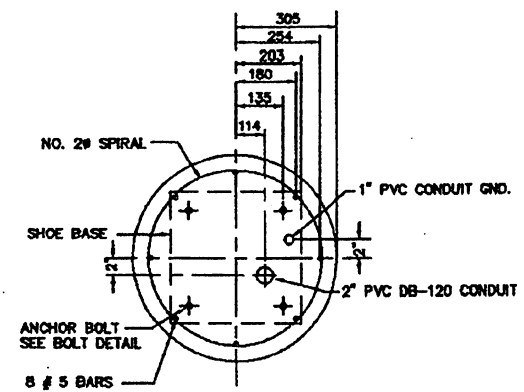


FRONT VIEW

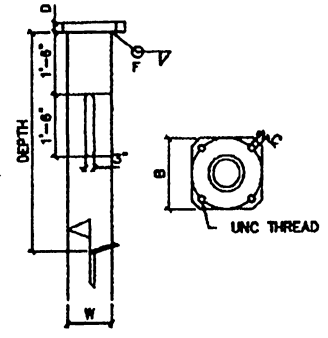
PRECAST BASE DETAIL

NOTES (FOR PRECAST CONCRETE BASE):

- 1- EXCAVATION SHALL BE PERFORMED WITH AN AUGER WITH A DIAMETER NOT GREATER THAN 0.62.
- 2- AFTER THE PRECAST CONCRETE BASE HAS BEEN LEVELLED TO A DEVIATION FROM LEVEL NOT GREATER THAN 3 MILLIMETERS WITHIN THE BASE DIAMETERS THE EXCAVATION SHALL BE BACKFILLED WITH SATURATED CLEAN SAND.
- 3- TWO B1 SHALL BE USED WHEN NO PULL BOX IS USED.
- 4- WIND LOAD FOR 110 MPH, $\phi 225.0 = 120$ P.C.F., $C = 100$ P.C.F. CONC. $F_c = 3000$ PSI CLASS A.



TOP VIEW (SHOE BASE)
NOT TO SCALE

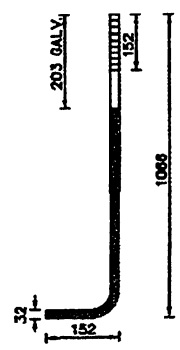
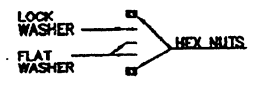


SPECIFICATION

DRILLED ANCHOR SHAFT IS FABRICATED FROM SCHEDULE 40 STEEL PIPE COMFORMING TO ASTM A-53, GRADE B.
 THE BASE PLATE IS FABRICATED FROM ASTM A-36 STEEL PLATE.
 WELDING IS IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS.
 PIPE SIZES SHOWN IN THE TABLE ARE STRUCTURAL MINIMUMS, HOWEVER, LARGER SIZE MAY BE SPECIFIED. THE USER WILL DETERMINE THE EXACT DEPTH AND SIZE REQUIRED TO MEET LOCAL SOIL CONDITIONS. (SEE FEDERAL HIGHWAY ADMINISTRATION REPORT, FHWA-RD-76-37, "SAFER SIGNS AND LUMINAIRE SUPPORTS").

MOUNTING HEIGHT	No. OF ARMS	DIMENSION INCHES					UNC
		A	B	C	D	W	
40'	1	14-1/2"	15"	1"	1"	10"	8"
	2			1-1/4"	1-1/4"		7"

ANCHOR PLATE DRILL ANCHOR



SPECIFICATIONS

ANCHOR BOLT SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF ASTM A-575 GR. 90 OR ASTM F1554, GR. 55. NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A AND ANSI B18.2.2 HEX TYPE.
 FLAT WASHER SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHER.
 LOCK WASHERS SHALL MEET THE REQUIREMENT OF ANSI 18.21.1 HEAVY WASHER.
 BOLTS, NUTS AND WASHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

ANCHOR BOLT, NUTS AND WASHER

NOTE:

UNLESS PROHIBITED ON THE PLANS, THE CONTRACTOR MAY ELECT TO USE THE PRECAST OR ANCHOR PLATE BASES IN LIEU OF THE CAST IN PLACE BASES.

EFFECTIVE DATE: DECEMBER 1998

COMMONWEALTH OF PUERTO RICO
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC WORKS
 HIGHWAY AND TRANSPORTATION AUTHORITY

HIGHWAY LIGHTING
 ALTERNATE BASES
 FOR ALUMINUM LIGHTING POLES

RECOMMENDED BY: *[Signature]*
 DESIGN AREA DIRECTOR
 DATE: *12-9-98*

APPROVED BY: *[Signature]*
 EXECUTIVE DIRECTOR
 DATE: *12-9-98*

APPROVED BY: *[Signature]*
 DIV. ADM. FHWA-PR DIVISION
 DATE: *12-9-98*

DATE	REVISION	BY
12-3-98	GENERAL REVISION	I.V.

STD. DWG. 17 OF 17