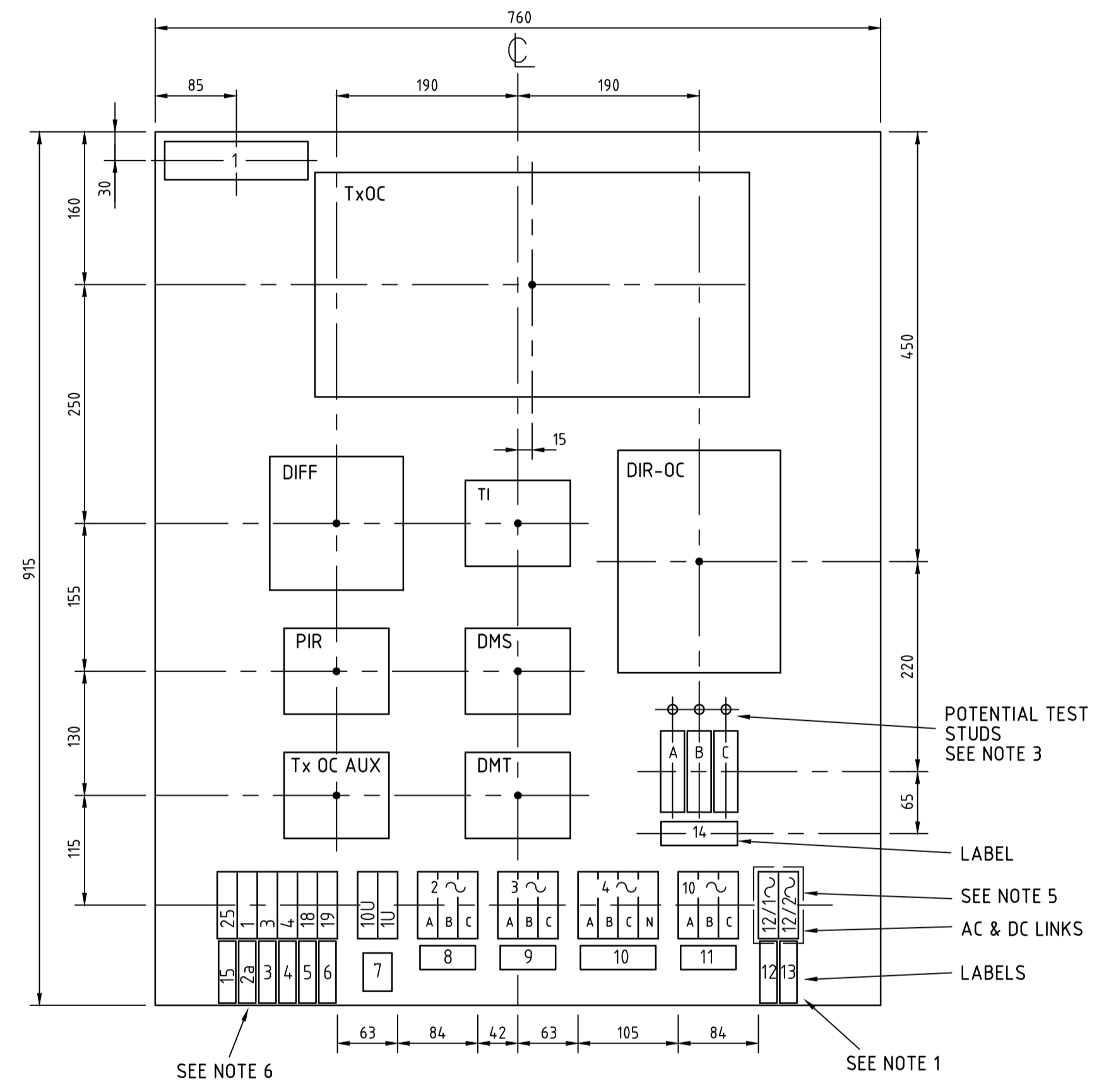


REFERENCE DRAWINGS	
WALL MOUNTED RELAY PANELS - STEELWORK Mk6	A2-28632
CITY DIST CENTRES WALL MOUNTED TX PANEL - WIRING	B1-115148
DISTRIBUTION SUBSTATIONS - LABEL & MOULDED LINK DETAILS	B1-178241
DISTRIBUTION SUBSTATIONS - PROTECTION RELAY DRILLING DETAILS	A2-191086
MOULDED LINK ASSEMBLIES - PERSPEX COVERS	A2-116710
POTENTIAL TEST STUDS & FUSES - ARRANGEMENT	A2-50400
CITY DIST CENTRES BASEMENT SUBSTATIONS CABLING	B1-116147
CITY DIST CENTRES - CONTROL POINT & UPPER LEVEL SUBSTATIONS CABLING	B1-116148
CITY DIST CENTRES WITH NILSEN ACB'S - AC/DC SCHEMATICS	B1-115146
CITY DIST CENTRES WITH EMAIL ACB'S - AC/DC SCHEMATICS	B1-115147
CITY DIST CENTRES WITH MERLIN GERIN ACB'S - AC/DC SCHEMATICS	B1-115945
CITY DIST CENTRES WITH MITSUBISHI M12 ACB'S - AC/DC SCHEMATICS	B1-174462

