2 3 5 6 8 NOTES MANUFACTURER: INSTALLATION: LV TRANSFORMER SHROUD TO BE MADE OF NEOPRENE RUBBER AND TO BE COLOURED BLACK. TO BE READ IN CONJUNCTION WITH NETWORK STANDARD 114. EXTERNAL SURFACE OF SHROUD TO BE SMOOTH AND FREE FROM CAVITIES. THIS END TO BE REMOVED BY SUBSTATION CONSTRUCTION STAFF. SUFFICIENT MATERIAL IS TO BE REMOVED TO PROVIDE A THE MANUFACTURER IS TO ELECTRICALLY TEST THE LV TRANSFORMER SHROUD IN ACCORDANCE WITH THE FOLLOWING:-TIGHT FIT FOR CABLES. -INSULATION RESISTANCE SHALL NOT BE LESS THAN 5000 MEGOHMS AT 2500VDC BETWEEN INNER AND OUTER SURFACE. SHROUDS ARE TO BE SLID OVER CABLES BEFORE BOLTING CABLES TO TRANSFORMER BUSHING. UNDER NO CIRCUMSTANCES ARE -FILL SHROUD WITH WATER, THEN IMMERSE SHROUD IN A TANK OF WATER TO WITHIN 25mm OF SHROUD RIM. APPLY SHROUDS TO BE CUT, SPLIT OR PUNCTURED. DAMAGED SHROUDS ARE TO BE REPLACED BEFORE COMMISSIONING THE 5000VAC BETWEEN THE TANK WATER AND WATER INSIDE THE SHROUD FOR ONE MINUTE. THE MAXIMUM LEAKAGE CURRENT IS TRANSFORMER NOT TO BE GREATER THAN 10mA FOR THIS PERIOD OF TIME. SHROUDS ARE TO BE PUSHED OVER TRANSFORMER BUSHINGS. ADHESIVE OR TAPE MUST NOT BE USED TO FIX SHROUDS TO BUSHINGS. TAPE IS USED AROUND THE CABLE OPENING ONLY FOR RETENTION ON CABLES AND VERMIN SCREENING. ONLY AUSGRID APPROVED TAPE TO STOCK CODE 53777 CAN BE USED. 345 SHROUD LV BUSHING LV BUSHING OIL FILLED OIL FILLED TRANSFORMER TRANSFORMER REFER NOTE 2 REFER NOTE 2 SHROUD - PLAN SHROUD - PLAN AREA FOR AREA FOR LV COMPRESSION APPLICATION OF APPLICATION OF LV COMPRESSION TYPE CABLE LUG TAPE TYPE CABLE LUG TAPE **DRAWING 41790 REFER NOTE 4 DRAWING 41790** REFER NOTE 4 CABLES (3 X 500mm<sup>2</sup> SHOWN) REFER CABLES (2 X 500mm<sup>2</sup> SHOWN) REFER TO NETWORK STANDARD 114 TO NETWORK STANDARD 114 FOR FURTHER DETAILS FOR FURTHER DETAILS TERMINATION DETAIL SHROUD - ELEVATION TERMINATION DETAIL SHROUD - ELEVATION 750 to 1000 kVA 1500 kVA STOCK CODE 182363 STOCK CODE 113936 LOW VOLTAGE TRANSFORMER 1:5 DESIGNED Ausgrid -TERMINATION SHROUD DRAWN -FOR 750kVA, 1000kVA & 1500kVA CHECKED APPROVED 24 Campbell Street SYDNEY NSW 2000 OIL FILLED TRANSFORMERS DATE 31/08/1973 ARRANGEMENT & DETAILS P: 9272 3805 TRIM REF ISSUED FOR 4<sup>AMD</sup> A2 PROJECT 48546 CONSTRUCTION NUMBER 3 8 6