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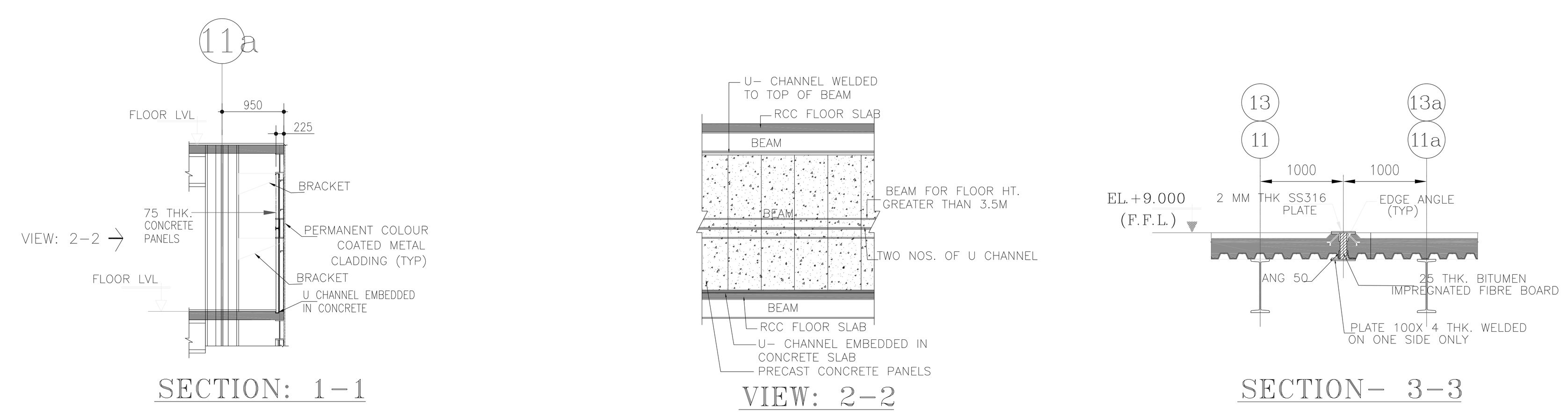
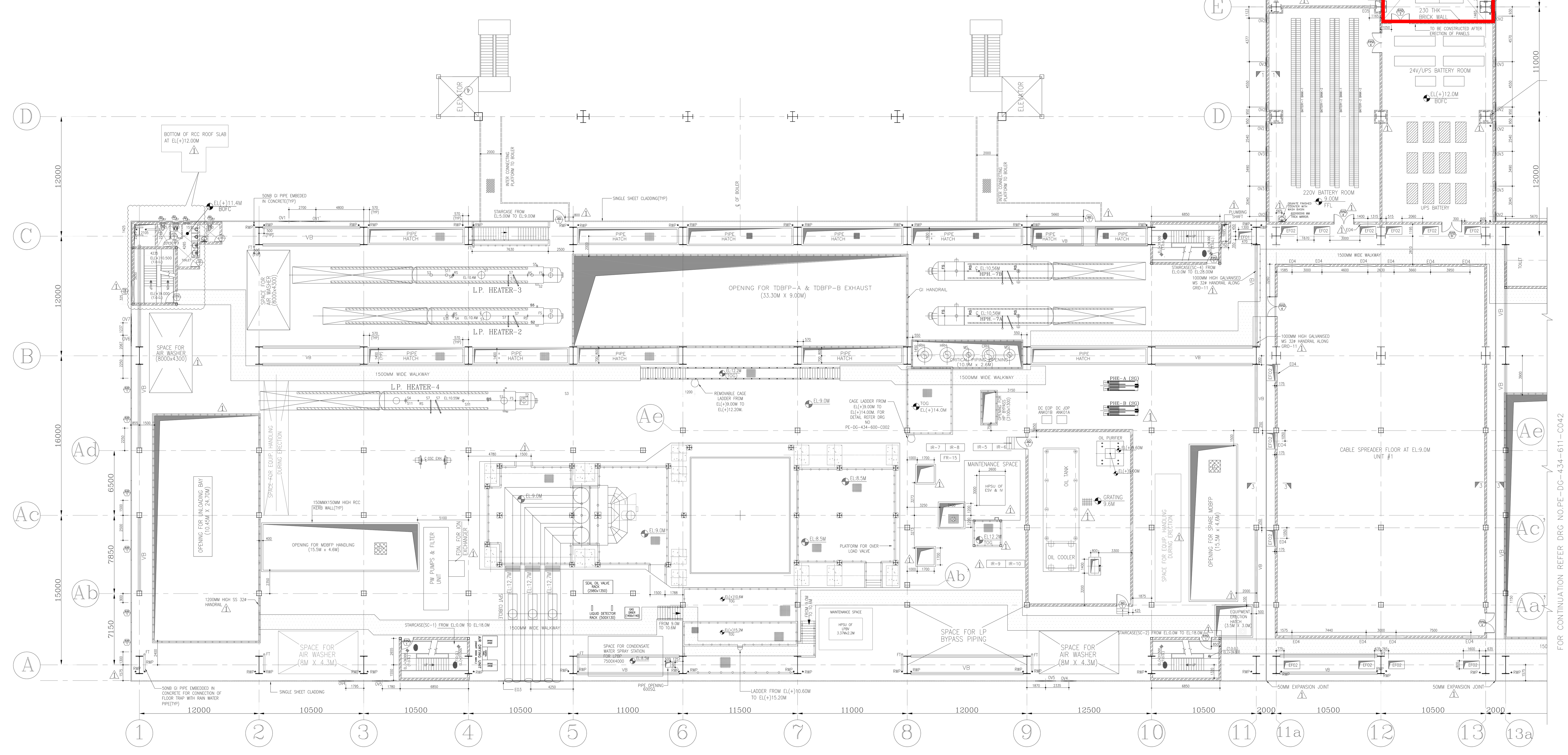
COMPUTER FILE NAME: J50_100_M001_R01

