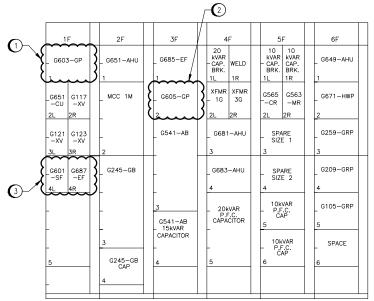
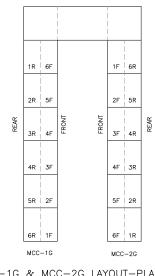
600	D VOLT	MOTOR CONTROL CENT	re — MC	C-	1G										CONNECTEI DEMAND K
	EQUIP. NUMBER	LOAD		MOTOR				STARTER			FEEDER		CIRCUIT PROTECTION		
MCC NUMBER		DESCRIPTION	LOCATION	НP	кw	FULL LOAD AMPS	EEMAC SIZE	TYPE	OVERLOAD	CAP IN AMPS	SIZE	TYPE	CONT. RATING (AMPS)	FRAME TYPE	REMARK
6F-5	G105-GRP	GRIT REMOVAL PUMP	ROOM G114	20	15	22	2	CMFVNR	FH46	30	#10	RW90	50	НМСР	
6F-4	G209-GRP	GRIT PUMP	ROOM G135	15	11.2	15.2	2	CMFVNR	FH49	30	#10	RW90	50	НМСР	
2F-3	G245-GB	GRIT BLOWER	ROOM G115	50	37.3	47.5	3	CMFVNR	FH81	85	#4	RW90	100	HMCP	
6F-3	G259-GRP	GRIT CLASSIFIER	ROOM G127	0.5	0.37	1.0	1	CMFVNR	-	20	#12	RW90	3	НМСР	
3F-3	G541-AB	CHANNEL AERATION BLOWER	ROOM G115	75	56	68	4	CMFVNR	FH85	120	#2	RW90	150	НМСР	
5F-2R	G563-MR	MONORAIL	ROOM G125	8	6	10	-	-	-	20	#12	RW90	15A-3P	HFD	OUT OF SERVICE
5F-2L	G565-CR	CRANE	ROOM G127	6.5	4.8	8	-	-	-	20	#12	RW90	15A-3P	HFD	LOCAL PACKAGED CONTROL
6F-2	G671-HWP	HOT WATER PUMP	ROOM G130	3	2.2	3.3	1	CMFVNR	FH29	20	#12	RW90	7	НМСР	-
4F-3	G681-AHU	COOLING AIR HANDLING UNIT - MOTOR ROOM	ROOM G130	5	3.7	5.6	1	CMFVNR	FH35	20	#12	RW90	15	НМСР	
4F-4	G683-AHU	RECIRCULATION UNIT - MOTOR/PUMP ROOM	ROOM G130	7.5	5.6	7.6	1	CMFVNR	FH38	20	#12	RW90	15	HMCP	
3F-1	G685-EF	EXHAUST FAN - MOTOR/PUMP ROOM	ROOM G130	1.5	1	1.8	1	CMFVNR	FH23	20	#12	RW90	7	НМСР	
3F-2	G605-GP	GLYCOL PUMP	ROOM G129		0.75	1.4		CMFVNR		15	.12 AWG	TECK90	7	HMCP	CABLE DE-RATED 50%, CE
2F-1	G651-AHU	RECIRCULATION UNIT - CONTROL ROOM	ROOM G130	$\frac{1}{1}$	2.2	1.1	$\mu_{1}$	CMFVNR	FH30	20	#12	RW90	7	нмср	
6F-1	G649-AHU	PRESSURIZATION UNIT - CONTROL ROOM	ROOM G130	2	1.5	2.2	1	CMFVNR	FH26	20	#12	RW90	7	HMCP	
1F-2L	G651-AHU	CONDENSING UNIT - CONTROL ROOM	PENTHOUSE	8	6	10.4	-	-	-	20	#12	RW90	20A-3P	HFD	
4F-2L		45 KVA 600-600/347 V TRANSFORMER "1G"	ROOM G116	-	45KVA	-	-	-	-	120	#2	RW90	60A-3P	HFD	
4F-2R		45 KVA 600-208/120 V TRANSFORMER "3G"	ROOM G116	-	45KVA	-	-	-	-	65	#6	RW90	60A-3P	HFD	
4F-1R		WELDING RECEPTACLES	RM G108/115/116	-	60	-	-	-	-	65	#6	RW90	60A-3P	HFD	
2F-2		FEED TO MCC 1M (ADMINISTRATION BUILDING)		-	200	-	-	-	-	325	350 MCM	RW90	300A-3P	KD	
5F-5		POWER FACTOR CORRECTION CAPACITOR		-	10KVAR	-	-	-	-	20	#12	RW90	-	-	CAPACITOR BREAKER IN SE
5F-1L		CAPACITOR BREAKER		-	-	-	-	-	-	20	#12	RW90	15A-3P	HFD	
5F-6		POWER FACTOR CORRECTION CAPACITOR		-	10KVAR	-	-	-	-	20	#12	RW90	-	-	CAPACITOR BREAKER IN SE
5F-1R		CAPACITOR BREAKER		-	-	-	-	-	-	20	#12	RW90	15A-3P	HFD	
4F-5		POWER FACTOR CORRECTION CAPACITOR		-	20KVAR	-	-	-	-	30	#10	RW90	-	-	CAPACITOR BREAKER IN SE
4F-1L		CAPACITOR BREAKER		-	-	-	-	-	-	30	#10	RW90	30A-3P	HFD	
2F-4		CAPACITOR FOR MOTOR G245-GB		-	10KVAR	-	-	-	-	20	#12	RW90	15A-3P	HFD	
3F-4		CAPACITOR FOR MOTOR G541-AB		-	15KVAR	-	-	-	-	20	#12	RW90	20A-3P	HFD	
5F-4	-	SPARE STARTER		-	-	-	2	CMFVNR	-	-	-	-	50	HMCP	
5F-3	-	SPARE STARTER			-	-	1	CMFVNR	-	-	-	-	30	HMCP	
1F-2R	G117-XV	WEST WET WELL INLET CHAMBER ACTUATOR	INLET CHAMBER	-	-	8.9	-	-	-	18	10 AWG	TECK90	15A-3P	HFD	CABLE DE-RATED 50%
1F-3L	G121-XV	RAW SEWAGE PUMP SUCTION VALVE ACTUATOR	ROOM G101	-	-	3.8	-	-	-	10	12 AWG	TECK90	15A-3P	HFD	CABLE DE-RATED 50%
1F-3R	G123-XV	RAW SEWAGE PUMP SUCTION VALVE ACTUATOR	ROOM G101	-	-	3.8	-	-	-	10	12 AWG	TECK90	15A-3P	HFD	CABLE DE-RATED 50%
1F-1	C603-CP	GLYCOL PUMP	ROOM G129	$\sim \gamma \sim$	0.75	1.4		CMFVNR	*****	15	12 AWG	ТЕСК90	7	НМСР	CABLE DE-RATED 50%, CE
1F-4L	G601-SF	WET WELL UPPER LEVEL SUPPLY VFD	ROOM G129	3	2.24		-	-	-	15	12 AWG	TECK90	15A-3P	HFD	CABLE DE-RATED 50%, CE
1F-4R	G687-EF	WET WELL EXHAUST FAN 1 VFD	ROOM G129	10	7.5		-	-	-	20	10 AWG	TECK90		HED	CABLE DE-RATED 50%, CE

