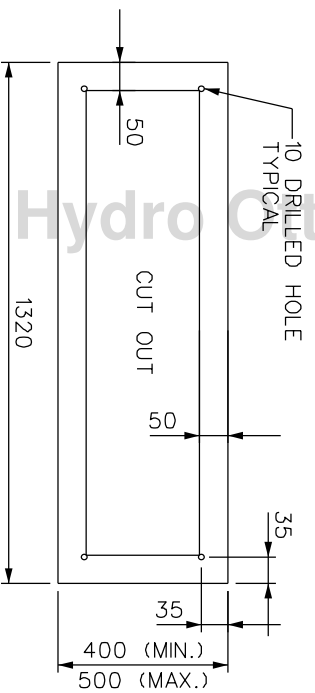
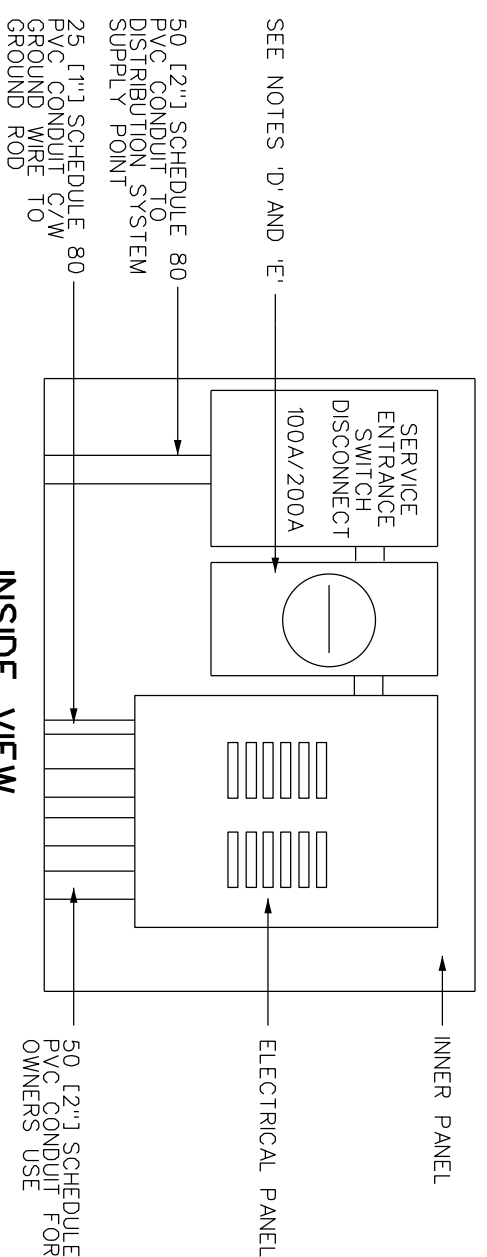