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

DRAWING No. PE-DG-434-611-C041





PLAN AT EL(+)9.00M (UNIT#1)

(NOTE:ALL WALLS ARE FROM FLOOR LEVEL TO BOTTOM OF BEAM OF UPPER FLOOR LEVEL(U.N.O.) EXCEPT TOILET WALLS WHICH ARE UPTO 11.5M LEVEL)

FINISH SCHEDULE

FINISH \ SERIAL NUMBER / AREAS	1. CABLE SPREADER ROOM	2. EQUIPMENT AREA	3. UPS PANEL & CHARGER ROOM	4. UNLOADING BAY	5. PASSAGE	6. OTHER AREA	7. TOILETS	8. BATTERY ROOM	9. OIL ROOM	10. RCC STAIRCASE
FLOORING (TOTAL FLOORING THICKNESS = 50MM): CEMENT CONCRETE WITH METALLIC HARDENER TOPPING	●	●		●	●	●				
CEMENT CONCRETE FLOORING (1:1:2) WITH OIL RESISTANT PAINT										
25MM THK. ACID ALAKALI RESISTANT TILES (50MM FLOORING THICKNESS)								●	●	
20MM THICK POLISHED MARBLE STONE/ GRANITE STONE.										
VITRIFIED CERAMIC TILES 10 MM THK			●							
HEAVY DUTY DUST PRESSED CERAMIC TILES AND GRANITE STONE IN ONE PIECE FOR WASH BASIN PLATFORM..							●			
18 TO 20MM THICK POLISHED GRANITE STONE										●
SKIRTING: 150 MM HIGH CEMENT CONCRETE SKIRTING	●	●		●	●	●				
150 MM HIGH, UNPOLISHED VITRIFIED CERAMIC TILES SKIRTING			●							
INTERNAL WALLS – DADO: 18–20MM THK.POLISHED GRANITE STONE UPTO 1200MM HEIGHT IN COMBINATION WITH GLASS MOSAIC TILES										
DESIGNER CERAMIC WALL TILES DADO UPTO FALSE CEILING							●			
18–20MM THK.POLISHED GRANITE STONE UPTO 1200MM HEIGHT										●
ACID & ALKALI RESISTANT TILES UPTO 1200MM HEIGHT								●	●	
INTERNAL WALLS – PAINTING: ACRYLIC DISTEMPER (EXCEPT CLADDING AREA)	●	●		●	●	●				
ALUMINIUM COMPOSITE PANEL CLADDING ON COLUMNS			●							
18–20MM THICK POLISHED GRANITE STONE UPTO FALSE CEILING										
CHEMICAL RESISTANT PAINT								●	●	
CEILING PAINTING: ACRYLIC DISTEMPER										●
