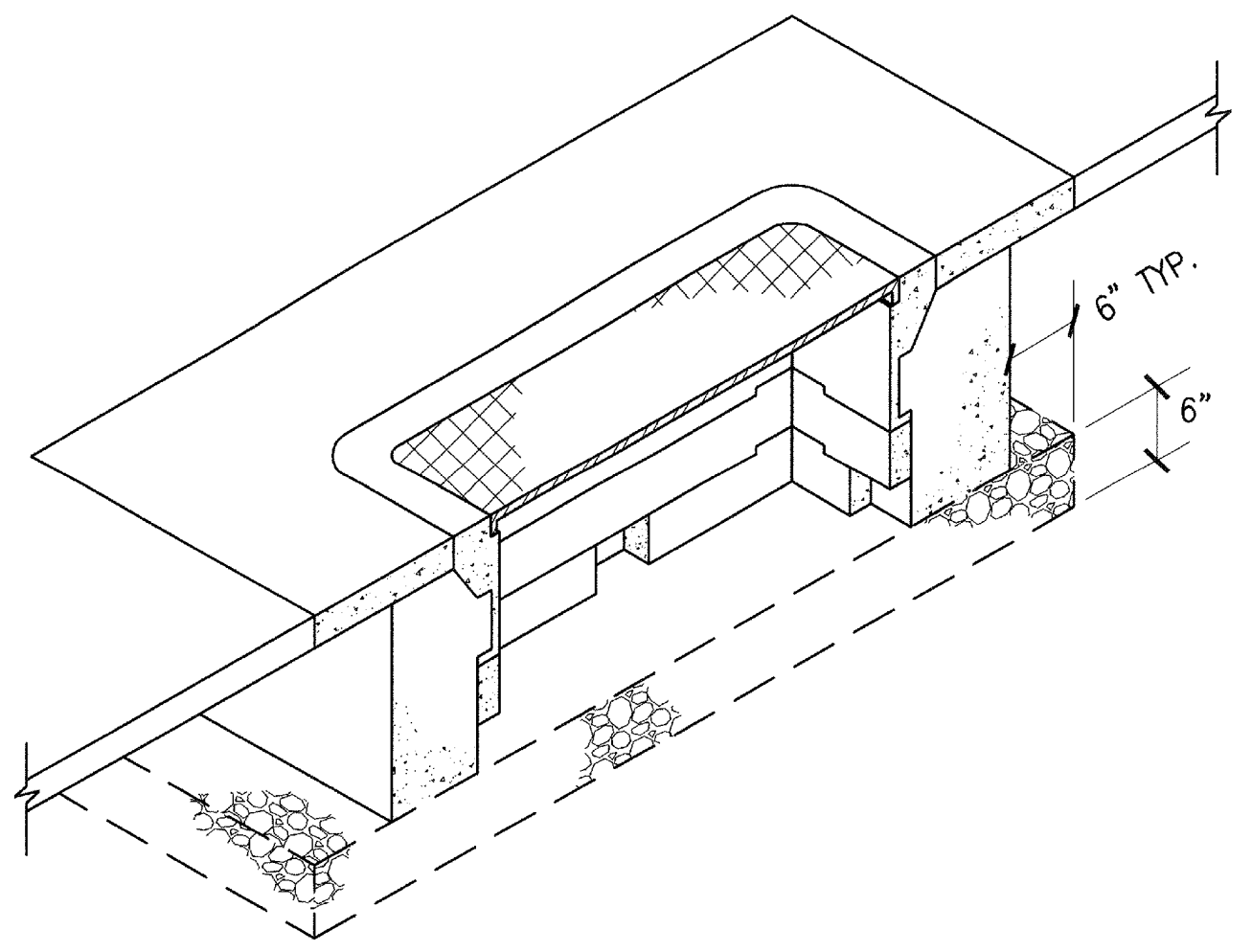
