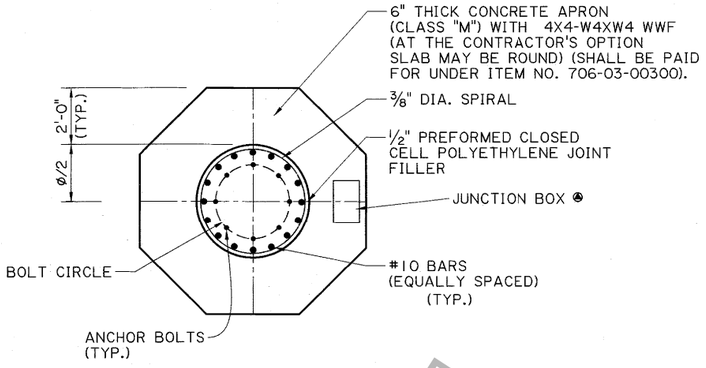
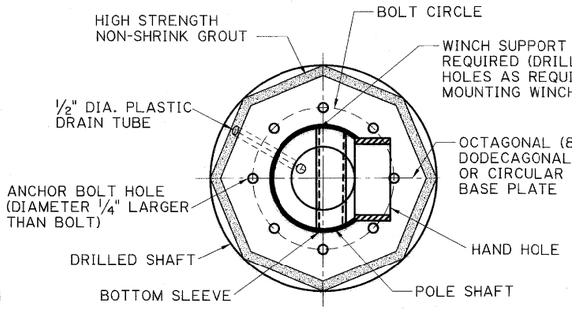


A TYPICAL SECTION AT B-B

(NOT TO SCALE)

MAXIMUM DESIGN LOADS FROM LUMINAIRE & LOWERING DEVICE		
NO. OF LUMINAIRES	EFFECTIVE PROJECTED AREA (EPA)	WEIGHT
6	20 SQUARE FEET	800 POUNDS
8	25 SQUARE FEET	900 POUNDS
12	35 SQUARE FEET	1000 POUNDS



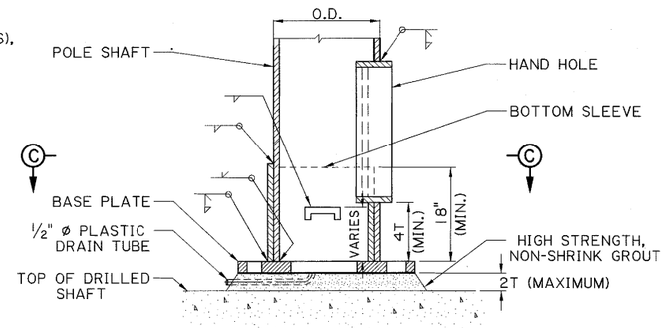
A TYPICAL SECTION AT C-C

(NOT TO SCALE)

MINIMUM FOOTING SIZE FOR DIFFERENT WIND SPEEDS										
POLE HEIGHT (FEET)	90 MPH POLE SHAPE				100 TO 110 MPH POLE SHAPE				120 TO 130 MPH POLE SHAPE
	8•	12△	16⊕	ROUND	8•	12△	16⊕	ROUND	ROUND
100	A	A	A	A	A	A	A	A	A
110	A	A	A	A	A	A	A	A	A
120	A	A	A	A	-	A	A	A	A
130	A	A	A	A	-	A	A	A	A
140	-	A	A	A	-	-	A	A	-
150	-	A	A	A	-	-	A	A	-

