

Drawing approval subject to valid vendor registration

BAY MARSHALLING BOX KIOSK FOR 400KV SS (BOTH 400KV AND 220KV BAYS)

CLIENT : TRANSMISSION CORPORATION OF ANDHRA PRADESH

CONTRACTOR : AS APPLICABLE

PROJECT : AS APPLICABLE

Manufacturer : M/s. SRINIVASA ENTRPRISES

Quantity : AS APPLICABLE

Drawing No. : SE / APTRANSCO / BMK FOR 400KV & 220KV BAYS / 57 / 24-25


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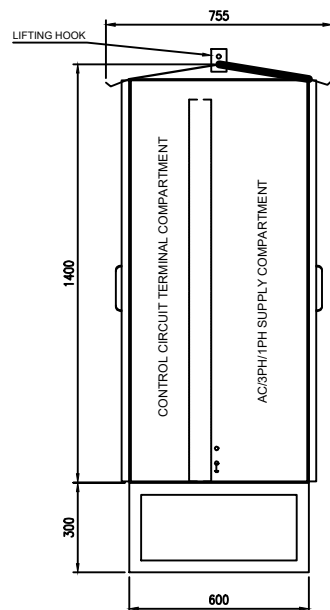
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	03.	-	CHKD.	NARASIMHAM	
	02.	-	APPD.	S.S.RAO	
	01.	-	ALL DIMENSIONS IN mm.		SIGN.
25-05-2024	00.	FIRST SUBMISSION FOR APPROVAL	TOLERANCE 5%		
DATE	No.	REVISIONS DESCRIPTION	REVISIONS : 00		

MANUFACTURER
SRINIVASA ENTERPRISES
B-5, T.I.E - BALANAGAR,
HYDERABAD - 500037,
PH.No : 9246378045,
EMAIL : somana123@yahoo.com

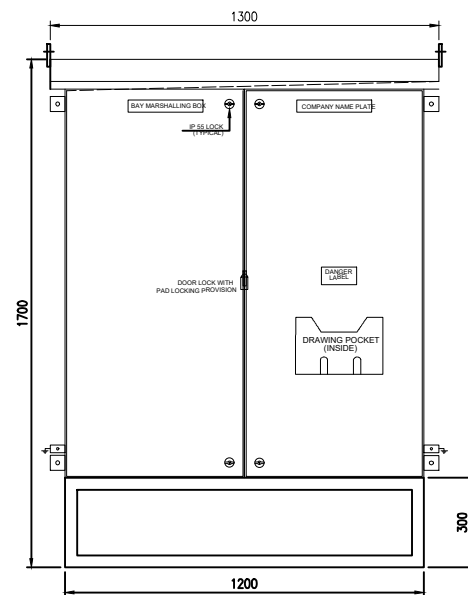


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DRG. No.	SE / APTRANSCO / BMK FOR 400KV & 220KV BAYS / 57 / 24-25
	SH. No. 01 OF 13

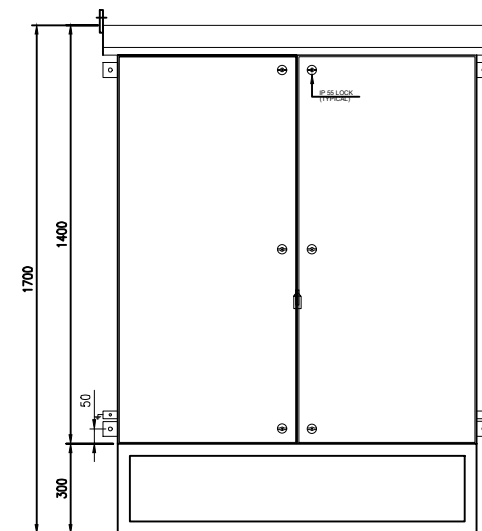
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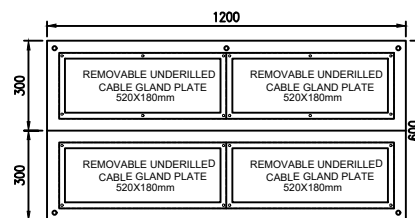
SIDE VIEW



