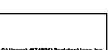
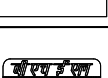
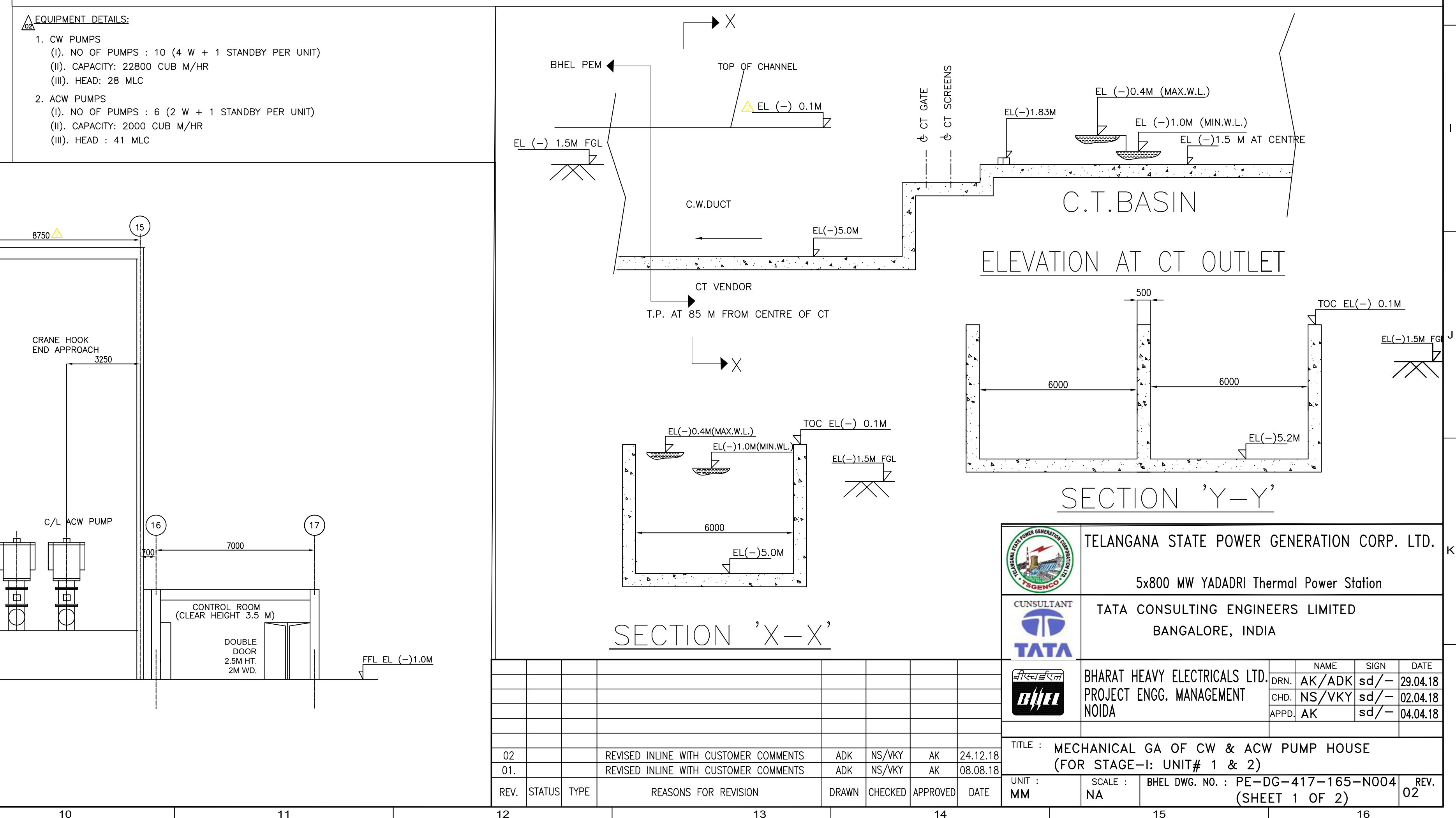
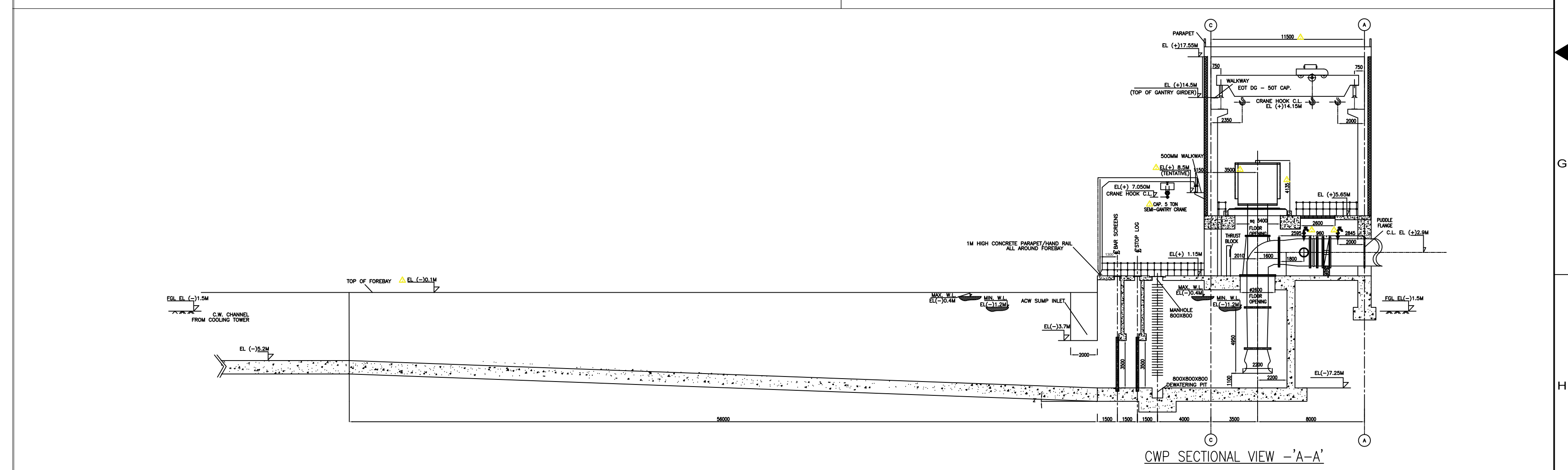
