

CORRIGENDUM-1 dated 10 May 2019 TO TENDER SPECIFICATION BHEL: PSSR: SCT: 1825 dated 26 Apr 2019.

Sub: Civil, Structural & Architectural works for foundation & superstructure of various buildings & other miscellaneous structures of Unit # 2 of BTG area at 2X660MW Ennore SEZ STPP (on the ash dyke of NCTPS).

A. The following clarifications are provided in response to queries received from bidders: -

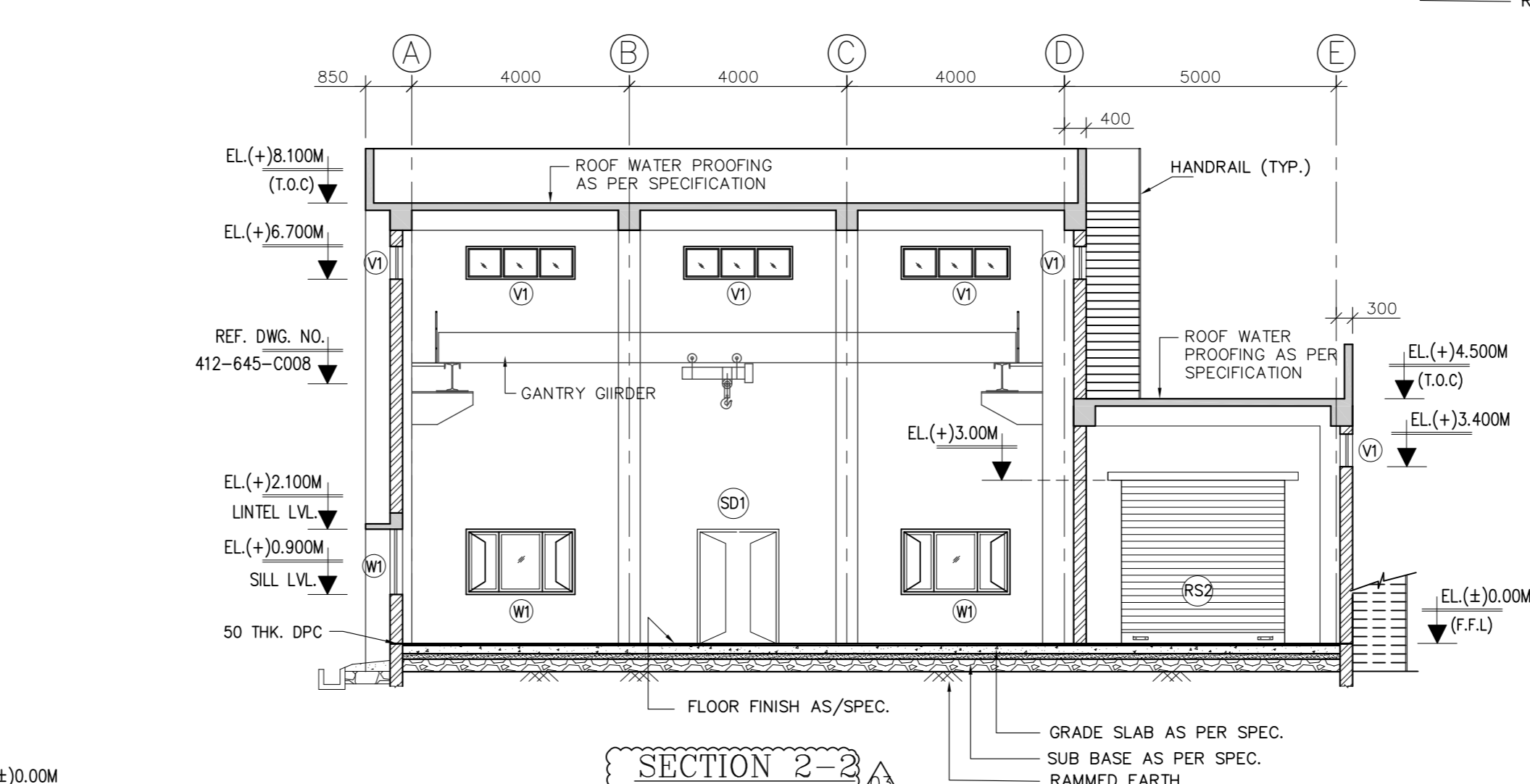
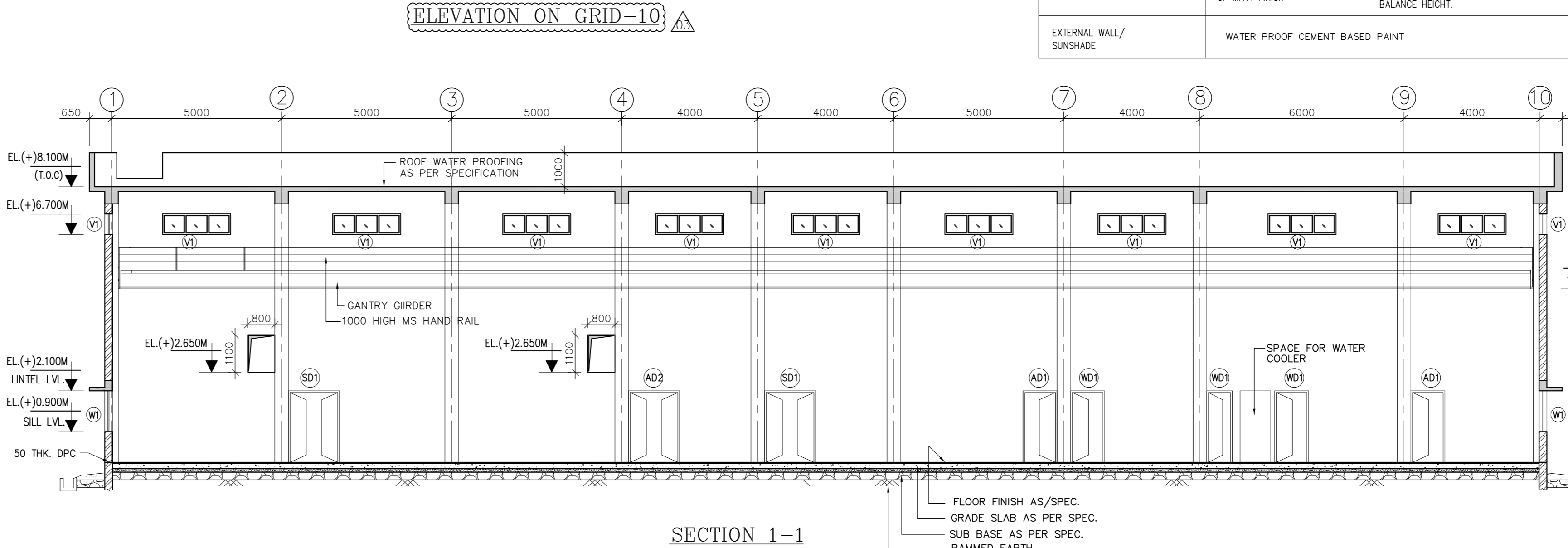
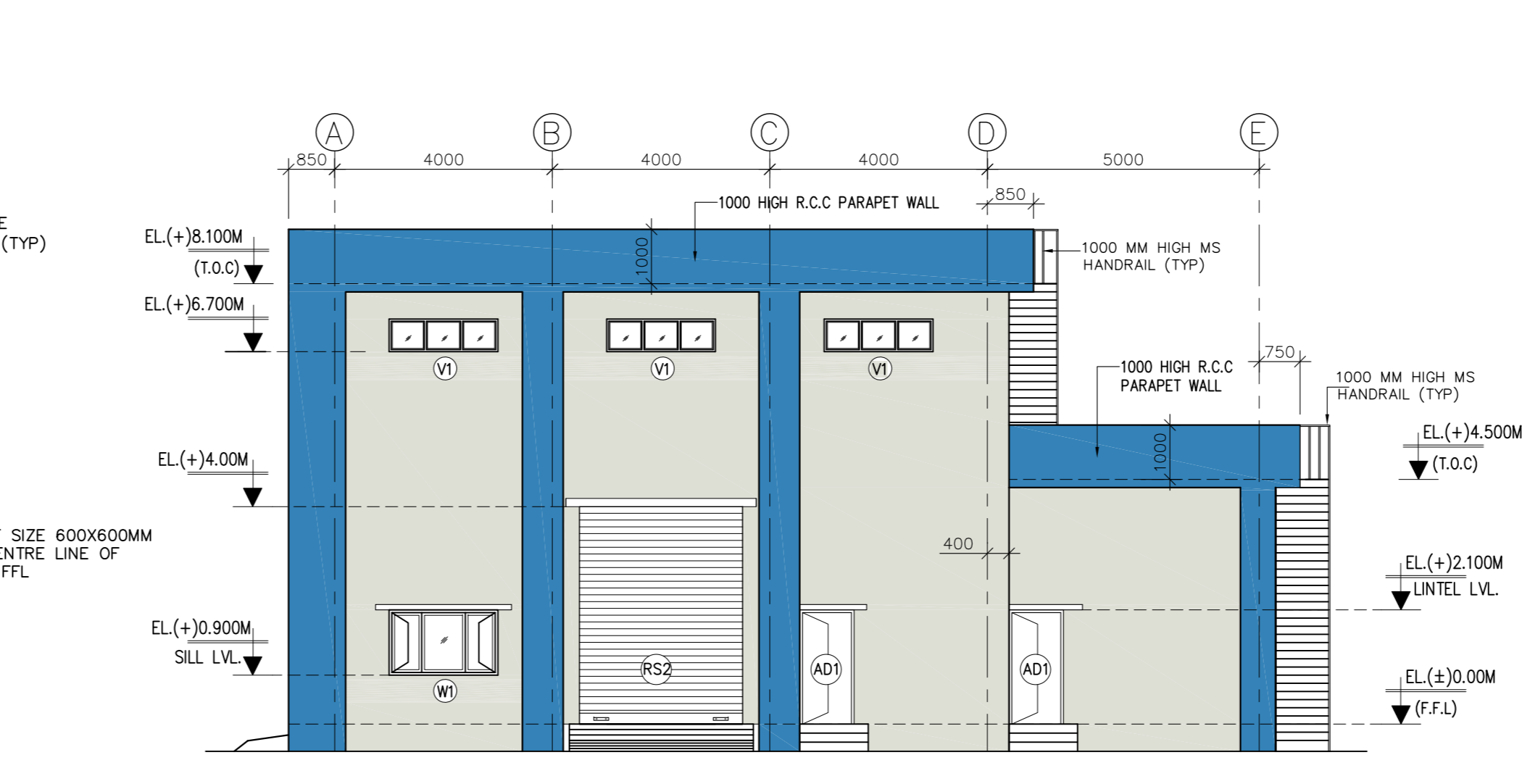
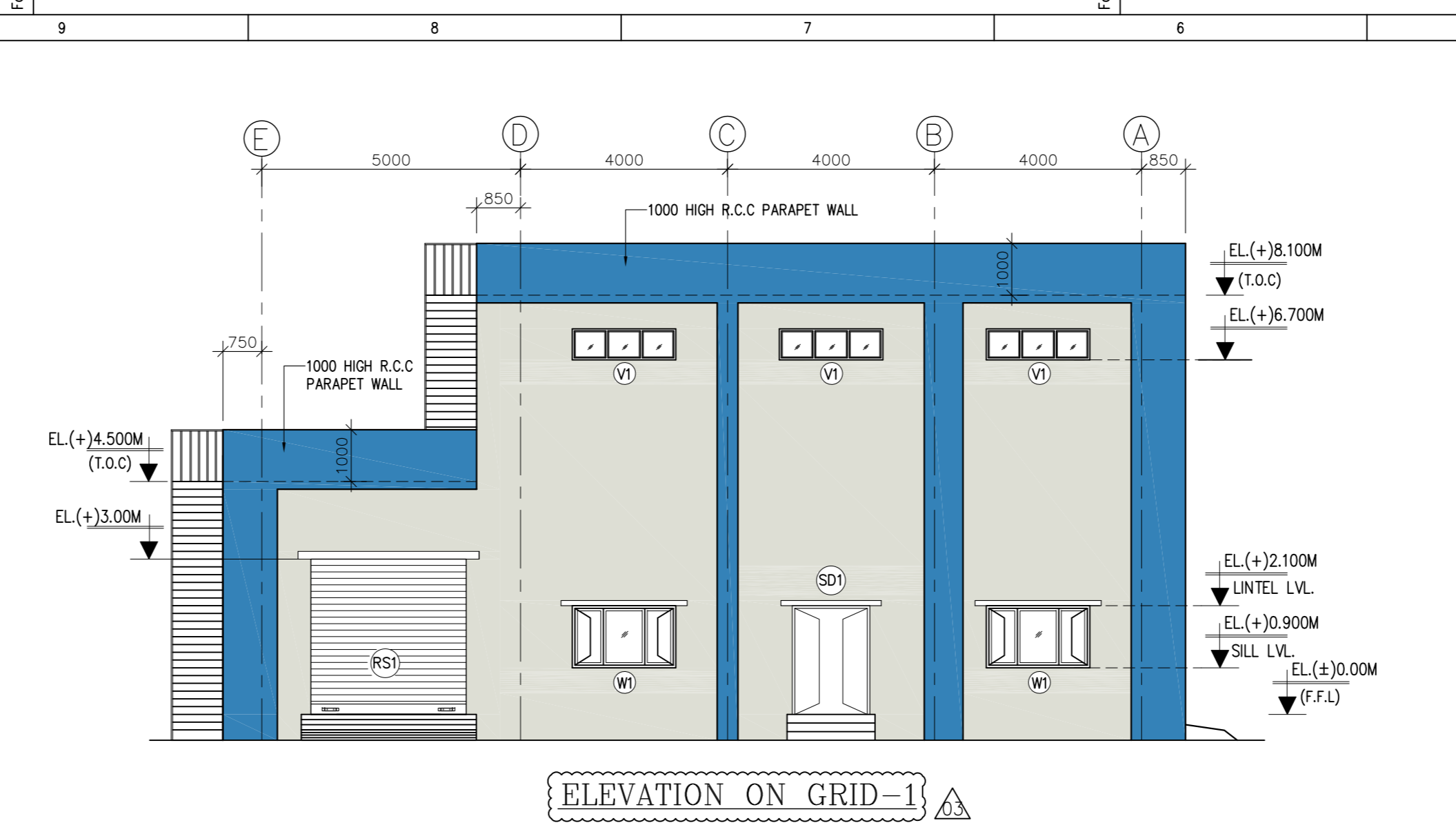
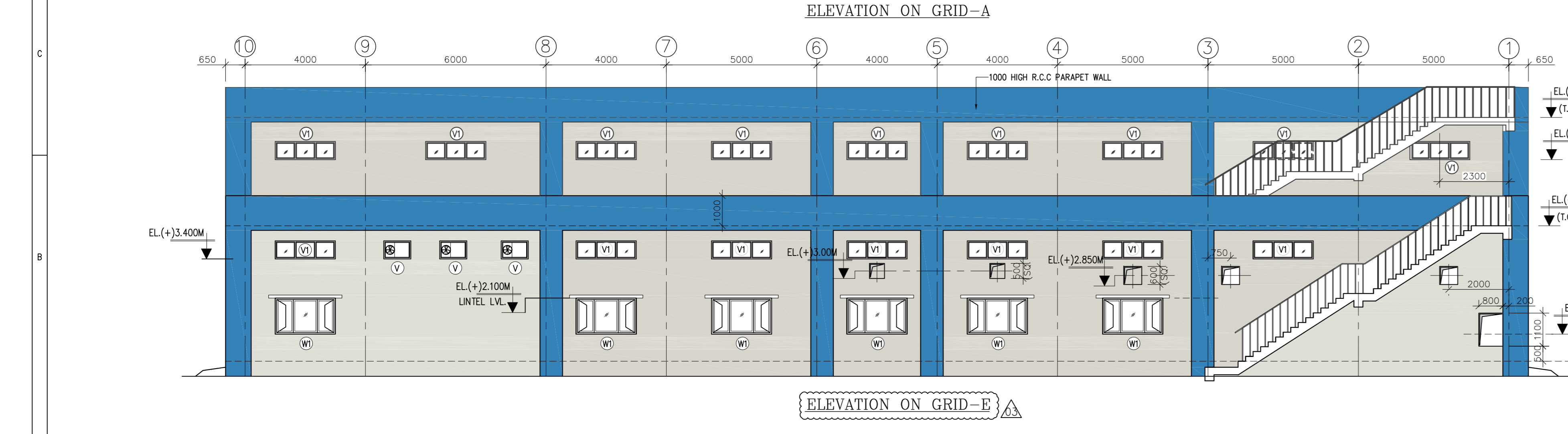
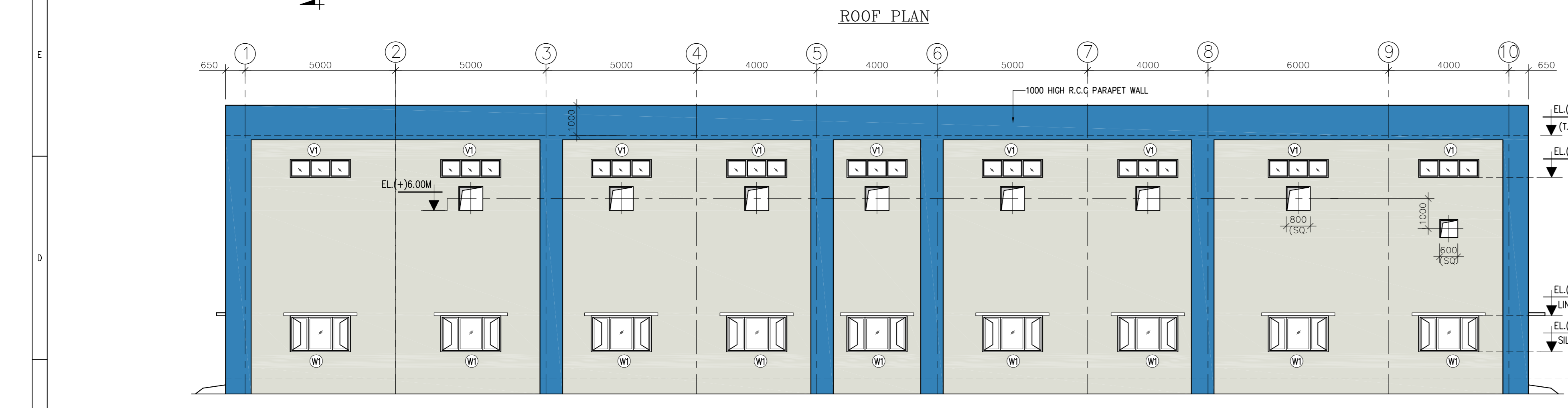
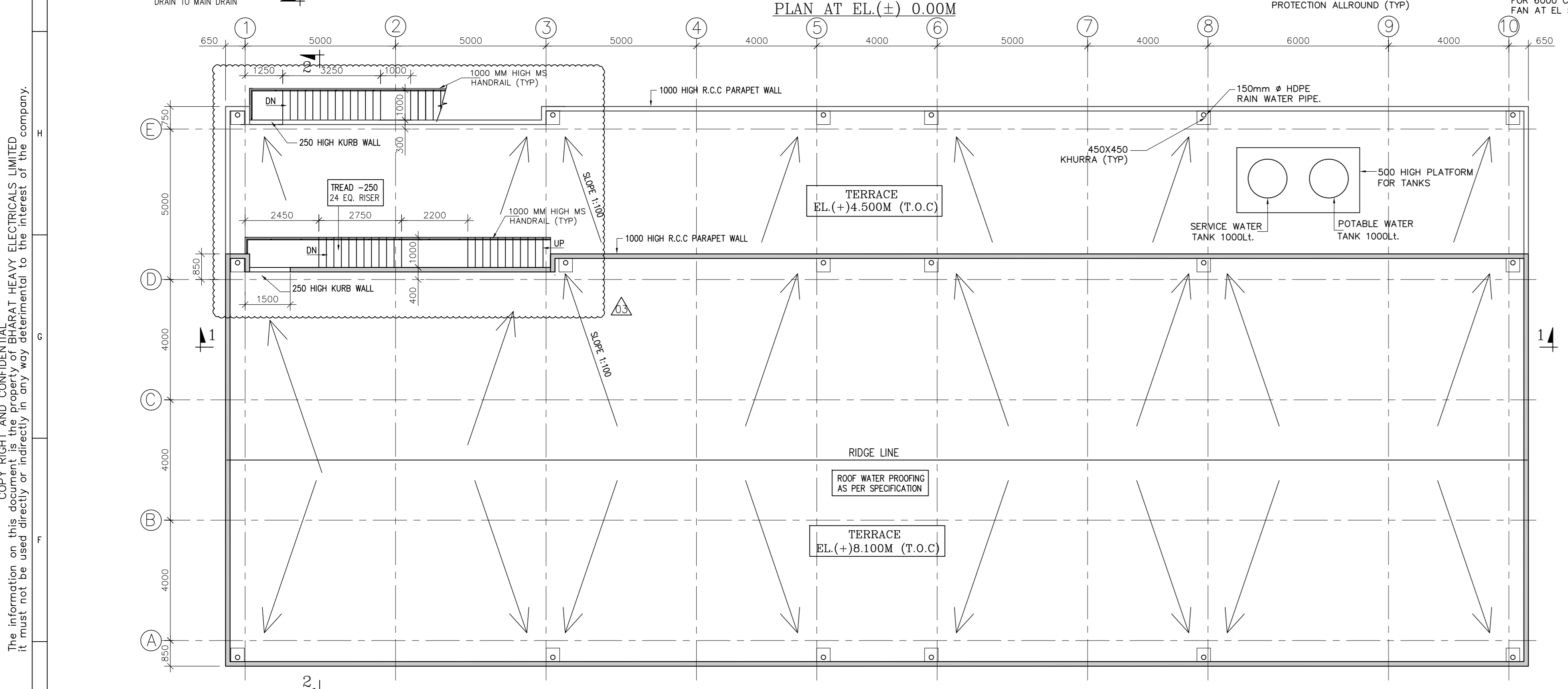
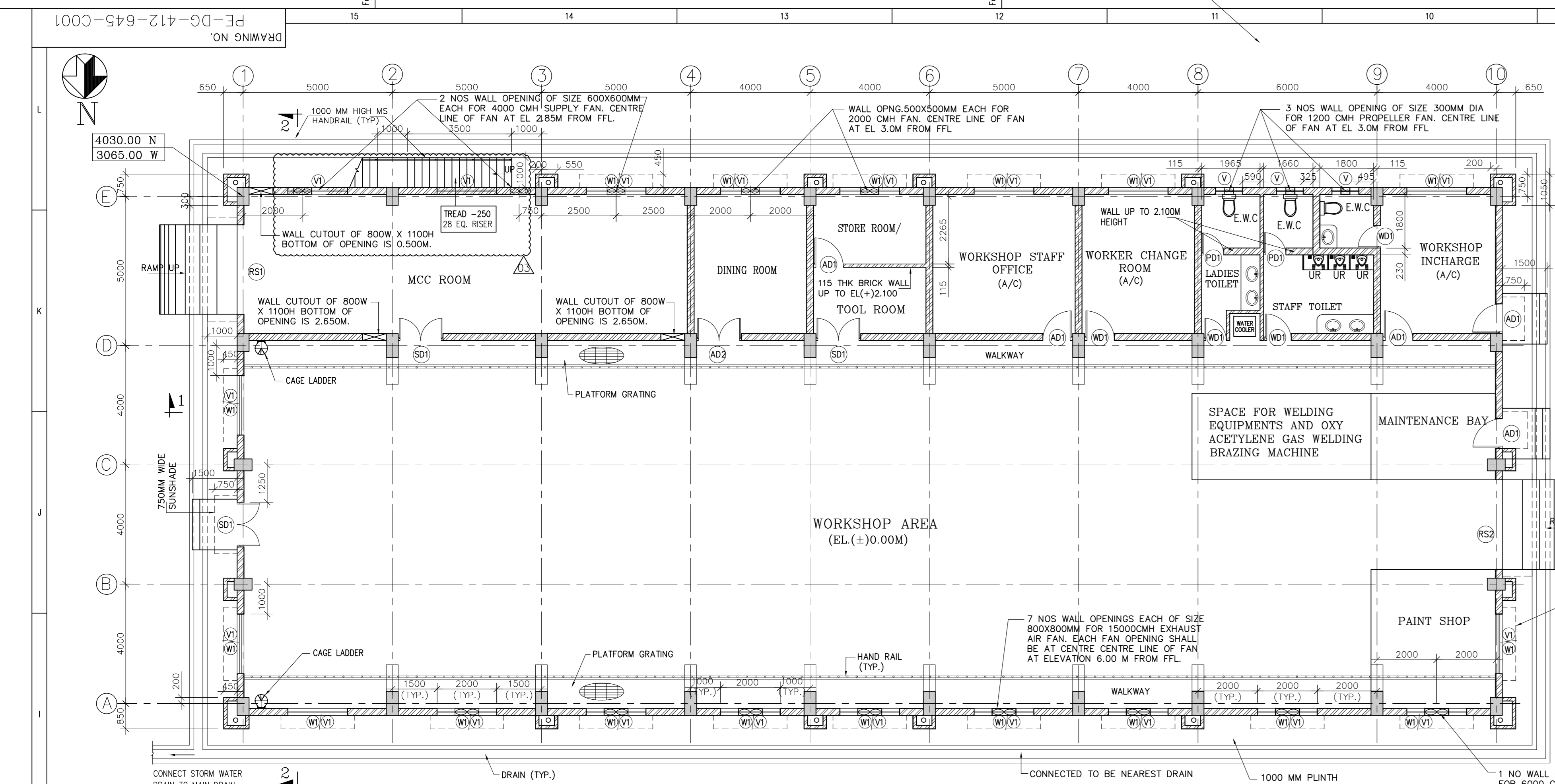
S No	Clause No	Bidder query	BHEL's Reply
1	VOLUME-IA PART-II CHAPTER – 9 Drawings	With reference to the above tender, we would request your good-self to kindly share the following working drawings/ G.A drawing for submitting our most competitive offer. 1) Workshop building 2) Service building 3) Administrative building 4) Canteen building 5) Fire station building We would also request you to share the section drawings for the above buildings.	Requisite drawings are attached in the next 9 pages. 1) Workshop building – 1 page 2) Service building – 3 pages 3) Administrative building – 3 pages 4) Canteen building – 1 page 5) Fire station building – 1 page Attached drawings are meant only for preliminary information. Drawings are liable to change in the course of construction.

