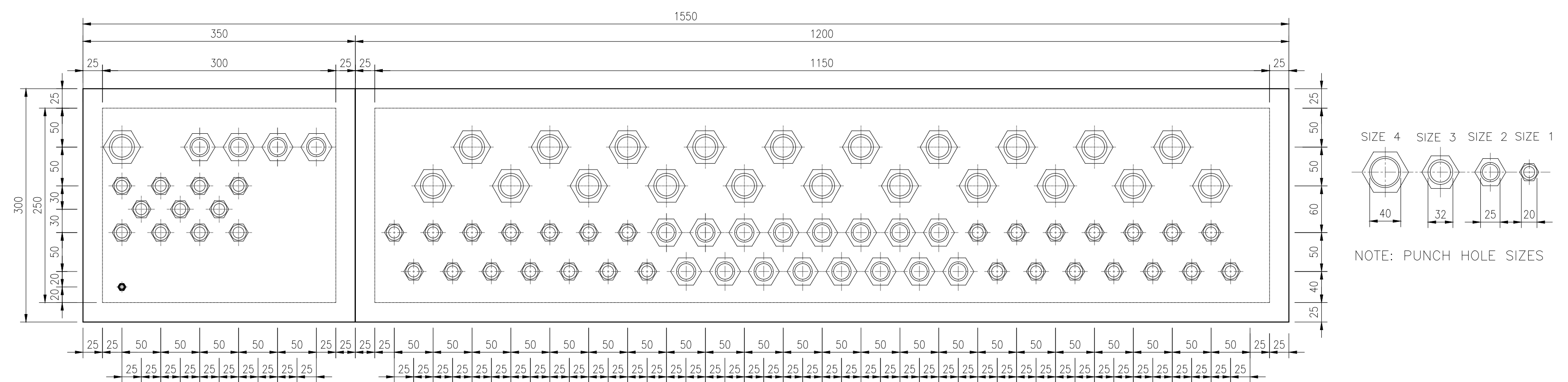
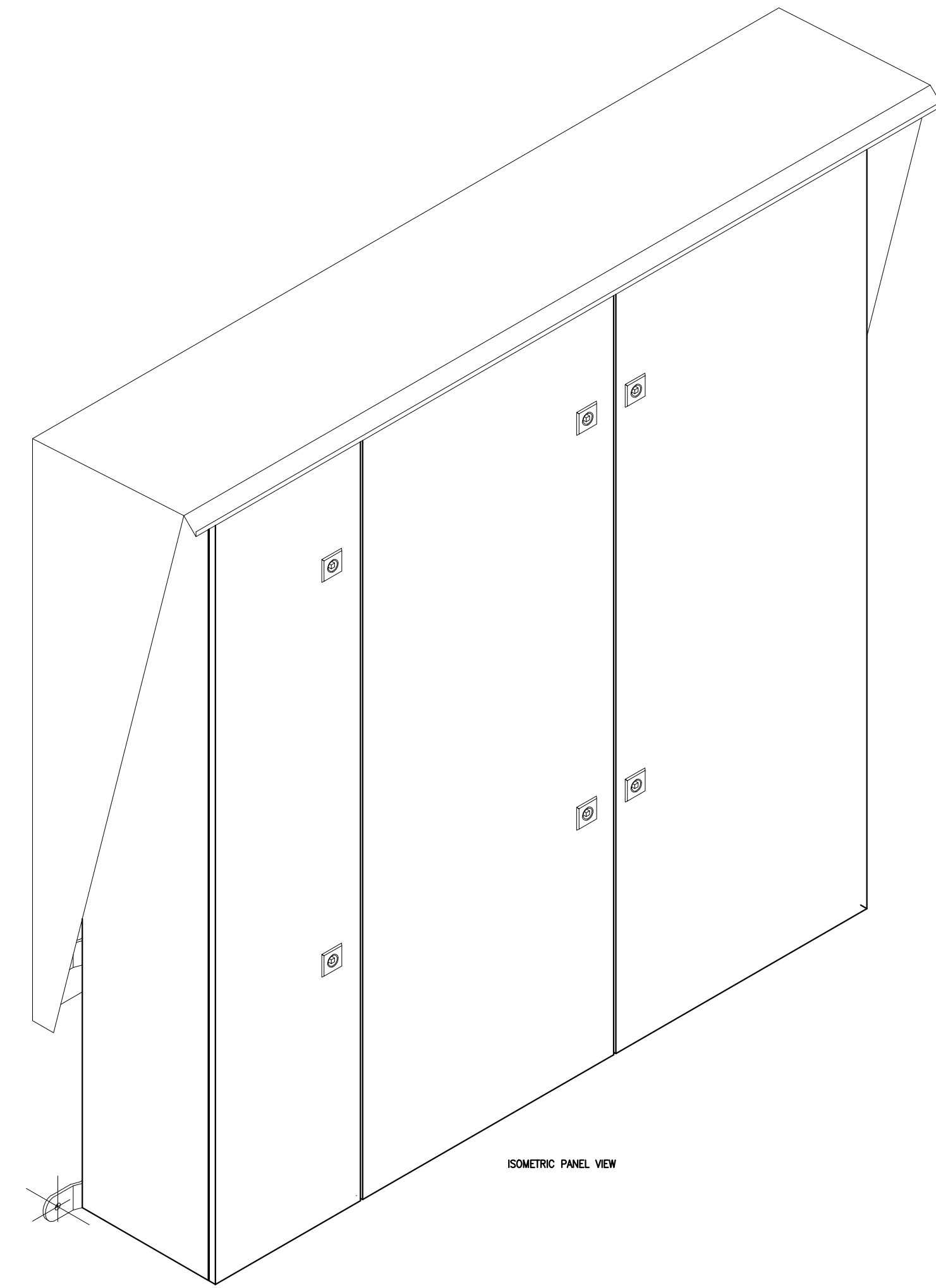
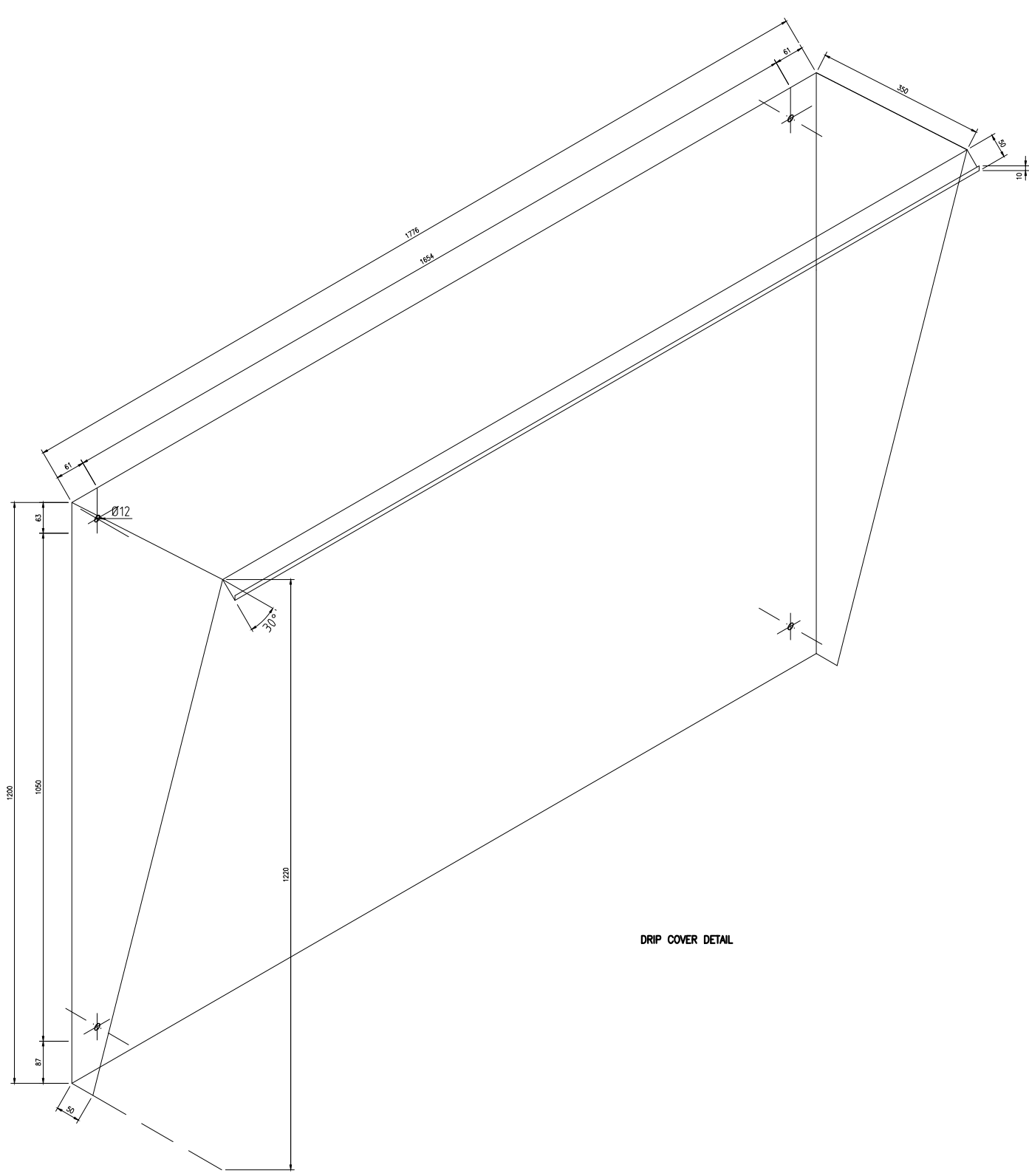


FRONT VIEW

LEGEND - ENCLOSURE				
ITEM	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY SUPPLIER
TERMINALS				
1	UBE/D TERMINAL GROUP LABEL	PHOENIX CONTACT	800307	VENDOR
2	E/NS 35 N END CLAMPS	PHOENIX CONTACT	800886	VENDOR
3	PTB 2.5-PE/L/L	PHOENIX CONTACT	3210547	VENDOR
4	D-PTB 2.5-PE/L/L	PHOENIX CONTACT	3210553	VENDOR
5	SET OF TERMINAL LABELS	ANY	-	VENDOR
6	PTB 2.5-PE/L/TG	PHOENIX CONTACT	3210539	VENDOR
7	P-FU 5 X 20-LED (AI/AO = 63mA , DI/DO(24Vdc) = 500mA , DI(110Vac) = 2A)	PHOENIX CONTACT	3209248	VENDOR
8	D-PTB 2.5/3 (End Cover)	PHOENIX CONTACT	3210522	VENDOR
9	40 X 100 NARROW SLOT TRUNKING - GREY	PHOENIX CONTACT	-	VENDOR
10	60x100 NARROW SLOT TRUNKING - GREY	PHOENIX CONTACT	-	VENDOR
11	100 X 100 NARROW SLOT TRUNKING - GREY	PHOENIX CONTACT	-	VENDOR
12	110VAC Plug Socket	ANY	-	1 VENDOR
13	LED enclosure light - PLD E 400 W 500	PHOENIX CONTACT	2702223	1 VENDOR
14	Door position switch - PLD E 400-DS-MS/1,0-FS/0,6	PHOENIX CONTACT	2702337	VENDOR
15	LED enclosure light - PLD E 400 W250	PHOENIX CONTACT	2702221	1 VENDOR