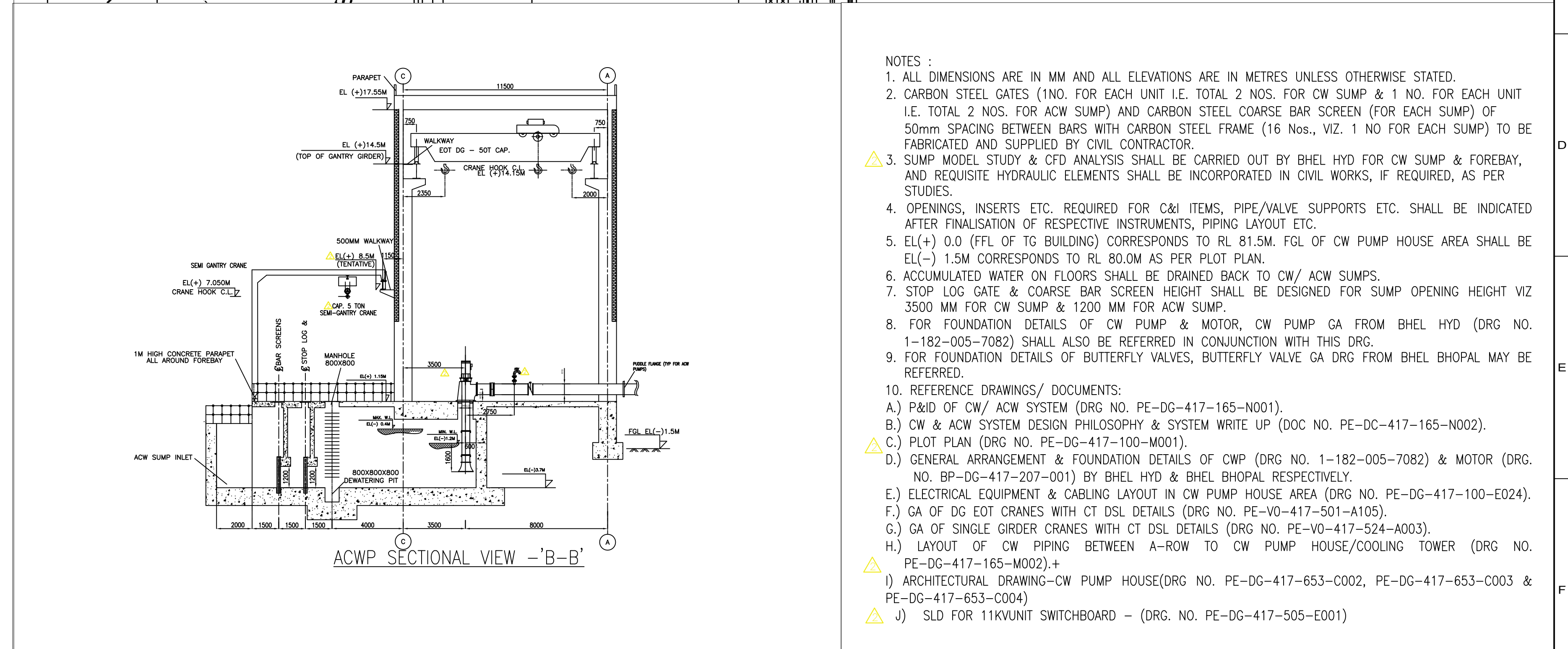
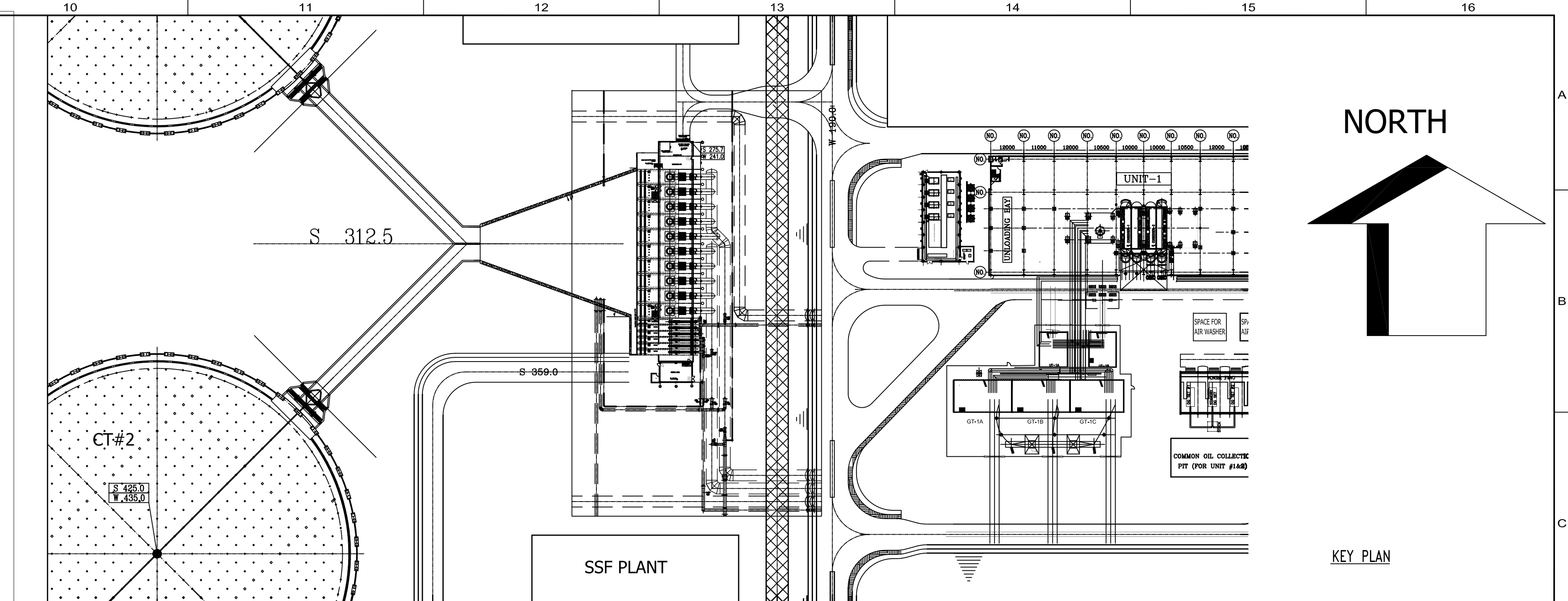
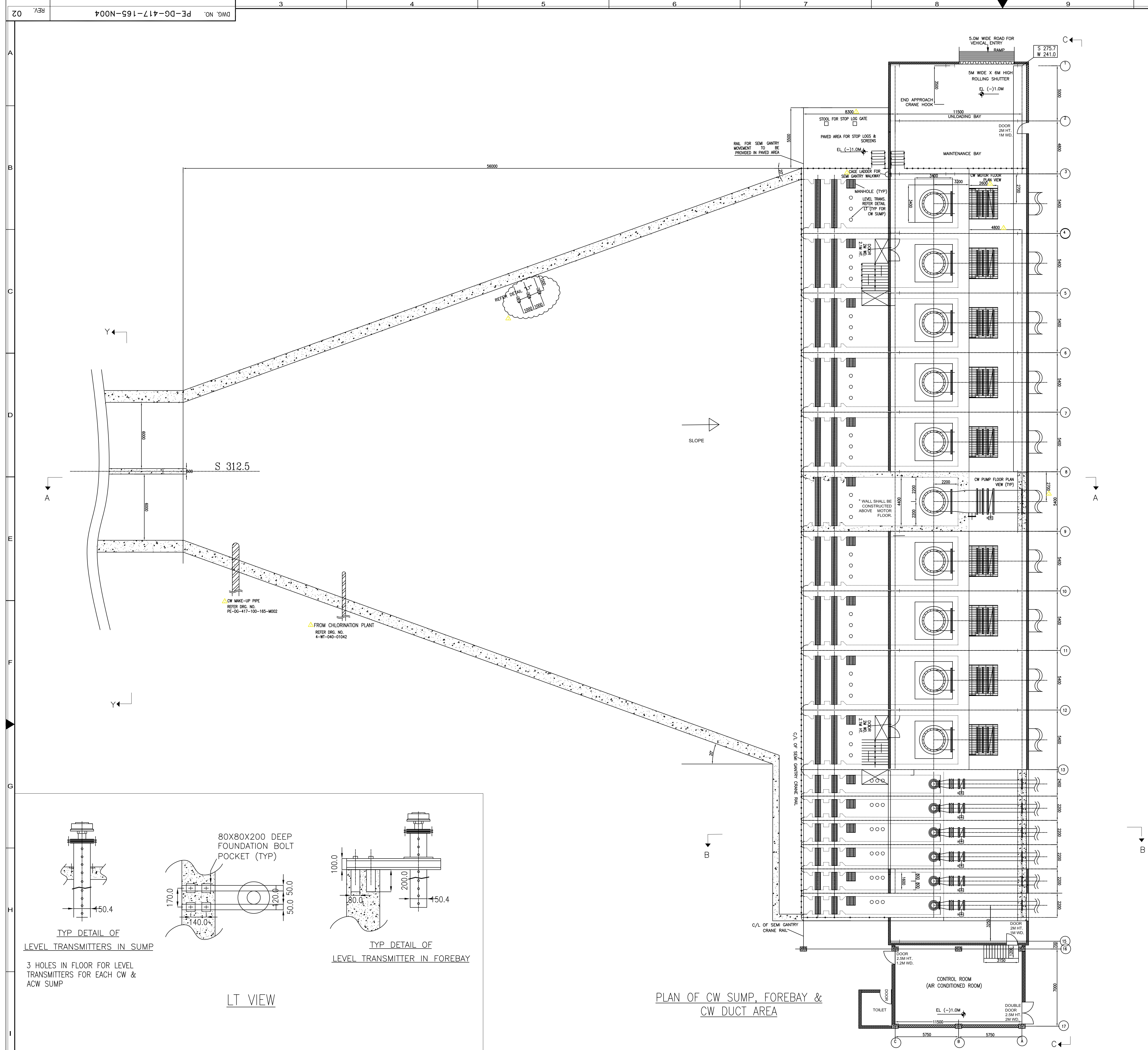
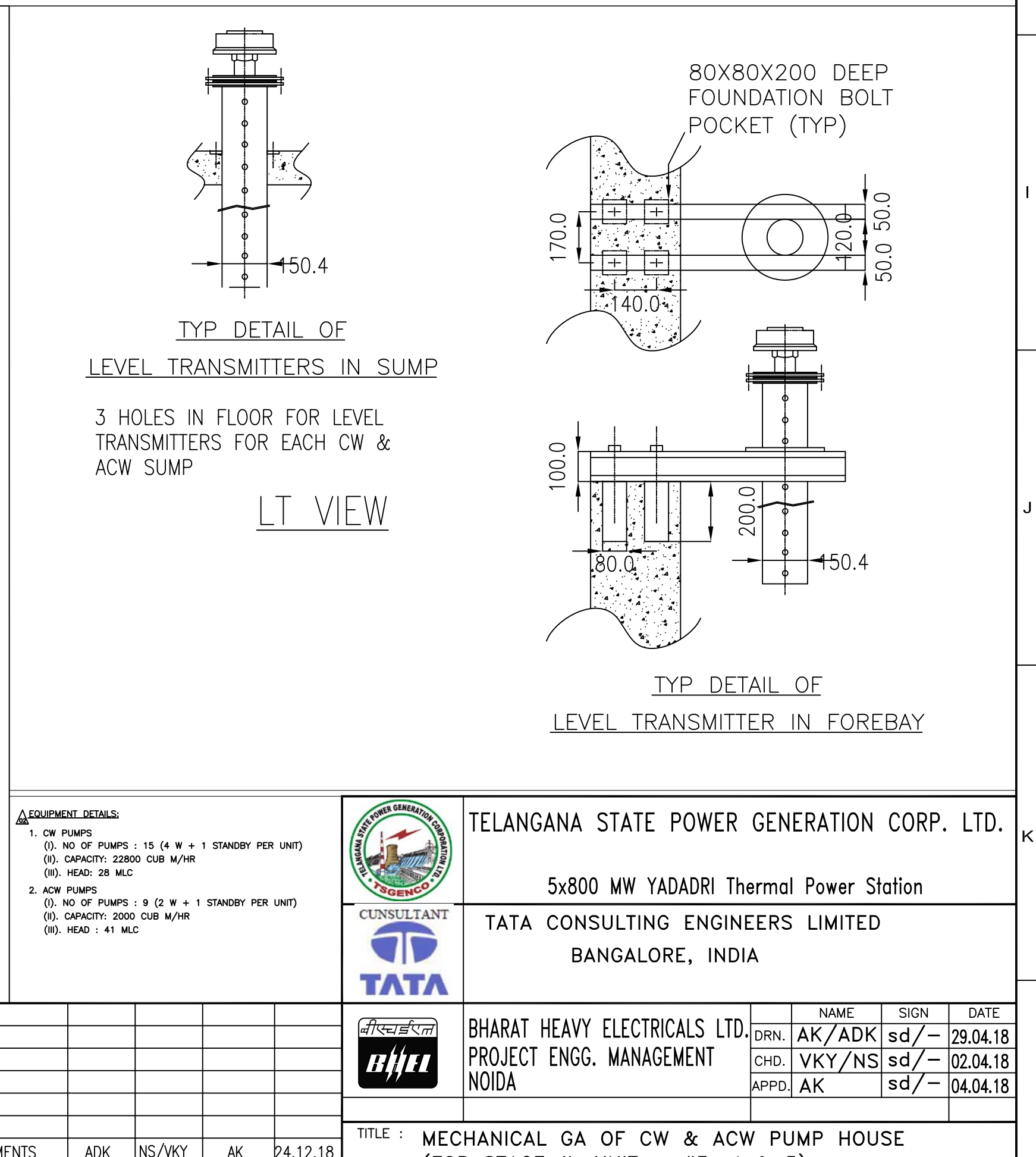
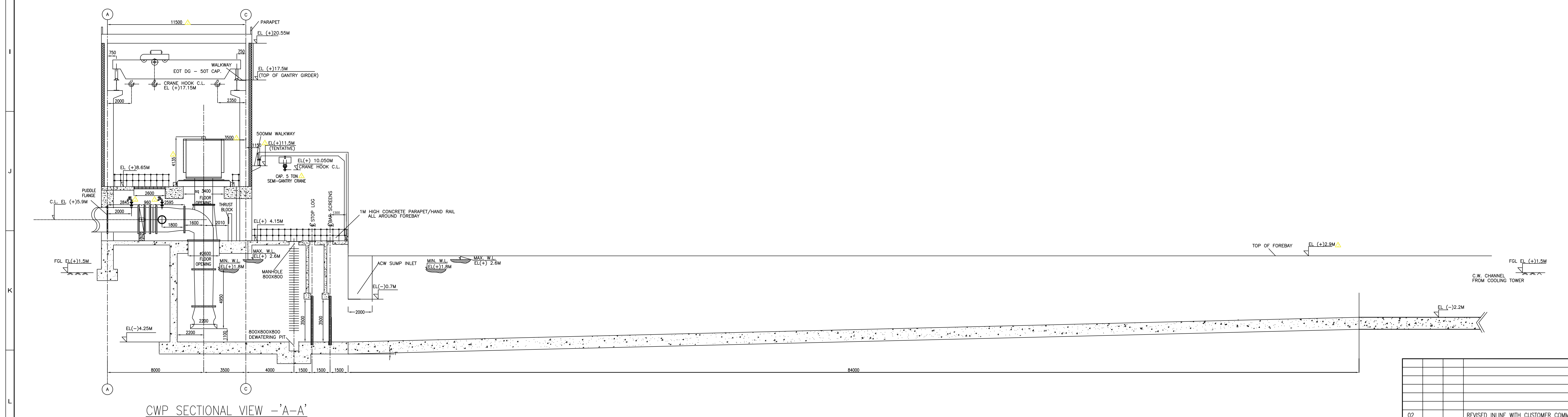
