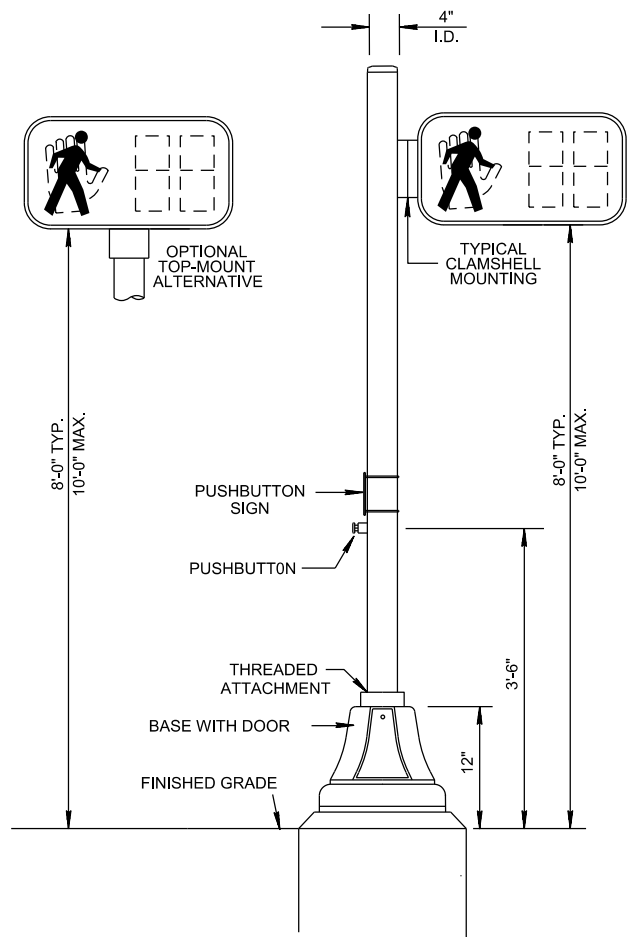
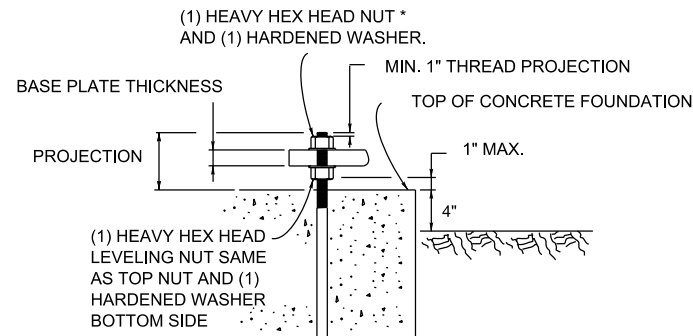




PEDESTAL POLE TYPE A (ALUMINUM)

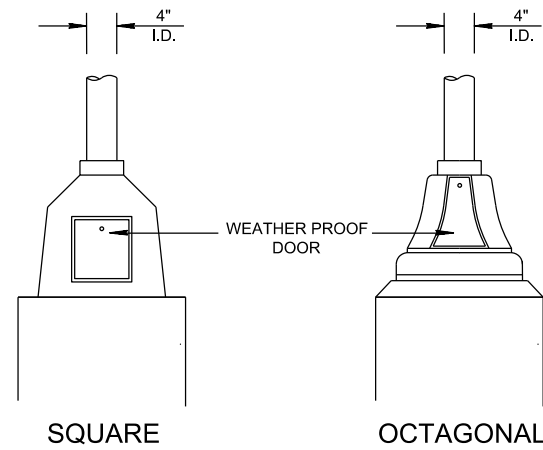


### ANCHOR ROD DETAIL

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.

