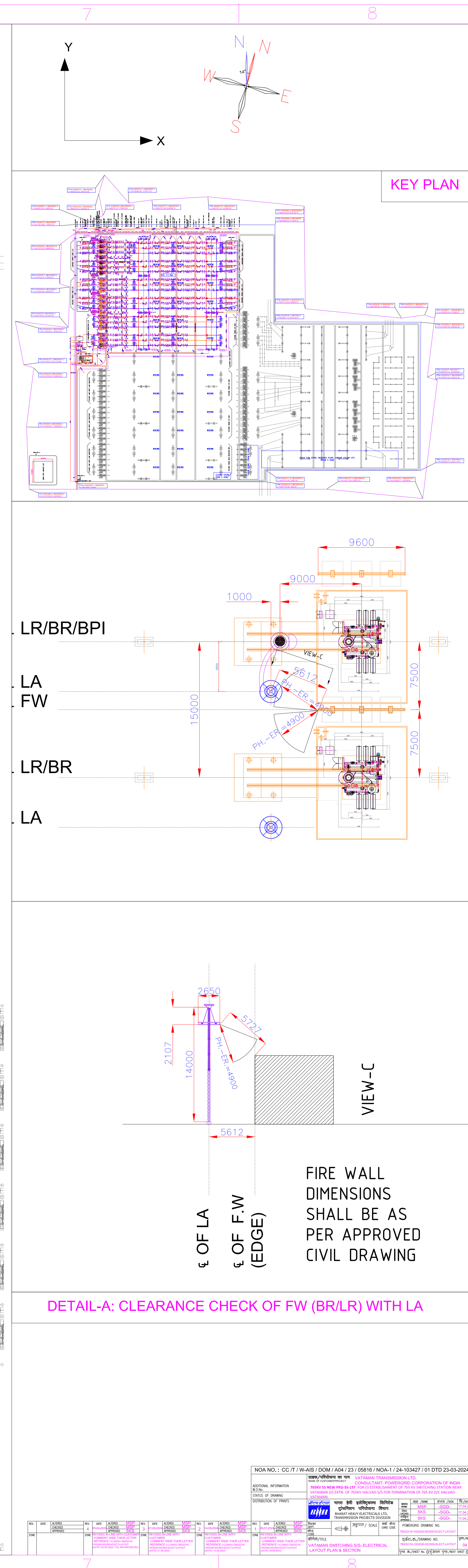
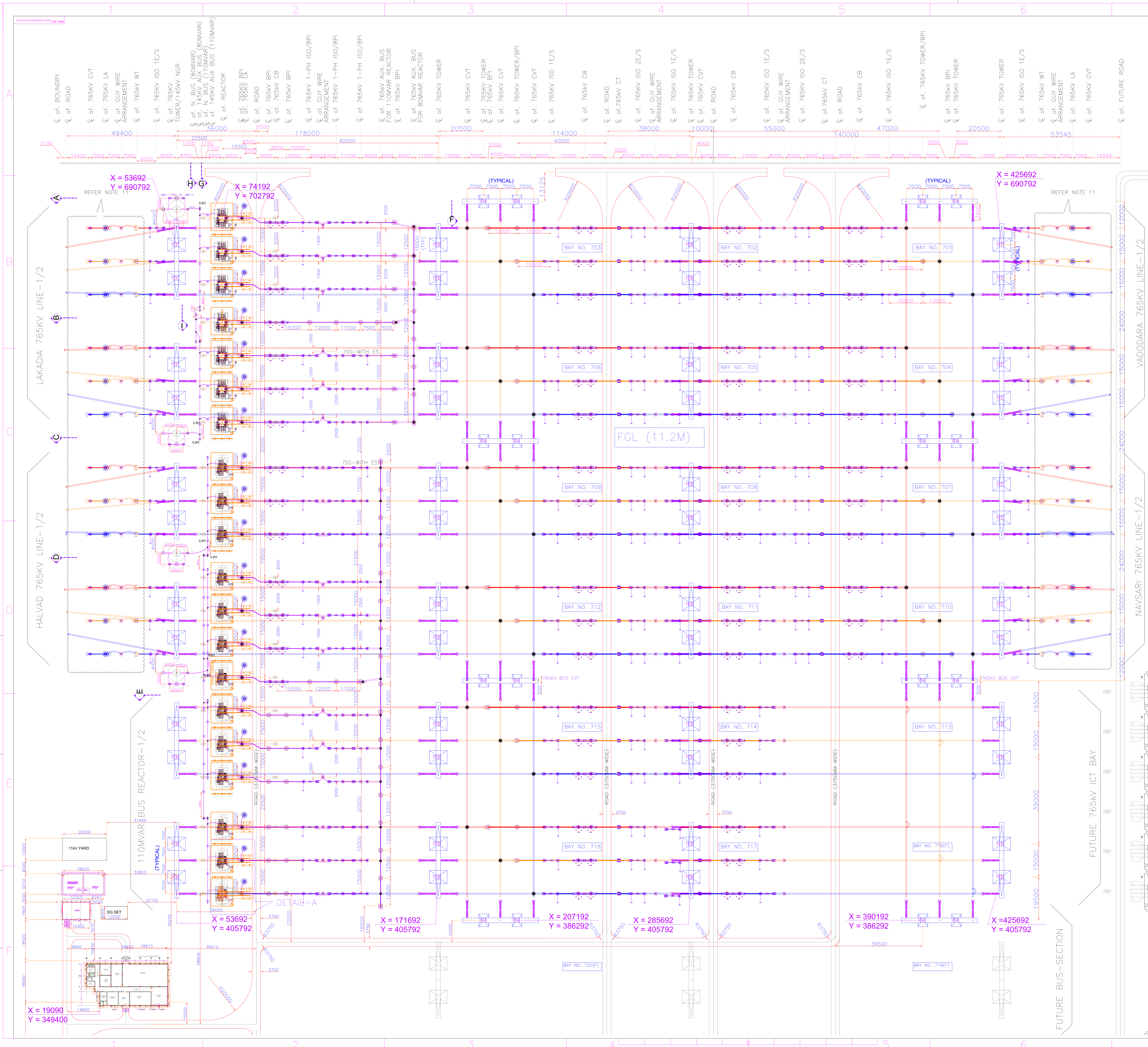
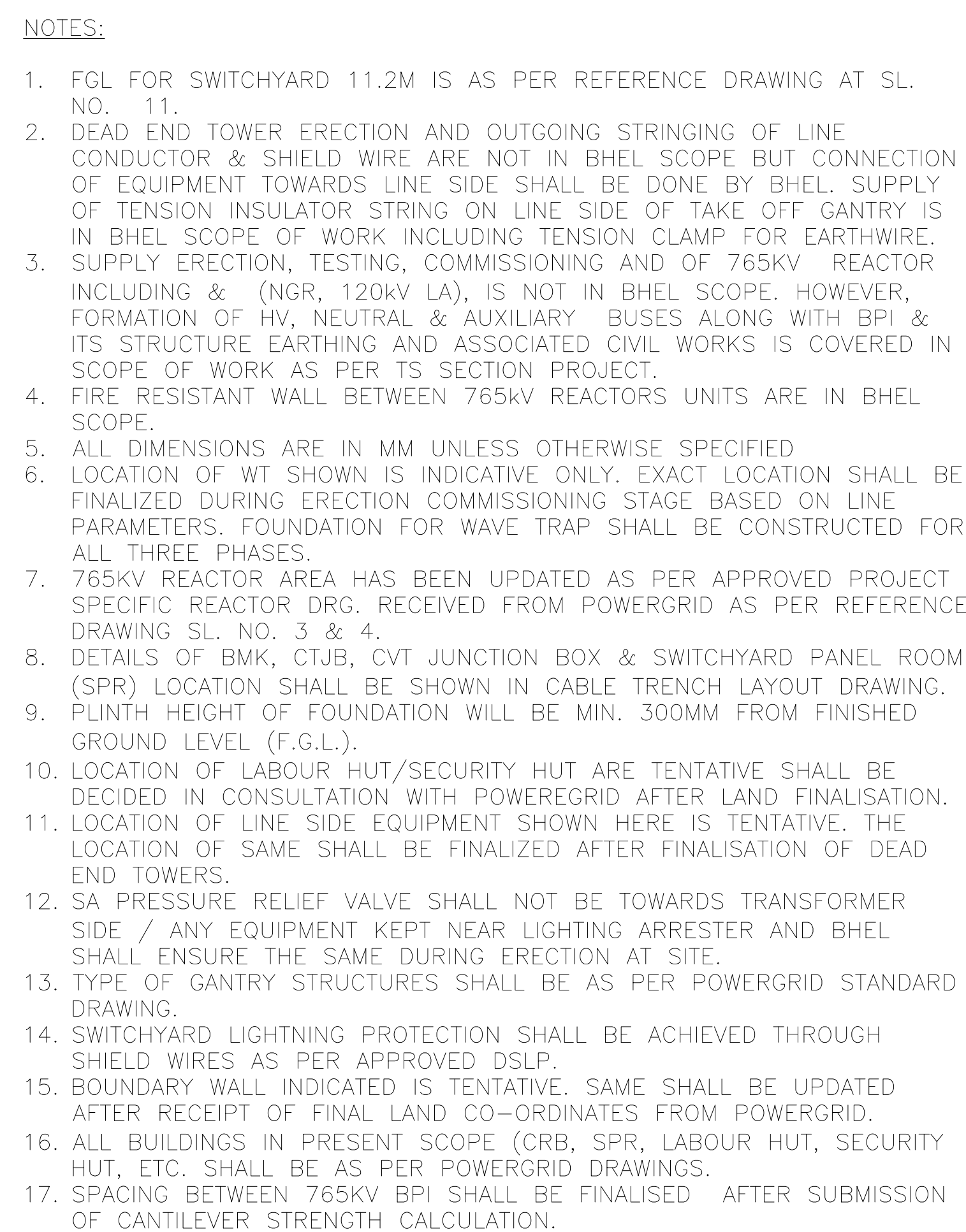
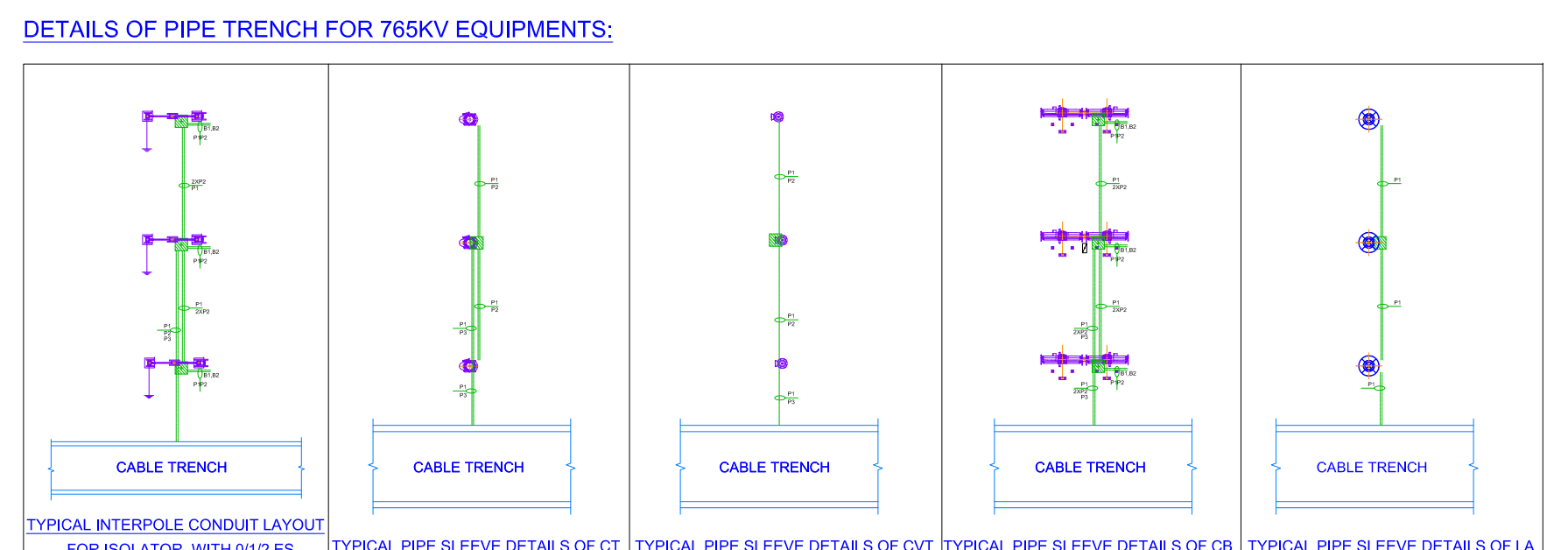
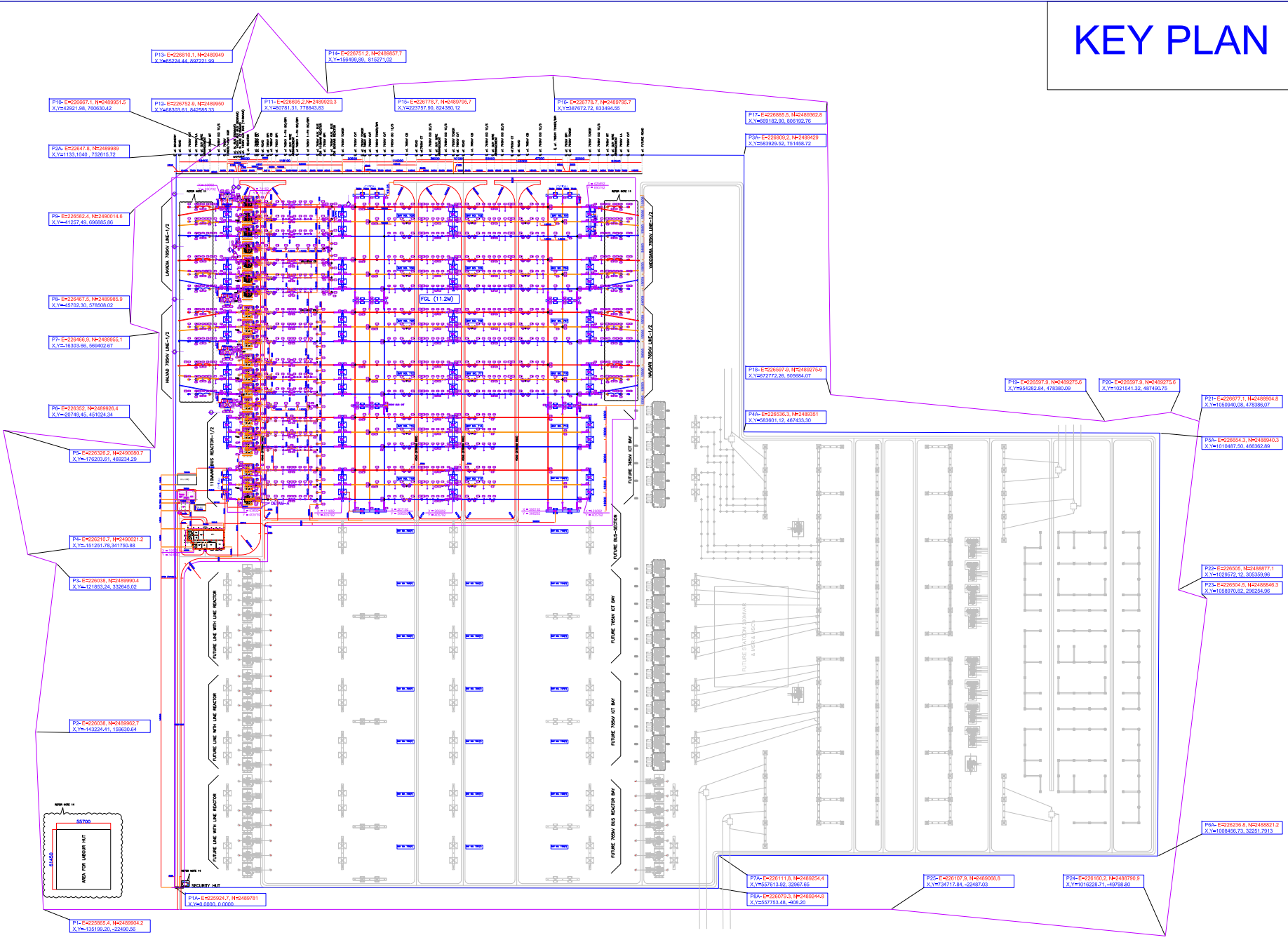






- REFERENCE: DRG:
1. VATAMAN SWITCHING S/S - SINGLE LINE DIAGRAM - DRG NO. TB202318 - 1002026 - SS3500 - ALL
 2. VATAMAN SWITCHING S/S - OVERALL GA DRGS - DRG NO. TB202318 - 1002026 - SS3500 - CG
