



Enquiry Ref. No.:- PE/PG/THD/E-6763/2021 dated 16.09.2021

Project : 2X660MW KHURJA SUPER THERMAL POWER PROJECT

Package: Lighting Fixtures, Lamps & Misc. items

DUE DATE
25.10.2021
BY 02:00 P.M.

Ref. :- PE/PG/THD/E-6763/2021/C4

Date 18.10.2021

CORRIGENDUM-4

Following points shall be part of NIT :

1. Layout of various floors of service building are enclosed.

Impact of Minor modification (if done during detailed engg stage), on lighting system, to be taken care by bidders without any cost implication to BHEL.

2. Due date of the tender is extended to 2:00 P.M. of 25.10.2021, bid shall be opened on 25.10.2021 at 5:00 PM.

With Regards,

(Saumya Pandey)
Dy Manager/PG-I
BHEL-PEM

Saumya Pandey
DY MANAGER/PG-I,
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)
(OFF) 0120-4213543

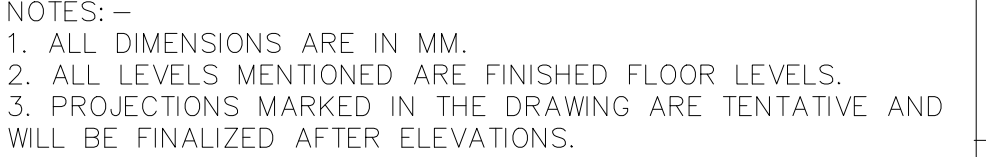
Regd. Office:
BHEL House
Siri Fort
New Delhi-110049



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		DESJN	PINKU	PINK	17/5/21
		CHD	PINKU	PINK	17/5/21
		APPD	ANURAG	ANG	17/5/21

SERVICE BUILDING FIRST FLOOR MASONRY LAYOUT & D/W SCHEDULE AT EL (+)4.25M									
MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE 1:100	DRAWING NO.		
					SIGN		PE-DG-475-640-C002		
					DATE		SHEET 1 OF 1		REV. 2

Oct 01, 2021 - 3:00pm
FORMAT SIZE A1



REFERENCE DRAWING NO: -

ARCHITECTURAL DRAWINGS:—

1.	9915-371-110-PEM-PVC-V-351	PE-DG-475-640-C000	ARCH. THIRD FLOOR PLAN.
2.	9915-371-110-PEM-PVC-V-352	PE-DG-475-640-C001	ARCH. SECOND FLOOR PLAN.
3.	9915-371-110-PEM-PVC-V-353	PE-DG-475-640-C002	ARCH. FIRST FLOOR PLAN.
4.	9915-371-110-PEM-PVC-V-354	PE-DG-475-640-C004	ARCH. THIRD FLOOR PLAN.
5.	9915-371-110-PEM-PVC-V-355	PE-DG-475-640-C005	ARCH. FOURTH FLOOR PLAN.
6.	9915-371-110-PEM-PVC-V-356	PE-DG-475-640-C006	ARCH. TERRACE FLOOR PLAN.
6.	9915-371-110-PEM-PVC-V-358	PE-DG-475-640-C008	ARCH. ELEVATION
7.	9915-371-110-PEM-PVC-V-359	PE-DG-475-640-C009	ARCH. ELEVATION
8.	9915-371-110-PEM-PVC-V-360	PE-DG-475-640-C010	ARCH. SECTIONS
10.	9915-371-110-PEM-PVC-V-357	PE-DG-475-640-C007	ARCH. SKIN SECTIONS
11.	9915-371-110-PEM-PVC-V-361	PE-DG-475-640-C011	3D VIEWS

LEGENDS:	
	250 MM THICK AAC BLOCK FULL HEIGHT WALL
	230 MM THICK FULL HEIGHT BRICK WALL IN LIFT
	200 MM THICK AAC BLOCK WALL HEIGHT UPTO FALSE CEILING
	150 MM AAC BLOCK (PARTITION) WALL HEIGHT UPTO 2200MM.
	LEVEL MARK
	LEVEL DROP
	COLUMN

FIRST FLOOR Δ			
S.NO.	ROOM	CAPACITY (PERSONS)	NO. OF ROOMS
1	CONFERENCE ROOM	84	1
2	A.H.U. ROOM		1
3	MEETING ROOM	14	1
4	WORKSTATIONS		44
5	EXECUTIVE ROOMS + TOILET	1	3
6	P.A. CABINS	1	3
7	EXECUTIVE ROOMS	1	4
8	IT SWITCH PANEL		1
9	ST. CASE		2
10	LIFT		1
11	MALE, FEMALE & DISABLED TOILET		1
12	PANTRY		1

NTPC DRAWING NO. 9915-371-110-PEM-PVC-V-352

PROJECT : 2x660 MW KHURJA THERMAL POWER STATION

OWNER : **एन टी पी सी लिमिटेड**
NTPC Limited
(A Government of India Enterprise)
CONSULTANCY WING

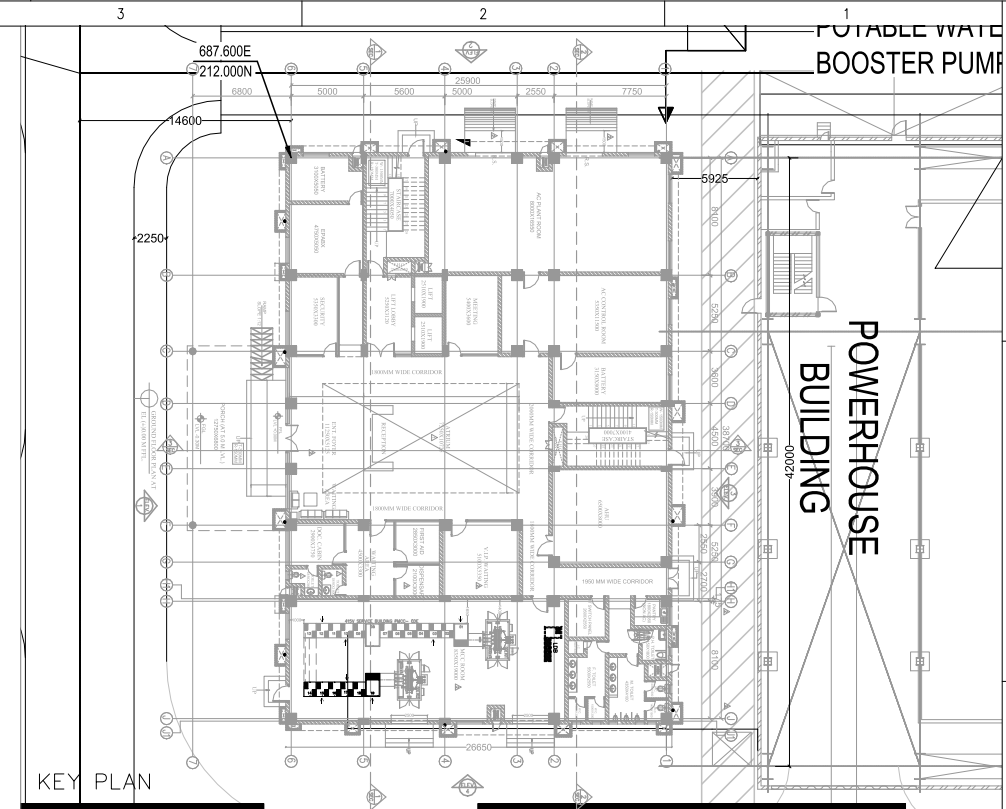
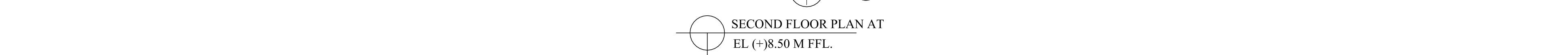
 **BHARAT HEAVY ELECTRICALS LTD**
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT

GREEN BUILDING DESIGN CONSULTANT:

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		DESIN	PINKU	PINKU	17/5/21
		DHD	PINKU	PINKU	17/5/21
		UNPT	PINKU	PINKU	17/5/21

TITLE		APP'D	REVISED	ANL	11/15/21
SERVICE BUILDING					
FIRST FLOOR MASONRY LAYOUT & D/W SCHEDULE AT EL (+)4.25M					

	MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE 1:100	DRAWING NO.	
						SIGN	 	PE-DG-475-640-C002	
						DATE		SHEET 1 OF 1	
								REV.	2



NOTES: -

1. ALL DIMENSIONS ARE IN MM.
2. ALL LEVELS MENTIONED ARE FINISHED FLOOR LEVELS.
3. PROJECTIONS MARKED IN THE DRAWING ARE TENTATIVE AND WILL BE FINALIZED AFTER ELEVATIONS.

REFERENCE DRAWING NO: —

ARCHITECTURAL DRAWINGS: –

ARCHITECTURAL DRAWINGS -			
2019-01-10	915-371-110-PEM-PVC-V-352	PE-DG-475-640-C001	ARCH. GROUND FLOOR PLAN.
2019-01-10	915-371-110-PEM-PVC-V-352	PE-DG-475-640-C002	ARCH. FIRST FLOOR PLAN.
2019-01-10	915-371-110-PEM-PVC-V-355	PE-DG-475-640-C004	ARCH. THIRD FLOOR PLAN.
2019-01-10	915-371-110-PEM-PVC-V-355	PE-DG-475-640-C005	ARCH. FOURTH FLOOR PLAN.
2019-01-10	915-371-110-PEM-PVC-V-358	PE-DG-475-640-C006	ARCH. FIFTH FLOOR PLAN.
2019-01-10	915-371-110-PEM-PVC-V-358	PE-DG-475-640-C008	ARCH. ELEVATION
2019-01-10	915-371-110-PEM-PVC-V-358	PE-DG-475-640-C009	ARCH. ELEVATION
2019-01-10	915-371-110-PEM-PVC-V-360	PE-DG-475-640-C010	ARCH. ELEVATION
2019-01-10	915-371-110-PEM-PVC-V-367	PE-DG-475-640-C007	ARCH. SKN SECTIONS
2019-01-10	915-371-110-PEM-PVC-V-351	PE-DG-475-640-C011	3D VIEWS

LEGENDS:

	250 MM THICK AAC BLOCK FULL HEIGHT WALL
	230 MM THICK FULL HEIGHT BRICK WALL IN LIFT
	200 MM THICK AAC BLOCK WALL HEIGHT UPTO
	FALSE CEILING
	150 MM AAC BLOCK (PARTITION) WALL HEIGHT UPTO 2200MM
	LEVEL MARK
	LEVEL DROP
	COLUMN

SECOND FLOOR 			
S.NO.	ROOM	CAPACITY (PERSONS)	NO. OF ROOMS
1	A.H.U. ROOM		1
2	MEETING ROOM	14	1
3	WORKSTATIONS		65
4	SR. EXECUTIVE ROOMS +TOILET	1	4
5	P.A. CABINS	1	4
6	EXECUTIVE ROOMS	1	5
8	SWITCH PANEL		1
9	ST. CASE		2
10	LIFT		1
11	MALE, FEMALE& DISABLED TOILET		1
12	PANTRY		1

SECOND FLOOR PLAN AT
EL (+)8.50 M FFL.

JOB NO.
STATUS
DRG./REF. NO. (INTERNAL)
PRINT SCALE IN METRE

REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD
△	01.10.21	PINKI	VINOD	ANURAG	△	21.07.21	PINKI	KRITI	ANURAG
1.	DRAWINGS REVISED AS PER COMMENTS RECEIVED. RY.N.T.P.C.ON.16.08.21				1.	DRAWINGS REVISED AS PER COMMENTS RECEIVED. RY.N.T.P.C.ON.08.07.21			

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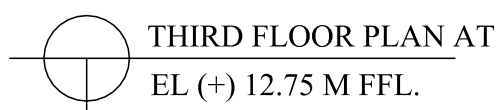
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DRAWING	NAME	SIGN	DATE
DRN	PINKO	PINK	17/5/21
DES	PINKO	PINK	17/5/21
CHD	PINKO	PINK	17/5/21

TITLE	REV. D	REV. C	REV. B	REV. A
<u>SERVICE BUILDING</u> SECOND FLOOR MASONRY LAYOUT & D/W SCHEDULE AT EL (+)8.5M				

	MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE 1:100	DRAWING NO. PE-DG-475-640-C003		
						SIGN DATE		SHEET 1 OF 1		REV. 2

Oct 01, 2021 - 3:01pm
FORMAT SIZE A



THIRD FLOOR 			
S.NO.	ROOM	CAPACITY (PERSONS)	NO. OF ROOMS
1	A.H.U. ROOM		1
2	VIDEO CONFERENCE	13	1
3	WORKSTATIONS		62
4	SR. EXECUTIVE ROOMS + TOILET	1	4
5	P.A. CABINS	1	4
6	EXECUTIVE ROOMS	1	3
8	IT SWITCH PANEL		1
9	ST. CASE		2
10	LIFT		1
11	MALE, FEMALE & DISABLED TOILET		1
12	PANTRY.		1

NTPC DRAWING NO.		9915-371-110-PEM-PVC-V-354	
PROJECT : 2x660 MW KHURJA THERMAL POWER STATION			
OWNER :		 NTPC Limited (A Government of India Enterprise) CONSULTANCY LIMITED	
 BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NEW DELHI			
GREEN BUILDING DESIGN CONSULTANT:			
 GREENTREE BUILDING ENERGY (P) LTD.			

