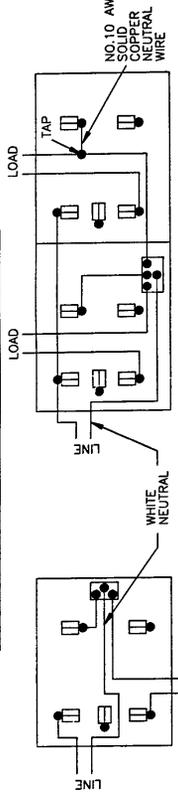


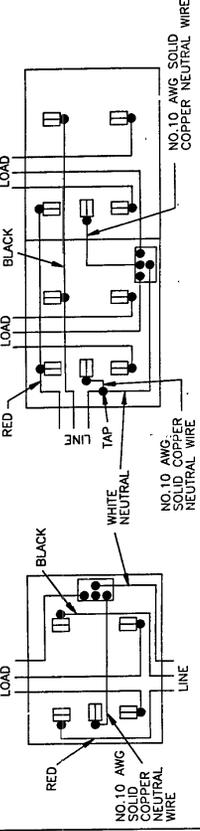
REVISIONS	
T.L. MATONZI P. PHILIPPODIS 8/28/93	16
REDRAWN TO CADAM ADDED "NEUTRAL WIRE" WHERE MISSING, CHG'D. "BONDING TERMINAL" TO "NEUTRAL BLOCK" MUST BE INSUL. WHEN INSTL. ON LOAD SIDE OF DISCONNECT V.D. 9/1/93 JP	17
V. FERGUSON 7/24/03	18
CHANGED NOTE 2. G.D. 7/24/03	
C. MAGOULAS 8/25/09	19
CHANGED TITLE BLOCK. N.P. 8/25/09	

