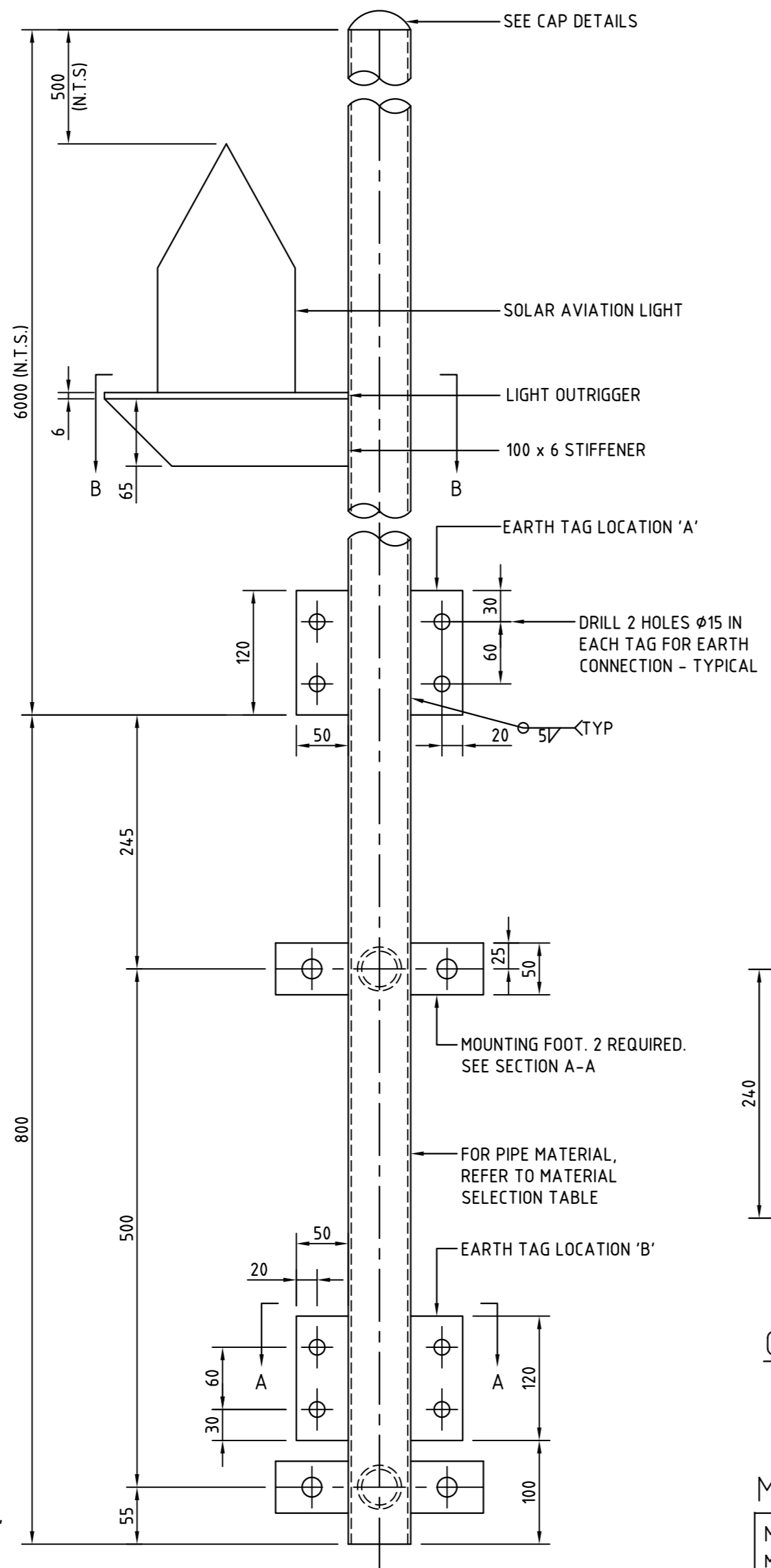
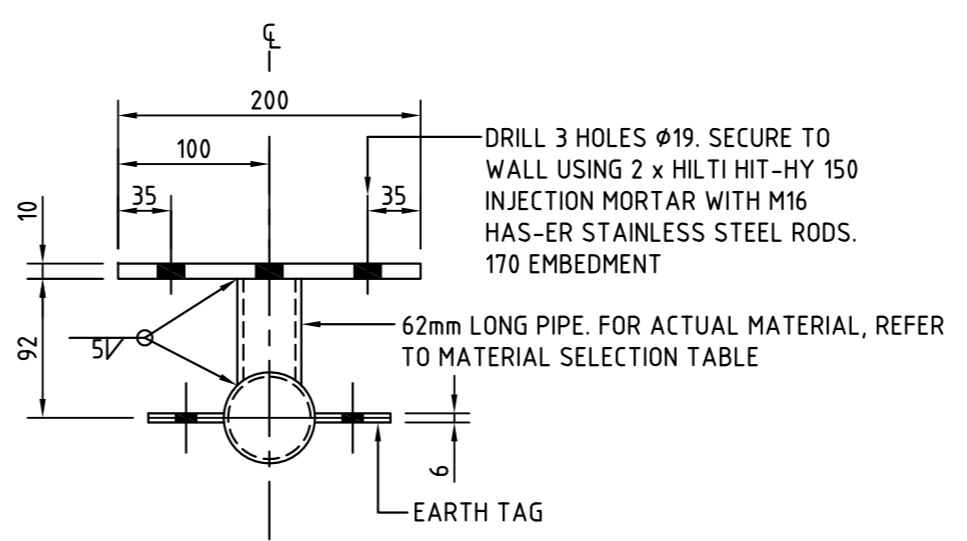


