



- NOTES:**
- ALL PANELS, CABLING, AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGH VOLTAGE METERING REQUIREMENTS SETOUT IN THE ELECTRICAL SUPPLY STANDARD ES3.
 - ALL CT RATIOS SHALL BE BROUGHT OUT AND TERMINATED WITHIN THE METERING PANEL.
 - THE AC FUSE/TEST LINK/TERMINATIONS FUNCTION TABLE OR EQUIVALENT IS TO BE PRINTED OUT, LAMINATED AND APPROPRIATELY ATTACHED TO THE REAR OF THE PANELS ENCLOSURE ACCESS DOOR OR LID, OR ON THE PANEL ITSELF IF AN ENCLOSURE IS NOT USED.
 - PART NUMBERS QUOTED IN THIS DOCUMENT REFER TO COMMONLY USED EQUIPMENT AND SHOULD BE USED AS A GUIDE. ALL PARTS CAN BE OF THE SAME TYPE OR EQUIVALENT.
 - DIN MOUNTED EQUIPMENT COVER - ALL LINKS AND FUSES AT THIS TEST POINT MUST HAVE A SEALABLE COVER THAT WHEN IN POSITION NO CONDUCTOR IS EXPOSED AND HAS THE FACILITY TO BE APPROPRIATELY SEALED BY THE APPROVED METER PROVIDER. WHEN THE METERING IS INSTALLED OUTSIDE IN ENVIRONMENTS WITH HIGH LEVELS OF AIR BOURNE PARTICLES SUCH AS; COAL DUST ETC., THE PANEL ENCLOSURE SHALL BE RATED TO A MINIMUM OF IP55 TO PREVENT THE INGRESS OF SUCH MATER.
 - THE INCOMING CT AND VT TERMINATIONS (X1) SHALL HAVE A COVER THAT PREVENTS CONTACT WITH LIVE EXPOSED CONDUCTORS AND SEPARATELY SEALED TO PREVENT UNAUTHORISED ACCESS.
 - THE PRIMARY CIRCUIT OF THE METERING VT MUST BE PROTECTED BY A HIGH SPEED PROTECTION DEVICE. CONSIDERATION SHOULD BE GIVEN TO INSTALLATION OF A PRIMARY PROTECTION DEVICE FOR THE VT EVEN WHEN THE VT IS INSTALLED WITHIN A HIGH SPEED PROTECTION ZONE, THIS MAY PREVENT INTERRUPTION OF CUSTOMER SUPPLY IN THE CASE OF A VT FAILURE.

ITEM	RATING	ITEM FUNCTION	NOTE 3		NOTE 4	
			MAKE	TYPE	MAKE	TYPE
FS01	4A	METER 110V VT POTENTIAL FUSE - REDØ	ALSTOM	SAFECLIP SC20H BLACK		
FS02	4A	METER 110V VT POTENTIAL FUSE - WHITEØ	ALSTOM	SAFECLIP SC20H BLACK		
FS03	4A	METER 110V VT POTENTIAL FUSE - BLUEØ	ALSTOM	SAFECLIP SC20H BLACK		
LK04	LINK	METER 110V VT POTENTIAL LINK - NEUTRAL	ALSTOM	SAFECLIP SC20HWH WHITE		
LK05	-	METER POTENTIAL TEST LINK - REDØ	PHOENIX	URTK/S		
LK06	-	METER POTENTIAL TEST LINK - WHITEØ	PHOENIX	URTK/S		
LK07	-	METER POTENTIAL TEST LINK - BLUEØ	PHOENIX	URTK/S		
LK08	-	METER POTENTIAL TEST LINK - NEUTRAL	PHOENIX	URTK/S		
LK09	-	METER CURRENT TEST LINK - REDØ POLARITY	PHOENIX	URTK/S		
LK10	-	METER CURRENT TEST LINK - REDØ NON POLARITY	PHOENIX	URTK/S		
LK11	-	METER CURRENT TEST LINK - WHITEØ POLARITY	PHOENIX	URTK/S		
LK12	-	METER CURRENT TEST LINK - WHITEØ NON POLARITY	PHOENIX	URTK/S		
LK13	-	METER CURRENT TEST LINK - BLUEØ POLARITY	PHOENIX	URTK/S		
LK14	-	METER CURRENT TEST LINK - BLUEØ NON POLARITY	PHOENIX	URTK/S		
FS15	2A	COMMUNICATIONS 110V POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK		
FS16	2A	COMMUNICATIONS 110V POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK		
X1	-	REAR OF PANEL INCOMING CT AND VT TERMINATIONS	UTILUX	H3820		

AC FUSE/TEST LINK/TERMINATIONS FUNCTION TABLE

ASSOCIATED DRAWINGS

221331 sh.2	HIGH VOLTAGE METERING LABELLING & EQUIPMENT DETAILS INSTALLATION WITHOUT INSTRUMENT TRANSFORMER MARSHALLING BOX/S
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SCALE
AS SHOWN

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DATE
11/11/2013

PRJTRK No.
-

PROJECT NUMBER
-

HIGH VOLTAGE METERING SCHEMATIC DIAGRAM, WIRING DIAGRAM & PANEL LAYOUT INSTALLATION WITHOUT INSTRUMENT TRANSFORMER MARSHALLING BOX/S

DRAWING No 221331 **SHEET** 1 **AMD** 01 **SIZE** A1

CAD DRAWING
DO NOT MANUALLY RE-EDIT

AMENDMENTS

1	ADDED NOTE 7 REGARDING VT PRIMARY PROTECTION.	25/06/2015	M.HARRISON
	CHECKED		M.HARRISON
	APPROVED		M.HARRISON