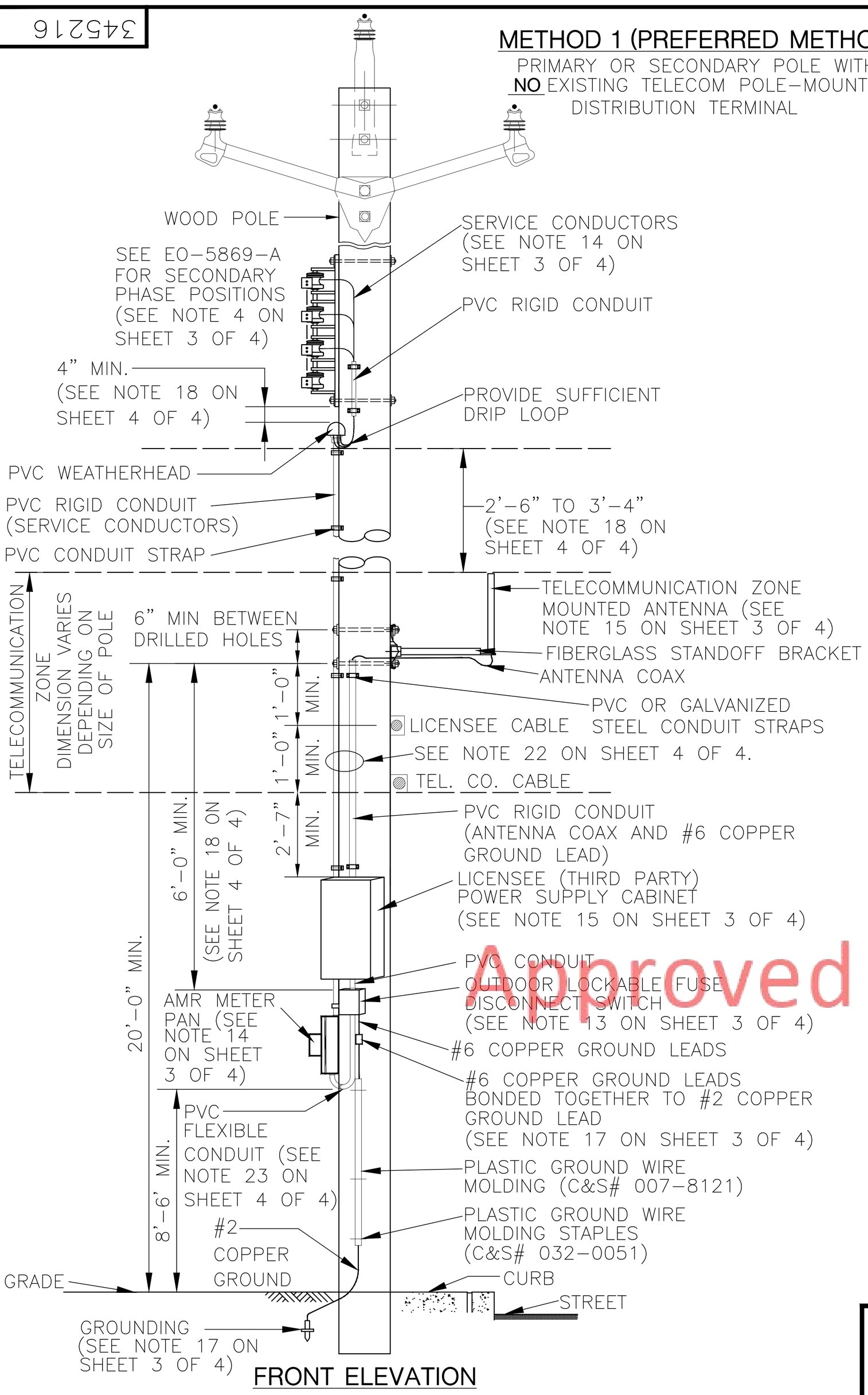
345216

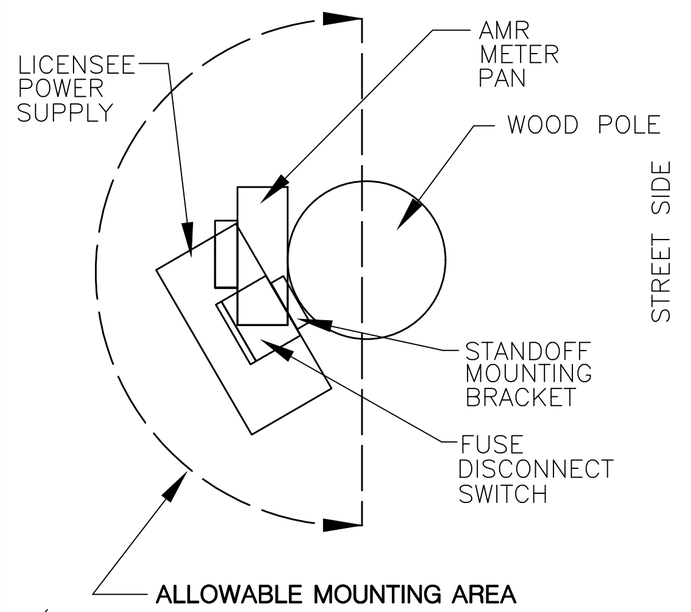
METHOD 1 (PREFERRED METHOD)

PRIMARY OR SECONDARY POLE WITH NO EXISTING TELECOM POLE–MOUNTED DISTRIBUTION TERMINAL



FRONT ELEVATION