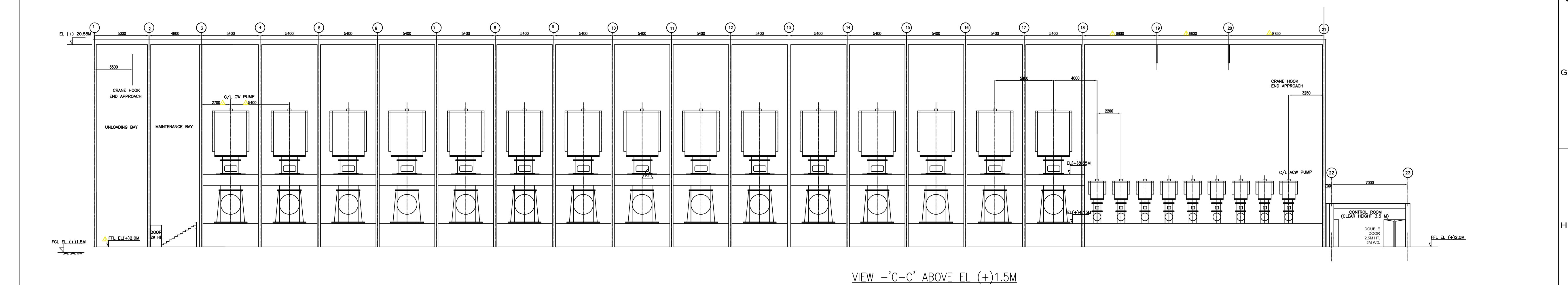
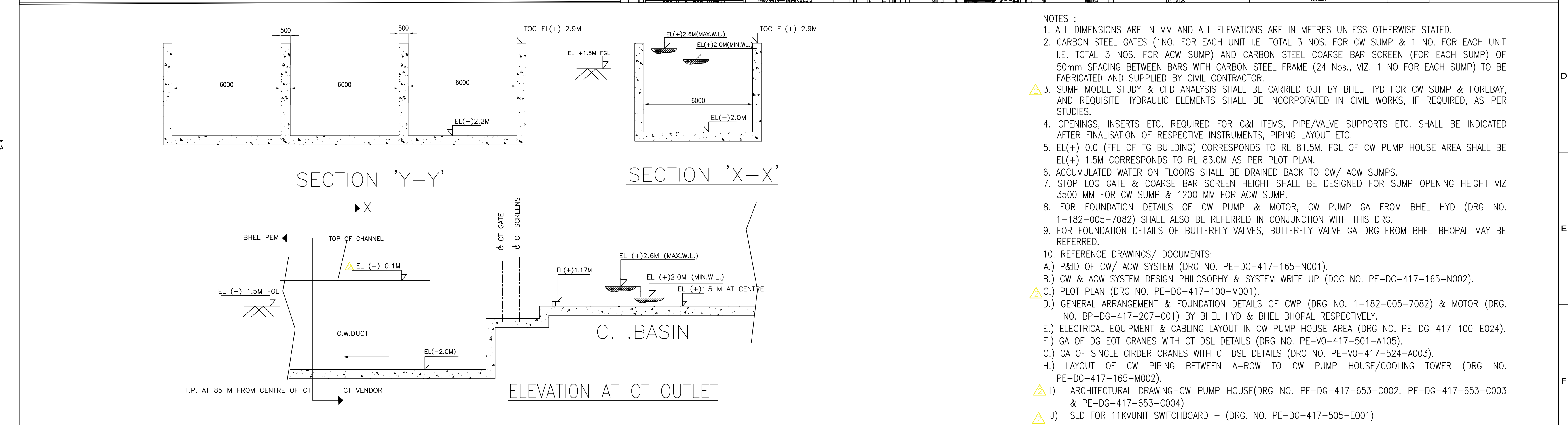
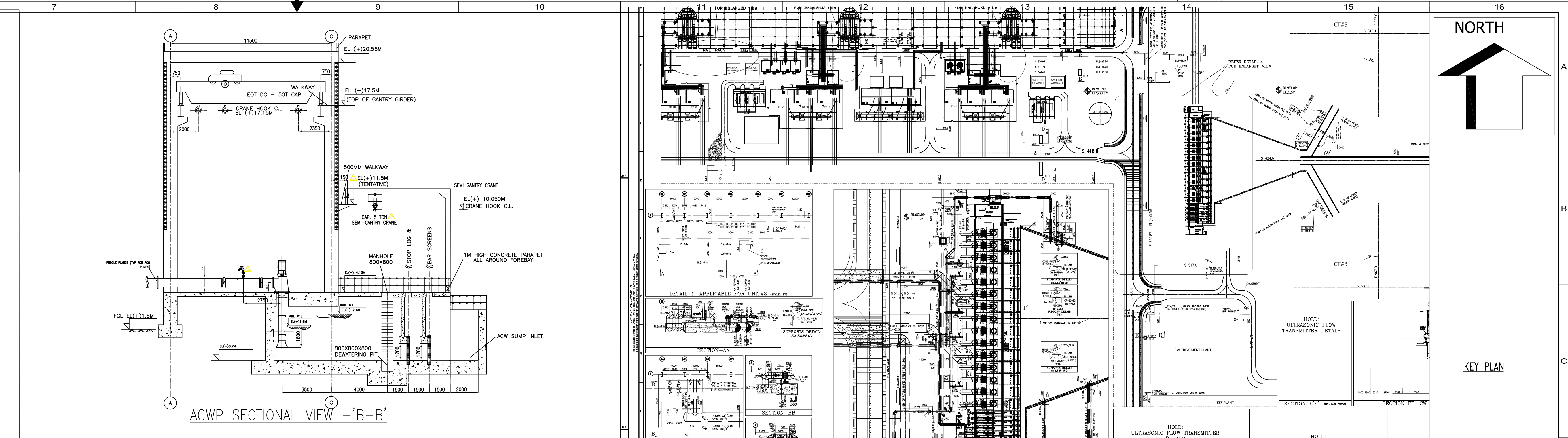
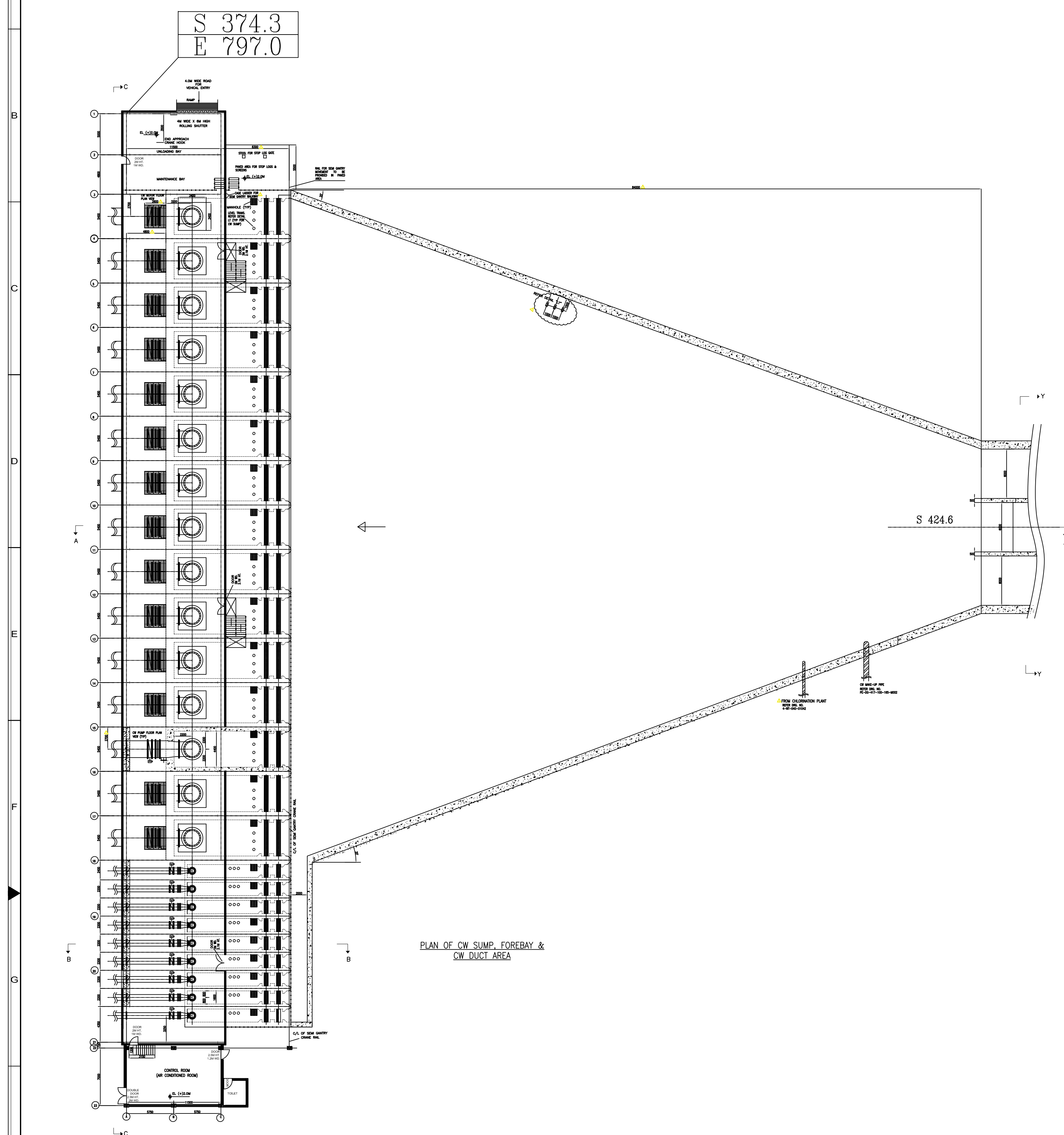


