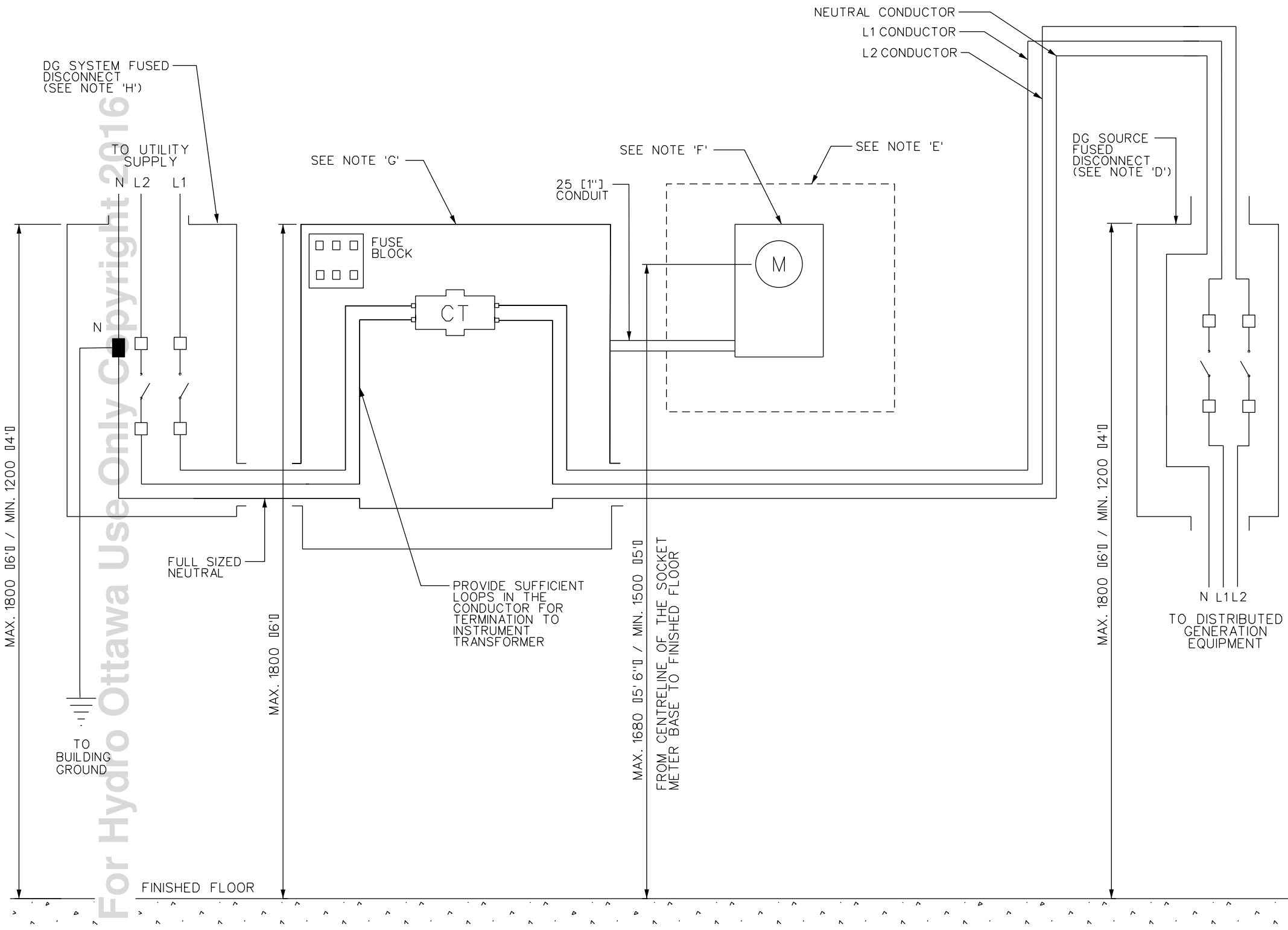

NOTES:

A. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.

B. FOR METER EQUIPMENT INSTALLATION REQUIREMENTS, REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008.

C. MINIMUM OF 1500 [5'] OF CLEARANCE IN FRONT OF ALL METERING EQUIPMENT REQUIRED.

D. DG SOURCE FUSED DISCONNECT SHALL HAVE FACTORY INSTALLED OVER CURRENT PROTECTION AS PER HYDRO OTTAWA SPECIFICATION GCS0008.

E. 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.

F. 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.

G. 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"]

H. DG SYSTEM FUSED DISCONNECT SHALL HAVE OVER-CURRENT PROTECTION, SIZED AS PER HYDRO OTTAWA SPECIFICATION GCS0008.

I. TO ENERGIZE THE DISTRIBUTION GENERATION (DG) SERVICE, HYDRO OTTAWA REQUIRES:
   i. NOTIFICATION AND/OR COPY OF THE ESA 'CONNECTION AUTHORIZATION CERTIFICATE'.
   ii. POSTING OF A LAMACOID PLATED ELECTRICAL, SINGLE LINE DRAWING (SLD) AT THE DG SYSTEM FUSED DISCONNECT SWITCH. THE SLD MUST BE PLAINLY MARKED IDENTIFYING SWITCHING ARRANGEMENTS, THE DISCONNECT LOCATIONS AND THE TYPE AND NAMEPLATE RATING OF THE DISTRIBUTED GENERATOR.

J. POSTING OF A LAMACOID PLATED LABEL AT THE DG SOURCE FUSED DISCONNECT SWITCH INDICATING THE GENERATOR:
   i. RATED OPERATING CURRENT AND VOLTAGE.
   ii. RATED OPEN CIRCUIT VOLTAGE.
   iii. RATED SHORT CIRCUIT CURRENT. THE RATING IS BASED ON THE GENERATION FACILITY NAMEPLATE RATING. HOWEVER, FOR INVERTER BASED SYSTEMS, INDICATE THE RATING OF THE GENERATION SOURCE ARRAY AND INVERTER.

K. THE GENERATOR (DG) ISOLATING DISCONNECT SWITCH SHALL BE EQUIPPED WITH AT LEAST:
   i. COVER/DOOR INTERLOCK MECHANISM PREVENTING OPENING OF THE COVER WITH THE DISCONNECT SWITCH IN THE 'ON' POSITION.
   ii. PAD-LOCKING PROVISION FOR THE SWITCH HANDLE IN THE 'OFF' POSITION.
   iii. PAD-LOCKING PROVISION FOR THE COVER USEABLE BY HYDRO OTTAWA TO PLACE A TAMPER PREVENTION SEAL.

L. 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 OBVIOUS 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 OBVIOUS 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
REV: 1 DATE: 2016-01-13 CHANGE: UPDATE NOTES UPDATE TITLE	JD	SMC	CSM
REV: 2 DATE: 2016-03-24 CHANGE: UPDATE NOTES	GM	SMC	CSM
REV: DATE: YYYY-MM-DD CHANGE:			

HydroOttawa
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PREP:	M. MALONEY
CHKD:	S. McNALLY (E.I.T.)
APPD:	C. MALONE P.Eng.
DATE:	2014-09-23
SCALE:	N.T.S. @ ANSI B

TITLE
ENGINEERING SPECIFICATION
ERF 120V/240V, 1PH, 3W, 400A TO 600A SECONDARY SERVICE WITH OFFSET METER SOCKET
CONSTRUCTION DETAIL

NO: **MCS0090** 1 OF 1 REV: 2