

EO-6218-B

5/8" GALVANIZED BOLTS (USED TO ATTACH MULTIPLEX SERVICE CABLE OR SECONDARY BRACKET FOR OPEN WIRE CABLE) SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CUSTOMER.

APPROVED WEATHERHEAD TO BE INSTALLED WITHIN 9 TO 18 INCHES ABOVE SERVICE ATTACHMENT. WHERE INSTALLATION ABOVE ATTACHMENT IS IMPOSSIBLE, THE WEATHERHEAD MUST BE KEPT WITHIN 24 INCHES OF ATTACHMENT AND DRIP LOOPS ARE TO BE FORMED ON INDIVIDUAL CONDUCTORS

SERVICE ENTRANCE CONDUCTORS SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CUSTOMER AND ARE TO HAVE 18 INCHES OF SLACK.

CONNECTOR (SEE NOTES 6 TO 9 SH. 2)

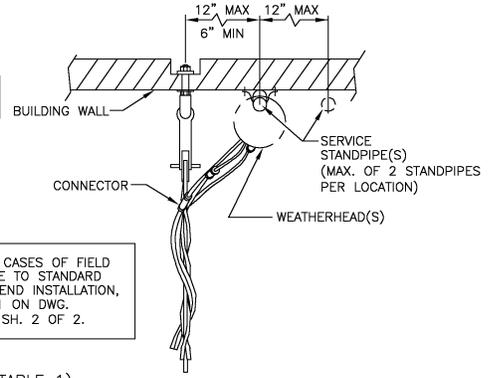
IF A DRIP LOOP EXISTS, THE ATTACHMENT HEIGHT STILL APPLIES TO THE BOTTOM OF THE DRIP LOOP.

STANDARD EYELET DEADEND (C&S#007-0904) INSTALLATION

SERVICE CONDUCTORS SHALL BE INSTALLED BY THE COMPANY.

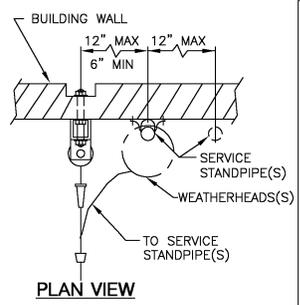
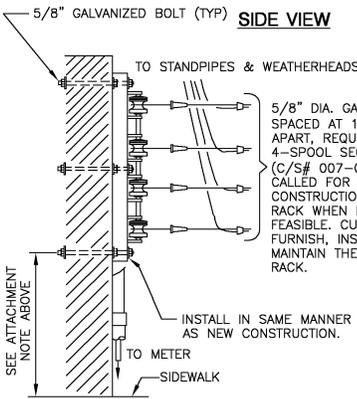
SERVICE STANDPIPE AND WEATHERHEAD SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CUSTOMER. A MAXIMUM OF TWO STANDPIPES SHALL BE INSTALLED AT ANY ONE LOCATION.

ATTACHMENT NOTE
ATTACHMENT MUST BE A MINIMUM OF 16'-0" ABOVE SIDEWALK GRADE (12'-0" IN WESTCHESTER AS PER EO-8746-B). IF BUILDING IS NOT OF SUFFICIENT HEIGHT, THE POINT OF ATTACHMENT SHALL BE PROVIDED BY THE CUSTOMER AND SHALL MEET THE APPROVAL OF THE COMPANY.



TO ADDRESS CASES OF FIELD INTERFERENCE TO STANDARD EYELET DEADEND INSTALLATION, SEE NOTE 11 ON DWG. EO-6218-B SH. 2 OF 2.

(FOR CABLE CONFIGURATION AND MAXIMUM SPAN, SEE TABLE 1)
MULTIPLEX SERVICE CABLE (SELF SUPPORTING)



WIRE HOLDER, PORCELAIN SEE EO-100,058
WIRE HOLDER THREAD TO BE 4" LONG FOR FRAME BLD'G'S, 6" LONG FOR BRICK VENEER. HOLDER MUST BE SCREWED INTO CORNER STUD OR UPRIGHT.