NOTE:

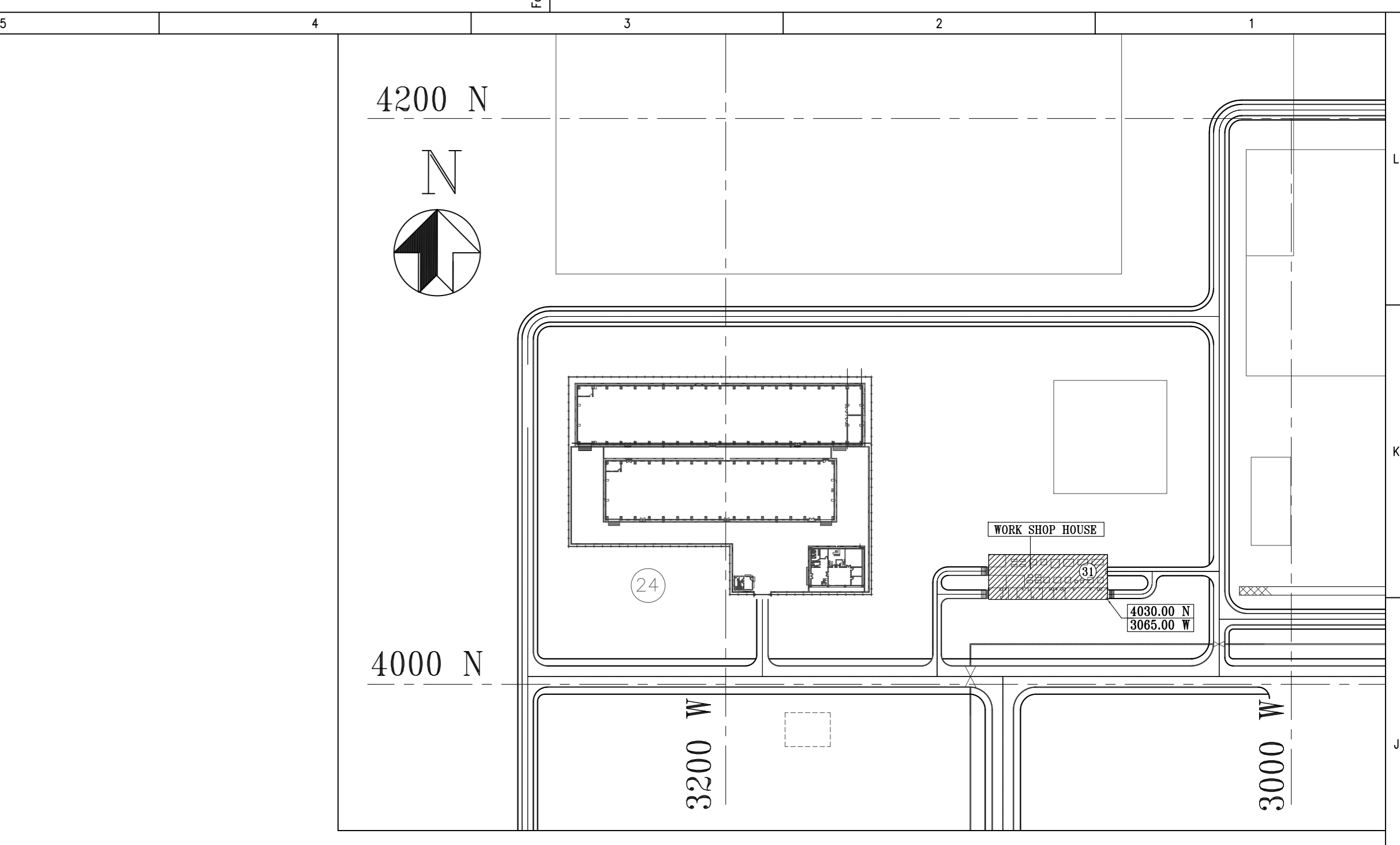
1. ALL OTHER CONDITIONS REMAIN UNCHANGED.
2. BIDDERS ARE REQUESTED TO CONSIDER THIS CORRIGENDUM AS PART OF TENDER SPECIFICATION AND QUOTE ACCORDINGLY.

