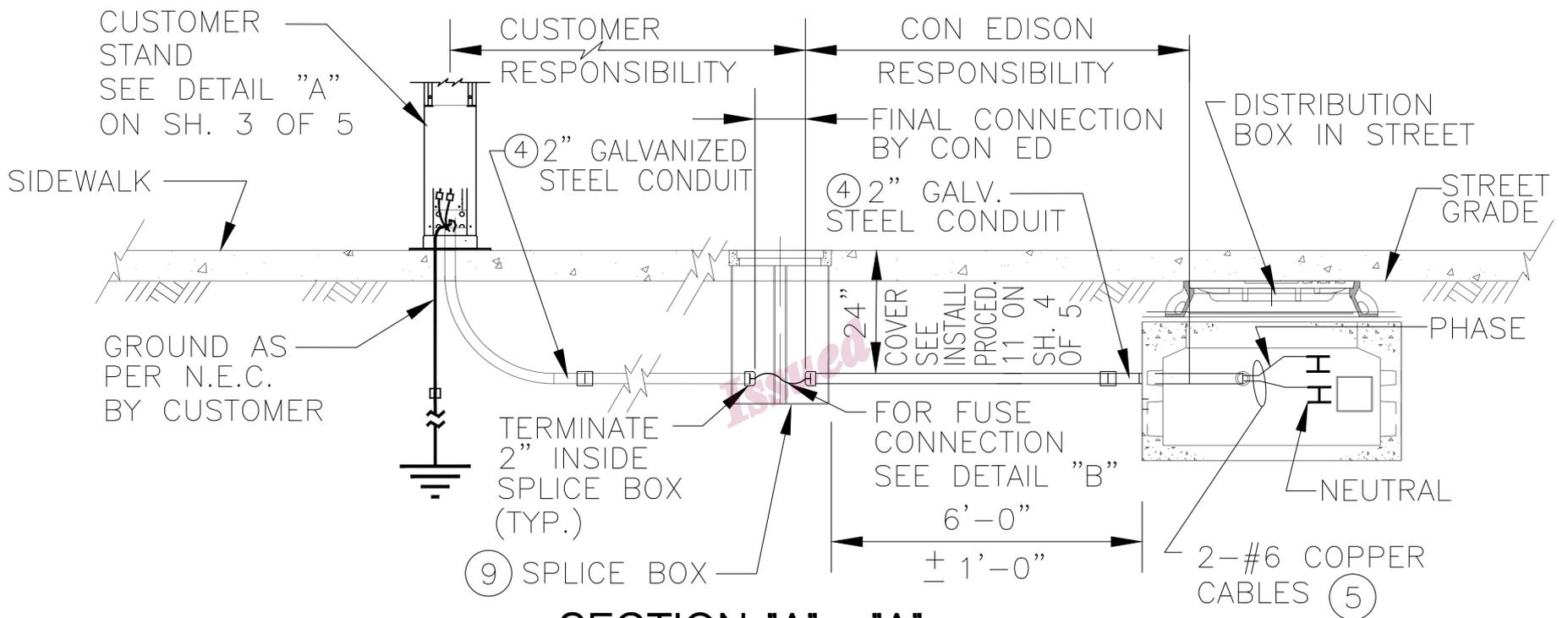


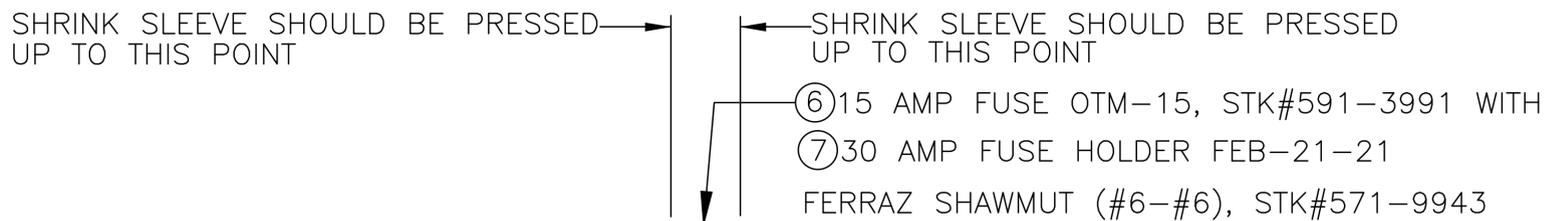
**PLAN**



**SECTION "A" - "A"**

**METHOD # 1**

**2" GALV. STEEL OR HDPE CONDUIT OR CONC. DUCT INSTALLED IN SIDEWALK (IN FIELD TO SUIT)**



**DETAIL "B"**  
15 AMP FUSE W/30 AMP FUSE HOLDER

**REFERENCE DWGS:**

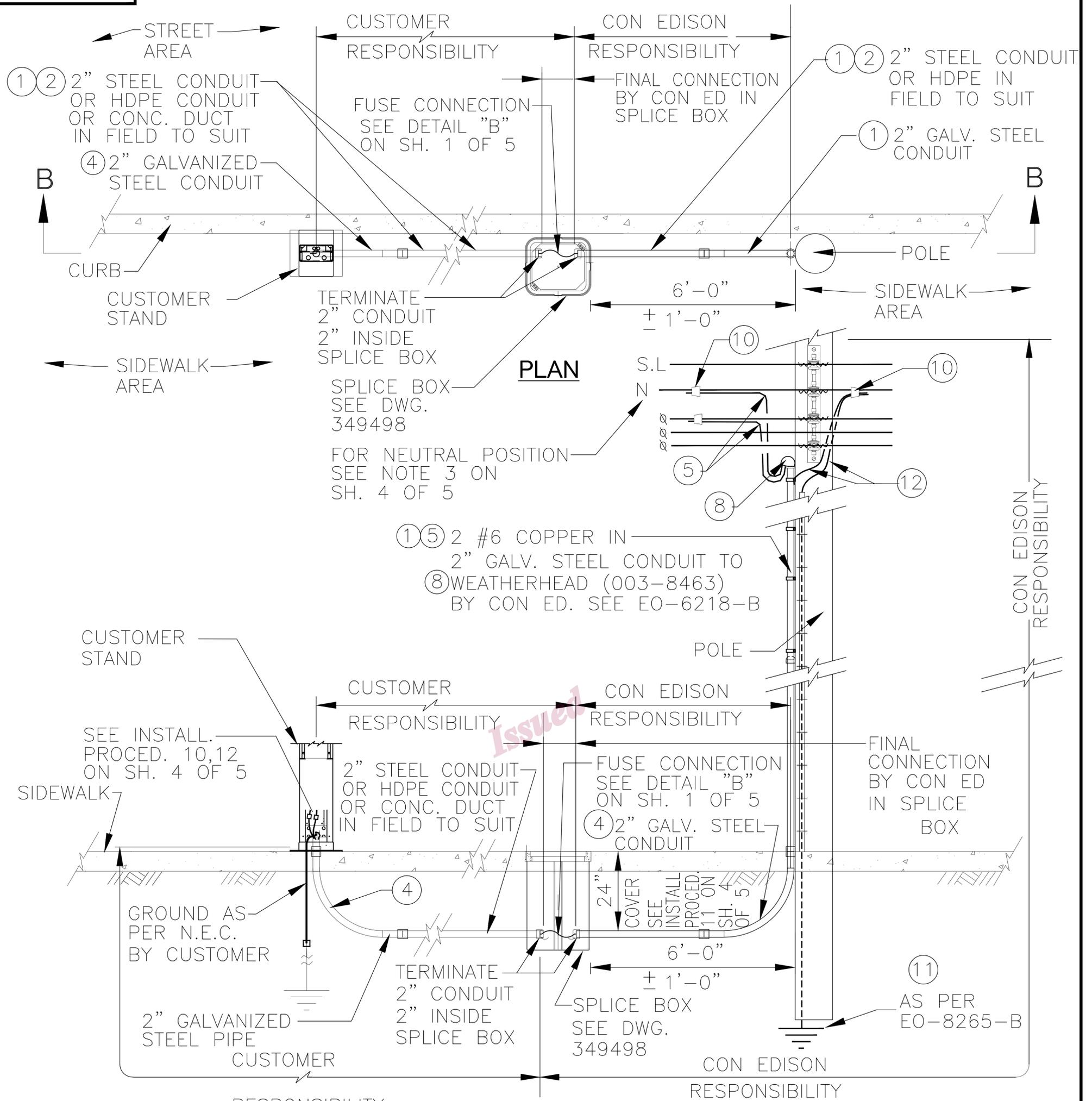
SEE DWG. 367892 SHEET 2 OF 5 FOR METHOD #2 WITH PLAN AND SECTION "B"- "B".  
 SEE DWG. 367892 SHEET 3 OF 5 FOR DETAIL "A".  
 SEE DWG. 367892 SHEET 4 OF 5 FOR INSTALLATION PROCEDURE, NOTES AND REFERENCE DWGS..  
 SEE DWG. 367892 SHEET 5 OF 5 FOR BILL OF MATERIAL, REFERENCE SPECS. & DWGS. AND FILING INFORMATION.