PRELIMINARY DRAWING FOR REFERENCE ONLY

CAUTION: THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTERESTS OF THE COMPANY.	PRO ECT	YADADRI THERMAL POWER STATION (5X800 MW)			
		OWNER	TELENGANA STATE POWER GENERATION CORPORATION LIMITED		
		OWNERS CONSULTANT	TATA CONSULTING ENGINEERS LIMITED BANGALORE		
		EPIC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED, NEW DELHI		
			UNIT : BOILER AUXILIARIES PLANT /RAINPET PAC : AGE : CW CHLORINATION PLANT STAGE 01		
TITLE		EQUIPMENT LAYOUT FOR CW CHLORINATION (UNIT 3,4&5)			
ALL DIMENSIONS ARE IN MILLIMETRES		BHEL DRAWING NO		REV	
PROJECTION	SCALE N.T.S	1-WT-040-01087		00	
					

REV	DATE	ALTERED:
		CHECKED:
ZONE		



[illegible]

Replies to comments on Mechanical GA of CW Pump house (Rev 01)

S. No	Customer Comments	BHEL Replies dated 24.12.2018
Comments marked on Word file		
1	Is there any storage rack considered for storing the stop logs.	Please note a Paved area near maintenance bay (500 mm above FGL) is provided for storage of stop log gate and stools are provided in this are for resting of stop log gate. There is no storage rack envisaged.
2	Indicate dimesion	Noted & incorporated.
3	Indicate the cross travell approach	Already provided in "CWP sectional View A-A"
4	56785?	checked & corrected.
5	3 No's LT shall be provided as per P & Id.	Noted & incorporated.
6	Provision shall be provided for Chlorine dosing along with other CW chemical dosing system.	Noted & Incorporated.
7	Please mark the dimension.	Noted & incorporated.
8	BHEL to explain where this kind of arrangement is made in earlier projects (except KTPS). BHEL to provide the reference for those projects (especially NTPC projects).	This arrangmenet is as per BHEL standard practice and already provided in number of projects viz. 2X660 MW RRUYNL Suratgarh TPS, 1X500 MW DVC Bokaro 'A' TPS, 1X700 MW KPCL Bellary TPS Unit-3 etc.. Further sump model study along wth CFD analysis shall be conducted for establishing the correctness of layout.
9	Does the arrangement is inline with HIS requirements?	
10	BHEL to confirm whether flow study & Modeling has been done to arrive the layout. If done and arrived the arrangement. BHEL to submit the same for reference	
11	Indicate electrical MCC roon	Please note there is no swichgear room in CWPH. Please refer PE-DG-417-505-A001.
12	FFL shall be marked.	Noted & incorporated.
13	CW pump and ACW pump foundation details shall be shown.	CW pump & ACW pump foundation details shall be provided in Civil GA of CW pump house.
14	BHEL to ensure the proper approach to the pumps	Noted.
15	Weight of Pump and motor shall be provided.	Weight of CW pump & motor shall be indicated in respective GA drawing (FP-1-182-005-7082 & BP-DG-417-207-001) submitted separately by BHEL-Hyderabad & Bhopal respectively.
16	Static load and dynamic load due to pump and motor set shall be furnished.	Static load and dynamic load due to pump and motor set shall be indicated in respective GA drawing (FP-1-182-005-7082 & BP-DG-417-207-001) submitted separately by BHEL-Hyderabad & Bhopal.
17	Pump data indicating the pump capacity, head, quantity shall be provided.	Noted & incorporated.
18	Indicate ventilation system requirement like fan and louver details shall be shown.	Ventilation system requirement shall be indicated in Architectural drawing of CW pump house (Drg no. PE-DG-417-653-C002, PE-DG-417-653-C003 & PE-DG-417-653-C004)
19	BHEL to indicate the holds as most of the equipments are to be order and are dependent on Vendor information. BHEL to indicate the same.	Noted.
21	Please mark water levels.	Water levels are already marked in CWP sectional view A-A. Further there is negligible pressure drop of 50 mm across screen and same can not be distinguished in water levels near screen in GA drawing.
22	Please indicate minimum submergence value.	Please note minimum water level in CW pump house is selected based on minimum submergence requirement and submergence requirement of 4950 mm is already indicated in the "CWP Sectional view A-A".
23	Dimension shall be provided.	Noted & incorporated.
24	Check the column grid locations and revise the dimension.	Noted & incorporated.
25	BHEL to indicate maintenance platform for motor	Maintenance platform for motor is envisaged in maintenance bay at EL (-) 1.0 M. However for local monitoring/inspection of motor, motor floor is already indicated at EL (+)5.65 M.
26	ARV shall be shown.	Noted & incorporated.
27	Dimension shall be provided.- CW Pump	Complete dimensions of CW pump shall be provided in CW pump GA drawing (drg no. FP-1-182-005-7082).
28	Please provide basis of crane selection (typical).	Required capacity of semi gantry crane is arrived as 5T, considering 10 % margin over heaviest equipment to be lifted i.e. stop log gate. Stop log gate is in two parts and weight of one part is approx. (1.8 ton+1 ton) including accessories of handling arrangement of gate. Thus selected capacity of semi gantry crane is in order.
29	EL shall be marked.	Noted & incorporated
30	Please mark the dimension.	Noted & incorporated
31	ARV shall be shown.	Noted & incorporated

