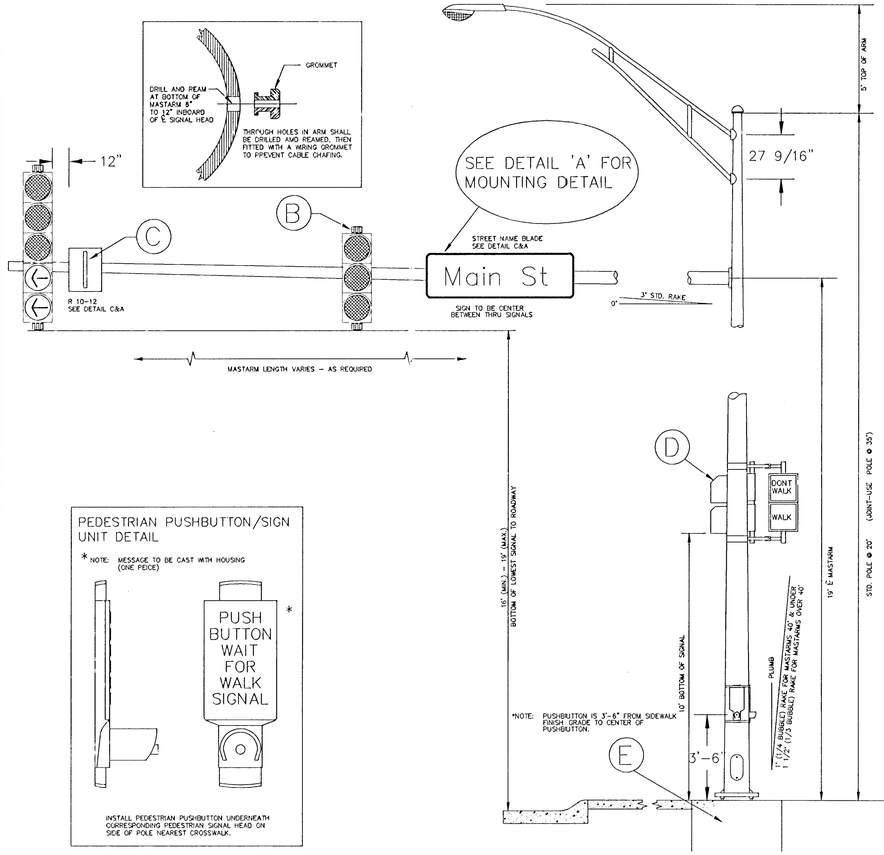
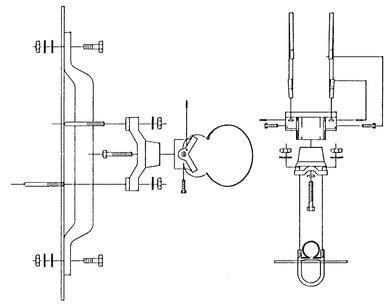
G:\9807\Civil\9807LDDT\DWG\Traffic\98078800.dwg Layout: Detail1 -- Plotted by rcolson on Wednesday August 14, 2002, 12:56pm -- Copyright 2002, George Butler Associates, Inc.




PEDESTRIAN PUSHBUTTON/SIGN UNIT DETAIL

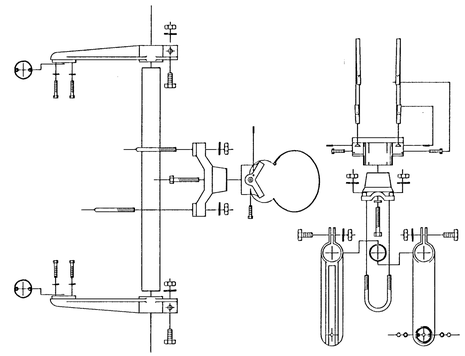



BANDED SIGN MOUNTING BRACKET DETAIL



A

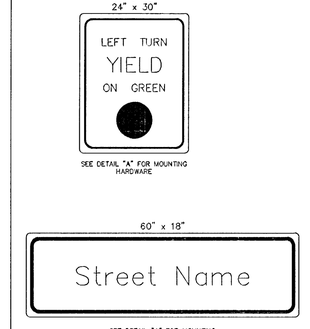
TYPE I SIGNAL MOUNTING BRACKET ASSEMBLY DETAIL



B

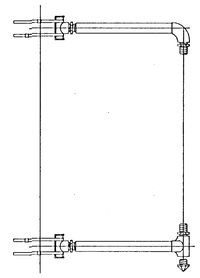
STANDARD SIGNING

| SHEET NO. | TOTAL SHEETS |
|---|---|
| 8 | 11 |



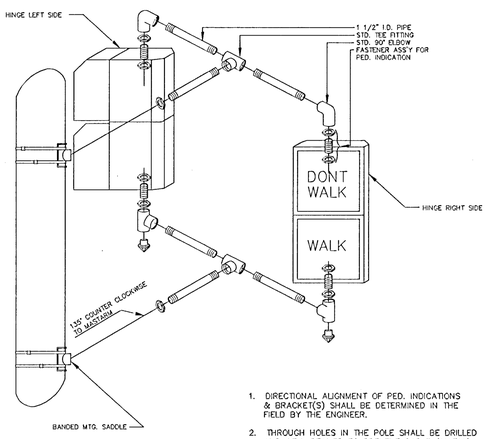

C

TYPE III SIDE-OF-POLE MOUNTING BRACKET ASSEMBLY



F

TYPE II SIGNAL MOUNTING BRACKET ASSEMBLY (SIDE-OF-POLE)




1. DIRECTIONAL ALIGNMENT OF PED. INDICATIONS & BRACKET(S) SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. THROUGH HOLES IN THE POLE SHALL BE DRILLED AND WELL REAMED TO PREVENT CABLE CHAFING.
3. HINGE PEDESTRIAN SIGNAL DOORS AWAY FROM POLE.

