



CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

1. REF ID: G00; HARMONY XB4 COMPONENT ZBVG1 WAS ZBVG19 & COMPONENT ZBE1016 WAS ZBE10169.
2. REF ID: G00; HARMONY XB4 COMPONENT ZBVG1 WAS ZBVG19 & COMPONENT ZBE1016 WAS ZBE10169.
3. REF ID: G00; HARMONY XB4 COMPONENT ZBVG1 WAS ZBVG19 & COMPONENT ZBE1016 WAS ZBE10169.

EKAIROUZ
 L.MARTINUZZI
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 TRIM REF: 014/235818

23-08-2017
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09-04-2019
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LABEL DETAILS

LABEL SIZE & No.	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
C4-1	TRAFFOLYTE RED/WHITE/RED	LINE 1	4.0	FSB	1B
		LINE 2	2.5	48V 'B' MASTER BATT FUSE & LINK	
		LINE 3	2.5		
C8-1	GRAVOPLY No.200 WHITE/BLACK	LINE 1	7	DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL	2
		LINE 2	7		
C8-2	GRAVOPLY No.202 WHITE/RED	LINE 1	7	WARNING LIVE TRIPPING TERMINALS DO NOT DISTURB	1
		LINE 2	7		
		LINE 3	7	TRIPPING TERMINALS LOCATED INSIDE ON BACKPLATE PANEL	
C7-1	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	LOCAL AUTOMATION CONTROL RELAY	1
		LINE 2	2.5	LAC	
		LINE 3	4.0		
C7-2	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	1st Tx SIGNALS AUTO WHEN LIT	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-3	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	2nd Tx SIGNALS AUTO WHEN LIT	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-4	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	3rd Tx SIGNALS AUTO WHEN LIT	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-5	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	CUST OC No.1 SIGNALS AUTO WHEN LIT	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-6	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	CUST OC No.2 SIGNALS AUTO WHEN LIT	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-7	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	CUSTOMER CO-GENERATOR SET TO AUTO	1
		LINE 2	2.5	AUTO	
		LINE 3	4.0		
C7-8	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	CUSTOMER CO-GENERATOR SET TO NON-AUTO	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-9	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	CUSTOMER CO-GENERATOR RUNNING	1
		LINE 2	2.5		
		LINE 3	4.0		
C7-10	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	LV AUTOCLOSING AUTO WHEN LIT	1
		LINE 2	2.5	NON-AUTO	
		LINE 3	4.0		
C7-11	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	LV AUTOCLOSING SELECTION	1
		LINE 2	2.5		
C18-1	GRAVOPLY No.200 WHITE/BLACK	LINE 1	5	1st Tx GREEN LIGHT INDICATES TRANSFORMER & ARC FLASH RELAY 'B' IS HEALTHY	1
		LINE 2	5		
		LINE 3	5		
C18-2	GRAVOPLY No.200 WHITE/BLACK	LINE 1	5	2nd Tx GREEN LIGHT INDICATES TRANSFORMER & ARC FLASH RELAY 'B' IS HEALTHY	1
		LINE 2	5		
		LINE 3	5		
C18-3	GRAVOPLY No.200 WHITE/BLACK	LINE 1	5	3rd Tx GREEN LIGHT INDICATES TRANSFORMER & ARC FLASH RELAY 'B' IS HEALTHY	1
		LINE 2	5		
		LINE 3	5		