GI CLIP IN METAL FALSE CEILING IN COMBINATION WITH GRG PLASTER			●							
CALCIUM SILICATE FALSE CEILING.							●			
CHEMICAL REISTANT PAINT									●	
EXTERNAL WALL: BRICKWORK UPTO 3M. HIGH	FLY ASH BRICKS CLADDING IN CEMENT MORTAR									
SHEETING ABOVE 3M OVER BRICK WALL.	PERMANENT COLOUR COATED SINGLE									
EXTERIOR FINISH OF BRICKWALL	PREMIUM ACRYLIC SMOOTH ACRYLIC EMULSION PAINT OVER PLASTERED SURFACE.									

SCHEDULE OF JOINERY

SYMBOL	SILL LEVEL AT EL...	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT	DESCRIPTION
SD 1	(+)9.000 (+)9.600	1200	2100	STEEL DOOR – SINGLE SHUTTER
FPD 1	(+)9.000	1200	2100	FIRE PROOF DOOR – SINGLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK TOUGHENED GLASS
FPD 3	(+)9.000	1800	2700	FIRE PROOF DOOR – DOUBLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS
FPD 4	(+)9.000	2000	2100	FIRE PROOF DOOR – DOUBLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS
SD 2	(+)9.000	900	2100	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR – SINGLE SHUTTER
SD 3	(+)9.000	750	2100	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR – SINGLE SHUTTER
AW 1	(+)9.900	2000	2100	ANNODISED ALLUMINIUM OPENABLE & PARTLY FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS
FW 10	(+)9.900	2000	1200	ANNODISED ALLUMINIUM FIXED GLAZED WINDOW WITH 6MM THK. REFLECTIVE TOUGHENED GLASS
AV 1	(+)10.400	600	600	ALUMINIUM VENTILATOR
EF	(+)11.00	380ø		EXHAUST FAN

SCHEDULE OF ELECTRICAL CABLE TRAY OPENINGS IN WALL/CLADDING

(FOR LOCATION REFER PLAN)

SYMBOL	BOTTOM OF OPENING AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT
E01	13.50	1000	500
E02	16.50	1000	500
E03	11.70	6500	2000
E04	11.40	1600	800
E05	11.40	1000	800

SCHEDULE OF OPENINGS FOR VENTILATION

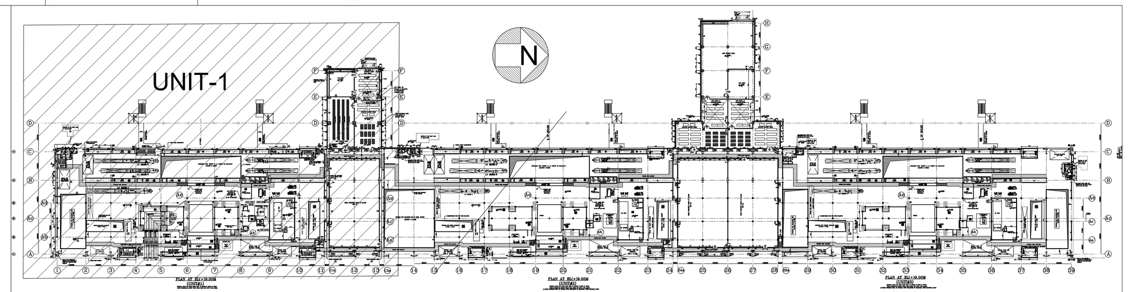
(FOR LOCATION REFER PLAN)

