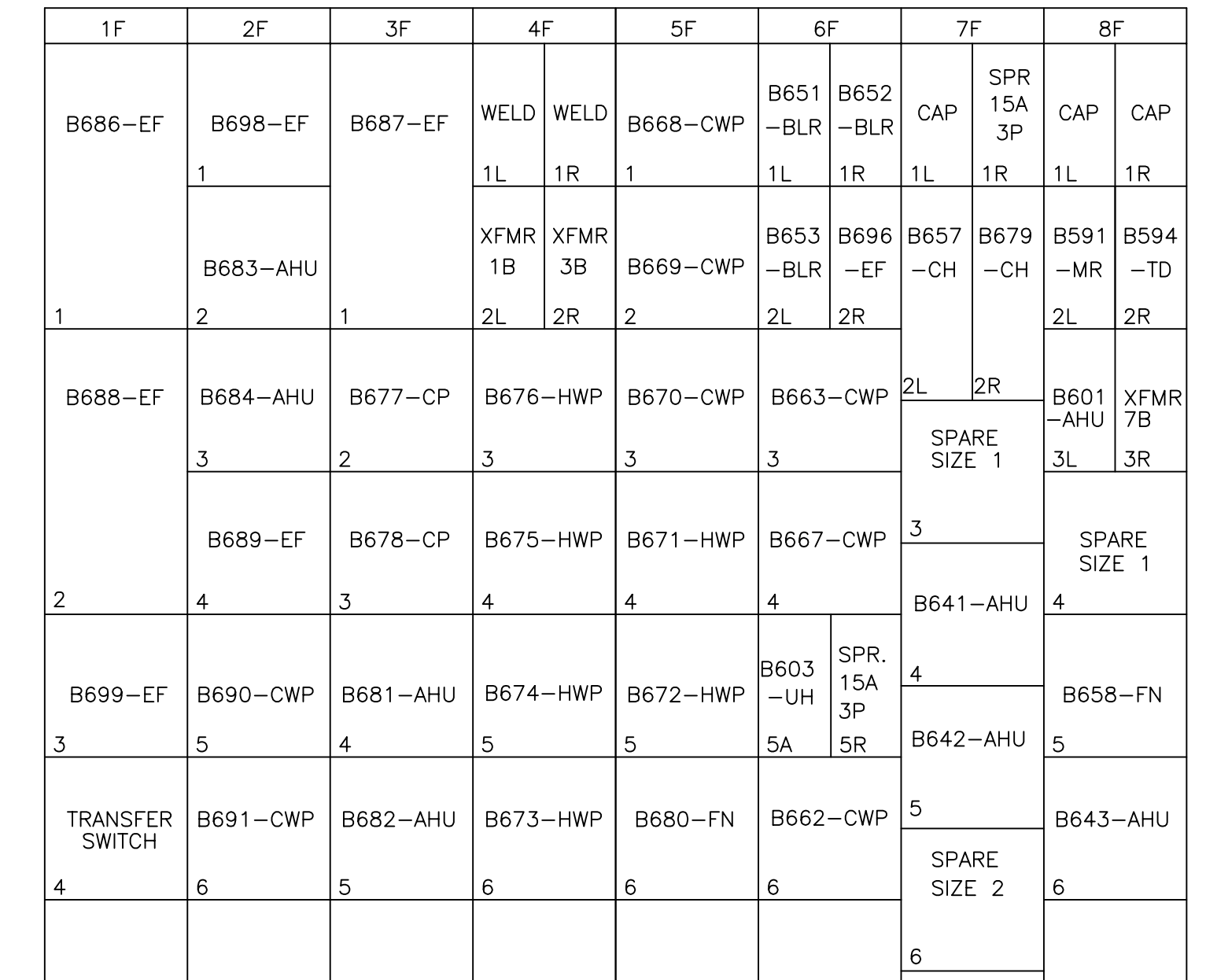


600 VOLT MOTOR CONTROL CENTRE - MCC 2B

CONNECTED KW: 618
DEMAND KW: 240

MCC NUMBER	EQUIP. NUMBER	MOTOR					STARTER		FEEDER			CIRCUIT PROTECTION		REMARKS
		DESCRIPTION	LOCATION	HP	KW	FULL LOAD AMPS	EEMAC SIZE	TYPE	CAP IN AMPS	SIZE	TYPE	CONT. RATING (AMPS)	FRAME SIZE	
1F-1	B686-EF	EXHAUST FAN - GRIT TANKS	ROOM B113	7.5	5.6	8.5	1	CMFVNR	20	#12	RW90	15	HMCP	
1F-2	B688-EF	EXHAUST FAN - GRIT TANKS	ROOM B113	7.5	5.6	8.5	1	CMFVNR	20	#12	RW90	15	HMCP	
1F-3	B699-EF	EMERGENCY EXHAUST FAN - CHLORINE ROOM	ROOM P113	2	1.5	2.7	1	CMFVNR	20	#12	RW90	7	HMCP	
1F-4		85 KW GENERATOR TRANSFER SWITCH BREAKER	ROOM B109	-	75	-	-	-	210	#1	RW90	150A-3P	HFD	
2F-1	B698-EF	EXHAUST FAN - CHLORINE ROOM	ROOM P113	0.5	0.37	0.8	1	CMFVNR	20	#12	RW90	3	HMCP	
2F-2	B683-AHU	AIR HANDLING UNIT - SHOP AREA	ROOM B113	5	3.7	5.6	1	CMFVNR	20	#12	RW90	15	HMCP	
2F-3	B684-AHU	AIR HANDLING UNIT - BOILER ROOM	ROOM B113	7.5	5.6	7.6	1	CMFVNR	20	#12	RW90	15	HMCP	
2F-4	B689-EF	EXHAUST FAN - GALLERY	ROOM B113	0.5	0.4	0.8	1	CMFVNR	20	#12	RW90	3	HMCP	
2F-5	B690-CWP	COOLING WATER PUMP-MOTOR ROOM COOLING	ROOM B103	7.5	5.6	7.5	1	CMFVNR	20	#12	RW90	15	HMCP	
2F-6	B691-CWP	COOLING WATER PUMP-MOTOR ROOM COOLING	ROOM B103	7.5	5.6	7.5	1	CMFVNR	20	#12	RW90	15	HMCP	
3F-1	B687-EF	EXHAUST FAN - GRIT TANKS	ROOM B113	7.5	5.6	8.5	1	CMFVNR	20	#12	RW90	15	HMCP	
3F-2	B677-CP	CONDENSATE PUMP - HOT FLUSHING WATER	ROOM B103	0.75	0.6	1.43	1	CMFVNR	20	#12	RW90	3	HMCP	
3F-3	B678-CP	CONDENSATE PUMP - HOT FLUSHING WATER	ROOM B103	0.75	0.6	1.43	1	CMFVNR	20	#12	RW90	3	HMCP	
3F-4	B681-AHU	AIR HANDLING UNIT - GALLERY VENTILATION	ROOM B113	7.5	7.5	7.6	1	CMFVNR	20	#12	RW90	30	HMCP	
3F-5	B682-AHU	AIR HANDLING UNIT - CHLORINE ROOM	ROOM B113	0.75	0.56	0.88	1	CMFVNR	20	#12	RW90	3	HMCP	
4F-1L		WELDING RECEPTACLES	RM. B111/B120	-	60	-	-	-	65	#6	RW90	60A-3P	HFD	
