

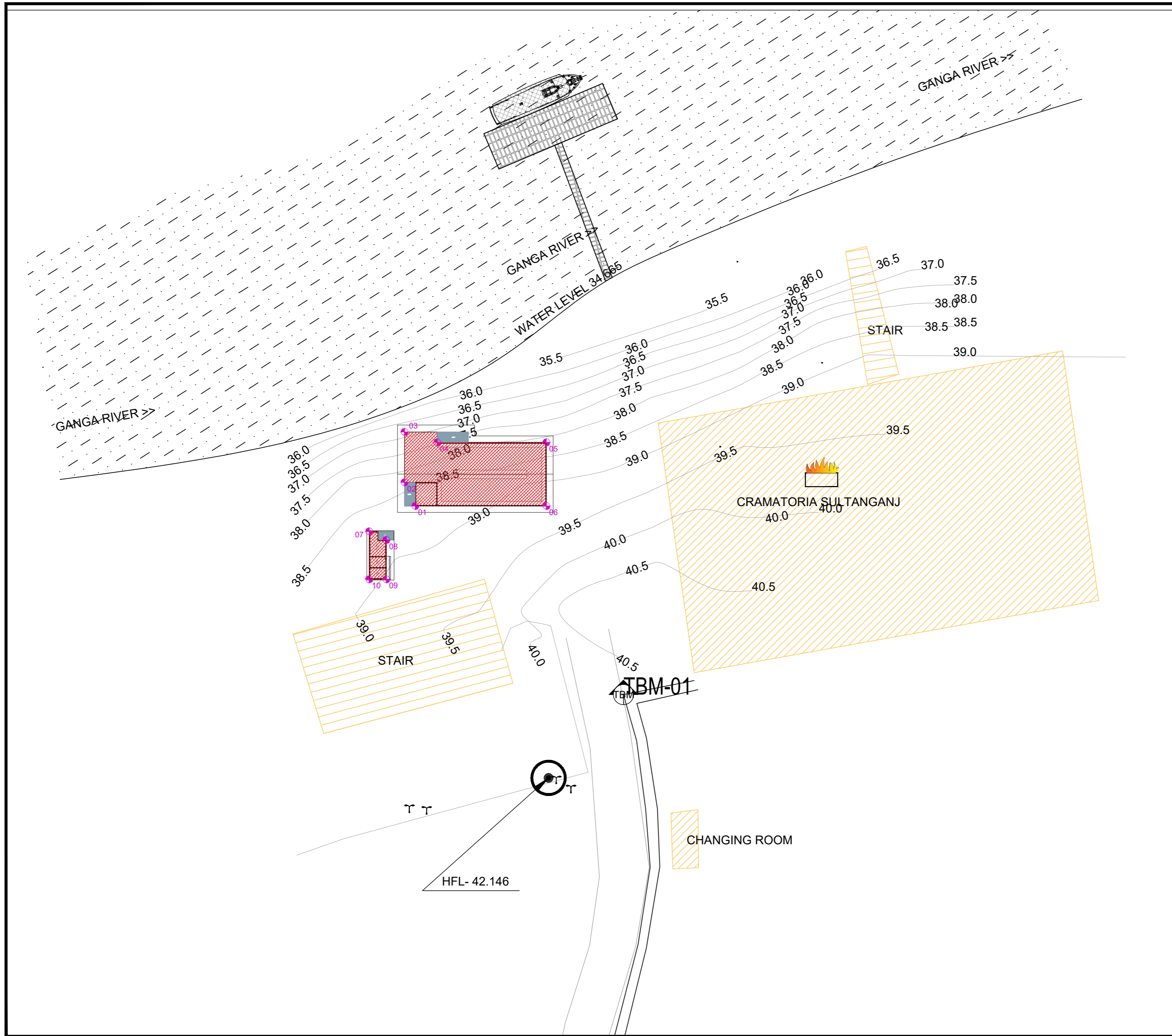
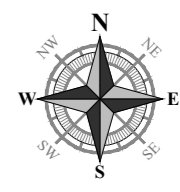
Subject: Lumpsum contract for construction of onshore facilities at 08 locations in Bihar.

IFB No: IN-IWAI-369002-CW-RFB-2

CPP Portal Ref: 2024_JMVP_795354_1

Amendment – 1

S. No.	Bid document Section, Clause	As per Bidding Documents/ previous amendment	Amended
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.	Position -X	Position -Y	ELEVATION
T.B.M. 1	473826.619	2793185.584	40.956

NOTE:

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING

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

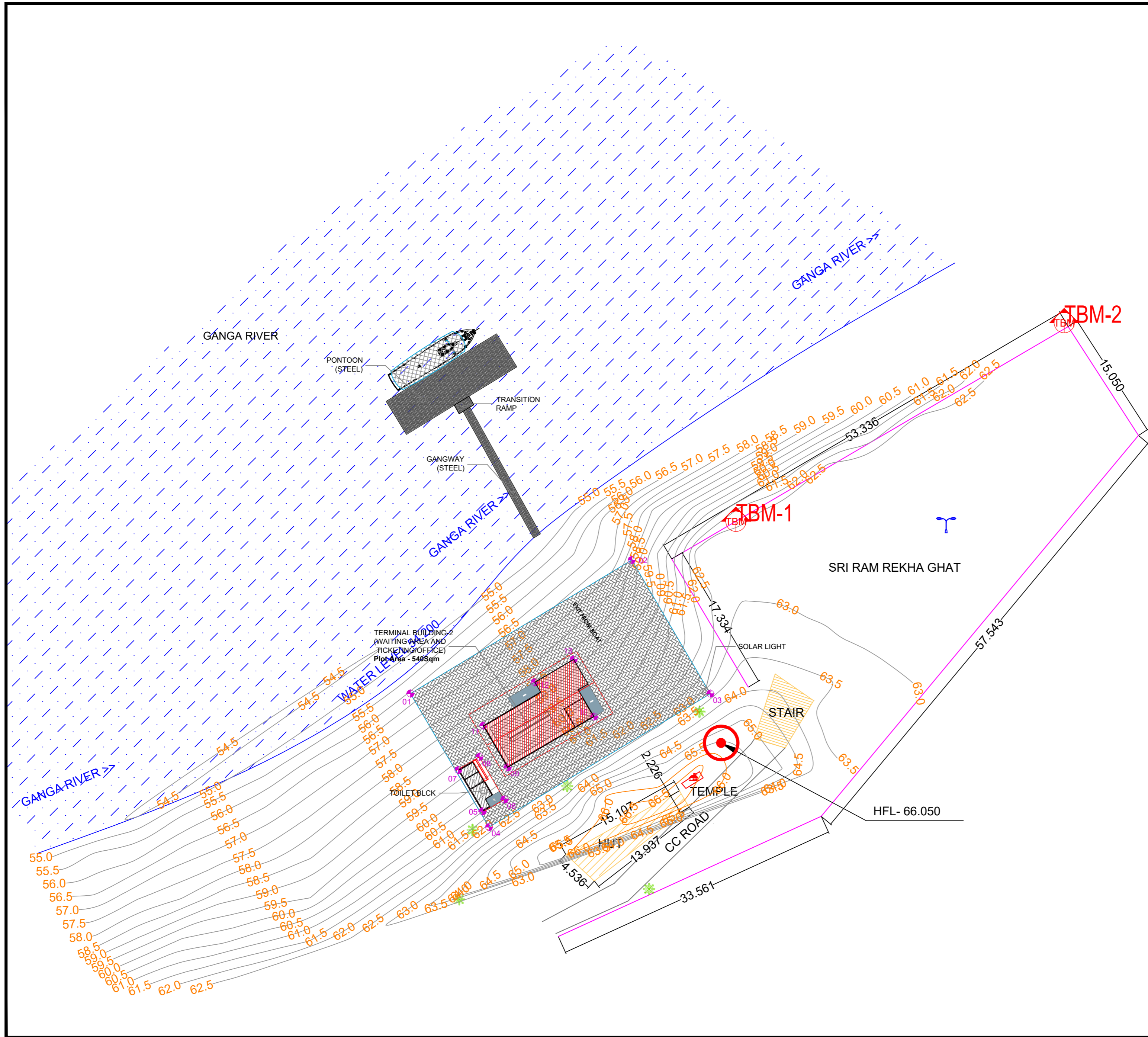
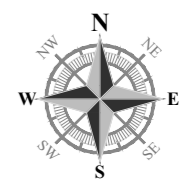
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE: -: GANGA GHAT SULTHANGANJ :- SITE PLAN

DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 07.07.2023

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_MM\DWG\WORKING\SITE PLAN\02_BIHAR\Bihar\5_SULTHANGANJ.dwg -19/07/2023



T.B.M. POINTS			
PONT I.D.	Position -X	Position -Y	ELEVATION
T.B.M. 1	798454.424	2832058.685	62.939
T.B.M. 2	798492.535	2832081.753	62.828

NOTE:

- EXISTING BUILDING
- PROPOSED BUILDING

COORDPNT	Position X	Position Y
01	798676.7671	2832038.7015
02	798702.4576	2832054.1969
03	798711.5860	2832038.6833
04	798685.8955	2832023.1879
05	798685.1450	2832025.0224
06	798687.6803	2832026.3987
07	798682.3266	2832029.8122
08	798684.7693	2832031.3458
09	798688.0682	2832030.1337
10	798698.0877	2832036.0293
11	798685.2308	2832034.9558
12	798691.2193	2832040.0111
13	798695.7186	2832042.6586

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

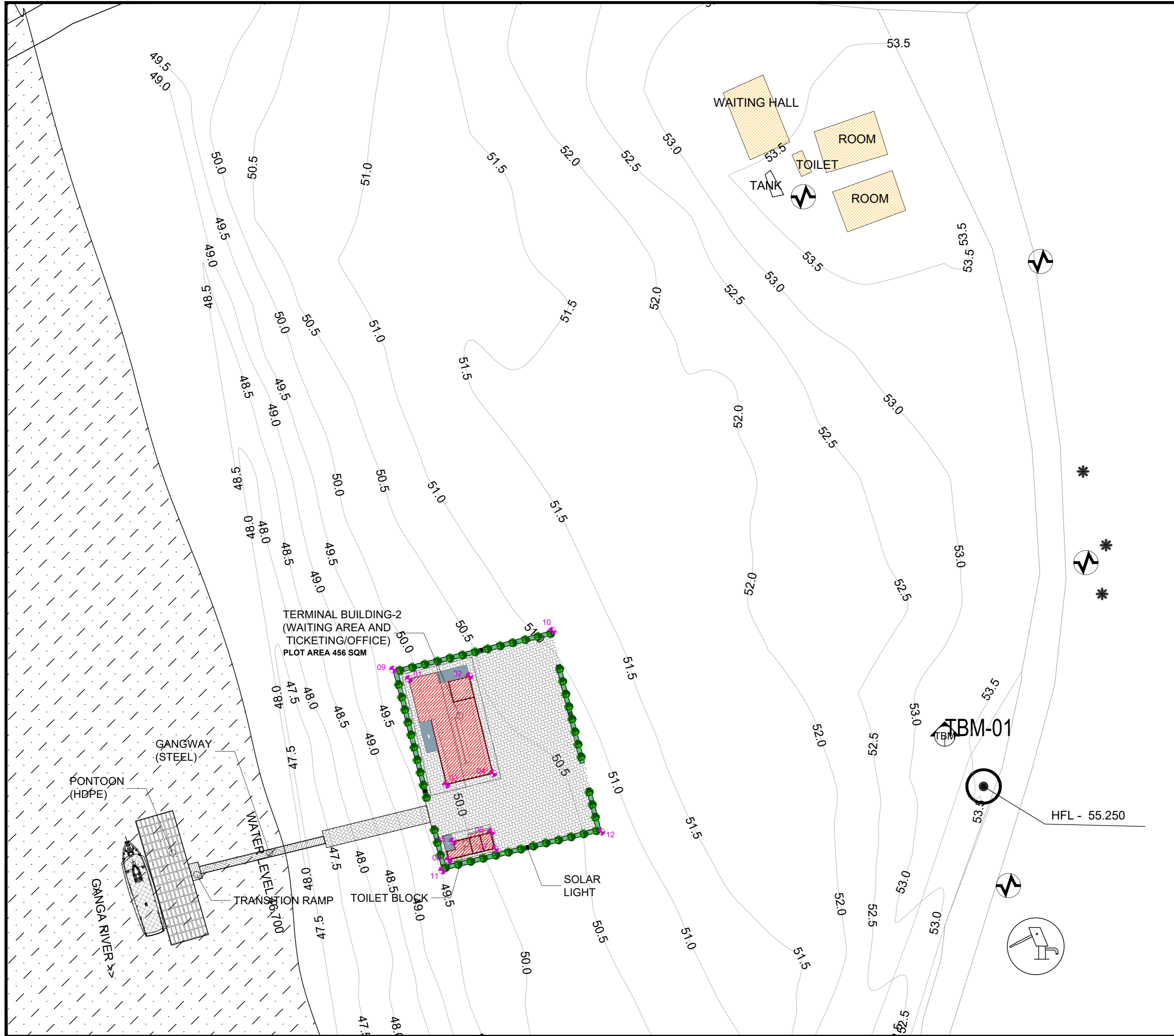
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE: -. BUXAR :- SITE PLAN

DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####

ISSUED FOR: **TENDER PURPOSE** UNIT: mm. DATE: 07.07.2023

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.



Position X	Position Y	COORDPNT
327933.5875	2827001.6120	01
327940.6183	2827001.9692	02
327937.9392	2826989.3487	03
327943.3747	2826990.6753	04
327938.6925	2826982.7677	05
327943.1283	2826983.8502	06
327943.5985	2826981.9238	07
327938.1995	2826980.6061	08
327931.7746	2827002.7136	09
327950.2329	2827007.2185	10
327937.4651	2826979.3975	11
327955.9233	2826983.9024	12

T.B.M. POINTS			
PONT I.D.	Position -X	Position -Y	ELEVATION
T.B.M. 1	327680.000	2826995.000	53.377

NOTE:

- EXISTING BUILDING
- PROPOSED BUILDING

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 BIHAR UNDER JMVP-II

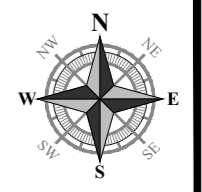
TITLE: -- RAGHOPUR DIYARA GHAT --
 SITE PLAN

DRG NO: DP 1083 DRG CL 03 002	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####

ISSUED FOR: **TENDER PURPOSE** UNIT: mm. DATE: 07.07.2023

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_DP\1083_DRG\Working\Site_Plan\02_BIHAR\Bihar_12_RAGHOPUR DIYARA GHAT.dwg _19.07.2023



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 BIHAR UNDER JMVP-II

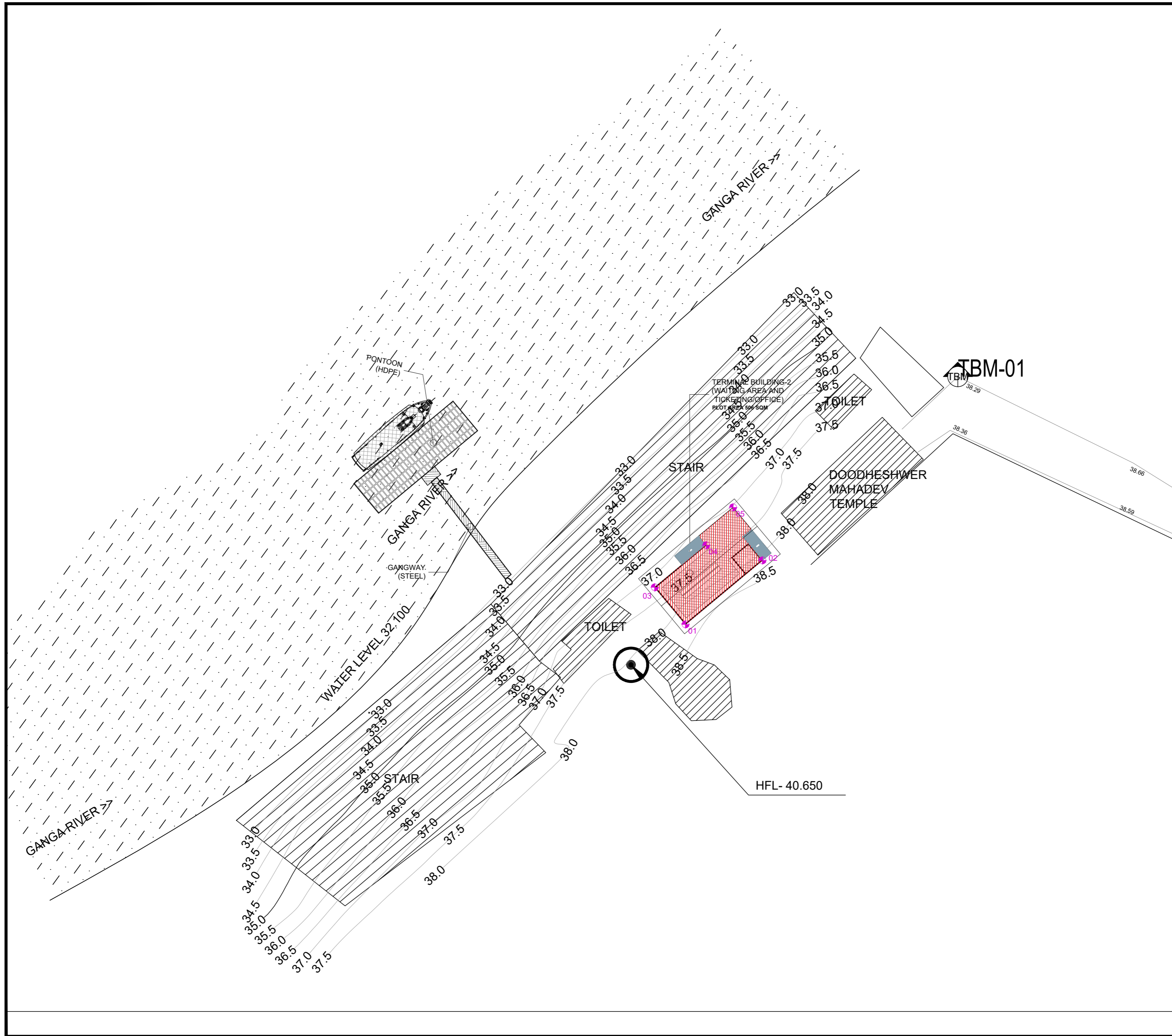
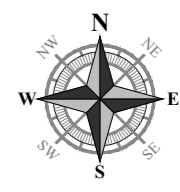
TITLE: -: KACHIDARGA :-
SITE PLAN

DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####

ISSUED FOR: TENDER PURPOSE UNIT: mm. DATE: 07.07.2023

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 MM GARDENS\WORKING SITE PLAN\02 BIHAR\Bihar_1_KACHIDARGA.dwg 24.07.2023



COORDPNT	Position X	Position Y
01	523279.254	2794613.222
02	523288.190	2794620.658
03	523275.675	2794617.523
04	523281.661	2794622.407
05	523284.782	2794626.818

T.B.M. POINTS			
PONT I.D.	Position -X	Position -Y	ELEVATION
T.B.M. 1	523031.432	2794642.013	38.547

NOTE:

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING

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

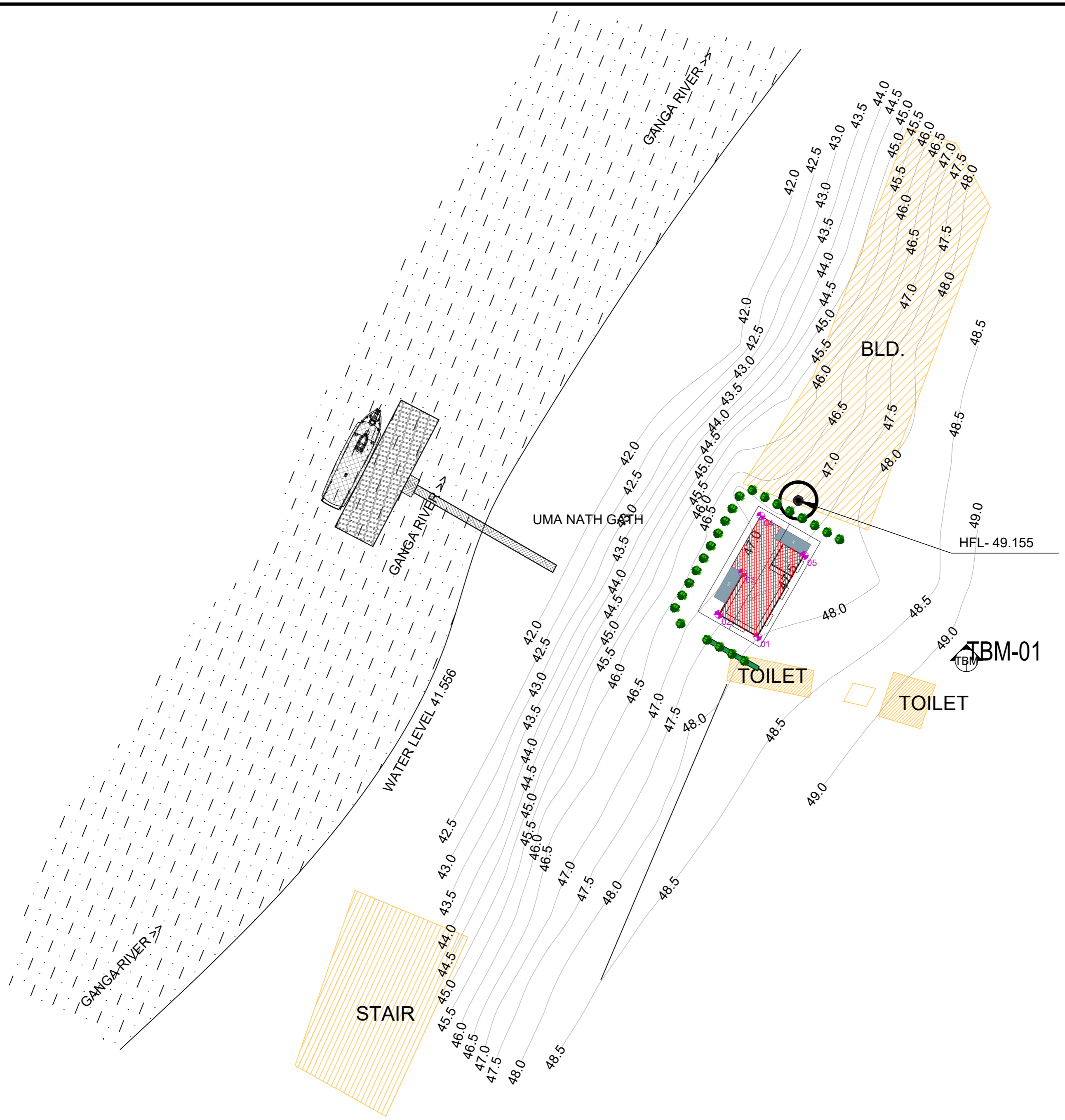
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE: -: KAHAGAON :-
SITE PLAN

DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 07.07.2023

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 MM CWL Working\SITE PLAN\02_BIHAR\Bhar.G. - KAHAGAON.dwg _19/07/2023



COORDPNT	Position X	Position Y
01	370902.5880	2820229.3611
02	370898.5083	2820231.6848
03	370901.0160	2820236.0394
04	370902.9344	2820242.0159
05	370907.4882	2820237.8702

T.B.M. POINTS			
PONT I.D.	Position -X	Position -Y	ELEVATION
T.B.M. 1	370713.791	2820226.874	49.160
T.B.M. 2	798492.535	2832081.753	62.828

NOTE:

- 1. EXISTING BUILDING (Yellow hatched)
- 2. PROPOSED BUILDING (Red hatched)

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 BIHAR UNDER JMVP-II

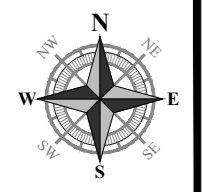
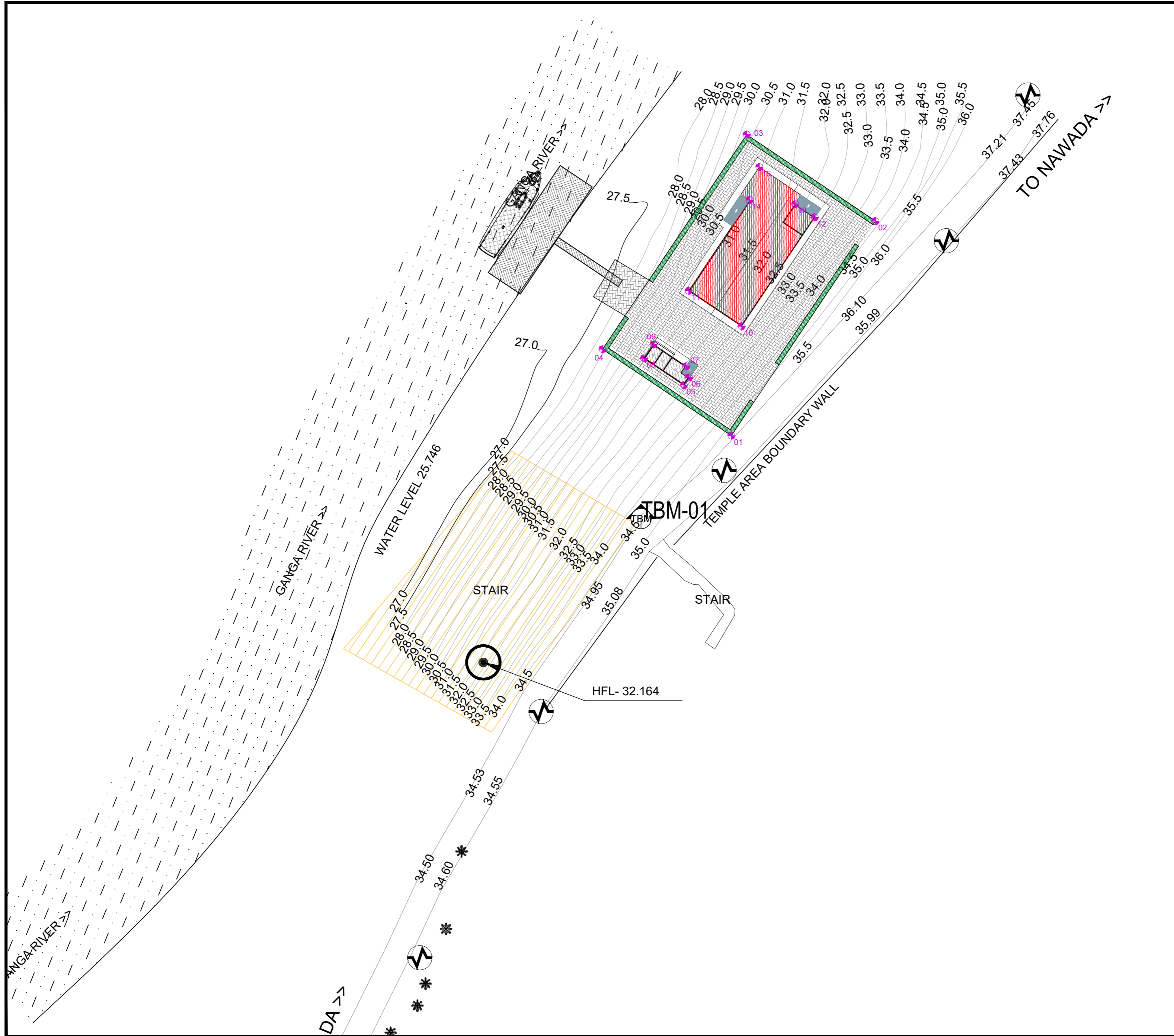
TITLE: -: BARH GHAT :-
SITE PLAN

DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED #####	APPROVED: #####

ISSUED FOR: TENDER PURPOSE UNIT: mm. DATE: 07.07.2023

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 MM GARDENS\WORKING SITE PLAN\02_BIHAR\Barh\Barh-I - BARH GHAT.dwg - 24.07.2023



COORDPNT	Position X	Position Y
01	526489.89	2801446.73
02	526506.61	2801471.63
03	526491.67	2801481.67
04	526474.94	2801456.76
05	526484.37	2801452.58
06	526484.97	2801453.48
07	526484.65	2801454.78
08	526479.75	2801455.68
09	526480.86	2801457.33
10	526491.08	2801459.43
11	526484.94	2801463.55
12	526499.56	2801472.07
13	526497.28	2801473.60
14	526492.00	2801474.07
15	526493.13	2801477.90

T.B.M. POINTS			
PONT I.D.	Position -X	Position -Y	ELEVATION
T.B.M. 1	526222.455	2801437.092	35.369

NOTE:

- 1. EXISTING BUILDING
- 2. PROPOSED BUILDING

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

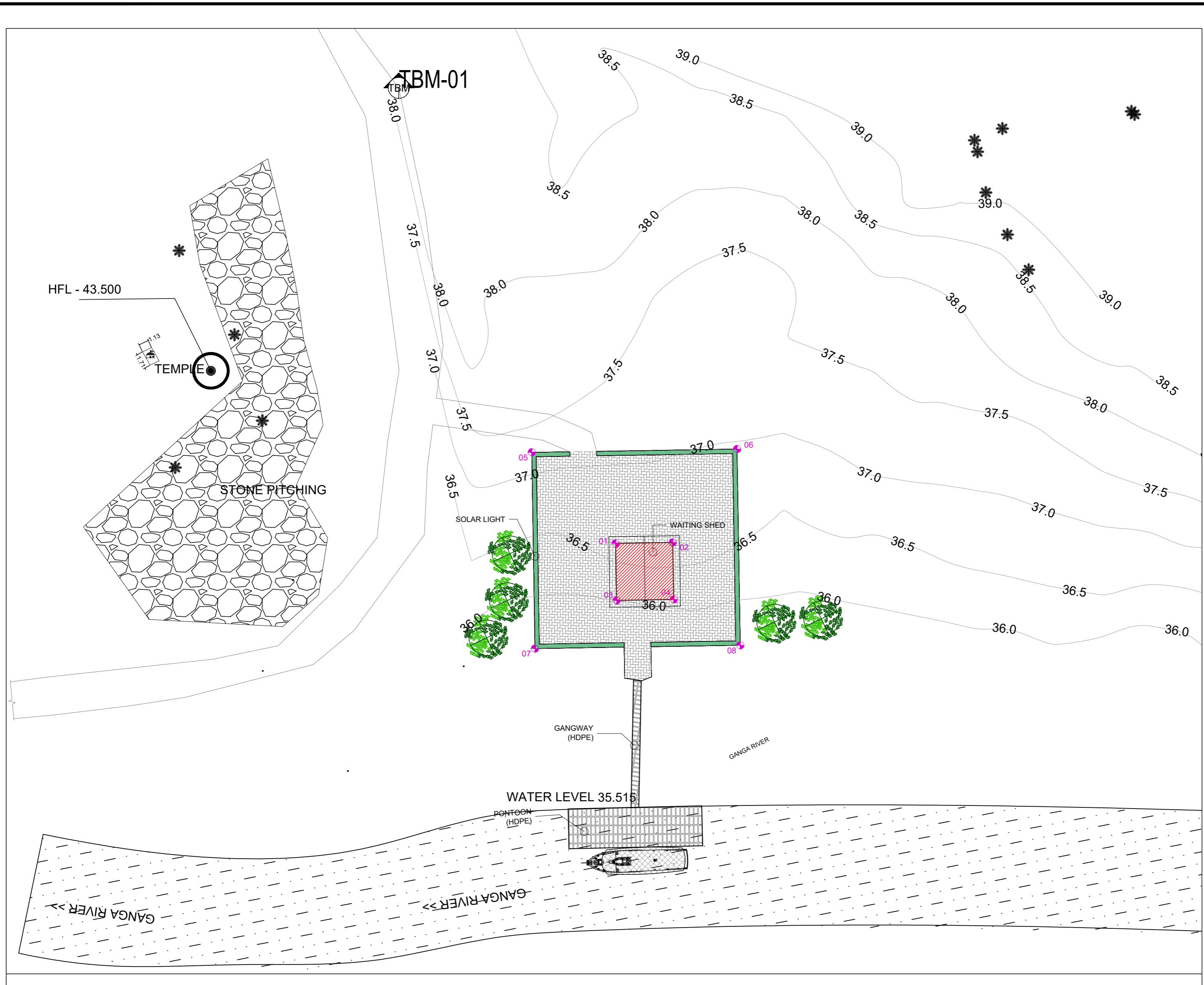
PROJECT:
DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE:
:- BATESHWAR SHAN :-
SITE PLAN

DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####
ISSUED FOR: TENDER PURPOSE		UNIT: mm.	DATE: 07.07.2023	

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_DP1083\WORKING\SITE PLAN\02_BIHAR\Bihar_V - BATESHWAR SHAN.dwg - 19.07.2023



COORDPNT	EAST	NORTH
01	473491.1314	2795122.0660
02	473497.5306	2795122.1688
03	473491.2342	2795115.6669
04	473497.6333	2795115.7696
05	473481.7394	2795132.2666
06	473504.7364	2795132.6358
07	473482.0925	2795110.2694
08	473505.0895	2795110.6386

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 BIHAR UNDER JMVP-II

TITLE: AGWANI GHAT - SITE PLAN

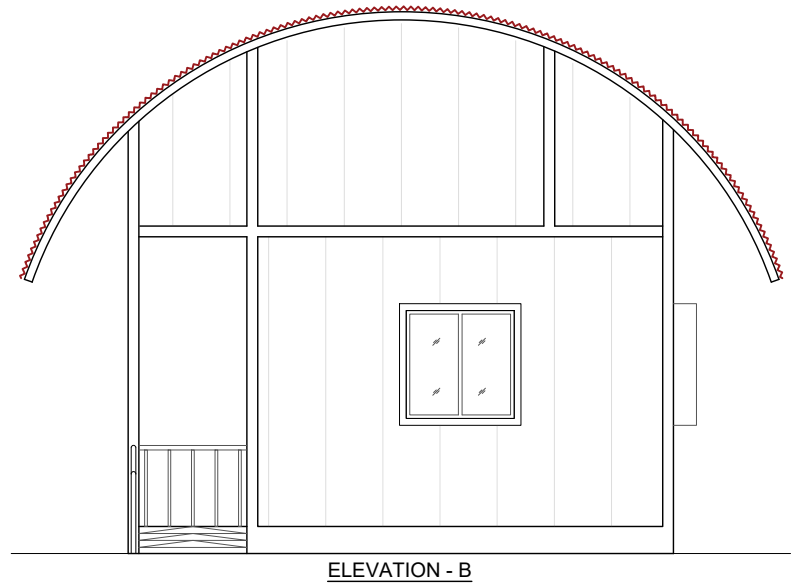
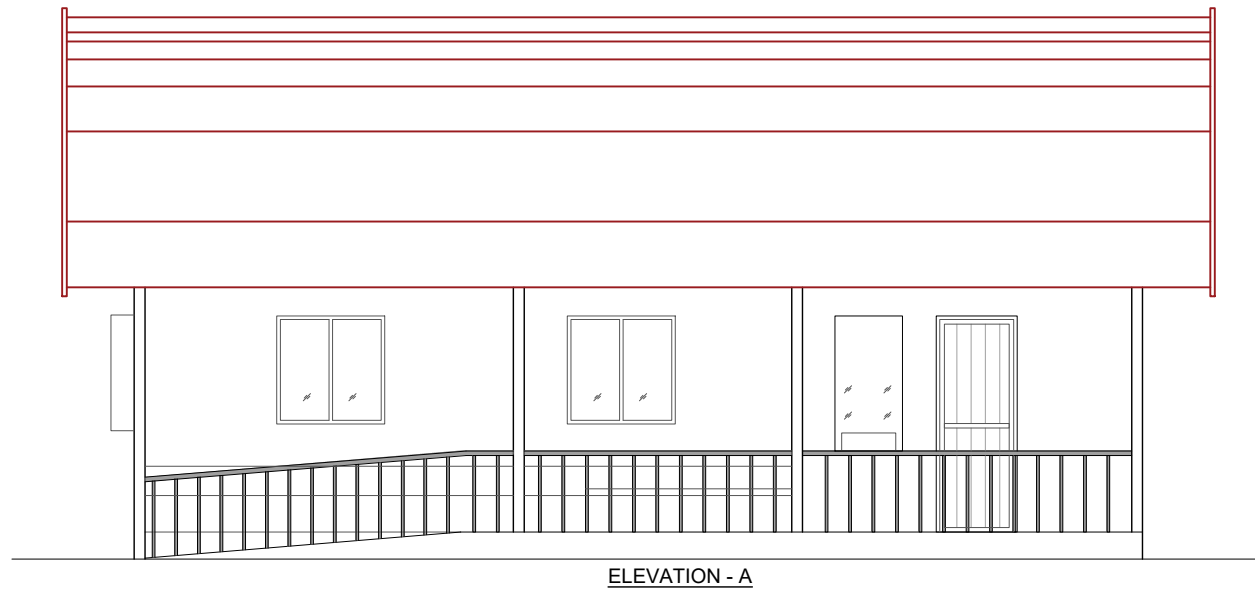
DRG NO: DP 1083 DRG CL 03 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: #####	CHECKED: #####	DRAWN: #####	DRG. CHECKED: #####	APPROVED: #####
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 01.03.2023

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.