SYMBOL	BOTTOM OF OPENING AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT
OV1	9.400	2000	2000
OV1'	9.400	2800	2000
OV2	9.900	900	1300
OV3	12.500	900	900
OV4	9.550	1500	3550
OV5	11.100	2000	2000
OV6	13.850	2135	2135
OV7	9.350	1791	2267

SCHEDULE OF FLOOR OPENINGS FOR ELECTRICAL CABLE TRAYS

(FOR LOCATION REFER PLAN)

SYMBOL	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT
EF01	1300	800
EF02	1600	800
EF03	1000	500



KEY PLAN

NOTES:–

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, TECHNICAL SPECIFICATIONS AND SCHEDULE OF ITEMS.
2. ALL DIMENSIONS ARE IN MM & ELEVATIONS IN METERS UNLESS STATED OTHERWISE.
3. ALL ELEVATIONS ARE REFERRED TO THE FINISHED FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL.(+) 375.50 M.
4. FOR OTHER NOTES AND STD. DETAILS REF. DRG. PE–DG–434–600–C001 (NTPC DRG NO. 9585–001–315–PVC–C–0451B)
5. OPENINGS MARKED ARE AS PER LATEST ELECTRICAL/ MECHANICAL DRAWINGS AVAILABLE. OPENING SIZE AND LOCATIONS MAY BE CHECKED FROM RESPECTIVE ELECTRICAL/ MECHANICAL DRAWINGS OR RECONFIRMED FROM BHEL–PEM (CIVIL) BEFORE ERECTION.
6. ALL BRICK WALLS SHALL BE OF FLYASH BRICKS EXCEPT LIFT SHAFT WHICH SHALL BE MADE OF BURNT CLAY BRICKS.

ENGINEERING REFERENCE DRAWINGS :–

1. PE–DG–434–100–M001(NTPC DRAWING NO: 9585–001–999–POC–F–001 REV 2)– PLOT PLAN
2. PE–DG–434–100–M004(NTPC DRAWING NO:9585–001–110–PVM–F–050 REV 2) – EQUIPMENT PLAN AT MEZZANINE FLOOR
3. PE–DG–434–100–M007(NTPC DRAWING NO.9585–001–110–PVM–F–053 REV 2) – CROSS SECTION OF MAIN PLANT
4. PE–DG–434–145–1405(NTPC DRAWING NO.9585–001–405–PVI–F–003) –UPS BATTERY ROOM LAYOUT
5. NTPC DRAWING NO.9585–001–201–PVE–F–104A) –ELECTRICAL EQUIPMENT AND CABLE LAYOUT IN 220VOLT DC BATTERY ROOM

STRUCTURAL REFERENCE DRAWINGS :–

1. PE–DG–434–612–C001(NTPC DRAWING NUMBER: 9585–001–315–PVC–C–0004 REV.2):MAIN POWER HOUSE BUILDING–STRUCTURAL FRAMING & COLUMN DETAIL ALONG A ROW (UNIT–1)
2. PE–DG–434–612–C004(NTPC DRAWING NUMBER:9585–001–315–PVC–C–0007 REV.2):MAIN POWER HOUSE BUILDING–STRUCTURAL FRAMING & COLUMN DETAIL ALONG B ROW (UNIT–1)
3. PE–DG–434–612–C007(NTPC DRAWING NUMBER: 9585–001–315–PVC–C–010 REV.2)–MAIN POWER HOUSE BUILDING–STRUCTURAL FRAMING & COLUMN DETAIL ALONG C ROW (UNIT–1)