4F-1R		WELDING RECEPTACLES	RM B103/B113	-	60	-	-	-	65	#6	RW90	60A-3P	HFD	
4F-2L		45 KVA 600-600/347 V TRANSFORMER "1B"	ROOM B107	-	45KVA	-	-	-	65	#6	RW90	60A-3P	HFD	
4F-2R		45 KVA 600-208/120 V TRANSFORMER "3B"	ROOM B107	-	45KVA	-	-	-	65	#6	RW90	60A-3P	HFD	
4F-3	B676-HWP	HOT WATER CIRCULATION PUMP - AREA "B"	ROOM B103	1.5	1.1	2.0	1	CMFVNR	20	#12	RW90	7	HMCP	
4F-4	B675-HWP	HOT WATER CIRCULATION PUMP - AREA "B"	ROOM B103	1.5	1.1	2.2	1	CMFVNR	20	#12	RW90	7	HMCP	
4F-5	B674-HWP	HOT WATER CIRCULATION PUMP - AREA "P" & "S"	ROOM B103	15	11.2	14.5	2	CMFVNR	20	#12	RW90	50	HMCP	
4F-6	B673-HWP	HOT WATER CIRCULATION PUMP - AREA "P" & "S"	ROOM B103	15	11.2	14.5	2	CMFVNR	20	#12	RW90	50	HMCP	
5F-1	B668-CWP	CHILLED WATER PUMP-SERVICE BUILDING COOLING	ROOM B103	7.5	5.6	9.1	1	CMFVNR	20	#12	RW90	15	HMCP	
5F-2	B669-CWP	COOLING WATER PUMP-SERVICE BUILDING COOLING	ROOM B103	7.5	5.6	9	1	CMFVNR	20	#12	RW90	15	HMCP	
5F-3	B670-CWP	COOLING WATER PUMP-SERVICE BUILDING COOLING	ROOM B103	7.5	5.6	7.5	1	CMFVNR	20	#12	RW90	15	HMCP	
5F-4	B671-HWP	HOT WATER CIRCULATION PUMP - AREA "G" & "M"	ROOM B103	5	3.7	5.6	1	CMFVNR	20	#12	RW90	15	HMCP	
5F-5	B672-HWP	HOT WATER CIRCULATION PUMP - AREA "G" & "M"	ROOM B103	5	3.7	5.6	1	CMFVNR	20	#12	RW90	15	HMCP	
5F-6	B680-FN	COOLING TOWER FAN - MOTOR ROOM COOLING	OUTDOORS	7.5	5.6	7.6	1	CMFVNR	20	#12	RW90	15	HMCP	
6F-1L	B651-BLR	HOT WATER BOILER #1	ROOM B103	7.5	5.6	9	-	-	20	#12	RW90	20A-3P	HFD	
6F-1R	B652-BLR	HOT WATER BOILER #2	ROOM B103	7.5	5.6	9	-	-	20	#12	RW90	20A-3P	HFD	
6F-2L	B653-BLR	PROCESS STEAM BOILER	ROOM B103	5	3.7	6.1	-	-	20	#12	RW90	15A-3P	HFD	
6F-2R	B696-EF	WELDING BOOTH EXHAUST FAN/CONTROLS	ROOM B118	1	0.75	-	-	-	20	#12	RW90	15A-3P	HFD	PACKAGED UNIT C/W CONTROLS
6F-3	B663-CWP	CHILLED WATER PUMP-MOTOR ROOM COOLING	ROOM B103	7.5	5.6	7.5	1	CMFVNR	20	#12	RW90	15	HMCP	