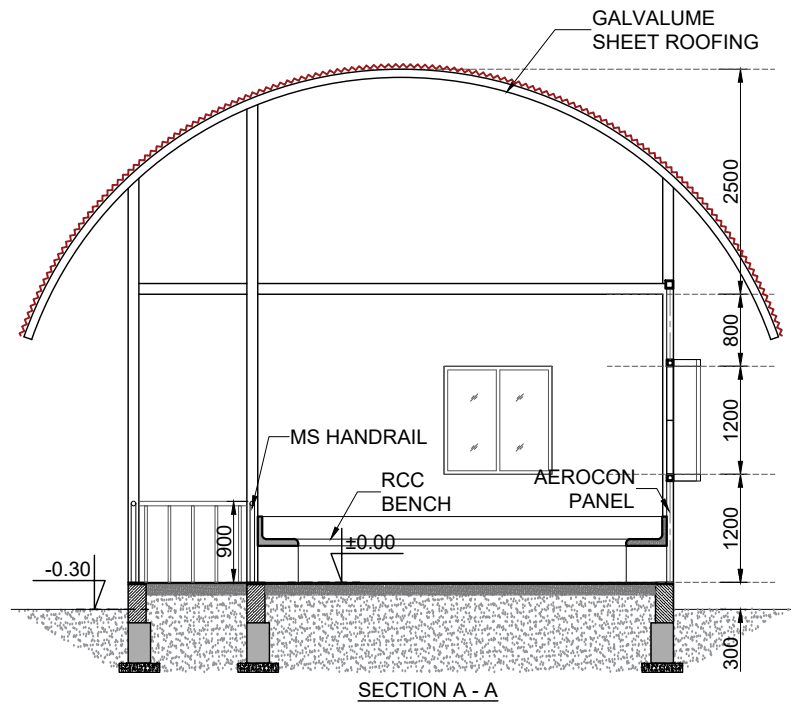
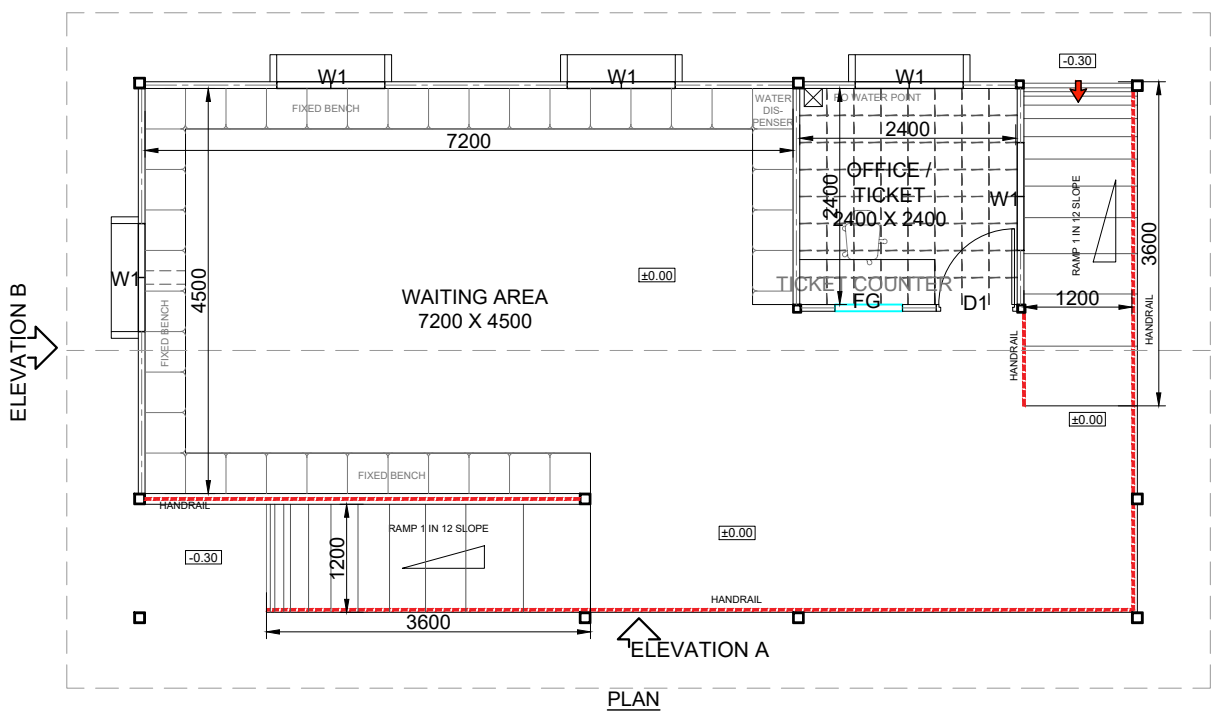
S:\WORKS\1083 - IWA\1083 WORKING SITE PLAN\02 - BIHAR\Bihar\10 - AGWANI GHAT\DWG - 19.07.2023

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.



Rev.No.	PARTICULARS	INITIAL	DATE

REVISION

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

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

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

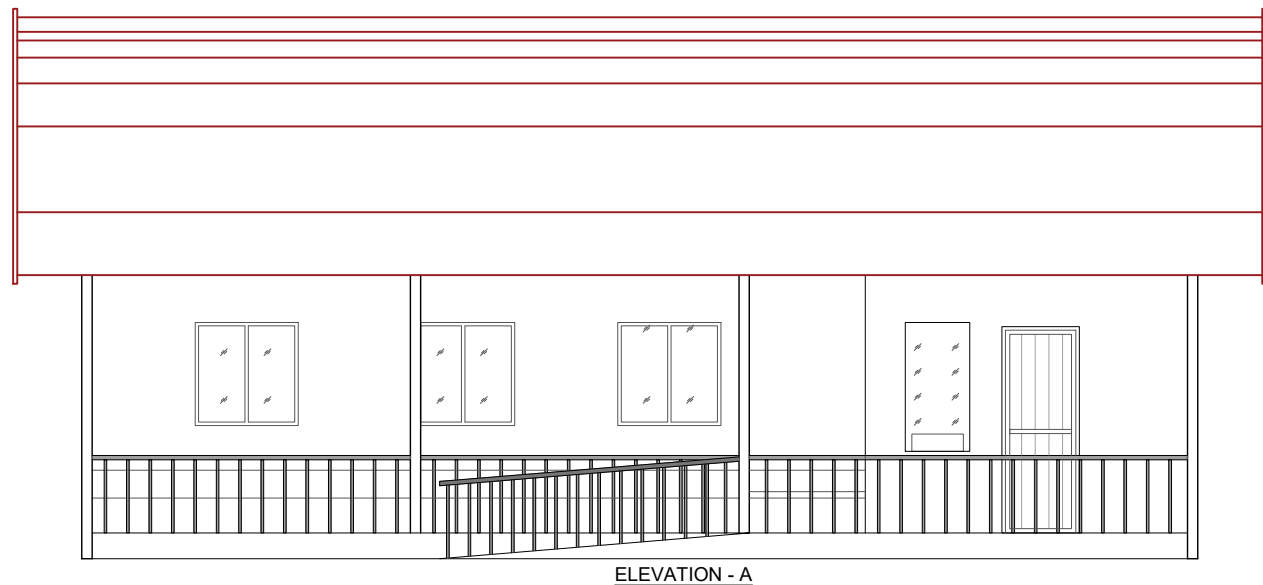
TITLE: -: TERMINAL BUILDING MODULE 1:-
 (WAITING AREA, TICKETING AND OFFICE)
 PLAN,SECTION AND ELEVATION.

DRG NO: DP 1083 DRG CL 02 101	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Kiran Kumar	DRAWN: Hari Sankar	CHECKED: Kiran Kumar	VERIFIED: Sansu sunny	APPROVED: Lipin K

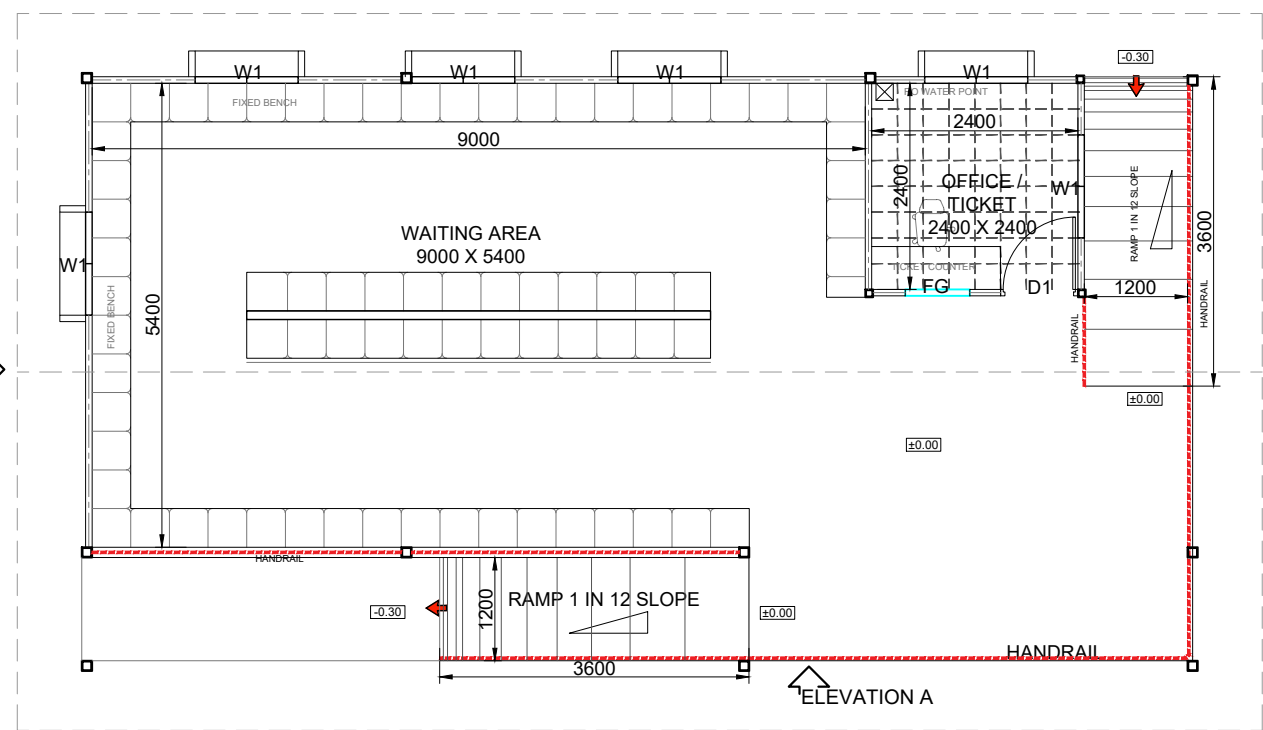
ISSUED FOR: **TENDER PURPOSE** UNIT: mm. DATE: 03.12.2022

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

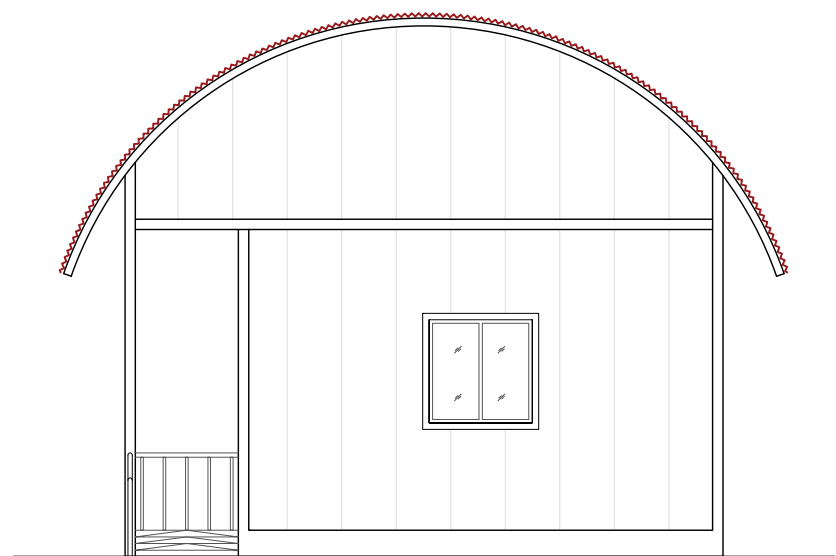
\\data\library3\Org\gong\DWGS\1083 IWA\CIVIL\WORKING\IWA TERMINAL\02_BHAR\03_101_ARCH_TERMINAL BUILDING_MOD 1_BR_IWA.dwg _04.01.2023



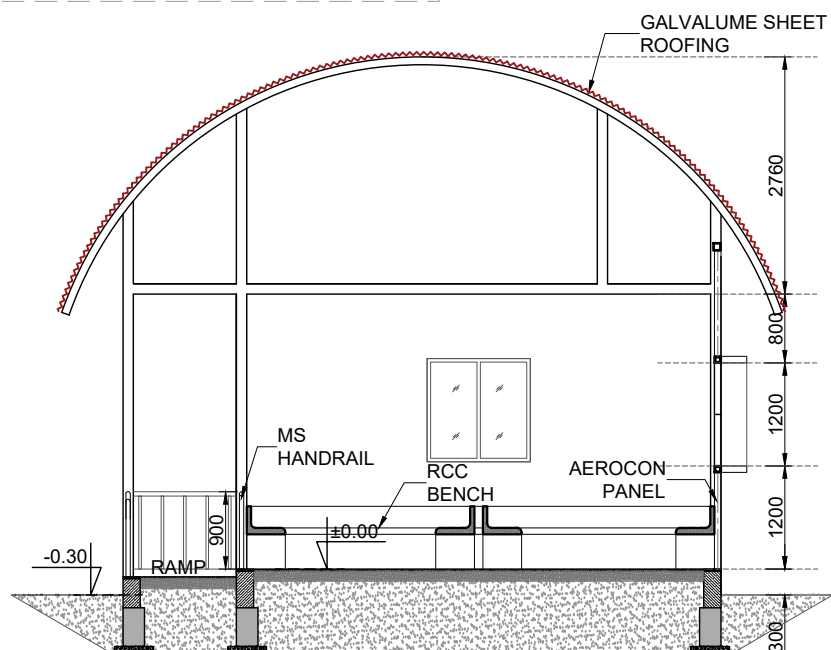
ELEVATION - A



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

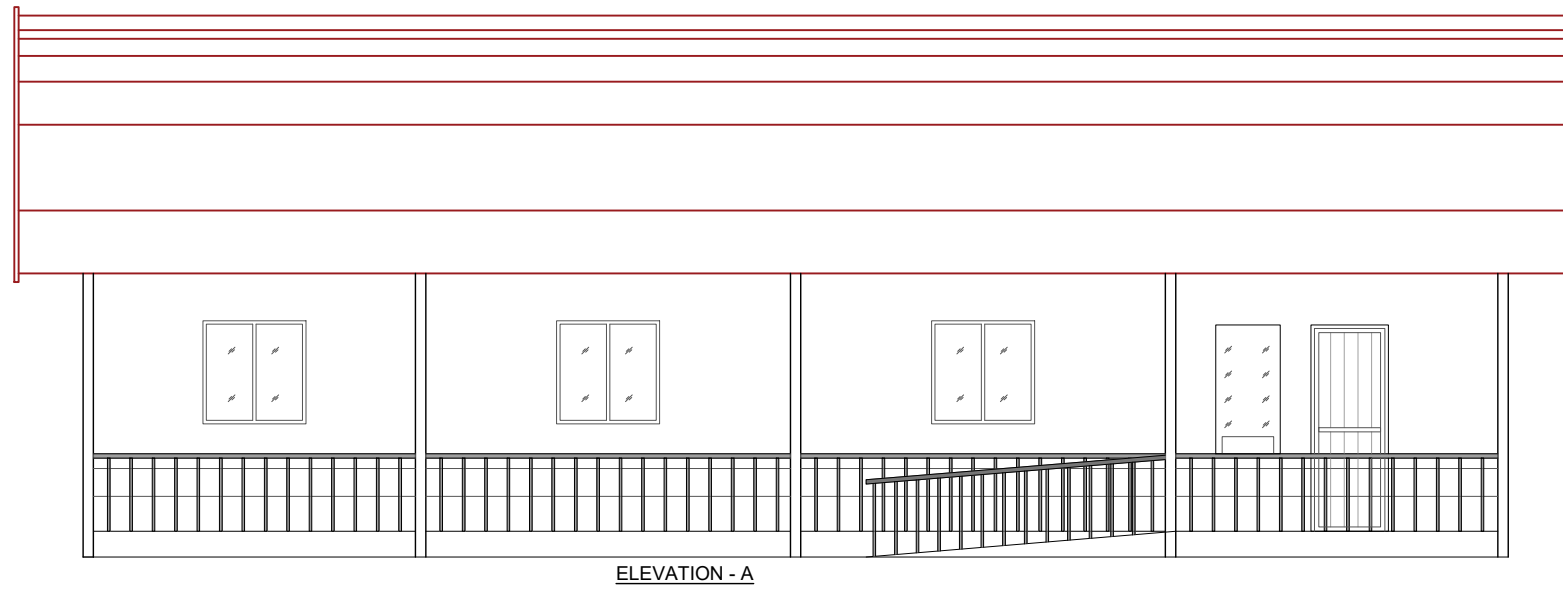
FINISHING SCHEDULE				
FACILITIES	FLOORING	ROOF	INTERIOR WALLS	EXTERIOR WALLS
WAITING AREA AND TICKET COUNTER	KOTA STONE FLOORING	GALVALUME SHEET ROOFING	AEROCON PANEL WITH EXTERIOR EMULSION PAINT	AEROCON PANEL WITH EXTERIOR GRADE EMULSION PAINT ALONG WITH TEXTURED PAINT AS PER DESIGN
RAMP AND STEP	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

NOTE:

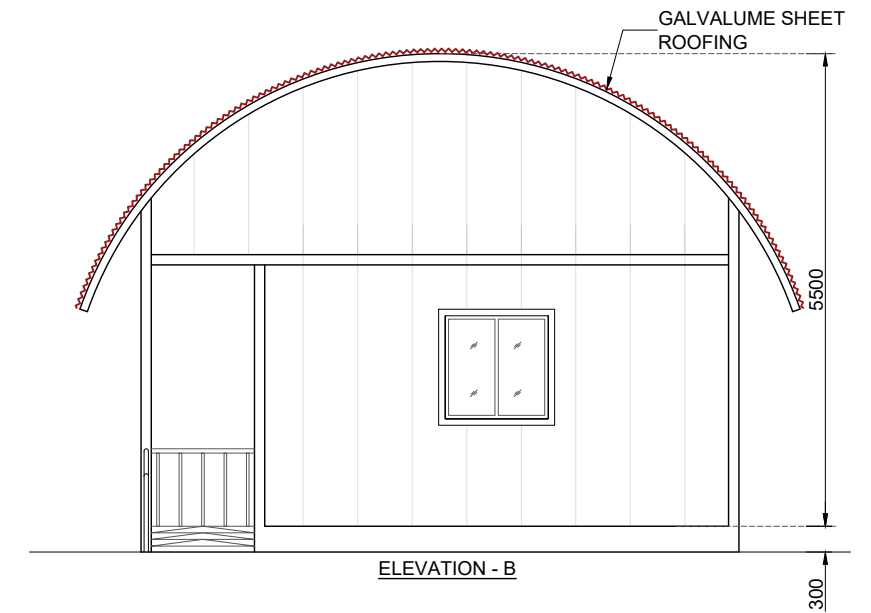
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. ±0.00m LVL. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
4. HFL TO BE VERIFIED AND CONSIDERED BEFORE COMMENCEMENT OF THE PROJECT, AT EACH OF THE SITE.
5. LIGHTING FIXTURES, PLUMBING FIXTURES, 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. <small>(Estd. in 1972 by IDBI & Govt. of Kerala)</small> <small>PUTHIYA ROAD - NH BYPASS, KOCHI - 28</small>			
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA			
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BR UNDER JMVP-II			
TITLE: -: TERMINAL BUILDING MODULE 2:- (WAITING AREA, TICKETING AND OFFICE) PLAN,SECTION AND ELEVATION.			
DRG NO: DP 1083 DRG CL 02 102	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
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			

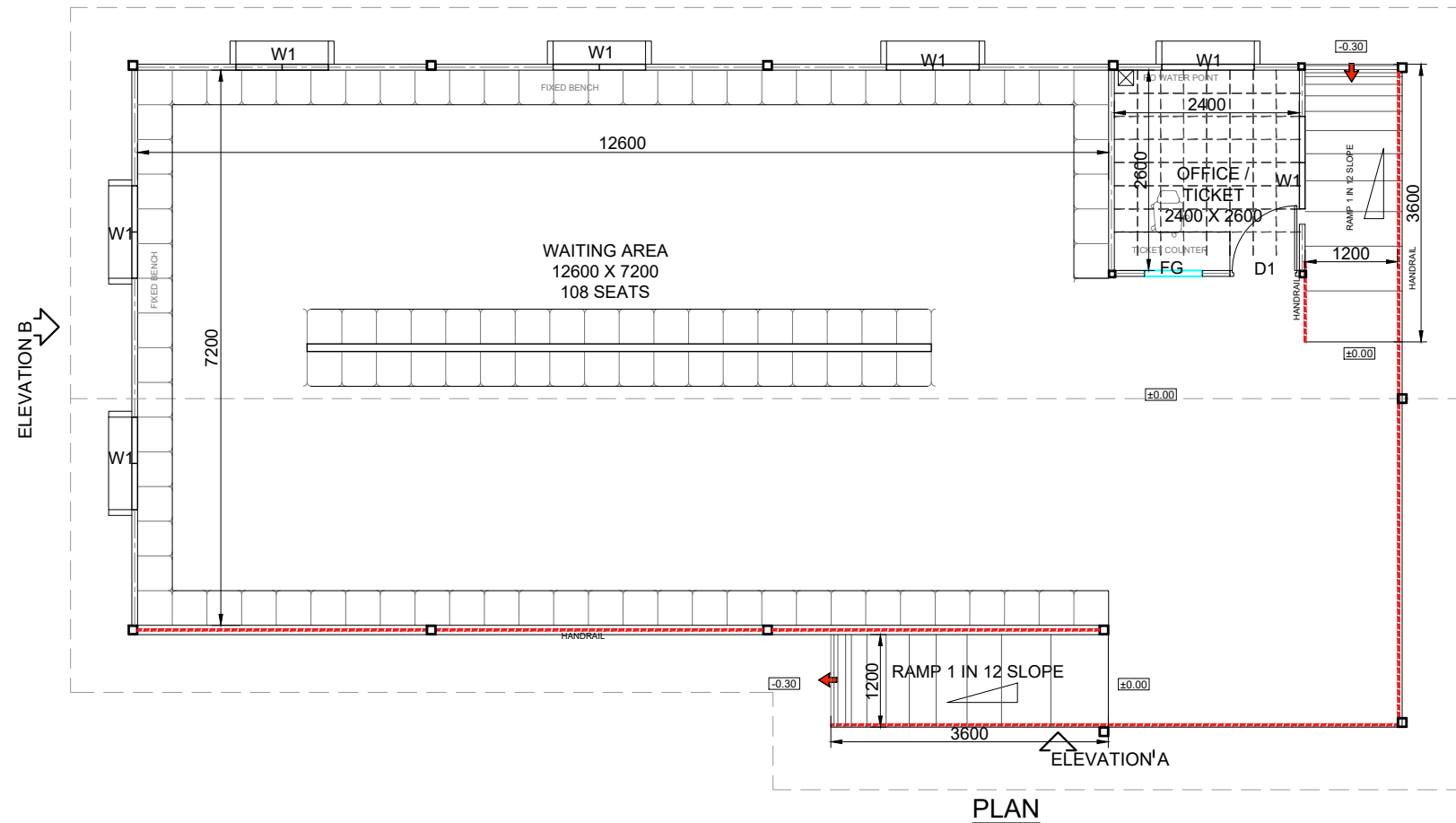
S:\DWG\1083 IWA\CIVIL\WORKING\IWA TERMINAL\02_BIHAR\02_101_ARCH_TERMINAL BUILDING_MOD 2_WB_IWA.dwg_04.01.2023



ELEVATION - A



ELEVATION - B



PLAN

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 BR UNDER JMVP-II

TITLE:
**-: TERMINAL BUILDING MODULE 3:-
(WAITING AREA, TICKETING AND OFFICE)
PLAN,SECTION AND ELEVATION.**

DRG NO: DP 1083 DRG CL 02 103	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

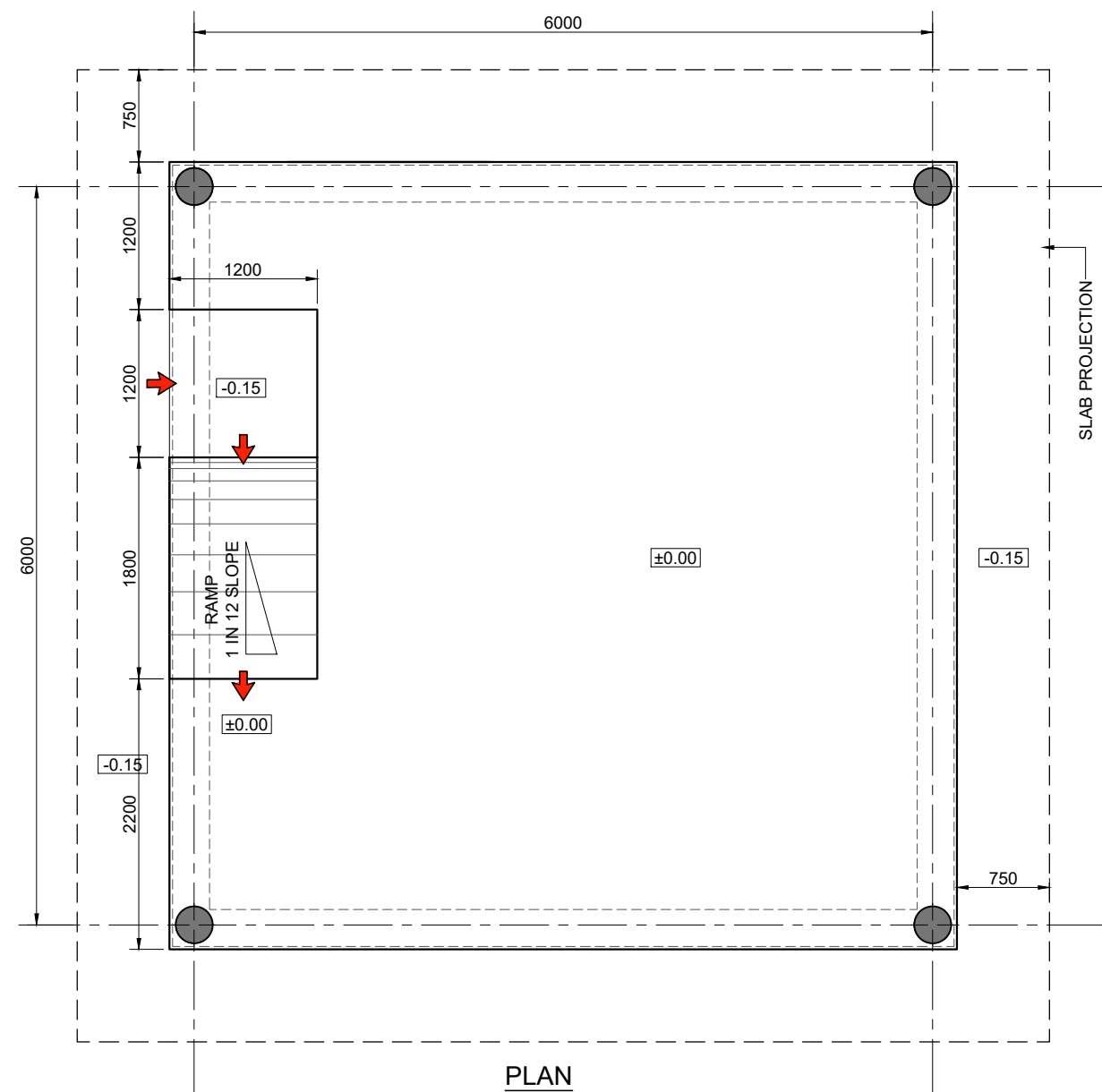
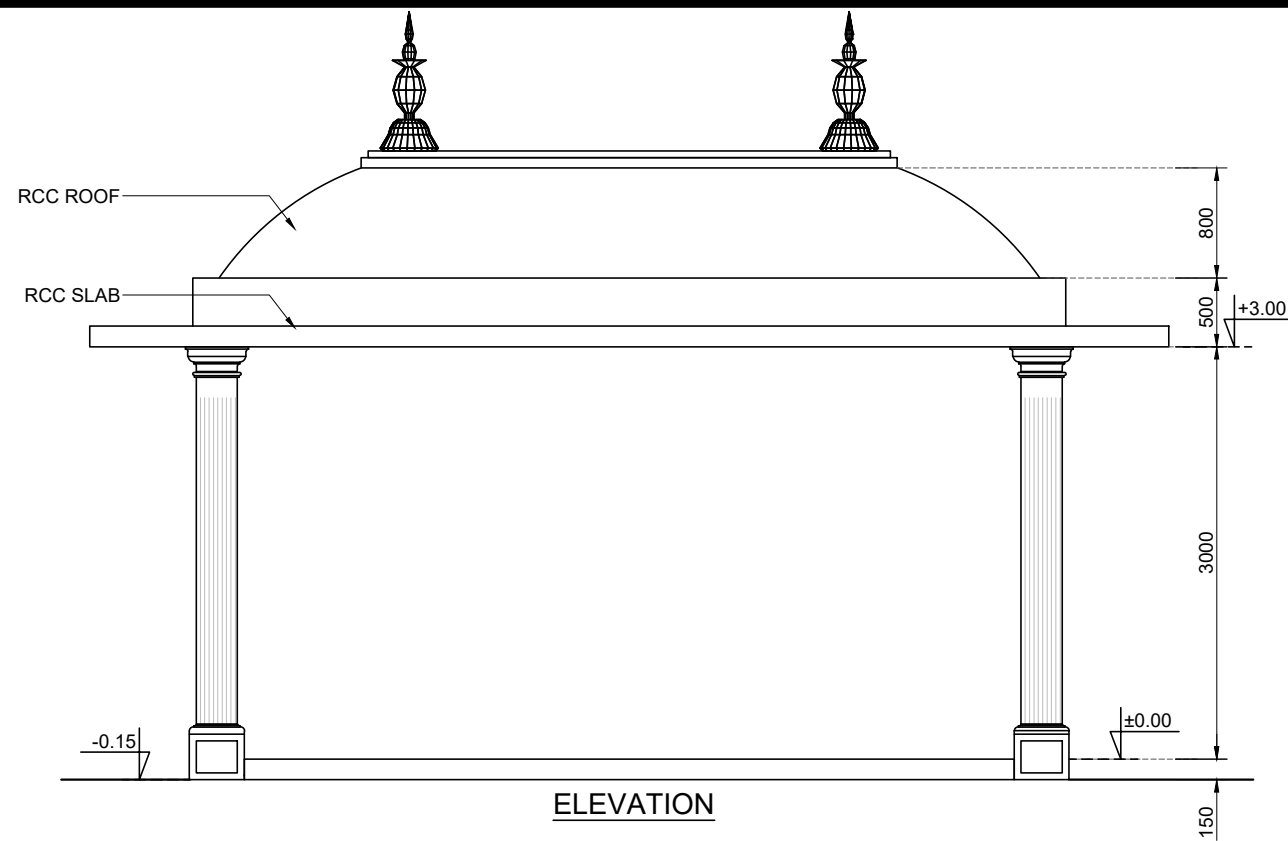
UNIT:
mm.

