



- NOTES:
1. PROVIDE COMPLETE LOW VOLTAGE CONTROL ASSEMBLY MOUNTED IN SURFACE ENCLOSURE. ASSEMBLY SHALL BE COMPLETE, WITH MOUNTING FRAMES FOR RELAY, RECTIFIER, AND TERMINAL STRIP.
  2. PROVIDE 3/14 IN 21mm CONDUIT FROM CONTROL STATION TO LOW VOLTAGE LIGHTING CONTROLLER.
  3. PROVIDE 120V FROM ONE OF THE INCOMING CIRCUITS.
  4. WIRING SHOWN, IS FOR TWO CONTROLLERS CONTROLLING THREE RELAY CIRCUITS. COORDINATE WIRING FOR OTHER REQUIREMENTS.

LC-FXX	LOCATION OF LC-FXX	CSX	R-XXX	LP-XX, CCT.XX
LC-F01	FILTER PIPE GALLERY	HS1	R-F01	LP-F01, CCT. 1
		HS2	R-F02	LP-F01, CCT. 3
		HS3	R-F03	LP-F01, CCT. 5
		HS4		
LC-P11	DAF PUMP GALLERY GALLERY	HS1	R-P11	LP-P11, CCT. 1
		HS2	R-P12	LP-P11, CCT. 3
		HS3	R-P13	LP-P11, CCT. 5
LC-A01	DAF PUMP GALLERY GALLERY	HS1	R-A11	LP-A11, CCT. 5
		HS2	R-A12	LP-A11, CCT. 7
		HS3	R-A13	LP-A11, CCT. 9
LC-A11	ADMIN BUILDING LOWER LEVEL	HS1	R-A01	LP-A11, CCT. 1
		HS2	R-A02	LP-A11, CCT. 3
		HS3	R-A03	LP-A11, CCT. 11
			R-A04	LP-A11, CCT. 13
			R-A05	LP-A11, CCT. 15
			R-A06	LP-A11, CCT. 17
			R-A07	LP-A11, CCT. 19
LC-R21	RESIDUALS HANDLING AREA	HS1a	R-R21	LP-R21, CCT. 1
		HS6a	R-R22	LP-R21, CCT. 2
		HS2b	R-R23	LP-R21, CCT. 35,37
		HS7b		
		HS3c	R-R24	LP-R21, CCT. 39,41
		HS8c		
		HS4d	R-R25	LP-R21, CCT. 36,38
		HS9d		
		HS5e	R-R26	LP-R21, CCT. 40,42
		HS10e		
LC-R22	PILOT PLANT ROOM	HS21	R-R28	LP-R21, CCT. 3
		HS22	R-P29	LP-R21, CCT. 4
		HS23		
LC-A21	ADMIN AREA 2nd FLOOR	HS1	R-A21	LP-A21, CCT. 21
		HS2	R-A22	LP-A21, CCT. 23
		HS3	R-A23	LP-A21, CCT. 24
			R-A24	LP-A21, CCT. 25
			R-A25	LP-A21, CCT. 27
LC-A31	ADMIN AREA 3rd FLOOR	HS1	R-A31	LP-A31, CCT. 71
		HS4	R-A32	LP-A31, CCT. 73
		HS7		
		HS2	R-A33	LP-A31, CCT. 69
		HS5	R-A34	LP-A31, CCT. 67
		HS8	R-A35	LP-A31, CCT. 63
			R-A36	LP-A31, CCT. 65
		HS3	R-A37	LP-A31, CCT. 69
		HS6	R-A38	LP-A31, CCT. 63
HS9	R-A39	LP-A31, CCT. 65		
LC-C31	MECHANICAL ROOM No.3	HS1	R-C31	LP-H31, CCT. 36
		HS3		
LC-F31	FILTER GALLERY	HS2	R-C32	LP-H31, CCT. 38
		HS4		
		HS1a	R-F31	LP-H31, CCT. 1
		HS4a	R-F32	LP-H31, CCT. 2
		HS7a	R-F33	LP-H31, CCT. 3
		HS10a	R-F34	LP-H31, CCT. 4
			R-F35	LP-H31, CCT. 5
			R-F36	LP-H31, CCT. 1
		HS2b	R-F37	LP-H31, CCT. 8,10
		HS5b	R-F38	LP-H31, CCT. 12,14
		HS8b	R-F39	LP-H31, CCT. 16,18
		HS11b	R-F40	LP-H31, CCT. 20,22
			R-F41	LP-H31, CCT. 5
			R-F42	LP-H31, CCT. 1
		HS3c	R-F43	LP-H31, CCT. 7,9
		HS6c	R-F44	LP-H31, CCT. 11,13
		HS9c	R-F45	LP-H31, CCT. 15,17
HS12c	R-F46	LP-H31, CCT. 19,21		
	R-F47	LP-H31, CCT. 5		
LC-O31	OZONE ROOM	HS1	R-O31	LP-R31, CCT. 25
		HS3	R-O32	LP-R31, CCT. 23
		HS2	R-O33	LP-R31, CCT. 22
		HS4	R-O34	LP-R31, CCT. 24