FRONT VIEW



BACK VIEW



BOTTOM VIEW

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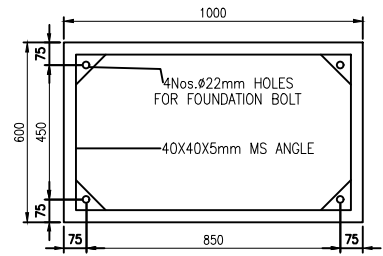
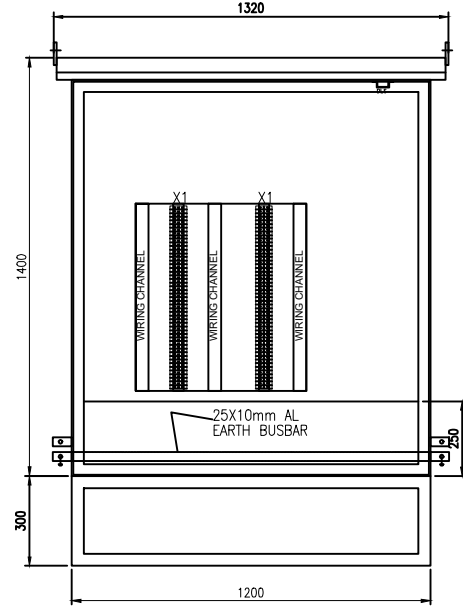
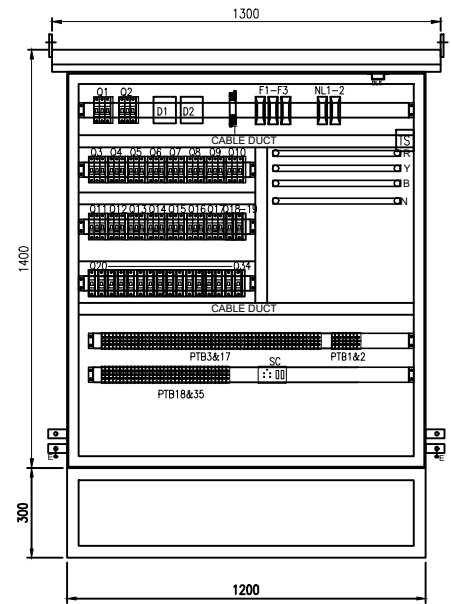
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B-5, T.I.E - BALANAGAR,
HYDERABAD - 500037,
PH.No : 9246378045,
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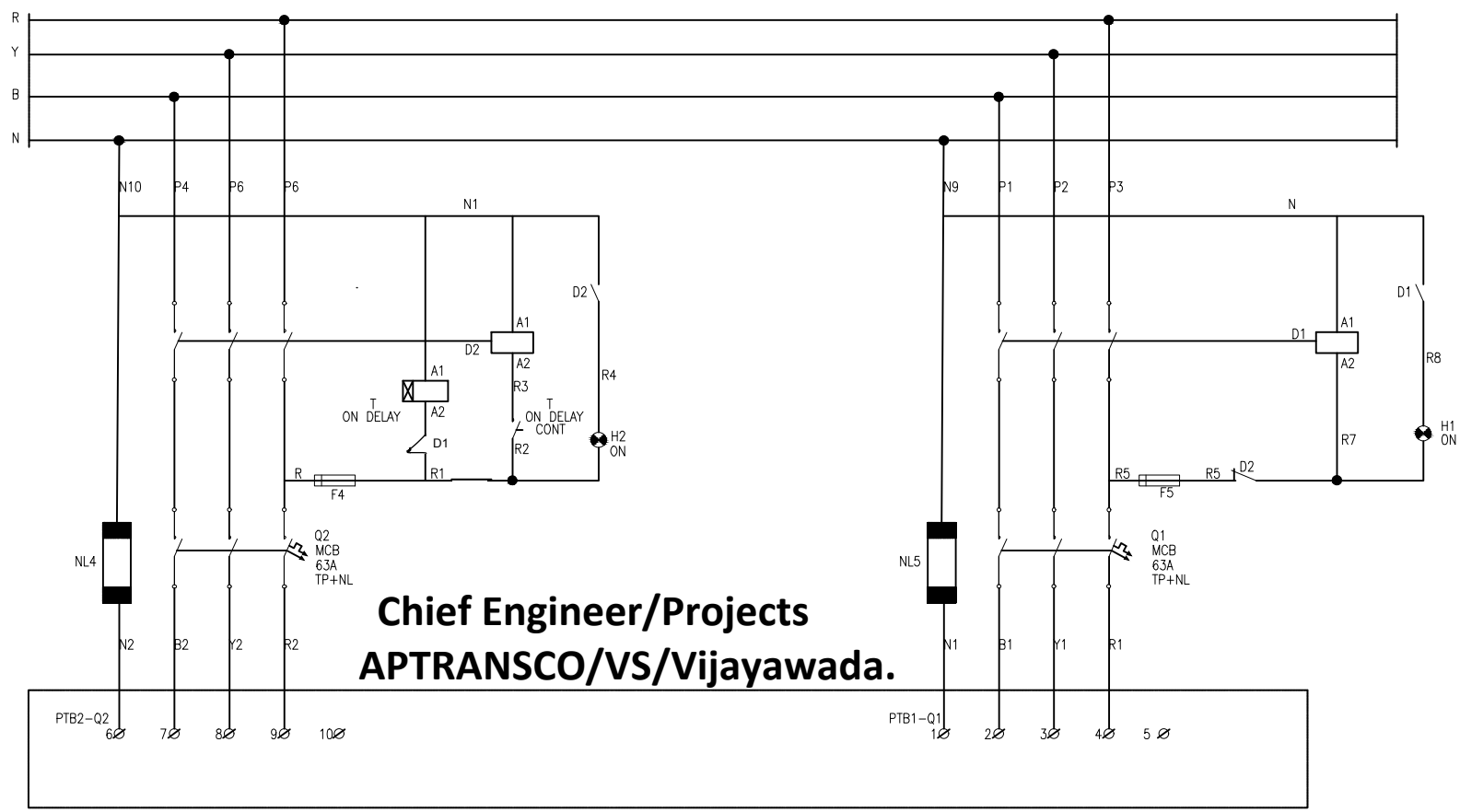
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A	<p>GENERAL TECHNICAL PARTICULARS</p> <p>1. (a) Type Of Panel : Non-Drawout Type : Non-Compartmentalised Structure : Construction Single Front</p> <p>(b) Type Of Mounting : Pedestal Mounting</p> <p>2. Cable Entry : Bottom (Incoming/Outgoing)</p> <p>3. Thickness Of Sheet Steel : 3 mm AL Alloy Material</p> <p>4. Busbars : AL. Busbar</p> <p>5. Busbar Size : 25x6mm AL. Busbar</p> <p>6. Earth Busbar Size : 25x10mm AL. Busbar</p> <p>7. Busbar Supports : SMC/DMC Moulded Support</p> <p>8. Control Wiring With Flexible Copper Conductor PVC Insulated Wires, 1.1kV Grade. (a) Voltage Circuit : 2.5Sq. mm (Black) (b) Current Circuit : 2.5Sq. mm (Red, Yellow, Blue) (c) Earthing : 2.5Sq. mm (Green) For All Components. (d) DC Circuit : 2.5Sq. mm (Grey)</p> <p>9. Minimum Size Of Power Wiring, Flexible Copper Conductor PVC Insulated Wires, 1.1kV Grade. (a) Upto 10A: 2.5Sq mm, Copper (b) Upto 24A: 4Sq mm, Copper (c) Upto 32A: 6Sq mm, Copper (d) Upto 40A: 10Sq mm, Copper (e) Upto 63A: 35Sq mm, Copper (f) Upto 100A: 70Sq mm, Copper</p> <p>10. PVC Tag Ferrules : 2.5Sq mm PVC With NOS</p> <p>11. Degree of Protection : IP-55</p> <p>12. Painting (a) Treatment : Seven Tank Process (b) Type : Powder Coated (c) Shade : 631 Of IS:5 (Interior & Exterior)</p> <p>13. Test Voltage (IS:8623 Part-1) (a) Insulation Test : 500V Megger Power & Control (b) High Voltage Test : 2.5kV For 60 Sec</p> <p>14. Gasket Type : EPDM Gasket</p> <p>15. Type Of Name Plate : Engraved With White Letter Son Black Surface</p> <p>16. All hinge doors shall be earth through 6Sq mm Flexible Earthing Braid</p> <p>17. The covers on rear shall be of bolted type</p> <p>18. The Panel shall generally conform to IS:8623</p> <p>19. Name Plate, Caution Plate and Labels will be provided</p> <p>20. Temperature rise over design ambient temperature of 50 deg C shall not exceed 40 deg C.</p> <p>21. All door will have padlocking facility</p> <p>22. All dimensions are in mm</p> <p>23. Busbar clearance between phases shall be 25mm & Phase & Neutral/Earth 25mm, Wherever it is not feasible to maintain these clearance in such places phase barriers shall be provided.</p> <p>24. All Busbar with colour Coded with heat shrinkable PVC sleeves as per IS:11353 RYB For Phases, Black for Neutral and Green for earth terminal</p> <p>25. Acrylic Sheet to be Provided for Busbar</p>																																																		
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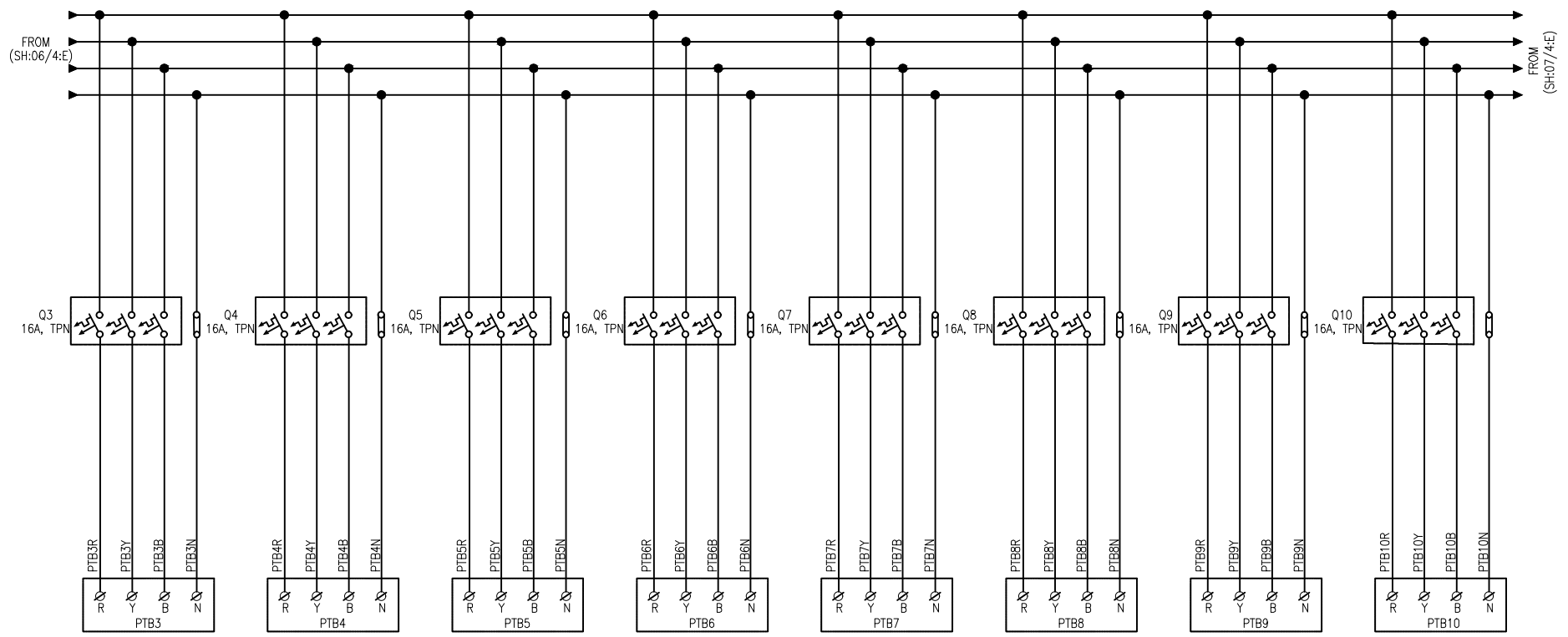