6610-005-1M-1
DRAWING NO.

ALL DIMENSIONS ARE IN MILLIMETRES

N-333.500M

NORTH

SECTION C-C

SECTION A-A

SECTION B-B

KEY PLAN

SLNO	DESCRIPTION	QUANTITY	MOC	APPROX. SIZE
01	DMF FEED PUMP	7nos(5W+2S)	Ni hard Cl	0.65Mx0.45Mx0.45M HT
02	DUAL MEDIA PRESSURE FILTER (DMF)	7nos(5W+2S)	CSEP	ø3.1Mx2.8M Hos
03	DMF AIR BLOWER	4nos(2W+2S)	O	ø1.0Mx1.0Mx0.3 HT
04	FILTER BACKWASH WATER TANK	1 No	RCC	12.0 Mx12.0 Mx2.6 M
05	FILTER BACKWASH WATER PUMP	4nos(2W+2S)	Ni hard Cl	ø0.90Mx0.50Mx0.3HT
06	POTABLE WATER TRANSFER PUMP	2nos(1W+1S)	Cl with SS304	0.65Mx0.45Mx0.3MHT
07	FILTER BACKWASH WATER SUMP	2 Compartment	RCC	10.5Mx10.5Mx0.2M SWD
08	BACKWASH WATER DISPOSAL PUMP	2nos(1W+1S)	Ni hard Cl	ø0.90Mx0.50Mx0.3HT
09	ACTIVATE CARBON FILTER (ACF)	7nos(5W+2S)	CSEP	ø2.4Mx3.3M Hos
10	WEAK ACID CATION EXCHANGER (WAC)	7nos(5W+2S)	CSRL	ø1.5Mx2.1M Hos
11	STRONG ACID CATION EXCHANGER(SAC)	7nos(5W+2S)	CSRL	ø1.5Mx2.1M Hos
12	DEGASER TOWER	5nos	CSRL	ø1.2Mx3.3M Hos
13	DEGASER AIR BLOWER	10nos(5W+2S)	O/CS	ø1.2Mx3.3M Hos
14	DEGASSED WATER STORAGE TANK	5nos	CSRL	ø5.5Mx4.7M HT
15	DEGASSED WATER TRANSFER PUMP	7nos(5W+2S)	SS316	0.90Mx0.45Mx0.3M HT
16	WEAK BASE ANION EXCHANGER (WBA)	7nos(5W+2S)	CSRL	ø1.5Mx2.1M Hos
17	STRONG BASE ANION (SBA)	7nos(5W+2S)	CSRL	ø1.5Mx2.1M Hos
18	MIXED BED EXCHANGER (MB)	7nos(5W+2S)	CSRL	ø1.2Mx2.0M HT
19	AIR BLOWER FOR MB & N-PIT	4nos(2W+2S)	O	ø1.0Mx1.0Mx0.3 HT
20	REGEN. WATER TRANSFER PUMP	4nos(2W+2S)	SS316	0.90Mx0.45Mx0.3M HT
21	ACID UNLOADING PUMP	2nos(1W+1S)	PP	0.80Mx0.40Mx0.3M HT
22	BULK ACID STORAGE TANK	4nos	CSRL	ø2.5Mx6.0 HOS
23	ACID MEASURING TANK FOR SAC	4nos(2W+2S)	CSRL	ø1Mx1.3HT
24	ACID MEASURING TANK FOR MB	2nos	CSRL	ø1Mx1.3HT
25	ACID MEASURING TANK FOR N-PIT	1No	CSRL	ø0.6Mx0.65HT
26	CAUSTIC UNLOADING PUMP	2nos(1W+1S)	SS316	0.80Mx0.40Mx0.3M HT
27	BULK CAUSTIC STORAGE TANK	3nos	CSRL	ø2.0Mx6.0 HOS
28	CAUSTIC MEASURING TANK FOR SBA	4nos	CSRL	ø1.0Mx1.2HT
29	CAUSTIC MEASURING TANK FOR MB	2nos(2W+2S)	CSRL	ø0.6Mx0.9HT
30	CAUSTIC MEASURING TANK FOR N-PIT	1No	CSRL	ø0.6Mx0.65HT
31	ACTIVATE CARBON FILTER FOR ALKALI	1No	CSEP	ø1.0Mx2.7Hos
32	BRINE SOLUTION PREPARATION TANK	2nos	CSRL	ø1.9Mx2.3HT
33	HOT WATER TANK	2nos	SS316	ø2.0Mx2.3HT
34	NEUTRALIZATION PIT	2 Compartment	RCC	9.5Mx9.5Mx0.2M SWD
35	PRIMING CHAMBER	2nos(1W+1S)	CSRL	ø0.6Mx1.0HT
36	N-PIT EFFLUENT DISPOSAL PUMPS	2nos(1W+1S)	SS316	6.5Mx6.5Mx3.15M
37	CAUSTIC TRANSFER CUM RECIRCULATION PUMP	2nos(1W+1S)	SS316	0.85Mx0.45Mx0.3MHT

SLNO	DESCRIPTION	QUANTITY	MOC	APPROX. SIZE
38	UF FEED TANK - A 240 CUM.	1No	MSEP	ø7.0Mx6.8M HT
39	UF FEED TANK - B 360 CUM.	1No	MSEP	ø8.5Mx6.8M HT
40	UF FEED PUMPS	7nos(5W+2S)	SS316	0.90Mx0.45Mx0.3MHT
41	PRE FILTER	7nos(5W+2S)	-	-
42	UF SKIDS	7nos(5W+2S)	65 m ³ /hr (NET)	-
43	UF BACK WASH PUMPS	2nos(1W+1S)	SS316	0.90Mx0.45Mx0.3MHT
44	CARTIDGE FILTER	1No	-	-
45	OP TANK	2nos	MSRL	ø2.0Mx2.0M Hos
46	UF (OP) CLEANING PUMPS	2nos(1W+1S)	SS316	0.90Mx0.45Mx0.3MHT
47	CARTIDGE FILTER	1No	-	-
48	ACID (HCL) DOSING TANK FOR UF	1No	MSRL	ø0.8Mx1.0M Hos
49	CAUSTIC (NaOH) DOSING TANK FOR UF	1No	MSRL	ø0.8Mx1.0M Hos
50	HYPOCHLORITE (NaOCl) DOSING TANK FOR UF	1No	MSRL	ø0.8Mx1.0M Hos
51	ACID (HCL) DOSING PUMPS FOR UF	2nos(1W+1S)	PP	200 lph @ 20 MWC
52	CAUSTIC(NaOH) DOSING PUMPS FOR UF	2nos(1W+1S)	PP	200 lph @ 20 MWC
53	HYPOCHLORITE(NaOCl) DOSING PUMPS FOR UF	2nos(1W+1S)	PP	200 lph @ 20 MWC

NOTES:

1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METER UNLESS OTHERWISE NOTED.
2. THE FINISHED FLOOR LEVEL (FFL) OF POWER HOUSE BUILDING GROUND FLOOR IS (+)0.00M WHICH CORRESPONDS TO RL (+)81.5M.
3. DM PLANT FINISHED GRADE LEVEL IS (+)4.0M AND FINISHED FLOOR LEVEL (FFL) IS (+)4.5M.
4. EQUIPMENT LOCATION ARE TENTATIVE AND SUBJECT TO MINOR CHANGES DURING DETAIL ENGINEERING.
5. EQUIPMENT SIZE ARE INDICATIVE AND WILL BE FINALIZED AFTER ORDERING OF EQUIPMENT.
6. PLC AND BATTERY ROOM SHALL BE AIR CONDITIONED (PEW SCOPE).
7. REFERENCES DRAWINGS:
(I) PLOT PLAN: PE-100-417-100-MOD(LATEST REVISION).
(II) P&ID FOR DM PLANT: 1-WT-500-01295.