Encl: Drawings (9 pages)

-sd-
R.Siva
Dy. Manager/SCT

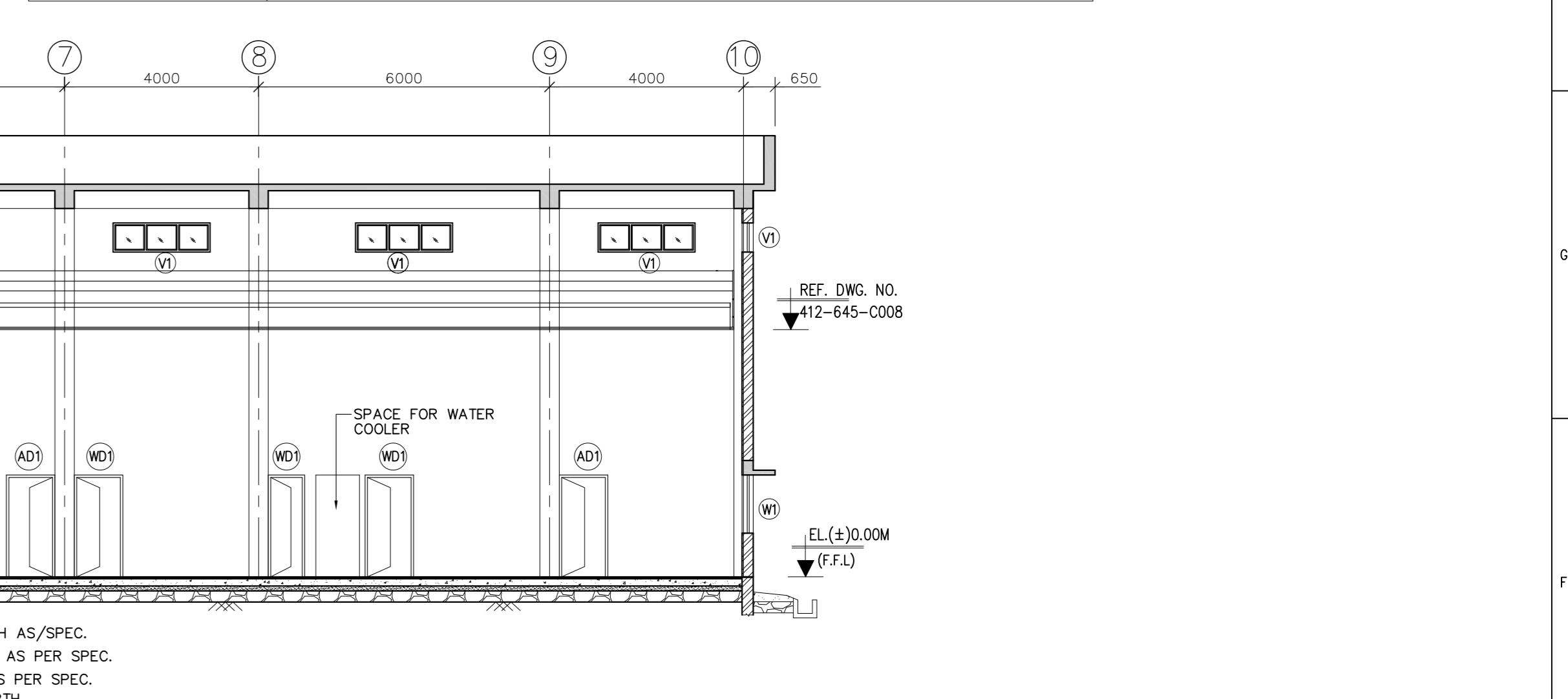


SYMBOL	MASONRY OPENING	SILL LEVEL AT EL.	LINTEL AT EL.	REMARKS
(S1)	3000 x 3000	-	EL. (+)3.00M	STEEL ROLLING SHUTTER
(S2)	3000 x 4000	-	EL. (+)4.00M	STEEL ROLLING SHUTTER
(S3)	1500 x 2100	-	EL. (+)2.10M	HOLLOW METAL (STEEL) FLUSH DOOR AS PER SPECIFICATION
(A1)	1200 x 2100	-	EL. (+)2.10M	ALUMINIUM GLAZED DOOR WITH 6MM THK. FLOAT GLASS
(A2)	1500 x 2100	-	EL. (+)2.10M	ALUMINIUM GLAZED DOOR WITH 6MM THK. FLOAT GLASS
(M1)	900 x 2100	-	EL. (+)2.10M	ANODIZED ALUMINIUM FRAMED DOOR WITH PRE-LAMINATED PARTICLE BOARD
(P1)	750 x 2100	-	EL. (+)2.10M	PVC DOOR AS PER SPECIFICATION
(W1)	2000 x 1200	EL. (+)0.90M	EL. (-)32.00M	ANODIZED ALUMINIUM GLAZED WINDOW PARTLY OPENABLE PARTLY CLOSED WITH 6MM THK. WIPED GLASS
(V)	2000 x 600	EL. (+)3.400M/6.700M	EL. (+)4.00M/7.300M	ANODIZED ALUMINIUM GLAZED VENTILATOR GLAZED WITH 6 MM THK. WIPED GLASS.
(V)	900 x 600	EL. (+)3.400M	EL. (+)4.00M	ANODIZED ALUMINIUM GLAZED VENTILATOR FIXED WITH 4MM THK. GROUND GLASS.



SCHEDULE OF FINISHES :-

AREA	FLOORING	WALL	CEILING
WORKSHOP AREA / MCC ROOM TOOL ROOM/STORE ROOM	GRANULITE FLOORING WITH NON METALLIC FLOOR HARDENER	ACRYLIC WASHABLE DISTEMPER	ACRYLIC WASHABLE DISTEMPER
WORKSHOP STAFF OFFICE/ WORKSHOP INCHARGE/ WORKER CHANGE ROOM/DINING ROOM	HEAVY DUTY CERAMIC TILES	ACRYLIC EMULSION PAINT	GYPSON BOARD FALSE CEILING
DINING ROOM	HEAVY DUTY CERAMIC TILES	ACRYLIC WASHABLE DISTEMPER	ACRYLIC WASHABLE DISTEMPER
TOILETS	ANTI SKID CERAMIC TILES OF MATT FINISH	GLAZED CERAMIC TILES UP TO 2.1M & ACRYLIC WASHABLE DISTEMPER FOR BALANCE HEIGHT.	ACRYLIC WASHABLE DISTEMPER
EXTERNAL WALL/ SUNSHADE	WATER PROOF CEMENT BASED PAINT		



- NOTES :-**
- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS IN METERS UNLESS NOTED.
 - STANDARD DETAILS FOR ARCHITECTURAL WORKS----- PE-DG-412-611-C031
 - UNLESS NOTED OTHERWISE WINDOW / DOOR/ ROLLING SHUTTER LOCATION SHALL BE AT CENTER BETWEEN GRIDS.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
 - UNDERDECK INSULATION IN A/C AREA SHALL BE PROVIDED AS PER SPEC.
 - ALL GROUND FLOOR WINDOWS SHALL BE PROVIDED WITH GRILL.

- REFERENCE DRGS :-**
1. PLOT PLAN ----- PE-DG-412-100-M001
 2. STANDARD DETAILS FOR ARCHITECTURAL WORKS----- PE-DG-412-611-C031
 3. BASIC LAYOUT CONCEPT OF WORKSHOP BUILDING ----- PE-DG-412-568-001
 4. WORK SHOP BLDG. - LAYOUT AND R.C. DTLS OF FDN ----- PE-DG-412-645-C002
- LEGENDS :-**
- T.O.C ---- TOP OF CONCRETE
 - F.G.L ---- FINISHED GROUND LEVEL
 - F.F.L ---- FINISHED FLOOR LEVEL
 - COLOR TO BE MATCHED WITH RAL-5012
 - COLOR TO BE MATCHED WITH RAL-9002

SHEL-PROJECT ENGINEERING MANAGEMENT(OVL)
 THIS DRAWING MARKED (✓) IS RELEASED FOR
 COMMENTS/APPROVAL
 PLANNING/INFORMATION
 CONSTRUCTION
 STAMP ALL PREVIOUS REVISION AS SUPERSEDED
 ISSUED BY
 NAME: SOMNATH MISHRA
 SIGNATURE: _____
 DATE: 15 DECEMBER 2017

PROJECT 2x660 MW ENnore SEZ COAL BASED STPP AT ASH DYKE OF NCTPS, CHENNAI

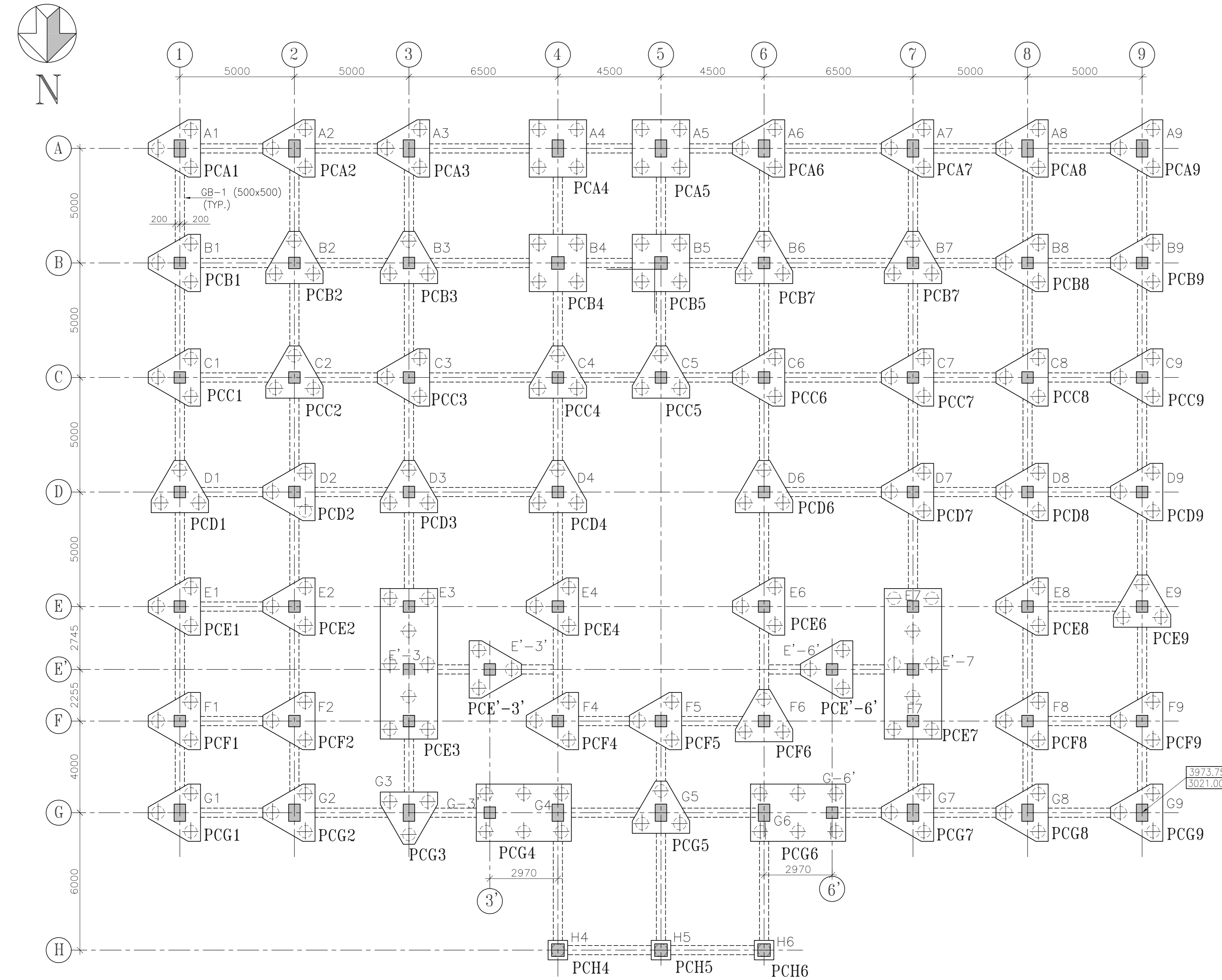
OWNER: TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED

OWNER'S CONSULTANT: DESEIN PRIVATE LIMITED
 DESEIN HOUSE, GREATER KAILASH-II, NEW DELHI

CLIENT: BHARAT HEAVY ELECTRICALS LTD
 POWER SECTOR
 PROJECT ENGINEERING MANAGEMENT
 NEW DELHI

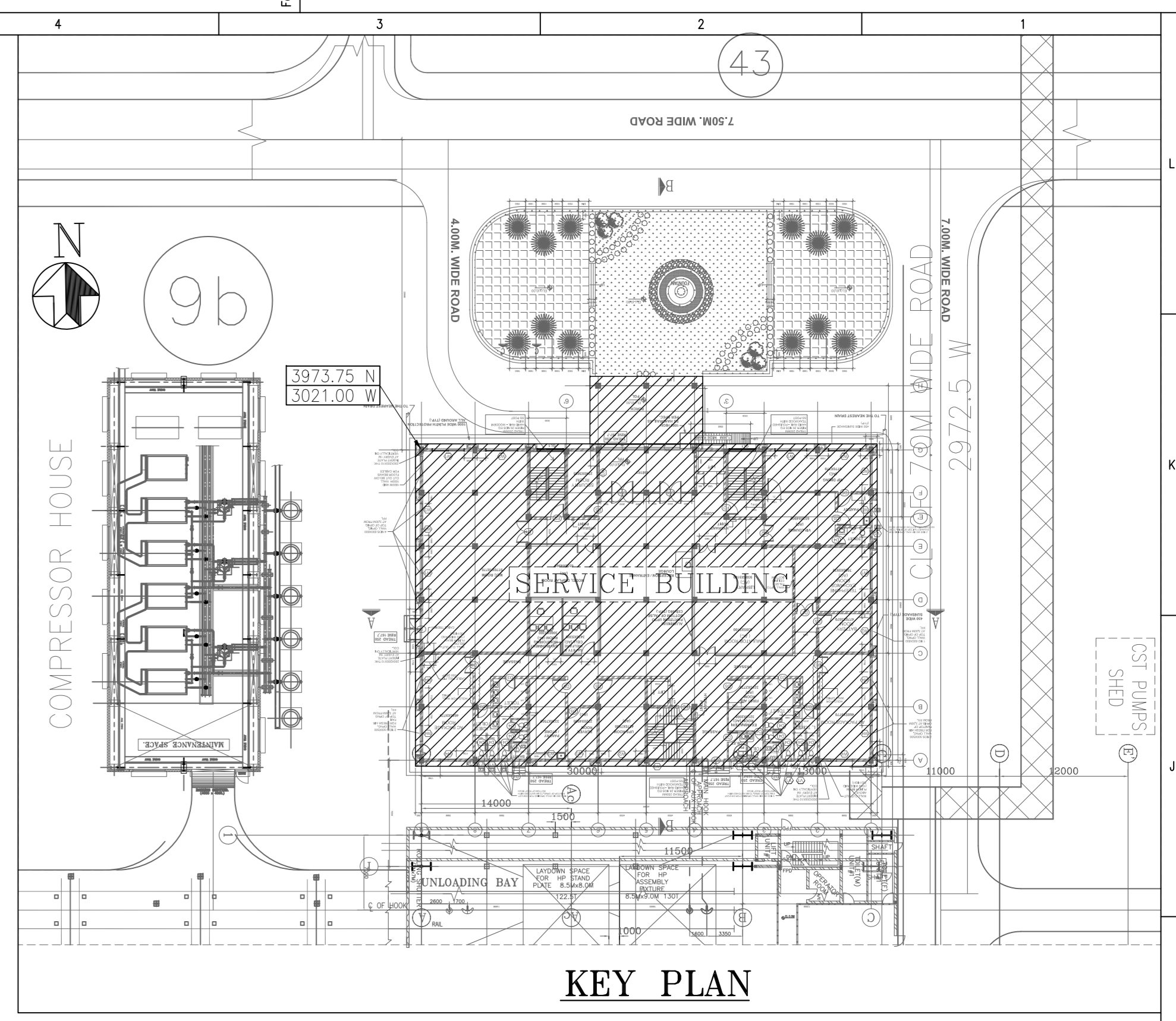
JOB NO: 412
STATUS: CONTRACT
DRG./REF. NO. (INTERNAL): _____
PRINT SCALE IN METRE: _____