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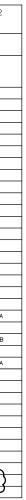


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MCC-1G & MCC-2G LAYOUT-PLAN VIEW

	MCC-TG & MCC-ZG LATOUT N.T.S.	<u>-Plan view</u>			
MCC-1G - FRONT ELEVATION N.T.S.	B.M. ELEV. A ADDED HVAC EQUIPME I di Neture Fack Way 3 ADDED BREAKERS I		NG INC.	WORKS AND OPERATIONS DIVISION WATERWORKS, WASTE & DISPOSAL DEPARTMENT	
Certificate of Authorizat	In INC-LINALINI Winniper, Monitobo Canada RJP 0X7 DESIGNET: APPROVE: 2 ADDED UNDERVOLTA	AGE 12/09 NB	CHECKED BY	SOUTH END WATER FOLLOHON CONTROL CENTRE	CITY DRAWING NUMBER
SNC-Lavalin In No. 4489	T. CHURCH C. REIMER PROTECTION TO MC	C-1G DRAWN BY N.B.	BY	PUMP & SCREEN BUILDING - ELECTRICAL MOTOR CONTROL CENTRE 1G	SHEET OF
	C. REIMER 2012/10/09 1 AS CONSTRUCTED   PR0ECT Mo. SUBDY. SUBDY. Rev. 0 ISSUED FOR TENDE   112577 0112 47 D0 0001 4 - ISSUED FOR CITY F	VERTICAL	RELEASED FOR CONSTRUCTION: CONSULTANT DRAWING NO.		SEP-829
	NO. REVISIONS	DATE BY DATE OCTOBER 1990	DATE 870012-01-20-G-E108		



MCC DETAILS: MANUFACTURE: WESTINGHOUSE MODEL: FIVE STAR ORDER NO.: 3787136 MAIN BUS AMPACTY: BOOA VOLTAGE: BOOV, 36, 3W MINIMUM INTERRUPTING RATING: 25KA

## CONSTRUCTION NOTES

USE SPARE MCC BUCKET FOR G603-GP AND MODIFY AS SHOWN ON SCHEMATIC DRAWING.

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- RE-USE EXISTING G687-EF MCC BUCKET FOR G605-GP
- INSTALL BREAKERS FOR VED'S FOR G601-SF AND G687-EF.