



- NOTES:**
- CAST FOUNDATION AGAINST UNDISTURBED SOIL WHEREVER CONDITIONS PERMIT. IN UNSTABLE SOIL, CAST-IN-PLACE TUBE FORMS ARE ALLOWED WITH APPROVAL.
 - COMPLY WITH APPLICABLE PROVISIONS OF SECTION 825 FOR CONCRETE CONSTRUCTION.
 - USE CLASS "A" CONCRETE THAT MEETS THE REQUIREMENTS OF SECTION 1000 WITH A COMPRESSION STRENGTH AT 28 DAYS OF $F'c = 3000$ PSI (MIN.).
 - USE ASTM GRADE 60 DEFORMED BARS FOR ALL REINFORCING STEEL.
 - GRADE IS ASSUMED TO BE (8H:1V) OR FLATTER. FOUNDATION SIZE AND DEPTHS ARE BASED ON THE FOLLOWING SOIL DESIGN PARAMETERS:
 - A. SANDY TYPE SOIL
 - B. NO GROUND WATER WITHIN 5'-0" OF SURFACE ELEVATION
 - C. WIND SPEED NOT TO EXCEED 140 MPH
 IF ACTUAL CONDITIONS VARY SUBSTANTIALLY FROM THOSE ASSUMED, THE FOUNDATION DEPTH MAY BE ADJUSTED. IN THIS CASE, CONTACT THE ENGINEER.
 - MAINTAIN AT LEAST 3" COVER ON ALL REINFORCEMENT.
 - ORIENT CONDUIT AS REQUIRED BY THE DESIGN OR AS DICTATED BY FIELD CONDITIONS.
 - USE ADHESIVE ANCHOR FOR THREADED COUPLING INSERT. FOR TYPE I MINIMUM DEPTH NECESSARY IS 0'-4 1/2" AND FOR TYPE II MINIMUM DEPTH NECESSARY IS 0'-6 5/8". FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

| PEDESTAL FOUNDATION TYPE AND SIZE | | | | | | | |
|-----------------------------------|-----------------------|-----------------|--------------|--------------------|--------------------|--------------|-----------------------------------|
| TYPE | PEDESTAL DESCRIPTION | SIZE | | | ANCHOR BOLT | | INSTALL GROUNDING SYSTEM (YES/NO) |
| | | DIAMETER "A" FT | DEPTH "B" FT | CONCRETE VOLUME CY | DIAMETER (MIN.) IN | LENGTH FT-IN | |
| I | PEDESTRIAN PUSHBUTTON | 2'-0" | 3'-6" | .41 | 1/2 | 1'-6" | NO |
| II | NORMAL-DUTY | 2'-0" | 5'-0" | .58 | 3/4 | 2'-0" | YES |
| III | HEAVY-DUTY | 2'-6" | 7'-0" | 1.27 | 1 | 4'-0" | YES |

| REINFORCING STEEL SCHEDULE | | | | | | | | | | | | |
|----------------------------|--------|-----|--------|------------|------------------------|----------------|-------|--------|-----------------|--------------|------------|------------------------|
| TYPE | V-BAR | | | | STIRRUP | | | | | | | |
| | SIZE # | QTY | LENGTH | WEIGHT LBS | QUANTITY | | | LENGTH | DIAMETER "C" FT | OVERLAP MIN. | WEIGHT LBS | TOTAL STEEL WEIGHT LBS |
| | | | | | VERTICAL ON 6" CENTERS | ON 12" CENTERS | TOTAL | | | | | |
| I | 8 | 6 | 3'-0" | 56 | 4 | 0 | 4 | 5'-7" | 1'-6" | 0'-10" | 15 | 71 |
| II | 8 | 6 | 4'-6" | 86 | 4 | 5 | 3 | 5'-7" | 1'-6" | 0'-10" | 30 | 116 |
| III | 8 | 6 | 6'-6" | 122 | 4 | 7 | 4 | 7'-2" | 2'-0" | 0'-10" | 53 | 175 |

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
PEDESTALS
 FOUNDATIONS

SHEET 1 OF 1
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DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

See Plate for Title

