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GREEN SECURE ENERGY SYSTEMS,.

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NOTE : DRAWING APPROVAL SUBJECT TO VALID TYPE TEST REPORTS.
TO BE CHECKED DURING ACCEPTANCE TESTS.

CT JUNCTION BOX FOR 400kV

Customer	: M/s. APTRANSCO		
Project Name	: AS APPLICABLE		
CONTRACTOR	: AS APPLICABLE		
Manufacturer	: M/s. Green Secure Energy Systems		
P.O. No.	: AS APPLICABLE		
Job No.	: AS APPLICABLE		
Drawing No.	:GSS-23-24-041CTJB		
Quantity	: AS APPLICABLE		
		Chief Engineer Projects	
Drawn By RAMESH C	Checked By Bhaskar	Approved By Jothiswar	Total no. of pages 07

						DRN	RC	SCALE	NA		
					CT JUNCTION BOX FOR 400kV	CHD	BB	DATE	05.12.2022		
					COVER SHEET	APPD	JR	SHEET NO.			
R1	16.12.2022	REVISED AS PER CUSTOMER COMMENTS		BB	TITLE	DRAWING No.		01	OF	07	
					PAGE TYPE	GSS-23-24-041CTJB		REV.	R1		

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SH.NO.	DESCRIPTION	SHEET NO.	REV. No.
01	COVER SHEET	01 OF 07	R1
02	TABLE OF CONTENT	02 OF 07	R1
03	CONSTRUCTION DETAILS	03 OF 07	R1
04	TERMINAL BLOCKS DETAILS	04 OF 07	R1
05	GENERAL ARRANGEMENT (1/2)	05 OF 07	R1
06	GENERAL ARRANGEMENT (2/2)	06 OF 07	R1
07	BILL OF MATERIALS	07 OF 07	R1

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R1	16.12.2022	REVISED AS PER CUSTOMER COMMENTS	BB			DRAWING No.		02	OF 07
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THIS SPECIFICATION COVERS A PART OF ELECTRICAL EQUIPMENT INCLUDING DESIGN MANUFACTURING, TEST AT SHOP AND LOADING FOR SHIPMENT ETC SPECIFIED HERE IN AFTER	
CLASSIFICATION	PROJECT: <input checked="" type="checkbox"/> DOMESTIC
APPLICABLE STANDARDS	IS <input checked="" type="checkbox"/> IS:3427
NORMAL SERVICE CONDITION	ALTITUDE : <input checked="" type="checkbox"/> < 1000M AMBIENT TEMPERATURE <input checked="" type="checkbox"/> 50°C RELATIVE HUMIDITY <input checked="" type="checkbox"/> 90%
STRUCTURE	MATERIAL : <input checked="" type="checkbox"/> ALUMINIUM TYPE OF APPLICATION : <input checked="" type="checkbox"/> OUTDOOR THICKNESS : <input checked="" type="checkbox"/> 3MM GLAND PLATE : <input checked="" type="checkbox"/> ALUMINIUM THICKNESS: <input checked="" type="checkbox"/> 3MM <input checked="" type="checkbox"/> ALUMINIUM TYPE OF MOUNTING : <input checked="" type="checkbox"/> WALL IP PROTECTION CODE : <input checked="" type="checkbox"/> IP55
	POWDER COATING : OUTSIDE <input checked="" type="checkbox"/> 631 OF IS-5 INSIDE <input checked="" type="checkbox"/> GLOSSY WHITE PAINT THICKNES : <input checked="" type="checkbox"/> 60 MICRONS (MIN.) GASKET METERIAL : <input checked="" type="checkbox"/> EPDM GASKET ENCLOSURE DIMENSION : <input checked="" type="checkbox"/> 750(H) x 1350(W) x 325(D) WEIGHT OF ENCLOSURE : <input checked="" type="checkbox"/> APPROX. 70KGS.
CABLE ENTRY DETAILS:	CABLE ENTRY : <input checked="" type="checkbox"/> BOTTOM
INPECTION & TEST	<input checked="" type="checkbox"/> VISUAL INPECTION <input checked="" type="checkbox"/> FUNCTION TEST

