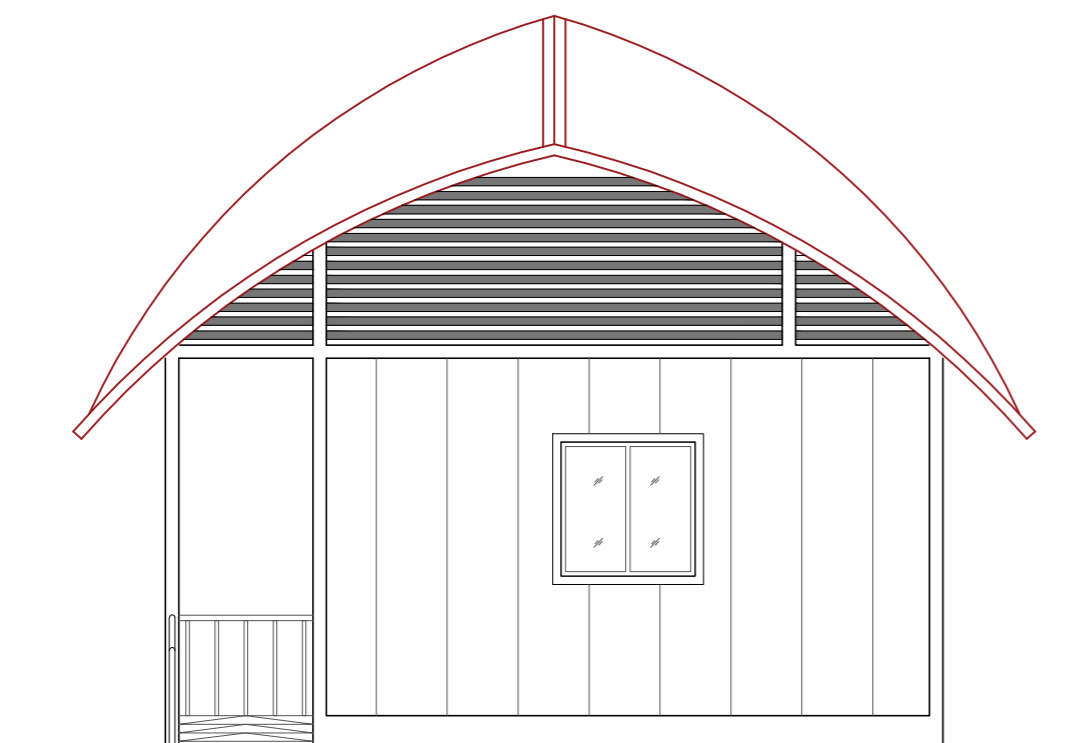
S:\DWGS\1083\_IWA\CAVIL\WORKING\IWA\_TERMINAL\03\_WEST\_BENGAL\03\_101\_STRUCT\_TERMINAL BUILDING\_MODULE 1\_IWA.dwg\_30.01.2024



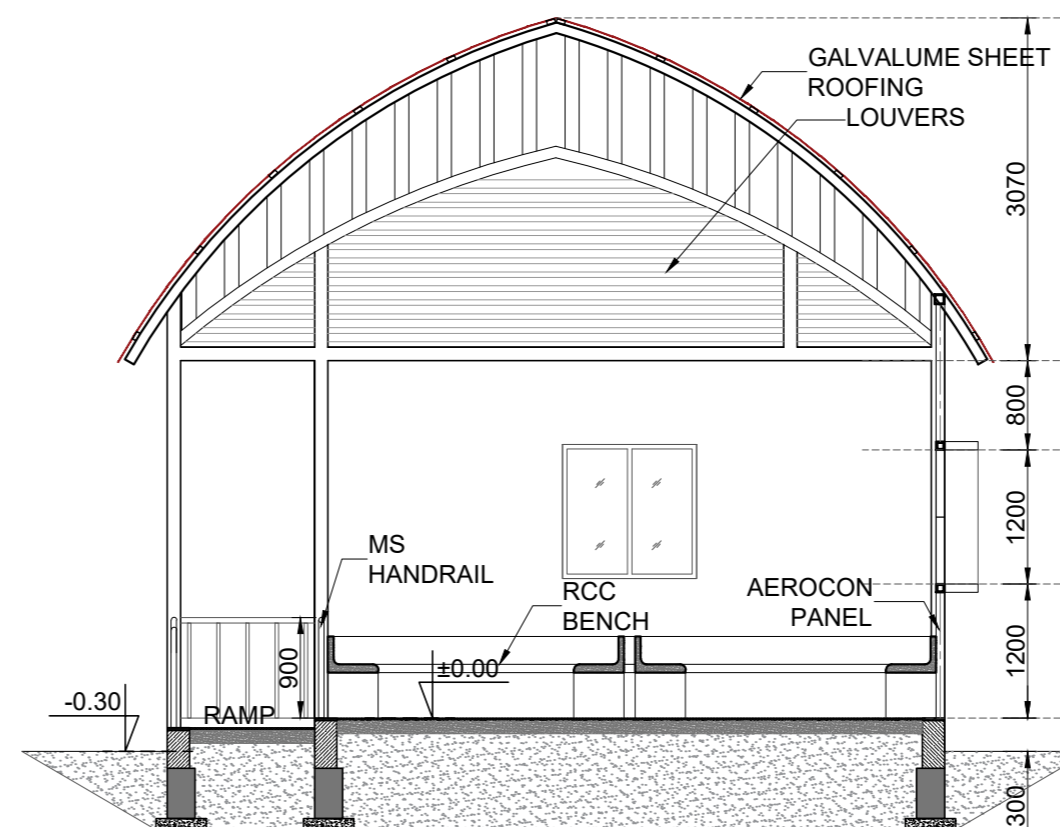
ELEVATION - A



PLAN



ELEVATION - B



SECTION A - A

**JOINERY SCHEDULE**

NAME	WIDTH	HEIGHT	TYPE OF OPENING
D1	900	2400	FRP DOOR
FG	750	1500	FIXED GLASS
W1	1200	1200	AL. FIXED WINDOW

**FINISHING SCHEDULE**

FACILITIES	FLOORING	ROOF	INTERIOR WALLS	EXTERIOR WALLS
WAITING AREA AND TICKET COUNTER	KOTA STONE FLOORING	GALVALUME SHEET ROOFING	AEROCON PANEL WITH EXTERIOR EMULSION PAINT	AEROCON PANEL WITH EXTERIOR GRADE EMULSION PAINT ALONG WITH TEXTURED PAINT AS PER DESIGN
RAMP AND STEP				
TICKET COUNTER	GRANITE			

**NOTE:**

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. ±0.00m LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
4. HFL TO BE VERIFIED AND CONSIDERED BEFORE COMMENCEMENT OF THE PROJECT, AT EACH OF THE SITE.
5. LIGHTING FIXTURES, PLUMBING FIXTURES, AND OTHER HARDWARE AND AMENITIES SHOULD BE MADE VANDAL RESISTANT/PROOF.
6. THE PROPOSED STRUCTURES HAVE TO COMPLY WITH THE LATEST EDITION OF HARMONISED GUIDELINES AND SPACE STANDARDS 2016 TO MAKE THE FACILITIES DISABLED FRIENDLY.

Rev.No.	PARTICULARS	INITIAL	DATE

**REVISION**



**KITCO Ltd.**

(Estd. in 1972 by IDBI & Govt. of Kerala)  
 PUTHIYA ROAD - NH BYPASS, KOCHI - 28

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

TITLE: - : TERMINAL BUILDING MODULE 2:-  
 (WAITING AREA, TICKETING AND OFFICE)  
 PLAN, SECTION AND ELEVATION.

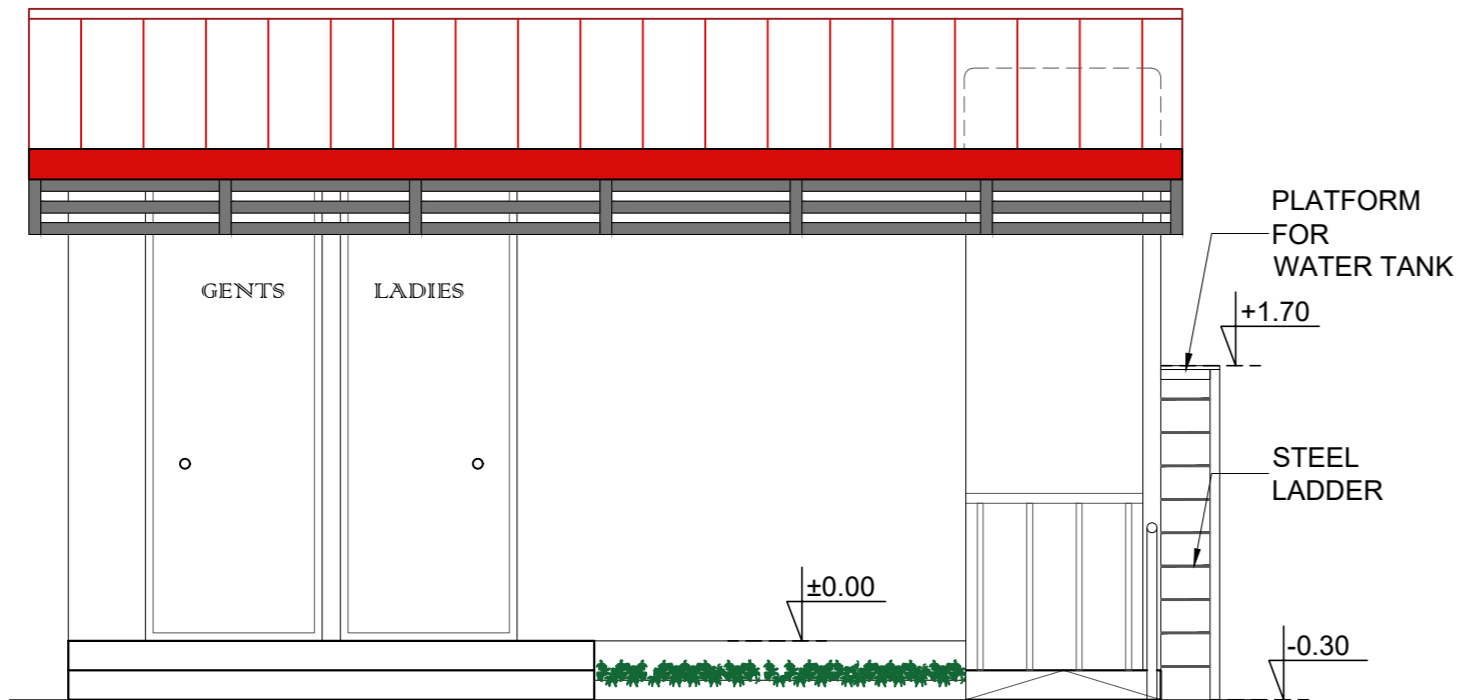
DRG NO: DP 1083 DRG CL 03 102 SHEET NO: 1 OF 1 REV. SCALE: NTS A3

DESIGNED: Kiran Kumar DRAWN: Hari Sankar CHECKED: Kiran Kumar VERIFIED: Sansu sunny APPROVED: Lipin K

