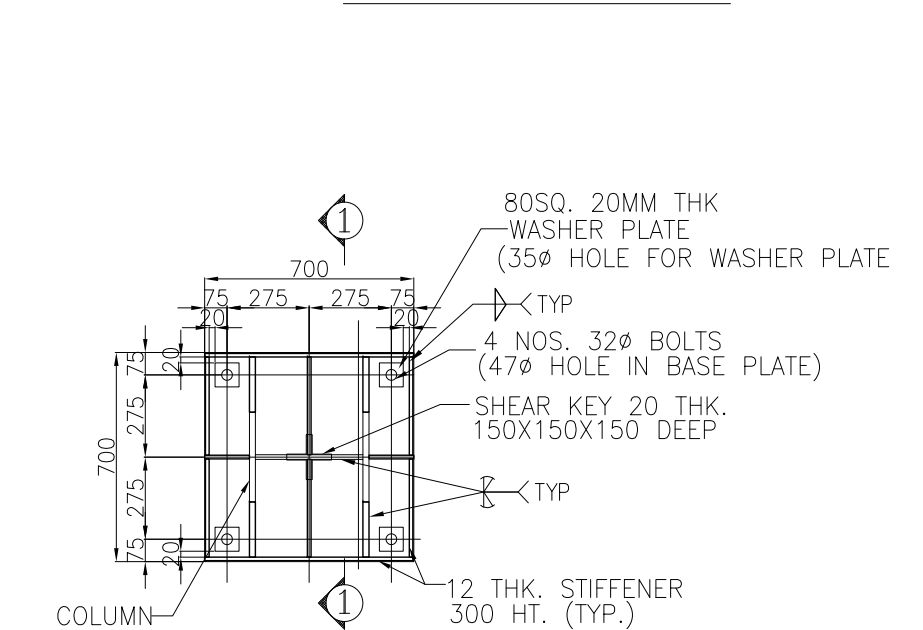
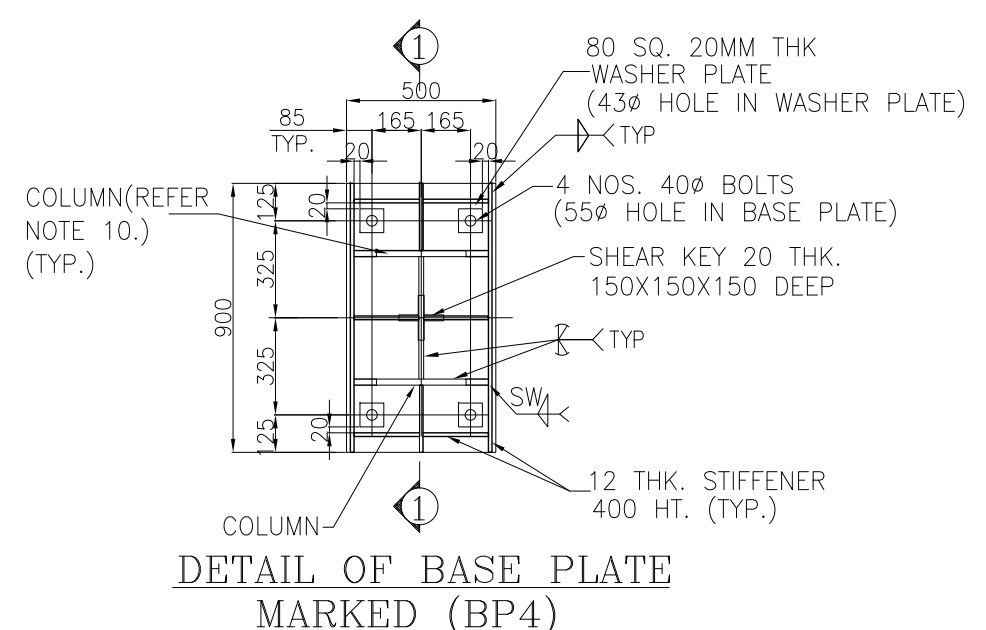
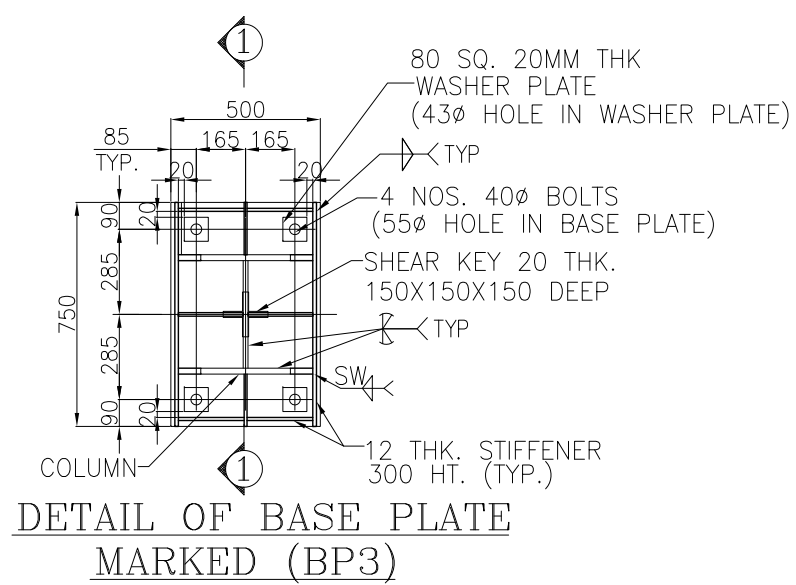
