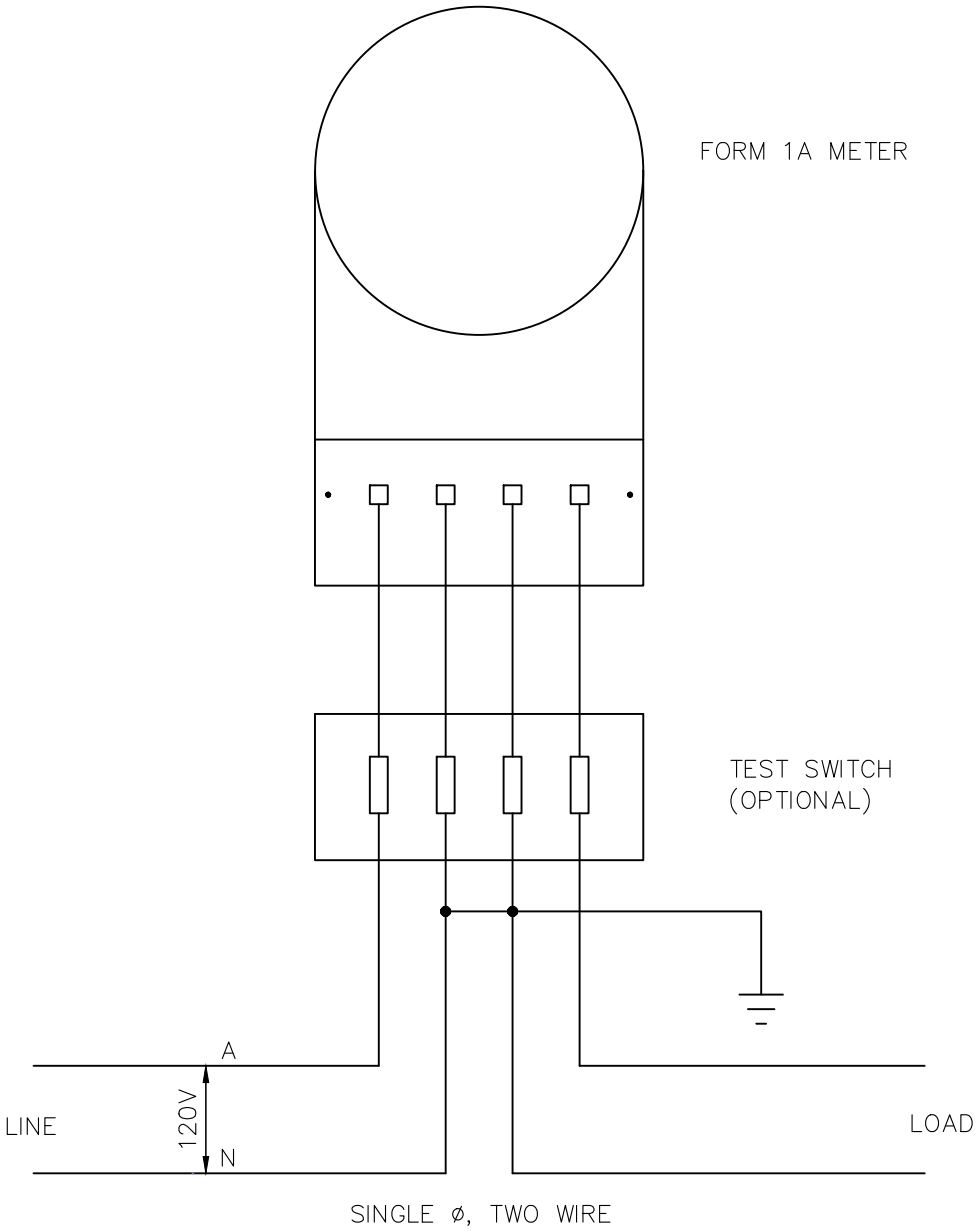
INDEX - METERING

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
METERING	
DATE: 05/14/15	DWG. NO.:
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

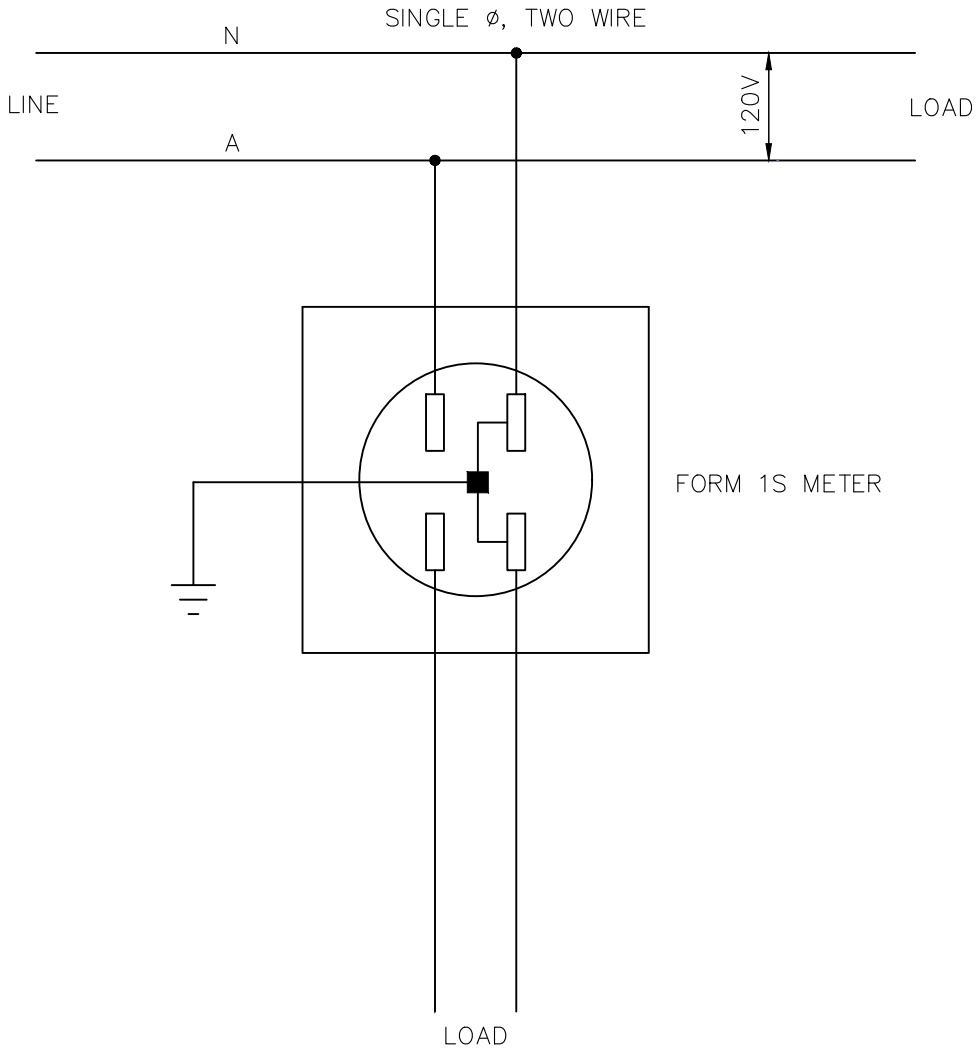


SINGLE ø, TWO WIRE

NOTES

1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

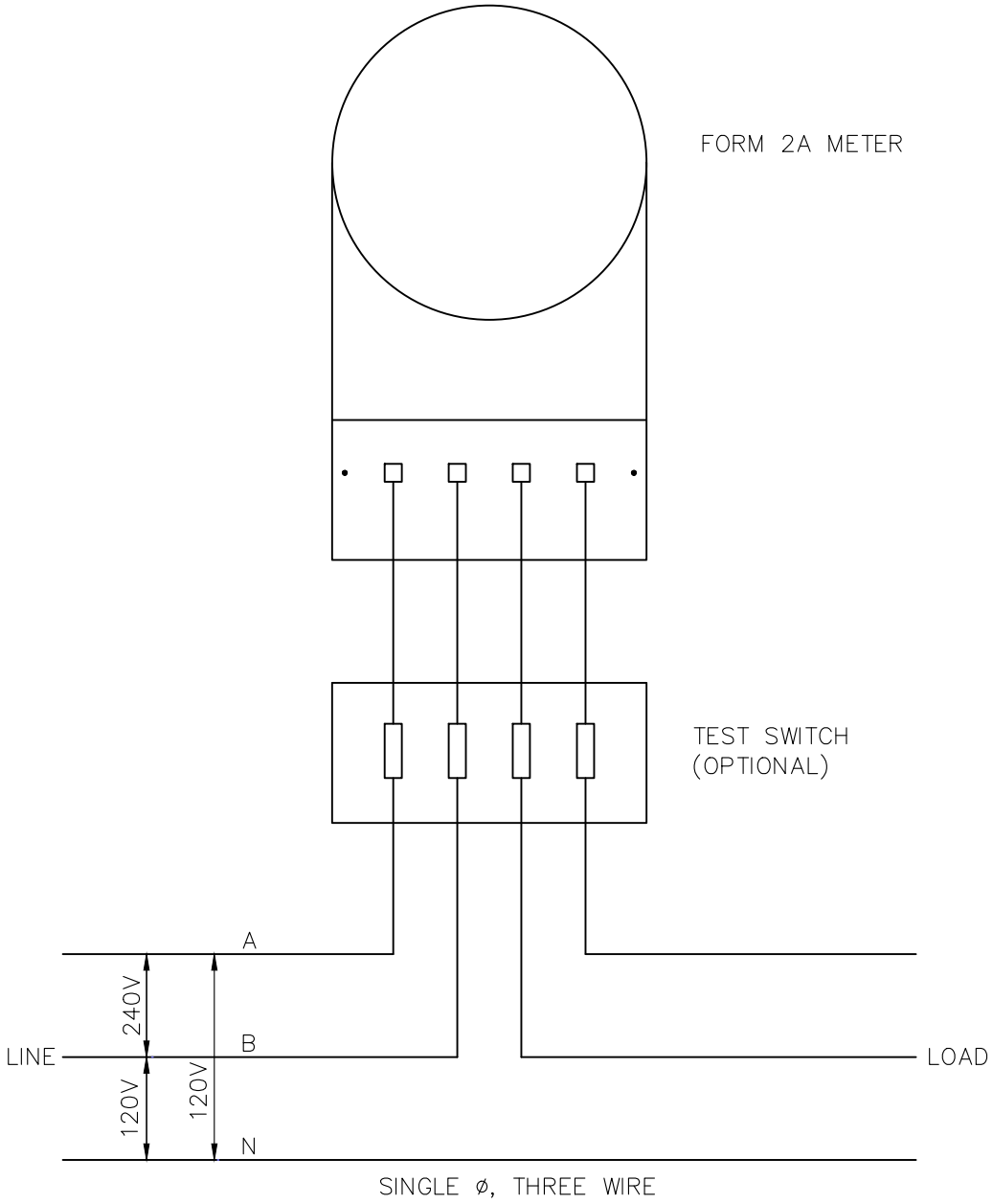
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED BOTTOM CONNECTED SINGLE Ø, TWO WIRE, 120V	
DATE: 03/11/98	DWG. NO.: 230101
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. SELF–CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM SELF-CONTAINED SOCKET TYPE, SINGLE Ø, TWO WIRE, 120V	
DATE: 03/11/98	DWG. NO.: 230201
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

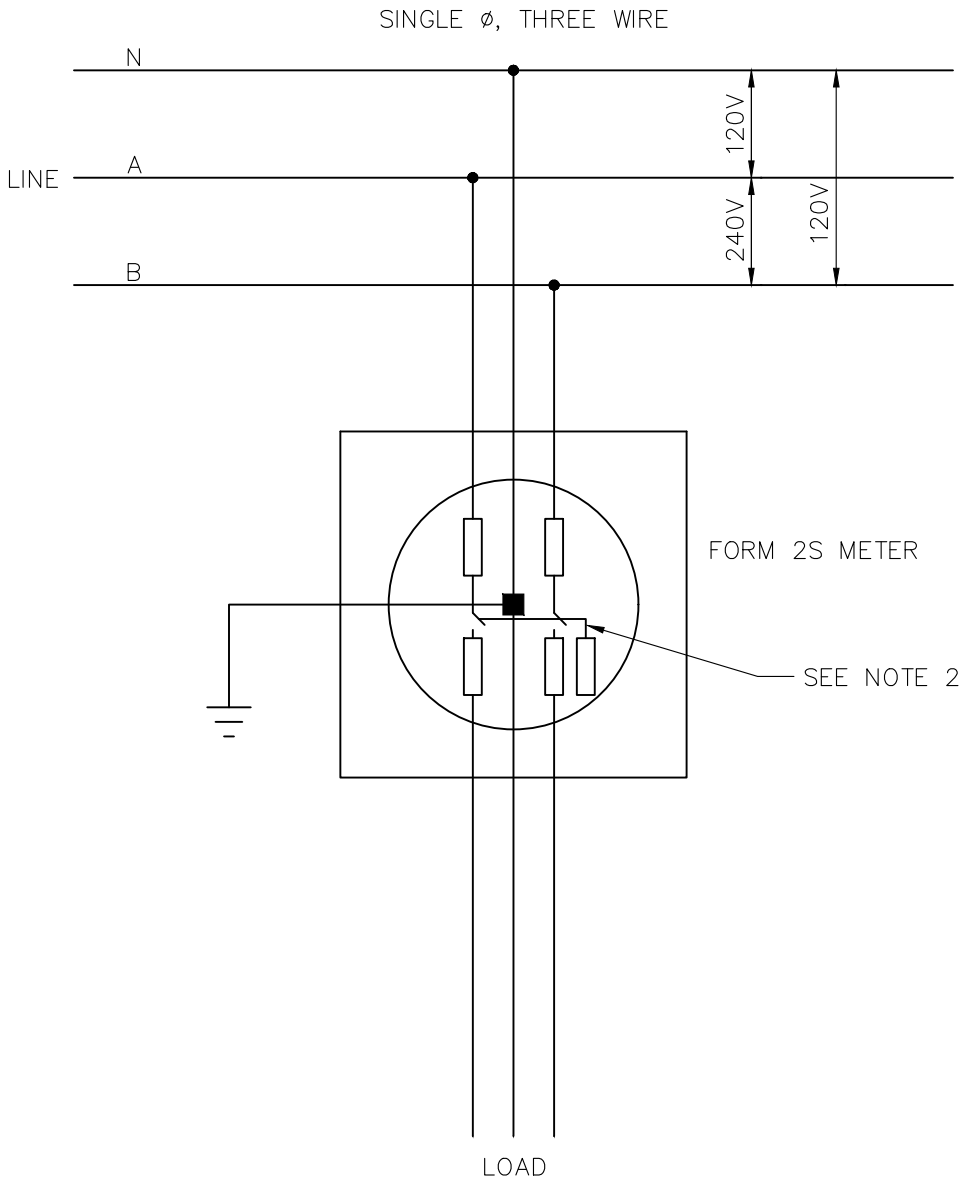


SINGLE ø, THREE WIRE

NOTES

1. SELF–CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED BOTTOM CONNECTED, SINGLE Ø THREE WIRE, 120/240V	
DATE: 03/11/98	DWG. NO.: 230301
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

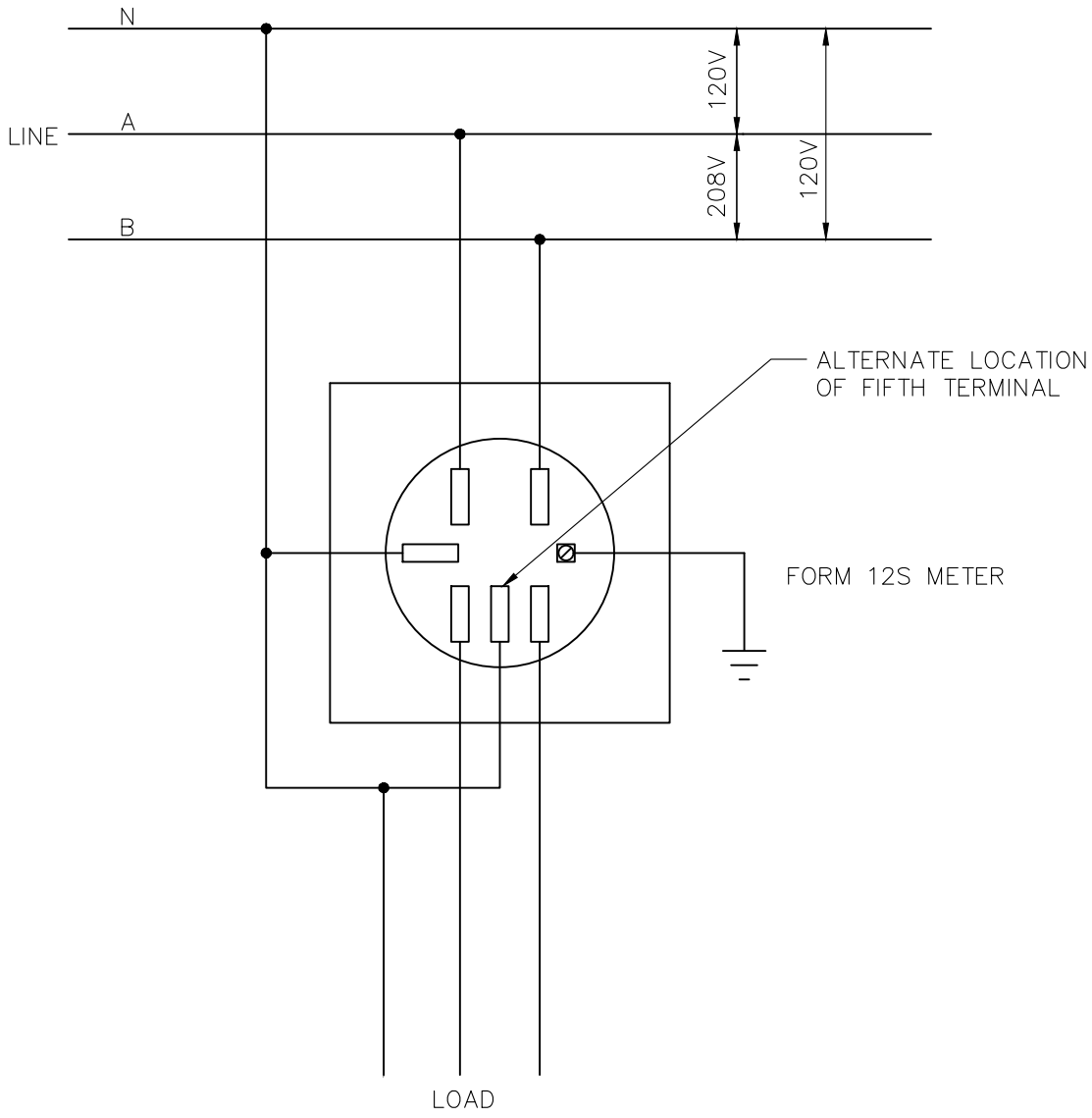


NOTES

1. SELF–CONTAINED METERING IS FOR APPLICATIONS OF UP TO 400A ONLY.
2. SELF–CONTAINED METERING EXCEEDING 200A REQUIRES A MANUAL BYPASS PER BED STANDARD 2003.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED SOCKET TYPE, SINGLE Ø THREE WIRE, 120/240V	
DATE: 05/22/23	DWG. NO.: 230401
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