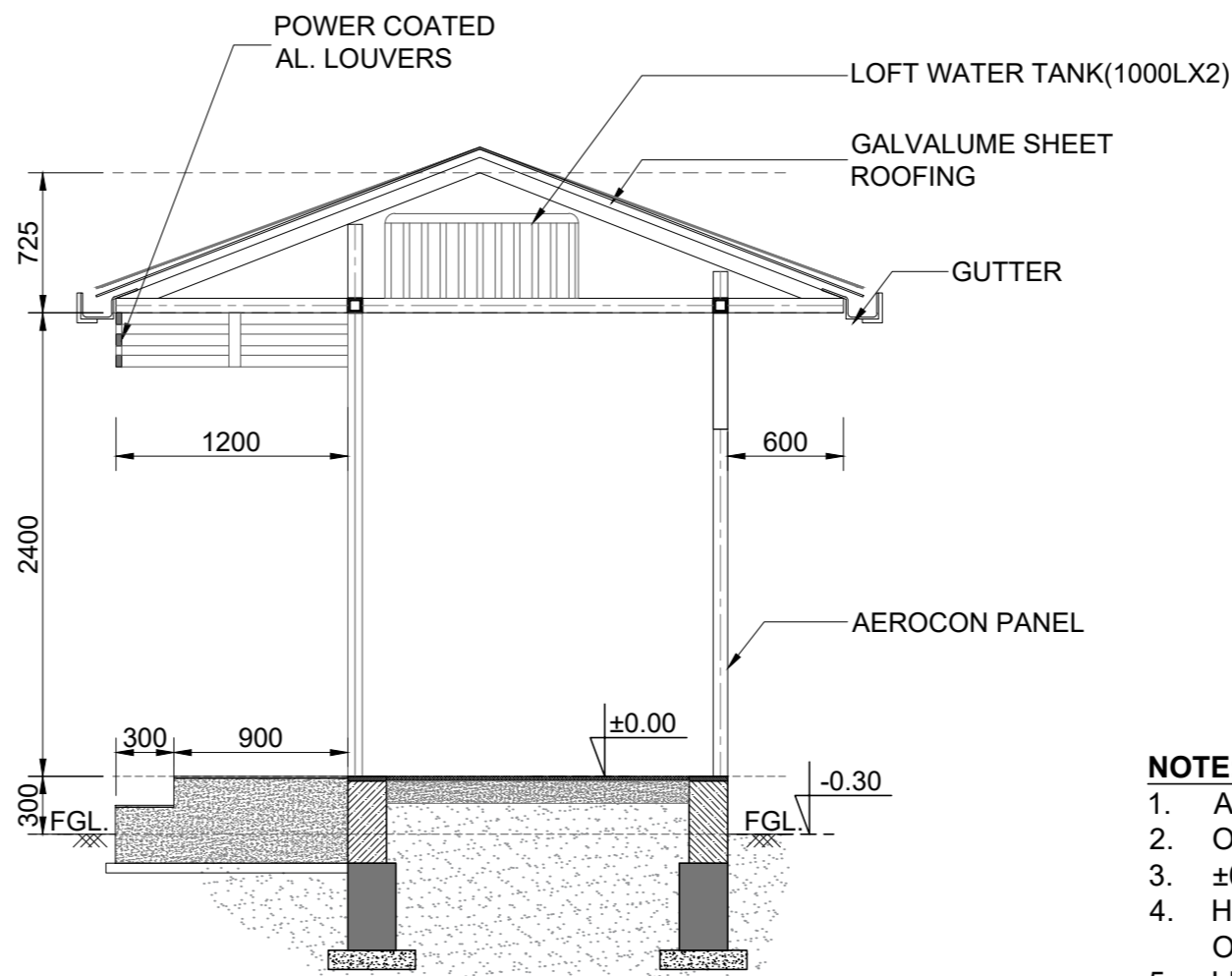
ISSUED FOR: TENDER PURPOSE UNIT: mm. DATE: 03.12.2022

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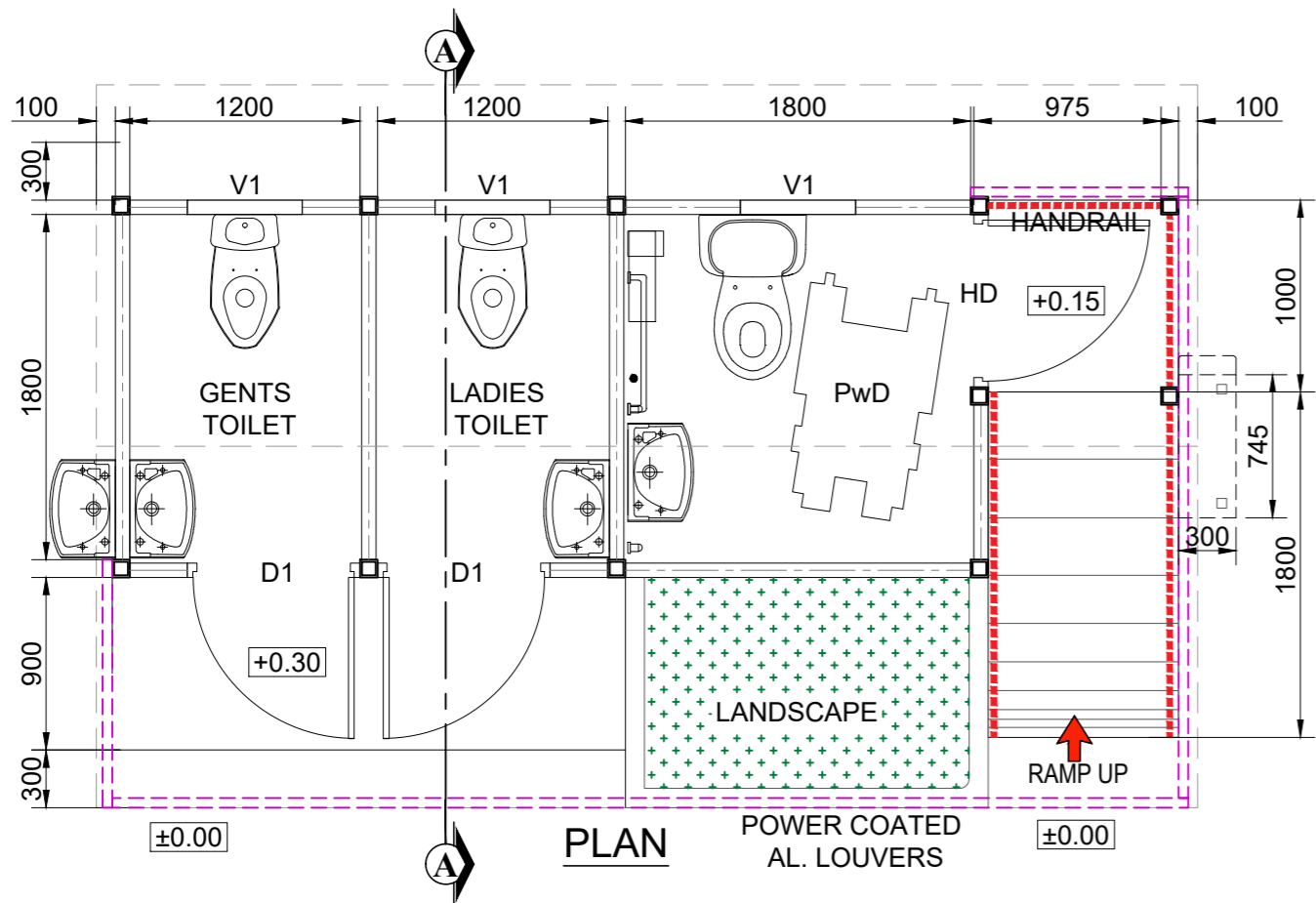
ELEVATION



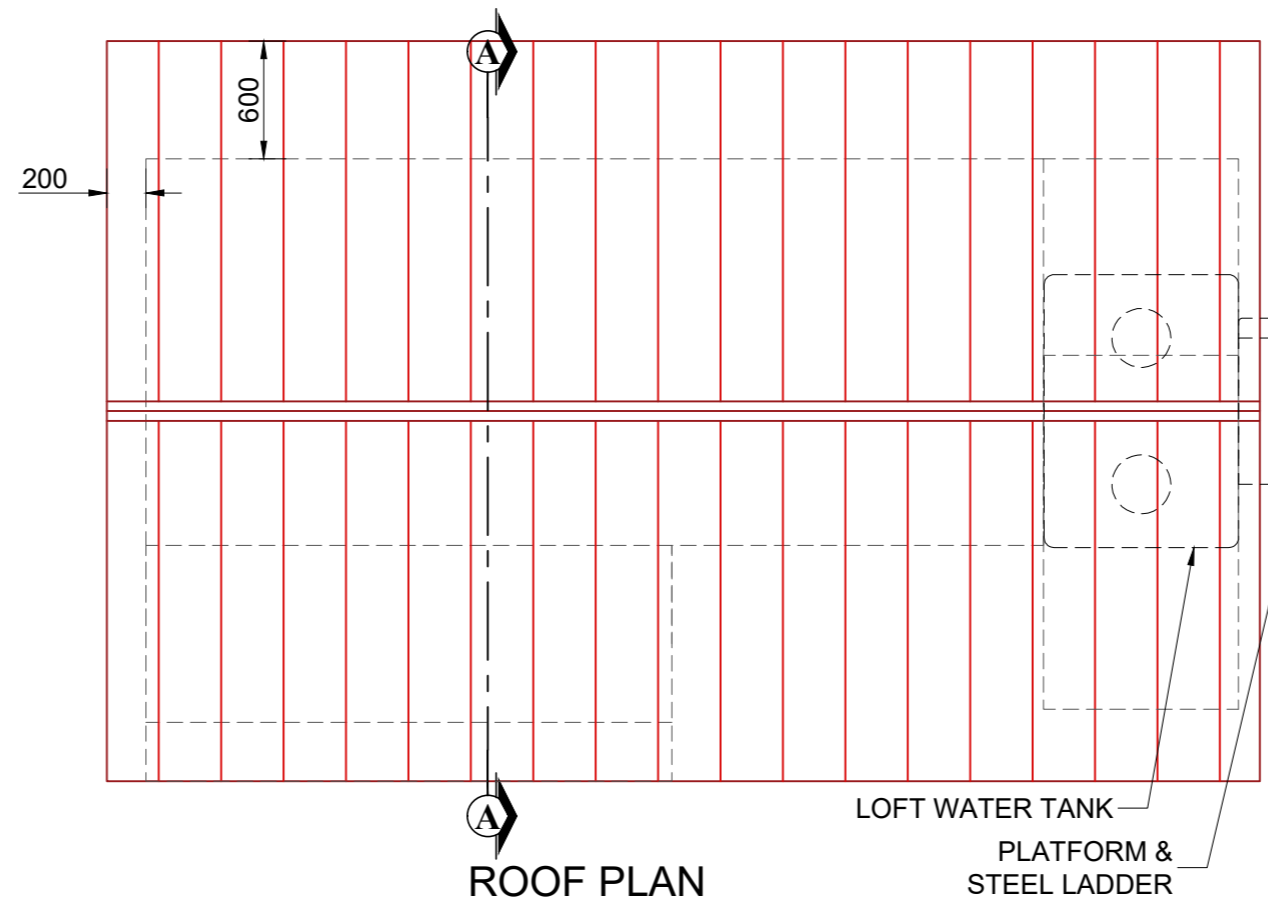
SECTION A-A

**NOTE:**

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. ±0.00m LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
4. HFL TO BE VERIFIED AND CONSIDERED BEFORE COMMENCEMENT OF THE PROJECT, AT EACH OF THE SITE.
5. LIGHTING FIXTURES, PLUMBING FIXTURES, AND OTHER HARDWARE AND AMENITIES SHOULD BE MADE VANDAL RESISTANT/PROOF.
6. THE PROPOSED STRUCTURES HAVE TO COMPLY WITH THE LATEST EDITION OF HARMONISED GUIDELINES AND SPACE STANDARDS 2016 TO MAKE THE FACILITIES DISABLED FRIENDLY..



