

TITLE BLOCK REV 02 - AUGUST 2014

NOTES:

1. THIS 2-CT ARRANGEMENT IS AN ALTERNATE INSTALLATION. FOR PREFERRED INSTALLATION SEE DL11-305-0500. SEE SUB-SECTION 11-3 TEXT FOR MINIMUM CT INNER DIAMETER REQUIREMENTS.
2. CONTRACTORS MUST ADHERE TO THE LATEST EDITION OF SECTION 75 OF THE ONTARIO ELECTRICAL SAFETY CODE FOR HARDWARE, LINE MATERIAL AND OTHER DETAILS.
3. STANDBY GENERATOR SHALL ONLY BE CONNECTED THROUGH THE DOUBLE THROW SWITCH'S EMERGENCY SOURCE SO AS TO PREVENT FEEDBACK ON THE SUPPLY AUTHORITY'S SYSTEM. GENERATOR WILL FEED LOAD ONLY WHEN DOUBLE THROW SWITCH IS SWITCHED AND LOCKED IN THE EMERGENCY SOURCE POSITION.

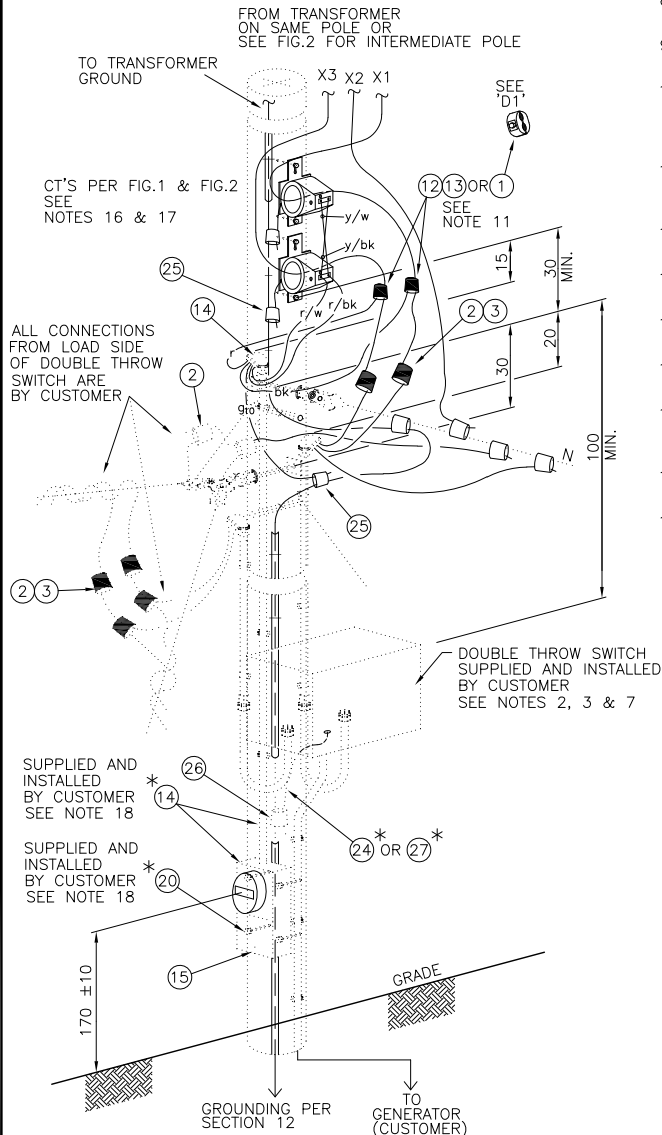


FIG.3
PROVISIONS FOR
STANDBY GENERATOR

FOR SHEET 1 OF THIS DRAWING SEE DL11-307-0500

ALL DIMENSIONS IN CENTIMETRES
UNLESS OTHERWISE STATED

Rev No.	Date	Revision Particulars	dwn	ckd	des	app
03	APRIL 2021	UPDATED FIGURES AND DETAILS NUMBERS TO THE NEW FORMAT. UPDATED NEW FIG.3 LAYOUT. REMOVED DETAIL 'D2' AND NOTE 18. UPDATED PART #25 AND ADDED #26 & #27. ADDED NEW NOTE 18 AND UPDATED FIGURES TO CLARIFY METERING EQUIPMENT SUPPLY.	PC	JF	JF	MM
02	DEC 2018	GENERAL UPDATES. DROPLEAD SIZE LIMITATION REMOVED PER NOTE 1 & DRAWING TITLE EDIT. CHANGED TO NEW DWG. & NUMBERING FORMAT. FOR PREVIOUS REVISIONS REFER TO DL11-307-R1.	SO	PC	MM	DD



