

TITLE SHEET

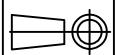
TITLE : 33kV, 1250A, 31.5kA, INDOOR TYPE VCB PANEL
CLIENT : M/S RAYS AUTOMATION PVT. LTD.
PROJECT : -----
DRG.NO : PB533/100/101/102/201/301/401/501
QTY. 1Set. (1I/C + 50/G + 1BUST PT VCB PANEL)
P.O. NO. : HSP/P.O/VCB/AK/80 **DT.** 19.11.2020

JOB NO. L-1619(10211)



Supplied By

PCTL AUTOMATION LIMITED
 P.O.BOX -683-00606, NAIROBI, KENYA
 Tel =254-20-828648 /828070
 Wireless +254-20-2025354 /0734339504
 Mobile +254-0722816124 /0734339504
 E.Mail info@pctlautomation.com
 web -www.pctlautomation.com



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N.T.S.



ASIATIC
SYSTEM HOUSE

ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
 G-1058-G4, BICO INDUSTRIAL AREA, PHASE-II
UNIT-1- BHUJADI, DIST. ALWAR, RAJASTHAN-301014, INDIA
UNIT-2- A-783(A) BICO INDUSTRIAL AREA, PHASE-II
 BHUJADI, DIST. ALWAR, RAJASTHAN-301014, INDIA

TITLE	TITLE SHEET	DSGN.	R.A.
PRODUCT	33kV 1250A 31.5kA INDOOR TYPE VCB PANEL (1I/C+50/G+1BUS PT VCB PANEL)	DRN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED	CHD.	G.M. RAI
CONSULTANT	-----	APPD.	
CUSTOMER	CORRUGATED SHEETS LIMITED	DATE	19.11.2020
PROJECT	MOMBASA KENYA	DRG. NO.	PB533/100



F
E
D
C
B
A
NOTES FOR HT SWITCH BOARD:-

1. ALL DIMENSIONS ARE IN mm.
2. THE PANELS SHALL BE DUST & VERMIN PROOF, FREE STANDING, FLOOR MOUNTED AND COMPARTMENTALISED.
3. THE PANEL SHALL BE SUITABLE FOR 3Ø, 3W 33KV 50HZ SUPPLY .
4. THE PANEL SHALL BE FABRICATED WITH
 - A. SIDE SHEET, PARTITION, EQUIPMENT MOUNTING PLATE, AND FRONT/REAR DOOR/REMOVABLE TOP & BOTTOM SHEET – 2 MM. CRCA.
 - B. LOAD BEARING MEMBER – 2 MM. CRCA.
 - C. UNDRILLED REMOVABLE GLAND PLATE – 3 MM. CRCA.
 - D. BASE FRAME – 3 MM. CRCA.
5. EPDM RUBBER GASKET SHALL BE PROVIDED INSIDE THE DOORS TO MAKE THE PANEL DUST AND VERMIN PROOF.
6. THE PANEL SHALL BE PAINTED WITH ELECTRO STATIC POWDER COATING PAINT AFTER 7 TANK PROCESS.
7. BUS BAR SHALL BE OF ELECTROLYTIC GRADE COPPER AND SUPPORTED ON NON HYGROSCOPIC, NON CARBONISING, CORROSION RESISTANCE, EPOXY RESIN CAST INSULATORS.
8. BUS BAR SHALL BE INSULATED WITH HEAT SHRINKABLE HT SLEEVES.
9. EARTH BUS SHALL BE PROVIDED THROUGHOUT THE PANEL LENGTH.
10. CONTROL WIRING SHALL BE CARRIED OUT WITH 1100V GRADE HT INSULATED COPPER FLEXIBLE WIRE AND FOLLOWING COLOUR STANDARD.
 - A. CT CIRCUIT – 2.5 SQ MM RED, YELLOW, BLUE, GREEN
 - B. PT CIRCUIT – 2.5 SQ MM RED, YELLOW, BLUE, BLACK
 - C. AC CONTROL CKT. – 2.5 SQ MM RED, BLACK
 - D. DC CIRCUIT – 2.5 SQ MM GRAY
 - E. INTER PANEL – 2.5 SQ MM BLACK/GRAY
 - F. GROUNDING – 2.5 SQ MM GREEN

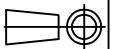
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JOB NO. L-1619(10211)

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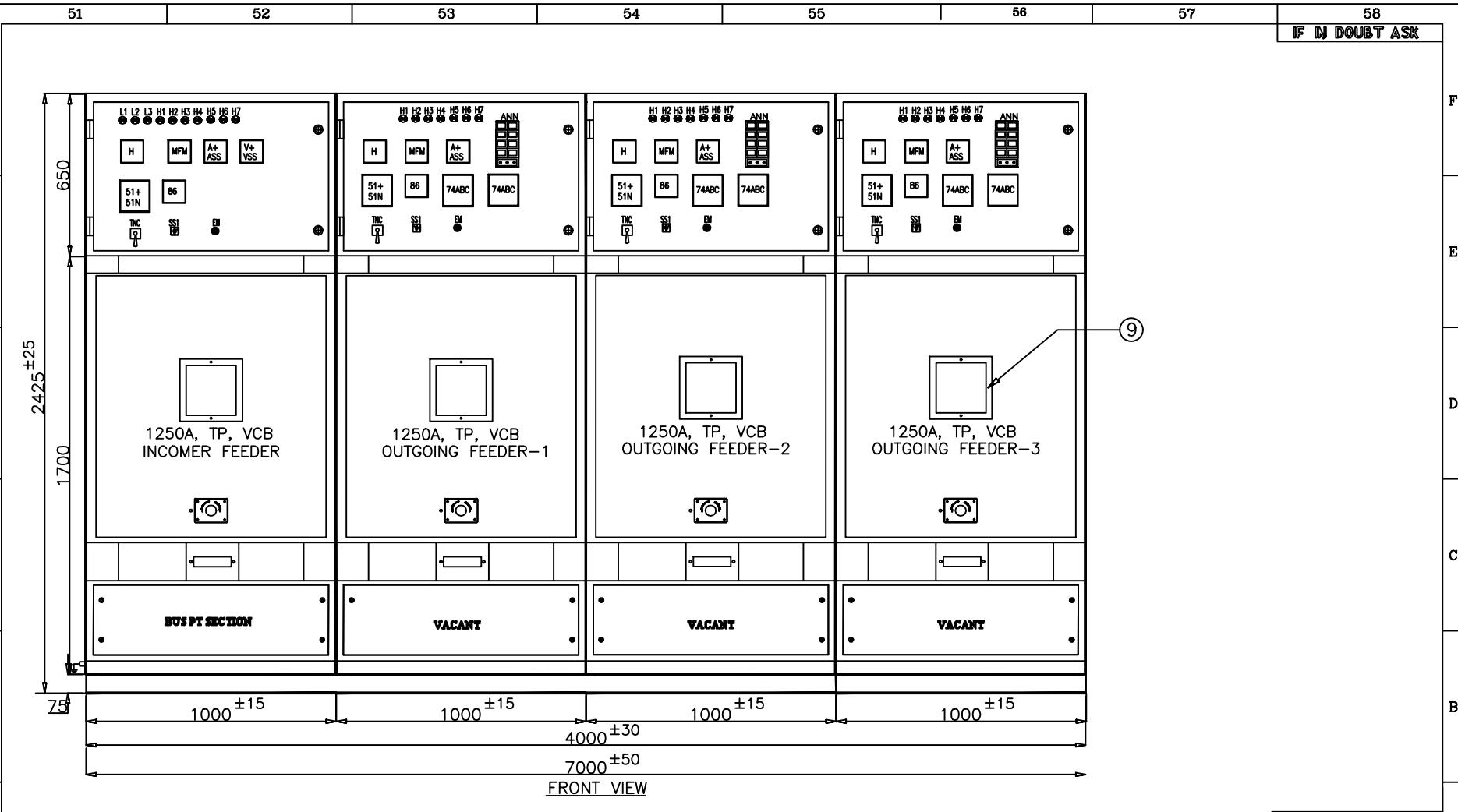
 ASIATIC
SYSTEM HOUSE

ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
 UNIT-1- C-1058-54, RICO INDUSTRIAL AREA, PHASE-II
 BURUNDI, DIST. ALVAR, RAJASTHAN-301010, INDIA
 UNIT-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II
 BURUNDI, DIST. ALVAR, RAJASTHAN-301010, INDIA

TITLE	GENERAL NOTES	DSGN.	R.A.
PRODUCT	33KV 1250A 31.5KA INDOOR TYPE VCB PANEL (11/C+50/G+1BUS PT VCB PANEL)	DRN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED	CHD.	G.M. RAI
CONSULTANT	-----	APPD.	
CUSTOMER	CORRUGATED SHEETS LIMITED	DATE	19.11.2020
PROJECT	MOMBASA KENYA	DRG. NO.	PB533/102



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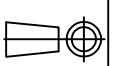


NOTE: DIMENSION, ORIENTATION & LAYOUT OF DRAWING
MAY CHANGE DURING DETAILED ENGINEERING

JOB NO. L-1619(10211)

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ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
C-1056-54, HINGO INDUSTRIAL AREA, PHASE-II
UHII-1- BHINNADI, DIST. ALVAR, RAJASTHAN-301018, INDIA
UHII-2- A-783(A) HINGO INDUSTRIAL AREA, PHASE-II
BHINNADI, DIST. ALVAR, RAJASTHAN-301018, INDIA

ALL DIMENSIONS ARE IN M.M. AND
REQUIREMENT CHANGE AS PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE
GENERAL ARRANGEMENT DRAWING

PRODUCT
33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT
PCTL AUTOMATION LIMITED

CONSULTANT

CUSTOMER
CORRUGATED SHEETS LIMITED

PROJECT
MOMBASA KENYA



QTY. 1NOS.

DSGN.	R.A.
DRN.	R.A.
CHD.	G.M. RAI
APPD.	
DATE	19.11.2020
DRG. NO.	PB533/201

IF IN DOUBT ASK

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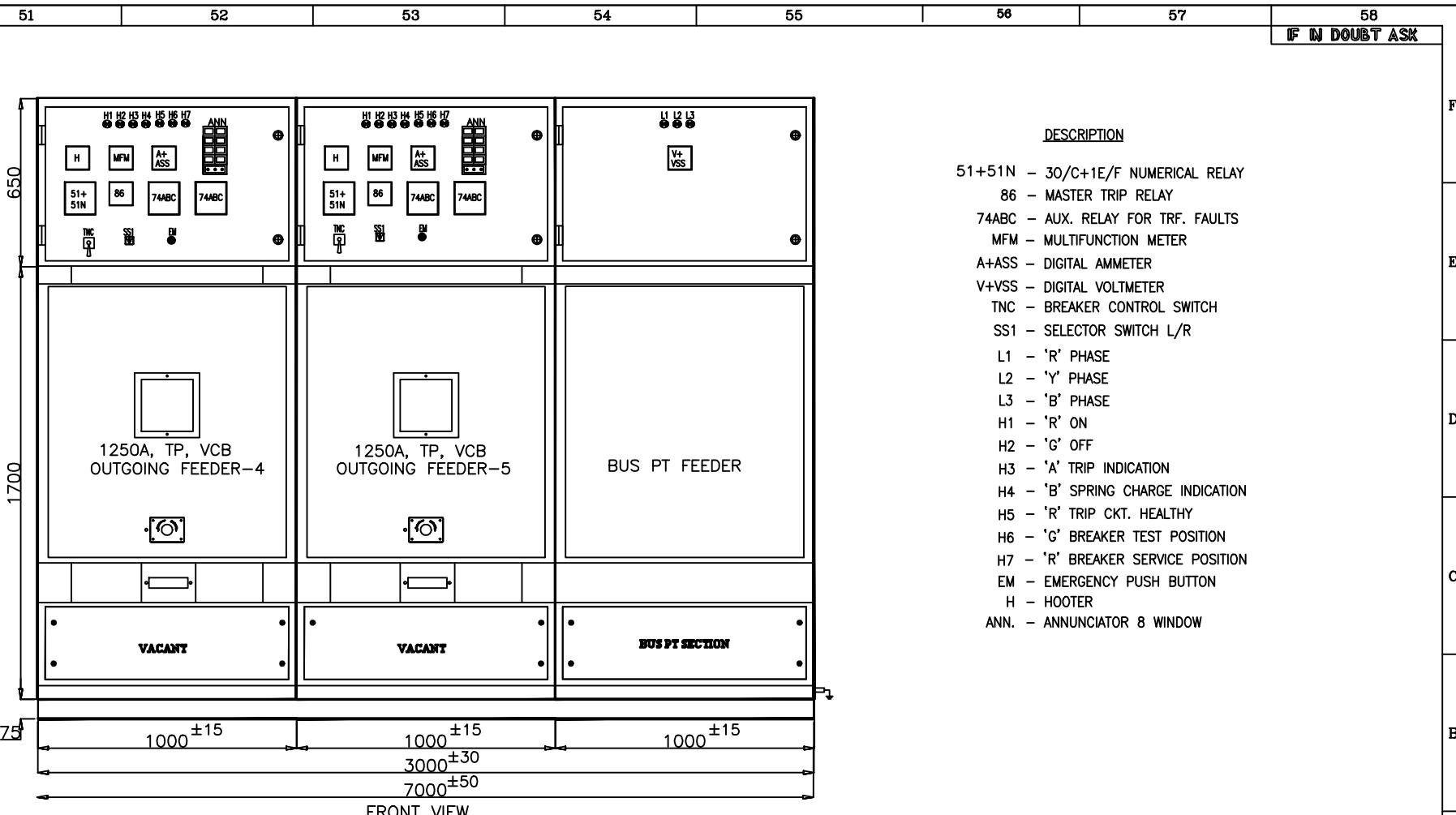
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IF IN DOUBT ASK

DESCRIPTION

51+51N - 30/C+1E/F NUMERICAL RELAY
86 - MASTER TRIP RELAY
74ABC - AUX. RELAY FOR TRF. FAULTS
MFM - MULTIFUNCTION METER
A+ASS - DIGITAL AMMETER
V+VSS - DIGITAL VOLTMETER
TNC - BREAKER CONTROL SWITCH
SS1 - SELECTOR SWITCH L/R
L1 - 'R' PHASE
L2 - 'Y' PHASE
L3 - 'B' PHASE
H1 - 'R' ON
H2 - 'G' OFF
H3 - 'A' TRIP INDICATION
H4 - 'B' SPRING CHARGE INDICATION
H5 - 'R' TRIP CKT. HEALTHY
H6 - 'G' BREAKER TEST POSITION
H7 - 'R' BREAKER SERVICE POSITION
EM - EMERGENCY PUSH BUTTON
H - HOOTER
ANN. - ANNUNCIATOR 8 WINDOW



QTY. 1NOS.

TITLE	GENERAL ARRANGEMENT DRAWING		DSGN.	R.A.
PRODUCT	33kV 1250A 31.5kA INDOOR TYPE VCB PANEL (11/C+50/G+1BUS PT VCB PANEL)		DRN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED		CHD.	G.M. RAI
CONSULTANT	-----		APPD.	
CUSTOMER	CORRUGATED SHEETS LIMITED		DATE	19.11.2020
PROJECT	MOMBASA KENYA		DRG. NO.	PB533/201
SCALE	N.T.S.	ALL DIMENSIONS ARE IN M.M. AND CHARTS ARE FOR MANUFACTURING REQUIREMENT AND ENGINEERING TOLERANCES.	SHEET NO.	2
			NO. OF SHEET	6

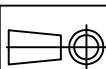
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JOB NO. L-1619(10211)

Supplied By

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ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
UNIT-1- G-1058-59, RIDCO INDUSTRIAL AREA, PHASE-II
BHARADI, DIST. AJMER, RAJASTHAN -301018, INDIA
UNIT-2- A-783(A) RIDCO INDUSTRIAL AREA, PHASE-II
BHARADI, DIST. AJMER, RAJASTHAN -301018, INDIA

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AND ENGINEERING TOLERANCES.