 3. VATAMAN - BOMWAR - 765KV - INR - BOM - GA BOM & FDN PLAN - DRG NO. TB202318 - 1002026 - SS3500 - 765KV - INR - BOM - RT - GA & FDN
 4. VATAMAN - 110MWAR - 765KV REACTOR - GA BOM & FDN PLAN - DRG NO. TB202318 - 1002026 - SS3500 - 765KV - 110MWAR - RT - GA & FDN
 5. VATAMAN SWITCHING S/S - CONTROL ROOM BUILDING ARCHITECTURE DRAWINGS NO. TB202318 - 1002026 - SS3500 - I - CRB - ARCH - DRG
 6. VATAMAN SWITCHING S/S - FIRE FIGHTING PUMP HOUSE ARCHITECTURE DRAWINGS NO. TB202318 - 1002026 - SS3500 - I - FFHT - BL - ARCH - DRG
 7. VATAMAN SWITCHING S/S - FIRE FIGHTING WATER TANK ARCHITECTURE DRAWINGS NO. TB202318 - 1002026 - SS3500 - I - FFWT - ARCH - DRG
 8. VATAMAN SWITCHING S/S - 765KV - 7CA TOWER STRUCTURE DESIGN DRG NO. TB202318 - 1002026 - SS3500 - 765KV - INR - STR - 7CA - DSG
 9. VATAMAN SWITCHING S/S - 765KV - 7CB TOWER STRUCTURE DESIGN DRG NO. TB202318 - 1002026 - SS3500 - 765KV - INR - STR - 7CB - DSG