16	UTI 2,5-L/LB TERMINAL	PHOENIX CONTACT	3076033	VENDOR
17	D-UTI/3 TERMINAL END COVER	PHOENIX CONTACT	307036	VENDOR
SURGE PROTECTION				
20	TYPE 3 SURGE PROTECTION 110VAC PLT-SEC-T3-120-FM-PT	PHOENIX CONTACT	2907927	1 VENDOR
21	TYPE 3 SURGE PROTECTION 24VDC PLT-SEC-T3-24-FM-UT	PHOENIX CONTACT	2907916	2 VENDOR
FIBRE SPLICER BOXES AND NETWORK CABLES				
30	DINspace SNAP12ST DIN RAIL MOUNT SPLICE BOXES - SM (COMPLETE WITH PIGTAILS MID COUPLERS AND FIBRE MANAGEMENT)	COMPOSITE BOARDS CC	SNAP12ST	VENDOR
31	2M LC - ST SINGLEMODE DUPLEX FIBRE PATCH LEADS	ANY	-	2 VENDOR
32	CAT6 (RJ45) S/FTP ETHERNET PATCH LEADS AS PER MCC DESIGN	SIEMENS	-	2 VENDOR
33	RUGGED ST - ST SINGLEMODE FIBRE PATCH LEADS AS PER MCC DESIGN	ANY	-	VENDOR
34	6M RUGGED ST - ST SINGLEMODE FIBRE PATCH LEADS BETWEEN MCC SWITCHES	ANY	-	VENDOR
35	10M RUGGED ST - ST SINGLEMODE FIBRE PATCH LEADS BETWEEN MCC SWITCHES	ANY	-	VENDOR
36	20M RUGGED ST - ST SINGLEMODE FIBRE PATCH LEADS BETWEEN MCC SWITCHES	ANY	-	VENDOR
CIRCUIT BREAKERS				
40	MINIATURE CIRCUIT BREAKER 2A	SIEMENS	5SL6002-7	VENDOR
41	MINIATURE CIRCUIT BREAKER 4A	SIEMENS	5SL6004-7	VENDOR
