

	Lamacoid Schedule		Document Code	508955-0000-47EL-0003
			Revision	00
Client City of Winnipeg				
Project MacLean Pumping Station Electrical Upgrades				
Package / Area				
Prepared By	Name	Signature	Date	
	B. Cleven		2012-07-26	
Checked By	Name	Signature	Date	
	C. Reimer		2012-07-26	
Approved By	Name	Signature	Date	
	C. Reimer		2012-07-26	
Notes / Comments				

Revisions					
Rev	Description	Date	By	Checked	Approved
00	Issued for Tender	2012-07-26	B. Cleven	C. Reimer	C. Reimer

ID No.	Line 1	Line 2	Line 3	Text Size (mm)	Note
1	AC-M901	INSTRUMENT AIR COMPRESSOR		8	
2	AC-M902	INSTRUMENT AIR COMPRESSOR		8	
3	AC-M903	VALVE AIR COMPRESSOR		8	
4	AC-M903	E-STOP		5	3
5	AHU-M601	PUMP ROOM	AIR HANDLING UNIT	8	Qty 3
6	AHU-M602	PUMP ROOM	AIR HANDLING UNIT	8	Qty 3
7	AHU-M603	PUMP ROOM	AIR HANDLING UNIT	8	Qty 3
8	AHU-M604	PUMP ROOM	AIR HANDLING UNIT	8	Qty 3
9	AHU-M605	ELECTRICAL ROOM	AIR HANDLING UNIT	8	
10	ATS-M1E	GENERATOR TO GENERATOR	TRANSFER SWITCH	5	
11	ATS-M3E	NORMAL TO GENERATOR POWER	TRANSFER SWITCH	5	
12	CHLR-M630	CHILLER		8	
13	CT-M635	COOLING TOWER		8	
14	DP-M2	600V, 3Ø, 4W		28/8	1
15	DS-M601	DISCONNECT FOR	AHU-M601	5	
16	DS-M602	DISCONNECT FOR	AHU-M602	5	
17	DS-M603	DISCONNECT FOR	AHU-M603	5	
18	DS-M604	DISCONNECT FOR	AHU-M604	5	
19	DS-M605	DISCONNECT FOR	AHU-M605	5	
20	DS-M630	DISCONNECT FOR	CHLR-M630	5	
21	DS-M631	DISCONNECT FOR	P-M631	5	
22	DS-M632	DISCONNECT FOR	P-M632	5	
23	DS-M633	DISCONNECT FOR	P-M633	5	
24	DS-M634	DISCONNECT FOR	P-M634	5	
25	DS-M681	DISCONNECT FOR	EF-M681	5	
26	DS-M682	DISCONNECT FOR	EF-M682	5	
27	DS-M683	DISCONNECT FOR	EF-M683	5	
28	DS-M684	DISCONNECT FOR	EF-M684	5	
29	FDS-M690	FUSIBLE DISCONNECT FOR	EF-M690	5	
30	FDS-M692	FUSIBLE DISCONNECT FOR	EF-M692	5	
31	DS-M901	DISCONNECT FOR	AC-M901	5	
32	DS-M902	DISCONNECT FOR	AC-M902	5	
33	DS-M903	DISCONNECT FOR	AC-M903	5	
34	DS-M941	DISCONNECT FOR	P-M941	5	
35	DS-M942	DISCONNECT FOR	P-M942	5	
36	DS-M991	DISCONNECT FOR	CRN-M991	5	
37	DS-M992	DISCONNECT FOR	CRN-M992	5	
38	EF-M681	PUMP ROOM EXHAUST FAN		8	
39	EF-M682	PUMP ROOM EXHAUST FAN		8	
40	EF-M683	PUMP ROOM EXHAUST FAN		8	
41	EF-M684	PUMP ROOM EXHAUST FAN		8	
42	EF-M685	WASHROOM FAN		8	
43	EF-M686	CL2 EQUIPMENT ROOM	EXHAUST FAN	8	
44	EF-M687	CL2 EQUIPMENT ROOM	EXHAUST FAN	8	
45	EF-M688	CL2 SCALE ROOM	EXHAUST FAN	8	
46	EF-M689	CL2 SCALE ROOM	EXHAUST FAN	8	
47	EF-M690	CL2 STORAGE ROOM	EXHAUST FAN	8	
48	EF-M691	CL2 STORAGE ROOM	EXHAUST FAN	8	
49	EF-M692	CL2 STORAGE ROOM	EXHAUST FAN	8	
50	EF-M693	AMMONIA ROOM	EXHAUST FAN	8	
51	EF-M694	ELECTRICAL ROOM	EXHAUST FAN	8	
52	FN-M635-1	COOLING TOWER FAN		8	
53	FN-M635-2	COOLING TOWER FAN		8	
54	FS-M601			5	
55	FS-M603			5	
56	FSL-M605			5	
57	FS-M609			5	
58	HCC-M605-1	HEATER CONTROL PANEL	FOR ELECTRICAL ROOM	5	
59	HCC-M605-2	HEATER CONTROL PANEL	FOR ELECTRICAL ROOM	5	
60	HCC-M616	HEATER CONTROL PANEL	FOR CL2 EQUIPMENT ROOM	5	
61	HCC-M619	HEATER CONTROL PANEL	FOR CL2 SCALE ROOM	5	
62	HCC-M657	HEATER CONTROL PANEL	FOR CL2 EQUIPMENT ROOM	5	
63	HCC-M658	HEATER CONTROL PANEL	FOR CL2 SCALE ROOM	5	
64	HCC-M661	HEATER CONTROL PANEL	FOR CL2 STORAGE ROOM	5	
65	HCC-M662	HEATER CONTROL PANEL	FOR CL2 STORAGE ROOM	5	
66	HCC-M663	HEATER CONTROL PANEL	FOR AMMONIA ROOM	5	
67	HCC-M664	HEATER CONTROL PANEL	FOR AMMONIA ROOM	5	
68	HCC-M665	HEATER CONTROL PANEL	FOR SOUTH STAIRWELL	5	
69	HCC-M666	HEATER CONTROL PANEL	FOR NORTH STAIRWELL	5	
70	HCC-M667	HEATER CONTROL PANEL	FOR WASHROOM	5	
71	HCC-M668	HEATER CONTROL PANEL	FOR LOBBY	5	
72	HCE-M601	ELECTRIC HEATING COIL	60 kW @ 575V	8	
73	HCE-M603	ELECTRIC HEATING COIL	60 kW @ 575V	8	
74	HCE-M605-1	ELECTRIC HEATING COIL	12 kW @ 575V	8	
75	HCE-M605-2	ELECTRIC HEATING COIL	10 kW @ 575V	8	
76	HCE-M609	ELECTRIC HEATING COIL	75 kW @ 575V	8	
77	HCE-M616	ELECTRIC HEATING COIL	10 kW @ 575V	8	