6F-4	B667-CWP	CHILLED WATER PUMP-SERVICE BUILDING COOLING	ROOM B103	7.5	5.6	9.1	1	CMFVNR	20	#12	RW90	15	HMCP	
6F-5L	B603-UH	CHEM. STORAGE BLDG. UNIT HEATER	CHEM. STORAGE	-	20	20	-	-	45	#8	RW90	30A-3P	HFD	PACKAGED AHU C/W CONTROLS
6F-5R		SPARE BREAKER	-	-	-	-	-	-	-	-	-	15A-3P	HFD	
6F-6	B662-CWP	CHILLED WATER PUMP-MOTOR ROOM COOLING	ROOM B103	7.5	5.6	7.5	1	CMFVNR	20	#12	RW90	15	HMCP	
7F-1L		CAPACITOR BREAKER	-	-	-	-	-	-	30	#10	RW90	30A-3P	HFD	20KVAR CAPACITOR
7F-1R		SPARE BREAKER	-	-	-	-	-	-	-	-	-	15A-3P	HFD	
7F-2L	B657-CH	CHILLER-SERVICE BUILDING COOLING	ROOM B103	80	60	85	-	-	155	#1/0	RW90	150A-3P	HFD	PACKAGED CHILLER C/W CONTROLS
7F-2R	B679-CH	CHILLER - MOTOR ROOM COOLING	ROOM B103	100	75	120	-	-	155	#1/0	RW90	150A-3P	HFD	PACKAGED CHILLER C/W CONTROLS
7F-3		SRARE STARTER	-	-	-	-	1	CMFVNR	-	-	-	30	HMCP	
7F-4	B641-AHU	AIR HANDLING UNIT-SERVICE BLDG. EXTENSION	ROOM B124	.75	0.56	1.2	1	CMFVNR	20	#12	RW90	3	HMCP	
7F-5	B642-AHU	INSTRUMENT RMS PRESSURIZATION UNIT	ROOM B124	0.75	0.56	3	1	CMFVNR	20	#12	RW90	3	HMCP	
7F-6		SRARE STARTER	-	-	-	-	2	CMFVNR	-	-	-	50	HMCP	
8F-1L		CAPACITOR BREAKER	-	-	-	-	-	-	30	#10	RW90	30A-3P	HFD	20KVAR CAPACITOR
8F-1R		CAPACITOR BREAKER	-	-	-	-	-	-	30	#10	RW90	30A-3P	HFD	20KVAR CAPACITOR
8F-2L	B591-MR	MONORAIL	ROOM B111	3	2.2	3.9	-	-	20	#12	RW90	15A-3P	HFD	
8F-2R	B594-TD	TRUCK DOOR	ROOM B111	0.5	0.37	0.8	-	-	20	#12	RW90	15A-3P	HFD	
8F-3L	B601-AHU	AIR HANDLING UNIT - CHEMICAL STORAGE BUILDING	CHEM. ST. BLDG.	1	0.75	1.3	-	-	20	#12	RW90	15A-3P	HFD	PACKAGED AHU C/W CONTROLS
8F-3R		45 KVA 600-208/120 V TRANSFORMER "7B"	ROOM B107	-	45KVA	-	-	-	65	#6	RW90/TECK	60A-3P	HFD	LOCATED IN SERVICE BLDG. ELECT. RM.
8F-4		SPARE STARTER	-	-	-	-	1	CMFVNR	-	-	-	7	HMCP	
8F-5	B658-FN	COOLING TOWER FAN-SERVICE BUILDING COOLING	ROOF	7.5	7.5	8.6	1	CMFVNR	20	#12	RW90	30	HMCP	
8F-6	B643-AHU	INSTRUMENT ROOMS RECIRCULATION UNIT	ROOM B124	1.5	1.1	1.6	1	CMFVNR	20	#12	RW90	7	HMCP	