 10. VATAMAN SWITCHING S/S - 765KV - 7C TOWER STRUCTURE DESIGN DRG NO. TB202318 - 1002026 - SS3500 - 765KV - INR - STR - 7C - DSG
 11. VATAMAN SWITCHING S/S - 765KV - 7D TOWER STRUCTURE DESIGN DRG NO. TB202318 - 1002026 - SS3500 - 765KV - INR - STR - 7D - DSG
 12. C/ENGG/NR/VATAMAN/OLD 011 REV.00

[illegible]

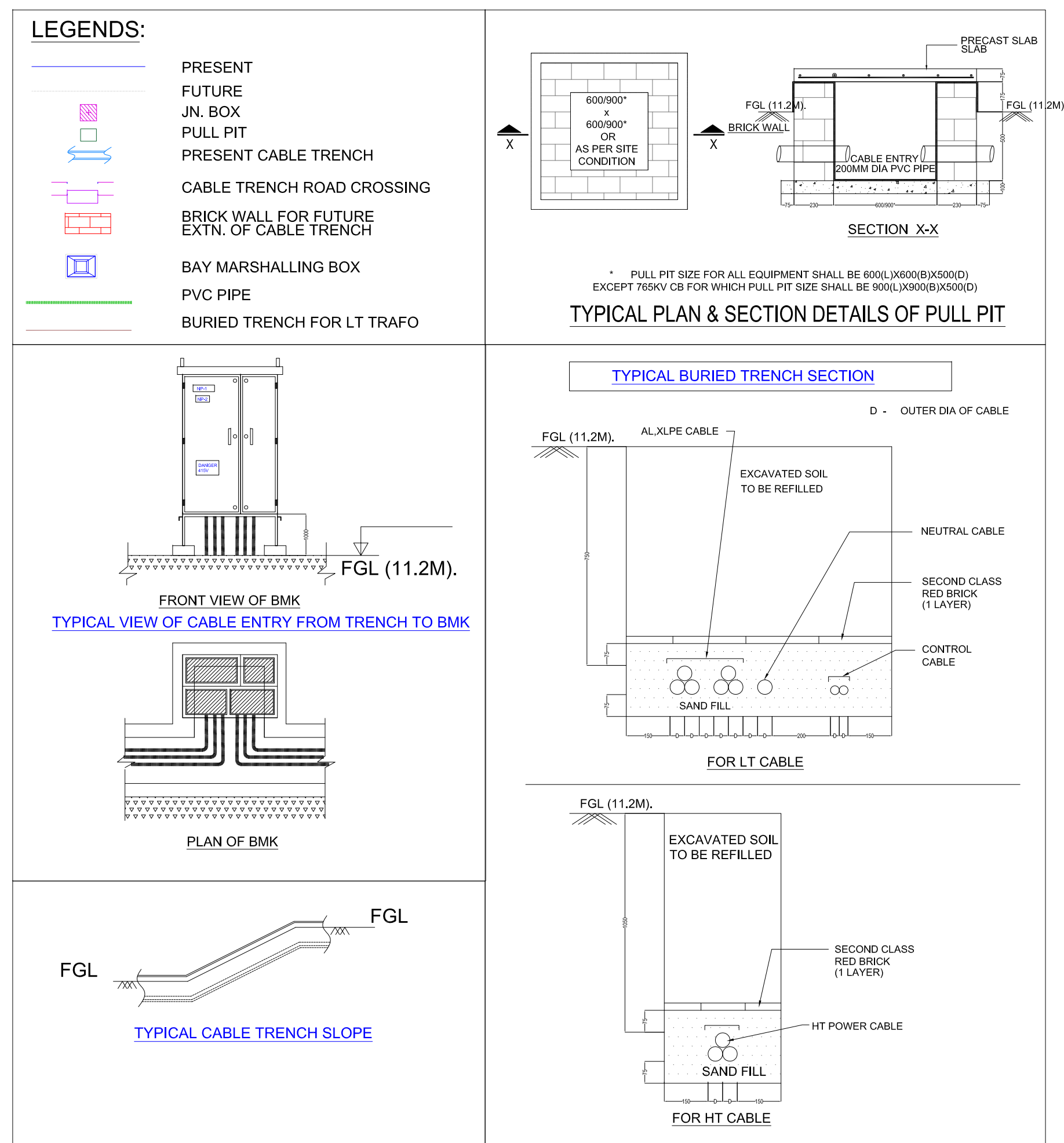


TYPICAL PIPE SLEEVE DETAILS OF EQUIPMENTS:-

SL. NO.	DESCRIPTION	765KV