REV	DATE	PINKI	CHD	APPD	REV	DATE	PINKI	CHD	APPD
	01.10.21	ALND	VIND	ANURAG		21.07.21	ALND	PINKI	KRITI
1.	DRAWINGS REVISED AS PER COMMENTS RECEIVED BY N.T.P.C ON 16.08.21				1.	DRAWINGS REVISED AS PER COMMENTS RECEIVED BY N.T.P.C ON 08.07.21			

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DRAWING	NAME	SIGN	DATE
GEN	PINKI	CHD	17/07/21
APP	ANURAG	PINKI	17/07/21
CSP	ANURAG	PINKI	17/07/21

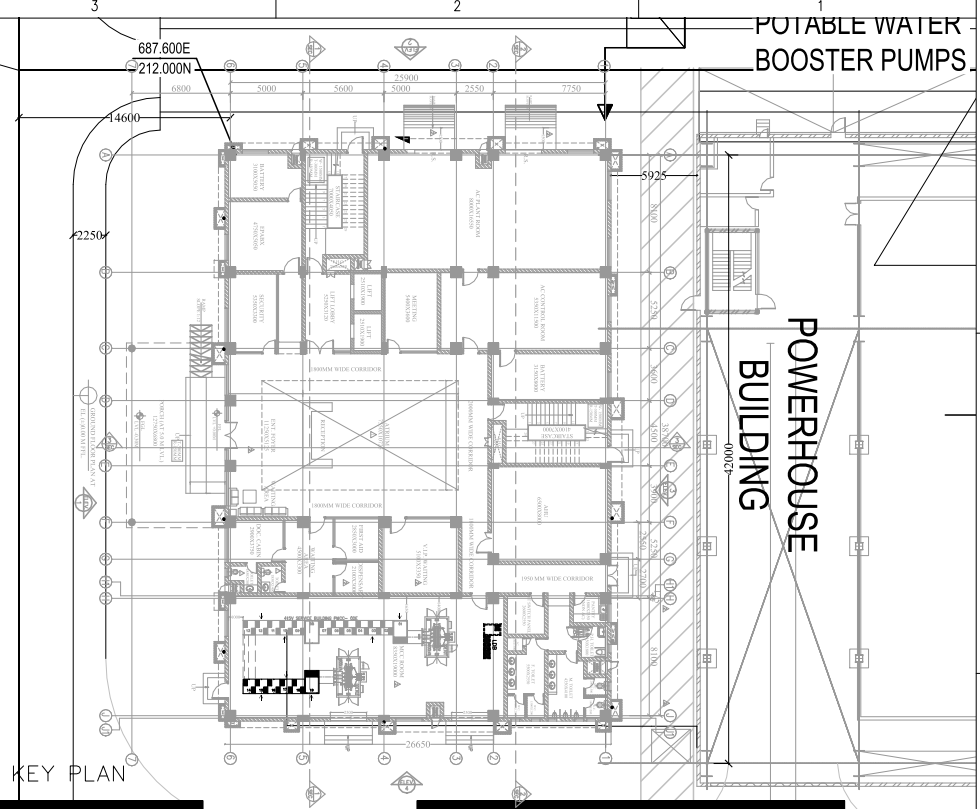
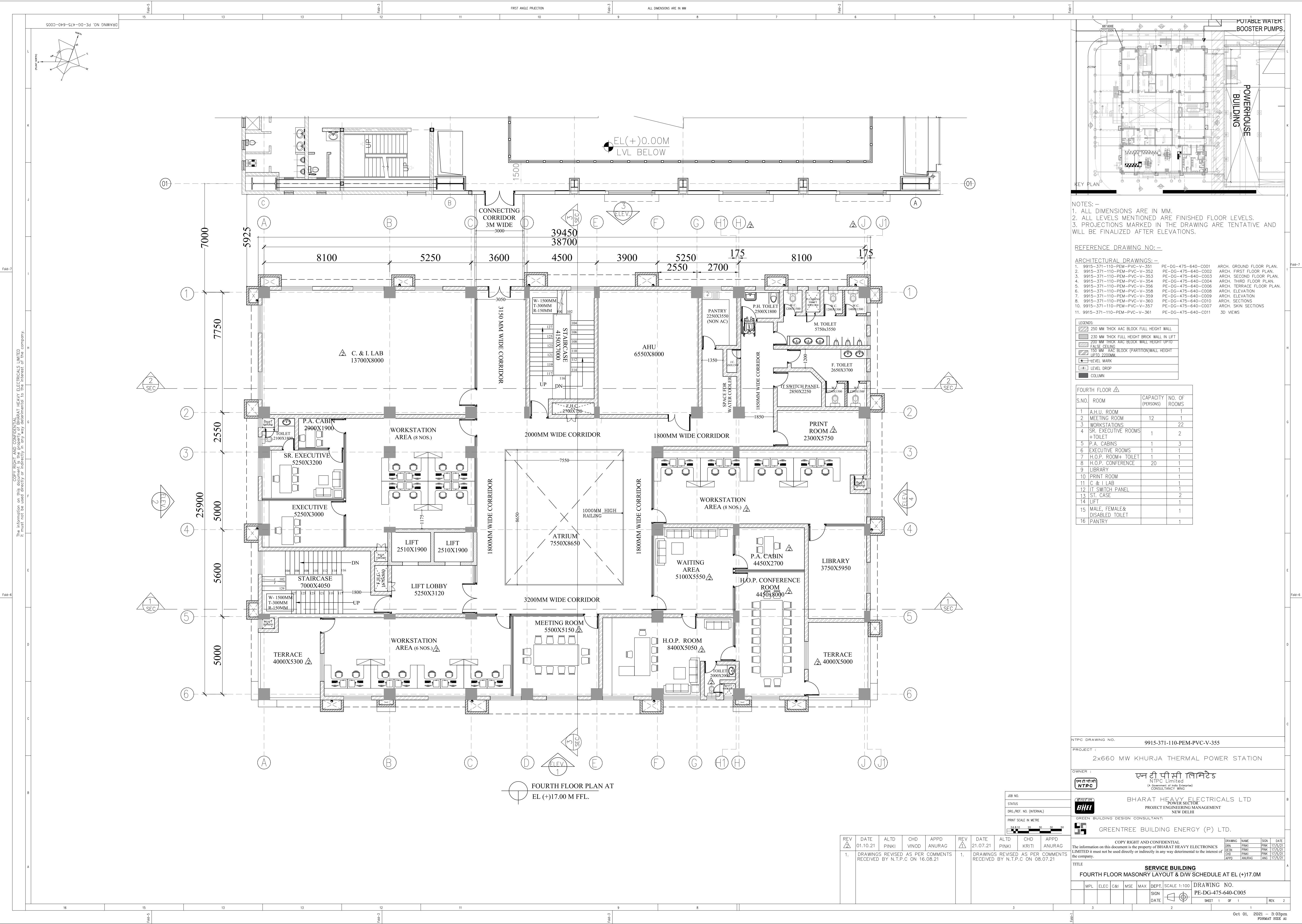
TITLE

THIRD FLOOR MASONRY LAYOUT & DW SCHEDULE AT EL +12.75M

SERVICE BUILDING

MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE	1:100	DRAWING NO.
								PE-DG-475-640-C004
								SHEET 1 OF 1
								REV. 2

Oct 01, 2021 - 3:06pm
FORMAT SIZE A



NOTES: -
1. ALL DIMENSIONS ARE IN MM.
2. ALL LEVELS MENTIONED ARE FINISHED FLOOR LEVELS.
3. PROJECTIONS MARKED IN THE DRAWING ARE TENTATIVE AND WILL BE FINALIZED AFTER ELEVATIONS.