POLE WITH NO EXISTING TELECOM POLE-MOUNTED DISTRIBUTION TERMINAL

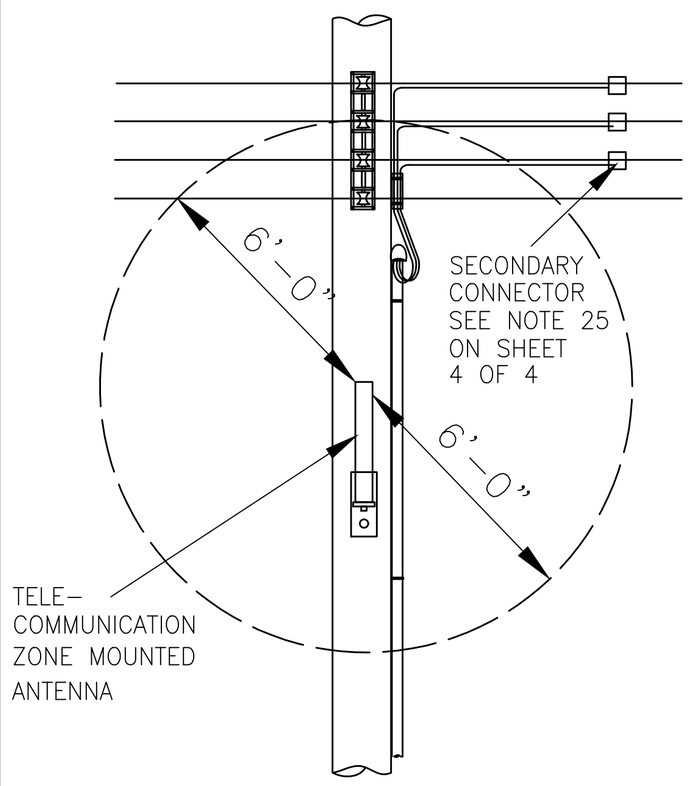


(THIRD–PARTY EQUIPMENT CAN BE MOUNTED ANYWHERE WITHIN THIS RANGE AS LONG AS NO EXISTING TELECOM POLE–MOUNTED DISTRIBUTION TERMINAL IS ON THE POLE)

