

EO-6211-C

REVISIONS

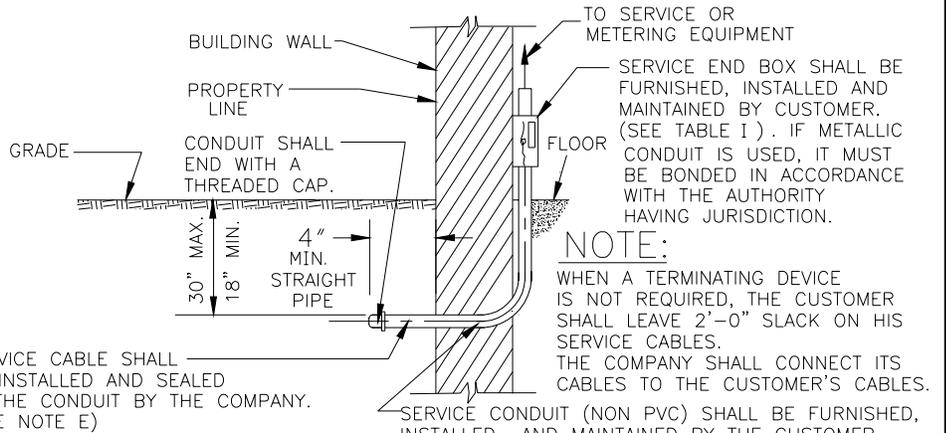
S. PARASHER
9-29-95 15
REDRAWN TO
AUTOCAD.
ADDED COPPER SIZES
#3, 3/0 & 350kcmil
FOR CUSTOMER.
ADDED BOX
12"x12"x8" FOR 2/0
CU. FOR COMPANY.
ADDED NOTES E & F.
CHANGED TABLES I&II.
V.D. 9-20-95

S. PARASHER
2-26-96 16
ADDED BONDING OF
METALLIC CONDUIT
WITH END BOX.
DELETED NOTE B
FROM EO-9225-B,
EO-9072-B, AND
EO-9073-B
V.D. 2-15-96

S. PARASHER 5-29-97 17
CHANGED TABLE I
MADE 12"x12"x8"
BOX FOR INDOOR
USE ONLY. MADE
CONDUIT AS
NON PVC.
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



SERVICE CABLE SHALL
BE INSTALLED AND SEALED
IN THE CONDUIT BY THE COMPANY.
(SEE NOTE E)

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.

NOTE:
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.
SERVICE CONDUIT (NON PVC) SHALL BE FURNISHED,
INSTALLED AND MAINTAINED BY THE CUSTOMER.
EXCEPT FOR 1,2, AND 3 FAMILY HOMES, COMPANY
MAINTAINS THE CONDUIT AS PER EO-2055.

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-#3/0 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		

TABLE I

NOTES:

- 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) REFER TO SPECIFICATIONS EO-1100 AND EO-6217-C FOR DUCT SEALING.
- F) REFER TO SPECIFICATION EO-2055 FOR A.C. SERVICES.

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 WITHOUT
BASEMENTS
AT PROPERTY LINE
INDOOR METERING**

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

DATE 3-24-53 DWG. NO. **EO-6211-C REV. 17**
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	9-20-95		
				DISCIPLINE CODE		SCALE	NONE
				APPROVED			
				DESIGN ENGINEER		DATE	
				RADIAL SYSTEMS SECT.		DATE	