

SECONDARY SERVICES MINIMUM CLEARANCES

MAXIMUM SPAN FOR 3 OR 4 CONDUCTOR SERVICES						
HEIGHT OF MAST ABOVE ROOF SUPPORT	FOR MAST OF NOMINAL PIPE SIZE/CONDUCTOR					
	2"		2-1/2"		3"	
	1/O AL	4/O AL	1/O AL	4/O AL	1/O AL	4/O AL
2'-0"	90'-0"	74'-0"	124'-0"	98'-0"	—	—
3'-0"	74'-0"	60'-0"	102'-0"	81'-0"	128'-0"	102'-0"
4'-0"	64'-0"	52'-0"	88'-0"	70'-0"	112'-0"	91'-0"
5'-0"	57'-0"	47'-0"	79'-0"	63'-0"	99'-0"	81'-0"
5'-6"	54'-0"	45'-0"	75'-0"	60'-0"	95'-0"	77'-0"

FOR SAG AND TENSION TABLE FOR MID-SPAN TAPS, REFER TO EO-15361-B (MID-SPAN SERVICE ON MESSENGER OR SPACER BRACKET WITH BAIL)

Approved

APPROVED MAST MOUNTED WIREHOLDERS/BRACKETS

DESCRIPTION	PIPE SIZE	MACLEAN POWER SYS.	HUBBELL
PIPE RISER/MAST SINGLE SPOOL CLEVIS (ANSI 53-2 INSULATOR SEPERATE)	2-1/2"	J0311	DW8M1
PIPE MOUNTED PLASTIC WIREHOLDER	1-1/4" TO 2-1/2"	J0558Z J0558ZG	C2070144 C2070144G
	3" TO 4"	J0558Z * J0558ZG*	C2070145 C2070145G
PIPE MOUNTED PORCELAIN WIREHOLDER	1-1/4" TO 2-1/2"	—	C2070075
	3" TO 4"	—	C2070076
MAST SERVICE DEADEND BRACKET	1-1/4" TO 2"	—	DC12M1
	1-1/4" TO 3"	J0590	C2060169
	2" TO 4"	SMB-40	—

* CAN ONLY BE USED FOR 3 INCH PIPE MAST

NOTES:

- IN NYC, INSTALLATION SHALL MEET REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), WITH ALL NYC AMENDMENTS. IN WESTCHESTER, THE NEC OR LOCAL MUNICIPAL CODE 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 NOTE 4 CAN BE MET.
- MAST SHALL BE ERECTED AT A HEIGHT NECESSARY TO PROVIDE CLEARANCES INDICATED AND WITH A MINIMUM SAG OF 4'-6" FOR THE SERVICE AT 80°F.
- PIPE MAST SHALL BE STEEL PIPE API 5L SCH. 40 OR HEAVIER (GALVANIZED).
- IN WESTCHESTER 12'-0" MIN. WILL BE ACCEPTABLE PROVIDED ALL OTHER CLEARANCES ARE MET. IN NYC 12'-0" MIN. WILL BE ACCEPTABLE IN AREAS NOT TRAVERSED BY TRUCKS (I.E. BACKYARDS, ALLEYWAYS) PROVIDED ALL OTHER CLEARANCES ARE MET. CLEARANCE ARE MEASURED FROM THE LOWEST PORTION OF THE CONDUCTOR INCLUDING THE DROP LOOP.
- IT IS PREFERRED THAT ALL SERVICE CONNECTIONS BE DIRECTLY ACCESSIBLE FROM A 24 FT TO 40 FT LADDER PLACED ON THE GROUND. IF THIS IS NOT FEASIBLE, SERVICE CONNECTIONS SHALL BE ACCESSIBLE FROM A BUCKET. PLEASE CONTACT CON EDISON'S ENERGY SERVICES DEPARTMENT.
- CLEARANCES FROM SWIMMING POOLS AND DIVING PLATFORMS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE AND EO-4647-C.

No.	REVISIONS	PROJ. ENGR	DATE
13	MAXIMUM SPAN TABLE - CHANGED TITLE. - REVISED TABLE. NOTES - REVISED NOTE 4. H.J.M. 01/29/18	TRENT RICKLEFS	01/29/18