• - EIGHT SIDED △ - TWELVE SIDED ⊕ SIXTEEN SIDED

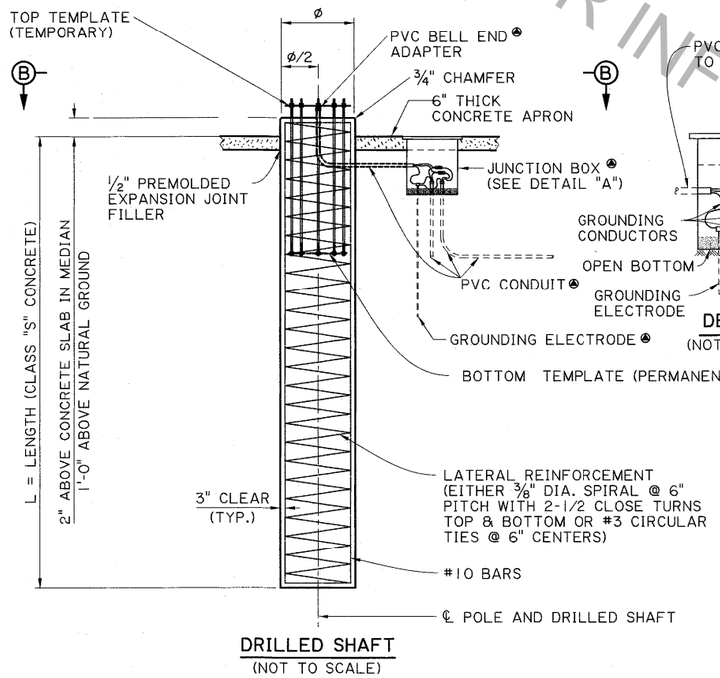
A = 4'-6" DIAMETER DRILLED SHAFT (REQUIRED AT LEAST 4 CSL TUBES)



A TYPICAL SECTION AT POLE BASE

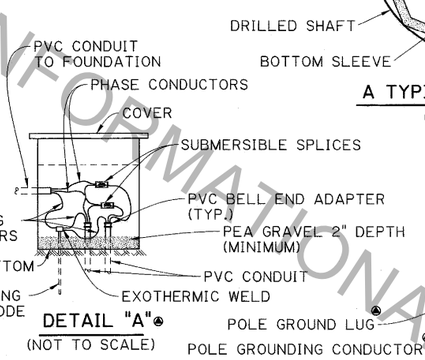
(NOT TO SCALE)

T = THICKNESS OF HEX NUT



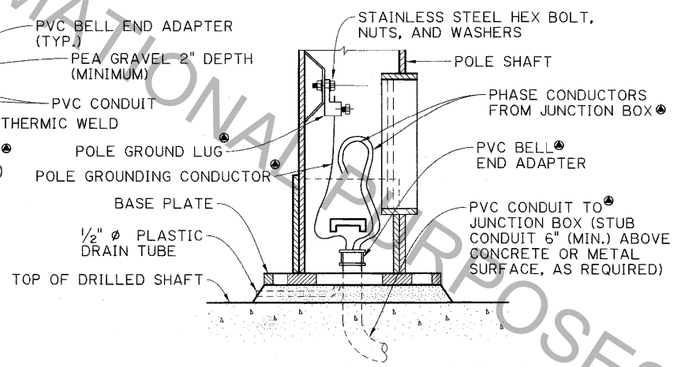
DRILLED SHAFT

(NOT TO SCALE)



DETAIL "A"

(NOT TO SCALE)



HIGH-MAST LIGHTING CONNECTIONS

(NOT TO SCALE)

NOTES :

SPIRAL BARS MAY BE SPLICED 1½ TURNS MINIMUM, AS REQUIRED.

THE SPLICE LOCATIONS FOR BOTH SPIRAL BARS AND #3 CIRCULAR TIES SHALL BE ALTERNATED.

CROSSHOLE SONIC LOGGING (CSL) TESTING FOR DRILLED SHAFTS SHALL BE PAID FOR UNDER ITEM NO. 803-08-00700, CROSSHOLE SONIC LOGGING (54" DIA.).

DRILLED SHAFT SHALL BE PAID FOR UNDER ITEM NO. 803-01-00700, DRILLED SHAFT (54" DIAMETER).