**UNDERGROUND AND OVERHEAD ELECTRIC SUPPLY TO STREET FURNITURE**

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

DATE 11/26/13 DWG. NO. **367892** REV. **2** SH. **1** OF **5**  
 LAST REV. 11/10/2016

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED	No.	REVISIONS	PROJ. ENGR	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED	DATE
	2	CH'D DWG. TO 5 SHEET FORMAT. UPDATED PLAN, CH'D SECT. "C"- "C" TO SECT. "A"- "A" AND REFER. DWGS.	TRENT RICKLEFS	11/10/2016	H.J.M.	11/26/13			PAUL STERGIU MGR. SCADA, USS, OVRHD STANDARDS & PLANNING	11/26/13
					DISCIPLINE CODE T.E.		SCALE N.T.S.		SUSHIL PARASHER PROJECT ENGINEER	11/26/13 DATE



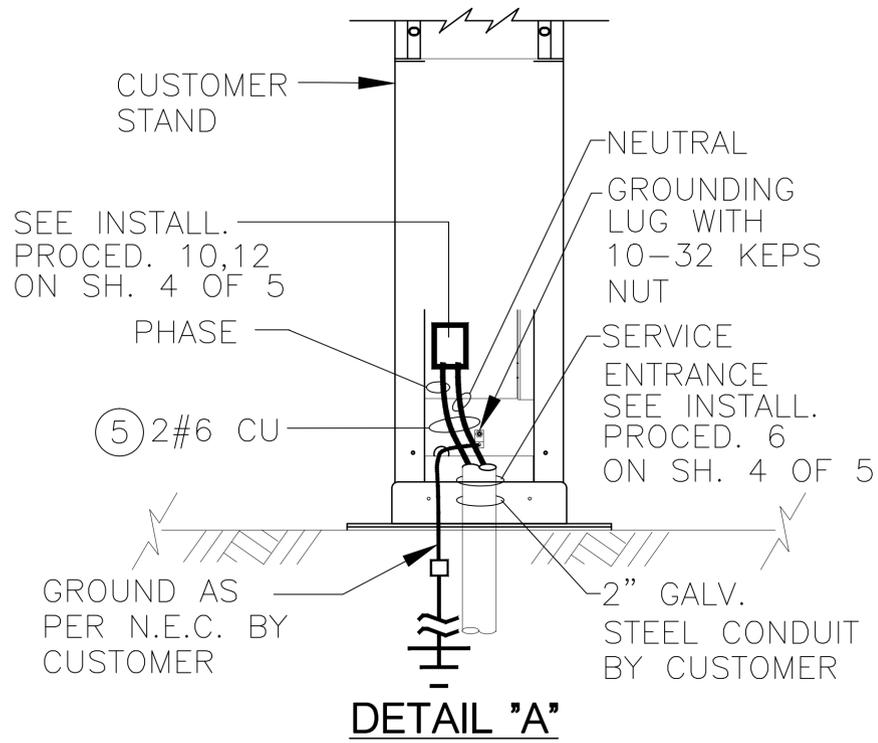
**UNDERGROUND AND OVERHEAD ELECTRIC SUPPLY TO STREET FURNITURE**

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

DATE 11/26/13 DWG. NO. **367892** REV. **2** SH. **2** OF **5**  
 LAST REV. 11/10/2016

COMPUTER GENERATED DRAWING  
 NOT TO BE HAND REVISED

No.	REVISIONS	PROJ. ENGR	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED	DATE
2	CH'D DWG. TO 5 SHEET FORMAT, UPDATED PLAN, CH'D SECT. "D"- "D" TO SECT. "B"- "B" AND REFER. DWGS.	TRENT RICKLEFS	11/10/2016	H.J.M.	11/26/13			PAUL STERGIU MGR. SCADA, USS, OVRHD STANDARDS & PLANNING	11/26/13
				DISCIPLINE CODE T.E.		SCALE N.T.S.		SUSHIL PARASHER PROJECT ENGINEER	11/26/13



*Issued*

**REFERENCE DWGS:**

SEE DWG. 367892 SHEET 1 OF 5 FOR METHOD #1 WITH PLAN, SECTION "A"-"A" AND DETAIL "B".  
 SEE DWG. 367892 SHEET 2 OF 5 FOR METHOD #2 WITH PLAN AND SECTION "B"-"B".  
 SEE DWG. 367892 SHEET 4 OF 5 FOR INSTALLATION PROCEDURE, NOTES AND REFERENCE DWGS..  
 SEE DWG. 367892 SHEET 5 OF 5 FOR BILL OF MATERIAL, REFERENCE SPECS. & DWGS. AND FILING INFORMATION.

<b>UNDERGROUND AND OVERHEAD ELECTRIC SUPPLY TO STREET FURNITURE</b>	CONSOLIDATED EDISON COMPANY OF N.Y., INC. DISTRIBUTION ENGINEERING DEPT		
	DATE 11/26/13 LAST REV. 11/10/2016	DWG. NO. <b>367892</b>	REV. <b>2</b> SH. <b>3</b> OF <b>5</b>

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED	No. 2	REVISIONS CH'D DWG. TO 5 SHEET FORMAT, UPDATED DETAIL "A". DELETED SECT. "A"-"A", "B"-"B". UPDATED REFER. DWGS.	PROJ. ENG'R TRENT RICKLEFS	DATE 11/10/2016	DRAWN BY H.J.M.	DATE 11/26/13	CHECKED BY T.E.	DATE N.T.S.	APPROVED PAUL STERGIU MGR. SCADA, USS, OVRHD STANDARDS & PLANNING	DATE 11/26/13
			PROJECT ENGINEER SUSHIL PARASHER							DATE 11/26/13