DATE: 18.07.17
APPD: _____
REV: 01
DATE: 15.12.17
APPD: _____
REV: 02
DATE: 10.10.17
APPD: _____
REV: 03
DATE: 10.10.17
APPD: _____
REV: 04
DATE: 10.10.17
APPD: _____
REV: 05
DATE: 10.10.17
APPD: _____
REV: 06
DATE: 10.10.17
APPD: _____
REV: 07
DATE: 10.10.17
APPD: _____
REV: 08
DATE: 10.10.17
APPD: _____
REV: 09
DATE: 10.10.17
APPD: _____
REV: 10
DATE: 10.10.17
APPD: _____
REV: 11
DATE: 10.10.17
APPD: _____
REV: 12
DATE: 10.10.17
APPD: _____
REV: 13
DATE: 10.10.17
APPD: _____
REV: 14
DATE: 10.10.17
APPD: _____
REV: 15
DATE: 10.10.17
APPD: _____
REV: 16
DATE: 10.10.17
APPD: _____
REV: 17
DATE: 10.10.17
APPD: _____
REV: 18
DATE: 10.10.17
APPD: _____
REV: 19
DATE: 10.10.17
APPD: _____
REV: 20
DATE: 10.10.17
APPD: _____



SCHEDULE OF FOUNDATION

Group Marked	A	B	D	Along A-A		Along B-B	
	mm	mm	mm	Bottom (a)	Top (b)	Bottom (c)	Top (d)
PCA1, PCG9	2500	2280	1400	20 Y 120	20 Y 120	20 Y 120	20 Y 120
PC9A	2500	2280	1450	20 Y 120	20 Y 120	20 Y 120	20 Y 120
PCB4, PCB5	2500	2500	1500	25 Y 180	25 Y 180	25 Y 180	25 Y 180
PCE7	6570	2500	1500	25 Y 180	25 Y 180	25 Y 180	25 Y 180
PC9B, PCF1	2500	2280	1500	25 Y 180	25 Y 180	25 Y 180	25 Y 180
PCB1, PCB9, PCC1, PCC9, PCD1, PCD9, PCE8, PCE8, PCF2, PCF4, PCF5, PCF6, PCF9, PCG1, PCG2, PCG3 & PCG5	2500	2280	1600	25 Y 160	25 Y 160	25 Y 160	25 Y 160
PCA4, PCA5	2500	2500	1600	25 Y 160	25 Y 160	25 Y 160	25 Y 160
PCG4, PCG6	4150	2500	1500	25 Y 160	25 Y 160	25 Y 160	25 Y 160
PCA2, PCA7, PCAB, PCF8, PCG8	2500	2280	1650	25 Y 160	25 Y 160	25 Y 160	25 Y 160
PCA3, PCA6 PCE'3', PCE'6'	2500	2280	1700	25 Y 150	25 Y 150	25 Y 150	25 Y 150
PCB2, PCB3, PCB6, PCB8, PCC2, PCC3, PCC4, PCC5, PCC6, PCC7, PCC8, PCD2, PCD3, PCD4, PCD6, PCD7, PCE1, PCE2, PCE4 & PCE5	2500	2280	1750	25 Y 150	25 Y 150	25 Y 150	25 Y 150
PCE3	6570	2500	1600	25 Y 160	25 Y 160	25 Y 160	25 Y 160
PCB7, PCG7	2500	2280	1800	25 Y 150	25 Y 150	25 Y 150	25 Y 150
PCH4, PCH5, PCH6	850	850	1250	20 Y 150	20 Y 150	20 Y 150	20 Y 150



IMP. NOTE
 FOR GROUND IMPROVEMENT IN SERVICE BUILDING FOUNDATION AREA REFER DRG. NO. PE-DG-412-640-C034
 GROUND IMPROVEMENT AS PER DRG. NO. PE-DG-412-640-C034 TO BE DONE AFTER INSTALLATION OF DRIVEN CAST IN SITU RCC PILES.

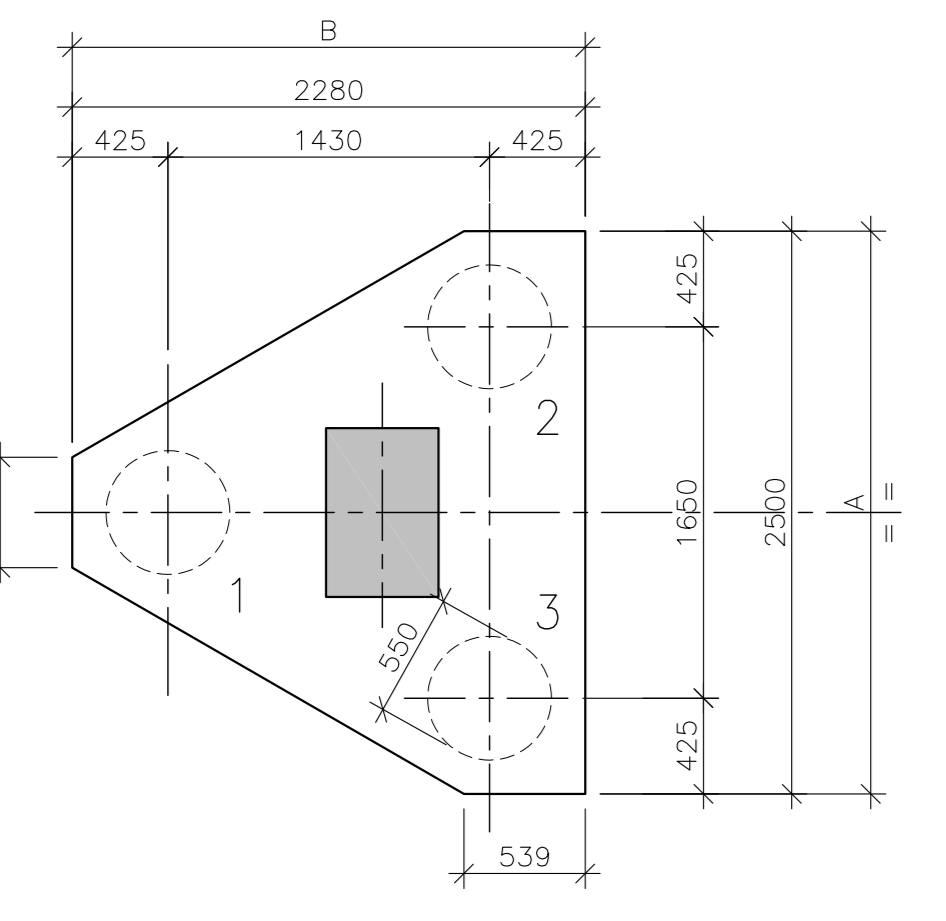
- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS IN METERS UNLESS NOTED.
 - ALL ELEVATIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL +10.00 M. ABOVE MEAN SEA LEVEL.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
 - ALL STRUCTURAL CONCRETE SHALL BE DESIGN MIX CONC. OF GRADE M-30 UNLESS OTHERWISE NOTED.
 - ALL REINFORCEMENTS SHALL BE HIGH STRENGTH DEFORMED BARS OF MINIMUM GRADE Fe500 CONFORMING TO IS:1786 (LATEST), AND SHALL BE FUSION BONDED EPOXY COATING CONFORMING TO IS:13620.
 - REF. DRG. PE-DG-412-600-C001 - GENERAL NOTES AND STANDARD DETAILS FOR R.C.C. WORKS.
 - BACK FILLING SHALL HAVE TO BE DONE ENSURING PROPER COMPACTION AND STRICTLY AS PER SPECIFICATION AND IT SHOULD BE COMPLETED BEFORE TAKING UP ERECTION WORK.
 - NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL EL(-)2.50M IS 10T/SQM. AFTER GROUND IMPROVEMENT.
 - CLEAR COVER OF PILE CAP 75 MM.
 - CEMENT SHALL BE OPC WITH C3A CONTENT FROM 5% TO 8%.
 - PILES HAVE BEEN SIZED BASED ON THE FOLLOWING SAFE LOAD CARRYING CAPACITY OF PILE.

PILE DIA. (mm)	VERTICAL LOAD CAPACITY (T)	TENSILE LOAD CAPACITY (T)	LATERAL LOAD CAPACITY (M)	CUTOFF LEVEL (M)	PILE QNTY.
550	100	30	6.25	(-)3.500	203

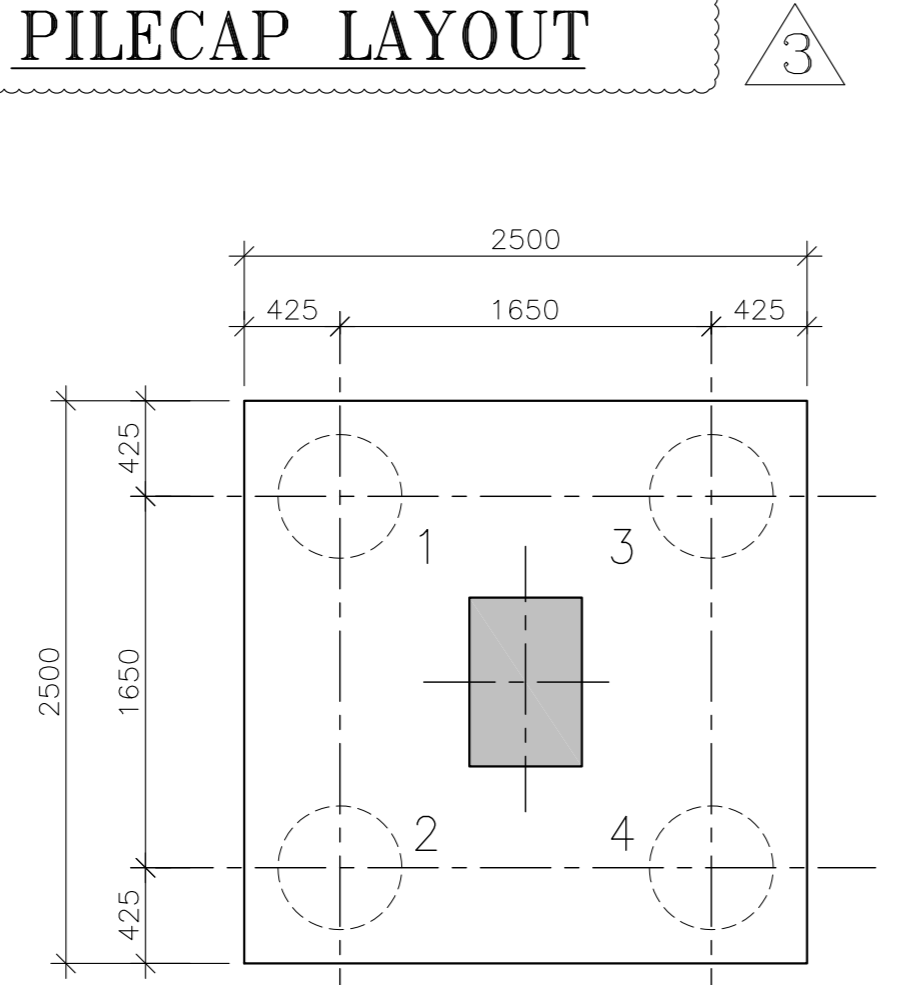
- REF. DWG.**
- PLOT PLAN-----PE-DG-412-100-M001 (R2)
 - GENERAL NOTES & STANDARD DETAILS FOR R.C.C. WORKS-----PE-DG-412-600-C001 (R3)
 - ARCH. PLAN AT EL±0.000M-----PE-DG-412-640-C001 (R3)
 - R/C DETAILS OF 550MM DIAMETER JOB PILE-----PE-DG-412-607-C004 (R1)

LEGEND
 550mm DRIVEN CAST IN SITU PILE

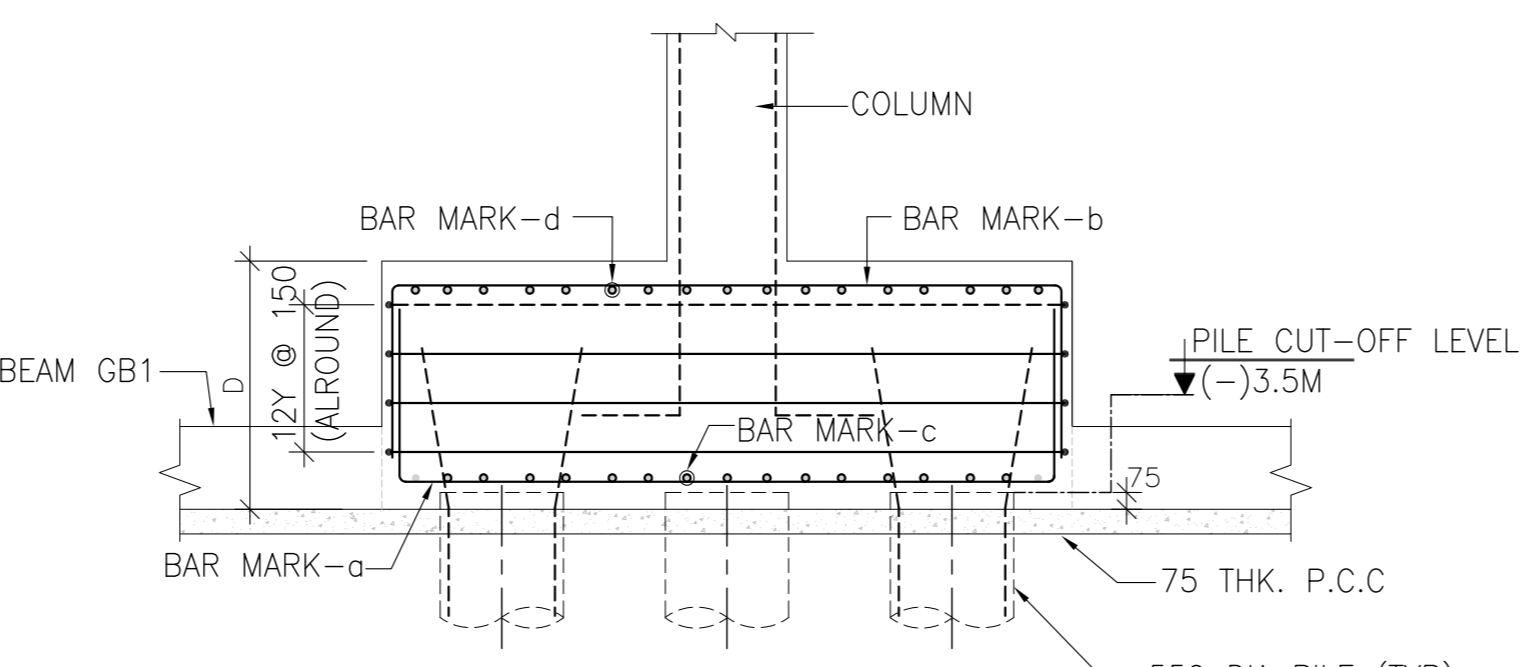
THIS DRAWING SHALL BE READ IN CONJUNCTION WITH PE-DG-412-640-C017/PE-DG-412-640-C018



