EO-6218-B

MULTIPLEX SERVICE CABLE (SELF SUPPORTING) FOR NEW PREMISES

SEE SHEET 2 OF 7 FOR ALTERNATE CONSTRUCTION DETAILS FOR POINT OF ATTACHMENT ON NEW AND EXISTING PREMISES.

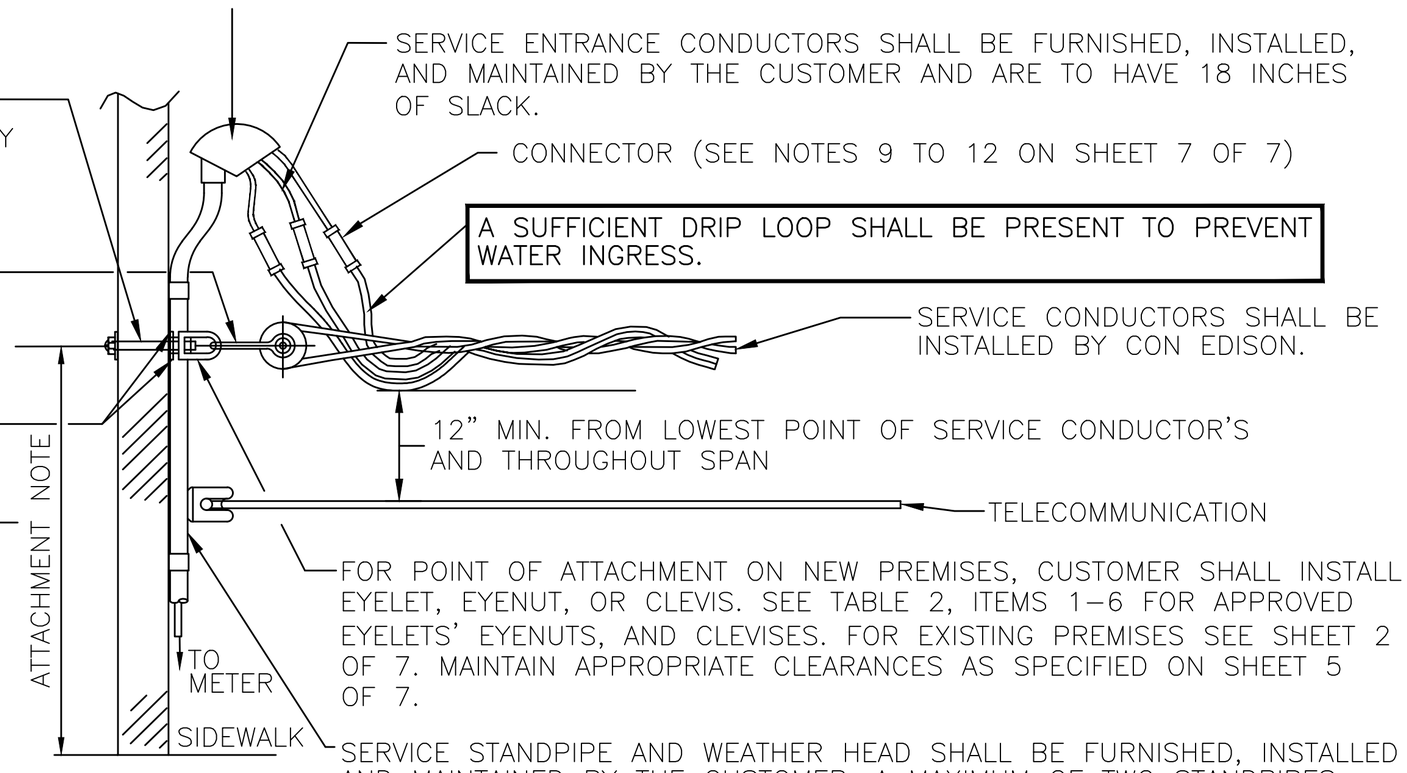
WEATHER HEAD TO BE INSTALLED ABOVE POINT OF ATTACHMENT. WHERE IT IS IMPRACTICAL TO LOCATE THE WEATHER HEAD ABOVE THE POINT OF ATTACHMENT, THE WEATHER HEAD LOCATION SHALL BE PERMITTED NOT FARTHER THAN 24 INCHES FROM THE POINT OF ATTACHMENT AND DRIP LOOPS ARE TO BE FORMED ON INDIVIDUAL CONDUCTORS. THE WEATHER HEAD ON THE SERVICE STANDPIPE SHALL BE TURNED DOWNWARD. WHEN WEATHER HEAD IS ABOVE THE POINT OF ATTACHMENT, POINT OF ATTACHMENT MAY BE LOCATED ON DIFFERENT PLANES OF PREMISES, BUT SHALL NOT BE FARTHER THAN A LINEAR DISTANCE OF 2 FT FROM WEATHER HEAD.

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

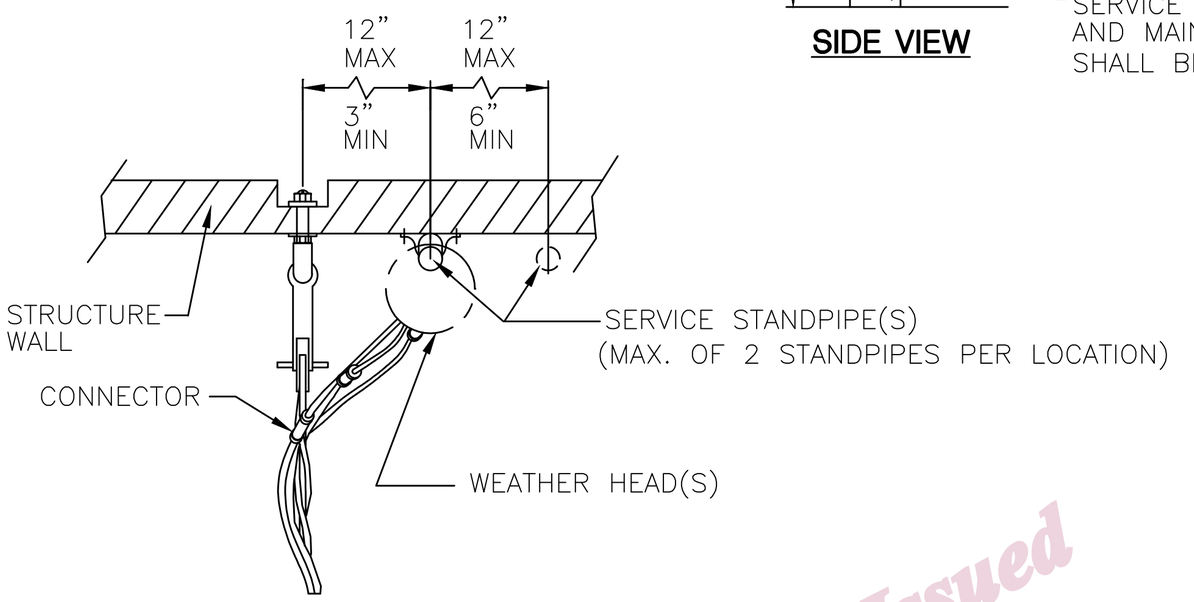
SERVICE INSULATOR BAIL BY CON EDISON
SEE CONSTRUCTION NOTE 13 ON SHEET 7 OF 7
-4" C/S# 597-0322
-8" C/S# 597-0330

TWO GALVANIZED NUTS FOR 5/8" BOLTS

ATTACHMENT MUST BE A MINIMUM OF 16'-0" ABOVE SIDEWALK GRADE IN NYC (12'-0" IN WESTCHESTER AS PER EO-8746-B). IF STRUCTURE IS NOT OF SUFFICIENT HEIGHT, THE POINT OF ATTACHMENT SHALL BE PROVIDED BY THE CUSTOMER AND SHALL MEET THE APPROVAL OF CON EDISON. REFER TO EO-4647-C.



