

MOTOR SCHEDULE																					
MOTOR				STARTER								POWER									
EQUIP. NO.	DESCRIPTION	LOCATION	EQUIP. LOAD	V/PH	MCC	SIZE	TYPE	MAN.	MAG.	S/S	PL	H.O.A.	OVERCURRENT	LOCATION	PANEL	CCT.	FEEDER	CAP.	DISC.	INTERLOCK	REMARKS
			HP	KW									DEVICE					SIZE	TYPE		
MCC11A	Sodium Hypochlorite 600V MCC11A	Electrical room	1335.03	995.93	575/3								1000A-3P	Electrical room	SW10A		2x 3C TECK90 / AWG 750				
XFMR-LFJ11	Transformer for LFJ11 (49KVA)	Electrical room	80.32	45.00	575/3	MCC11A							50MCP	Electrical room			1x 3C TECK90 / AWG 3				
LFJ11	Distribution panel	Electrical room	45.28	35.00	208/3								125A-3P	Electrical room	XFMR-LFJ11		1x 3C TECK90 / AWG 1/0				
LC-111	Lighting panel - Low voltage	Electrical room	0.57	0.50	120/1								15A-1P	Electrical room	LFJ11	23	1x 2C TECK90 / AWG 12				
LC-112	Lighting panel - contactor	Electrical room	0.57	0.50	120/1								15A-1P	Electrical room	LFJ11	21	1x 2C TECK90 / AWG 12				
DF-111	Sodium Hypochlorite 600V Distribution Panel	Electrical room	267.01	195.19	575/3	MCC11A							250MCP	Electrical room			2x 3C TECK90 / AWG 3/0				
CP-100	Master Control Panel	Generator room	133.50	99.59	575/3								110A-3P	Generator room	DP-111	1,3,5	1x 3C TECK90 / AWG 3/0				
P-1855A	Process Water Booster Pump (Standby)	Process Area	5.20	3.73	575/3	MCC11A	1	FVNR	*	*	*	*	7MCP	Process Area			1x 3C TECK90 / AWG 12				
P-1855C	Process Water Booster Pump	Process Area	5.20	3.73	575/3	MCC11A	1	FVNR	*	*	*	*	7MCP	Process Area			1x 3C TECK90 / AWG 12				
MCC11B	Sodium Hypochlorite 600V MCC11B	Electrical room	1335.03	995.93	575/3								1000A-3P	Electrical room	SW10B		2x 3C TECK90 / AWG 750				
P-1855B	Process Water Booster Pump (Standby)	Process Area	5.20	3.73	575/3	MCC11B	1	FVNR	*	*	*	*	7MCP	Process Area			1x 3C TECK90 / AWG 12				
XFMR-LFJ12	Transformer for LFJ12 (49KVA)	Electrical room	80.32	45.00	575/3	MCC11B							50MCP	Electrical room			1x 3C TECK90 / AWG 3				
LFJ12	Distribution panel	Electrical room	45.28	35.00	208/3								125A-3P	Electrical room	XFMR-LFJ12		1x 3C TECK90 / AWG 1/0				
LCF-101	HVAC control panel	Electrical room	20.11	15.00	120/1								150A-1P	Electrical room	LFJ12	7	1x 2C TECK90 / AWG 250				
UPS-111	UPS	Electrical room	20.11	15.00	208/3								45A-3P	Electrical room	LFJ12	1,3,5	1x 3C TECK90 / AWG 4				
CP-109	P.I.C. Panel	Generator room	2.25	1.68	120/1								15A-1P	Generator room	UPS-111		1x 2C TECK90 / AWG 10				
LCF-100A	Patch Panel	Generator room	1.61	1.20	120/1								15A-1P	Generator room	UPS-111		1x 2C TECK90 / AWG 10				
LCF-101A	Communication Panel HVAC	Electrical room	1.61	1.20	120/1								15A-1P	Electrical room	UPS-111		1x 2C TECK90 / AWG 10				
DF-112	Sodium Hypochlorite 600V Distribution Panel	Electrical room	267.01	195.19	575/3	MCC11B							250MCP	Electrical room			2x 3C TECK90 / AWG 3/0				
LCF-110	Sodium Hypochlorite VFD Control Panel	Electrical room	96.75	49.80	575/3								50A-3P	Electrical room	DP-112	2,3,5	1x 3C TECK90 / AWG 3				