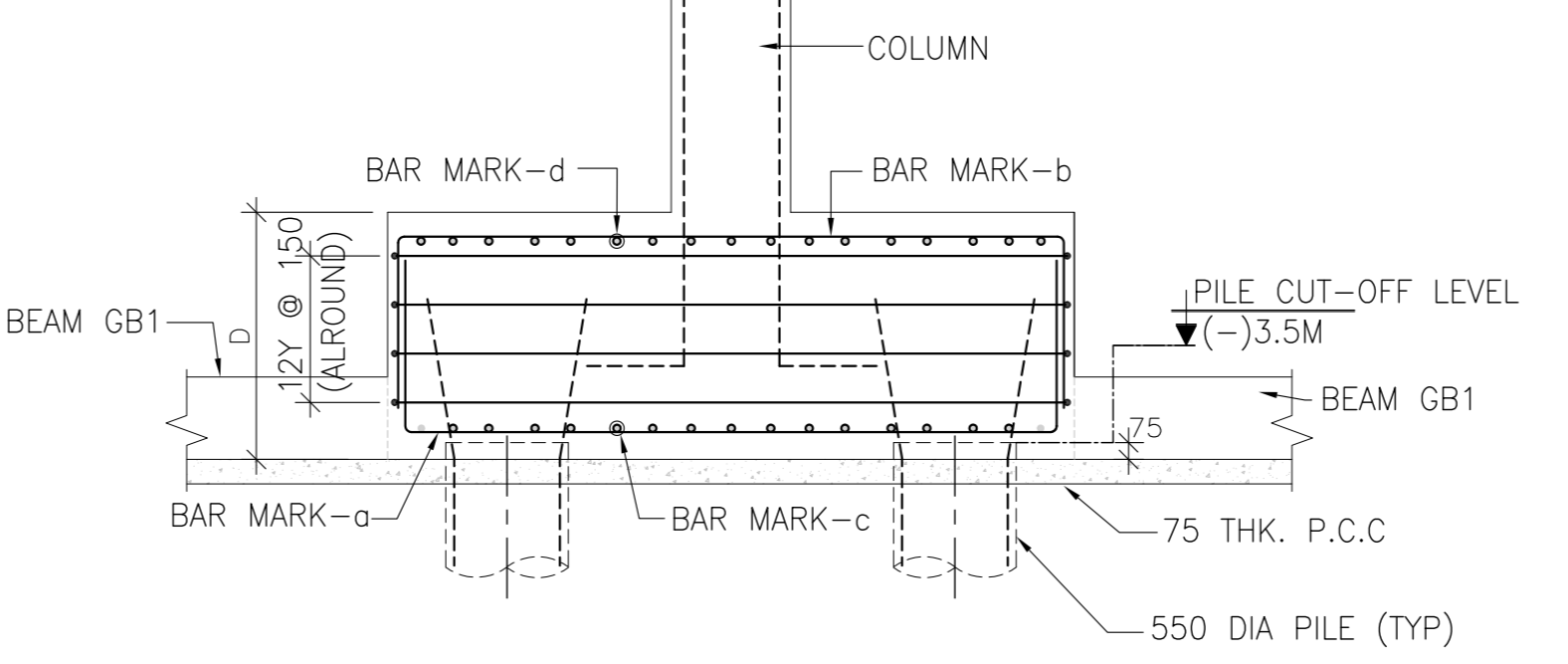
PLAN TYP. DETAIL OF PILE CAP
 (FOR ORIENTATION REFER PLAN)
 (PILE NUMBER SHALL BE READ FROM LEFT TO CLOCKWISE FOR ALL TRIANGULAR PILE CAP)



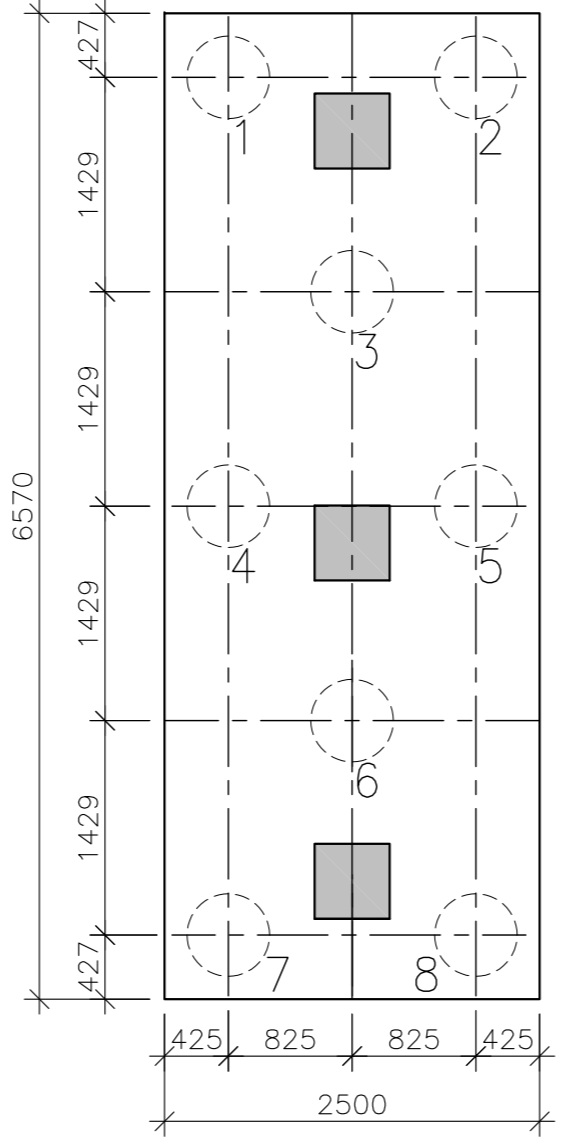
PLAN TYP. DETAIL OF PILE CAP
 (FOR PILE CAP PCA4, PCA5, PCB4, PCB5)



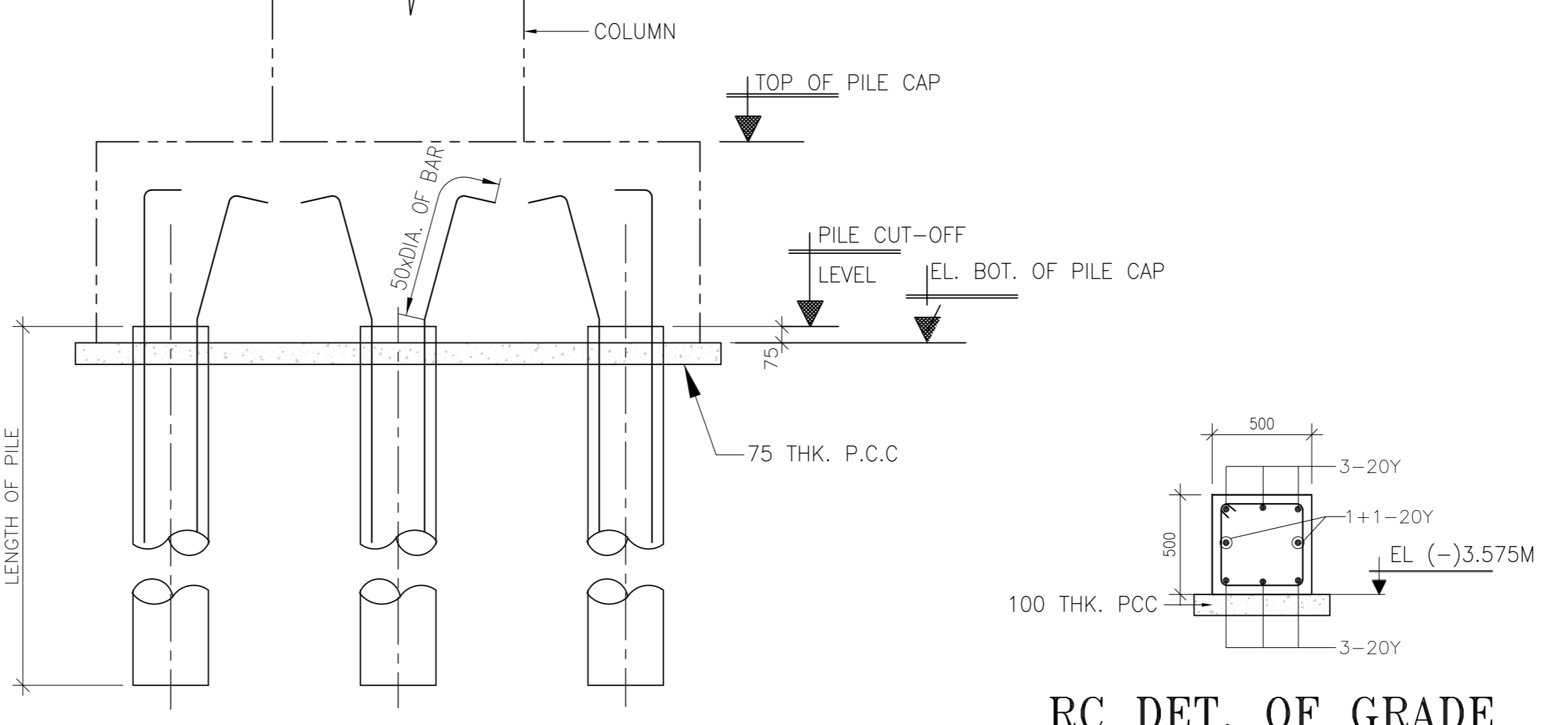
SECTION 1-1
 (COLUMN & PILE R/F NOT SHOWN FOR CLARITY)



SECTION 1a-1a
 (COLUMN & PILE R/F NOT SHOWN FOR CLARITY)



PLAN TYP. DET. OF PILE CAP AND PILE CUT-OFF
 (FOR PILE CAP PCG4 & PCG6)



RC DET. OF GRADE BEAM MKD. GB1

QTY. OF CONCRETE= 510 CUM. (APPROX)
 QTY. OF STEEL= 75 M.T. (APPROX)

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)
 THIS DRAWING MARKED/IS RELEASED FOR COMMENTS/APPROVAL
 PLANNING/INFORMATION
 CONSTRUCTION
 STAMP ALL PREVIOUS REVISION AS SUPERSEDED
 ISSUED BY
 NAME SOMNATH MISHRA
 SIGNATURE
 DATE 11 SEPTEMBER 2017

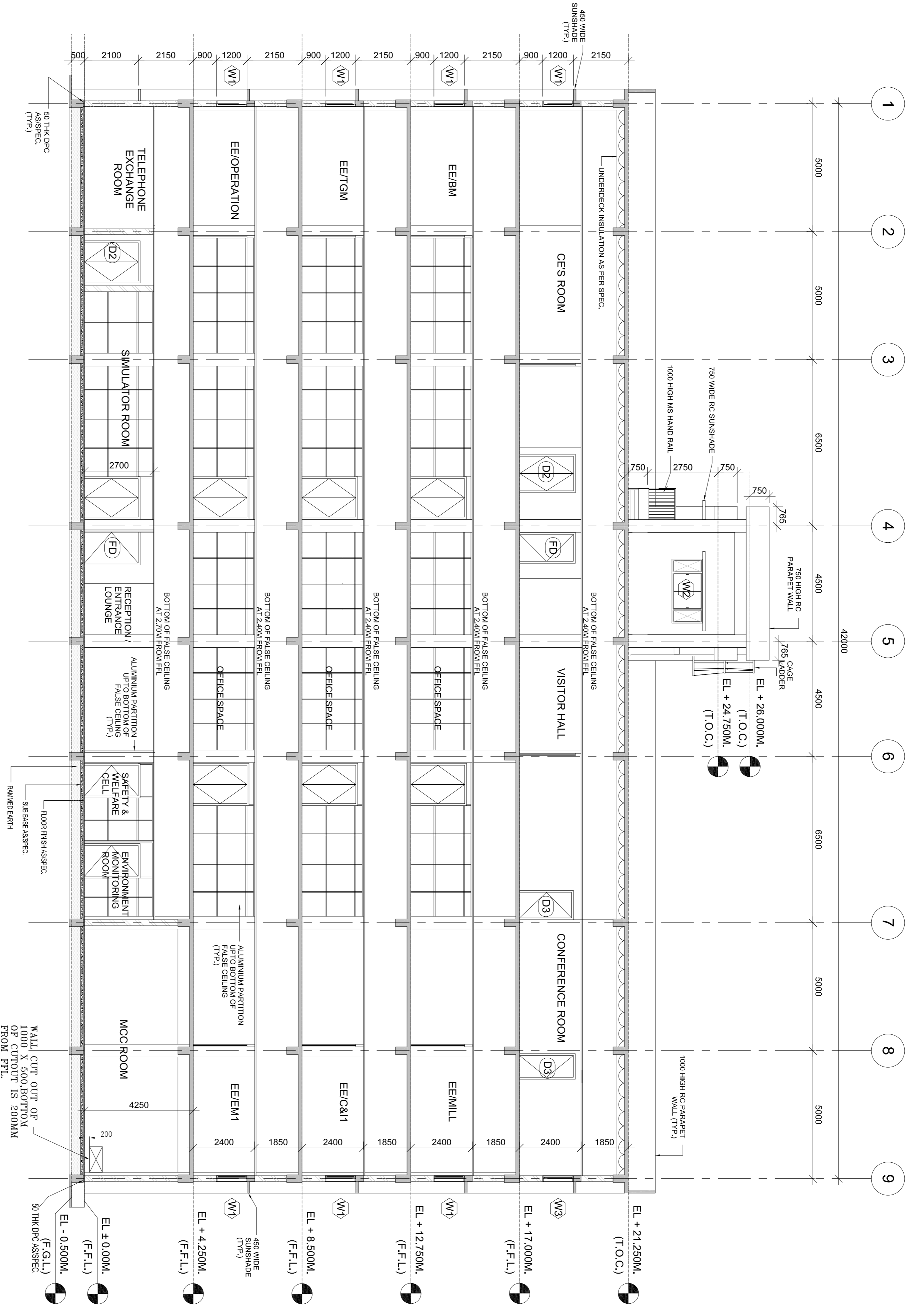
PROJECT	2x660 MW ENnore SEZ COAL BASED STPP AT ASH DYKE OF NCTPS, CHENNAI	
OWNER:	TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED	
OWNER'S CONSULTANT:	DESEIN PRIVATE LIMITED DESEIN HOUSE, GREATER KAILASH-II, NEW DELHI	
DESIGNER:	BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NEW DELHI	
DATE	20.06.17	11.09.17
STATUS	CONTRACT	
DRG./REF. NO. (INTERNAL)		
PRINT SCALE IN METRE		
TITLE:	SERVICE BUILDING GA & RC DETAILS OF FOUNDATION	
DRAWING NO.	PE-DG-412-640-C016	
SHEET	1 OF 1	REV. 3

COPY RIGHT AND CONFIDENTIAL. The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used or reproduced in any way without the written permission of the company.