P1	1 X 50 MM Ø PVC PIPE FOR POWER CABLE	03
P2	1 X 110 MM Ø PVC PIPE FOR CONTROL CABLE	14
P3	1 X 200 MM Ø PVC PIPE FOR CONTROL CABLE	

BOQ OF SPR & BMK:-

SL. NO.	DESCRIPTION	765KV
1	SWITCHYARD PANEL ROOM (SPR) - (9M X 4.5M)	03
2	BAY MARSHALLING KIOSK	14



- NOTES:
- ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - 100mm DIA G.I. PIPE SHALL BE PROVIDED UNDER ROAD FOR LIGHTING CABLE WHEREVER REQUIRED AS PER SPEC.
 - CL DISTANCES OF TRENCHES SHALL BE AS PER ACTUAL SITE CONDITION TO AVOID ANY FOULING WITH EQUIPMENT FOUNDATION COLUMN.
 - A SLOPE OF 1:1000 IS TO BE PROVIDED ALONG THE RUN OF THE CABLE TRENCH AWAY FROM THE BUILDING / SPR.
 - NECESSARY OPENINGS SHALL BE PROVIDED IN TRENCHES TO TAKE OUT CABLES AT APPROPRIATE LOCATION.
 - CABLE FROM BAY TRENCH TO EQUIPMENT SHALL BE LAID THROUGH PVC PIPE.
 - FIBRE OPTIC CABLES SHALL RUN THROUGH G.I. PIPES (MIN. 25MM) IN BOTTOM TIER OF TRENCH.