TITLE
GENERAL ARRANGEMENT DRAWING

PRODUCT
33KV 1250A 31.5KA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT
PCTL AUTOMATION LIMITED

CONSULTANT

CUSTOMER
CORRUGATED SHEETS LIMITED

PROJECT
MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
CHD. G.M. RAI

APPD.

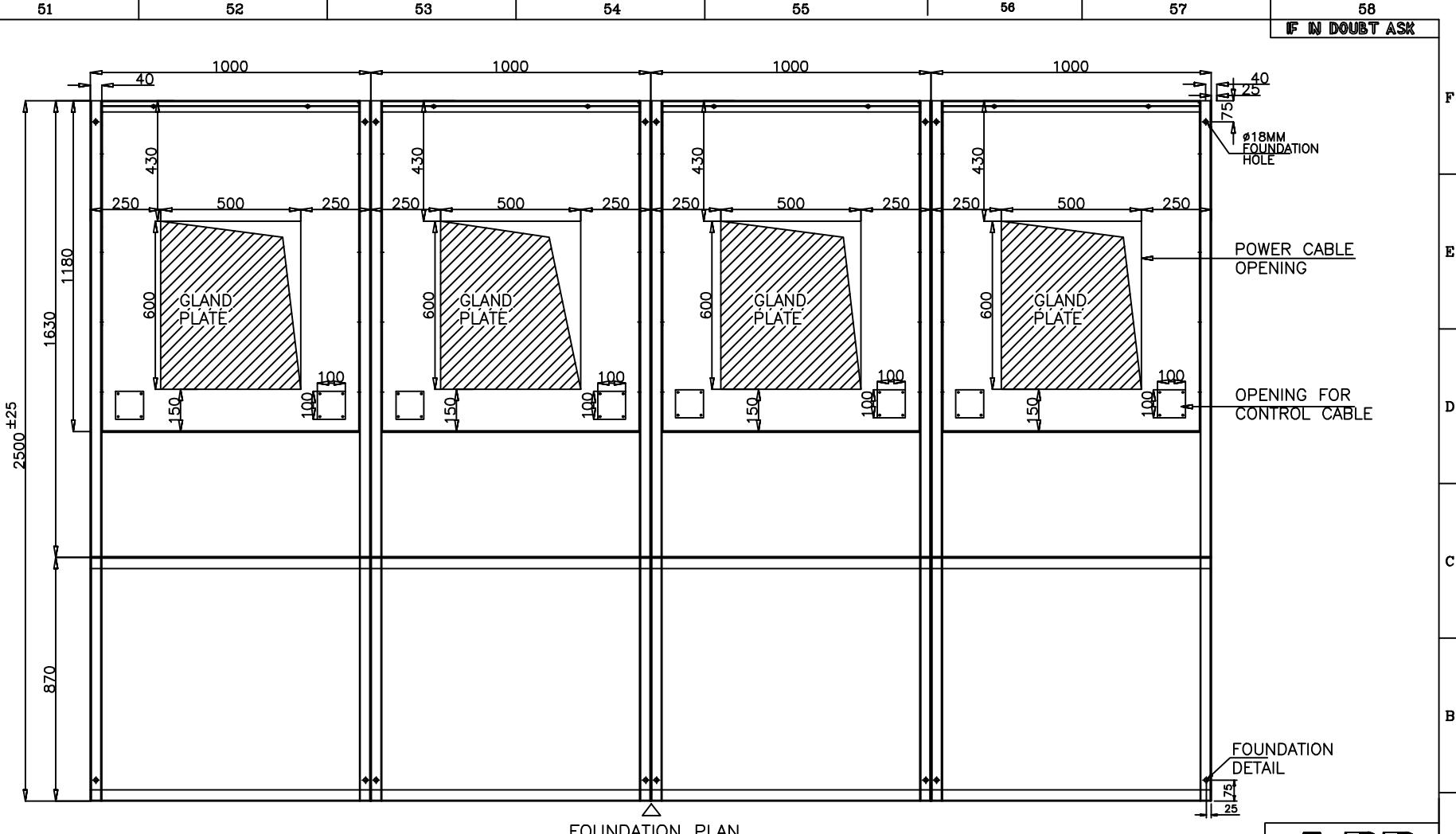
DATE 19.11.2020

DRG. NO.

PB533/201



QTY. 1NOS.



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BHENDI, DIST. ALVAR, RAJASTHAN-301016, INDIA
UNIT-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II
BHENDI, DIST. ALVAR, RAJASTHAN-301016, INDIA

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NOTES: DRAWING CHART AS PER
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TITLE
GENERAL ARRANGEMENT DRAWING

PRODUCT
33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT
PCTL AUTOMATION LIMITED

CONSULTANT

CUSTOMER
CORRUGATED SHEETS LIMITED

PROJECT
MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
CHD. G.M. RAI

APPD. -----

DATE 19.11.2020

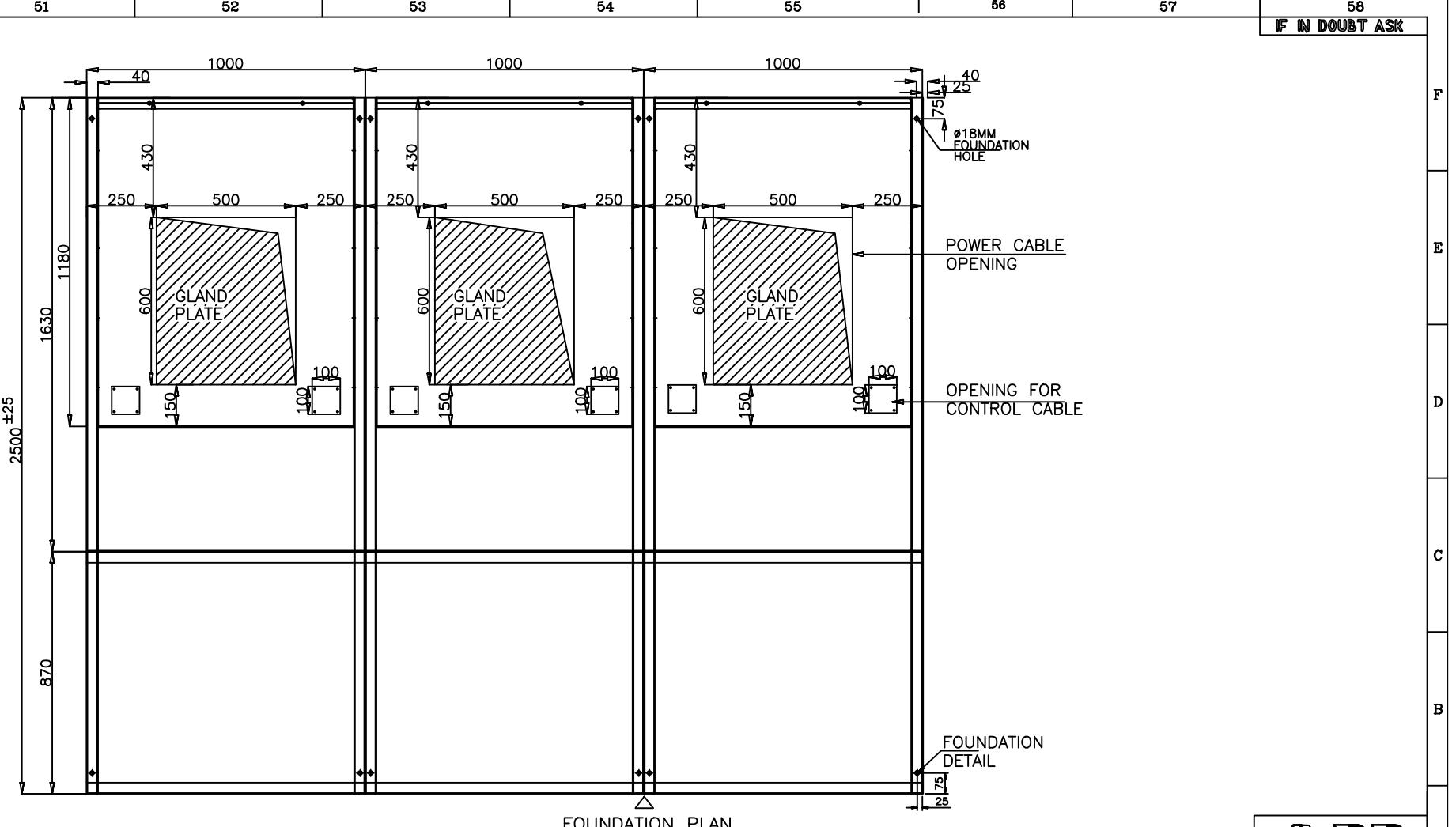
DRG. NO. -----

PB533/201



SYSTEM HOUSE

QTY. 1NOS.

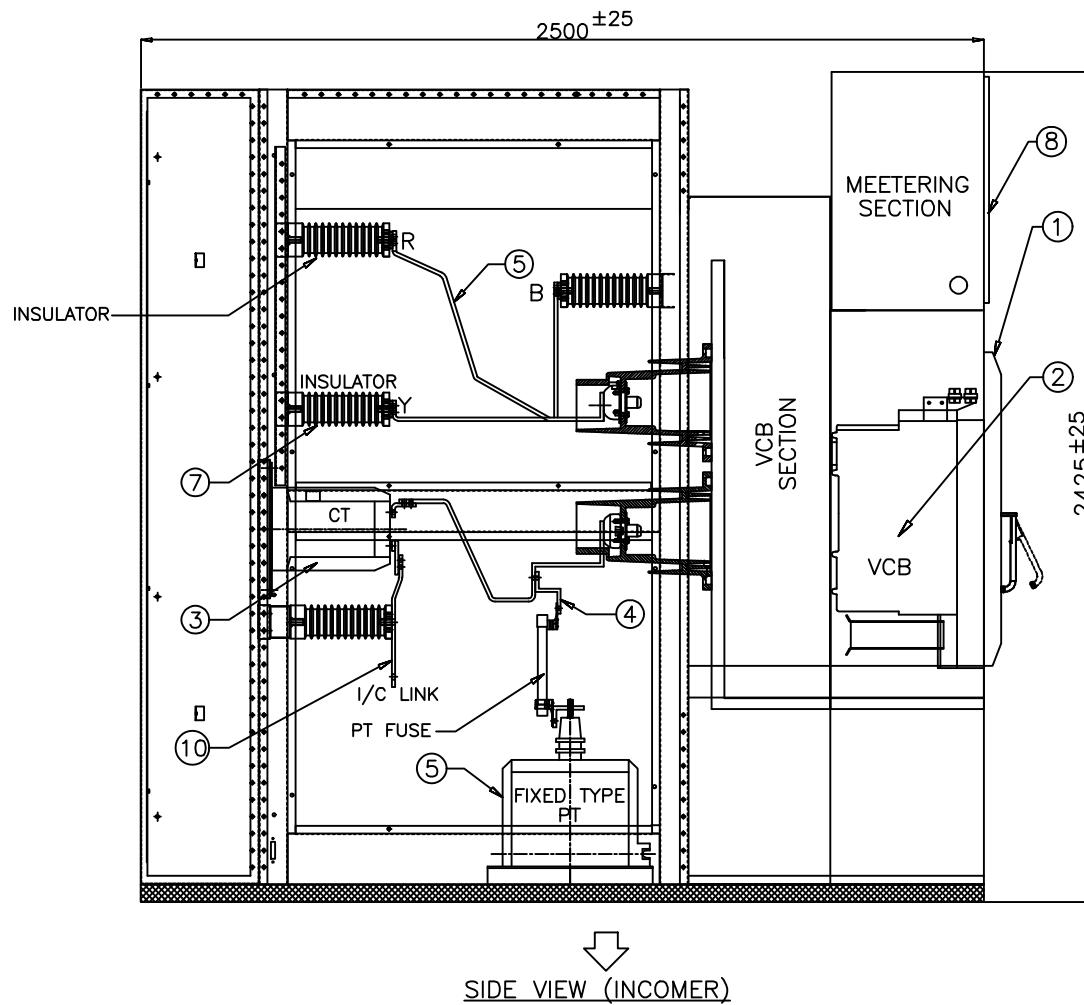


FOUNDATION PLAN

IF IN DOUBT ASK

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51 52 53 54 55 56 57 58
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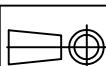


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UNIT-1- G-1068-50, HICCO INDUSTRIAL AREA, PHASE-II
BHAWANI, DIST. ALWAR, RAJASTHAN -301018, INDIA
UNIT-2- A-783(A) HICCO INDUSTRIAL AREA, PHASE-II
BHAWANI, DIST. ALWAR, RAJASTHAN -301018, INDIA

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TITLE
GENERAL ARRANGEMENT DRAWING

PRODUCT
33KV 1250A 31.5kA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT
PCTL AUTOMATION LIMITED

CONSULTANT

CUSTOMER
CORRUGATED SHEETS LIMITED

PROJECT
MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
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DATE 19.11.2020

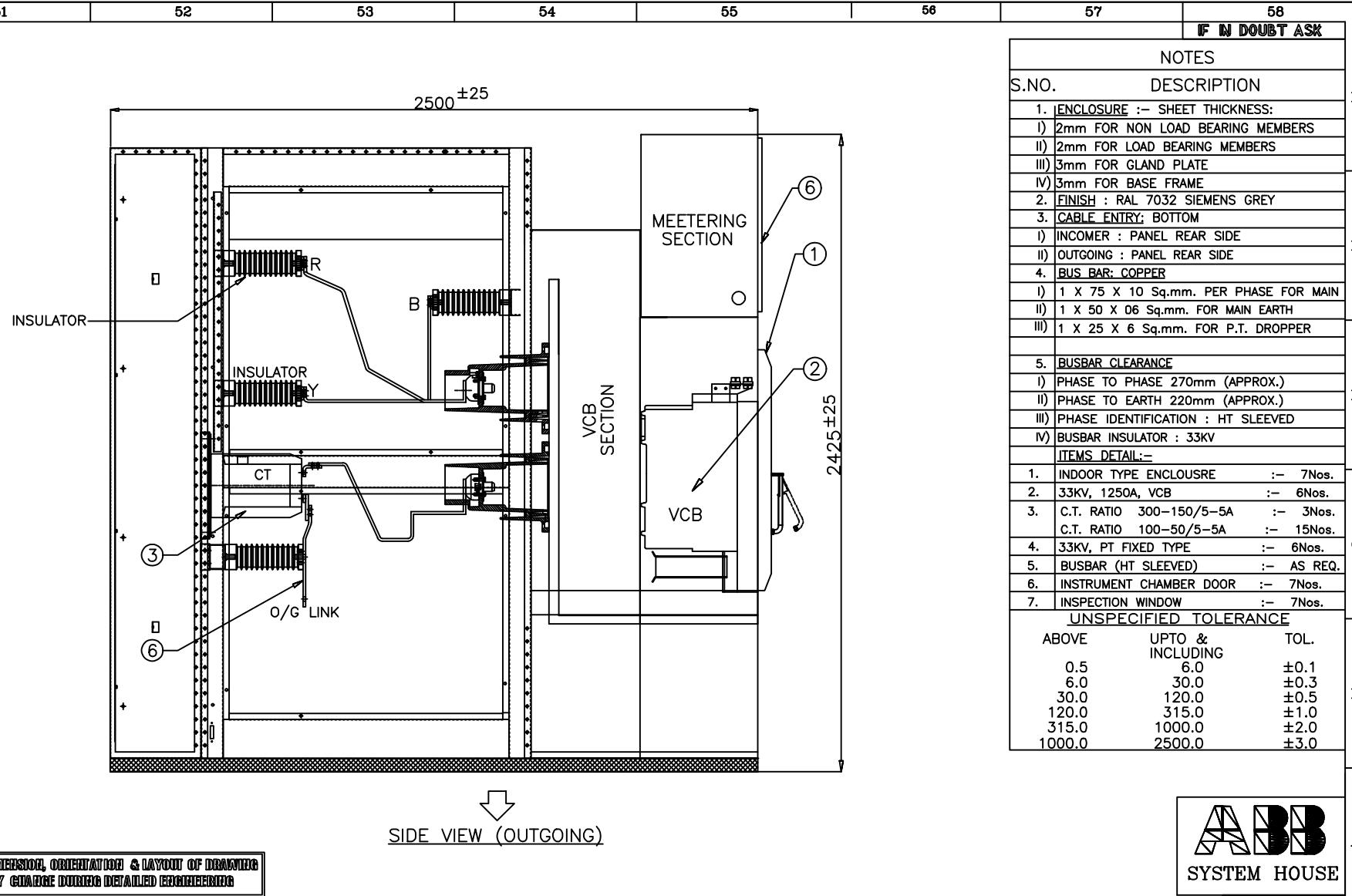
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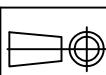
SYSTEM HOUSE

QTY. 1NOS.