REV.	DATE	BY	CHKD.	APPD.	REASON
01	11.09.17	SM	SM	SM	REVISED AS PER CUSTOMER TANGIBLE COMMENT
02	01.08.17	SM	SM	SM	REVISED AS PER CUSTOMER TANGIBLE COMMENT
03	11.09.17	SM	SM	SM	REVISED AS PER LATEST COLUMN LAYOUT AND MTD AS

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM



SECTION 1-1

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATION
2. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M.
3. ALL ELEVATIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL. +10.00 M.

ARCH. REF. DWG.

1. PLOT PLAN ----- PE-DG-412-100-M001
2. ARCH. PLAN AT EL.+0.000M ----- PE-DG-412-640-C001
3. ARCH. PLAN AT EL.+4.250M ----- PE-DG-412-640-C002
4. ARCH. PLAN AT EL.+12.750M ----- PE-DG-412-640-C004
5. ARCH. PLAN AT EL.+17.000M ----- PE-DG-412-640-C005
6. DOOR WINDOWS AND FINISHING SCHEDULE ----- (SH. 2 OF 2)
7. WINDOWS DETAILS ----- PE-DG-412-640-C013
8. DOOR AND PARTITION DETAILS ----- PE-DG-412-640-C014
9. TOILET DETAILS ----- PE-DG-412-640-C015
10. FOR GENERAL NOTES REFER DRAWING NO. ----- PE-DG-412-611-C0031
11. ARCH. PLAN AT EL.+8.50M ----- PE-DG-412-640-C003
12. SERVICE BUILDING - WEST ELEVATION ----- PE-DG-412-640-C007
13. SERVICE BUILDING - EAST SIDE ELEVATION ----- PE-DG-412-640-C009
14. SERVICE BLDG. - SECTION 2-2 ----- PE-DG-412-640-C010
15. SERVICE BUILDING - NORTH ELEVATION ----- PE-DG-412-640-C011
16. SERVICE BUILDING - SOUTH ELEVATION ----- PE-DG-412-640-C012
17. SERVICE BUILDING - STRUCTURAL DRS. ----- PE-DG-412-640-C016 TO PE-DG-412-640-C034
18. VENTILATION OPENING DRAWING ----- PE-VD-412-553-4506
19. LAYOUT & DETAIL OF PARKING SHED ----- PE-DG-412-641-C030

LEGENDS

1. T.O.C. -----TOP OF CONCRETE
2. F.G.L. -----FINISHED GROUND LEVEL
3. B.O.L. -----BOTTOM OF LINTEL
4. F.F.L. -----FINISHED FLOOR LEVEL
5. TYP -----TYPICAL
6. THK. -----THICK
7. LIV. -----LEVEL
8. SS -----STAINLESS STEEL

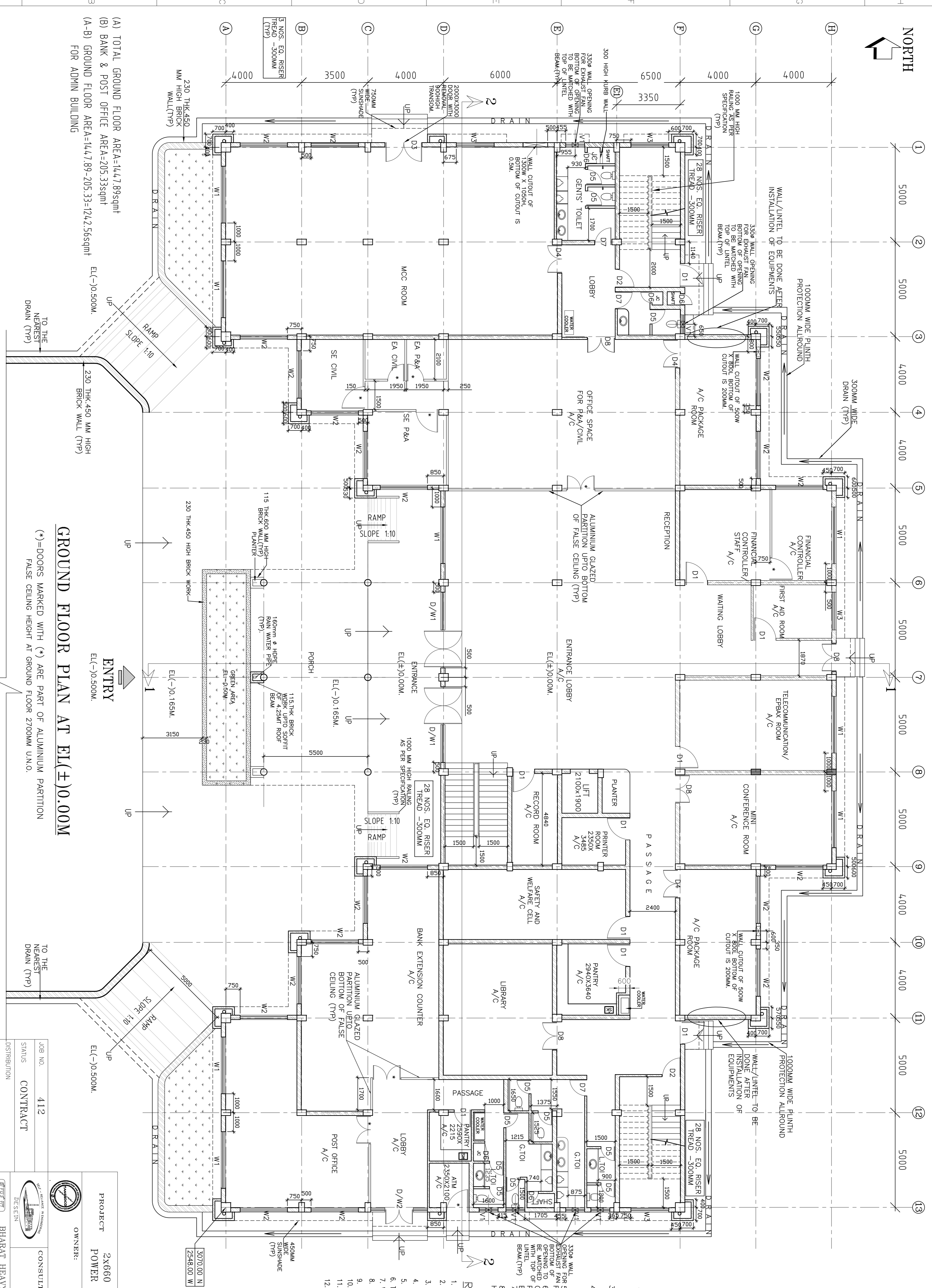
NAME	SIGNATURE	DATE
PROJECT ENGINEERING MANAGEMENT (P.E.M.) THE DRAWING MARKED (A) IS RELEASED FOR D WORKING/APPROVAL D CONSTRUCTION/COMPLETION Stamp All the fields as per MARK ALL THE FIELDS AS PER REFERRED	SOMNATH MISRA	17 DECEMBER 2018

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD
4	17.12.18	SHEILA	SB	AN	3	20.04.18	USHA	SB	AN
NO CHANGE									
NO CHANGE									
REVISED AS PER CUSTOMER COMMENTS AND MARKED AS									
CE/P/SE/C/TP/E3/AE/F/SERVICE BLDG./D/686/17.DT.23.06.2017									
MARKED AS/2									

JOB NO.	STATUS
412	CONTRACT

PROJECT 2X660MW ENNORE SEZ SUPERCritical THERMAL POWER PROJECT AT ASH DYKE OF NCTPS, CHENNAI	OWNER TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED
OWNER'S CONSULTANT- DESEIN PRIVATE LIMITED DESEIN HOUSE, NEW DELHI	EPC CONTRACTOR- BHARAT HEAVY ELECTRICALS LTD
TITLE SERVICE BUILDING -SECTION 1-1	DEPT. SCALE:
DR. NAME: SHEILA DESIGNED BY: SHEILA CHECKED BY: SHEILA APPROVED BY: A. NARAYAN	DR. NO: 01 DATE: 12/12/2017 SIGNATURE: A. NARAYAN
PROJECT ENGINEERING MANAGEMENT Noida	CODE: C CHD: S. PANDEY APPD: A. NARAYAN
DATE: 07.09.2015 DATE: 07.09.2015 DATE: 07.09.2015	SIGN: --S-- SIGN: --S-- SIGN: --S--

DRAWING NO.	DEPT.	SCALE:
PE-DG-412-640-C008	SIGN	
SHEET 1 OF 1	DATE	



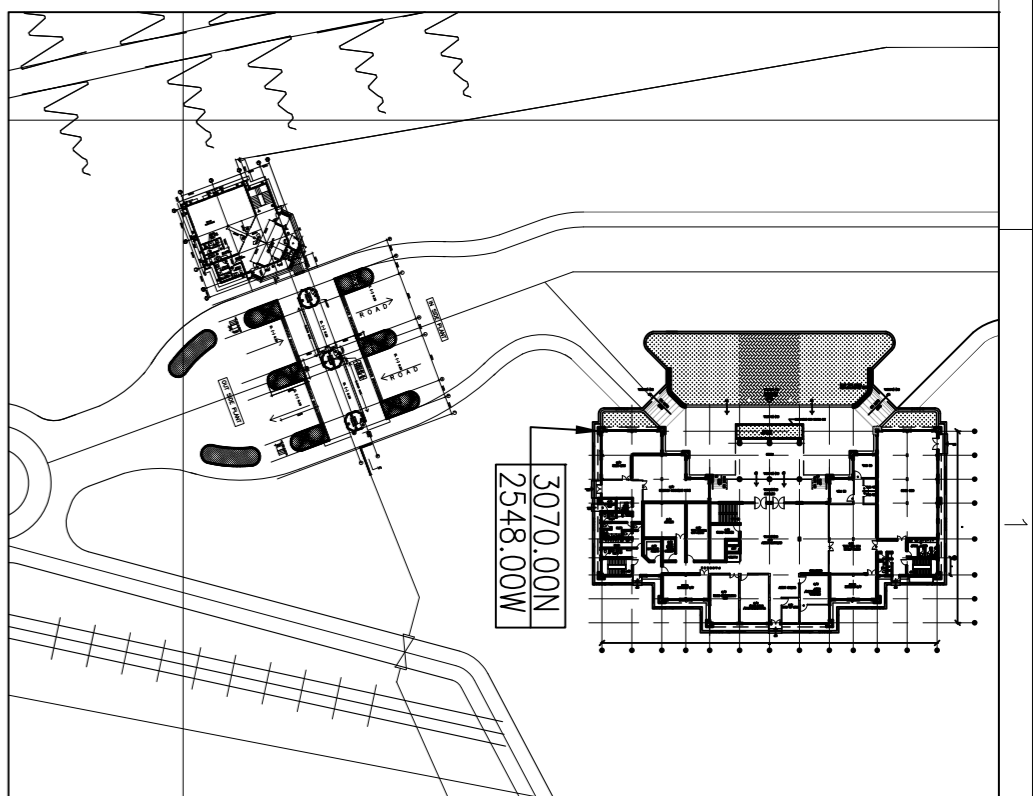
GROUND FLOOR PLAN AT EL(±)0.00M

(*)=DOORS MARKED WITH (*) ARE PART OF ALUMINIUM PARTITION
FALSE CEILING HEIGHT AT GROUND FLOOR 2700MM U.N.O.

ENTRY
EL(-)0.500M

TO THE NEAREST DRAIN (TYP)

TO THE NEAREST DRAIN (TYP)



KEY PLAN

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS IN METERS UNLESS NOTED.
 2. ALL ELEVATIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF CORRESPONDING TO RL +1.030 M.
 3. UNLESS NOTED OTHERWISE WINDOW / DOOR / ROLLING SHUTTER LOCATION SHALL BE AT CENTER BETWEEN GRIDS.
 4. CONTRACT TERMS AND CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
 5. ALUMINIUM GRILL SHALL BE PROVIDED ON ALL GROUND FLOOR WINDOWS.
 6. FURNITURE MARKED IN THE DRAWING IS TENTATIVE AND TO BE PROVIDED FOR PLANNING PURPOSE. LOUD SPEAKER SYSTEMS, BELLNESSER EQUIPMENTS, ALL SHALL BE PROVIDED BY CLIENT.
 7. ALL AREAS MARKED WITH A/C SHALL HAVE FALSE CEILING.
 8. INTERNAL WALLS OF TOILET SHALL BE 115 THK. AND 2200 HIGH.