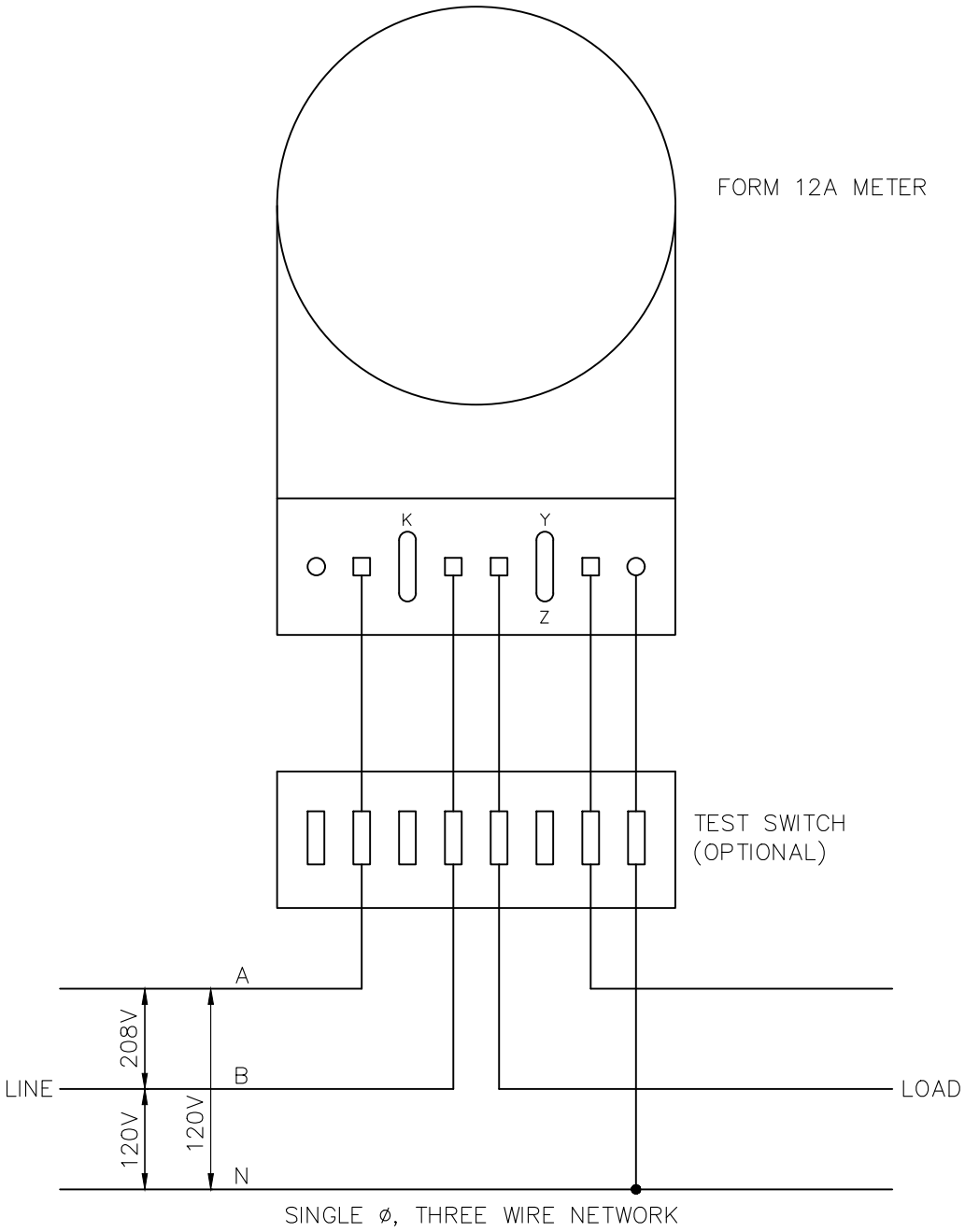
SINGLE ø, THREE WIRE NETWORK



NOTES

1. SELF–CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

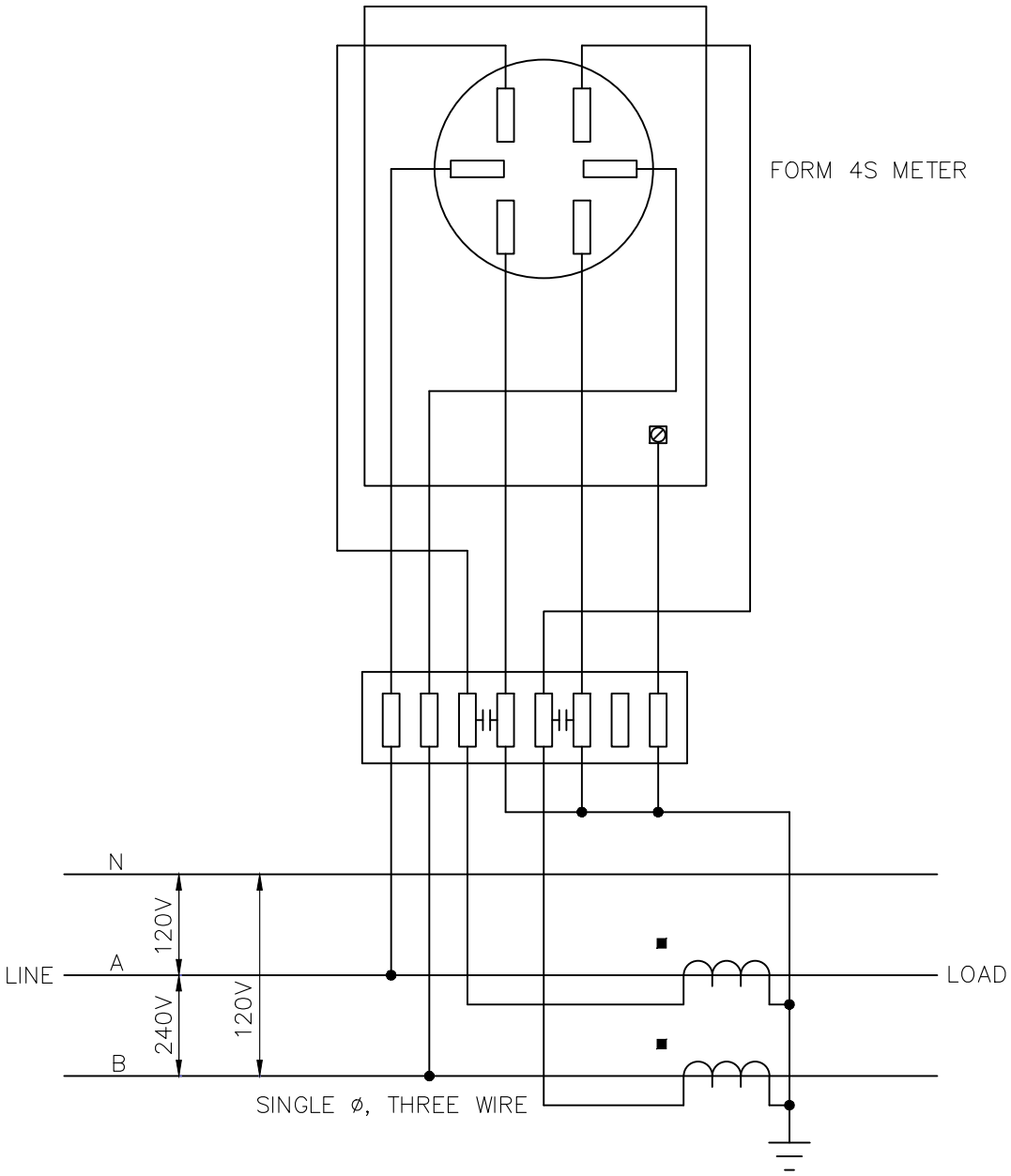
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED SOCKET TYPE, SINGLE Ø, THREE WIRE NETWORK, 120/208V	
DATE: 03/11/98	DWG. NO.: 230501
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED BOTTOM CONNECTED, SINGLE Ø THREE WIRE NETWORK, 120/208V	
DATE: 03/11/98	DWG. NO.: 230601
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

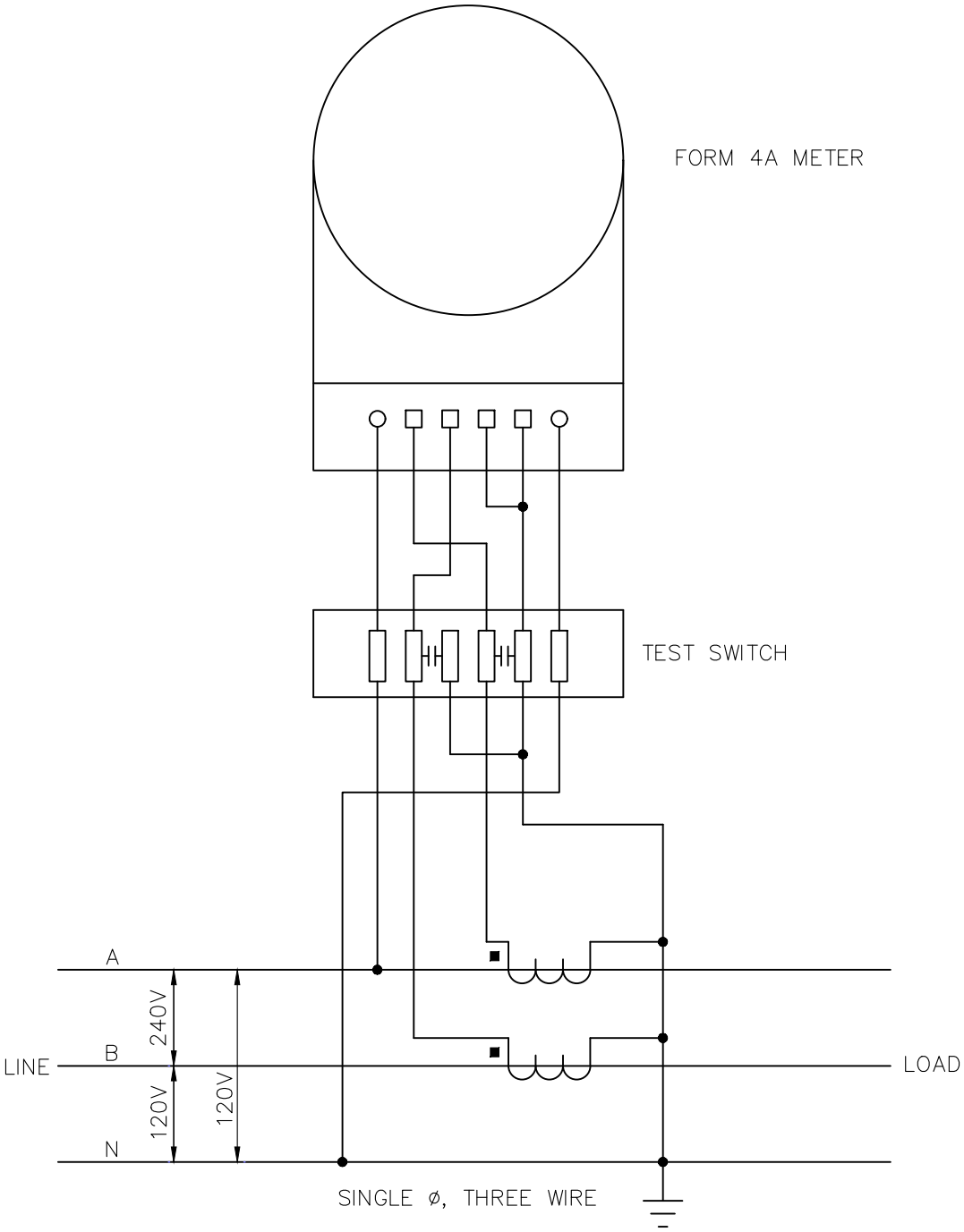


NOTES

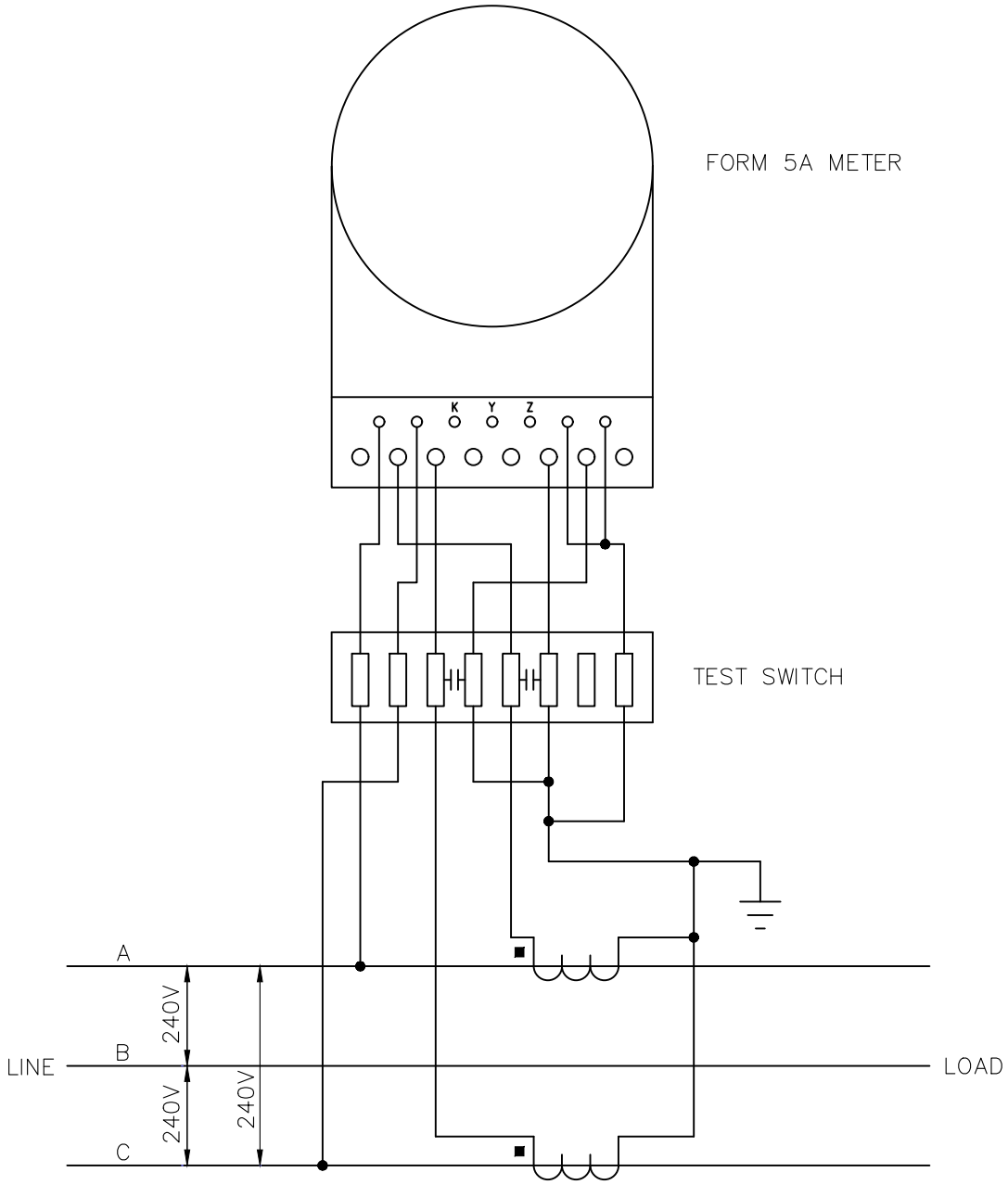
1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, SINGLE Ø, THREE WIRE, 120/240V	
DATE: 03/16/98	DWG. NO.: 230701
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