LEGEND

TAGNAME	MFG	CATNO	PART No.	No. OFF
ENCLOSURE	RITTAL	Z35.605	MOULDED TYPE 95	6
BL	EDGARUP	RS8000	ETHERNET SWITCH	6
DL-SW	RUGGEDCOM	AS/MS/9-60/G	ELECTRONIC SOUNDER, GREY, 9 - 60VDC	6
EM-S	ASSERTA	RS20P Black	FUSE - 2 STUD BACK CONNECTED	6
FSB	ALSTOM	SEL-3530	AUTOMATION CONTROL RELAY	6
L1 TO L3	SCHWEITZER	160.502.002/502	LAMP HOLDER WITH GREEN LENS	6
L4	MAFL	211-997-4-8-38	WHITE 60V DC EDISON SCREW MULTILEDS	6
IF (REQUIRED)	MAFL	160.502.002/1002	LAMP HOLDER WITH WHITE LENS	6
PB-1 & PB-2 (IF REQUIRED)	SCHNEIDER ELECT.	ZB4B31	WHITE 60V DC EDISON SCREW MULTILEDS	6
RTU52	SCHNEIDER ELECT.	ZB4B061	FLUSH OPERATOR (METAL, WHITE) - PUSH BUTTON CONTACT BLOCK (IN O)	6
SW-1 TO SW-6	INVENSY	ADP-275-997-4-8-38-60V	FILAMENT REPLACEMENT WHITE LED - 60V	6
TH-RP1, TH-RP2	SCHNEIDER ELECT.	HARMONY XB4	2 SLOT CARD FILE RTU50 ASSEMBLY (INCLUDING POWER CARD & AVARA OAP-SE CARD)	6
XL, XS	KRAUS & NAIMER	PLATE FAU125247	2 POSITION SELECTION SWITCH (ILLUMINATED WHITE)	6
XS	UTLUX	3869	3 POSITION SELECTION SWITCH	6
	UTLUX	3820	ISOLATING LINK RAIL MOUNTED	6
	WEDMULLER	ASK1	RAIL MOUNTED TERMINAL	6
	WEDMULLER	ISKR	RAIL MOUNTED FUSE CAT No. 37676	6
			RAIL MOUNTED ISOLATING TERM CAT No. 41226	6

HARMONY XB4 CONFIGURATION

TAGNAME	PART	Part No.	No. OFF
SW-1 TO SW-6 (SEE NOTE 5)	COLLAR	ZB4B2019	6
	LIGHT BLOCK	ZBVG01	6
	N/O CONTACTS	ZBE101	6
	N/C CONTACTS	ZBE102	6
	HEAD	ZB4BK1273	6

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
227380 SH	CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION AC SCHEMATIC
227380 S1Z	CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION DC SCHEMATIC
227380 S13	CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CUSTOMER OVERCURRENT DC SCHEMATIC
227380 S14	CITY DISTRIBUTION SUB WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION DIAC PANEL SCHEMATIC, GENERAL DC SUPPLIES INTER-PANEL WIRING, FIBRE COMMS & CABLING DIAGRAM
227380 S11	CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No1 & No2 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING DIAGRAM
227380 S12	RHCB SUBSTATIONS WITH E TYPE LV BOARD WITH OPTICAL ARC FLASH DETECTION FIBRE LOOPING AND GENERAL MOUNTING DETAILS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. CAM ARRANGEMENT TO BE CREATED FOR 9RU PANEL.
3. FOR LABEL CONSTRUCTION, DRILLING AND ENGRAVING DETAILS REFER TO DRAWINGS 50996 & 64825.
4. TRIPPING TERMINALS TO BE SUITABLY INSULATED WITH TERMINAL COVER H3822 TO PREVENT ANY ACCIDENTAL SHORTING OF THESE TRIP TERMINALS.
5. ANY ASPECTS OF THE PANEL LAYOUT THAT ARE NOT REQUIRED ARE TO BE OMITTED. REFER TO DESIGN INFORMATION PACKAGE FOR DETAILS.
 - SW-5 & RELATED LABEL C7-6 ARE REQUIRED ONLY WHERE CUSTOMER OC No2 IS INSTALLED.
 - PB-1, PB-2, L-4, & RELATED LABELS C7-7, C7-8, & C7-9 ARE REQUIRED ONLY WHERE CUSTOMER CO-GENERATION IS INSTALLED.
 - SW6 & SW7, & RELATED LABELS C7-10 & C7-11, ARE REQUIRED ONLY WHERE LV AUTOCLOSING IS INSTALLED.

TITLE

CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION AC SCHEMATIC

CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION DC SCHEMATIC

CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CUSTOMER OVERCURRENT DC SCHEMATIC

CITY DISTRIBUTION SUB WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION DIAC PANEL SCHEMATIC, GENERAL DC SUPPLIES INTER-PANEL WIRING, FIBRE COMMS & CABLING DIAGRAM

CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No1 & No2 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING DIAGRAM

CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No1 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING DIAGRAM

RHCB SUBSTATIONS WITH E TYPE LV BOARD WITH OPTICAL ARC FLASH DETECTION FIBRE LOOPING AND GENERAL MOUNTING DETAILS

PROJECT INFORMATION

SCALE: AS SHOWN

DESIGNED: -

DRAWN: E.KAIROUZ

CHECKED: L.MARTINUZZI

APPROVED: M.BENNETT

DATE: 26/02/2015

TRIM REF: -

PROJECT NUMBER: OPEX-6923-1

DRAWING No: 227388

SHEET: 1

AMD: 3

SIZE: A1

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