

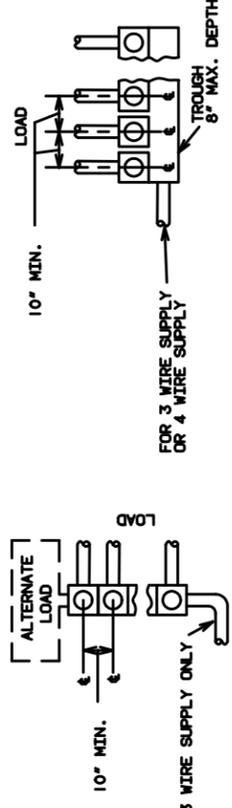
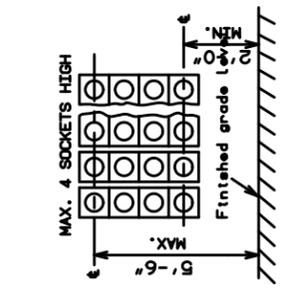
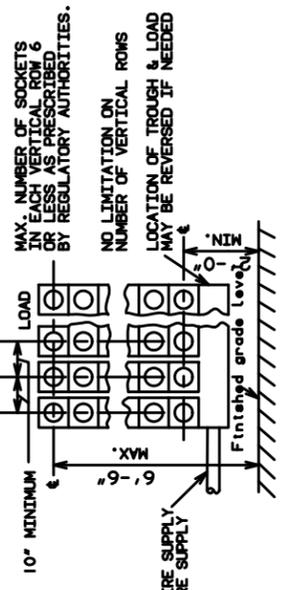
REVISIONS

TLM	02/27/90	12
REDRAWN TO CADAM. W.J.T. 12/16/89 JP		
T.L. WATON	P. PHILIPPOIS 9/8/93	13
REMOVE "MAX. WIRE SIZE 3# 2/0 AWG.", ADD "INCLUDING BUS" AND "REQ'D. IF BELOW FLOOR GRADE V.D. 9/1/93 JP		
V.FERGUSON	3/11/94	14
REMOVED 3'-0" MIN. FROM METER BANK & ADDED NOTE. C.W. 3/11/94		
V.FERGUSON	7/24/03	15
CHANGED MAX. HEIGHT FOR METER SOCKETS. G.D. 7/24/03		
C. MAGOULAS	10/2/09	16
CHANGED DEPARTMENT TO ELECTRIC METER SHOP. G.D. 10/2/09		
A. MILLER		17
REVIEWED DRAWING NO CHANGES MADE ISSUE FOR RECORD N.P. 5/4/16		
A. MILLER		18
REATTACHED SHEET 2 CHANGED LOCATION OF TROUGH FROM FLOOR TO FINISHED GRADE LEVEL A.M. 6/1/20		
A. MILLER		19
CHANGED NOTE 1 TO INCLUDE TABLE II OF THE EBB. COMBINED FILES. R.L. 7/16/24		
A. MILLER		20
ADDED NOTE 16 TO MATCH MES-395 R.L. 5/1/25		

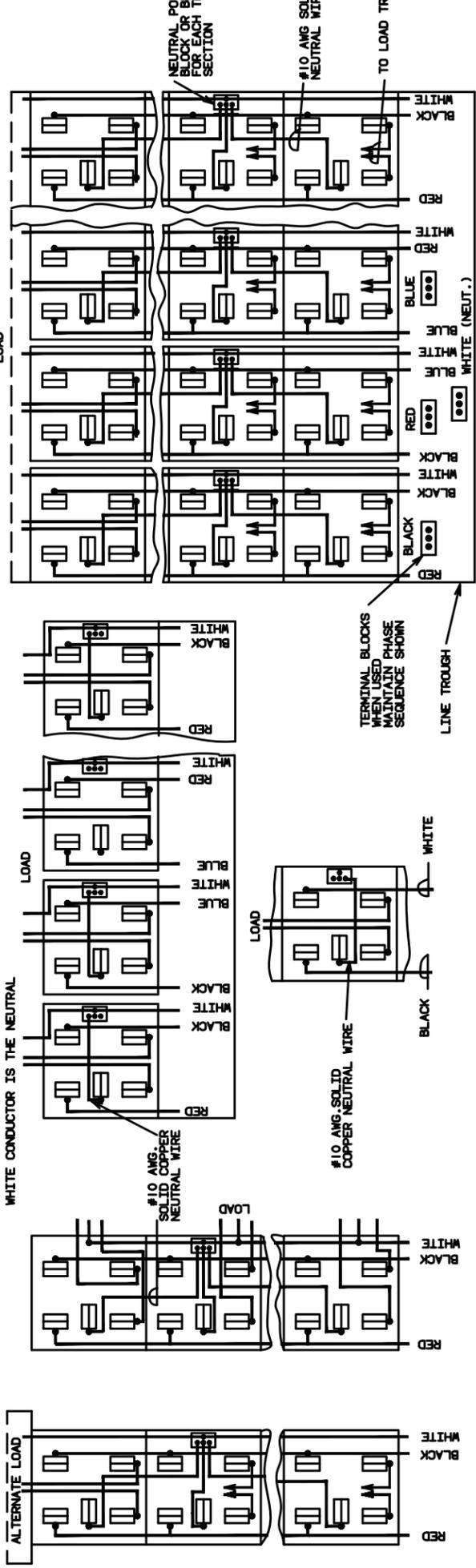
MULTIPLE ROW INSTALLATION

VERTICAL TROUGH TYPE WATTHOUR METER SOCKETS (TABLE IV A AND IV B)