PLAN



ROOF PLAN

**FINISHING SCHEDULE**

FACILITIES	FLOORING	ROOF	INTERIOR WALLS	EXTERIOR WALLS
TOILET AREA	ANTISKID CERAMIC TILE ( 600 X 600)	GALVALUME SHEET ROOFING	DADOING UPTO 2.4M HT. WITH INTERIOR ACRYLIC PAINT FINISH OVER	AEROCON PANEL WITH EXTERIOR GRADE EMULSION PAINT ALONG WITH TEXTURED PAINT AS PER DESIGN
RAMP AND STEP	KOTA STONE FLOORING		AEROCON PANEL	

**JOINERY SCHEDULE**

NAME	WIDTH	HEIGHT	TYPE OF OPENING
D1	900	2100	FRP DOOR
HD	1000	2100	AL.HANDICAPPED DOOR
V1	600	600	AL.VENTILATOR

Rev.No.	PARTICULARS	INITIAL	DATE

REVISION



**KITCO Ltd.**

(Estd. in 1972 by IDBI & Govt. of Kerala)  
 PUTHIYA ROAD - NH BYPASS, KOCHI - 28

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

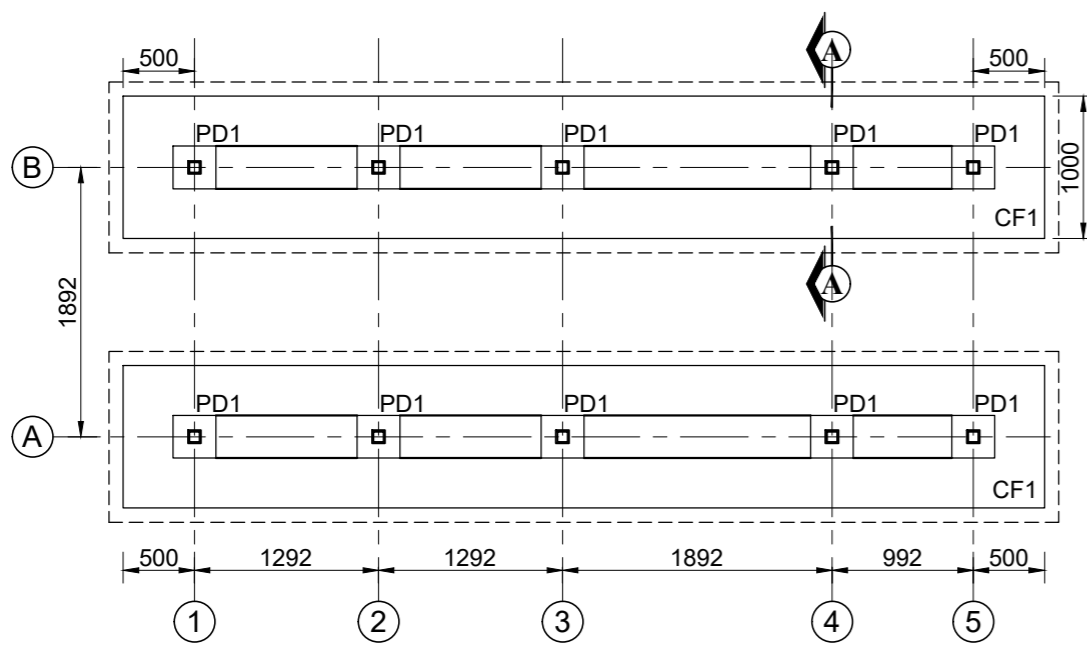
TITLE: **-:TOILET BLOCK:-**  
 PLAN, SECTION & ELEVATION

DRG NO: DP 1083 DRG CL 03 104 SHEET NO: 1 OF 1 REV. SCALE: NTS A3

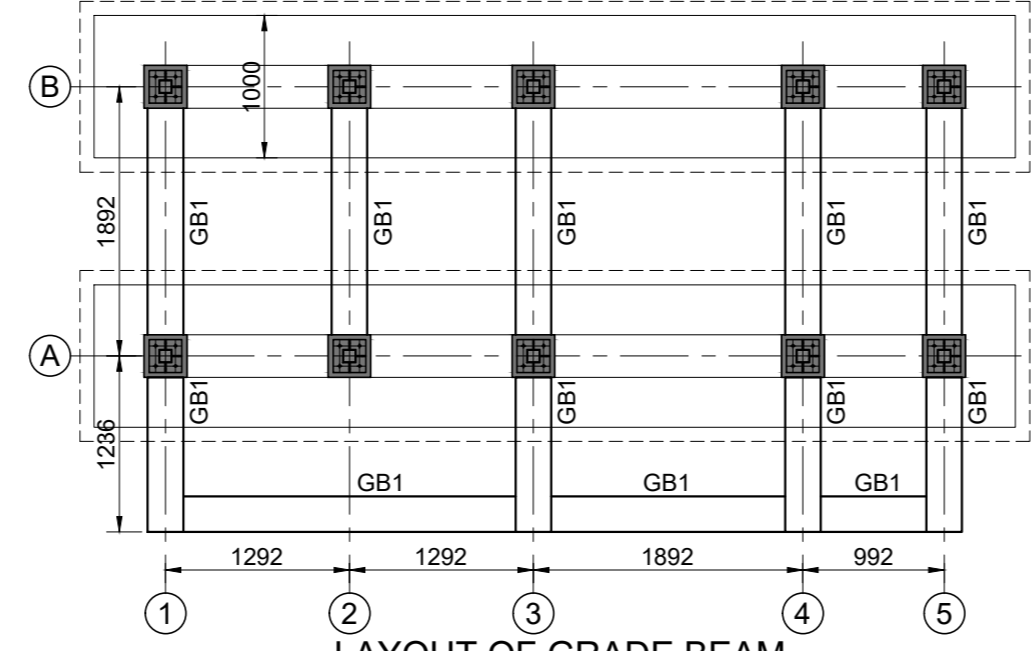
DESIGNED: Kiran Kumar DRAWN: Hari Sankar CHECKED: Kiran Kumar VERIFIED: Sansu sunny APPROVED: Lipin K

ISSUED FOR: **TENDER PURPOSE** UNIT: mm. DATE: 18.08.2022

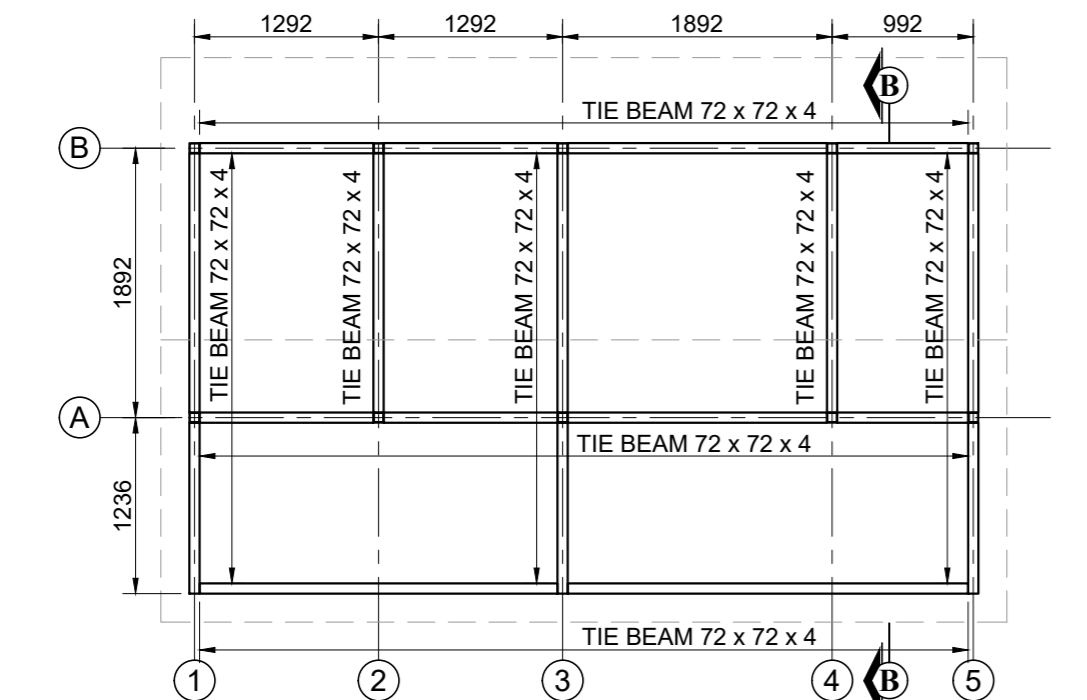
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand



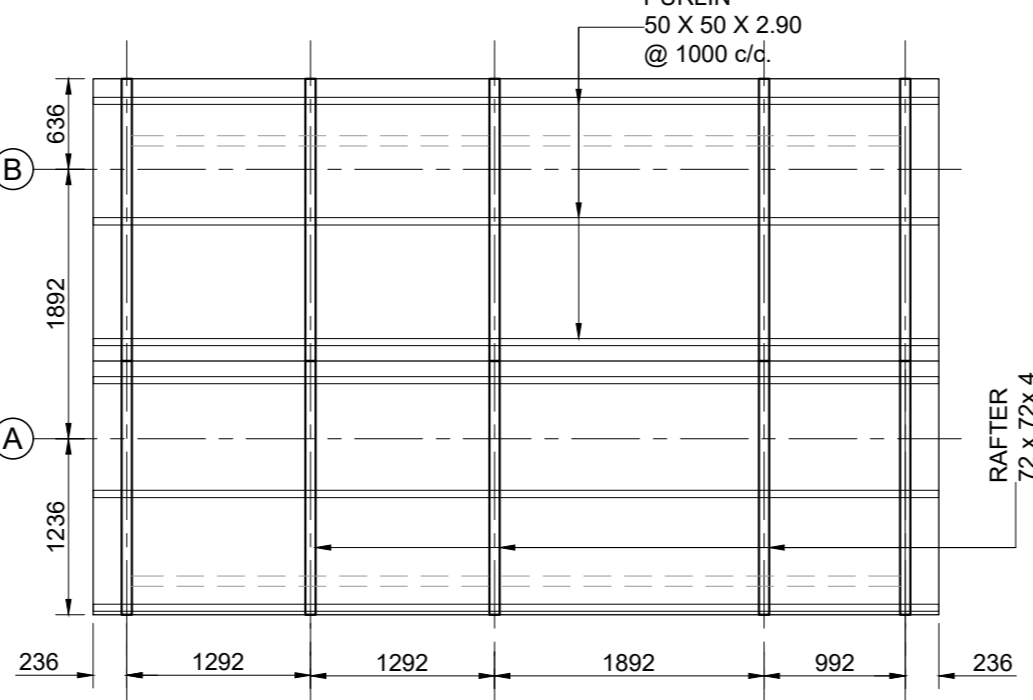
LAYOUT OF FOOTING AND COLUMN



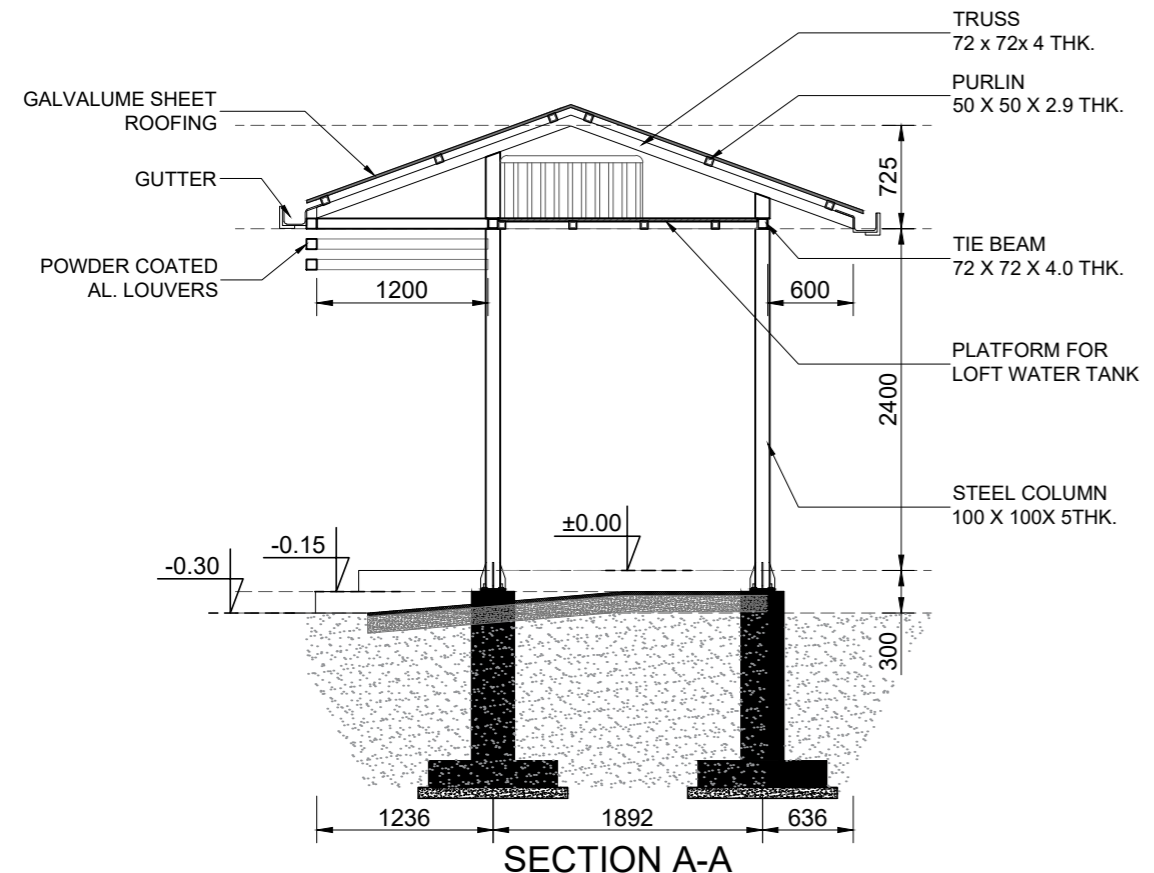
LAYOUT OF GRADE BEAM



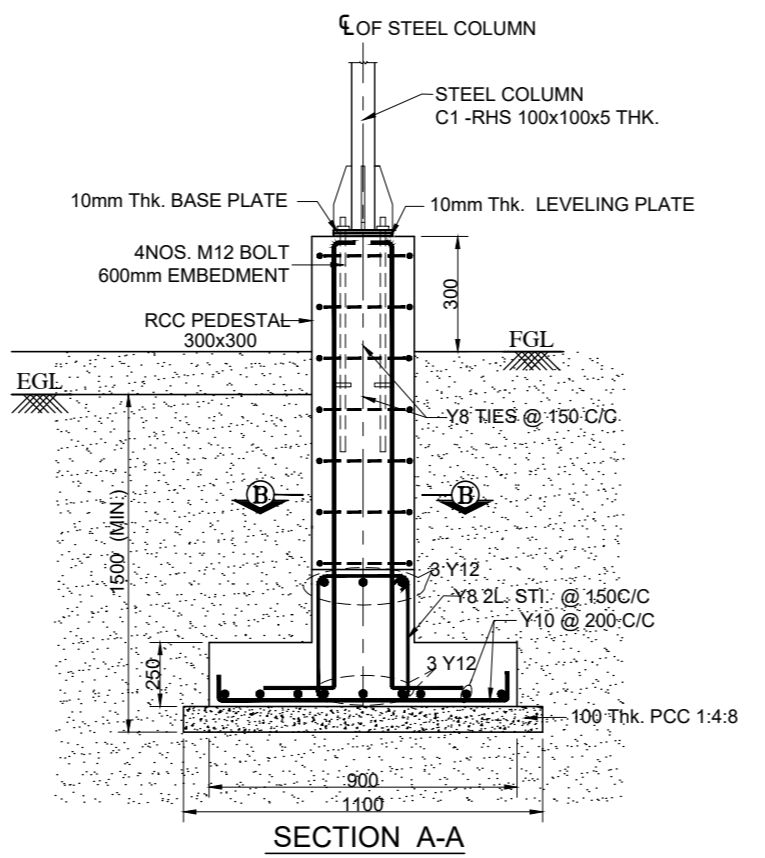
LAYOUT OF TIE MEMBER



LAYOUT OF RAFTER



SECTION A-A

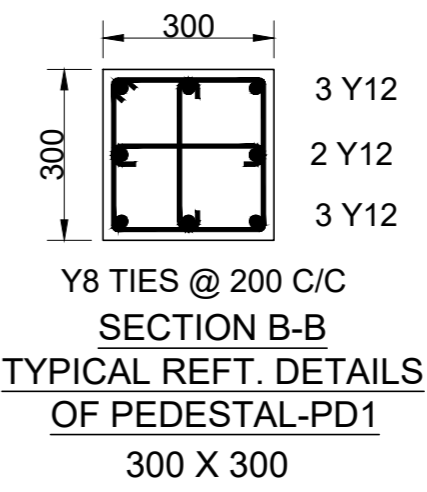


SECTION A-A

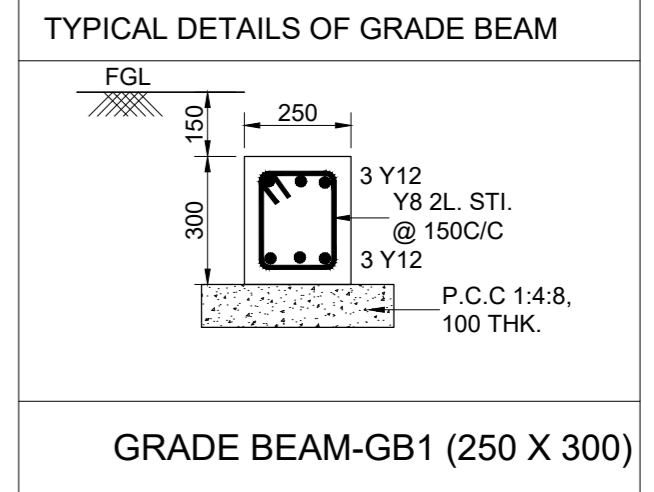
**SPECIAL NOTES:**  
FOOTING PCC TO BE LAID ON STRATA WHERE SBC IS ASSUMED AS 100kN/ SQ.M. AT 1.5m DEPTH FROM EGL. SOIL INVESTIGATION SHALL BE CARRIED OUT AND SBC SHALL BE ENSURED AT SITE BEFORE EXECUTION. ANY VARIATION IN SBC SHALL BE INTIMATED TO DESIGN OFFICE IMMEDIATELY.

**NOTES:-**

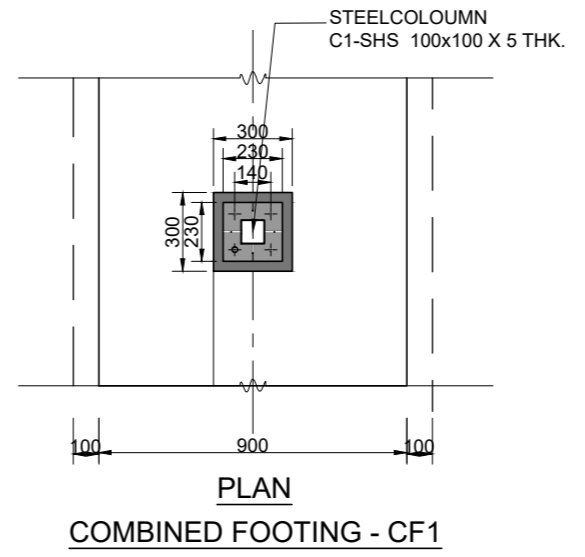
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. ±0.00 LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL.
4. STRUCTURAL MEMBERS CONFIRMS TO GRADE Fy 310
5. CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX. M30.
6. BEND, HOOK, LAP LENGTH ETC., SHOULD BE TAKEN AS PER IS:456-2000.
7. REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE Fe. 500.D
8. CLEAR COVER TO OUTER REFT. : FOOTING - 50mm, COLUMN - 40mm,
9. DEVELOPMENT LENGTH IN TENSION (Ld) = 46 x BAR DIA.
10. MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA OF BAR.
11. LAP SPLICES SHALL BE STAGGERED. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION
12. LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH
13. WELDING SHALL BE DONE AS PER IS:816-1969, IS 9595-1996.
14. ALL SHOP JOINTS ARE WELDED AND FIELD JOINTS ARE BOLTED.
15. ALL MS BOLTS AND NUTS SHALL CONFORM TO IS:1363 & 1367 (Latest)
16. MINIMUM SIZE OF FILLET WELD SHALL BE EQUAL TO THE LOWEST THICKNESS OF THE CONNECTED MEMBER.
17. THE WELDING TO BE DONE ONLY BY A SKILLED PERSON HAVING RESPECTIVE TRADE CERTIFICATE.
18. ALL SPLICE JOINTS MUST BE NON SLIP
19. THE CIVIL CONTRACTOR SHALL MAKE SURE THAT THE INSERT PLATES PLACED ARE IN CORRECT POSITION AND WELDED ALONG THE LENGTH OF MAIN REINFORCEMENT OF COLUMN / BEAM BEFORE POURING CONCRETE AT SITE.
20. STRUCTURAL MEMBERS MUST BE CLEANED OF SLAG AND OTHER DEPOSITS, RUST ETC. USING WIRE BRUSH BEFORE FABRICATION.
21. ALL STEEL MEMBERS ARE TO BE PAINTED WITH 2 COATS OF SYNTHETIC ENAMEL PAINT OVER 2 COATS OF ANTI CORROSIVE YELLOW ZINC CHROMATE PRIMER BEFORE LAYING TILE/ ROOFING SHEET OR AS PER SPEC..
22. FABRICATOR SHALL TAKE ACCURATE MEASUREMENTS AT THE SITE AND PREPARE SHOP DRAWINGS BEFORE FABRICATION.
23. FOR ARCHITECTURAL DETAIL REFER DP 1083 DRG CL 01 201\_SHEET 1 OF 1.



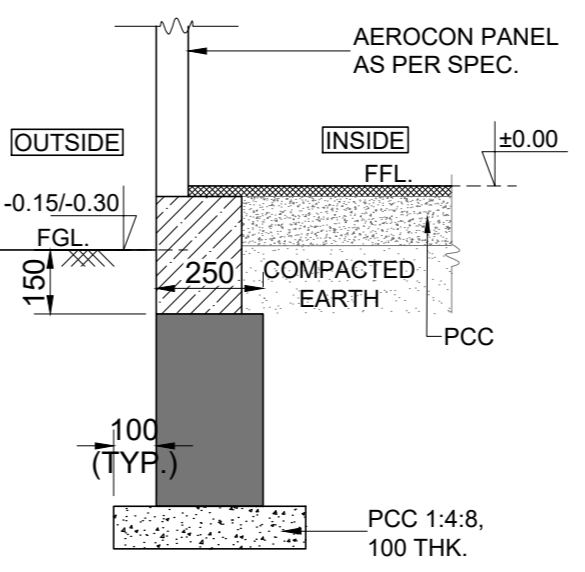
Y8 TIES @ 200 C/C  
SECTION B-B  
TYPICAL REFT. DETAILS  
OF PEDESTAL-PD1  
300 X 300



GRADE BEAM-GB1 (250 X 300)