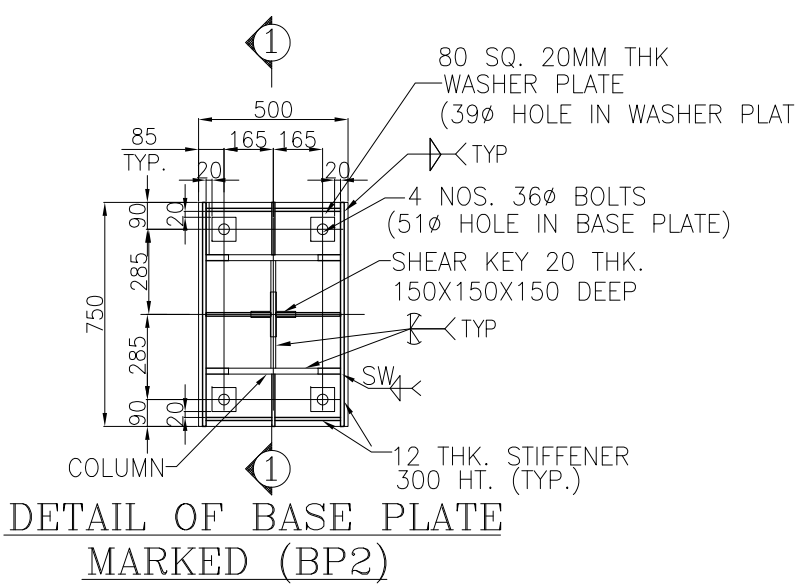
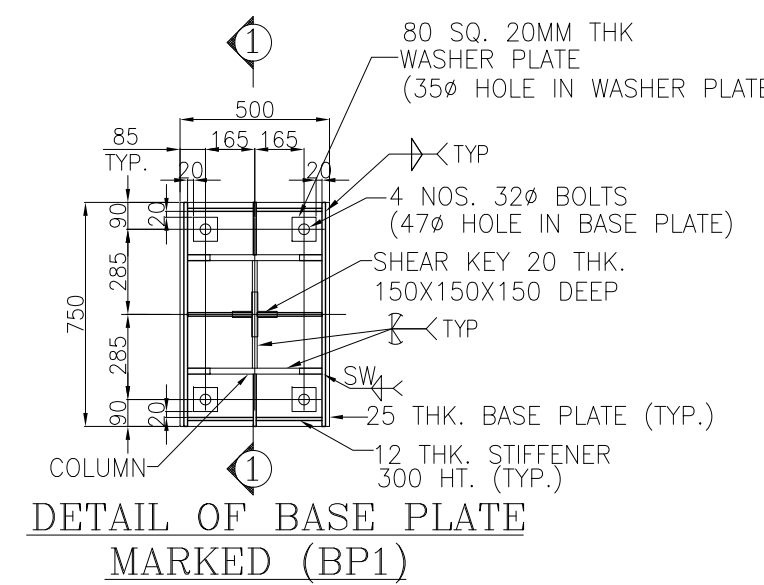


