PANELBOARD: LPA

LOCATION: **VOLTAGE:** 120/208V. 3 ø 4W.
MOUNTING: RECESSED NEMA1 **A.I.C. RATING:** 10,000 AMPS SYMMETRICAL
MAIN DEVICE 200 A MCB **SPECIAL:**
BUS AMPS: 225 AMPS

Notes:

LOAD DESCRIPTION	BKR	P	Circuit Number	A		B		C		Circuit Number	P	BKR	LOAD DESCRIPTION
UNIT HEATER UH-4	30 A	2	LPA-1	249...						LPA-22			
			LPA-2			249...				LPA-23			
UNIT HEATER UH-3	30 A	2	LPA-3					249...		LPA-24			
			LPA-4	249...						LPA-25			
UNIT HEATER UH-2	30 A	2	LPA-5			249...				LPA-26			
			LPA-6					249...		LPA-27			
UNIT HEATER UH-1	30 A	2	LPA-7	249...						LPA-28			
			LPA-8			249...				LPA-29			
PTAC UNIT RCPT	30 A	2	LPA-9					249...		LPA-30			
			LPA-10	249...						LPA-31			
PTAC UNIT RCPT	30 A	2	LPA-11			249...				LPA-32			
			LPA-12					249...		LPA-33			
PTAC UNIT RCPT	30 A	2	LPA-13	249...						LPA-34			
			LPA-14			249...				LPA-35			
PTAC UNIT RCPT	30 A	2	LPA-15					249...		LPA-36			
			LPA-16	249...						LPA-37			
RCPT	15 A	1	LPA-17			360...				LPA-38			
LITES	15 A	1	LPA-18					332...		LPA-39			
			LPA-19							LPA-40			
			LPA-20							LPA-41			
			LPA-21							LPA-42			
			TOTAL LOAD:	14976 VA		12834 VA		12780 VA					
			TOTAL AMPS:	125 A		107 A		107 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	360 VA	100.00%	360 VA		
LITES	332 VA	100.00%	332 VA	**CONNECTED LOAD:**	40589 VA
SPEC	19968 VA	100.00%	19968 VA	**ESTIMATED DEMAND:**	38098 VA
HEAT	19968 VA	87.52%	17476 VA	**CONNECTED...**	113 A
				EST. DEMAND...	106 A

Notes: Existing Panel.

PANELBOARD: LPB

LOCATION: **VOLTAGE:** 120/208V. 3 ø 4W.
MOUNTING: RECESSED NEMA1 **A.I.C. RATING:** 10,000 AMPS SYMMETRICAL
MAIN DEVICE 200 A MCB **SPECIAL:**
BUS AMPS: 225 AMPS

Notes:

LOAD DESCRIPTION	BKR	P	Circuit Number	A		B		C		Circuit Number	P	BKR	LOAD DESCRIPTION
UNIT HEATER UH-8	30 A	2	LPB-1	249...						LPB-22			
			LPB-2			249...				LPB-23			
UNIT HEATER UH-7	30 A	2	LPB-3					249...		LPB-24			
			LPB-4	249...						LPB-25			
UNIT HEATER UH-6	30 A	2	LPB-5			249...				LPB-26			
			LPB-6					249...		LPB-27			
UNIT HEATER UH-5	30 A	2	LPB-7	249...						LPB-28			
			LPB-8			249...				LPB-29			
PTAC UNIT RCPT	30 A	2	LPB-9					249...		LPB-30			
			LPB-10	249...						LPB-31			
PTAC UNIT RCPT	30 A	2	LPB-11			249...				LPB-32			
			LPB-12					249...		LPB-33			
PTAC UNIT RCPT	30 A	2	LPB-13	249...						LPB-34			
			LPB-14			249...				LPB-35			
PTAC UNIT RCPT	30 A	2	LPB-15					249...		LPB-36			
			LPB-16	249...						LPB-37			
RCPT	15 A	1	LPB-17			360...				LPB-38			
			LPB-18							LPB-39			
			LPB-19							LPB-40			
			LPB-20							LPB-41			
			LPB-21							LPB-42			
			TOTAL LOAD:	14907 VA		12782 VA		12425 VA					
			TOTAL AMPS:	125 A		107 A		104 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	20328 VA	74.60%	15164 VA		
HEAT	19968 VA	87.52%	17476 VA	**CONNECTED LOAD:**	40110 VA
				ESTIMATED DEMAND:	32490 VA
				CONNECTED...	111 A
				EST. DEMAND...	90 A

Notes: Existing Panel.

