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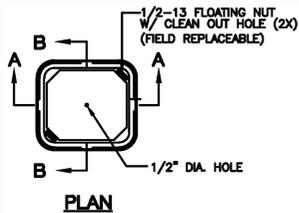
LUIS ORTEGA/C.G. 10/11/08

**REVISIONS**

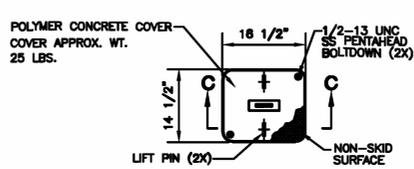
TRENT RICKLEFS 12/14/2017 1

INSTALLATION NOTES:  
 - REVISED NOTES 4&5.  
 MATERIAL SPECIFICATION:  
 - REVISED SPCCS. 1&4.

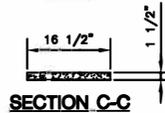
H.J.M. 12/14/2017



**PLAN**

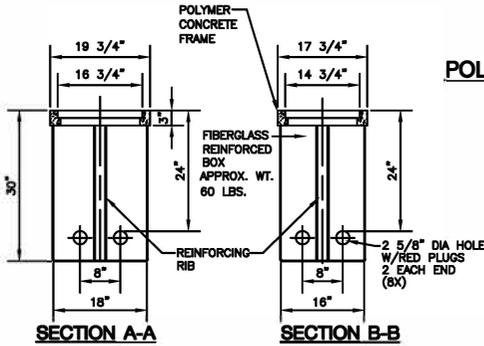


**PLAN**



**SECTION C-C**

**POLYMER CONCRETE COVER**



**SECTION A-A**

**SECTION B-B**

**FIBERGLASS REINFORCED BOX  
 W/ POLYMER CONCRETE FRAME  
 C/S #003-9537**

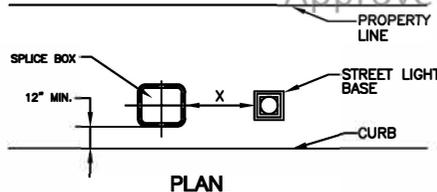
**INSTALLATION NOTES:**

1. LOCK DOWN THE REINFORCED POLYMER CONCRETE (RPC) SOLID COVERS TO THE FRAME WITH THE LOCKING BOLTS SPECIFIED.
2. FOR USE IN NON VEHICULAR TRAFFIC AREAS, SUCH AS SIDEWALKS, GRASS, MEDIAN. DON'T INSTALL ON DRIVEWAYS.
3. PLACE BOX ON 4" MIN. GRAVEL BED.
4. SEAL ALL DUCT ENTRANCES AND ALL CABLES ALREADY IN PLACE IN ACCORDANCE WITH EO-1100.
5. INSTALL DRIVEN GROUND ROD, WHEN REQUIRED, AS SPECIFIED ON EO-5830-C.
6. INSTALL 2" DIAMETER HDPE CONDUITS.

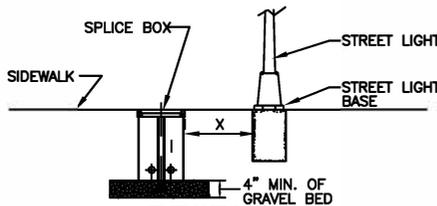
**MATERIAL SPECIFICATIONS:**

1. SOLID COVER SHALL BE MADE WITH REINFORCED POLYMER CONCRETE MADE BY ARMORCAST PRODUCTS CO. OR APPROVED EQUAL.
2. BOX SHALL BE MANUFACTURED WITH FIBERGLASS REINFORCED POLYMER (FRP) MADE BY ARMORCAST OR APPROVED EQUAL.
3. LOCKING BOLT SLOTS IN SOLID COVERS AND 3/8"-18NC NUTS IN RPC FRAME MUST BE IN LINE TO PERMIT PROPER FASTENING.
4. MOST COMPLY WITH ANSI/SCTE TIER 8 LOADING.
5. ALL HARDWARE (BOLTS, NUTS, WASHERS, INSERT, ETC.) TO BE STAINLESS STEEL A.I.S.I. GRADE 304 OR 302.
6. PROVIDE ALL HARDWARE NECESSARY FOR PROPER ASSEMBLING AND INSTALLATION.
7. FRP AND RPC MATERIALS SHALL NOT CRACK, SHRINK OR BECOME DEFECTIVE WHEN BOX ASSEMBLY IS USED IN A STANDARD INSTALLATION AND EXPOSED TO NORMAL OPERATING TEMPERATURES.
8. DIELECTRIC STRENGTH OF FIBERGLASS BOX ASSEMBLY TO BE 30KV MINIMUM.
9. HDPE SERVICE CONDUITS TO MEET REQUIREMENTS OF EO-4379.

Released as of 01/24/2018 16:34:05



**PLAN**



**ELEVATION**

X = 2 FEET MIN. IF DRIVEN GROUND ROD IS PLACED AS SPECIFIED.  
 X > 8 FEET IF DRIVEN GROUND ROD IS NOT PLACED AND STEEL BEND PLUS STEEL CONDUIT IS INSTALLED BETWEEN THE STREET LIGHT BASE AND THE SPLICE BOX.

**INSTALLATION DETAIL**

**THIS BOX ACCOMMODATES UP TO 3 SERVICE CONNECTIONS AND NOT TO EXCEED 200 AMPS.**

**REFERENCE SPEC:**

FOR CONDUIT INSTALLATION BETWEEN STREET LIGHT AND SPLICE BOX, SEE EO-5830-C.

FOR INSTALLATION OF ISOLATION TRANSFORMER AND CONNECTION DETAILS IN THE FIBERGLASS SPLICE BOX, SEE DRAWING 353445.

**STREETLIGHT OR FURNITURE SIDEWALK FEED FIBERGLASS SPLICE BOX ASSEMBLY**

CONSOLIDATED EDISON COMPANY OF N.Y., INC.  
 DISTRIBUTION ENGINEERING DEPT

DATE 10/11/08 DWG. NO. 349498 REV. 1  
 LAST REV. 12/14/2017

FIELD MANUAL NO. 23: OH CONSTRUCTION SECT. NO. 1.8: SECONDARY/SERVICES

FIELD MANUAL NO. 22: URD SECT. NO. 2: CABLE

FIELD MANUAL NO. 9: OH CONSTRUCTION SECT. NO. 3: STREET LIGHT

FIELD MANUAL NO. 4: SERV. INSTALLATION SECT. NO. 1: UG SERVICE

CONSTRUCTION STANDARDS MANUAL NO. 3 SECTION 8: STREET LIGHT

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

DESIGN	DATE	CHECKED BY	DATE
P.J. MARK	10/11/08		
DISCIPLINE CODE		SCALE	NONE
APPROVED			
LESMAN HONG	10/11/08		
MR. NON-NETWORK SYSTEMS			
LUIS ORTEGA/C.G.	10/11/08		
MR. PROJECT ENGINEER			