COLUMN AND BASE PLATE LAYOUT  
B.O.B.P. @ EL(+ )2.500M

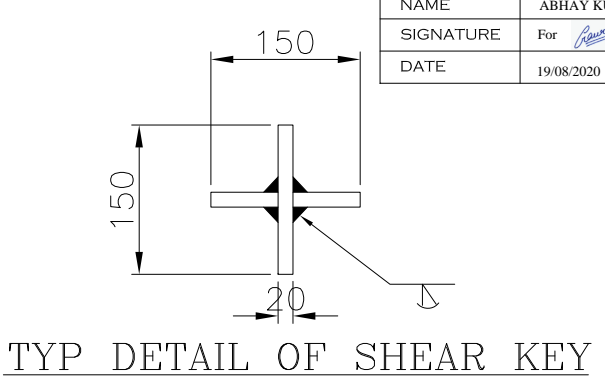


COLUMN SCHEDULE

MARK COL.	MEMBER	COL AT GRID LOCATION
SC1	①-② ① - 2X300X20 THK. ② - 1X360X16 THK.	1A, 1B, 1C, 2A, 2B, 2C,
SC1	③-④ ① - 2X300X20 THK. ② - 1X360X16 THK.	3A, 3G, 4A, 4G
SC2	①-⑥ ① - 2X250X20 THK. ② - 1X360X16 THK.	1D, 1E, 1F, 1G, 2D, 2E, 2F, 2G 5A, 5B, 5C, 5D, 5E, 5F, 5G
NOTE: FOR ORIENTATION OF COLUMN REFER COLUMN LAYOUT		

BILL OF MATERIALS

SR.NO.	ITEM	QTY. (MT.)	GRADE
01	25 THK PLT.	2.00	IS:2062-E350
02	20 THK PLT.	22.054	IS:2062-E250
03	16 THK PLT.	11.548	
04	12 THK PLT.	2.06	
05	MC 150 BOX	5.821	
06	MC 100 BOX	6.269	
07	MC 75 BOX	0.522	



DETAIL OF BASE PLATE MARKED (BP5)

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STAMP ALL PREVIOUS REVISION AS SUPERSEDED  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 [Signature]  
DATE 08/04/2020

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)  
THIS DRAWING MARKED (✓) IS RELEASED FOR  
☒ COMMENTS/APPROVAL  
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☐ CONSTRUCTION  
STAMP ALL PREVIOUS REVISION AS SUPERSEDED  
ISSUED BY  
NAME ABHAY KUMAR  
SIGNATURE -Sd-  
DATE 08/04/2020

NOTES:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE TERMS CONDITIONS, AND SPECIFICATIONS OF THE CONTRACT.
- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METERS, UNO.
- ALL ELEVATIONS ARE REFERRED TO FINISHED FLOOR LEVEL OF POWER HOUSE BUILDING EL(±)0.000M. WHICH CORRESPONDS TO RL 375.50M ABOVE MSL.
- ALL COLUMN SHALL BE BUTT WELDED TO BASE PLATE.
- ALL BUTT WELDS ARE FULL STRENGTH & SHALL BE RADIOGRAPHICALLY TESTED.
- DETAILS OF CONNECTION GIVEN ON DRAWING ARE INDICATIVE. ACTUAL DETAILS SHALL BE DESIGNED AND DETAILED BY FABRICATOR/ DETAILOR FOR INDIVIDUAL MEMBERS.
- 50Ø SEMICIRCULAR HOLES WILL BE PROVIDED AT BOTTOM OF ALL STIFFENERS OF BASE PLATES TO FACILITATE DRAINAGE OF RAIN-WATER ACCUMULATED WITH IN THE PANELS
- QUANTITIES INDICATED IN BILL OF MATERIALS ARE APPROXIMATE AND DO NOT INCLUDE FOR SPLICING, CONNECTIONS & WASTAGES.
- FOR GRADE OF STEEL REFER DRG. NO. PE-DG-434-600-C002. (NTPC DRG NO. 9585-001-315-PVC-C-0089A
- THICKNESS OF STIFFNER MKD. AS S1 SHALL BE SAME AS THICKNESS OF COLUMN FLANGE PLATE S1 WILL BE BUTT WELDED TO COLUMN FLANGE. INCASE OF BUILT-UP COLUMN SECTION WITH PLATE (MB WITH T & B PLATE) S1 TO BE WELDED TO THE PLATE.