PLAN VIEW

AVOIDANCE ZONE FROM AN ENERGIZED ANTENNA

(SEE NOTE 4 ON SHEET 3 OF 4)



SIDE ELEVATION

TELECOM ANTENNA GROUNDING CONDUCTOR MAY BE BONDED TO THE CECONY MULTI GROUNDED SYSTEM NEUTRAL, PROVIDED CECONY IS NOT LIABLE FOR ANY DAMAGE THAT MIGHT OCCUR TO TELECOM FACILITIES AS A RESULT OF THE CONNECTION. FOR ADDITIONAL REQUIREMENTS, SEE TeAM POLICY 003–01–0.

No.	REVISIONS	PROJ ENG'R	DATE
4	ADDED "SEE NOTE 25" TO SECONDARY CONNECTOR SHOWN IN SIDE ELEVATION.. K.T. 3/20/2020	T. RICKLEFS	3/20/2020

MATERIAL REQUIRED:

ALL MATERIAL REQUIRED (EXCEPT THE METER) FOR THE INSTALLATION OF THE ANTENNA ASSEMBLY, SHALL BE SUPPLIED BY THE CUSTOMER.

LICENSEE (THIRD-PARTY) ANTENNA MOUNTED IN THE TELECOMMUNICATION ZONE ON DISTRIBUTION POLE

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

DATE 06/06/05
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No.	REVISIONS	PROJ. ENG'R	DATE
4	SEE ABOVE REVISION BOX FOR CHANGES.	T. RICKLEFS	3/20/2020

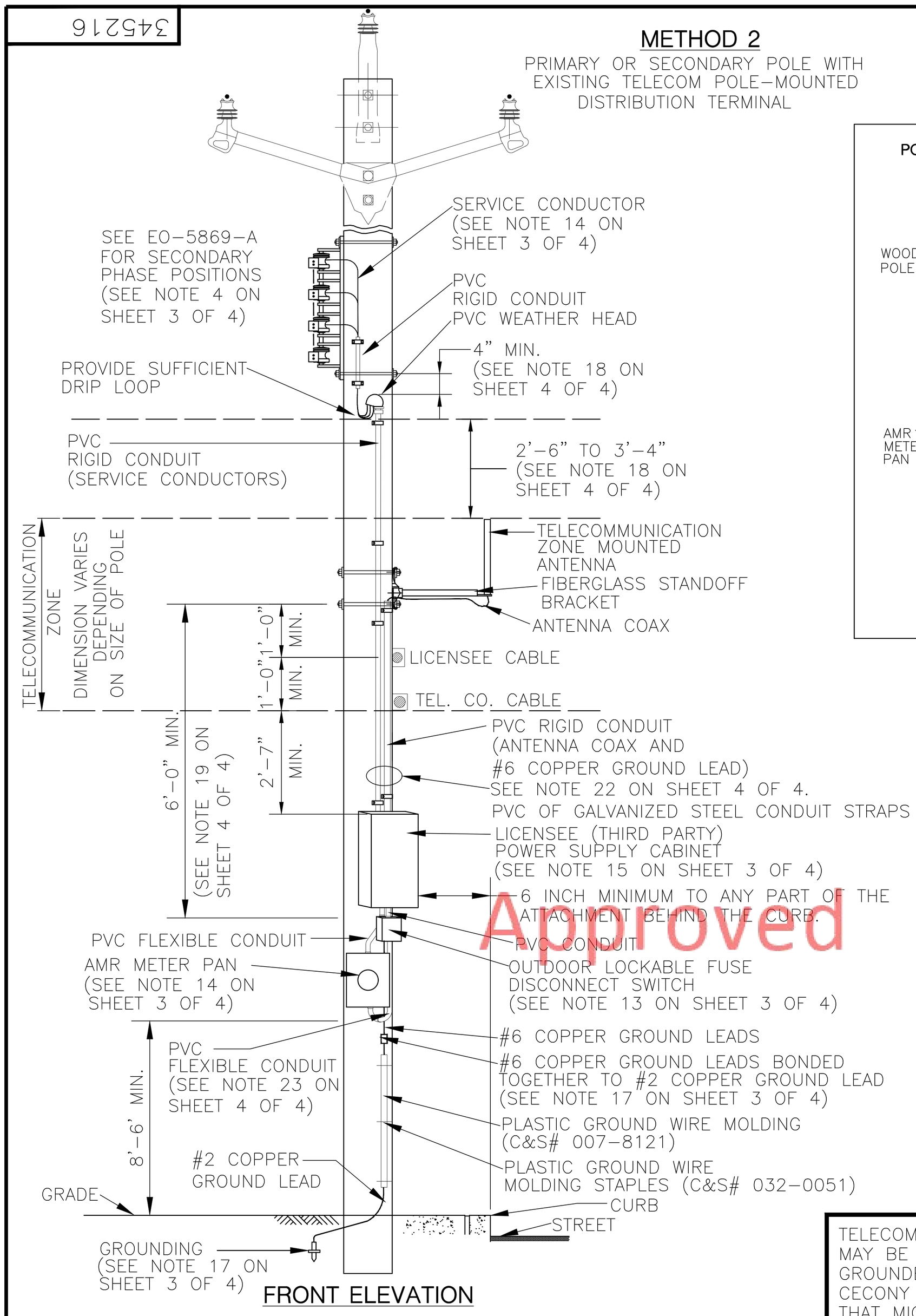
DRAWN BY H.J.MARK	DATE 06/06/05	CHECKED BY	DATE
DISCIPLINE CODE		SCALE N.T.S.	

