

LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER	CATALOGUE NUMBER	LAMPS	WATTS	LUMINAIRE STYLE	VOLTAGE	COMMENTS
A	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE, IP20 DRY LOCATION RATED LED CIRCUIT STRIP. STRIP CAN BE CUT EVERY TWO INCHES. MINIMUM 1800 LUMENS PER METER. STRIP BACK TO BE COMPLETE WITH TWO SIDED TAPE. LUMINAIRE TO BE C/W SURFACE MOUNT 45' ANODIZED ALUMINUM CHANNEL AND FROSTED POLYCARBONATE LENS. MINIMUM CHANNEL LENGTH TO BE 2400mm. MAXIMUM CHANNEL WIDTH TO BE 19mm. CHANNELS AND LENSES TO BE STAGGERED UPON INSTALLATION. POWER SUPPLY TO BE 24VDC, 300W MAGNETIC LOW VOLTAGE DIMMABLE.		LED 3000K CRI - 81	18W/M	SURFACE MOUNTED ON CEILING/WALL (NO CROWN MOULDING)	120V/1Ø	
B	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE, IP20 DRY LOCATION RATED LED CIRCUIT STRIP. STRIP CAN BE CUT EVERY TWO INCHES. MINIMUM 1800 LUMENS PER METER. STRIP BACK TO BE COMPLETE WITH TWO SIDED TAPE. LUMINAIRE TO BE C/W SURFACE MOUNT 45' ANODIZED ALUMINUM CHANNEL AND FROSTED POLYCARBONATE LENS. MINIMUM CHANNEL LENGTH TO BE 2400mm. MAXIMUM CHANNEL WIDTH TO BE 19mm. CHANNELS AND LENSES TO BE STAGGERED UPON INSTALLATION. POWER SUPPLY TO BE 24VDC, 300W MAGNETIC LOW VOLTAGE DIMMABLE.		LED 3000K CRI - 81	18W/M	SURFACE MOUNTED ON WALL (BENEATH MOULDING)	120V/1Ø	
C	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE, IP20 DRY LOCATION RATED LED CIRCUIT STRIP. STRIP CAN BE CUT EVERY TWO INCHES. MINIMUM 1800 LUMENS PER METER. STRIP BACK TO BE COMPLETE WITH TWO SIDED TAPE. LUMINAIRE TO BE C/W SURFACE MOUNT ANODIZED ALUMINUM CHANNEL AND FROSTED POLYCARBONATE LENS. MINIMUM CHANNEL LENGTH TO BE 2400mm. MAXIMUM CHANNEL WIDTH TO BE 19mm. CHANNELS AND LENSES TO BE STAGGERED UPON INSTALLATION. POWER SUPPLY TO BE 24VDC, 300W MAGNETIC LOW VOLTAGE DIMMABLE.		LED 3000K CRI - 81	18W/M	LINEAR LIGHTING MOUNTED BELOW OVERHANG	120V/1Ø	
E1	LUMACELL	LT-X-G-10	TRITUM		PICTOGRAM TYPE EGRESS SIGNAGE		
	EMERGITITE	ET-X-G-10					
	READYLITE	RT-X-G-10					
F	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE, IP68 WET LOCATION RATED LED CIRCUIT STRIP. STRIP CAN BE CUT EVERY TWO INCHES. MINIMUM 1800 LUMENS PER METER. STRIP BACK TO BE COMPLETE WITH TWO SIDED TAPE. LUMINAIRE TO BE C/W SURFACE MOUNT IP67 ANODIZED ALUMINUM CHANNEL AND FROSTED POLYCARBONATE LENS. MINIMUM CHANNEL LENGTH TO BE 2400mm. MAXIMUM CHANNEL WIDTH TO BE 26mm. CHANNELS AND LENSES TO BE STAGGERED UPON INSTALLATION. POWER SUPPLY TO BE 24VDC, 300W MAGNETIC LOW VOLTAGE DIMMABLE.		LED 3000K CRI - 81	18W/M	MOUNTED IN STAIR RAILING	120V/1Ø	
G	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE, IP68 WET LOCATION RATED LED CIRCUIT STRIP. STRIP CAN BE CUT EVERY TWO INCHES. MINIMUM 1800 LUMENS PER METER. STRIP BACK TO BE COMPLETE WITH TWO SIDED TAPE. LUMINAIRE TO BE C/W RECESSED MOUNT IP67 ANODIZED ALUMINUM CHANNEL AND FROSTED POLYCARBONATE, UV COATED LENS. MINIMUM CHANNEL LENGTH TO BE 2400mm. MAXIMUM CHANNEL WIDTH TO BE 26mm. CHANNELS AND LENSES TO BE STAGGERED UPON INSTALLATION. POWER SUPPLY TO BE 24VDC, 300W MAGNETIC LOW VOLTAGE DIMMABLE.		LED 3000K CRI - 81	18W/M	RECESSED IN HAND RAIL	120V/1Ø	
H	MP LIGHTING	L08-2-W30S-D-A-S-6-MA	LED 3000K CRI - 80	2.5W	RECESSED IN GRADE	120V/1Ø	
	LUMIERE	650-2-6LED-30-12-12-CS		6.0W			
	ZANEEN	L9133301.06		3.0W			
J	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE, IP20 DRY LOCATION RATED LED CIRCUIT STRIP. STRIP CAN BE CUT EVERY TWO INCHES. MINIMUM 1800 LUMENS PER METER. STRIP BACK TO BE COMPLETE WITH TWO SIDED TAPE. LUMINAIRE TO BE C/W RECESSED MOUNT ANODIZED ALUMINUM CHANNEL AND FROSTED POLYCARBONATE LENS. MINIMUM CHANNEL LENGTH TO BE 2400mm. MAXIMUM CHANNEL WIDTH TO BE 19mm. CHANNELS AND LENSES TO BE STAGGERED UPON INSTALLATION. POWER SUPPLY TO BE 24VDC, 300W MAGNETIC LOW VOLTAGE DIMMABLE.		LED 3000K CRI - 81	18W/M	RECESSED MOUNTED ON CEILING/WALL (NO CROWN MOULDING)	120V/1Ø	
K	COOPER METALUX	4VT2-LD4-4-DR-UNV-L835-WL-SSL-U	LED 3000K CRI - 85	38W	SURFACE MOUNT VAPOUR TIGHT	120V/1Ø	
	HE WILLIAMS	96-4-L40-830-WET/2-SSLATCH-DRV-120		40W			
	PHILIPS DAY-BRITE	D-W-A-E-43L-830-4-UNV		32W			