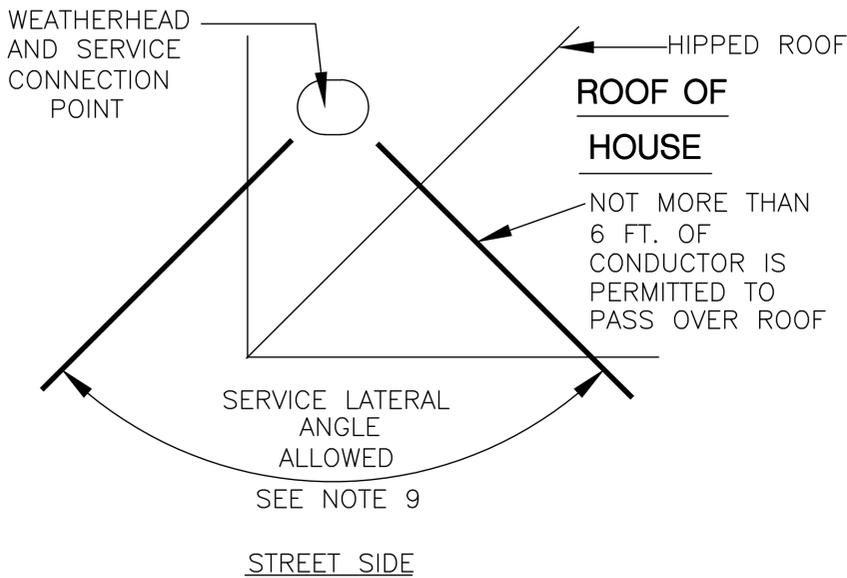
CUSTOMER'S ELECTRIC OVERHEAD SERVICES TO PIPE MASTS AND CLEARANCES

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

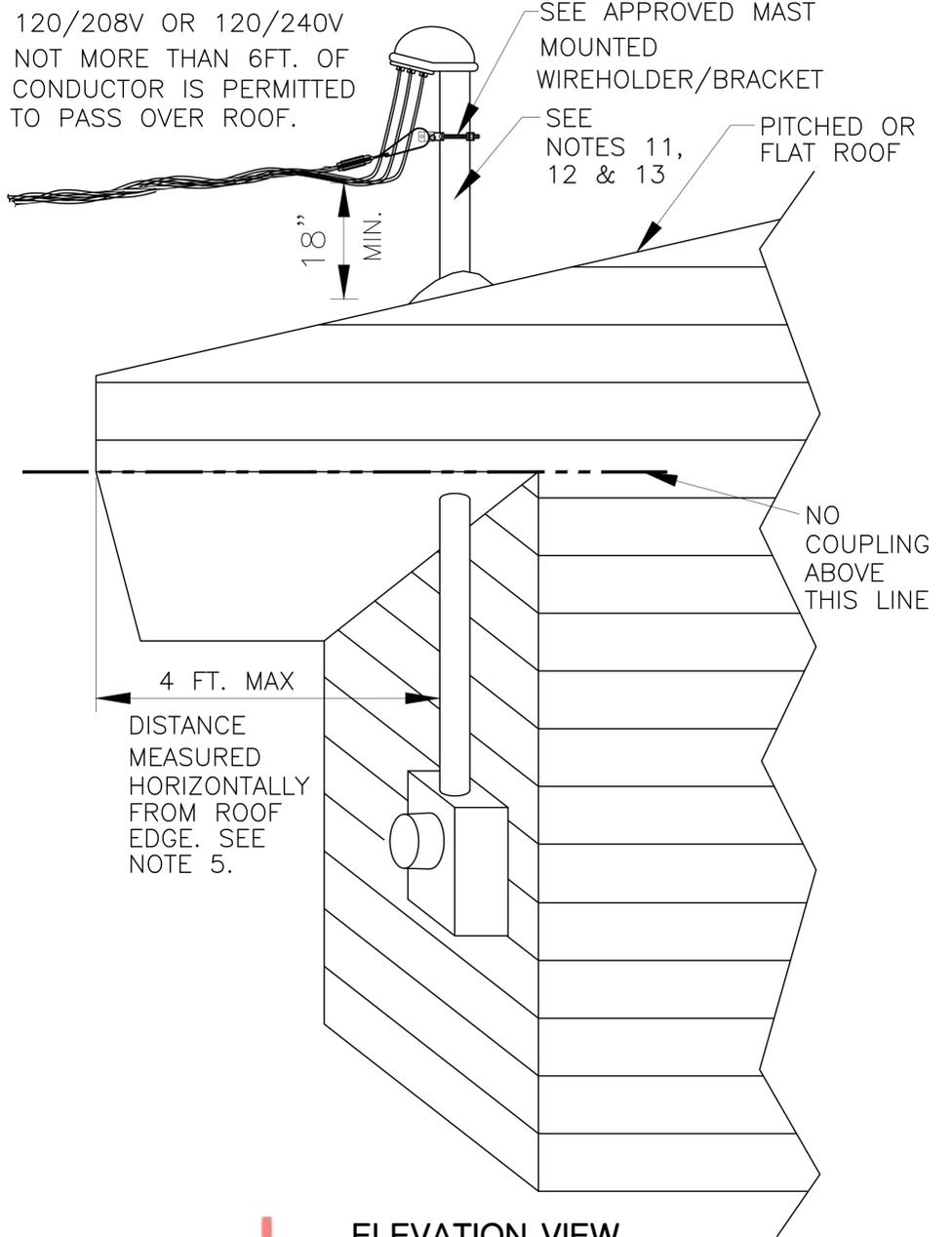
DATE 6-6-58
LAST REV. 01/29/18
DWG. NO. EO-8746-B
REV. 13 SH. 1 OF 2