DATE:
03.12.2022

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

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			



FINISHING SCHEDULE			
FACILITIES	FLOORING	ROOF	EXTERIOR WALLS
WAITING AREA	KOTA STONE FLOORING	RCC ROOF WITH EXTERIOR EMULSION PAINT FINISH	AEROCON PANEL WITH EXTERIOR GRADE EMULSION PAINT ALONG WITH TEXTURED PAINT AS PER DESIGN
RAMP			

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 BR UNDER JMVP-II

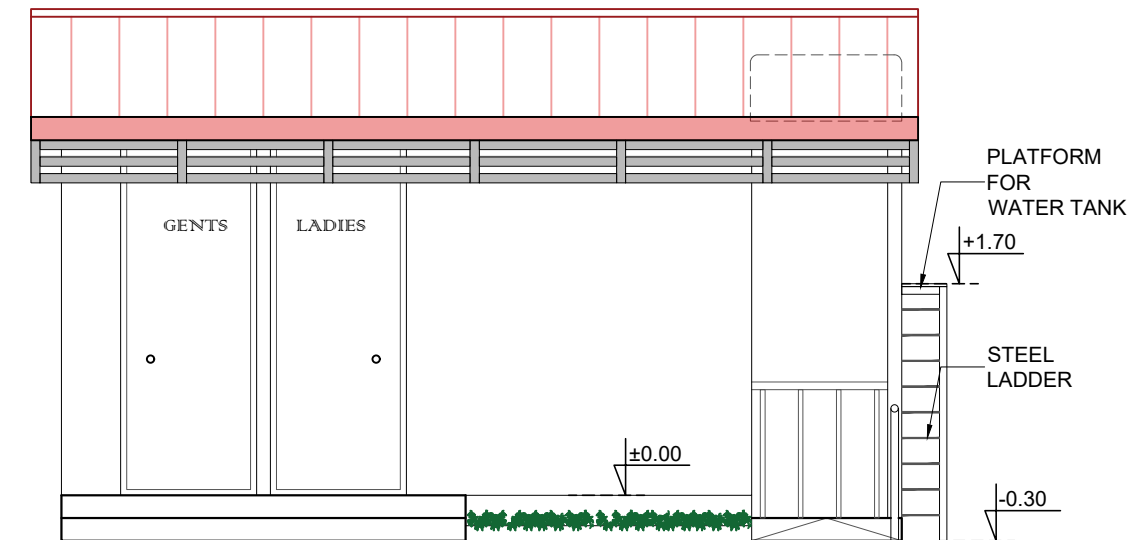
TITLE: -: TERMINAL BUILDING MODULE 4:-
 (WAITING AREA SHED)
 PLAN,SECTION AND ELEVATION.

DRG NO: DP 1083 DRG CL 02 104	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
----------------------------------	---------------------	------	---------------	----

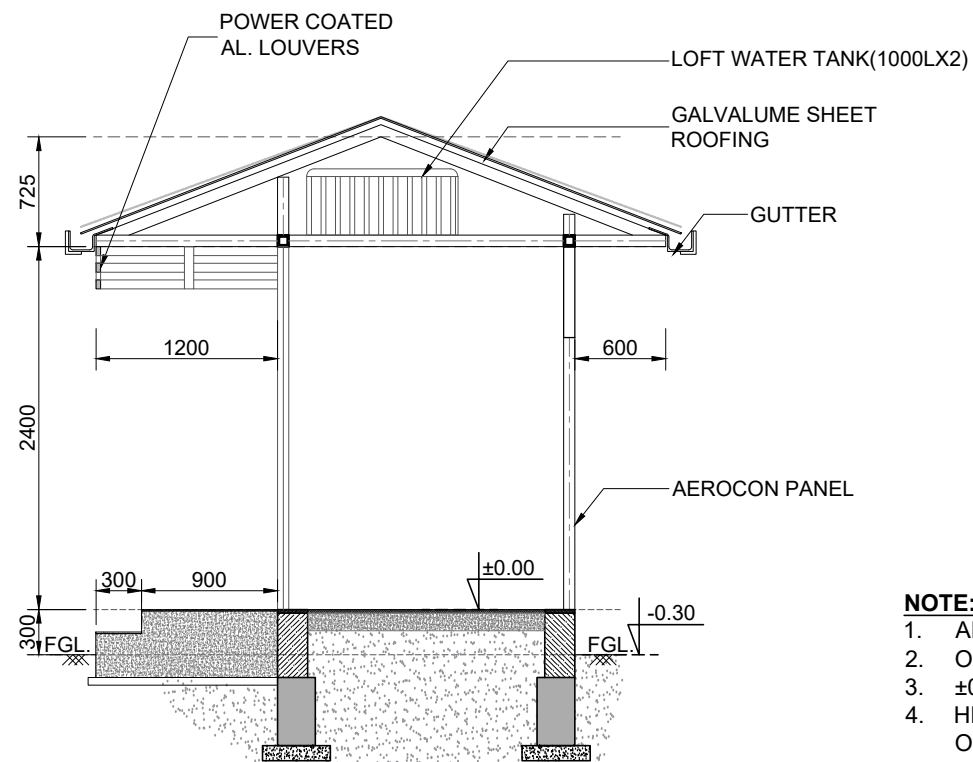
DESIGNED: Kiran Kumar	DRAWN: Jithu Varghese	CHECKED: Kiran Kumar	VERIFIED: Sansu sunny	APPROVED: Lipin K
--------------------------	--------------------------	-------------------------	--------------------------	----------------------

ISSUED FOR: TENDER PURPOSE	UNIT: mm.	DATE: 19.01.2023
--------------------------------------	--------------	---------------------

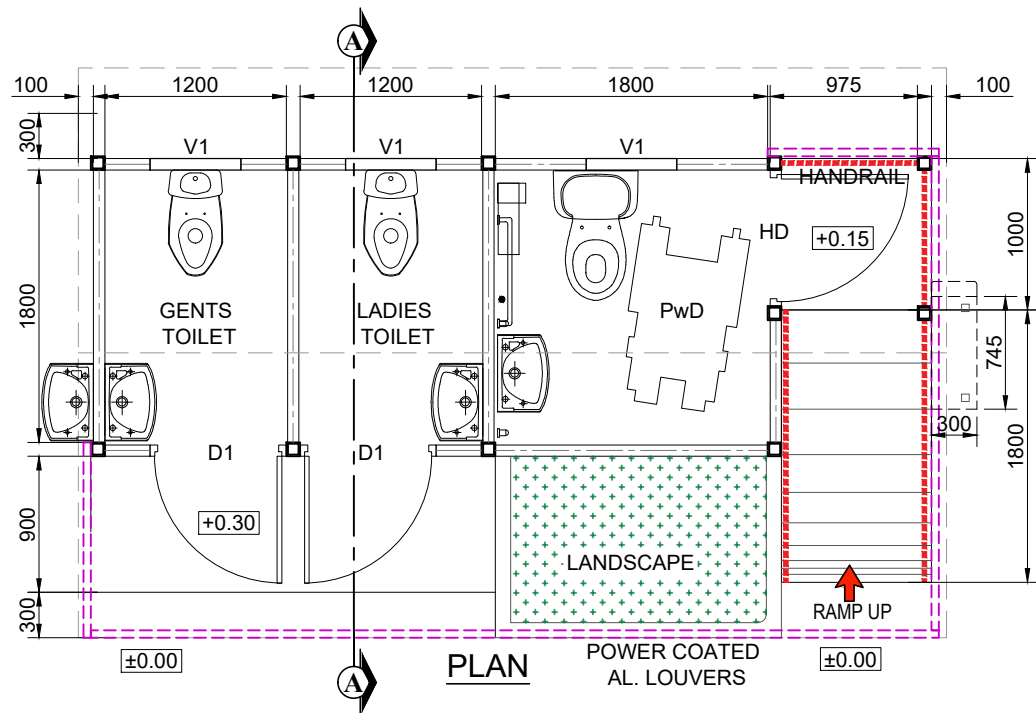
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand



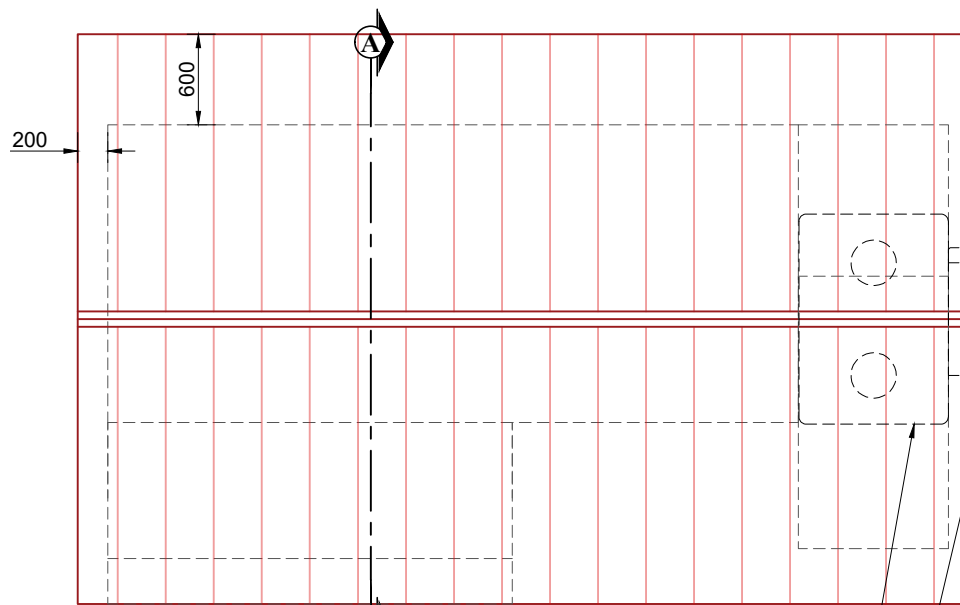
ELEVATION



SECTION A-A



PLAN



ROOF PLAN

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 14 NOS, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

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

DRG NO: DP 1083 DRG CL 01 201	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
--------------------------------------	--------------	---------------------

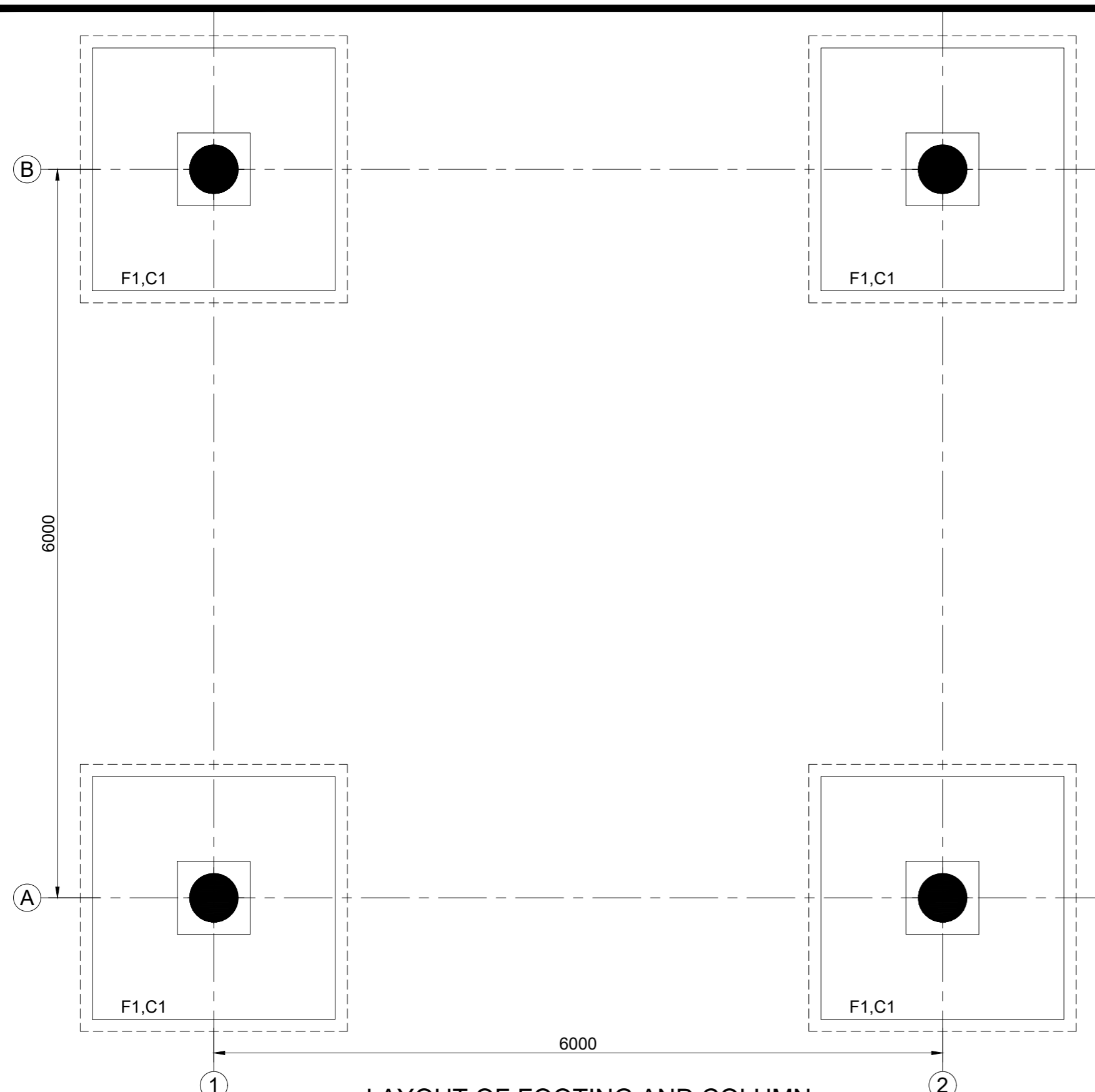
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand

FINISHING SCHEDULE

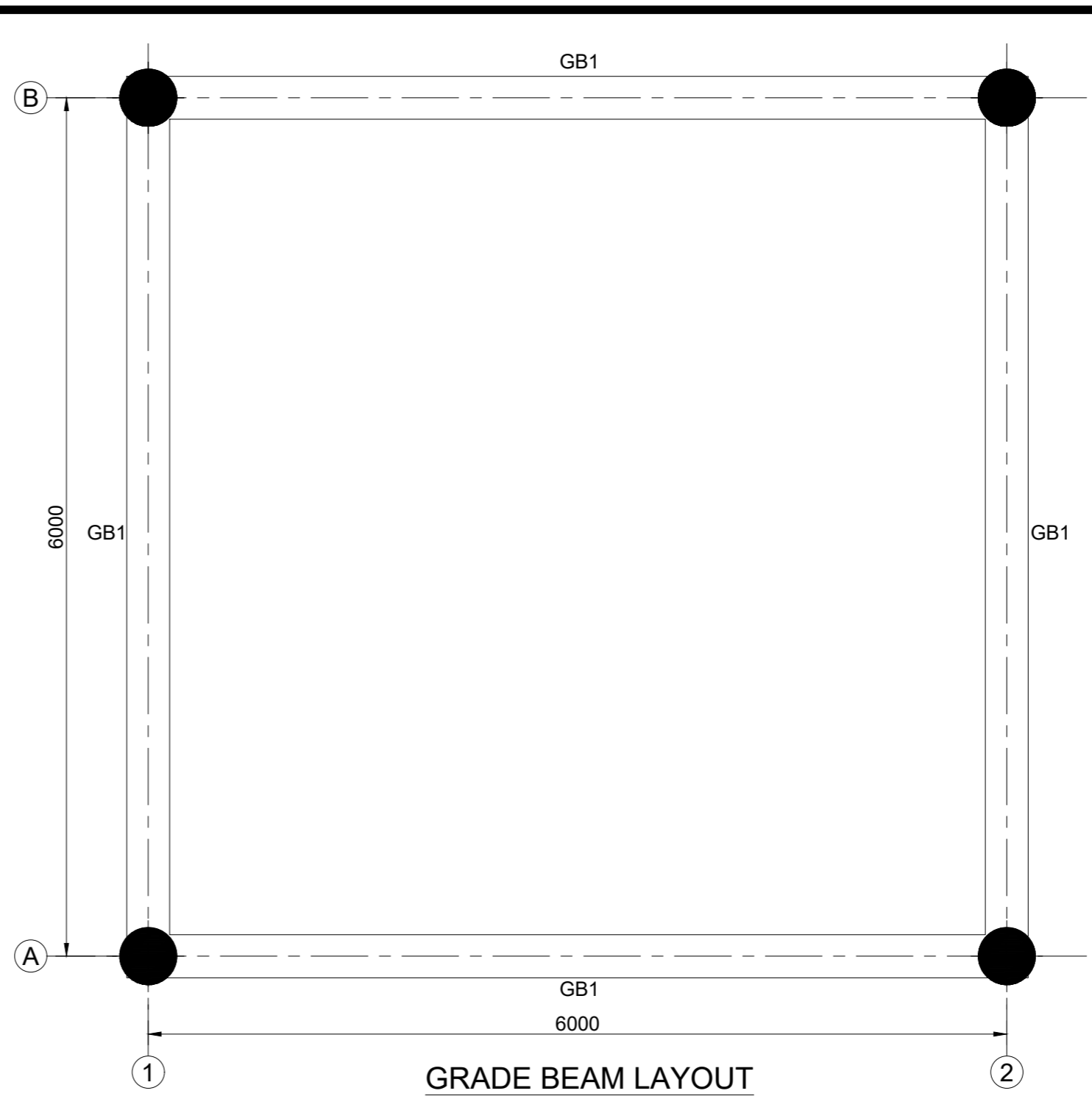
FACILITIES	FLOORING	ROOF	INTERIOR WALLS	EXTERIOR WALLS
TOILET AREA	ANTISKID CERAMIC TILE (600 X 600)	GALVALUME SHEET ROOFING	DADOING UPTO 2.4M HT. WITH INTERIOR ACRYLIC PAINT FINISH OVER AEROCON PANEL	AEROCON PANEL WITH EXTERIOR GRADE EMULSION PAINT ALONG WITH TEXTURED PAINT AS PER DESIGN
RAMP AND STEP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

JOINERY SCHEDULE

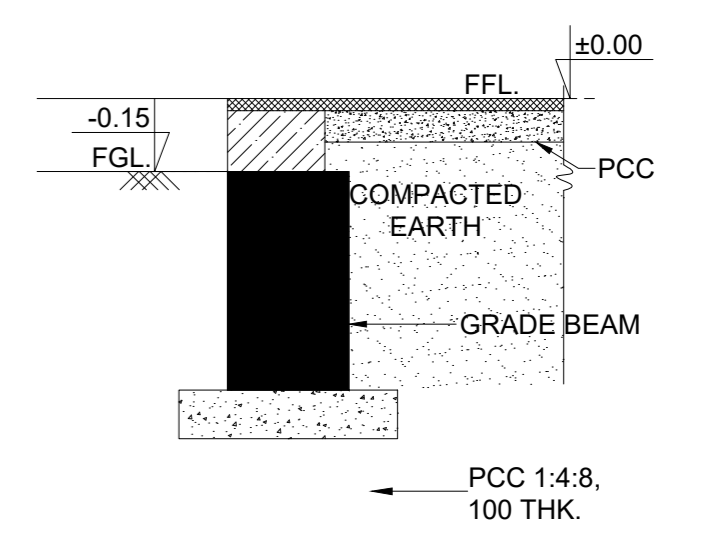
NAME	WIDTH	HEIGHT	TYPE OF OPENING
D1	900	2100	FRP DOOR
HD	1000	2100	AL.HANDICAPPED DOOR
V1	600	600	AL.VENTILATOR



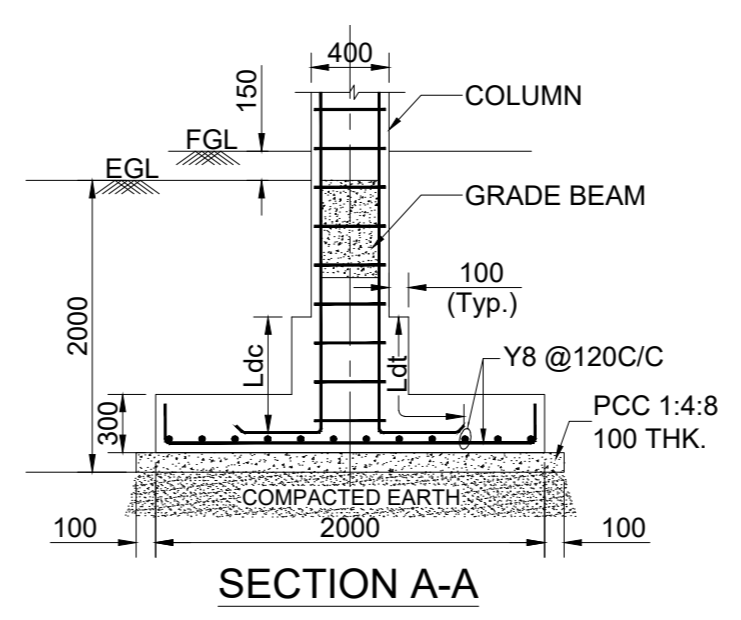
LAYOUT OF FOOTING AND COLUMN



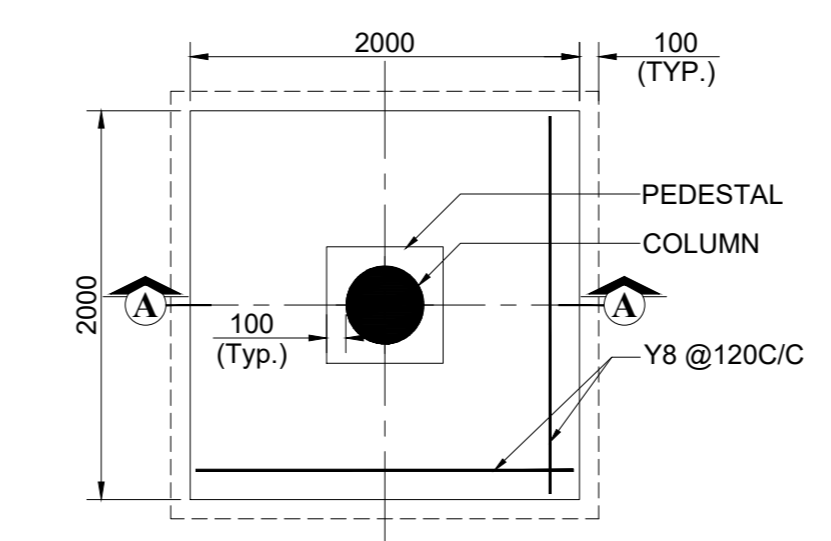
GRADE BEAM LAYOUT



TYP. DETAILS OF GRADE BEAM

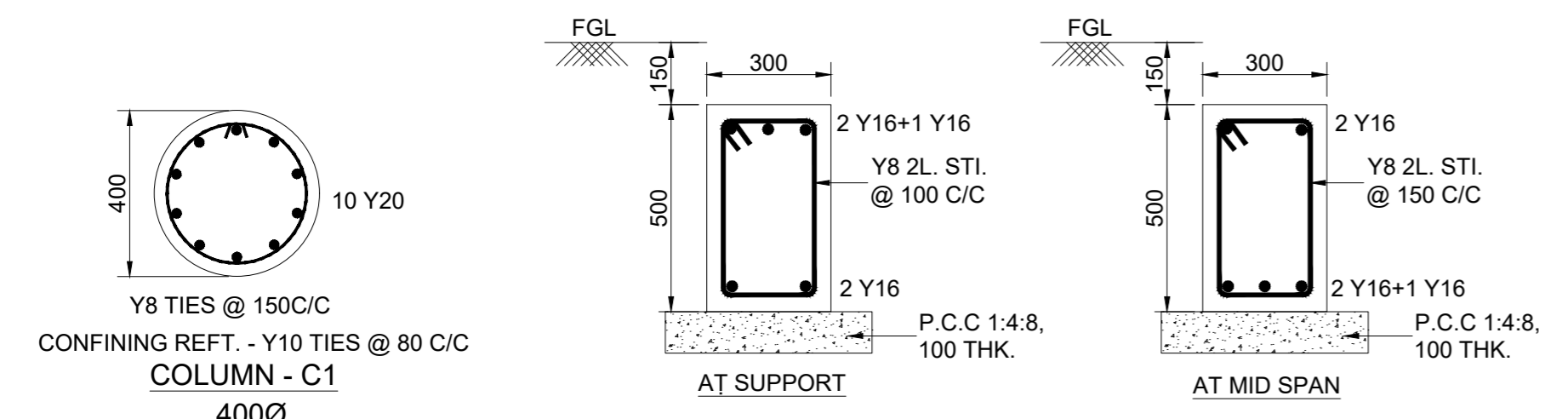


SECTION A-A



PLAN
TYP. DETAILS OF FOOTING

FOOTING PCC TO BE LAID ON STRATA WHERE SBC IS ASSUMED AS 50KN/ SQ.M. AT 2m DEPTH. AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION. ANY VARIATION IN SBC SHALL BE INTIMATED TO DESIGN OFFICE IMMEDIATELY.

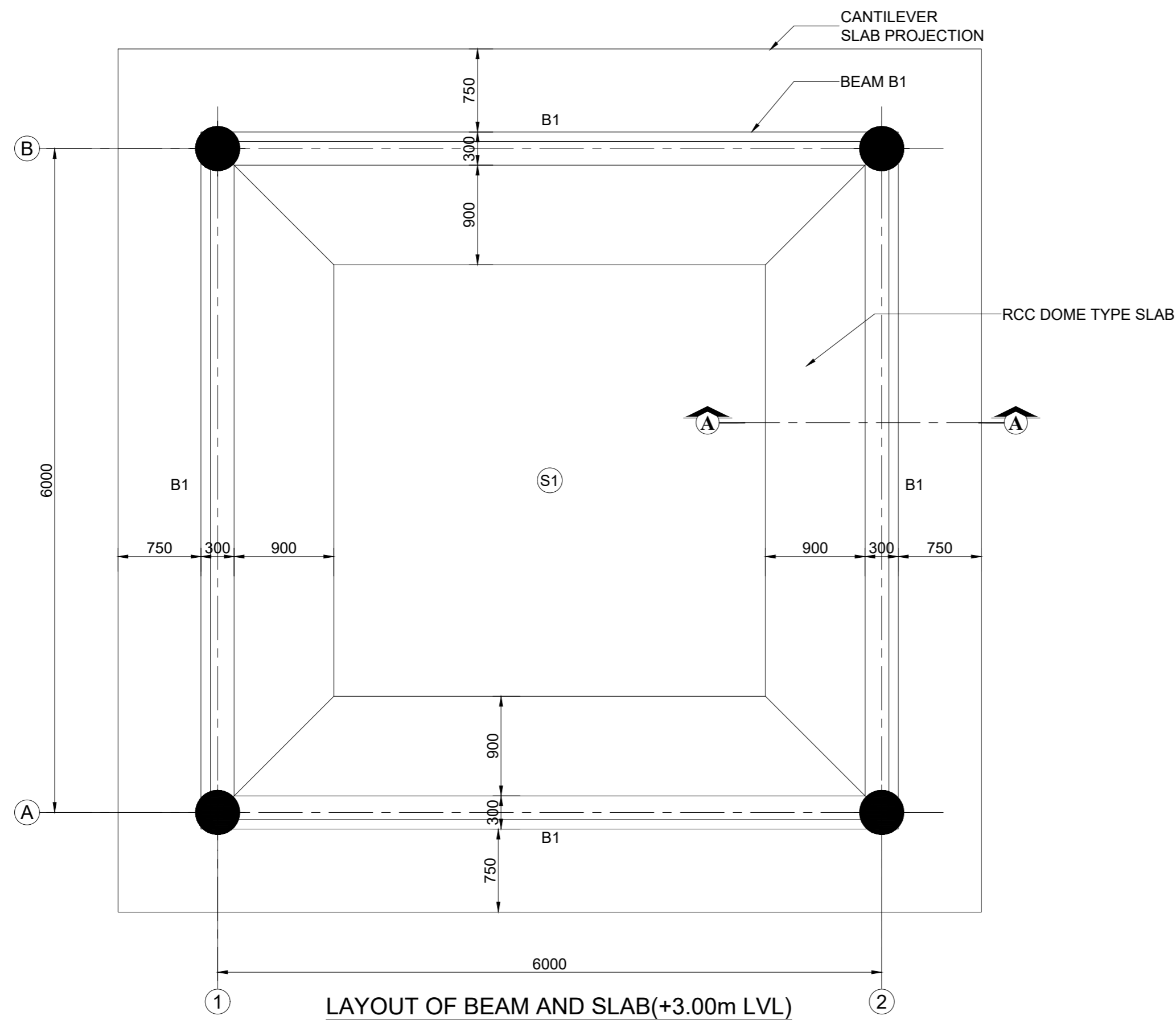


TYPICAL DETAILS OF GRADE BEAM GB1-300x500

- 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. 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 - 45mm, GRADE BEAM - 50mm.
 8. DEVELOPMENT LENGTH IN TENSION (Ld) = 46 x BAR DIA.
 9. DEVELOPMENT LENGTH IN COMPRESSION (Ldc) = 37x 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. FOR ARCHITECTURAL DETAIL REFER DP 1083 DRG CL 01 105_SHEET 1 OF 1.