- NOTES:
- ALL LUMINAIRES TO BE CSA APPROVED.
  - ALL DRIVER CUTSHEETS MUST BE INCLUDED WITH EACH LUMINAIRE SHOP DRAWING.
  - PROVIDE ALL REQUIRED MOUNTING KITS/HARDWARE FOR ALL CEILING/WALL TYPES.
  - ELECTRICAL CONTRACTOR TO SUBMIT ENTIRE INSTALLATION TO MANITOBA HYDRO POWER SMART ON BEHALF OF PWGSC. ENTIRE REBATE TO BE MADE PAYABLE TO PWGSC.

ELECTRIC HEATER SCHEDULE										
TYPE	STYLE	MANUFACTURER	CATALOGUE NUMBER	FINISH	MOUNTING	HEATING ELEMENT WATTAGE	VOLTAGE	CIRCUIT	ADDITIONAL INFORMATION	
ECH-1	ELECTRIC COVE HEATER	OUELLET	ORC0452	WHITE	WALL MOUNT	450W	120V/1Ø	BH-P2A-1	ROOM B5b	
		Q-MARK	RCC4508C							
		DIMPEX	918U00450B							
ECH-2	ELECTRIC COVE HEATER	OUELLET	ORC0452	WHITE	WALL MOUNT	450W	120V/1Ø	BH-P2A-2	ROOM B5b	
		Q-MARK	RCC4508C							
		DIMPEX	918U00450B							
ECH-3	ELECTRIC COVE HEATER	OUELLET	ORC0452	WHITE	WALL MOUNT	450W	120V/1Ø	BH-P2A-3	ROOM B5b	
		Q-MARK	RCC4508C							
		DIMPEX	918U00450B							
BH-UH-1 FL-UH-1 MH-UH-1	ELECTRIC UNIT HEATER	OUELLET	OAT5000T	ALMOND	WALL MOUNT	3750W/4000W	208V/1Ø	VARIOUS	BIG HOUSE SPRINKLER TREE ROOM FUR LOFT SPRINKLER TREE ROOM MEN'S HOUSE SPRINKLER TREE ROOM	
		Q-MARK	EUH04B21T							
		REZNOR	EGW-5							