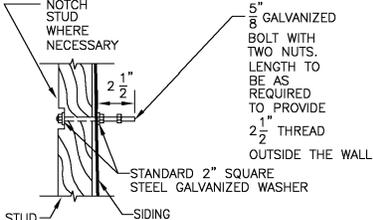
SERVICE HOOK WOOD FRAME CONSTRUCTION ONLY

SCREW TYPE PIN INSULATOR **ATTACHMENT USING CABLE PULLING GRIP**

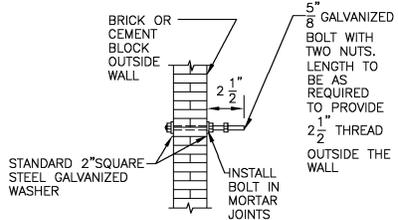
ALTERNATE METHOD FOR SINGLE EXISTING SERVICE ATTACHMENT AT BUILDING

(FOR CABLE CONFIGURATION AND MAXIMUM SPAN, SEE TABLE 2)
OPEN WIRE SERVICE CABLE (RACK CONSTRUCTION)

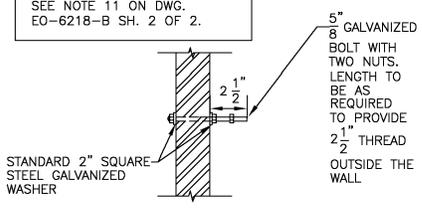
(DO NOT ATTACH RACK TO PIPE MAST)



A1 WOOD FRAME OR BRICK VENEER BUILDING FOR SINGLE BOLT CONSTRUCTION



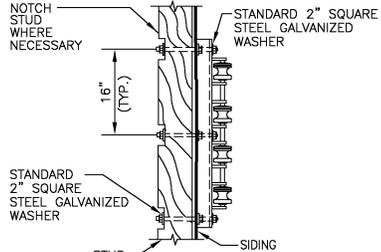
A2 MASONRY BUILDING FOR SINGLE BOLT CONSTRUCTION



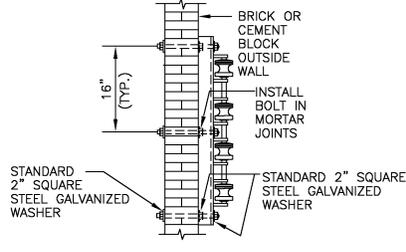
A3 METAL FRAME FOR SINGLE BOLT CONSTRUCTION

TO ADDRESS CASES OF FIELD INTERFERENCE TO STANDARD EYELET DEADEND INSTALLATION, SEE NOTE 11 ON DWG. EO-6218-B SH. 2 OF 2.

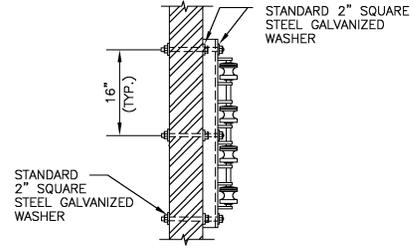
A. INSTALLATION OF NEW CONSTRUCTION BUILDING ATTACHMENT DETAILS FOR MULTIPLEX SERVICES ONLY



B.1 WOOD FRAME OR BRICK VENEER BUILDING FOR RACK CONSTRUCTION



B.2 MASONRY BUILDING FOR RACK CONSTRUCTION



B.3 METAL FRAME FOR RACK CONSTRUCTION

B. BUILDING ATTACHMENT DETAILS FOR EXISTING SERVICES ONLY WHEN CAPACITY OF 4/0 ALUMINUM MULTIPLEX SERVICE HAS BEEN EXCEEDED (USE ONLY WHEN COST EFFECTIVE)

No.	REVISIONS	PROJ. ENGR	DATE
18	UPDATED NOTES IN MULTIPLEX SERVICE CABLE, OPEN SERVICE WIRE & INSTALLATION OF NEW CONSTRUCTION SECTIONS. SEE EO-6218-B SH. 2 OF 2 FOR CHANGES.	L. ORTEGA	06/02/05
	HJMARK		06/02/05

SEE DWG. EO-6218-B SH. 2 OF 2 FOR CONSTRUCTION NOTES AND REFERENCE SPECIFICATIONS.