MCC 2B - FRONT ELEVATION

NOTE: FOR DETAIL OF MCC 2B SWITCH GEAR SECTION, TO WESTINGHOUSE DRAWING 14B7005 IN O&M MANUAL.

AS CONSTRUCTED
DATE AUG/93 BY RH
APPROVED BY B.T.

B.M. ELEV.					
DESIGNED BY	B.T.	CHECKED BY			
DRAWN BY	N.B.	APPROVED BY			
1 AS CONSTRUCTED	08/93	B.T.			
0 ISSUED FOR TENDER	12/91	B.T.			
- ISSUED FOR CITY REVIEW	05/91	B.T.			
NO. REVISIONS	DATE	BY	DATE		
			OCTOBER 1990		

MACLAREN ENGINEERS INC.	
WARDROP ENGINEERING INC.	
ENGINEERING CONSULTANTS	
CONSULTANT DRAWING NO.	870012-01-20-B-E304

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
WATERWORKS, WASTE & DISPOSAL DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SERVICE BUILDING EXPANSION-ELECTRICAL
MOTOR CONTROL CENTRE 2B

CITY DRAWING NUMBER
SHEET OF
SEP-908

SNC-LAVALIN INC. 148 Notre Park Way Winnipeg, Manitoba Canada R3P 0K7				
FOR REFERENCE ONLY				
PROJECT No.	SUBDY.	SUBJECT	SERIAL	REV.
112577	0105	47 DD	0203	1