2308

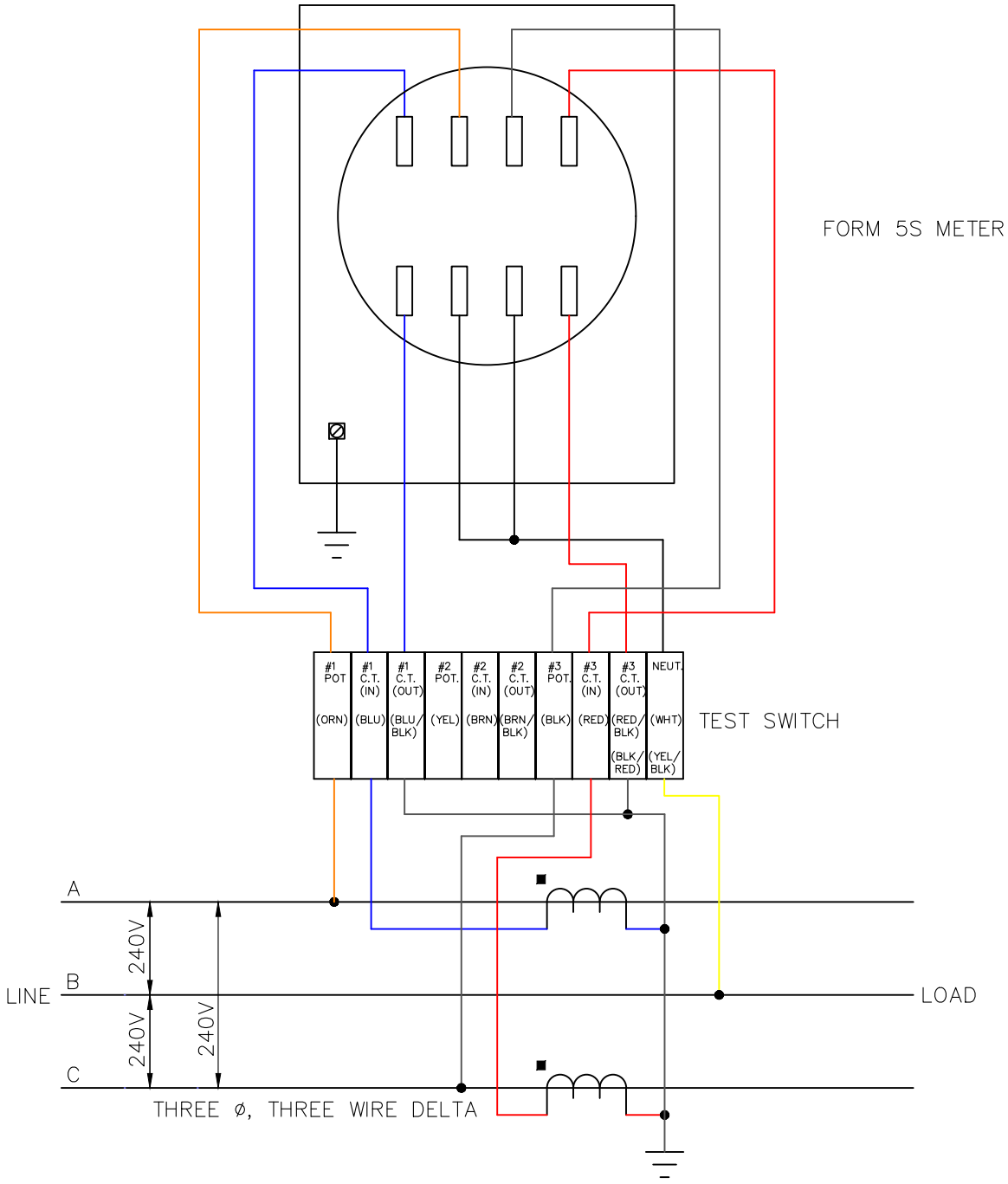


BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, SINGLE Ø, THREE WIRE NETWORK, 120/240V	
DATE: 03/11/98	DWG. NO.: 230801
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



THREE ø, THREE WIRE

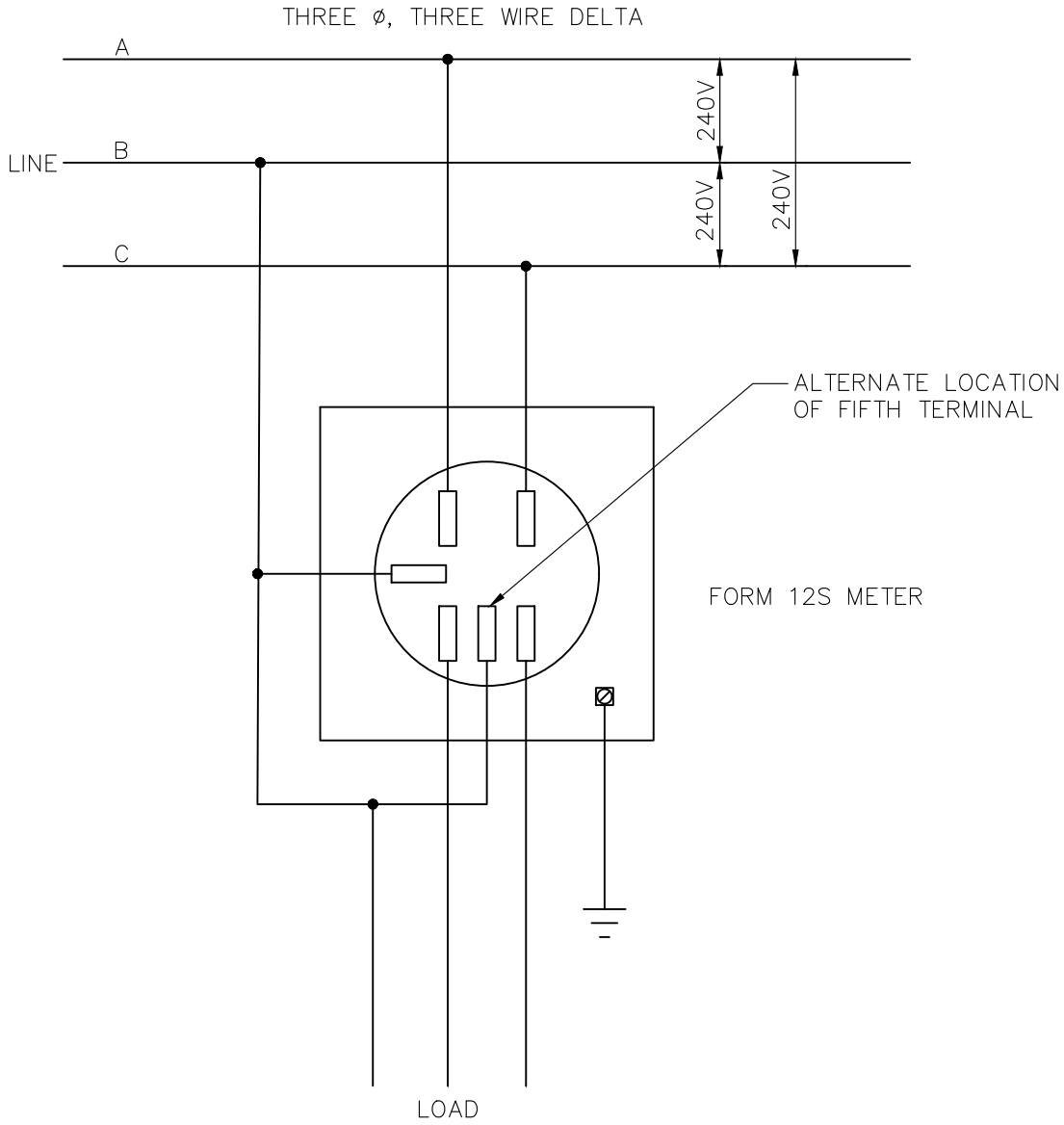
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, THREE Ø,THREE WIRE DELTA, 240V	
DATE: 03/16/98	DWG. NO.: 230901
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

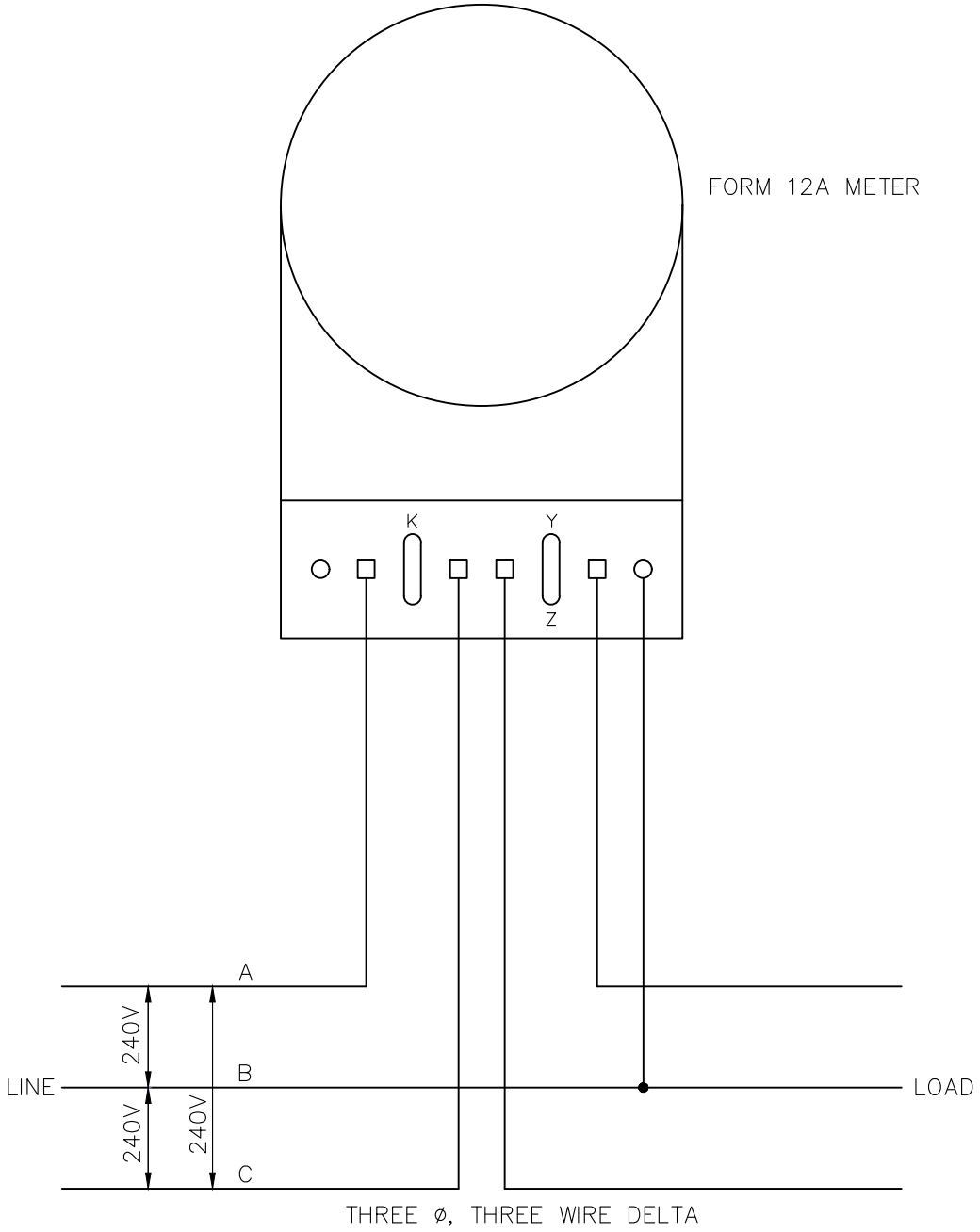
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, THREE Ø, THREE WIRE DELTA, 240V	
DATE: 06/23/98	DWG. NO.: 231001
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

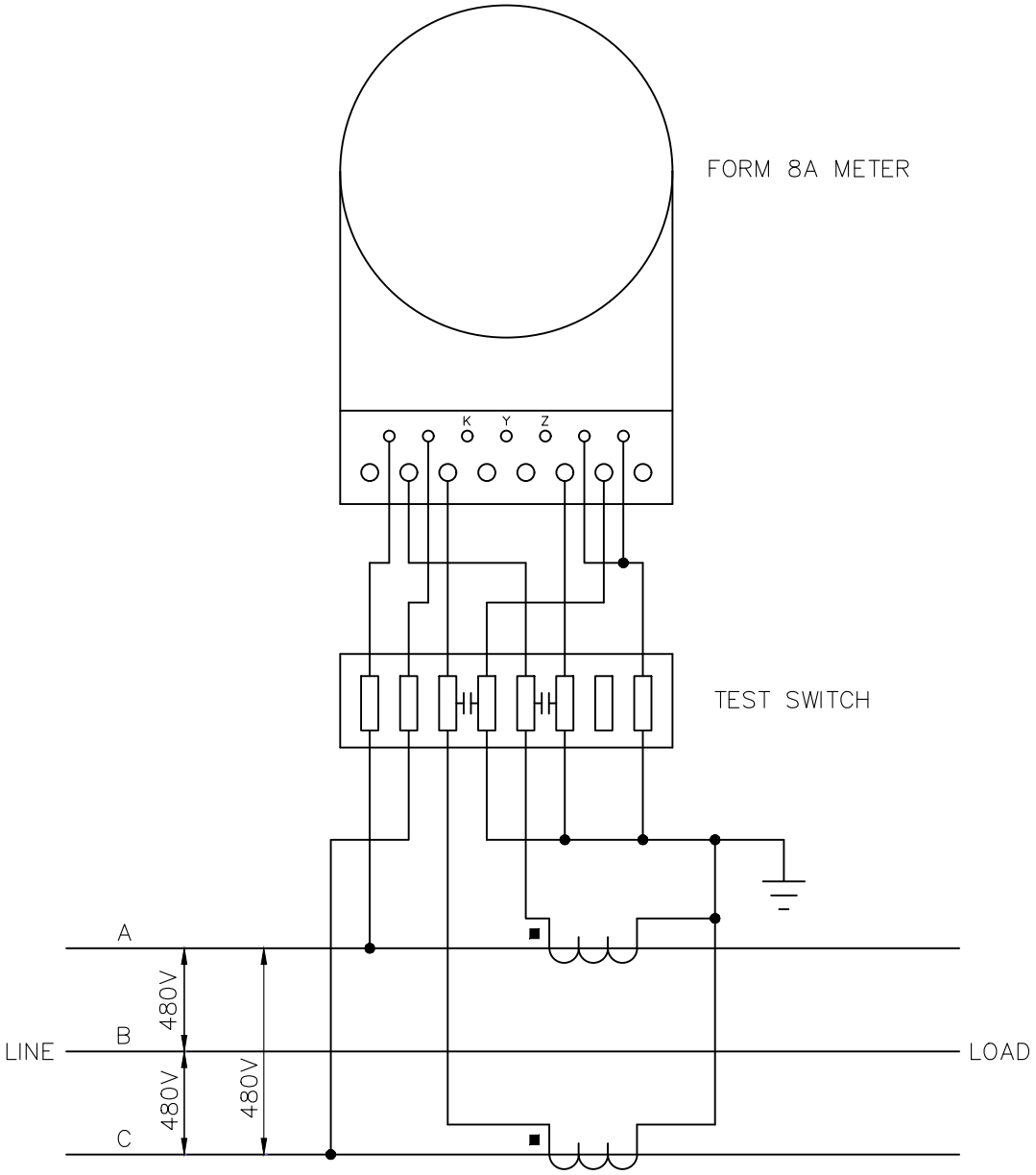
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED SOCKET TYPE, THREE Ø, THREE WIRE DELTA, 240V	
DATE: 03/11/98	DWG. NO.: 231101
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

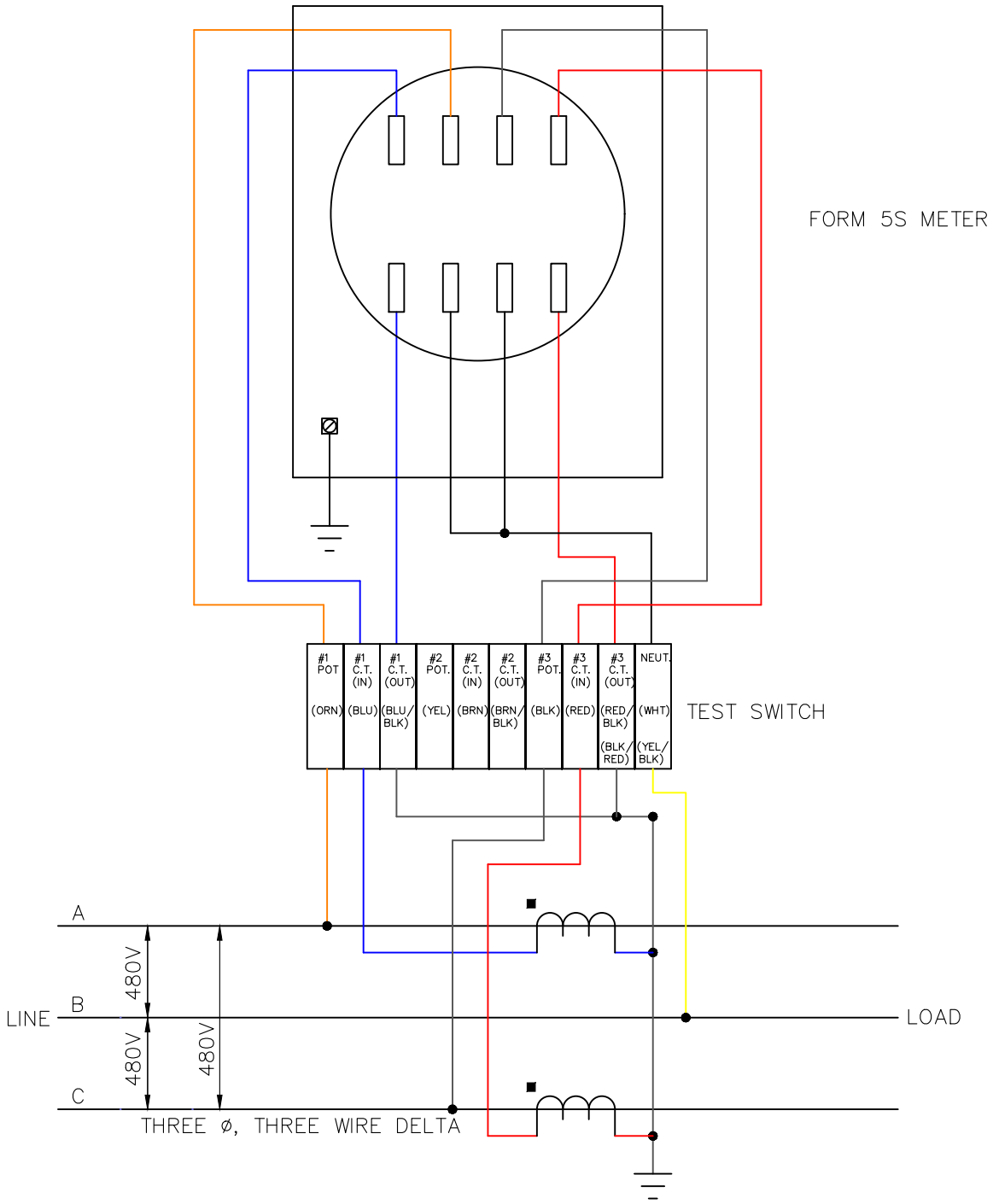
1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED BOTTOM CONNECTED, THREE Ø, THREE WIRE DELTA, 240V	
DATE: 03/11/98	DWG. NO.: 231201
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