REFERENCE DRAWINGS:-

1. PLOT PLAN ----- PE-06-412-100-M01
2. ARCH. PLAN AT EL+4.25M ----- PE-06-412-641-0002
3. ARCH. PLAN AT EL+8.50M ----- PE-06-412-641-0003
4. WINDOW, DOOR & PARTITION DETAIL ----- PE-06-412-641-0011
5. FINISHING SCHEDULE ----- PE-06-412-641-0012
6. TOILET DETAIL ----- PE-06-412-641-0013
7. WEST ELEVATION ----- PE-06-412-641-0005
8. SECTION 1-1 ----- PE-06-412-641-0006
9. EAST ELEVATION ----- PE-06-412-641-0007
10. SECTION 2-2 ----- PE-06-412-641-0008
11. NORTH ELEVATION ----- PE-06-412-641-0009
12. SOUTH ELEVATION ----- PE-06-412-641-0010

BHEL-PROJECT ENGINEERING MANAGEMENT (O&M)	
THIS DRAWING (MARKED /) IS RELEASED FOR	
<input type="checkbox"/> COMMENTS / APPROVAL	
<input type="checkbox"/> PLANNING / INFORMATION	
<input type="checkbox"/> CONSTRUCTION	
STAMP ALL PREVIOUS REVISION AS SUPERSEDED	
ISSUED BY	SOMNATH MISHRA
SIGNATURE	
DATE	21.12.17

OWNER: TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED

CONSULTANT: DESEIN PRIVATE LIMITED
DESEIN HOUSE, NEW DELHI

PROJECT: 2x660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT AT ASH DYKE OP NCPSS, CHENNAI

CONTRACT STATUS: CONTRACT

JOB NO.: 412

DISTRIBUTION:

TO	NO. OF	DATE	BY	REASON

ADMINISTRATIVE BUILDING ARCHITECTURAL PLAN AT EL(±)0.00M

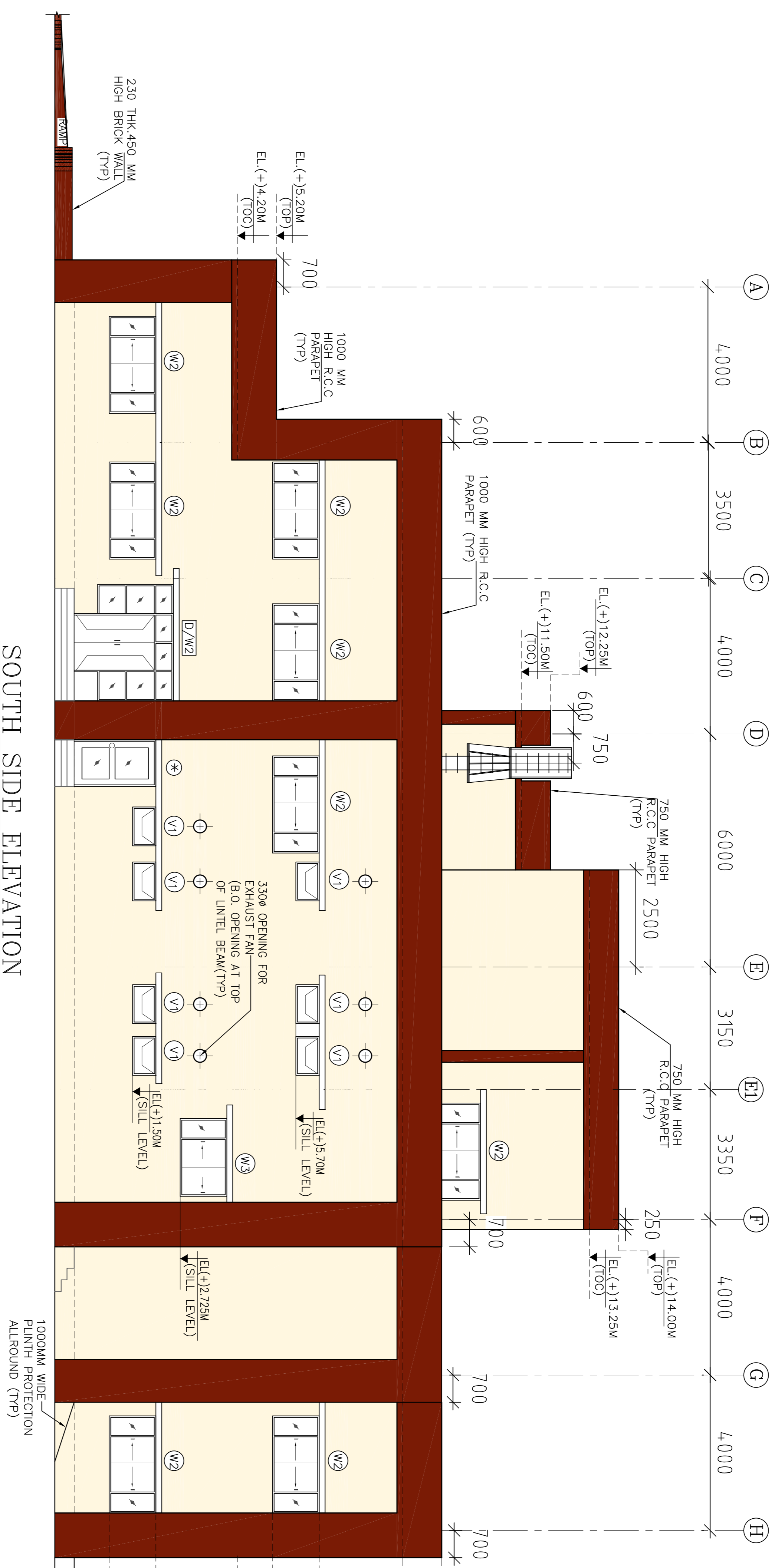
REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO
4	21.12.17		USA	NO	3	04.05.17		USA	SB	2	21.12.16		USA	AN	1	30.06.15		USA	SB

REVISIONS:

- 4. REVISION AS PER US NO. DT:29.05.2017
- 3. REVISION AS PER COMMENTS DISCUSSED IN MEETING HELD WITH TANGADGO & DESHIN 28.09.2017
- 2. REVISION AS PER CUSTOMER'S COMMENTS AND MARKED AS
- 1. REVISION AS PER CUSTOMER'S COMMENTS AND MARKED AS

DEPT. SCALE: PE-DG-412-641-C001

SHEET 1 OF 1 REV. 4



SOUTH SIDE ELEVATION

- NOTE**
 1. FOR GENERAL NOTES REFER DRAWING NO. ---PE-DG-412-611-C031
- REFERENCE DRAWINGS:-**
1. ARCH. PLAN AT EL.+0.00M ----- PE-DG-412-641-C001
 2. ARCH. PLAN AT EL.+4.25M ----- PE-DG-412-641-C002
 3. ARCH. PLAN AT EL.+8.50M ----- PE-DG-412-641-C003
 4. WINDOW, DOOR & PARTITION DETAIL----- PE-DG-412-641-C011
 5. FINISHING SCHEDULE ----- PE-DG-412-641-C012
 6. TOILET DETAIL----- PE-DG-412-641-C013
 7. SECTION 1-1 ----- PE-DG-412-641-C006
 8. EAST SIDE ELEVATION----- PE-DG-412-641-C007
 9. SECTION 2-2 ----- PE-DG-412-641-C008
 10. NORTH SIDE ELEVATION----- PE-DG-412-641-C009
 11. WEST SIDE ELEVATION----- PE-DG-412-641-C005

LEGENDS

S.NO	LEGEND	DESCRIPTION
1.	T.O.P	TOP OF PARAPET
2.	B.O.L	BOTTOM OF LINTEL
3.	TYP	TYPICAL
4.	THK	THICK
5.	FGL	FLOOR GROUND LEVEL
6.	FFL	FINISH FLOOR LEVEL
7.	LVL	LEVEL
8.	T.O.C	TOP OF CONCRETE

- LEGENDS**
- SHADE OF EXTERIOR PAINT SHALL BE COMBINATION OF BEIGE COLOUR OF APPROVED MAKE
 - SHADE OF EXTERIOR PAINT SHALL BE COMBINATION OF TERRACOTA RED OF APPROVED MAKE
- * COLOUR SCHEME SHOWN IN DRAWING IS TENTATIVE. FINAL COLOUR SCHEME TO BE DECIDED BY CUSTOMER AT SITE.

BHEL-PROJECT ENGINEERING MANAGEMENT(CM)

THIS DRAWING MARKED (C) IS RELEASED FOR

COMMENTS/APPROVAL
 PLANNING/INFORMATION
 CONSTRUCTION

STAMP: ALL PREVIOUS REVISION AS SUPERSEDED

ISSUED BY: SOMNATH MISHRA
 SIGNATURE: _____
 DATE: 04.09.17

DRAWING APPROVE IN CAT 'A' WITH REFERENCE TO MAIL RECEIVED FROM SE/C/TP, TANGEDCO DATED 12.12.2017. COLOR SCHEME TO BE APPROVED BY TANGEDCO.

REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO

OWNER: TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED

CONSUANTANT: DESEIN PRIVATE LIMITED
 DESEIN HOUSE, NEW DELHI

PROJECT: 2x660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT AT ASH DYKE OP NCTPS, CHENNAI

DISTRIBUTION STATUS: CONTRACT

JOB NO.: 412

DEPT: DRN USHA
DESIGN SB: C
CHD: S.MISHRA
APPO: ANBARAVAN

DATE: 04.09.2017

ADMINISTRATIVE BUILDING SOUTH SIDE ELEVATION

DRAWING NO.: PE-DG-412-641-C010

SHEET 1 OF 1

REV. 0

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS IN METERS UNLESS NOTED.
 2. ALL ELEVATIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL. +10.00 M.
 3. UNLESS NOTED OTHERWISE WINDOW / DOOR / ROLLING SHUTTER LOCATION SHALL BE AT CENTER BETWEEN GRIDS.
 4. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
 5. ALUMINIUM GRILL SHALL BE PROVIDED ON ALL GROUND FLOOR WINDOWS.
 6. FURNITURE MARKED IN THE DRAWING IS TENTATIVE AND ONLY FOR PLANNING PURPOSE. LOUD SPEAKER SYSTEMS, PROJECTOR EQUIPMENTS, ALL SHALL BE PROVIDED BY BHEL-PSR.

REFERENCE DRAWINGS:-

1. PLOT PLAN ----- PE-06-412-100-0001
2. ARCH. PLAN AT EL.+4.25M ----- PE-06-412-641-0002
3. ARCH. PLAN AT EL.+8.50M ----- PE-06-412-641-0003
4. WINDOW, DOOR & PARTITION DETAIL----- PE-06-412-641-0011
5. FINISHING SCHEDULE ----- PE-06-412-641-0012
6. TOILET DETAIL----- PE-06-412-641-0013
7. WEST ELEVATION----- PE-06-412-641-0005
8. EAST ELEVATION----- PE-06-412-641-0007
9. SECTION 2-2 ----- PE-06-412-641-0008
10. NORTH ELEVATION----- PE-06-412-641-0009
11. SOUTH ELEVATION----- PE-06-412-641-0010

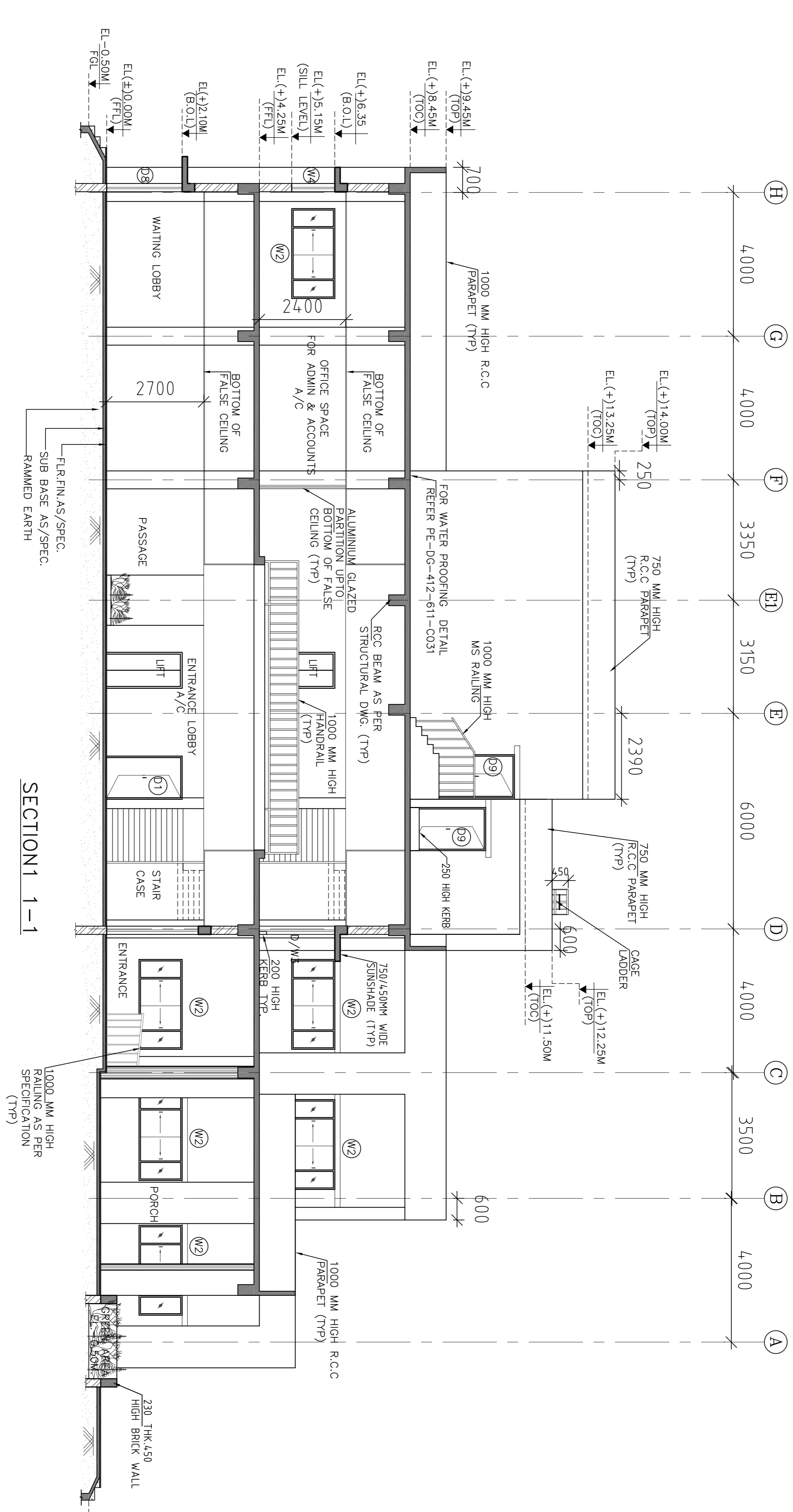
LEGENDS

S.NO	LEGEND	DESCRIPTION
1.	T.O.P	TOP OF PARAPET
2.	B.O.L	BOTTOM OF LINTEL
3.	TYP	TYPICAL
4.	THK	THICK
5.	FGL	FLOOR GROUND LEVEL
6.	F.FL	FINISH FLOOR LEVEL
7.	LVL	LEVEL
8.	T.O.C	TOP OF CONCRETE

LEGENDS

- SHADE OF EXTERIOR PAINT SHALL BE COMBINATION OF BRIDGE COLOUR OF APPROVED MAKE
- SHADE OF EXTERIOR PAINT SHALL BE COMBINATION OF TERRACOTA RED OF APPROVED MAKE
- * COLOUR SCHEME SHOWN IN DRAWING IS TENTATIVE. FINAL COLOUR SCHEME TO BE DECIDED BY CUSTOMER AT SITE.