ROLLING SHUTTER & DOOR SIZE
DETAILS

TAG	DESCRIPTION	WIDTH IN M	HEIGHT IN M
RS-1	ROLLING SHUTTER	4.0 x 6.0	
RS-2	ROLLING SHUTTER	3.0 x 3.5	
DD	DOUBLE DOOR	2.2 x 2.1	
SD	SINGLE DOOR	1 x 2.1	
W	WINDOW	1.2 x 1.5	
GW	GLASS PANED WINDOW	1.2 x 1.5	
SD	SLIDING DOOR		

LEGEND:	- FINISHED GROUND LEVEL.	- DRAIN CHANNEL
FFL	- FINISHED FLOOR LEVEL.	- OPERATING AREA
EL	- ELEVATION.	- PLINTH PROTECTION
IL	- INVERT LEVEL.	- FIRE BARRIER WALL
-	- CHEMICAL RESISTANT TILED FLOOR	
-	- DWARF WALL - 1.0 M HT. FROM FFL	

PRELIMINARY DRAWING FOR REFERENCE ONLY

EQUIPMENT LAYOUT-PLAN

N-194.000M

EQUIPMENT LAYOUT OF DM PLANT

REV	DATE	ALTERED:	CHECKED:
ZONE			
PROJECTION	SCALE	N.T.S	REV
			00

PROJECT	YADADRI THERMAL POWER STATION (5X800 MW)		
OWNER	TELENGANA STATE POWER GENERATION CORPORATION LIMITED		
OWNER'S CONSULTANT	TATA CONSULTING ENGINEERS LIMITED BANGALORE		
EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED, NEW DELHI UNIT : BOILER AUXILIARIES PLANT ; RANIPET PACKAGE : DM PLANT		
TITLE	EQUIPMENT LAYOUT OF DM PLANT		
DRAWN	BB SAHU	Sd/-	29.12.18
CHECKED	G RANENDRAN	Sd/-	29.12.18
APPROVED	M RAMAKRISHNA	Sd/-	29.12.18
ALL DIMENSIONS ARE IN MILLIMETRES	SHEL DRAWING NO.		
	1-WT-500-01296		

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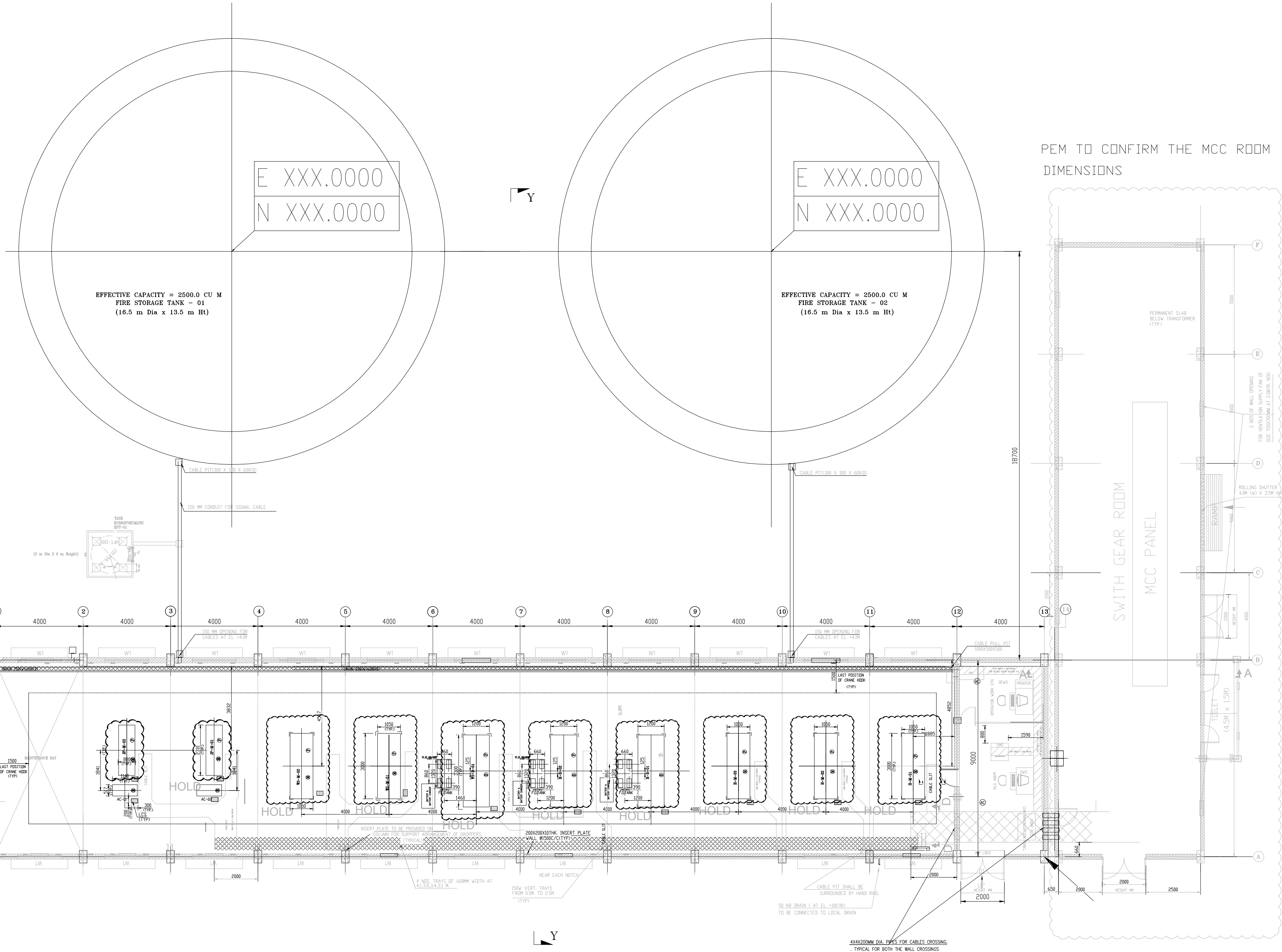
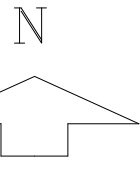
INVENTORY NO
SIGN AND DATE
REF. DRG. NO.
COMPUTER FILE NAME

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230361

FIRST ANGLE PROJECTION

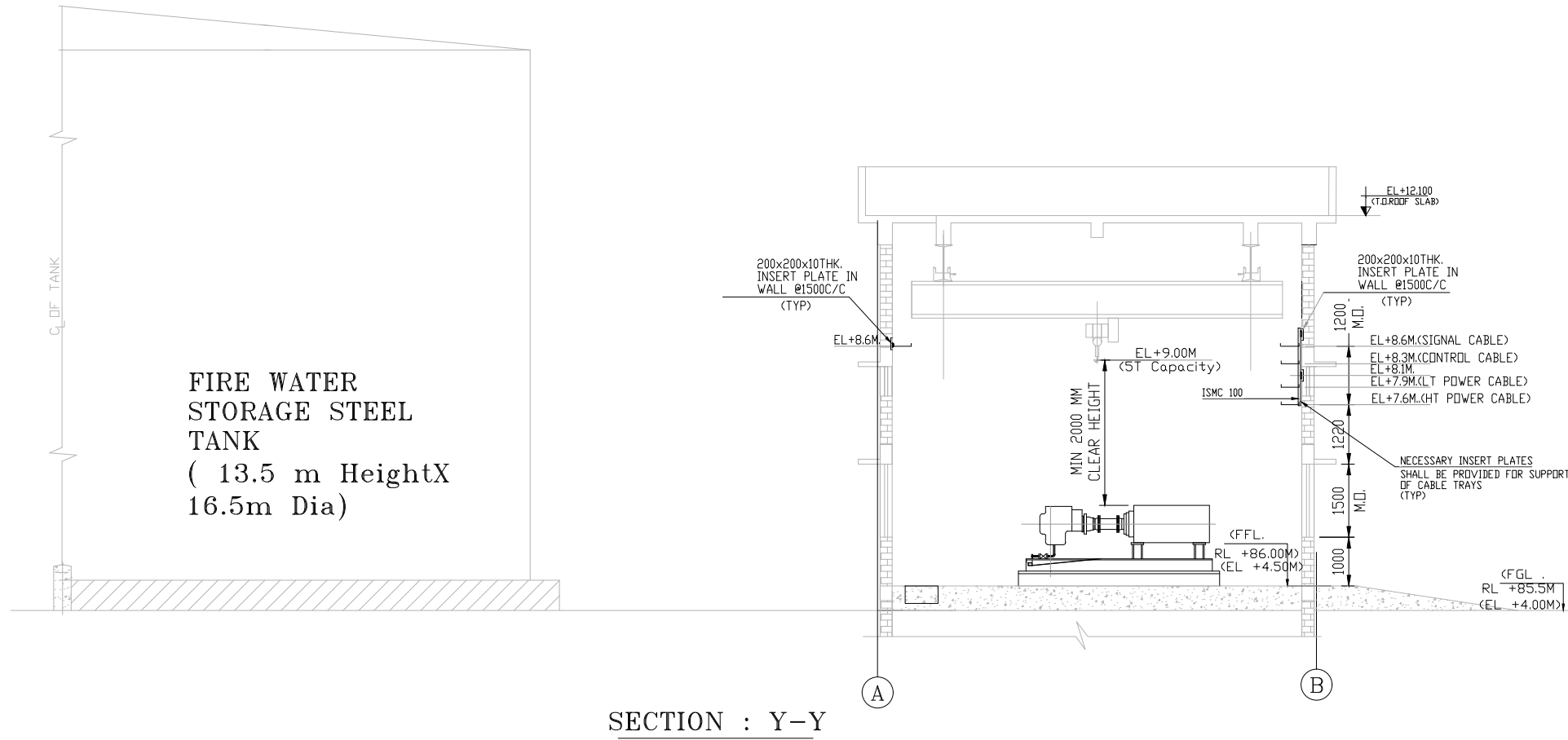
(ALL DIMENSIONS ARE IN mm)