COMBINED FOOTING - CF1



TYP. DETAILS OF  
GRADE BEAM FOR  
OUTER WALLS

Rev.No.	PARTICULARS	INITIAL	DATE
REVISION			



**KITCO Ltd.**  
(Estd. in 1972 by IDBI & Govt. of Kerala)  
PUTHIYA ROAD - NH BYPASS, KOCHI - 28

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

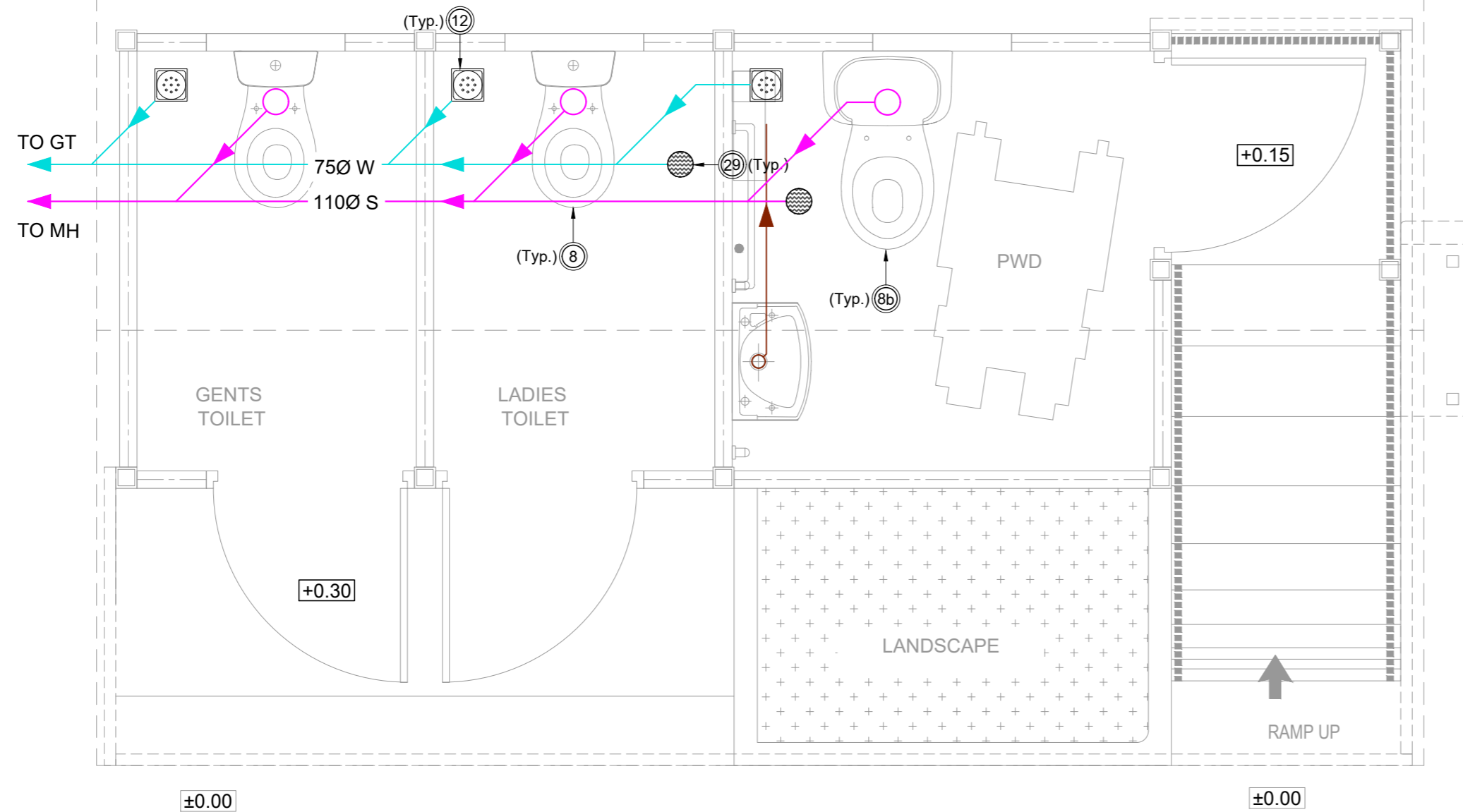
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES 13 NOS, TO BE DEVELOPED IN BIHAR & JHARKHAND UNDER JMVP-II

TITLE: **-:TOILET BLOCK:-**  
GENERAL STRUCTURAL DETAILS

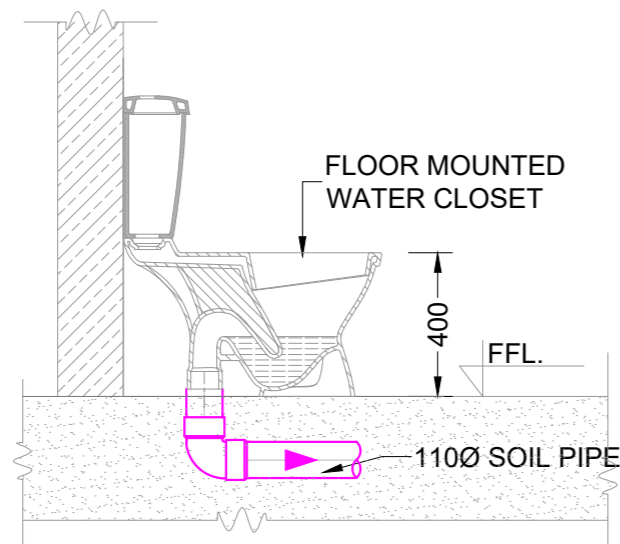
DRG NO: DP 1083 DRG CL 02 106	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Cherish	DRAWN: Hari Sankar	CHECKED: Sindhu Anna George	VERIFIED: Shamilar M S	APPROVED: Lissy Innocent
ISSUED FOR: <b>TENDER PURPOSE</b>			UNIT: mm.	DATE: 18.08.2022

This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand

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**SANITARY LAYOUT**



**TYP. CROSS SECTION OF WATER CLOSET**

**LEGEND:**

	50Ø WASTE WATER PIPE (CONCEALED) PVC 6Kg/cm <sup>2</sup>
	75Ø WASTE WATER PIPE (CONCEALED) PVC 6Kg/cm <sup>2</sup>
	110Ø SOIL PIPE (CONCEALED) PVC 6Kg/cm <sup>2</sup>
S	SOIL PIPE
W	WASTE PIPE
MH	MANHOLE
GT	GULLY TRAP

**TABLE 1 - PIPE SUPPORTS SPACING**

NOMINAL PIPE SIZE (mm)	PVC	
	HORIZONTAL (m)	VERTICAL (m)
50	1.20	1.50
75	1.20	1.50
110	1.20	1.50

NOTATION	ITEM
⊙8	FLOOR MOUNTED WATER CLOSET
⊙8b	HANDICAPPED TOILET
⊙12	FLOOR TRAP 110 mm OUTER DIA (MULTI TRAP) INCLUDING CP COCKROACH FREE FLOOR GRATING WITH CUP
⊙29	SS CLEANOUT

**NOTE :-**

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED
3. ±0.00m LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
4. PROVIDE ACCESS DOOR AT ALL JUNCTIONS AND TURNINGS.
5. A MINIMUM DISTANCE OF 150mm SHOULD BE KEPT BETWEEN WALL & FLOOR TRAP CENTRE.
6. ALL PIPES SHOWN ARE PVC 6 kg/cm<sup>2</sup> EXCEPT FOR VENT PIPES
7. ALL VENT PIPE SHOWN ARE PVC 4kg/cm<sup>2</sup>.
8. THE DIAMETER OF PIPE LINES GIVEN IN THE DRAWINGS ARE OUTSIDE DIMENSIONS FOR PVC PIPES.
9. THE SEWER PIPE LINES SHALL BE TESTED BY COMPLETELY FILLING THE SEWER PIPE WITH WATER BY PLUGGING LOWEST POINT OF CONNECTION TO THE HIGHEST POINT CONNECTION. THE SEWER PIPE SHALL BE WATER TIGHT AT ALL POINTS.
10. ALL ITEMS/SHADES/ MODELS SHALL BE APPROVED FROM ENGINEER-IN-CHARGE PRIOR TO BULK PROCUREMENT.
11. NO PIPES SHALL BE EXPOSED AND SHALL BE SUITABLY COVERED OR CLADDED.
12. SUPPORTS SHALL BE PROVIDED AT EVERY BRANCH CONNECTION OR CHANGE OF DIRECTION.
13. ALL PIPES SHALL BE PROVIDED WITH NECESSARY SUPPORTS AS GIVEN IN TABLE 1
14. ALL SOIL AND WASTE WATER PIPES RUNS IN 1 IN 100 SLOPE .

Rev.No.	PARTICULARS	INITIAL	DATE

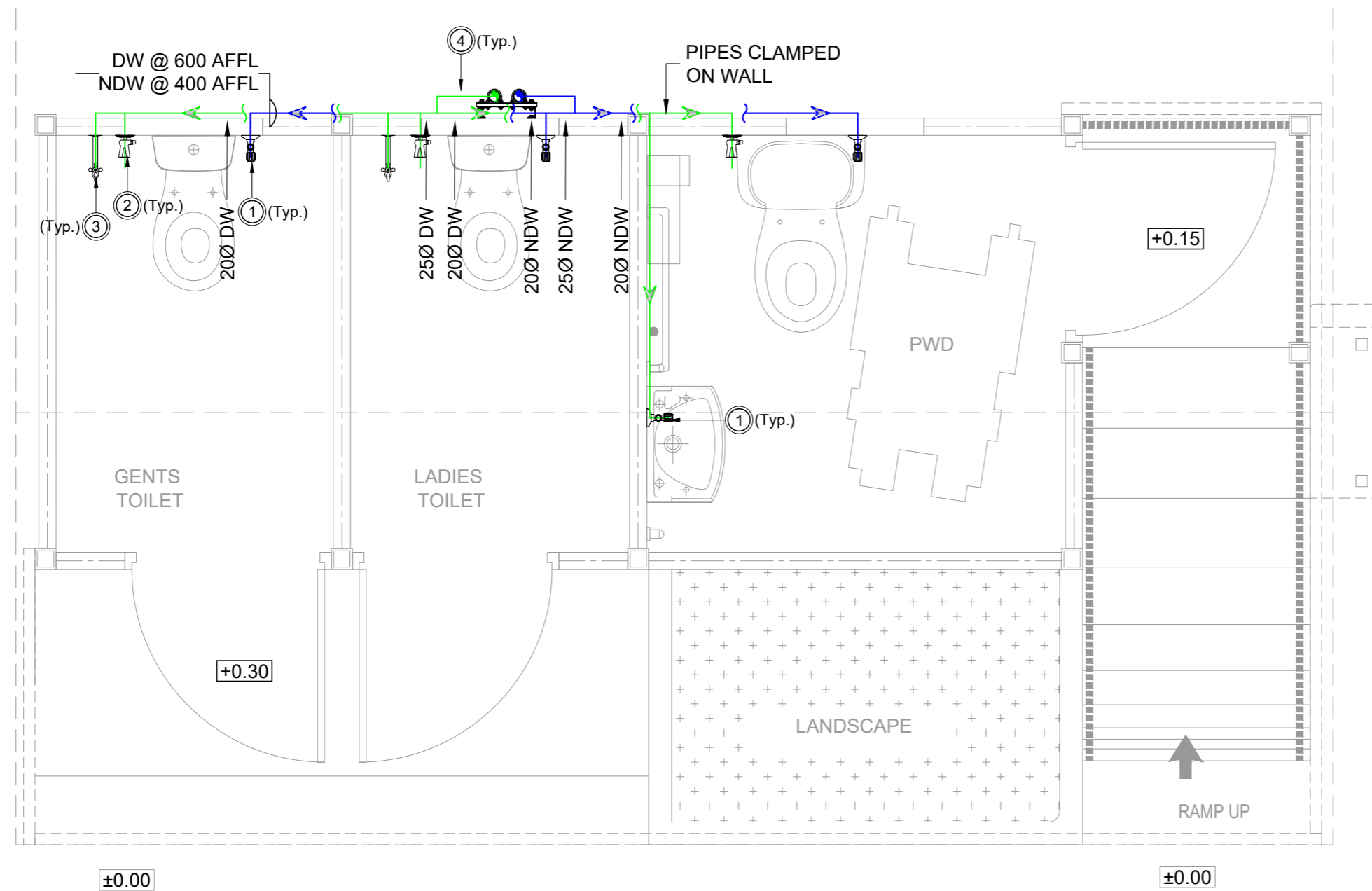
**REVISION**

		<b>KITCO Ltd.</b> (Estd. in 1972 by IDBI & Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28	
INLAND WATERWAYS AUTHORITY OF INDIA			
PROJECT:			
DEVELOPMENT OF COMMUNITY JETTIES 14 NOS, TO BE DEVELOPED IN UP UNDER JMVP-II			
TITLE:			
-:TOILET BLOCK:- LAYOUT & DETAILS OF INTERNAL SANITARY LINES			
DRG NO:	SHEET NO:	REV.	SCALE:
DP 1083 DRG PL 01 201	1 OF 1		NTS A3
DESIGNED: Susan P Rajan	DRAWN: Pravitha V S	CHECKED: Susan P Rajan	APPROVED: Ajish Unnithan S
ISSUED FOR:		UNIT:	DATE:
TENDER PURPOSE		mm.	19.08.2022

