

EO-6214-C

**REVISIONS**

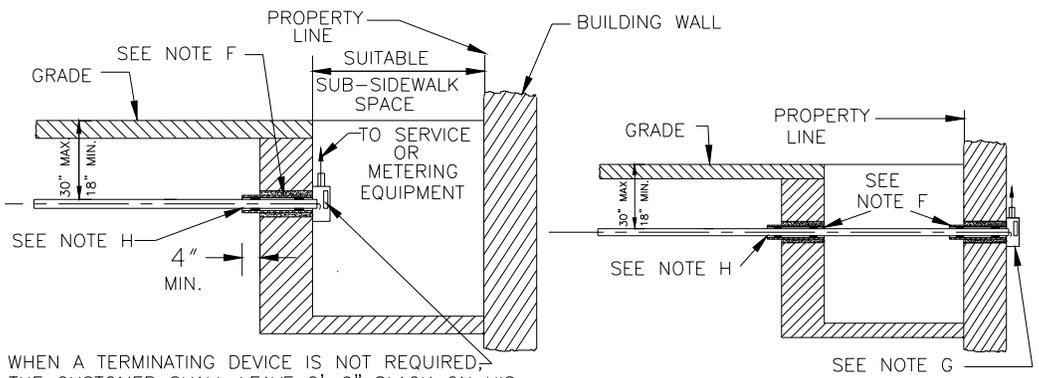
S. PARASHER 9-29-95 14  
 REDRAWN TO AUTOCAD.  
 ADDED COPPER SIZES #3, 3/0 & 350kcmil FOR CUSTOMER.  
 ADDED BOX 12"x12"x8" FOR 2/0 CU. FOR COMPANY.  
 ADDED NOTES H & I.  
 CHANGED TABLES I & II  
 V.D. 9-21-95

S. PARASHER 2/26/96 15  
 ADDED BONDING OF METALLIC CONDUIT WITH END BOX.  
 DELETED NOTE B FROM EO-9525-B, EO-9072-B, AND EO-9073-B  
 V.D. 2-16-96

S. PARASHER 5-29-97 16  
 CHANGED TABLE I. MADE 12"x12"x8" BOX FOR INDOOR USE ONLY.  
 H.J.M. 5-29-97

FIELD MANUALS  
 NO. 1: SUPV. SPLICING.  
 SECT. 9: SECOND. NO. 4: SERV. INSTL.  
 SECT. 1: SERV. UNGRND.  
 NO. 16: SERV. INSP. & CTRL.  
 SECT. 4: ELECT. SERV.  
 NO. 22: URD. SECT. 2: CABLES

CONSTRUCTION STD'S.  
 MANUAL NO. 3 SECTION NO. 36 SERVICES: UNDERGROUND



WHEN A TERMINATING DEVICE IS NOT REQUIRED, THE CUSTOMER SHALL LEAVE 2'-0" SLACK ON HIS SERVICE CABLES. THE COMPANY SHALL CONNECT ITS CABLES TO THE CUSTOMER'S CABLES.(TYP.) SEE NOTE G.  
NORMAL INSTALLATION

INSTALLATION WHERE SIDEWALK SUB-SPACE IS WHERE SIDEWALK

SIZE OF SERVICE END BOX		MAXIMUM NO. AND SIZE OF SETS COMPANY AND CUSTOMER CABLES		
INSIDE DIMENSIONS	DWG. NO. OR APPROVED EQUAL	COMPANY	CUSTOMER	
		COPPER (AWG OR kcmil)	COPPER (AWG OR kcmil)	ALUMINUM (AWG OR kcmil)
10"x 10"x 5"	SEE NOTE C	1-4-#2	1-4-#2 OR 2-4-#2 1-4-#3 OR 2-4-#3	1-4-#1/0
12"x 12"x 8"	SEE NOTE C FOR INDOOR USE ONLY	1-4-#2/0	1-4-#2/0	1-4-#4/0
24"x 12"x 8"	SEE NOTE C	1-4-#4/0	1-8-#4/0 OR 2-4-#4/0 1-8-#3/0 OR 2-4-#3/0	1-4-350 kcmil OR 2-4-350 kcmil
		1-4-#2/0	1-8-#2/0 OR 2-4-#2/0	1-4-#4/0 OR 2-4-#4/0
30"x 18"x 12"	SEE NOTE C	1-4-500kcmil	1-4-500kcmil OR 2-4-500kcmil 1-4-350kcmil OR 2-4-350kcmil	---
		1-4-#4/0	1-8-#4/0 OR 2-4-#4/0 1-8-#3/0 OR 2-4-#3/0	1-8-350 kcmil OR 2-4-350 kcmil
SEE DWG.	EO-9525-B	1-4-500kcmil 1-8-#4/0	SEE NOTE B	SEE NOTE B
SEE DWG.	EO-9072-B	2-4-500kcmil 2-8-#4/0		
SEE DWG.	EO-9073-B	3-4-500kcmil 3-8-#4/0		