 - BEFORE EXCAVATION CHECK WITH ELECTRICAL LAYOUT DRG. AND IF ANY DISCREPANCY, NOTICED, CLARIFY BEFORE STARTING ANY WORK AT SITE.
 - POWER CABLE SHALL RUN PREFERABLY ON TOP TIERS ALSO SEPARATED FROM CONTROL & INSTRUMENTATION CABLE.
 - 60 PERCENT VOID SHALL BE MAINTAINED IN EACH PVC PIPE. PROPER SEALING AT BOTH ENDS TO BE DONE AS PER TECH. SPEC.
 - VERTICAL RUN OF CABLES ON EQUIPMENTS SUPPORT STRUCTURE SHALL BE SUPPORTED ON PERFORATED CABLE TRAYS OF SUITABLE WIDTH OR PI EQUIPMENT SUPPORT STRUCTURE.
 - PVC CONDUITS NEAR ISOLATORS SHALL BE ROUTED IN SUCH A MANNER SO THAT IT DOES NOT FOUL WITH THE AUXILIARY EARTH MAT LOCATED UNDER OPERATING MECHANISM BOX.
 - CABLE SEALING ARRANGEMENT FOR SPR TO BE DECIDED AT SITE IN CONSULTATION WITH POWER GRID SITE IN-CHARGE, AS PER ACTUAL SITE CONDITION.
 - LOCATION OF BMK SHALL BE SHOWN AS PER STANDARD PRACTICE. HOWEVER THE SAME NEED TO BE FINALISED WITH POWER GRID SITE IN-CHARGE, AS PER ACTUAL SITE CONDITION.
 - VERTICAL RUN OF CABLES ON EQUIPMENTS SUPPORT STRUCTURE SHALL BE SUPPORTED ON PERFORATED CABLE TRAYS OF SUITABLE WIDTH OR PI EQUIPMENT SUPPORT STRUCTURE.
 - THIS DRAWING HAS TO BE REFERRED CABLE TRENCH ROUTING LAYOUT ONLY.
 - INSERT PLATE TO BE PROVIDED AT AN INTERVAL OF 750MM.
 - LIFTING EYES TO BE PROVIDED FOR TRENCH COVERS AT APPROPRIATE LOCATIONS.
 - 200mm THICK BRICK WALL SHALL BE PROVIDED WHEREVER MAIN TRENCH IS TO BE EXTENDED IN FUTURE.
 - PIPES SHALL BE BURIED IN THE GROUND AT A DEPTH OF 250mm BELOW FGL (11.2M).
 - LINE SIDE EQUIPMENT LOCATION SHALL BE UNDER HOLD & SHALL BE FINALISED AFTER RECEIPT OF DEAD END TOWER LOCATION FROM POWERGRID.
 - SEPERATE PVC PIPE SHALL BE USED FOR POWER & CONTROL CABLES.
- REFERENCE DRG:
- VATAMAN SWITCHING S/S- SINGLE LINE DIAGRAM- DRG NO. TB202318-1002026-SS3500-SLD
 - VATAMAN SWITCHING S/S- ELECTRICAL LAYOUT PLAN & SECTION- DRG NO. TB202318-1002026-SS3500-ELECT-LAYOUT
 - DETAILS OF CABLE TRENCHES AND CABLE TRENCH ROAD CROSSINGS- DRG NO. C/ENG-STD/2016/RTCT/1

NON NO. : CC / IT / W&S / DOM / ADA / 23 / 05/16 / NDA / 1 / 24-10/427 / 01 DTD 23-03-2024

NO.	REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
1	1	23-03-2024	ISSUED FOR CONSTRUCTION	...	...	...
2	2	23-03-2024	...	...	...	...
3	3	23-03-2024	...	...	...	...
4	4	23-03-2024	...	...	...	...
5	5	23-03-2024	...	...	...	...
6	6	23-03-2024	...	...	...	...
7	7	23-03-2024	...	...	...	...
8	8	23-03-2024	...	...	...	...
9	9	23-03-2024	...	...	...	...
10	10	23-03-2024	...	...	...	...
11	11	23-03-2024	...	...	...	...
12	12	23-03-2024	...	...	...	...
13	13	23-03-2024	...	...	...	...
