

EO-6209-C

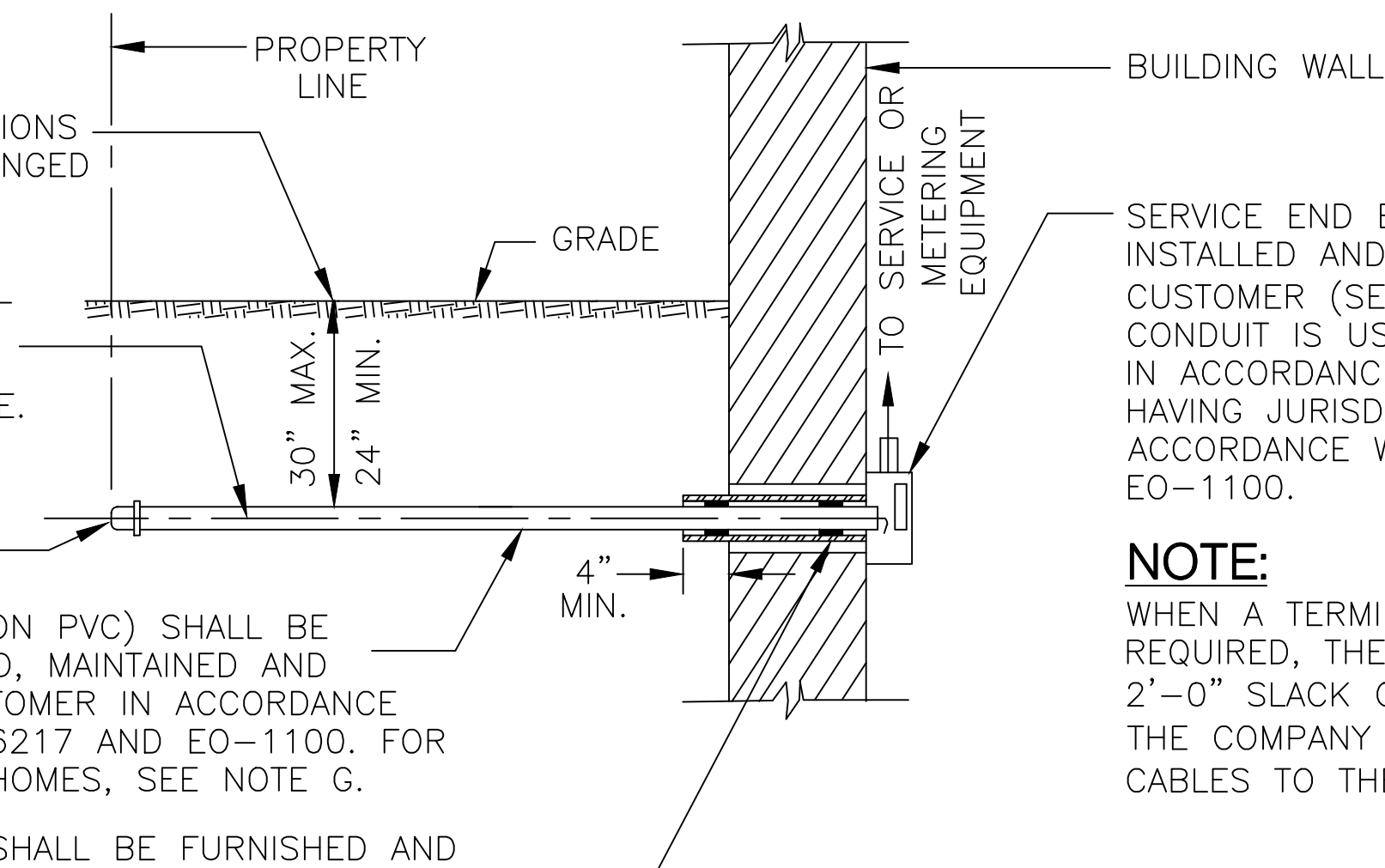
FOR NEW CONSTRUCTIONS MIN. COVER HAS CHANGED FROM 18" TO 24".

SERVICE CABLE SHALL BE INSTALLED AND SEALED IN THE CONDUIT, SEE NOTE E.

CONDUIT SHALL END WITH A THREADED CAP

SERVICE CONDUIT (NON PVC) SHALL BE FURNISHED, INSTALLED, MAINTAINED AND SEALED BY THE CUSTOMER IN ACCORDANCE WITH EO-2055, EO-6217 AND EO-1100. FOR 1, 2 AND 3 FAMILY HOMES, SEE NOTE G.

STEEL PIPE SLEEVE SHALL BE FURNISHED AND GROUDED IN PLACE AND WATERPROOFED BY THE CUSTOMER IN ACCORDANCE WITH DWG EO-6217-C



SERVICE END BOX SHALL BE FURNISHED INSTALLED AND MAINTAINED BY THE CUSTOMER (SEE TABLE 1). IF METALLIC CONDUIT IS USED, IT MUST BE BONDED IN ACCORDANCE WITH THE AUTHORITIES HAVING JURISDICTION, AND SEALED IN ACCORDANCE WITH EO-6217 AND EO-1100.

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 INSTALLATION DETAIL

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

Approved

TABLE 1

APPROVED SETS OF CABLES WITH 3 PHASES AND NEUTRAL OCCUPYING ONE CON EDISON DUCT (2 PHASE & 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 kcmil (3-350 kcmil)
4-4/0 (3-4/0)	4-350 kcmil (3-350 kcmil)
8-4/0	8-350 kcmil
4-350 kcmil (3-350 kcmil)	4-500 kcmil (3-500 kcmil)
4-500 kcmil	8-350 kcmil

TABLE 2

CUSTOMERS ELECTRIC SERVICE INSTALLATION BUILDINGS WITH BASEMENTS BACK OF PROPERTY LINE WITHOUT PROPERTY LINE BOX INDOOR METERING

REFERENCE NOTE:

SEE SHEET 2 OF 2 FOR NOTES, FILING INFORMATION, REVISION INFORMATION.

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
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DATE 3/24/53
LAST REV. 5/17/22

DWG. NO. **EO-6209-C** REV. 20 SH 1 OF 2

NO	REVISION	PROJ ENG'R	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED
20	SEE SHEET 2 OF 2	J. LONDONO	5/17	DIRICO	9/19/95			MGR. DATE
				DISCIPLINE CODE	TE	SCALE	NOT TO SCALE	DESIGN ENGINEER DATE

NOTES:

- A) THE SPECIFIED TYPE OF CONNECTORS AND METHOD OF CONNECTION ARE GIVEN IN SPEC. EO-5403. FOR NEW SERVICES, DO NOT USE SPLIT BOLT CONNECTORS, INSTEAD USE COMPRESSION CONNECTORS.
- 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 1 OF APPROVED ELECTRIC SERVICE EQUIPMENT BOOKLET.
- D) THIS SPECIFICATION IS NOT TO BE USED FOR 460 VOLT SERVICES.
- E) REFER TO SPECIFICATION EO-1100NAND EO-6217-C FOR DUCT SEALING.
- F) REFER TO SPECIFICATION EO-2055 FOR A.C. SERVICES.
- G) FOR SERVICES TO ALL ONE, TWO AND THREE FAMILY HOMES, A MINIMUM 3-#2 COPPER SERVICE CABLES SHALL BE INSTALLED IN A NON-PVC CONDUIT. MAINTENANCE OF THE SERVICE CABLE TO THE POINT OF TERMINATION AND THE SERVICE CONDUIT TO THE BUILDING'S EXTERIOR WALL SHALL BE THE COMPANY'S RESPONSIBILITY.
- H) FOR 1, 2 AND 3 FAMILY HOMES :
 - 1. NEW SERVICES : FOR ALL NEW SERVICES THE COMPANY SHALL MAKE THE FINAL SPLICE IN THE CUSTOMER'S SERVICE END BOX.
 - 2. EXISTING SERVICES :
 - 2.1 IN INSTANCES WHERE THE SERVICE CABLE SIZE IS LARGER THAN #2 CU FOR EXISTING 1, 2 AND 3 FAMILY HOMES, THE COMPANY SHALL MAKE THE FINAL SPLICE OR MECHANICAL CONNECTION IN THE CUSTOMER'S SERVICE END BOX.
 - 2.2 IN INSTANCES WHERE THE SERVICE CABLE SIZE IS #2 CU OR SMALLER FOR EXISTING 1,2 AND 3 FAMILY HOMES, IT IS PERMISSIBLE FOR THE CONTRACTOR TO MAKE THE FINAL SPLICE OR MECHANICAL CONNECTION IN THE CUSTOMER'S SERVICE END BOX USING COMPANY APPROVED CONNECTORS.
 - 3. EXISTING SERVICES WITH ADEQUATE SERVICE :
 - 3.1 IN INSTANCES WHERE THE INCOMING SERVICE IS ADEQUATE AND THE SERVICE CABLE SIZE IS #2 CU OR SMALLER, IT IS PERMISSIBLE FOR THE CONTRACTOR TO DISCONNECT IN THE END LINE BOX IN ORDER TO PERFORM REPAIRS OR UPGRADES TO THE CUSTOMER OWNED EQUIPMENT.
 - 3.2 IN INSTANCES WHERE THE INCOMING SERVICE IS ADEQUATE AND THE SERVICE CABLE SIZE IS #2 CU OR SMALLER, IT IS PERMISSIBLE FOR THE CONTRACTOR TO RE-CONNECT IN THE END LINE BOX FOLLOWING REPAIRS OR UPGRADES TO THE CUSTOMER OWNED EQUIPMENT USING COMPANY APPROVED CONNECTORS.
 - 3.3 CONTRACTORS MUST NOT RECONNECT UNTIL THE AUTHORITY HAVING JURISDICTION HAS ISSUED PROPER DOCUMENTATION AND ALL REQUIRED DOCUMENTATION HAS BEEN SUBMITTED TO ENERGY SERVICES.
- 4. FOR ALL DISCONNECTS AND RECONNECTS COVERED UNDER THIS SECTION, CON EDISON WILL SUPPLY THE APPROVED COMPANY CONNECTORS FOR USE BY THE CONTRACTOR IN THE CUSTOMER'S SERVICE END BOX.

Approved

NO.	REVISIONS	PROJ. ENGR
18	-ADDED NOTE H, SERVICE INSTALLATION DETAIL DESIGNATION AND SHEET 2.	J. LONDONO 6/25/18
19	-SHEET 1 OF 2: CHANGED MIN. COVER FROM 18" TO 24" FOR NEW CONSTRUCTIONS. UPDATED TABLE 1. UPDATED TABLE 2.	J. LONDONO 11/10/21
20	-SHEET 1 OF 2: UPDATED TABLE 1. UPDATED TABLE 2. -SHEET 2 OF 2: UPDATED NOTE C.	J. LONDONO 5/17/22
Z. RAMEZANI		5/17/22

FILING INFORMATION
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

CUSTOMERS ELECTRIC SERVICE
INSTALLATION
BUILDINGS WITH BASEMENTS
BACK OF PROPERTY LINE
WITHOUT PROPERTY LINE
BOX INDOOR METERING

REFERENCE NOTE:
SEE SHEET 1 OF 2 FOR SERVICE INSTALLATION DETAIL, TABLE 1, AND TABLE 2.

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						DESIGN ENGINEER		DATE