SINGLE ROW INSTALLATION



WIRING DIAGRAMS 120/208 VOLT OR 120/240 VOLT 3 WIRE LOAD



- NOTES:
- ONLY METER SOCKETS LISTED IN TABLES IV-A, B, C, AND D AND TABLE II OF THE BOOKLET "APPROVED ELECTRIC SERVICE EQUIPMENT" ARE TO BE USED.
  - METER SOCKETS LISTED IN TABLE II SHALL ONLY BE USED PROVIDED THE MANUFACTURER MAKES THE INSULATED NEUTRAL KIT, CLARIFIED ON PAGE 69.
  - SOCKETS FOR COMMERCIAL CUSTOMERS SHALL NOT BE EQUIPPED WITH BY-PASS FACILITIES UNLESS AUTHORIZED BY CON EDISON.
  - SOCKETS SHALL BE ON 10" MINIMUM CENTERS BOTH HORIZONTALLY AND VERTICALLY.
  - IF LOAD TROUGH, LINE TROUGH, OR END LINE CABINET EXCEEDS 8" IN DEPTH, IT MUST BE SPACED AWAY FROM THE METER SOCKET ROWS BY AT LEAST 6".
  - METER SOCKETS ARE TO BE SET PLUMB AND LEVEL.
  - FOUR WIRE SERVICE SHALL NOT BE RUN THROUGH A ROW OF METER SOCKETS.
  - BLANK METAL TROUGH COVERS ARE AVAILABLE FOR SOCKET POSITIONS WITHOUT JAWS WHERE THE NUMBER OF SOCKET POSITIONS EXCEEDS THE NUMBER OF METERS TO BE INSTALLED. NO SUCH TROUGH COVER SHALL BE LOCATED AT THE END POSITION OF A SOCKET TROUGH.
  - A BLANK COVER PLATE (TABLE III) MUST BE INSTALLED ON EACH METER SOCKET OR SOCKETS SHALL BE OTHERWISE PROTECTED IN AN EQUIVALENT MANNER.
  - MOUNTING DIMENSIONS AND CLEARANCES FOR METER SOCKETS SHALL BE IN ACCORDANCE WITH CON. EDISON. "ELECTRIC SERVICE RULES".
  - FOR THREE-WIRE LOADS AND THREE ROWS OF SOCKETS, THE CONTRACTOR MUST CONNECT COLOR CODED SERVICE CONDUCTORS TO ALL SOCKET JAWS EXACTLY AS SHOWN. WHEN ADDITIONAL ROWS ARE INSTALLED THE CONDUCTOR CONNECTED TO THE UPPER LEFT SOCKET JAW MUST BE AS FOLLOWS:  
RED WHEN RED AND BLACK PHASE CONDUCTORS ARE USED.  
BLACK WHEN BLACK AND BLUE PHASE CONDUCTORS ARE USED.  
AND BLUE WHEN BLUE AND RED PHASE CONDUCTORS ARE USED.  
THE COMPANY WILL CONNECT THE CONTRACTOR'S COLOR CODED SERVICE CONDUCTOR WITH PHASE SEQUENCE SO THAT BLACK LEADS RED LEADS BLUE LEADS BLACK.
  - WHEN SERVICE IS ALIVE, CORRECTNESS OF CONNECTIONS CAN BE DETERMINED AT THE METER SOCKETS WITH A PHASE SEQUENCE INDICATOR.
  - SEE MES 396 FOR METER SOCKETS ON LINE SIDE OF SERVICE SWITCH.
  - FOR SPACE REQUIREMENTS FOR A BANK OF WATTHOUR METER SOCKETS INSTALLED IN A METER CLOSET-SEE MES 528.
  - 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.

REFERENCE DWG.