SIDE VIEW



PLAN VIEW

(FOR CABLE CONFIGURATION AND MAXIMUM SPAN, SEE TABLE 1)

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

SERVICE CONDUCTOR MAX. SPAN BY SIZE AND TYPE

TABLE 2 - APPROVED EYELETS, EYENUTS, CLEVISES, AND WIREHOLDERS

ITEM	EYELET AND SPOOL	CON ED C/S#	MACLEAN POWER SYS.	HUBBELL
1	STANDARD EYELET FOR 5/8" BOLT	007-0904	J1126	B14A
2	ANGLE TYPE EYELET	007-9632	J6500	0100
3	SWIVEL CLEVIS	———	J1626	1948M
4	STANDARD EYENUT FOR 5/8" BOLT	———	J1092 ENL-5	6502
5	DEAD END CLEVIS	———	J0313 J0342 J93 J1394	461 468 469 PS7820 0340 0341 0322
6*	OVAL EYE BOLT	———	J961X** J962X**	1978X** 1979X**
7	LAGGED CLEVIS WIREHOLDER	———	J075	0192
8	PORCELAIN WIREHOLDER	———	———	31146
9	PLASTIC WIREHOLDER	———	J0894Z J0894ZG	C2070140 C2070140G

* FOR NEW PREMISES, USE WASHER AND NUT ON INTERIOR AND EXTERIOR OF STRUCTURE
** X SIGNIFIES NUMBERS WHICH INCREASE BY 2 RANGING FROM 0-8 FOR DIFFERENT SIZE DOUBLE-ARMING OVAL EYE BOLTS

No.	REVISIONS	PROJ ENG'R	DATE
24	CHANGED CONSTRUCTION NOTE NUMBER TO 13 AND ADDED ON SHEET 7 OF 7 FOR SERVICE INSULATOR BAIL ON SIDE VIEW K.T. 2/22/2017	R. DOMINGUEZ	2/22/2017

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24 SH. 1 OF 7

COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

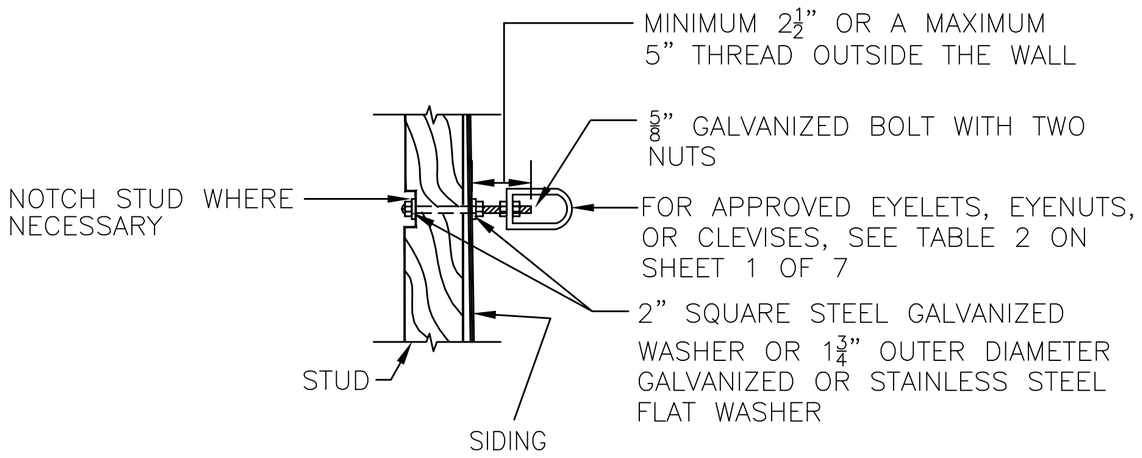
No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
DISCIPLINE CODE
CHECKED BY DATE
SCALE
APPROVED
MAGGIE CHOW MGR. NON-NETWORK SYSTEMS MANAGER DATE
LUIS ORTEGA PROJECT ENGINEER DATE