APPROVED
LEEMAN HONG — MGR. NON–NETWORK SYSTEMS — 06/06/05 DATE
CHRIS GRABOWSKI — PROJECT ENGINEER — 06/06/05 DATE

345216

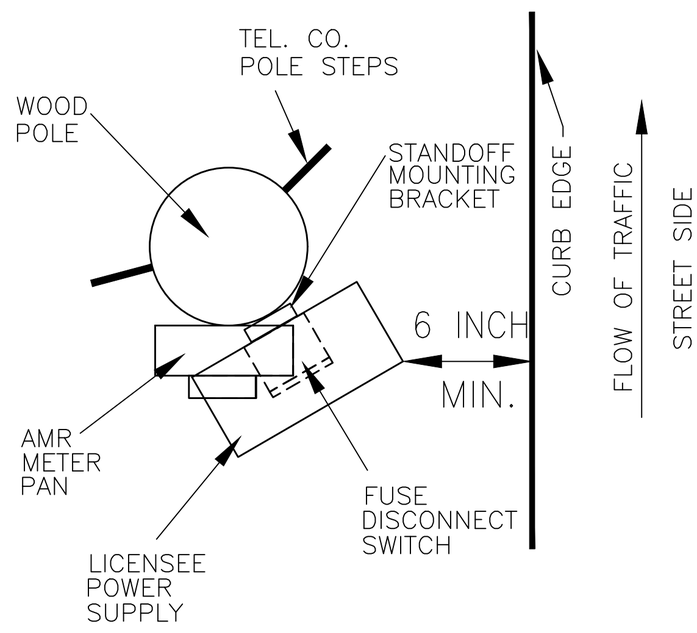
METHOD 2

PRIMARY OR SECONDARY POLE WITH EXISTING TELECOM POLE–MOUNTED DISTRIBUTION TERMINAL



FRONT ELEVATION

POLE WITH EXISTING TELECOM POLE-MOUNTED DISTRIBUTION TERMINAL



PLAN VIEW

Approved

TELECOM ANTENNA GROUNDING CONDUCTOR MAY BE BONDED TO THE CECONY MULTI GROUNDED SYSTEM NEUTRAL, PROVIDED CECONY IS NOT LIABLE FOR ANY DAMAGE THAT MIGHT OCCUR TO TELECOM FACILITIES AS A RESULT OF THE CONNECTION. FOR ADDITIONAL REQUIREMENTS, SEE TeAM POLICY 003–01–0.