DRG. NO. PY-DP-1-M081-8661-09
SHT. 01 OF 01

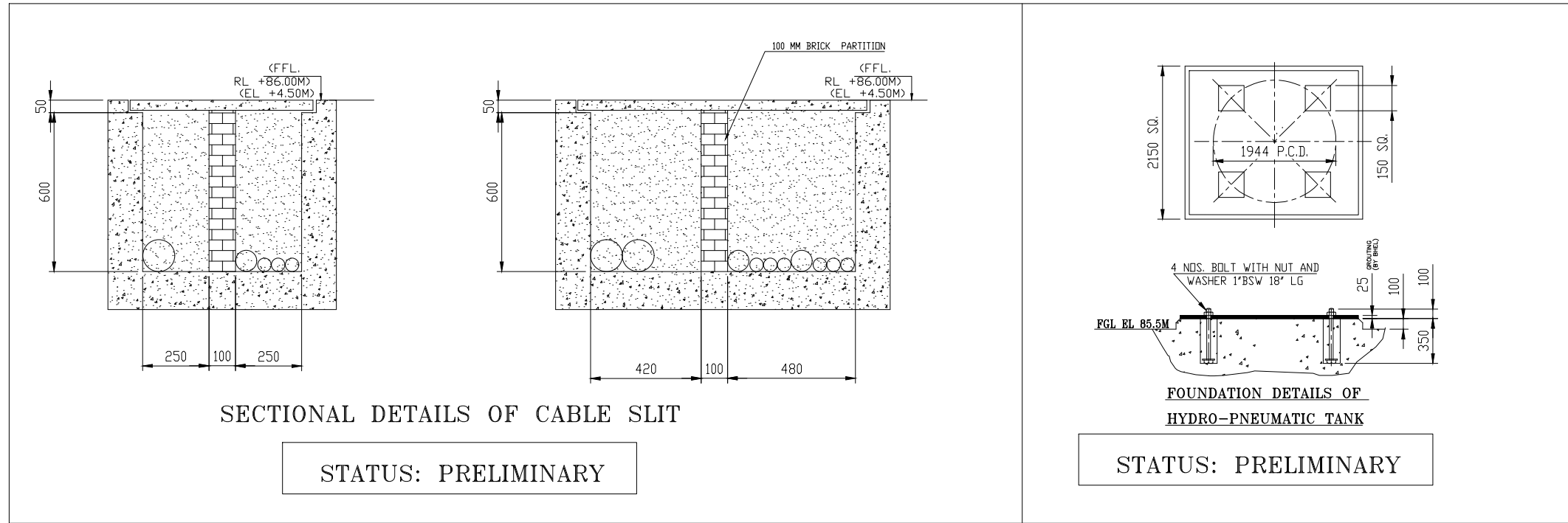


E 564.0000
N 170.0000

FIRE WATER PUMP HOUSE



SECTION : Y-Y



LEGEND-

Sr. No.	SYMBOL	DESCRIPTION
1	AC	AIR CONDITIONING REQUIRED
2	CABLE TREY	CABLE TREY
3	CABLE TRENCH	CABLE TRENCH
4	VMS	VIBRATION MONITORING SYSTEM
5	LOCAL CONTROL STATION	LOCAL CONTROL STATION
6	MOTOR SIDE	MOTOR SIDE
7	PUMP SIDE	PUMP SIDE
8	DIESEL ENGINE SIDE	DIESEL ENGINE SIDE

NOTE:

- ALL DIMENSIONS ARE IN mm.
- THE FINISHED FLOOR LEVEL (FFL) OF POWER HOUSE BUILDING GROUND FLOOR IS EL. 0.00M WHICH CORRESPONDS TO 0.5M (RL. 81.5M) ABOVE FGL.
- THE TRENCH SHALL BE SAND FILLED AFTER THE ERECTION OF CABLE.
- FOR PIPING LAYOUT AND SUPPORT DETAILS INSIDE THE PUMP HOUSE REFER THE PIPING LAYOUT DRAWING.
- CABLE TRAY SHALL BE SUPPORTED FROM STRUCTURAL STEEL MEMBERS AVAILABLE ALONG THE TRAY PATH. WHERE EVER STRUCTURAL STEEL MEMBERS NOT AVAILABLE SUITABLE STRUCTURAL MEMBERS (ISMB/ISMC) SHALL BE FIRST BE WELDED TO THE NEAREST STRUCTURAL STEEL & THE CABLE TRAY SHALL THEN BE SUPPORTED FROM THESE MEMBERS.
- ALL THE CABLE OPENINGS IN WALLS FLOORS SHALL BE SEALED WITH CABLE FIRE SEALING SYSTEM MATERIAL AFTER THE COMPLETION OF THE CABLE LAYING.
- LOCAL CABLING TO ALL OTHER EQUIPMENT SHALL BE ADJUSTED AT SITE TO SUIT CONDITIONS.
- FALSE CEILING SHALL BE PROVIDED FOR THE CONTROL ROOM (IN BETWEEN 12-13 BAY) AT A HEIGHT OF 5 METER.
- THE FOUNDATION DETAILS OF THE PUMP HOUSE EQUIPMENTS ARE PRELIMINARY. THE FINAL DETAILS DIMENSIONS SHALL BE UPDATED AFTER RECEIPT OF THE VENDOR GA DRAWINGS.
- THE OUTER DIMENSIONS OF THE MCC ROOM IS FINALIZED. HOWEVER THE INTERNAL DIMENSIONS SHALL BE FINALIZED BASED ON THE FINAL MCC GA RECEIVED FROM VENDORS.

REFERENCE DRAWING:-

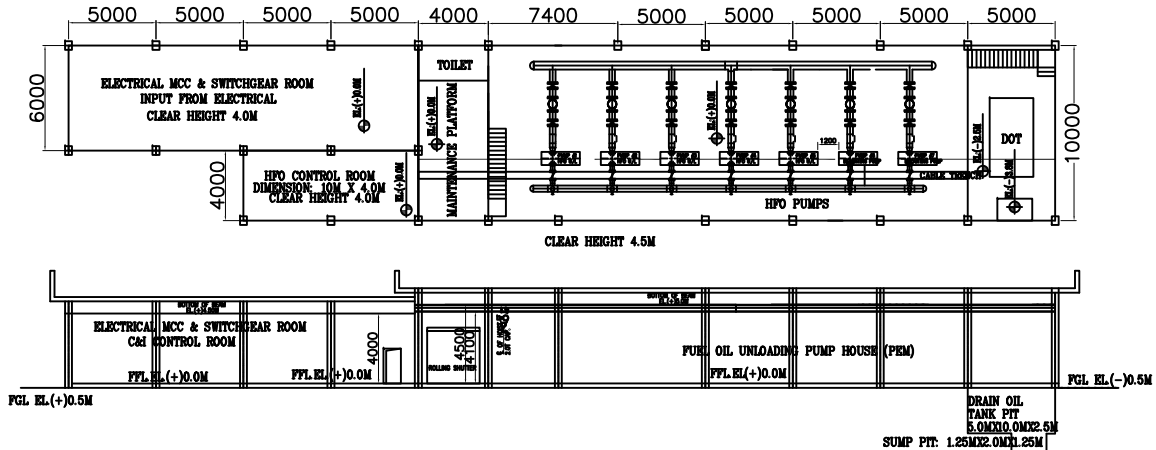
- PLOT PLAN : PE-DG-417-100-M001
- P&ID FOR FIRE WATER PUMP HOUSE : PY-DP-1-M081-8661-02

HOLD:

- ALL THE PUMP FOUNDATIONS.
- WALL OPENING DETAILS.