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED	No.	REVISIONS	PROJ. ENGR	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED
		13	SEE ABOVE REVISION BOX	TRENT RICKLEFS	01/29/18				

EO-8746-B



WEATHERHEAD AND CONNECTION POINT ABOVE ROOF LINE (PLAN VIEW)



ELEVATION VIEW CLEARANCE REQUIREMENTS OF SERVICE CONDUCTORS FROM ROOVES AND PIPE MASTS OVERHANGING ROOVES

Approved

NOTES:

- 7. SERVICE CONDUCTORS TRAVELING TO THE POLE SHALL BE NO LESS THAN 3" FROM THE EDGE OF A BUILDING OR RAIN GUTTER DOWN SPOUT.
- 8. THE SERVICE CONDUCTOR SHALL NOT CROSS A WINDOW LESS THAN 3 FEET IN ANY DIRECTION AS PER EO-4647-C.
- 9. 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 THE SERVICE CONNECTION POINT, A MESSENGER SERVICE OR MID-SPAN SERVICE TAP SHALL BE UTILIZED AS PER EO-15361-B.
- 10. IF SERVICE DROP NEEDS TO CROSS ABOVE RAILROAD TRACKS, APPROVAL SHALL BE OBTAINED FROM DISTRIBUTION ENGINEERING'S OVERHEAD STANDARDS AND PLANNING GROUP'S MANAGER.
- 11. PIPE MAST SHALL BE AN UNALTERED STRAIGHT PIPE. NO COUPLINGS ARE PERMITTED ABOVE OR WITHIN ROOF SUPPORT. PLEASE SEE ELEVATION VIEW - CLEARANCE REQUIREMENTS OF SERVICE CONDUCTORS FROM ROOVES AND PIPE MASTS OVERHANGING ROOVES. ANY REQUIRED BENDS ARE ONLY PERMITTED BELOW ROOF SUPPORT.
- 12. NOTHING EXCEPT POWER SERVICE-DROP CONDUCTORS SHALL BE ATTACHED TO THE PIPE MAST.
- 13. PIPE MAST DOES NOT HAVE TO GO THROUGH THE ROOF, BUT IT DOES HAVE TO BE SECURED TO THE BUILDING. THE HEIGHT OF THE MAST ABOVE THIS SUPPORT POINT IS INDICATED IN THE TABLE ON SHEET 1 OF 2.

REFER. DWG.:

OVERHEAD DISTRIBUTION CLEARANCE	-----	EO-4647-C
CUSTOMER'S ELECT. OVERHEAD SERVICE CONDUCTORS	-----	EO-6218-C
MID-SPAN SERVICES ON MESSENGER OR ON SPACER BRACKET WITH BAIL	-----	EO-15361-B
INSTALLATION OF OUTDOOR WATTHOUR METER SOCKET	-----	MES-394

No.	REVISIONS	PROJ. ENG'R	DATE
13	ELEVATION VIEW - CHANGED SEE "NOTES 11 & 12" TO "SEE NOTES 11,12 &13". NOTES - ADDED NOTE 13.	TRENT RICKLEFS	01/29/18
	H.J.M.		01/29/18

FILING INFORMATION	
FIELD MANUAL No. 23, OH CONSTRUCTION, SECT. 1.6: SECONDARY / SERVICES.	
FIELD MANUAL No. 9, SECT. 6: SERVICES	
CONSTRUCTION STDS. MANUAL No. 3, SECT 7: SERVICES AND RISERS, OVERHEAD.	

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CONSOLIDATED EDISON COMPANY OF N.Y., INC. DISTRIBUTION ENGINEERING DEPT	
DATE 6-6-58	DWG. NO. EO-8746-B REV. 13 SH. 2 OF 2
LAST REV. 01-29-18	

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED	No.	REVISIONS	PROJ. ENG'R	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED
	13	SEE ABOVE REVISION BOX	TRENT RICKLEFS	01/29/18					SCADA, USS, OVRHD STANDARDS & PLANNING DATE
					DISCIPLINE CODE	SCALE			PROJECT ENGINEER DATE