



NOTES:

- A. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
- B. INSTALLATION SHALL MEET ONTARIO ELECTRICAL SAFETY CODE AND HYDRO OTTAWA REQUIREMENTS.
- C. REFER TO HYDRO OTTAWA SPECIFICATIONS, GCS0008, MCS0020, MCS0023, AND MCS0055, MCS0020, FOR DETAILS ON MCMU INSTALLATION REQUIREMENTS FOR NEW BUILDINGS.
- D. THE SECONDARY ELECTRICAL ROOM(S) SHALL HAVE A MINIMUM CEILING HEIGHT OF 2130 [7'] WITH ADEQUATE LIGHTING AT THE WORKING LEVEL, IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IES) STANDARDS AND BE A HEATED ROOM. THE MINIMUM REQUIRED WALL SPACE FOR THE MCMU EQUIPMENT IN AN ELECTRICAL ROOM WITHOUT COMMUNICATION EQUIPMENT SHALL BE 1800 [6'] WIDE CONTIGUOUS WALL SPACE WITH A CLEAR, SAFE AND ADEQUATE WORKING SPACE.
- E. EACH MCMU PANEL SHALL BE POWERED FROM THE SAME DISTRIBUTION PANEL AS THE SUITES. THE MCMU IS METERING. A SEPARATE BREAKER, DEDICATED TO THE MCMUS, SHALL BE INSTALLED IN THE DISTRIBUTION PANEL COMPLETE WITH LOCKING PROVISIONS IN BOTH THE ON AND OFF POSITIONS, WHILE LOCKED IN THE ON POSITION, THE LOCKING PROVISION SHALL ALLOW FOR TRIP FREE OPERATION.
- F. EACH MCMU SHALL BE LOCATED IN THE SAME ROOM AS THE DISTRIBUTION PANEL THE MCMU IS ASSOCIATED WITH FOR THE INDIVIDUAL SUITES.
- G. THE DISTRIBUTION PANEL SHALL BE RATED FOR SERVICE ENTRANCE C/W/ LOCKABLE MAIN SWITCH; ALTERNATIVELY, A SEPARATE LOCKABLE DISCONNECT SWITCH IMMEDIATELY BEFORE AND WITHIN THE SAME ELECTRICAL ROOM AS THE OVERSIZED DISTRIBUTION PANEL EQUIPPED WITH MCMU EQUIPMENT WILL ALSO BE ACCEPTABLE.
- H. MINIMUM OF 1000 [3' 4"] OF CLEARANCE REQUIRED IN FRONT OF ALL METERING EQUIPMENT AND EDGE OF OPERABLE DOOR(S) OF ENCLOSURES) WHILE IN THEIR OPEN POSITION.
- I. SHALL PROCURE APPROPRIATELY SIZED DISTRIBUTION PANEL WITH SUFFICIENT SPACE ALLOWING FOR MOUNTING ALL NECESSARY MA CURRENT TRANSFORMERS THE PANEL SHALL BE ABLE TO PASS ESA FREE SPACE REQUIREMENTS WITH ALL CURRENT TRANSFORMERS INSTALLED. AT A MINIMUM, THE DISTRIBUTION PANEL CABLE CHANNELS SHALL HAVE A WIDTH OF 250 [10"] BETWEEN THE CIRCUIT BREAKER MOUNTING RAILS AND THE SIDE OF THE DISTRIBUTION PANEL FOR MOUNTING THE MA CURRENT TRANSFORMERS. SUB-SERVICE BREAKERS SHALL BE LOCKABLE, WITH A STANDARD HYDRO OTTAWA PADLOCK, IN THE 'OPEN' POSITION AS PER HYDRO OTTAWA SPECIFICATION GCS0008.
- J. 13 [1/2"] EMT ON PVC CONDUIT OR BX CABLE INSTALLED BY HYDRO OTTAWA APPROVED CONTRACTOR.

REV:	DATE:	REVISIONS	PREP	CHKD	APPD	TITLE
REV: 1	DATE: 2014-09-20	CHANGE: UPDATE NOTES AND DIMENSIONS	SK	SMC	CSM	<p>ENGINEERING SPECIFICATION RES MCMU INDIVIDUAL MULTI CUSTOMER METERING SYSTEMS WIRING FOR ELECTRICAL WITHOUT CONSTRUCTION DETAIL</p>
REV: 2	DATE: 2016-03-24	CHANGE: UPDATE DIMENSIONS UPDATE TITLE	JD	SMC	CSM	
REV:	DATE: YYYY-MM-DD	CHANGE:				

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PREP: F. BOLO
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 DATE: 2011-04-05
 SCALE: N.T.S. @ ANSIB

NO: MCS0059

REV: 1 OF 1
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