

FINISH DATA

BASE COAT: HOT-DIP GALVANIZED TO
ASTM A123
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.
- SEE COB DESIGN MANUAL APPENDIX A, SECTION IV.A FOR POLE DESIGN LOAD INFORMATION FOR FUTURE SMALL WIRELESS FACILITY INSTALLATIONS.

**SMALL WIRELESS FACILITY (SWF)
VERTICAL ATTACHMENT LIMITS**

POLE HEIGHT	SWF DISCONNECT/SURGE DEVICE	SWF ENCLOSURE, PANEL ANTENNA ZONE
30'	BOTTOM ≥ 15'-7" AFG	BOTTOM ≥ 18'-6" AFG TOP ≤ 23' AFG
35'	BOTTOM ≥ 15'-7" AFG	BOTTOM ≥ 20' AFG TOP ≥ 28' AFG

AFG = ABOVE FINISHED GRADE AT SIDEWALK

MATERIAL DATA

COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)
TAPERED TUBES	A595 GR.A	55
BASE PLATE	A36	36
PIPE	A513 OR EQUIV	36
ANCHOR BOLTS(BY OTHERS)	F1554 GR.55	55
GALVANIZE-HARDWARE	HOT DIP ZINC	

POLE DATA

POLE TUBE				POLE BASE				ANCHOR BOLT					LUMINAIRE ARM		
BASE DIA. (IN)	TOP DIA. (IN)	LENGTH (FT)	MIN. THICKNESS (GAUGE)	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)	SPAN LENGTH L (FT)	RISE R (FT)	MIN. THICKNESS (GAUGE)
10.65	5.75	35.00	10	14.50	14.00	1.25	1.38 X 1.79	1.25	38.00	NA	14.00	6.00	(1)	3.00	11
10.65	6.5	30.00	10	14.50	14.00	1.25	1.38 X 1.79	1.25	38.00	NA	14.00	6.00	(1)	3.00	11

NOTES:

- LUMINAIRE ARMS CAN BE 6', 8' 10' OR 12'
- DIMENSIONS MAY VARY BY MANUFACTURER



**STEEL ROADWAY LIGHTING POLE DETAILS
(SMALL WIRELESS FACILITY COMPATIBLE)**

DRAWING NUMBER	SL-104-1
SCALE	NONE
REVISION DATE	2/22
DEPARTMENT	TRANS