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BHOPAL, DIST. ALWAR, RAJASTHAN -301018, INDIA
UNIT-2- A-783(A) HESCO INDUSTRIAL AREA, PHASE-II
BHOPAL, DIST. ALWAR, RAJASTHAN -301018, INDIA

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PRODUCT
CLIENT
CONSULTANT
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PROJECT

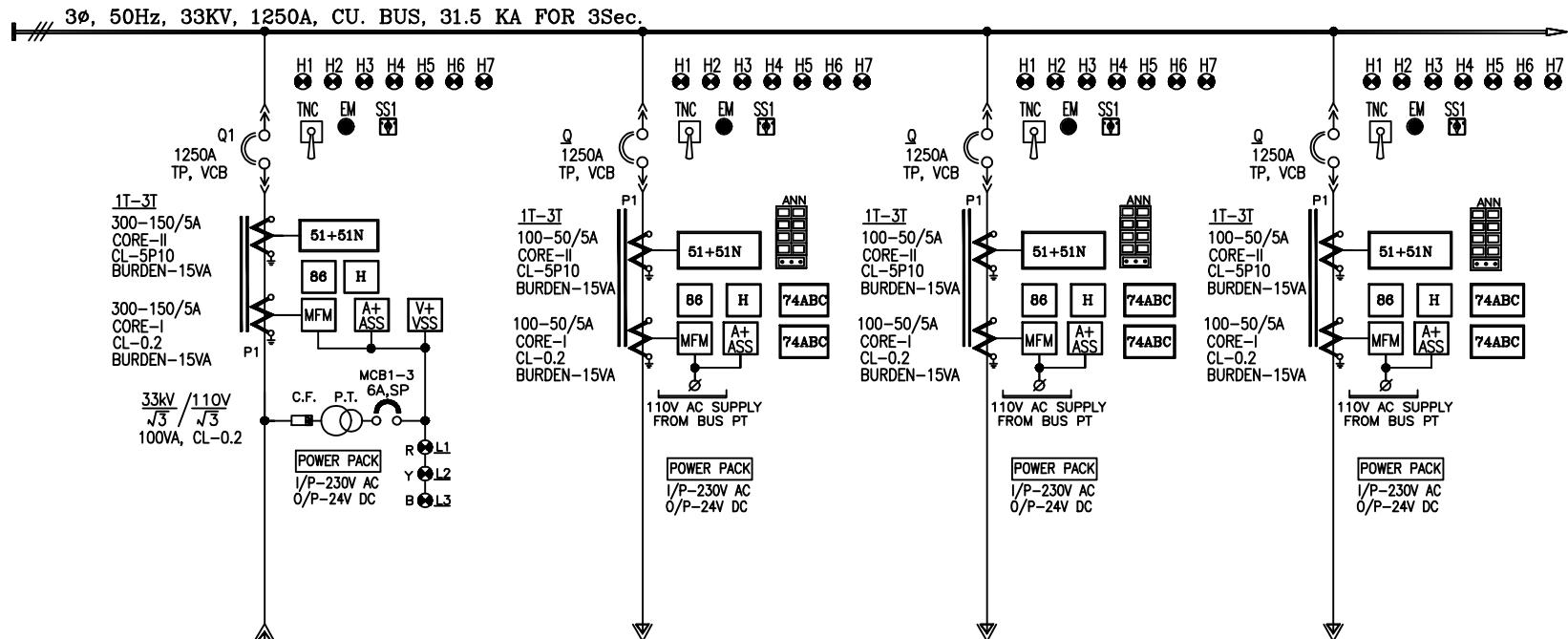
6
NO. OF SHEET

GENERAL ARRANGEMENT DRAWING
33KV 1250A 31.5KA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)
PCTL AUTOMATION LIMITED

CORRUGATED SHEETS LIMITED
MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
CHD. G.M. RAI
APPD.
DATE 19.11.2020
DRG. NO.
PB533/201

51 52 53 54 55 56 57 58
IF IN DOUBT ASK



FEEDER No.	1A, 1B & 1C	2A, 2B & 2C	3A, 3B & 3C	4A, 4B & 4C
FEEDER RATING	1250A	1250A	1250A	1250A
FEEDER DESCRIPTION	INCOMER	OUTGOING-1	OUTGOING-2	OUTGOING-3
CABLE SIZE IN mm ²	--	--	--	--
SCH.DRW. MODULE	--	--	--	--



JOB NO. L-1619(10211)

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BHOPAL, D.N.R. ALVAR, RAJASTHAN-301014, INDIA
UNIT-2- A-783(A) BHOIGI INDUSTRIAL AREA, PHASE-II
BHOPAL, D.N.R. ALVAR, RAJASTHAN-301014, INDIA



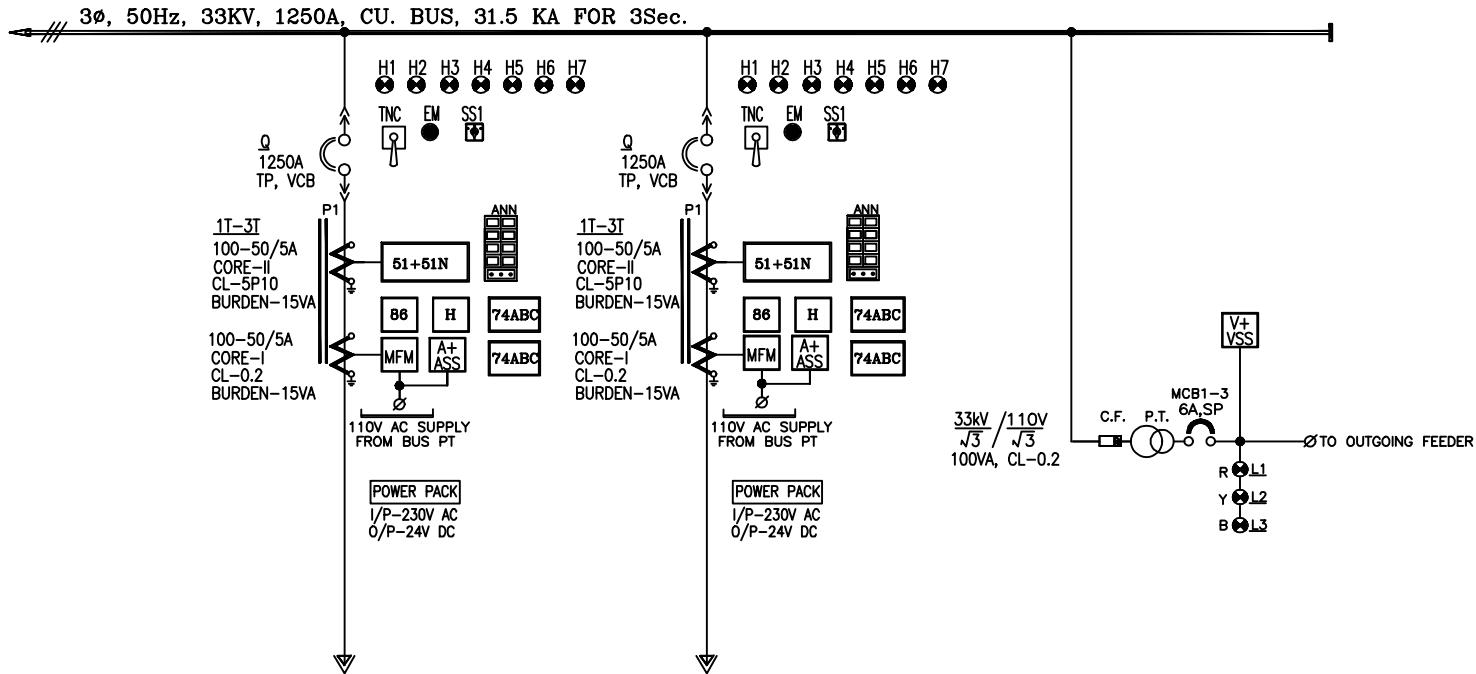
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TITLE	SINGLE LINE DIAGRAM	DSGN.	R.A.
PRODUCT	33kV 1250A 31.5KA INDOOR TYPE VCB PANEL (1/C+50/G+1BUS PT VCB PANEL)	DRN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED	CHD.	G.M. RAI
CONSULTANT	-----	APPD.	-----
CUSTOMER	CORRUGATED SHEETS LIMITED	DATE	19.11.2020
PROJECT	MOMBASA KENYA	DRG. NO.	PB533/301

NO. OF SHEET 1

NO. OF SHEET 2

51 52 53 54 55 56 57 58
IF IN DOUBT ASK

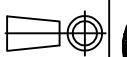


FEEDER NO.	5A, 5B & 5C	6A, 6B & 6C	7A, 7B & 7C
FEEDER RATING	1250A	1250A	1250A
FEEDER DESCRIPTION	OUTGOING-4	OUTGOING-5	BUS PT FEEDER
CABLE SIZE IN mm ²	--	--	--
SCH.DRW. MODULE	--	--	--

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BHURADI, DIST. ALVAR, RAJASTHAN-301014, INDIA

UNIT-2- A-783(A) BIIICO INDUSTRIAL AREA, PHASE-II

BHURADI, DIST. ALVAR, RAJASTHAN-301014, INDIA



ASiATIC
SYSTEM HOUSE

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SHEET NO. 2
NO. OF SHEET 2

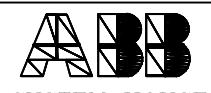
TITLE SINGLE LINE DIAGRAM
PRODUCT 33KV 1250A 31.5KA INDOOR TYPE VCB PANEL
(1I/C+50/G+1BUS PT VCB PANEL)

CLIENT PCTL AUTOMATION LIMITED

CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA



QTY. 1NOS.

DSGN. R.A.

DRN. R.A.

CHD. G.M. RAI

APPD.

DATE 19.11.2020

DRG. NO.

PB533/301

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61	62	63	64	65	66	67	68
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F IN DOUBT ASK

BILL OF MATERIAL

S.No.	LEGENDS	DESCRIPTION	MAKE	TYPE	RATING	QTY.			
		VACUUM CIRCUIT BREAKER				VC	O/G	BUS PT	TOTAL
1	VCB	33KV 1250A VACCUM CIRCUIT BREAKER DRAW OUT TYPE HAVING FOLLOWING ACCESSORIES. 220V AC SPRING CHARGING MOTOR 24V DC CLOSING COIL 24V DC SHUNT TRIP COIL AUX. CONTACT: 6NO+6NC OPERATING COUNTER MECHANICAL ON/OFF PUSH BUTTONS MECHANICAL INDICATORS FOR ON/OFF, SPRING CHARGED/DISCHARGED MANUAL SPRING CHARGING DEVICE.	ABB	V-D4	1250A, TP,31.5kA-3SEC.	01	05	-	06
PROTECTION RELAYS & ACCESSORIES									
2	51+51N	3 O/C +1 EARTH/FAULT NUMERICAL RELAY	ASHIDA	ADR141C	24V DC, CTR/5A	01	05	-	06
3	86	MASTER TRIP RELAY	ASHIDA	AVAJH13	24V DC	01	05	-	06
4	74ABC	AUX. RELAY 3 ELEMENT FOR TRF. PROTECTION	ASHIDA	AVA33	24V DC	-	10	-	10
5	AP,SC	PLA RELAY WITH BASE FOR ANTI PUMPING	ABB	--	24V DC , 2C/0	02	10	-	12
INSTRUMENT TRANSFORMERS									
6	C.T.	DUAL CORE, DUAL RATIO CURRENT TRANSFORMER 33KV RESIN CAST TYPE	SAVIO	WPL, RESIN CAST	RATIO: 300-150/5-5A CORE-1:15VA CL-0.2 CORE-2:15VA CL-5P10	03	-	-	03
					RATIO: 100-50/5-5A CORE-1:15VA CL-0.2 CORE-2:15VA CL-5P10	-	15	-	15
7	P.T.	POTENTIAL TRANSFORMER INDOOR SINGLE PHASE RESIN CAST, FIXED TYPE	SAVIO	RESIN CAST	RATIO:33KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ 100VA, CL -0.2	03	-	03	06

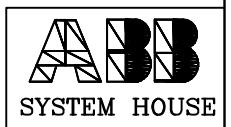


JOB NO. L-1619(10211)

QTY. 1NOS.

5	Supplied By					TITLE	BILL OF MATERIAL		DSGN.	R.A.
4	PCTL AUTOMATION LIMITED					PRODUCT	33KV 1250A 31.5kA INDOOR TYPE VCB PANEL (1/C+50/G+1BUS PT VCB PANEL)		DRN.	R.A.
3	P.O.Box-683-00606,NAIROBI,KENYA Tel =254-20-828648/828070					CLIENT	PCTL AUTOMATION LIMITED		CHD.	G.M. RAI
2	Wireless +254-20-2026354/2012143 Mobile +254-0732861234/0734339564					CONSULTANT	-----		APPD.	
1	E-Mail info@pctlautomation.com web-www.pctlautomation.com		DATE	CHD.	SCALE	CUSTOMER	CORRUGATED SHEETS LIMITED		DATE	19.11.2020
NO.	TECHNICAL NOTES	REVISION	N.T.S.		ASIANIC	PROJECT	MOMBASA KENYA		DRG. NO.	PB533/401
					ASIANIC	ALL DIMENSIONS ARE IN M.M. AND CHARTS ARE DRAWN PER MANUFACTURING REQUIREMENT AND ENGINEERING TOLERANCES.	SHEET NO.	1		
							NO. OF SHEET	3		

	61	62	63	64	65	66	67	68		
								IF IN DOUBT ASK		
F	S.No.	LEGENDS	DESCRIPTION	MAKE	TYPE	RATING	QTY.			
E							I/C	O/G		
D							BUS PT	TOTAL		
C										
B										
A										
			FUSE							
	8	H.F.	33KV,3.15A P.T. FUSE LINKS	PHOENIX		3.15A,33KV	03	-	03	06
			METERS							
	9	V+VSS	DIGITAL VOLTMETER WITH VSS FLUSH TYPE, 96 Sq.mm	SECURE	FLAIR V300	PTR 33kV/110V AC,CL-0.5	01	-	01	02
		A+ASS	DIGITAL AMMETER WITH ASS FLUSH TYPE, 96 Sq.mm		FLAIR I300	CTR: /5A, CL-0.5, 110V AC	01	05	-	06
		MFM	DIGITAL MULTIFUNCTION METER FLUSH TYPE, 96 Sq.mm		ELITE 442	CTR: /5A, CL-0.5, 110V AC	01	05	-	06
			INDICATING LIGHTS							
	10	L1	RED	ESBEE- L&T	LED	63.5V AC	01	-	01	02
		L2	YELLOW				01	-	01	02
		L3	BLUE				01	-	01	02
		H1,H5,H7	RED				03	15	-	18
		H2,H6	GREEN		24V DC	02	10	-	12	
		H3	AMBER				01	05	-	06
		H4	BLUE				01	05	-	06
			CONTROL MCB							
	11	MCB	MINIATURE CIRCUIT BREAKER	ABB	SP, 10KA	6A	09	30	03	42
					DP, 10KA	6A	02	15	-	17



JOB NO. L-1619(10211)

QTY. 1NOS.

