NOTES:

1. ALL EQUIPMENT TO BE PROVIDED NEW BY CONTRACTOR UNLESS OTHERWISE INDICATED.
2. CONTRACTOR TO PROVIDE PANEL SCHEDULE FOR PNL–L73.
3. CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING CONTROL JUNCTION BOX C/W RELAYS, SWITCHES, AND TERMINALS AS SHOWN. DIMMER CONTROL TO BE LOCATED WITHIN LIGHTING CONTROL JUNCTION BOX. SWITCHES TO BE INSTALLED TO THE FRONT OF THE PANEL WITH IDENTIFICATION LAMACOIDS. SEE DWG. 1–0131L–E0006.
4. CONTRACTOR TO PROVIDE AND INSTALL NEW OUTDOOR PHOTOCELL AS SHOWN.
5. CONTRACTOR TO PROVIDE AND INSTALL A SURGE PROTECTION DEVICE TO THE BOTTOM OF PNL–L73 AS SHOWN.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPERLY SIZED WIRING AND BREAKERS BETWEEN PNL–L73 AND INDICATED LOADS
7. MINIMUM WIRING SHALL BE No. 12AWG.
8. SBM = SIZED BY MANUFACTURER. SIZE OVER CURRENT DEVICE AND CABLING AS PER MANUFACTURERS RECOMMENDATIONS.

PANEL: L73
LOCATION: ELECTRICAL ROOM
120/208V 3PH 4W 200A

DESCRIPTION	LOAD (W)	TRIP AMPS	BRK. No.	PHASE	BRK. No.	TRIP AMPS	LOAD (W)	DESCRIPTION
MAIN FLOOR LIGHTING	180	15	1	A	2	15		MAIN FLOOR RECEPTACLES
BASEMENT LIGHTING	60	15	3	B	4	15 GFCI		BASEMENT RECEPTACLES
MOTOR LEVEL AND COMM CHAMBER LIGHTING	120	15	5	C	6	15 GFCI		MOTOR LEVEL AND COMM CHAMBER RECEPTACLES
PUMP LEVEL LIGHTING	60	15	7	A	8	15 GFCI		PUMP LEVEL RECEPTACLES
OUTDOOR LIGHTING	26	15	9	B	10	15	700	P-L03 SUMP PUMP RECEPTACLE
PLC CONTROL PANEL CP-L81		15	11	C	12	15	700	P-L04 SUMP PUMP RECEPTACLE
HVAC CONTROL PANEL JBA-L83		15	13	A	14	20		AC-L68 AIR CONDITIONER
LIGHTING CONTROL JUNCTION BOX, EMERGENCY LIGHTING ELB-L74		15	15	B	16			
			17	C	18	20		ELECTRICAL ROOM QUAD RECEPTACLE
			19	A	20			
			21	B	22			
			23	C	24			
			25	A	26			
			27	B	28			
			29	C	30			
			31	A	32			
			33	B	34			
			35	C	36			
			37	A	38	30		SURGE PROTECTION DEVICE - SPD-2
			39	B	40			
			41	C	42			

PANEL L73 SCHEDULE
SEE NOTES 6, 7 AND 8

LUMINAIRE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER/MODEL (OR APPROVED EQUIVALENT)	MOUNTING HEIGHT	LAMPS	LENS	FIXTURE LUMEN OUTPUT	COLOUR TEMPERATURE	MOUNTING	VOLT	LIFESPAN	REMARKS
A	LED STRIPLIGHT	CREE LIGHTING / WS4-C-40L-LFA-40K-8-UL-SSL	3100 AFF ELECTRICAL ROOM	LED	250-350 (ELECTRICAL ROOM)	6853	4000K	SUSPENDED BELOW HVAC IN ELECTRICAL ROOM, WALL MOUNT IN OTHER AREAS.	120 VAC	50,000 HRS	
			4800 AFF (BASEMENT)		150-250 (BASEMENT)						
			2300 AFF (MOTOR ROOM)		150-250 (MOTOR ROOM)						
			2500 AFF (PUMP ROOM)		150-250 (PUMP ROOM)						
B	LED WALL PACK	RAB DESIGN / AWL-LED26-A-3K-BRZ-PC	2500 AFF	LED	N/A	2957	3000K	WALL	120 VAC	50,000 HRS	C/W PHOTO CELL

LUMINAIRE SCHEDULE

EMERGENCY LIGHTING SCHEDULE

TYPE	COUNT	LOCATION	DESCRIPTION	MANUFACTURER / MODEL	SOURCE VOLTAGE	OUTPUT VOLTAGE	WATTAGE	CONNECTED WATTAGE	REMARKS
EM1	1	MAIN FLOOR	STANDALONE EMERGENCY LIGHT BATTERY PACK ELB-L74	AIMLITE / EBWD-12-250-0-GRY-ATD	120VAC	12VDC	250W	72W	BATTERY RATED FOR 90 MIN RUN TIME AT 83W
EM2	6	VARIOUS LOCATIONS	DOUBLE REMOTE HEAD	AIMLITE / RMN-2-12-24V-6WLA-BLK	12VDC	N/A	6W	N/A	SEE DWG. 1-0131L-E0005 FOR REMOTE HEAD LOCATIONS
EX1	1	MAIN FLOOR	ILLUMINATED EXIT SIGN W/DUAL HEADS	AIMLITE / CRPN-12-036-1-BLK-2-6WLA-ATD	120VAC	12VDC	36W	12W	BATTERY RATED FOR 90 MIN RUN TIME AT 12W

EMERGENCY LIGHTING SCHEDULE

1 LIGHTING CONTROL JUNCTION BOX JBA–L74 PHOTOCELL LIGHTING SCHEMATIC
SCALE: NTS

2 LIGHTING CONTROL JUNCTION BOX JBA–L74 EMERGENCY LIGHTING SCHEMATIC
SCALE: NTS

3 LIGHTING CONTROL JUNCTION BOX JBA–L74 LIGHTING SCHEMATIC
SCALE: NTS

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5		
4		
3		
2		
1	1–0131L–E0006	ELECTRICAL BUILDING PLAN

REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE, a division of Englobe Corp.
No. 4968 Date: MAR 19, 2024

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2024–03–19	

MPE a division of Englobe

DESIGNED BY	J. SWAIN	CHECKED BY	R. OFSTIE
DRAWN BY	J. SWAIN, T. SHRUFI	APPROVED BY	R. OFSTIE
SCALE: HORIZONTAL VERTICAL	N.T.S.	RELEASED FOR CONSTRUCTION	
DATE	2024–03–19	DATE	

PLOT DATE: 2024 03 19

PROVINCE OF MANITOBA
R.G. OFSTIE
Member 44405
REGISTERED PROFESSIONAL ENGINEER
MARCH 21, 2024
CONSULTANT DRAWING NUMBER

BID OPPORTUNITY: --

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

CONWAY LIFT PUMPING STATION
2024 UPGRADES
ELECTRICAL SCHEDULES
PNL–L74 AND LUMINAIRES

CITY DRAWING NUMBER 1–0131L–E0010–001–00 | SHEET 51 OF 102

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