



This drawing must not be scaled. The contractors shall verify all dimensions and other data on site prior to commencement of work. Discrepancies, errors, and omissions are to be reported to the Architect prior to proceeding with the Work.

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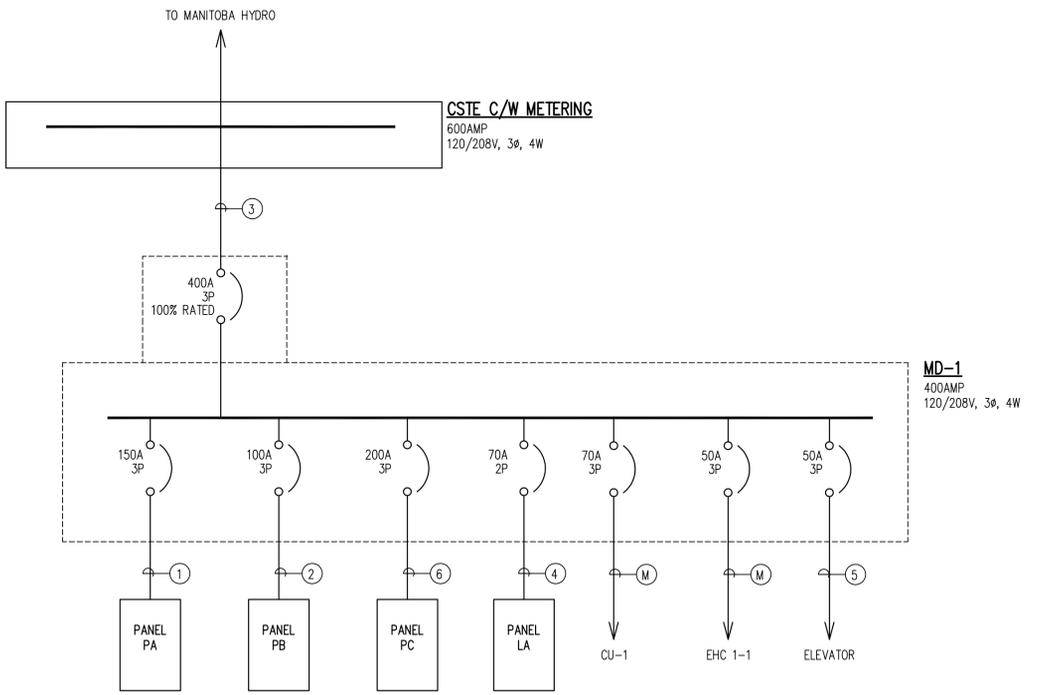
Project
St. John's Library Renovation

Drawing
SYMBOL LEGEND

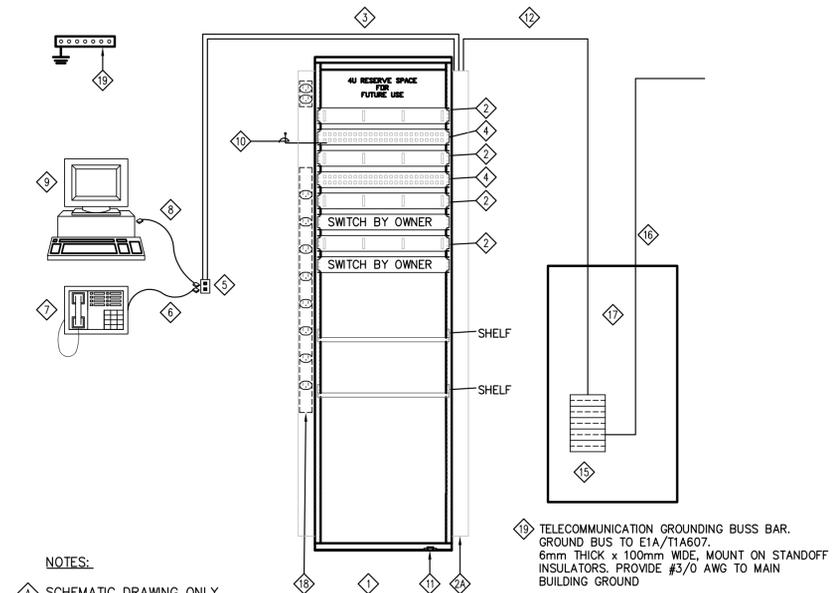
Drawn By LO	Reviewed By DG
Scale 1:50	Drawing No. E1.0
Date 2017.05.02	Revision No. 1503b