5	Supplied By								DSGN. R.A.
4									DRN. R.A.
3	PCTL AUTOMATION LIMITED								CHD. G.M. RAI
2	P.O.BOX-683 00600, NAIROBI, KENYA Tel =254-20-828648/828070 Wireless 254-20-2025354/2012143 Mobile +254 0722816124/0724339204							APPD.	
1	ECN NOT REVISION							DATE	19.11.2020
NO.	E-mail: info@pctlautomation.com web - www.pctlautomation.com	DATE	CHD.	SCALE	N.T.S.	ALL DIMENSIONS ARE IN M.M AND REQUIREMENT CHANGE AS PER MANUFACTURING REQUIREMENT AND ENGINEERING TOLERANCES.	SHEET NO. 2 NO. OF SHEET 3	PROJECT	DRG. NO. PB533/401



ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
UNIT-1- G-1058-SQ, RICO INDUSTRIAL AREA, PHASE-II
BHIMANI, DIST. ALWAR, RAJASTHAN -301014, INDIA
UNIT-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II
BHIMANI, DIST. ALWAR, RAJASTHAN -301014, INDIA



ALL DIMENSIONS ARE IN M.M AND
REQUIREMENT CHANGE AS PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

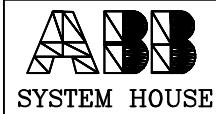
61 62 63 64 65 66 67 68

IF IN DOUBT ASK

BILL OF MATERIAL

S.No.	LEGENDS	DESCRIPTION	MAKE	TYPE	RATING	QTY.			
						I/C	O/G	BUS PT	TOTAL
MISCELLANOUS									
12	PP	POWER PACK 220/24V DC, 7AH	MAHAMAI	----	24V DC	01	05	-	06
13	ANN	ANNUNCIATOR WITH INBUILT PUSH BUTTON	ADITYA	8 WINDOW	24V DC	-	05	-	05
13	H	HOOTER, 96SQ.MM.	ADITYA	----	24V DC	01	05	-	06
14	SH	SPACE HEATER	HOTWELL	STRIPS	100WATT, 230V AC	01	05	-	06
15	TH	THERMOSTAT	ELCON	1 C/0	30-110DEG. 230V AC	01	05	-	06
16	SSW	SINGLE PHASE THREE PIN PLUG & SOCKET	ANCHOR	3PIN	15A, 240V AC	01	05	-	06
17	DS	DOOR LIMIT SWITCH FOR CUBICAL LAMP	KAYCEE	----	230V AC	01	05	-	06
18	NL	NEUTRAL LINK	FTC	----	32A	03	10	-	13
19	EM	EMERGENCY PUSH BUTTON	ESBEE	----	1NO+1NC	01	05	-	06
20	SS1	SELECTOR SWITCH	KAYCEE	2P 2W WITH OFF	6A	01	05	-	06
21	LED	LED BULB FOR PANEL ILLUMINATION	SYSPA	5W	240V AC	01	05	-	06
22	-	HOLDER FOR PANEL ILLUMINATION	ANCHOR	-	--	01	05	-	06
23	TS	TOGGLE SWITCH FOR HEATER	FTC	---	10A	01	05	-	06
24	TNC	BREAKER CONTROL SWITCH	KAYCEE	TNC	25A 1NO+NC	01	05	-	06
25	CTL	CT TERMINAL 6MM	CONNECTWEL	----	----	20	100	-	120
26	--	STOPPER AND END PLATE FOR CT TERMINAL	CONNECTWEL	----	----	04	20	-	24

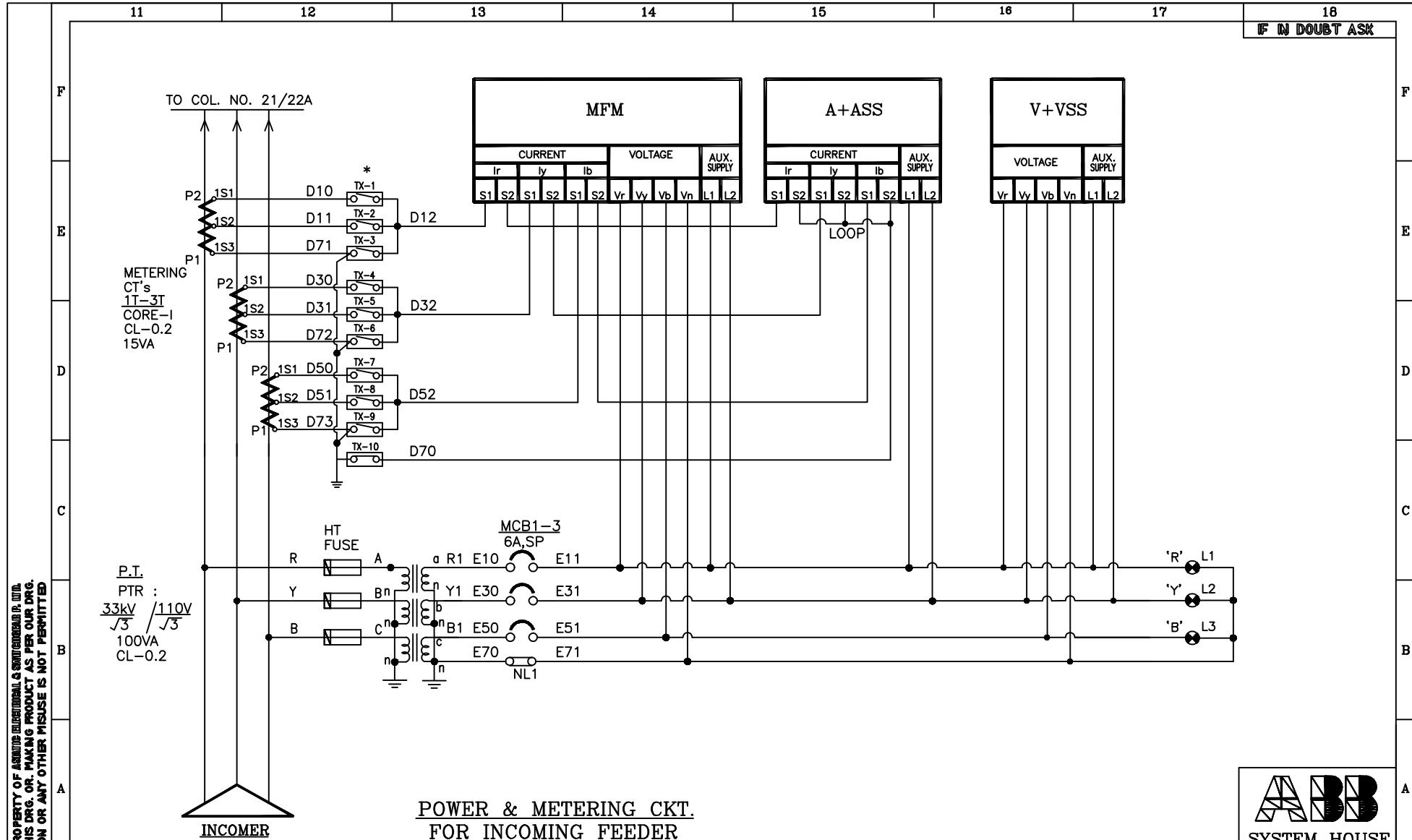
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UNAUTHORISED USE OF THIS DRG OR MAKING PRODUCT AS PER OUR DRG,
WITHOUT OUR PERMISSION OR ANY OTHER MEASURE IS NOT PERMITTED



JOB NO. I-1619(10211)

QTY. 1NOS.

5	Supplied By									DSGN. R.A.
4										DRN. R.A.
3	PCTL AUTOMATION LIMITED									CHD. G.M. RAI
2	P.O.BOX - 633 - 00606, NAIROBI, KENYA Tel = 254 - 20 - 828648 / 828070 Wireless +254 - 20 - 2025354 / 2012193 Mobile +254 - 0722816124 / 0734339584									APPD.
1	E-Mail: info@pctlautomation.com web: www.pctlautomation.com	DATE	CHD.	SCALE	ASIATIC	ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.	TITLE	BILL OF MATERIAL		DATE 19.11.2020
NO.	ECN/REV/NOS			N.T.S.	UNIT-1- BHIKARI, DIST. ALWAR, RAJASTHAN-301019, INDIA	PRODUCT	33kV 1250A 31.5kA INDOOR TYPE VCB PANEL (1/C+50/G+1BUS PT VCB PANEL)			
					UNIT-2- BHIKARI, DIST. ALWAR, RAJASTHAN-301019, INDIA	CLIENT	PCTL AUTOMATION LIMITED			
						CONSULTANT	-----			
						CUSTOMER	CORRUGATED SHEETS LIMITED			
						PROJECT	MOMBASA KENYA			
					ALL DIMENSIONS ARE IN MM AND MANUFACTURING REQUIREMENT AND ENGINEERING TOLERANCES.	NO. OF SHEET	3			DRG. NO. PB533/401



ASIATIC
ELECTRICAL &
SWITCHGEAR
PVT. LTD.

SYSTEM
HOUSE

ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
UNIT-1- G-1068-54, RICO INDUSTRIAL AREA, PHASE-II
BHAWADI, DIST. ALWAR, RAJASTHAN-301010, INDIA

UNIT-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II
BHAWADI, DIST. ALWAR, RAJASTHAN-301010, INDIA



SCALE
N.T.S.

ALL DIMENSIONS ARE IN M.M. AND
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

SHEET NO.
1

NO. OF SHEET
15

TITLE SCHEMATIC DIAGRAM

PRODUCT 33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(1/C+50/G+1BUS PT VCB PANEL)

CLIENT PCTL AUTOMATION LIMITED

CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
CHD. G.M. RAI

APPD. -----

DATE 19.11.2020

DRG. NO.

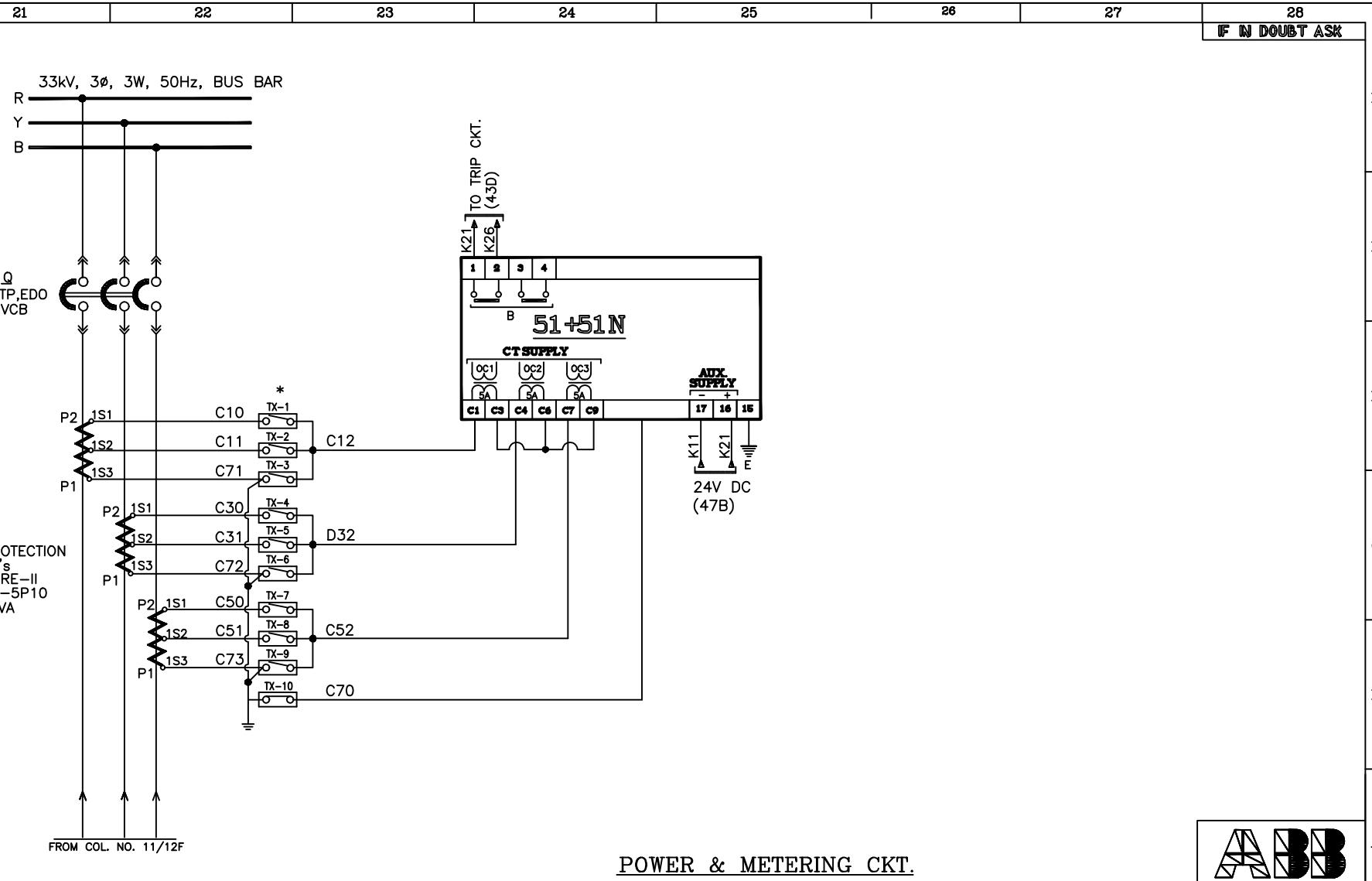
PB533/501



SYSTEM HOUSE

F IN DOUBT ASK

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JOB NO. L-1619(10211)



Supplied By
PCTL AUTOMATION LIMITED
P.O.BOX -683-00606, NAIROBI,KENYA
Tel =254-20-828648 /828070
Wireless +254-20-2025354/2012193
Mobile +254-0722816124/0734339504
E.Mail info@pctlautomation.com
web -www.pctlautomation.com



ASIATIC
SYSTEM HOUSE

POWER & METERING CKT.
FOR INCOMING FEEDER

ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
UNIT-1- G-1058-EQ, RIDCO INDUSTRIAL AREA, PINASI-II
BHUBAN, DIST. ALWAR, RAJASTHAN -301010, INDIA
UNIT-2- A-783(A) RIDCO INDUSTRIAL AREA, PINASI-II
BHUBAN, DIST. ALWAR, RAJASTHAN -301010, INDIA