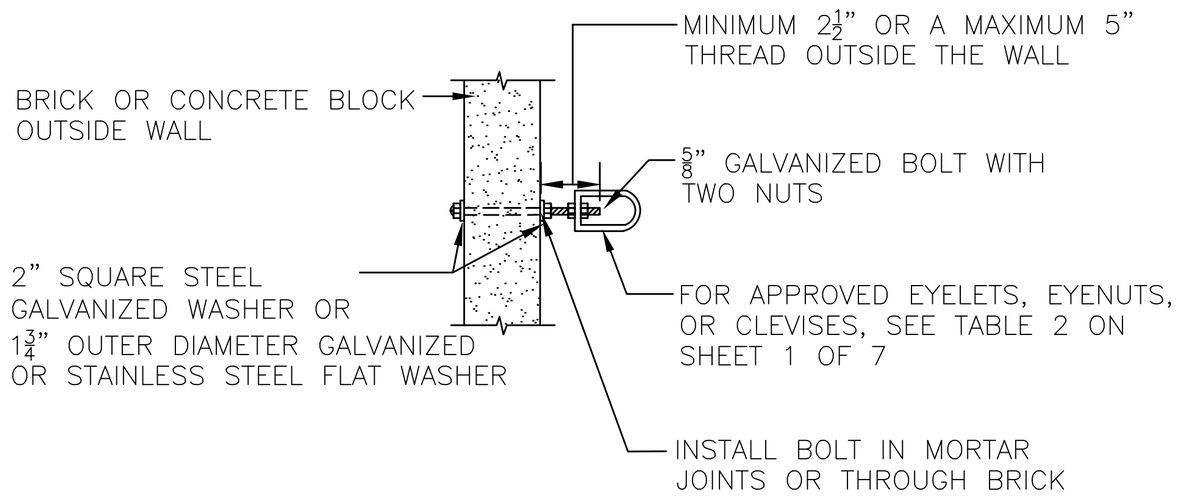
EO-6218-B

ATTACHMENT DETAILS FOR MULTIPLEX SERVICES AT PREMISES INSTALLED AND MAINTAINED BY CUSTOMER

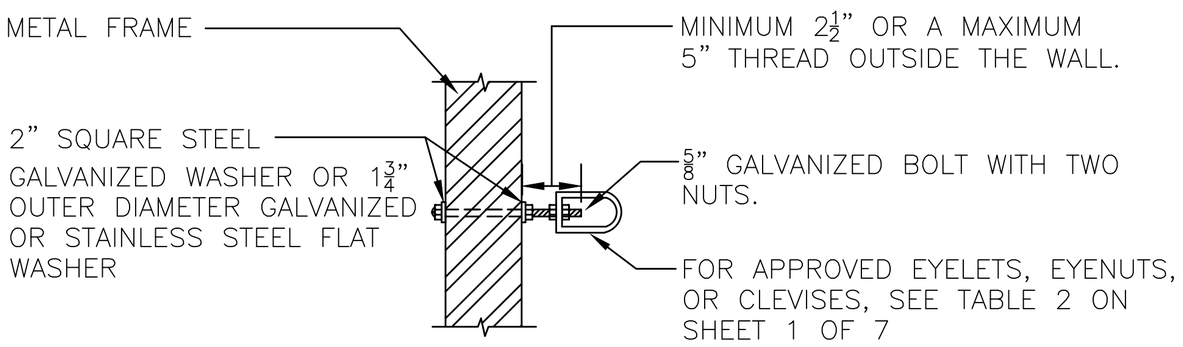
NEW PREMISES CONSTRUCTION



WOOD FRAME WITH SIDING OR BRICK VENEER APPLICATIONS FOR SINGLE BOLT CONSTRUCTION

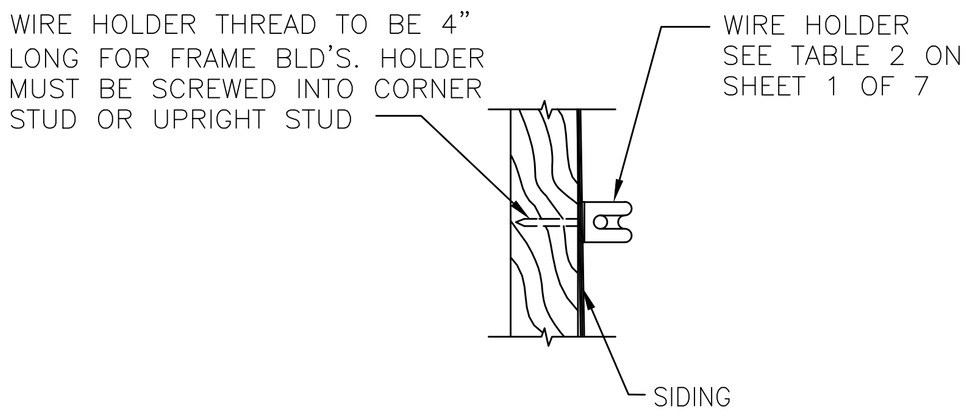


BRICK AND MASONRY APPLICATIONS FOR SINGLE BOLT CONSTRUCTION

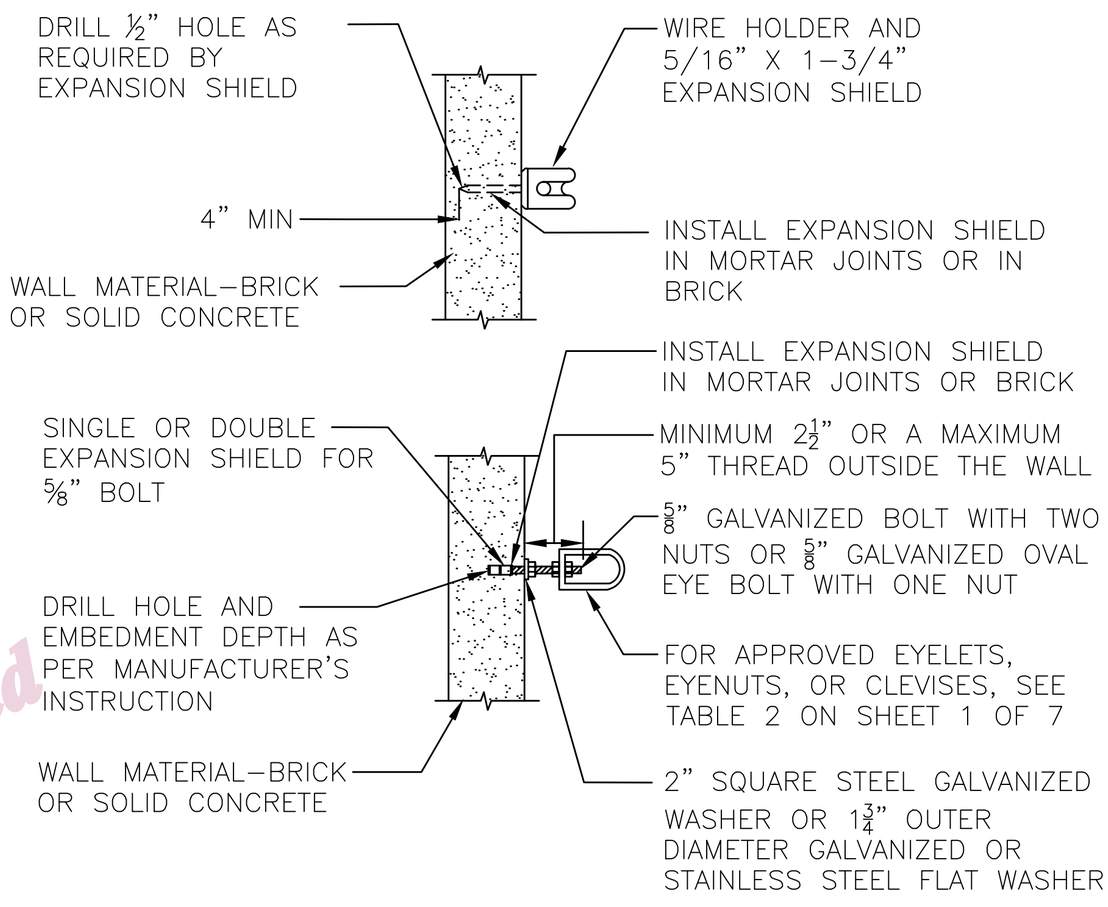


METAL FRAME APPLICATIONS FOR SINGLE BOLT CONSTRUCTION

EXISTING PREMISES CONSTRUCTION



WOOD FRAME WITH SIDING OR BRICK VENEER APPLICATIONS FOR SINGLE BOLT CONSTRUCTION

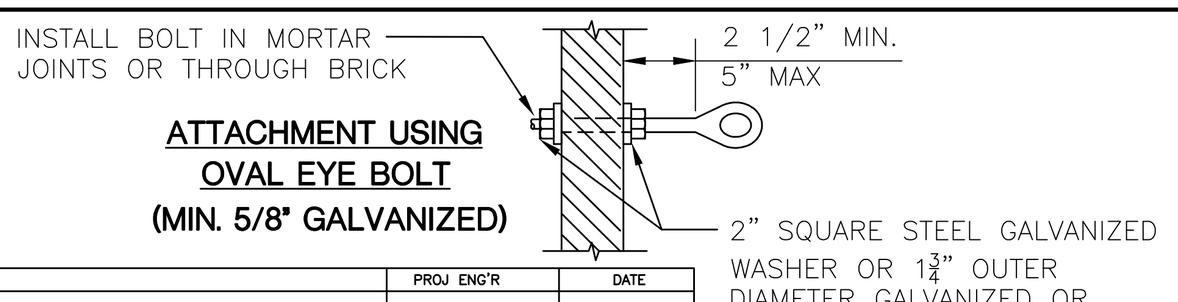


BRICK AND MASONRY APPLICATIONS FOR SINGLE BOLT CONSTRUCTION

USE NEW PREMISES CONSTRUCTION

METAL FRAME APPLICATIONS FOR SINGLE BOLT CONSTRUCTION

ALTERNATE METHOD FOR NEW OR EXISTING PREMISES



ATTACHMENT USING OVAL EYE BOLT (MIN. 5/8" GALVANIZED)

No.	REVISIONS	PROJ ENG'R	DATE
24	NO CHANGES TO SHEET 2 OF 7. K.T. 2/22/2017	R. DOMINGUEZ	2/22/2017

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24 SH. 2 OF 7

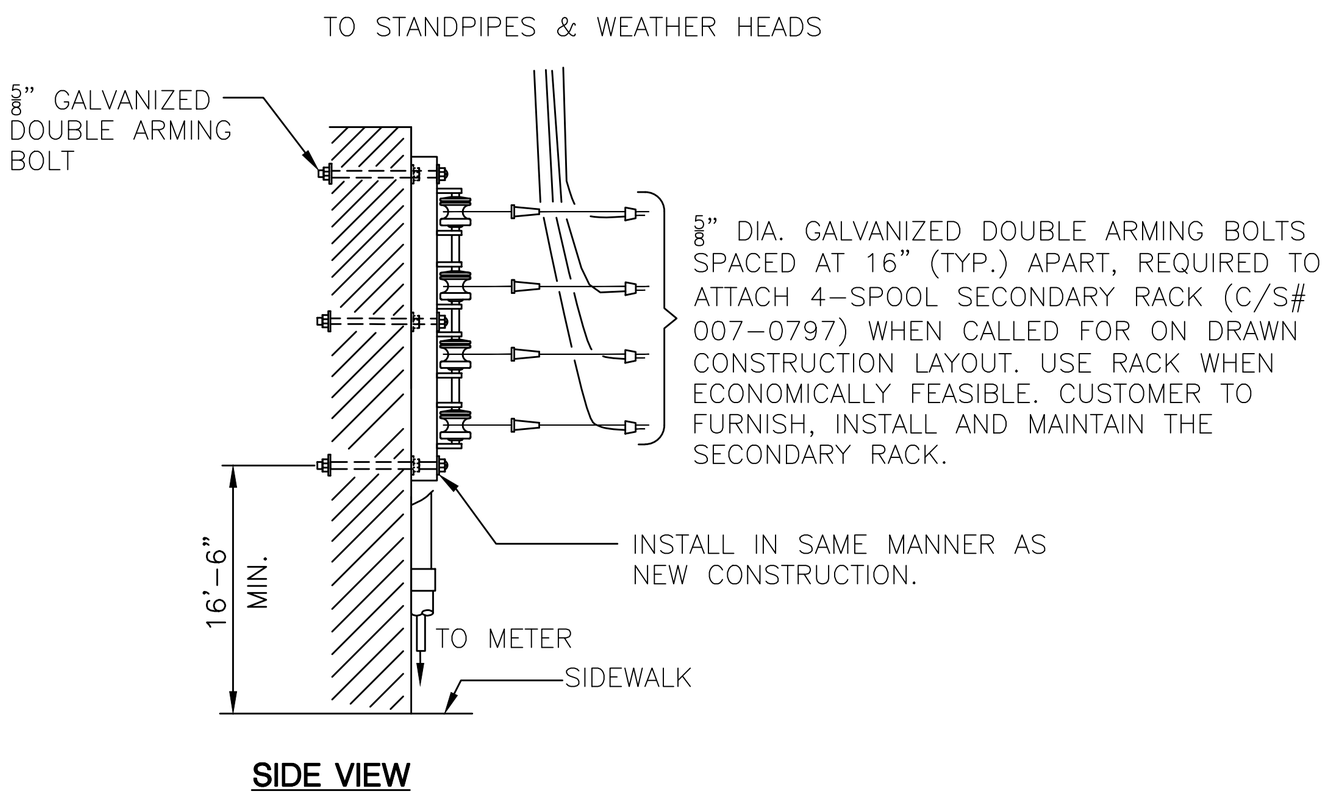
COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

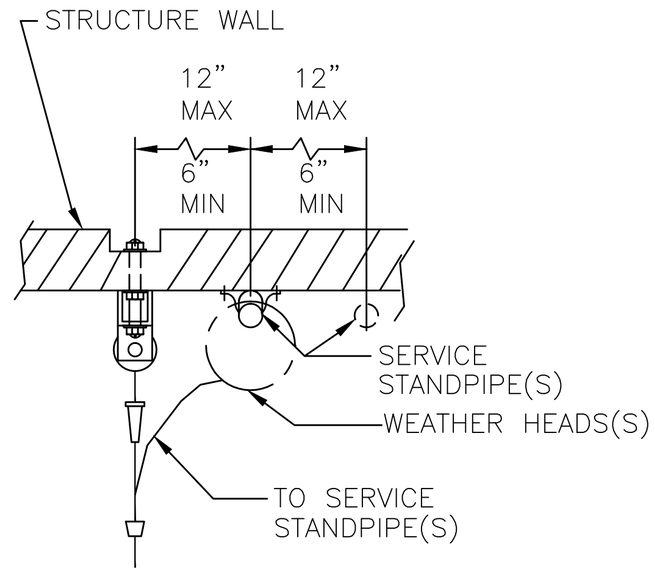
DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
CHECKED BY DATE
APPROVED
MAGGIE CHOW
MGR. NON–NETWORK SYSTEMS MANAGER DATE
DISCIPLINE CODE
SCALE
LUIS ORTEGA
PROJECT ENGINEER DATE