DRAWING	POWER & CONTROL CIRCUIT DIAGRAM
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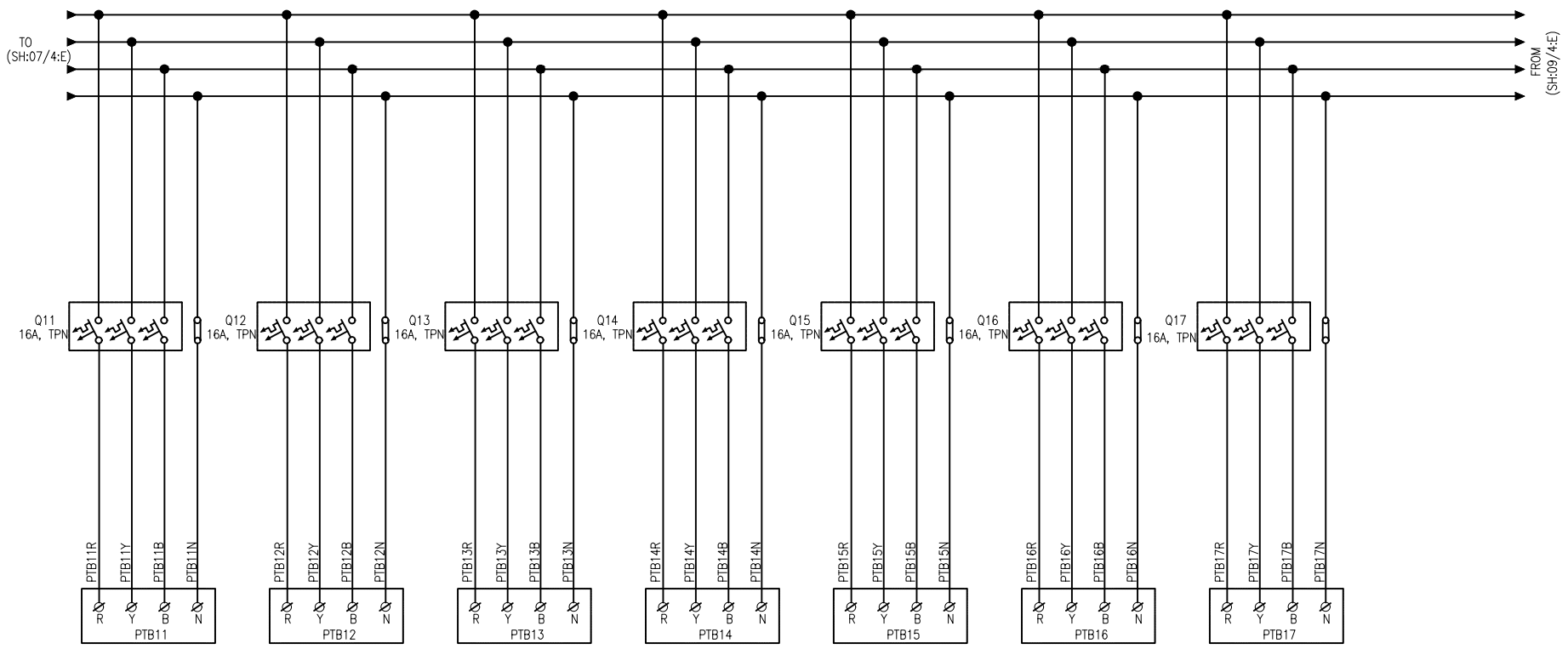
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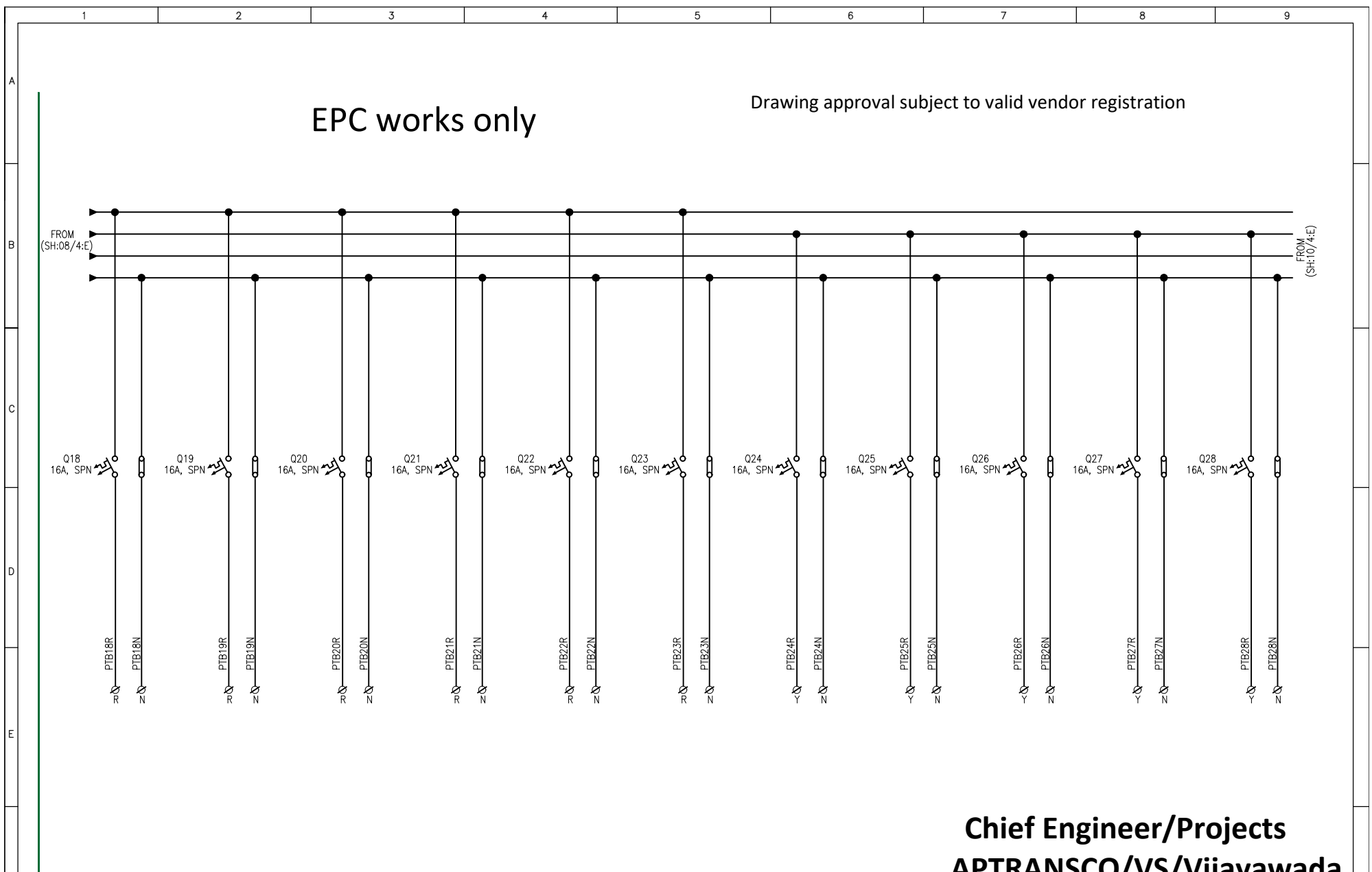