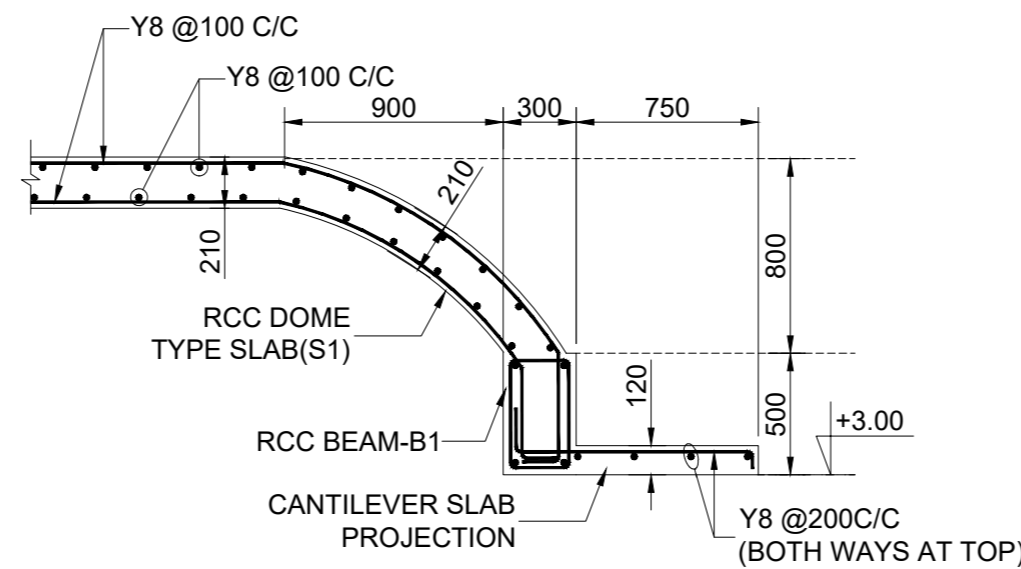
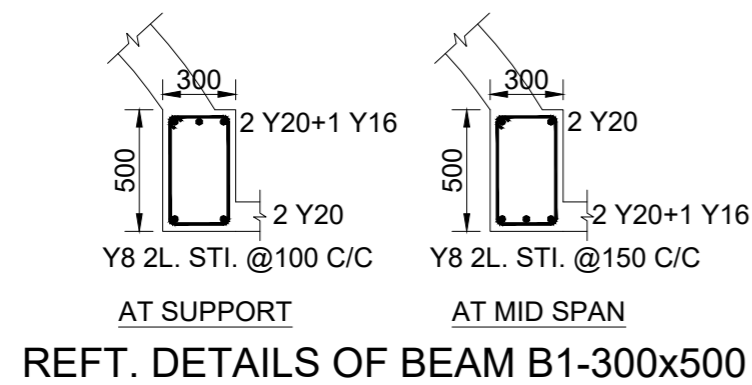
Rev.No.	PARTICULARS	INITIAL	DATE
REVISION			
 the consultants		KITCO Ltd. (Estd. in 1972 by IDBI & Govt. of Kerala) PUTHIYA ROAD - NH BYPASS, KOCHI - 28	
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA			
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN BIHAR UNDER JMVP-II			
TITLE: (WAITING AREA SHED) LAYOUT & REFT. DETAILS OF FOOTING,COLUMN& GRADE BEAM			
DRG NO: DP 1083 DRG CL 01 106	SHEET NO: 1 OF 1	REV.	SCALE: NTS A3
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George APPROVED: Lissy Innocent
ISSUED FOR: TENDER PURPOSE		UNIT: mm.	DATE: 09.11.2022
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			

192.168.1.6\Ongoing\DWGS\1083 IWA\CIVIL\WORKING\IWA TERMINAL\02_BHAR\From onish\01_106-107_STRUCT_TERMINAL BUILDING_MOD 1_UP_IWA.dwg _27.11.2023



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. 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. : BEAM - 45mm, SLAB - 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 SPLICES SHALL BE STAGGERED. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION
11. LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH.
12. FOR ARCHITECTURAL DETAIL REFER DP 1083 DRG CL 01 105_SHEET 1 OF 1.



SECTION A-A

SLAB SCHEDULE				
TYPE	THICK	SHORT SPAN	LONG SPAN	REMARKS
S1	210	Y8 @ 100 C/C	Y8 @ 100 C/C	TOP AND BOTTOM

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 BIHAR UNDER JMVP-II

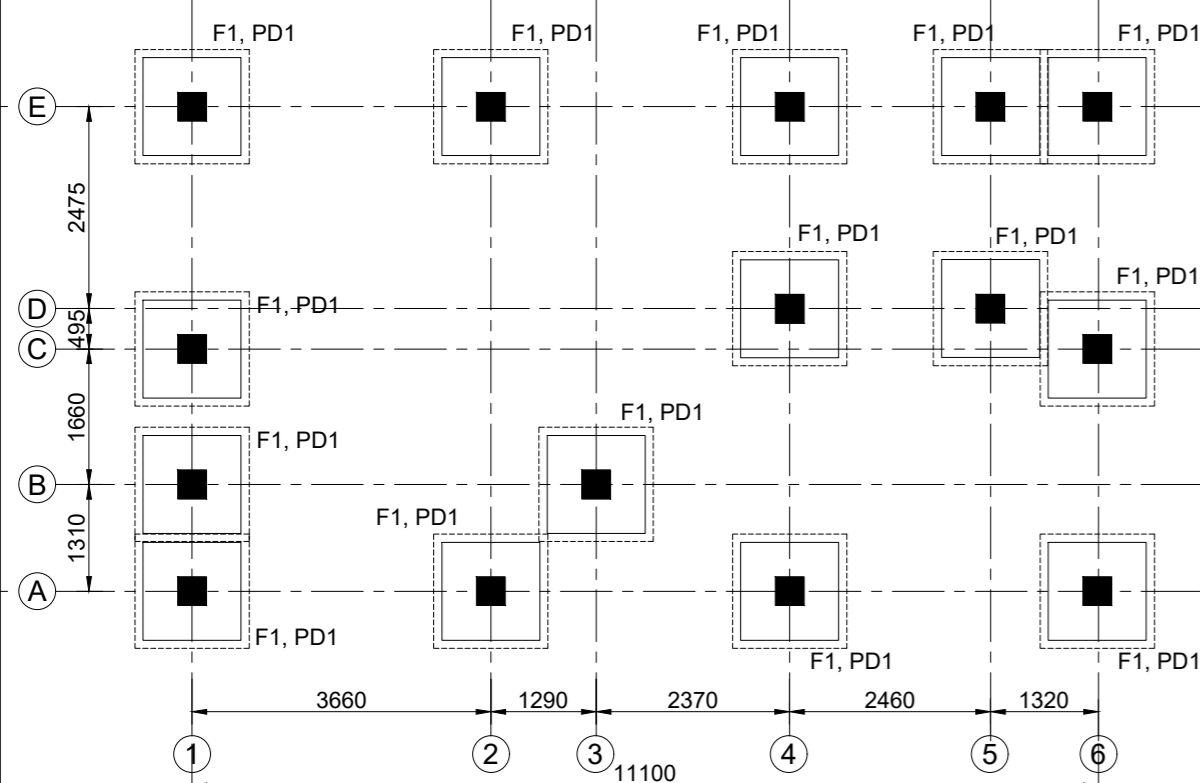
TITLE: (WAITING AREA SHED)
LAYOUT & REFT. DETAILS OF BEAM & SLAB AT +3.00m LVL.

DRG NO: DP 1083 DRG CL 01 107	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
----------------------------------	---------------------	------	---------------	----

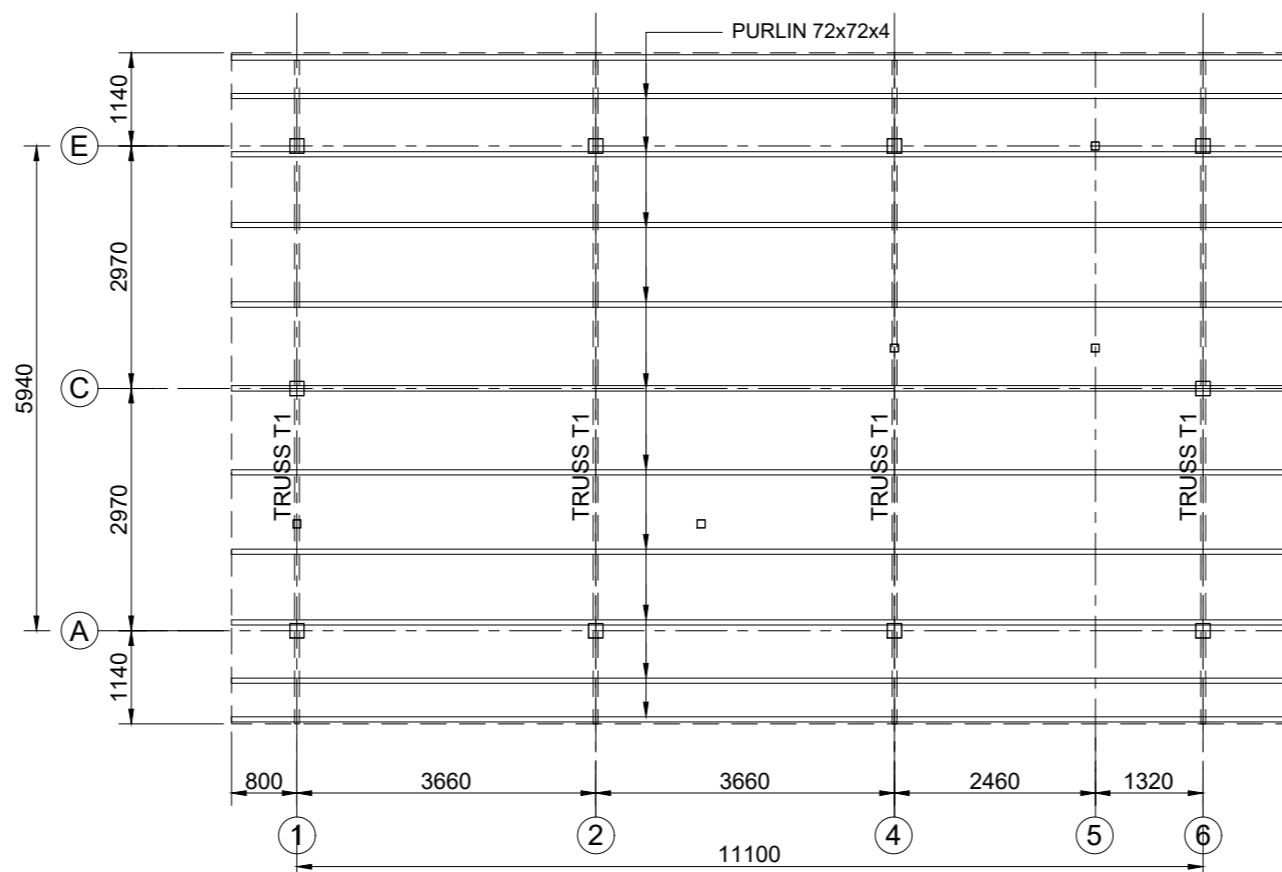
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George	APPROVED: Lissy Innocent
----------------------------	-----------------	---------------------------	---------------------------------	-----------------------------

ISSUED FOR: TENDER PURPOSE	UNIT: mm.	DATE: 09.11.2022
--------------------------------------	--------------	---------------------

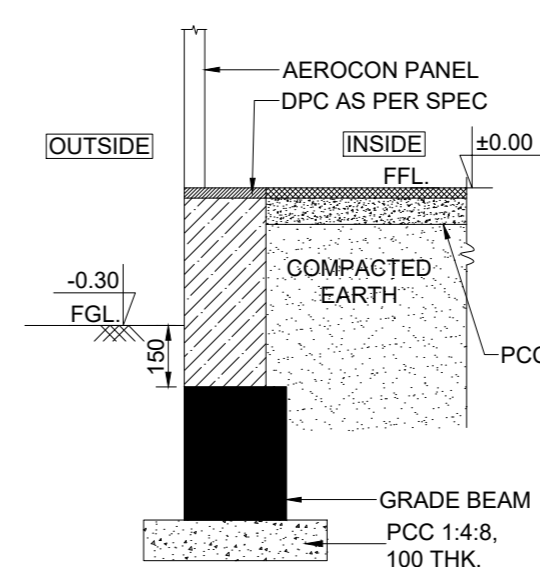
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand



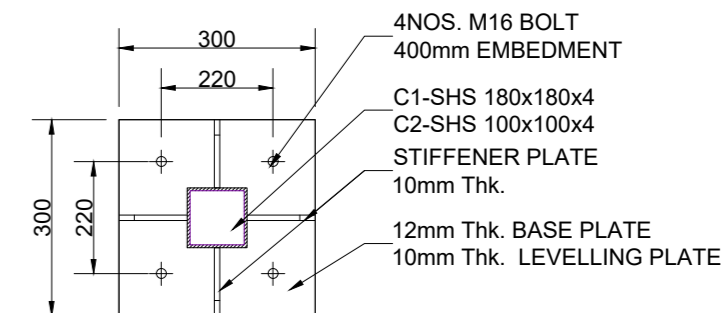
LAYOUT OF FOOTING AND COLUMN



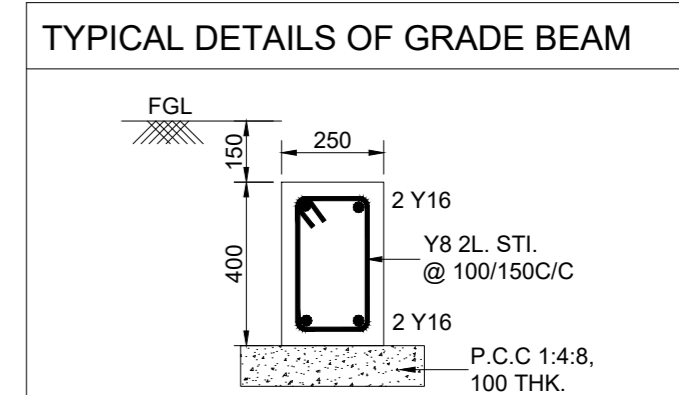
LAYOUT OF TRUSS



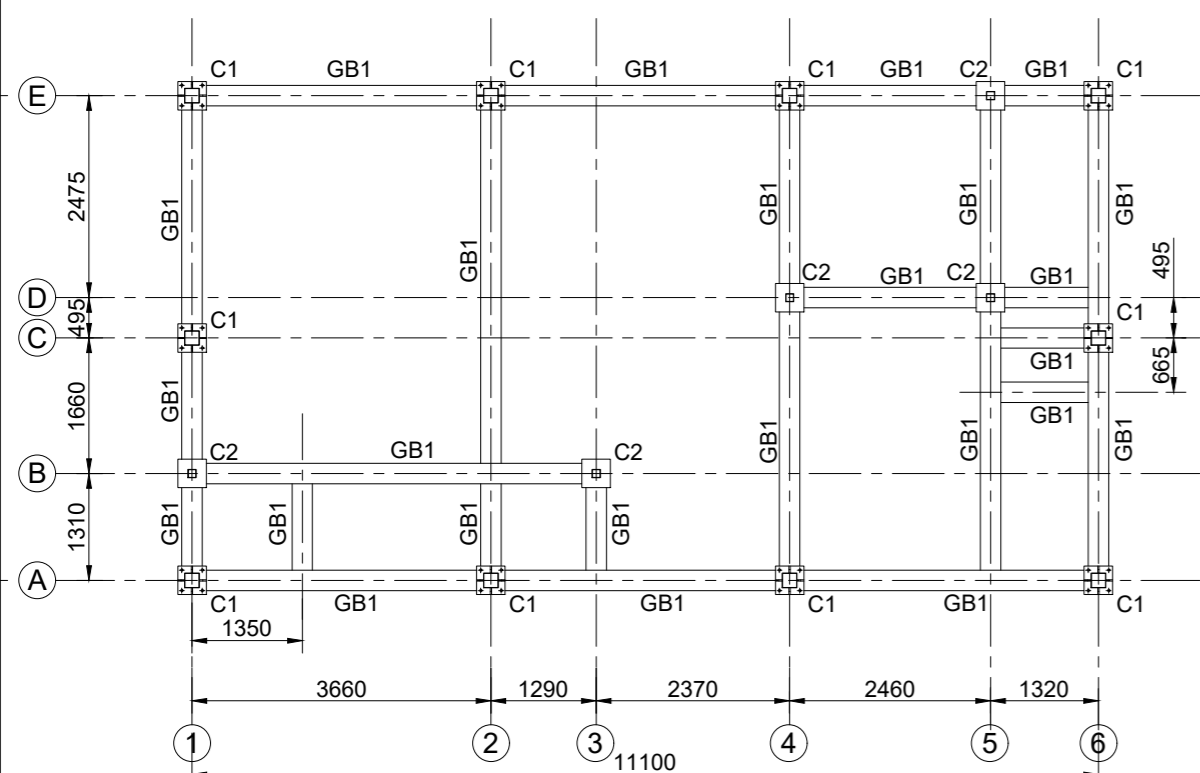
TYP. DETAILS OF GRADE BEAM FOR OUTER WALLS



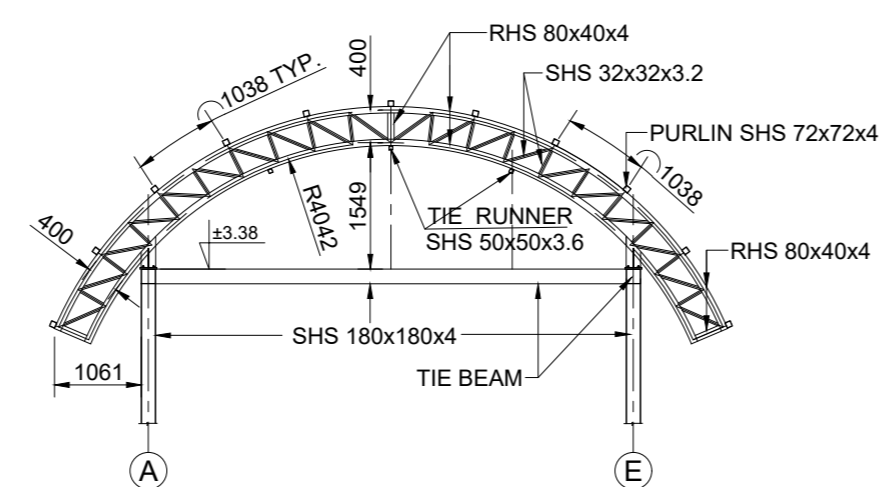
TYPICAL DETAILS OF BASE PLATE



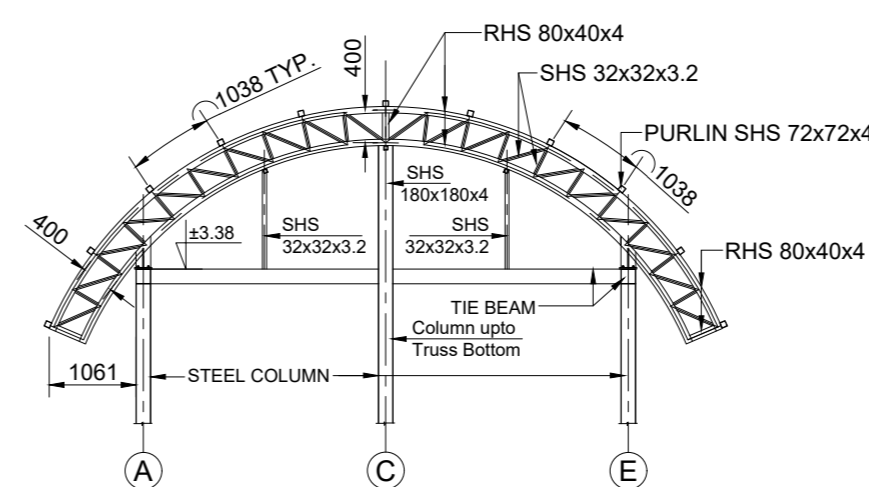
GRADE BEAM-GB1 (250x400)



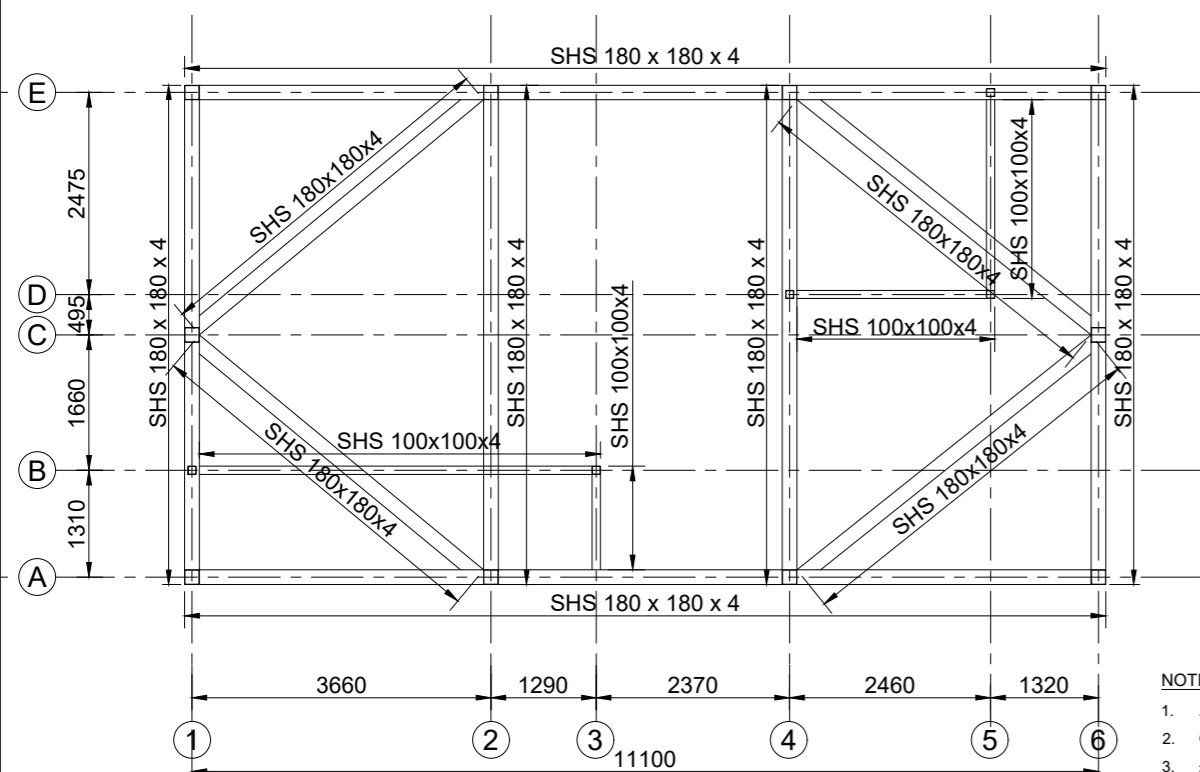
LAYOUT OF GRADE BEAM



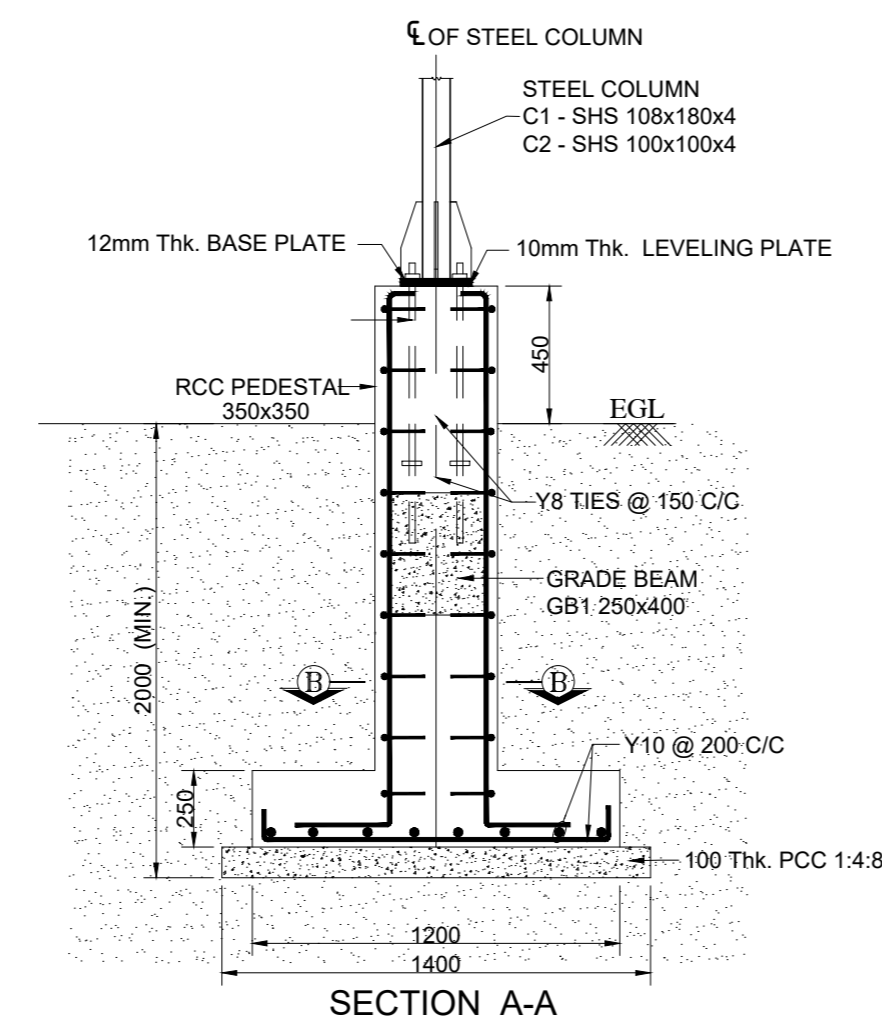
DETAILS OF TRUSS T1



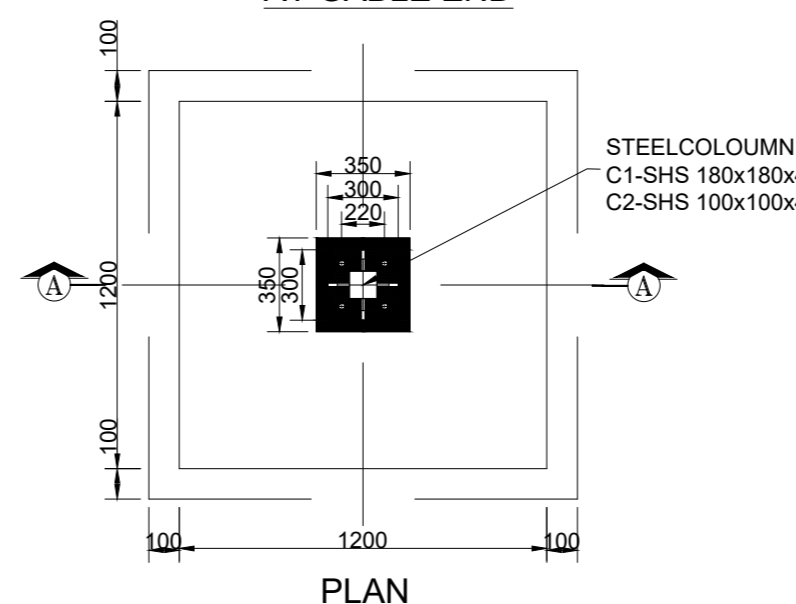
DETAILS OF TRUSS T1 AT GABLE END



LAYOUT OF TIE BEAM

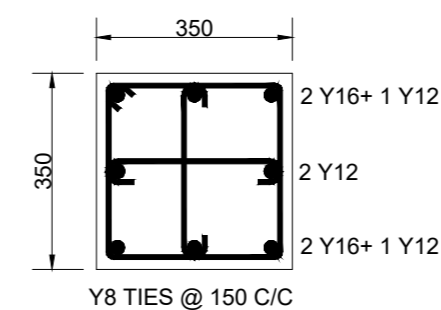


SECTION A-A



PLAN COLUMN FOOTING - F1 1200X1200

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



SECTION B-B TYPICAL REFT. DETAILS OF PEDESTAL PD1 (350 X 350)

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
- ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED
- ±0.00 Lvl. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL.
- CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS-456-2000, MIX M30.
- BEND,HOOK,LAP LENGTH ETC., SHOULD BE TAKEN AS PER IS-456-2000.
- REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE Fe. 500.D
- CLEAR COVER TO OUTER REFT. : FOOTING - 50mm, COLUMN - 40mm,
- DEVELOPMENT LENGTH IN TENSION (Ld) = 46 x BAR DIA.
- MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA OF BAR.
- LAP SPLICES SHALL BE STAGGERED. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION
- LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING REFER DP 1083 DRG CL 01 101_SHEET 1 OF 2

GENERAL GUIDANCE FOR FABRICATION & ERECTION

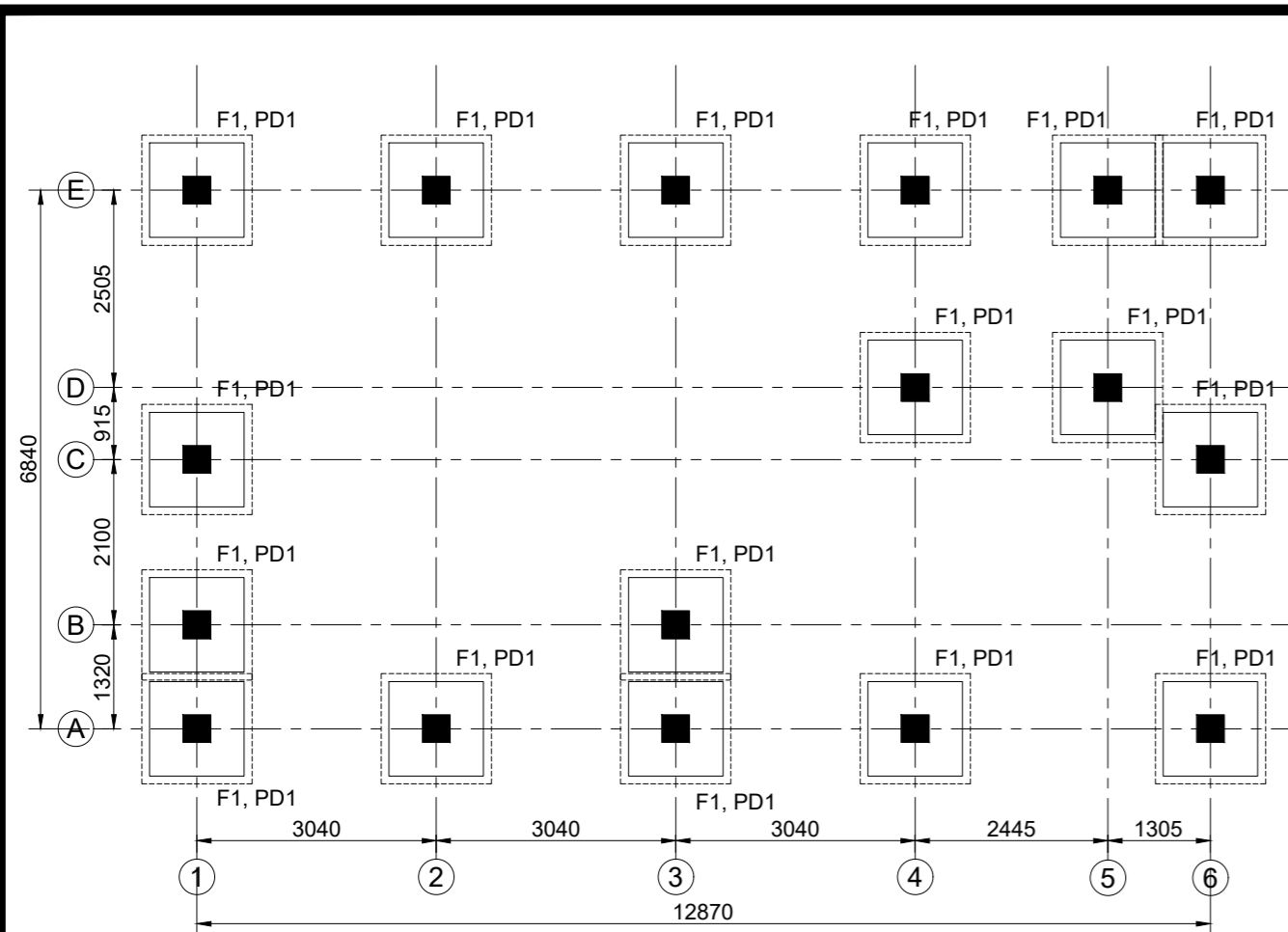
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
- DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING AND FOLLOW ONLY WRITTEN DIMENSIONS.
- STRUCTURAL MEMBERS CONFIRMS TO GRADE Fy 310 FOR HOLLOW SECTIONS AND Fy250 FOR OTHERS .
- WELDING SHALL BE DONE AS PER IS:816-1969, IS 9595-1996
- ALL WELDS ARE CONTINUOUS FILLET WELD
- MINIMUM SIZE OF FILLET WELD SHALL BE EQUAL TO THE LOWEST THICKNESS OF THE CONNECTED MEMBER.
- THE WELDING TO BE DONE ONLY BY A SKILLED PERSON HAVING RESPECTIVE TRADE CERTIFICATE.
- ALL GUSSET PLATES ARE 8mm THICK UNLESS SPECIFIED OTHERWISE.
- STRUCTURAL MEMBERS MUST BE CLEANED OF SLAG AND OTHER DEPOSITS,RUST ETC. USING WIRE BRUSH BEFORE FABRICATION.
- ALL STEEL MEMBERS ARE TO BE PAINTED WITH ANTI CORRODSIVE PAINTING SYSTEM AS PER SPECIFICATION.
- FABRICATOR SHALL TAKE ACCURATE MEASUREMENTS AT THE SITE AND PREPARE SHDP DRAWINGS BEFORE FABRICATION.
- ANY MODIFICATION REQUIRED AS PER SITE CONDITION SHALL BE COMMUNICATED TO KITCO DESIGN OFFICE AND GET THE PRIOR APPROVAL FOR EXECUTION.
- 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).
- ANY DISCREPANCY FOUND IN DRAWING WHILE FABRICATING SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS IMMEDIATELY.
- 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.
- A FULL SCALE LAYOUT SHALL BE LAID OUT ON THE GROUND BEFORE ACTUAL CUTTING OF THE GUSSET PLATES AND MEMBERS.
- 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.
- ANY DISPLACEMENT CAUSED DURING THE ERECTION SHOULD BE RECTIFIED BEFORE THE LIFTING EQUIPMENT IS RELEASED.