LABEL DETAILS						
LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
1	C8	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	8 8	TRANSFORMER #	1
2a	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	BUCHHOLZ BATTERY LINK	1
2b	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	THERMAL BATTERY LINK	1
3	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER OVERCURRENT BATTERY LINK	1
4	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	DIFFERENTIAL BATTERY LINK	1
5	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	DIR OVERCURRENT DRUM BATTERY LINK	1
6	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	DIR OVERCURRENT AUX BATTERY LINK	1
7	C3	GRAVOPLY No.248 RED/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	10 1 20V DC MASTER BATT LINKS	1
8	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	A B C TRANSFORMER OVERCURRENT RELAY 2~ DELTA TEST LINKS	1
9	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	A B C DIRECTIONAL OVERCURRENT RELAY 3~ DELTA TEST LINKS	1
10	C1	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	A B C N DIFFERENTIAL RELAY TEST LINKS	1
11	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	A B C DIRECTIONAL OVERCURRENT RELAY TEST LINKS	1
12	C2	GRAVOPLY No.235 YELLOW/BLACK	LINE 1 LINE 2	2.5 2.5	415 VOLT PIR TRIP LINK	1
13	C2	GRAVOPLY No.235 YELLOW/BLACK	LINE 1 LINE 2	2.5 2.5	415 VOLT DMT TRIP LINK	1
14	C1	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	A B C DIR OVERCURRENT RELAY FUSES	1
15	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2 LINE 3	2.5 2.5 2.5	CUSTOMER & SUMMATED TRANSFORMER OVERCURRENT TRIP LINK	1

REFER NOTE 2 FOR #

REFER NOTE 6 FOR 2a & 2b.



DRILLING DETAILS
FRONT VIEW
SCALE 1:5

REFER TO DRAWING B1-115148
FOR WIRING DIAGRAM

NOTES

- LABELS ARE TO BE MADE AND POSITIONED AS SHOWN ON DRAWING B1-178241. DRILLING FOR RELAYS AND LINKS ARE SHOWN ON DRAWING A2-191086.
- THE TRANSFORMER NUMBER FOR THE RELEVANT SUBSTATION IS TO BE ENGRAVED ON LABEL 1 WHERE # IS SHOWN.
- POTENTIAL TEST STUDS, FUSES & LINKS ARE TO BE DRILLED FOR MOUNTING DIRECT ONTO RELAY PANELS USING A2-50400 AS A GUIDE.
- THE PANEL IS TO BE CONSTRUCTED IN ACCORDANCE WITH MARK 6 OF A2-28632.
- LINKS 12/1~ & 12/2~ ARE TO BE COVERED WITH CLEAR PLASTIC COVERS SUITABLY FIXED TO THE FRONT & REAR OF THE PANEL, AS SHOWN ON DRAWING A2-116710. EACH COVER IS TO HAVE A SELF ADHESIVE LABEL ATTACHED WHICH IS TO READ:

DANGER
415 V AC

- LETTERING IS TO BE 5mm HIGH AND BE RED ON WHITE BACKGROUND.
- FOR SUBSTATIONS WITH DRY TYPE TRANSFORMERS REPLACE LINK 1 AND LABEL 2a WITH LINK 11 AND LABEL 2b.

LEGEND	
SYMBOL	DESCRIPTION
TxOC	TRANSFORMER OVERCURRENT RELAY TYPE CDG
DIR-OC	EE TYPE PCD DIRECTIONAL OVERCURRENT RELAY
DIFF	DIFFERENTIAL RELAY TYPE K3M
PIR	PILOT INTERLOCK RELAY - EMAIL TYPE VY
DMS	SIGNAL & LOCKOUT RELAY - EMAIL TYPE VY
DMT	TRIP & SIGNAL RELAY - EMAIL TYPE VY
TI	BUCHHOLZ TRIP INDICATOR-TYPE T13 (CITY)
Tx OC AUX	TRANSFORMER OVERCURRENT AUXILIARY TRIP INDICATOR

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS
7. LABEL DETAILS ADDED.
REF DRAWING LIST REVISED.
DRAWING UPDATED TO NETWORK STANDARDS.
PN 103/59/1/6
PWJ 23.3.07
CHECKED: WJB
APPROVED: PIE

8. PIR, DMR & DMT RELAYS REPOSITIONED TO ACCOMMODATE Tx OC AUX TRIP INDICATOR. NOTE 6 & LABELS 2a AND 2b ADDED.
PN 208/6/9/2
PWJ 12.12.07
CHECKED: PIE
APPROVED: PIE

9. LINK 25 AND LABEL 15 ADDED. REF DRAWINGS DELETED FROM LEGEND.
REF DRAWING A2-191086 ADDED. NOTE 1 ALTERED.
PN 208/6/9/2
PWJ 12.05.08
CHECKED: DRB
APPROVED: WJB

10. NEW AUSGRID BORDER & LOGO ADDED.
23.09.2013
RLA/LAA
APPROVED
T.LAMPARD

NETWORK STANDARD
Ausgrid
DESIGN SERVICES
24 CAMPBELL ST SYDNEY NSW 2000

SCALE	AS SHOWN
DESIGNED	-
DRAWN	AJE
CHECKED	ASK
APPROVED	JH
DATE	12.8.87
PRJTRK No.	-
PROJECT NUMBER	-

CITY DISTRIBUTION CENTRES
WALL MOUNTED TRANSFORMER
PROTECTION PANELS
PANEL LAYOUT

DRAWING No **115247** SHEET - AMD 10 SIZE A1