THREE ø, THREE WIRE

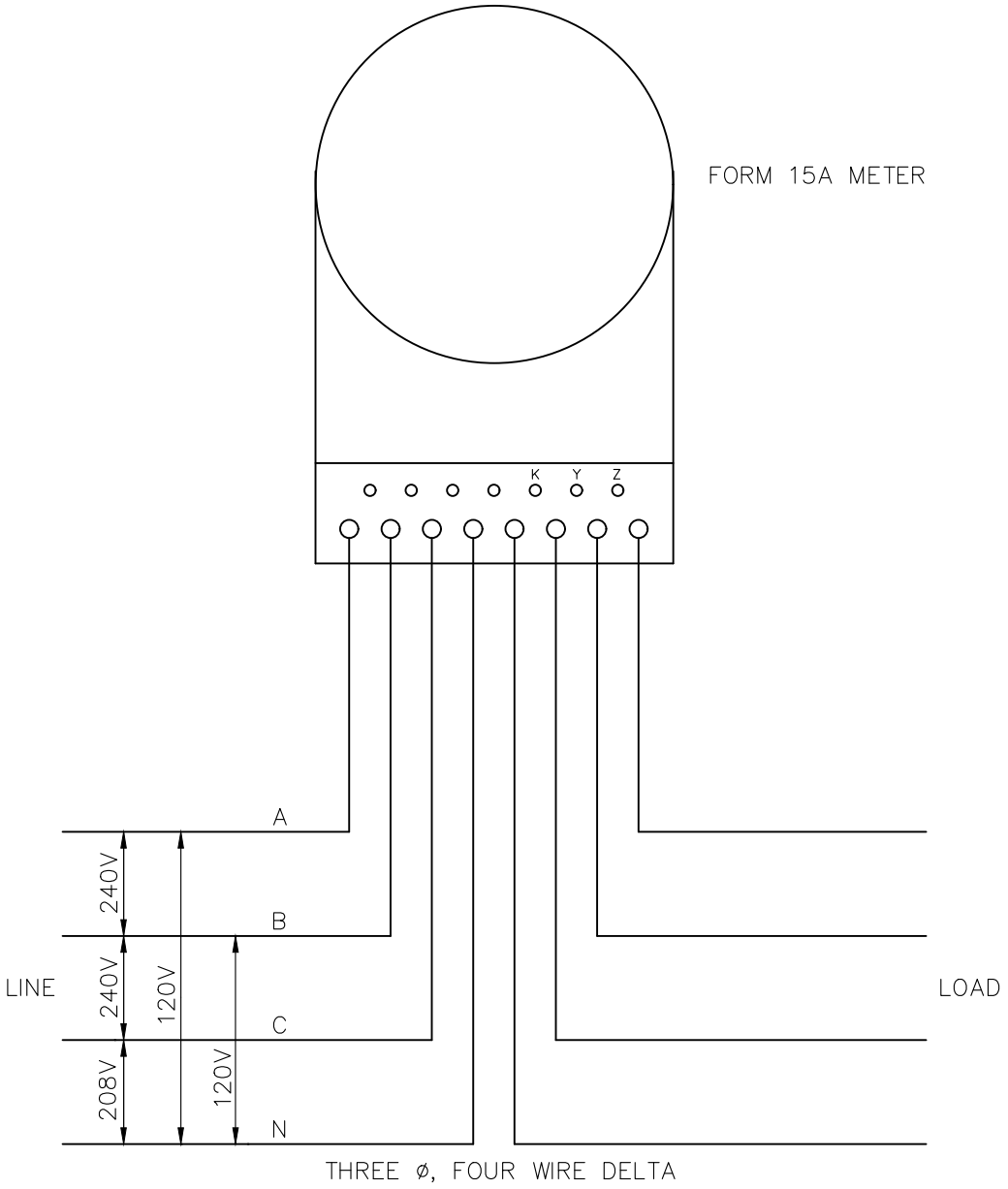
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, THREE Ø, THREE WIRE DELTA, 480V	
DATE: 03/16/98	DWG. NO.: 231301
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

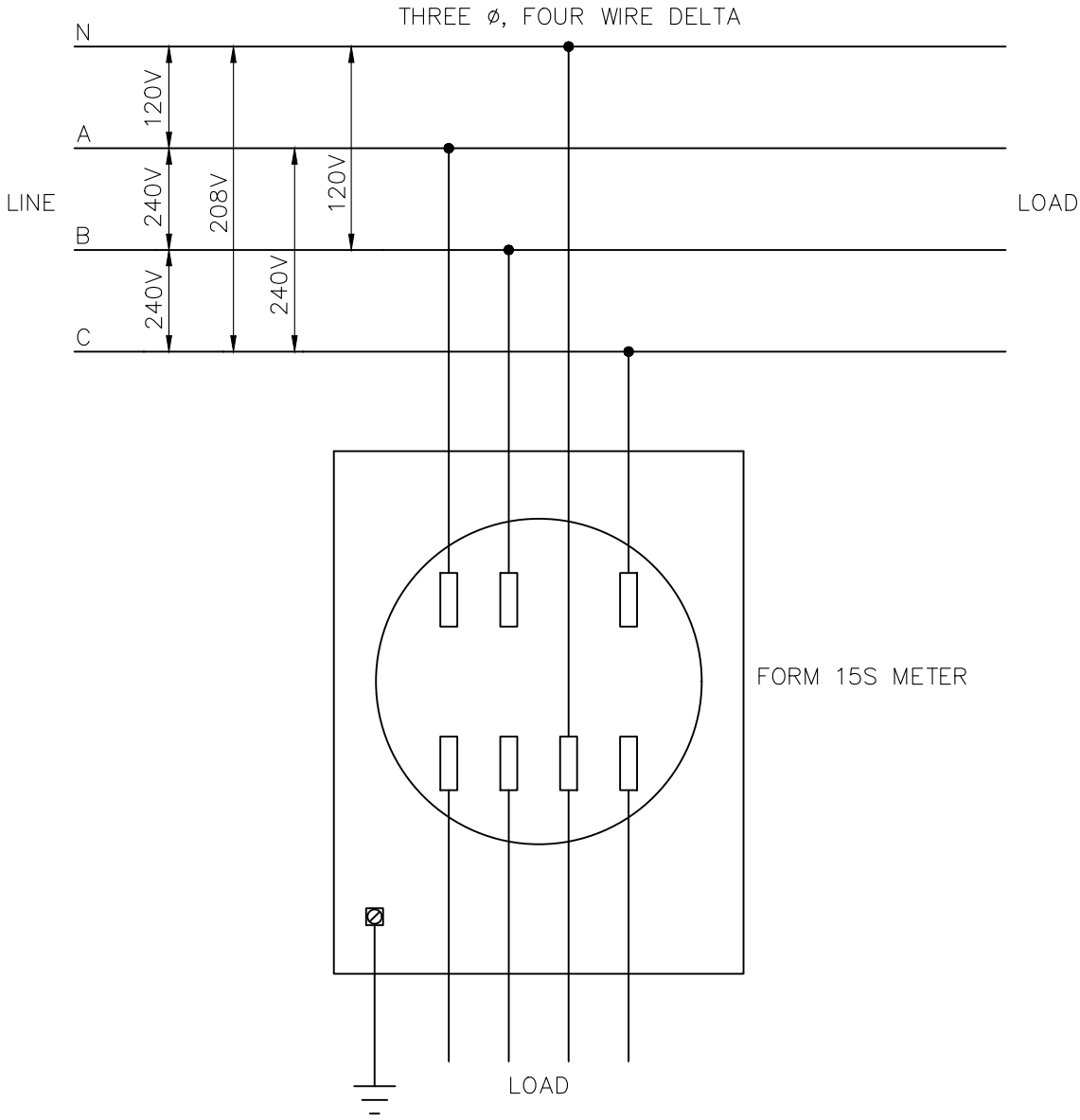
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, THREE Ø, THREE WIRE DELTA, 480V	
DATE: 06/23/98	DWG. NO.: 231401
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

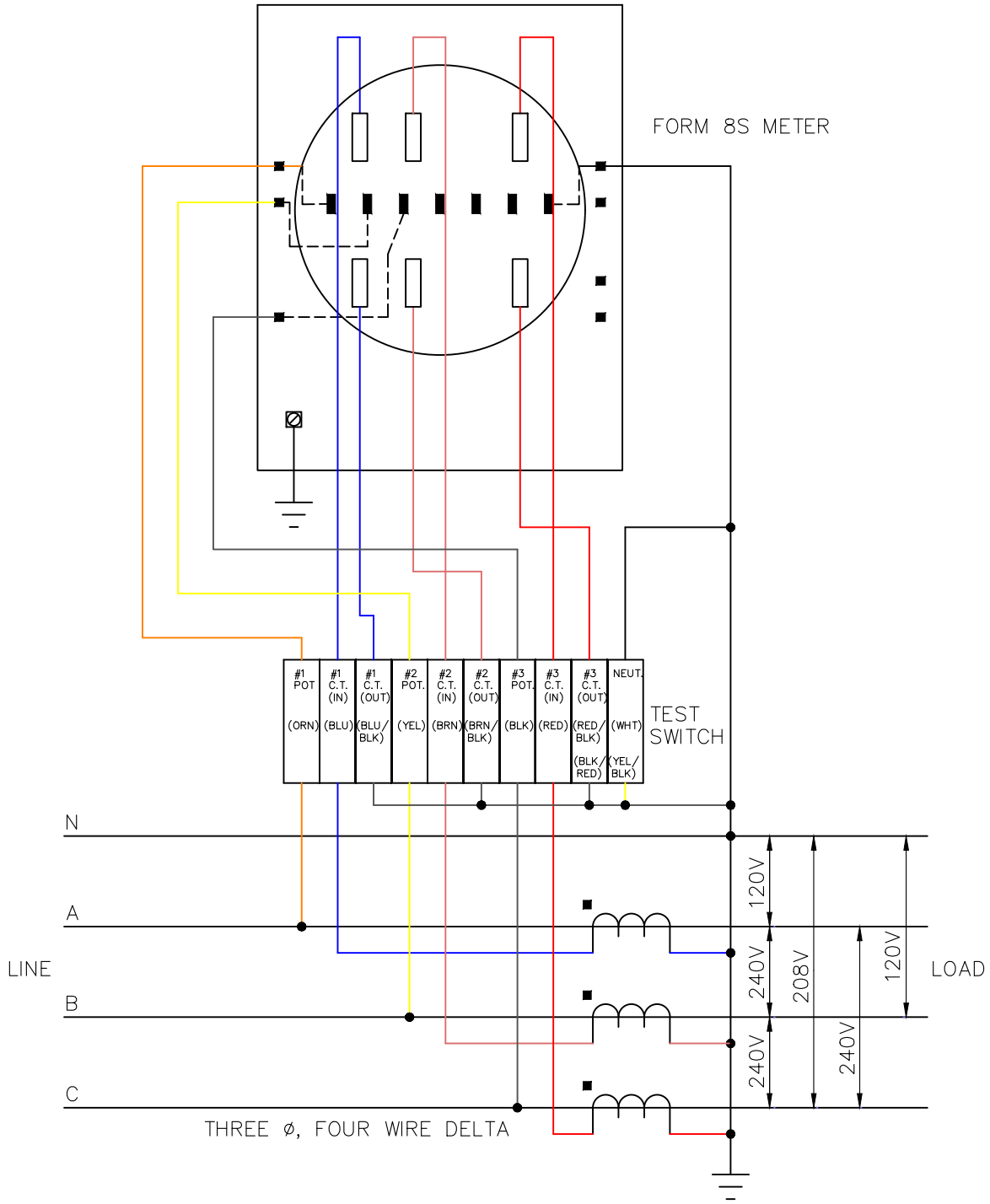
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED BOTTOM CONNECTED, THREE Ø, FOUR WIRE DELTA, 120/240V	
DATE: 03/11/98	DWG. NO.: 231501
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

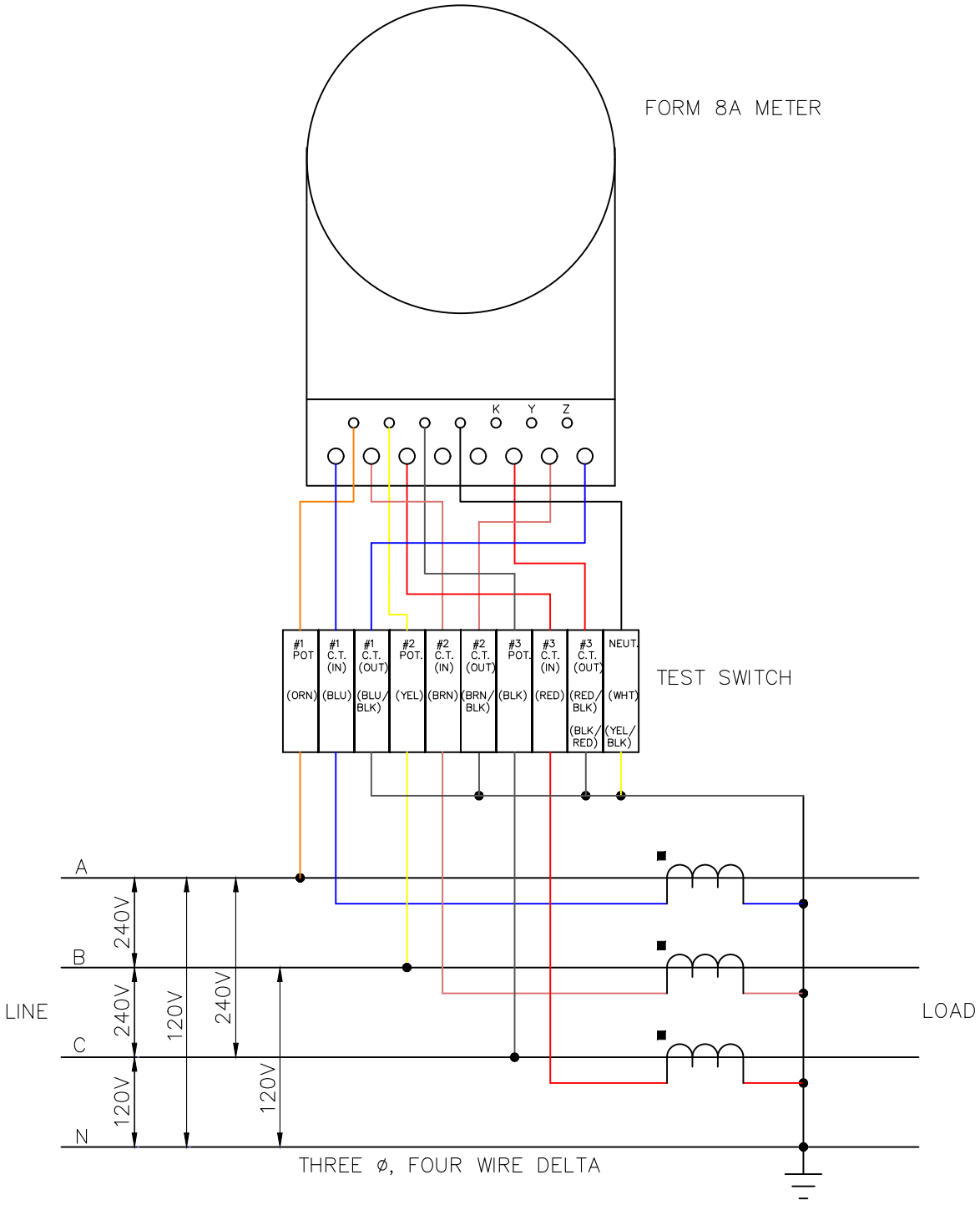
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED SOCKET TYPE, THREE Ø, FOUR WIRE DELTA, 120/240V	
DATE: 03/16/98	DWG. NO.: 231601
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



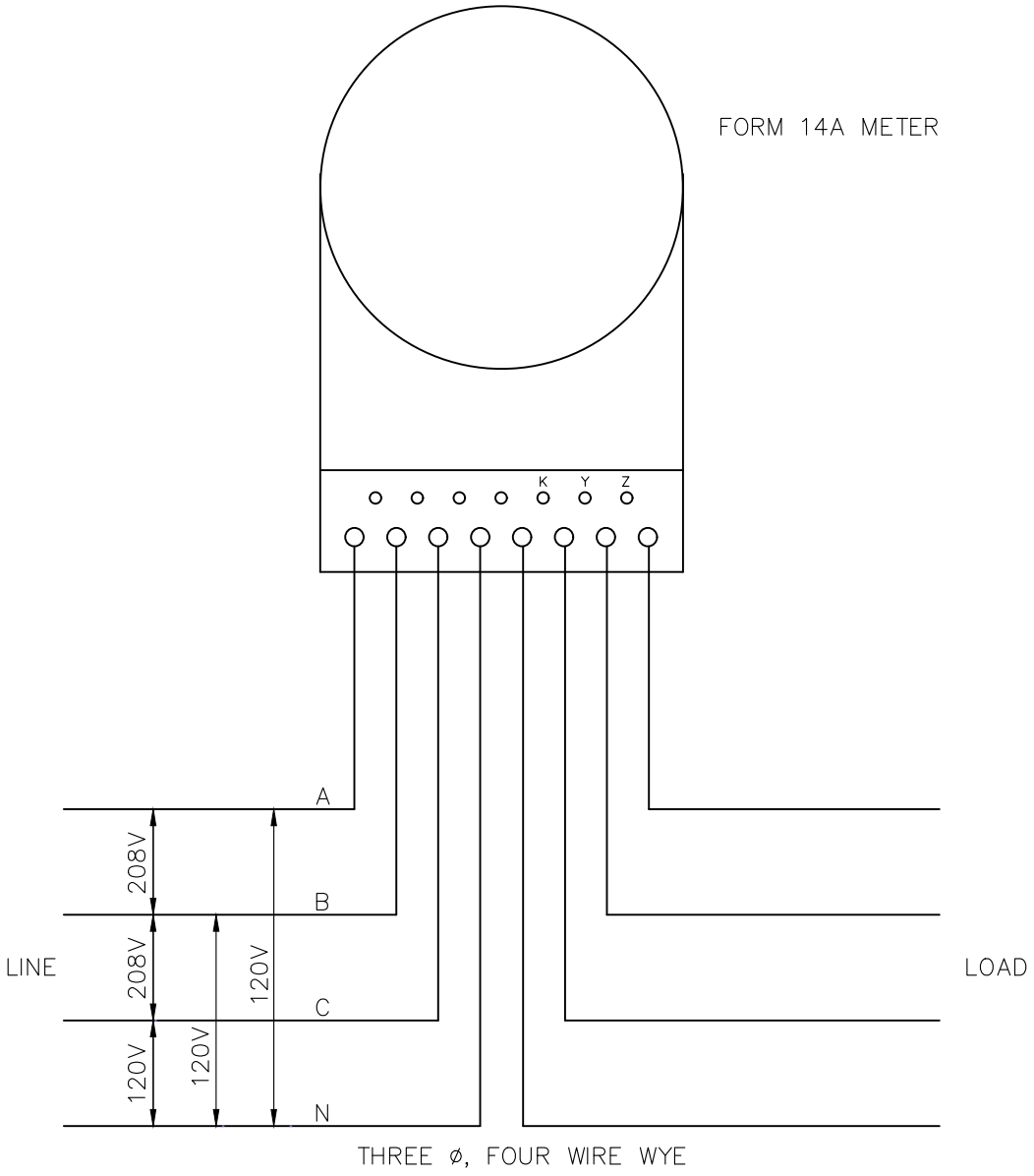
NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, THREE Ø, FOUR WIRE DELTA, 120/240V	
DATE: 06/23/98	DWG. NO.: 231701
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