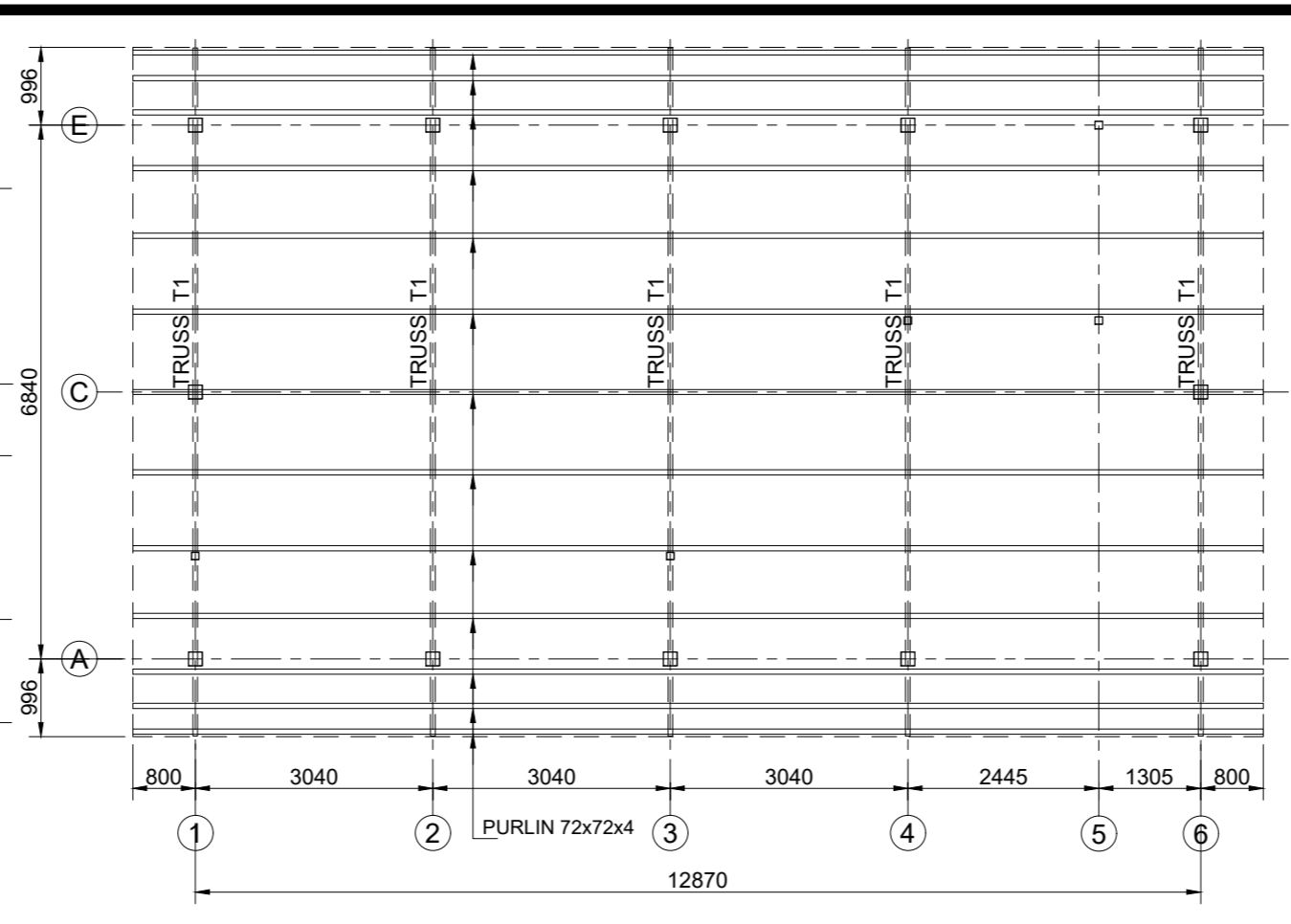
KITCO Ltd.

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

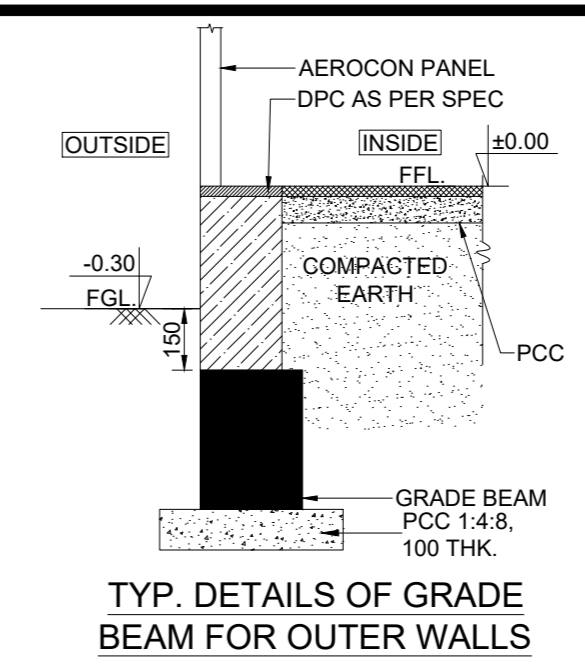
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA				
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN BIHAR UNDER JMVP-II				
TITLE: -:TERMINAL BUILDING MODULE 1:- LAYOUT AND DETAILS OF OFFICE AND TICKET COUNTER				
DRG NO: DP 1083 DRG CL 02 101	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George	APPROVED: Lissy innocent
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 25.01.23
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				



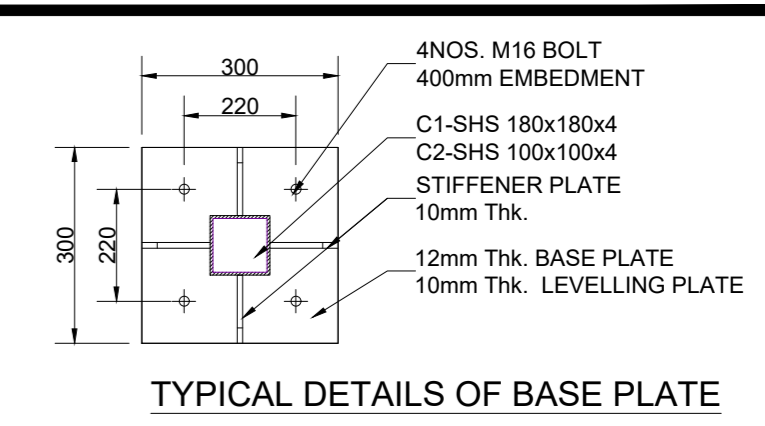
LAYOUT OF FOOTING AND COLUMN



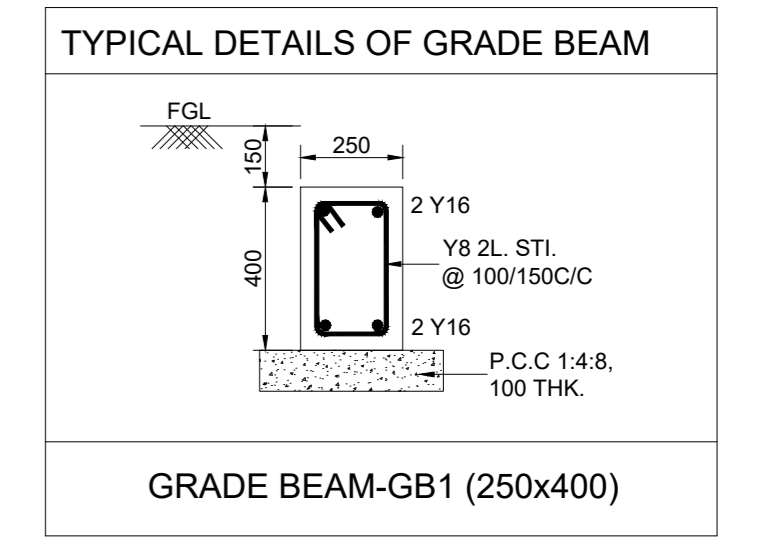
LAYOUT OF TRUSS



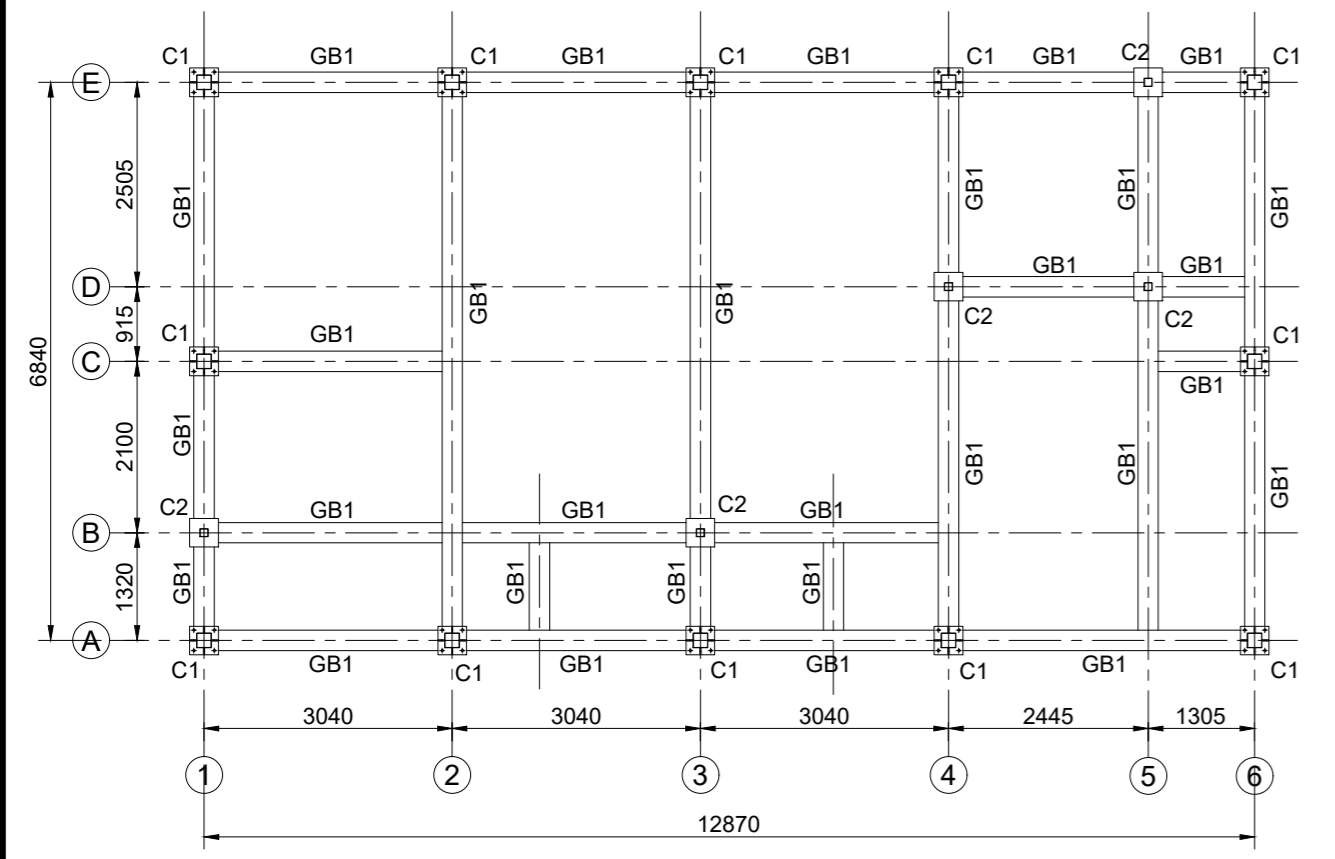
TYP. DETAILS OF GRADE BEAM BEAM FOR OUTER WALLS



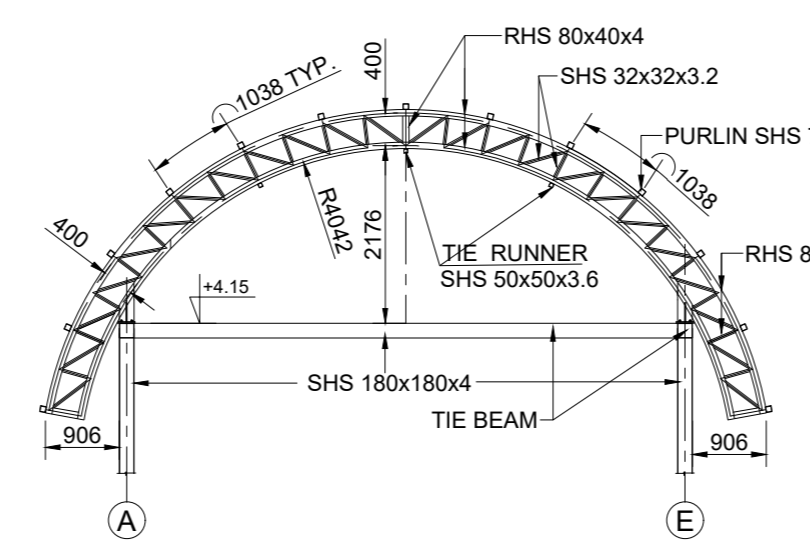
TYPICAL DETAILS OF BASE PLATE



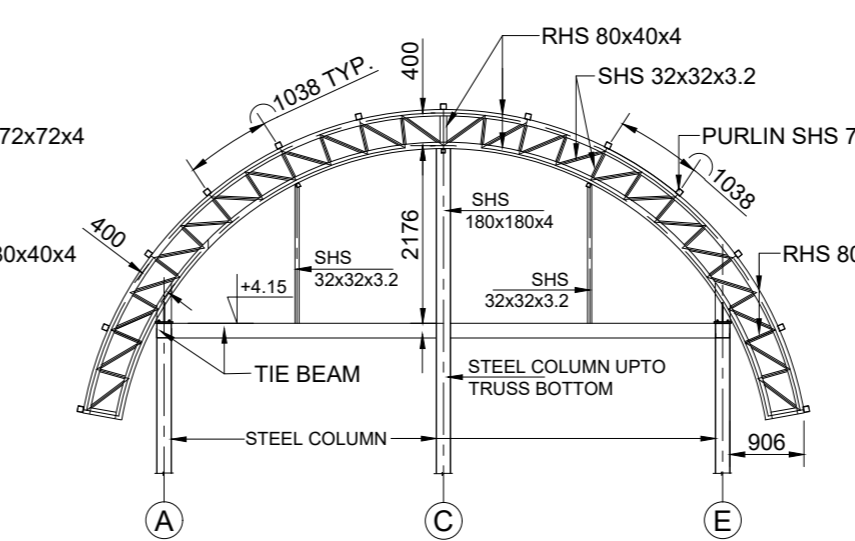
GRADE BEAM-GB1 (250x400)



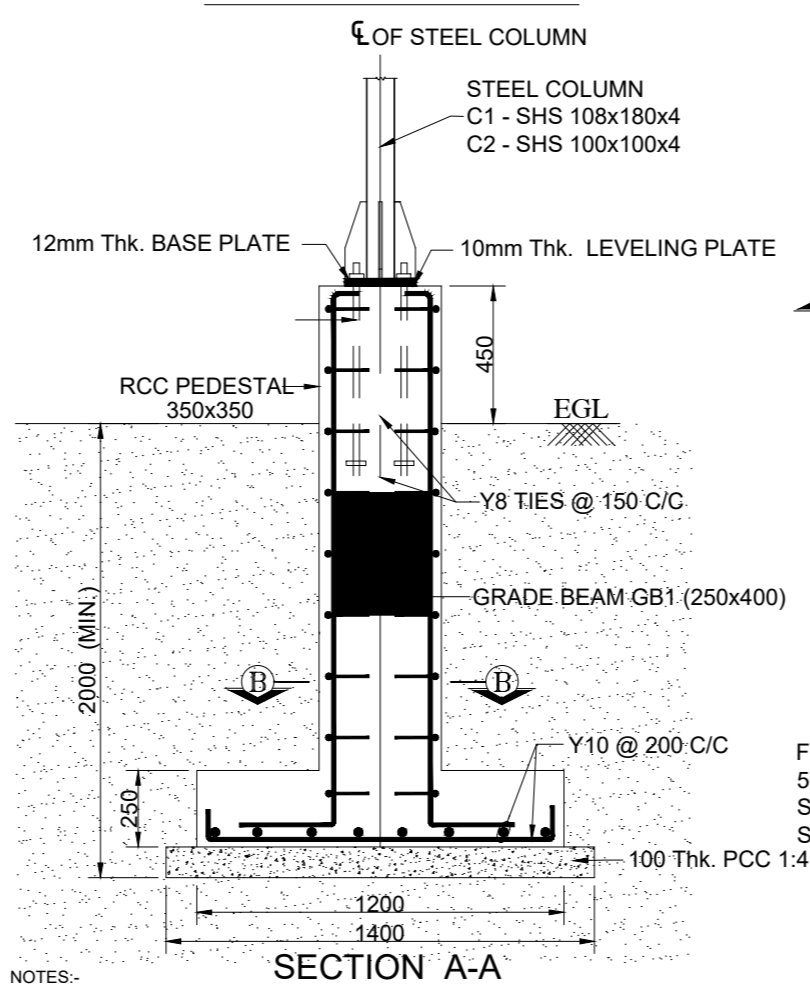
LAYOUT OF GRADE BEAM



DETAILS OF TRUSS T1

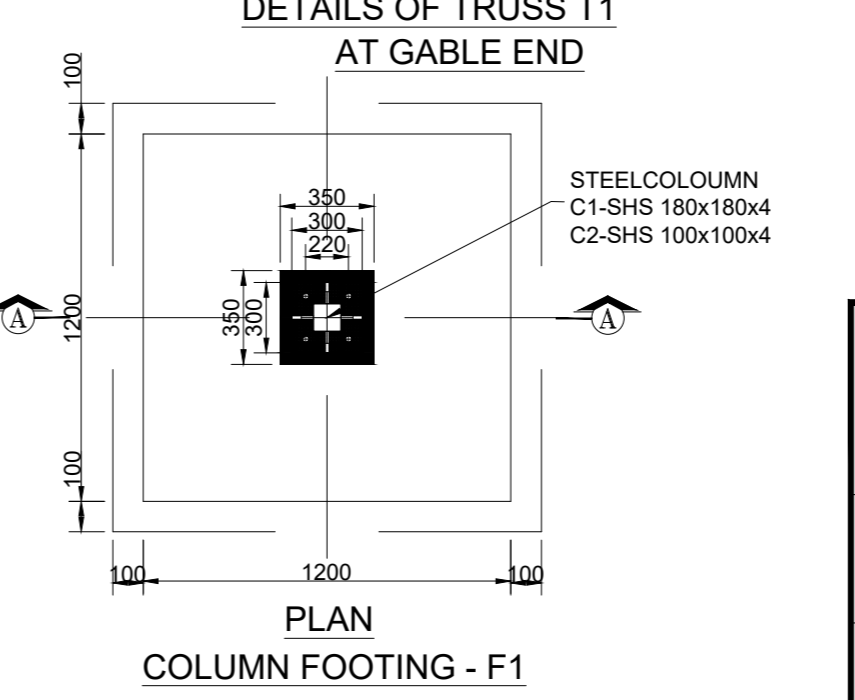


DETAILS OF TRUSS T1 AT GABLE END

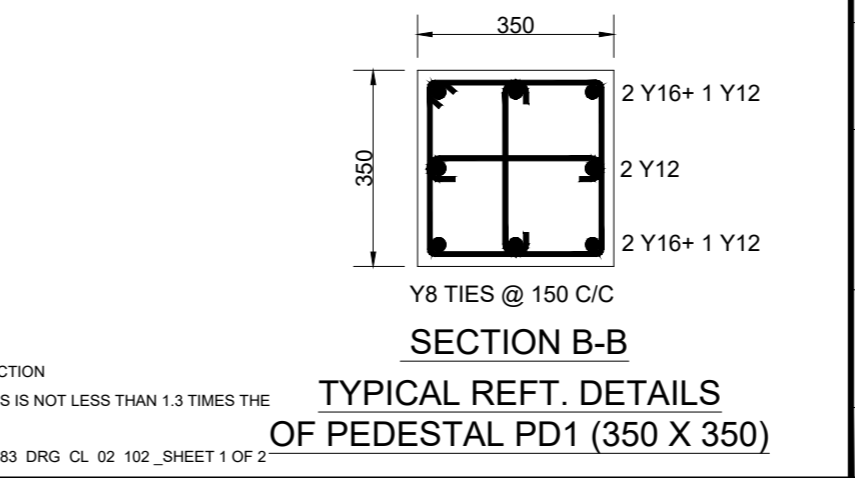


NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
- ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED
- ±0.00 Lvl. CORRESPONDS TO FINISHED GROUND FLOOR LEVEL
- CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX. M30.
- BEND, HOOK, LAP LENGTH ETC., SHOULD BE TAKEN AS PER IS:456-2000.
- REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE Fe. 500.D
- CLEAR COVER TO OUTER REFT. : FOOTING - 50mm, COLUMN - 40mm,
- DEVELOPMENT LENGTH IN TENSION (Ld) = 46 x BAR DIA.
- MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA OF BAR.
- LAP SPLICES SHALL BE STAGGERED, NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION
- LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING REFER DP_ 1083 DRG CL 02 102_SHEET 1 OF 2




FOOTING PCC TO BE LAID ON HARD STRATA WHERE SBC IS ASSUMED AS 50kN/ SQ.M. AT 2.0m DEPTH. AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION. ANY VARIATION IN SBC SHALL BE INTIMATED TO DESIGN OFFICE IMMEDIATELY.



TYPICAL REFT. DETAILS OF PEDESTAL PD1 (350 X 350)

- GENERAL GUIDANCE FOR FABRICATION & ERECTION**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
 - DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING AND FOLLOW ONLY WRITTEN DIMENSIONS.
 - STRUCTURAL MEMBERS CONFIRMS TO GRADE Fy 310 FOR HOLLOW SECTIONS AND Fy250 FOR OTHERS .
 - WELDING SHALL BE DONE AS PER IS:816-1969, IS 9595-1996
 - ALL WELDS ARE CONTINUOUS FILLET WELD
 - MINIMUM SIZE OF FILLET SHALL BE EQUAL TO THE LOWEST THICKNESS OF THE CONNECTED MEMBER.
 - THE WELDING TO BE DONE ONLY BY A SKILLED PERSON HAVING RESPECTIVE TRADE CERTIFICATE.
 - ALL GUSSET PLATES ARE 8mm THICK UNLESS SPECIFIED OTHERWISE.
 - STRUCTURAL MEMBERS MUST BE CLEANED OF SLAG AND OTHER DEPOSITS, RUST ETC. USING WIRE BRUSH BEFORE FABRICATION.
 - ALL STEEL MEMBERS ARE TO BE PAINTED WITH ANTI CORROSIIVE PAINTING SYSTEM AS PER SPECIFICATION.
 - FABRICATOR SHALL TAKE ACCURATE MEASUREMENTS AT THE SITE AND PREPARE SHOP DRAWINGS BEFORE FABRICATION.
 - ANY MODIFICATION REQUIRED AS PER SITE CONDITION SHALL BE COMMUNICATED TO KITCO DESIGN OFFICE AND GET THE PRIOR APPROVAL FOR EXECUTION.
 - 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 :100 SCALE AND JOINT DETAILING IN 1:50 & 1:10 SCALE).
 - ANY DISCREPANCY FOUND IN DRAWING WHILE FABRICATING SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS IMMEDIATELY.
 - 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.
 - A FULL SCALE LAYOUT SHALL BE LAID OUT ON THE GROUND BEFORE ACTUAL CUTTING OF THE GUSSET PLATES AND MEMBERS.
 - 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.
 - ANY DISPLACEMENT CAUSED DURING THE ERECTION SHOULD BE RECTIFIED BEFORE THE LIFTING EQUIPMENT IS RELEASED.



KITCO Ltd.

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

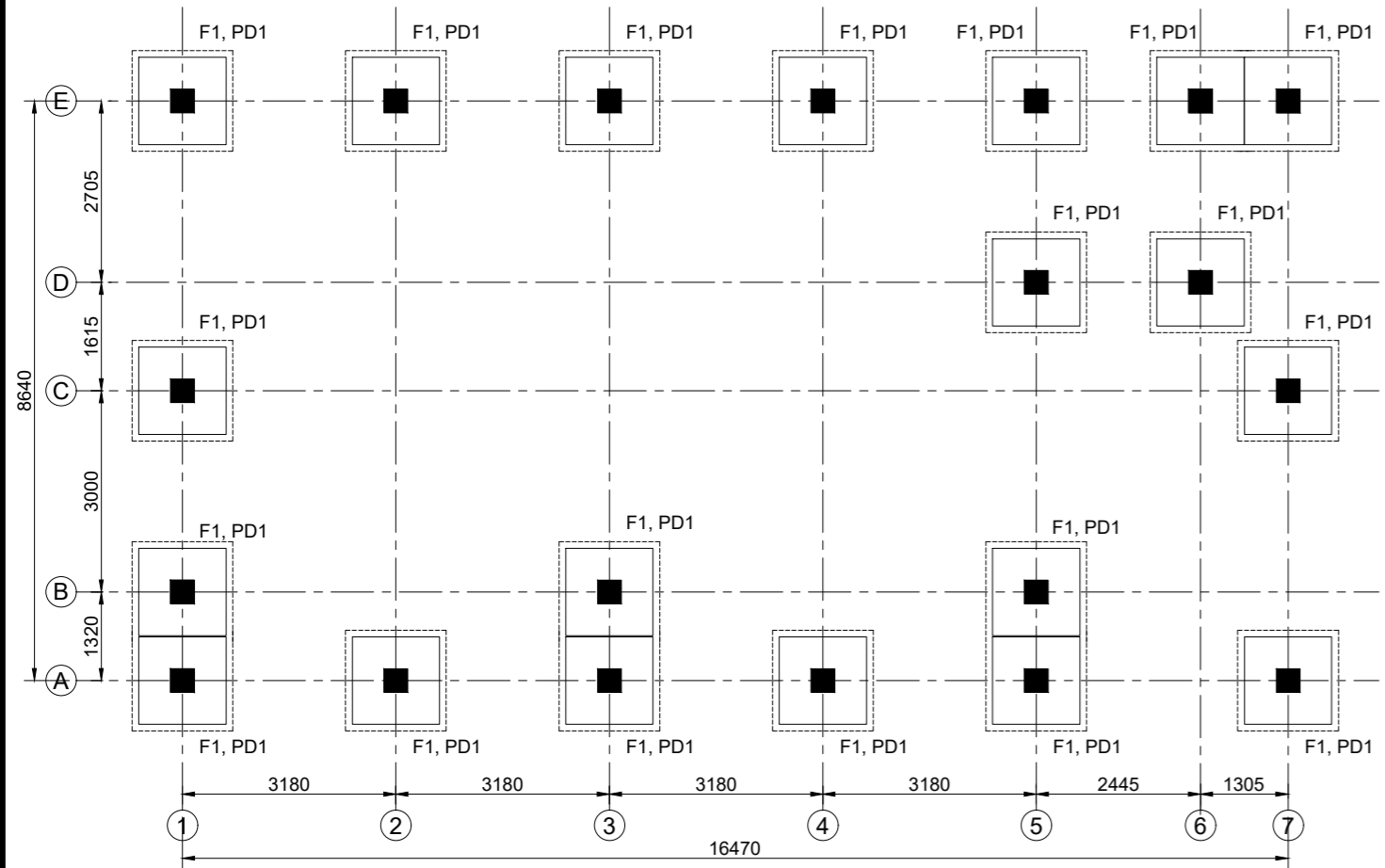
CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

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

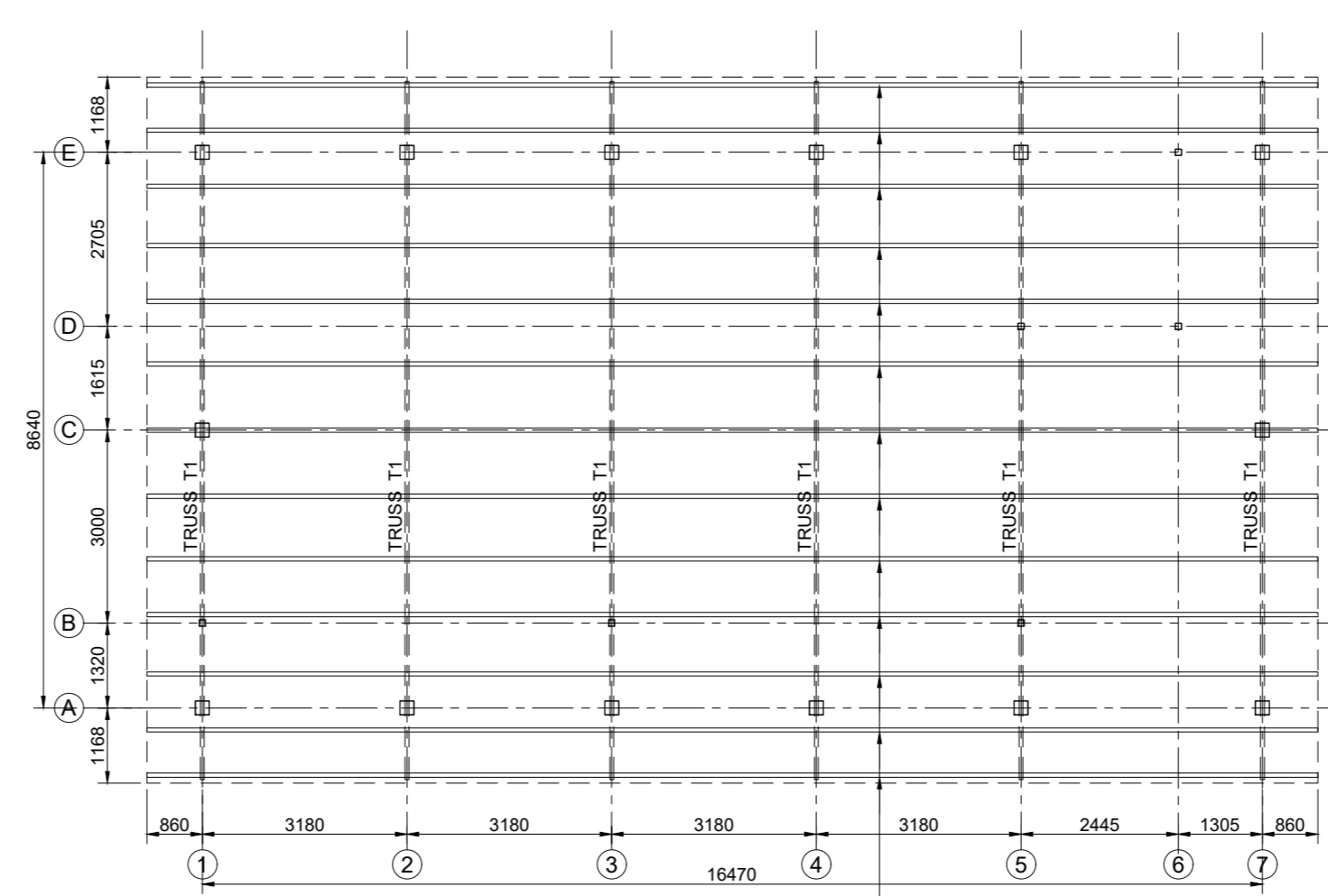
TITLE: -: TERMINAL BUILDING MODULE 2:- LAYOUT AND DETAILS OF WAITING AREA, OFFICE AND TICKET COUNTER

