

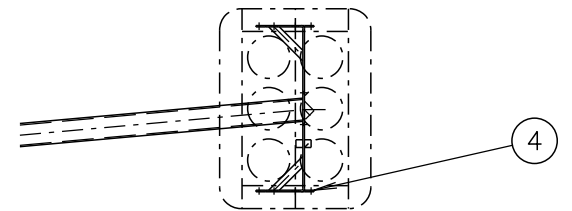
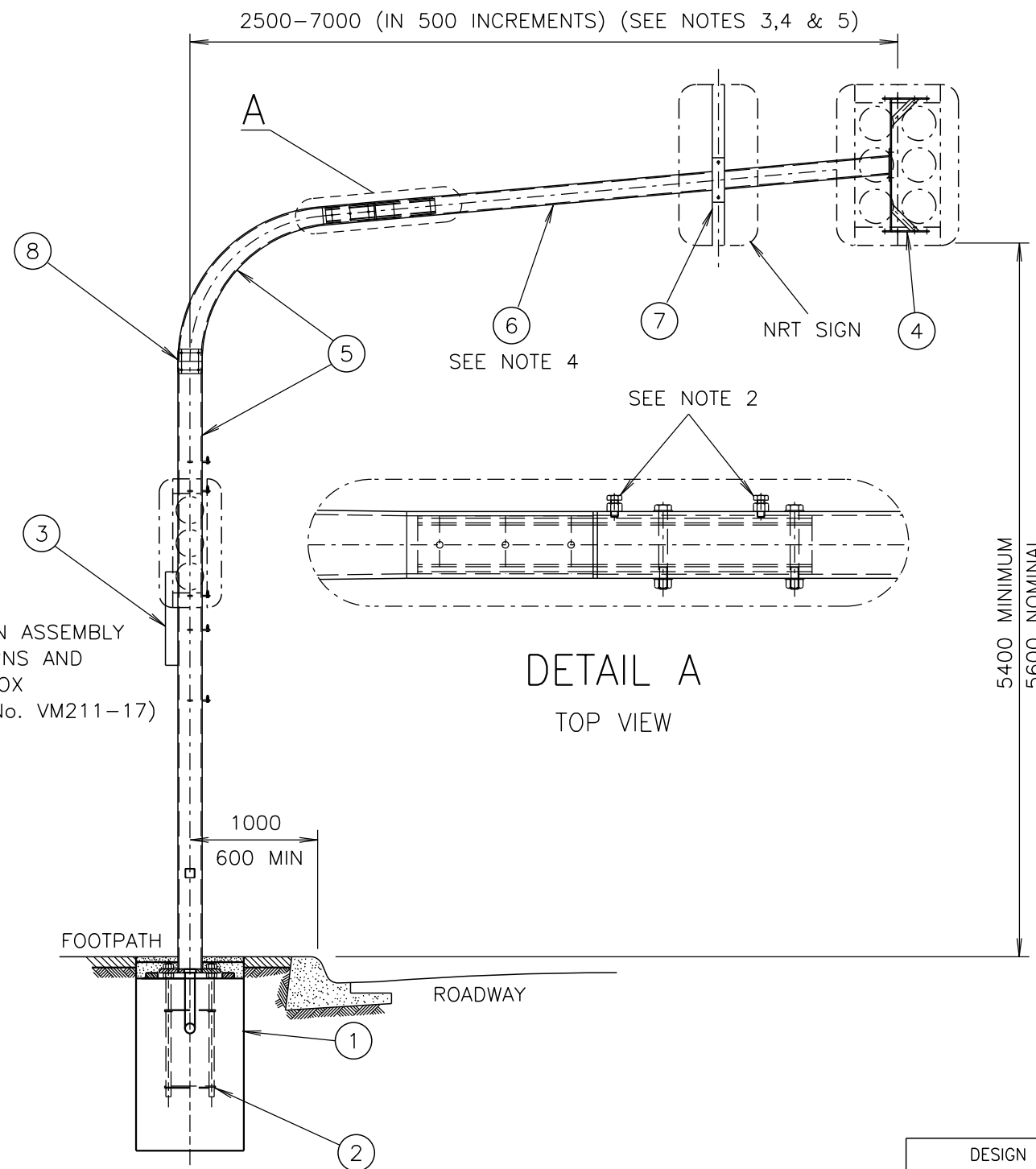
SIGNAGE PERMITTED ONLY IN REGION A  
(SEE NOTE 1)

IF INSTALLED IN REGION A, THE SIGNAGE  
SIZE SHALL BE AS FOLLOWS:

- MAX. AREA OF SIGN A = 2.6 m<sup>2</sup>
- MAX. LENGTH OF SIGN L = 2.83 m
- MAX. DEPTH OF SIGN D = 1.4 m

### NOTES

1. LOADING RESTRICTIONS APPLY WHEN THE TYPE 9 MAST ARM IS USED IN REGION B, ALTHOUGH THE TYPE 9 MAST ARM IS DESIGNED TO AS 2979-1998 (TRAFFIC SIGNAL MAST ARMS), FOR USE IN BOTH REGIONS A & B AS DEFINED IN AS 1170.2-1989 (LOADING CODE PART 2: WIND LOADS).  
IN REGION B, NO SIGNAGE (EXCEPT THE NRT SIGN, ITEM 7) SHALL BE INSTALLED ON THE MAST ARM.
2. WHEN THE OUTREACH ARM IS ATTACHED TO THE COLUMN, THE 2 x M16 SCREWS AND NUTS SHALL BE TIGHTENED AND LOCKED TO PREVENT ARM RATTLE.
3. THE UPPER LANTERN SUPPORT CAN BE MOUNTED IN THE ALTERNATIVE POSITION. THIS, WITH THE CHOICE OF LUGS, WILL PROVIDE A VARIATION OF ±200 mm FROM THE END OF THE ARM TO LOCATE THE LANTERN(S) AS CLOSE AS POSSIBLE TO THE CENTRE OF THE TRAFFIC LANE.
4. THE FINAL SELECTION OF THE OUTREACH ARM (LENGTH) SHALL BE DETERMINED ON SITE, ONCE THE FOOTING EXCAVATION IS MADE AND THE TRAFFIC LANE WIDTHS CHECKED.
5. THERE IS A RANGE OF 10 ARMS (ITEM 6) FROM 1000-5500 mm (IN 500 mm INCREMENTS). WITH THE FIXED 1500 mm SECTION OF THE MAST, THE OUTREACH RANGE WILL BE 2500-7000 mm.




ALTERNATIVE POSITION  
OF UPPER SUPPORT  
BRACKET (SEE NOTE 3)

OVERALL OUTREACH	ARM LENGTH
7000	5500
6500	5000
6000	4500
5500	4000
5000	3500
4500	3000
4000	2500
3500	2000
3000	1500
2500	1000

ARM SELECTION  
SEE NOTES 4 & 5

DIMENSIONS IN MILLIMETRES

ITEM	DESCRIPTION
8	SIGNAGE GENERAL ARRANGEMENT (SEE DRG No ME10819)
7	LARGE NRT SIGN BRACKET (SEE No DRG ME10832)
6	OUTREACH ARM (SEE DRG No. VM215-3)
5	MAST COLUMN (SEE DRG No. VM215-2)
4	UPPER LANTERN SUPPORT (SEE DRG No. VM215-4)
3	TERMINAL BOX (SEE DRG No. VM015-22)
2	HOLDING-DOWN BOLT DETAILS (SEE DRG No. VC002-38)
1	FOOTING (SEE DRG No. VC002-72)

DESIGN INFORMATION - MECHANICAL ENGINEERING SECTION	
DESIGN JOB No.	002783
MASS OF STRUCTURE	570-690 kg
MASS OF ANCHOR BOLTS	40 kg
MASS OF REINFORCEMENT	N/A
VOLUME OF CONCRETE	0.97 m <sup>3</sup>
ORIGINAL DESIGN BY MECH ENGINEERING SECTION 52 ROTHSCHILD AVENUE ROSEBERY NSW 2018 PHONE (02) 9662-5204 FACSIMILE (02) 9662-5411	 Quality Endorsed Company ISO 9001 Lic QEC 7443 Standards Australia
ORIGINAL REFERENCES MECHANICAL ENGINEERING SECTION	MES DWG ME10754 SH1 ISSUE E
	DESIGN RTA CHECKED JE
	DRAWING HA CHECKED JE
	APPROVED RK 22-12-1998

A ORIGINAL ISSUE B ISSUE 22-03-2016 FOOTING CAVITY REMOVED. REF. TO FOOTING WAS VC002-52. BWT IH	REFERENCE DRAWINGS			
	TERM BOX MECH	VM015-22	NRT SIGN BRACKET	ME10832
	MAST COLUMN	VM215-2	SIGN ARRANGEMENT	ME10819
	OUTREACH ARM	VM215-3	BOLT ASSEMBLY	VC002-38
	UPPER SUPPORT	VM215-4	FOOTING	VC002-72
	ID PLATE	VM215-5		
	TERM BOX ASSBLY	VM211-17		

ROADS AND MARITIME SERVICES TRAFFIC SIGNALS			
GENERAL ARRANGEMENT TYPE 9 MAST ARM			

SCALE		APPROVED: 11-02-2000 MANAGER T YUNG
SUPERSEDES: ME10754 SH 1		EQUIPMENT & STANDARDS
DRAWN	RVC 10-05-99	ISSUE
CHECKED	GWD 30-12-99 MECH ENG SECTION	A B
PASSED	BWT 09-11-99	

SCALE		APPROVED: 11-02-2000 MANAGER T YUNG
SUPERSEDES: ME10754 SH 1		EQUIPMENT & STANDARDS
DRAWN	RVC 10-05-99	ISSUE
CHECKED	GWD 30-12-99 MECH ENG SECTION	A B
PASSED	BWT 09-11-99	

VM215-1