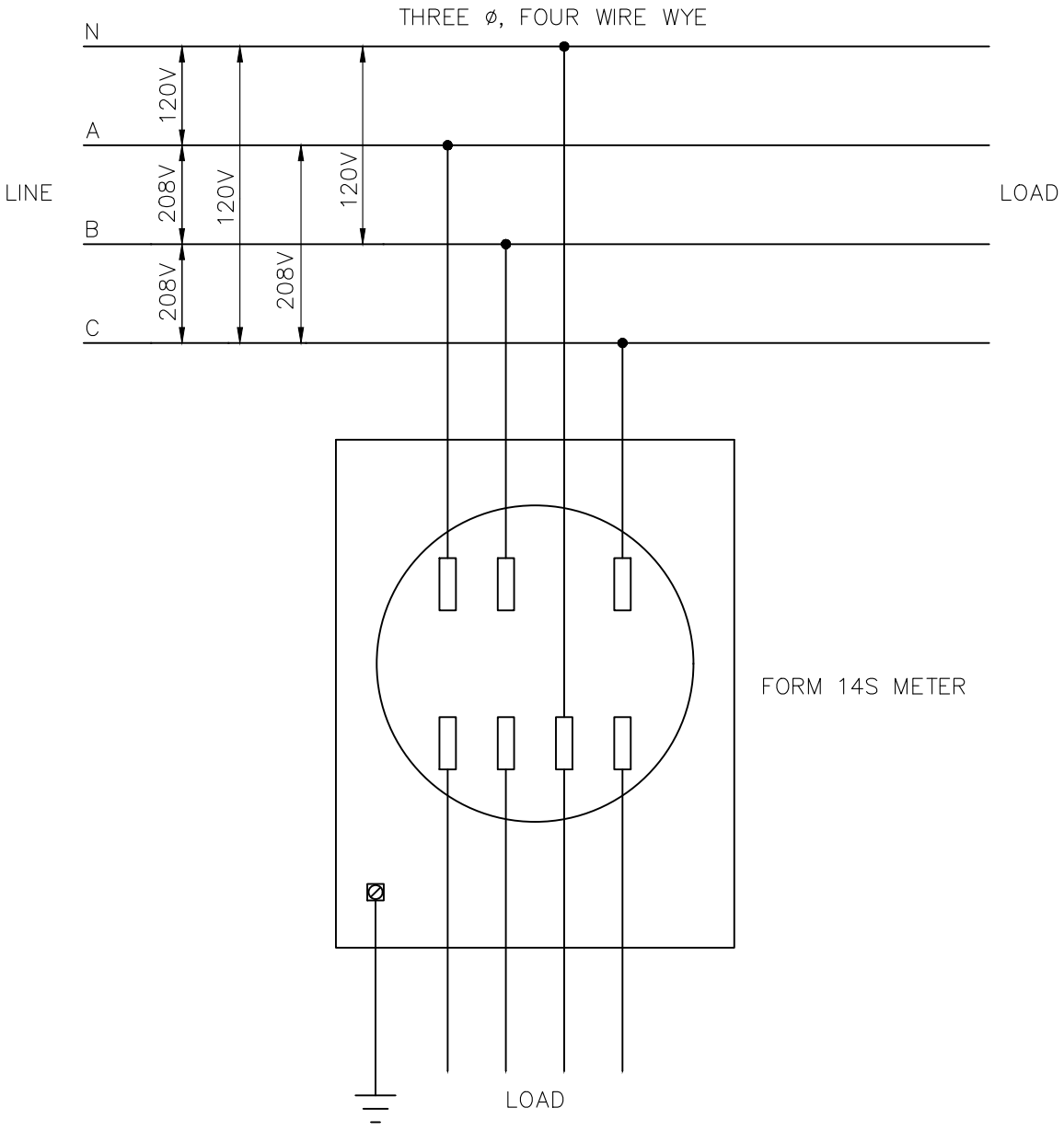
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED THREE Ø FOUR WIRE DELTA, 120/240V	
DATE: 06/23/98	DWG. NO.: 231801
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED BOTTOM CONNECTED, THREE Ø, FOUR WIRE WYE, 120/208V	
DATE: 03/16/98	DWG. NO.: 231901
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

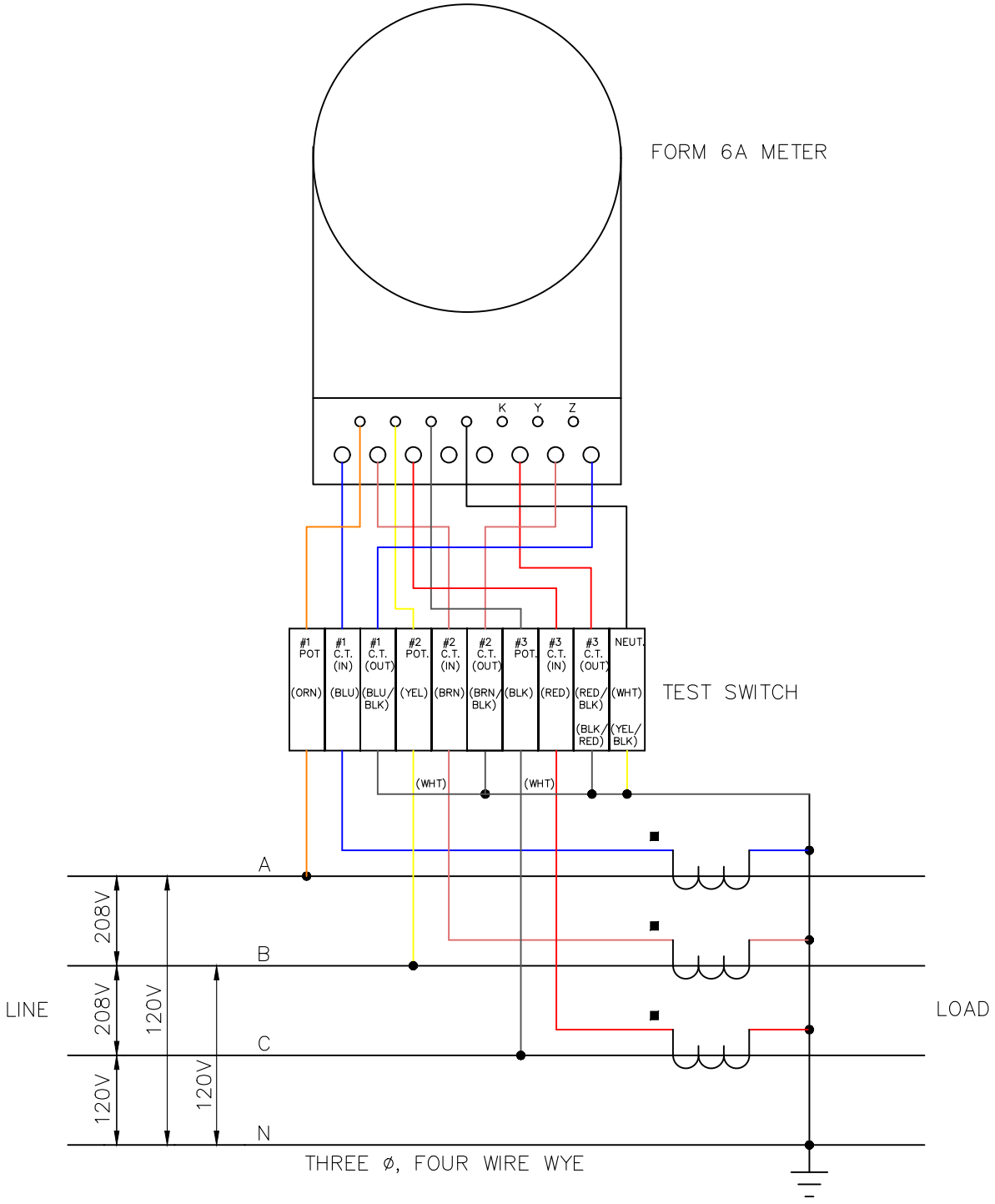


NOTES

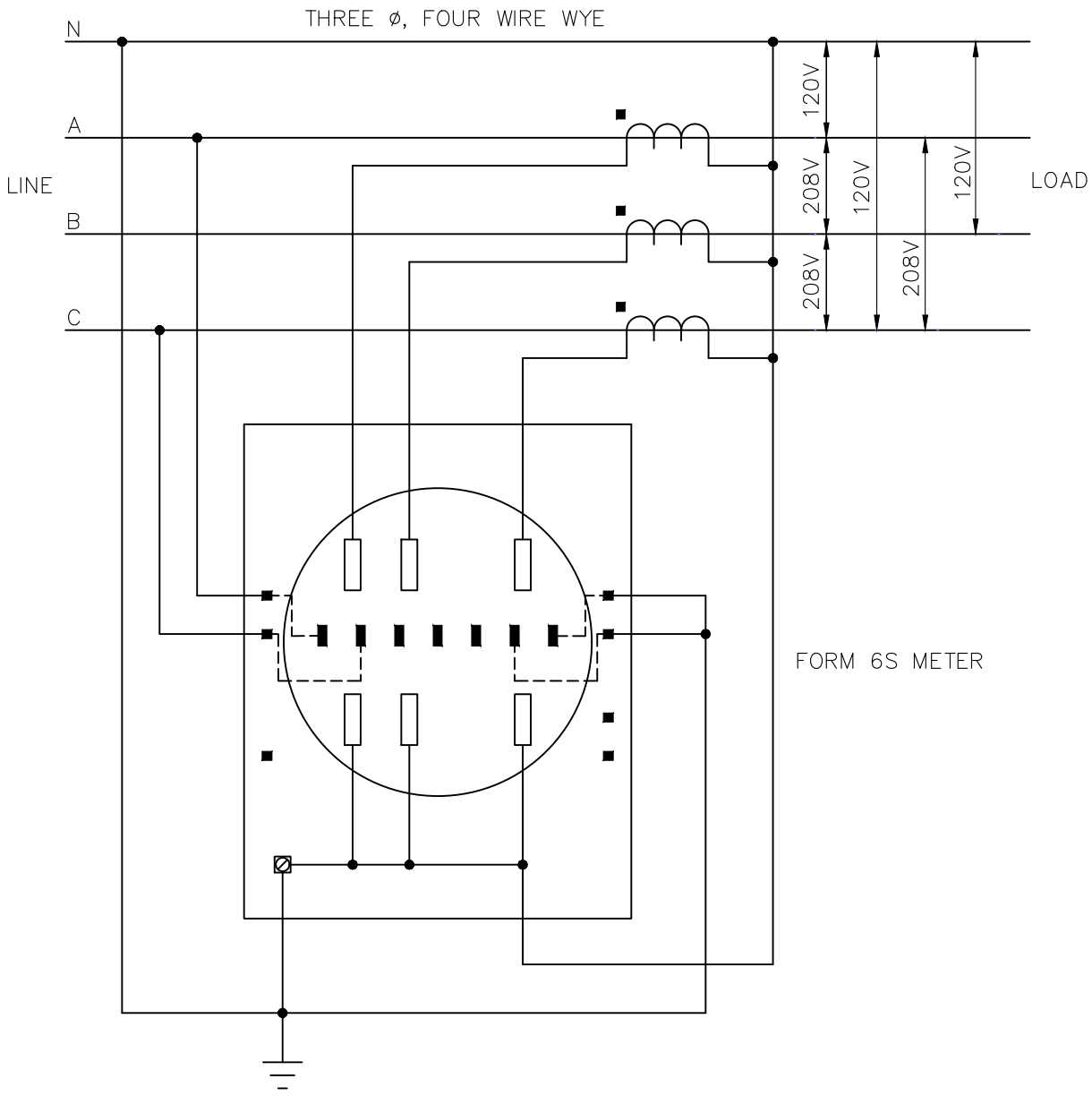
1. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, SELF-CONTAINED SOCKET TYPE, THREE Ø, FOUR WIRE WYE, 120/208V	
DATE: 06/22/98	DWG. NO.: 232001
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

2321



BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, THREE Ø,FOUR WIRE WYE, 120/208V	
DATE: 03/16/98	DWG. NO.: 232101
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

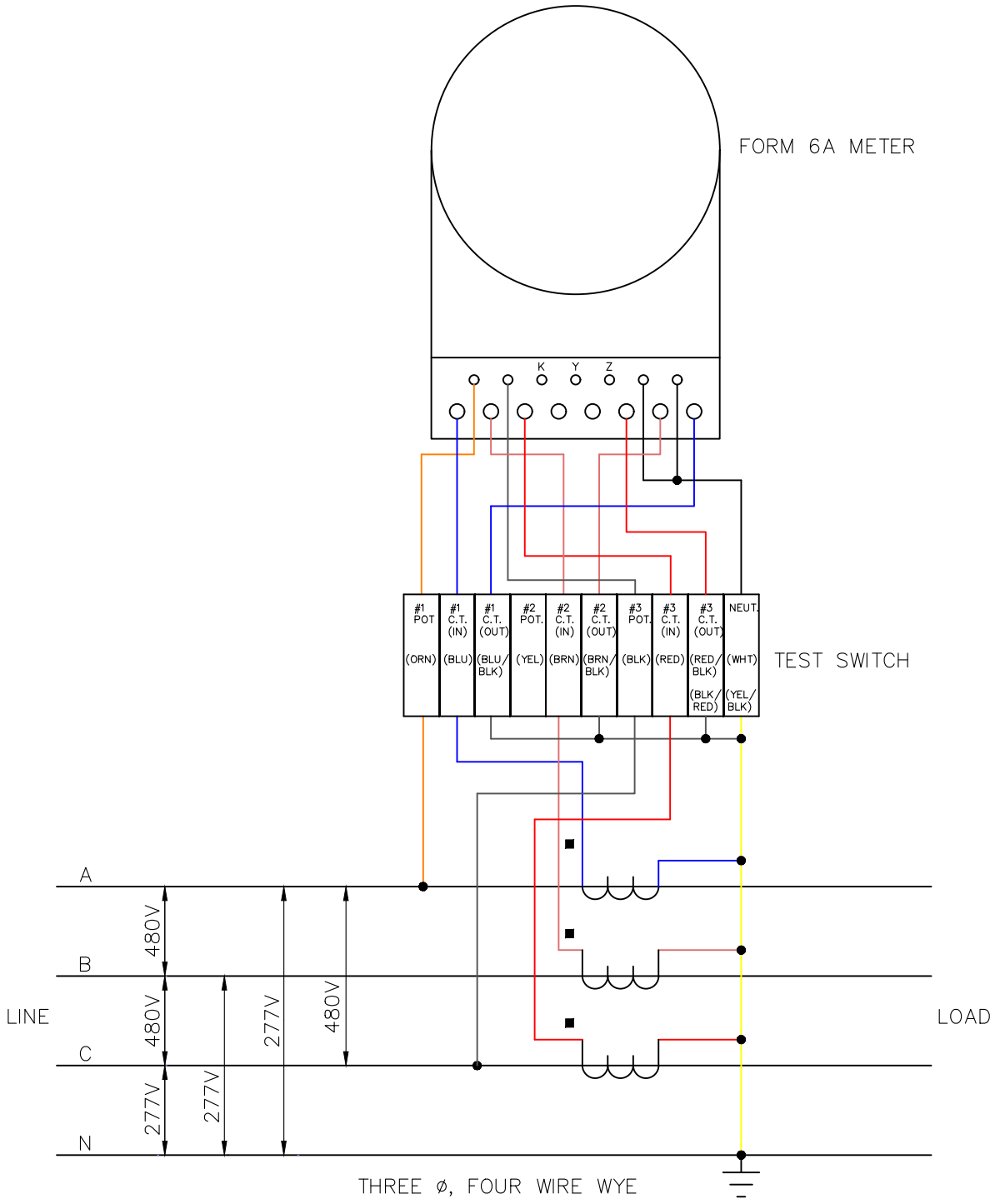


NOTES

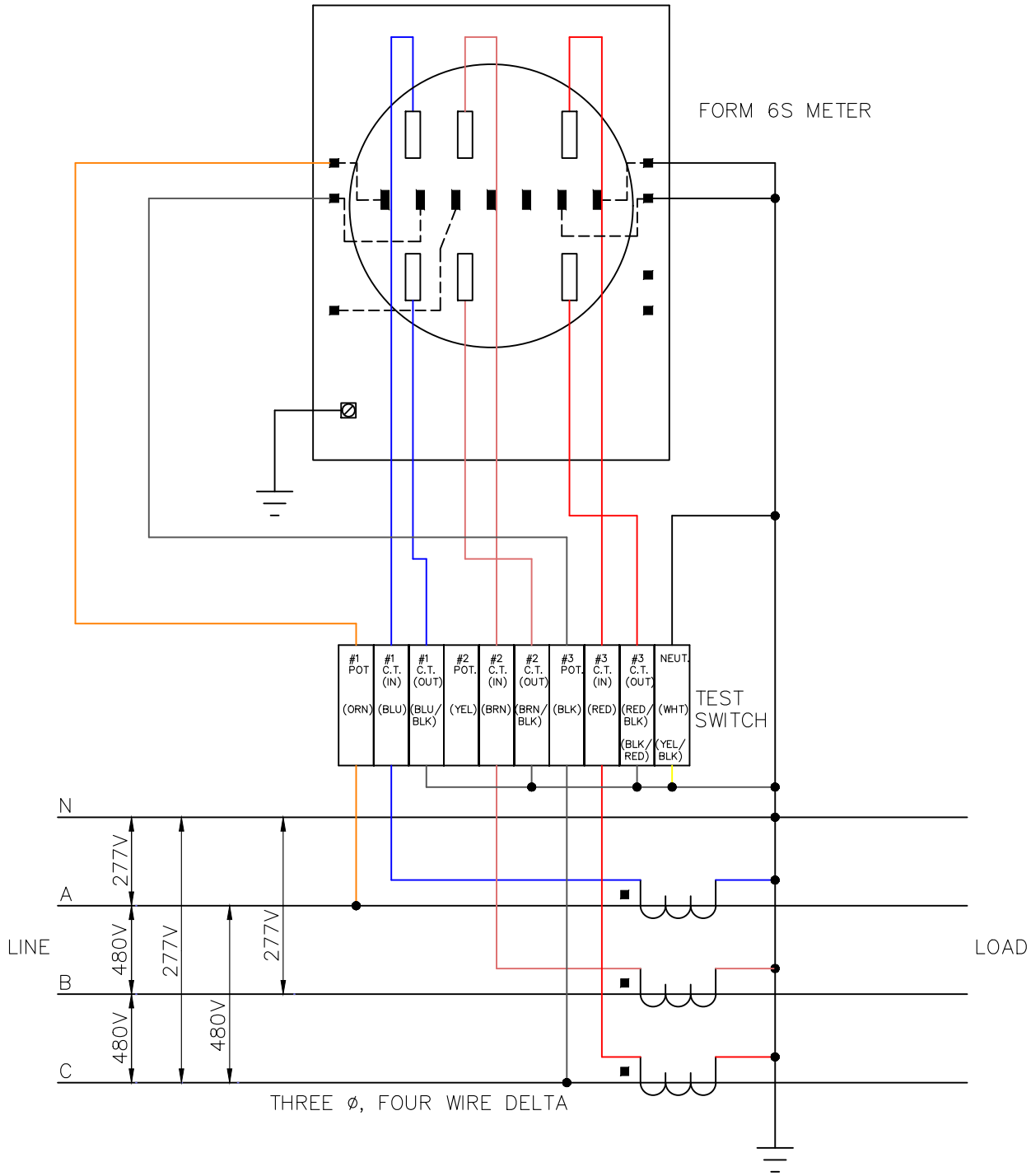
1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.
2. SELF-CONTAINED METERING IS FOR APPLICATIONS OF UP TO 200A ONLY.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, THREE Ø, FOUR WIRE WYE, 120/208V	
DATE: 03/16/98	DWG. NO.: 232201
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