No.	REVISIONS	PROJ ENG'R	DATE
4	ADDED NOTE STATING "6 INCH MINIMUM TO ANY PART OF ATTACHMENT BEHIND THE CURB" K.T. 3/20/2020	T. RICKLEFS	3/20/2020

MATERIAL REQUIRED:

ALL MATERIAL REQUIRED (EXCEPT THE METER) FOR THE INSTALLATION OF THE ANTENNA ASSEMBLY, SHALL BE SUPPLIED BY THE CUSTOMER.

LICENSEE (THIRD-PARTY) ANTENNA MOUNTED IN THE TELECOMMUNICATION ZONE ON DISTRIBUTION POLE

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

DATE 06/06/05
LAST REV. 3/20/2020

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4	SEE ABOVE REVISION BOX FOR CHANGES.	T. RICKLEFS	3/20/2020

DRAWN BY H.J.MARK	DATE 06/06/05	CHECKED BY	DATE
DISCIPLINE CODE		SCALE N.T.S.	

APPROVED
LEEMAN HONG, MGR. NON–NETWORK SYSTEMS — 06/06/05 DATE
CHRIS GRABOWSKI, PROJECT ENGINEER — 06/06/05 DATE

345216

CONSTRUCTION AND OPERATION NOTES:

1. ALL PROPOSED LICENSEE EQUIPMENT, MOUNTING BRACKET(S) AND MOUNTING CONFIGURATIONS MUST FIRST BE APPROVED BY CON EDISON PRIOR TO INITIAL INSTALLATION. DIAMETER OF PVC CONDUITS REQUIRED SHALL BE DETERMINED ON A CASE TO CASE BASIS AND APPROVED BY CON EDISON PRIOR TO INITIAL INSTALLATION. A POLE LOADING ASSESSMENT SHALL BE CONDUCTED BY THE LICENSEE (ANTENNA OWNER), AND REVIEWED AND APPROVED BY CON EDISON PRIOR TO THE INITIAL INSTALLATION. A LOADING ANALYSIS SHALL BE PERFORMED BY A LICENSED ENGINEER IN THE STATE OF NEW YORK SHOWING THAT ANY MOUNTING BRACKETS USED WILL WITHSTAND THE NESC WIND AND ICE LOADING WITH THE ANTENNA ATTACHED.

