

**PANEL SCHEDULE**  
Panel DP-G101

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
SF-H222C	7.5HP	20	1	*			2	30		TVSS
VFD-H222C		3P	3	*			4	3P		
			5	*			6			
CU-H224A	17kW	20	7	*			8	20	7.5HP	EF-H226A
		3P	9	*			10	3P		VFD-H226A
			11	*			12			
SPARE		20	13	*			14	15	2HP	EF-H229A
		3P	15	*			16	3P		
			17	*			18			
SPARE		30	19	*			20			
		3P	21	*			22			
			23	*			24			
UH-H219A	5kW	15	23	*			26			
		3P	27	*			28			
			29	*			30			
			31	*			32			
			33	*			34			
			35	*			36			
Clearwell Inlet Building		150	37	*			38	90		Transformer XFMR-PP-G101
		3P	39	*			40	3P		
			41	*			42			
Space			43	*			44			Space
Space			45	*			46			Space
Space			47	*			48			Space
Space			49	*			50			Space
Space			51	*			52			Space
Space			53	*			54			Space
Space			55	*			56			Space
Space			57	*			58			Space
Space			59	*			60			Space
Space			61	*			62			Space
Space			63	*			64			Space
Space			65	*			66			Space

Voltage: 600V, 3PH, 4W  
Mains: 400A  
Location: Generator Building

Feeder:  
Main Breaker: 400A, 3P  
Power Source: XFMR-DP-G101

**PANEL SCHEDULE**  
Panel PP-G101

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Lighting - Crawlspace	560	15	1	*			2	15		Receptacle - Control Room
Lighting - Electrical Room	900	15	3	*			4	15		Receptacle - Electrical Room
Lighting - Electrical Room	900	15	5	*			6	15		Receptacle - Electrical Room
Lighting - Electrical Room	300	15	7	*			8	15		Receptacle - Mezzanine
Lighting - Generator Room	1200	15	9	*			10	15		Receptacle - Crawlspace
Lighting - Generator Room	1200	15	11	*			12	15	1HP	Sump Pump Control Panel
Exit Signs		15	13	*			14	15	.25HP	EF-H227A
Lighting - Exterior		15	15	*			16	15		Spare
Lighting - Generator Exhaust	600	15	17	*			18	15		Spare
UH-H218A	.75HP	15	19	*			20	15		Spare
			2P				21	15		Spare
UH-H205A	.75HP	15	23	*			24	15	3	Receptacle - Exterior
			2P				25	15	4	Receptacle - Exterior
UH-H210A	.75HP	15	27	*			28	15		Overhead Door
			2P				29	30		SWGR-E100 Space Heaters
TVSS		30	31	*			32	30		SWGR-E100 Space Heaters
			3P				33	30		SWGR-E100 Space Heaters
			35	*			36	30		SWGR-E200 Space Heaters
Fire Alarm Control Panel		15	37	*			38	30		SWGR-E200 Space Heaters
Spare		15	39	*			40	15		Exterior Lighting Controller
Spare		15	41	*			42	15		Spare
GN-E902A Water heater & Circulation Pump	40	43	*				44	15		Heat Tape
		2P	45	*			46	15		Heat Tape
Space			47	*			48			Space
Space			49	*			50			Space
Space			51	*			52			Space
Space			53	*			54			Space
Space			55	*			56			Space
Space			57	*			58			Space
Space			59	*			60			Space
Space			61	*			62			Space
Space			63	*			64			Space
Space			65	*			66			Space

Voltage: 120/208V/3Ø/4 wire  
Mains: 225A  
Location: Electrical Room

Feeder:  
Main Breaker: N/A  
Power Source: Transformer XFMR-PP-G101

Mounting: Surface

**PANEL SCHEDULE**  
Panel PP-G102

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Lighting - Crawlspace		15	1	*			2	15		Receptacle - Generator Room
Lighting - Electrical Room		15	3	*			4	15		Receptacle - Generator Room
Lighting - Electrical Room		15	5	*			6	15		Receptacle - Generator Room
Lighting - Generator Room		15	7	*			8	15		Receptacle - Crawlspace
Lighting - Generator Room		15	9	*			10	15	0.5HP	EF-H228A
Lighting - Under Mezzanine		15	11	*			12	3P		
Lighting - Mezzanine		15	13	*			14			
UH-H218B	.75HP	15	15	*			16	15		BAS Control Panel
		2P	17	*			18	15		BAS Control Panel
UH-H216A	.75HP	15	19	*			20	15		BAS Control Panel
		2P	21	*			22	15		BAS Control Panel
UH-H217A	.75HP	15	23	*			24	15		BAS Control Panel
		2P	25	*			26	15		BAS Control Panel
UH-H215A	.75HP	15	27	*			28	40		125VDC BATTERY CHARGER
		2P	29	*			30	3P		
TVSS		30	31	*			32			
		3P	33	*			34	20		24VDC BATTERY CHARGER
			35	*			36	40		FUEL TRANSFER CONTROL
UPS		20	37	*			38	3P		PANEL
		3P	39	*			40			
			41	*			42	15		CP-H12A
GN-E901A Water heater & Circulation Pump	40	43	*				44	15		Heat Tape
		2P	45	*			46			
GN-E903A Water heater & Circulation Pump	40	47	*				48			
		2P	49	*			50			
			51	*			52			
			53	*			54			
			55	*			56			
			57	*			58			
			59	*			60			
			61	*			62			
			63	*			64			
			65	*			66			