42	MINIATURE CIRCUIT BREAKER 6A	SIEMENS	5SL6006-7	VENDOR
43	MINIATURE CIRCUIT BREAKER 10A	SIEMENS	5SL6010-7	VENDOR
44	MINIATURE CIRCUIT BREAKER DOUBLE POLE 10A	SIEMENS	5SJ6510-7KS	VENDOR
45	MINIATURE CIRCUIT BREAKER DOUBLE POLE 20A	SIEMENS	5SJ6520-7KS	VENDOR
46	MINIATURE CIRCUIT BREAKER DOUBLE POLE 50A	SIEMENS	5SY65027	VENDOR
SIEMENS EQUIPMENT				
50	PS-01 POWER SUPPLY 5A 24VDC (PS1)	SIEMENS	6EP1333-2BA20	1 VENDOR
51	PS-02 POWER SUPPLY 10A 24VDC (PS2)	SIEMENS	6EP1334-2BA20	VENDOR
52	PS-03 POWER SUPPLY 20A 24VDC (PS3)	SIEMENS	6EP1336-2BA10	1 VENDOR
53	SCALANCE XC206-25FP G ETHERNET SWITCH (SM)	SIEMENS	6GK5206-2GS00-2AC2	1 VENDOR
54	SCALANCE X SFP, SFP992-1LD; 1x 1000 Mbit/s LC PORT SINGLEMODE OPTICAL 10000 m	SIEMENS	6GK5992-1AM00-8AA0	2 VENDOR
55	S7-1500 RAIL (530mm)	SIEMENS	6ES7590-1AF30-0AA0	1 VENDOR
56	PS-04 S7-1500 25W SYSTEM POWER SUPPLY	SIEMENS	6ES7505-0KA00-0AB0	1 VENDOR
57	ET200MP IM 155-5 ST PROFINET INTERFACE MODULE	SIEMENS	6ES7155-5AA01-0AB0	1 VENDOR
58	DI DIGITAL INPUT, DI 32X24VDC HF	SIEMENS	6ES7521-1BL00-0AB0	4 VENDOR
59	FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	4 VENDOR