2323



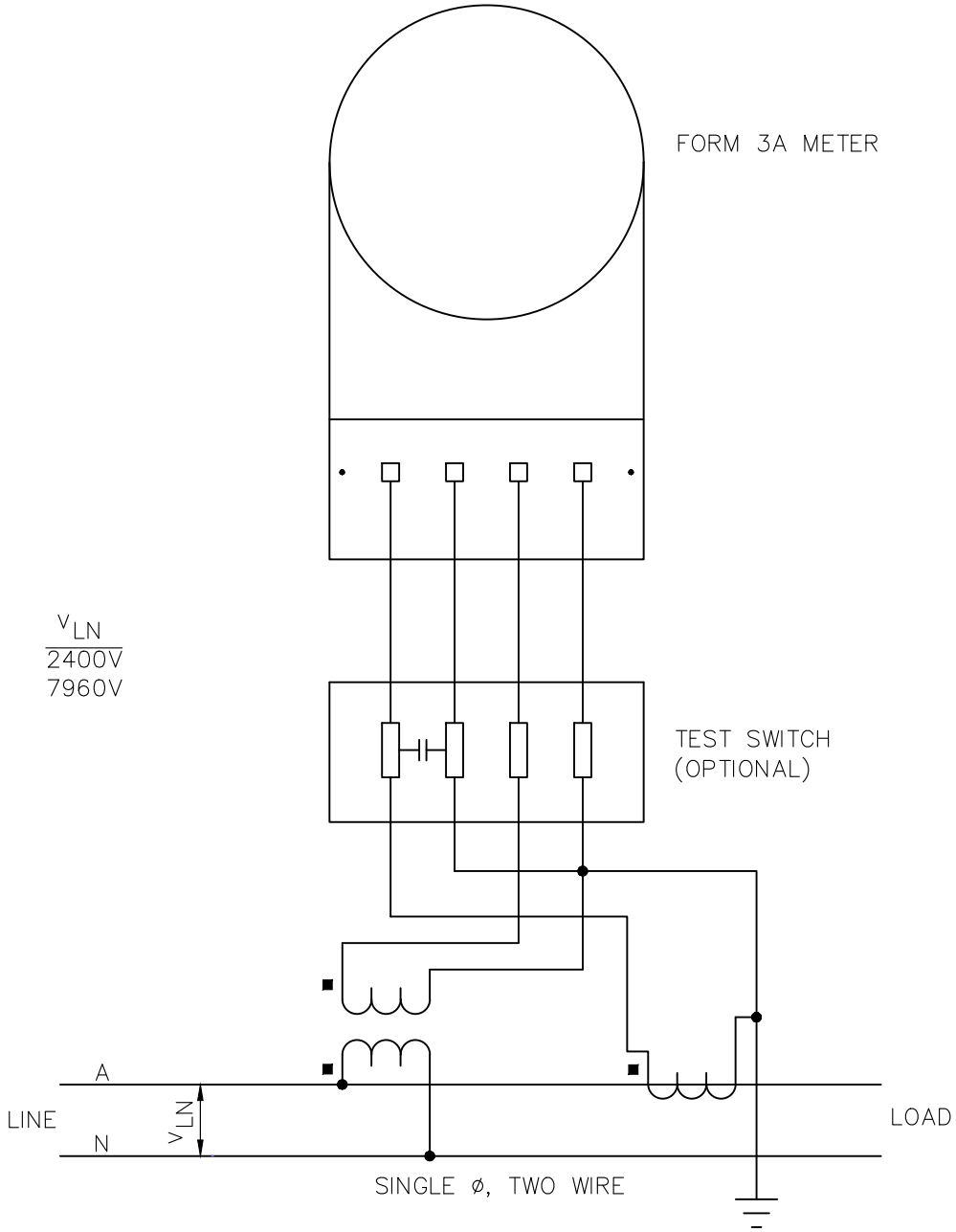
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, THREE Ø, FOUR WIRE WYE, 277/480V	
DATE: 06/23/98	DWG. NO.: 232301
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



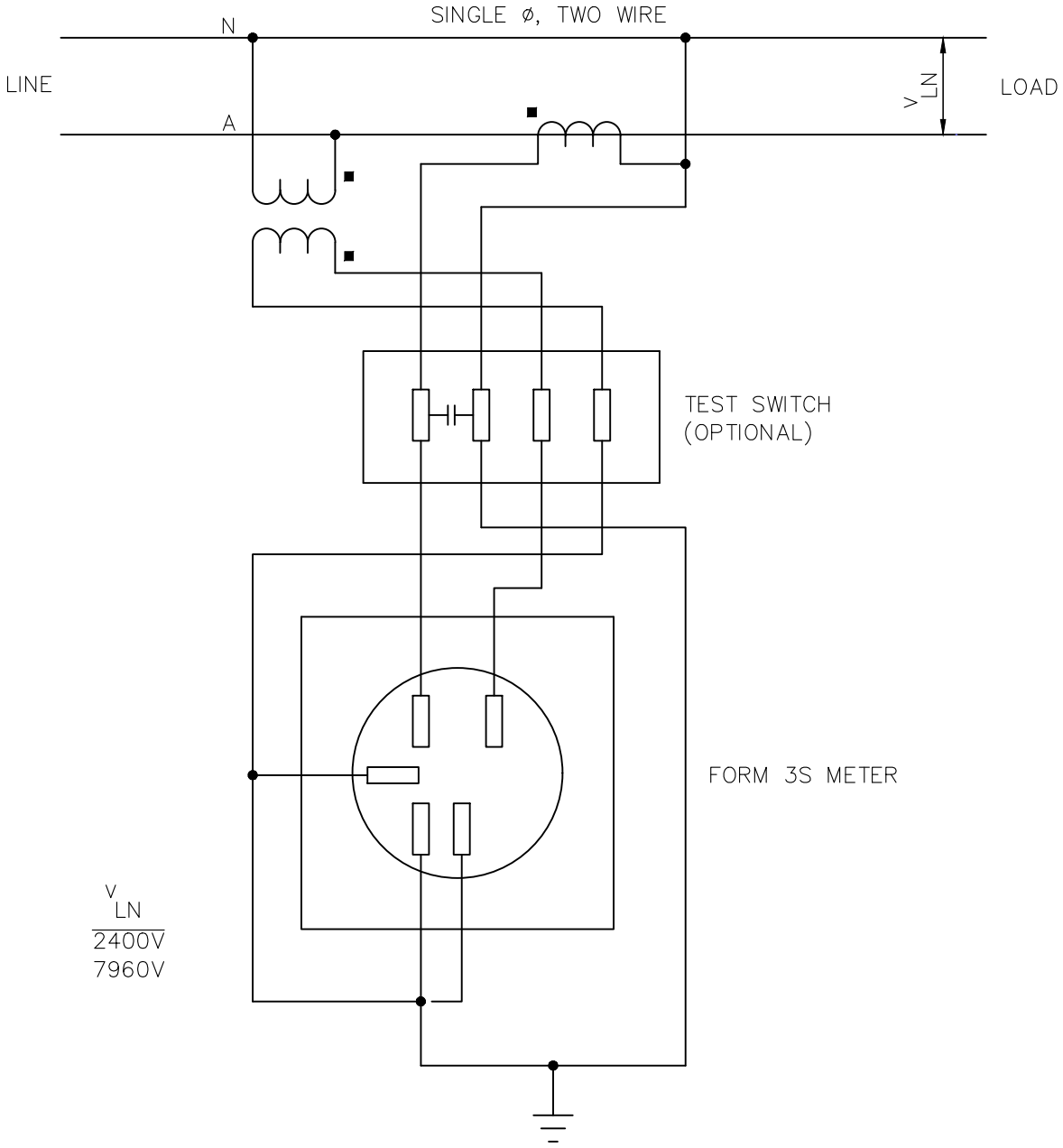
NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, THREE Ø, FOUR WIRE WYE, 277/480V	
DATE: 01/08/99	DWG. NO.: 232401
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



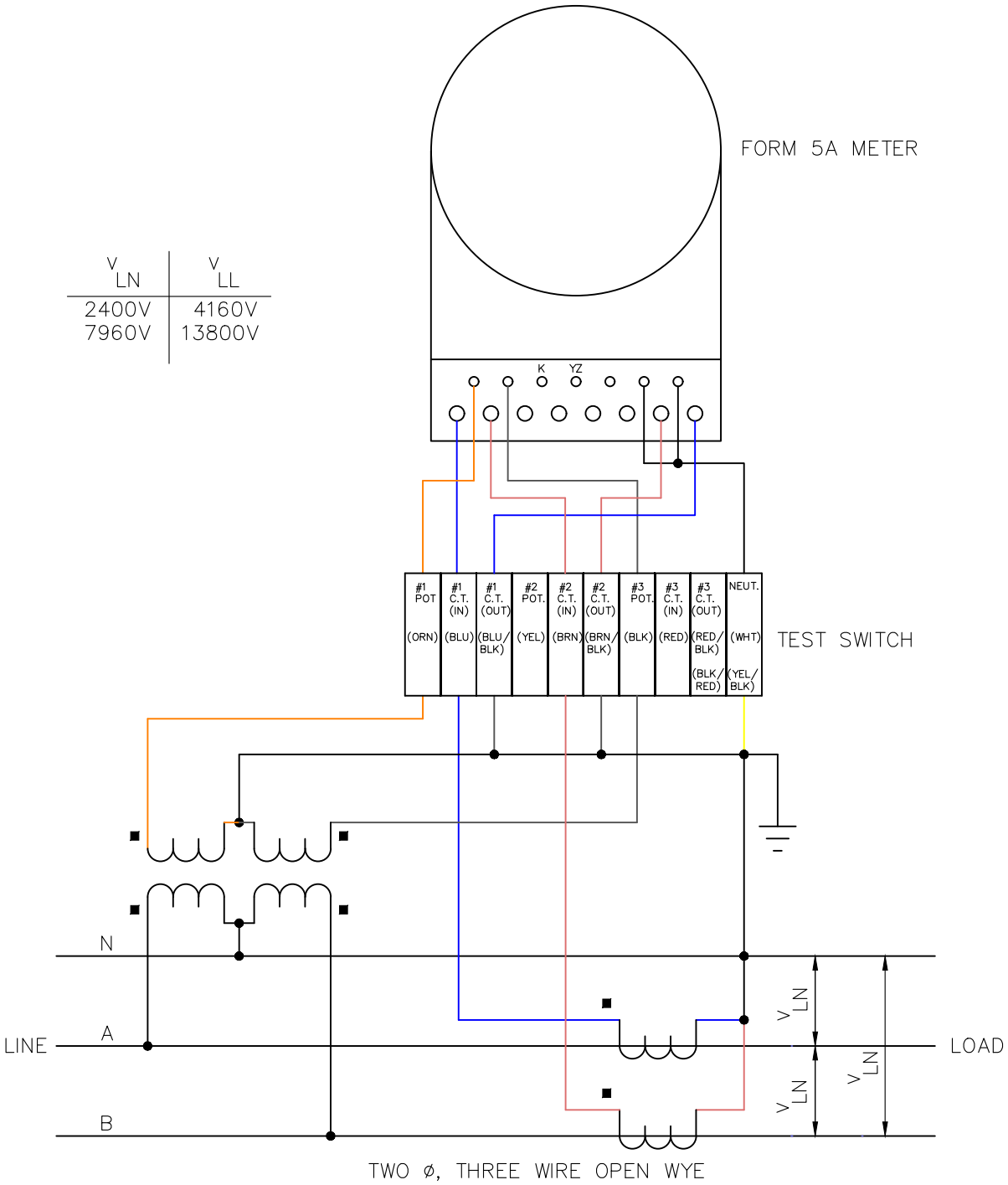
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED, BOTTOM CONNECTED SINGLE Ø, TWO WIRE PRIMARY	
DATE: 03/27/98	DWG. NO.: 232501
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

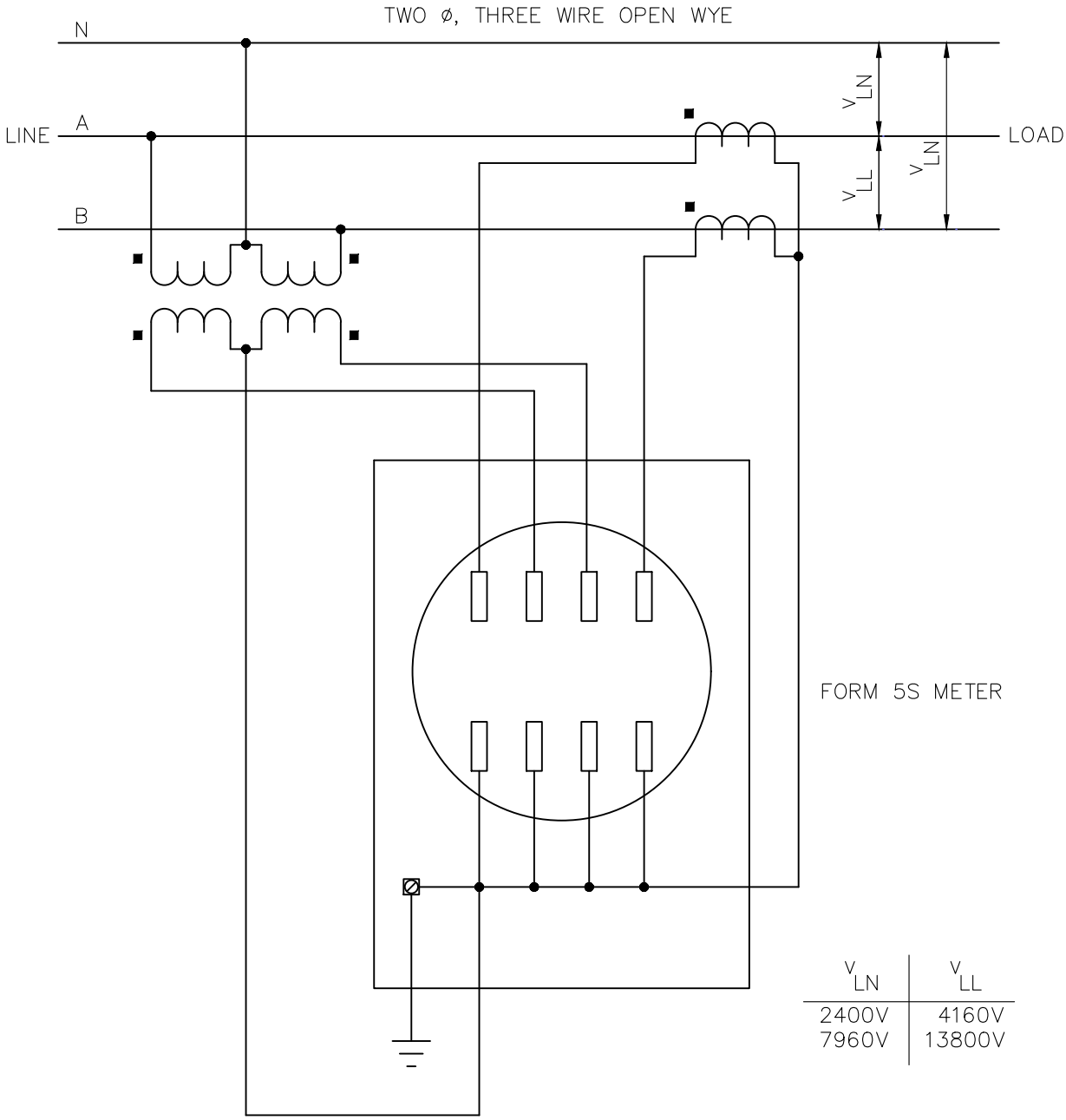
BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, SINGLE Ø, TWO WIRE, PRIMARY	
DATE: 03/27/98	DWG. NO.: 232601
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



V LN	V LL
2400V	4160V
7960V	13800V

TWO ø, THREE WIRE OPEN WYE

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, TWO Ø THREE WIRE OPEN WYE, PRIMARY	
DATE: 06/23/98	DWG. NO.: 232701
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