SPECIFICATION OF WIRE			
1.1KV PVC INSULATED FLEXIBLE MULTISTRAND COPPER CABLE			
VOLTAGE LEVEL		<input checked="" type="checkbox"/> INLAND	WIRE SIZE
SINGLE PHASE 2 WIRE	PHASE	<input checked="" type="checkbox"/> RED	2.5 SQ.MM <input checked="" type="checkbox"/>
	NEUTRAL	<input checked="" type="checkbox"/> BLACK	
DOOR EARTH/GROUND		<input checked="" type="checkbox"/> GREEN STRIPPED YELLOW	2.5 SQ.MM <input checked="" type="checkbox"/>

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- * ALL DOOR & GLAND PLATES WILL BE GASKETTED WITH EPDM RUBBER
- * DISTANCE BETWEEN TWO HINGES SHALL NOT BE MORE THAN 300mm
- * ALL TERMINALS SHALL BE NUMBERED FROM TOP TO BOTTOM
- * EARTHING STUD SHALL BE SUITABLE FOR 50x6GI FLAT
- * FINAL PAINTING-POWDER COATING
- * CABLE ENTR-BOTTOM
- * DOOR EARTHING WILL BE DONE BY COPPER BRAIDS

NOTE : DRAWING APPROVAL SUBJECT TO VALID TYPE TEST REPORTS.
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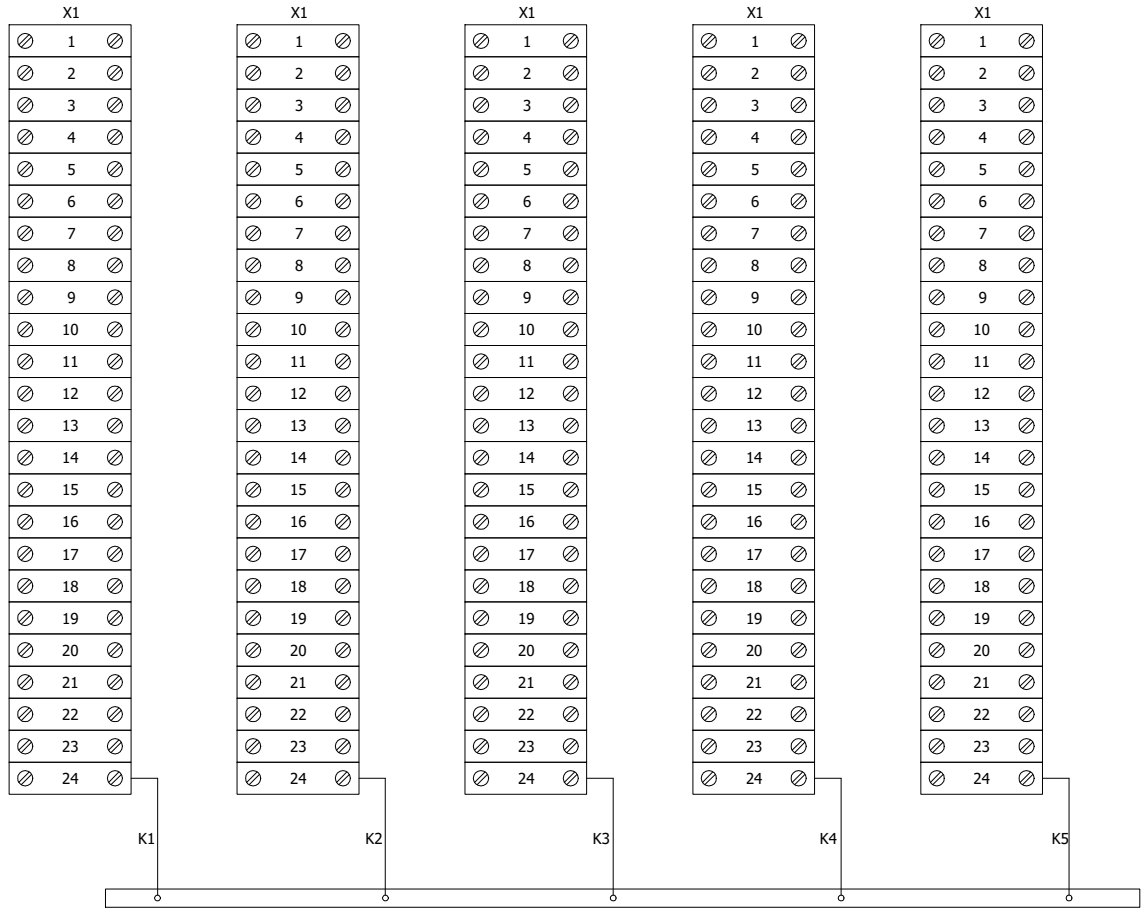
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				CONSTRUCTION DETAILS		GSS-23-24-041CTJB		REV.	R1
R1	16.12.2022	REVISED AS PER CUSTOMER COMMENTS	BB						