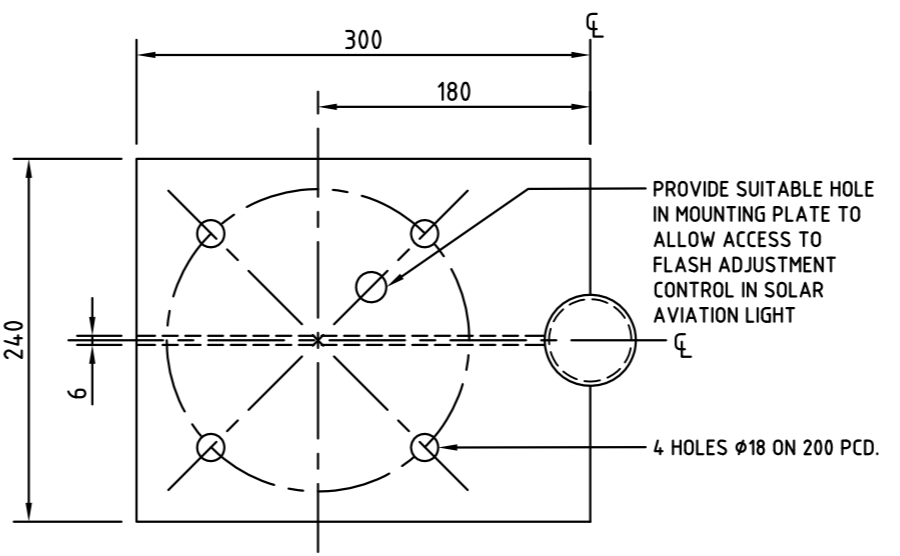
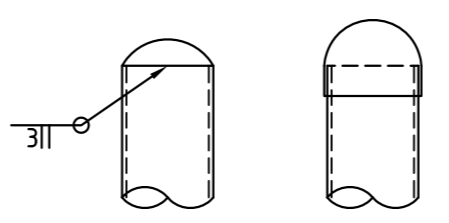
GENERAL ARRANGEMENT
REFER TO ELECTRICAL LAYOUT OF EQUIPMENT DRAWING FOR LOCATION AND NUMBER OF LIGHTNING MASTS REQUIRED.



MAST
MATERIAL: REFER TO ADJACENT TABLE.
EARTH TAGS TO BE POSITIONED AT BOTH 'A' AND 'B' LOCATIONS. REFER TO GENERAL ARRANGEMENT & RELEVANT ELECTRICAL LAYOUT DRAWING



SECTION A - A



SECTION B - B
OPTIONAL SOLAR AVIATION LIGHT MOUNTING PLATE

MATERIAL SELECTION TABLE

MILD STEEL MAST - HOT DIP GALVANISED
MAST - 60.3 x 2.9 CHS
SPACER - 42.4 x 4 CHS
TAG - M.S. BAR
FEET - M.S. BAR
LIGHT MOUNT - M.S. PLATE

GENERAL NOTES

- ALL STEEL WORK TO BE FABRICATED IN ACCORDANCE WITH AS 4100.
- AFTER FABRICATION, ALL BURRS AND SHARP EDGES TO BE REMOVED.
- QUANTITIES STATED ARE FOR ONE COMPLETE STRUCTURE.

MILD STEEL NOTES

- UNLESS NOTED OTHERWISE:
 - ALL HOT ROLLED FLATS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 1544.
 - 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.
- ALL WELDING TO BE IN ACCORDANCE WITH AS 1554 PART 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 IN 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.
- 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 ZINCIFIX. COATINGS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS.
- ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED TO AS 1214.
- ALL BOLTS TO BE GRADE 4.6/s TO AS 1111.

FIRST USED AT HZ257 BROADMEADOW

AS EXECUTED

CAD DRAWING DO NOT MANUALLY AMEND	AMENDMENTS
	DWN: MS CHKD: MS
DATE: 22/10/10 ISSUED FOR CONSTRUCTION	0
AUTH'D by: DWN: JK CHKD: MS	1
DATE: 14/02/11 REVISED AS CLOUDED	1
AUTH'D by: DWN: JF CHKD: MS	2
DATE: 27/08/12 ISSUED AS EXECUTED	2
AUTH'D by:	

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Ausgrid

DESIGN & ENGINEERING BRANCH
145 NEWCASTLE RD WALLSEND, NSW 2287
Ph 02 4951 9388
Fax 02 4951 9389

SCALE	1:20, 5
DESIGNED	LINDSAY & DYNAN
DRAWN	LINDSAY & DYNAN
CHECKED	
APPROVED	
DATE	
PRJTRK No.	-
PROJECT NUMBER	

OUTDOOR SUBSTATIONS REINFORCED BLOCKWORK TX BAY WALLS WALL MOUNTED LIGHTNING MAST 6m SPIRE ARRANGEMENT AND DETAILS	DRAWING No 211846	SHEET 1	AMD 2	SIZE A2
--	--------------------------	---------	-------	---------