

FINISH DATA

PRIME COAT: HIGH BUILD EPOXY POWDER
 FINISH COAT: TGIC POWDER
 COLOR: BLACK (RAL 9004)

NOTES:

- LIGHTING STRUCTURES HAVE BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE LOADING AND THE NOMINAL STRENGTH REQUIREMENTS OF THE 2015 AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, FIRST EDITION", SLTS-1. THE WIND LOADS WERE CALCULATED FROM AN ULTIMATE WIND VELOCITY OF 120 MPH WITH A MEAN RECURRENCE INTERVAL OF 1700 YEARS.

COMPONENT	MATERIAL	ASTM DESIGNATION
POLE SHAFT	6063-T6 AL. ALLOY	B221
TAPERED TUBES	6063-T6 AL. ALLOY	B221
SCH 40 PIPE	6063-T6 AL. ALLOY	B221
STRUT	6063-T6 AL. ALLOY	B221
BASE PLATE	356-T6 AL. ALLOY	B26 OR B108
GALVANIZE-HARDWARE	HOT DIP ZINC	

POLE DATA												
POLE TUBE				POLE BASE				ANCHOR BOLT				
BASE DIA. (IN)	TOP DIA. (IN)	LENGTH (FT)	MIN. THICKNESS (IN)	SQUARE S (IN)	BOLT CIRCLE Y (IN)	THK. M (IN)	SLOT Z (IN)	DIA. K (IN)	LENGTH J (IN)	HOOK H (IN)	UPPER THREAD LENGTH U1 (IN)	LOWER THREAD LENGTH U2 (IN)
10.65	5.75	35.00	0.25	14.50	14.00	1.25	1.38 X 1.79	1.25	38.00*	NA	14.00*	6.00
10.65	6.5	30.00	0.25	14.50	14.00	1.25	1.38 X 1.79	1.25	38.00*	NA	14.00*	6.00

NOTE:

- DIMENSIONS MAY VARY BY MANUFACTURER
- * IF FOUNDATION IS INSTALLED IN THE SIDEWALK PER SL-105-1, ANCHOR BOLT LENGTH J SHALL BE 43" AND UPPER THREAD LENGTH U1 SHALL BE 19".



ALUMINUM ROADWAY LIGHTING POLE DETAILS

DRAWING NUMBER	SL-113-1
SCALE	NONE
REVISION DATE	1/24
DEPARTMENT	TRANS