DRG NO: DP 1083 DRG CL 02 102	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George	APPROVED: Lissy innocent
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 25.01.23

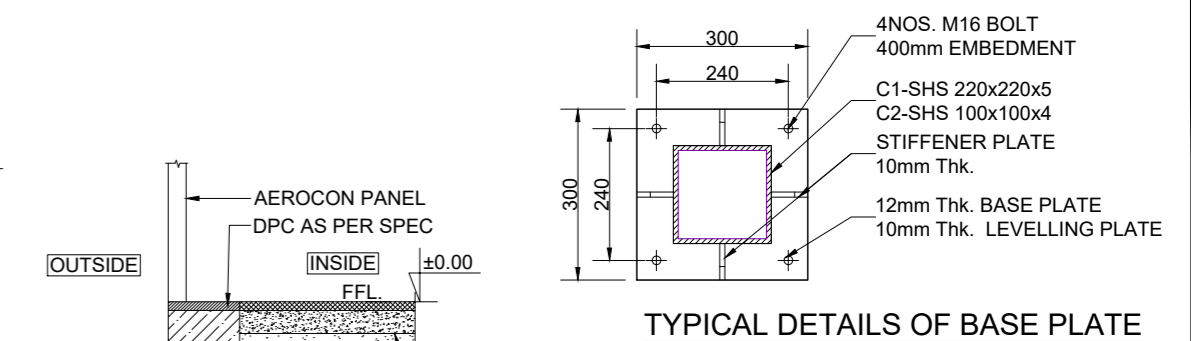
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand



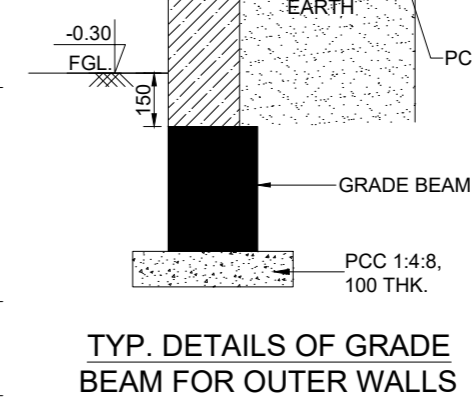
LAYOUT OF FOOTING AND COLUMN



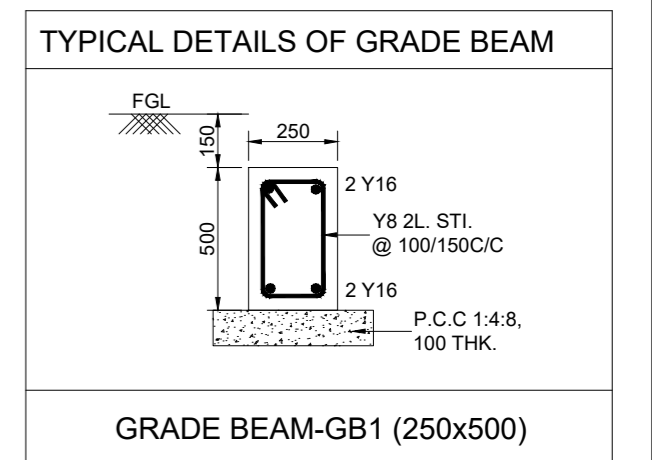
LAYOUT OF TRUSS



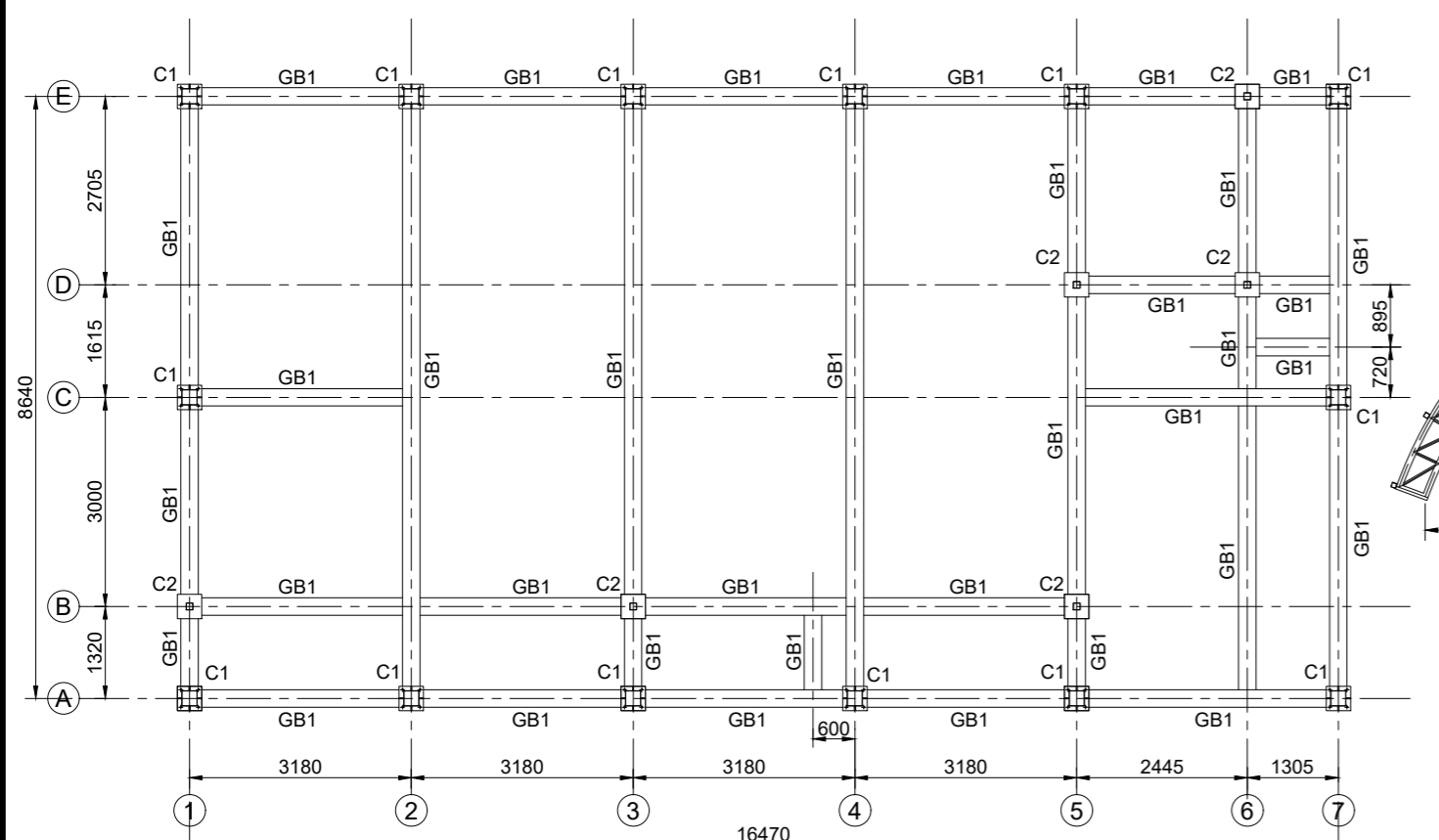
TYPICAL DETAILS OF BASE PLATE



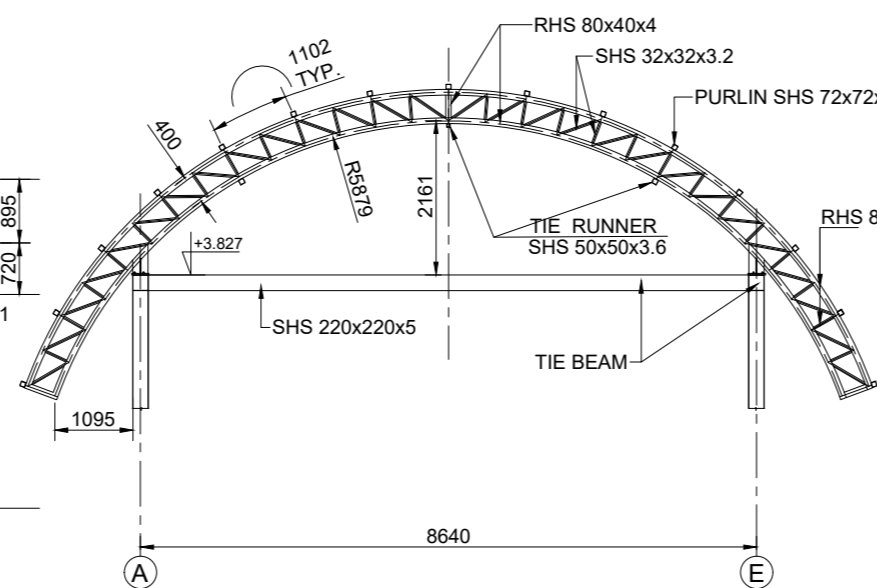
TYP. DETAILS OF GRADE BEAM FOR OUTER WALLS



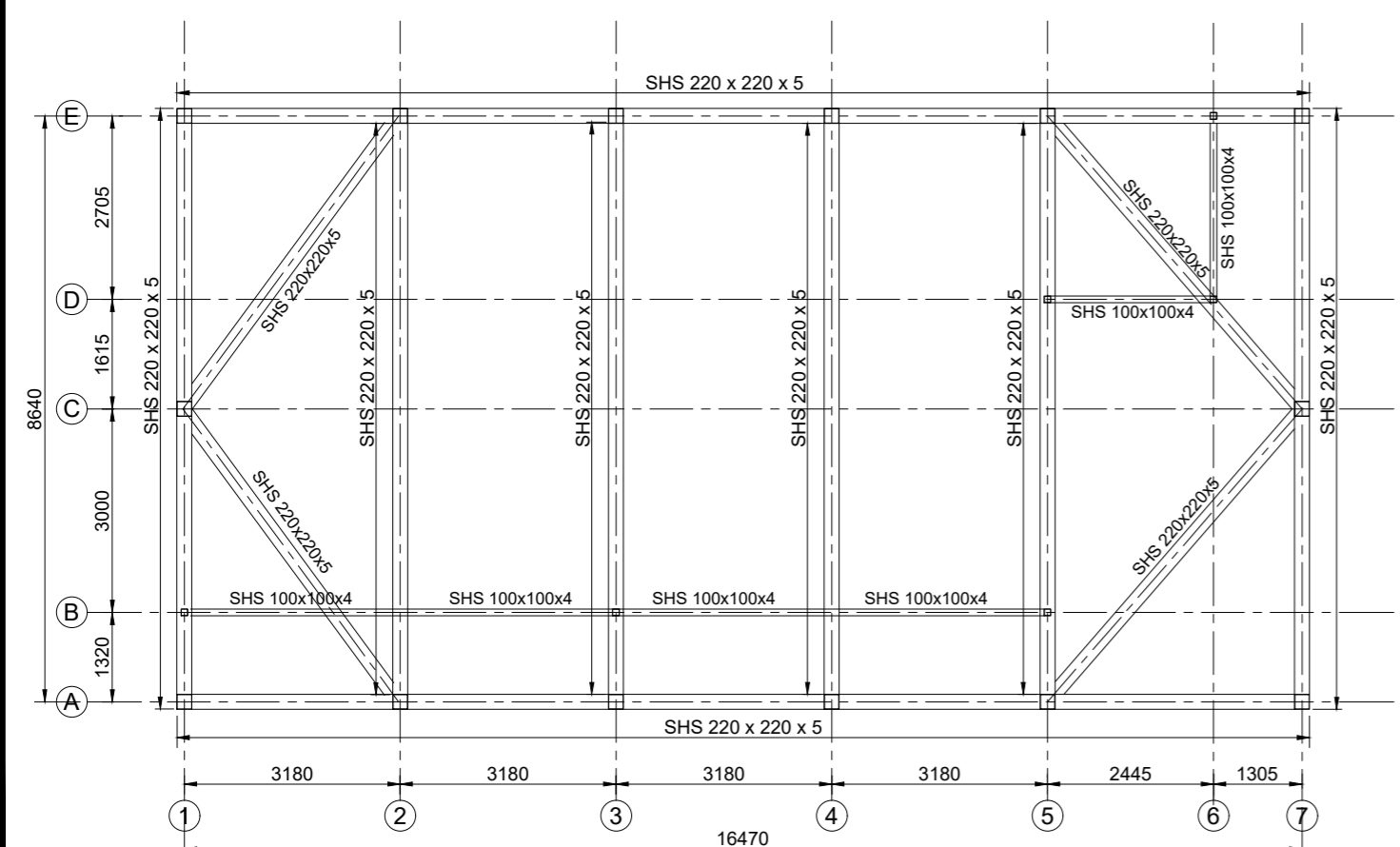
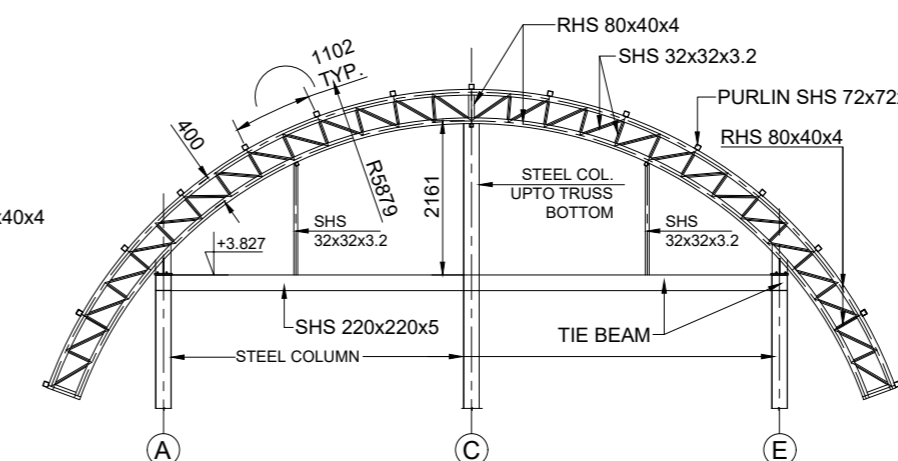
GRADE BEAM-GB1 (250x500)



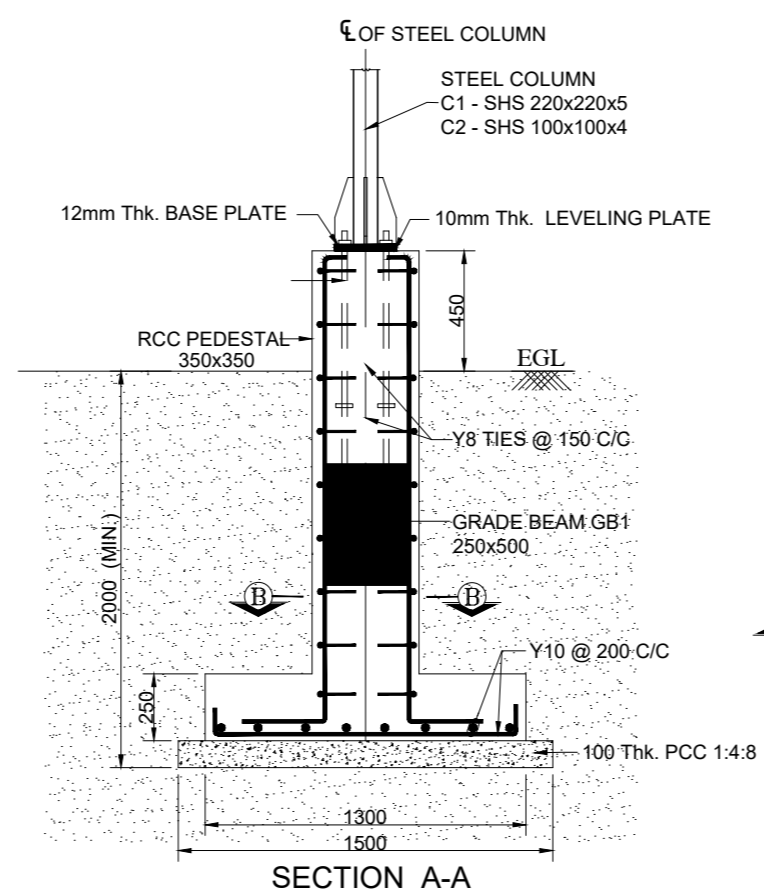
LAYOUT OF GRADE BEAM



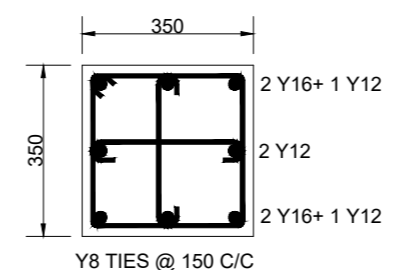
DETAILS OF TRUSS T1 AT GABLE END



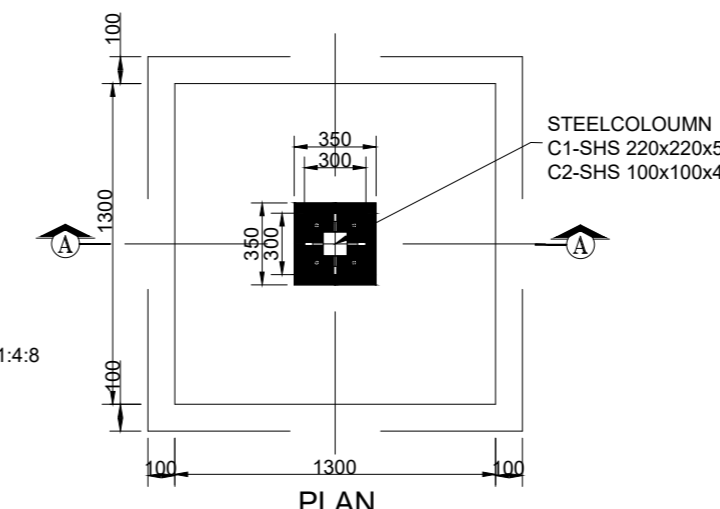
LAYOUT OF TIE BEAM



SECTION A-A



SECTION B-B TYPICAL REFT. DETAILS OF PEDESTAL PD1 (350 X 350)



COLUMN FOOTING F1 - 1300X1300

FOOTING PCC TO BE LAID ON HARD STRATA WHERE SBC IS ASSUMED AS 54kN/SQ.M. AT 2.0m DEPTH. AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION. ANY VARIATION IN SBC SHALL BE INTIMATED TO DESIGN OFFICE IMMEDIATELY.

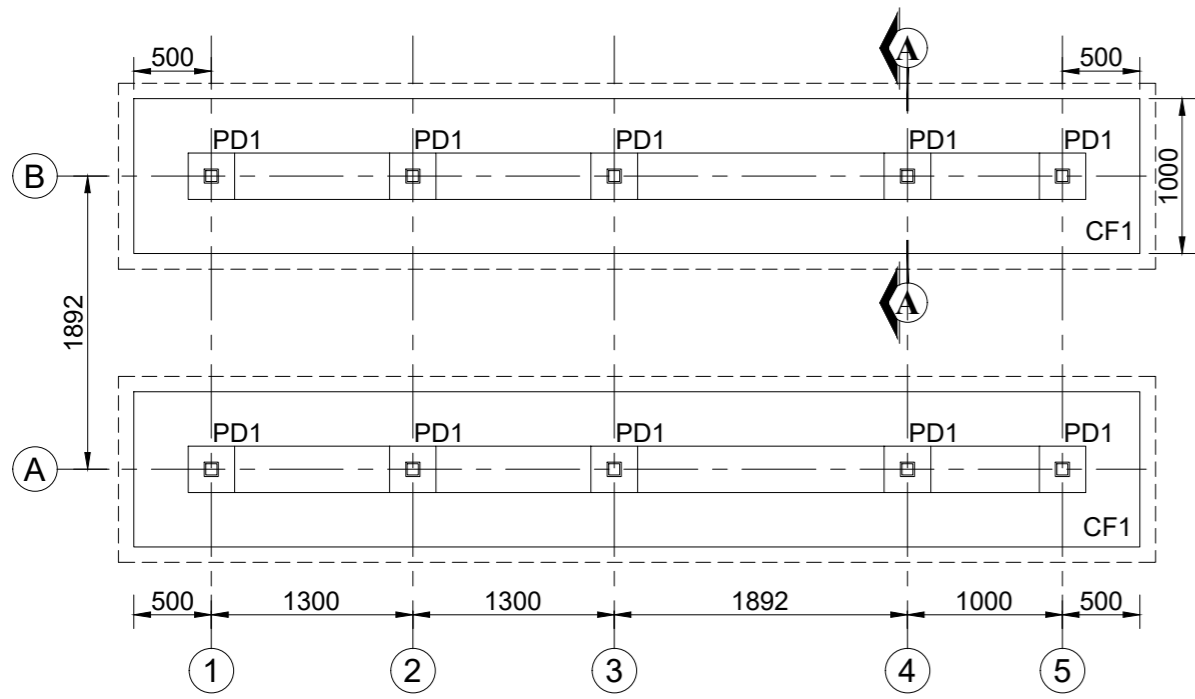
- GENERAL GUIDANCE FOR FABRICATION & ERECTION**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS.
 2. DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING AND FOLLOW ONLY WRITTEN DIMENSIONS.
 3. STRUCTURAL MEMBERS CONFIRMS TO GRADE Fy 310 FOR HOLLOW SECTIONS AND Fy250 FOR OTHERS.
 4. WELDING SHALL BE DONE AS PER IS816-1969, 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 CORROSSIVE 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 SCALES).
 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.
- 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 SPLICES SHALL BE STAGGERED, NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION.
 11. LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES 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 02 103 SHEET 1 OF 1



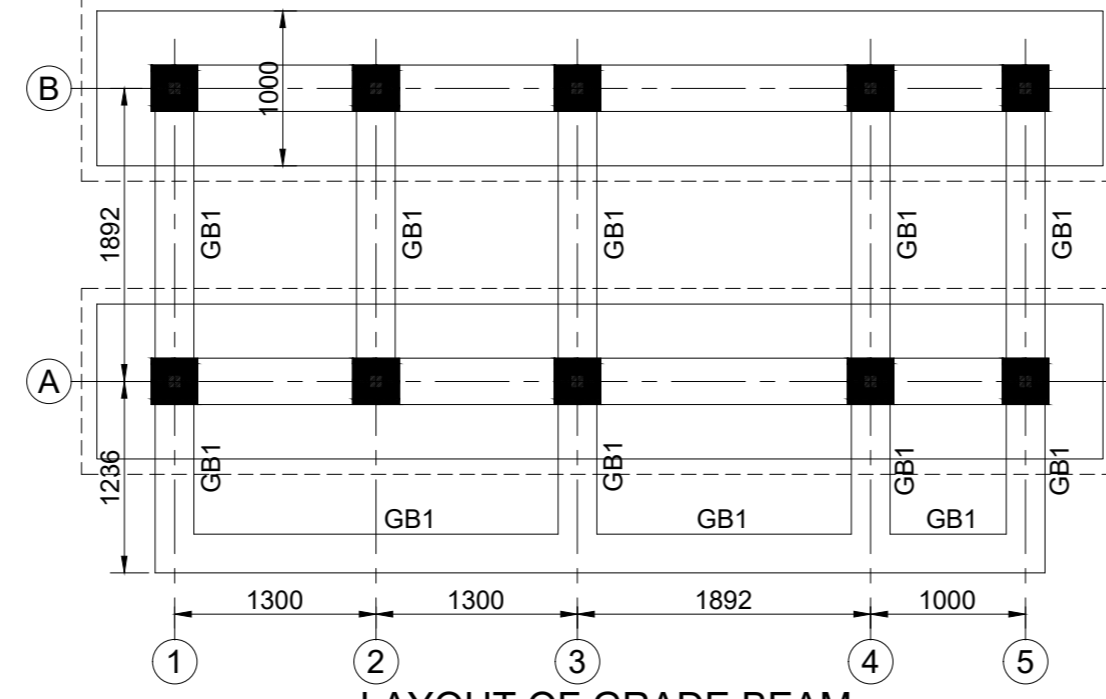
KITCO Ltd.
(Estd. in 1972 by IDBI & Govt. of Kerala)
PUTHIYA ROAD - NH BYPASS, KOCHI - 28

CLIENT:				
INLAND WATERWAYS AUTHORITY OF INDIA				
PROJECT:				
DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN BIHAR UNDER JMVP-II				
TITLE:				
-: TERMINAL BUILDING MODULE 3:- LAYOUT AND DETAILS OF WAITING AREA, OFFICE AND TICKET COUNTER				
DRG NO:	SHEET NO:	REV.	SCALE:	
DP 1083 DRG CL 02 103	1 OF 1		NTS	A3
DESIGNED:	DRAWN:	CHECKED:	VERIFIED:	APPROVED:
Anish Prakash	Jithu	Anish Prakash	Sindhu Anna George	Lissy innocent
ISSUED FOR:			UNIT:	DATE:
TENDER PURPOSE			mm.	25.01.23
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				

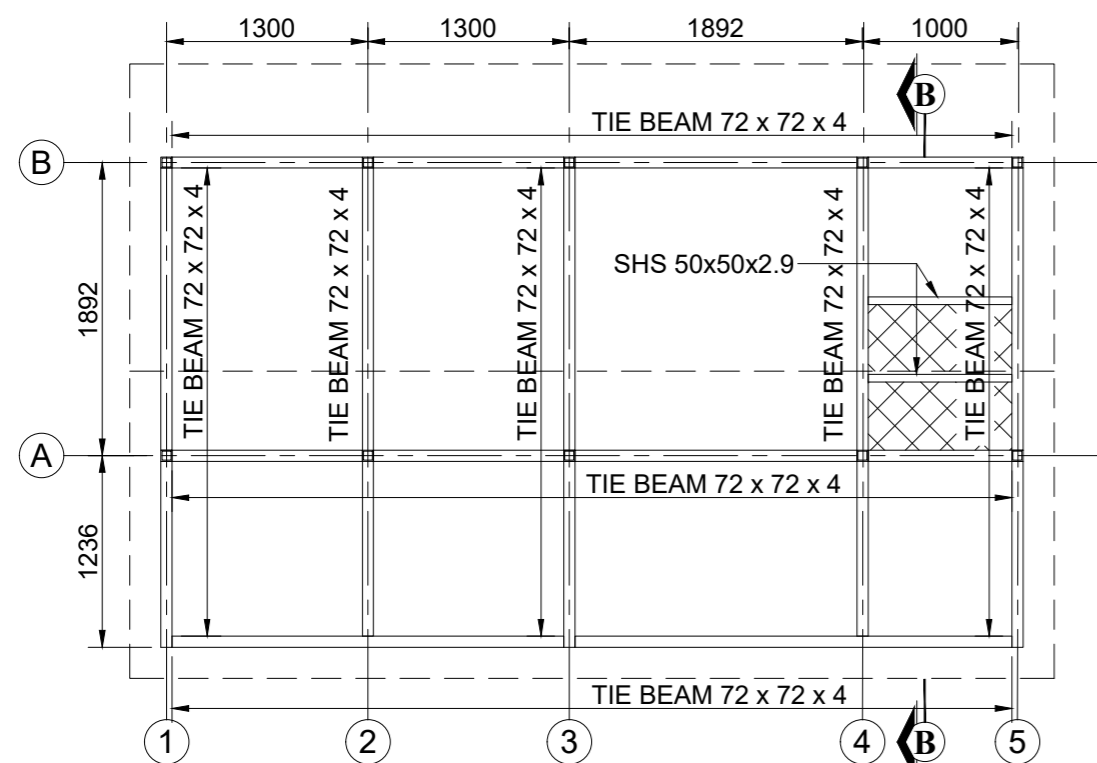
192.168.1.6\Ongoing\DWGS\1083 IWA\CIVIL\WORKING\IWA\TERMINAL\02_BHAF\From onish\02_103_STRUCT_TERMINAL BUILDING_MOD 3.dwg_27.11.2023