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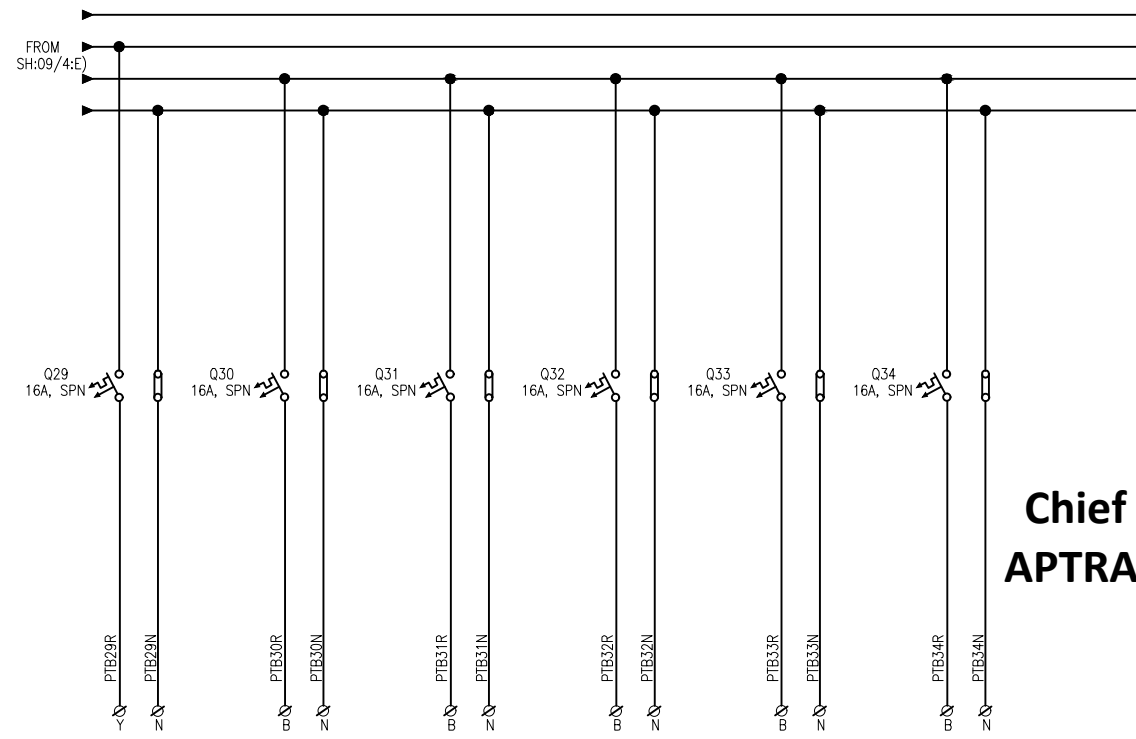
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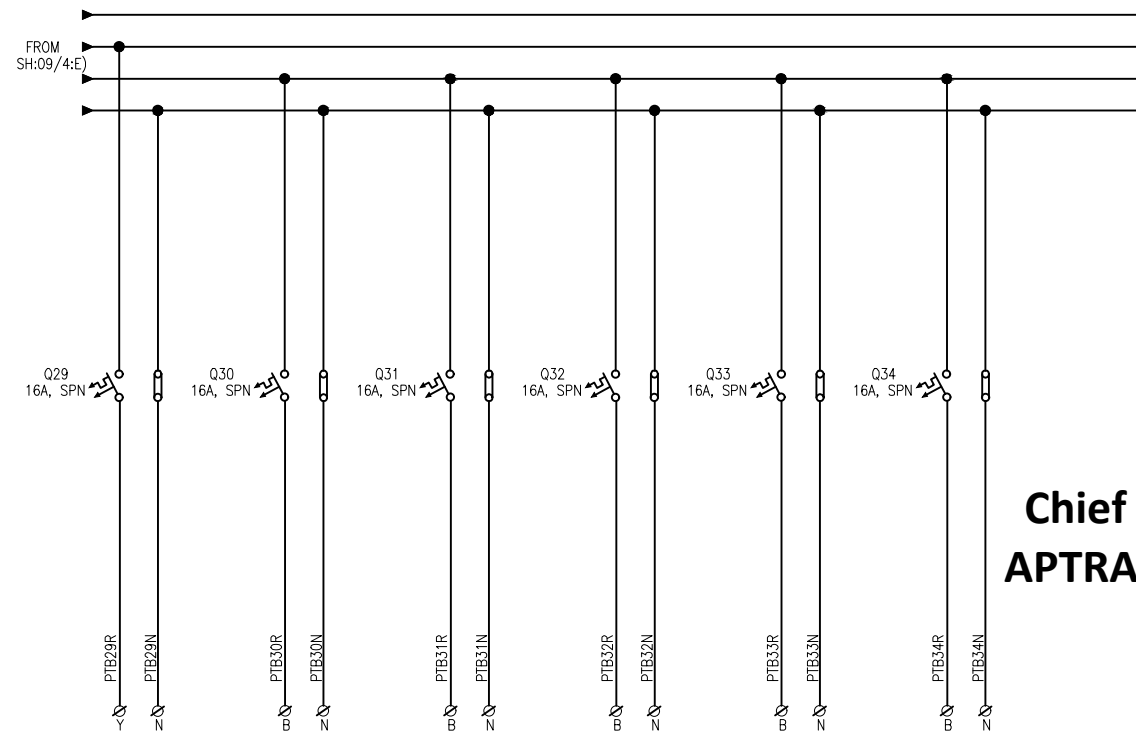