ARCHITECTURAL DRAWINGS :–

1. PE–DG–434–600–C005(NTPC DRAWING NUMBER: 9585–001–315–PVC–C–0151C REV.0) – PH BLDG.– STANDARD DETAILS OF DOORS
2. PE–DG–434–600–C006(NTPC DRAWING NUMBER: 9585–001–315–PVC–C–0151E(REV 0) – PH BLDG.– STANDARD DETAILS OF WINDOWS

PLASTER:–

1. EXTERNAL PLASTER ON BRICK WALL 18MM THK ROUGH FACE & 12MM THICK SMOOTH FACE
2. INTERNAL PLASTER ON BRICK WALL SMOOTH FACE 12MM THICK & ROUGH FACE 18MM THICK (CEMENT SAND PLASTER IN 1:6 ON BRICK WALL)
3. CEILING OF CABLE VAULT NOT TO BE PLASTERED
4. CEILING PLASTER 6MM THICK CEMENT SAND PLASTER (1:4)
5. R.C.C WALL MIN. 12MM THICK CEMENT SAND PLASTER (1:6)

Signature Not Verified
Digitally signed by B. Prasad
Date: 2019.03.19 19:13:17 IST
Reason: CAT II
Location: NTPCEOC
(B. Prasad)

LEGENDS.:–

- OPENING
- WALK WAY
- CONCRETE HATCH
- EL(+)X.XXX – LEVEL TAG
- BRICK WALL
- TILE DROP
- ℄ – CENTER LINE
- EF – EXHAUST FAN
- EL – ELEVATION
- FFL – FINISHED FLOOR LEVEL
- TYP – TYPICAL
- FT – STAINLESS STEEL FLOOR TRAP OF 100MM INLET & OUTLET SIZE
- RWP – 150ø GALVANIZED MS PIPE
- EFO – ELECTRICAL FLOOR OPENING
- TOC – TOP OF CONCRETE
- TOCP – TOP OF CHEQUERED PLATE
- TOG – TOP OF GRATING
- UNO – UNLESS NOTED OTHERWISE
- BOO – BOTTOM OF OPENING
- BOFC – BOTTOM OF FALSE CEILING
- EO – ELECTRICAL WALL OPENING
- VO – VENTILATION WALL OPENING
- GRATING
- REMOVABLE GRATING
- CHEQUERED PLATE
- REMOVABLE CHEQUERED PLATE

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	ABHAY KUMAR
SIGNATURE	
DATE	27 FEB. 2019

NTPC DRAWING NO: 9585–001–315–PVC–C–0168

CUSTOMER: PATRATU VIDYUT UTPADAN NIGAM LIMITED (A SUBSIDIARY OF NTPC LTD)

PATRATU SUPER THERMAL POWER PROJECT (3X800 MW)

JOB No. 434
STATUS CONTRACT
DISTRIBUTION

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD

REV	DATE	ALTD	CHD	APPD
01	27.02.19	SD	AK	AKS

REVISED AS PER NTPC COMMENTS VIDE TRANSMITTAL NO.315:2098 DTD 30.01.19 AND MARKED AS 1

DEPT CODE		NAME	SIGN	DATE
C	DRN	SD	–SD–	10.01.2019
	DESN	MK	–SD–	10.01.2019
	CHD	AK	–SD–	10.01.2019
	APPD	AKS	–SD–	10.01.2019

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TITLE: POWER HOUSE BUILDING
ARCH PLAN & FINISHING SCHEDULE @ EL(+)9.0M UNIT#1

MPL | C&I | MSE | MAUX | ELEC. | CIVIL | DEPT. SIGN DATE | SCALE 1:100

DRAWING No. PE-DG-434-611-C041
SHEET 1 OF 1 REV 01