OP	15.07.2020	INITIAL SUBMISSION
REV	DATE	DESCRIPTION
CUSTOMER	TELANGANA STATE POWER GENERATION CORPORATION LTD. TELANGANA, INDIA YADADRI TPS 5 X 800 MW	
CONSULTANT	TATA CONSULTING ENGINEERS LIMITED BANGALORE, INDIA BHARAT HEAVY ELECTRICALS LIMITED PE&SD, HYDERABAD	
DEPT. CODE	DRN. R ALAM	SD- 14.07.20
	CHD. PRADEEP	SD- 15.07.20
	APPD. KALYAN	SD- 15.07.20
TITLE	EQUIPMENT LAYOUT OF FIRE WATER PUMP HOUSE	
DEPT. PESD	UNTOOL. DML	DOCUMENT NO.
CODE 450	OF 01	PY-LP-1-M081-8661-09
	SHT No. 01 OF 01	REV. OP

HFO UNLOADING PUMP HOUSE – NEAR RAIL AREA



TELANGANA POWER GENERATION CORPORATION LIMITED 5x800 MW YADADRI THERMAL POWER STATION Comments on BHEL Drawings / Document							
Drawing/Document Title: GA Drawing for Combined Fuel Oil Pump House (Unloading through road tanker cum Pressurising & Heating P/H)							
Comments on drawing/Document No.:PE-DG-417-166-A003 REV.02							
SL.NO.	TSGENCO/TCE Comment vide Transmittal no.: TCE.11005A-ME-VDT-375 dated 24.01.2020	BHEL REPLY	TSGENCO/TCE Comment vide Transmittal no.: 11005A-ME-VDT-435 dated 09.07.2020	BHEL REPLY	TSGENCO/TCE Comment vide Transmittal no.: TCE.11005A-ME-VDT-442 dt.23.07.2020	BHEL REPLY	Remarks
1	Indicate the toilets here BHEL to indicate separate toilet for Gents and Ladies Refer compressor layout drawing typical comment for all pump house GAdrawings	Noted and incorporated.	Noted	.....	.....	.....	
2	Indicate the charger details Indicate the battery room in details (UPS, 220V DC etc)	Revised control & battery room has been indicated. For detailed layout refer drawing no.PE-DG-417-100-E020 .	Noted.	.....	.....	.....	
3	Cable tray shall be arranged in u shape as shown and panel shall be marked accordingly in u shape	Control panel arrangement is shown in the drawing. For further details with respect to cabling, kindly refer cable tray layout refer drawing no. PE-DG-417-100-E020 .	Noted. However, the cable tray is not extended upto control room. BHEL to check.	For cable tray layout refer drawing no. PE-DG-417-100-E020 . Comments has been taken care in electrical drawing.	Noted	.....	
4	Indicate doors	Noted and incorporated.	Noted	.....	.....	.....	
5	Mark the Glass partion between operator room and panel/DCS room	Noted and incorporated.	Noted	.....	.....	.....	
6	Extend the cable tray as marked and locate the LVS, and operating pannel	Cabling layout covered in drawing no. PE-DG-417-100-E020 .	Noted.	.....	.....		
7	panel/DCS	Revised control & battery room has been indicated. For detailed layout refer drawing no.PE-DG-417-100-E020 .	Noted. However, the cable tray is not extended upto control room. BHEL to check.	For cable tray layout refer drawing no. PE-DG-417-100-E020 . Comments has been taken care in electrical drawing.	Noted	.....	
8	This portion shall be part of control room	Separate Battery Room has been provided. Please refer PE-DG-417-100-E020 for detailed layout.	Noted.	.....	.....	.....	
9	operator room	Noted and incorporated. For detailed layout refer drawing no.PE-DG-417-100-E020 .	Noted.	.....	.....	.....	
10	Indicate double here	Noted and incorporated. For detailed layout refer drawing no.PE-DG-417-100-E020.	Noted	.....	.....	.....	
11	is it door?	Noted and correctly represented in the drawing.	Noted	.....	.....	.....	
12	Indicate door Here	Noted and incorporated.	Noted	.....	.....	.....	
13	Please mark the tentative LT MCC sizing as the load list is already finalised.Indicate cable tray details Pipe rack entry/exit details Indicate the details Exhaust fan, LDB, eye washer , fuse box etc Fire roof doors are to be shown LDB with lighting transformer.	For details, kindly refer Electrical Cabling layout in FO (P&H) area; Drawing no.PE-DG-417-100-E020. Ventilation fan openings has been shown in the drawing	Noted.	.....	.....	.....	
14	BHEL to indicate two LDO pumps and strainers refer HPVP P&ID (1-00-056-U8007)	The same is in line with approved documents (refer Drawing No.0-00-056-11165, Title:Foundation and TP details- Fuel oil pressurizing pump and heater sets). Confirmation mail from BHEL- HPVP regarding space provided for LDO pumps (HPVP scope) is attached.	Noted	.....	.....	.....	
15	Please correct the text as LDO typical comment	Noted & corrected.	Noted	.....	.....	.....	
16	Mono rail shall be upto maintainence area how to take the equipment till maintainence area if monorail is not avaiable	Maintenance area has been provided separately for Fuel oil pressurizing pump and heater sets (refer between grid no. 9 and 10 in this drawing)	Noted	.....	.....	.....	
17	Correct the text as "Space for drain oil tank" Indicate the pump for drain oil tank (0-00-056-11169)	Noted & corrected.	Noted	.....	.....	.....	
18	Indicate the strainers for these pumps also	Noted & incorporated	Noted	.....	.....	.....	
19	BHEL to indicate the piping inside the pump house for proper review of this drawing. BHEL to maintain adequate space for free man movement for accessing strainers , valve etc.	The pipe routing drawing is part of detail engineering drawings which is under preparation (Drg. number 0-42-120-02481) and the same shall be submitted to customer. However we confirm that adequate space will be envisaged for free man movement for accessing strainers, valves etc. which is a standard practise in all our boilers.	Noted	.....	.....	.....	
20	Check the drafting error ,it is not clearly visible	Noted. The area has been indicated in dark. However, the details in this area of the pump house shall be in line with the approved documents (refer Drawing No.0-00-056-11165)	Noted	.....	.....	.....	
21	Please check the coordinates are not matching with plot plan (M001)rev.3	checked & confirmed.	Noted	.....	.....	.....	
22	Indicate the equipment details as shown in Raw water pump house	Noted & incorporated.	Noted	.....	.....	.....	
23	BHEL to furnish the small power distribution details drawing	Please refer drawing no.PE-DG-417-100-E020.	Noted.	.....	.....	.....	
24	Indicate all other related drawings	Noted and incorporated.	Noted	.....	.....	.....	

25	BHEL to submit the drawing after finalisation of all details	Combined pump house drawing has been prepared for freezing building dimensions which is based on considering maximum size of equipments. Further, following points may be noted: i)The dimension of Pressurising & Heating pump house area is in line with approved document (refer Drawing No.0-00-056-11165, Title:Foundation and TP details- Fuel oil pressurizing pump and heater sets) ii) Electrical MCC and Control Room is in line with document (refer drawing no.PE-DG-417-100-E020) iii) Fuel oil unloading (road) pumps and strainer set, maximum dimension has been considered.	Noted.	.....	.....	.....	
26	.....	.....	Indicate tool room	Noted & indicated tool room (refer grid 1a-1b)	Noted.	.....	
27	.....	.....	Control room layout is not legible/ text is not clear typical comment/ Text is over lapping, please check typical comment	Noted & corrected.	Noted, however please refer the comment marked on the drawing	Noted. Comments indicated below at Sl.No.29, 30 & 31	
28	.....	.....	Width of the rolling shutter shall be 4.5m (minimum) and shutter shall be motor operated	Noted & incorporated.	Noted	.....	
29	.....	.....	.....	.....	Distance between the panels shall be 1100mm as in CCR, same philosophy shall be followed for all control rooms	Noted & incorporated	
30	.....	.....	.....	.....	BHEL to indicate the approach to the pit and give details for sump pump etc in separate section veiw	i)For approach to the pit, please refer drawing (Drawing no.PE-DG-417-634-C022,Title:FUEL OIL PUMP HOUSE- GA AND RC DETAILS OF GRADE SLAB) ii)For detailsof sump pump etc in separate section view, please refer details N of drawing (Drawing no.0-00-056-11165, Title: FOUNDATION & TP DETAILS- FOPPH & HEATER SET)	
31	.....	.....	.....	.....	show the approach road	Noted & incorporated	