**ISOMETRIC VIEW**  
(SEE NOTE B)

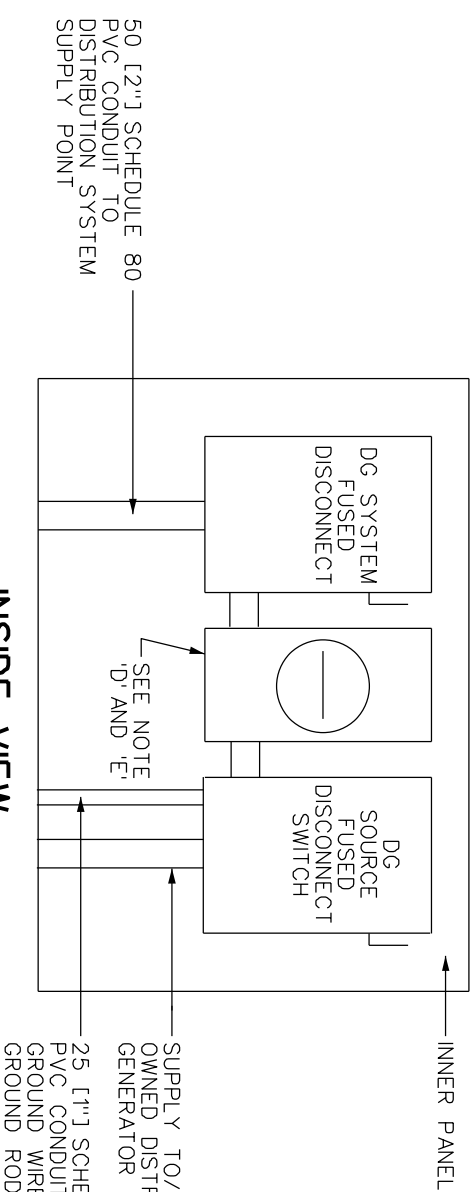


**BOTTOM VIEW**



**INSIDE VIEW**

**CONVENTIONAL EQUIPMENT LAYOUT (OPTION 1)**  
REFER TO HYDRO OTTAWA ENGINEERING SPECIFICATION MCS0018 FOR METER BASE WIRING DETAILS AND SPECIFICATION ECG0015 FOR ADDITIONAL INFORMATION.



**INSIDE VIEW**

**DISTRIBUTED GENERATION EQUIPMENT LAYOUT (OPTION 2)**  
REFER TO HYDRO OTTAWA ENGINEERING SPECIFICATION MCS0057 FOR WIRING DETAILS AND SPECIFICATION ECG0015 FOR ADDITIONAL INFORMATION.

- NOTES:**
- A. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
  - B. METERED DISCONNECT CABINETS MUST BE SUPPLIED COMPLETE WITH:
    - i. NEMA - 4 OR NEMA - 4X OUTDOOR ENCLOSURE.
    - ii. FORMED 14 AWG STEEL BODIES AND DOORS.
    - iii. PLANO HINGED DOORS.
    - iv. SECURE LATCHING SYSTEM.
    - v. DUAL-LOCKING SYSTEM WITH PADLOCKS WITH [3/8"] SHACKLE.
    - vi. SMOOTH CONTINUOUS WELDED SEAMS CONSTRUCTION.
    - vii. ENAMEL PAINTED OR STAINLESS STEEL.
    - viii. REMOVABLE INNER PANEL (16 GAUGE) C/W COLLAR STUD.
    - ix. CUT OUT AT BOTTOM AS PER BOTTOM VIEW.
    - x. GROUND STUD IN CABINET AND BONDING STUDS ON DOORS.
    - xi. THREE POINT DOOR LATCH.

- C. METERED DISCONNECT CABINETS WILL BE MOUNTED ON CONCRETE FOUNDATION SEE HYDRO OTTAWA SPECIFICATION MCS0035.
- D. FOR 120V/240V, 1-PHASE, <=200A SERVICES ONLY, USE KING SIZE C.S.A. APPROVED METER SOCKET BASE WITH MECHANICAL LUGS. REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008.
- E. FOR 3-PHASE, <=200A SERVICE ONLY, USE HYDRO OTTAWA APPROVED 7-JAW METER SOCKET BASE WITH ISOLATED NEUTRAL BLOCK AND MECHANICAL LUGS. REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008.
- F. MINIMUM OF 1000 [3'4"] OF CLEARANCE REQUIRED IN FRONT OF EDGE OF ENCLOSURE DOORS WHILE IN THEIR OPEN POSITION.
- G. OUTDOOR MOUNTED CONDUIT SHALL BE MINIMUM SCHEDULE 80 PVC CONDUIT.
- H. DG SOURCE FUSED DISCONNECT SHALL HAVE FACTORY INSTALLED OVER-CURRENT PROTECTION AS PER HYDRO OTTAWA SPECIFICATION GCS0008.

**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.

REV#	DATE	REVISIONS	PREP	CHKD	APPD
REV: 7	DATE: 2014-09-03	CHANGE: UPDATE NOTES	SK	SMC	CSM
REV: 8	DATE: 2014-12-29	CHANGE: UPDATE CONDUIT TO BE SCHEDULE 80 PVC	MM	SMC	CSM
REV: 9	DATE: 2016-02-05	CHANGE: UPDATED DIMENSIONS UPDATE TITLE	JD	SMC	CSM

		TITLE
www.hydroottawa.com		ENGINEERING SPECIFICATION
PREP: F. BOLO CHKD: C. CAMPBELL APPD: C. MALONE DATE: 2003-07-24 SCALE: N.T.S. @ ANSIB		ERF/COM 1PH OR 3PH, <=200A SERVICE PEDESTAL MOUNTED METERING CABINET CONSTRUCTION DETAIL
<b>MCS0043</b>		1 REV: 9