**INSTALLATION PROCEDURE:**

1. FOR UNDERGROUND SERVICE CON EDISON SHALL FURNISH AND INSTALL 2" RIGID GALVANIZED STEEL (004-0758) FROM STREET DISTRIBUTION BOX TO THE SPLICE BOX. THE CUSTOMER SHALL FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT OR CONCRETE DUCT (IN FIELD TO SUIT) FROM SPLICE BOX TO THE BOTTOM OF THE CUSTOMER STAND. THE 2" CONDUIT TO BE INSTALLED AS SWEEP BELOW THE THE CUSTOMER STAND ON ONE SIDE AND BELOW THE STREET DISTRIBUTION BOX ON THE OTHER SIDE, SHALL BE RIGID GALVANIZED STEEL CONDUIT. CONNECT STEEL OR CONCRETE DUCT TO STEEL BELOW SWEEP OF STEEL IN ACCORDANCE EO-9947-D. THE CONDUIT SHOULD BE INSTALLED 24" BELOW GRADE OR PROTECTED BY A 3/8" THICK STEEL PLATE IF THE COVER IS LESS THAN 24". THE 2" CONDUITS SHALL TERMINATE 2" INSIDE THE SPLICE BOX ON BOTH SIDES. CON EDISON TO SEAL THE CONDUIT ON COMPANY SIDE AS PER EO-1100 AND THE CUSTOMER SHALL SEAL 2" CONDUIT ON CUSTOMER SIDE, BOTH SHALL FOLLOW EO-1100.
2. FOR OVERHEAD SERVICE CON EDISON SHALL FURNISH AND INSTALL 2" RIGID GALVANIZED STEEL CONDUIT FROM THE WEATHERHEAD ON THE POLE TO THE BOTTOM INCLUDING SWEEP. THE CONDUIT FROM SWEEP TO THE SPLICE BOX SHALL BE EITHER 2" GALVANIZED OR HDPE (IN FIELD TO SUIT). HDPE MAY BE USED IN URD INSTALLATIONS ONLY, AND IN ACCORDANCE WITH EO-3036. THE CUSTOMER SHALL FURNISH AND INSTALL 2" GALVANIZED STEEL OR HDPE CONDUIT OR CONCRETE DUCT (IN FIELD TO SUIT) FROM THE SPLICE BOX TO BOTTOM OF THE CUSTOMER STAND. INSTALL STEEL OR CONCRETE DUCT ONLY FOR STREET CROSSINGS AND DRIVEWAYS. THE 2" SWEEP BELOW THE KIOSK SHALL BE 2" RIGID GALVANIZED STEEL CONDUIT. THE 2" CONDUIT SHALL BE INSTALLED 24" BELOW GRADE IN THE SIDEWALK AREAS OR PROTECTED BY A STEEL COVER IF DEPTH IS LESS THAN 24". THE 2" CONDUITS SHALL TERMINATE 2" INSIDE THE SPLICE BOX ON BOTH SIDES. CON EDISON AND CUSTOMER ARE RESPONSIBLE TO SEAL 2" CONDUIT AS PER EO-1100 IN THEIR AREA OF RESPONSIBILITY.