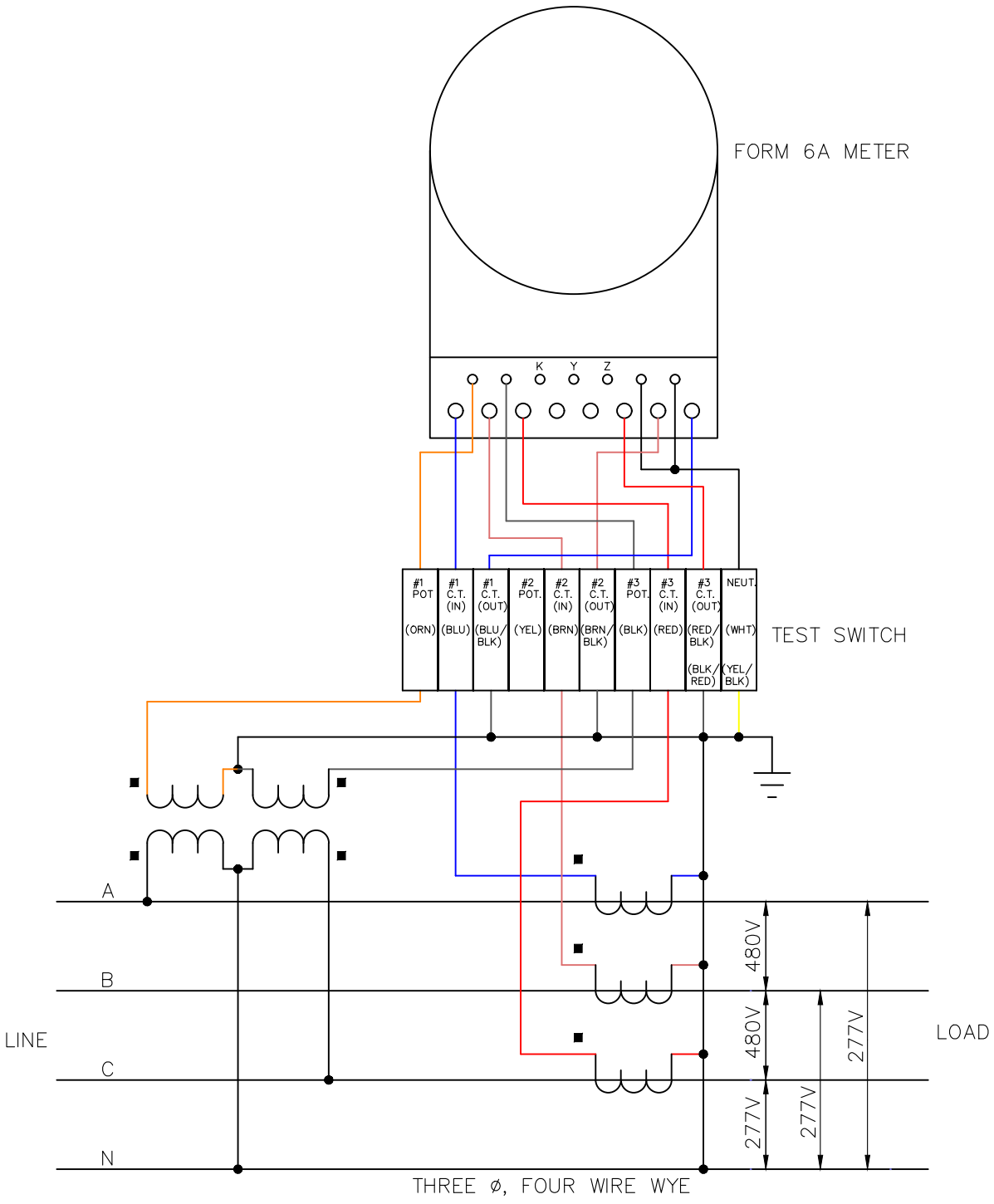


V_{LN}	V_{LL}
2400V	4160V
7960V	13800V

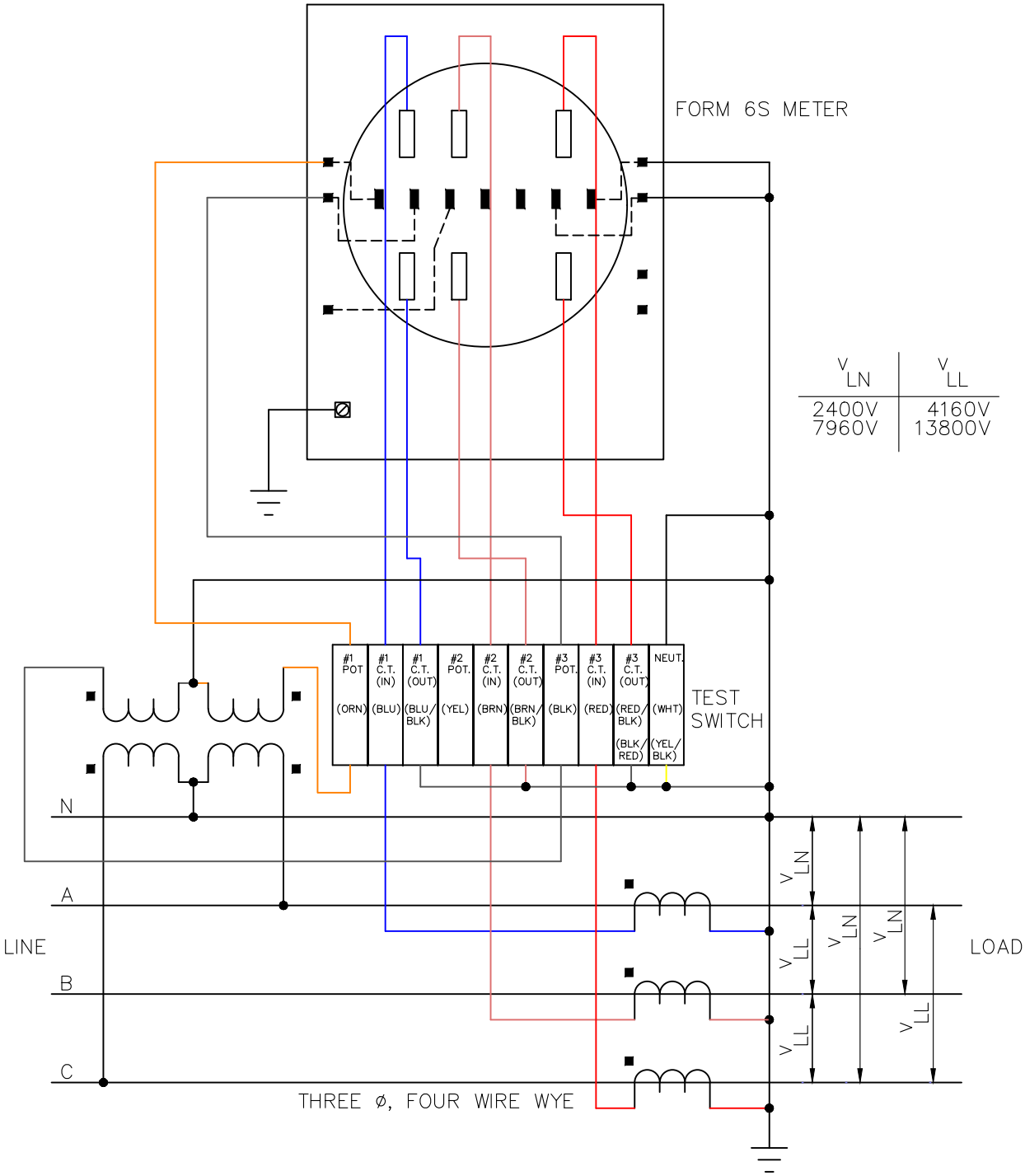
NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, TWO Ø, THREE WIRE OPEN WYE, PRIMARY	
DATE: 06/23/98	DWG. NO.: 232801
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED BOTTOM CONNECTED, THREE Ø, FOUR WIRE WYE, 277/480V	
DATE: 06/18/98	DWG. NO.: 232901
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. METER SOCKET WITH AUTOMATIC CURRENT CIRCUIT CLOSING DEVICE OR TEST SWITCH SHOULD BE UTILIZED IN THIS INSTALLATION.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
WIRING DIAGRAM, TRANSFORMER-RATED SOCKET TYPE, THREE Ø, FOUR WIRE WYE, PRIMARY	
DATE: 06/23/98	DWG. NO.: 233001
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1

METERING CABLE COLOR CODING:

1. A PHASE VOLTAGE.....(ORANGE)
2. A PHASE CURRENT "IN" (POLARITY).....(BLUE)
3. A PHASE CURRENT "OUT".....(BLUE/BLACK TRACER)
4. B PHASE VOLTAGE.....(YELLOW)
5. B PHASE CURRENT "IN" (POLARITY).....(BROWN)
6. B PHASE CURRENT "OUT".....(BROWN/BLACK TRACER)
7. C PHASE VOLTAGE.....(BLACK)
8. C PHASE CURRENT "IN" (POLARITY).....(RED)
9. C PHASE CURRENT "OUT".....(RED/BLACK TRACER)
10. A–B–C PHASE C.T. RETURN.....(BLACK/RED TRACER)
11. NEUTRAL RETURN FROM C.T. & P.T.....(YELLOW/BLACK TRACER)

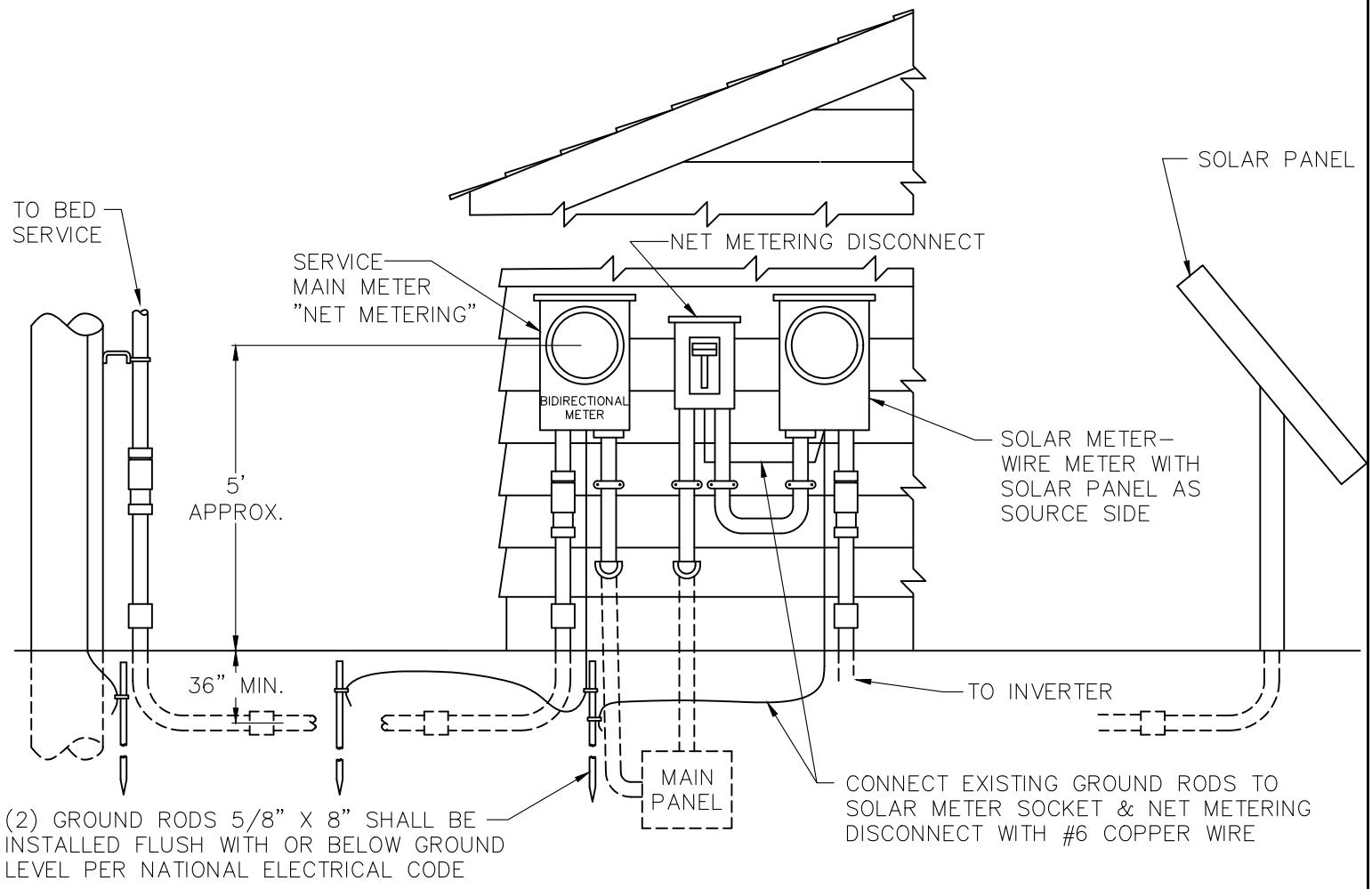
NOTE:

1. THIS COLOR CODING SYSTEM HAS BEEN REVISED PERIODICALLY AND THE FOLLOWING CODING MAY BE FOUND IN THE FIELD:

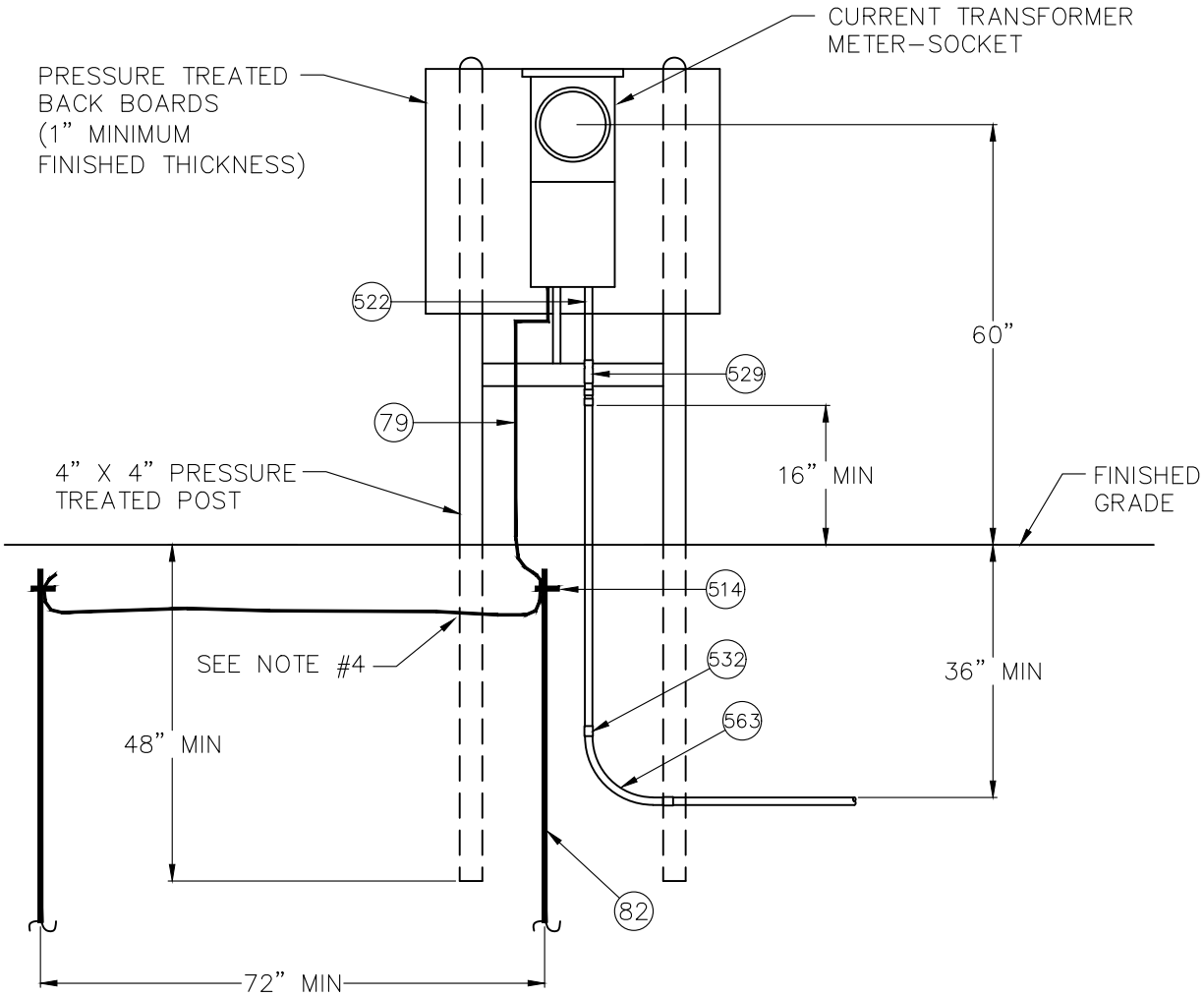
4. B PHASE VOLTAGE.....(BLACK/WHITE TRACER)
5. B PHASE CURRENT "IN" (POLARITY).....(GREEN)
6. B PHASE CURRENT "OUT".....(GREEN/BLACK TRACER)
10. A–B–C PHASE C.T. RETURN.....(WHITE/BLACK TRACER)
11. NEUTRAL RETURN FROM C.T. & P.T.....(WHITE)

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
METERING CABLE COLOR CODING	
DATE: 02/24/99	**DWG. NO.:** 233101
DWN BY: RG	**APP. BY:**
SCALE: NONE	**SHEET** 1 **OF** 1

THIS SPECIFICATION SHOWS AN UNDERGROUND SERVICE WITH THE SOLAR METER LOCATED NEXT TO THE MAIN SERVICE METER. OTHER CONFIGURATIONS ARE POSSIBLE, BUT THE SOLAR METER MUST BE ELECTRICALLY CONNECTED ON THE UTILITY GRID SIDE OF THE INVERTER WITH THE SOLAR PANEL AS ITS SOURCE. PLEASE CALL BURLINGTON ELECTRIC (802) 658-0300 WITH QUESTIONS.



BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
NET METERING RIDER	
DATE: 11/22/11	DWG. NO.: 233301
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



NOTES

1. LOCATION OF PEDESTAL WILL BE DESIGNATED BY BED.
2. PEDESTAL SHALL BE LOCATED A MINIMUM OF 10' AND A MAXIMUM OF 25' FROM PAD MOUNTED TRANSFORMER.
3. 4" X 4" PRESSURE TREATED WOOD POSTS SHALL BE RATED FOR SOIL CONTACT.
4. GROUND TO COMPLY WITH NEC CODE AND BED STANDARDS.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
TYPICAL METER PEDESTAL FOR CURRENT TRANSFORMER METER	
DATE: 06/10/24	DWG. NO.: 233201
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 5

MATERIAL LIST

Item	Quantity	Description	Stock Code		
79	AS REQUIRED	#2 AWG COPPER, 7 STRAND, 600 V	ECW	SCC	00150
82	2	GROUND ROD	GRD	ROD	00010
514	2	GROUND ROD CONNECTOR	GRD	CON	00010
522	AS REQUIRED	1 1/4" SCH 40 PVC CONDUIT	DUC	PVC	00060
529	1	EXPANSION COUPLING (SELECT SIZE)	DUC	PFS	-
532	2	COUPLING, PVC	DUC	PCP	-
563	1	CONDUIT SWEEP, STANDARD RADIUS	DUC	PEL	-

BURLINGTON ELECTRIC DEPT.