60	DI DIGITAL INPUT, DI 16x230VAC BA	SIEMENS	6ES7521-1FH00-0AA0	VENDOR
61	FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	VENDOR
62	DO DIGITAL OUTPUT, DO 32X24VDC/0.5A HF	SIEMENS	6ES7522-1BL01-0AB0	2 VENDOR
63	FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	2 VENDOR
64	DO S7-1500, DO 16x230VAC/2A ST (Relay)	SIEMENS	6ES7522-5HH00-0AB0	VENDOR
65	FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	VENDOR
66	AI S7-1500 ANALOG INPUT CARD, AI 8xU/I HS	SIEMENS	6ES7531-7NF10-0AB0	2 VENDOR
67	FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	2 VENDOR
68	AO ANALOG OUTPUT, AO 8xU/I HS	SIEMENS	6ES7532-5HF00-0AB0	1 VENDOR
69	FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	1 VENDOR

NOTES:

- EVERYTHING ON THIS DRAWING IS PANEL BUILDER SUPPLY.
- THE PANEL WILL BE IP65 RATED, DIVIDED INTO TWO SEPERATE SECTIONS, EACH WITH ITS OWN DOOR
- SECTION 1: OUTSIDE DIMENTIONS - 1600mm X 350mm X 300mm
CHASSIS DIMENSIONS - 1550mm X 300mm
LOCKS - 2 SQUARE KEY LATCHES, ONE PAD LOCKABLE (WITH 2 KEYS)
- SECTION 2: OUTSIDE DIMENTIONS - 1600mm X 1200mm X 300mm
CHASSIS DIMENSIONS - 1550mm X 1150mm
LOCKS - 2 SQUARE KEY LATCHES, ONE PAD LOCKABLE (WITH 2 KEYS)