- NOTES:**
- TABLE I**
- A) THE RECOMMENDED TYPES OF CONNECTORS AND METHOD OF CONNECTION ARE GIVEN IN SPEC. EO-5403.
  - B) THE CUSTOMER SHALL PROVIDE AND CONNECT HIS SERVICE CABLES TO A SUITABLE TERMINATING DEVICE UNDER ANY OF THE FOLLOWING CONDITIONS:  
 (1) WHEN CABLES OTHER THAN THOSE LISTED ARE USED.  
 (2) WHERE THERE SHALL BE 3 OR MORE SETS OF CUSTOMER CABLES OUT OF A SERVICE END BOX.
  - C) MUST BE APPROVED TYPE, SEE TABLE I OF APPROVED ELECTRIC SERVICE EQUIPMENT BOOKLET OR DESIGNATED DRAWING.
  - D) THIS SPECIFICATION IS NOT TO BE USED FOR 460 VOLT SERVICES.
  - E) IF INSTALLATION IS CONSIDERED AS OUTDOORS, ONLY APPROVED OUTDOOR TYPE BOXES SHALL BE USED.
  - F) STEEL SLEEVES SHALL BE FURNISHED AND GROUTED IN PLACE AND WATERPROOFED BY CUSTOMER ACCORDING TO EO-6217-C
  - G) SERVICE END BOX SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY CUSTOMER, SEE TABLE I. IF METALLIC CONDUIT IS USED, IT MUST BE BONDED IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.
  - H) SERVICE CONDUIT AND CABLE SHALL BE INSTALLED AND SEALED BY COMPANY IN ACCORDANCE WITH SPECIFICATIONS EO-1100 AND EO-6217-C FOR DUCT SEALING.
  - I) REFER TO SPECIFICATION EO-2055 FOR A.C. SEVICES.

APPROVED SETS OF CABLES WITH 3 PHASES AND NEUTRAL OCCUPYING ONE DUCT (2PHASE & NEUTRAL WHEN NEEDED)

COPPER (AWG OR kcmil)	ALUMINUM EQUIVALENT (AWG OR kcmil)
4- #6(3-#6)	4- #4(3-#4)
4- #3(3-#3)	4- #1/0(3-#1/0)
4- #2(3-#2)	4- #1/0(3-#1/0)
NONE	4- #3/0(3-#3/0)
4- #2/0(3-#2/0)	4- #4/0(3-#4/0)
4- 3/0(3-3/0)	4- 350(3-350)
4- #4/0(3-#4/0)	4- 350(3-350)
8- #4/0	8- 350
4- 350(3-350)	4- 500(3-500)
4- 500	8- 350

**TABLE II**

**CUSTOMERS ELECTRIC SERVICE INSTALLATION BUILDINGS WITH SUB-SIDEWALK SPACE OUTSIDE OF PROPERTY LINE INDOOR METERING**

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

DATE 3-24-53 DWG. NO. **EO-6214-C** REV. 16  
 LAST REV. 5-29-97

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

FOR APPROVAL	DIV	SIGNATURE	DATE	DRAWN BY	DATE	CHECKED BY	DATE
				DIRICO	9-21-95		
				DISCIPLINE	CODE		SCALE
							NONE
	APPROVED						
	DESIGN ENGINEER			DATE			
	RADIAL SYSTEMS SECT.			DATE			