EMERGENCY LIGHTING BATTERY BANK SCHEDULE FOR MEN'S HOUSE AND FURLOFT							
TYPE	MANUFACTURER	CATALOGUE NUMBER	WATTAGE	CIRCUIT NUMBER	LOCATION	LAMPS	
EBB-FL-1	LUMACELL	RG12NX-108-2-LD9-CW1	108W	FL-P2A-9	FURLOFT BASEMENT	2x5W MR16 LED	
	EMERGI-LITE	12NXM-W-108-CW1/2-LI					
	READYLITE	LDX12-108-NM-2-LD9-CW1					
EBB-FL-2	LUMACELL	RG12NX-108-2-LD9-CW1	108W	FL-P2A-10	FURLOFT MAIN FLOOR	2x5W MR16 LED	
	EMERGI-LITE	12NXM-W-108-CW1/2-LI					
	READYLITE	LDX12-108-NM-2-LD9-CW1					
EBB-FL-3	LUMACELL	RG12NX-108-2-LD9-CW1	108W	FL-P2A-11	FURLOFT SECOND FLOOR	2x5W MR16 LED	
	EMERGI-LITE	12NXM-W-108-CW1/2-LI					
	READYLITE	LDX12-108-NM-2-LD9-CW1					
EBB-FL-4	LUMACELL	RG12NX-108-2-LD9-CW1	108W	FL-P2A-12	FURLOFT ATTIC	2x5W MR16 LED	
	EMERGI-LITE	12NXM-W-108-CW1/2-LI					
	READYLITE	LDX12-108-NM-2-LD9-CW1					
EBB-MH-1	LUMACELL	RG12NX-108-2-LD9-CW1	108W	MH-P2A-30	MEN'S HOUSE ATTIC	2x5W MR16 LED	
	EMERGI-LITE	12NXM-W-108-CW1/2-LI					
	READYLITE	LDX12-108-NM-2-LD9-CW1					

MECHANICAL EQUIPMENT SCHEDULE																	
ITEM	EQUIPMENT	DESCRIPTION	LOCATION	ELECTRICAL CHARACTERISTICS			PACKAGED UNIT	CONTROLS				CIRCUITRY INFORMATION				NOTES	
				HP/KW	AMPS	VOLTS/Ø		TYPE	SUPPLIED BY	INSTALLED BY	WIRED BY	PANEL-CCT #	FIRE ALARM SHUTDOWN	O.C.P.	WIRE		CONDUIT
BIG HOUSE																	
L1	LIFT		BIGHOUSE EXTERIOR			120V/1Ø	X	P A C K A G E D				BH-P2B-24		20A-1P	2 #12 AWG RW 90 Cu + GRD	21mm	
ERV-1	ENERGY RECOVERY VENTILATOR		ATTIC	14.6MCA		120V/1Ø	X	P A C K A G E D				BH-P2A-4	X	20A-1P	2 #12 AWG RW 90 Cu + GRD	21mm	
PHC-1	PRE-HEAT COIL		ATTIC	15.0 KW		600V/3Ø	X	P A C K A G E D				BH-P6A		20A-3P	3 #12 AWG RW 90 Cu + GRD	21mm	
RHC-1	REHEAT COIL		ATTIC	3.0 KW		208V/3Ø	X	P A C K A G E D				BH-P2A-5, 6, 7		15A-3P	3 #12 AWG RW 90 Cu + GRD	21mm	
NG-1	NITROGEN GENERATOR		BASEMENT MECH.	7.7A		208V/3Ø	X	P A C K A G E D				BH-P2A-62, 63		15A-2P	2 #12 AWG RW 90 Cu + GRD	21mm	
SP-1	SUMP PUMP		LIFT PIT PUMP	1/2 HP	9.8 FLA	120V/1Ø	X	P A C K A G E D				BH-P2A-8		20A-1P	2 #12 AWG RW 90 Cu + GRD	21mm	PROVIDE 5-20R GFCI TYPE DUPLEX RECEPTACLE
SP-2	SUMP PUMP		ELEVATOR PIT	1/2 HP	9.8 FLA	120V/1Ø	X	P A C K A G E D				BH-P2A-65		15A-1P	2 #12 AWG RW 90 Cu + GRD	21mm	
DHWT-1	DOMESTIC HOT WATER TANK		BASEMENT MECH.	6.0 KW		120V/3Ø	X	P A C K A G E D				BH-P2A-9, 10, 11		30A-3P	2 #10 AWG RW 90 Cu + GRD	21mm	
EF-1	EXHAUST FAN		ELECTRICAL ROOM	FRAC		120V/3Ø	X	P A C K A G E D				BH-P2A-64		15A-1P	2 #12 AWG RW 90 Cu + GRD	21mm	
FURLOFT																	
NG-2	NITROGEN GENERATOR		BASEMENT	7.7A		208V/1Ø	X	P A C K A G E D				FL-P2A-32,33		15A-2P	2 #12 AWG RW 90 Cu + GRD	21mm	
MEN'S HOUSE																	
NG-3	NITROGEN GENERATOR		ATTIC	7.7A		208V/1Ø	X	P A C K A G E D				MH-P2A-45,46		15A-2P	2 #12 AWG RW 90 Cu + GRD	21mm	