TITLE

SCHEMATIC DIAGRAM

PRODUCT

33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT

PCTL AUTOMATION LIMITED

CONSULTANT

CUSTOMER

CORRUGATED SHEETS LIMITED

PROJECT

MOMBASA KENYA



DSGN.	R.A.
DRN.	R.A.
CHD.	G.M. RAI
APPD.	
DATE	19.11.2020
DRG. NO.	PB533/501

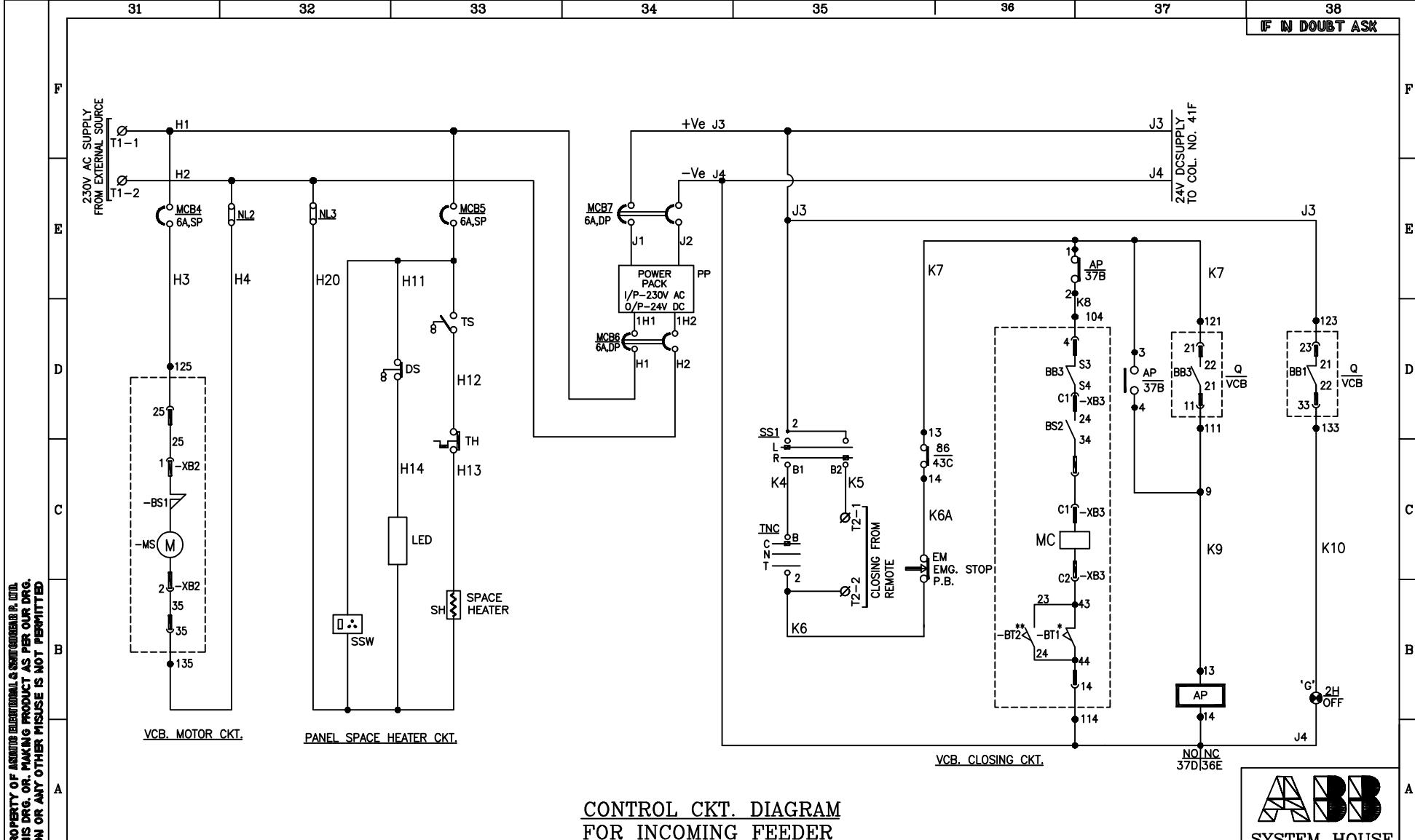
SHEET NO.

15

NO. OF SHEET

15

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WITHOUT OUR PERMISSION OR ANY OTHER MISUSE IS NOT PERMITTED



CONTROL CKT. DIAGRAM
FOR INCOMING FEEDER

JOB NO. L-1619(10211)

Supplied By



PCTL AUTOMATION LIMITED
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E.Mail info@pctlautomation.com
web- www.pctlautomation.com



SCALE
N.T.S.



SYSTEM HOUSE

ASATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
UNIT-1- G-1088-50, RICO INDUSTRIAL AREA, PHASE-II
DHARAN, DIST. AJMER, RAJASTHAN -301018, INDIA
UNIT-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II
DHARAN, DIST. AJMER, RAJASTHAN -301018, INDIA

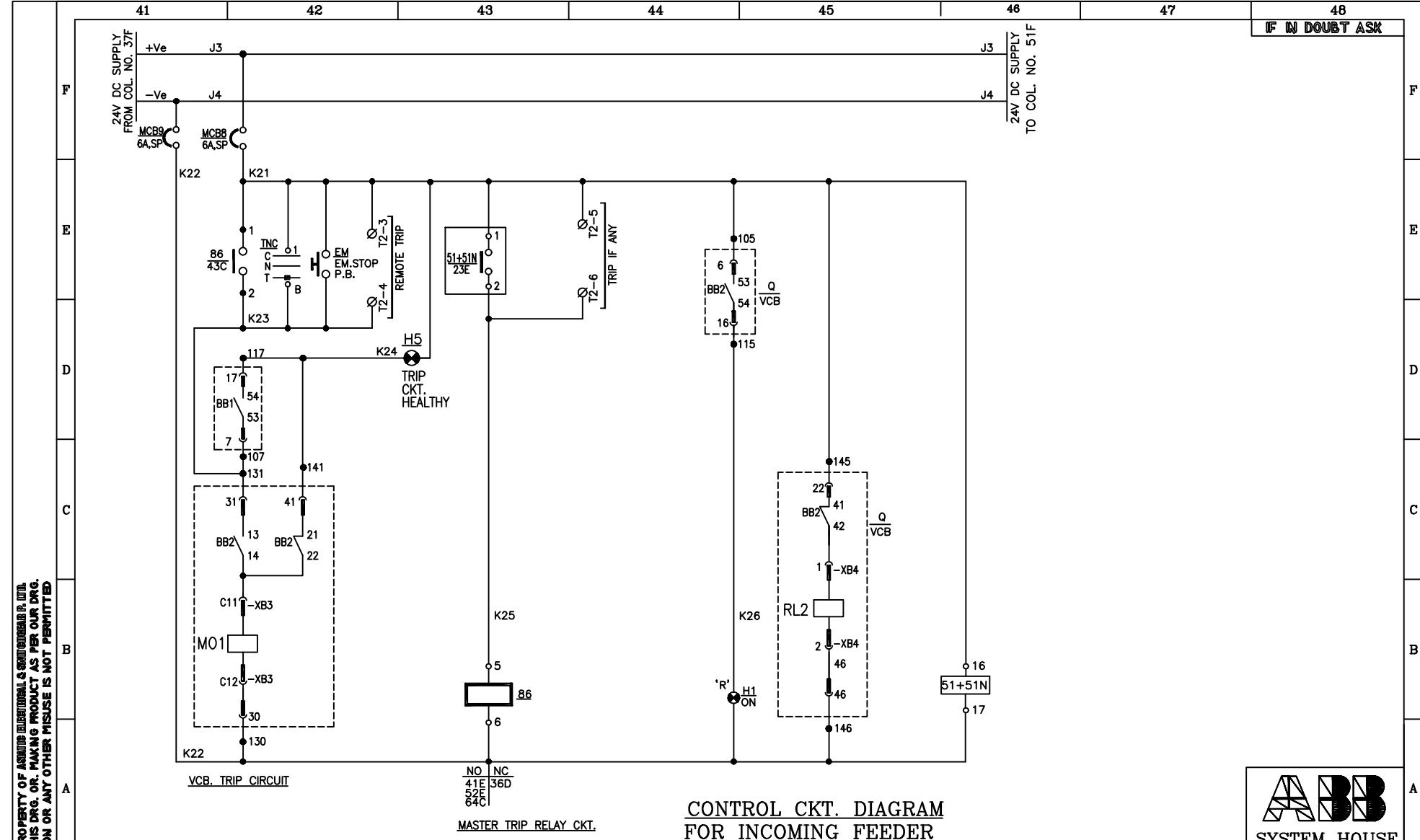
ALL DIMENSIONS ARE IN MM AND
NOTES FOR MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE
SCHEMATIC DIAGRAM

PRODUCT	33KV 1250A 31.5KA INDOOR TYPE VCB PANEL (11/C+50/G+1BUS PT VCB PANEL)	DSGN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED	DRN.	R.A.
CONSULTANT	-----	CHD.	G.M. RAI
CUSTOMER	CORRUGATED SHEETS LIMITED	APPD.	-----
PROJECT	MOMBASA KENYA	DATE	19.11.2020
		DRG. NO.	PB533/501



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CONTROL CKT. DIAGRAM
FOR INCOMING FEEDER

JOB NO. L-1619(10211)



Supplied By

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E.Mail info@pctlautomation.com
web -www.pctlautomation.com



N.T.S.



ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
C-1053-C4, RICO INDUSTRIAL AREA, PHASE-III
BHURANI, DIST. ALWAR, RAJASTHAN-301010, INDIA

UNIT-1- A-783(A) RICO INDUSTRIAL AREA, PHASE-II
BHURANI, DIST. ALWAR, RAJASTHAN-301010, INDIA



ALL DIMENSIONS ARE IN M.M. AND
REQUESTED CHANGES AS PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE SCHEMATIC DIAGRAM

PRODUCT 33KV 1250A 31.5kA INDOOR TYPE VCB PANEL
(1/C+50/G+1BUS PT VCB PANEL)

CLIENT PCTL AUTOMATION LIMITED

CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA

DSGN. R.A.

DRN. R.A.

CHD. G.M. RAI

APPD.

DATE 19.11.2020

DRG. NO.

PB533/501



SYSTEM HOUSE

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SYSTEM HOUSE

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SYSTEM HOUSE

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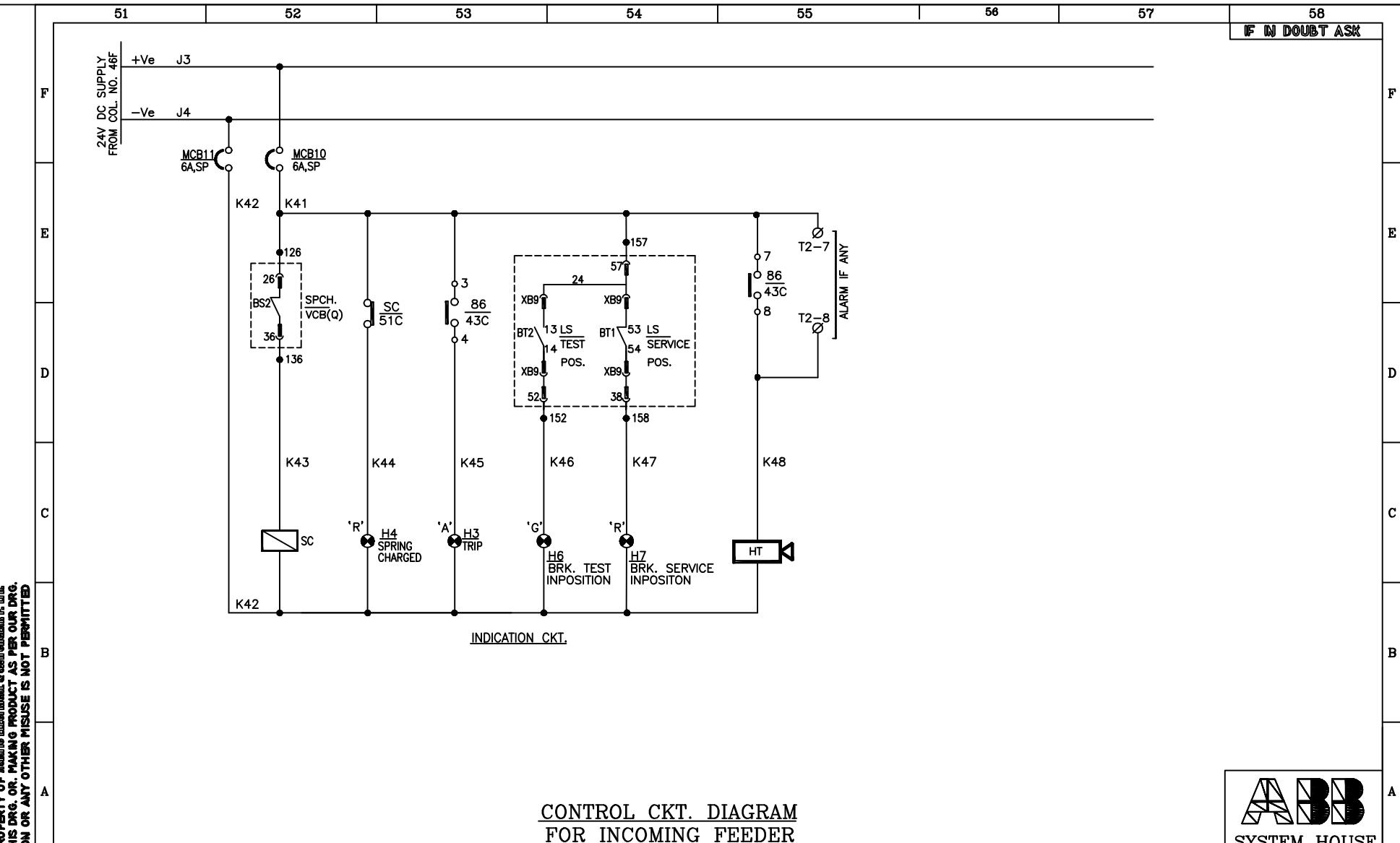
SYSTEM HOUSE

ASB

SYSTEM HOUSE

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WITHOUT OUR PERMISSION OR ANY OTHER MEASURE IS NOT PERMITTED

JOB NO. I-1619(10211)
 Supplied By
PCTL AUTOMATION LIMITED
 P.O BOX - 683 - 00606, NAIROBI, KENYA
 Tel = 254 - 20 - 828648 / 828070
 Wireless +254 - 20 - 2025354 / 2012193
 Mobile +254 - 0722816124 / 0734339504
 E Mail: info@pctlautomation.com
 web - www.pctlautomation.com



CONTROL CKT. DIAGRAM
FOR INCOMING FEEDER



ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
 UNIT-1- G-1068-50, HIGH INDUSTRIAL AREA, PHASE-II
 BHANDI, DSI, ALWAR, RAJASTHAN -301014, INDIA
 UNIT-2- A-783(A) HIGH INDUSTRIAL AREA, PHASE-II
 BHANDI, DSI, ALWAR, RAJASTHAN -301014, INDIA

SYSTEM HOUSE

SCALE
N.T.S.