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53 DWG. NO. EO-6218-B REV. 18 SH. 1 OF 2

LAST REV. 06/02/05

COMPUTER GENERATED DRAWING	No.	REVISIONS	PROJ. ENGR	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED
NOT TO BE HAND REVISED					J.T. ABRUSCATO	4/14/04			MAGGIE CHOW NON-NETWORK SYSTEMS MANAGER
					DISCIPLINE CODE		SCALE		LUIS ORTEGA PROJECT ENGINEER

TABLE 1

MULTIPLEX WIRE MAXIMUM SERVICE LENGTH AND SAG	
SERVICE	LENGTH - SAG (IN FEET)
3-1/0 AL	130 - 3
4-1/0 AL	128 - 4
3-4/0 AL	110 - 4
4-4/0 AL	102 - 4

TABLE 2

OPEN WIRE RACK CONSTRUCTION MAXIMUM SERVICE LENGTH AND SAG	
SERVICE	LENGTH - SAG (IN FEET)
3-4/0 CU	105 - 4
4-4/0 CU	100 - 4

TABLE 3

ALUMINUM OR COPPER WIRE SIZE							
MAIN RUN		TYPE	TAP		SPEC. NO.	C/S#	* KIT (IF APPLICABLE)
MAX.	MIN.		MAX.	MIN.			
#2	#8	PARALLEL GROOVE	#2	#8	EO-100,186	571-5404	
2/0	#6	PARALLEL GROOVE	2/0	#6	EO-100,186	571-5412	
400 Kcmil	3/0	PARALLEL GROOVE	2/0	#6	EO-100,186	571-5420	
1/0	1/0	COMPRESSION	1/0	1/0	EO-100,186	571-0470	
#2	#2	COMPRESSION	#2	#2	EO-100,186	571-0462	
VARIOUS		MINIWEDGE	VARIOUS		EO-100,186	VARIOUS	

SERVICE CONDUCTOR MAX. SPAN BY SIZE AND TYPE

CONNECTORS FOR OVERHEAD SERVICE CONDUCTORS

* KIT COMPONENTS: CONNECTOR WITH BREAKAWAY DESIGN (FOR PGC ONLY) PLUS INSULATING COVER, OR MINIWEDGE PLUS INSULATING COVER.

CONSTRUCTION NOTES:

- IN NYC INSTALLATION SHALL MEET REQUIREMENTS OF THE NYC ELECTRICAL CODE. IN WESTCHESTER THE NATIONAL ELECTRICAL CODE OR LOCAL MUNICIPAL CODES SHALL BE FOLLOWED. SHOULD THIS SPECIFICATION COME IN VARIANCE WITH ANY OF THESE CODES, THE LOCAL CODE SHALL TAKE PRECEDENCE.
- ATTACHMENT AND SELF-SUPPORTING CONDUCTORS SHALL HAVE A CLEARANCE IN ANY DIRECTION OF NOT LESS THAN 3'-0" FROM WINDOWS, DOORS, PORCHES, FIRE ESCAPES, OR SIMILAR LOCATIONS. EXCEPTION: CLEARANCE DOES NOT APPLY ABOVE THE TOP LEVEL OF A WINDOW, OR TO WINDOWS THAT ARE NOT DESIGNED TO OPEN.
- ATTACHMENT AND COVERED OPEN SUPPLY CONDUCTORS (NOT SELF-SUPPORTING CABLE) SHALL HAVE A CLEARANCE IN ANY DIRECTION OF NOT LESS THAN 3'-0" FROM WINDOWS, DOORS, PORCHES, FIRE ESCAPES, OR SIMILAR LOCATIONS.
- ALL HOLES THROUGH WALLS SHALL BE WEATHERPROOFED BY THE CUSTOMER.
- SERVICE CONNECTION SHALL BE DIRECTLY ACCESSIBLE FROM A LADDER PLACED ON THE GROUND.
- FOR EMERGENCY TEMPORARY REPAIR OR SERVICE RELOCATION, COMPANY CREWS CAN MAKE ALTERNATE ATTACHMENTS AS PER EO-16279-B.
- COMPANY CREWS ARE RESPONSIBLE FOR MAKING THE FINAL CONNECTIONS FOR EXISTING AND NEW SERVICES INSTALLED BY CON EDISON BY USING ANY CONNECTOR LISTED ON TABLE 3 (SEE NOTE 8).
- CUSTOMER'S ELECTRICIAN IS REQUIRED TO MAKE FINAL CONNECTION ON THE EXISTING SERVICES FOR 1-2 AND 3 FAMILY HOMES BY UTILIZING ONLY COMPANY APPROVED CONNECTORS WITH PLASTIC COVERS OR COMPANY APPROVED COMPRESSION CONNECTORS (SEE TABLE 3). DO NOT TAPE PLASTIC COVERED MINIWEDGES, PARALLEL GROOVE CLAMPS OR COMPRESSION CONNECTORS.
- BEFORE MAKING THE CONNECTIONS, ALUMINUM OR COPPER CONDUCTORS MUST BE WIRE BRUSHED, CLEANED AND THEN COATED IMMEDIATELY WITH AN OXIDE INHIBITOR SUCH AS "PENETROX".
- SERVICE CONDUCTOR CONNECTORS NOT LISTED ON TABLE 3 MAY BE USED IF LISTED ON EO-100,186.
- FOR SPECIAL CASES WHERE ATTACHMENTS/FIXTURE INTERFERE WITH PROPER INSTALLATION OF STANDARD EYELET DEADEND AND SUCH INTERFERENCE CAN NOT BE CORRECTED, USE ONLY ONE OF THE APPROVED ITEMS LISTED ON TABLE 4.
- VERTICAL CLEARANCE FROM GRADE TO SPAN POINT WITH MAXIMUM SAG TO MEET VALUES OF EO-4647-C.