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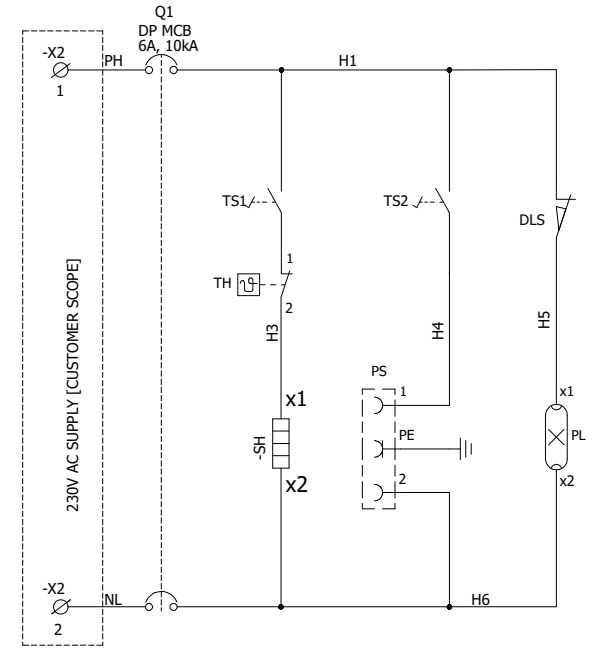
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TERMINAL BLOCKS-120 Nos



