LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LENS LOUVER	MOUNTING	LIGHT SOURCE	POWER SUPPLY	VOLTAGE	TOTAL WATTS	MANUFACTURER	CATALOG SERIES	NOTE
EX1	SELF-POWERED (120-MINUTES) UNIVERSAL MOUNT, UNIVERSAL VOLTAGE, UNIVERSAL SINGLE/DOUBLE FACE PICTOGRAM STYLE EXIT SIGN WITH WHITE EXTRUDED ALUMINUM HOUSING AND CHEVRON ARROWS AS SHOWN ON PLANS.	UNIVERSAL PICTOGRAM	UNIVERSAL WALL OR CEILING	LED WHITE	---	120 V	5 W	AIMLITE	RPALW	
EX2	SELF-POWERED (120-MINUTES) UNIVERSAL MOUNT, UNIVERSAL VOLTAGE, UNIVERSAL SINGLE/DOUBLE FACE PICTOGRAM STYLE EXIT SIGN WITH WHITE NEMA4X/HOUSING AND CHEVRON ARROWS AS SHOWN ON PLANS.	UNIVERSAL PICTOGRAM	UNIVERSAL WALL OR CEILING	LED WHITE	---	120 V	5 W	AIMLITE	DELUGE RPN	
EXT01E	ARM MOUNT SINGLE-HEAD POLE TOP AREA LIGHT BLACK FINISH	TYPE III DISTRIBUTION	TOP OF CONCRETE BASE: 305MM AFG POLE HEIGHT: 6100MM OVERALL MOUNTING HEIGHT: 6405MM AFG	LED 20,000LM 3000K 70CRI	1000mA	208 V	166 W	MCGRAW- EDISON	GLEON	1
EXT02A	ARM MOUNT SINGLE-HEAD POLE TOP AREA LIGHT BLACK FINISH	TYPE V DISTRIBUTION (SQUARE MEDIUM)	TOP OF CONCRETE BASE: 305MM AFG POLE HEIGHT: 3650MM OVERALL MOUNTING HEIGHT: 3955MM AFG	LED 9,200LM 3000K 70CRI	600mA	208 V	66 W	MCGRAW- EDISON	GLEON	1
EXT04	LED WALL PACK, SECURITY, CORROSION RESISTANT, VANDAL RESISTANCE, WET LOCATION IP66	FROSTED ACRYLIC	WALL	LED 550LM 3000K	LED DRIVER	120 V	8 W	LIGMAN	GINO 4 DOWNLIGHT	
EXT05	LED WALL PACK, SECURITY, CORROSION RESISTANT, VANDAL RESISTANCE, WET LOCATION IP66	TYPE III DISTRIBUTION	WALL 12FT MOUNTING HEIGHT	LED 8,900LM 3000K 70CRI	615 mA LED DRIVER	120 V	75 W	MCGRAW- EDISON	GALLEON GWC	
EXT10	ARM MOUNT SINGLE-HEAD POLE TOP AREA LIGHT BLACK FINISH	SL3 DISTRIBUTION	TOP OF CONCRETE BASE: 305MM AFG POLE HEIGHT: 6100MM OVERALL MOUNTING HEIGHT: 6405MM AFG. BUG RATING: B1-U0-G2	LED 8,000LM 3000K 70CRI	1000mA	208 V	70 W	MCGRAW- EDISON	GLEON	1
PL08-4	4foot LENSED NEMA 4 STRIP LIGHT.	GASKETTED HIGH IMPACT PRISMATIC	SURFACE CEILING OR CHAIN SUSPENDED	LED 4,000LM 80CRI 4000K	ADDRESSABLE 0-10V 10% DIMMING	120 V	30 W	AIMLITE	VWP4	
PL08-8	8foot LENSED NEMA 4 STRIP LIGHT.	GASKETTED HIGH IMPACT PRISMATIC	SURFACE CEILING OR CHAIN SUSPENDED	LED 11,000LM 80CRI 4000K	NONI-ADDRESSABLE 0-10V 10% DIMMING	120 V	100 W	AIMLITE	VWP8	
RL01-A	2foot x 4foot SINGLE BASKET VOLUMETRIC SPECIFICATION GRADE TROFFER.	RIBBED FROSTED ACRYLIC	RECESSED CEILING	LED 4,000LM 80CRI 4000K	ADDRESSABLE 0-10V 10% DIMMING	120 V	37 W	LITHONIA	BLT SERIES 2BLT4	
RL01-C	2foot x 4foot SINGLE BASKET VOLUMETRIC SPECIFICATION GRADE TROFFER.	RIBBED FROSTED ACRYLIC	RECESSED CEILING	LED 4,000LM 80CRI 4000K	NON-ADDRESSABLE 0-10V 10% DIMMING	120 V	37 W	LITHONIA	BLT SERIES 2BLT4	
RL03-B	6inch SQUARE DOWNLIGHT	CLEAR SEMI-SPECULAR	RECESSED CEILING	LED 1,000LM 80CRI 4000K	NON-ADDRESSABLE 0-10V 10% DIMMING	120 V	11 W	LITHONIA	LDN6SQ	
RL08	2foot x 4foot TROFFER C/W WIPE-DOWN SEALED BODY C/W GRID GASKET.	FROSTED ACRYLIC	RECESSED CEILING	LED 7,200LM 82CRI 4000K	ADDRESSABLE 0-10V 10% DIMMING	120 V	56 W	LITHONIA	2GTL	
SL02-4	4foot LENSED STRIP LIGHT.	FROSTED ACRYLIC	SURFACE CEILING OR CHAIN SUSPENDED	LED 5,000LM 80CRI 4000K	0-10V 10% DIMMING	120 V	45 W	LITHONIA	CLX	
SL02-8	8foot LENSED STRIP LIGHT.	FROSTED ACRYLIC	SURFACE CEILING OR CHAIN SUSPENDED	LED 10,000LM 80CRI 4000K	0-10V 10% DIMMING	120 V	90 W	LITHONIA	CLX	
[illegible]	[illegible] 26inch DIRECT/INDIRECT WALL MOUNT LINEAR SLOT. WHITE FINISH. (WASHROOMS)	FROSTED ACRYLIC GLO LENS (0.5inch STEP LENS)	SURFACE WALL	LED 600LM/FT DN/600LM/FT UP 80CRI 4000K	0-10V 10% DIMMING	120 V	38 W	MARK ARCHITECTURAL LIGHTING	SLOT 2 S2LWID	
WL04	2foot WALL BRACKET. WHITE FINISH.	FROSTED ACRYLIC	SURFACE WALL OR CEILING	LED 2,200LM 80CRI 4000K	ADDRESSABLE 0-10V 10% DIMMING	120 V	24 W	LITHONIA	WL	