D

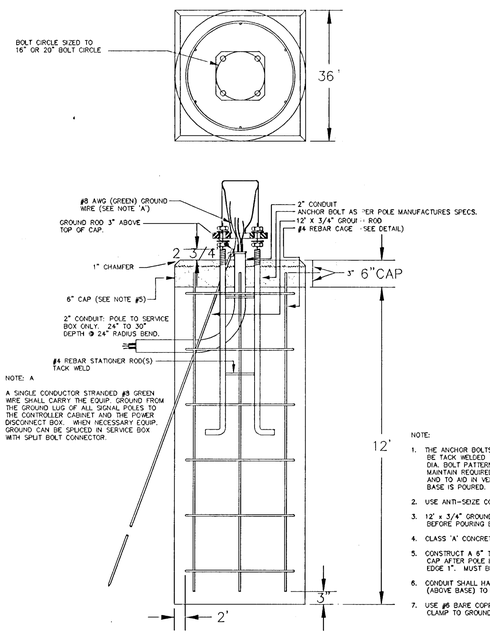
Specifications for all Black Poles

POLE FINISH:

Surface preparation—
The exterior steel surface shall be blasted clean in accordance with the requirements outlined in the Steel Structures Painting Council Surface Preparation Specification, Number 6, (SSPCSP60) utilizing a dry abrasive, closed cycle, recirculating system with centrifugal wheels and abrasive. The abrasive used shall be steel shot conforming to the society of automotive engineers (SAE) recommended practice #J827 with particle size meeting SAE shot number S280.

Zinc Coating—
The pole assembly shall be hot-dip galvanized to the requirements of, either ASTM A123 (Fabricated items), or ASTM A153 (Hardware items) by immersion in a molten bath of prime western grade zinc, maintained between 810 and 850 degrees F. Maximum aluminum content of the bath shall not exceed 0.01%.

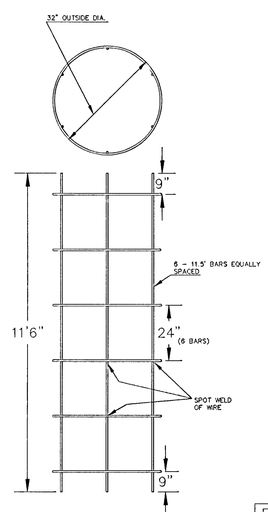
Top Coat—
All visually-exposed exterior surfaces shall be coated with a urethane or triglycidyl isoyanurate (TGIC) polyester powder to a minimum dry film thickness (DFT) of 0.05mm (2.0 MILS). Prior to application of the top coat, the surface shall be mechanically etched and pre-heated to 450 degrees F for a minimum of one hour. The coating shall be electrostatically applied and cured at a minimum temperature of 400 degrees F, and the color shall be Black.




NOTE: A
A SINGLE CONDUCTOR STRANDED #8 GREEN WIRE SHALL CARRY THE EQUIP. GROUND FROM THE GROUND LUG OF ALL SIGNAL POLES TO THE CONTROLLER CABINET AND THE POWER DISCONNECT BOX. WHEN NECESSARY EQUIP. GROUND CAN BE SPLICED IN SERVICE BOX WITH SPLIT BOLT CONNECTOR.

NOTE:
1. THE ANCHOR BOLTS FOR THE SIGNAL POLE SHALL BE TACK WELDED TOGETHER IN A 15" OR 20" DIA. BOLT PATTERN (ON CENTERS AS SHOWN) TO MAINTAIN REQUIRED BOLT CONFIGURATION PATTERN AND TO AID IN VERTICAL POSITIONING WHILE CONCRETE BASE IS POURED.
2. USE ANTI-SIZE COMPOUND ON ALL THREADS.
3. 12' x 3/4" GROUND ROD TO BE POSITIONED BEFORE POURING BASE.
4. CLASS 'A' CONCRETE SHALL BE USED TO CONSTRUCT BASE.
5. CONSTRUCT A 6" THICK x 36" SQUARE CONCRETE CAP AFTER POLE HAS BEEN ERECTED & PLUMBED. CHAMFER EDGE 1". MUST BE APPROVED BY ENG. BEFORE POURED.
6. CONDUIT SHALL HAVE PLASTIC (OR METAL) BUSHING (ABOVE BASE) TO PREVENT CABLE CHAFING.
7. USE #8 BARE COPPER GROUND CONDUCTOR FROM CLAMP TO GROUND BOLT IN ACCESS HOLE.

REBAR CAGE




E