REFERENCE DRAWING NO: -
ARCHITECTURAL DRAWINGS: -
1. 9915-371-110-PEM-PVC-V-351 PE-DG-475-640-C001 ARCH. GROUND FLOOR PLAN.
2. 9915-371-110-PEM-PVC-V-352 PE-DG-475-640-C002 ARCH. FIRST FLOOR PLAN.
3. 9915-371-110-PEM-PVC-V-353 PE-DG-475-640-C003 ARCH. SECOND FLOOR PLAN.
4. 9915-371-110-PEM-PVC-V-354 PE-DG-475-640-C004 ARCH. THIRD FLOOR PLAN.
5. 9915-371-110-PEM-PVC-V-355 PE-DG-475-640-C005 ARCH. TERRACE FLOOR PLAN.
6. 9915-371-110-PEM-PVC-V-356 PE-DG-475-640-C006 ARCH. ELEVATION.
7. 9915-371-110-PEM-PVC-V-357 PE-DG-475-640-C007 ARCH. ELEVATION.
8. 9915-371-110-PEM-PVC-V-358 PE-DG-475-640-C008 ARCH. ELEVATION.
9. 9915-371-110-PEM-PVC-V-359 PE-DG-475-640-C009 ARCH. ELEVATION.
10. 9915-371-110-PEM-PVC-V-360 PE-DG-475-640-C010 ARCH. SECTIONS.
11. 9915-371-110-PEM-PVC-V-361 PE-DG-475-640-C011 ARCH. SKIN SECTIONS.

LEGENDS:

250 MM THICK AAC BLOCK FULL HEIGHT WALL
230 MM THICK FULL HEIGHT BRICK WALL IN LIFT
200 MM THICK AAC BLOCK WALL HEIGHT UPTO 2200MM
FALSE CEILING
150 MM AAC BLOCK (PARTITION) WALL HEIGHT UPTO 2200MM
LEVEL MARK
LEVEL DROP
COLUMN

FOURTH FLOOR

S.NO.	ROOM	CAPACITY (PERSONS)	NO. OF ROOMS
1	A.H.U. ROOM	12	1
2	MEETING ROOM	12	1
3	WORKSTATIONS	1	22
4	SR. EXECUTIVE ROOMS + TOILET	1	2
5	P.A. CABINS	1	3
6	EXECUTIVE ROOMS	1	1
7	H.O.P. ROOM + TOILET	1	1
8	H.O.P. CONFERENCE	20	1
9	LIBRARY	1	1
10	PRINT ROOM	1	1
11	C & I LAB	1	1
12	LIT. SWITCH PANEL	1	1
13	ST. CASE	2	1
14	LIFT	1	1
15	MALE, FEMALE & DISABLED TOILET	1	1
16	PANTRY	1	1

NTPC DRAWING NO. 9915-371-110-PEM-PVC-V-355
PROJECT : 2x660 MW KHURJA THERMAL POWER STATION
OWNER : NTPC Limited
BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI
GREEN TREE BUILDING DESIGN CONSULTANT:
GREEN TREE BUILDING ENERGY (P) LTD.

JOB NO. _____
STATUS _____
Dwg. REF. NO. (INTERNAL) _____
PRINT SCALE IN METRE _____

REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD
1.	01.10.21	PINKI	VINOD	ANURAG	1.	21.07.21	PINKI	KRITI	ANURAG

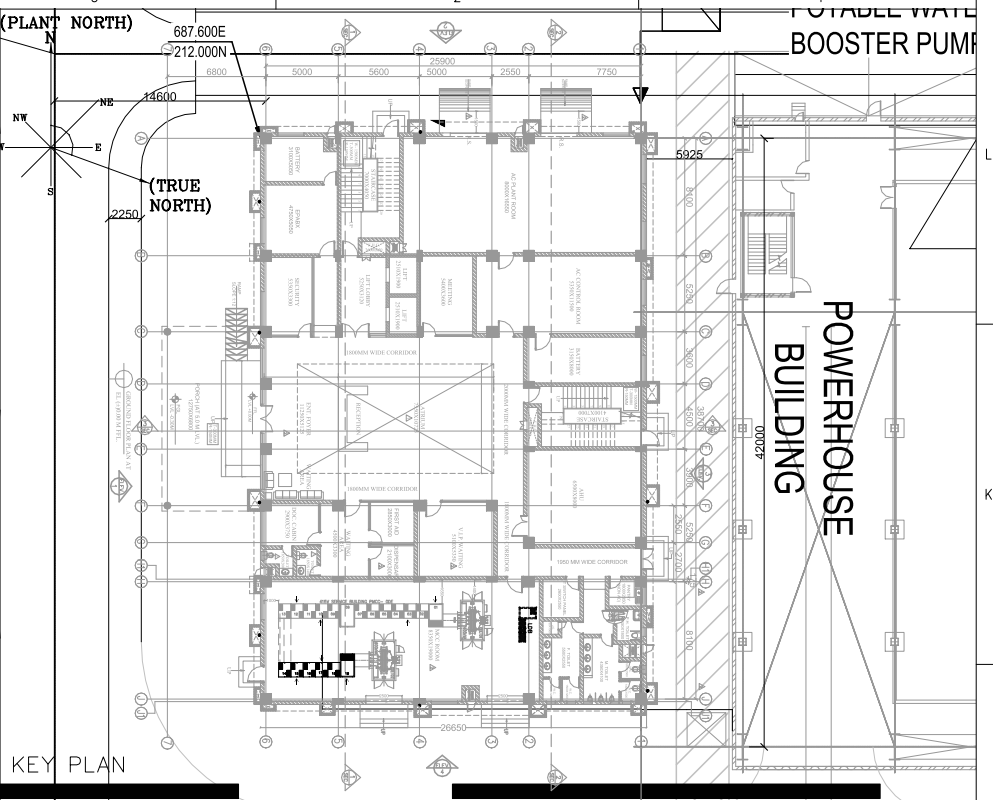
1. DRAWINGS REVISED AS PER COMMENTS RECEIVED BY N.T.P.C ON 16.08.21

1. DRAWINGS REVISED AS PER COMMENTS RECEIVED BY N.T.P.C ON 08.07.21

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DRAWING	NAME	IGN	DATE
DRN	PINKI	PRK	17/5/21
DES	PINKI	PRK	17/5/21
APPD	ANURAG	ANG	17/5/21

TITLE
FOURTH FLOOR MASONRY LAYOUT & DW SCHEDULE AT EL (+)17.00M
DRAWING NO. PE-DG-475-640-C005
SHEET 1 OF 1



NOTES: -

1. ALL DIMENSIONS ARE IN MM.
2. ALL LEVELS MENTIONED ARE FINISHED FLOOR LEVELS.
3. PROJECTIONS MARKED IN THE DRAWING ARE TENTATIVE AND WILL BE FINALIZED AFTER ELEVATIONS.

