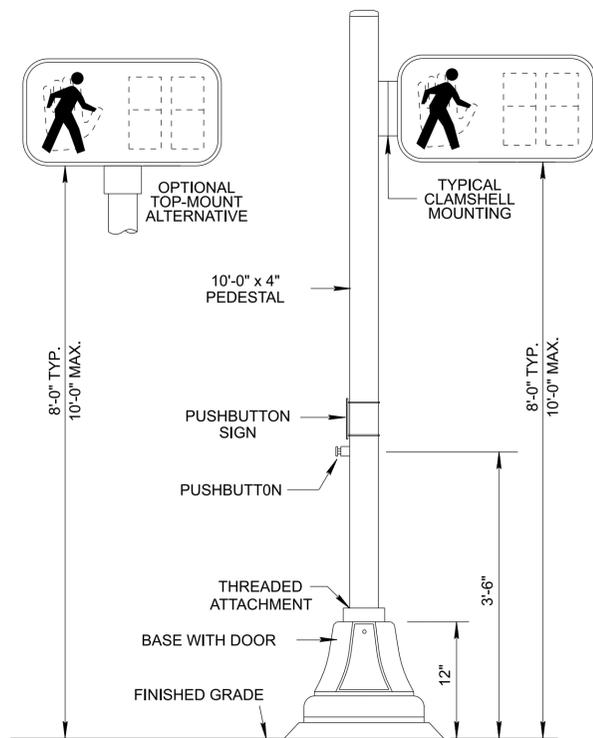
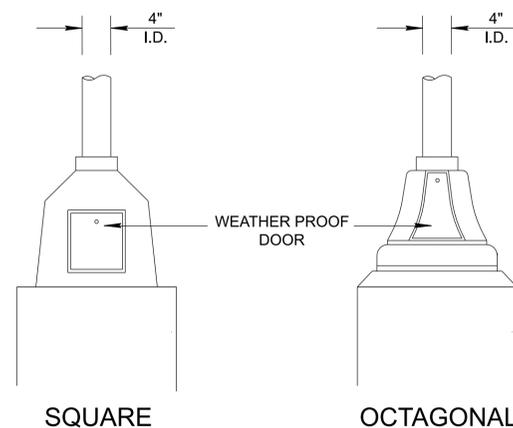


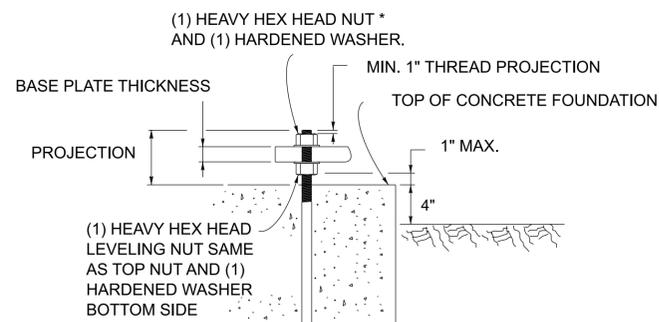
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PEDESTAL POLE TYPE A (ALUMINUM)



CAST PEDESTAL BASE ALTERNATES



ANCHOR ROD DETAIL

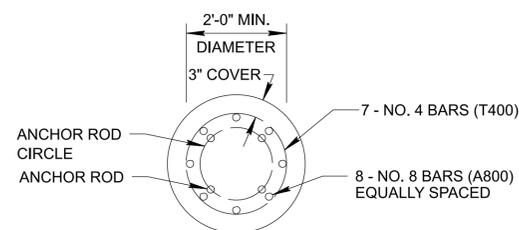
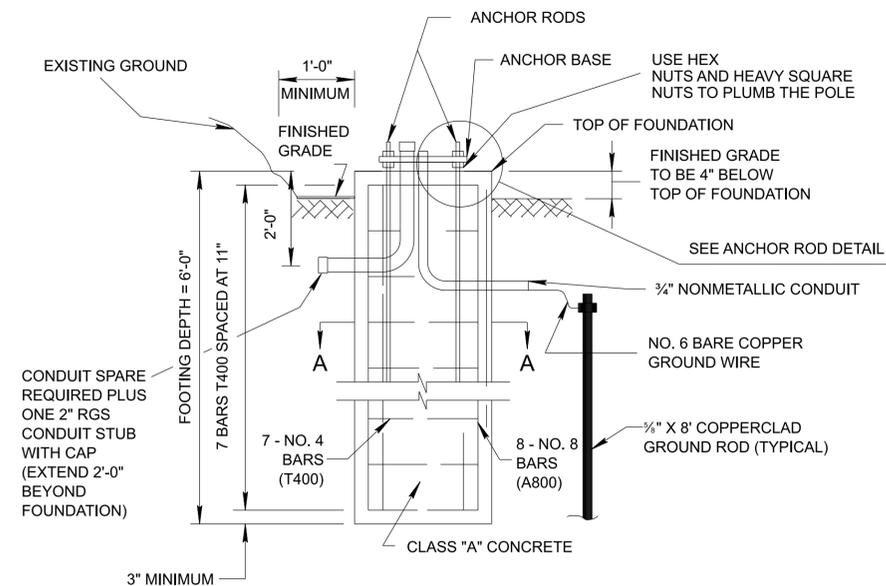
UNDER NO CONDITIONS WILL DRILLED AND GROUTED ANCHOR RODS BE ALLOWED

\*NOTE: TOP NUT TO BE TORQUED TO PRODUCE 60% YIELD STRESS OF ANCHOR ROD.