ALL DIMENSIONS ARE IN M.M. AND
NOT DRAWN TO SCALE AS PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

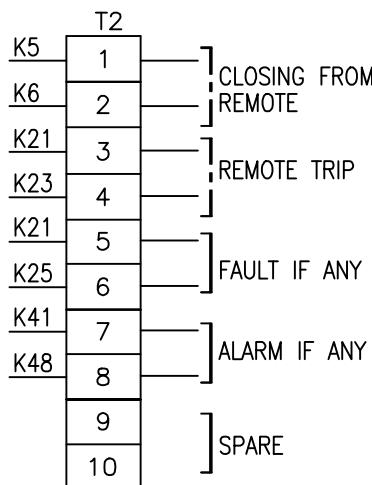
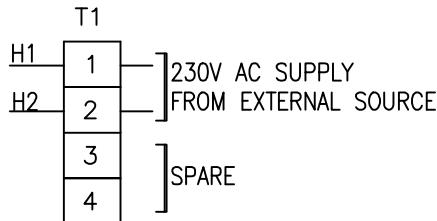
SHEET NO. 5
NO. OF SHEET 15

TITLE	SCHEMATIC DIAGRAM	DSGN. R.A.
PRODUCT	33KV 1250A 31.5KA INDOOR TYPE VCB PANEL (11/C+50/G+1BUS PT VCB PANEL)	DRN. R.A. CHD. G.M. RAI
CLIENT	PCTL AUTOMATION LIMITED	APPD.
CONSULTANT	-----	DATE 19.11.2020
CUSTOMER	CORRUGATED SHEETS LIMITED	DRG. NO.
PROJECT	MOMBASA KENYA	PB533/501

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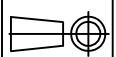
JOB NO. L-1619(10211)

TERMINAL DETAIL
FOR INCOMING FEEDER



Supplied By

PCTL AUTOMATION LIMITED
P.O.BOX -683 -00606, NAIROBI, KENYA
Tel =254-20-828648/828070
Wireless +254-20-2025354/2012193
Mobile +254-0722816124/0734339504
E.Mail info@pctlautomation.com
web-www.pctlautomation.com



SCALE
N.T.S.



ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
UNIT-1- C-1063-54, MICO INDUSTRIAL AREA, PHASE-II
BHIMADI, DIST. AURANGABAD, MAHARASHTRA-410104, INDIA

UNIT-2- A-733(A) MICO INDUSTRIAL AREA, PHASE-II
BHIMADI, DIST. AURANGABAD, MAHARASHTRA-410104, INDIA



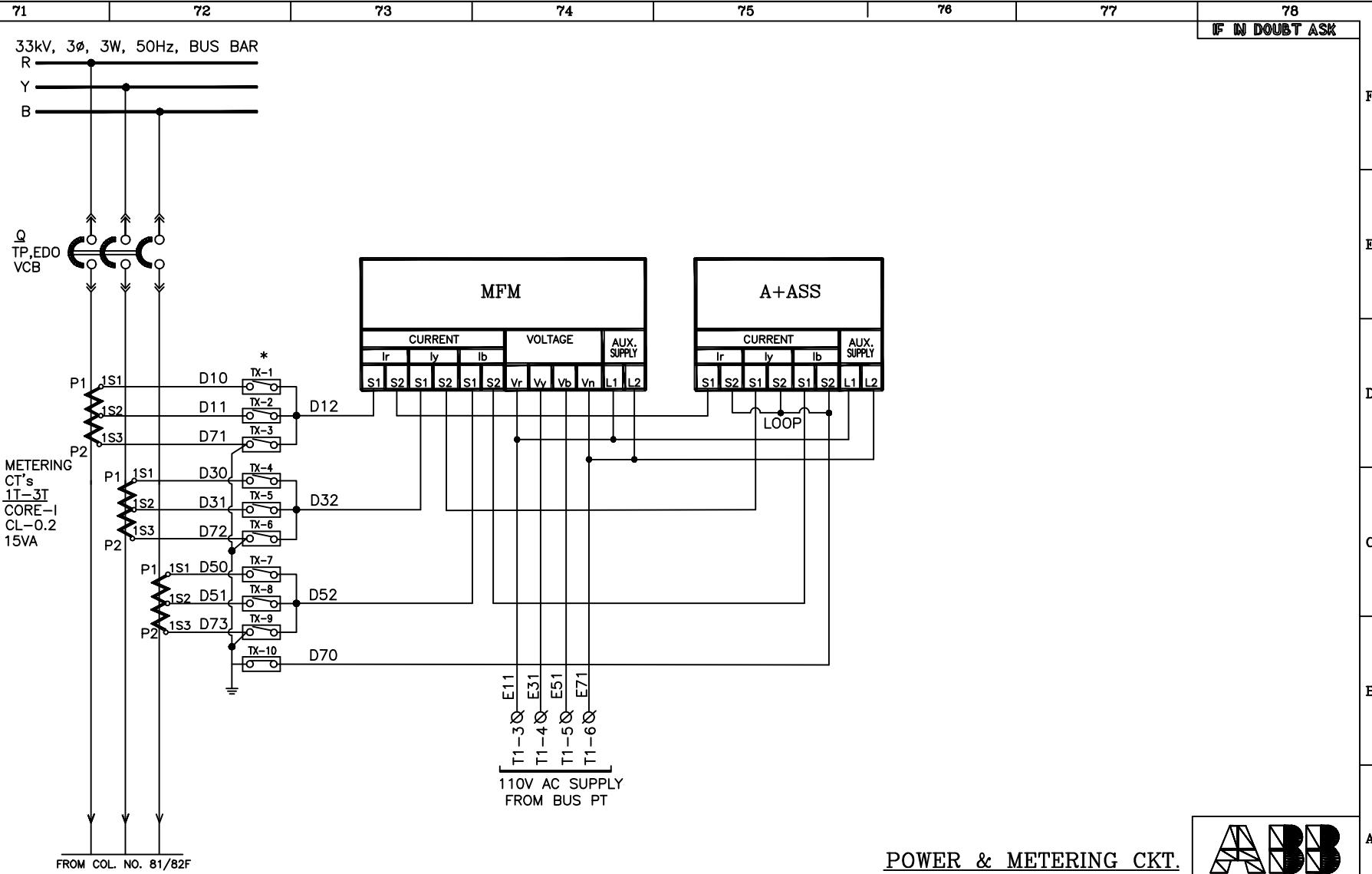
ALL DIMENSIONS ARE IN M.M. AND
DO NOT INCLUDE CLEARANCE FOR
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE	SCHEMATIC DIAGRAM	DSGN.	R.A.
PRODUCT	33KV 1250A 31.5KA INDOOR TYPE VCB PANEL (1I/C+50/G+1BUS PT VCB PANEL)	DRN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED	CHD.	G.M. RAI
CONSULTANT	-----	APPD.	-----
CUSTOMER	CORRUGATED SHEETS LIMITED	DATE	19.11.2020
PROJECT	MOMBASA KENYA	DRG. NO.	-----
		PB533/501	



SYSTEM HOUSE

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**POWER & METERING CKT.
FOR OUTGOING FEEDER**



JOB NO. L-1619(10211)

Supplied By

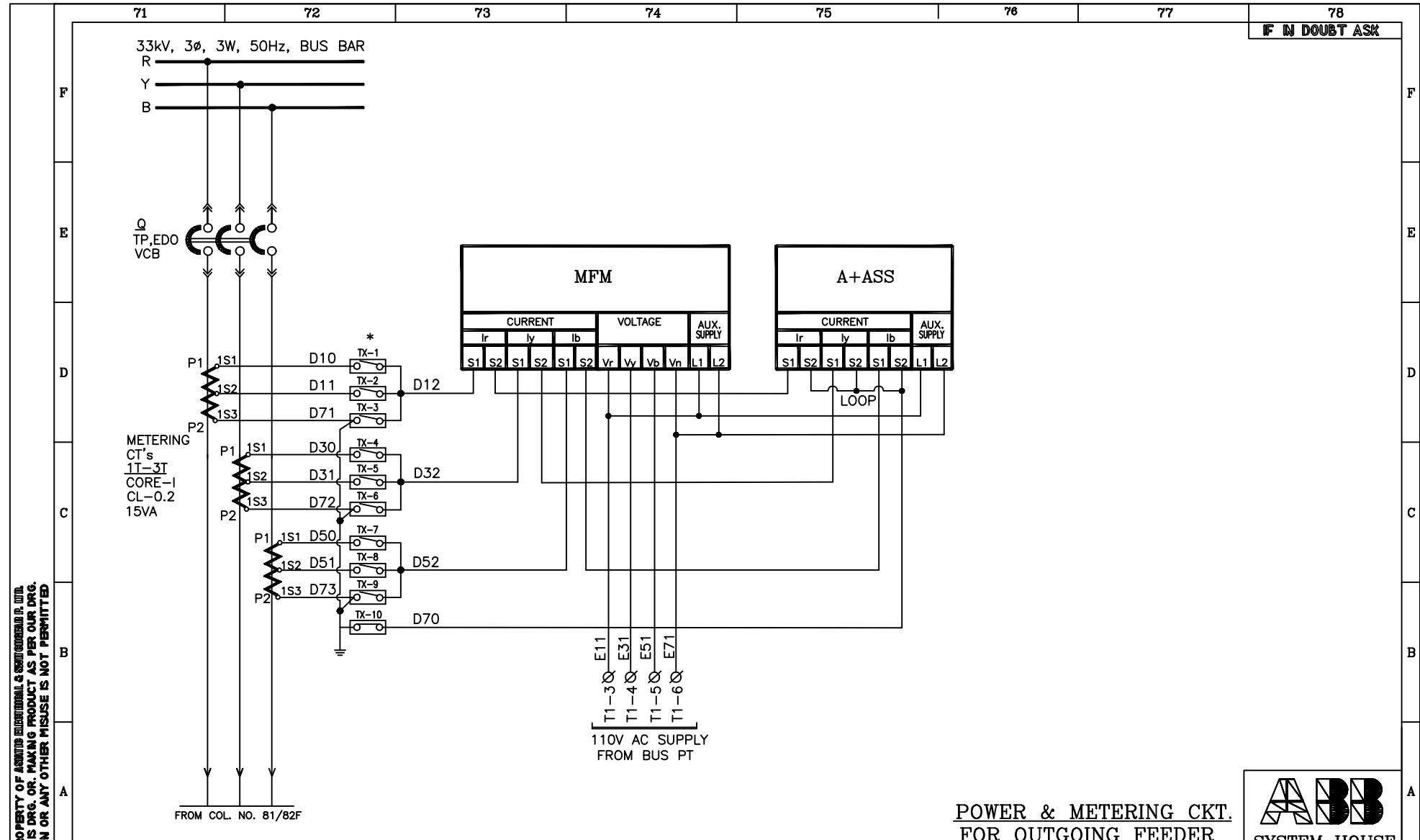


ASIATIC ELECTRICAL & SWITCHGEAR PVT. LTD.
C-1058-54, HICO INDUSTRIAL AREA, PHASE-III
BHURADI, DIST. ALEXAR, RAJASTHAN-301018, INDIA
UNIT-1
A-783(A) HICO INDUSTRIAL AREA, PHASE-II
BHURADI, DIST. ALEXAR, RAJASTHAN-301018, INDIA
UNIT-2

ALL DIMENSIONS ARE IN M.M. AND PER MANUFACTURING REQUIREMENT AND ENGINEERING TOLERANCES.
SHEET NO. 7
NO. OF SHEET 15

TITLE	SCHEMATIC DIAGRAM	DSGN.	R.A.
PRODUCT	33kV 1250A 31.5kA INDOOR TYPE VCB PANEL (1I/C+50/G+1BUS PT VCB PANEL)	DRN.	R.A.
CLIENT	PCTL AUTOMATION LIMITED	CHD.	G.M. RAI
CONSULTANT	-----	APPD.	-----
CUSTOMER	CORRUGATED SHEETS LIMITED	DATE	19.11.2020
PROJECT	MOMBASA KENYA	DRG. NO.	PB533/501

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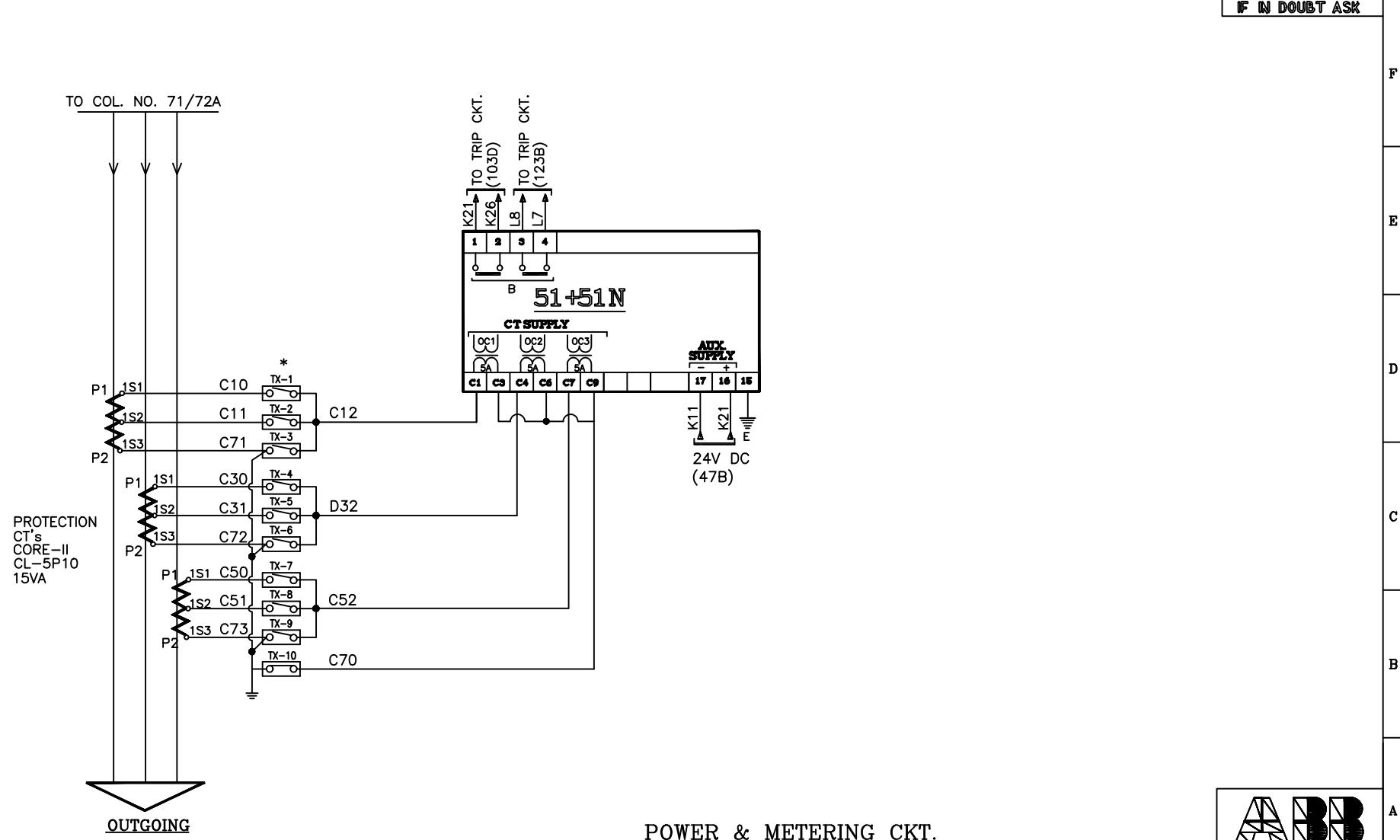