REFERENCE DRAWING NO: —

ARCHITECTURAL DRAWINGS:-			
1. 9915-371-110-PEM-PVC-V-351	PE-DG-475-640-C001	ARCH. GROUND FLOOR PLAN	
2. 9915-371-110-PEM-PVC-V-352	PE-DG-475-640-C002	ARCH. FIRST FLOOR PLAN	
3. 9915-371-110-PEM-PVC-V-353	PE-DG-475-640-C003	ARCH. SECOND FLOOR PLAN	
4. 9915-371-110-PEM-PVC-V-354	PE-DG-475-640-C004	ARCH. THIRD FLOOR PLAN	
5. 9915-371-110-PEM-PVC-V-355	PE-DG-475-640-C005	ARCH. FOURTH FLOOR PLAN	
6. 9915-371-110-PEM-PVC-V-358	PE-DG-475-640-C008	ARCH. ELEVATION	
7. 9915-371-110-PEM-PVC-V-359	PE-DG-475-640-C009	ARCH. ELEVATION	
8. 9915-371-110-PEM-PVC-V-360	PE-DG-475-640-C010	ARCH. SECTIONS	
10. 9915-371-110-PEM-PVC-V-367	PE-DG-475-640-C007	ARCH. SKIN SECTIONS	
11. 9915-371-110-PEM-PVC-V-361	PE-DG-475-640-C011	3D VIEWS	

LEGENDS:	
	250 MM THICK AAC BLOCK FULL HEIGHT WALL
	230 MM THICK FULL HEIGHT BRICK WALL IN LIFT
	200 MM THICK AAC BLOCK WALL HEIGHT UPTO FALSE CEILING
	150 MM AAC BLOCK (PARTITION) WALL HEIGHT UPTO 2200MM
	LEVEL MARK
	LEVEL DROP
	COLUMN

PROJECT DRAWING NO.		9915-371-110-PEM-PVC-V-356																					
PROJECT :		2x660 MW KHURJA THERMAL POWER STATION																					
OWNER :		 एन टी पी सी लिमिटेड NTPC Limited (A Government of India Enterprise) CONSULTANCY WING																					
 भारत भारी बिजलीय मशीन BHARAT HEAVY ELECTRICALS LTD. POWER SECTOR PROJECT ENGINEERING MANAGEMENT NEW DELHI																							
GREEN BUILDING DESIGN CONSULTANT:																							
 GREENTREE BUILDING ENGINEERING (P) LTD.																							
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DRAWING	NAME	SIGN	DATE																				
GEN.	PMNO	PMNO	17/5/21																				
DES.	PMNO	PMNO	17/5/21																				
CHK.	PMNO	PMNO	17/5/21																				
APPD.	PMNO	PMNO	17/5/21																				
TITLE		SERVICE BUILDING																					
ROOF MASONRY LAYOUT AND D/W SCHEDULE AT EL (+)21.25M																							
MPL	ELC	C&I	MSE																				
MAX	DEPT.	SCALE	1:100																				
SIGN	DATE	DRAWING NO.																					
		PE-DG-475-64-C006																					
SHEET		1	OF 1																				
REV		2																					

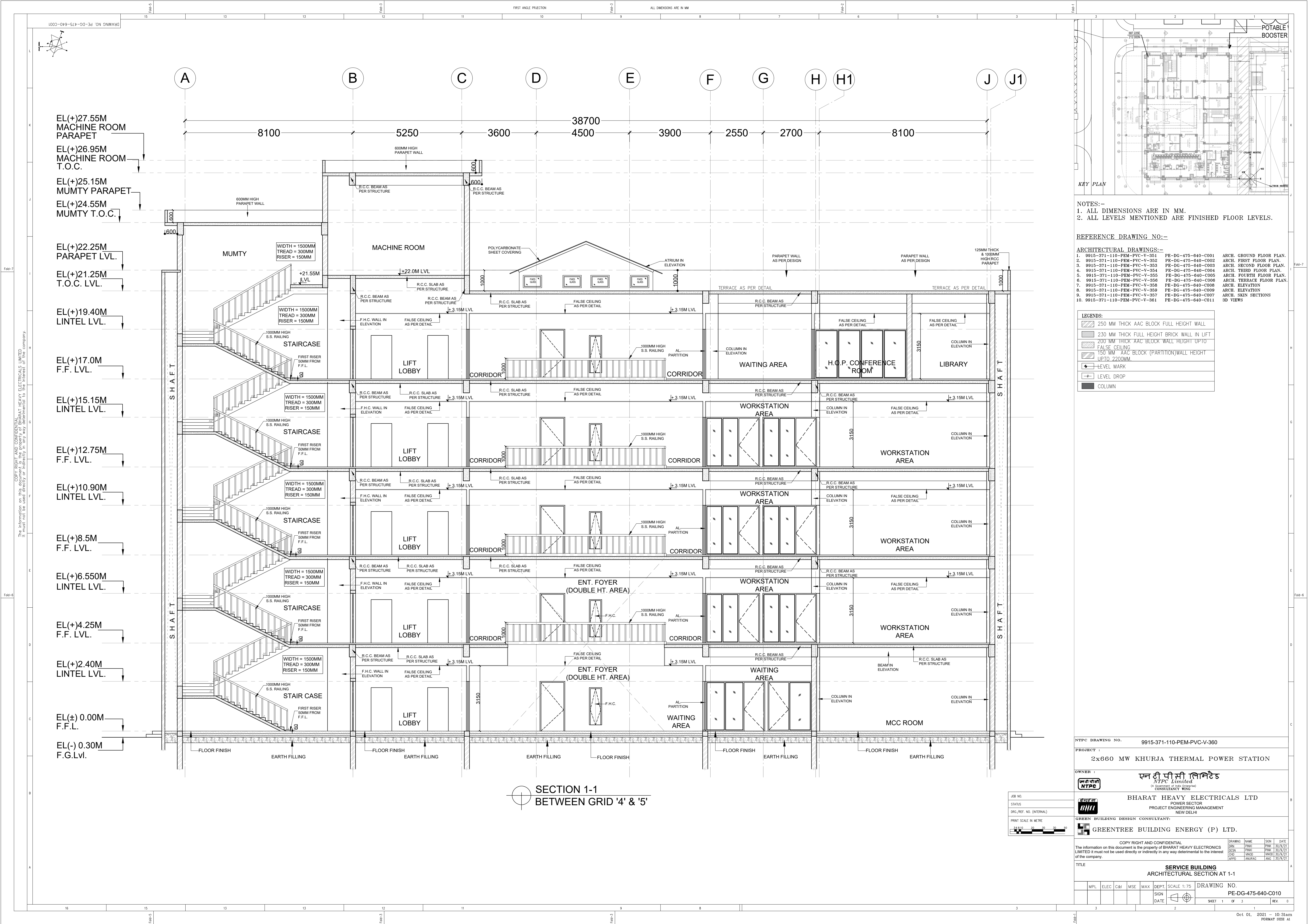
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TITLE SERVICE BUILDING
ROOF MASONRY LAYOUT AND D/W SCHEDULE AT EL (+)21.25M

	MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE 1:100	DRAWING NO. PE-DG-475-640-C006	
						SIGN			
						DATE		SHEET 1 OF 1	REV. 2