ELECTRICAL SYMBOL LEGEND		ELECTRICAL DRAWING LIST																																			
<p>NOTE: NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECESSARILY USED ON THIS PROJECT.</p> <p>LIGHTING</p> <p>LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED. HATCHING DENOTES CONNECTED TO EMERGENCY/NIGHT LIGHTING CIRCUIT</p> <p>CEILING MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED</p> <p>WALL MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED</p> <p>DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING REMOTE HEADS, TYPE 'BU-1' INDICATES BATTERY BANK FED FROM</p> <p>EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS, TYPE 'BU-1' AS SPECIFIED.</p> <p>WALL MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. 'BU-1' INDICATES BATTERY UNIT FED FROM.</p> <p>WALL MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.</p> <p>CEILING MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.</p> <p>COMBINATION CEILING MOUNTED SINGLE FACED EXIT LIGHT, DIRECTIONAL ARROWS & DOUBLE REMOTE HEAD AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.</p> <p>EQUIPMENT CONNECTIONS AND CONTROLS</p> <p>DIRECT CONNECTION - 120 OR 208V AS SPECIFIED</p> <p>MOTOR CONNECTION C/W UNFUSED DISCONNECT SWITCH</p> <p>POWER ACTIVATED DOOR EXIT BUTTON SUPPLIED BY DOOR HARDWARE SUPPLIER, WIRED BY ELECTRICAL</p> <p>RECESSED MOUNTED ELECTRICAL PANEL - 'SP' DENOTES PANEL DESIGNATION</p> <p>SURFACE MOUNTED ELECTRICAL PANEL - 'SP' DENOTES PANEL DESIGNATION</p> <p>LIGHTING CONTROL</p> <p>ONE, TWO AND THREE GANG SINGLE POLE TOGGLE SWITCHES</p> <p>SWITCH MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED</p> <p>CEILING MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED</p> <p>DIMMER SWITCH, TYPE 'A' AS SPECIFIED</p> <p>SECURITY AND ACCESS SYSTEMS</p> <p>MOTION DETECTING</p> <p>DOOR CONTACT</p> <p>ROUGH IN FOR CCTV</p>		<p>FIRE ALARM SYSTEM</p> <p>PULL STATION</p> <p>HORN STROBE</p> <p>AUTOMATIC COMBINATION FIXED TEMPERATURE/RATE OF RISE HEAT DETECTOR - CEILING MOUNTED</p> <p>CO DETECTOR C/W SOUNDER BASE</p> <p>SMOKE DETECTOR - CEILING MOUNTED</p> <p>GENERAL POWER</p> <p>15A, U-GROUND DUPLEX RECEPTACLE</p> <p>20A, U-GROUND DUPLEX RECEPTACLE</p> <p>15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - MOUNTED ABOVE COUNTER</p> <p>(5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER</p> <p>15A, U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE</p> <p>MISCELLANEOUS</p> <p>INDICATES EXISTING DEVICE TO REMAIN</p> <p>INDICATES EXISTING DEVICE TO BE MOVED</p> <p>INDICATES EXISTING DEVICE IN RELOCATED POSITION</p> <p>INDICATES EXISTING DEVICE TO BE DEMOLISHED</p> <p>INDICATES CONDUIT</p> <p>ELECTRICAL DRAWING NOTES</p> <p>COMMUNICATIONS</p> <p>COMBINATION VOICE/DATA OUTLET - WALL MOUNTED</p> <p>TELEPHONE OUTLET - FLUSH FLOOR MOUNTED</p> <p>ELECTRIC HEATING</p> <p>RECESSED MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'FFH' AS SPECIFIED</p> <p>ELECTRIC BASEBOARD HEATER, TYPE 'BB' AS SPECIFIED</p>																																			
		<p>E1.0 ELECTRICAL SYMBOL LEGEND & DRAWING LIST</p> <p>E1.1 SITE PLAN - ELECTRICAL RENOVATION LAYOUT</p> <p>ED2.0 BASEMENT - ELECTRICAL DEMOLITION LAYOUT</p> <p>ED2.1 MAIN FLOOR - ELECTRICAL DEMOLITION LAYOUT</p> <p>EL2.0 BASEMENT - ELECTRICAL LIGHTING RENOVATION LAYOUT</p> <p>EL2.1 MAIN FLOOR - ELECTRICAL LIGHTING RENOVATION LAYOUT</p> <p>EP2.0 BASEMENT - ELECTRICAL POWER & SYSTEMS RENOVATION LAYOUT</p> <p>EP2.1 MAIN FLOOR - ELECTRICAL POWER & SYSTEMS RENOVATION LAYOUT</p> <p>E5.0 PANELBOARD SCHEDULES</p>																																			
		<p>ABBREVIATIONS</p> <table border="0"> <tr> <td>AFF - ABOVE FINISHED FLOOR</td> <td>MIC - MICROWAVE</td> </tr> <tr> <td>AFG - ABOVE FINISHED GRADE</td> <td>MV - EXISTING TO BE MOVED</td> </tr> <tr> <td>BB - BASEBOARD HEATER</td> <td>MW - MOUNTED IN MILLWORK</td> </tr> <tr> <td>BU - BATTERY UNIT</td> <td>NIC - NOT IN CONTRACT</td> </tr> <tr> <td>CH - CHILDPROOF</td> <td>NL - NIGHT LIGHT</td> </tr> <tr> <td>CP - COPY MACHINE</td> <td>NTS - NOT TO SCALE</td> </tr> <tr> <td>CSTE - CUSTOMER SERVICE TERMINATION ENCLOSURE</td> <td>PA - PUBLIC ADDRESS</td> </tr> <tr> <td>D - DELETE</td> <td>PR - PRINTER</td> </tr> <tr> <td>E - EXISTING</td> <td>QP - QUAD PLEX</td> </tr> <tr> <td>FA - FIRE ALARM</td> <td>R - RELOCATE(D)</td> </tr> <tr> <td>FC - FAN COIL (WHEN USED WITH MOTOR SYMBOL)</td> <td>TYP - TYPICAL</td> </tr> <tr> <td>FF - FORCE FLOW</td> <td>UC - UNDER COUNTER</td> </tr> <tr> <td>FR - FRIDGE</td> <td>WG - WIRE GUARD</td> </tr> <tr> <td>FX - FAX MACHINE</td> <td>WP - WEATHERPROOF</td> </tr> <tr> <td>MD - MAIN DISTRIBUTION</td> <td>TP - CHILD PROOF</td> </tr> <tr> <td>MFC - MULTI-FUNCTION COPIER</td> <td></td> </tr> <tr> <td>USB - DUPLEX RECEPTACLE C/W USB CHARGING PORT</td> <td></td> </tr> </table> <p>BRANCH CIRCUITING LEGEND</p> <p>2EP1-3 - '3' - DENOTES CIRCUIT NUMBER</p> <p>'P1' - DENOTES LOCATION OF PANEL (P1 LEVEL)</p> <p>'E' - DENOTES EMERGENCY PANEL</p> <p>'2' - DENOTES 120/208V OR</p> <p>'6' - DENOTES 347/600V</p>		AFF - ABOVE FINISHED FLOOR	MIC - MICROWAVE	AFG - ABOVE FINISHED GRADE	MV - EXISTING TO BE MOVED	BB - BASEBOARD HEATER	MW - MOUNTED IN MILLWORK	BU - BATTERY UNIT	NIC - NOT IN CONTRACT	CH - CHILDPROOF	NL - NIGHT LIGHT	CP - COPY MACHINE	NTS - NOT TO SCALE	CSTE - CUSTOMER SERVICE TERMINATION ENCLOSURE	PA - PUBLIC ADDRESS	D - DELETE	PR - PRINTER	E - EXISTING	QP - QUAD PLEX	FA - FIRE ALARM	R - RELOCATE(D)	FC - FAN COIL (WHEN USED WITH MOTOR SYMBOL)	TYP - TYPICAL	FF - FORCE FLOW	UC - UNDER COUNTER	FR - FRIDGE	WG - WIRE GUARD	FX - FAX MACHINE	WP - WEATHERPROOF	MD - MAIN DISTRIBUTION	TP - CHILD PROOF	MFC - MULTI-FUNCTION COPIER		USB - DUPLEX RECEPTACLE C/W USB CHARGING PORT	
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TYPE	DESCRIPTION	AMPACITY
1	4 #1/0 RW90 IN 53mm C	150
2	4 #3 RW90 IN 35mm C	100
3	2X (4#3/0 RW90 IN 53mm C AS PER DIAGRAM D11, DETAIL 2, TABLE 2)	400
4	4#4/0 RW90 IN A 63MM C.	200
5	3C #8 MI	50
M	REFER TO MOTOR SCHEDULE	100



