SHEET: COW-A1 (05/2005)

DP-R21

Power Source: MCC 3A | Location: RESIDUALS SECOND FLOOR
Feeder: 3C #350 | Voltage: 600V/3Ø/3 wire
Main Breaker: NO A | Mounting: FLOOR
Main Lugs: 225 A

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
SLG-R100A ON WRT INLET CHANNEL	0.21	15A,3P	1	*			2	15A,3P	0.21	SLG-R200A ON WRT INLET CHANNEL
	0.21		3		*		4		0.21	
	0.21		5			*	6		0.21	
FV-R100A ON LINE TO SUPERNATANT PUMP STATION	0.19	15A,3P	7	*			8	15A,3P	0.19	FV-R200A ON LINE TO SUPERNATANT PUMP STATION
	0.19		9		*		10		0.19	
	0.19		11			*	12		0.19	
LCP-R001C SLUDGE FLOCCULATION MIXER MXR-R001C VFD	0.25	15A,3P	13	*			14	15A,3P	1.87	LCP-R710C MIXER 1 MXR-R710C VFD
	0.25		15		*		16		1.87	
	0.25		17			*	18		1.87	
FV-R710A ON LINE FROM GRAVITY THICKENNER 1	0.19	15A,3P	19	*			20	15A,3P	0.50	LCP-R500A SLUDGE THICKENER RAKE DRIVE PANEL #1
	0.19		21		*		22		0.50	
	0.19		23			*	24		0.50	
CRN-R002 MONORAIL HOIST FOR RESIDUALS SUPERNATANT PUMPS	3.15	15A,3P	25	*			26	15A,3P	3.15	CRN-R003 MONORAIL HOIST FOR RESIDUALS GRAVITY THICKENERS
	3.15		27		*		28		3.15	
	3.15		29			*	30		3.15	
SPARE		15A,3P	31	*			32			SPACE
			33		*		34			
			35			*	36			
SPACE			37	*			38			SPACE
			39		*		40			
			41			*	42			
SPACE			43	*			44			SPACE
			45		*		46			
			47			*	48			
SPACE			49	*			50			SPACE
			51		*		52			
			53			*	54			
DP-F21 FOR PILOT ROOM	26.60	100A,3P	55	*			56			SPACE
	26.60		57		*		58			
	26.60		59			*	60			
DP-R22 FOR RESIDUALS AREA EAST	13.99	60A,3P	61	*			62	60A, 3P		WELDING RECEPTACLES
	13.99		63		*		64			
	13.99		65			*	66			

Phase A Total 50.48 kW
Phase B Total 50.48 kW
Phase C Total 50.48 kW
Panel Total 151.45 kW

DP-R22

Power Source: DP-R21 | Location: RESIDUALS SECOND FLOOR
Feeder: 3C #4 | Voltage: 600V/3Ø/3 wire
Main Breaker: NO A | Mounting: FLOOR
Main Lugs: 225 A

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
SLG-R300A ON WRT INLET CHANNEL	0.21	15A,3P	1	*			2	15A,3P	0.21	SLG-R400A ON WRT INLET CHANNEL
	0.21		3		*		4		0.21	
	0.21		5			*	6		0.21	
FV-R300A ON LINE TO SUPERNATANT PUMP STATION	0.19	15A,3P	7	*			8	15A,3P	0.19	FV-R400A ON LINE TO SUPERNATANT PUMP STATION
	0.19		9		*		10		0.19	
	0.19		11			*	12		0.19	
SPARE		15A,3P	13	*			14	15A,3P	1.87	LCP-R720C MIXER 2 MXR-R720C VFD
			15		*		16		1.87	
			17			*	18		1.87	
FV-R720A ON LINE FROM GRAVITY THICKENER 1	0.19	15A,3P	19	*			20	15A,3P	0.50	LCP-R600A SLUDGE THICKENER RAKE DRIVE PANLE #2
	0.19		21		*		22		0.50	
	0.19		23			*	24		0.50	
CRN-R001 MONORAIL HOIST FOR RESIDUALS WRT TANKS	3.55	15A,3P	25	*			26	15A,3P	3.55	CRN-R005 MONORAIL HOIST FOR RESIDUALS SOUTH GALERY
	3.55		27		*		28		3.55	
	3.55		29			*	30		3.55	
CRN-R004 MONORAIL HOIST FOR RESIDUALS GRAVITY THICKENERS	3.55	15A,3P	31	*			32	15A,3P		SPARE
	3.55		33		*		34			
	3.55		35			*	36			
SPACE			37	*			38			SPACE
			39		*		40			
			41			*	42			
SPACE			43	*			44			SPACE
			45		*		46			
			47			*	48			
SPACE			49	*			50			SPACE
			51		*		52			
			53			*	54			
SPACE			55	*			56			SPACE
			57		*		58			
			59			*	60			
SPACE			61	*			62			SPACE
			63		*		64			
			65			*	66			