14	14	23-03-2024	...	...	...	...
15	15	23-03-2024	...	...	...	...
16	16	23-03-2024	...	...	...	...
17	17	23-03-2024	...	...	...	...
18	18	23-03-2024	...	...	...	...
19	19	23-03-2024	...	...	...	...
20	20	23-03-2024	...	...	...	...
21	21	23-03-2024	...	...	...	...
22	22	23-03-2024	...	...	...	...
23	23	23-03-2024	...	...	...	...
24	24	23-03-2024	...	...	...	...
25	25	23-03-2024	...	...	...	...
26	26	23-03-2024	...	...	...	...
27	27	23-03-2024	...	...	...	...
28	28	23-03-2024	...	...	...	...
29	29	23-03-2024	...	...	...	...
30	30	23-03-2024	...	...	...	...
31	31	23-03-2024	...	...	...	...
32	32	23-03-2024	...	...	...	...
33	33	23-03-2024	...	...	...	...
34	34	23-03-2024	...	...	...	...
35	35	23-03-2024	...	...	...	...
36	36	23-03-2024	...	...	...	...
37	37	23-03-2024	...	...	...	...
38	38	23-03-2024	...	...	...	...
39	39	23-03-2024	...	...	...	...
40	40	23-03-2024	...	...	...	...
41	41	23-03-2024	...	...	...	...
42	42	23-03-2024	...	...	...	...
43	43	23-03-2024	...	...	...	...
44	44	23-03-2024	...	...	...	...
45	45	23-03-2024	...	...	...	...
46	46	23-03-2024	...	...	...	...
47	47	23-03-2024	...	...	...	...
48	48	23-03-2024	...	...	...	...
49	49	23-03-2024	...	...	...	...
50	50	23-03-2024	...	...	...	...
51	51	23-03-2024	...	...	...	...
52	52	23-03-2024	...	...	...	...
53	53	23-03-2024	...	...	...	...
54	54	23-03-2024	...	...	...	...
55	55	23-03-2024	...	...	...	...
56	56	23-03-2024	...	...	...	...
57	57	23-03-2024	...	...	...	...
58	58	23-03-2024	...	...	...	...
59	59	23-03-2024	...	...	...	...
60	60	23-03-2024	...	...	...	...
61	61	23-03-2024	...	...	...	...
62	62	23-03-2024	...	...	...	...
63	63	23-03-2024	...	...	...	...
64	64	23-03-2024	...	...	...	...
65	65	23-03-2024	...	...	...	...
66	66	23-03-2024	...	...	...	...
67	67	23-03-2024	...	...	...	...
68	68	23-03-2024	...	...	...	...
69	69	23-03-2024	...	...	...	...
70	70	23-03-2024	...	...	...	...
71	71	23-03-2024	...	...	...	...
72	72	23-03-2024	...	...	...	...
73	73	23-03-2024	...	...	...	...
74	74	23-03-2024	...	...	...	...
75	75	23-03-2024	...	...	...	...
76	76	23-03-2024	...	...	...	...
77	77	23-03-2024	...	...	...	...
78	78	23-03-2024	...	...	...	...
79	79	23-03-2024	...	...	...	...
80	80	23-03-2024	...	...	...	...
81	81	23-03-2024	...	...	...	...
82	82	23-03-2024	...	...	...	...
83	83	23-03-2024	...	...	...	...
84	84	23-03-2024	...	...	...	...
85	85	23-03-2024	...	...	...	...
86	86	23-03-2024	...	...	...	...
87	87	23-03-2024	...	...	...	...
88	88	23-03-2024	...	...	...	...
89	89	23-03-2024	...	...	...	...
90	90	23-03-2024	...	...	...	...
91	91	23-03-2024	...	...	...	...
92	92	23-03-2024	...	...	...	...
93	93	23-03-2024	...	...	...	...
94	94	23-03-2024	...	...	...	...
95	95	23-03-2024	...	...	...	...
96	96	23-03-2024	...	...	...	...
97	97	23-03-2024	...	...	...	...
98	98	23-03-2024	...	...	...	...
99	99	23-03-2024	...	...	...	...
100	100	23-03-2024	...	...	...	...