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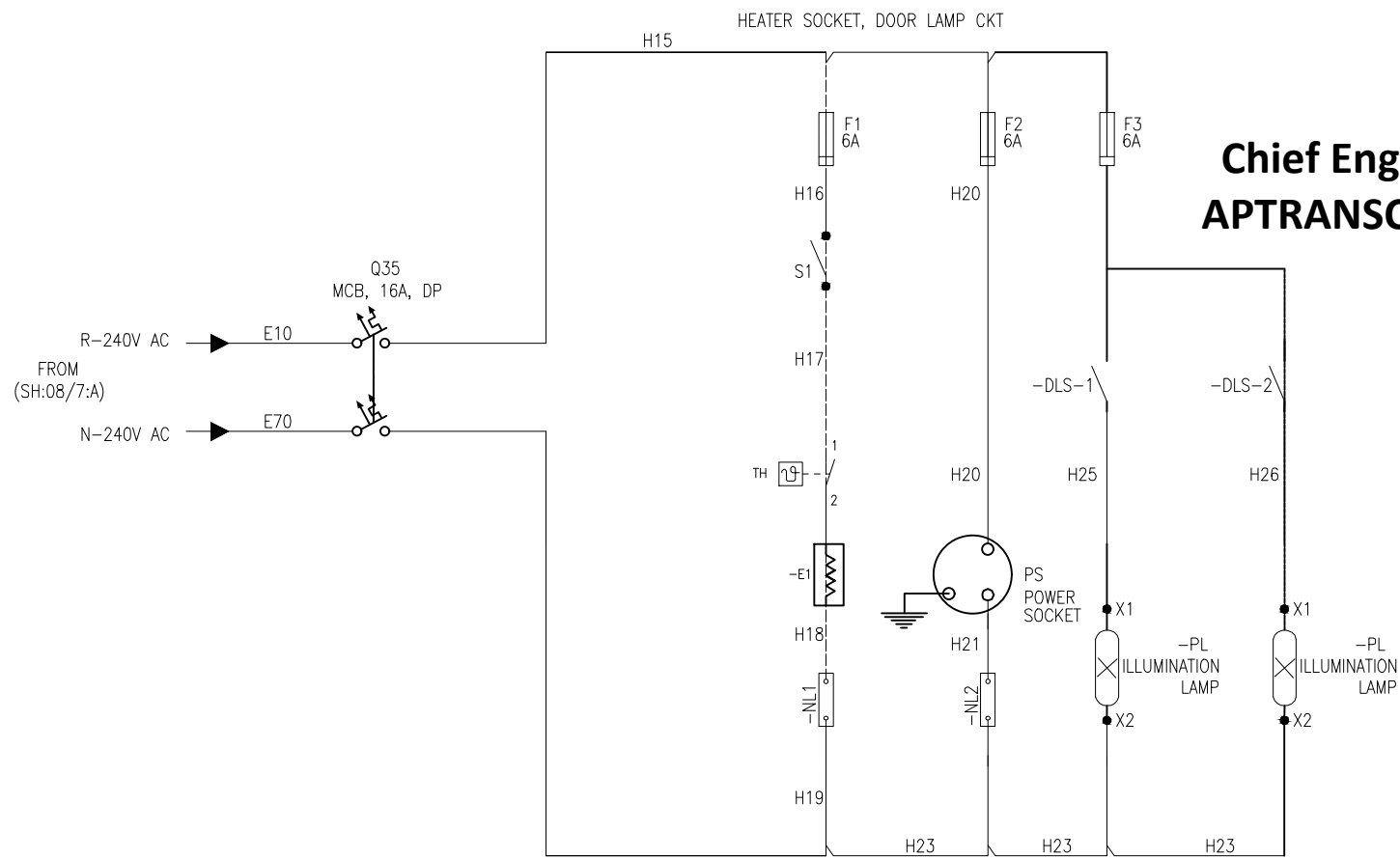
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DATE	No.	REVISIONS DESCRIPTION		REVISIONS : 00