HEATER, SOCKET, DOOR LAMP CKT

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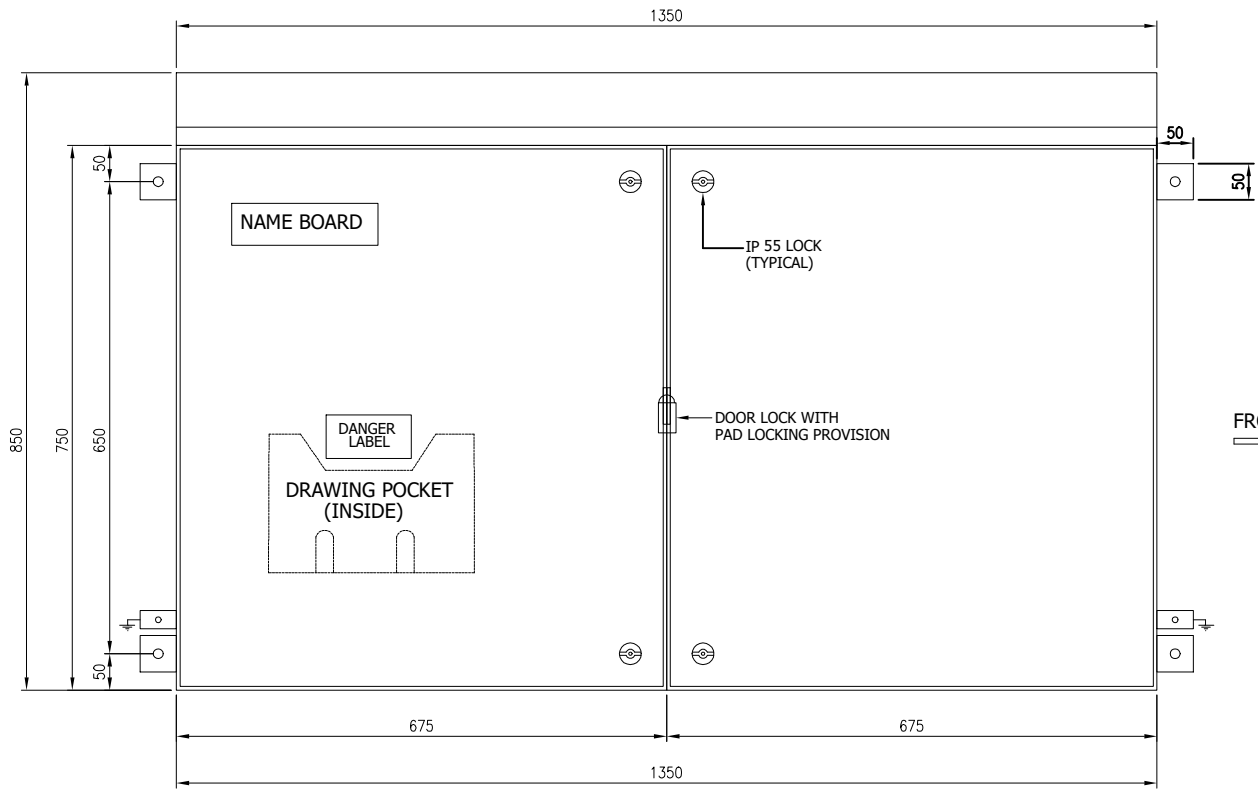
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				TITLE CT JUNCTION BOX FOR 400kV			APPD	JR	SHEET NO.	
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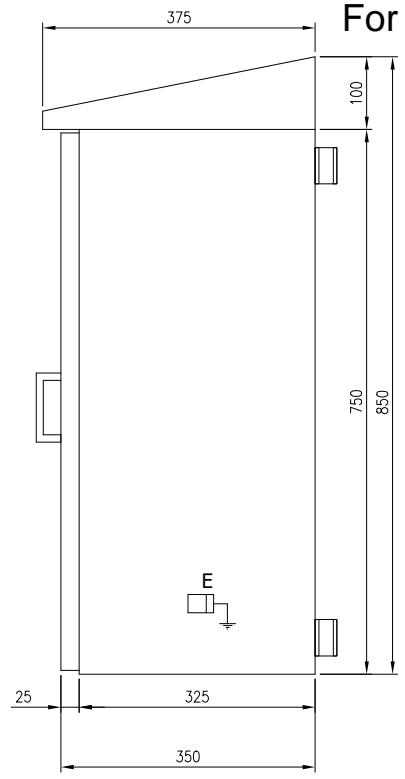
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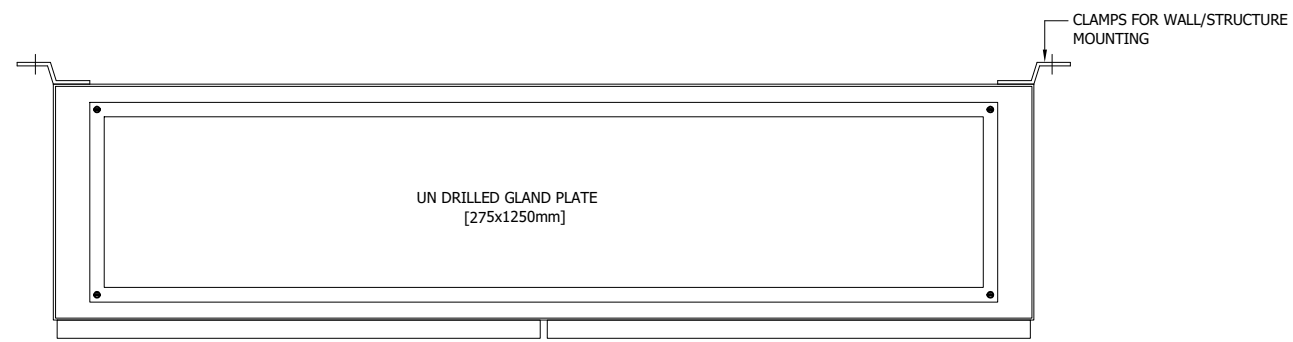
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FRONT VIEW
(DOOR CLOSED)



