



DETAIL "A"
NO SCALE



DETAIL "B"

SIGNAL ARM DATA			①
PROJECTED LENGTH	GAGE	MINIMUM O.D. @ POLE	MOUNTING HEIGHT
15'-0"	10 GA. ②	4.6"	22.3±'
18'-0"		5.2"	23.3±'
20'-0"	7 GA.	5.0"	

NOTES:

- ① ROUND TAPERED STEEL TUBE WITH MAXIMUM TAPER OF .15 INCHES PER FOOT. END SECTION O.D. OF 2-3/8" FOR MOUNTING HARDWARE. STANDARD 2" PIPE EXTENSIONS OF 1'-0" MAX. ON 6'-10" SIZED AND 3'-0" MAX. ON 12'-20" SIZES MAY BE USED AT THE OPTION OF MANUFACTURER.
- ② NO. 11 GAGE SHEET STEEL OF WELDABLE GRADE ACCEPTABLE IF THE STEEL AFTER FABRICATION HAS A MINIMUM YIELD STRENGTH OF 40,000 PSI.
- ③ FOUR ANCHOR BOLTS EACH BASE PLATE. *LENGTH INDICATED DOES NOT INCLUDE REQUIRED 4"-90° BEND. TOP THREADED 6" AND FURNISHED WITH 2 NUTS AND 2 WASHERS. ONE ANCHOR BOLT BONDED TO CONDUIT. ANCHOR BOLTS SHALL CONFORM TO THE SPECIFICATION OF ASTM A-307.
- ④ STANDARD STEEL PIPE 2.375" O.D. FOR LUMINAIRE ARM.

STANDARDS SHALL BE FABRICATED FROM (A) SHEET CONFORMING TO THE SPECIFICATIONS OF ASTM DESIGNATION: A 611, GRADE C, ASTM DESIGNATION: A570, GRADE C, OR FROM (B) SHEET METAL OF WELDABLE GRADE. IF ALTERNATIVE (B) IS USED, THE STEEL, AFTER FABRICATION, SHALL HAVE A MINIMUM YIELD OF 40,000 POUNDS PER SQUARE INCH.

ALL WELDING SHALL CONFORM TO AWS D2.0, "SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGE."

ALTERNATE DETAILS APPROVED BY THE ENGINEER MAY BE SUBSTITUTED FOR THE ARM CONNECTIONS AND CONFIGURATIONS SHOWN. FABRICATORS ELECTING TO USE LARGER THAN MIN. ARM DIAMETERS MUST ADJUST THE DETAILS AS REQUIRED TO PERMIT SOLID SEATING OF CAP SCREWS. IN LIEU OF TORQUE REQUIREMENTS FOR HS BOLTS, CAP SCREWS SHALL BE TIGHTENED BY THE TURN-OF-NUT METHOD 1/5 TURN FROM SNUG TIGHT CONDITION IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION SEC. 5. NO. WASHER WILL BE REQUIRED.

INSTALL 1" CONDUIT BEND IN FOUNDATION AND TYPE 2 PULLBOX FOR STREET LIGHTING WITH ELECTROLIER.

INSTALL 1-1/2" CONDUIT BEND IN FOUNDATION FOR TRAFFIC.



NO SCALE

ROUND TAPERED STEEL POLE				LUMINAIRE ARM LGT.	SIGNAL ARM LGT.	BASE PLATE				ANCHOR BOLTS ③	
HGT.	GAGE	MIN. O.D.				"a"	"b"	"c"	"t"	SIZE	BC
		BASE	TOP								
30'—0"	7 GA.	7—3/4"	3—7/8"	4'~8'	15'	11—½"	¾"	1—½"	1"	1—⅝"X40"	11—½"
				4'~8'	18'						
				4'~8'	20'						

DEPARTMENT OF PUBLIC WORKS

BUREAU OF STREET LIGHTING

CITY OF LOS ANGELES

STANDARD DRAWING NO.

CITY DESIGN NO. 954

LIGHTING STANDARD AND EQUIPMENT

L-103-0

SCALE: HEREON	DATE	REVISIONS						DATE <u>JULY 23</u> , 1973 SUBMITTED BY <u>Richard O. Shuman</u> ENGINEER
DESIGNED BY <u>Kit Moya</u>	7/23/73	NO.	DESCRIPTION	SR. TRAFFIC ENGINEER	B.S.L. ENGINEER	DIRECTOR	DATE	DATE <u>AUGUST 3</u> , 1973 APPROVED: <u>[Signature]</u> CITY TRAFFIC ENGINEER
DRAWN BY <u>R. H. MURASHIGE</u>								
CHECKED BY <u>E. Karamura</u>	7/11/73							DATE <u>AUGUST 6</u> , 1973 APPROVED: <u>[Signature]</u> DIRECTOR
	7/23/73							