EO-6218-B

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



SIDE VIEW

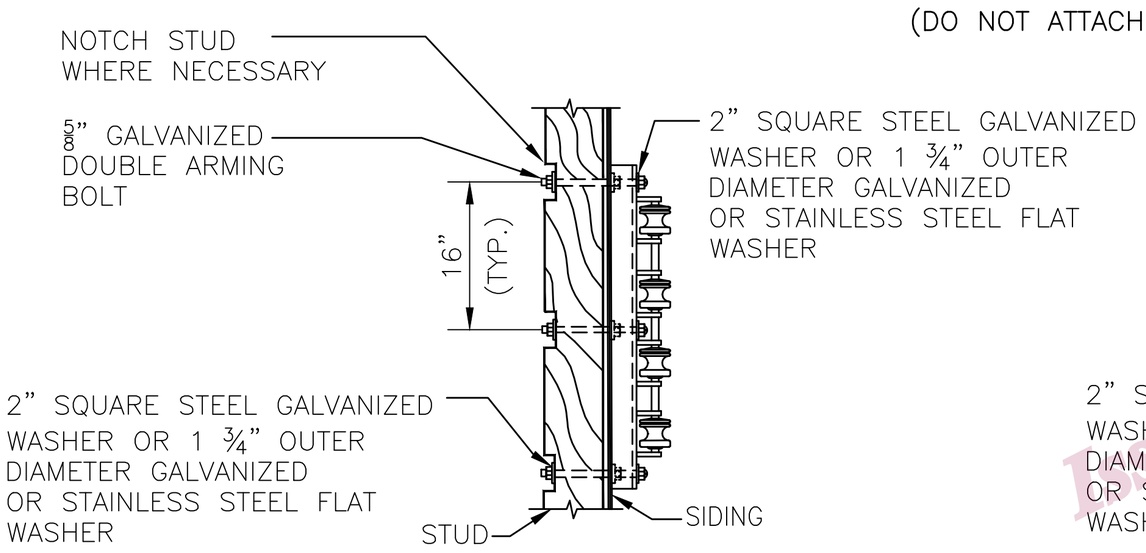


PLAN VIEW

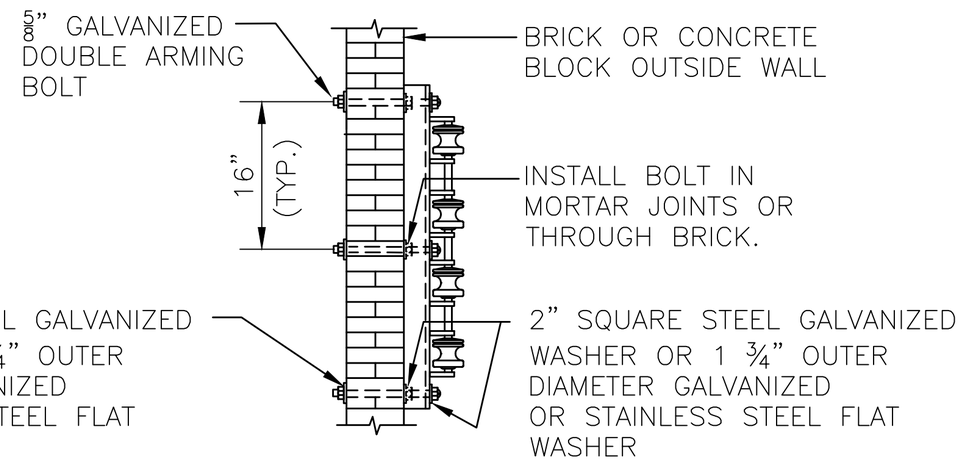
(FOR CABLE CONFIGURATION AND MAXIMUM SPAN, SEE TABLE 3)

OPEN WIRE SERVICE CABLE (RACK CONSTRUCTION)

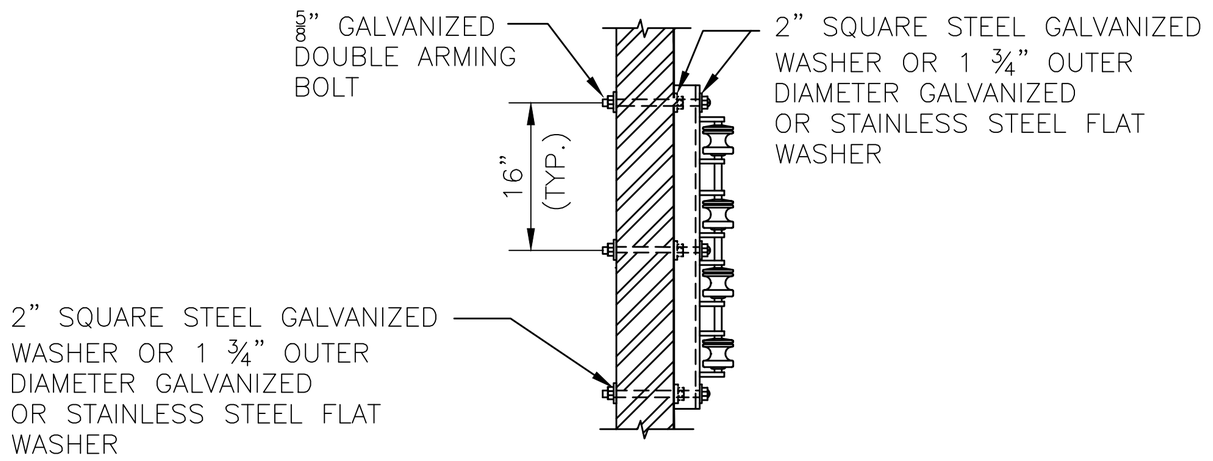
(DO NOT ATTACH RACK TO PIPE **MAST**)



WOOD FRAME WITH SIDING OR BRICK VENEER APPLICATIONS FOR SECONDARY RACK CONSTRUCTION



BRICK AND MASONRY APPLICATIONS FOR SECONDARY RACK CONSTRUCTION



METAL FRAME APPLICATIONS FOR SECONDARY RACK CONSTRUCTION

TABLE 3

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

SERVICE CONDUCTOR MAX. SPAN BY SIZE AND TYPE

No.	REVISIONS	PROJ ENG'R	DATE
24	NO CHANGES TO SHEET 3 OF 7 K.T. 2/22/2017	R. DOMINGUEZ	2/22/2017

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24 SH. 3 OF 7

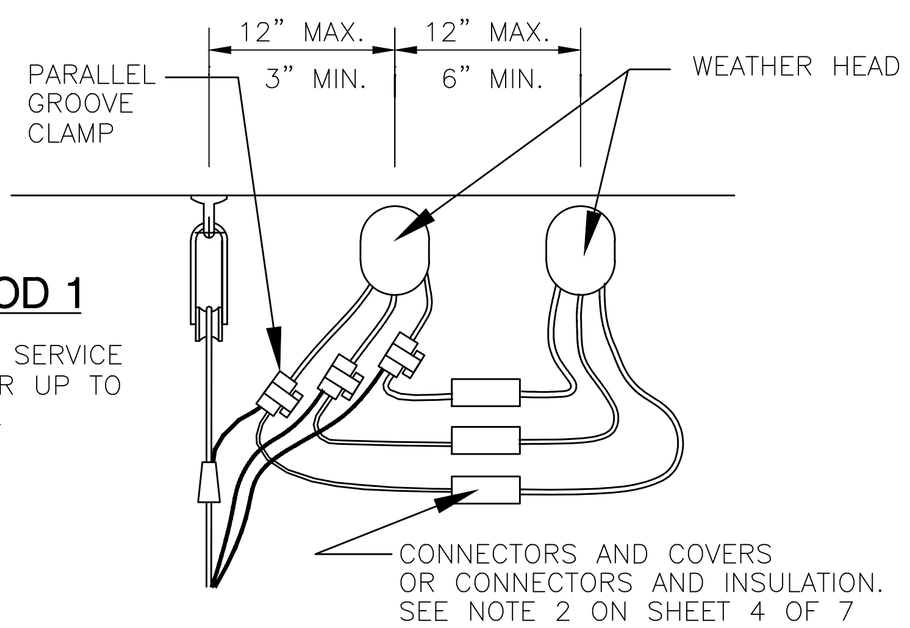
COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
CHECKED BY DATE
APPROVED
MAGGIE CHOW MGR. NON-NETWORK SYSTEMS MANAGER DATE
LUIS ORTEGA PROJECT ENGINEER DATE
DISCIPLINE CODE
SCALE