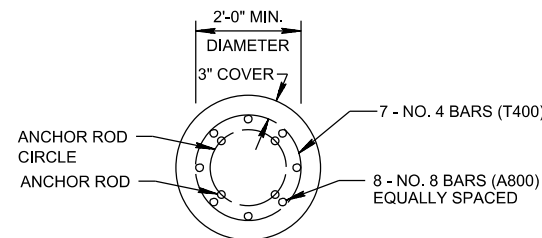
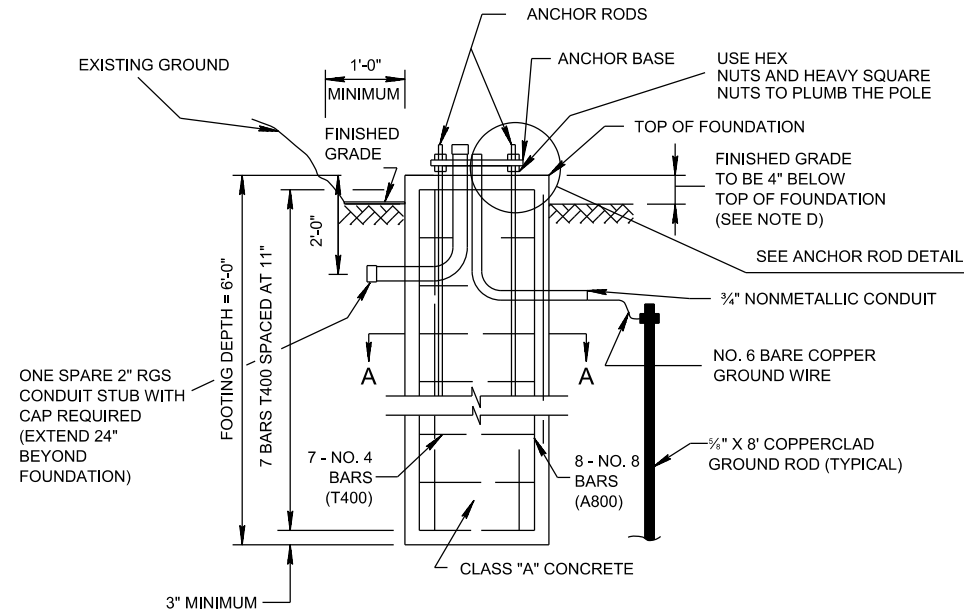
NOTE: DO NOT GROUT BETWEEN BOTTOM OF BASE PLATE AND TOP OF CONCRETE FOUNDATION.



CAST PEDESTAL BASE ALTERNATES

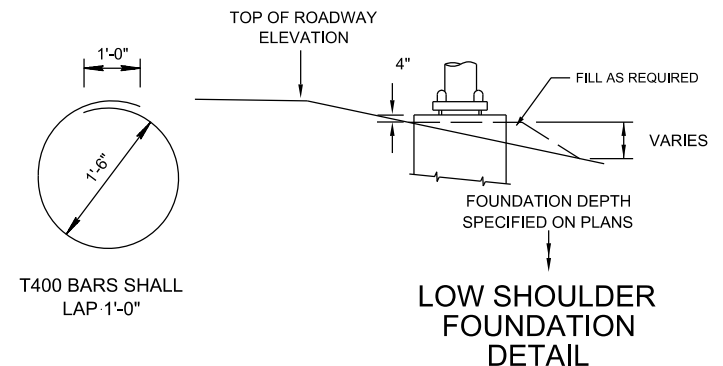
| REQUIRED BEARING AREA FOR ANCHOR ROD |                          |
|--------------------------------------|--------------------------|
| ANCHOR BOLT DIA (IN)                 | HEAD OR NUT AREA (SQ IN) |
| 1"                                   | 1.800                    |
| 1¼"                                  | 2.812                    |
| 1½"                                  | 4.050                    |
| 1¾"                                  | 5.512                    |
| 2"                                   | 7.199                    |
| 2¼"                                  | 9.122                    |
| 2½"                                  | 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 IF THE CORE SAMPLE AND THE DRILLING INDICATES THAT THE ROCK IS SOLID, THEN 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.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
STANDARD DRAWING  
DEPARTMENT OF TRANSPORTATION

TYPE A PEDESTAL POLE DETAILS

12-18-25 T-SG-6A