2. ANTENNAS SHALL NOT BE INSTALLED ON POLES WITH EXISTING TELECOMMUNICATION EQUIPMENT CABINETS UNLESS APPROVAL IS GRANTED BY BOTH THE TELEPHONE COMPANY AND CON EDISON. MORE THAN ONE ANTENNA IS ALLOWED TO BE INSTALLED ON THE SAME POLE AS LONG AS THERE IS ONLY ONE DISCONNECT SWITCH (DESCRIBED IN NOTE #13) THAT DE-ENERGIZES ALL ANTENNAS ON THIS POLE.
3. ANTENNAS SHALL NOT BE INSTALLED ON ANY EQUIPMENT OR AMI POLES. ANTENNAS ARE ALLOWED ON POLES THAT ONLY HAVE A FUSED CUTOUT SWITCH. ANTENNAS ON POLES WITHOUT RISERS IS PREFERRED. INSTALLATION ON POLES WITH RISERS IS PERMISSIBLE IF IT CAN BE WORKED FROM A BUCKET TRUCK.
4. CON EDISON OR COMPANY APPROVED ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK ABOVE THE TELECOMMUNICATION ZONE. CONNECTIONS TO THE CON EDISON SECONDARY SYSTEM NEUTRAL OR PHASE CONDUCTORS SHALL ONLY BE MADE BY CON EDISON. ALL SECONDARY SERVICE CONNECTIONS SHALL BE LOCATED AT LEAST 6 FEET FROM THE ANTENNA, AS SHOWN IN ON SHEET 1 OF 4.
5. A RF REVIEW, IN ACCORDANCE WITH INTERFERENCE SPECIFICATION 011404A SHALL BE CONDUCTED BY CON EDISON PRIOR TO ANY CONSTRUCTION ACTIVITIES.
6. LICENSEE TRANSCEIVERS SHALL NOT BE CO-LOCATED WITH GE DAS OR ITRON EQUIPMENT AT DISTRIBUTION FACILITIES.
7. LICENSEE OPERATORS SHALL DEPLOY AND OPERATE TRANSCEIVER EQUIPMENT IN ACCORDANCE WITH THE RECOMMENDATION AND GUIDELINES FOR INTERFERENCE AVOIDANCE AND MITIGATION IN THE 800 MHz BAND SPECIFIED IN INTERFERENCE SPECIFICATION 011404A.
8. IT IS THE ANTENNA OWNER'S RESPONSIBILITY TO INFORM ALL POLE ATTACHE'S OF THE RF EXPOSURE HAZARDS AND MITIGATION TECHNIQUES.
9. A WARNING SIGN SHALL BE PLACED ON THE POWER SUPPLY BY LICENSEE REGARDING RF EMISSIONS IN ACCORDANCE WITH IEEE C95.2-1999 AND FCC OET BULLETIN 65.
10. LICENSEE (ANTENNA OWNER) IS RESPONSIBLE FOR PLACING A SIGN ON THE POWER SUPPLY INDICATING A 24 HR CONTACT PHONE NUMBER IN CASE OF EMERGENCY. PHONE NUMBER MUST BE VISIBLE FROM GROUND.
11. ENTIRE ANTENNA ASSEMBLY (BRACKET, ANTENNA & COAX), AND LICENSEE'S FIBER OPTIC CABLE(S) MUST BE LOCATED WITHIN THE LIMITS OF THE TELECOMMUNICATION ZONE.
