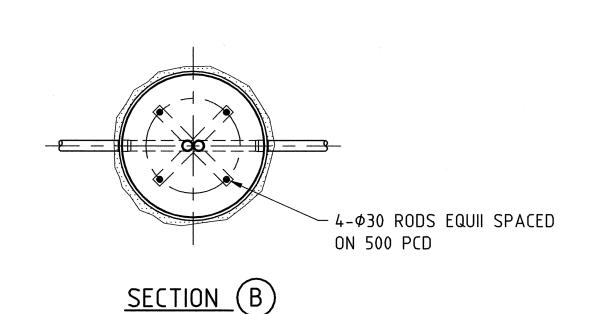
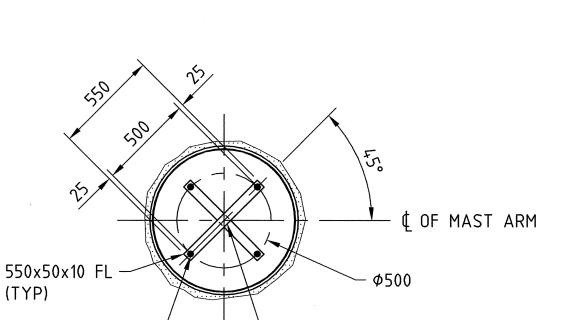


1:50

DESIGN CRITERIA

1. DESIGNED FOR TERRAIN CATEGORY 2 WINDS IN REGION A. AS DEFINED IN AS 1170.2.





 \bigcirc TYP

COLUMN & FOOTING

SECTION A

φ65 PVC TUBE FILLED — - φ30 SPRING - MAST COLUMN BY TAPERLINE OR SIMILAR WITH GRAPHITE GREASE WASHER APPROVED (BASEPLATE REMOVED) (NOTE:-ASSUMED MAX DIAMETER AT BASE IS ϕ 211) φ30 OVERSIZED -FOR STEEL WASHER TREATMENT $4 - \phi 35$ SLOTTED HOLES REFER TO - 219.1 OD x 8.0 CHS ¢ OF MAST ARM EQUII SPACED ON 500 PCD NOTE 3.9 **EXTENSION** — PAVING 130 LONG THREAD ─ - BASEPLATE TO SUIT M30 NUT φ30 ROD -219.1 OD x 8.0 CHS ROAD SURFACE LEVELING NUT **EXTENSION** Φ600 25 NOM. NON SHRINK <u>PLAN</u> - PROVIDE BACKING PLATE AS GROUT REQUIRED TO UNDERTAKE FULL MAST COLUMN BY TAPERLINE -STRENGTH BUTT WELD AUST PTY LTD OR SIMILAR 50 NB ELECTRIC CONDUIT WITH APPROVED) 90° x 50 NB 'RADIUS 300' BEND. CAP MAST END OF CONDUIT TO PREVENT INGRESS OF FOOTING 219.1 OD x 8.0 CHS -- 4x4 CHAMFER CONCRETE (TYPICAL) **EXTENSION** ALL ROUND $4-\phi30$ RODS x 2000 LONG WITH 130 THREADED END. CHAIR RODS AS REQUIRED TO MAINTAIN VERTICAL POSITION WHEN PLACING CONCRETE. HEL-COR ϕ 750 (68x13x3.0 THICK) Φ223 ///>\\ GALVANISED STEEL PIPE BY HOLE INGAL CIVIL PRODUCTS OR Φ600 x 25 PL SIMILAR APPROVED. BASEPLATE BASEPLATE Φ750 NOM. x 2100 DEEP **ELEVATION** <u>NOTE</u> :-UNREINFORCED CONCRETE IF PROPOSED FOOTING CLASHES WITH EXISTING OVER EXCAVATION TO BE FOOTING SERVICES THEN THE DESIGN ENGINEER SHALL FILLED WITH WEAK MIX BE NOTIFIED FOR ALTERNATIVE DESIGN ADVICE. BASEPLATE AND CHS EXTENSION DETAIL CONCRETE DETAIL 1 1:10

GENERAL NOTES

1. GENERAL

- 1.1 ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION AND THE OCCUPATIONAL SAFETY AND HEALTH ACT 1984.
- 1.2 NO CHANGES TO DESIGN DETAILS SHALL BE ADOPTED DURING CONSTRUCTION WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER.

2. CONCRETE

2.1 CONCRETE SHALL BE CLASS N25 IN ACCORDANCE WITH THE SPECIFICATION.

IN ACCORDANCE WITH AS/NZS 1111 AND AS/NZS 1112.

2.2 WEAK MIX CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 15 MPa AT 28 DAYS.

3. STEELWORK

- 3.1 ALL WELDING SHALL BE STRUCTURAL PURPOSE IN ACCORDANCE WITH AS/NZS 1554 AND THE SPECIFICATION.
- 3.2 ALL RODS WITH THREADED ENDS SHALL BE SUPPLIED WITH NUTS & WASHERS WHERE SHOWN.
 ALL NUTS AND WASHERS SHALL BE COMMERCIAL GRADE (GRADE 4.6S) IN
- 3.3 ALL RODS SHALL BE DIAMETER 30 UNLESS OTHERWISE SHOWN AND SHALL BE GRADE 300 IN ACCORDANCE WITH AS/NZS 3679.1.
- 3.4 AFTER FABRICATION STEELWORK SHALL BE HOT-DIP GALVANISED AS FOLLOWS:
 3.4.1 NUTS, WASHERS AND RODS (THREADED) IN ACCORDANCE WITH AS 1214.
 AFTER GALVANISING ALL THREADED COMPONENTS SHALL BE ABLE TO BE ASSEMBLED BY HAND.
 - 3.4.2 ALL OTHER STEELWORK IN ACCORDANCE WITH AS/NZS 4680.
- 3.5 ALL STRUCTURAL STEEL HOLLOW SECTIONS SHALL BE MINIMUM GRADE C350 IN ACCORDANCE WITH AS 1163.
- 3.6 ALL STRUCTURAL STEEL PLATE SHALL BE MINIMUM GRADE 250 IN ACCORDANCE WITH AS/NZS 3678.
- 3.7 ALL STRUCTURAL STEEL FLAT (MERCHANT BAR) SHALL BE MINIMUM GRADE 300 IN ACCORDANCE WITH AS/NZS 3679.1.
- 3.8 FABRICATION SHALL COMPLY WITH THE REQUIREMENTS OF AS 4100 SECTION 14 & 15 STEEL STRUCTURES.
- 3.9 AFTER ERECTING MAST COLUMN, ALL STEEL SURFACES 20mm BELOW TOP OF PAVING TO BE CLEANED AND LIGHTLY SANDED PRIOR TO APPLYING 1 COAT (150 MICRONS DRY) OF ALTEX ALTRA-SHIELD 2000, COLOUR BLACK, (OR SIMILAR APPROVED) TO MANUFACTURERS SPECIFICATIONS. THEN AFTER 10 HOURS PLACE A LAYER OF GRAPHITE GREASE TO COATED SURFACES PLUS PLACE PVC TUBES OVER \$\phi 30\$ RODS AND FILL WITH GRAPHITE GREASE. COATING & GRAPHITE GREASE NOT TO BE VISIBLE ABOVE PAVING/GROUND.

4. ERECTION

4.1 CONCRETE FOOTING TO BE IN PLACE (INCLUDING WEAK MIX CONCRETE UP TO TOP OF FOOTING & GROUTING BENEATH BASEPLATE) FOR A MINIMUM OF 5 DAYS PRIOR TO ERECTION OF MAST ARM ASSEMBLY.

