

**SPIGOT APPLICATION**

**SAFETY IN DESIGN NOTES**

THE DESIGNER SAFETY REPORT PREPARED BY AUSGRID DESIGNERS IS INTENDED TO MEET THE REQUIREMENTS OF THE SAFE WORK AUSTRALIA CODE OF PRACTICE JULY 2012 AND THE APPLICABLE NSW WHS 2011 REGULATIONS FOR DESIGNER SAFETY REPORT - 295.

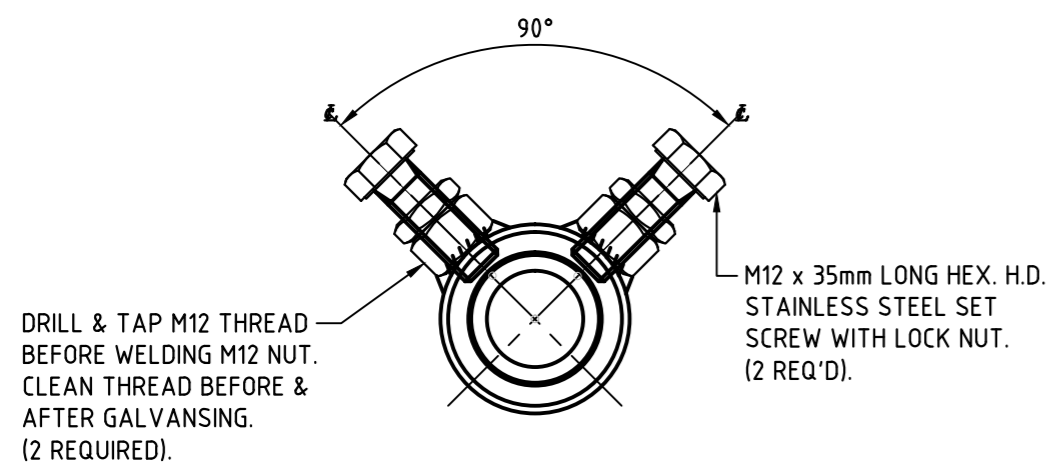
- S1. DESIGNER SAFETY REPORT - MECHANICAL WORKS - TRIM REFERENCE D16/145942  
THIS DESIGNER SAFETY REPORT CONSIDERS MECHANICAL DESIGN ISSUES ONLY AND DOES NOT ADDRESS ELECTRICAL, EARTHING ETC WHICH SHOULD BE ADDRESSED BY THE RELEVANT DESIGNER.
- S2. STANDARD INDUSTRY HAZARDS & RISKS WILL STILL EXIST WITH THESE DESIGNS BUT MAY NOT BE NOTED IN THE DESIGNER SAFETY REPORT. THE REPORT INCLUDES ONLY UNUSUAL OR ATYPICAL RISKS ASSOCIATED WITH THE DESIGN.
- S3. ALL WORK TO BE UNDERTAKEN IN ACCORDANCE WITH WHS LEGISLATION, WORKCOVER REQUIREMENTS, AUSGRID'S ELECTRICAL SAFETY RULES, BE SAFE PROCEDURES, NETWORK STANDARDS AND ALL OTHER SAFETY PLANS/PROCEDURES AND SWMS.

**REFERENCE DRAWINGS**

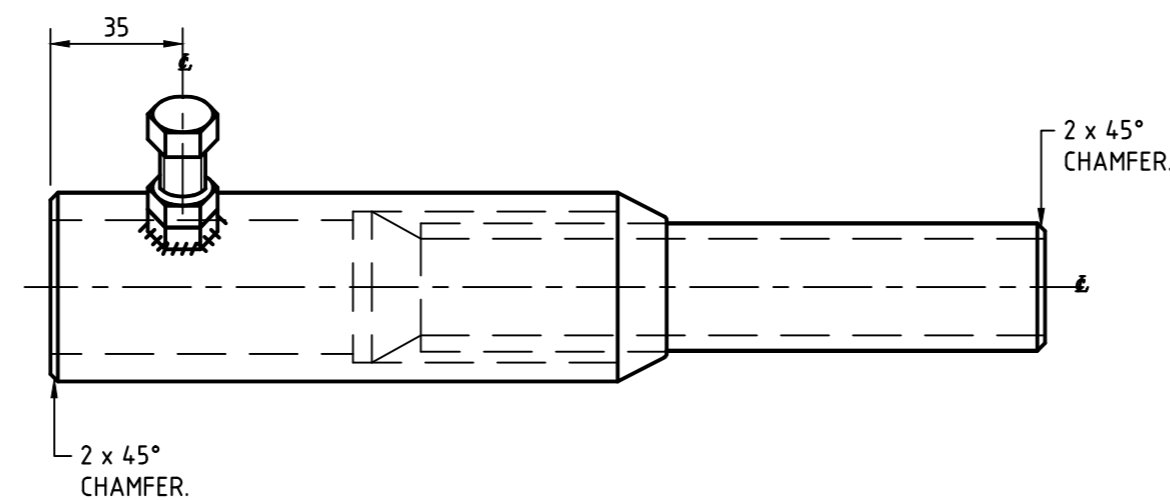
STEEL CURVED BRACKET ARM STANDARD IN-GROUND MOUNTED	B1-66272
STEEL CURVED BRACKET ARM STANDARDS BASEPLATE MOUNTED	B1-66273
STEEL STANDARDS 4.5m OR 6.0m OUTREACH IN-GROUND MOUNTED	B1-66637
STEEL STANDARDS 4.5m OR 6.0m OUTREACH BASEPLATE MOUNTED	B1-115041

