

NOTES :

- A) THE SPECIFIED TYPES 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 CABLE 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'S CABLES OUT OF A SERVICE END BOX.
- C) SERVICE END BOX (IF REQUIRED) MUST BE APPROVED TYPE AND BE WATERPROOFED. SEE TABLE I OF APPROVED ELECTRIC SERVICE EQUIPMENT BOOKLET.
- D) **THIS SPECIFICATION IS NOT TO BE USED FOR 460 VOLT SERVICES.**
- E) SERVICE END BOX SHALL NOT BE INSTALLED FOR ONE, TWO AND THREE FAMILY HOMES, UNLESS REQUIRED TO COMPLY BY LOCAL CODES, FOUND NECESSARY TO PULL THE SERVICE OR METERS ARE BELOW GRADE.
- F) 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 CABLES TO THE POINT OF TERMINATION AND THE SERVICE CONDUIT TO THE BUILDING'S EXTERIOR WALL SHALL BE THE COMPANY'S RESPONSIBILITY.

SIZE OF SERVICE END BOX		SIZE AND NUMBER OF SETS COMPANY AND CUSTOMER CABLES		
INSIDE DIMENSIONS	DWG. NO. OR APPROVED EQUAL	COMPANY CABLE	CUSTOMER CABLE	
		COPPER (AWG OR kcmil)	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		

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

REF. SPECS. :

- ELECTRIC SERVICE CONDUIT FOR A.C. SECONDARY SERVICES ----- EO-1032
- TRENCHING REQUIREMENTS FOR INSTALLING URD CABLES IN CONDUITS AND JOINT TRENCHING ----- EO-1066
- SAFE PULLING LENGTHS FOR U.G. CABLES -----EO-1090
- SEALING OF SERVICE DUCTS, ENTRANCES & BUS OPENINGS
- ELECTRICAL DISTRIBUTION STRUCTURES ----- EO-1100
- A.C. SERVICES -----EO-2055
- UNDERGROUND COPPER AND ALUMINUM SERVICE CONNECTION ----- EO-5403
- METHOD OF SEALING PHASE GROUPED CABLES & CONDUITS FOR SERVICES, MANHOLES & VAULTS ----- EO-6217-C
- INSTALLATION OF INDOOR WATTHOUR METER SOCKETS ON LINE SIDE OF SERVICE DISCONNECTS ----- MES-395

**CUSTOMER'S ELECTRIC SERVICE INSTALLATION
BUILDING WITH OR WITHOUT BASEMENT, BACK OF PROPERTY
LINE, WITHOUT PROPERTY LINE BOX OUTDOOR METERING**

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

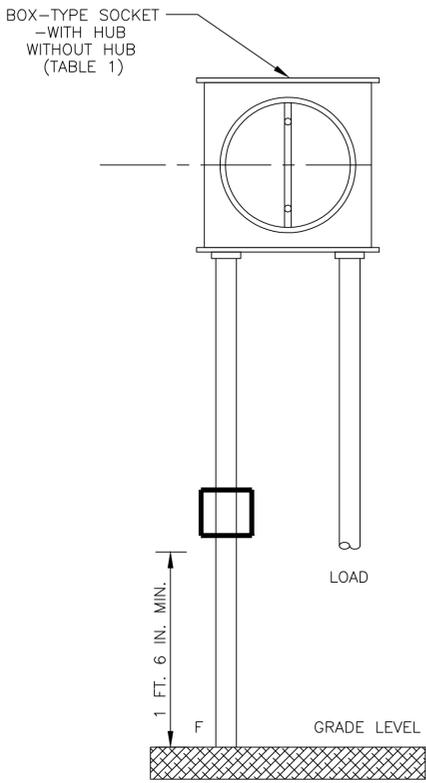
DATE 3/24/53
LAST REV. 5/17/22

DWG. NO. **EO-6215-B** REV. **20** SH. **1** OF **2**

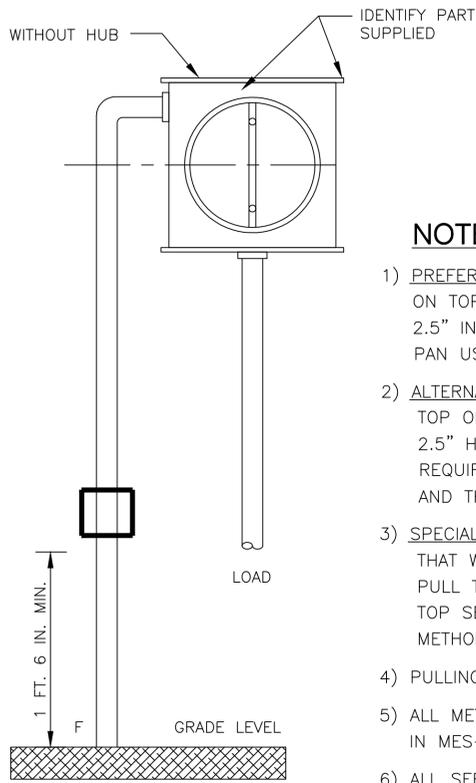
COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

No.	REVISIONS	PROJ. ENG'R	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED
20	SEE SHEET 2 OF 2	J. LONDONO	5/17/22	DIRICO	9/21/95			MGR. DESIGN ENGINEER
				DISCIPLINE CODE		SCALE	NOT TO SCALE	TRANS & DIST STRUCTURES ENGINEER

CONVERTING EXISTING OVERHEAD SERVICE TO UNDERGROUND SERVICE

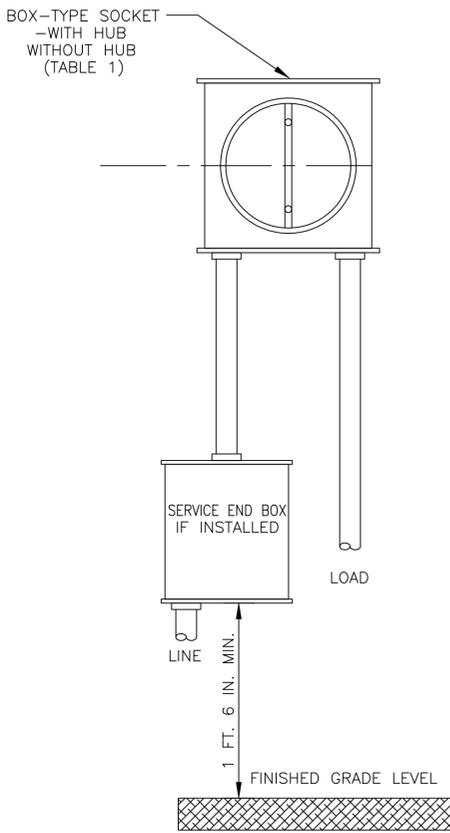


PREFERRED METHOD

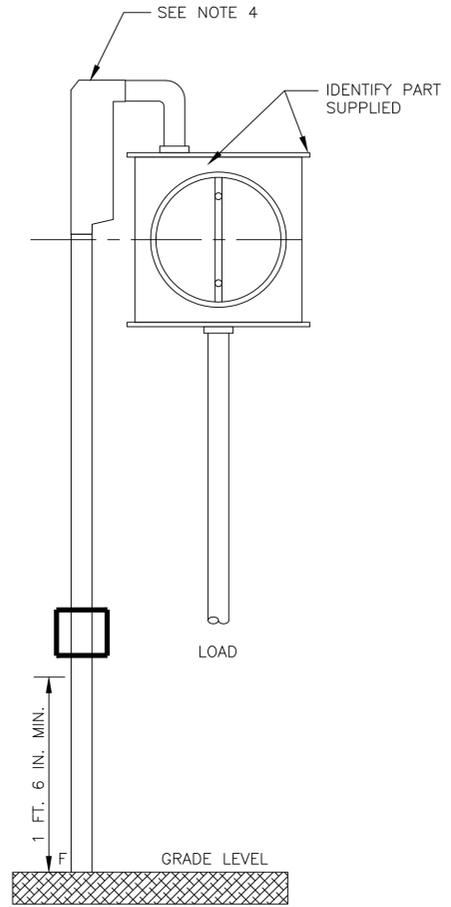
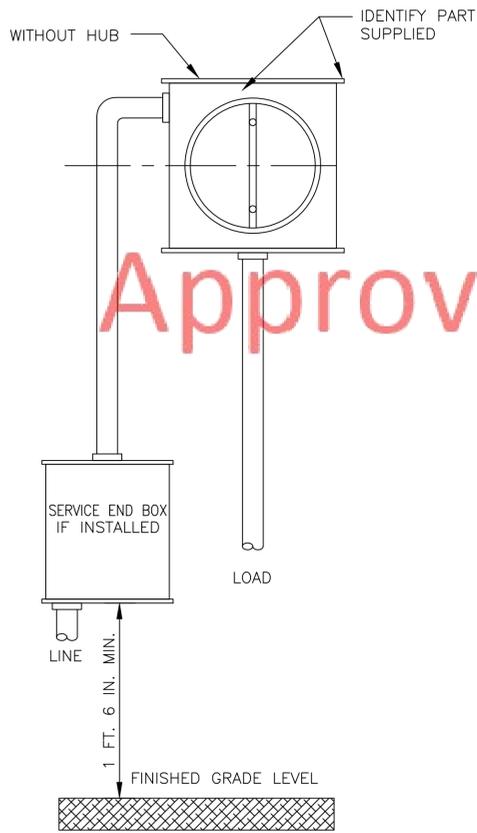


NOTES :

- 1) PREFERRED METHOD - REMOVE THE EXISTING SERVICE AND SEAL THE OPEN KNOCKOUT ON TOP OF THE METER PAN WITH THE HOFFMAN CONDUIT SEAL, 2.0" CONDUIT SIZE, 2.5" IN HOLE DIA. SERVICE CABLES ARE PULLED DIRECTLY INTO THE CUSTOMER'S METER PAN USING ONLY PREMADE FACTORY KNOCKOUTS.
- 2) ALTERNATE METHOD - REMOVE THE EXISTING SERVICE AND SEAL THE OPEN KNOCKOUT ON TOP OF THE METER PAN WITH THE HOFFMAN CONDUIT HOLE SEAL, 2.0" CONDUIT SIZE, 2.5" HOLE DIA. USE A SERVICE END BOX MOUNTED TO THE CUSTOMER'S BUILDING IF REQUIRED FOR PULLING REASONS. SERVICE CABLES ARE PULLED INTO THE SERVICE END BOX AND THEN TO THE CUSTOMER'S METER PAN USING ONLY PREMADE FACTORY KNOCKOUTS.
- 3) SPECIAL - IF NO KNOCKOUTS EXIST OR IF THE METER PAN IS NOT IN A CONDITION THAT WILL ALLOW CABLES TO BE PULLED INTO IT, YOU MAY USE THE SPECIAL METHOD. PULL THE CABLES TO A PULLING ELBOW (SEE NOTE 4) AND THEN THROUGH THE SAME TOP SERVICE ENTRANCE AS THE PREVIOUS OVERHEAD SERVICE. CABLES USED IN THIS METHOD WILL BE LIMITED TO #2 CU AS THE LARGEST CABLES ALLOWED.
- 4) PULLING ELBOW WILL THE BRIDGEPORT MLB-46 2" MOGUL CONDUIT BODY.
- 5) ALL METER PAN INSTALLATIONS SHOULD ADHERE TO AND MEET ALL REQUIREMENTS DESCRIBED IN MES-394.
- 6) ALL SERVICE END LINE BOXES SHALL BE EQUIPPED WITH A CON EDISON APPROVED LOCKING DEVICE.



ALTERNATE METHOD



SPECIAL METHOD

Approved

No.	REVISIONS	PROJ. ENG'R	DATE
18	-SHEET 2 OF 2: ADDED NOTE 6.	T. RICKLEFS	8/25/21
19	-SHEET 1 OF 2: CHANGED MIN. COVER FROM 18" TO 24" FOR NEW CONSTRUCTIONS. UPDATED TABLE 1. UPDATED TABLE 2.	J. LONDONO	1/5/22
20	-SHEET 1 OF 2: UPDATED TABLE 1. UPDATED TABLE 2. UPDATED NOTE C.	J. LONDONO	5/17/22
Z. RAMEZANI		5/17/2022	

FILING INFORMATION
FIELD MANUAL: NO.1: SUPV. SPLICING SECT. 9: SECONDARY
FIELD MANUAL: NO.16: SERV. INSP. & CTRL SECT.4: ELECT. SERV.
FIELD MANUAL NO.22 U.R.D. SECT.2:CABLES
CONST.STD'S MANUAL NO.3 SECT. NO.36: SERVICES: UNDERGROUND

CUSTOMER'S ELECTRIC SERVICE INSTALLATION BUILDING WITH OR WITHOUT BASEMENT, BACK OF PROPERTY LINE, WITHOUT PROPERTY LINE BOX OUTDOOR METERING	CONSOLIDATED EDISON COMPANY OF N.Y., INC. DISTRIBUTION ENGINEERING DEPT	
	DATE 3/24/53 LAST REV. 5/17/22	DWG. NO. EO-6215-B REV. 20 SH. 2 OF 2

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED	No. 20	REVISIONS SEE REVISION BOX ABOVE	PROJ. ENG'R J. LONDONO	DATE 5/17/22	DRAWN BY DIRICO	DATE 9/21/95	CHECKED BY SCALE NOT TO SCALE	APPROVED MGR. DESIGN ENGINEER DATE TRANS & DIST STRUCTURES ENGINEER DATE
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