

SEE NOTES 6 & 7

FIG. 1
TYPICAL TRANSFORMER RATED
METER BASE WITH TEST SWITCH
400A SERVICE (1 x 500kcmil)

NOTES:

1. CONDUCTORS DEPICTED BY DASHED LINES ARE THE RESPONSIBILITY OF THE CUSTOMER AND ARE ONLY REPRESENTATIVE OF THE CONNECTION REQUIRED AT THE METER BASE TERMINALS. WIRING SHALL CONFORM TO THE RELEVANT SECTION(S) OF THE ONTARIO ELECTRICAL SAFETY CODE (OESC).
2. REFER TO METERBASE LIST. CONTACT METERING TECHNICAL SUPPORT FOR MORE INFORMATION.
3. IF THE NEUTRAL CONNECTOR IS INSULATED FROM THE METER BASE HOUSING, A SEPARATE BONDING CONDUCTOR BETWEEN THE SERVICE DISCONNECT AND METER BASE IS REQUIRED.
4. ALL METER BASES TO MAINTAIN MINIMUM CLEARANCES TO COMBUSTIBLE GAS RELIEF DISCHARGE DEVICES OR VENTS AS FOLLOWS:
 - 1m FROM NATURAL GAS, IF 1m CLEARANCE IS NOT AVAILABLE IT CAN BE REDUCED TO 0.3m MINIMUM CLEARANCE WHICH IS ONLY APPLICABLE IF REGULATORS EQUIPPED WITH CERTIFIED OVERPRESSURE CUT-OFF/SHUT-OFF WITH LIMITED OR NO RELIEF IS INSTALLED FOR THE GAS DISCHARGE OPENING. THE OVERPRESSURE RELIEF DEVICES MUST BE MARKED "LR-OPCO", "P-OPCO" OR "OPCO", AND
 - 3m FROM PROPANE GAS.
5. ALL METER BASES AND SUPPLY CONDUITS ARE TO BE SURFACE MOUNTED PER HYDRO ONE STANDARDS. METER BASES/CONDUITS CONCEALED IN WALLS, ENCLOSED IN CABINETS OR OTHERWISE OBSTRUCTED ARE NOT PERMITTED.
6. FRONT PANEL COVER TO INCLUDE WARNING LABEL "NOT EQUIPPED WITH AUTO SHORTING DEVICE".
7. FRONT PANEL MUST BE EQUIPPED WITH METAL SHROUD BARRIER TO PREVENT REMOVAL OF METER RING PRIOR TO OPENING CT SHORTING BLOCK.
8. DRAW ADDITIONAL 2ft. OF CONDUCTOR INTO THE METERBASE TO PROVIDE EXCESS SLACK IN THE EVENT OF GROUND SETTLEMENT.
9. LINE SIDE TERMINATION: DOUBLE 1/2" STUDS TO ACCOMODATE COMPRESSION LUGS FOR UNDERGROUN SERVICE. (MAXIMUM 500kcmil or 250kcmil PARALLEL RUN).

PARTS LIST

PART No.	MM No.	DESCRIPTION	QTY.
1	30005915	SERVICE CABLE, 250Kcmil, 3-COND., AL.	A/R
	30005959	SERVICE CABLE, 500Kcmil, 3-COND., AL.	A/R
2	30006405	CONNECTOR, COMPRESSION, 1-HOLE, FOR 250 KCMIL AL.	A/R
	30032559	CONNECTOR, COMPRESSION, 1-HOLE, FOR 500 KCMIL AL.	A/R
MM# = REFER TO SECTION 16 ONLY		A/R = AS REQUIRED	
△ = SUPPLIED WITH EQUIPMENT			

ALL DIMENSIONS IN CENTIMETRES
UNLESS OTHERWISE STATED

01	SEPT 2023	THIS NEW DRAWING CONSISTS OF APPLICABLE CONTENT FROM RM7-303-0500-R1 FOR 400A TYPICAL UNDERGROUND SECONDARY SERVICE CABLE TERMINATIONS AT THE TRANSFORMER RATED METER BASE.	PC	MM	MM	MM
Rev No.	Date	Revision Particulars	dwn	ckd	des	app

Drawn By: PC	Checked By: M.MATEVSKI	Designed By: M.MATEVSKI	Design Approved By: M.MATEVSKI P.Eng.
Scale: N.T.S.	Date: (yyyy/mm/dd) 2022/05/16	Pole ID:	