EO-6218-B

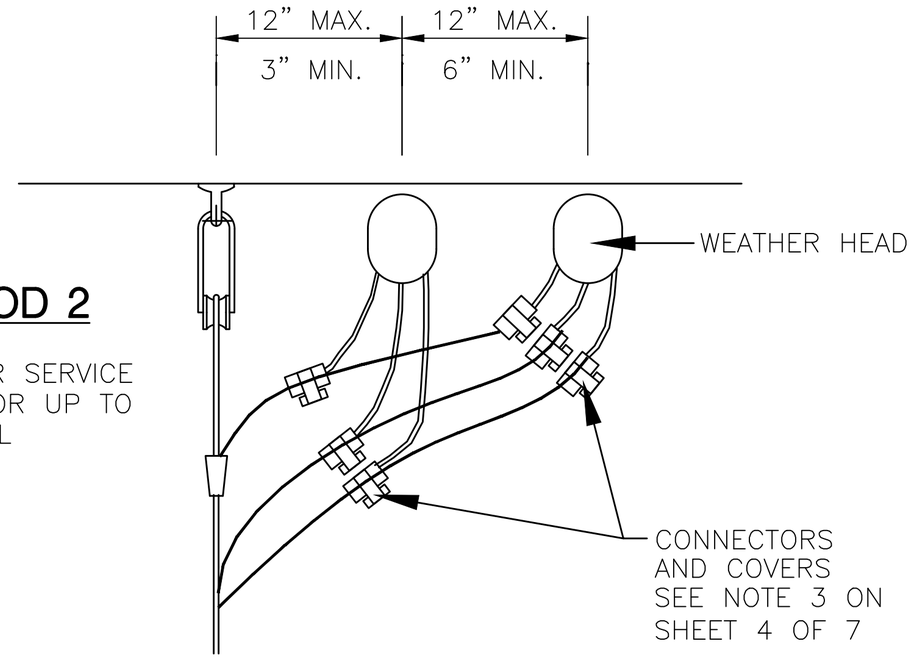
SINGLE LATERAL SERVICE TO TWO WEATHER HEADS OR SERVICE ENTRANCE HEADS



METHOD 1

CUSTOMER SERVICE CONDUCTOR UP TO 750 KCMIL

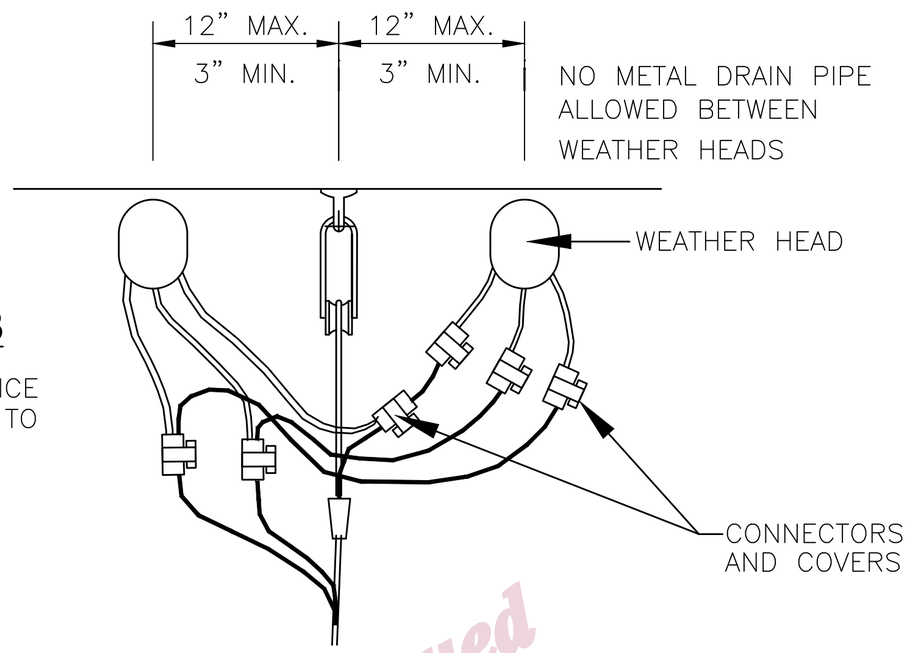
PLAN VIEW



METHOD 2

CUSTOMER SERVICE CONDUCTOR UP TO 750 KCMIL

PLAN VIEW



METHOD 3

CUSTOMER SERVICE CONDUCTOR UP TO 750 KCMIL

PLAN VIEW

NOTES: FOR SINGLE LATERAL SERVICE TO TWO WEATHER HEADS OR SERVICE ENTRANCE HEADS

1. THESE SPECIAL METHODS 1 THROUGH 3 ARE FOR SITUATIONS WHEN TWO CUSTOMER WEATHER HEADS ARE WITHIN 12" TO 24" OF ONE ANOTHER. PREFERRED CONSTRUCTION IS TO HAVE TWO INDEPENDENT SERVICE CONDUCTORS SUPPLYING CUSTOMER WEATHER HEAD.

2. WHEN CONNECTING SERVICE CONDUCTORS TOGETHER FOR METHOD 1, COMPRESSION CONNECTORS, EITHER FULLY INSULATED, INSULATED WITH HEAT SHRINK SLEEVES, OR RUBBER CEMENT WITH 4 LAYERS RUBBER TAPE AND 2 LAYERS PVC TAPE SHALL BE UTILIZED TO JOIN THE CUSTOMER'S SERVICE CONDUCTORS OF UP TO 750 KCMIL. PARALLEL GROOVE CLAMPS OR WEDGE–TYPE CONNECTORS WITH COVERS SHALL BE USED TO MAKE CONNECTIONS BETWEEN CON EDISON'S SERVICE DROP AND CUSTOMERS' SERVICE CONDUCTORS.

3. WHEN MAKING THE CONNECTION FOR METHOD 2, THE SERVICE CONDUCTOR FARTHER FROM THE ATTACHMENT POINT SHALL BE CONNECTED TO THE END OF THE SERVICE CONDUCTOR. THE CLOSER SERVICE CONDUCTOR SHALL THEN TAP ONTO THE SAME SERVICE CONDUCTOR.

4. WHEN SKINNING THE INSULATION FROM THE SERVICE CONDUCTOR, ONLY ENOUGH INSULATION IS TO BE REMOVED TO MAKE THE CONNECTION AND ENSURE NO BARE CONDUCTOR IS EXPOSED WHEN CONNECTOR COVER IS INSTALLED.

5. WHEN THE CUSTOMER CABLE IS LARGER THAN 300 KCMIL, AND UP TO 750 KCMIL, WEDGE–TYPE CONNECTORS (SPECIFIED IN TABLE 4C ON SHEET 6 OF 7) SHALL BE UTILIZED TO MAKE THE FINAL CONNECTION BETWEEN CON EDISON'S SERVICE CONDUCTORS AND THE CUSTOMER'S SERVICE ENTRANCE CONDUCTORS.

6. COPPER CONDUCTOR SHALL BE INSTALLED BELOW ALUMINUM CONDUCTOR AT CONNECTION POINT.

No.	REVISIONS	PROJ ENG'R	DATE
24	SPECIFIED ON SHEET 4 OF 7 IN PLAN VIEW'S. CORRECTED NOTES TITLE. UPDATED NOTE 5 TO SPECIFY TABLE 4C ON SHEET 6 OF 7. K.T. 2/22/2017	R. DOMINGUEZ	2/22/2017

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24 SH. 4 OF 7

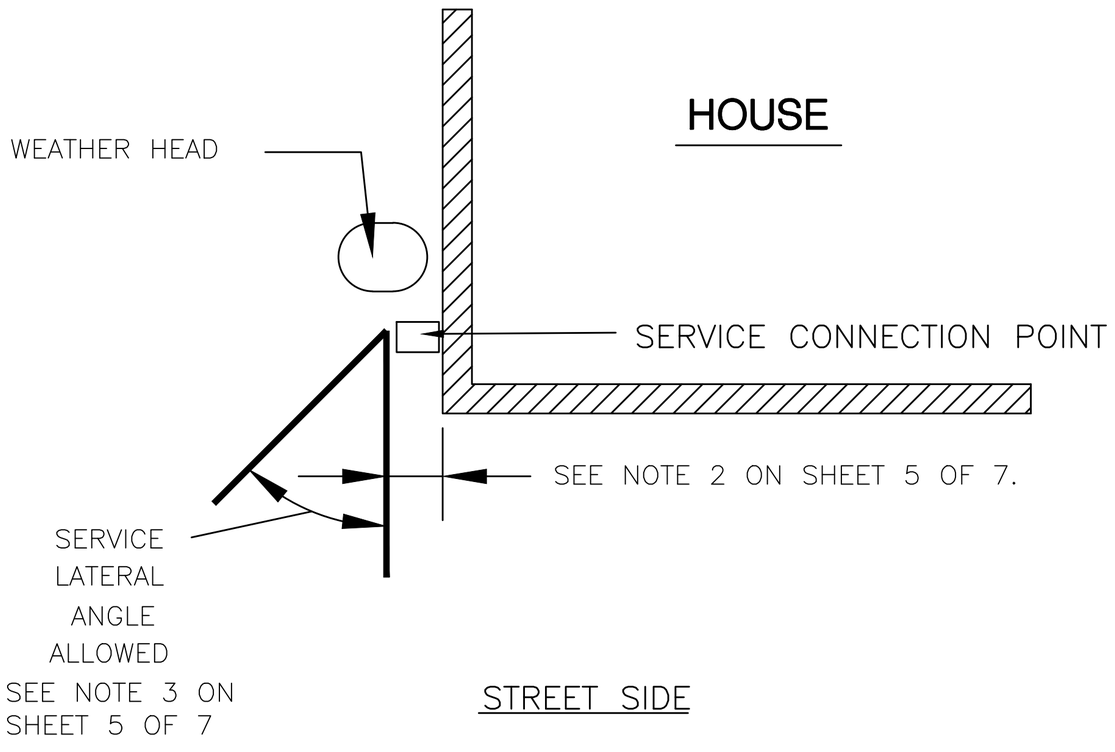
COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