PROJECT 2X660 KHURJA TPP					
CRS sheet: Service building ARCHITECTURAL PLAN DRAWINGS					
NTPC Drawing No	Drawing Title	NTPC Comments 08.07.2021	BHEL REPLY 23.07.2021	NTPC Comments 16.08.2021	BHEL REPLY 01.10.2021
9915-371-110-PEM-PVC-V-351	Architectural Ground Floor Plan at EL (+)0.00 M	1. Two Rolling shutter in AC Plant Room	Noted & Incorporated.	1. Indicate clear height of MCC room. Height of MCC room with bus duct shall be min. 4500mm	The floor to floor height of MCC ROOM consider is 4.25 as per Technical specification.
		2. Mark Ramp Landing	Noted & Incorporated.	2. Mark 1500 mm wide landing in Ramp of AC Plant room	1500 mm wide landing has been provided as per comment.
		3. Mark Door in MCC Room and AC Control Room	Noted & Incorporated.	3. maintain min. 15M clearence from road level	14.60M From road C/L to grid -6 C/L is available.Due to space constraint as per plot plan the same has been provided.
		4. Mark Waiting Area	Noted & Incorporated.	4. coordinate to be marked of power house building	Coordinate incorprated in drawings at ground floor level..
		5. Mark Waiting area in Entrance Foyer	Noted & Incorporated.	5. Trench to be provided in AC control room for placement of PLC Panels and Chareger.	Trench layout and details will be covered in structure grade slab drawing after finalization of the AC cotrol room layout.
		6. Full Height Glazing with Ent. Door	Noted & Incorporated.	6.Slit to be provided between AC Control Room and Battery room.	Details will be covered in structure grade slab drawing after finalization of the AC cotrol room layout.
		7. Provide Double Ht. in Ent. Foyer	Noted & Incorporated.	7.Control room shall be air conditioned and battery room shall be air ventilated.	Noted.
		8. Ramp Clashes with Steps	Noted & Incorporated.	8. False ceiling to be provided for control room with min. 3 mtr. height from FFL.	Noted, same will be covered in false ceiling drawing.
		9. Door Change in Doc. Cabin Toilet and provision of toilet	Noted & Incorporated.	10. Please check and revise distance between power house and service building	centre to centre distance of 7m considered b/w power house and service building.
		10. Increase Atrium size atleast 1m.	Noted & Incorporated.	11. Refer comments on drawing no. 9915-371-110-PEM-PVC-V-355-01 and revise column location accordingly.	Noted and provided.
		11. South Face Building Provide Less Glazing	Details will be done as per griha green building and Elevation Requirement	12. Mark drinking water facilities.	Noted and provided.
		12. C & I Lab Room Check size	The size of C&I lab shall be confirmed BY THDC/NTPC. As it is not unde the scope of BHEL.	13. Mark coordinates of road centre line	Noted and provided.
		13. Provide Elevation and Section Details Along with Block View	Elevation and section details will be submitted susequetly after finlizing of basic planning and form of the building.	14. Comment resolution sheet of R0 revision to be attached	Noted and provided, kindly refer the same along with this sheet.
		14. Area Specified as per spec. is 4500 sqm	Area of the building provided based on requiriements. Hence it is increased. NTPC may plese advice for the reducing the requiriement for redcuton in area.		
		15. Please confirm to clause no. 5.02.04 Service Building and provisions of service building in Chapter 9 of Civil Work Specification	Noted and comply as per consider for GRIHA BUILDING DESIGNING.		
9915-371-110-PEM-PVC-V-352	Architectural First Floor Plan at EL (+)4.25 M	1. Dimension from Power House Building	Noted & Incorporated.	1. Revise the layout near the pantry area in reference of pantry door , J.C. and drinking water location.	Noted, to maintain the privacy and seggreagte the toilet area passage with pantry the layout has been changed. Kindly review.
		2. Mark Door in Workstation area	Noted & Incorporated.	2. Mark the screen wall in front of the toilet near conference room.	Noted, Screen wall is marked in front of the toilet.
		3. Check Toilet Size	Layout revised and updated.	3. Revise the Floor Level as per height of MCC room	No change in MCC room height as per dscussion with THDC/ NTPC.
		4. Re- Workout Toilet and Pantry Layout	Layout revised and updated.	4. please refer to comments on drg 9915-371-110-PEM-PVC-V-352-01	Noted and provided.
				5. Mark Front passage in atrium area	1800mm front passage is marked as per comment
9915-371-110-PEM-PVC-V-353	Architectural Second Floor Plan at EL (+)8.5 M	1. Check Toilet Size	Layout revised and updated.	1.Outside title of the drawing is SERVICE BUILDING : SECOND FLOOR MASONRY LAYOUT & D/W SCHEDULE Please correct this requesting to TASK FORCE BEFORE NEXT REVISION SUBMISSION	Noted,Drawing Title is revised as per MDL title
		2. Move Executive Room Wall	Noted & Incorporated	2. Revise the Floor Level as per height of MCC room	No change in MCC room height.
		3. Mark Door in Workstation Area	Noted & Incorporated	3. Please refer to comments on 9915-371-110-PEM-PVC-V-352-01	Noted and provided.
		4. Re- Workout Toilet and Pantry Layout	Noted & Incorporated	4. Revise the Atrium cutout area	ATRIUM cutout area has not been increased as it will reduce the seating capacity same will be dicussed and expained during meeting.
				5. Revise the layout near the pantry area in reference of pantry door , J.C. and drinking water location.	Noted, to maintain the privacy and seggreagte the toilet area passage with pantry the layout has been changed. Kindly review.

9915-371-110-PEM-PVC-V-354	Architectural Third Floor Plan at EL (+)12.75 M	1. Check Toilet Size	Layout revised and updated.	1. Revise the Floor Level as per height of MCC room	No change in MCC room height.
		2. Mark Door in Workstation area	Noted & Incorporated.	2. Please refer to comments on 9915-371-110-PEM-PVC-V-352-0	Noted and provided.
		2. Move Executive Room Wall	Noted & Incorporated	3. Revise the layout near the pantry area in reference of pantry door, J.C. and drinking water location.	Noted, to maintain the privacy and seggreagte the toilet area passage with pantry the layout has been changed. Kindly review.
		4. Re- Workout Toilet and Pantry Layout	Layout revised and updated.	4. Revise the Atrium cutout area	
9915-371-110-PEM-PVC-V-355	Architectural Fourth Floor Plan at EL (+)17.00M	1. Check Toilet Size	Layout revised and updated.	1. Revise the Floor Level as per height of MCC room	ATRIUM cutout area has not been increased as it will reduce the seating capacity same will be dicussed and expained during meeting.
		2. Mark Door in Workstation area	Noted & Incorporated.	2.Please refer equipment layout and revise connecting corridor location. Accordingly Service building arrangement to be revised.	The connecting Corridor provide at 17.00 m level are as per the equipment layout drawing
		3. Move Door in Library	Noted & Incorporated.	3.please mark the dimensions and confirm if centre line is matching of connecting corridor.	Noted.as per the structural column layout at ground and other floor the location has been provided.
		4. Re- Workout Toilet and Pantry Layout	Noted & Incorporated	4. Kindly relocate print room as the area of C&I lab seems less.	Print Room location is revised and located near the Library .
		5. The Approach Corridor revised to 3 m. width	Layout revised and updated.	5. C&I lab shall be air conditioned and false ceiling height shall be min 3 mtrs from FFL	Noted. The false ceiling heght will be 2.8 as the floor to floor height will be 4.25 m as per specification.false ceiling layout will be covered in false ceiling drawings.
				6. Revise the Atrium cutout area	Noted. REF reply above.
				7. Revise the layout near the pantry area in reference of pantry door, J.C. and drinking water location.	Noted. REF reply above.
9915-371-110-PEM-PVC-V-356	Architectural Terrace Plan at EL (+)21.25M	1. Mark Cage Ladder	Noted & Incorporated	1. Revise the Floor Level as per height of MCC room	No change in MCC room height.
				2. Revise the Atrium cutout area	Noted. REF reply above.
				3. Mark trap door in Machine Room	Noted and incorporated.
				4. c/l coordinate/distance from axis to be marked in conneting corridor	Noted.
				5. Dimension to be marked in connecting corridor	clear dimension of connecting corridor is 3 m. is marked.
				6. Indicate reference architecture drawing for connecting corridor.	Noted and incorporated.
				7. 9915-371-110-PEM-PVC-V-126-01 reference to be marked	Noted.
	Other Comments			1. BHEL to ensure and confirm floor openings pertaining to HVAC. BHEL to ensure floor/roof/beam design accordingly as per load & foundation details for HVAC equipment.	Noted.
				2. BHEL-PEM-Civil section is requested to discuss with BHEL-PEM-HVAC section in totality in respect of wall/floor openings/foundation details [Size, Nos., Locating dimensions (both X-axis as well as Y-axis) & Relative orientation] to avoid: (i) fouling, floor cutting/piercing/modification during execution stage. (ii) unused floor openings resulting in safety issues during O&M stage.	Noted and same will be taken care during detial engineering.
				3. HVAC details (Design Memorandum/DBR, Equipment Sizing/Selection, etc.) are yet to be finalized. BHEL is requested to expedite the same.	Noted.
				4. Comment resolution of previous revision to be given	Noted and provided.