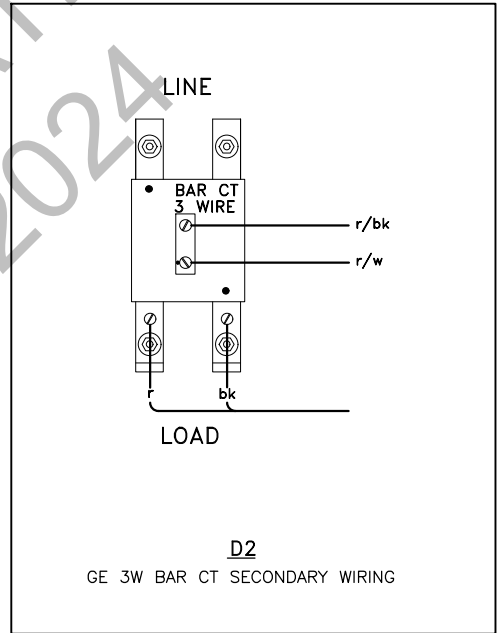
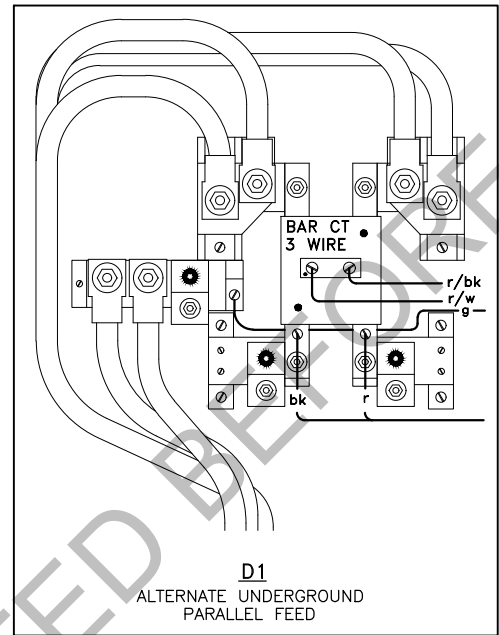
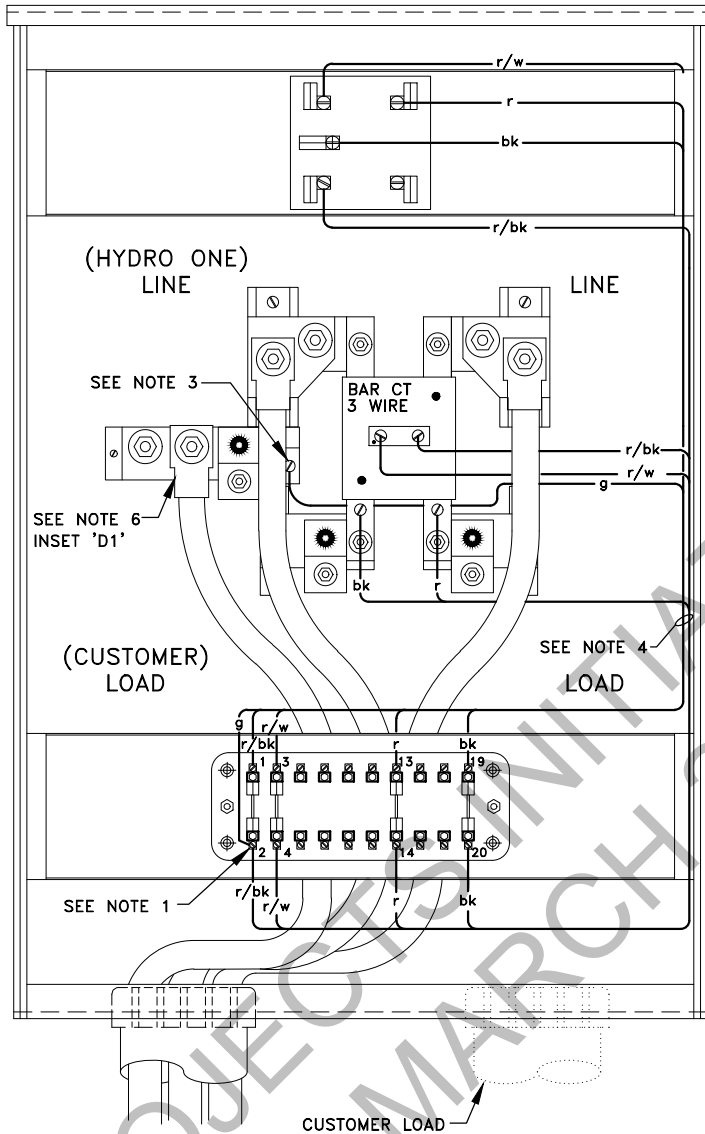


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Title:
TYPICAL UNDERGROUND SECONDARY SERVICE CABLE TERMINATIONS AT THE TRANSFORMER RATED METER BASE 400A, 1Ø, 120/240V, 3-WIRE

Drawing No. DU11-113-0500	Rev. No. 01
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TITLE BLOCK REV 02 - AUGUST 2014



NOTES:

- GROUND CT SECONDARY AT TEST SWITCH.
- REFER TO SECTION RM-16 FOR WIRE INFORMATION.
- USE GROUNDING STUD FOR CT SECONDARY GROUNDING FROM TEST SWITCH.
- SECONDARY CONDUCTORS SHALL USE TIE WRAPS FOR WIRE MANAGEMENT AND HELD BELOW PRIMARY CONDUCTORS OR BAR TYPE CTS WHERE SHOWN.
- FRONT PANEL COVER TO INCLUDE WARNING LABEL "NOT EQUIPPED WITH AUTO SHORTING DEVICE".
- LINE SIDE TERMINATION: DOUBLE 1/2" STUDS TO ACCOMMODATE COMPRESSION LUGS FOR UNDERGROUND SERVICE. (MAXIMUM 500MCM SINGLE OR 250MCM PARALLEL RUN).
250MCM COMPRESSION LUG: 30006405
500MCM COMPRESSION LUG: 30032559

TITLE BLOCK REV 02 - AUGUST 2014

01	DEC 2021	ORIGINAL RM7-203-0500 NOW SUPERSEDED BY THIS NEW DRAWING/REVISION.	PC	MK	MK	MK
Rev No.	Date	Revision Particulars	dwn	ckd	des	app



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Scale: N.T.S.	Date: (yyyy/mm/dd) 2021/012/08	Pole ID:
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Title:
U/G INTEGRATED METER-BASE, 1 X 3W BAR CT 1PH, 3W, 120/240V, CONSTRUCTION CWD UP TO 400A, FULL MULTIPLIER

Drawing No. RM7-303-0500	Rev. No. 01
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