Voltage: 120/208V/3Ø/4 wire  
Mains: 225A  
Location: Electrical Room

Feeder:  
Main Breaker: N/A  
Power Source: Transformer XFMR-PP-G102

Mounting: Surface

**PANEL SCHEDULE**  
Panel DP-G102

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
SF-H222D	7.5HP	20	1	*			2	30		TVSS
VFD-H222D		3P	3	*			4	3P		
			5	*			6			
Welding Receptacle		30	7	*			8	15	2HP	EF-H225A
		3P	9	*			10	3P		
			11	*			12			
Welding Receptacle		30	13	*			14	20	17kW	CU-H225A
		3P	15	*			16	3P		
			17	*			18			
EF-H230A	2HP	15	19	*			20	15	2HP	EF-H231A
		3P	21	*			22	3P		
			23	*			24			
Spare		20	23	*			26	30		Spare
		3P	27	*			28	3P		
			29	*			30			
			31	*			32			
			33	*			34			
			35	*			36			
Clearwell Inlet Building		150	37	*			38	90		Transformer XFMR-PP-G102
		3P	39	*			40	3P		
			41	*			42			
Space			43	*			44			Space
Space			45	*			46			Space
Space			47	*			48			Space
Space			49	*			50			Space
Space			51	*			52			Space
Space			53	*			54			Space
Space			55	*			56			Space
Space			57	*			58			Space
Space			59	*			60			Space
Space			61	*			62			Space
Space			63	*			64			Space
Space			65	*			66			Space

Voltage: 600V, 3PH, 4W  
Mains: 400A  
Location: Generator Building

Feeder:  
Main Breaker: 400A, 3P  
Power Source: XFMR-DP-G102

**PANEL SCHEDULE**  
Panel UPS

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
CP-H112A		15	1	*			2	10		BAS Control Panel
CP-H111A		15	3	*			4	10		BAS Control Panel
LCP-H908A		15	5	*			6	10		BAS Control Panel
Spare		15	7	*			8	10		BAS Control Panel
Spare		15	9	*			10	10		BAS Control Panel
			11	*			12	10		BAS Control Panel
			13	*			14			
			15	*			16			
			17	*			18			

Voltage: 120/208V/3Ø/4 wire  
Mains: 225A  
Location: Electrical Room

Feeder:  
Main Breaker: N/A  
Power Source: PP-G102

Mounting: Surface

**APECM**  
Certificate of Authorization  
Earth Tech Canada Inc.  
No. 730 Expiry: April 30, 2007

B.M. ELEV.			
DESIGNED BY	BLM	CHECKED BY	PS
DRAWN BY	ERC	APPROVED BY	AHL
SCALE:	NTS	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
NO. REVISIONS	DATE	DATE	DATE
02	498-2006 ADDENDUM 7	06/10/19	ERC
01	498-2006 ADDENDUM 4	06/10/10	ERC
00	ISSUED FOR TENDER	06/08/30	ERC

**CH2M HILL**  
Frederickson Cooper  
ARCHITECTS

**EarthTech**  
A Terra International Ltd. Company

DESIGNED BY: BLM  
CHECKED BY: PS  
DRAWN BY: ERC  
APPROVED BY: AHL  
SCALE: NTS  
RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI

DATE: 2005/10/03  
DATE: 2006/08/30

ENGINEER'S SEAL

ORIGINAL SIGNED BY  
B.L. MOORE  
2006/08/30

CONSULTANT DRAWING NO.  
WG-E0501

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

WATER TREATMENT PLANT  
STANDBY POWER GENERATOR  
GENERATOR BUILDING

CITY FILE NUMBER  
SHEET OF  
CITY DRAWING NUMBER  
1-0601G-A-E0501-001-02D

ELECTRICAL  
SCHEDULES