



NOTES:

- A. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
- B. FOR INSTALLATION DETAILS REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008 AND SPECIFICATIONS MCS0005 AND MCS0016 FOR METER BASE WIRING DETAILS.
- C. FOR 120V/240V, 1-PHASE, 3-WIRE, < 200A SUB-SERVICES ONLY, USE KING-SIZE C.S.A. APPROVED METER SOCKET BASES; REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008, TABLE 1. FOR 347V/600Y, 3-PHASE, 4-WIRE, < 200A SUB-SERVICES, USE HYDRO OTTAWA APPROVED 13-JAW METER SOCKET BASE; REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008, TABLE 5A.
- D. FOR 3-PHASE, < 200A SECONDARY SUB-SERVICE METERING, USE HYDRO OTTAWA APPROVED 7-JAW SOCKET METER BASE WITH FULL SIZE ISOLATED NEUTRAL TERMINAL BLOCK; REFER TO HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008, TABLE 5.
- E. SECONDARY SUB-SERVICE DISCONNECT AND METERING SOCKET BASES LABELLED WITH UNIT OR APARTMENT NUMBERS.
- F. METER SOCKET BASES SHALL BE MOUNTED A MINIMUM HEIGHT OF 1500 [5'1"] TO A MAXIMUM HEIGHT OF 1680 [5'6"] FROM THE CENTER LINE OF THE METER SOCKET BASE ABOVE THE FINISHED FLOOR LEVEL.
- G. DISCONNECTION SWITCH SHALL BE MOUNTED SUCH THAT THE TOP OF ITS ENCLOSURE SHALL BE NOT MORE THAN 1830 [6'1"] ABOVE FINISHED FLOOR LEVEL.
- H. DISCONNECTION SWITCH SHALL BE MOUNTED SUCH THAT THE TOP OF ITS ENCLOSURE SHALL BE NOT LESS THAN 1200 [4'] ABOVE FINISHED FLOOR LEVEL.
- I. EMT CONDUIT SHALL BE USED FOR INDOOR INSTALLATION.
- J. ALL METERING INSTALLED DOWN-STREAM, OR ON THE "SECONDARY" (LOW VOLTAGE) SIDE, OF THE CUSTOMER OWNED DRY-CORE TRANSFORMERS SHALL:
 - i. HAVE A "PUBLIC" METERED SERVICE INSTALLED.
 - ii. HAVE ALL METERED CUSTOMER OWNED DRY-CORE TRANSFORMER AND LINE LOSSES APPLIED TO THE "PUBLIC" SERVICE ACCOUNT.
- K. WHEN METERING IS REQUIRED FOR NETWORK SERVICES OF 120V/208Y, GROUND-ED-WYE CONNECTED, 2-PHASE WITH NEUTRAL CONDUCTOR, < 200A, IT SHALL HAVE A 7-JAW SOCKET BASE CONNECTED ON THE LOAD SIDE OF EACH CUSTOMER'S FUSED DISCONNECT.
- NOTE: NETWORK SERVICES ARE ONLY AVAILABLE IN APARTMENT BUILDINGS FOR USE WITH RESIDENTIAL SERVICES.
- L. NUMBER OF SECONDARY SUB-SERVICES SUBJECT TO ELECTRICAL SAFETY AUTHORITY (ESA) INSPECTION AND APPROVAL.
- M. MINIMUM OF 1500 [5'] OF CLEARANCE REQUIRED IN FRONT OF ALL METERING EQUIPMENT.
- N. DRY-CORE TRANSFORMER SHALL BE USED TO SUPPLY ONE OF 120V/240V 1-PHASE OR 120V/208Y 2-PHASE OR 3-PHASE SUB SERVICES. INDIVIDUAL SPLITTER TROUGH SHALL NOT BE USED TO PROVIDE SUPPLY TO SINGLE AND POLYPHASE SUB-SERVICES SIMULTANEOUSLY.
- O. INDIVIDUAL SPLITTER TROUGH SHALL NOT BE USED TO PROVIDE SUPPLY TO BOTH RESIDENTIAL SUB-SERVICES AND COMMERCIAL SUB-SERVICES SIMULTANEOUSLY.
- P. SERVICE ENTRANCE DISCONNECT TO BE SUPPLIED:
 - i. UP TO 200A: OVERHEAD
 - ii. UP TO 400A: UNDERGROUND
- Q. SECONDARY SUB SERVICE DISCONNECTS TO BE INSTALLED ON "LINE" SIDE OF METERING FOR COMMERCIAL SUB SERVICES; SUB SERVICE DISCONNECTS TO BE INSTALLED ON "LOAD" SIDE OF METERING FOR RESIDENTIAL SUB SERVICES.
- R. INSTRUMENTATION TRANSFORMERS AND 13-JAW METER SOCKET BASE REQUIRED FOR SERVICES > 200A.

REVISIONS		PREP	CHECK	APPROV
REV: CHANGE:	DATE: YYYY-MM-DD			
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 www.hydroottawa.com		PREP: G. MOLNAR P.Eng.
APPD: C. MALONE P.Eng.		DATE: 2016-03-24 SCALE: N.T.S. @ ANSIB

TITLE	ENGINEERING SPECIFICATION
NO:	COM/RES OH/UG 347V/600Y, 3PH 4W, <400A, WITH 120V/240V 1PH OR 120V/208Y 3PH DRY-CORE CONSTRUCTION DETAIL
REV:	1 OF 1
DATE:	0