SECTION 1-1
BETWEEN GRID '4' & '5'

NOTES:-
1. ALL DIMENSIONS ARE IN MM.
2. ALL LEVELS MENTIONED ARE FINISHED FLOOR LEVELS.

- REFERENCE DRAWING NO:-
- ARCHITECTURAL DRAWINGS:-
- | | | |
|--------------------------------|--------------------|---------------------------------|
| 1. 9915-371-110-PEM-PVC-V-351 | PE-DG-475-640-C001 | ARCH. GROUND FLOOR PLAN. |
| 2. 9915-371-110-PEM-PVC-V-352 | PE-DG-475-640-C002 | ARCH. FIRST FLOOR PLAN. |
| 3. 9915-371-110-PEM-PVC-V-353 | PE-DG-475-640-C003 | ARCH. SECOND FLOOR PLAN. |
| 4. 9915-371-110-PEM-PVC-V-354 | PE-DG-475-640-C004 | ARCH. THIRD FLOOR PLAN. |
| 5. 9915-371-110-PEM-PVC-V-355 | PE-DG-475-640-C005 | ARCH. FOURTH FLOOR PLAN. |
| 6. 9915-371-110-PEM-PVC-V-356 | PE-DG-475-640-C006 | ARCH. TERRACE FLOOR PLAN. |
| 7. 9915-371-110-PEM-PVC-V-357 | PE-DG-475-640-C007 | ARCH. ELEVATION |
| 8. 9915-371-110-PEM-PVC-V-358 | PE-DG-475-640-C008 | ARCH. ELEVATION |
| 9. 9915-371-110-PEM-PVC-V-359 | PE-DG-475-640-C009 | ARCH. ELEVATION |
| 10. 9915-371-110-PEM-PVC-V-360 | PE-DG-475-640-C010 | ARCH. SKIN SECTIONS
3D VIEWS |

- LEGENDS:
- 250 MM THICK AAC BLOCK FULL HEIGHT WALL
 - 230 MM THICK FULL HEIGHT BRICK WALL IN LIFT
 - 200 MM THICK AAC BLOCK WALL HEIGHT UPTO 2.200MM
 - FALSE CEILING
 - 150 MM AAC BLOCK (PARTITION) WALL HEIGHT UPTO 2.200MM
 - LEVEL MARK
 - LEVEL DROP
 - COLUMN

NTPC DRAWING NO. 9915-371-110-PEM-PVC-V-360

PROJECT : 2x660 MW KHURJA THERMAL POWER STATION

OWNER : **एन टी सी लिमिटेड**
NTPC Limited
(A Government of India Enterprise)

भारत भारी इलेक्ट्रिकल्स लिमिटेड
BHHEL
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

GREEN BUILDING DESIGN CONSULTANT:
GREENTREE BUILDING ENERGY (P) LTD.

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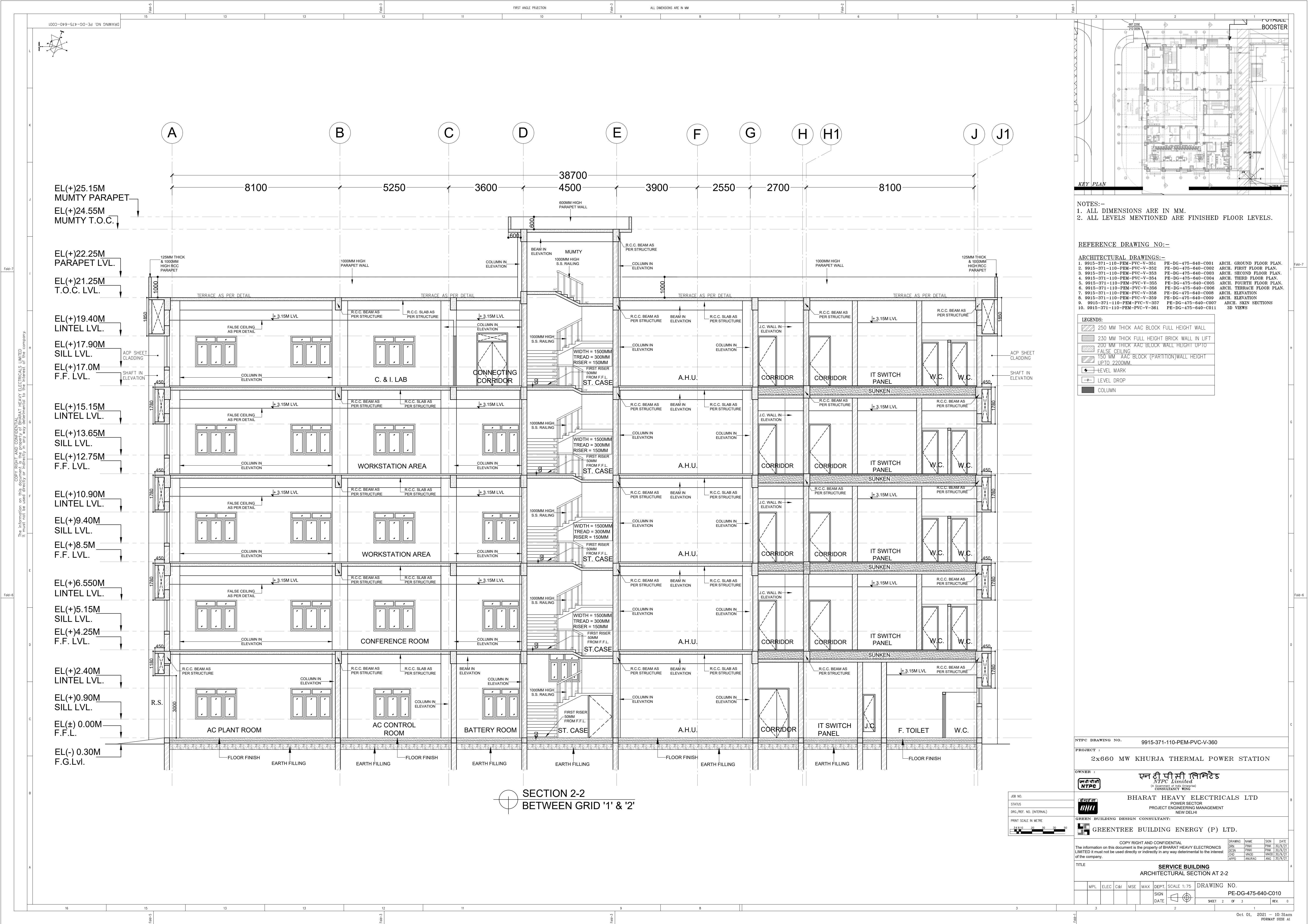
DRAWING NAME	DESIGN	DATE
DRN	PRK	30/9/21
DES	PRK	30/9/21
CHK	ANURAG	30/9/21
APPD	ANURAG	30/9/21

