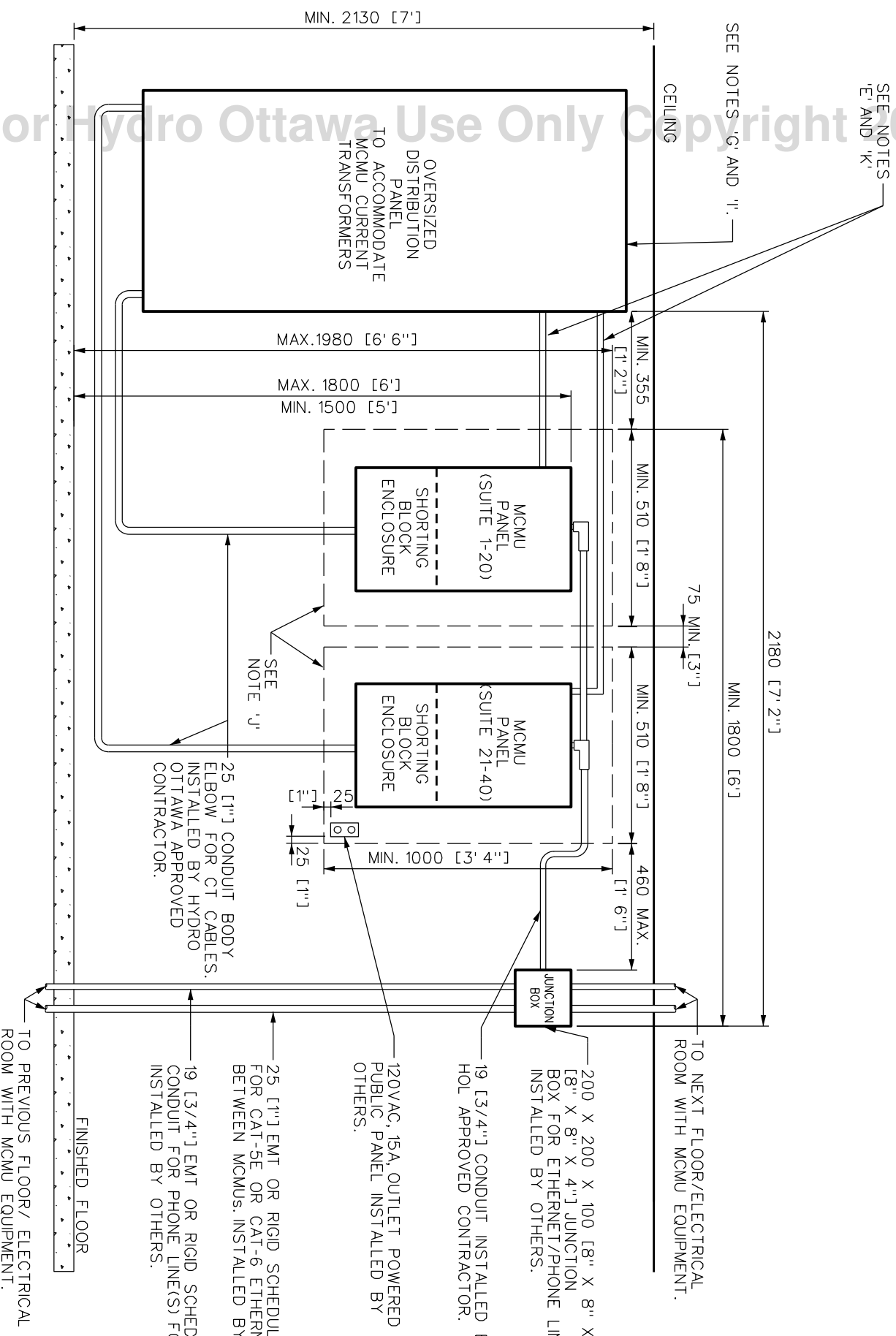


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SEE NOTES 'E' AND 'K'

SEE NOTES 'G' AND 'I'

OVERSIZED DISTRIBUTION PANEL TO ACCOMMODATE MCMU CURRENT TRANSFORMERS

MAX. 1980 [6' 6"]
MAX. 1800 [6']
MIN. 1500 [5']

MCMU PANEL (SUITE 1-20)
SHORTING BLOCK ENCLOSURE

MCMU PANEL (SUITE 21-40)
SHORTING BLOCK ENCLOSURE

25 [1"] CONDUIT BODY ELBOW FOR CT CABLES. INSTALLED BY HYDRO OTTAWA APPROVED CONTRACTOR.

200 X 200 X 100 [8" X 8" X 4"] JUNCTION BOX FOR ETHERNET/PHONE LINE LOOPS. INSTALLED BY OTHERS.
19 [3/4"] CONDUIT INSTALLED BY HOI APPROVED CONTRACTOR.
120VAC, 15A OUTLET POWERED BY PUBLIC PANEL INSTALLED BY OTHERS.
25 [1"] EMT OR RIGID SCHEDULE 80 PVC CONDUIT FOR CAT-5E OR CAT-6 ETHERNET CABLING BETWEEN MCMUs. INSTALLED BY OTHERS.

TO NEXT FLOOR/ELECTRICAL ROOM WITH MCMU EQUIPMENT.
TO PREVIOUS FLOOR/ ELECTRICAL ROOM WITH MCMU EQUIPMENT.

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.
- 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 2290 [7' 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 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 1000 [3' 4"] CLEARANCE REQUIRED IN FRONT OF ALL REVENUE METERING EQUIPMENT AND EDGE OF OPERABLE DOOR(S) OF ENCLOSURE(S) WHILE IN THEIR OPEN POSITION.
- I. CUSTOMER SHALL PROCURE APPROPRIATELY SIZED DISTRIBUTION PANELS WITH SUFFICIENT SPACE ALLOWING FOR MOUNTING 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 THE MAIN 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. A 510 X 1000 X 16 [20" X 40" X 5/8"] OR 510 X 100 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. 13 [1 1/2"] EMT OR PVC CONDUIT OR BX CABLE. INSTALLED BY HYDRO OTTAWA APPROVED CONTRACTOR.

REVISIONS	DATE	PREP	CHKD	APPD	TITLE
REV: 1 CHANGE: UPDATED NOTES AND DIMENSIONS	DATE: 2014-09-03	SK	SMC	CSM	ENGINEERING SPECIFICATION RES MCMU COMMUNICATION WIRING FOR ELECTRICAL ROOMS WITHOUT COMMUNICATIONS EQUIPMENT
REV: 2 CHANGE: UPDATE DIMENSIONS	DATE: YYYY-MM-DD	JD	SMC	CSM	
REV: 1 CHANGE: UPDATE TITLE	DATE: YYYY-MM-DD				CONSTRUCTION DETAIL
<p>www.hydroottawa.com</p>					NO.
<p>PREP: F. BOLO CHKD: R. WILLIAMS APPD: C. MALONE DATE: 2011-04-05 SCALE: N.T.S. @ ANSIB</p>					1 OF 1
<p>MCS0061</p>					2