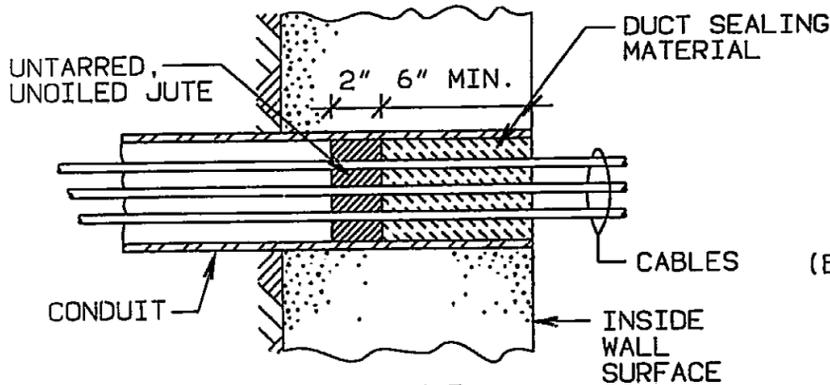
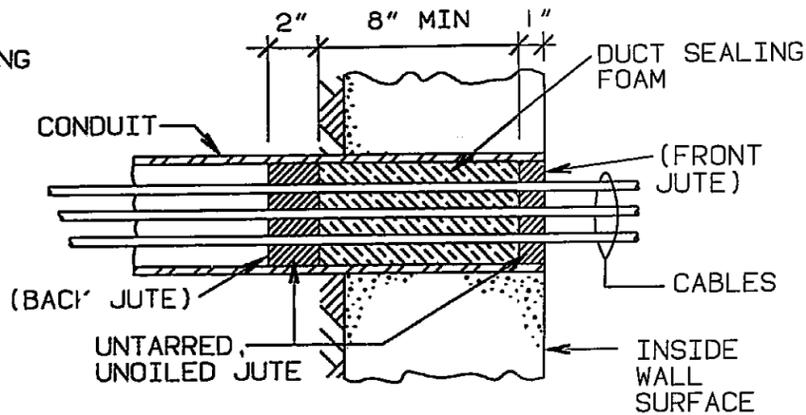


REVISIONS

1/31/92  
 Luv. Ortega gmm 10  
 REDRAWN TO  
 CADAM AND  
 CHANGED TITLE,  
 ADDED CASES I & II  
 AND UPDATED INFO.  
 JV 1/31/92



**CASE I**  
 ORDINARY DUCT SEALING MATERIAL (PUTTY)

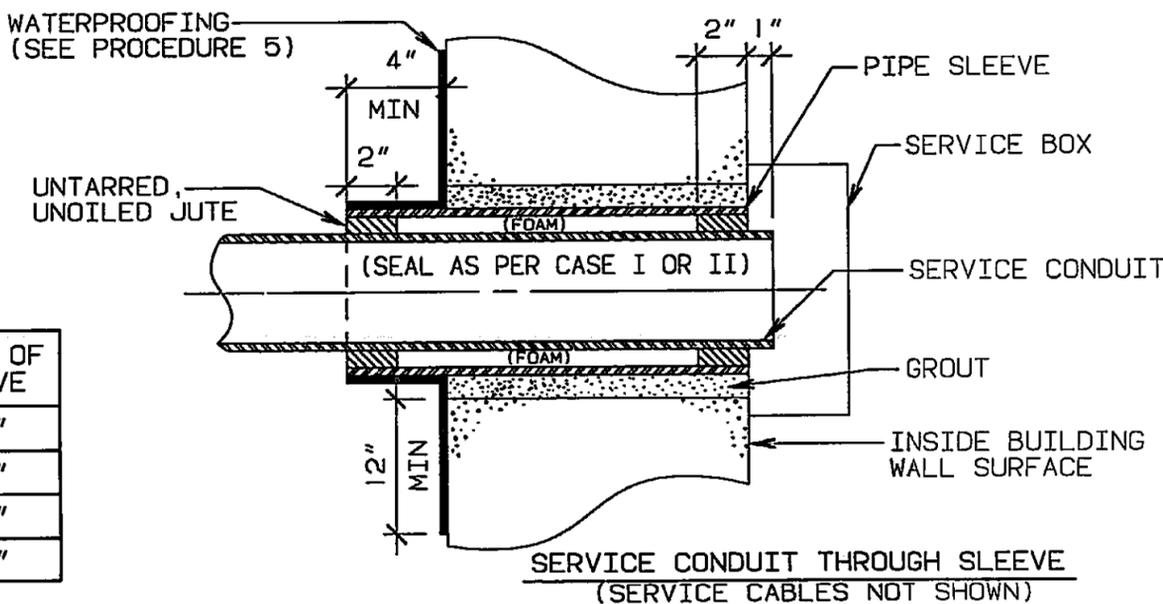


**CASE II**  
 SPECIAL DUCT SEALING FOAM

**1-TO SEAL CABLES INSIDE CONDUIT**

**CASE I-** APPLY UNTARRED, UNHOILED JUTE PACKING AROUND THE OUTSIDE OF AND IN THE SPACES BETWEEN THE CABLES IN SUCH A MANNER AS TO COMPLETELY FILL THE DUCT. USE SHORT PIECES OF THIS JUTE (2" TO 6" LONG) AND PACK THEM TIGHTLY. INSERT APPROVED DUCT SEALING MATERIAL (EO-100,023), AND MAKE SURE THAT A COMPLETE BOND IS ACHIEVED AROUND EDGE OF CONDUIT AND CABLES. CABLES SHALL BE KEPT APART AND AWAY FROM EDGE OF CONDUIT BY SEALING MATERIAL.