12. THE PREFERRED POSITION OF THE ANTENNA SHALL BE ON THE STREET SIDE OF THE POLE.
13. THE LICENSEE'S POWER SUPPLY/REPEATER SHALL BE EQUIPPED WITH AN EXTERNAL PAD-LOCKABLE AC/BATTERY COMBO DISCONNECT SWITCH BETWEEN THE METER PAN AND POWER SUPPLY/REPEATER. THE PAD LOCKABLE AC/BATTERY DISCONNECT SWITCH MUST CUTOFF AC POWER TO THE POWER SUPPLY/REPEATER AND BACKUP BATTERY POWER (IF APPLICABLE) TO THE POWER SUPPLY/REPEATER. THE POWER SUPPLY/REPEATER CABINET SHALL BE EQUIPPED WITH AN EXTERNAL INDICATOR LIGHT THAT WILL VERIFY THE ANTENNA IS SHUT DOWN. THE EXTERNAL INDICATOR LIGHT SHALL BE MOUNTED ON THE BOTTOM OF DISCONNECT SWITCH SO IT CAN BE VISIBLE FROM GROUND LEVEL. THE DISCONNECT SWITCH MAY BE MOUNTED ABOVE, NEXT TO, OR BELOW THE METER AS LONG AS THE INDICATOR LIGHT IS VISIBLE FROM THE GROUND.
14. AN AMR METER SHALL BE UTILIZED FOR THIS APPLICATION. REFER TO ENERGY SERVICES BLUE BOOK "A CUSTOMER GUIDE TO ELECTRICAL SERVICE INSTALLATION" SPECIFICATION FOR CON EDISON APPROVED EQUIPMENT. ACTUAL NUMBER OF SERVICE CONDUCTORS REQUIRED SHALL BE DEPENDANT ON TYPE OF AMR METER USED. ONLY ONE ELECTRIC METER WILL BE ALLOWED ON A POLE.
15. ANTENNA DIMENSIONS NOT TO EXCEED 72"H X 15" DIAMETER. POWER SUPPLY/REPEATER CABINET DIMENSIONS NOT TO EXCEED SIZE RESTRICTIONS MANDATED BY DOITT OR BY LOCAL AUTHORITIES HAVING JURISDICTION. THE POWER SUPPLY/REPEATER CABINET MUST BE INSTALLED IN A MANNER THAT A WORKER CAN CLIMB AROUND IT IF NEEDED.
16. IF ANTENNA IS TO BE MOUNTED DOWNWARD, PERMISSION MUST FIRST BE GRANTED BY TELECOMMUNICATION COMPANIES PRIOR TO INSTALLATION AND ENTIRE ANTENNA ASSEMBLY MUST BE WITHIN THE LIMITS OF THE TELECOMMUNICATION ZONE.
17. A DRIVEN GROUND MUST BE INSTALLED BY THE LICENSEE AND SHALL BE TESTED IN ACCORDANCE WITH IEEE STS#81. A TEST REPORT SHALL BE SUBMITTED TO THE CFS-TECHNICAL SERVICE LABORATORY FOR REVIEW. SEE EO-8265-B FOR INSTALLATION OF DRIVEN GROUND RODS. GROUND WIRE LEADS FROM THE LICENSEE EQUIPMENT SHALL BE BONDED TOGETHER TO THE DRIVEN GROUND ROD AND THE CON EDISON SYSTEM NEUTRAL, AS PER TEAM POLICY 003-01-0 TO MAINTAIN AN EQUIPOTENTIAL WORK ZONE.