POWER & METERING CKT.
FOR OUTGOING FEEDER



JOB NO. I-1619(10211)				PCTL AUTOMATION LTD.		ASIACTIC SYSTEM HOUSE			
Supplied By			SCALE N.T.S.	ASATIC ELECTRICAL & SWITCHGEAR PVT. LTD.		SYSTEM HOUSE			
PCTL AUTOMATION LIMITED P.O. BOX - 683 - 00606, NAIROBI, KENYA Tel : 254-20-828648/828070 Wireless : +254-20-2025354/2012193 Mobile : +254-0722816124/0734339504 E. Mail : info@pctlautomation.com web : www.pctlautomation.com				ASATIC UNIT-1- C-1038-59, MICO INDUSTRIAL AREA, PHASE-III BHIMAD, DIST. ALWAR, RAJASTHAN-301010, INDIA UNIT-2- A-7834/A MICO INDUSTRIAL AREA, PHASE-II BHIMAD, DIST. ALWAR, RAJASTHAN-301010, INDIA					
TITLE	SCHEMATIC DIAGRAM				DSGN.	R.A.			
PRODUCT	33KVA 1250A 31.5KA INDOOR TYPE VCB PANEL (11/C-50/G+1BUSA PT VCB PANEL)				DRN.	R.A.			
CLIENT	PCTL AUTOMATION LIMITED				CHD.	G.M. RAI			
CONSULTANT	-----				APPD.				
CUSTOMER	CORRUGATED SHEETS LIMITED				DATE	19.11.2020			
PROJECT	MOMBASA KENYA				DRG. NO.				
						PB533/501			

81 82 83 84 85 86 87 88 F IN DOUBT ASK



JOB NO. L-1619(10211)



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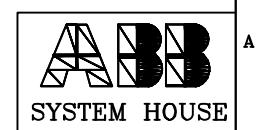


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UNIT-1- G-1068-54, MICO INDUSTRIAL AREA, PHASE-II
BHARATI, DIST. ALWAR, RAJASTHAN -301010, INDIA
UNIT-2- A-763(A) MICO INDUSTRIAL AREA, PHASE-II
BHARATI, DIST. ALWAR, RAJASTHAN -301010, INDIA

SCALE
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ASB
SYSTEM HOUSE

**POWER & METERING CKT.
FOR OUTGOING FEEDER**



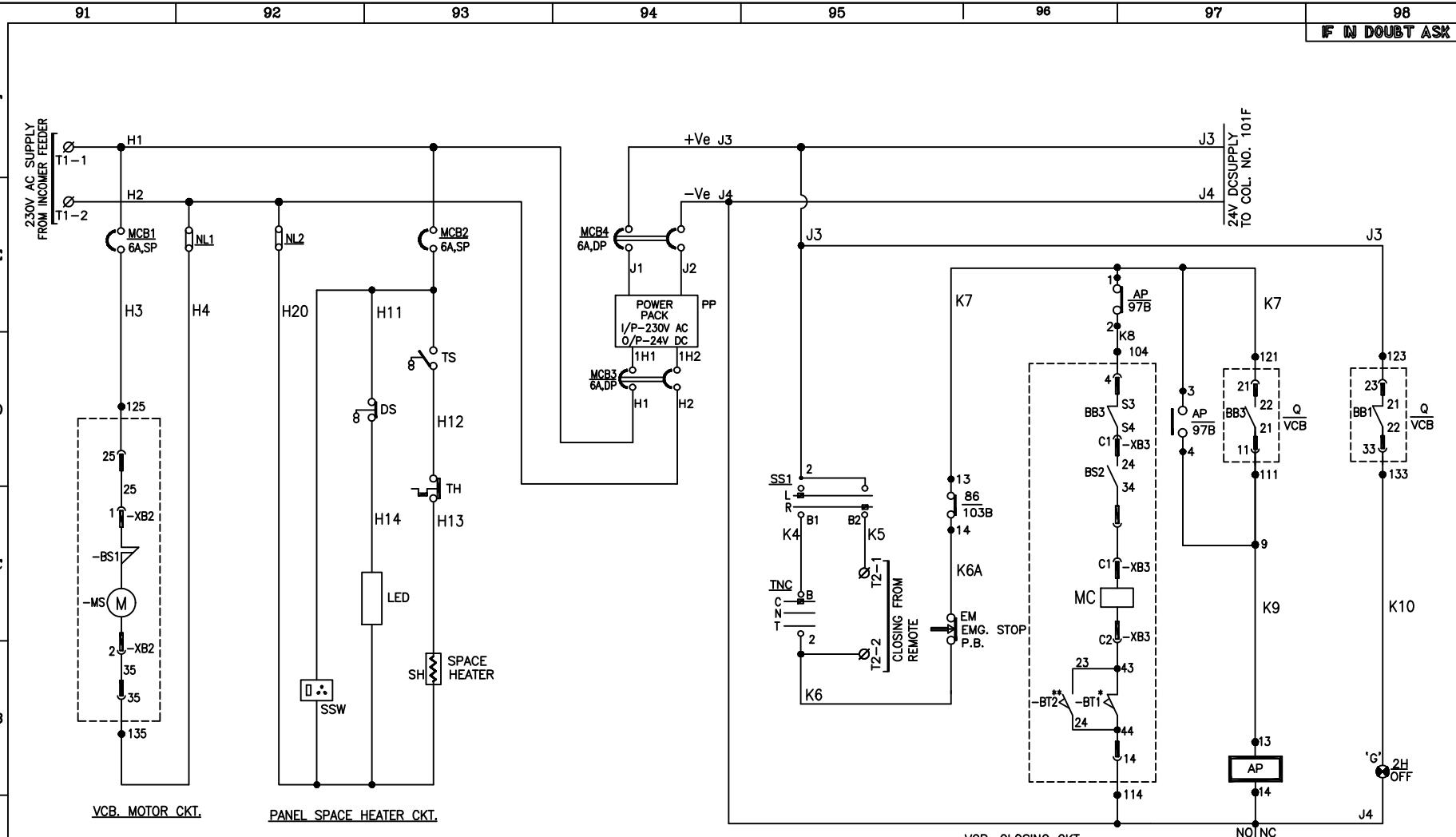
TITLE	SCHEMATIC DIAGRAM	DSGN. R.A.
PRODUCT	33kV 1250A 31.5kA INDOOR TYPE VCB PANEL (1I/C+50/G+1BUS PT VCB PANEL)	DRN. R.A. CHD. G.M. RAI
CLIENT	PCTL AUTOMATION LIMITED	APPD.
CONSULTANT	-----	DATE 19.11.2020
CUSTOMER	CORRUGATED SHEETS LIMITED	DRG. NO.
PROJECT	MOMBASA KENYA	PB533/501

ALL DIMENSIONS ARE IN M.M. AND
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

SHEET NO. 8

NO. OF SHEET 15

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JOB NO. L-1619(10211)



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UNIT-1- G-1058-59, BHDG INDUSTRIAL AREA, PHASE-II
BHADRI, DIST. ALWAR, RAJASTHAN-301018, INDIA
UNIT-2- A-783(A) BHDG INDUSTRIAL AREA, PHASE-II
BHADRI, DIST. ALWAR, RAJASTHAN-301018, INDIA



ALL DIMENSIONS ARE IN M.M. AND
NOTES: FOR MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE SCHEMATIC DIAGRAM

PRODUCT 33KV 1250A 31.5kA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT PCTL AUTOMATION LIMITED

CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
CHD. G.M. RAI

APPD.

DATE 19.11.2020

DRG. NO.

PB533/501

NO. ECN NO. REVISION DATE CHD. N.T.S.

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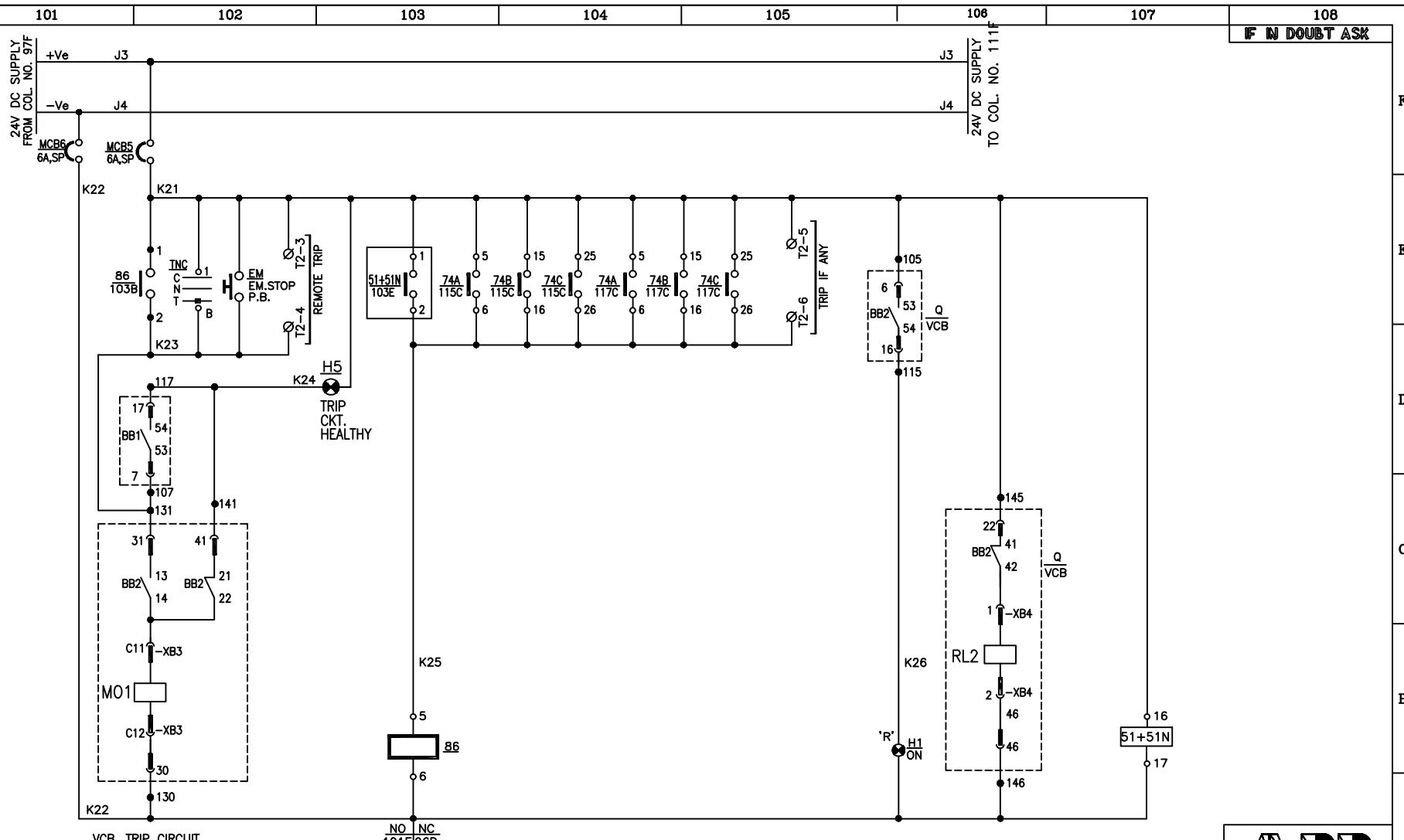


SYSTEM HOUSE

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CONTROL CKT. DIAGRAM
FOR OUTGOING FEEDER

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CONTROL CKT. DIAGRAM
FOR OUTGOING FEEDER

JOB NO. L-1619(10211)

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SYSTEM HOUSE

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BHAWAII, DIST. ALWAR, RAJASTHAN-301012, INDIA
UNIT-2- A-763(A) RICO INDUSTRIAL AREA, PHASE-II
BHAWAII, DIST. ALWAR, RAJASTHAN-301012, INDIA

ALL DIMENSIONS ARE IN M.M. AND
NOTES FOR MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE
SCHEMATIC DIAGRAM

PRODUCT 33KV 1250A 31.5KA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT PCTL AUTOMATION LIMITED

CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA

DSGN. R.A.
DRN. R.A.
CHD. G.M. RAI

APPD. -----

DATE 19.11.2020

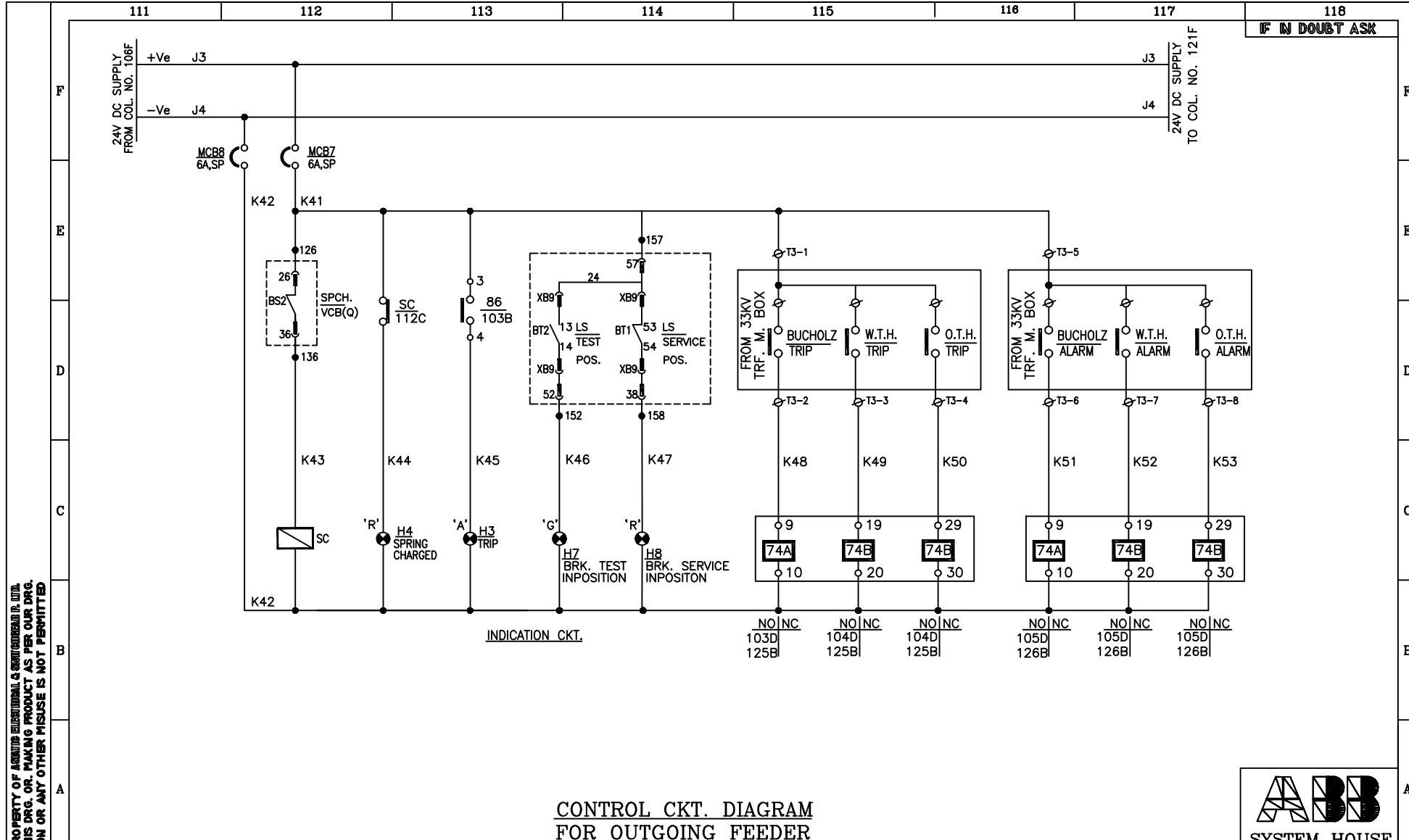
DRG. NO. -----

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CONTROL CKT. DIAGRAM
FOR OUTGOING FEEDER

JOB NO. L-1619(1021)

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BHUPALI, DIST. AJMER, RAJASTHAN-301010, INDIA
UHII-2- A-783(A) RIGO INDUSTRIAL AREA, PHASE-II
BHUPALI, DIST. AJMER, RAJASTHAN-301010, INDIA

TITLE

SCHEMATIC DIAGRAM
PRODUCT 33KV 1250A 31.5KA INDOOR TYPE VCB PANEL
(11/C+50/G+1BUS PT VCB PANEL)

CLIENT

PCTL AUTOMATION LIMITED

CONSULTANT

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT

MOMBASA KENYA



SYSTEM HOUSE

DSGN. R.A.