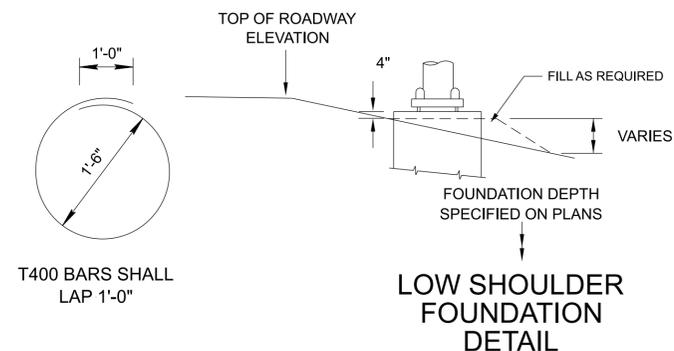
NOTE: DO NOT GROUT BETWEEN BOTTOM OF BASE PLATE AND TOP OF CONCRETE FOUNDATION.

REQUIRED BEARING AREA FOR ANCHOR ROD	
ANCHOR BOLT DIA (IN)	HEAD OR NUT AREA (SQ IN)
1"	1.800
1 1/4"	2.812
1 1/2"	4.050
1 3/4"	5.512
2"	7.199
2 1/4"	9.122
2 1/2"	11.249

TYPE A POLE FOUNDATIONS WITH REINFORCEMENT AND QUANTITIES								
FOOTING DIAMETER	FOOTING DEPTH	T400 REINFORCING BARS			A800 REINFORCING BARS			CONCRETE (CUBIC YARDS)
		NUMBER OF BARS	LENGTH OF EACH BAR	TOTAL WEIGHT IN POUNDS	NUMBER OF BARS	LENGTH OF EACH BAR	TOTAL WEIGHT IN POUNDS	
2'-0"	6'-0"	7	5'-9"	27	8	5'-9"	123	0.70



SECTION A-A  
FOUNDATION DETAIL FOR PEDESTAL POLE



GENERAL NOTES

- (A) PEDESTAL POLES SHALL CONFORM TO "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION, SECTION 730 - TRAFFIC SIGNALS.
- (B) MATERIAL SPECIFICATIONS - ANCHOR RODS:
  - 1.) ANCHOR RODS SHALL BE ASTM F1554 GRADE 55 KSI WITH THREADS CONFORMING TO THE REQUIREMENTS OF ASTM A563.
  - 2.) NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A563.
  - 3.) ALL HARDWARE, EXCEPT STAINLESS STEEL, SHALL BE HOT DIPPED GALVANIZED ACCORDING TO ASTM A153 OR MECHANICALLY GALVANIZED ACCORDING TO ASTM B695.
- (C) THE COST OF ALL FOOTING MATERIALS AND INSTALLATION SHALL BE INCLUDED IN THE PRICE BID FOR PEDESTAL POLES.
- (D) TOP OF FOOTING SHALL BE FLUSH IN SIDEWALK OR PAVED ISLANDS. TOP OF FOOTING SHALL NOT EXTEND MORE THAN 4" ABOVE THE GROUND LINE IN OTHER AREAS.
- (E) IF ROCK IS ENCOUNTERED WHILE DRILLING FOR FOOTING, AND CORE AND THE DRILLING INDICATES ROCK IS SOLID, THE CONTRACTOR SHALL PROVIDE A ROCK SOCKET TWO TIMES THE DIAMETER OF THE POLE FOUNDATION.
- (F) ALL PEDESTAL POLES TO HAVE SPARE 2" RGS CONDUIT STUB EXTENDING 24" BEYOND POLE FOUNDATION.
- (G) ALL CONDUIT BENDS IN POLE FOUNDATION TO BE 6" RADIUS.
- (H) BASE OF POLE SHALL REMAIN OPEN TO PERMIT DRAINAGE AND AIR CIRCULATION. FINISHED GROUND PROFILE SHOULD DRAIN WATER AWAY FROM FOUNDATION.

STATE OF TENNESSEE  
STANDARD DRAWING  
DEPARTMENT OF TRANSPORTATION

TYPE A PEDESTAL POLE DETAILS

12-18-25

T-SG-6A

NOT TO SCALE