- THE PANEL WILL BE POWDER COATED TO THE FOLLOWING SPECIFICATION:
PANEL: POWDER COATED TO SIEMENS GREY
CHASSIS: POWDER COATED TO BRILLIANT WHITE
- SUITABLE MOUNTING BRACKETS WILL BE INSTALLED PRIOR TO POWDER COATING
- THE PANEL WILL HAVE A 3mm BRASS GLANDPLATE
- HOLES WILL BE PUNCHED BETWEEN THE TWO SECTIONS PER THE ATTACHED LAYOUT
- THE PANEL WILL BE MANUFACTURED FROM 2mm 304/316 STAINLESS STEEL
- HINGES WILL BE INSTALLED ON THE SIDE OF THE PANEL AND THE LOCKS IN THE MIDDLE
- ALL PANEL LABELLING WILL BE ENGRAVED ON WHITE TRAFOLITE WITH 15mm BLACK LETTERING
- TWO SUITABLE PANEL LABELS WILL BE FIXED USING STUDS TO THE OUTSIDE OF EACH DOOR (NOT GLUED NOT DRILLED)
- 3M FIBRE SPLICER BOX WILL BE 250mm X 200mm X 100mm OR SIMILAR
- A SUITABLE DRIP COVER WILL BE REQUIRED
- DRAWING POCKET SUITABLE FOR A4 DRAWING TO BE STUDDED TO THE INSIDE DOOR
- EACH CIRCUIT BREAKER TOGGLE SHALL BE PROPERLY IDENTIFIED BY MEANS OF TRAFFOLITE LABELS
- I/O CARDS, LANDING TERMINAL STRIPS, SAFETY RELAY AND FIELD TERMINAL STRIPS, TO MATCH THE RIO BOX SCHEDULES



NOTE: GLAND PLATE TO BE PRE-PUNCHED AS PER DETAIL AND BE PLUGGED WITH SUITABLE PVC PLUG & NUT.