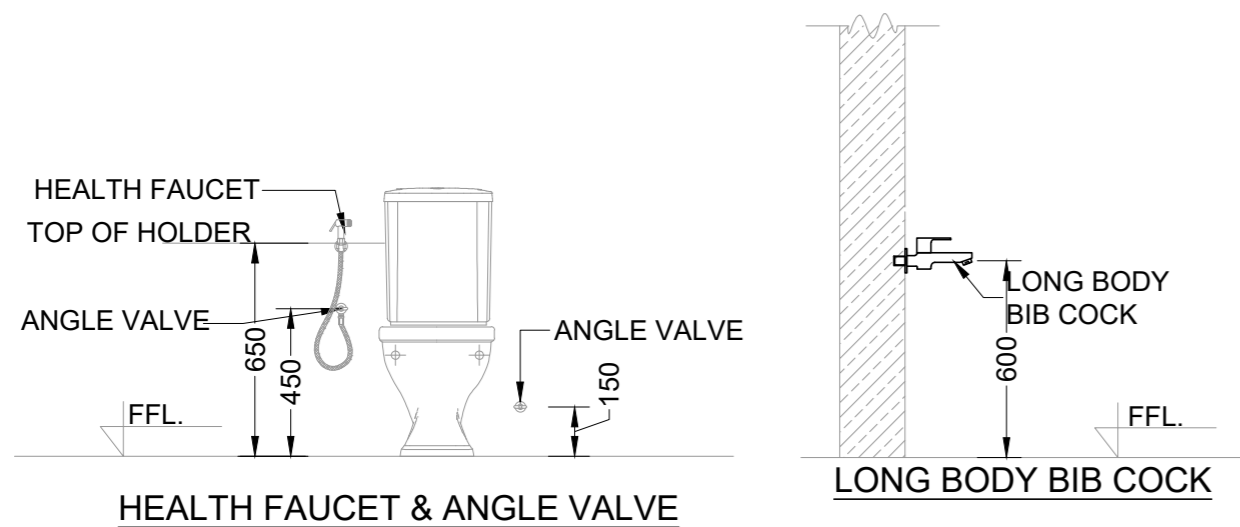
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**WATER SUPPLY LAYOUT**



LEGEND	
	DRINKING WATER [DW] PIPE CPVC SDR11
	NON DRINKING WATER [NDW] PIPE CPVC SDR11
	DRINKING WATER (DW) HEADER CPVC SDR11 (NOMINAL DIA)
	NON DRINKING WATER (NDW) HEADER CPVC SDR11 (NOMINAL DIA)
	GM GATE VALVE
	AFFL ABOVE FINISHED FLOOR LEVEL

TABLE 2 - PIPE SUPPORTS SPACING		
NOMINAL PIPE SIZE (mm)	CPVC/PVC	
	HORIZONTAL (m)	VERTICAL (m)
25	0.50	1.00
32	0.50	1.00
40	0.80	1.40
50	1.20	1.50

NOTATION	ITEM
①	PILLAR COCK + ANGLE VALVE + BOTTLE TRAP + WASTE COUPLING
②	ANGLE VALVE + HEALTH FAUCET @ 450AFFL
③	LONG BODY BIB COCK
④	ISOLATION VALVE

**NOTE:**

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. ±0.00m LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
4. ALL CONCEALED LINES ARE PVC 10kg/cm<sup>2</sup>. AND ALL EXPOSED LINES ARE CPVC PIPES.
5. THE DIAMETER OF PIPE LINES GIVEN IN THE DRAWINGS ARE NOMINAL DIMENSIONS FOR CPVC SDR 11 PIPES AND OUTER DIMENSIONS FOR PVC PIPES.
6. AFTER LAYING & JOINTING, THE PIPE LINES SHALL BE PRESSURE TESTED (TEST PRESSURE - 5 BAR) AS PER CPHEEO MANUAL ON W.S. AND TREATMENT 3RD EDITION.
7. NO PIPES SHALL BE EXPOSED AND SHALL BE SUITABLY COVERED OR CLADDED.
8. SUPPORTS SHALL BE PROVIDED AT EVERY BRANCH CONNECTION OR CHANGE OF DIRECTION.
9. ALL PIPES SHALL BE PROVIDED WITH NECESSARY SUPPORTS AS GIVEN IN TABLE 2
10. ALL ITEMS/SHADES/ MODELS SHALL BE APPROVED FROM ENGINEER-IN-CHARGE PRIOR TO BULK PROCUREMENT.

Rev.No.	PARTICULARS	INITIAL	DATE

**REVISION**

**KITCO Ltd.**  
(Estd. in 1972 by IDBI & Govt. of Kerala)  
PUTHIYA ROAD - NH BYPASS, KOCHI - 28

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT: DEVELOPMENT OF COMMUNITY JETTIES 14 NOS, TO BE DEVELOPED IN UP UNDER JMVP-II

TITLE: **-:TOILET BLOCK:-**  
LAYOUT & DETAILS OF INTERNAL WATER SUPPLY LINES

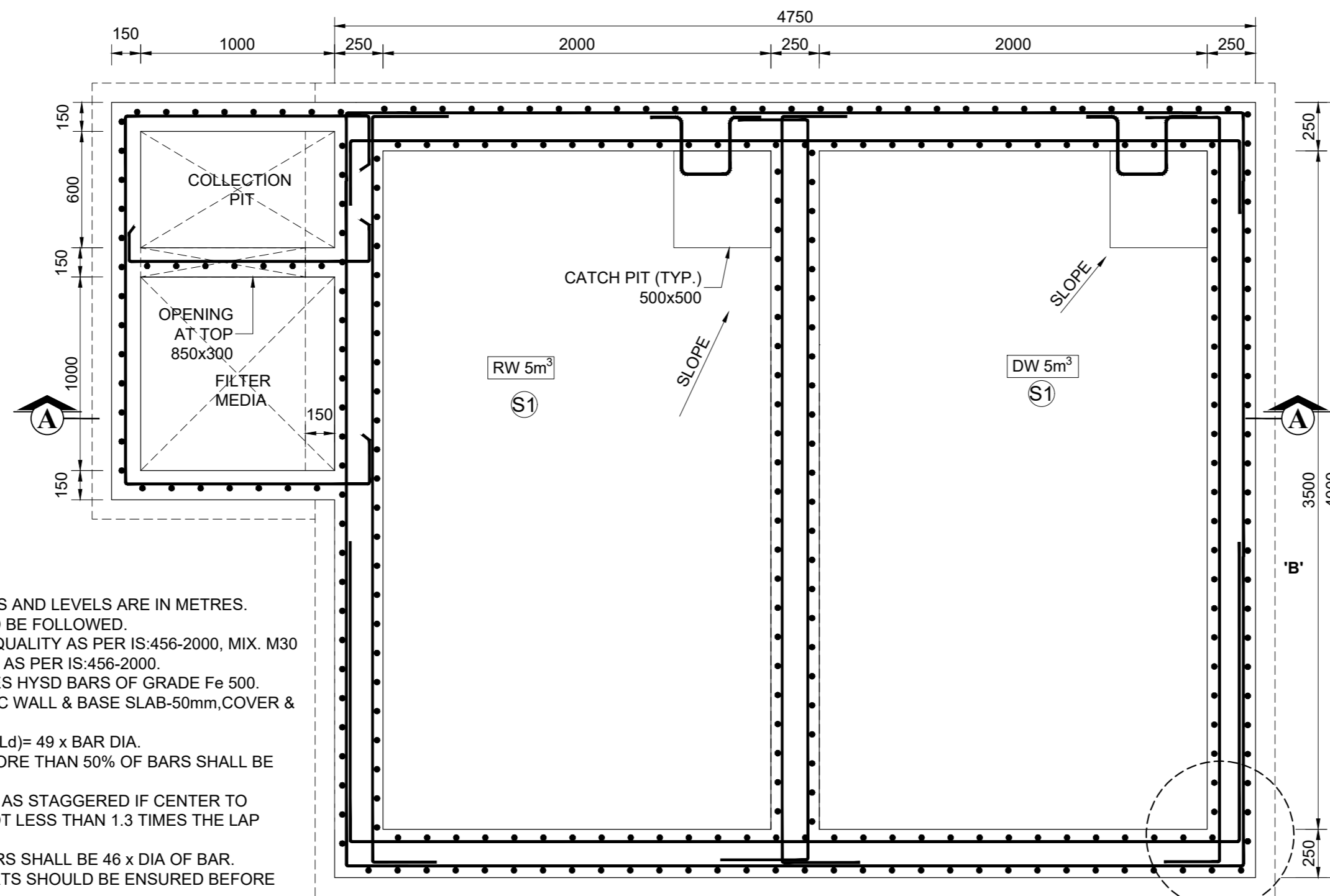
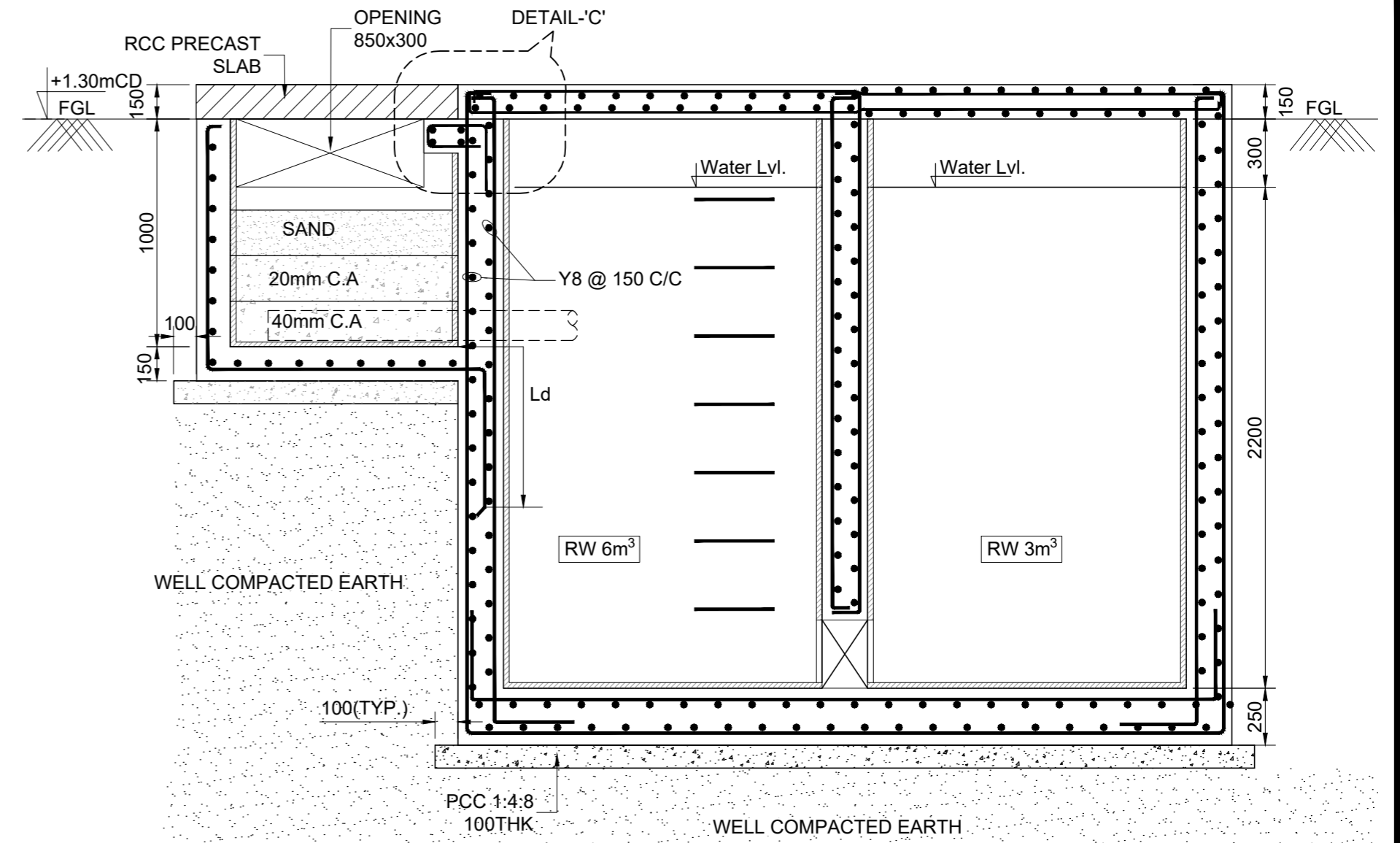
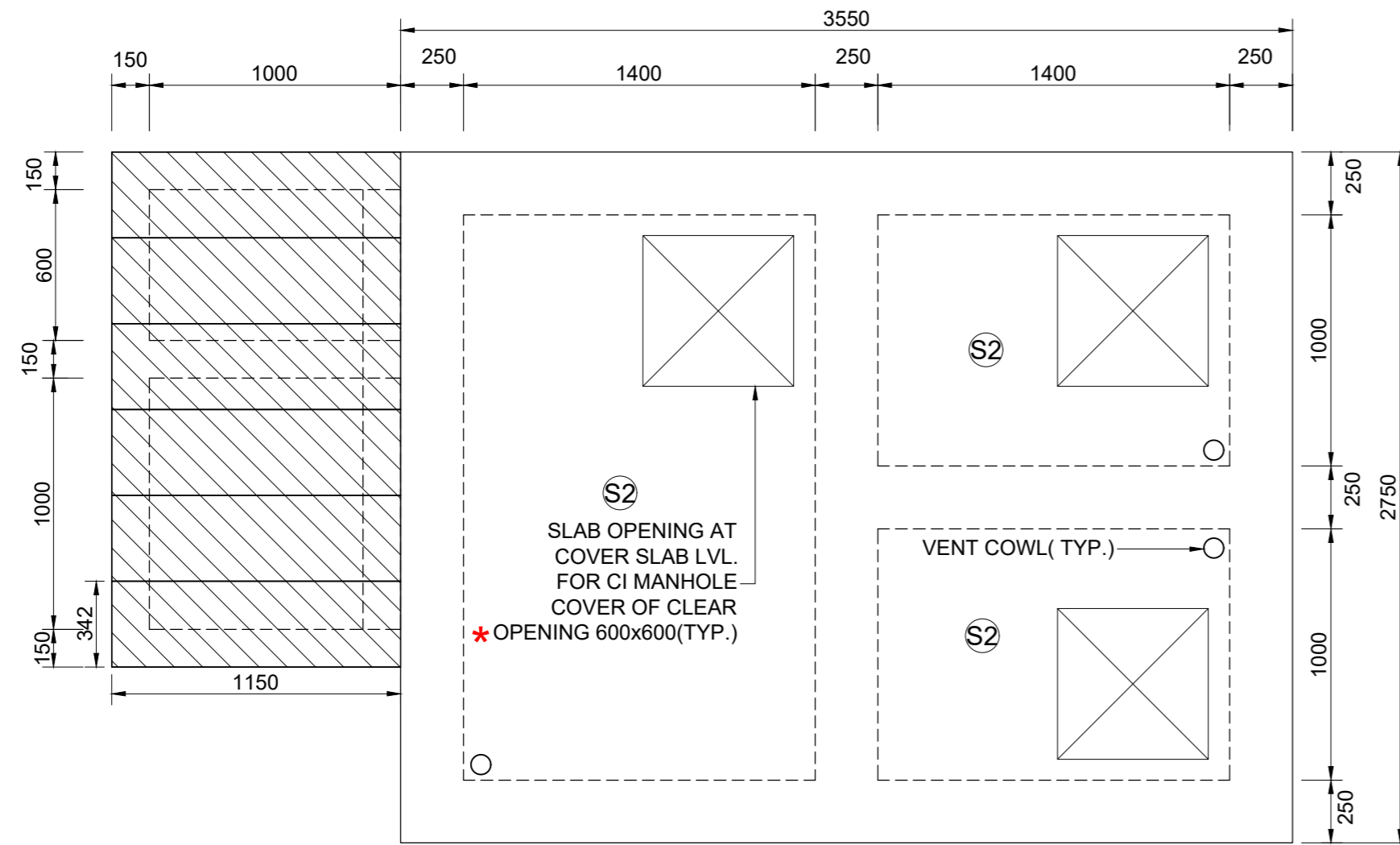
DRG NO: DP 1083 DRG PL 01 202	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
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DESIGNED: Susan P Rajan	DRAWN: Pravitha V S	CHECKED: Susan P Rajan	VERIFIED: -	APPROVED: Ajish Unnithan S
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ISSUED FOR: <b>TENDER PURPOSE</b>	UNIT: mm.	DATE: 19.08.2022
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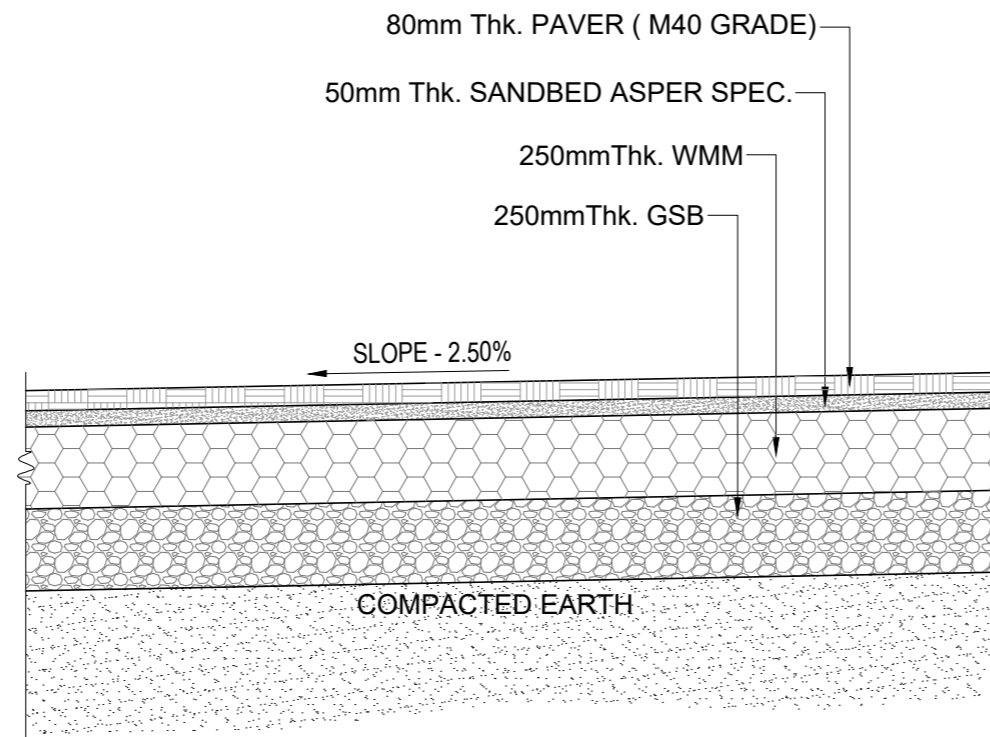
**NOTE:-**

