



**NOTES:**

- A. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
- B. INSTALLATION SHALL MEET ONTARIO ELECTRICAL SAFETY CODE (OESC) AND HYDRO OTTAWA REQUIREMENTS.
- C. REFER TO HYDRO OTTAWA SPECIFICATIONS GCS0008, MCS0020, MCS0023, AND MCS0055 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 WITH COMMUNICATION EQUIPMENT SHALL BE 3000 [10'] 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 MCMU(S), 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 ENCLOSURE(S) WHILE IN THEIR OPEN POSITION.
- I. SHALL PROCURE APPROPRIATELY SIZED DISTRIBUTION PANEL WITH SUFFICIENT SPACE TO MOUNT ALL NECESSARY MAIN 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 TRANSFORMERS. SUB-SERVICE BREAKERS SHALL BE LOCKABLE, WITH A STANDARD HYDRO OTTAWA PAD-LOCK, IN THE OPEN POSITION AS PER HYDRO OTTAWA SPECIFICATION GCS0008.
- J. A 510 X 1000 X 16 [20" X 40" X 5/8"] OR 510 X 1000 X 19 [20" X 40" X 3/4"] PLYWOOD MOUNTING BOARD COATED ON ALL SIDES WITH FIRE RETARDANT PAINT SHALL BE INSTALLED. THE GRAY FIRE RETARDANT COATING SHALL PROVIDE A MAXIMUM FLAME SPREAD RATING OF 25 (CLASS A) IN ACCORDANCE WITH STANDARD CAN/ULC-5102. EXCLUSIVE FOR HYDRO OTTAWA. INSTALLED BY OTHERS.
- K. A 510 X 510 X 16 [20" X 20" X 5/8"] OR 510 X 510 X 19 [20" X 20" X 3/4"] PLYWOOD MOUNTING BOARD COATED ON ALL SIDES WITH FIRE RETARDANT PAINT AS PER NOTE 'J'.
- L. 13 [1/2"] EMT OR PVC CONDUIT OR BX CABLE. INSTALLED BY HYDRO OTTAWA APPROVED CONTRACTOR.

REVISIONS		PREP	CHKD	APPD	TITLE
REV: 1	DATE: 2014-09-03	SK	SMC	CSM	ENGINEERING SPECIFICATION RES MCMU INDIVIDUAL MULTI CUSTOMER METERING SYSTEMS CUSTOMER METERING WIRING FOR COMMUNICATION ROOMS WITH ELECTRICAL EQUIPMENT CONSTRUCTION DETAIL
CHANGE: GENERAL UPDATE					
REV: 2	DATE: 2016-03-24	JD	SMC	CSM	MCS0060
CHANGE: UPDATE DIMENSIONS UPDATE TITLE ADDED NOTES 'J', 'K', AND 'L'					
REV: CHANGE:	DATE: YYYY-MM-DD				NO: 1
					REV: 2