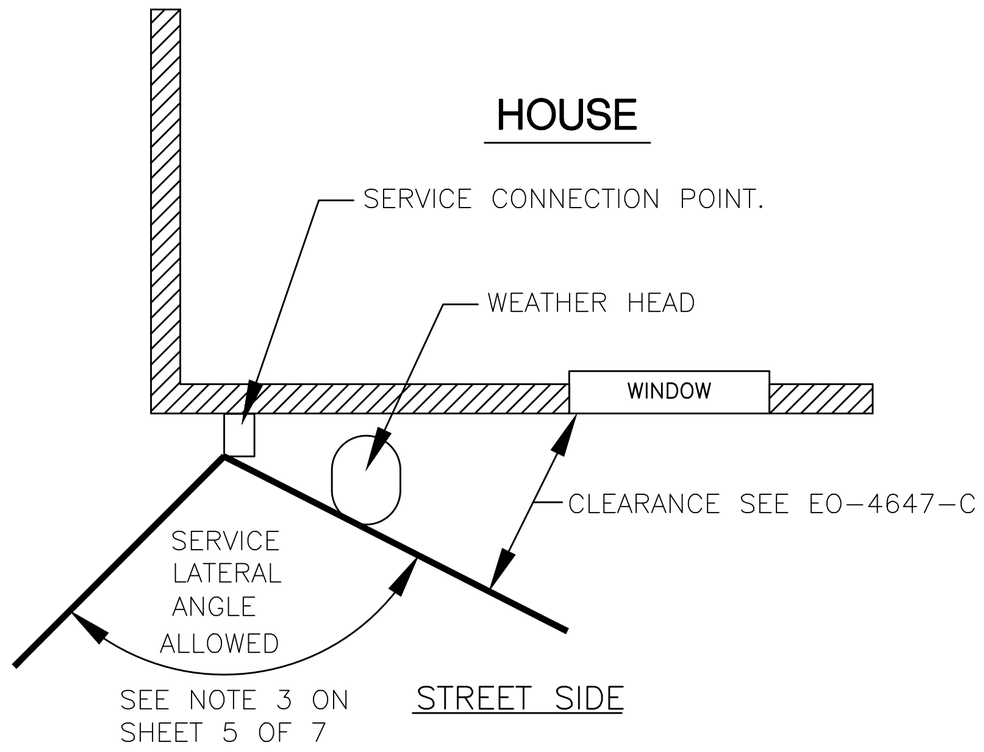
No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
DISCIPLINE CODE
CHECKED BY DATE
SCALE

APPROVED
MAGGIE CHOW
MGR. NON–NETWORK SYSTEMS MANAGER DATE
LUIS ORTEGA
PROJECT ENGINEER DATE

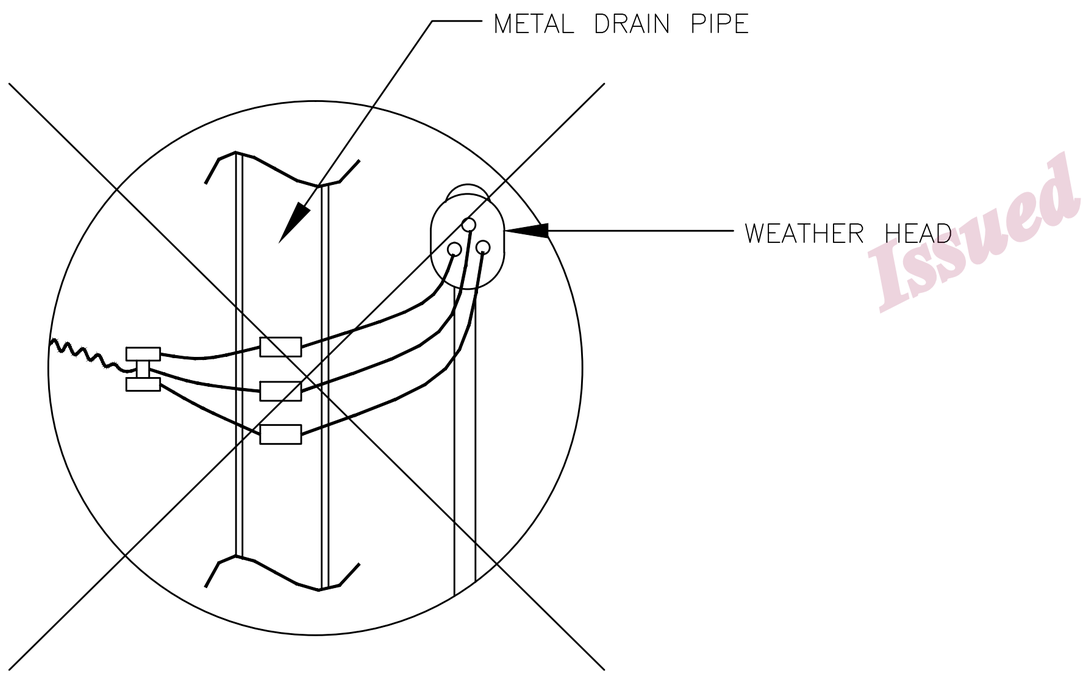
WEATHER HEAD AND POINT OF ATTACHMENT BELOW ROOF LINE (PLAN VIEW)





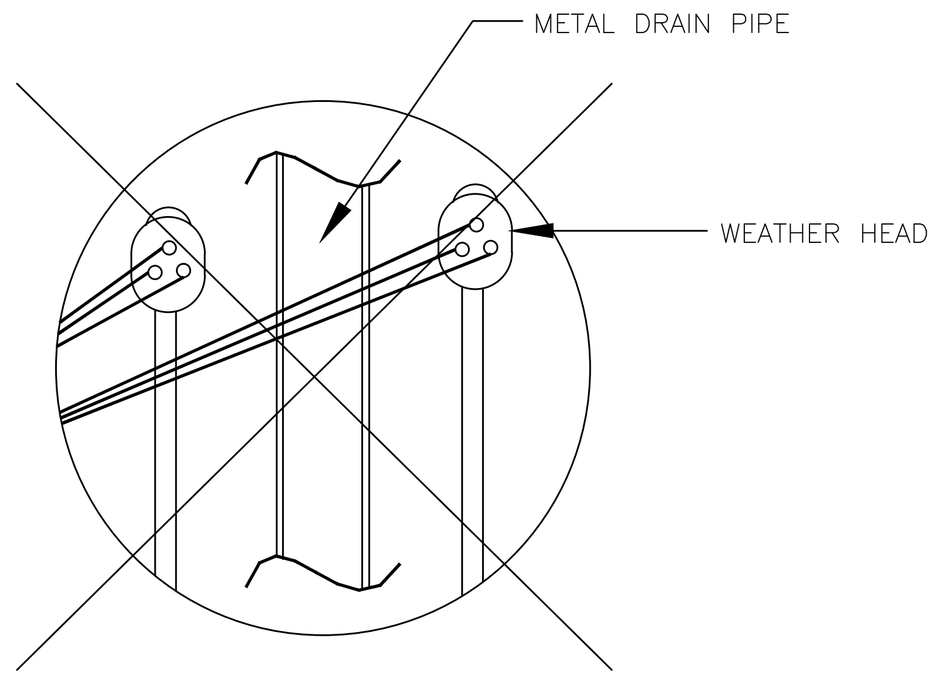
NOT ALLOWED

SEE NOTE 1 ON SHEET 5 OF 7



NOT ALLOWED

SEE NOTE 1 ON SHEET 5 OF 7



NOTES FOR WEATHER HEAD AND P.O.A. BELOW ROOF LINE

1. NO METAL DRAIN PIPE ALLOWED BETWEEN WEATHER HEADS OR WEATHER HEAD AND SERVICE CONNECTION POINT.
2. SERVICE CONDUCTORS TRAVELING TO THE POLE SHALL BE NO LESS THAN 3" FROM THE EDGE OF A BUILDING OR RAIN GUTTER DOWN SPOUT.
3. NEW SERVICE CONDUCTORS ARE NOT TO TRAVEL OVER ADJACENT CUSTOMERS PROPERTY AND WILL LIMIT HOW FAR DIAGONALLY A SERVICE CAN TRAVEL FROM A CUSTOMER SERVICE CONNECTION POINT TO A POLE. IF THE SERVICE CONDUCTOR CANNOT TRAVEL DIRECTLY TO THE POLE FROM FROM THE SERVICE CONNECTION POINT, A MESSENGER SERVICE OR MID-SPAN SERVICE TAP SHALL BE UTILIZED AS PER EO-15361-B.
4. REFER TO EO-8746-B FOR WEATHER HEAD AND P.O.A. ABOVE ROOF LINE (I.E. PIPE MAST).