EQUIPMENT CONNECTION SCHEDULE

NO.	DESCRIPTION	LOAD HP	LOAD A	LOAD W	VOLT	PH	CIRCUIT	CIRCUIT BREAKER	CONDUIT & WIRE SIZE	STARTER COMPONENT	STARTER FURN. INST. WIRED	CONTROL DEVICE COMPONENT	CONTROL DEVICE FURN. INST. WIRED	DISCONNECT COMPONENT	DISCONNECT FURN. INST. WIRED	NOTES
UH-1	Unit Heater		24 A	[redacted]	208 V	1	LPA-7,8	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-2	Unit Heater		24 A	[redacted]	208 V	1	LPA-5,6	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-3	Unit Heater		24 A	[redacted]	208 V	1	LPA-3,4	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-4	Unit Heater		24 A	[redacted]	208 V	1	LPA-1,2	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-5	Unit Heater		24 A	[redacted]	208 V	1	LPB-7,8	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-6	Unit Heater		24 A	[redacted]	208 V	1	LPB-5,6	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-7	Unit Heater		24 A	[redacted]	208 V	1	LPB-3,4	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	
UH-8	Unit Heater		24 A	[redacted]	208 V	1	LPB-1,2	30A/2P	21(3/4")C, 2#10, #12 BOND	---	---	TS	DIV. 23 DIV. 23 DIV. 23	NFS	DIV. 26 DIV. 26 DIV. 26	

COMBINATION DISCONNECT TYPES:
NFS NON-FUSED SWITCH
CB CIRCUIT BREAKER

ABBREVIATIONS:
EC ELECTRICAL CONTRACTOR
MC MECHANICAL CONTRACTOR
DCP DUPLEX CONTROLLER
GC GENERAL CONTRACTOR
TS THERMOSTAT

GENERAL NOTES:

A. CIRCUITING IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING ARRANGEMENTS ON SITE WITH EXISTING CONDITIONS.

LIGHTING FIXTURE SCHEDULE

TYPE	Description	LENS-LOUVER	MOUNTING	LAMP	BALLAST / DRIVER	VOLT	WATT	MFR	CATALOG SERIES	NOTE
EX2	LED UNIVERSAL MOUNT RED LETTER EXIT STYLE EXIT SIGN WITH WHITE ALUMINUM HOUSING, SINGLE FACE, AND CHEVRON ARROWS AS SHOWN ON PLANS.	---	UNIVERSAL	EXISTING	EXISTING	120 V	3 W	EXISTING	---	
SL1	1220mm (4') LONG SURFACE MOUNTED LED STRIP	FROSTED ACRYLIC DIFFUSER	SURFACE	LED 3000lm 80+CRI 4000K 50,000 HR	LED	120 V	25 W	LITHONIA	ZL1N L48 3000LM FST MVOLT 40K 80CRI 2E7W WH	
SL2	LED CANOPY FIXTURE	FROSTED ACRYLIC	SURFACE	LED 3500lm 80+CRI 4000K 50,000 HR	LED	120 V	27 W	LITHONIA	CNY LED P0 40K MVOLT DDB	
SL3	610mm x 610mm (2' x 2') LED SPECIFICATION GRADE.	K12 ACRYLIC 1/8in THICK	CABLE SUSPENDED ANTI SWAY	EXISTING	EXISTING	120 V	40 W	EXISTING	---	

GENERAL NOTES:

A. WHERE "APPROVED EQUAL" IS LISTED IN THE MANUFACTURER COLUMN, FIXTURES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION.

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NO.	DATE	REVISION / ISSUANCE
01	2021.05.05	ISSUED FOR CONSTRUCTION

Seal

Project
CARLTON STREET WALKWAY UPGRADES
155 + 185 Carlton Street / Winnipeg, MB
Bid Opportunity No. 111-2020

Sheet Title
ELECTRICAL SCHEDULES

Project No. 1943
Sheet **E6.1**