REGIONAL DISTRIBUTION ENGINEERING TO ASSESS POLE STRENGTH BEFORE SERVICE CONDUCTORS ARE INSTALLED.

REFERENCE SPECIFICATIONS:

- NON TENSION OVERHEAD CONNECTORS FOR ALUMINUM & COPPER SECONDARY CONDUCTORS _ _ _ _ _ EO-100,186.
- SECONDARY RACK _ _ _ _ _ EO-1078
- OVERHEAD DISTRIBUTION CABLE CLEARANCES _ _ _ _ _ EO-4647-C
- OVERHEAD SERVICE TO PIPE MAST _ _ _ _ _ EO-8746-B
- OVERHEAD SERVICE ATTACHMENT TO POLE AND TO BUILDING SELF SUPPORTING TYPE CABLE _ _ _ _ _ EO-16279-B
- INSTALLATION GUIDE FOR CONNECTORS USE ON SECONDARY OVERHEAD LINES AND SERVICES _ _ _ _ _ EO-2140

FILING INFORMATION

- FIELD MANUAL No. 23, OVERHEAD CONSTRUCTION, SECT.1.6: SERVICES
- FIELD MANUAL No. 9, OVERHEAD CONSTRUCTION, SECT. 6: SERVICES
- CONSTRUCTION STDS. MANUAL No. 3, SECT. 7: SERVICES AND RISERS

TABLE 4

EXTRA LONG EYELET 3-9/32"	007-9624
ANGLE TYPE EYELET	007-9632
INSULATOR SERVICE SPOOL	596-0348

No.	REVISIONS	PROJ. ENG'R	DATE
18	UPDATED CONSTRUCTION NOTES AND REFERENCE SPECIFICATIONS. ADDED TABLE 4. ADDED NEW NOTE 3 & 11. SEE EO-6218-B SH. 1 OF 2 FOR NOTE CHANGES.	L. ORTEGA	06/02/05
	HJMARK		06/02/05

SEE DWG. EO-6218-B SH. 1 OF 2 FOR CONSTRUCTION DETAILS.

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 06/02/05
DWG. NO. **EO-6218-B** REV. **18** SH. 2 OF 2

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED	No.	REVISIONS	PROJ. ENG'R	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED	DATE
						J.T. ABRUSCATO	4/14/04			MAGGIE CHOW NON-NETWORK SYSTEMS MANAGER
									LUIS ORTEGA PROJECT ENGINEER	11/23/04