GENERAL NOTES:

A. REFER TO ITEMIZED PRICING.
B. EQUAL IS NOT PERMITTED TO ENSURE NEW LIGHTING MATCHES EXISTING.

SCHEDULE NOTES:

1. PROVIDE VALMONT 5" SQUARE HSS POLE WITH CAP, POWDER COATED BLACK WITH HANDHOLE. POLE SHALL MATCH EXISTING.

LIGHTING CONTROL DEVICE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG No.	NOTES
OS1A	NETWORKED ADDRESSABLE CEILING MOUNT OCCUPANCY-SENSOR USING 360DEG LENS, PIR AND MICROPHONIC TECHNOLOGY MOTION DETECTION, SUITABLE FOR SMALL MOTION/STANDARD RANGE	ACUITY BRAND NLIGHT	NCM PDT 9 RJB	1, 2
OS1B	NETWORKED ADDRESSABLE CEILING MOUNT OCCUPANCY-SENSOR USING 360DEG LENS, PIR AND MICROPHONIC TECHNOLOGY MOTION DETECTION, SUITABLE FOR LARGE MOTION/LONG RANGE	ACUITY BRAND NLIGHT	NCM PDT 10 RJB	1, 2
WS1	NETWORED ADDRESSABLE ON/OFF, RAISE/LOWER, 4-SCENE CONTROL PUSHBUTTON WALL STATION	ACUITY BRAND NLIGHT	NPODMA-4S -DX-WH	1
WS4	NETWORKED ADDRESSABLE ON/OFF, RAISE/LOWER PUSHBUTTON WALL STATION	ACUITY BRAND NLIGHT	NPODMA-D X-WH	1
WS7	NETWORKED ADDRESSABLE ON/OFF PUSHBUTTON WALL STATION	ACUITY BRAND NLIGHT	NPODMA-W H	1

GENERAL NOTES:

A. SUBSTITUTIONS NOT PERMITTED IN ORDER TO MATCH EXISTING BUILDING SYSTEM.

SCHEDULE NOTES:

1. PROVIDE DEVICE TO MATCH OPERATING VOLTAGE OF LOADS CONTROLLED.
2. PROVIDE 24 VDC POWER PACK WITH INPUT TO MATCH LIGHTING FIXTURE VOLTAGE, SWITCHING CONTACT RATED FOR 20A DRIVER.