LH SIDE VIEW

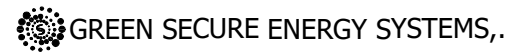


BOTTOM VIEW

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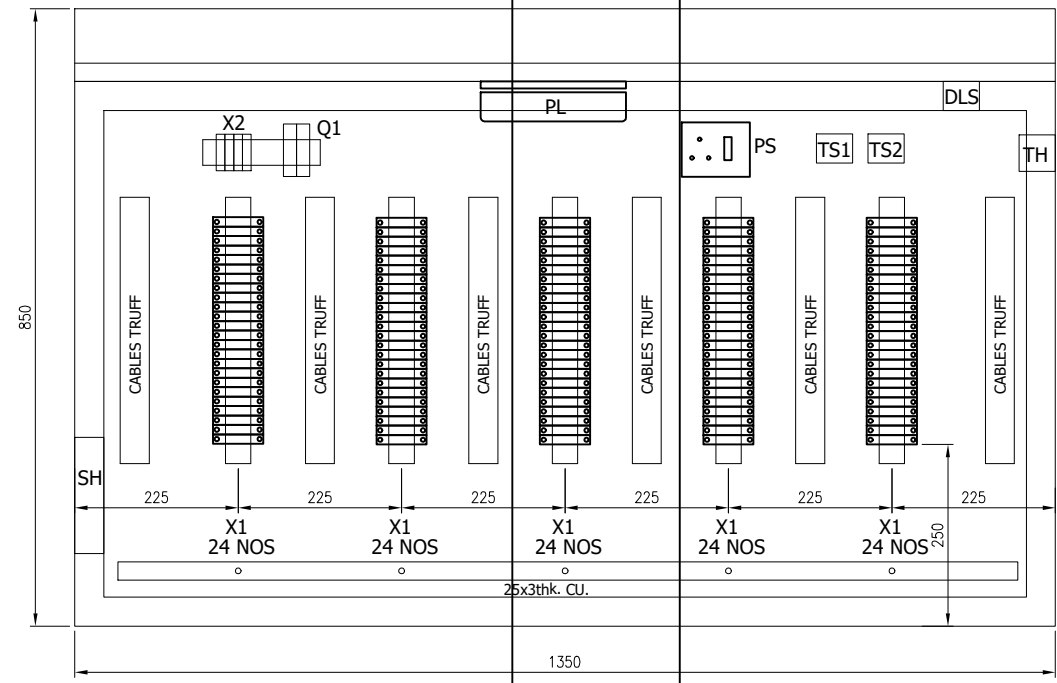
TITLE	CT JUNCTION BOX FOR 400kV		DRN	RC	SCALE	NA
	PAGE TYPE	GENERAL ARRANGEMENT (1/2)	CHD	BB	DATE	05.12.2022
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NOTES:

- * EACH COLUMN SHALL HAVE 3 SETS OF TBS SEPARATED BY GROUP MARKERS.
- * EACH SET SHALL HAVE SEVEN TBS WITH METAL SHORTING LINK ON 1ST , 2ND, TBS AND 6TH,7TH TBS
- * THERE SHALL BE END PLATES AND STOPPERS ON BOTH TOP AND BOTTOM OF EACH SET OF TBS.
- * THERE SHALL BE GROUP MARKER FOR EACH SET



INTERNAL VIEW

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BILL OF MATERIALS					
SI.No.	CKT Item Description	ITEM DESCRIPTION	QTY	UOM	Make
1	DLS	DOOR LIMIT SWITCH	1	NOS	STD vendor
2	PL	PANEL LAMP-5W LED	1	NOS	STD vendor
3	TH	THERMOSTAT (30-85 Deg.C) 15A-250VAC+1NC+BRACK	1	NOS	STD vendor
4	SH	SPACE HEATER-100W-230V AC	1	NOS	GIRISHEGO/STD
5	Q1	MCB-6A-2P-10KA-AC - C Curve	1	NOS	C&S/EQ
6	TS-1 & TS-2	TOGGLE SWITCH-PM-SPST-ON/OFF-10A	2	NOS	STD vendor
7	PS	PLUG AND SOCKET-240V,20A,2P+E	1	NOS	C&S/HPL/LEGRAND/BCH/STD
8	Earth Busbar	Bus bar-25x3Sq.mm Cu	As reqd	NOS	STD vendor
9	X1	Disconnecting Terminal Blocks-Power-41A-Single	120	NOS	KLTD M4
10	X2,1spare	stud type Terminal Blocks-Power-57A-Single-M4	3	NOS	ELMEX-CBT M4

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