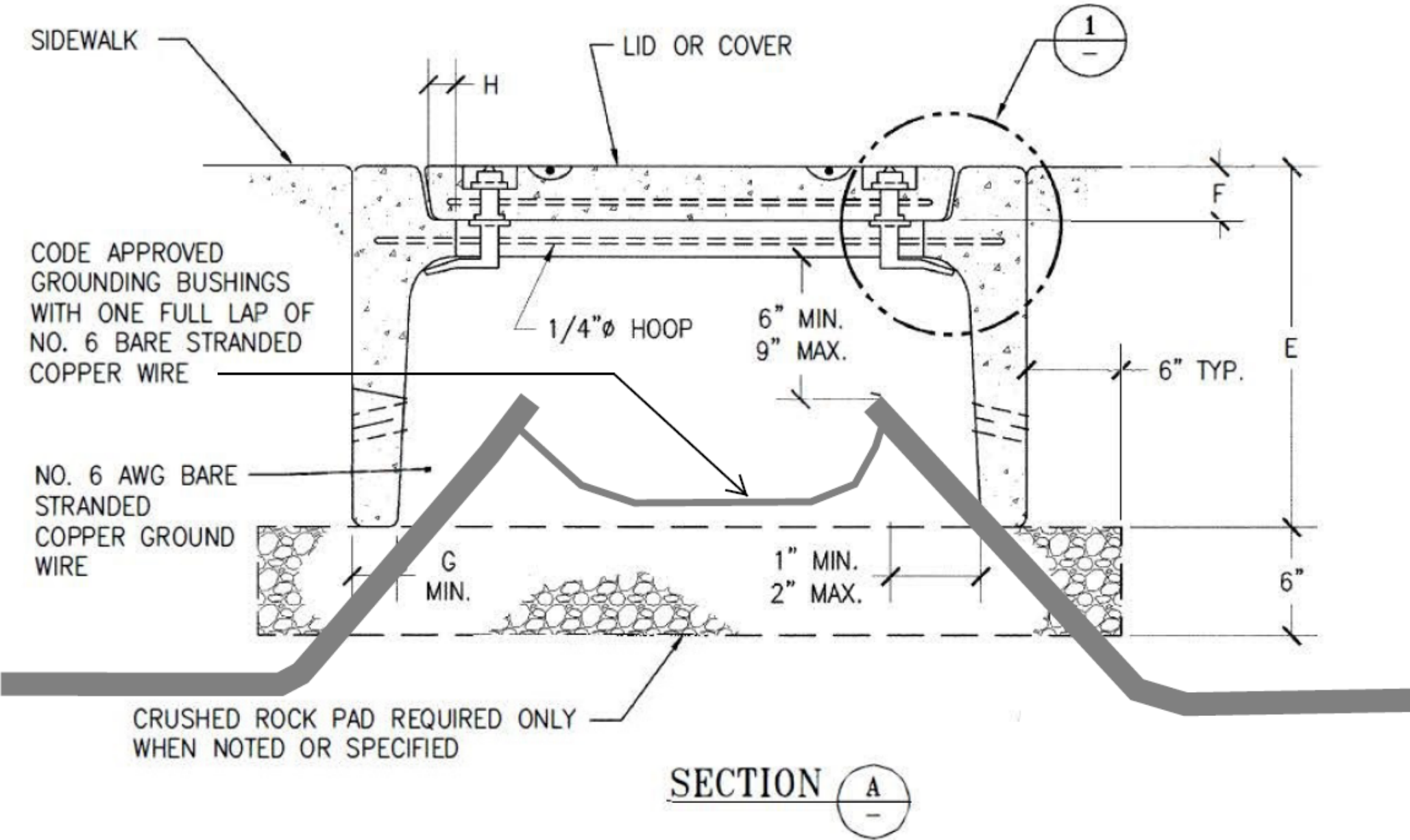