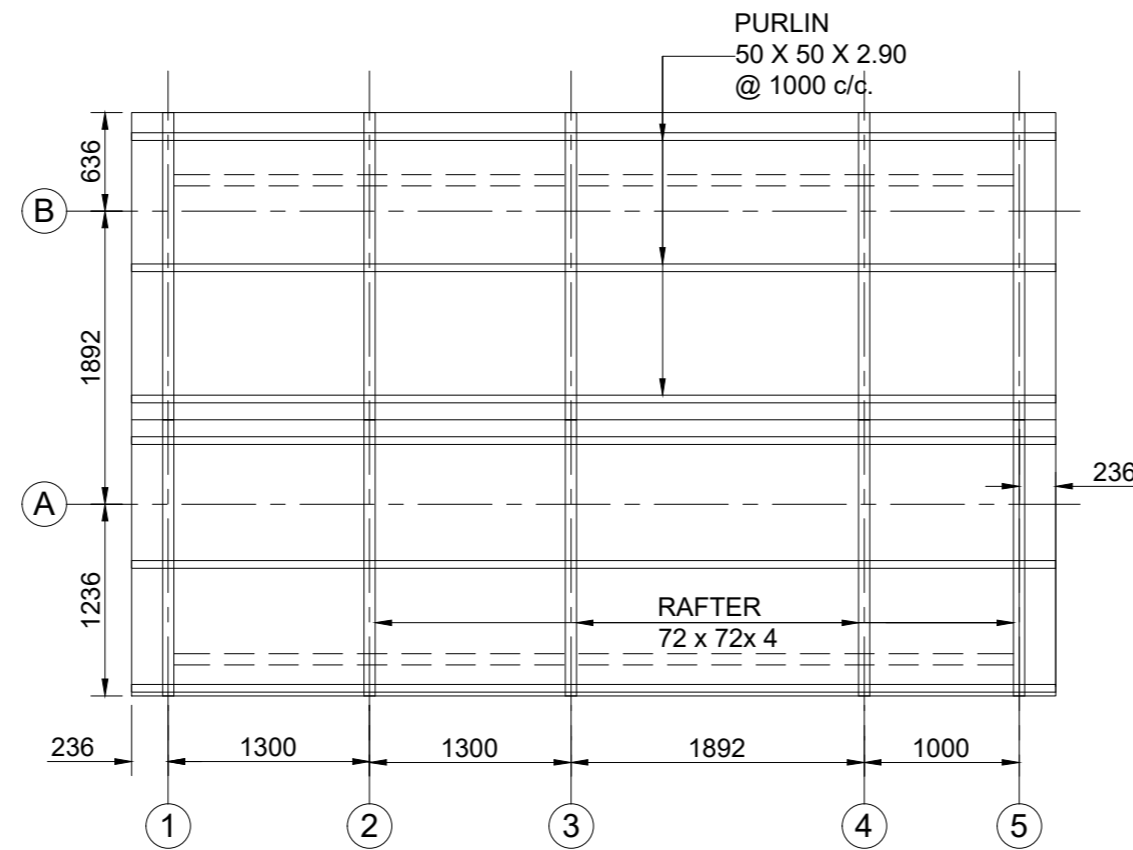
LAYOUT OF FOOTING AND COLUMN



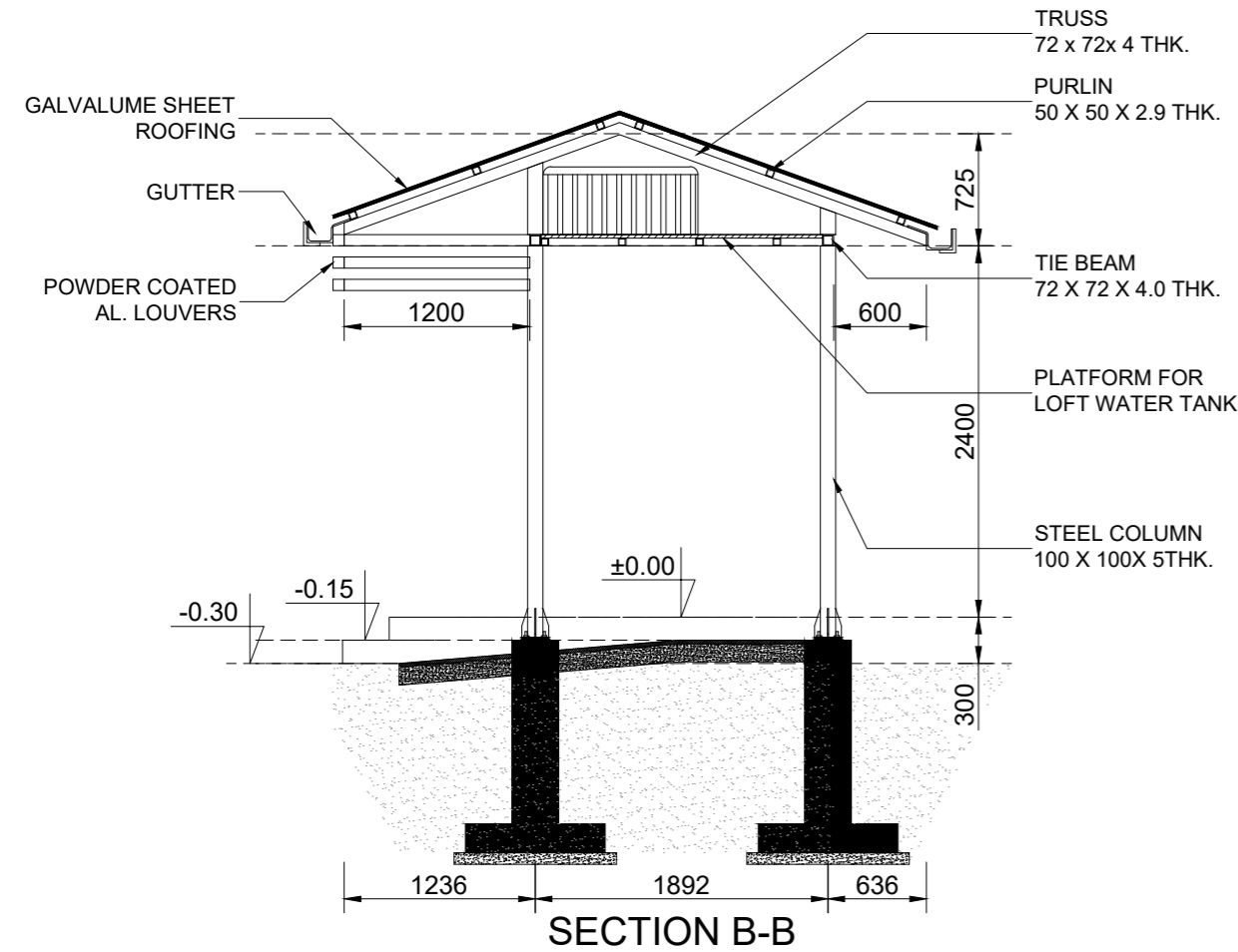
LAYOUT OF GRADE BEAM



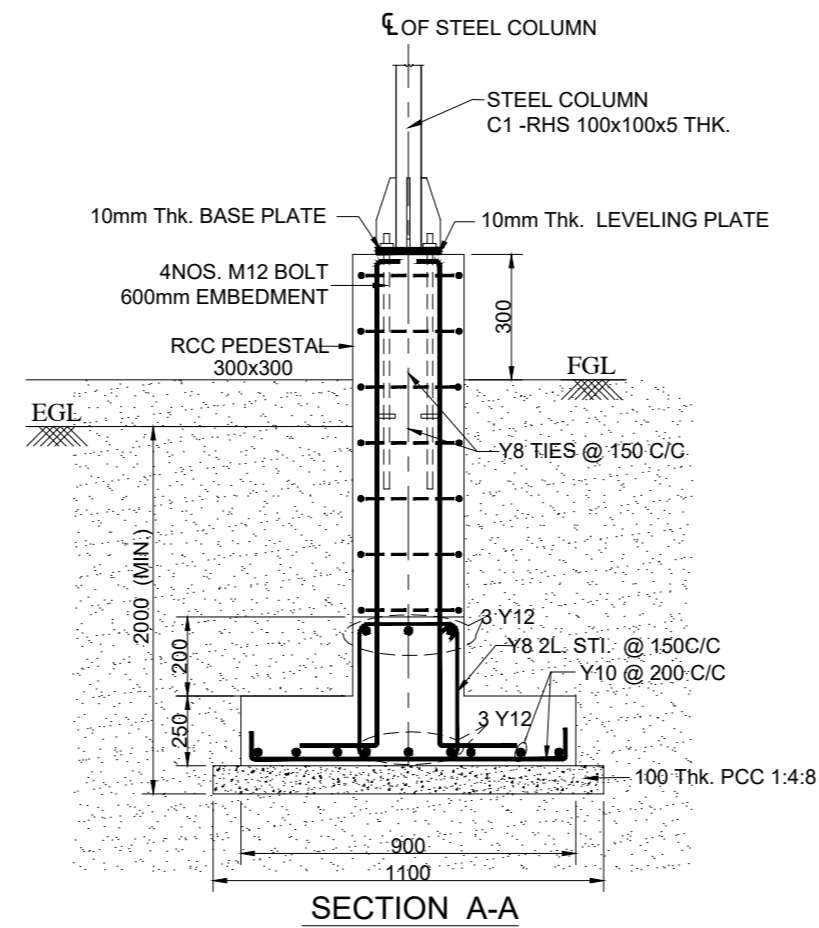
LAYOUT OF TIE MEMBER



LAYOUT OF RAFTER



SECTION B-B

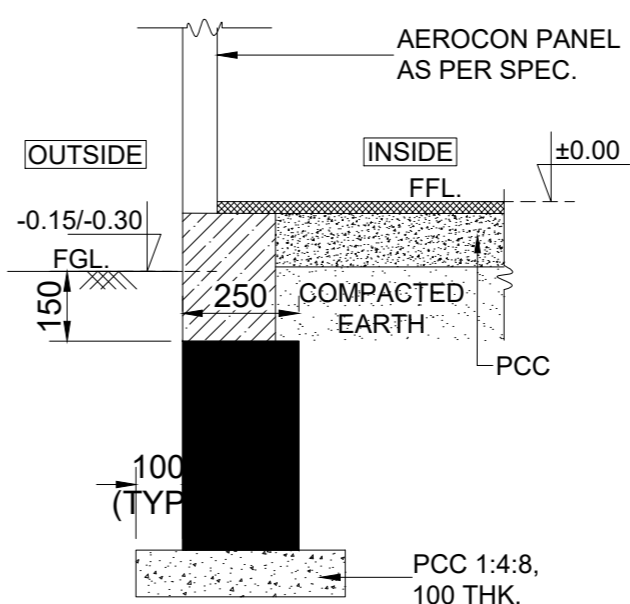
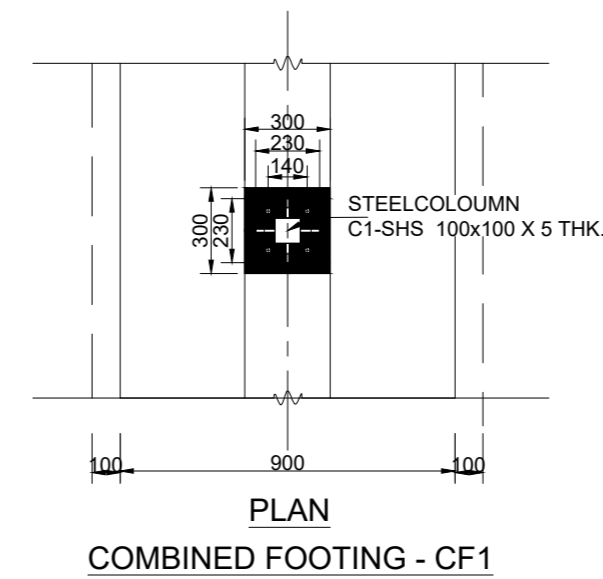
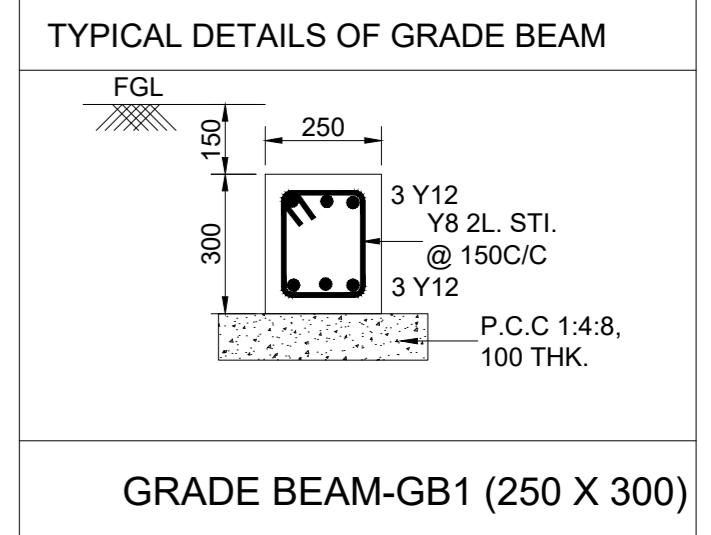
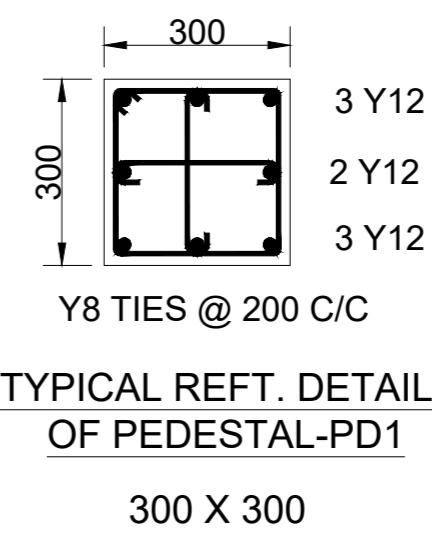


SECTION A-A

SPECIAL NOTES:
FOOTING PCC TO BE LAID ON STRATA WHERE SBC IS ASSUMED AS 50KN/SQ.M. AT 2m DEPTH AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION.

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 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.



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

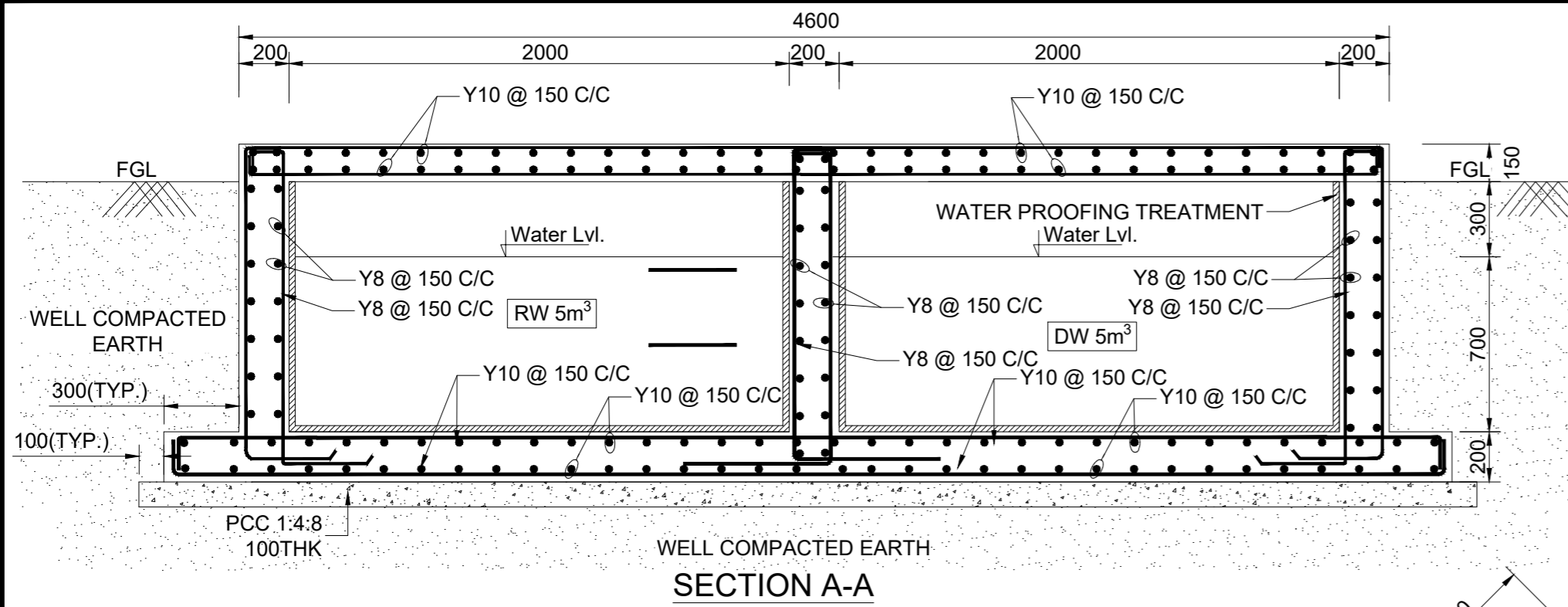
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE: -:TOILET BLOCK:-
GENERAL STRUCTURAL DETAILS

DRG NO: DP 1083 DRG CL 01 202	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Anish Prakash	CHECKED: Anish Prakash	DRAWN: Jithu	DRG. CHECKED: Sindhu Anna George	APPROVED: Lissy Innocent
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 18.08.2022

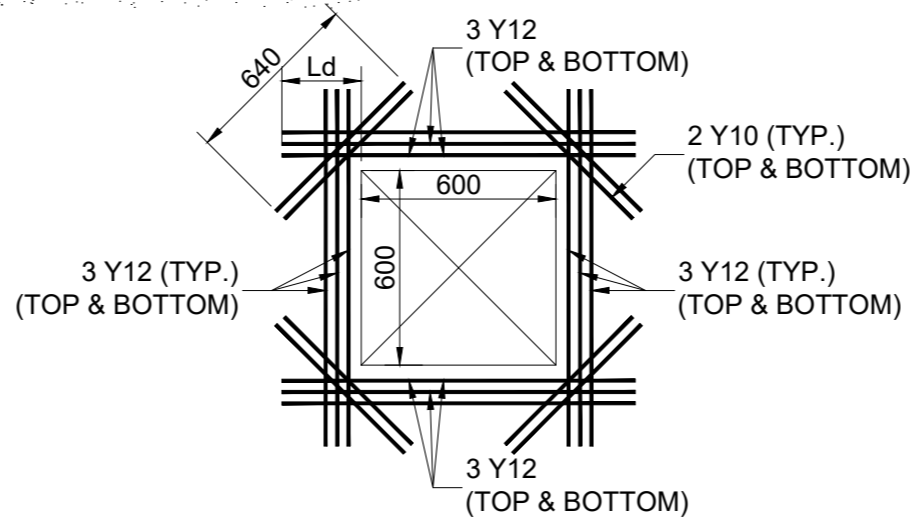
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand

\\192.168.1.6\Ongoing\DWGS\1083 IWA\CIVIL\TENDER\201_TOILET_BLOCK\202_STRUCT_TOILET_BLOCK_IWA_BR & UP.dwg _27.11.2023

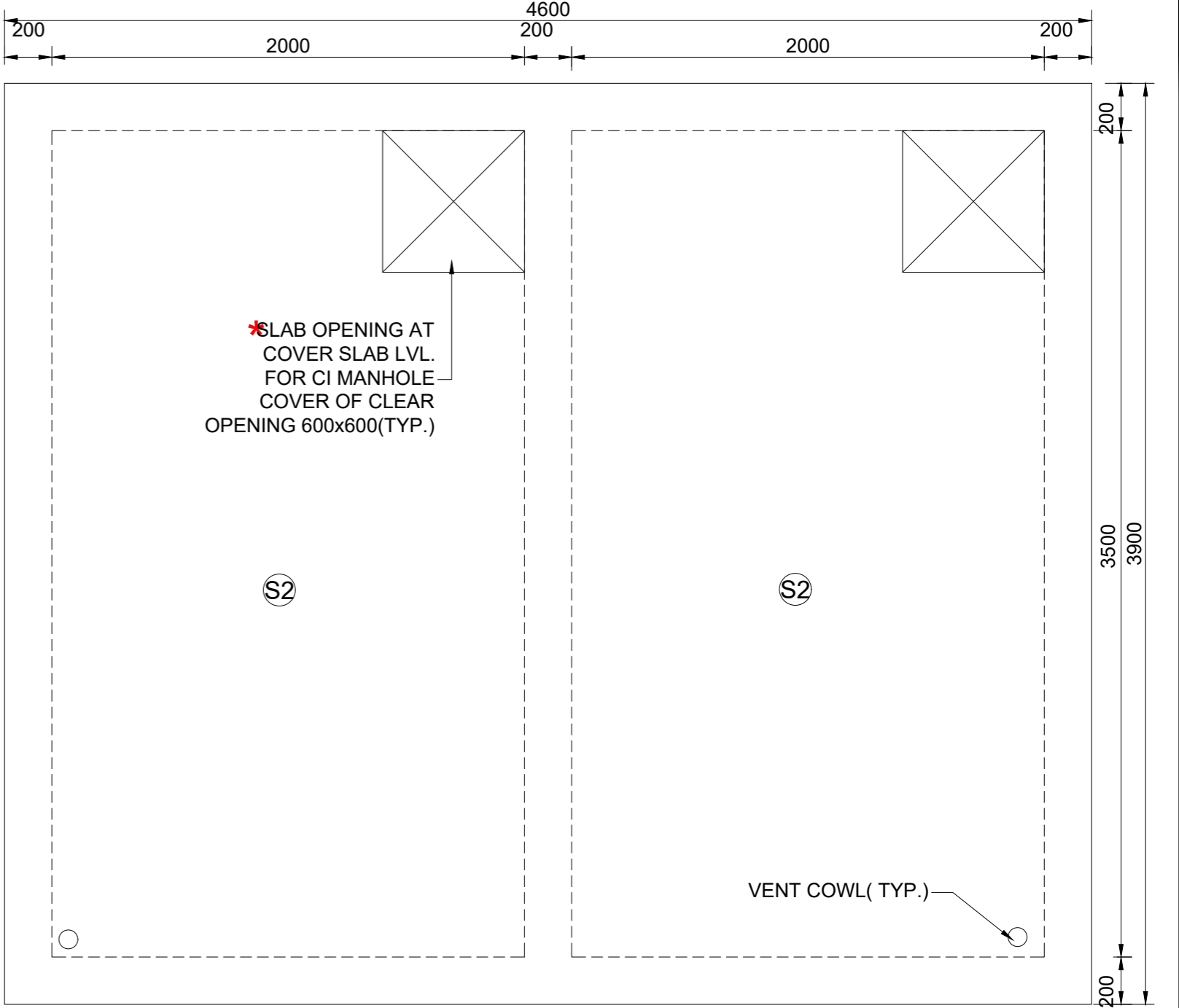


DETAIL 'A'
(TYPICAL)

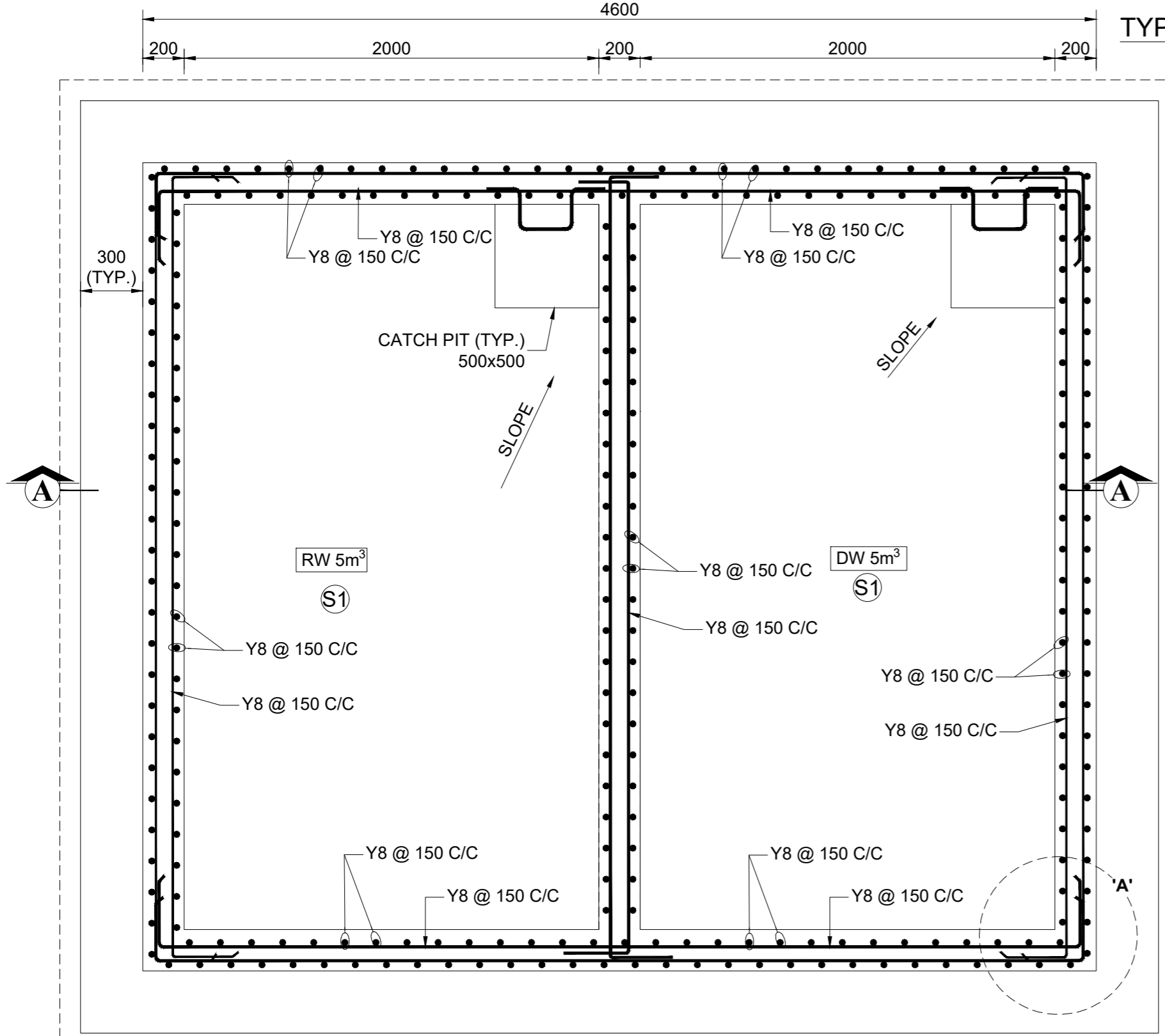
RCC BASE SLAB SCHEDULE				
TYPE	THICK	SHORT SPAN	LONG SPAN	REMARKS
S1	200	Y10 @ 150 C/C	Y10 @ 150 C/C	TOP AND BOTTOM
RCC COVER SLAB SCHEDULE				
S2	150	Y10 @ 150 C/C	Y10 @ 150 C/C	TOP AND BOTTOM



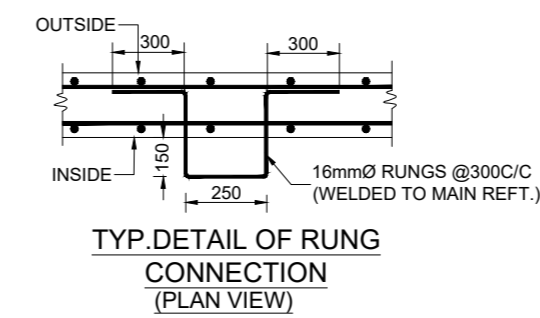
TYP. DETAIL OF OPENING ON SLAB
(EXTRA REFT: FOR OPENINGS)



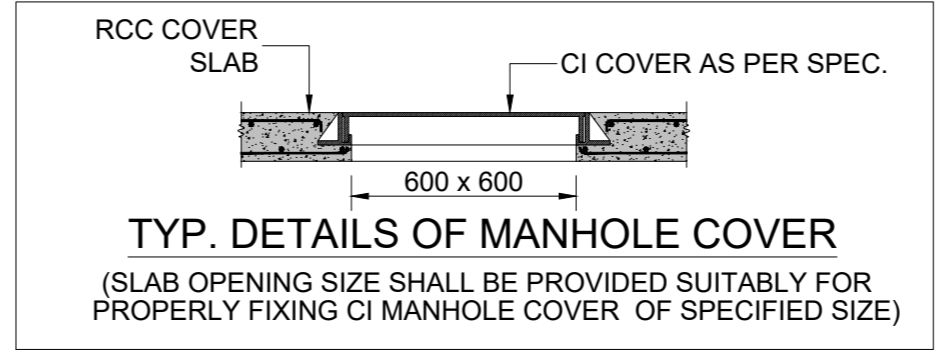
PLAN - LAYOUT OF COVER SLAB



PLAN - REFT. DETAILS OF UG SUMP



TYP. DETAIL OF RUNG CONNECTION
(PLAN VIEW)



TYP. DETAILS OF MANHOLE COVER
(SLAB OPENING SIZE SHALL BE PROVIDED SUITABLY FOR PROPERLY FIXING CI MANHOLE COVER OF SPECIFIED SIZE)

* DIMENSIONS OF CI MANHOLE FRAME AS PER SPEC. TO BE VERIFIED WITH THE PRODUCT AVAILABLE IN THE MARKET

- NOTE:-**
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
 - ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
 - CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX. M30
 - BEND, HOOK, ETC., SHOULD BE TAKEN AS PER IS:456-2000.
 - REINFORCEMENT MARKED Y DENOTES HYSD BARS OF GRADE Fe 500D.
 - CLEAR COVER TO OUTER REFT. : RCC WALL & BASE SLAB-50mm, COVER SLAB -30mm.
 - DEVELOPMENT LENGTH IN TENSION (Ld)= 46 x BAR DIA.
 - LAPS SHALL BE STAGGERED. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ONE SECTION.
 - LAP SPLICES SHALL BE CONSIDERED AS STAGGERED IF CENTER TO CENTER DISTANCE OF SPLICES IS NOT LESS THAN 1.3 TIMES THE LAP LENGTH.
 - MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA OF BAR.
 - PROPER POSITIONING OF PIPE INSERTS SHOULD BE ENSURED BEFORE CONCRETING.
 - BACKFILLING SHALL BE DONE ONLY AFTER CASTING TOP SLAB.
 - VEHICULAR LOAD IS CONSIDERED IN THE DESIGN
 - FOOTING PCC TO BE LAID ON HARD STRATA WHERE SBC IS ASSUMED AS 50kN/SQ.M AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION.

Rev.No.	PARTICULARS	INITIAL	DATE

REVISION

CLIENT: INLAND WATERWAYS AUTHORITY OF INDIA

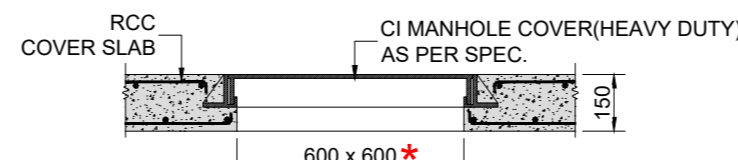
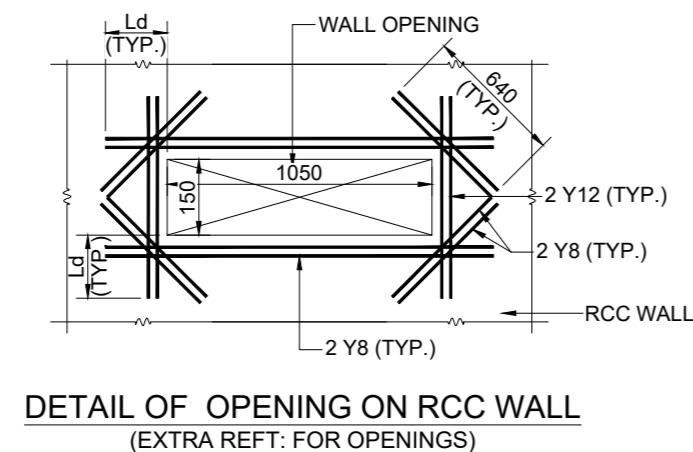
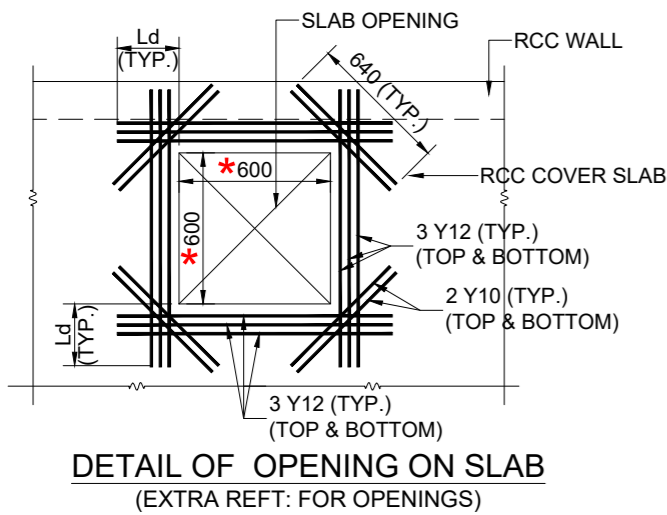
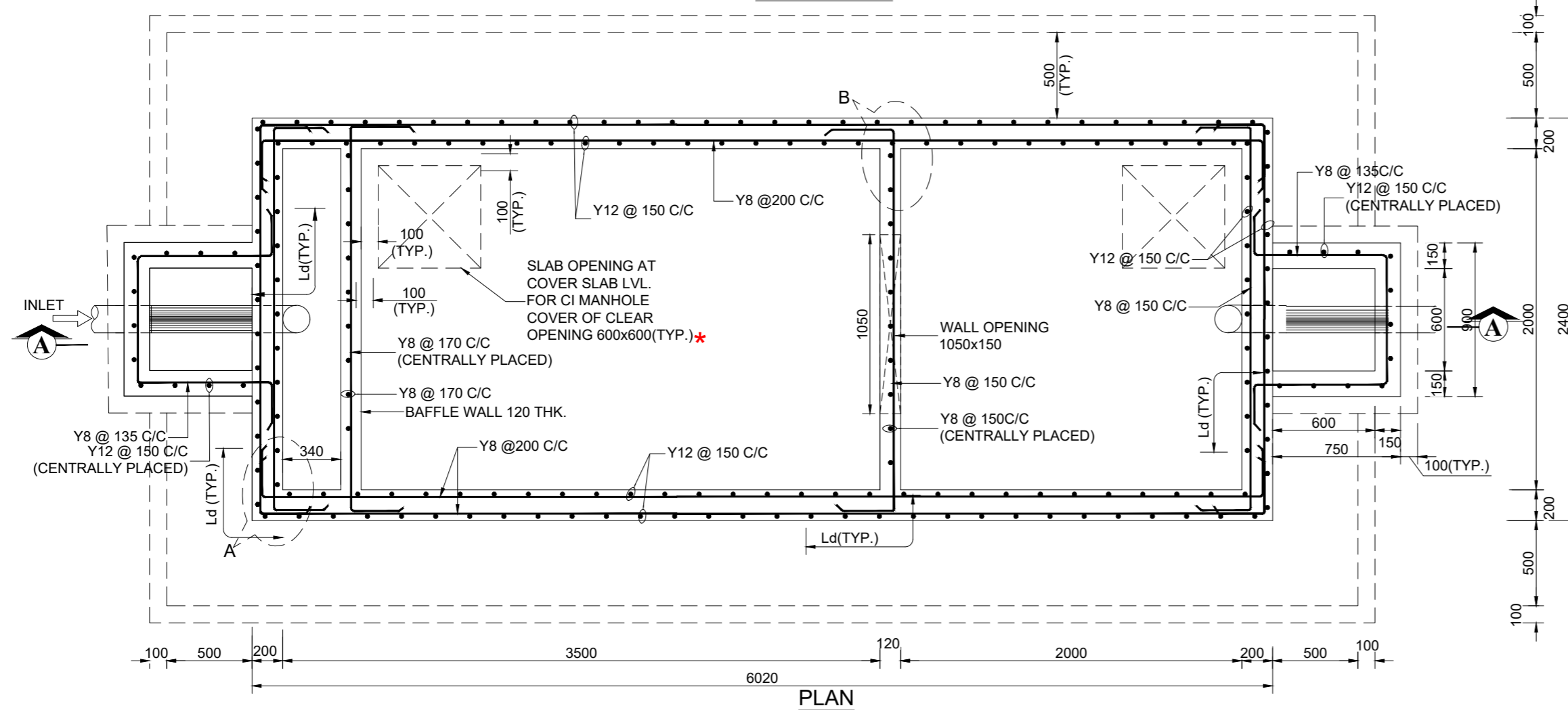
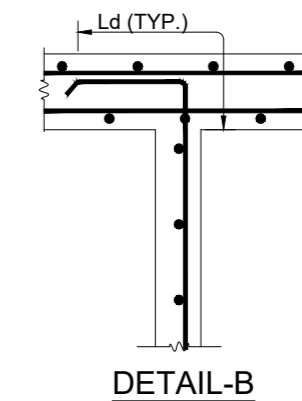
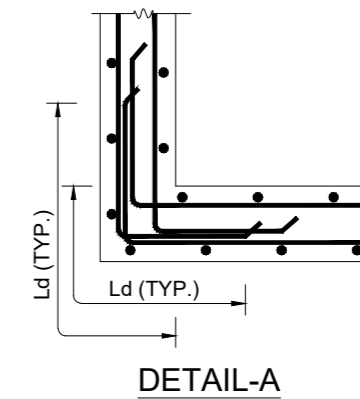
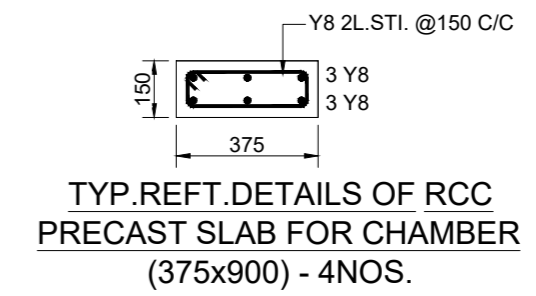
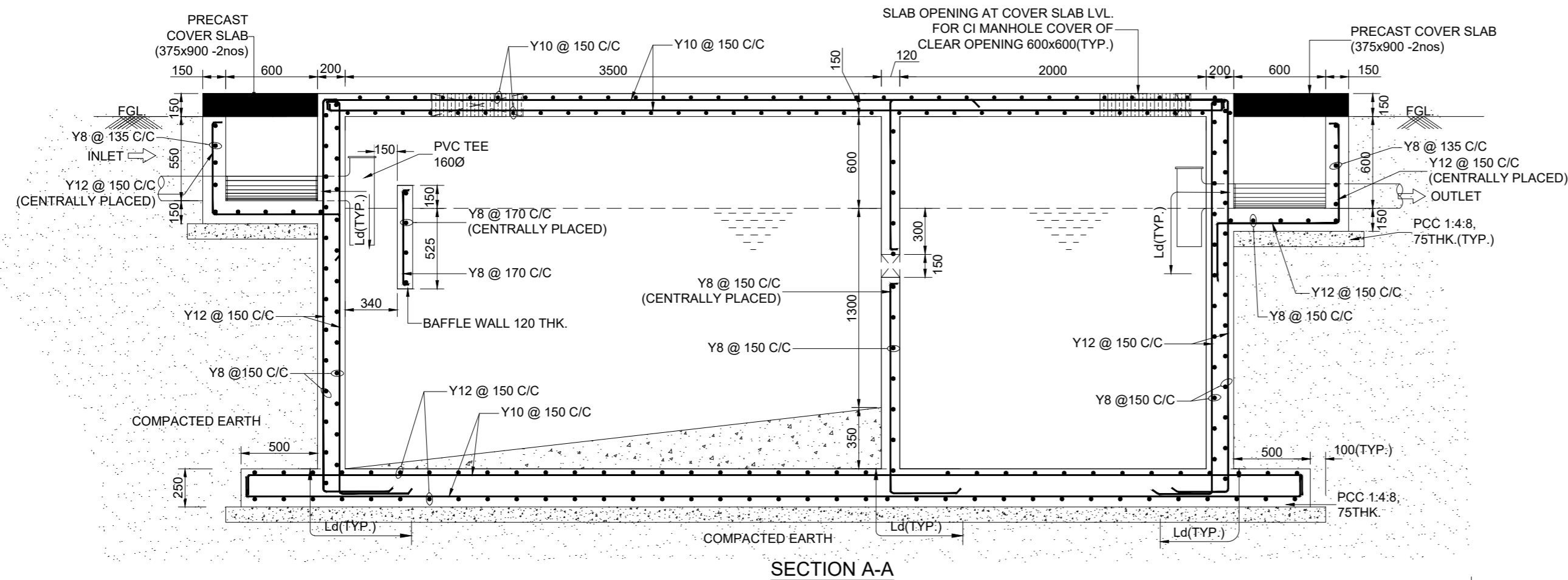
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE: LAYOUT AND REFT.DETAIL OF UG SUMP

