



**NOTES:**

- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
- FOR METER EQUIPMENT INSTALLATION REQUIREMENTS, REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008.
- MINIMUM OF 1000 [3' 4"] OF CLEARANCE REQUIRED IN FRONT OF ALL ELECTRICAL AND REVENUE METERING EQUIPMENT IF INSTALLED AT OUTDOOR LOCATION; MINIMUM OF 1500 [5'] OF CLEARANCE REQUIRED IF INSTALLED AT INDOOR LOCATION.
- DG SOURCE FUSED DISCONNECT SHALL HAVE FACTORY INSTALLED OVER CURRENT PROTECTION AS PER HYDRO OTTAWA SPECIFICATION GCS0008.
- PLYWOOD MOUNTING SURFACE PAINTED WITH GRAY FIRE RETARDANT PAINT FOR MINIMUM 900 x 900 x 16 [36" x 36" x 5/8"] OR 900 x 900 x 19 [36" x 36" x 3/4"] TO A MINIMUM OF 1200 x 1200 x 16 [48" x 48" x 5/8"] OR 1200 x 1200 x 19 [48" x 48" x 3/4"] EXCLUSIVE FOR HYDRO OTTAWA METERING EQUIPMENT.
- 5-JAW TRANSFORMER RATED COMBINATION SOCKET METER BASE WITH PROVISIONS FOR 4-POLE METERING SWITCH, SEE HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008, TABLE 4, FOR LIST OF APPROVED METER SOCKET BASES.
- INSTRUMENT TRANSFORMER CABINET DIMENSIONS:  
MINIMUM: 900 x 900 x 300 [36" x 36" x 12"]  
MAXIMUM: 1200 x 1200 x 300 [48" x 48" x 12"]
- DG SYSTEM FUSED DISCONNECT SHALL HAVE OVER-CURRENT PROTECTION AS PER HYDRO OTTAWA SPECIFICATION GCS0008.
- FOR PARALLEL CONNECTIONS FOR DG OR ERF SERVICES, HYDRO OTTAWA WILL ACCEPT THE ADDITION OF MULTI-BARREL MECHANICAL LUGS WHERE PRACTICABLE. TERMINATIONS OF TWO CONDUCTORS IN THE SAME LUG BARREL SHALL NOT BE PERMITTED. REFER TO HYDRO OTTAWA SPECIFICATION ECG0015 FOR MORE INFORMATION.

**DEFINITIONS:**

**"DG SYSTEM FUSED DISCONNECT"** MEANS AN ELECTRICAL SAFETY AUTHORITY (ESA) APPROVED DEVICE WITH FACTORY INSTALLED OVER-CURRENT PROTECTION RATED AT EITHER 100% FULL-LOAD AMPS (FLA) OR 80% OF THE AVAILABLE FAULT AMPS OF THE CUSTOMER'S GENERATION OR ENERGY STORAGE EQUIPMENT, WHICHEVER IS GREATER; MOULDED CASE BREAKERS ARE NOT ACCEPTABLE. IT SHALL PROVIDE AN OBVIOUSLY VISIBLE OPEN POINT. THIS DEVICE IS USED TO ISOLATE THE CUSTOMER'S DISTRIBUTED GENERATION (DG) EQUIPMENT OR ENERGY RESOURCE FACILITY (ERF) EQUIPMENT, FROM THE UTILITY DISTRIBUTION SYSTEM.

**"DG SOURCE FUSED DISCONNECT"** MEANS AN ELECTRICAL SAFETY AUTHORITY (ESA) APPROVED DEVICE WITH FACTORY INSTALLED OVER-CURRENT PROTECTION RATED AT EITHER 100% FULL-LOAD AMPS (FLA) OR 80% OF THE AVAILABLE FAULT AMPS FROM THE CUSTOMER'S GENERATION OR ENERGY STORAGE EQUIPMENT, WHICHEVER IS GREATER; MOULDED CASE BREAKERS ARE NOT ACCEPTABLE. IT SHALL PROVIDE AN OBVIOUSLY VISIBLE OPEN POINT. THIS DEVICE IS USED TO ISOLATE THE CUSTOMER'S DISTRIBUTION GENERATION (DG) EQUIPMENT OR ENERGY RESOURCE FACILITY (ERF) EQUIPMENT, FROM THE EQUIPMENT THAT IT SUPPLIES.

REVISIONS		PREP	CHKD	APPD	TITLE
REV:	DATE:	JD	SMC	CSM	
1	2016-02-05				ENGINEERING SPECIFICATION
CHANGE:	UPDATE NOTES				
2	2016-03-24	GM	SMC	CSM	ERF/COM 120V/240V, 1PH, 3W, 400A TO 600A SECONDARY SERVICE METER WIRING
CHANGE:	UPDATE NOTES				
REV:	DATE:				CONSTRUCTION DETAIL
CHANGE:	YYYY-MM-DD				
 www.hydroottawa.com					<b>MCS0087</b>
PREP:	S. KUMARASAMY				
CHKD:	S. McNALLY (E.I.T.)				1 REV: 2
APPD:	C. MALONE P.Eng				
DATE:	2014-09-03				
SCALE:	N.T.S. @ ANSIB				