

NOTES:

- A. REFER TO HYDRO OTTAWA METER SPECIFICATION GCS0008 AND TABLE 1 BELOW FOR HOL APPROVED METER BASE AND INSTALLATION DETAILS.
- B. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- C. PHASE CONDUCTORS TO MEET REQUIREMENTS OF TABLE 1 AND BE PULLED THROUGH METER BASE/CABINET WITH SUFFICIENT SLACK TO TERMINATE AT THE METERING INSTRUMENT TRANSFORMERS USING PROJECT SUPPLIED ONE HOLE LUG CONNECTORS.
- D. MECHANICAL OR COMPRESSION TYPE CONNECTORS SHALL BE SUPPLIED DEPENDING ON THE TYPE OF CONDUCTORS Cu OR AL. AL CONDUCTORS (INCLUDING COMPRESSION TYPE CONNECTORS) SHALL BE TERMINATED AT THE BAR TYPE CT'S BY THE PROJECT ELECTRICAL CONTRACTORS AND AS DIRECTED BY HYDRO METER TECH.
- E. RIGID PVC CONDUIT FOR OUTDOOR LOCATION C/W PVC EXPANSION COUPLING AS PER ONTARIO ELECTRICAL SAFETY CODE (OESC) OR EMT CONDUIT FOR INDOOR TYPE INSTALLATION.
- F. REFER TO MCS0105 FOR MINIMUM CLEARANCE IN FRONT OF METERING EQUIPMENT.

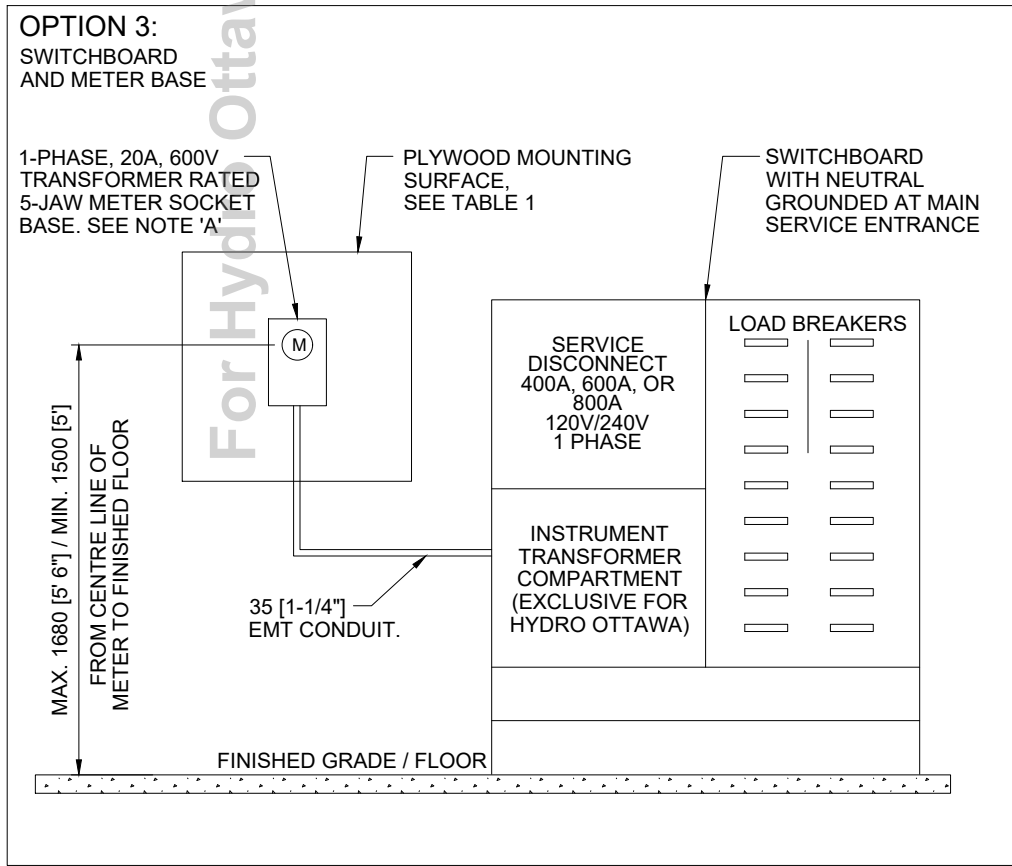


TABLE 1: HOL METERING REQUIREMENTS FOR COPPER CONDUCTOR INSTALLATION IN RACEWAY⁽¹⁾

OPTION	SERVICE RATING 120/240V	INSTRUMENT TRANSFORMER CABINET	MAX CONDUCTOR SIZE	HOL APPROVED METER BASE	15.5-18.5 PLYWOOD MOUNTING BOARD ⁽²⁾
#1	225 TO 400A	N/A	GCS0008 TABLE 3	GCS0008 TABLE 3	900 x 900 [36" x 36"]
#2	225 TO 400A	900 x 900 x 300 [36" x 36" x 12"]	GCS0008 TABLE 6 ⁽¹⁾	GCS0008 TABLE 4	
	>400 TO 600A ⁽³⁾	1200 x 1200 x 300 ⁽¹⁾ [48" x 48" x 12"]			
#3	400 TO 800A ⁽³⁾	N/A	OESC		

(1) FOR COPPER FREE AIR RATED OR ALUMINUM CONDUCTOR INSTALLATION, REFER TO GCS0008 TABLE 6A OR 6B.
 (2) FIRE RETARDANT TREATED PLYWOOD WITH PROPER STAMP LABEL, OR PLYWOOD COVERED ON ALL SIDES WITH FIRE RETARDANT COATING TO PROVIDE A MAXIMUM FLAME SPREAD RATING OF 25 (CLASS A) IN ACCORDANCE WITH CAN/ULC - S102.
 (3) NOT AVAILABLE FROM HYDRO OTTAWA POLE MOUNTED TRANSFORMER AND/OR DOWNTOWN SHARED VAULT INSTALLATION.

REVISIONS			PREP	CHKD	APPD	 TITLE ENGINEERING SPECIFICATION COM 120V/240V, 1PH, 3W, 225A TO 800A TRANSFORMER RATED SERVICE CONSTRUCTION DETAIL	
REV: 1	DATE: 2022-06-06	CHANGE: MINOR CHANGES TO TEXT	LS	PL	RH		PREP: E. VEH CHKD: P. LEMAY
REV: 2	DATE: 2022-09-02	CHANGE: REVISE TO INCLUDE 800A SERVICE REQUIREMENTS	LS	PL	RH		
REV:	DATE:	CHANGE:					NO:
						MCS0137	1 OF 1 REV: 2