LC-FXX	LOCATION OF LC-FXX	CSX	R-XXX	LP-XX, CCT.XX
LC-P31	DAF AREA	HS1 HS7 HS13	R-P31	LP-P31, CCT. 1,3
			R-P32	LP-P31, CCT. 2,4
			R-P33	LP-P31, CCT. 5,7
			R-P34	LP-P31, CCT. 6,8
			R-P35	LP-P31, CCT. 9,11
			R-P36	LP-P31, CCT. 42
		HS2 HS8 HS14	R-P37	LP-P31, CCT. 10,12
			R-P38	LP-P31, CCT. 13,15
			R-P39	LP-P31, CCT. 14,16
			R-P40	LP-P31, CCT. 17,19
			R-P41	LP-P31, CCT. 44
			R-P42	LP-P31, CCT. 18,20
		HS3 HS9 HS15	R-P43	LP-P31, CCT. 21,23
			R-P44	LP-P31, CCT. 22,24
			R-P45	LP-P31, CCT. 25,27
			R-P46	LP-P31, CCT. 26,28
		HS4 HS10 HS16	R-P47	LP-P31, CCT. 29,31
			R-P48	LP-P31, CCT. 30,32
			R-P49	LP-P31, CCT. 33,35
			R-P50	LP-P31, CCT. 34,36
		HS5 HS11 HS17	R-P51	LP-P31, CCT. 43
			R-P52	LP-P31, CCT. 45
		HS6 HS12 HS18	R-P53	LP-P31, CCT. 45
			R-P54	LP-P31, CCT. 47

LOW VOLTAGE LIGHTING CONTROLLER DIAGRAM AND CIRCUIT SCHEDULE

<p>Certificate of Authorization CH2M HILL Canada Ltd. No. 1441 Expiry: April 30, 2006</p>	<p>B.M. ELEV.</p> <table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>										<p>Frederickson Cooper ARCHITECTS</p>	<p>A You International Ltd. Company</p>	<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY L.D. LLEWELLYN 2006/03/29</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p>	<p>WATER TREATMENT PLANT MAIN BUILDING MECHANICAL AND ELECTRICAL</p>	<p>CITY FILE NUMBER</p> <p>SHEET OF</p> <p>CITY DRAWING NUMBER 1-0601B-H-E0553-001-000</p>
<p>DESIGNED BY JT</p> <p>CHECKED BY ND</p>	<p>APPROVED BY AHL</p> <p>RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI</p>	<p>CONSULTANT DRAWING NO. WB-E0553</p>														
<p>SCALE: NTS</p> <p>ISSUED FOR TENDER 06/03/29</p>	<p>DATE 2005/11/08</p> <p>DATE 2006/03/29</p>															