WIRING DIAGRAMS

120 VOLT, 2-WIRE SERVICE

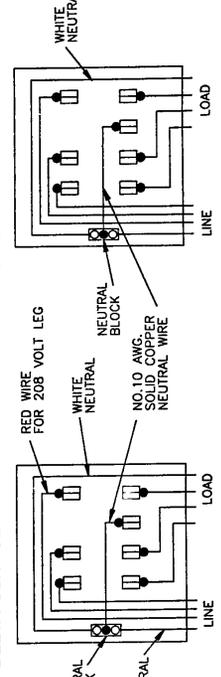


120/208 VOLT OR 120/240 VOLT, 3 WIRE LOAD

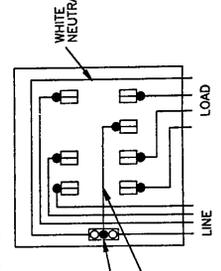


STREET CELEBRATION

120/240 VOLT, 3-PHASE, 4-WIRE DELTA SERVICE



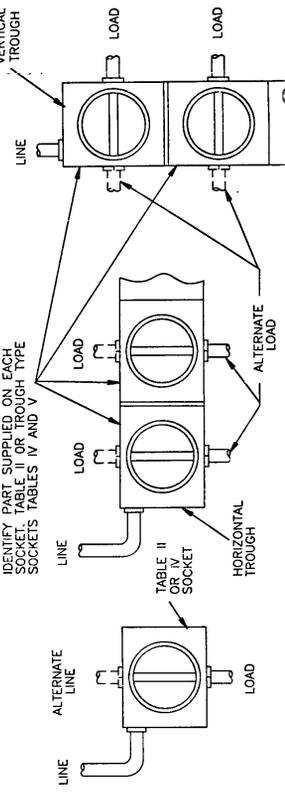
120/208 VOLT 4-WIRE WYE SERVICE



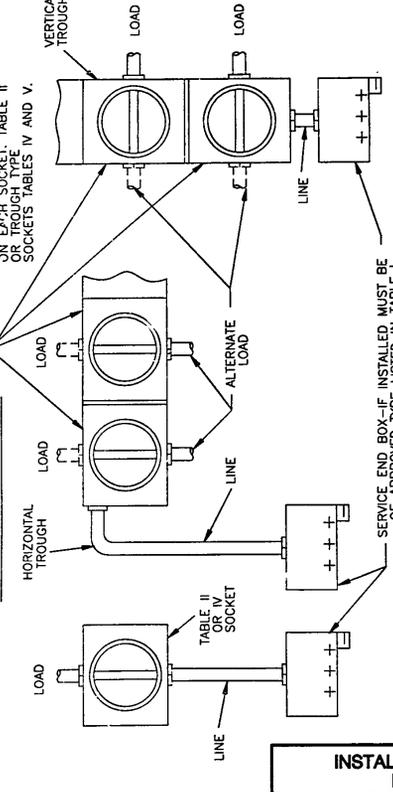
INDOOR METER SOCKET INSTALLATION

TOP ENTRY

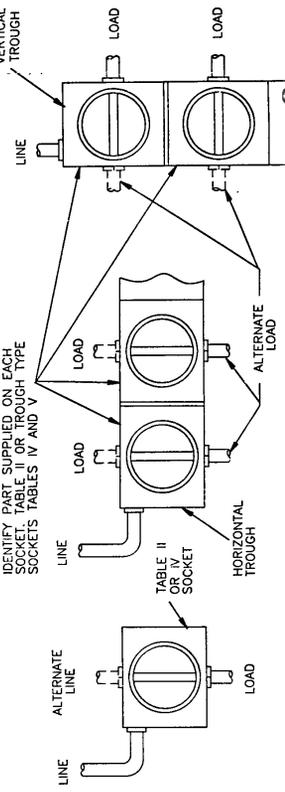
ONE METER



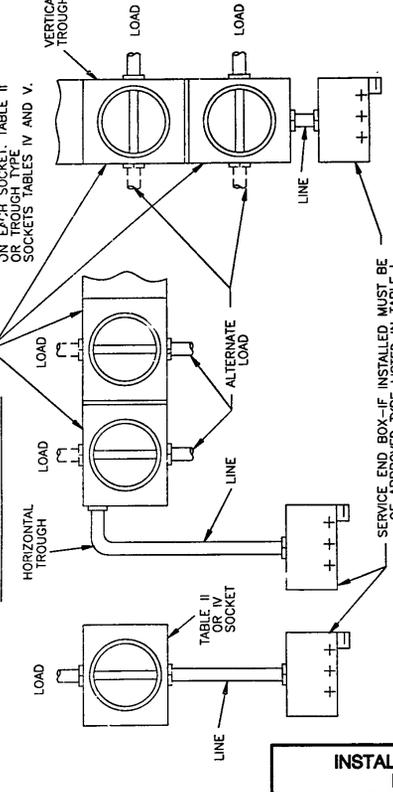
BOTTOM ENTRY



TWO OR MORE METERS



BOTTOM ENTRY



NOTES:

- 1- A NEW INSTALLATION OF ONE AND TWO METER SOCKETS FOR TWO AND THREE FAMILY HOUSES MUST BE ON THE LINE SIDE OF THE SERVICE DISCONNECT. THREE TO SIX METER SOCKETS FOR NON-RESIDENTIAL AND SOCKET METERS FOR MORE THAN THREE FAMILY HOUSES MUST BE ON THE LOAD SIDE OF THE SERVICE DISCONNECT. WHERE THE EXISTING SERVICE DISCONNECT IS ON THE LINE SIDE OF THE METER SOCKETS AND THE INSTALLATION OF AN ADDITIONAL METER SOCKET(S) NECESSITATES THE REPLACEMENT OF THE EXISTING SERVICE DISCONNECT, THE METER SOCKETS ARE TO BE INSTALLED ON THE LINE SIDE OF THE SERVICE DISCONNECT.
- 2- METER SOCKETS SHALL BE INSTALLED SO THE METER CENTER OPENING IS 4 FEET 6 INCHES MINIMUM TO 5 FEET 6 INCHES MAXIMUM ABOVE GRADE LEVEL. THE LOWEST METER SOCKET ON VERTICAL MULTIPLE POSITION (3 METERS OR LESS) OPENING TO FINISHED GRADE LEVEL.
- 3- METER SOCKETS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE POINT OF SERVICE ENTRANCE BUT SHALL NOT CONCEAL THE POINT WHERE AN UNDERGROUND SERVICE CONDUIT COMES THROUGH THE BUILDING WALL.
- 4- THE CONTRACTOR MUST CONNECT THE COLOR-CODED SERVICE CONDUCTORS TO ALL SOCKET JAWS EXACTLY AS SHOWN. COLORS ARE THE SAME AS REQUIRED BY PAR. B-30-62.0-0.2 OF THE ELECTRICAL CODE OF THE CITY OF NEW YORK. THE ELECTRICAL CODE OF THE CITY OF NEW YORK SHALL BE MAINTAINED FROM THE POINT OF SERVICE ENTRANCE TO THE METER SOCKETS.
- 5- ANY ENCLOSURE INCLUDING A CONDULET, INSTALLED BETWEEN THE POINT OF SERVICE ENTRANCE AND THE METER, SHALL ALLOW ACCESS TO THE SERVICE WIRING, SHALL BE SEPARATE.
- 6- METER SOCKETS ARE TO BE SET PLUMB AND LEVEL.
- 7- A BLANK COVER PLATE (TABLE II) MUST BE INSTALLED ON PROTECTED IN AN EQUIVALENT MANNER.
- 8- THERE SHALL BE A CLEAR SPACE OF AT LEAST 3 FEET IN FRONT OF ALL SOCKETS.
- 9- FOR 120/208 VOLT SERVICE, THE COMPANY WILL CONNECT THE CONTRACTOR'S COLOR CODED CONDUCTORS TO THE SERVICE BLACK LEADS REB.
- 10- WHEN SERVICE IS ALIVE, CORRECTNESS OF CONNECTIONS CAN BE DETERMINED AT THE METER SOCKETS WITH A PHASE SEQUENCE INDICATOR.
- 11- REFERENCE TO TABLE APPLIES TO "APPROVED ELECTRIC SERVICE EQUIPMENT" LISTING IN BOOK ENTITLED "REQUIREMENTS FOR ELECTRIC SERVICE INSTALLATIONS".
- 12- SEE MES 447 FOR WATTHOUR METER SOCKETS ON LOAD SIDE OF SERVICE DISCONNECT.
- 13- FOR STREET CELEBRATIONS, INSTALL A FIVE AWG WATTHOUR METER SOCKET FOR 3-WIRE SUPPLY OR FOR 2-WIRE SUPPLY TO ANY LOAD WITH OR WITHOUT DEMAND. INSTALL A SEVEN AWG WATTHOUR METER SOCKET FOR 4-WIRE SERVICE.

INSTALLATION OF INDOOR WATTHOUR METER SOCKETS ON LINE SIDE OF SERVICE DISCONNECTS
CONSOLIDATED EDISON COMPANY OF N.Y., INC.
ELECTRIC METER SHOP

DATE 3-28-52
 LAST REV. 8/25/09
 DWG. NO. **MES 395** REV. 19

FIELD MANUAL NO. 4, SECTION 6
FIELD MANUAL NO. 16, SECTION 3

DRAWN BY	DATE	CHECKED BY	DATE
DISCIPLINE CODE	19-93	SCALE	NONE
APPROVED			
MOR. O. R. MONSON			
MOR. JAMES V. FALLON			