- NOTES:
- DIVISION 26 TO CONFIRM FINAL LOCATION OF ALL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO ROUGHING-IN OF CONDUIT. CONFIRM FINAL EQUIPMENT RATINGS WITH MECHANICAL PRIOR TO ROUGHING-IN OF CONDUIT, WIRING AND CIRCUIT BREAKERS. SIZE OVERLOADS ACCORDINGLY. CONFIRM FINAL RATINGS WITH EQUIPMENT NAMEPLATES. INFORM DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES AND OR DEVIATIONS PRIOR TO ROUGHING-IN OF EQUIPMENT.
  - ALL CONTROL WIRING TO BE BY DIVISION 23 UNLESS OTHERWISE NOTED. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS. ALL CONDUIT REQUIRED FOR CONTROLS TO BE SUPPLIED AND INSTALLED BY DIVISION 26. COORDINATE ALL WORK WITH DIVISION 23.
  - PROVIDE DISCONNECTS FOR ALL EQUIPMENT AS REQUIRED.
  - PROVIDE CONTROL TRANSFORMERS FOR ALL VAV'S. CONFIRM LOCATIONS AND QUANTITIES WITH MECHANICAL. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
  - WIRE AND CONNECT ERV-1 TO FIRE ALARM PANEL FOR FAN SHUTDOWN AS REQUIRED BY CODE.

REMOTE HEADS SCHEDULE			
TYPE	MANUFACTURER	CATALOGUE NUMBER	LAMPS
EL-1	LUMACELL	MQM-2-LD9	2x5W MR16 LED
	EMERGITITE	EF9-D-M-U	2x5W MR16 LED
	READYLITE	RM-2-LD9	2x5W MR16 LED



REAL PROPERTY SERVICES  
Western Region  
SERVICES IMMOBILIERS  
Région de l'ouest



HDK CONSULTING INCORPORATED  
2633 Portage Avenue  
Winnipeg, Manitoba  
Canada, R3L 0P7  
T: 204.818.0390  
F: 204.818.0388  
www.hdkconsulting.com  
info@hdkconsulting.com  
Mechanical | Electrical | Communications | Security Engineering

Certificate of Authorization  
HDK Consulting Incorporated  
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Client/client  
**Public Works and Government Services Canada**  
100 - 167 Lombard Avenue  
Winnipeg, Manitoba

Project title/Titre du projet  
**Lower Fort Garry (LFG)  
National Historic Site, Manitoba**  
**HERITAGE BUILDING  
RECAPITALIZATION**

Approved by/Approve par  
HCC  
Designed by/Concept par  
PL  
Drawn by/Dessine par  
RD  
PWGSC Project Manager/Administrateur de Projets TPSCG  
CHRISTINA KOVACS  
PWGSC Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSCG  
Client/client  
PARKS CANADA  
Drawing title/Titre du dessin

ELECTRICAL SCHEDULES

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