3. CON EDISON AND CUSTOMER SHALL FURNISH AND INSTALL 2 #6 COPPER CABLES (C&S 563-1817) IN THE 2" CONDUIT IN THEIR RESPONSIBLE SECTION. CON EDISON SHALL MAKE CONNECTIONS IN THE DISTRIBUTION BOX IN THE STREET BY UTILIZING CRABS. ONE TO THE LIVE PHASE AND THE OTHER TO THE NEUTRAL. FIELD CREWS CAN USE A SPARE CONNECTION IN THE EXISTING CRABS IN THE DISTRIBUTION BOX, IF SPARE CONNECTION IS AVAILABLE.
4. THE 2" METALLIC BEND WITH COUPLING UNDER THE CUSTOMER STAND SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER. IT WILL TERMINATE ONE FOOT BEYOND THE CURB LINE IN THE DIRECTION TOWARDS THE DISTRIBUTION BOX IN THE STREET. THE CUSTOMER SHALL SEAL THE CONDUIT ON CUSTOMER SIDE AS PER EO-1100.
5. CUSTOMER SHALL PROVIDE PROPER GROUNDING AS PER NATIONAL ELECTRIC CODE IN THE CUSTOMER STAND.
6. CUSTOMER SHALL FURNISH AND INSTALL SPLICE BOX FOR FUSE CONNECTION. CON EDISON CREWS SHALL INSTALL 15 AMPS FUSE (591-3991) IN THE 30 AMP FUSE HOLDER (C&S 571-9943) IN THE SPLICE BOX. IF IT IS NOT FEASIBLE TO INSTALL A SPLICE BOX DUE TO FIELD CONDITIONS THE FUSE MAY BE INSTALLED IN THE BASE OF THE CUSTOMER STAND, AS CLOSE TO SERVICE ENTRANCE AS POSSIBLE. THE FUSE MUST ALSO BE ACCESSIBLE.
7. CON EDISON CREWS SHALL MAKE THE FINAL CONNECTION IN THE SPLICE BOX, AFTER VERIFYING THAT THE INSTALLATION OF CONDUIT BY CON ED AND BY CUSTOMER, GROUNDING BY THE CUSTOMER AND CABLE CONNECTIONS ARE DONE PROPERLY.
8. COMPANY SHALL BE RESPONSIBLE TO INSTALL GROUND ON POLE AS PER EO-8265-B.
9. COMPANY SHALL INSTALL #2 CU JUMPER USING PARALLEL GROOVE CLAMP AS PER EO-100186 CABLE FROM NEUTRAL TO GROUND THE OH SERVICE CONDUIT ALONG THE POLE.
10. FOR UNMETERED CONNECTIONS REFER TO THE CUSTOMER STAND INSTALLATION ON SHEET 3 OF 5.
11. IF THERE IS NO POSSIBILITY OF VEHICULAR TRAFFIC, CONDUIT MAY BE INSTALLED 4" BELOW SIDEWALK WITHOUT INSTALLING STEEL PLATE COVER.
12. FOR METERED CONNECTIONS REFER TO METER SHOP GUIDELINES FOR PROPER CONNECTION INSTALLATIONS.

**NOTES:**

1. CON ED OR CUSTOMER'S NEUTRAL SHOULD NOT COME IN CONTACT WITH ANY METAL PART OF CUSTOMER STAND.
2. THE FINAL CONNECTION IS TO BE MADE BY COMPANY CREWS. THE INSPECTOR SHOULD VERIFY THAT ALL INSTALLATION IS DONE AS PER SPECIFICATION BY RELEASING THE INSTALLATION FOR FINAL CONNECTION.
3. THE POSITION OF NEUTRAL IS DIFFERENT IN DIFFERENT REGIONS. SEE EO-5869-A FOR NEUTRAL POSITION IN THE REGION WHERE WORK IS IN PROGRESS.

**REFERENCE: DWGS:**

SEE DWG. 367892 SHEET 1 OF 5 FOR METHOD #1 WITH PLAN AND SECTION "A-A" AND DETAIL "B".  
 SEE DWG. 367892 SHEET 2 OF 5 FOR METHOD #2 WITH PLAN AND SECTION "B"- "B".  
 SEE DWG. 367892 SHEET 3 OF 5 FOR DETAIL "A".  
 SEE DWG. 367892 SHEET 5 OF 5 FOR BILL OF MATERIAL, REFERENCE SPECS, & DWGS. AND FILING INFORMATION.

<b>UNDERGROUND AND OVERHEAD ELECTRIC SUPPLY TO STREET FURNITURE</b>					CONSOLIDATED EDISON COMPANY OF N.Y., INC. DISTRIBUTION ENGINEERING DEPT				
					DATE 11/26/13	DWG. NO. <b>367892</b>		REV. <b>2</b>	SH. <b>4</b> OF <b>5</b>
					LAST REV. 11/10/2016				
<b>COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED</b>	No.	REVISIONS	PROJ. ENGR	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED
	2	CH'D DWG. TO 5 SHEET FORMAT, UPDATED INSTALL. PROCED. 1,2,4,5,6 7,10,11, NOTE 1 AND REFER. DWGS..	TRENT RICKLEFS	11/10/2016	H.J.M.	11/26/13	SCALE	N.T.S.	PAUL STERGIU MGR. SCADA, USS, OVRHD STANDARDS & PLANNING SUSHIL PARASHER PROJECT ENGINEER
					DISCIPLINE CODE	T.E.			11/26/13 DATE