**NOTES**

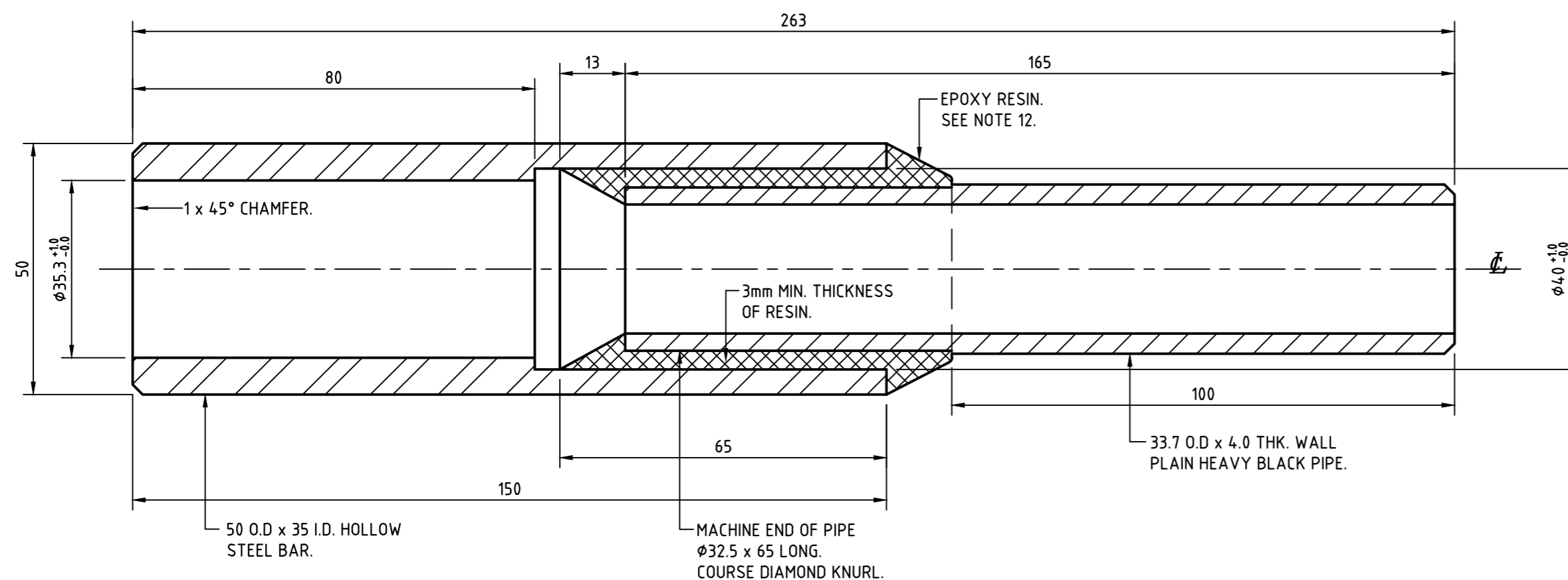
1. ALL STEELWORK TO BE FABRICATED IN ACCORDANCE WITH AS 3990.
2. UNLESS NOTED OTHERWISE, ALL HOLLOW SECTIONS TO BE GRADE 250 MINIMUM.
3. AFTER FABRICATION, ALL BURRS AND SHARP EDGES TO BE REMOVED.
4. ALL WELDING TO BE IN ACCORDANCE WITH AS 1554 PART 1.
5. CONSUMABLES (ELECTRODES) SHALL BE MATCHED WITH 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.
6. UNLESS NOTED OTHERWISE:
  - (a) ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELDS, CATEGORY GP.
  - (b) BUTT WELDS SHALL BE CONTINUOUS FULL PENETRATION, CATEGORY SP.
  - (c) ALL WELDS TO BE CARRIED OUT IN THE SHOP UNLESS NOTED AS 'WELD ON SITE'.
7. 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.
8. AFTER FABRICATION, ALL WELDS TO BE CHIPPED FREE OF SLAG.
9. STEELWORK TO BE HOT DIP GALVANISED TO AS 4680 BEFORE MOULDING.
10. AFTER GALVANISING, ALL HOLES TO BE CLEARED, SHARP EDGES TO BE REMOVED & EXCESS GALVANISING REMOVED FROM MATING PARTS.
11. 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.
12. EPOXY RESIN TO HAVE MINIMUM COLD CURING PROPERTIES EQUIVALENT TO CIBA-GEIGY ARALDITE LC 177 RESIN AND HARDENER.
13. INSULATION LEVEL BETWEEN INNER AND OUTER TUBES SHALL BE TESTED AT 3500 VOLTS A.C. FOR ONE MINUTE TO A.S. 3100, SECTION 8. EVIDENCE OF COMPLIANCE SHALL BE PROVIDED.
14. IF ANY MATERIAL SIZE AS DETAILED ON THIS DRAWING IS TO BE CHANGED, PRIOR APPROVAL MUST BE OBTAINED FROM AUSGRID.



**LEFT SIDE VIEW**



**FRONT VIEW**



**SECTION THROUGH SPIGOT**

CAD DRAWING  
DO NOT MANUALLY AMEND  
AMENDMENTS  
0 ISSUED FOR CONSTRUCTION

NETWORK STANDARD  
**Ausgrid**  
570 GEORGE STREET  
SYDNEY, 2000

SCALE	1 : 1, 2
DESIGNED	PHIL HUDSON
DRAWN	COLIN SAWDY
CHECKED	GEORGE ANTONIOU
APPROVED	PHIL HUDSON
DATE	08.03.2016
TRIM REF	2016/2589
PROJECT NUMBER	121150120

STREET LIGHTING  
33.7mm INSULATED SPIGOT  
CLAMP TYPE FOR  
STREET LIGHTING COLUMNS  
ARRANGEMENT AND DETAILS

SIZE	DRAWING No	SHEET	AMD
A2	240795	1	0