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SRINIVASA ENTERPRISES

B-5, T.I.E - BALANAGAR,
HYDERABAD - 500037,
PH.No : 9246378045,
EMAIL : somana123@yahoo.com

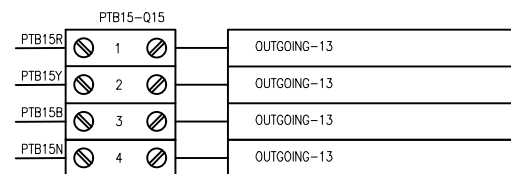
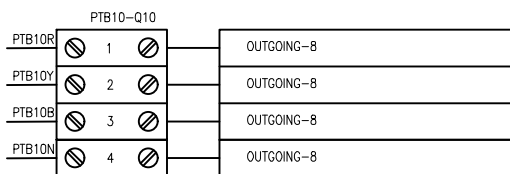
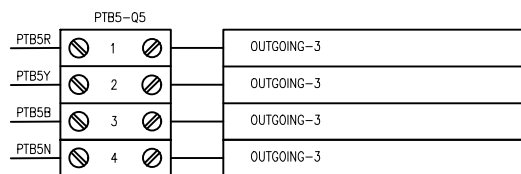
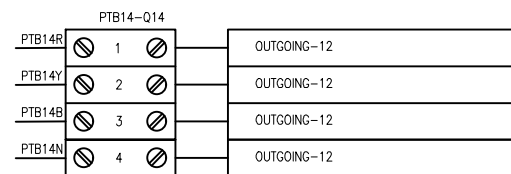
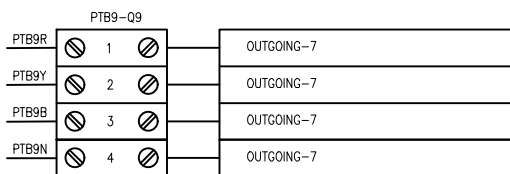
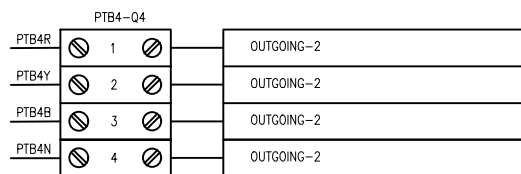
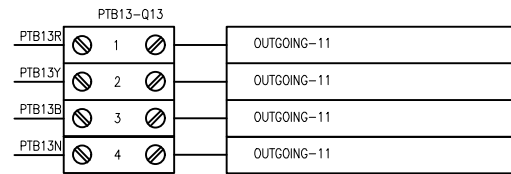
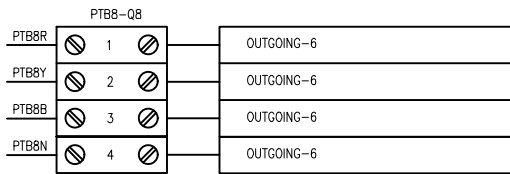
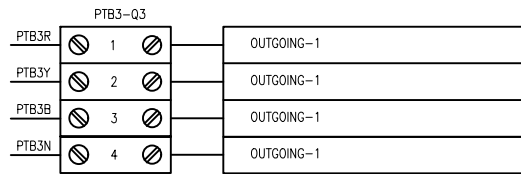
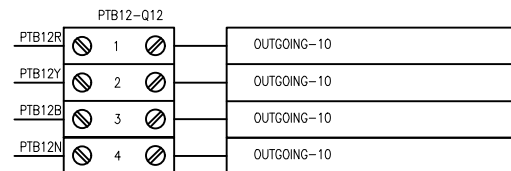
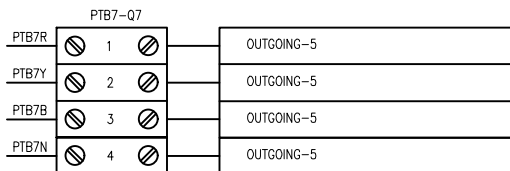
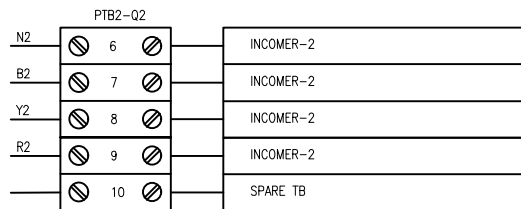
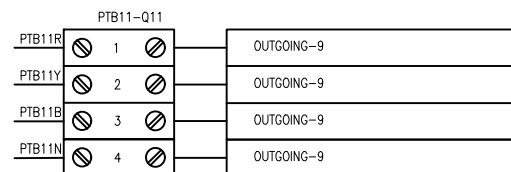
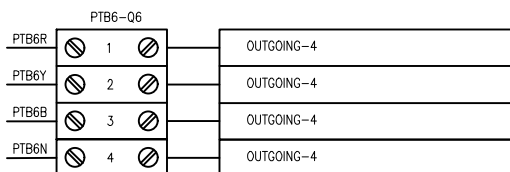
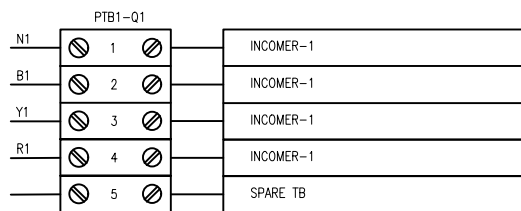


DRAWING	PANEL SPACE HEATER CIRCUIT & TB DETAILS		
TITLE	BAY MARSHALLING BOX KIOSK FOR 400KV SS (BOTH 400KV AND 220KV BAYS)		
PROJECT	AS APPLICABLE		
LOI No.	AS APPLICABLE		
SUBSTATION	AS APPLICABLE		
DRG. No.	SE / APTRANSCO / BMK FOR 400KV & 220KV BAYS / 57 / 24-25	SH. No. 10 OF 13	

F

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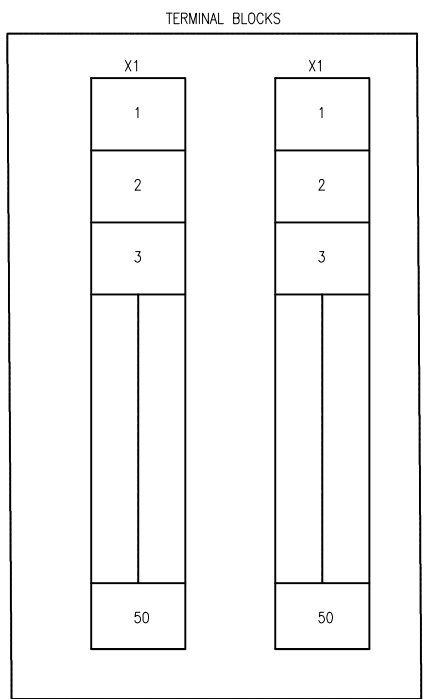
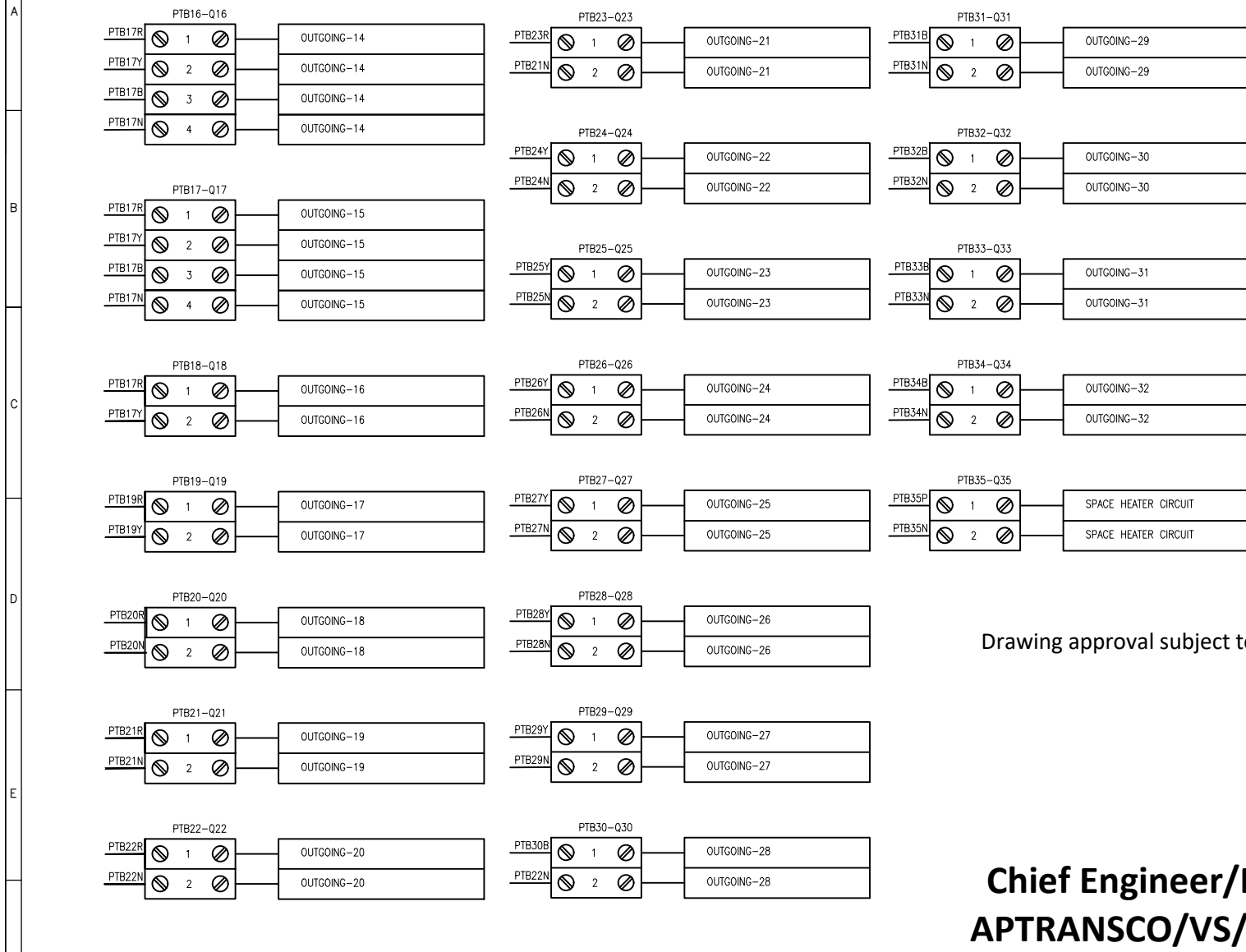
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DATE	No.	REVISIONS DESCRIPTION		REVISIONS : 00

