M1216
****This standard supersedes COM Electric Construction Standard NE-15B****

PRECAST CONCRETE – PRIMARY PULL BOX FOUNDATION
5’-0” x 5’-0” x 5’-0” H INSIDE DIMENSIONS

1.0 **Scope** – This specification details the dimensions, strength, reinforcement, and appurtenances required for fabrication of precast concrete foundation.

2.0 **General** – Vendor design and fabrication drawing shall conform to the minimum requirements of this specification and shall be signed and stamped by a Massachusetts registered professional engineer.

3.0 **Design Notes**

3.1 Concrete minimum strength - 5000 psi @ 28 days.
3.2 Steel reinforcement - ASTM A615, Grade 60.
3.3 Minimum Steel Cover – 1 inch.
3.4 Design Loading - AASHTO HS20-44.
3.5 Design Specifications – ACI 318 & AASHTO Load Factor Design Method.
3.6 Manufacturer’s name and year of fabrication to be stenciled on vertical wall of access chimney.
3.7 All Termaducts to have bell ends flush with the inside wall.
3.8 Construction Joint – Sealed with 1” diameter Butyl Rubber or approved equal.

4.0 **Bill of Materials**

4.1 The catalog ID for the precast manhole is “9437”.

4.2 The catalog ID for the bonding frame is “1229”. Bonding frame consists of 1- #4/0 stainless steel ground clamp, 1 - #10 x 1-1/2” lg x 5/16” dia SS screw and 1- lead plug as supplied by Tools Unlimited Inc., Stoughton, MA (or approved equal).

4.3 The recessed pulling eye, “New PI-2”, shall be manufactured by Pennsylvania Insert Corp., Spring City, PA (or approved equal).
PLAN

NOTE: DRAWING IS NOT TO SCALE
SECTION A-A

NOTE: DRAWING IS NOT TO SCALE
CONC. WALL

12" (TYP)

3/4" CROSBY U-BOLT CLAMP

4/0 BARE COPPER WIRE (ONE PIECE)

REINFORCING BARS

1" MIN.

6"

DETAIL “A”

NOTE: DRAWING IS NOT TO SCALE

Approved by: Elizabeth J. Leonard
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