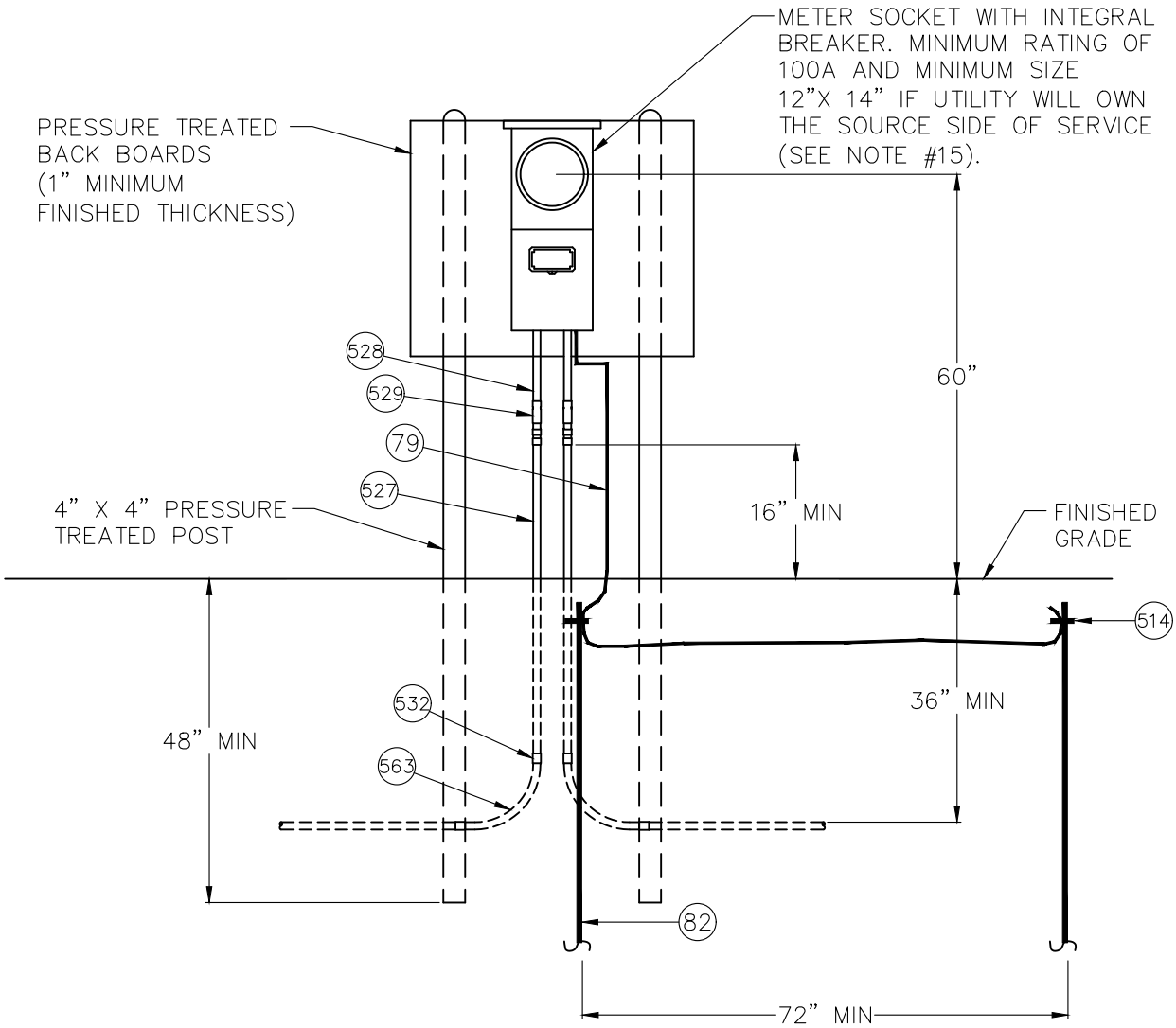
DISTRIBUTION STANDARDS

TYPICAL METER PEDESDTAL FOR CURRENT TRANSFORMER METER

DATE: 06/07/24	DWG. NO.: 233202
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 2 OF 5

RESIDENTIAL 120/240 VOLT SERVICES ONLY			
RATING	CABLE LENGTH*	TRIPLEX SIZE	CONDUIT
100A	0–270'	1/0	2.5"
	271'–410'	4/0	2.5"
	411'–650'	350 MCM	3"
150A	176'–275'	4/0	2.5"
	276'–435'	350 MCM	3"
200A	0–205'	4/0	2.5"
	206'–325'	350 MCM	3"
300A	0–220'	350 MCM	3"

*CABLE LENGTH IS THE TOTAL OF TRENCH AND RISER LENGTHS. THIS CHART DOES NOT INDICATE THAT THE CABLE CAN BE PULLED INTO CONDUITS OF THESE LENGTHS. PULLING TENSION CALCULATIONS ARE NECESSARY TO MAKE THAT DETERMINATION.



NOTES

1. LOCATION OF PEDESTAL WILL BE DESIGNATED BY BED.
2. 4" X 4" PRESSURE TREATED WOOD POSTS SHALL BE RATED FOR SOIL CONTACT.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
TYPICAL METER PEDESTAL SELF-CONTAINED METER	
DATE: 06/10/24	DWG. NO.: 233203
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 3 OF 5

MATERIAL LIST

Item	Quantity	Description	Stock Code		
79	AS REQUIRED	#2 AWG COPPER, 7 STRAND, 600 V	ECW	SCC	00150
82	2	GROUND ROD	GRD	ROD	00010
514	2	GROUND ROD CONNECTOR	GRD	CON	00010
527	AS REQUIRED	CONDUIT, SCHEDULE 40 (SELECT SIZE)	DUC	PVC	-
528	AS REQUIRED	CONDUIT, SCHEDULE 80 (SELECT SIZE)	DUC	PVC	-
529	2	EXPANSION COUPLING (SELECT SIZE)	DUC	PFS	-
532	4	COUPLING, PVC	DUC	PCP	-
563	2	CONDUIT SWEEP, STANDARD RADIUS	DUC	PEL	-

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
TYPICAL METER PEDESTAL SELF-CONTAINED METER	
DATE: 06/07/24	DWG. NO.: 233204
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 4 OF 5

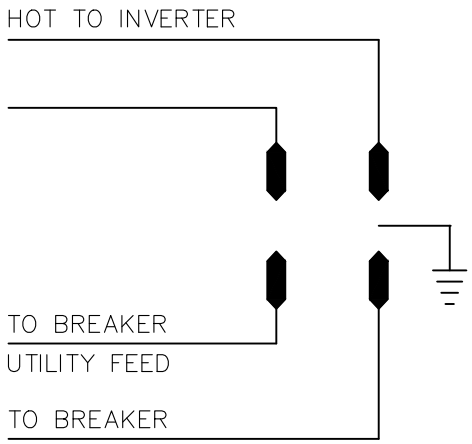
NOTES

1. ALL WIRING AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NEC) AND TO ANY APPLICABLE LOCAL CODES. WHERE CONFLICT EXISTS THE MORE STRINGENT CODE WILL APPLY. FOR CUSTOMER OWNED EQUIPMENT, ANY REQUIREMENTS IN EXCESS OF CODE SPECIFIED MINIMUMS, ARE RECOMMENDED NOT REQUIRED.
2. THIS SPECIFICATION COVERS RESIDENTIAL SERVICES. COMMERCIAL SERVICE EQUIPMENT IS UNDER THE JURISDICTION OF THE ELECTRICAL INSPECTOR. THE CABLE SIZES SHOWN IN THE CHART MAY NOT APPLY TO COMMERCIAL SERVICES.
3. THE LOCATION OF THE METER PEDESTAL AND THE METER SOCKET WILL BE DESIGNATED BY THE UTILITY REPRESENTATIVE. THERE SHALL BE NO MORE THAN (3) 90° BENDS IN THE CONDUIT, INCLUDING ONE AT THE POLE/PAD AND ANOTHER AT THE METER PEDESTAL. ANY RELOCATIONS SHALL BE APPROVED BY A UTILITY REPRESENTATIVE.
4. ALL GAS VALVES SHALL BE A MINIMUM OF 10' FROM ELECTRIC METER EQUIPMENT. FOR CLEARANCES LESS THAN 10', REFER TO NFPA 58.
5. THE CUSTOMER SHALL SUPPLY AND INSTALL THE PEDESTAL, CONDUIT, METER SOCKET/DISCONNECT AND GROUNDING. A PULL ROPE HAVING A MINIMUM PULL STRENGTH OF 500 LBS IS REQUIRED TO BE INSTALLED IN THE CONDUIT BY THE CUSTOMER IF THE UTILITY SUPPLIES THE CABLE. IF THE CUSTOMER SUPPLIES THE CABLE, IT SHALL BE INSTALLED IN THE CONDUIT AND CONNECTED TO THE METER SOCKET.
6. THE TRENCH SHOULD BE DUG A MINIMUM OF 18"W AND 36"D TO THE TOP OF THE CONDUIT.
7. DEPTHS SHALLOWER THAN 36" MAY BE ALLOWED WHERE OBSTRUCTIONS SUCH AS LEDGES ARE ENCOUNTERED. ANY PORTION OF CONDUIT SHALLOWER THAN 24" SHALL BE COVERED BY A MINIMUM 2" CONCRETE CAP. SEE THE UTILITY FOR FOR ADDITIONAL REQUIREMENTS FOR CONDUIT BURIED NEAR UNDERGROUND FACILITIES, UNDER DRIVEWAYS OR ROADWAYS, OR FOR DEPTHS SHALLOWER THAN 12".
8. A MARKER TAPE SHALL BE INSTALLED, ABOVE THE CONDUIT, 12" BELOW GRADE. TYPE USE CABLE SHALL BE LISTED OR MARKED SUNLIGHT RESISTANT.
9. ANY STEEL CONDUIT WITHIN 18" OF THE SURFACE SHALL BE BONDED. STEEL CONDUIT IS NOT REQUIRED.
10. THE CHART SHOWS THE ACCEPTABLE TOTAL CABLE LENGTH FOR GIVEN SERVICE AMP RATINGS AND CONDUCTORS. THE CHART IS BASED ON A MAXIMUM 3% VOLTAGE DROP IN AN ALUMINUM UNDERGROUND SERVICE CABLE FOR A 120/240V SERVICE. FOR OTHER VOLTAGES, CABLES OR MULTIPLE CABLES, CONSULT YOUR LOCAL UTILITY.
11. RESIDENTIAL METER SOCKETS 200A AND LARGER, AND ALL COMMERCIAL METER SOCKETS SHALL HAVE A MANUAL BYPASS. THE METER SOCKET SHALL HAVE A SEPARATE GROUNDING ELECTRODE CONDUCTOR CONNECTOR. THE CONNECTOR SHALL BE APPROPRIATELY CONNECTED TO THE SERVICE NEUTRAL BUS. THE SERVICE NEUTRAL, AND NOT THE GROUNDING ELECTRODE CONDUCTOR, SHALL EXTEND FROM THE METER SOCKET TO THE MAIN DISCONNECT IN THE BUILDING. AN EXCEPTION WOULD OCCUR IF A BREAKER, UNDER THE METER SOCKET, IS THE MAIN DISCONNECT FOR A MOBILE HOME.
12. A SIDE BUS BAR METER SOCKET AND 3" CONDUIT ARE REQUIRED IF 350 MCM CABLE OR A DOUBLE RUN OF CABLE IS USED.
13. THE SERVICE DISCONNECTING MEANS SHALL BE INSTALLED AT A READILY ACCESSIBLE LOCATION, EITHER OUTSIDE OF A BUILDING OR STRUCTURE, OR INSIDE A BUILDING OR STRUCTURE NEAREST THE POINT OF ENTRANCE OF THE SERVICE CONDUCTORS, NOT TO EXCEED 10 FEET OF CONDUCTOR LENGTH FROM THE POINT OF ENTRANCE OR AS DIRECTED BY CITY ELECTRICAL INSPECTOR.
14. A DISCONNECT IS REQUIRED TO BE WITHIN 30' OF A MOBILE HOME. 4 WIRE SERVICES ARE REQUIRED FROM THE DISCONNECT TO THE SUBPANEL (IN THE MOBILE HOME). THE BREAKER IN THE DISCONNECT SHALL BE SIZED TO PROTECT THE FEEDER TO THE SUBPANEL. MODULAR HOMES, RATED BY THE MANUFACTURER "FOR PERMANENT FOUNDATION", MAY HAVE THE METER SOCKET MOUNTED DIRECTLY ON THE STRUCTURE.
15. THE GROUNDING ELECTRODE CONDUCTOR, FROM THE MAIN DISCONNECT TO A DRIVEN GROUND, SHALL BE A MINIMUM OF #6 COPPER. THE CONDUCTOR SHALL BE ADEQUATELY PROTECTED. THE DRIVEN GROUNDS SHOWN SHALL BE A MINIMUM OF 5/8"ø AND 8"L.
16. THE UTILITY RECOMMENDS THAT THE CUSTOMER INSTALL A INTEGRAL BREAKER/METER SOCKET. THE PURPOSE OF THE BREAKER IS TO ALLOW THE CUSTOMER TO MAINTAIN THEIR UNDERGROUND SERVICE WITHOUT AN EXPENSIVE LINE CREW VISIT. CHECK WITH BED TO DETERMINE WHETHER THE BREAKER IS REQUIRED.
17. WHERE SUBJECT TO STATE OR LOCAL ELECTRICAL INSPECTION, SUCH INSPECTION MUST BE MADE PRIOR TO ENERGIZING.

BURLINGTON ELECTRIC DEPT.	
DISTRIBUTION STANDARDS	
TYPICAL METER PEDESTAL NOTES	
DATE: 06/10/24	**DWG. NO.:** 233205
DWN BY: RG	**APP. BY:**
SCALE: NONE	**SHEET** 5 **OF** 5

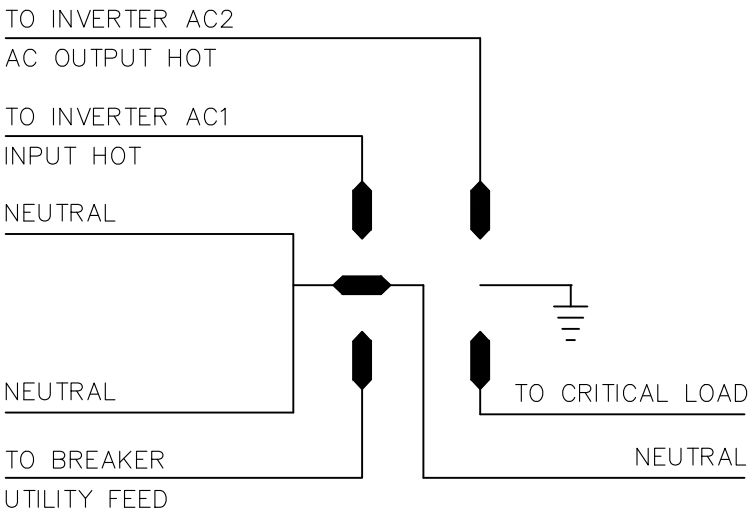
2334

240V INVERTER
3 WIRE SOCKET



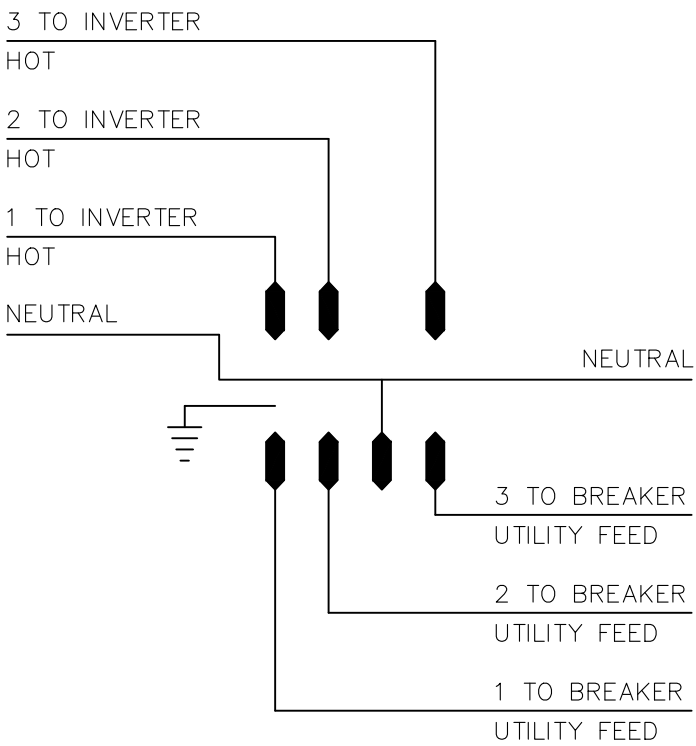
NO NEUTRAL REQUIRED

120V INVERTER / BATTERY BACKUP
FORM 12S - 5 TERM SOCKET



IN POWER OUTAGE, AC1 IS DISCONNECTED BY ELECTRONIC BREAKER AND UTILITY IS ISOLATED FROM GENERATION. DISPLAY ON METER IS NOW OFF AND NO GENERATION IS METERED.

120/208V
3 PHASE
7 TERM SOCKET



THE FOLOWING CONDITIONS APPLY:

1. ALL SOCKET LOCATIONS OUTSIDE UNLESS INSIDE MAIN METER ROOM.
2. ALL GROUNDING COMPLETELY VISABLE AT SOCKET.
3. GROUND TO GROUND ROD IN ISOLATED LOCATIONS.
4. GROUND TO SYSTEM GROUND NEAR NET METER.
5. NEUTRAL WIRES ISOLATED FROM SOCKET AND GROUND.
6. AC OR DC BREAKER BY SOCKET.
7. ConnectDER DEVICES WILL ONLY BE ALLOWED ON METER SOCKET 200A OR LESS.

BURLINGTON ELECTRIC DEPT.

DISTRIBUTION STANDARDS

NET METERING RIDER METER CONNECTIONS

DATE: 06/04/24	**DWG. NO.:** 233401
DWN BY: RG	**APP. BY:**
SCALE: NONE	**SHEET** 1 **OF** 1