



REFERENCE DRAWINGS
 STREET LIGHTING - RANGE OF POLE & WALL MOUNTED STREET LIGHTING BRACKETS
 STREET LIGHTING COLUMNS WIND LOADING ALLOWABLE CONDITIONS
 B1-66251
 A2-118244

- NOTES**
- ALL STEELWORK TO BE FABRICATED IN ACCORDANCE WITH AS 3990.
 - UNLESS NOTED OTHERWISE:
 - ALL HOT ROLLED FLATS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 1594.
 - ALL HOT ROLLED BARS & SECTIONS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 3679.
 - ALL HOLLOW SECTIONS TO BE GRADE C250 MINIMUM IN ACCORDANCE WITH AS 1163.
 - AFTER FABRICATION, ALL BURRS AND SHARP EDGES TO BE REMOVED.
 - ALL WELDING TO BE IN ACCORDANCE WITH AS 1554.1.
 - A WELDING PROCEDURE SHALL BE QUALIFIED BEFORE WELDING.
 - A WELDING PROCEDURE SPECIFICATION (WPS) TO BE DEVELOPED FROM THE PROCEDURE QUALIFICATION RECORD (PQR).
 - PRODUCE DOCUMENTARY EVIDENCE OF MACRO TEST, TENSILE AND BEND TEST IN ACCORDANCE WITH AS 1554.1
 - CONSUMABLES (ELECTRODES) SHALL BE MATCHED WITH THE STEEL TYPE IN COMPLIANCE WITH AS/NZS 1554.1 TABLE 4.6.1(A) & THE RELEVANT COLUMNS OF THE TABLE DEPENDING ON THE TYPE OF WELDING PROCESS BEING UNDERTAKEN.
 - UNLESS NOTED OTHERWISE:
 - ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELDS, CATEGORY GP.
 - BUTT WELDS SHALL BE CONTINUOUS FULL PENETRATION, CATEGORY SP.
 - ALL WELDS TO BE CARRIED OUT IN THE SHOP UNLESS NOTED AS 'WELD ON SITE'.
 - WELDS SHALL BE INSPECTED TO AS/NZS 1554.1 CLAUSE 7.3 (VISUAL INSPECTION OF WORK) UNLESS THE WELDING PROCESS IS SUPERVISED AND CARRIED OUT BY QUALIFIED PERSONNEL AS DEFINED IN AS/NZS 1554.1 CLAUSE 4.12.1 AND CLAUSE 4.12.2.
 - AFTER FABRICATION, ALL WELDS TO BE CHIPPED FREE OF SLAG.
 - AFTER FABRICATION, ALL STEELWORK TO BE HOT DIP GALVANISED TO AS 4680. GALVANISING MINIMUM AVERAGE COATING THICKNESS AND MASS TO BE IN ACCORDANCE WITH AS 4680 TABLE 1. AVERAGE THICKNESS SHALL BE DETERMINED IN ACCORDANCE WITH AS 2312.

SURFACE FINISH - THE GALVANISED COATING TO BE CONTINUOUS, ADHERENT, AS SMOOTH AND EVENLY DISTRIBUTED AS POSSIBLE, AND FREE FROM ANY DEFECT THAT IS DETRIMENTAL TO THE STATED END USE OF THE COATED ARTICLE. ANY RECTIFICATION TO BE CARRIED OUT AS PER CLAUSE 8 OF AS 4680.

ADHESION - THE GALVANISED COATING SHALL BE SUFFICIENTLY ADHERENT TO WITHSTAND NORMAL HANDLING DURING TRANSPORT AND ERECTION.
 - AFTER GALVANISING, ALL HOLES TO BE CLEARED AND SHARP EDGES TO BE REMOVED.
 - WHERE THE GALVANISING FINISH HAS BEEN DAMAGED, AREA TO BE TREATED WITH COLD GALVANISING PAINT SIMILAR TO ZINCFIX. COATINGS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
 - ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED TO AS 1214.
 - ALL BOLTS TO BE GRADE 4.6/5 TO AS 1111.
 - BRACKET IS NOT TO BE USED ON TIMBER POLES LESS THAN 200MM DIA AT THE POINT OF CONNECTION.
 - TOTAL MASS OF BRACKET IS 68KG.
 - FOR DELIVERY, BOTH SECTIONS OF BRACKET ARE TO BE WIRED TOGETHER WITH GALVANISED STEEL WIRE.
 - BRACKET TO BE SUPPLIED TO THE FIELD WITH BOTH PARTS BOLTED TOGETHER.
 - IF ANY MATERIAL SIZE DETAILED IS CHANGED, PRIOR APPROVAL MUST BE OBTAINED FROM AUSGRID.
 - THE FUSE HOLDER SHALL BE A FULLY SHROUDED 20A, FRONT CONNECTED TYPE REFERENCE 'F1' TO AS 60269.2.1. THE FUSE LINK SHALL BE 10A, REFERENCE 'F1' TO AS 60269.2.1.

CAD DRAWING
 DO NOT MANUALLY AMEND

REVISIONS

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR FABRICATION	27/03/86	C.SAWDY	R.MEE
2	2 M.S. GUSSETS ADDED	27/03/86	C.SAWDY	R.MEE
3	3 ITEM 1 TUBE NOW 4.8 MACHINING NOTE DELETED	13/06/86	C.SAWDY	R.MEE
4	ALTERED REF E-5	13/06/86	C.SAWDY	R.MEE
5	NEW LUGS/PIECE BASE WAS MEM 700 (REF F4).	15/12/00	C.SAWDY	R.MEE
6	REWORKED BRACKET COVER WAS SECURED BY 8 GAUGE	19/02/2013	C.SAWDY	R.MEE
7	POSITION NOTES UPDATED FUSE			
8	GENERAL NOTES UPDATED TO CURRENT STANDARDS. NOTE 2(C) UNLOADING REF (RIG ADDED)			

DESIGNER: DAVID STANBURY
CHKD: COLIN SAWDY
DATE: 27/03/86
APP'D BY: KATINA GALLEN

GENERAL NOTES

- ITEM 1 TUBE NOW 4.8 MACHINING NOTE DELETED
- ALTERED REF E-5
- NEW LUGS/PIECE BASE WAS MEM 700 (REF F4).
- REWORKED BRACKET COVER WAS SECURED BY 8 GAUGE
- POSITION NOTES UPDATED FUSE
- GENERAL NOTES UPDATED TO CURRENT STANDARDS. NOTE 2(C) UNLOADING REF (RIG ADDED)

MECHANICAL DESIGN
 570 GEORGE STREET
 SYDNEY NSW 2000

Ausgrid

SCALE	AS SHOWN
DESIGNED	C.SAWDY
DRAWN	C.SAWDY
CHECKED	R.MEE
APPROVED	K.H.B.
DATE	18.06.1985
PRJTRK No.	20727

PROJECT NUMBER

**STREET LIGHTING
 6m OUTREACH
 ELEVATED POLE MOUNTED BRACKET
 TYPE 6
 ARRANGEMENT AND DETAILS**

DRAWING No **63736** SHEET 1 AMD 8 SIZE B1