No.	REVISIONS	PROJ ENG'R	DATE
24	SPECIFIED ON SHEET 5 OF 7 WHERE NOTE #'S ARE BEING REFERENCED. K.T. 2/22/2017	R. DOMINGUEZ	2/22/2017

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24 SH. 5 OF 7

COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
DISCIPLINE CODE
CHECKED BY DATE
SCALE

APPROVED
MAGGIE CHOW MGR. NON-NETWORK SYSTEMS MANAGER 11/23/04 DATE
LUIS ORTEGA PROJECT ENGINEER 11/23/04 DATE

Approved EO-6218-B Rafael 02/22/2017

TABLE 4A: PARALLEL GROOVE CLAMPS

STOCK # (CLAMP ONLY, NO COVER/KIT)	WIRE SIZE (ALUM. TO ALUM. OR ALUM. TO CU)				ITEM CAT. #	MFG.	KIT C/S# *
	MAIN RUN		TAP				
	MAX.	MIN.	MAX.	MIN.			
————	1/0 STR.	#8 SOL.	#2 STR.	#8 SOL.	LC51A-XB52PT	ANDERSON	571-5404+
————	1/0 STR.	#8 SOL.	1/0 STR.	#8 SOL.	WCG25RSCEKIT	BURNDY	571-5404+
————	2/0 STR.	#8 SOL.	2/0 STR.	#8 SOL.	LC52A-XB52PT	ANDERSON	571-5412+
————	400 KCMIL	#1 SOL.	2/0 STR.	#8 SOL.	LC52C-XB52PT	ANDERSON	571-5420+
571-4878++	400 KCMIL	1/0 STR.	400 KCMIL	1/0 STR.	LC66A-XB	ANDERSON	————
007-7214++	400 KCMIL	3/0 STR.	400 KCMIL	3/0 STR.	382.2P	ALCOA	————
007-7214++	400 KCMIL	3/0 STR.	400 KCMIL	3/0 STR.	APC3972I	CMC	————
571-7798+	954 KCMIL	398 KCMIL	2/0 STR.	#8 SOL.	LC83A-XB	ANDERSON	————
571-7798+	1000 KCMIL	450 KCMIL	3/0 STR.	#6 SOL.	393.6P	ALCOA	————
571-5909++	1000 KCMIL	450 KCMIL	400 KCMIL	3/0 STR.	483.2P	ALCOA	————
571-5909++	1000 KCMIL	400 KCMIL	400 KCMIL	3/0 STR.	PAE 9939	BLACKBURN	————
571-5909++	1000 KCMIL	400 KCMIL	400 KCMIL	3/0 STR.	APR1000-2I	CMC	————
WIRE SIZE (COPPER TO COPPER)							
————	1/0 STR.	#6 SOL.	1/0 STR.	#6 SOL.	UC6W25CONKIT	BURNDY	007-9590+
————	4/0 STR.	#4 SOL.	4/0 STR.	#4 SOL.	UC4W28CONKIT	BURNDY	007-4120++

\+ SINGLE BOLT CLAMP
++ DOUBLE BOLT CLAMP
* INCLUDES CONNECTOR WITH COVER

FOR PARALLEL GROOVE CLAMP KITS WITHOUT COVERS ON HOT LEGS, APPLY THIN, EVEN COAT OF POLYETHYLENE ADHESIVE AND ALLOW ONE MINUTE TO DRY. APPLY TWO HALF-LAPPED LAYERS OF 3M SCOTCH No. 130C TAPE OVER CONNECTOR AND CONDUCTOR. APPLY TWO HALF-LAPPED LAYERS OF PVC ELECTRICAL TAPE OVER 3M SCOTCH No. 130C TAPE. THE NEUTRAL CONNECTOR & CONDUCTOR DOES NOT NEED TO BE TAPED.

TABLE 4B: SERVICE ENTRANCE COMPRESSION CONNECTORS

STOCK #	WIRE SIZE - INSULATED CONNECTOR		MANUFACTURERS/ITEM CATALOGUE NUMBERS			
	SIZE "A"	SIZE "B"	HOMAC	PENN UNION	THOMAS & BETTS	BURNDY
571-0405	#4 STR. - #2 SOL.	#2 SOL. - #4 STR.	U1N44	PIK22	ICS681	ES2W2W
571-0397	#4 STR. - #2 SOL.	#4 SOL. - #6 STR.	U1N46	PIK24	ICS671	ES2W4W
571-0389	#4 STR. - #2 SOL.	#6 SOL. - #8 STR.	U1N48	PIK26	ICS661	ES2W6W
571-0371	#4 STR. - #2 SOL.	#8 SOL. - #10 STR.	U1N41	PIK28	ICS651	ES2W8W
571-0348	#6 STR. - #4 SOL.	#6 SOL. - #8 STR.	U1N68	PIK46	ICS631	ES4W6W
571-0355	#6 STR. - #4 SOL.	#4 SOL. - #6 STR.	U1N66	PIK44	ICS641	ES4W4W
571-0454	1/0 STR.	#2 SOL. - #4 STR.	U1N104	PIK02	ICS761	ES25R2W
571-0439	1/0 STR.	#6 SOL. - #8 STR.	U1N108	PIK06	ICS741	ES25R6W
571-0447	1/0 STR.	#4 SOL. - #6 STR.	U1N106	PIK04	ICS751	ES25R4W
571-0462	1/0 STR.	#2 STR.	U1N102	PIK01	ICS771	ES25R2R
571-0470	1/0 STR.	1/0 STR.	U1N1010	PIK00	ICS781	ES25R25R
571-0413	#2 STR.	#2 SOL.	U1N24	PIK12	ICS721	ES2R2W
571-0421	#2 STR.	#2 STR. - #1 STR.	U1N22	PIK11	ICS731	ES2R2R
570-4671 *	2/0 STR. - 1/0 STR.	2/0 STR. - 1/0 STR.	————	————	IKL46	————
571-4663 **	3/0 STR. - 1/0 STR.	3/0 STR. - 1/0 STR.	————	————	IKL56	————
SPECIAL ORDER **	4/0 STR. - 1/0 STR.	4/0 STR. - 1/0 STR.	————	————	IKL66	————
WIRE SIZE - UNINSULATED CONNECTOR						
571-1742	1/0 STR.	#2 SOL. - #4 STR.	U1B104	PSK02	CS76	YSU25R2W
571-1767	1/0 STR.	#2 STR. - #1 STR.	U1B102	PSK01	CS77	YSU25R2R
571-1759	#1 STR. - #2 STR.	#2 SOL. - #4 STR.	U1B24	PSK12	CS72	YSU2R2W
571-5289	2/0 STR.	1/0 STR.	X1N2010	PS200	CS84	YSD26R25R
571-5941	1/0 STR.	1/0 STR.	U1B1010	PSK00	CS78	YSU25R25R

** W-K 840 DIE REQUIRED FOR THIS COMPRESSION CONNECTOR, TWO CRIMPS MUST BE MADE ON ON EACH

TABLE 4C: FOR CON EDISON USE ONLY

TYPE OF CONNECTOR	MAIN RUN	TAP	SPEC. NO.	C/S#	INSULATING COVER C/S#
WEDGE-TYPE	350 KCMIL	4/0	EO-2132	571-1226	590-1232
WEDGE-TYPE	500 KCMIL	1/0	EO-2132	571-1222	590-1232
WEDGE-TYPE	500 KCMIL	4/0	EO-2132	571-1223	590-1232
WEDGE-TYPE	750 KCMIL	1/0	EO-2132	571-1220	590-1232
WEDGE-TYPE	750 KCMIL	4/0	EO-2132	571-1221	590-1232
COMPRESSION	4/0	4/0	EO-4669-D	570-1313 ***	HEAT SHRINK 596-2675
COMPRESSION	500 KCMIL	500 KCMIL	EO-4669-D	570-1321 ***	HEAT SHRINK 596-2600
COMPRESSION	750 KCMIL	750 KCMIL	EO-4669-D	570-3749 ***	HEAT SHRINK 596-2667

*** HEAT SHRINKABLE TUBING SHALL BE APPLIED USING GENERAL INSTRUCTIONS GOVERNING WORK ON OVERHEAD. IF TUBING IS NOT AVAILABLE, REFER TO EO-2242-C.