DRG NO DP 1083 DRG CL 01 003	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George	APPROVED: Lissy innocent

ISSUED FOR: TENDER PURPOSE UNIT: mm. DATE: 14.09.2022

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



(SLAB OPENING SIZE SHALL BE PROVIDED SUITABLY FOR PROPERLY FIXING CI MANHOLE COVER OF SPECIFIED SIZE)

* DIMENSIONS OF CI MANHOLE FRAME AS PER SPEC. TO BE VERIFIED WITH THE PRODUCT AVAILABLE IN THE MARKET

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METERS
- DRAWING IS NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- CONCRETE SHALL BE CONTROLLED QUALITY AS PER IS:456-2000, MIX M30
- BEND, HOOK, LAP LENGTH ETC., SHOULD BE TAKEN AS PER IS:456-2000
- REINFORCEMENT MARKED Y DENOTES GRADE Fe. 500D AS PER IS 1786:2008.
- MINIMUM LAP LENGTH FOR REFT. BARS SHALL BE 46 x DIA. OF BAR.
- DEVELOPMENT LENGTH IN TENSION (Ld) - 46 x DIA. OF BAR.
- CLEAR COVER TO OUTER REFT. RCC WALL-50mm & BASE SLAB - 50mm, COVER SLAB & PRECAST SLAB - 30mm
- VENTILATING PIPE MAY BE CONNECTED AT AVAILABLE DUCTS AS PER SITE CONDITION AND TAKING THE COWL UPTO SUITABLE HEIGHT.
- PRECAST SLAB TOP SHALL BE MARKED WHILE CASTING AND POSITIONED ACCORDINGLY.
- BACK FILLING SHALL BE DONE ONLY AFTER CASTING COVER SLAB
- VEHICULAR LOAD IS CONSIDERED IN THE DESIGN
- FOOTING PCC TO BE LAID ON HARD STRATA WHERE SBC IS ASSUMED AS 50kN/SQ.M. AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION.

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

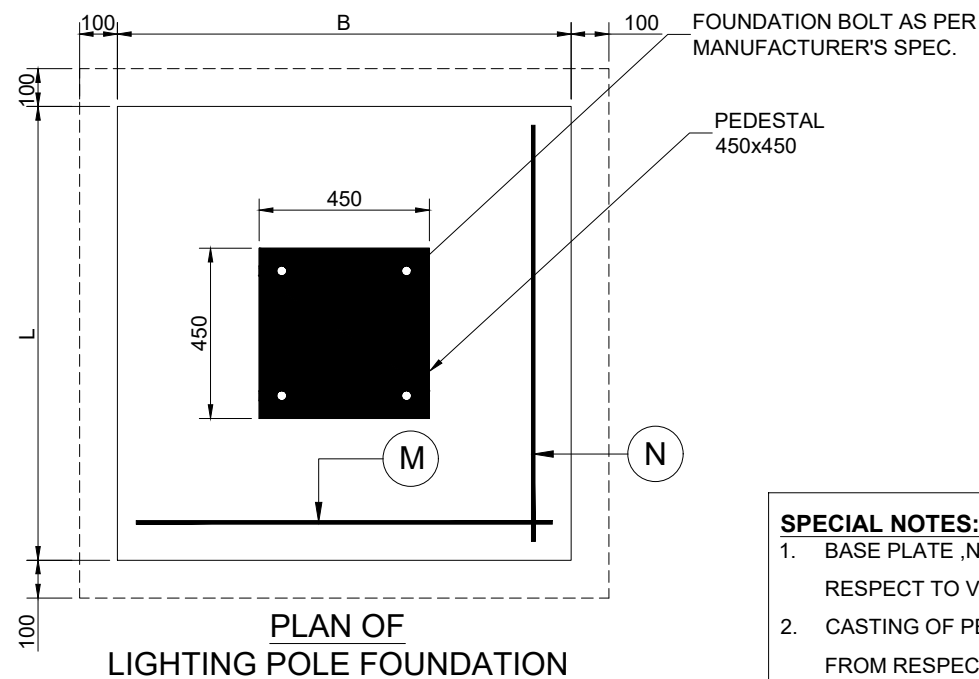
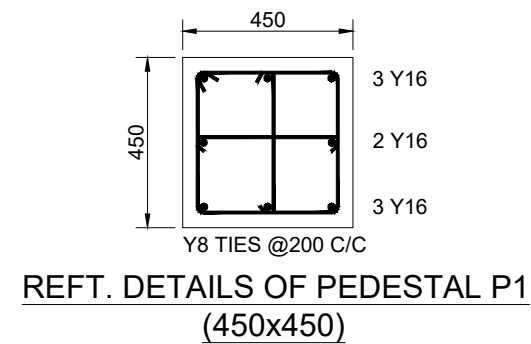
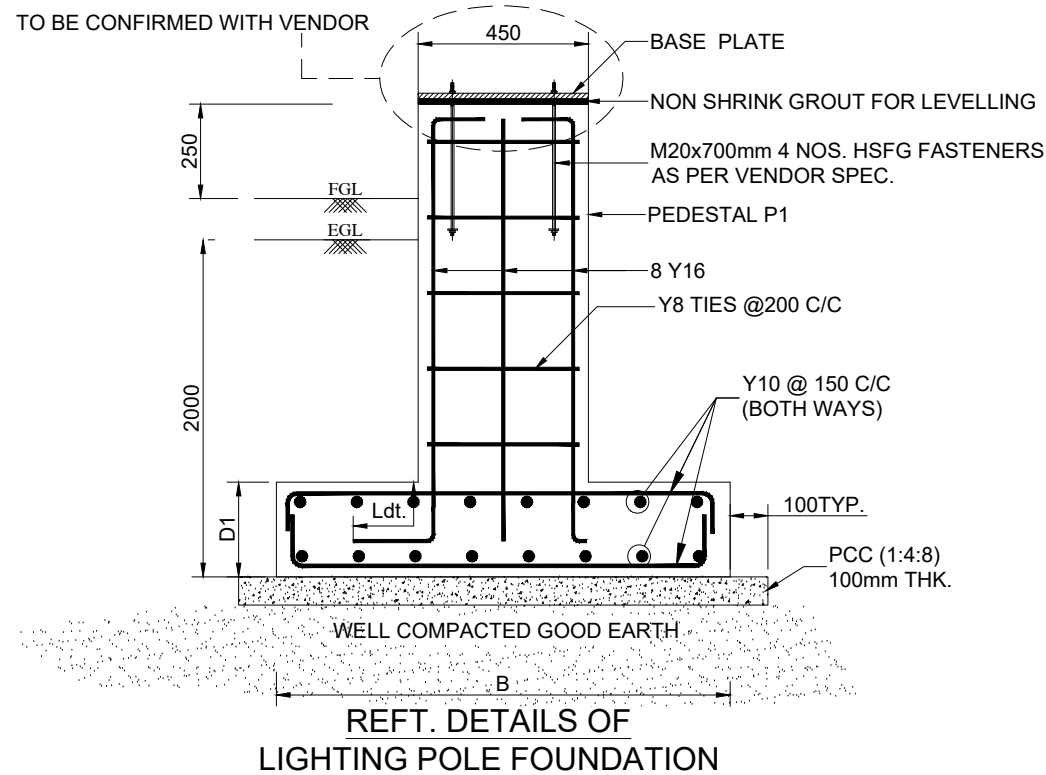
PROJECT: DEVELOPMENT OF COMMUNITY JETTIES, TO BE DEVELOPED IN BIHAR UNDER JMVP-II

TITLE: SEPTIC TANK 50 USERS (600MM FREE BOARD) LAYOUT AND REFT. DETAILS OF SEPTIC TANK & SOAK PIT

DRG NO: DP 1083 DRG CL 01 006	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A2
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George	APPROVED: Lissy innocent

ISSUED FOR: TENDER PURPOSE UNIT: mm. DATE: 06.01.2023

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



SPECIAL NOTES:

1. BASE PLATE ,NUMBER OF BOLT AND DIA. SHALL BE CONFIRMED WITH RESPECT TO VENDOR DRAWING BEFORE EXECUTION
2. CASTING OF PEDESTAL SHALL BE DONE ONLY AFTER GETTING CONFIRMATION FROM RESPECTIVE VENDOR.

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. M25
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 .
6. CLEAR COVER TO OUTER REFT. :FOOTING & PEDESTAL -50mm.
7. DEVELOPMENT LENGTH (Ldt) = 49 x BAR DIA

SCHEDULE OF REFT. DETAILS OF LIGHT POLE FOUNDATION					
LIGHT POLE HEIGHT	L	B	D1	M	N
8m	1200	1200	250	Y10 @ 150 C/C	Y10 @ 150 C/C

FOOTING PCC TO BE LAID ON HARD STRATA WHERE SBC IS ASSUMED AS 50kN/ SQ.M. AT 2.0m DEPTH AS PER SOIL INVESTIGATION REPORT AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION.

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 BIHAR UNDER JMVP-II

TITLE: REFT. DETAILS OF LIGHT POLE FOUNDATION

DRG NO: DP 1083 DRG CL 01 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
----------------------------------	---------------------	------	---------------	----

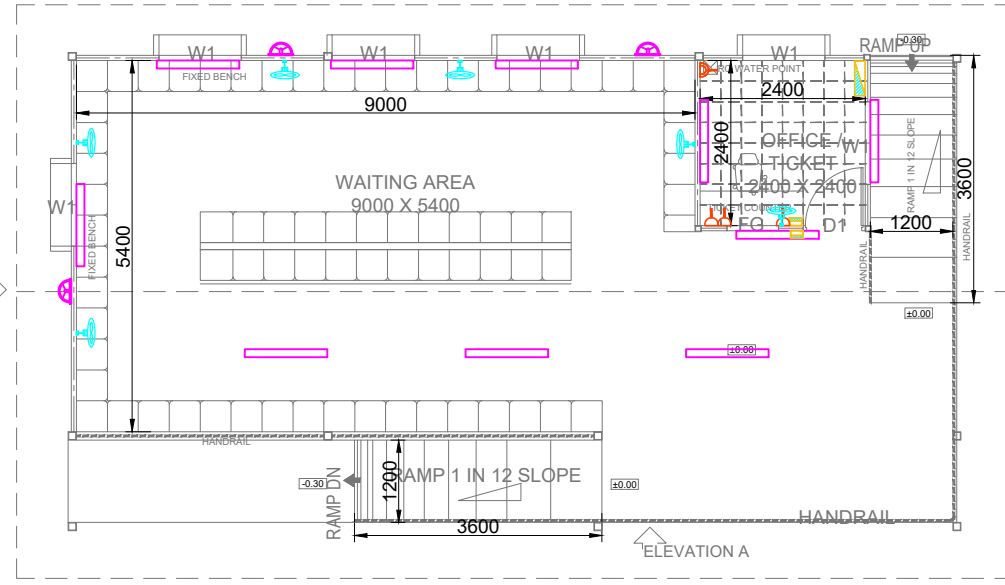
DESIGNED: Anish Prakash	DRAWN: Jithu	CHECKED: Anish Prakash	VERIFIED: Sindhu Anna George	APPROVED: Lissy innocent
----------------------------	-----------------	---------------------------	---------------------------------	-----------------------------

ISSUED FOR: TENDER PURPOSE

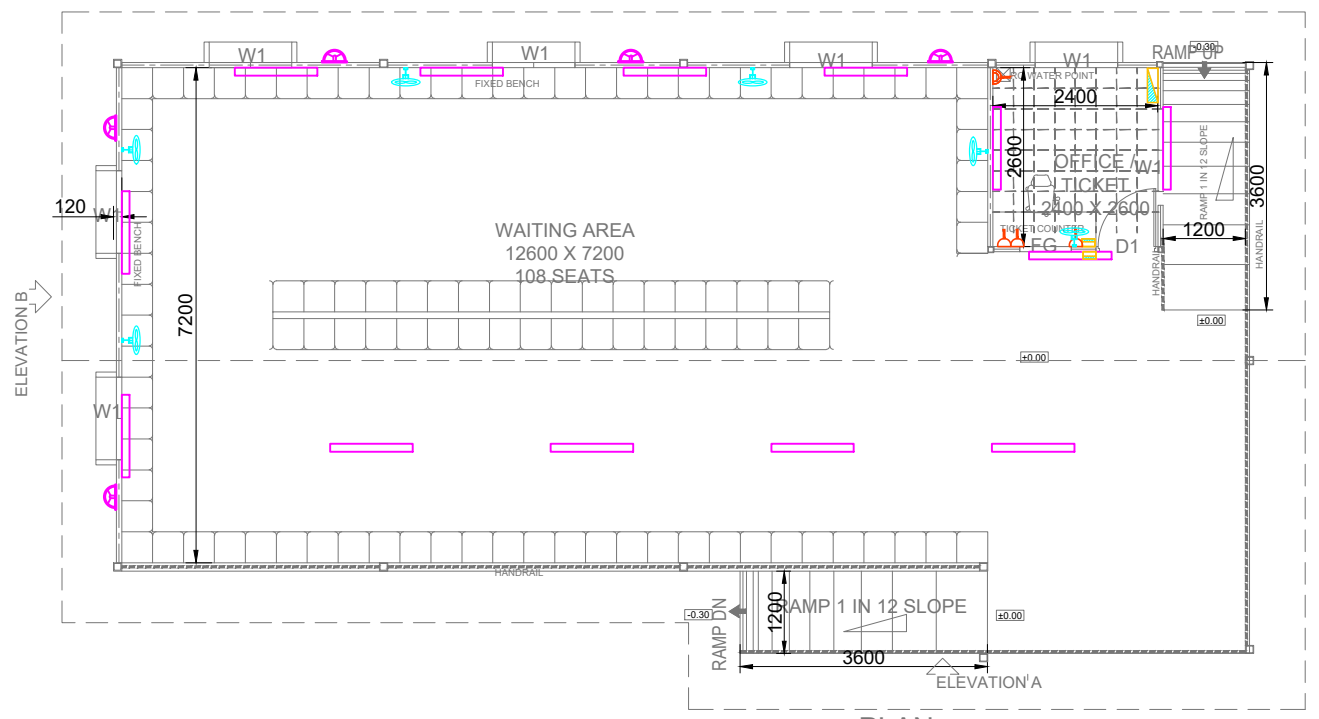
UNIT: mm.

DATE: 07.09.2023

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



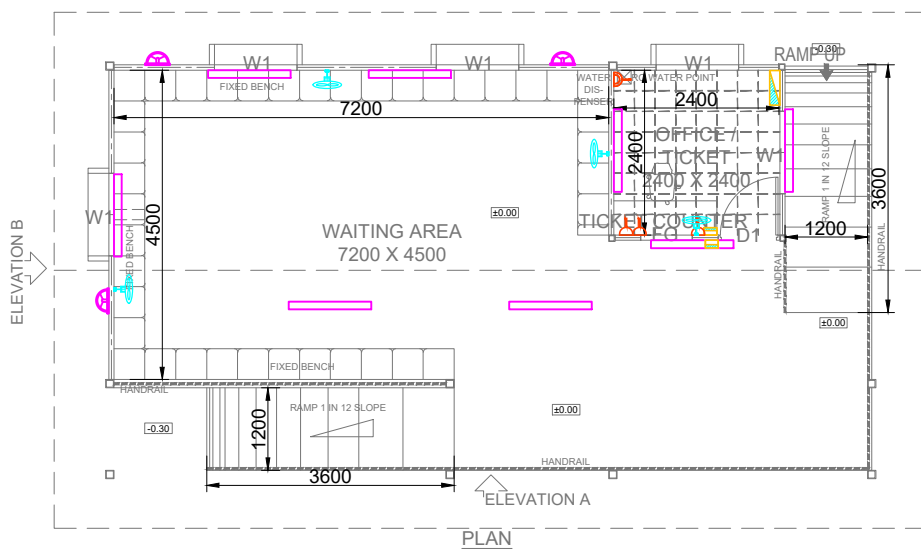
PLAN
LIGHTING LAYOUT OF TERMINAL BUILDING MODULE 2



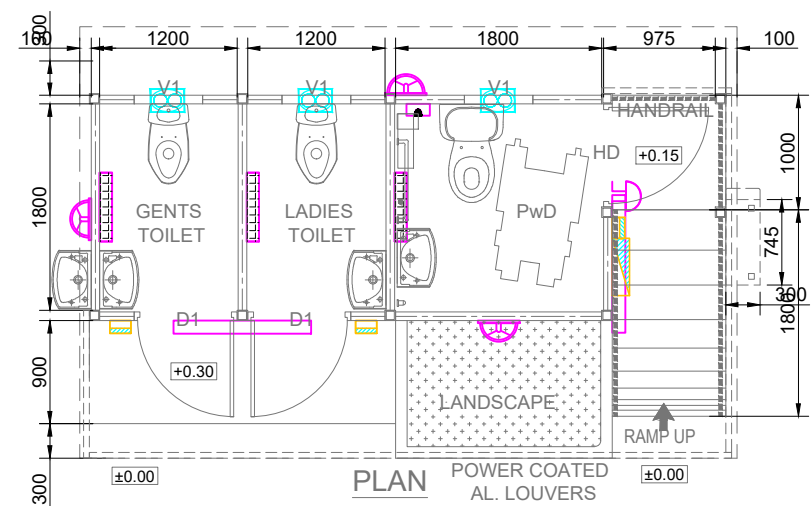
LIGHTING LAYOUT OF TERMINAL BUILDING MODULE 3

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

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 UNDER JMVP-II

TITLE:
LIGHTING LAYOUT OF TERMINAL MODULE 1 TO 3 & TOILET BLOCK

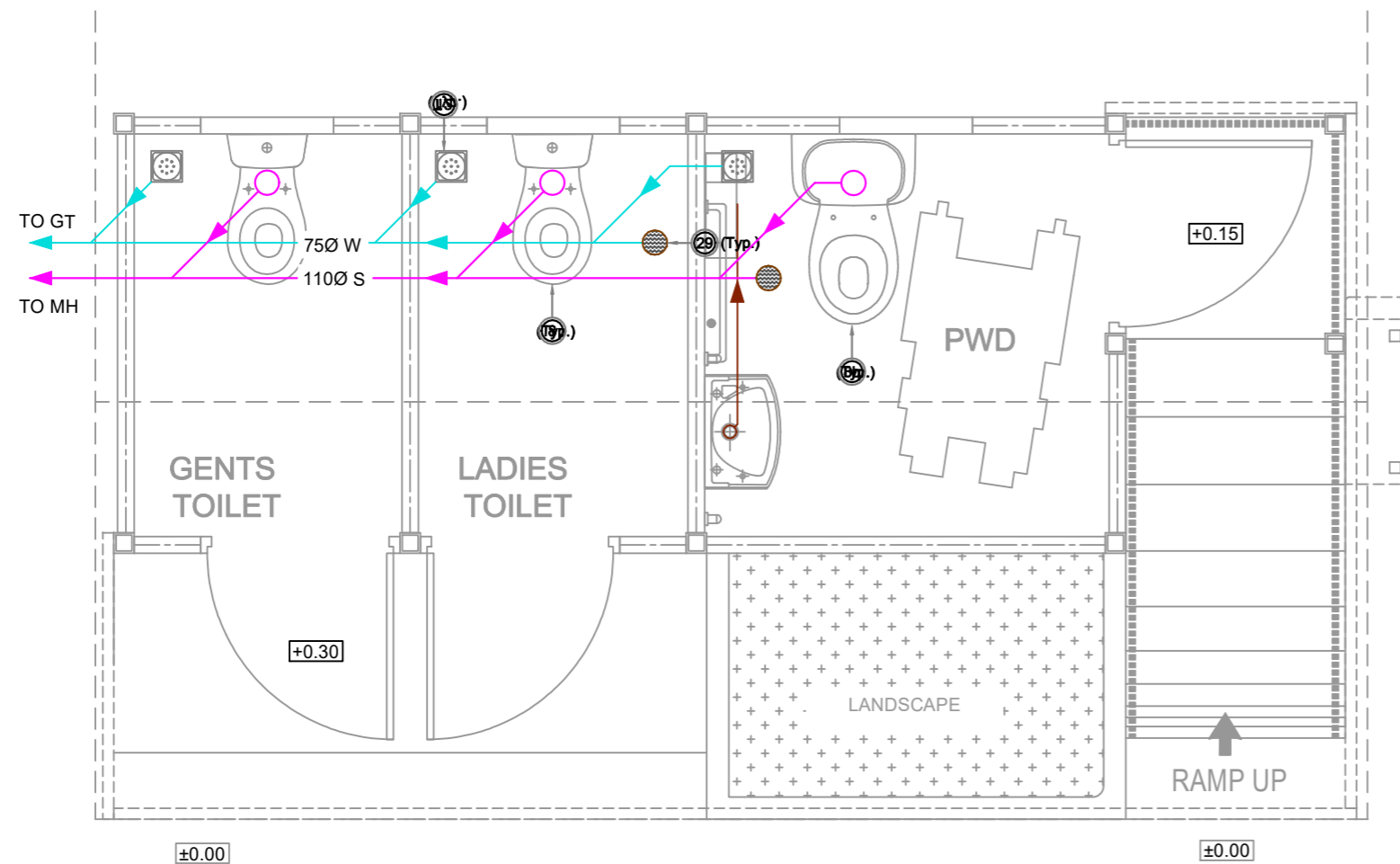
DRG NO: DP 1083 DRG EL 02 001	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
DESIGNED: Treesa Archana	DRAWN: Binoy TB	CHECKED: Anju John Gray	VERIFIED: Anooj Kamal	APPROVED: Rajna E

ISSUED FOR:
TENDER PURPOSE

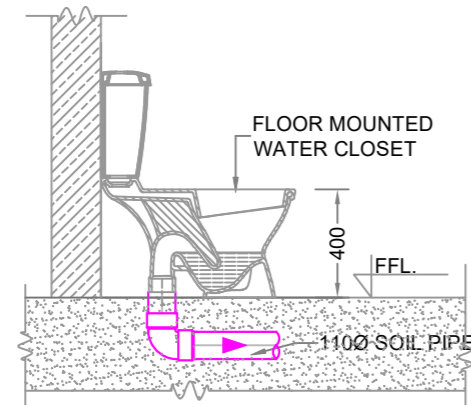
UNIT: mm. DATE: 13.01.2023

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

S:\DWGS\1083 IWA\ELECTRICAL\WORKING\02_BIHAR\TENDER\LL_IWA_bihar.dwg - 15.12.2023



SANITARY LAYOUT



TYP. CROSS SECTION OF WATER CLOSET

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

LEGEND:

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


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/cm² EXCEPT FOR VENT PIPES
7. ALL VENT PIPE SHOWN ARE PVC 4kg/cm².
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



the consultants

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

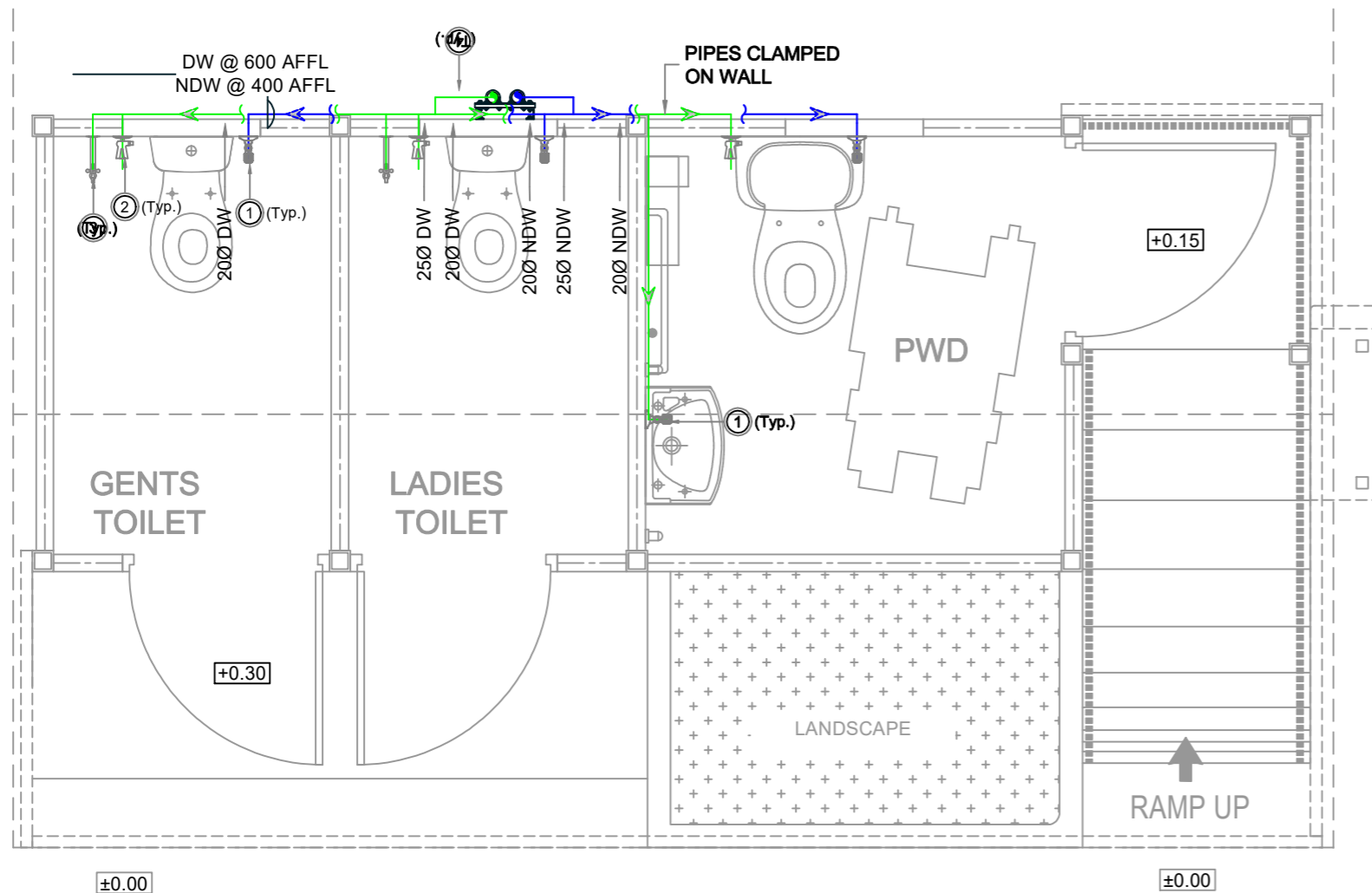
TITLE:
**-:TOILET BLOCK:-
LAYOUT & DETAILS OF INTERNAL SANITARY LINES**

DRG NO: DP 1083 DRG PL 01 201	SHEET NO: 1 OF 1	REV.	SCALE: NTS	A3
----------------------------------	---------------------	------	---------------	----

DESIGNED: Susan P Rajan	DRAWN: Pravitha V S	CHECKED: Susan P Rajan	VERIFIED: -	APPROVED: Ajish Unnithan S
----------------------------	------------------------	---------------------------	----------------	-------------------------------

ISSUED FOR: TENDER PURPOSE	UNIT: mm.	DATE: 19.08.2022
--------------------------------------	--------------	---------------------

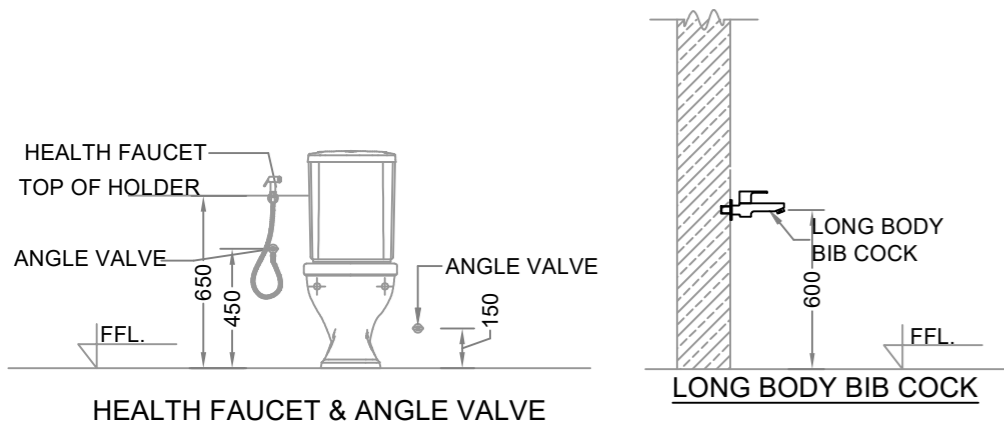
This drawing is the property of KITCO Ltd. and is to be used only for the purpose for which it was lent and must not be in any way detrimental to the interest of the company and is subject to return on demand



WATER SUPPLY LAYOUT

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/cm². 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 CLADDDED.
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.



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)
- AFFL ABOVE FINISHED FLOOR LEVEL
- GM GATE VALVE

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

Rev.No.	PARTICULARS	INITIAL	DATE
REVISION			

KITCO
the consultants

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
DESIGNED: Susan P Rajan	DRAWN: Pravitha V S	CHECKED: Susan P Rajan	VERIFIED: -	APPROVED: Ajish Unnithan S
ISSUED FOR: TENDER PURPOSE			UNIT: mm.	DATE: 19.08.2022

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