Phase A Total 13.99 kW
Phase B Total 13.99 kW
Phase C Total 13.99 kW
Panel Total 41.98 kW

DP-R31

Power Source: MCC 4A | Location: MECH.ROOM No.2
Feeder: 3C #3/0 | Voltage: 600V/3Ø/3 wire
Main Breaker: NO A | Mounting: FLOOR
Main Lugs: 225 A

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
MAU-H001 FILTER GALLERY SUPPLY	3.73	15A,3P	1	*			2	15A,3P	1.90	MAU-H011 PILOT PLANT ROOM SUPPLY
	3.73		3		*		4		1.90	
	3.73		5			*	6		1.90	
MAU-H012	3.73	15A,3P	7	*			8	60A,3P	11.70	LCP-R31 MECHANICAL ROOM No.2 NORTH AIR PLENUM HEATER
	3.73		9		*		10		11.70	
	3.73		11			*	12		11.70	
HRU-H022 OZONE GENERATOR ROOM HEATION AND VENTILATION	5.36	30A,3P	13	*			14	15A,3P	3.73	MAU-H021 OZONE GENERATION ROOM EMERGENCY SUPPLY
	5.36		15		*		16		3.73	
	5.36		17			*	18		3.73	
MAU-H051 DAF PROCESS GALLERY SUPPLY	7.50	15A,3P	19	*			20	60A,3P	10.00	WELDING RECEPTACLE
	7.50		21		*		22		10.00	
	7.50		23			*	24		10.00	
SPARE		15A,3P	25	*			26	40A, 3P	4.45	120/208V LOADS RESIDUALS AREA 2ND FLOOR XFMR-LP-R31
			27		*		28		3.72	
			29			*	30		5.20	
SPACE			31	*			32			SPACE
			33		*		34			
			35			*	36			
SPACE			37	*			38			SPACE
			39		*		40			
			41			*	42			
SPACE			43	*			44			SPACE
			45		*		46			
			47			*	48			
SPACE			49	*			50			SPACE
			51		*		52			
			53			*	54			
SPACE			55	*			56			SPACE
			57		*		58			
			59			*	60			
SPACE			61	*			62			SPACE
			63		*		64			
			65			*	66			

Phase A Total 52.10 kW
Phase B Total 51.37 kW
Phase C Total 52.85 kW
Panel Total 156.32 kW

APEGM
Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441 Expiry: April 30, 2006

B.M. ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	06/03/29	LL

CH2MHILL
Frederickson Cooper ARCHITECTS
EarthTech A Tyco International Ltd. Company

DESIGNED BY PF | CHECKED BY ND
DRAWN BY YFS | APPROVED BY AHL
SCALE: NTS | RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI
DATE 2005/06/29 | DATE 2006/03/29

ENGINEER'S SEAL
ORIGINAL SIGNED BY
L.D. LLEWELLYN
2006/03/29

CONSULTANT DRAWING NO.
WB-E0538

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
MAIN BUILDING
MECHANICAL AND ELECTRICAL

ELECTRICAL
PANEL SCHEDULE

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER
1-0601B-D-E0538-001-00D

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