



MAXIMUM ALLOWABLE STATIC DEFLECTION\* AT END OF MAST ARM WITH SIGNAL HEAD ASSEMBLY AND SIGNS INSTALLED SHALL BE 10 INCH (NOT INCLUDING POLE DEFLECTION.)

MAXIMUM ALLOWABLE STATIC DEFLECTION\* AT TOP OF STANDARD WITH MAST ARM, SIGNAL HEAD ASSEMBLY & SIGNS INSTALLED SHALL BE 3 IN.

SEE DETAIL "B"

MAXIMUM WEIGHT - 20 LB.

10'-0" MAX. WT. - 60 LB.

SEE DETAIL "A" EACH SIGN MOUNTING 10-SQ. FT. WIND LOADING\*

SIGNAL MOUNTING 10-SQ. FT. WIND LOADING\* AT END OF MAST ARM

END OF MAST ARM SHALL MAINTAIN 2" (MIN.) RISE WITH THE HORIZONTAL AFTER STATIC DEFLECTION

PROVIDE REMOVABLE CAP FOR END OF MAST ARM

4 1/4"

DETAIL "A" 2" PIPE TENON FOR SIGNAL HEAD MOUNTING

TAPERED SIGNAL MAST ARM - 25' NOMINAL HORIZONTAL SPAN WITH RAIN TIGHT CONNECTION AT POLE

SIGNAL MOUNTING - 7 SQ. FT. WIND LOADING\* ON STANDARD

MAST ARM SHALL EXTEND THRU MOUNTING FLANGE AND SHALL BE WELDED TO BOTH SIDES OF FLANGE

"POST NO BILLS" DECAL

DETAIL "B" MAST ARM ATTACHMENT TO MOUNTING FLANGE

FURNISH 4" x 6 1/2" HAND HOLE WITH COVER ON SIDE OF POLE NORMALLY AWAY FROM CURB

FURNISH BASE FLANGE WITH 1 1/2" DIAMETER BOLT CIRCLE

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT.

- NOTE: 1. THE MATERIAL WILL BE ORDERED WITH EITHER A POWDER COAT FINISH OR GALVANIZED. ALL EXTERIOR SURFACES SHALL BE COATED WITH TRIGLYCIDYL ISOCYANURATE, (TGIC), POLYESTER POWDER, (OR EQUIVALENT), TO A MINIMUM DRY FILM THICKNESS OF 3 MILS. IN ACCORDANCE WITH 5A OR 5B OF ASTM-D33359. THE COLOR SHALL BE THE CITY OF OAKLAND'S, "BOXWOOD GREEN." THE INNER SURFACE SHALL BE COATED WITH A LONG OIL ALKYD TO A MINIMUM DRY FILM THICKNESS OF 2 MILS. GALVANIZING SHALL BE HOT DIPPED IN ACCORDANCE WITH ASTM-A123.
2. BEFORE FABRICATION, THE MANUFACTURER SHALL SUBMIT FOR APPROVAL CALCULATIONS FOR THE STANDARD AND MAST ARM, SUPPORTING THE SPECIFIED SAFETY FACTORS.
3. \*WIND LOADING SHALL BE CALCULATED BASED ON 30 POUNDS PER SQUARE FOOT OF PROJECTED AREA.
4. ALL DEAD-LOAD DEFLECTION CALCULATIONS SHALL INCLUDE A MINIMUM SAFETY FACTOR OF 1.5 AT ANY POINT ON THE MAST ARM OR STANDARD.

CITY OF OAKLAND	DESIGN AND CONSTRUCTION SERVICES DEPARTMENT	
	<p style="text-align: center;"><b>TRAFFIC SIGNAL STANDARD</b>  <b>22' - 6" MOUNTING HEIGHT</b>  <b>WITH 25' SIGNAL</b>  <b>MAST ARM</b></p>	
ELECTRICAL SERVICES MANAGER		DATE: OCT 95 DRWG.
REV. DATE: DEC 2002		E-82