CONCRETE APRON SHALL BE PAID FOR UNDER ITEM NO. 706-03-00300, INCIDENTAL CONCRETE PAVING (6" THICK).⊖

● ALL ELECTRICAL EQUIPMENT, GROUNDING MATERIAL, JUNCTION BOXES, CONDUIT, WIRING, ETC. SHALL BE AS PER ELECTRICAL PLANS AND PAID FOR UNDER APPLICABLE ELECTRICAL PAY ITEMS.

ESTIMATED QUANTITIES PAID FOR UNDER ITEM 803-01-00700		
FOOTING TYPE		A
ø (SHAFT DIAMETER) (FEET)		4.5
NO. OF #10 BARS		18
DRILLED SHAFT — LENGTH, L (FEET)	WIND 90 MPH	30
	WIND 100 TO 110 MPH	35
	WIND 120 TO 130 MPH	40
WIND 90 TO 110 MPH: REINFORCING STEEL (LB)		2672
WIND 120 TO 130 MPH: REINFORCING STEEL (LB)		3541
WIND 90 TO 110 MPH: CLASS S CONCRETE (CU.YD.)		18.26
WIND 120 TO 130 MPH: CLASS S CONCRETE (CU.YD.)		24.19
CLASS M CONCRETE (CU.YD.)⊖		0.76

MINIMUM ANCHOR BOLT NUMBER & DIAMETER (INCHES)																		
POLE HEIGHT (FEET)	WIND 90 MPH POLE SHAPE								WIND 100 TO 110 MPH POLE SHAPE								WIND 120 TO 130 MPH POLE SHAPE	
	8•		12△		16⊕		ROUND		8•		12△		16⊕		ROUND		ROUND	
	NO.	DIA.	NO.	DIA.	NO.	DIA.	NO.	NO.	NO.	DIA.	NO.	DIA.	NO.	DIA.	NO.	DIA.	NO.	DIA.
100	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾
110	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾	8	1¾
120	8	1¾	8	1¾	8	1¾	8	1¾	-	-	8	1¾	8	1¾	8	1¾	8	1¾
130	8	1¾	8	1¾	8	1¾	8	1¾	-	-	8	1¾	8	1¾	8	1¾	8	1¾
140	-	-	8	1¾	8	1¾	8	1¾	-	-	-	-	8	1¾	8	1¾	-	-
150	-	-	8	1¾	8	1¾	8	1¾	-	-	-	-	8	1¾	8	1¾	-	-

NOTE: DIA.- DIAMETER , NO.- NUMBER

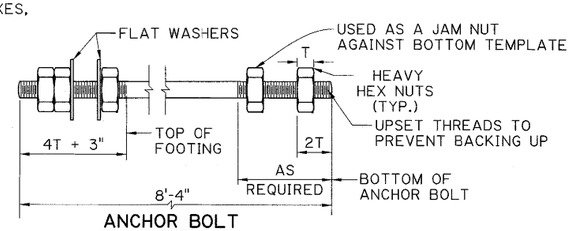
•- EIGHT SIDED △ - TWELVE SIDED ⊕ - SIXTEEN SIDED

STATE OF LOUISIANA — JAMES M. MELTON — License No. 36787 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

2/14/17

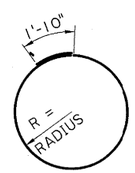
STATE OF LOUISIANA — ANANDA H. HERATH — License No. 29042 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

02/14/2017



ANCHOR BOLT

(NOT TO SCALE)



LAP SPLICE FOR # 3 CIRCULAR TIES

(NOT TO SCALE)

SHEET NUMBER

DESIGNED	A. HERATH
CHECKED	V. TOURRES
DETAILED	J. KOEMPEL
CHECKED	A. HERATH
REVIEWED	K. BRAUNER
SERIES #	2 OF 2

PARISH | CONTROL SECTION | STATE PROJECT

NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION

ANCHOR BOLTS, FOOTING, AND JUNCTION BOX

BD.2.7.4.0.02 - HIGH-MAST LIGHTING

DOTD BRIDGE DESIGN