



NOTES

- ALL STEELWORK TO BE FABRICATED IN ACCORDANCE WITH AS 4100.
- UNLESS NOTED OTHERWISE:
 - ALL HOT ROLLED FLATS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 1594.
 - ALL HOT ROLLED SECTIONS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 3679.
 - ALL HOLLOW SECTIONS TO BE GRADE C350 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 125 μ m, 900g/m². 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 IS TO 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.
- TAPPED HOLES TO BE RE_TAPPED AFTER GALVANISING.
- ALTERNATIVE DESIGN & MATERIALS MAY BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
- AFTER GALVANISING, THE MAXIMUM ALLOWABLE BOW OR PERMANENT DEFLECTION SHALL NOT EXCEED 5mm PER 2.5m OF LENGTH IN ANY PLANE UNLESS NOTED OTHERWISE.
- THE BRACKET TO BE SUPPLIED AS A SINGLE ASSEMBLY WITH A DRAW WIRE OF GALVANISED STEEL, COPPER OR OTHER APPROVED MATERIAL PROTRUDING FROM THE CABLE ENTRY HOLE & THE LIGHTING SPIGOT AND A 4mm sq EARTHING CONDUCTOR INSTALLED & ATTACHED TO THE EARTH POINT BY A SUITABLE CRIMP LUG & HAVING A MINIMUM OF 300mm PROTRUDING FROM THE LIGHTING SPIGOT.
- AUSGRID RESERVES THE RIGHT TO INSPECT & TEST SUPPLIED ARTICLES FOR COMPLIANCE WITH THESE NOTES.

STOCK CODE : H106450

F	CAD DRAWING DO NOT MANUALLY AMEND	1	2	3	4	5	6	7	8
	AMENDMENTS								
	1. INITIAL ISSUE								
	DWN: P.D. CHKED: R.M.								
	DWN: P.S. CHKED: R.M.								
2. STOCK CODE ADDED									
AUTHD BY: I. NICHOLS	1	2	3	4	5	6	7	8	
DWN: M.A. CHKED: P.A.S.	1	2	3	4	5	6	7	8	
DATE: 10.2.94	1	2	3	4	5	6	7	8	
3. OUTREACH DIMENSIONS CHANGED TO ALIGN WITH A1-13622	1	2	3	4	5	6	7	8	
AUTHD BY: I. NICHOLS	1	2	3	4	5	6	7	8	
DWN: P.S. CHKED:	1	2	3	4	5	6	7	8	
DATE: 11-8-99	1	2	3	4	5	6	7	8	
4. UPLIFT ANGLE CHANGED TO 5°. HADDED TO STOCK CODE. COUNCIL REFERENCE REMOVED.	1	2	3	4	5	6	7	8	
AUTHD BY: R.KNOWLES	1	2	3	4	5	6	7	8	
DWN: C. SAVIDY	1	2	3	4	5	6	7	8	
DATE: 19.01.2015	1	2	3	4	5	6	7	8	
5. DRAWING BORDER UPDATED. NOTES UPDATED TO CURRENT STANDARDS.	1	2	3	4	5	6	7	8	
AUTHD BY: P. HUDSON	1	2	3	4	5	6	7	8	

NETWORK STANDARD

Ausgrid

MECHANICAL DESIGN
570 GEORGE STREET
SYDNEY NSW 2000

SCALE	1 : 2
DESIGNED	
DRAWN	P.S.
CHECKED	
APPROVED	I. NICHOLS
DATE	11.08.1999
PROJECT NUMBER	
PROJTRAK NUMBER	

STREET LIGHTING STEEL POST TOP TO OUTREACH CONVERSION BRACKET ARRANGEMENT AND DETAILS			
SIZE	DRAWING No	SHEET	AMD
A2	519502	1	5