BHEL-PROJECT ENGINEERING MANAGEMENT(TOUL)
 THIS DRAWING MARKED (✓) IS RELEASED FOR
 COMMENTS / APPROVAL
 PLANNING / INFORMATION
 CONSTRUCTION
 STAMP ALL PREVIOUS REVISION AS SUPERSEDED
 ISSUED BY
 NAME: SOMNATH MISHRA
 SIGNATURE
 DATE: 25.01.18



SECTION 1 1-1

Project 2x660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT AT ASH DYKE OP NCTPS, CHENNAI

OWNER: TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED

CONSULTANT: DESEIN PRIVATE LIMITED
DESEIN HOUSE, NEW DELHI

JOB NO. 412
STATUS CONTRACT

DISTRIBUION	TO	NO. OF	REV.	DATE	ALTD	CHD	APPD

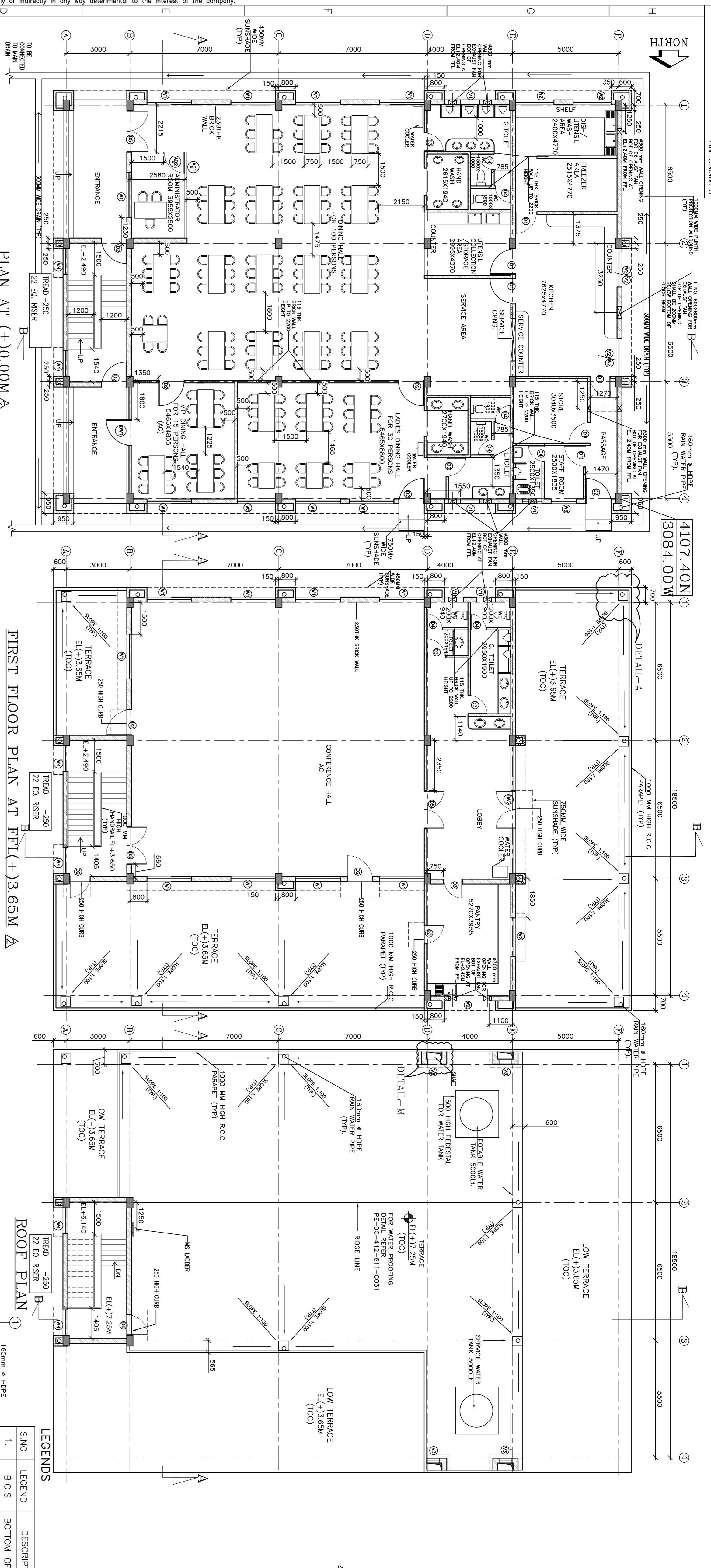
TITLE ADMINSTRATIVE BUILDING
SECTION 1 1-1

DEPT.	SCALE:	DRAWING NO.
		PE-DG-412-641-C006

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD

10 9 8 7 6 5 4 3

Format size A1



PLAN AT (+)0.00M A
 (*) DOORS MARKED WITH ARE PART OF ALUMINIUM PARTITION

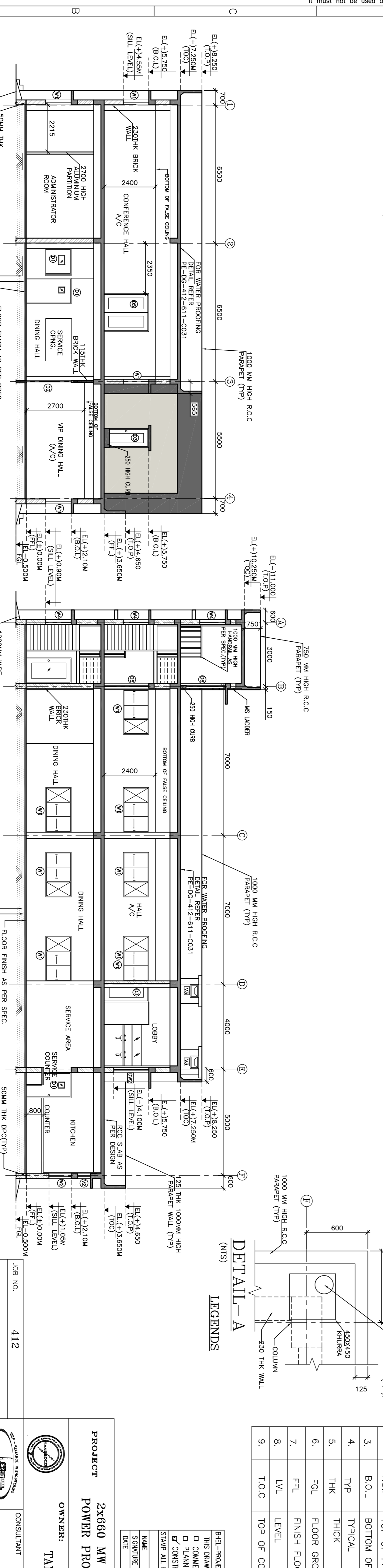
FIRST FLOOR PLAN AT FFL(+3.65M) A

ROOF PLAN

PLAN AT EL(+10.25M) (T.O.C)
 (FOR STAIRCASE ROOF)

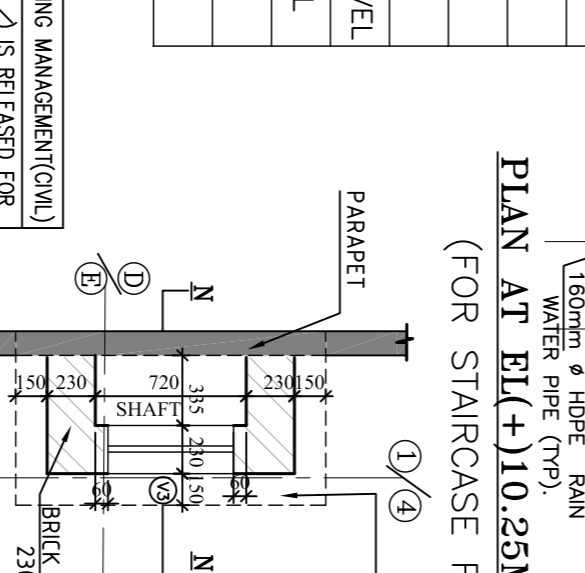
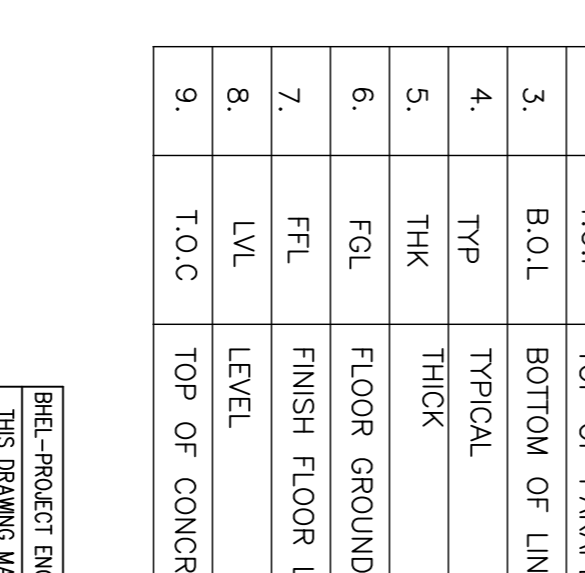
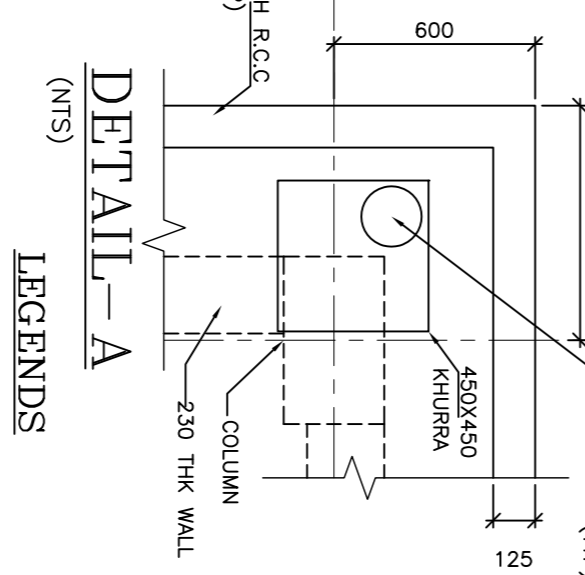
LEGENDS

S.NO	LEGEND	DESCRIPTION
1.	B.O.S	BOTTOM OF SLAB
2.	T.O.P	TOP OF PARAPET
3.	B.O.L	BOTTOM OF LINTEL
4.	TYP	TYPICAL
5.	THK	FLOOR GROUND LEVEL
6.	FGL	FLOOR FINISH LEVEL
7.	FFL	FINISH FLOOR LEVEL
8.	LVL	LEVEL
9.	T.O.C	TOP OF CONCRETE



SECTION A-A A

SECTION B-B A



REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	
02	25.07.17	USA	SB	AN	01	16.05.17	USA	SB	AN											

REVISIONS

REVISIONS AS PER COMMENTS FROM ARCHITECT DATED 25.7.17 AND MARKED AS A

REVISIONS AS PER COMMENTS FROM ARCHITECT DATED 12.03.2017 AND MARKED AS A

REVISIONS AS PER CUSTOMER/CONSULTANT COMMENTS REF. NO. D-4027/TANGEDCO/1019 DATED 12.03.2017 AND MARKED AS A

PROJECT INFORMATION

PROJECT: 2x660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT AT ASH DYKE OF NCTPS, CHENNAI

OWNER: TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED

CONSULTANT: DESEIN PRIVATE LIMITED, DESEIN HOUSE, NEW DELHI

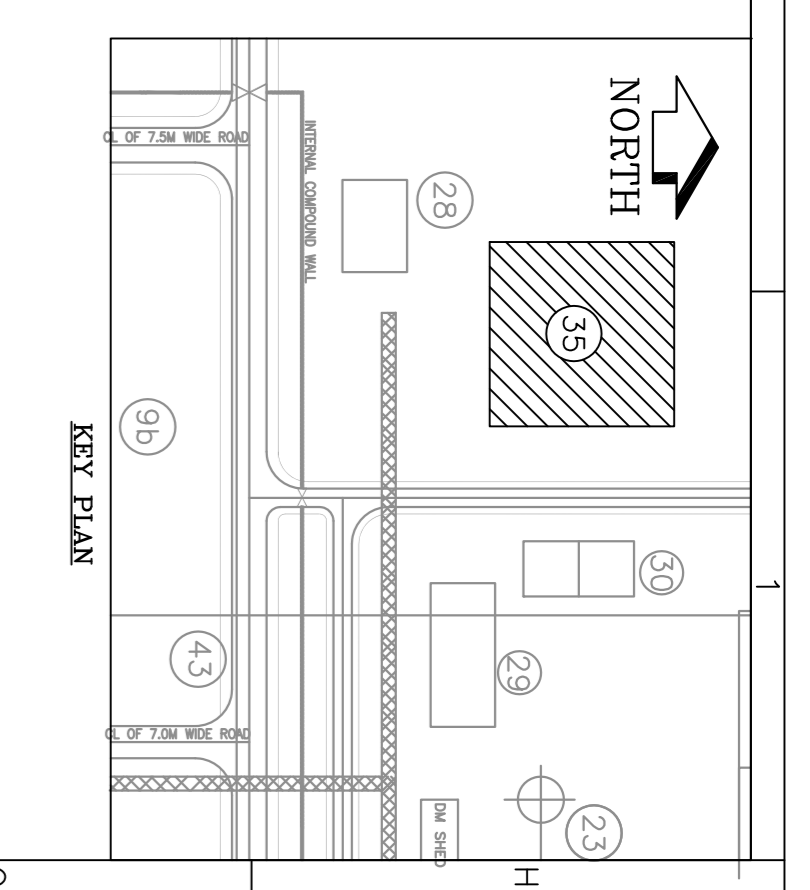
DESIGNER: BHARAT HEAVY ELECTRICALS LTD, POWER SECTOR PROJECT ENGINEERING MANAGEMENT, NEW DELHI

TITLE: CANTEN BUILDING (NEAR SERVICE BUILDING) ARCH PLAN

DEPT: SCALE: DRAWING NO. PE-DG-412-610-C003

SIGN: SHEET 1 OF 2 REV. 2

DATE: 21.03.2017



NOTES

- ALL DIMENSIONS ARE IN METERS AND ELEVATIONS IN METERS UNLESS OTHERWISE SPECIFIED.
- NOTED DIMENSIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL.
- UNLESS NOTED OTHERWISE WINDOW / DOOR / ROLLING SHUTTER LOCATION SHALL BE AT CENTER BETWEEN GRIDS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS.
- ALL GROUND FLOOR WINDOWS SHALL BE PROVIDED WITH J.S. GRILL.
- SINKS & WASH BASIN SHALL BE OF HEAVY DUTY STAINLESS STEEL.
- VALVES & GAUGES IN DINEG HALL SHALL BE FIXED TO FLOOR & SHALL HAVE 150MM HIGH PROTECTION.
- GENERAL DINING ROOM SHALL BE WITH DESERT COOLERS.
- PAINTING MARKED IN THE DRAWING ARE ONLY FOR PLANNING PURPOSE.
- FINISHES SHALL BE AS PER SPECIFICATION BY BHRL.
- PSFR & AS PER DIRECTION OF ENGINEER AT SITE.
- CONCRETE SHALL WITH ALL ADMIXTURES LATEST STATE MODULAR FORMWORK SYSTEM SHALL BE PROVIDED BY BHRL AS PER SPEC.
- CONCRETE SHALL WITH ALL ADMIXTURES LATEST STATE MODULAR FORMWORK SYSTEM SHALL BE PROVIDED BY BHRL AS PER SPEC.

REFERENCE DRAWINGS.

- CANTEN BUILDING ELEVATION---PE-00-412-610-0003
- TOILET DETAILS---PE-00-412-610-0016
- WINDOW DETAILS---PE-00-412-610-0018
- PLANT ROOM DETAILS---PE-00-412-610-0019
- GEN.WORKS&STD.DETAILS FOR ARCH.WORKS---PE-00-412-611-0031
- PLANT ROOM LAYOUT---PE-00-412-603-0022
- GENERAL BUILDING STRUCTURE DETAILS---PE-00-412-610-0022
- CANTEN BUILDING STRUCTURE DETAILS---PE-00-412-610-0022
- RAIN WATER HARVESTING SCHEME & DETAILS---PE-00-412-613-0006
- RAV. WATER HARVESTING SCHEME---PE-00-412-613-0006
- DETAIL OF PLANT SWAGE SYSTEM---PE-00-412-613-0002
- DETAIL OF PLANT SWAGE SYSTEM---PE-00-412-613-0002
- DETAIL OF PLANT SWAGE SYSTEM---PE-00-412-613-0002
- DETAIL OF PLANT SWAGE SYSTEM---PE-00-412-613-0002
- DETAIL OF PLANT SWAGE SYSTEM---PE-00-412-613-0002