No.	REVISIONS	PROJ ENG'R	DATE
4	MODIFIED NOTES 2, 3, & 15 ON SHEET 3 OF 4. K.T. 3/20/2020	T. RICKLEFS	3/20/2020

LICENSEE (THIRD-PARTY) ANTENNA MOUNTED IN THE TELECOMMUNICATION ZONE ON DISTRIBUTION POLE

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

DATE 02/16/09
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DWG. NO. 345216 REV. 4 SH. 3 OF 4

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4	SEE ABOVE REVISION BOX FOR CHANGES.	T. RICKLEFS	3/20/2020

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APPROVED LEEMAN HONG MGR. NON-NETWORK SYSTEMS 06/06/05 DATE
CHRIS GRABOWSKI PROJECT ENGINEER 06/06/05 DATE

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CONSTRUCTION AND OPERATION NOTES:

18. A MINIMUM DISTANCE OF 2'–6" FROM THE LOWEST CON EDISON AERIAL CABLE TO THE TOP OF THE ANTENNA SHALL BE MAINTAINED. IF AERIAL CABLE IS NOT INSTALLED, A MINIMUM DISTANCE OF 3'–4" FROM THE LOWEST CON EDISON SECONDARY CONDUCTOR(S) TO THE TOP OF THE ANTENNA SHALL BE MAINTAINED. A MINIMUM DISTANCE OF 4" SHALL BE MAINTAINED FROM THE LOWEST CON EDISON SECONDARY ATTACHMENT TO THE TOP OF WEATHERHEAD. A MINIMUM DISTANCE OF 6'–0" SHALL BE MAINTAINED FROM THE DISCONNECT SWITCH TO THE ANTENNA. IF ADDITIONAL CLEARANCE OPTIONS ARE REQUIRED, REFER TO CON EDISON STANDARD 335241 FOR DETAILS.
19. CON EDISON EMPLOYEES WHO MAY HAVE TO WORK NEAR THE ANTENNA SHALL RECEIVE A JOB BRIEFING ON RF AWARENESS (OJT 7601) PRIOR TO WORKING AROUND ANTENNAS OR OTHER RF EMITTING EQUIPMENT.
20. CON EDISON EMPLOYEES SHALL MAINTAIN A CLEARANCE OF AT LEAST 6 FEET IN ALL DIRECTIONS FROM AN ENERGIZED ANTENNA, AS SHOWN ON SHEET 1 OF 4. EMPLOYEES WORKING WITHIN THE 6 FOOT ZONE SHALL DE–ENERGIZE THE ANTENNA PRIOR TO ENTERING THAT ZONE, PER THE METHOD DISCUSSED AT THE JOB BREIFING.
21. PRIOR TO TAGGING OUT THE ANTENNA, CON EDISON SHALL:
    - MAKE NOTIFICATION TO THE CUSTOMER 24 HOURS PRIOR TO THE REQUIRED OUTAGE FOR SCHEDULED WORK. FOR EMERGENCY WORK CON EDISON SHALL ATTEMPT TO NOTIFY THE LICENSEE AT THE TIME OF THE REQUIRED OUTAGE.
    - ON THE DAY OF THE SCHEDULED OUTAGE, THE CON EDISON CREW SHALL DE–ENERGIZE ANTENNA AND INSTALL STOP TAG.
    - WHEN THE CON EDISON WORK IS COMPLETED OR AT THE END OF THE DAY, THE CON EDISON CREW SHALL REMOVE STOP TAG AND RE–ENERGIZE ANTENNA.
    - THE DATE, STOP TAG NUMBER AND LICENSEE REPRESENTATIVE'S INFORMATION (IF KNOWN) SHALL BE RECORDED ON THE DOCS SHEET.
22. KEEP ALL CONDUIT AS CLOSE TOGETHER AS POSSIBLE.
23. FLEXIBLE CONDUIT IS ALLOWED ON THE LINE SIDE AS LONG AS IT DOES NOT EXTEND PAST THE TOP OF THE POWER SUPPLY CABINET.
24. FOR SERVICE TO THE POWER SUPPLY FROM THE UNDERGROUND PLEASE REFER TO EO–16286–C.
25. SECONDARY CONNECTIONS TO BE NO MORE THAN 6'–0" AWAY FROM THE POLE. SECONDARY LEADS SHALL BE TAPED TO THE SECONDARY TO PREVENT MOVEMENT.

REFERENCE SPECS. &DWGS;

LICENSEE (THIRD–PARTY) ANTENNA MOUNTED ON SECONDARY OR GUY DISTRIBUTION POLE	340361
POLE SPACE ALLOCATION AND TELECOMMUNICATION CLEARANCES	335241
INSTALLATION OF DRIVEN GROUND ROD	EO–8265–B
OVERHEAD PHASE POSITIONS	EO–5869–A
TELECOM FACILITY ATTACHMENT INTERFERENCES	TeAM POLICY 002–01–1
BONDING & GROUNDING OF TELECOM EQUIPMENT	TeAM POLICY 003–01–0
SERVICE CONNECTION TO CABLE TV POWER SUPPLY	EO–16286–C.

No.	REVISIONS	PROJ ENG'R	DATE
4.	ADDED EO-16282-C TO REFERENCE SPECS. & DWGS. ADDED CONSTRUCTION AND OPERATION NOTES 24 & 25.. K.T. 3/20/2020	T. RICKLEFS	3/20/2020

FILING INFORMATION

FIELD MANUAL No. 9 OVERHEAD CONSTRUCTION, SECT. 5; POLE INSTALLATION

FIELD MANUAL No.23 O.H. CONSTRUCTION, SECT. 1.6; SECONDARY/SERVICE

CONSTRUCTION STDS. MANUAL No. 3 SECT. 5: POLES AND CROSSARMS

LICENSE (THIRD-PARTY) ANTENNA MOUNTED IN THE TELECOMMUNICATION ZONE ON DISTRIBUTION POLE

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
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