78	HCE-M619	ELECTRIC HEATING COIL	12 kW @ 575V	8	
79	HS-M903			5	
80	KV-M901			5	
81	KV-M902			5	
82	LE-M940			5	
83	LIT-M940			5	
84	MCC-M1	600V, 3Ø, 3W		28/8	1
85	MCC-M3E	600V, 3Ø, 3W	ESSENTIAL POWER	28/8	1
86	MCC-R1	600V, 3Ø, 3W	NEUTRAL NOT CONNECTED	20/8/3	2
87	MS-M631	CHILLED WATER PUMP 1		5	
88	MS-M632	CHILLED WATER PUMP 2		5	
89	MS-M633	COOLING TOWER PUMP 1		5	
90	MS-M634	COOLING TOWER PUMP 2		5	
91	MS-M635-1	COOLING TOWER FAN 1		5	
92	MS-M635-2	COOLING TOWER FAN 2		5	
93	OD-M996			5	
94	OD-M997			5	
95	PFC-M1	POWER FACTOR CORRECTION UNIT	150 kVAR (5 x 30 kVAR)	5	
96	P-M631	CHILLED WATER PUMP		5	
97	P-M632	CHILLED WATER PUMP		5	
98	P-M633	COOLING TOWER PUMP		5	
99	P-M634	COOLING TOWER PUMP		5	
100	P-M941	SUMP PUMP		5	
101	P-M942	SUMP PUMP		5	
102	PS-M901-1			5	
103	PS-M901-2			5	
104	PS-M901-3			5	
105	PS-M902-3			5	
106	PS-M903			5	
107	PNL-M10	120/208V, 225A, 3 PH, 4 W		5	
108	PNL-M32U	UPS PANELBOARD	120/240V, 225A, 1 PH, 3 W	5	
109	SPL-M31E	UPS SPLITTER		5	
110	TSH-M601			5	
111	TSH-M603			5	
112	TSH-M609			5	
113	TSH-M911			5	
114	TSH-M912			5	
115	TSL-M601			5	
116	TSL-M602			5	
117	TSL-M603			5	
118	TSL-M604			5	
119	TT-M601			5	
120	TT-M603			5	
121	TT-M608			5	
122	UH-M657			8	
123	UH-M658			8	
124	UH-M661			8	
125	UH-M662			8	
126	UH-M663			8	
127	UH-M664			8	
128	UH-M665			8	
129	UH-M666			8	
130	UH-M667			8	
131	UH-M668			8	
132	UH-M669			8	
133	XFMR-M1	300 kVA, 4160-600V		5	
134	XFMR-M2	300 kVA, 4160-600V		5	
135	XFMR-M10	PNL-M10	30 kVA, 600-120/208V	5	
136	XFMR-M20	PNL-A	45 kVA, 600-120/208V	5	
137	XFMR-M30E	PNL-B	25 kVA, 600-120/208V	5	
138	XFMR-M31E	UPS TRANSFORMER	15 kVA, 600-240V , 1Ø	5	
139	XFMR-M32U	PNL-M32U	ISOLATION TRANSFORMER	5	
140	XV-M041			8	
141	XV-M042			8	
142	XV-M043			8	
143	XV-M051			8	
144	XV-M052			8	
145	XV-M053			8	
146	XV-M054			8	

Notes:

- Utilize 28mm text for Line 1 and 8mm text for Line 2.
- Utilize 28mm text for Line 1, 8mm text for Line 2, and 3mm text for Line 3.
- Lamacoid to be installed on HS-M903, the AC-M903 emergency stop pushbutton station.
- This schedule is provided for reference only and the potential omission of any lamacoids on this schedule does not reduce the contractor's responsibility in providing lamacoids as specified.