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4. LEADS AT WEATHERHEAD MUST HAVE DRIP LOOPS.
5. TRANSFORMER DROP LEADS MUST BE COPPER ONLY.
6. IF DEEMED NECESSARY, CT CAN BE INSTALLED BELOW THE NEUTRAL. MAINTAIN A MINIMUM 15cm TO ALL OTHER EQUIPMENT OR PLANT. ENSURE A MINIMUM 1m CLEARANCE IS MAINTAINED FROM LOWEST SUPPLY PLANT TO JOINT USE PARTNER AS PER DL14-102-0500.
7. SWITCH LOCATION IS TYPICAL ONLY. WHERE APPLICABLE, EQUIPMENT FOR MANUAL OPERATION OF TRANSFER SWITCH CAN BE INSTALLED AT 250cm ABOVE GRADE. ENSURE ALL LEADS ARE MECHANICALLY PROTECTED AND INSTALLED AS PER ELECTRICAL SAFETY CODE. CUSTOMER OWNED CONDUIT TO TERMINATE MINIMUM 20cm BELOW NEUTRAL/MESSENGER.
8. CT'S SHOULD BE INSTALLED SUCH THAT THE CT RATIO CAN BE SEEN FROM THE GROUND WHENEVER POSSIBLE.
9. SEE SECTION RM7 OF RETAIL METERING STANDARDS FOR WIRING DIAGRAMS AND METERING SELECTION TABLES.
10. UP TO 4 SERVICES MAY BE CONNECTED TO A CM SERVICE. SEE SECTION 11 FOR OVERHEAD SERVICE TAPS AND SECTION 8 OF UNDERGROUND DISTRIBUTION STANDARDS BOOK FOR UNDERGROUND SERVICES.
11. FOR PIERCING CONNECTORS, IF REQUIRED, DOUBLE UP POTENTIAL LEAD TO OBTAIN ADEQUATE FILL OF THE CONNECTOR GROOVE. DO NOT REMOVE INSULATION FROM EITHER LEAD. REFER TO 'D1'.
12. CT MOUNTING PLATE REQUIRED ONLY IF NOT ALREADY SUPPLIED WITH CT.
13. IF CONNECTING SERVICE SEPARATE FROM CM INSTALL, CONNECT SERVICE CABLE TO TRANSFORMER DROP LEADS ABOVE CT.
14. BOND EQUIPMENT/PLATE USING TERMINAL CONNECTOR ON PLATE/CT CONNECTION BOLTS.
15. PROVIDE DRIP LOOPS AT ALL INSULATED CONDUCTOR CONNECTIONS.
16. FIG.1 IS PREFERRED INSTALLATION, HORIZONTAL INSTALLATION OF THE CT'S, AS IN FIG.2, SHALL ONLY BE USED WHERE SPACE IS LIMITED.
17. FIG.3 COULD BE APPLIED TO EITHER CT MOUNTING CONFIGURATION DEPICTED IN FIG.1 OR FIG.2.
18. PARTS MARKED WITH "*" (METER BASE, 3/4" PVC CONDUIT, WEATHER HEAD AND SUPPORTS) ARE CUSTOMER OWNED; METER AND ASSOCIATED WIRING BY HYDRO ONE. MM#S OF SUCH PARTS/KIT ARE FOR HYDRO ONE USE ONLY. IF REQUIRED TO BE SUPPLIED AND INSTALLED BY HYDRO ONE. "*" PARTS SHALL BE INSTALLED PER ONTARIO ELECTRICAL SAFETY CODE.

PARTS LIST

PART No.	MM No.	DESCRIPTION	QTY.
1	MM#	CONNECTOR, TAP, INSULATION PIERCING	A/R
2	MM#	CONNECTOR, TAP, WEDGE-TYPE	A/R
3	MM#	COVER, CONNECTOR, INSULATING	A/R
4	MM#	BOLT, 3/4"	A/R
5	MM#	CURRENT TRANSFORMER (CT)	2
6	△	PLATE, MOUNTING	2
7	30007338	CLEVIS BAIL, DEAD-END	2
8	MM#	GRIP, CONDUCTOR, PREFORMED, DEAD-END	2
9	10000058	BOLT-EYE, FOR 3/4" BOLT	1
10	30000760	CLEVIS, DOUBLE-EYE	1
11	30001595	WASHER, 3/4" x 2" x 2"	A/R
12	MM#	CONNECTOR, TAP, WEDGE-TYPE, MINI	4
13	30031685	COVER, CONNECTOR, INSULATING, MINI	3
14	30035166	METERING, 5 JAW, COMPLETE KIT WITH TEST SWITCH, PREWIRED	1
15	30000346	PADLOCK	1
16	30017018	CONDUCTOR, INSULATED, CU, #10 AWG, 600V, GRN	A/R
17	30006739	CONNECTOR, TERMINAL, #12 - 10 AWG	2
18	30005950	CONDUCTOR, INSULATED, CU, #12 AWG, 600V, y/w	A/R
19	30005753	CONDUCTOR, INSULATED, CU, #12 AWG, 600V, y/bk	A/R
20	30001989	SCREW, LAG, 1/4" x 2-1/2"	8
21	30034591	MOULDING, GROUND WIRE	A/R
22	30013378	STAPLE, 3", MOULDING	A/R
23	30013881	STAPLE, 1-1/2", GROUND WIRE	A/R
24	30034306	CONDUCTOR, CCS, #3 AWG	A/R
25	30030767	CONNECTOR, TAP, WEDGE-TYPE, MINI	3
26	30007225	CONNECTOR, TAP, WEDGE-TYPE, FOR CCS	A/R
27	30014480	CONDUCTOR, BARE COPPER, #4 AWG	A/R
MM# = REFER TO SECTION 16 ONLY		A/R = AS REQUIRED	
△ = SUPPLIED WITH EQUIPMENT		* = SUPPLIED BY CUSTOMER	

Drawn By: MV Checked By: Designed By: Design Approved By:

Scale: N.T.S. Date: (yyyy/mm/dd) Pole ID:

Title: CENTRAL METERING

FOR SECONDARY DROP LEADS (2-CT ARRANGEMENT)
1Ø, 3-WIRE, 120/240V

Drawing No. DL11-307-0501 Rev. No. 03