PLAN

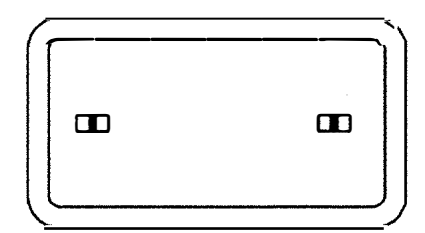


| TYPE  | DIMENSIONS (INCHES) |        |        |        |    |       |       |      |      | REMARKS                                                                                |
|-------|---------------------|--------|--------|--------|----|-------|-------|------|------|----------------------------------------------------------------------------------------|
|       | A                   | B      | C      | D      | E  | F     | G     | H    |      |                                                                                        |
|       |                     |        |        |        |    |       |       | MIN. | MAX. |                                                                                        |
| N16   | 20 3/4              | 19 1/2 | 10 5/8 | 9 1/4  | 12 | 2     | 2 7/8 | 5/8  | 3/4  | FURNISH WITH LID OR COVER, AS APPLICABLE. SEE SHEET NOTES.                             |
| N36   | 30 1/2              | 29     | 17 1/2 | 16 1/4 | 12 | 2     | 4 3/4 | 5/8  | 7/8  | FURNISH WITH LID OR COVER, AS APPLICABLE. SEE SHEET NOTES.                             |
| B1017 | 20                  | 18 1/4 | 13 3/8 | 11 3/8 | 12 | 2 1/2 | 3 7/8 | 5/8  | 7/8  | FURNISH WITH LID OR COVER, AS APPLICABLE. SEE SHEET NOTES.                             |
|       |                     |        |        |        |    |       |       |      |      | FURNISH WITH THREE PIECE LID OR TWO PIECE STEEL COVER, AS APPLICABLE. SEE SHEET NOTES. |