CR-1001	Hoist and trolley above the hypo pumps	Process Area	15.82	11.65	575/3								15A-3P	Process Area	DP-111	7,9,11	1x 3C TECK90 / AWG 10				
JC-1001	Crane	Process Area	0.23	0.17	120/1								15A-1P	Process Area	LFJ12	27	1x 2C TECK90 / AWG 12				
WELDING-001	Welding receptacle	Process Area	15.82	11.65	575/3								15A-3P	Process Area	DP-111	37,39,41	1x 3C TECK90 / AWG 10				
WELDING-002	Welding receptacle	Process Area	15.82	11.65	575/3								15A-3P	Process Area	DP-111	37,39,41	1x 3C TECK90 / AWG 10				
WELDING-003	Welding receptacle	Process Area	15.82	11.65	575/3								15A-3P	Process Area	DP-112	37,39,41	1x 3C TECK90 / AWG 10				
WELDING-004	Welding receptacle	Process Area	15.82	11.65	575/3								15A-3P	Process Area	DP-112	37,39,41	1x 3C TECK90 / AWG 10				
TR-1006	Truss Pinner	Process Area	0.40	0.30	120/1								15A-1P	Process Area	LFJ12	5	1x 2C TECK90 / AWG 12				
MAL-1852	Hypo Generator Room	Mezzanine	2.50	1.87	575/3								15A-3P	Mezzanine	DP-111	18	1x 3C TECK90 / AWG 12				070413 Addendum
SF-1850	Storage Tank Room (addition) supply fan	Mezzanine	15.00	11.19	575/3	MCC11A	1	VFD	*	*	*	*	18MCP	Mezzanine			1x 3C TECK90 / AWG 10				070413 Addendum
MAL-1851	Storage Tank Room (uncoupl)	Mezzanine	25.00	18.65	575/3								20A-3P	Mezzanine	DP-111	19,21,23	1x 3C TECK90 / AWG 8				
MAL-1852	Hypo Generator Room	Mezzanine	2.50	1.87	575/3								15A-3P	Mezzanine	DP-111	25,27,29	1x 3C TECK90 / AWG 12				070413 Addendum
SF-1852	Hypo Generator Room supply fan	Mezzanine	1.50	1.12	575/3	MCC11B	1	VFD	*	*	*	*	3MCP	Mezzanine			1x 3C TECK90 / AWG 12				070413 Addendum
EF-1852	Hypo Generator Room exhaust fan	Mezzanine	1.00	0.75	575/3	MCC11B	1	VFD	*	*	*	*	3MCP	Mezzanine			1x 3C TECK90 / AWG 12				070413 Addendum
MAL-1852	Hypo Generator Room	Mezzanine	2.50	1.87	575/3								15A-3P	Mezzanine	DP-111	25,27,29	1x 3C TECK90 / AWG 12				
EF-1853	Generator Room HR	Mezzanine	5.20	3.73	575/3	MCC11A	1	VFD	*	*	*	*	7MCP	Mezzanine			1x 3C TECK90 / AWG 12				
AHL-1854	Electrical Room AC	Mezzanine	31.70	23.85	575/3								25A-3P	Mezzanine	DP-111	31,33,35	1x 3C TECK90 / AWG 6				
ER-1850	Outside air plenum, Mezzanine Level Intake Plenum	Mezzanine	2.68	2.00	575/1								15A-1P	Mezzanine	DP-111	2,4	1x 3C TECK90 / AWG 12				
ER-1851	Outside air plenum, Mezzanine Level Intake Plenum	Mezzanine	2.68	2.00	575/1								15A-1P	Mezzanine	DP-111	6	1x 3C TECK90 / AWG 12				
ER-1851B	Outside air plenum, Mezzanine Level Intake Plenum	Mezzanine	2.68	2.00	575/1								15A-1P	Mezzanine	DP-111	10,12	1x 2C TECK90 / AWG 12				
ER-1851C	Outside air plenum, Mezzanine Level Intake Plenum	Mezzanine	2.68	2.00	575/1								15A-1P	Mezzanine	DP-111	22,24	1x 2C TECK90 / AWG 12				
ER-1852	Outside air plenum, Mezzanine Level Intake Plenum	Mezzanine	2.68	2.00	575/1								15A-1P	Mezzanine	DP-111	14,16	1x 3C TECK90 / AWG 12				
ER-1854	Outside air plenum, Mezzanine Level Intake Plenum	Mezzanine	2.68	2.00	575/1								15A-1P	Mezzanine	DP-111	18,20	1x 3C TECK90 / AWG 12				