**CASE II-** APPLY UNTARRED, UNHOILED JUTE PACKING AROUND THE OUTSIDE OF AND IN THE SPACES BETWEEN THE CABLES IN SUCH A MANNER AS TO COMPLETELY FILL THE DUCT. USE SHORT PIECES OF THIS JUTE (2" TO 6" LONG). INSERT TIP OF DISPENSING TUBE OR CARTRIDGE THROUGH FRONT JUTE PACKING TO INJECT THE APPROVED FOAM (EO-100,023) AS PER MANUFACTURER'S DIRECTIONS IN THE SPACE BETWEEN THE JUTE PLUGS.



SIZE OF SERVICE CONDUIT	SIZE OF SLEEVE
2"	4"
3"	6"
4"	6"
5"	8"

**2-TO SEAL SERVICE CONDUIT IN SLEEVE**

APPLY UNTARRED, UNHOILED JUTE PACKING BETWEEN CONDUIT AND SLEEVE IN SUCH A MANNER AS TO COMPLETELY FILL THE SPACE. INSERT APPROVED DUCT SEALING FOAM MATERIAL AS NOTED ON CASE II ABOVE, AND MAKE SURE THAT A COMPLETE BOND IS ACHIEVED BETWEEN CONDUIT AND SLEEVE

**3-TO GROUT SLEEVE IN WALL (BY CUSTOMER)**

THE GROUT FOR SEALING THE SLEEVE IN WALL SHALL BE A 1:3 MIXTURE CONSISTING OF ONE PART OF PORTLAND CEMENT AND 3 PARTS OF CLEAN SAND WITH A MINIMUM OF WATER. THE SLEEVE SHALL BE FREE FROM MILL SCALE, RUST, GREASE, OR OTHER DEFECTS. CARE SHOULD BE TAKEN TO HAVE THE GROUT IN COMPLETE CONTACT WITH THE ENTIRE SURFACE OF THE SLEEVE PASSING THROUGH THE WALL.

**4-TO SEAL EMPTY DUCTS**

WHEN SEALING EMPTY DUCTS IN MANHOLES, VAULTS, SERVICE BOXES OR IN CUSTOMER'S PREMISES, FIRST PREPARE JUTE PLUGS AT LEAST 2" DEEP AND INSERT THEM TIGHTLY IN DUCT OR SERVICE CONDUIT. APPLY APPROVED DUCT SEALING MATERIAL AGAINST THE JUTE PLUGS AS SHOWN IN CASE I OR II. MOLDED PLASTIC PLUGS ARE ALSO ACCEPTABLE.

**5-WATERPROOFING (BY CUSTOMER)**

THE WATERPROOFING SHALL BE APPLIED BY THE CUSTOMER TO FORM A CONTINUOUS MEMBRANE EXTENDING FROM THE END OF THE SLEEVE TO A POINT ON THE WALL AT LEAST 12" BEYOND THE GROUTLINE.

**REFERENCE SPECS.:**

- EO-1100.....SEALING OF SERVICE DUCTS, ENTRANCES, AND BUS OPENINGS IN ELECTRICAL DISTR. STRUCTS.
- EO-10864-D....MOLDED PLASTIC PLUG FOR CONDUITS.
- SUPERSEDES EO-4557-D AND EO-1362-C

NOTE: IN THOSE CASES WHERE THE CUSTOMER INSTALLS THE SERVICE CONDUIT, THE WALL SLEEVE MAY BE OMITTED. HOWEVER, IF THE WALL SLEEVE IS OMITTED, THE SERVICE CONDUIT SHALL BE GROUTED IN THE WALL AND WATERPROOFED IN THE SAME MANNER AS INDICATED FOR THE WALL SLEEVE. ALSO, THE SERVICE CONDUIT MUST EXTEND TO A MIN. OF 1' BEYOND THE PROPERTY LINE. THE CUSTOMER IS RESPONSIBLE FOR ANY LEAK WHICH OCCURS ON THE OUTSIDE OF PIPE OR SLEEVE.

**METHOD OF SEALING PHASE GROUPED CABLES AND CONDUITS FOR SERVICES, MHS AND VAULTS.**

CONSOLIDATED EDISON COMPANY OF N. Y. INC.  
 ELECTRICAL ENGINEERING DEPARTMENT

DATE 03/24/53 DWG. **EO-6217-C** REV. 10  
 LAST REV. 1/31/92 NO.

- FIELD MANUALS:  
 NO.3-CABLE PULL,  
 SECT.4-SEALING  
 OF DUCTS
- NO.4-SERV. INSTL.,  
 SECT.1-SERV. UNGRD
- NO.11-SUB. CONST.,  
 SECT.2-DUCT  
 ARRANGEMENT
- NO.16-SERV. INSP.,  
 AND CONTROL,  
 SECT.4-ELEC. SERV.
- NO.17-SURVEY,  
 SECT.2-SUBWAY
- CONST. STANDARDS  
 MANUAL NO. 3,  
 SECTION 36-  
 SERVICES

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED  
 NEXT SCHEDULED REVIEW 2/97

FOR APPROVAL	DIV	SIGNATURE	DATE	DRAWN BY	DATE	CHECKED BY	DATE
				JV	5/28/91		
				TRACED BY	DATE	SCALE	
				APPROVED			
				CHIEF DESIGN ENGINEER	DATE		
				ELECT. DIST. ENGINEER	DATE		