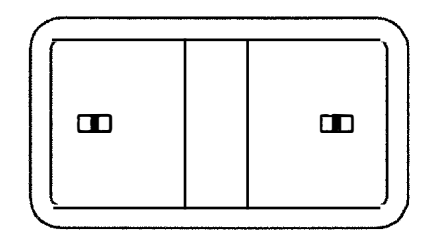


SECTION A

**TYPICAL INSTALLATION OF PULL BOX WITH 6" CONCRETE RETAINING WALL (SEE NOTE 4) AND WITH STEEL TRAFFIC COVER**

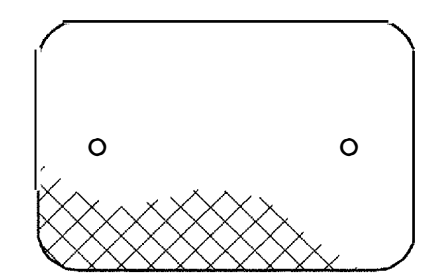


ONE PIECE

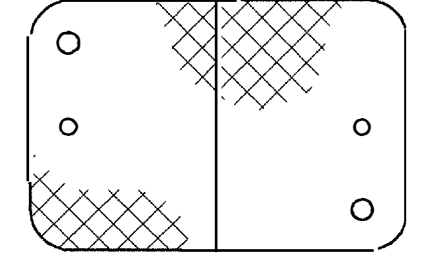


3-PIECE WITH INTERLOCKING CENTER

**LIDS**  
(CONCRETE, REINFORCED)



ONE PIECE



TWO PIECES

**COVERS**  
(STEEL, HOT-DIP GALVANIZED AFTER FABRICATION)

**SHEET NOTES:**

- ALL EXPOSED METALLIC PORTIONS OF THE PULL BOXES SHALL BE CONSTRUCTED WITH FERROUS MATERIALS AND SUCH MATERIALS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
- PULL BOXES, COVERS AND EXTENSIONS SHALL BE PRECAST REINFORCED CONCRETE. PULL BOXES SHALL HAVE ETCHED POLYETHYLENE FACE ANCHORED IN CONCRETE AND ULTRAVIOLET INHIBITOR.
- LIDS AND COVERS FURNISHED WITH PULL BOXES ENCLOSING WIRING ENERGIZED WITH VOLTAGES GREATER THAN 600 VOLTS SHALL BE PROVIDED WITH "HOLD-DOWN" BOLTS FABRICATED FROM BRASS.
- PULL BOXES PLACED IN ROADWAYS OR IN AREAS SUBJECT TO VEHICLE AND HEAVY MACHINERY TRAFFIC SHALL BE FURNISHED WITH STEEL CHECKER PLATE TRAFFIC COVERS. IN ADDITION, A 6-INCH WIDE BY 12-INCH HIGH CONCRETE RETAINING WALL SHALL BE CONSTRUCTED ALL AROUND EACH PULL BOX INSTALLED IN SUCH AREAS.
- A 12-INCH WIDE BY 3 1/2-INCH DEEP (MINIMUM) CONCRETE SLAB SHALL BE CONSTRUCTED ALL AROUND EACH PULL BOX (INCLUDING BOXES PROVIDED WITH THE 6-INCH THICK RETAINING WALL SET FORTH IN NOTE 4 ABOVE) INSTALLED IN UNPAVED OR ASPHALT CONCRETE PAVED AREAS. AREAS WITH PAVERS, STREETLIGHT BOXES MUST BE INSTALLED IN THE CENTER OF A 3-FOOT X 3-FOOT X 3 1/2 INCH DEEP (MINIMUM) CONCRETE SLAB.
- LIDS AND COVERS SHALL BE PROVIDED WITH THE FOLLOWING LEGENDS, AS APPLICABLE:
 

|              |                |                 |              |         |
|--------------|----------------|-----------------|--------------|---------|
| FIRST LINE:  | ELECTRICAL-DPW | ELECTRICAL-DPW  | ELECTRICAL   | TRAFFIC |
| SECOND LINE: | 120/240 VOLT   | IRR SYS         | R & P        | SIGNALS |
| FIRST LINE : | ELECTRICAL-DPW | STREET LIGHTING | ELECTRICAL   | D OF E  |
| SECOND LINE: | 240/480 VOLT   | 120/240 VOLT    | HIGH VOLTAGE |         |
- LETTERS SHALL BE 1-INCH AND MADE WITH 1/4-INCH WIDE STROKES. LETTERS INSCRIBED IN CONCRETE LIDS OR COVERS SHALL BE MADE WITH 1/8-INCH (MINIMUM) DEEP IMPRINTS. LEGENDS IN STEEL COVERS SHALL BE MADE WITH WELD BEAD LETTERS.
- PROVIDE BONDING JUMPER (3' LONG, MINIMUM) FOR STEEL COVERS TO BE BONDED TO CONDUIT.

~~3/8" BRASS "HOLD-DOWN" BOLTS AND PROVISIONS THEREFOR REQUIRED ONLY WHEN WIRING ENERGIZED FOR MORE THAN 600 VOLTS IS PLACED IN BOX~~

DETAIL 1



This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.

**PRECAST PULL BOX, COVERS AND LIDS**

| NO.                                                   | DATE | DESCRIPTION | BY | APP. |
|-------------------------------------------------------|------|-------------|----|------|
| TABLE OF REVISIONS                                    |      |             |    |      |
| CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION |      |             |    |      |

REFERENCE INFORMATION & FILE NO. OF SURVEYS



**BUREAU OF ENGINEERING**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| REVIEWED: DATE: BC 01/2007 | PLANS APPROVAL DATE: APRIL 30, 2007               |
| DRAWN: DATE: RT 01/2007    | <i>Jamarcus Doster</i> 4/27/07<br>SECTION MANAGER |
| CHECKED: DATE: TA 01/2007  | <i>MW</i> 4/30/07<br>DEPUTY BUREAU MANAGER        |
|                            | <i>Jan Chiu</i><br>BUREAU MANAGER                 |

|                                          |                     |
|------------------------------------------|---------------------|
| <b>STANDARD PLAN</b>                     | OLD FILE NO. 49,093 |
| <b>ELECTRICAL</b>                        | FILE NO. 87,201     |
| <b>PRECAST PULL BOX, COVERS AND LIDS</b> | REV. NO.            |

Xrefs: V:\0966\Standard Plans & Specs Update\2\_Plans\Title-Block\B0E STD Title-Block.dwg  
Dimension Scale: 40  
Model Units: Feet  
Drawing Path: V:\0966\Standard Plans & Specs Update\2\_Plans\FINAL\ELE-01.dwg, LogIn: carantos  
Plot Time: Fri, 27 Apr 2007 - 5:48pm  
Measurement Units are English