



- NOTES**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH SPECIFICATION MA/1.
 - ALL WELDS TO BE IN ACCORDANCE WITH AS 1554 PART 1.
 - REMOVE ALL BURRS, SHARP EDGES AND WELDING SCALE.
 - FINISH: HD GALVANISED, TO BE IN ACCORDANCE WITH AS/NZS 4680.
 - ALL THREADS TO BE CLEARED AFTER GALVANISING.
 - ITEM 7 TO BE SCREWED AND TIGHTENED IN ITEM 6 BEFORE DELIVERY.
 - a) OUTER SURFACE OF ITEM 2 TO BE FREE OF EXCESS GALVANISING AND SEAMWELD TO BE GROUND FLUSH WITHIN 550mm FROM END, TO ENSURE A SMOOTH SURFACE AND TO STAY WITHIN THE LIMITS OF THE STATED TOLERANCE.
b) ROUNDNESS TOLERANCE (OVALITY) AT END OF ITEM 2 TO BE WITHIN MAJOR ϕ 137.2 & MINOR ϕ 135.2.
c) CIRCUMFERENCE (OUTSIDE) AT END OF ITEM 2 TO BE 428 \pm 1.0.
 - ITEMS 6, 8, 9, 10 & 11 TO BE SUPPLIED FITTED TO EACH LUG AS SHOWN BEFORE DELIVERY.
 - LOWER 400mm OF POLE TO BE TREATED AS FOLLOWS:
PAINT INSIDE & OUTSIDE WITH LITHOFORM NO 2 OR GALVAPREP;
WASH WITH WATER AND APPLY ONE COAT OF DULUX AMERLOCK 400 BLACK OR GREY, OR AN APPROVED EQUIVALENT BEFORE DELIVERY.
 - MOUNTING SURFACE OF LUG AND MAST ARM SURFACE TO BE 90° \pm 0.5°. THREADED HOLE IN MOUNTING LUG TO BE 90° \pm 0.5° IN RELATION TO MOUNTING SURFACE.
 - A PAIR OF LOCK WASHERS (ITEM 11) SHALL BE FITTED TO EACH LUG ASSEMBLY (DIMPLE TO DIMPLE).

ITEM	DESCRIPTION	MATERIAL	FINISH	QTY
11	LOCK WASHER - REFER TO PLAN VM200-24	STAINLESS STEEL	NATURAL	32
10	SPRING WASHER FOR M12 AS 1968	SPRING STEEL	GALV TO AS1214	16
9	FLAT WASHER FOR M12 TO AS 1237	MILD STEEL	GALV TO AS/NZS4680	16
8	HEXAGON HEAD SET SCREW M12 x 60 TO AS 1111	MILD STEEL	GALV TO AS1214	16
7	HEXAGON HEAD SET SCREW M12 x 30 TO AS 1111	MILD STEEL	GALV TO AS1214	1
6	HEXAGON NUT M12 AS 1112	MILD STEEL	GALV TO AS1214	34
5	PLATE 3mm THICK - REFER DETAIL 'A'	MS PLATE	HOT DIP	2
4	MOUNTING CHANNEL 178x76x6 MS CH - REFER DETAIL 'A'	MILD STEEL	GALVANISED	1
3	MOUNTING LUG - REFER DETAIL 'D' TO AS 1442/AS 3679	MS PLATE	REFER	16
2	TUBE 5.0mm MIN WALL THICKNESS TAPER 1:100 ON DIAMETER	HR 340 TO AS1594	NOTES 2	1
1	BASE PLATE - REFER SECTION C-C & SECTION Y-Y	MS PLATE	TO 5	1

C ISSUE 1999-04-22
 J/1 TC2826
 5 LUGS ADDED TO COLUMN. QUANTITIES OF ITEMS 6, 8, 9, 10 & 11 CHANGED TO SUIT PLAN REDRAWN.
 SECTION C-C ADDED. BWT.
 H ISSUE 1999-11-02
 J/1 TC2987 ITEM 2 WAS 4.8mm MIN THICK RVC BWT.
 I ISSUE 2006-01-09 DIM FROM BASE PLATE TO LOWER MTC LUGS WAS 2300mm. BWT.
 J ISSUE 11-03-13 REFERENCE FOR UPPER LANTERN SUPPORT WAS VM211-25. L.C.
 K ISSUE 27-02-14 EXTRA LUG ADDED TO MAST. QTY OF ITEMS 3,6,8,9,10 & 11 REVISED. BWT. L.C.

DRILL 2 HOLES ϕ 21 & WELD IN ITEM 6, ANGULAR TOLERANCE TO HORIZONTAL ϕ \pm 0.5°

DIMENSIONS IN MILLIMETRES

SUPPLY CATALOGUE NO. 1823 3622

REFERENCE DRAWINGS	DRAWN	DATE
UPPER MAST ARM TYPE 5L VM211-23	I. HAYES	1989-08-16
UPPER MAST ARM TYPE 5S VM211-24	CHECKED RVC	
UPPER LANTERN SUPPORT VM215-6	PASSED B. TAYLOR	1989-12-08
MECH. ASSY OF M.A. VM211-26	APPROVED	
LOCK WASHER VM200-24	FR HULSCHER	1989-12-08

ROADS AND TRAFFIC AUTHORITY NSW
 TRAFFIC SIGNALS

MECHANICAL DETAILS OF
 MAST ARM TYPE 5
 MAST COLUMN

SHEET SIZE A1
 FILE NO 78M2108
 SCALE 1:20 OR AS SHOWN
 SHEET NO —

SUPERSEDES: ISSUE F
 ISSUE ϕ H / ϕ K

REG NO VM211-22