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 SPLICE 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 - STSINGLEMODE 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	1	VENDOR
52	PS-03	POWER SUPPLY 20A 24VDC (PS3)	SIEMENS	6EP1336-3BA10	1	VENDOR
53		SCALANCE XC206-2SFP 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, DQ 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, DQ 16x230VAC/2A ST (Relay)	SIEMENS	6ES7522-5HH00-0AB0	1	VENDOR
65		FRONT CONNECTOR, PUSH-IN SYSTEM FOR 35MM MODULES, 40-PIN	SIEMENS	6ES7592-1BM00-0XB0	1	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, AQ 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:

1. EVERYTHING ON THIS DRAWING IS PANEL BUILDER SUPPLY.
2. THE PANEL WILL BE IP65 RATED, DIVIDED INTO TWO SEPERATE SECTIONS, EACH WITH ITS OWN DOOR
3. 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)
4. 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)
5. THE PANEL WILL BE POWDER COATED TO THE FOLLOWING SPECIFICATION:
   PANEL: POWDER COATED TO SIEMENS GREY
   CHASSIS: POWDER COATED TO BRILLIANT WHITE
6. SUITABLE MOUNTING BRACKETS WILL BE INSTALLED PRIOR TO POWDER COATING
7. THE PANEL WILL HAVE A 3mm BRASS GLANDPLATE
8. HOLES WILL BE PUNCHED BETWEEN THE TWO SECTIONS PER THE ATTACHED LAYOUT
9. THE PANEL WILL BE MANUFACTURED FROM 2mm 3CR12 STAINLESS STEEL
10. HINGES WILL BE INSTALLED ON THE SIDE OF THE PANEL AND THE LOCKS IN THE MIDDLE
11. ALL PANEL LABELLING WILL BE ENGRAVED ON WHITE TRAFOLITE WITH 15mm BLACK LETTERING
12. TWO SUITABLE PANEL LABELS WILL BE FIXED USING STUDS TO THE OUTSIDE OF
    EACH DOOR (NOT GLUED NOT DRILLED)
13. 3M FIBRE SPLICE BOX WILL BE 250mm X 200mm X 100mm OR SIMILAR
14. A SUITABLE DRIP COVER WILL BE REQUIRED
15. DRAWING POCKET SUITABLE FOR A4 DRAWING TO BE STUDDED TO THE INSIDE DOOR
16. EACH CIRCUIT BREAKER TOGGLE SHALL BE PROPERLY IDENTIFIED BY MEANS OF TRAFFOLYTE LABELS
17. I/O CARDS, LANDING TERMINAL STRIPS, SAFETY RELAY AND FIELD TERMINAL STRIPS,
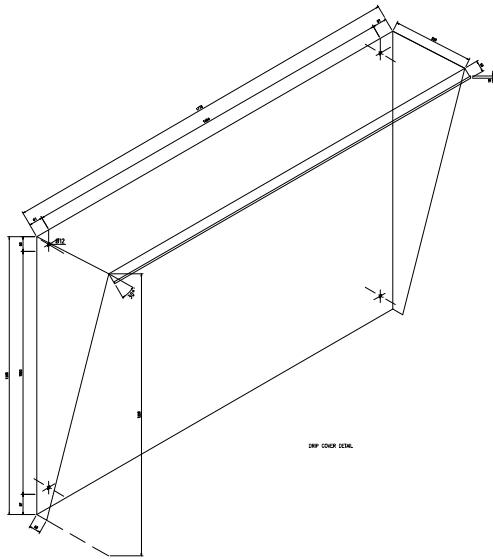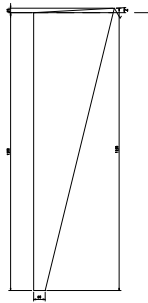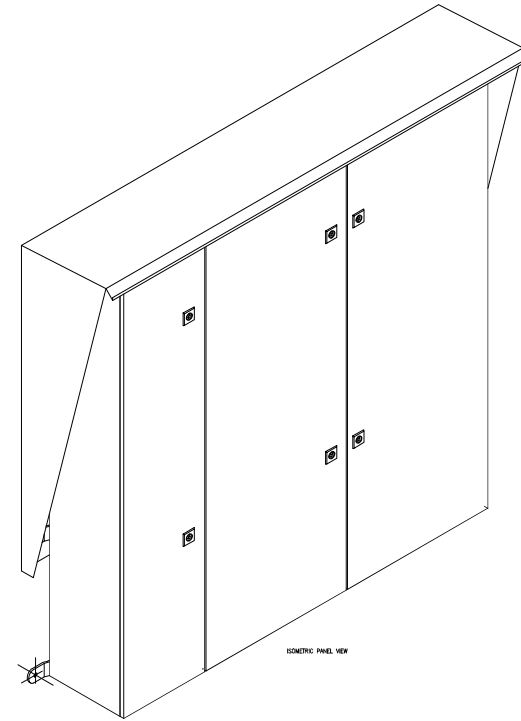   TO MATCH THE RIO BOX SCHEDULES

SECTION 1

SECTION 2

FRONT VIEW

100x100 TRUNKING

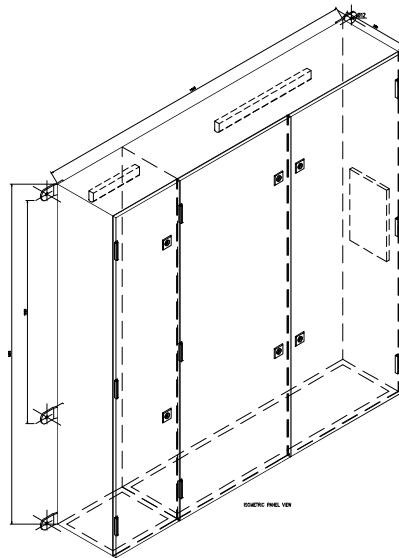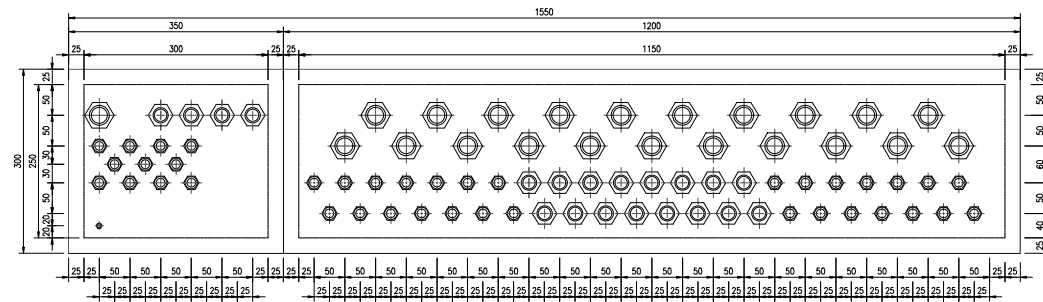| A1		SHEET 1 OF 2	REVISION D	SCALE N.T.S u.O.S.

DRIP COVER DETAIL
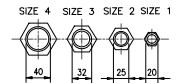
ISOMETRIC PANEL VIEW

ISOMETRIC PANEL VIEW

GLAND PLATE

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

SIZE 4   SIZE 3   SIZE 2   SIZE 1
40   32   25   20

NOTE: PUNCH HOLE SIZES

1550
1200
350
300
1150

25   300   25   25   1150   25
25   25

300   250

50   50   50   30   30   50   20   20

50   50   50   50   60   50   40

25   25   50   50   50   50   25   25
25   25   25   25   25   25

25   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   50   25
25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25   25