1 SINGLE LINE DIAGRAM
E1.0 SCALE: NTS



NOTES:

SCHEMATIC DRAWING ONLY

EQUIPMENT SHOWN IS TYPICAL. SEE DRAWINGS AND SPECIFICATIONS FOR DETAILS.

CABLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ITEMS EXCEPT THOSE MARKED "BY OWNER" OR "EXISTING".

2 DATA RACK DETAIL
E1.0 SCALE: NTS

- 1 NEW RACK FOR WORKSTATION CABLING
- 2 2U HORIZONTAL WIRE MANAGEMENT GUIDE C/W HINGED FRONT COVERS
- 3 4" VERTICAL WIRE MANAGEMENT
- 4 WORKSTATION HORIZONTAL CABLE - UTP CAT 6
- 5 HORIZONTAL CABLING PATCH PANEL - CAT 6 - 48 PORT
- 6 COMMUNICATION OUTLET
- 7 LINE CORD - CAT 3 PATCH CABLE (BY OWNER)
- 8 TELEPHONE (BY OWNER)
- 9 PATCH CORD - CAT 6 - PROVIDE 50% OF TOTAL DROPS
- 10 PC (BY OWNER)
- 11 PATCH CORD - CAT 6 - PROVIDE 100% OF TOTAL DROPS
- 12 GROUND LUG, #6 AWG GREEN GROUND WIRE TO SUITABLE GROUNDING POINT
- 13 CABLE TO PBX OUT TIE 1 x 25 PAIR CAT 3
- 14 NOT USED
- 15 NOT USED
- 16 EXISTING TELECOMMUNICATION SUPPLIER DEMARC. DEMARC.
- 17 TELECOMMUNICATION BUILDING ENTRANCE CONDUIT EXISTING
- 18 EXISTING BACKBOARD
- 19 PROVIDE 6"-0" WIREMOLD POWER STRIP TO LEFT HAND REAR VERTICAL -INSULATE FROM FRAME