ENGINEERING REFERENCE DRAWINGS :-

- PE-DG-434-100-M001-R4 - PLOT PLAN (9585-001-999-POC-F-001)
- PE-V0-434-155A-A003-R0 - EQUIPMENT LAYOUT FOR CPU REGENRATION AREA (9585-001-110-PVM-F-256)

STRUCTURAL REFERENCE DRAWINGS :-

- PE-DG-434-639-C001 - CPU REGENERATION BLDG- ARCHITECTURAL PLANS, ELEVATIONS & SECTIONS (9585-001-315-PVC-C-0615)
- PE-DG-434-639-C002 - CPU REGN BLDG- GA & RC DETAILS OF FOUNDATIONS & PEDESTALS (9585-001-315-PVC-C-0616)
- PE-DG-434-639-C004 - CPU REGN BLDG- STRUCTURAL DETAILS OF ROOF (9585-001-315-PVC-C-0618)
- PE-DG-434-639-C005 - CPU REGENERATION BLDG- GA & RC DETAIL OF GRADE SLAB (9585-001-315-PVC-C-0619)
- PE-DG-434-639-C007 - CPU REGENERATION BLDG- CLADDING DETAILS (9585-001-315-PVC-C-0621)

LEGENDS.:-

- CL - CENTER LINE
- EL - ELEVATION
- FFL - FINISHED FLOOR LEVEL
- TYP - TYPICAL
- BOS - BOTTOM OF STEEL
- TOS - TOP OF STEEL
- EL(+ )X.XXX - LEVEL TAG
- TOC - TOP OF CONCRETE
- UNO - UNLESS NOTED OTHERWISE
- BOBP - BOTTOM OF BASE PLATE

SPECIAL NOTE

DRAWINGS / DOCUMENTS ARE BEING SUBMITTED FOR INFORMATION. BHEL HEREBY CONFIRMS FULL COMPLIANCE TO ALL THE SPECIFIED REQUIREMENTS OF THE CONTRACT SPECIFICATION, WITHOUT ANY DEVIATION, WHATSOEVER. IN CASE DURING THE TENURE OF THE CONTRACT, IT IS OBSERVED/FOUND THAT THE DATA/ INFORMATION IN THE RELEASED DRAWING/DOCUMENT IS NOT MEETING THE CONTRACT SPECIFICATION, BHEL/ITS VENDOR(S) WILL MODIFY/ RECTIFY/REPLACE THE SAME TO MEET THE SPECIFICATION WITHOUT ANY COMMERCIAL IMPLICATION OR ANY TIME EXTENSION TO PVUNL/NTPC IN THIS REGARD.

NTPC NO.- 9585-001-315-PVC-C-0617  
CUSTOMER PATRATU VIDYUT UTPADAN NIGAM LIMITED (A SUBSIDIARY OF NTPC LTD)  
3x800MW PATRATU SUPER THERMAL POWER PROJECT

JOB NO. 434  
STATUS POWER SECTOR  
DISTRIBUTION NOIDA

BHARAT HEAVY ELECTRICALS LTD  
PROJECT ENGINEERING MANAGEMENT  
NOIDA

DEPT. CODE SIGN. DATE  
C 325N 24/04/2020  
CHD ABHY 25/04/2020  
APP 1 SP 25/04/2020

TITLE CPU REGN BUILDING  
STRUCTURAL DETAILS OF COLUMNS & BASEPLATE

DEPT. SCALE 1:100  
SIGN DRAWING NO. PE-DG-434-639-C003  
SHEET 1 OF 2 REV. 0