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24

SH. 6 OF 7

No.	REVISIONS	PROJ. ENG'R	DATE
24	ADDED ALL CONNECTORS FROM EO-100,186 TO CREATE TABLES 4A, 4B, AND 4C MOVED THE CONSTRUCTION NOTES TO SHEET 7 OF 7. ADDED NOTE FOR PARALLEL GROOVE CLAMP KITS WITHOUT COVERS ON HOT LEGS KT.	R. DOMINGUEZ	2/22/2017

No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
DISCIPLINE CODE
CHECKED BY DATE
SCALE

APPROVED
MAGGIE CHOW NON-NETWORK SYSTEMS MANAGER 11/23/04 DATE
LUIS ORTEGA PROJECT ENGINEER 11/23/04 DATE

EO-6218-B

CONSTRUCTION NOTES:

1. IN NYC, INSTALLATION SHALL MEET REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), WITH ALL NYC AMENDMENTS. IN WESTCHESTER, THE NEC OR LOCAL MUNICIPAL CODES SHALL BE FOLLOWED. SHOULD THIS SPECIFICATION COME IN VARIANCE WITH ANY OF THESE CODES, THE LOCAL CODE SHALL TAKE PRECEDENCE. 16'–0" MINIMUM ATTACHMENT HEIGHT SHALL BE ADHERED TO UNLESS EXCEPTION ON SHEET 1 OF 7 CAN BE MET.
2. ALL NEW CONSTRUCTION (I.E. NEWLY BUILT HOMES, SERVICE UPGRADES, AND NEW SIDING REQUIRING REMOVAL AND INSTALLATION OF THE METER PAN, STANDPIPE AND WEATHER HEAD) SHALL COMPLY WITH THIS DRAWING AND THE NEC, WITH ALL NYC AMENDMENTS OR THE NEC WITH LOCAL MUNICIPAL CODES.
3. FOR SELF–SUPPORTING MULTIPLEX OR OPEN SUPPLY SERVICE CONDUCTORS, ADJACENT BUT NOT ATTACHED TO PREMISES, A MINIMUM HORIZONTAL DISTANCE OF 5'–6" SHALL BE MAINTAINED IN ANY DIRECTION FROM WINDOWS, DOORS, FIRE ESCAPES, PORCHES, BALCONIES, OR SIMILAR LOCATIONS. PLEASE REFER TO EO–4647–C.
4. CLEARANCE FROM A WINDOW: THE SELF–SUPPORTING MULTIPLEX SERVICE DROP CONDUCTORS (INCLUDING DRIP LOOPS) OR INSULATED OPEN SECONDARY CONDUCTORS ATTACHED TO PREMISES SHALL MAINTAIN A MINIMUM LINEAR DISTANCE OF 3'–0" ON EITHER SIDE, BELOW, OR CROSSING IN FRONT OF A WINDOW THAT IS DESIGNED TO OPEN. FOR WINDOWS THAT ARE NOT DESIGNED TO OPEN, THE LINEAR DISTANCE MAY BE A MINIMUM OF 6" ON EITHER SIDE, BELOW, OR CROSSING IN FRONT OF A WINDOW. FOR SELF–SUPPORTING MULTIPLEX SERVICE DROP CONDUCTORS ABOVE A WINDOW, REFER TO NOTE 5. IF IT CANNOT BE DETERMINED WHETHER A WINDOW IS "DESIGNED TO OPEN" OR "NOT DESIGNED TO OPEN", ASSUME THE WINDOW IS "DESIGNED TO OPEN". PLEASE REFER TO EO–4647–C.
5. THE SELF–SUPPORTING MULTIPLEX SERVICE DROP CONDUCTORS (INCLUDING DRIP LOOPS) CAN BE INSTALLED AT A MINIMUM OF 6" ABOVE THE TOP EDGE OF A WINDOW, WHETHER IT IS DESIGNED TO OPEN OR NOT. PLEASE REFER TO EO–4647–C.
6. FOR HORIZONTAL & VERTICAL CLEARANCES FROM ROOFS, BALCONIES, PORCHES, STAIR LANDINGS, DECKS, FIRE ESCAPES, OR SIMILAR STRUCTURES REFER TO EO–4647–C.
7. ALL HOLES THROUGH WALLS SHALL BE WEATHERPROOFED BY THE CUSTOMER.
8. IT IS PREFERRED THAT ALL SERVICE CONNECTIONS BE DIRECTLY ACCESSIBLE FROM A 24FT TO 40FT LADDER PLACED ON THE GROUND. IF THIS IS NOT FEASIBLE, SERVICE CONNECTIONS SHALL BE ACCESSIBLE FROM A BUCKET. PLEASE CONSULT CON EDISON'S ENERGY SERVICES DEPARTMENT.
9. FOR EMERGENCY TEMPORARY REPAIR OR SERVICE RELOCATION, COMPANY CREWS CAN MAKE ALTERNATE ATTACHMENTS AS PER EO–16279–B.
10. CON EDISON CREWS ARE RESPONSIBLE FOR MAKING THE FINAL ELECTRIC SERVICE CONNECTION BETWEEN CON EDISON'S SERVICE CONDUCTORS AND THE CUSTOMERS' SERVICE ENTRANCE CONDUCTORS USING COMPANY APPROVED CONNECTORS (SEE TABLES 4A, 4B AND 4C ON SHEET 6 OF 7) UNDER THE FOLLOWING:
    - CON EDISON'S SERVICE CONDUCTORS ARE LARGER THAN 1/0 AL FROM POLE LINE TO POINT OF ATTACHMENT
    - NEW SERVICE CONDUCTORS BEING INSTALLED FROM POLE LINE TO POINT OF ATTACHMENT
    - SERVICE CONDUCTOR UPGRADES FROM POLE LINE TO POINT OF ATTACHMENT (E.G. UPGRADE FROM #4 AL TO 1/0 AL OR SIMILAR SCENARIO)
    - TWO WEATHER HEADS SERVICED FROM CON EDISON'S SINGLE SERVICE LATERAL
    - SERVICE CONNECTIONS UPSTREAM FROM ALLEY TAPS OR OUTDOOR LOOPS
    - IF SERVICE CONDUCTORS SHALL BE RE–ATTACHED TO POINT OF ATTACHMENT
11. CONTRACTORS/ELECTRICIANS ARE RESPONSIBLE FOR MAKING THE FINAL ELECTRIC SERVICE CONNECTION BETWEEN CON EDISON'S SERVICE CONDUCTORS AND THE CUSTOMERS' SERVICE ENTRANCE CONDUCTORS USING COMPANY APPROVED CONNECTORS (SEE TABLES 4A AND 4B ON SHEET 6 OF 7) UNDER THE FOLLOWING:
    - CON EDISON'S SERVICE CONDUCTORS ARE 1/0 AL OR SMALLER FROM POLE LINE TO POINT OF ATTACHMENT
    - WORK IS PERFORMED ON WEATHER HEAD AND/OR STANDPIPE WHERE CON EDISON'S SERVICE CONDUCTORS FROM POLE LINE TO POINT OF ATTACHMENT REMAIN UNALTERED
    - SERVICE CONNECTIONS AT FINAL TERMINATION POINT OF ALLEY TAPS OR OUTDOOR LOOPS
12. BEFORE MAKING THE CONNECTIONS, ALUMINUM OR COPPER CONDUCTORS MUST BE WIRE BRUSHED, CLEANED AND THEN COATED IMMEDIATELY WITH AN OXIDE INHIBITOR, C/S# 631–0015 OR 635–0599.
13. IF POINT OF ATTACHMENT CONSISTS OF CLEVIS AND SPOOL, SERVICE INSULATOR BAIL IS NOT NEEDED. SERVICE INSULATOR BAIL MAY BE USED ALONG WITH CLEVIS AND SPOOL TO MAINTAIN APPROPRIATE CLEARANCES SPECIFIED ON SHEET 5 OF 7.
14. VERTICAL CLEARANCE FROM GRADE TO SPAN POINT WITH MAXIMUM SAG TO MEET VALUES OF EO–4647–C.
15. THE WEATHER HEAD ON A SERVICE CONDUIT SHALL BE TURNED DOWNWARD. A SUFFICIENT DRIP LOOP SHALL BE PRESENT TO PREVENT WATER INGRESS. WHEN SEU/SER/SE CABLE IS UTILIZED, THE WEATHER HEAD SHALL BE INSTALLED VERTICALLY.
16. REGIONAL DISTRIBUTION ENGINEERING TO ASSESS POLE STRENGTH BEFORE INSTALLING ANY NEW SERVICE CONDUCTORS AT A POLE OR MIDSPAN, WHEN TRANSITIONING FROM ANY SERVICE SMALLER THAN 1/0 AL TO ANY SERVICE LARGER THAN 1/0 AL, OR WHEN UPGRADING FROM ANY THREE TO FOUR WIRE SERVICE.
17. PARALLEL GROOVE CLAMPS, COMPRESSION CONNECTORS, OR WEDGE–TYPE CONNECTORS SHALL NOT BE TAPED UNLESS NOTED OTHERWISE.

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

No.	REVISIONS	PROJ ENG'R	DATE
24	MOVED CONSTRUCTION NOTES FROM SHEET 6 OF 7 TO SHEET 7 OF 7. REMOVED NOTE 13. MODIFIED NOTES 10 & 11. K.T. 2/22/2017	R. DOMINGUEZ	2/22/2017

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

CUSTOMER'S ELECTRIC OVERHEAD SERVICE CONDUCTORS

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

DATE 3/24/53
LAST REV. 2/22/2017

DWG. NO. EO-6218-B REV. 24 SH. 7 OF 7

COMPUTER GENERATED DRAWING
NOT TO BE HAND REVISED

No.	REVISIONS	PROJ. ENG'R	DATE
24	SEE ABOVE REVISION BOX	R. DOMINGUEZ	2/22/2017

DRAWN BY J.T. ABBRUSCATO DATE 4/14/04
CHECKED BY DATE
APPROVED
MAGGIE CHOW, MGR. NON–NETWORK SYSTEMS MANAGER 11/23/04 DATE
DISCIPLINE CODE
SCALE
LUIS ORTEGA, PROJECT ENGINEER 11/23/04 DATE