WATTHOUR METER SOCKETS (SHEET 2) . . . . .EO-9054-B  
REFERENCE TABLES APPLY TO BOOKLET "APPROVED ELECTRIC SERVICE EQUIPMENT"

WATTHOUR METER SOCKETS ON LOAD SIDE OF SERVICE DISCONNECT.  
(SHEET 1 OF 2)

CONSOLIDATED EDISON COMPANY OF N. Y. INC.  
ELECTRIC METER SHOP

DATE 2/25/59  
LAST REV. 5/1/25

MES 447-A REV.20

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

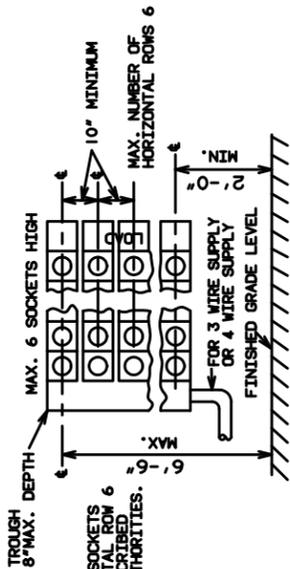
FOR APPROVAL	DIV	SIGNATURE	DATE	DRAWN BY	DATE	CHECKED BY	DATE
		Adam Miller	5/1/25	J.V.	5/30/85		
				TRACED BY	DATE	SCALE	NONE
				APPROVED			
				CHIEF DESIGN ENGINEER	DATE		
				METER ENGINEER	DATE		

EO-9054-B

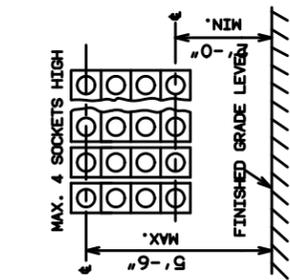
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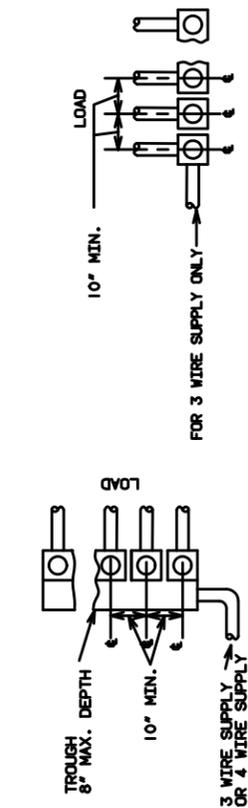
MULTIPLE ROW INSTALLATIONS



HORIZONTAL TROUGH TYPE WATTHOUR METER SOCKETS (TABLE IV C AND IV D)

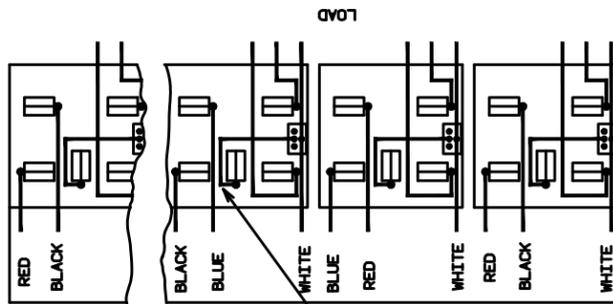
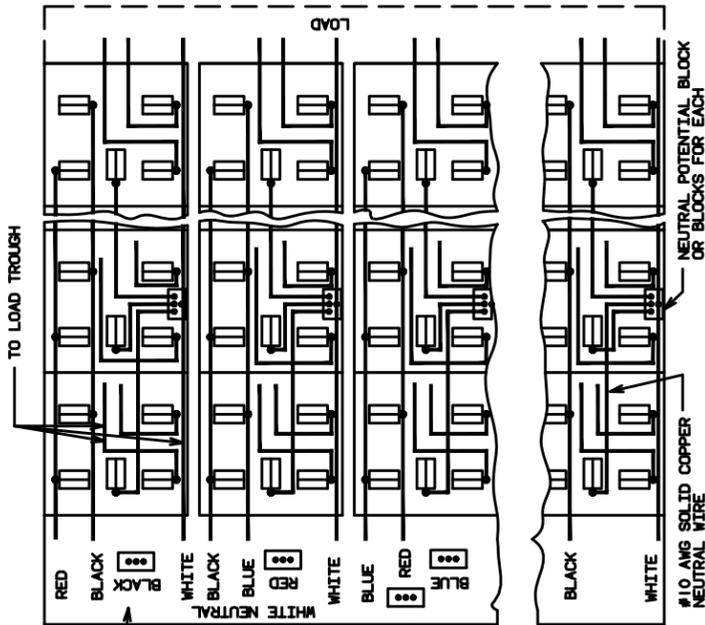


SINGLE ROW INSTALLATIONS



WIRING DIAGRAMS

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



120 VOLT 2 WIRE LOAD



REFERENCE DWG.

WATTHOUR METER SOCKETS (SHEET 1) . . . . .EO-9053-B  
FOR ADDITIONAL NOTES AND INFORMATION, . . . . . SEE SHEET 1  
REFERENCE TABLES APPLY TO BOOKLET "APPROVED ELECTRIC SERVICE EQUIPMENT"

WATTHOUR METER SOCKETS ON LOAD  
SIDE OF SERVICE DISCONNECT.  
(SHEET 2 OF 2)

CONSOLIDATED EDISON COMPANY OF N. Y. INC.  
ELECTRIC METER SHOP

DATE 2/25/59

LAST REV. 5/1/25

MES 447-A REV.20

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				METER ENGINEER DATE			