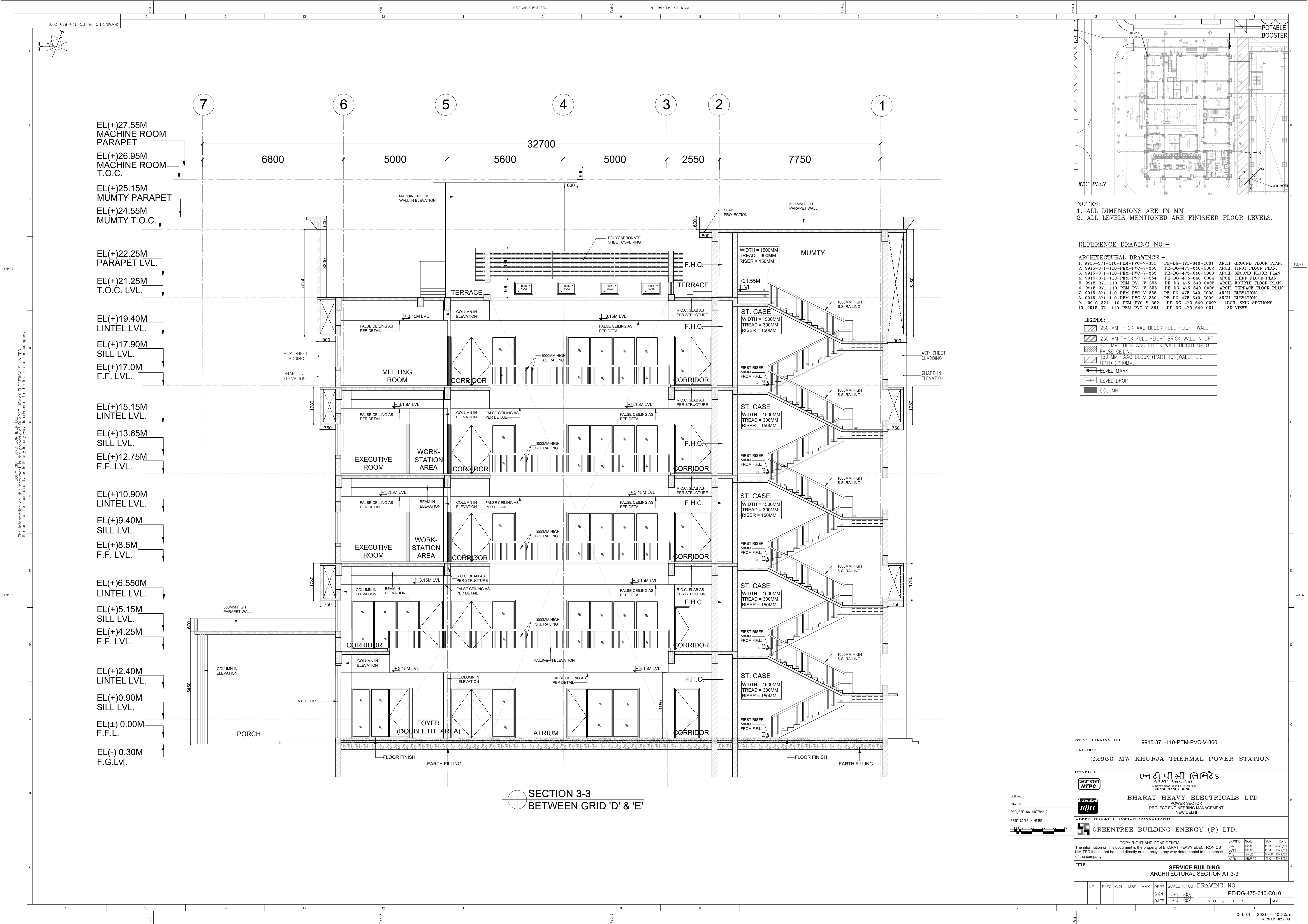
TITLE: **SERVICE BUILDING**
ARCHITECTURAL SECTION AT 1-1

MPL	ELEC	C&I	MSE	MAX	DEPT	SCALE	DRAWING NO.
						1:75	PE-DG-475-640-C010

SHEET 1 OF 3

Oct 01, 2021 - 10:31am
FORMAT SIZE: A1





NOTES:-
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- REFERENCE DRAWING NO:-
- ARCHITECTURAL DRAWINGS:-
- | | | |
|--------------------------------|--------------------|---------------------------|
| 1. 9915-371-110-PEM-PVC-V-351 | PE-DG-475-640-C001 | ARCH. GROUND FLOOR PLAN. |
| 2. 9915-371-110-PEM-PVC-V-352 | PE-DG-475-640-C002 | ARCH. FIRST FLOOR PLAN. |
| 3. 9915-371-110-PEM-PVC-V-353 | PE-DG-475-640-C003 | ARCH. SECOND FLOOR PLAN. |
| 4. 9915-371-110-PEM-PVC-V-354 | PE-DG-475-640-C004 | ARCH. THIRD FLOOR PLAN. |
| 5. 9915-371-110-PEM-PVC-V-355 | PE-DG-475-640-C005 | ARCH. FOURTH FLOOR PLAN. |
| 6. 9915-371-110-PEM-PVC-V-356 | PE-DG-475-640-C006 | ARCH. TERRACE FLOOR PLAN. |
| 7. 9915-371-110-PEM-PVC-V-357 | PE-DG-475-640-C007 | ARCH. ELEVATION |
| 8. 9915-371-110-PEM-PVC-V-358 | PE-DG-475-640-C008 | ARCH. ELEVATION |
| 9. 9915-371-110-PEM-PVC-V-359 | PE-DG-475-640-C009 | ARCH. ELEVATION |
| 10. 9915-371-110-PEM-PVC-V-360 | PE-DG-475-640-C010 | ARCH. SKIN SECTIONS |

LEGENDS:

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	230 MM THICK FULL HEIGHT BRICK WALL IN LIFT
	200 MM THICK AAC BLOCK WALL HEIGHT UPTO
	FALSE CEILING
	150 MM AAC BLOCK (PARTITION) WALL HEIGHT
	UPTO 2200MM
	LEVEL MARK
	LEVEL DROP
	COLUMN

NTPC DRAWING NO. 9915-371-110-PEM-PVC-V-360

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DRAWING NAME	DESIGN	DATE
DESIGN	DESIGN	30/9/21
CHECK	DESIGN	30/9/21
APPROVE	ANURAG	30/9/21

TITLE: **SERVICE BUILDING**
ARCHITECTURAL SECTION AT 3-3

MPL	ELEC	C&I	MSE	MAX	DEPT	SCALE 1:100	DRAWING NO.
							PE-DG-475-640-C010
SIGN	DATE						

SHEET 3 OF 3

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