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX. M30
4. BEND, HOOK, ETC., SHOULD BE TAKEN AS PER IS:456-2000.
5. REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE Fe 500.
6. CLEAR COVER TO OUTER REFT. : RCC WALL & BASE SLAB-50mm, COVER & PRECAST SLAB -30mm.
7. DEVELOPMENT LENGTH IN TENSION (Ld)= 49 x BAR DIA.
6. LAPS SHALL BE STAGGERED. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION.
7. LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH.
8. MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA OF BAR.
9. PROPER POSITIONING OF PIPE INSERTS SHOULD BE ENSURED BEFORE CONCRETING.
10. BACKFILLING SHALL BE DONE ONLY AFTER CASTING TOP SLAB.

Rev.No.	PARTICULARS	INITIAL	DATE
REVISION			
 <b>KITCO Ltd.</b> (Estd. in 1972 by IDBI & Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28			
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA			
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II			
TITLE: LAYOUT AND REFT.DETAIL OF UG SUMP			
DRG NO: DP 1083 DRG CL 03 106	SHEET NO: 1 OF 1	REV.	SCALE: NTS A3
DESIGNED: ---	DRAWN: Hari	CHECKED: ---	VERIFIED: ---
ISSUED FOR: <b>TENDER PURPOSE</b>		UNIT: mm.	DATE: 14.09.2022

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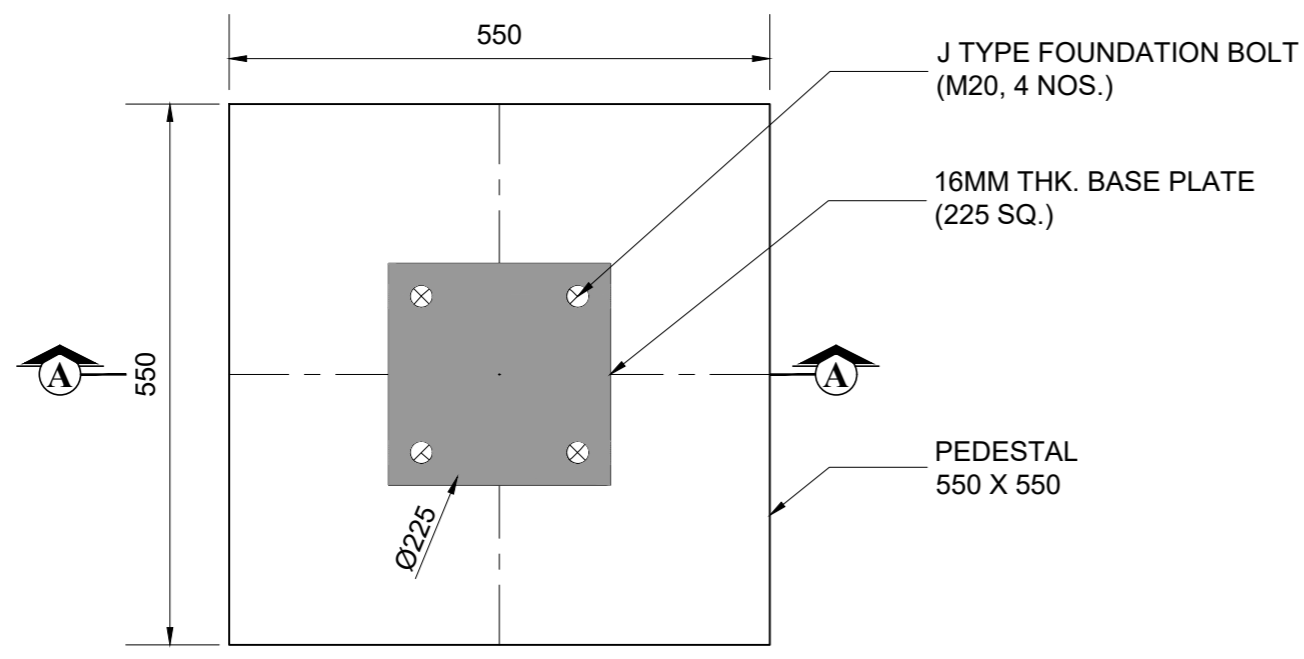
TYPICAL CROSS SECTION FOR PAVER AREA

**NOTES:**

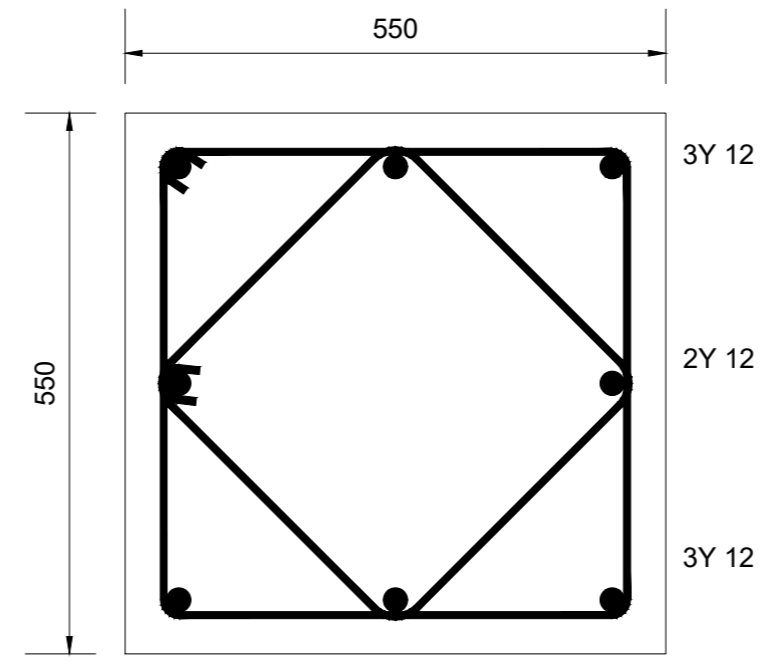
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
- ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED

Rev.No	PARTICULARS	INITIAL	DATE
REVISION			
 <b>KITCO Ltd.</b> (Estd. in 1972 by IDBI & Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28			
CLIENT:			
INLAND WATERWAYS AUTHORITY OF INDIA			
PROJECT:			
DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN WB UNDER JMVP-II			
TITLE:			
TYPICAL CROSS SECTION OF PAVER AREA			
DRG NO:	SHEET NO:	REV.	SCALE:
DP 1083 DRG CL 03 016	1 OF 1		NTS
DESIGNED:	DRAWN:	CHECKED:	VERIFIED:
##	Hari	###	####
ISSUED FOR:			DATE:
TENDER PURPOSE			05.09.2022
<small>This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand</small>			

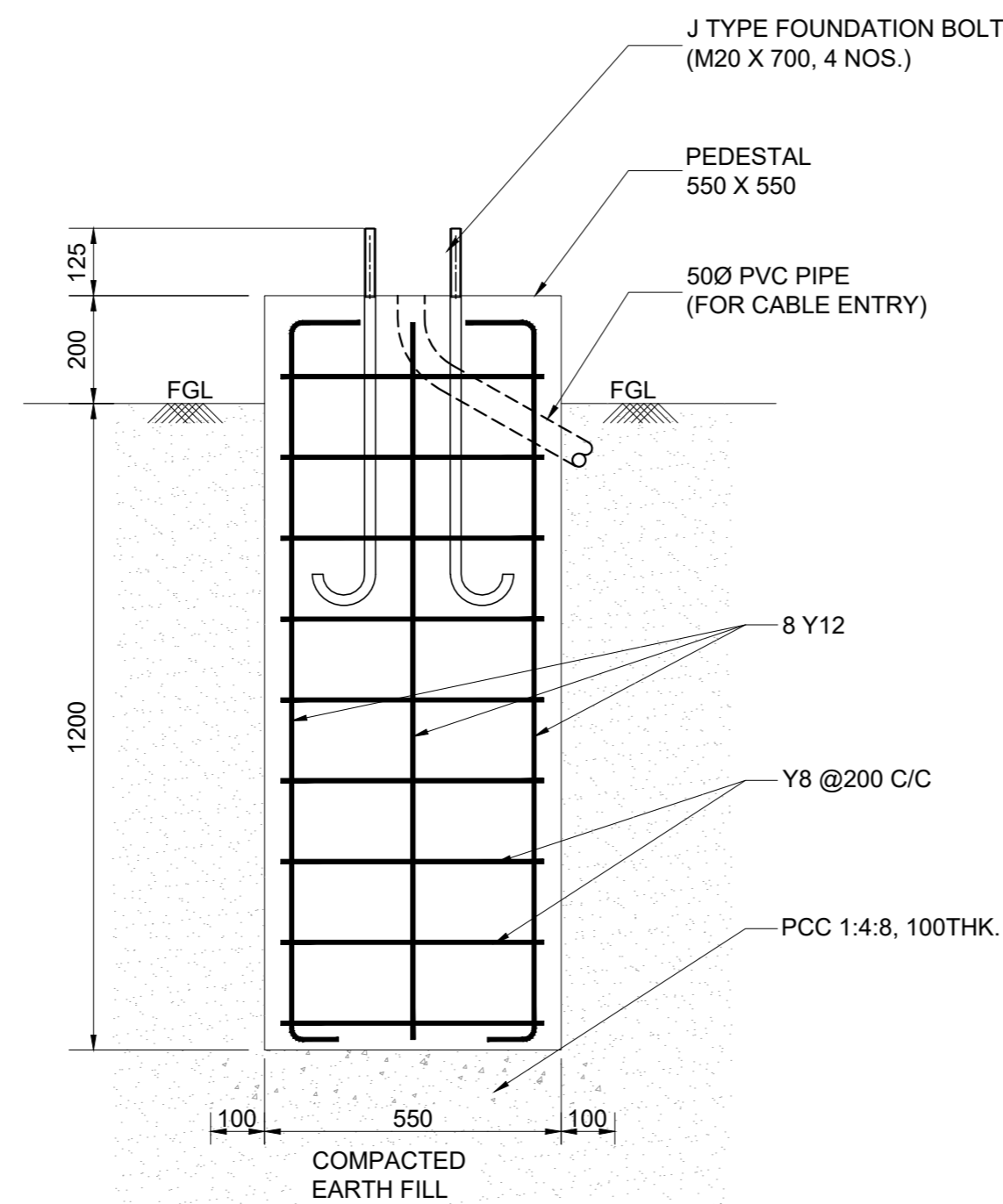
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**PLAN**  
**LIGHT POLE FOUNDATION**



**REFT. DETAILS OF PEDESTAL-(550 X 550)**



**SECTION A - A**

**NOTES:**

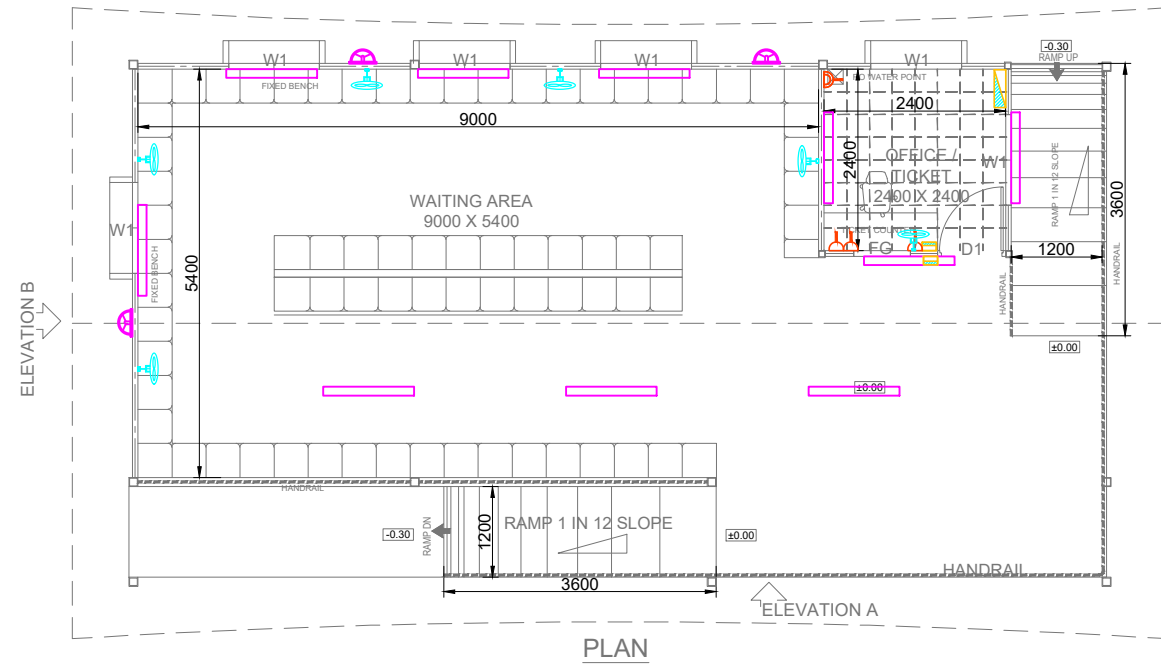
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED
3. CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX. M30
4. BEND, HOOK, LAP LENGTH ETC., SHOULD BE TAKEN AS PER IS:456-2000
5. REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE FE 500D, IS 1786-2008
6. CLEAR COVER TO OUTER REFT. : 50mm.
7. BASE PLATE AND ANCHOR BOLT LOCATIONS/ SIZE/NOS etc. SHALL BE CONFIRMED WITH VENDOR DRAWING .

Rev.No.	PARTICULARS	INITIAL	DATE

REVISION				
		<p><b>KITCO Ltd.</b> (Estd. in 1972 by IDBI &amp; Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28</p>		
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA				
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN WB UNDER JMVP-II				
TITLE: TYPICAL LIGHT POLE FOUNDATION DETAILS				
DRG NO: DP 1083 DRG CL 03 015	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: ---	DRAWN: Hari Sankar	CHECKED: ---	VERIFIED: ---	APPROVED: ---
ISSUED FOR: <b>TENDER PURPOSE</b>			UNIT: mm.	DATE: 03.09.2022

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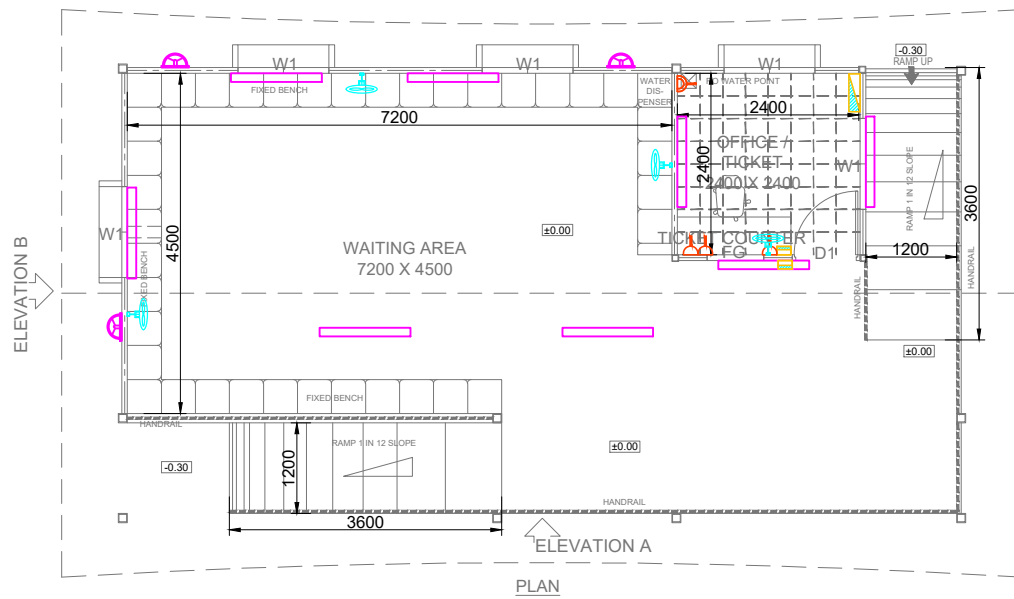


PLAN

LIGHTING LAYOUT OF TERMINAL BUILDING MODULE 2

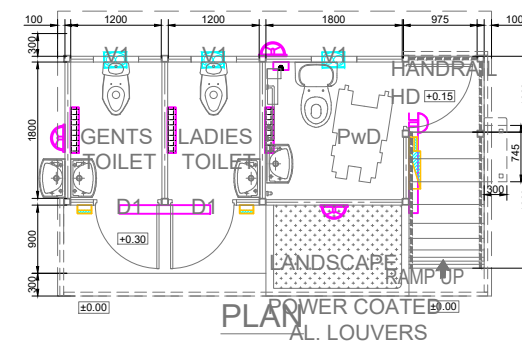
LEGEND

SL. NO.	SYMBOL	DESCRIPTION
1		20W LED LIGHT
2		BULK HEAD LIGHT
3		WALL FAN
4		SWITCH BOARD
5		6A SWITCH SOCKET
6		16A SWITCH SOCKET
7		DISTRIBUTION BOARD



PLAN

LIGHTING LAYOUT OF TERMINAL BUILDING MODULE 1



PLAN

LIGHTING LAYOUT OF TOILET

NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED

Rev.No.	PARTICULARS	INITIAL	DATE

REVISION



**KITCO Ltd.**  
(Estd. in 1972 by IDBI & Govt. of Kerala)

the consultants MM GARDENS, CHURCH LANDING ROAD, KOCHI - 16

CLIENT:  
INLAND WATERWAYS AUTHORITY OF INDIA

PROJECT:  
DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN WB UNDER JMVP-II

TITLE:  
LIGHTING LAYOUT OF TERMINAL MODULE 1, 2 & TOILET BLOCK

DRG NO:	SHEET NO:	REV.	SCALE:	A3
DP 1083 DRG EL 03 001	1 OF 1		NTS	
DESIGNED: Treesa Archana	CHECKED: Anooj Kamal	DRAWN: Binoy TB	DRG. CHECKED: #####	APPROVED: Rajna E

ISSUED FOR:  
**ESTIMATE PURPOSE**

UNIT: mm. DATE: 27.01.2023

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