

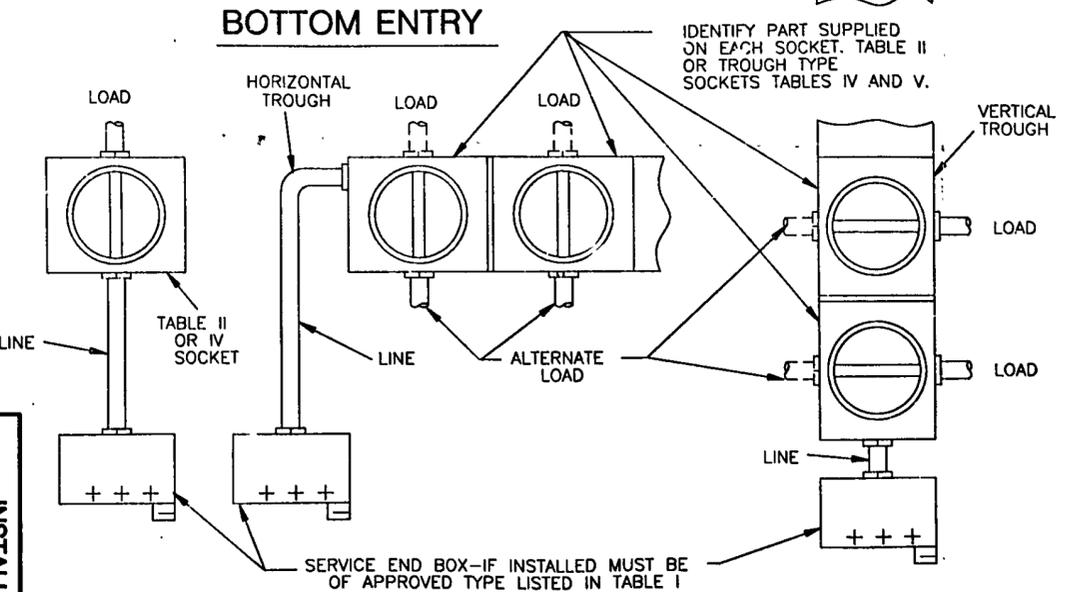
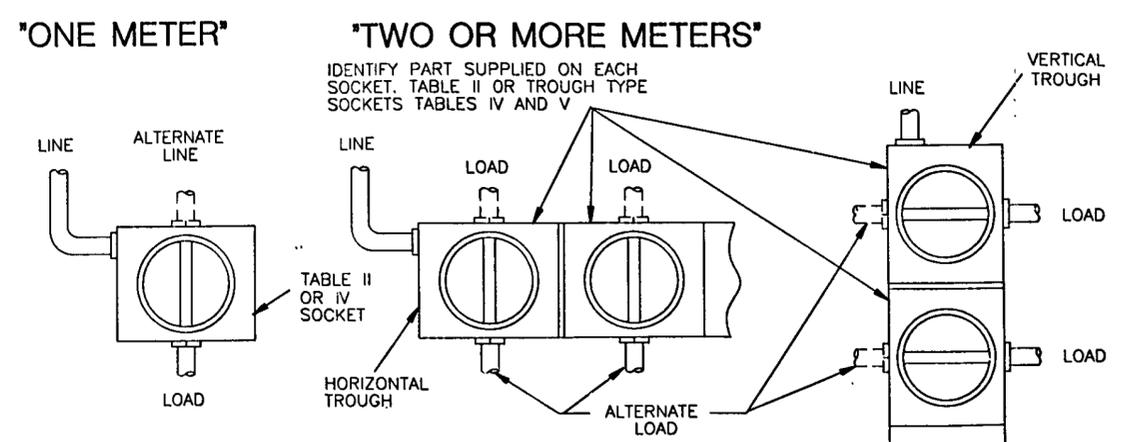
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ADDED NEUTRAL WIRE ON 120/208 VOLT LOAD. UPDATED DWG. V.D. 3-14-96

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

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

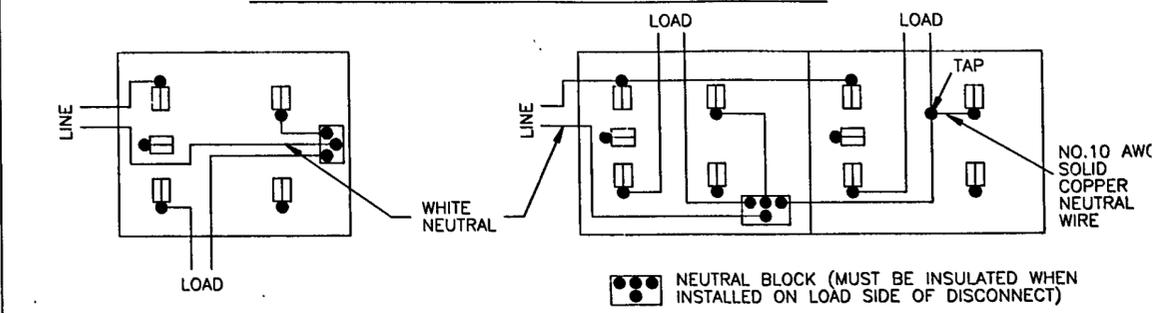
INDOOR METER SOCKET INSTALLATION TOP ENTRY