EMERGENCY LIGHTING MINI-INVERTER SCHEDULE

ID	ROOM	DESCRIPTION	INVERTER SIZE	VOLT	SUPPLIED FROM	TOTAL LOAD	MAX WATT 30 MIN	MFR	MODEL	NOTES
INV0B	1M:02	DIRECT WIRED INTERRUPTIBLE EMERGENCY LIGHTING MINI-INVERTER UNIT, COMPLETE WITH PURE SINE WAVE OUTPUT INVERTER, AND INTEGRAL BATTERIES, COMPLETE WITH AUTO-DIAGNOSTIC FEATURE	1440W	120 V	IL2B	1042 W	1440 W	LUMACELL	LMI-1440-1-SAC	
INV1G	1M:02	DIRECT WIRED INTERRUPTIBLE EMERGENCY LIGHTING MINI-INVERTER UNIT, COMPLETE WITH PURE SINE WAVE OUTPUT INVERTER, AND INTEGRAL BATTERIES, COMPLETE WITH AUTO-DIAGNOSTIC FEATURE	1000W	120 V	IL2B	587 W	1000 W	LUMACELL	LMI-1000-1-SAC	
INV1H	1M:02	DIRECT WIRED INTERRUPTIBLE EMERGENCY LIGHTING MINI-INVERTER UNIT, COMPLETE WITH PURE SINE WAVE OUTPUT INVERTER, AND INTEGRAL BATTERIES, COMPLETE WITH AUTO-DIAGNOSTIC FEATURE	1000W	120 V	IL2B	355 W	1000 W	LUMACELL	LMI-1000-1-SAC	
INV1J	1M:02	DIRECT WIRED INTERRUPTIBLE EMERGENCY LIGHTING MINI-INVERTER UNIT, COMPLETE WITH PURE SINE WAVE OUTPUT INVERTER, AND INTEGRAL BATTERIES, COMPLETE WITH AUTO-DIAGNOSTIC FEATURE	1440W	120 V	IL2B	904 W	1440 W	LUMACELL	LMI-1440-1-SAC	
INV2G		DIRECT WIRED INTERRUPTIBLE EMERGENCY LIGHTING MINI-INVERTER UNIT, COMPLETE WITH PURE SINE WAVE OUTPUT INVERTER, AND INTEGRAL BATTERIES, COMPLETE WITH AUTO-DIAGNOSTIC FEATURE	1000W	120 V	IL2B	594 W	1000 W	LUMACELL	LMI-1000-1-SAC	

GENERAL NOTES:

A. EMERGENCY LIGHTING MINI-INVERTER MODEL NUMBERS ARE BASED ON LUMACELL PRODUCT LINE. EMERGILITE, BEGHELLIE, AND AIMLITE MEETING PERFORMANCE SPECIFICATIONS ARE APPROVED EQUAL.
B. PROVIDE CHANNEL RACK AS REQUIRED TO STACK INVERTERS.

SCHEDULE NOTES:

1. N/A

LIGHTING CONTROLS SEQUENCE OF OPERATIONS

Number	Name	SEQUENCE OF OPERATIONS
0:001	CRAWLSPACE	MANUAL ON/OFF USING LINE VOLTAGE TOGGLE SWITCH.
1:003D	KITCHENETTE STORAGE	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:100	CONST. & WOOD TECHNOLOGY	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:100A	PRINT ROOM	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:100B	STORAGE ROOM	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:100D	DUST COLLECTOR ENCLOSURE	MANUAL ON/OFF USING LINE VOLTAGE TOGGLE SWITCH.
1:101	DESIGN LAB	MANUAL ON/OFF AND RAISE/LOWER EACH LZ USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:102	EXTERIOR STORAGE	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:103	MACHINING & WELDING TECHNOLOGY	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:103A	LOCKER ROOM	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:103B	OFFICE	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:103C	STORAGE ROOM	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:104	STAIR 5	STAIR LIGHTING ON 24/7, NIGHT LIGHT.
1:106	CULINARY ARTS	MANUAL ON/OFF EACH LZ USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106A	CHANGEROOM	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106B	JAN. / MOP ROOM	MANUAL ON/OFF USING WALL STATION. AUTOMATIC ON/OFF (OCCUPANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106C	W/C	MANUAL ON/OFF USING WALL STATION. AUTOMATIC ON/OFF (OCCUPANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106D	W/C	MANUAL ON/OFF USING WALL STATION. AUTOMATIC ON/OFF (OCCUPANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106E	OFFICE	MANUAL ON/OFF AND RAISE/LOWER USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:106F	DISH WASHING AREA	MANUAL ON/OFF EACH LZ USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106G	BAKING CLASSROOM	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106K	BAKERY STORAGE	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:106L	CORRIDOR	MANUAL ON/OFF EACH LZ USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:106P	CULINARY ARTS STORAGE	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:106Q	LAUNDRY	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR.
1:107	FOOD & NUTRITION	MANUAL ON/OFF AND RAISE/LOWER EACH LZ USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:107A	DRY STORAGE	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1:107B	LAUNDRY	MANUAL ON/OFF USING WALL STATION. AUTOMATIC OFF (VACANCY) USING OCCUPANCY SENSOR. EMERGENCY LIGHTING ON 100% WHEN LOSS OF NORMAL POWER.
1M:02	MECH. MEZZ.	MANUAL ON/OFF USING LINE VOLTAGE TOGGLE SWITCH.

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No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	JS/MP	24-04-01

SEAL

PROVINCE OF MANITOBA
M. G. PENNER
Member
23792
2024-04-01
LICENSED PROFESSIONAL ENGINEER

EW DRAWN	MP/KG CHECKED	KG DESIGNED	MP/KG APPROVED
DATE 2024-04-01	USER APPROVAL		

Winnipeg
THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
PEMBINA TRAILS COLLEGIATE
VOCATIONAL WING
TENDER NO. 954-2023B
50 FRONTIER TRAIL, WINNIPEG, MANITOBA, R3Y 2H1

SHEET TITLE
Electrical Lighting Schedules

SCALE	PROJECT No:	SHEET No:
1 : 96	2020-127	E6.0

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1
ESE 24049