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HYDERABAD - 500037,
PH.No : 9246378045,
EMAIL : somana123@yahoo.com



DRAWING	TERMINAL BLOCK DETAILS
TITLE	BAY MARSHALLING BOX KIOSK FOR 400kv SS (BOTH 400kv AND 220kv BAYS)
PROJECT	AS APPLICABLE
LOI No.	AS APPLICABLE
SUBSTATION	AS APPLICABLE
DRG. No.	SE / APTRANSCO / BMK FOR 400KV & 220KV BAYS / 57 / 24-25
	SH. No. 11 OF 13

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DRAWING	TERMINAL BLOCK DETAILS
TITLE	BAY MARSHALLING BOX KIOSK FOR 400KV SS (BOTH 400KV AND 220KV BAYS)
PROJECT	AS APPLICABLE
LOI No.	AS APPLICABLE
SUBSTATION	AS APPLICABLE
DRG. No.	SE / APTRANSCO / BMK FOR 400KV & 220KV BAYS / 57 / 24-25
	SH. No. 12 OF 13

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BILL OF MATERIALS

Sl. No.	Tag	Technical Specification	Make	UOM	Quantity
1	PNL	Pedestal Mounting type, Single Front, Indoor type with 3mm aluminum cubicle. Dimension: 1400x1000x600 (HxWxD) Base Stand height of 300mm with Black Paint Panel Inside & Outside Powder coated with RAL 7035 Aluminium bus bars as per current rating And earth Busbar 25x10mm AL.	GREEN SECURE ENERGY SYSTEMS	Nos	1
INCOMER :					
1	Q1&Q2	Miniature Circuit Breaker 63A, TPN, 10kA C-Curve	L&T	Nos	2
2	1H1&2H1	Indication lamp 22.5mm Dia 230V AC Red Colour for I/C-1&2 Healthy	Teknic	Nos	2
3	D1&D2	Contactora -63A-240V AC Coil -1NO+1NC	L&T	Nos	2
4	ADD	Aux Block -1NC	L&T	Nos	2
5	NL	NEUTRAL LINK	REPUTED	Nos	2
6	T	Timer -0.1S to 10Hrs -2 C/O -24V -240V AC /DC	L&T	Nos	1
7	Q3-Q17	Miniature Circuit Breaker 16A, TPN, 10kA C-Curve	L&T	Nos	15
8	Q18-Q34	Miniature Circuit Breaker 16A, SPN, 10kA C-Curve	L&T	Nos	17
9	Q35	Miniature Circuit Breaker 10A, DP, 10kA C-Curve	L&T	Nos	1
10	F(4-5)	HRC Fuse -Slow -6A-415V AC clip on	Bussman	Nos	3
11	F(4-5)	Fuse base, 20A, 550V AC	Bussman	Nos	3
12	PTB1-34	Power terminal block -57A With Spares	Elmex	Nos	104
13	X1	Terminal Blocks 40A, Single	Elmex	Nos	100
Panel Space Heater Circuit					
1	PNL	Panel Lamp 230V AC 5W	Philips	Nos	2
2	DLS1-2	Door Limit Switch With 1NO+1NC	Siemens	Nos	2
3	SH	Space Heater 100W 230V AC	Girish ego	Nos	1
4	S1	Toggle switch PM-SPST ON/OFF 6A	Girish ego	Nos	1
5	SC	Plug & Socket -240V ,20A,2P+E	BCH/ROMA	Nos	1
6	TH	Thermostat (30-85)C-15A-250V AC +1NC +brack	Girish ego	Nos	1
7	NL(1-2)	Disconnecting type neutral link-15A	REPUTED	Nos	2

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DRAWING	BILL OF MATERIALS
TITLE	BAY MARSHALLING BOX KIOSK FOR 400kV SS (BOTH 400KV AND 220KV BAYS)
PROJECT	AS APPLICABLE
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SUBSTATION	AS APPLICABLE
DRG. No.	SE / APTRANSCO / BMK FOR 400KV & 220KV BAYS / 57 / 24-25
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