



NOTES:

1. FOR A SINGLE PIECE ARM, DELETE ALL INFORMATION PERTAINING TO A TWO OR THREE PIECE ARM.
2. ARM LENGTHS 50' OR LONGER SHALL BE OF BUTT SECTION AND EXTENSION SECTION DESIGN.
3. ALL HOLES LOCATED IN THE EXTENSION SECTION(S) AND THE FLANGE PLATE MUST BE DRILLED BEFORE GALVANIZING.
4. NO HOLES SHALL BE DRILLED IN THE BUTT SECTION OF TWO OR THREE PIECE ARMS AT THE TIME OF FABRICATION.
5. ALL TWO OR THREE PIECE MAST ARM EXTENSION SECTIONS SHALL BE MADE OF SEVEN (7) GAUGE STEEL.
6. SPLICE STUDS SHALL NOT BE CUT IN THE FIELD.

ARM LENGTH	ARM LENGTH (WALL THICKNESS x O.D. AT FLANGE x O.D. AT ARM END x SECTION LENGTH)
38'-0"	SEVEN (7) GAUGE x 9" x 3.68" x 38'-0"
50'-0"	(BUTT) THREE (3) GAUGE x 10" x 5.80" x 30'-0" (EXT. 1) SEVEN (7) GAUGE x 6.37" x 3.36" x 21'-6"
60'-0"	(BUTT) THREE (3) GAUGE x 12.5" x 7.60" x 35'-0" (EXT. 1) SEVEN (7) GAUGE x 8.24" x 4.50" x 26'-9"
70'-0"	(BUTT) THREE (3) GAUGE x 12.5" x 7.60" x 35'-0" (EXT. 1) SEVEN (7) GAUGE x 8.24" x 4.50" x 26'-9" (EXT. 2) SEVEN (7) GAUGE x 5.11" x 3.50" x 11'-6"

SPECIFICATION 818	CATEGORY CODE ITEMS
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 7-1-94
	REVISIED 5-17-07
	REVISIED

**Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION**
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

MAST ARMS

STANDARD NO.

MD 818.13