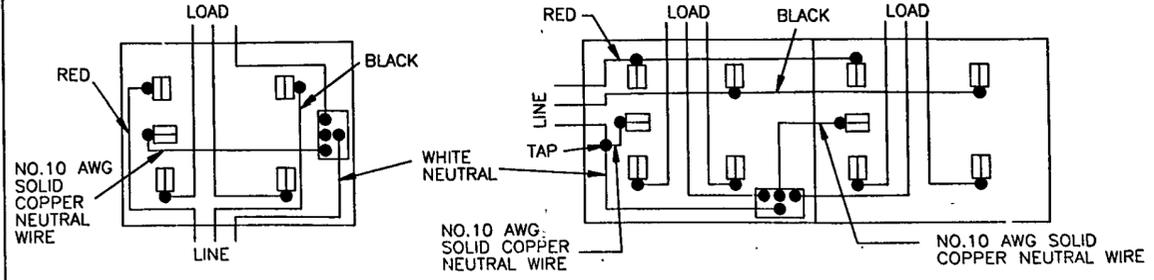
NOTES:

- 1- A NEW INSTALLATION OF ONE AND TWO METER SOCKETS FOR NON-RESIDENTIAL CUSTOMERS, AND METER SOCKETS FOR ONE, 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 MAY BE ON THE LINE 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- SINGLE METER SOCKETS OR SINGLE ROWS OF THE METER SOCKETS SHOULD BE INSTALLED AT A HEIGHT OF APPROX. 5'-6" FROM THE FLOOR TO THE CENTER OF THE SOCKETS.
- 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.

WIRING DIAGRAMS 120 VOLT, 2-WIRE SERVICE

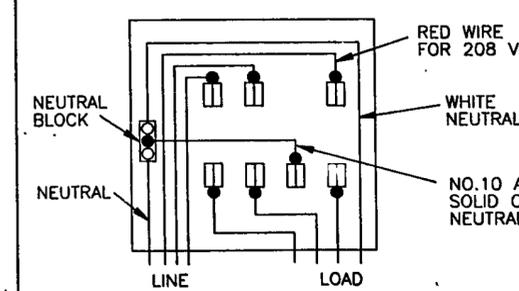


120/208 VOLT OR 120/240 VOLT, 3 WIRE LOAD

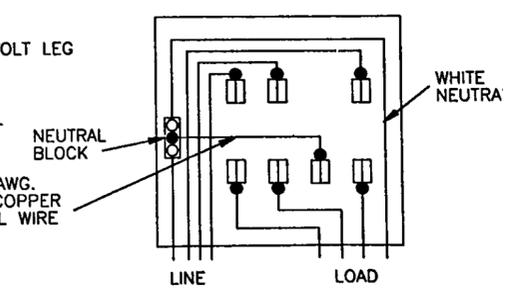


STREET CELEBRATION

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



120/208 VOLT 4-WIRE WYE SERVICE



- 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-D.2 OF THE ELECTRICAL CODE OF THE CITY OF NEW YORK. PHASE IDENTIFICATION BY COLOR 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, WHICH ALLOWS ACCESS TO THE SERVICE WIRING, SHALL BE SEALABLE.
- 6- METER SOCKETS ARE TO BE SET PLUMB AND LEVEL.
- 7- A BLANK COVER PLATE (TABLE III) MUST BE INSTALLED ON EACH METER SOCKET, OR SOCKETS SHALL BE OTHERWISE 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 SERVICE CONDUCTORS WITH PHASE SEQUENCE SO THAT FOR 3 WIRE SERVICE LEADS RED.
- 10- WHEN SERVICE IS ALIVE, CORRECTNESS OF CONNECTIONS CAN BE DETERMINED AT THE METER SOCKETS WITH A PHASE SEQUENCE INDICATOR.
- 11- REFERENCE TO TABLES 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 JAW WATTHOUR METER SOCKET FOR 3-WIRE SUPPLY OR FOR 2-WIRE SUPPLY TO ANY LOAD WITH OR WITHOUT DEMAND. INSTALL A SEVEN JAW WATTHOUR METER SOCKET FOR 4-WIRE SERVICE

EO-7873-B

DATE 3-28-52
LAST REV. 3-14-96

DWG. NO. MES 395
REV. 17

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

APPROVED BY: JAMES V. FALLON
DATE: _____

CHECKED BY: _____
DATE: _____