DRN. R.A.

CHD. G.M. RAI

APPD.

DATE 19.11.2020

DRG. NO.

PB533/501

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CHARTS ARE DRAWN PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

SHEET NO. 11

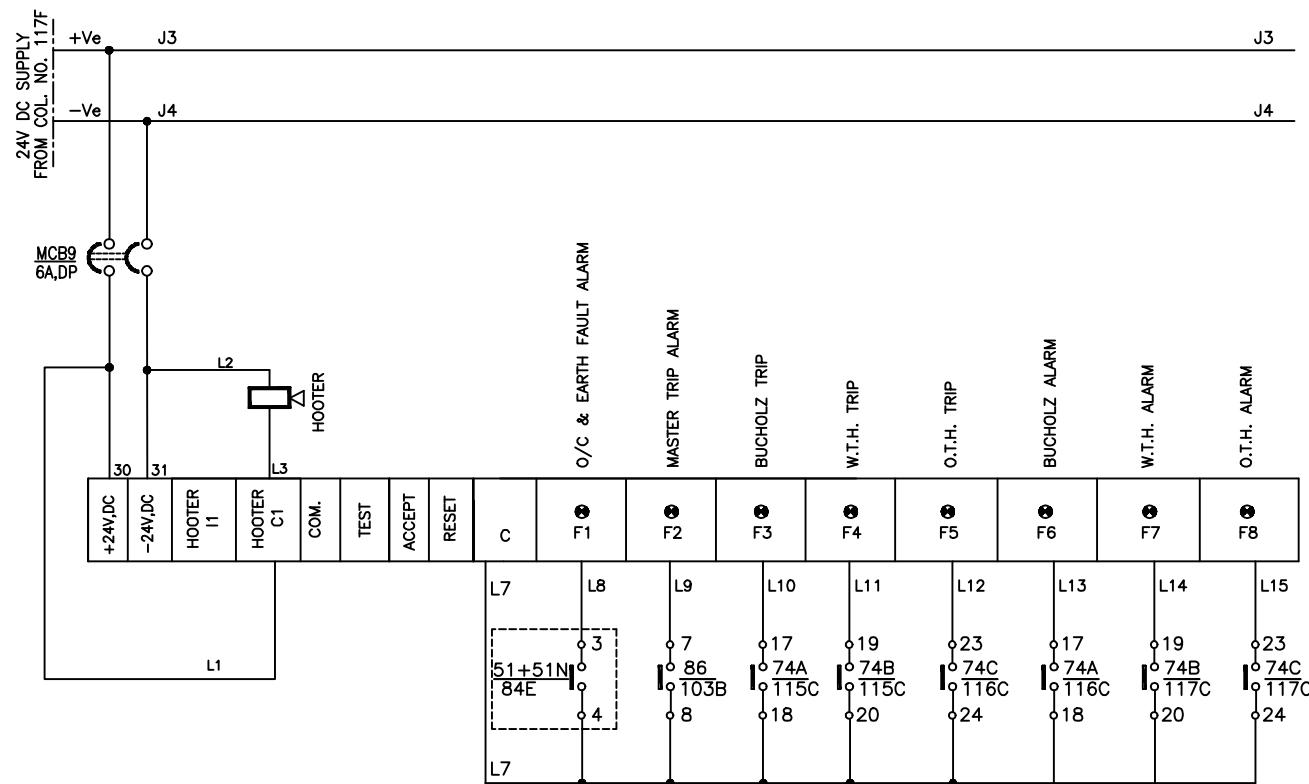
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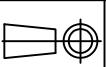


**CONTROL CKT. DIAGRAM
FOR OUTGOING FEEDER**

JOB NO. L-1619(10211)

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G-1058-E, RICO INDUSTRIAL AREA, PHASE-II

UHII-1- BHENDA, DIST. ALWAR, RAJASTHAN -301010, INDIA

UHII-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II

BHENDA, DIST. ALWAR, RAJASTHAN -301010, INDIA

TITLE SCHEMATIC DIAGRAM

PRODUCT 33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(1/C+50/G+1BUS PT VCB PANEL)

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CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA



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DSGN. R.A.

DRN. R.A.

CHD. G.M. RAI

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DATE 19.11.2020

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CHARTS ARE DRAWN PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

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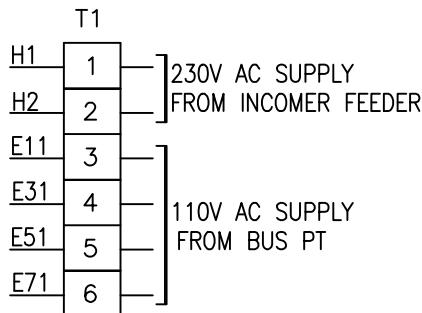
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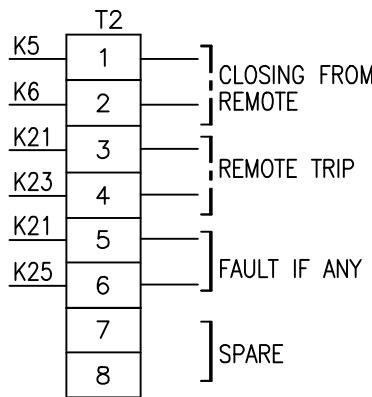
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JOB NO. L-1619(10211)

JUN 2019

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JUN 2019

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**TERMINAL DETAIL
FOR OUTGOING FEEDER**

ASiATIC ELECTRICAL & SWITcHGEAR pvt. LTD.



ALL DIMENSIONS ARE IN M.M. AND
MANUFACTURED ACCORDING AS PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

SHEET NO. 13
NO. OF SHEET 15

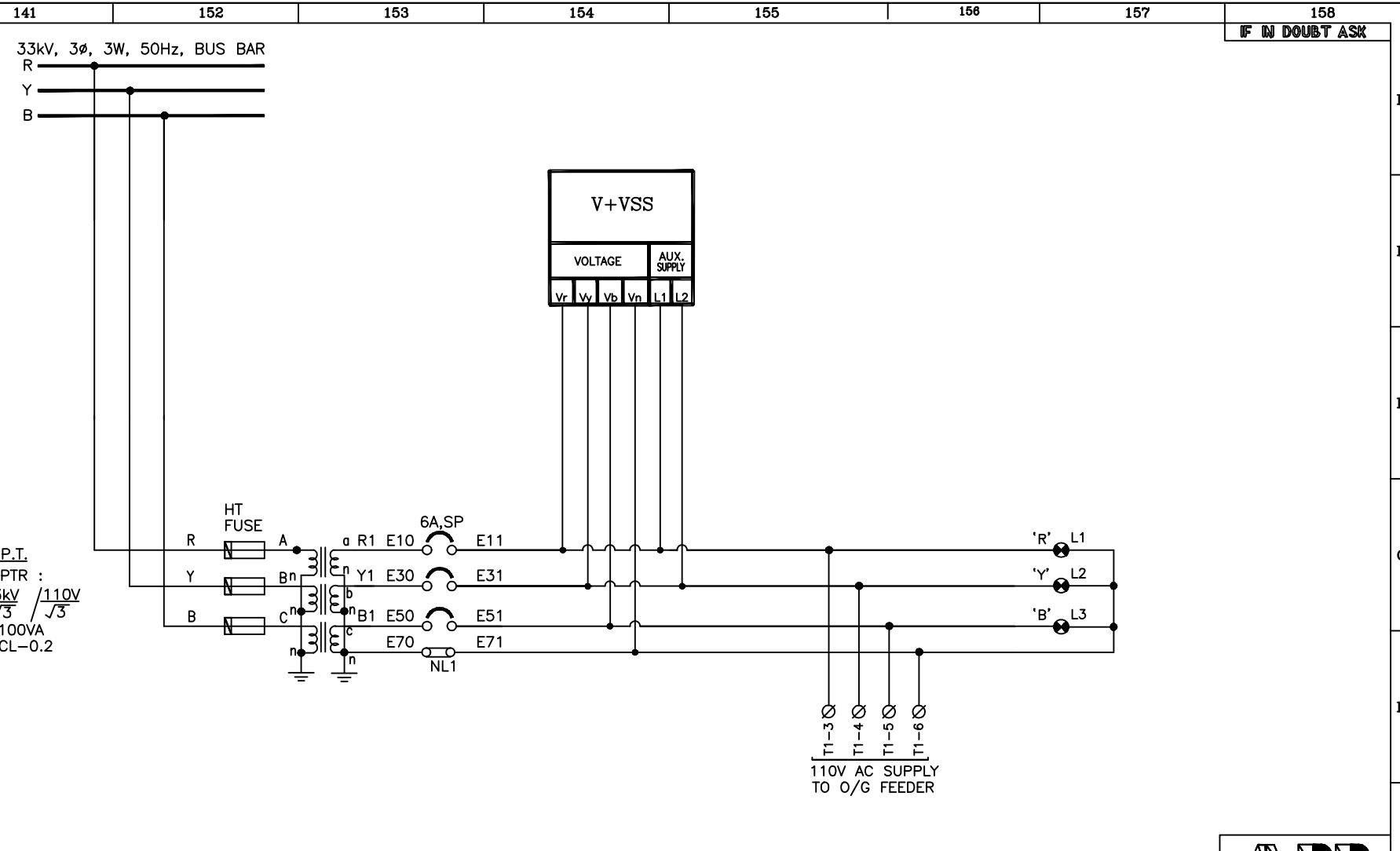
PROJECT MOMBASA KENYA

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SYSTEM HOUSE

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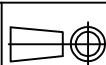
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POWER & METERING CKT.
FOR BUS PT FEEDER

JOB NO. L-1619(10211)

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BHAAADI, DOSI, AURAR, RAJASTHAN -301014, INDIA

**UNIT-2- A-783(A), RDG INDUSTRIAL AREA, PHASE-II
BHAAADI, DOSI, AURAR, RAJASTHAN -301014, INDIA**

ALL DIMENSIONS ARE IN M.M. AND
NOT DRAWN TO SCALE PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE
SCHEMATIC DIAGRAM
PRODUCT 33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(1I/C+50/G+1BUS PT VCB PANEL)

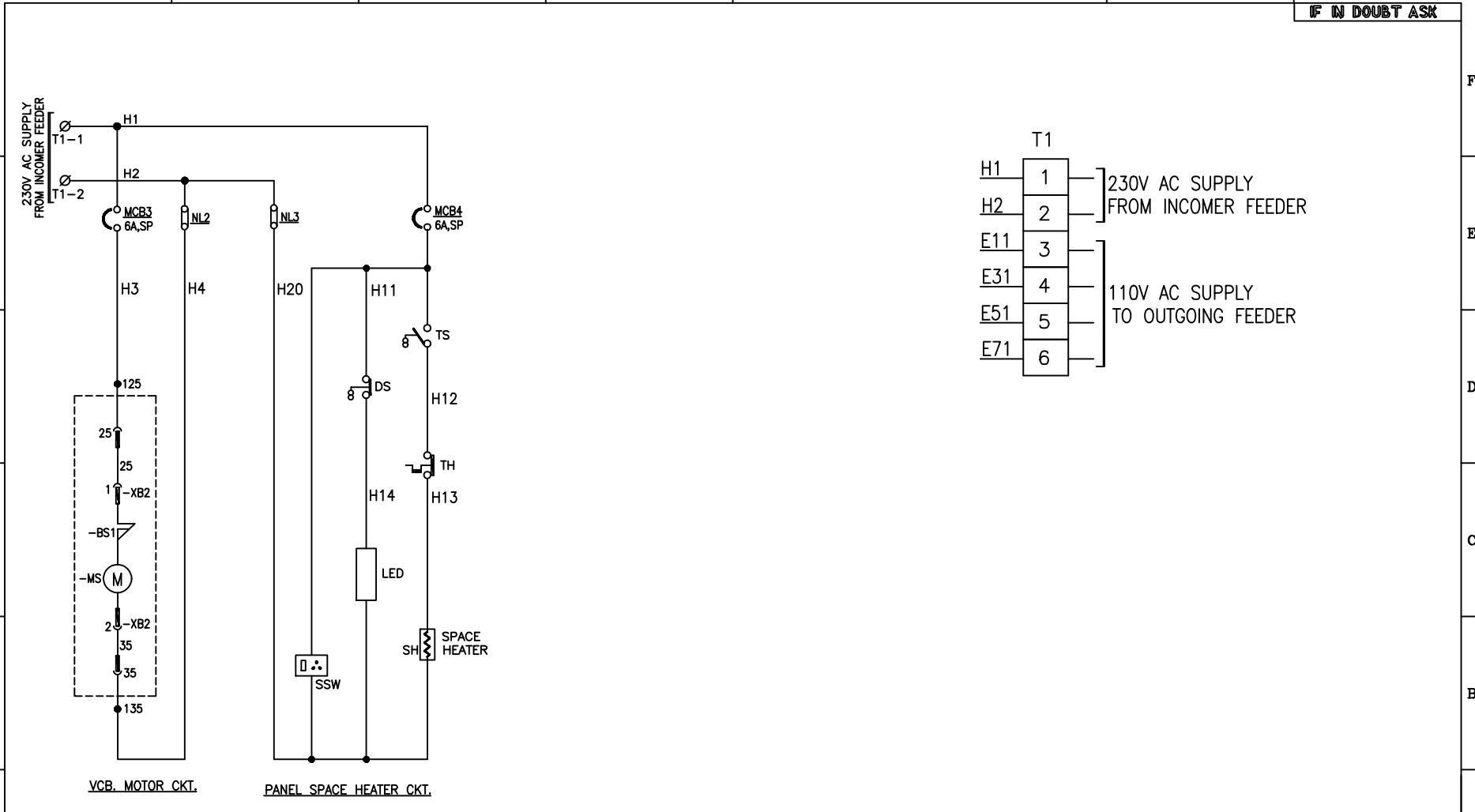
CLIENT PCTL AUTOMATION LIMITED
CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED
PROJECT MOMBASA KENYA

DSGN.	R.A.
DRN.	R.A.
CHD.	G.M. RAI
APPD.	
DATE	19.11.2020
DRG. NO.	
PB533/501	

ABN
SYSTEM HOUSE

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IF IN DOUBT ASK

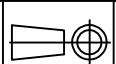


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BHEDAGHAT, DIST. AURANGABAD, MAHARASHTRA - 441014, INDIA

UNII-2- A-783(A) RICO INDUSTRIAL AREA, PHASE-II

BHEDAGHAT, DIST. AURANGABAD, MAHARASHTRA - 441014, INDIA



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SYSTEM HOUSE

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REQUIREMENTS CAN BE AS PER
MANUFACTURING REQUIREMENT
AND ENGINEERING TOLERANCES.

TITLE SCHEMATIC DIAGRAM

PRODUCT 33kV 1250A 31.5kA INDOOR TYPE VCB PANEL
(1/C+50/G+1BUS PT VCB PANEL)

CLIENT PCTL AUTOMATION LIMITED

CONSULTANT -----

CUSTOMER CORRUGATED SHEETS LIMITED

PROJECT MOMBASA KENYA



SYSTEM HOUSE

DSGN. R.A.

DRN. R.A.

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