UH-1860	Storage Tank Room (North)	Process Area	0.10	0.07	120/1								15A-1P	Process Area	LFJ12	4	1x 2C TECK90 / AWG 12				
UH-1861	Storage Tank Room (South-East)	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	6	1x 2C TECK90 / AWG 12				
UH-1862	Storage Tank Room (South)	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	8	1x 2C TECK90 / AWG 12				
UH-1863	Storage Tank Room (West)	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	10	1x 2C TECK90 / AWG 12				
UH-1864	Storage Tank Room (West)	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	12	1x 2C TECK90 / AWG 12				
EU-1865	Storage Tank Room Outside Air (North-East)	Process Area	2.20	1.69	575/3								15A-3P	Process Area	DP-112	20,22,24	1x 3C TECK90 / AWG 12				
EU-1870	Hypo Generator Room EUH	Process Area	6.70	5.00	575/3								15A-3P	Process Area	DP-112	8,10,12	1x 3C TECK90 / AWG 12				
EU-1871	Electrical Room EUH	Process Area	6.70	5.00	575/3								15A-3P	Process Area	DP-112	14,16,18	1x 3C TECK90 / AWG 12				
UH-1880	Urk Supply Fan	Process Area	0.10	0.07	120/1								15A-1P	Process Area	LFJ12	9	1x 2C TECK90 / AWG 12				
CF-1855	Storage Tanks Room Ceiling Propeller Fans	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	11	1x 2C TECK90 / AWG 12				
CF-1856	Storage Tanks Room Ceiling Propeller Fans	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	13	1x 2C TECK90 / AWG 12				
CF-1857	Storage Tanks Room Ceiling Propeller Fans	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	15	1x 2C TECK90 / AWG 12				
CF-1858	Storage Tanks Room Ceiling Propeller Fans	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	17	1x 2C TECK90 / AWG 12				
CF-1859	Storage Tanks Room Ceiling Propeller Fans	Process Area	0.12	0.09	120/1								15A-1P	Process Area	LFJ12	19	1x 2C TECK90 / AWG 12				
RT-4400	Recycler #1	Generator Room	273.68	204.17	575/3	MCC11B							250MCP	Generator Room			1x 3C TECK90 / AWG 250				
RT-4420	Recycler #2	Generator Room	273.68	204.17	575/3	MCC11A							250MCP	Generator Room			2x 3C TECK90 / AWG 3/0				
RT-4440	Recycler #3	Generator Room	273.68	204.17	575/3	MCC11B							250MCP	Generator Room			2x 3C TECK90 / AWG 3/0				
BLW-1450A	Hypochlorite Solution Blower #1	Generator Room	5.20	3.73	575/3								15A-3P	Generator Room	CP-100		1x 3C TECK90 / AWG 12				

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 Certificate of Authorization CH2M HILL Canada Ltd. No. 1441 Expiry: April 30, 2007	B.M. ELEV.	 CH2M HILL Frederickson Cooper ARCHITECTS	 EarthTech A Spinkswood Ltd. Company	ENGINEER'S SEAL ORIGINAL SIGNED BY L.D. LLEWELLYN 2007/04/13	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION WATER TREATMENT PLANT SODIUM HYPOCHLORITE BUILDING SODIUM HYPOCHLORITE AND CHEMICAL STORAGE BUILDINGS	CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER 1-0601J-D-E0541-001-01D
	DESIGNED BY: LL DRAWN BY: TL SCALE: NONE	CHECKED BY: JRL APPROVED BY: AHL RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI				