MECHANICAL AND EQUIPMENT SCHEDULE

MOTOR				STARTER									POWER		POWER			DETAIL DWG. WIRE DIAGRAM	REMARKS
EQUIP. NO.	DESCRIPTION	EQUIP. LOAD	VOLT/Ø	SIZE	TYPE	MAN.	MAG.	S/S	PL	HOA	OVERCURRENT DEVICE	LOCATION	PANEL	CCT	FEEDER	CAPACITOR SIZE	DISCONNECT TYPE		
F-1	EXHAUST FAN	FRAC.	120/1				*	*			15A, 1P	ROOF	CJ		2 #12AWG, 21C		1P-15A CSA 1		CONTROLLED BY METASYS
F-2	EXHAUST FAN	FRAC.	120/1				*	*			15A, 1P	PENTHSE.	CJ	04	2 #12AWG, 21C		1P-15A CSA 1		CONTROLLED BY METASYS
F-3	EXHAUST FAN	FRAC.	120/1			*		*			15A, 1P	MAIN FLR.	CB	12	2 #12AWG, 21C		1P-15A CSA 1		THERMOSTAT CONTROLLED
F-4	EXHAUST FAN	FRAC.	120/1				*	*	*		15A, 1P	2ND FLR.	CG	32	2 #12AWG, 21C		1P-15A CSA 1		CONTROLLED BY METASYS
F-5	EXHAUST FAN	FRAC.	120/1			*	*	*	*		15A, 1P	CRAWL SP.	CH	07	2 #12AWG, 21C		1P-15A CSA 1		CONTROLLED BY METASYS
AH-4	AIR HANDLING UNIT	18.7 kW	600/3								30A,3P	ROOF			3 #10AWG, 21C		3P-30A CSA 3R		PACKAGE UNIT
AH-6	AIR HANDLING UNIT	3 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	N. MECH.	MCC200N		3 #12AWG, 21C		3P-30A CSA 1		CONTROLLED BY METASYS
AH-7	AIR HANDLING UNIT	3 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	N. MECH.	MCC200N		3 #12AWG, 21C		3P-30A CSA 1		CONTROLLED BY METASYS
AH-8	AIR HANDLING UNIT	2 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	N. MECH.	MCC200N		3 #12AWG, 21C		3P-30A CSA 1		CONTROLLED BY METASYS
AH-9	AIR HANDLING UNIT	16 kW	600/3								30A,3P	ROOF			3 #10AWG, 21C		3P-30A CSA 3R		PACKAGE UNIT
AH-10	AIR HANDLING UNIT	23 kW	600/3								30A,3P	ROOF			3 #10AWG, 21C		3P-30A CSA 3R		PACKAGE UNIT
AH-11	AIR HANDLING UNIT	28 kW	600/3								35A,3P	ROOF			3 #8AWG, 21C		3P-60A CSA 3R		PACKAGE UNIT
AH-12	AIR HANDLING UNIT	110 kW	600/3								125A,3P	ROOF			3 #1AWG, 35C		3P-200A CSA 3R		PACKAGE UNIT
CU-6	CONDENSING UNIT	9.4 kW	600/3								15A, 3P	ROOF	MCC200N		3 #12AWG, 21C		3P-30A CSA 3R		PACKAGE UNIT
CU-7	CONDENSING UNIT	9.4 kW	600/3								15A, 3P	ROOF	MCC200N		3 #12AWG, 21C		3P-30A CSA 3R		PACKAGE UNIT
CU-8	CONDENSING UNIT	7 kW	600/3								15A, 3P	ROOF	MCC200N		3 #12AWG, 21C		3P-30A CSA 3R		PACKAGE UNIT
EP-1	ELEVATOR	20 HP	600/3								50A, 3P	2ND FLR.	MCC400P		3 #10AWG, 21C		3P-30A CSA 1		PACKAGE UNIT, DIRECT CONNECTION
EL-1	ELEVATOR LIGHTS	300W	120/1								15A, 1P	PENTHSE.	CJ	16	2 #12AWG, 21C		1P-15A CSA 1		
UH-1	ELECTRIC UNIT HEATER	5 kW	600/3								15A, 3P	CRAWL SP.	MCC 300N		3 #12AWG, 21C		3P-15A CSA 1		THERMOSTAT CONTROLLED
UH-2	ELECTRIC UNIT HEATER	5 kW	600/3								15A, 3P	CRAWL SP.	MCC 300N		3 #12AWG, 21C		3P-15A CSA 1		THERMOSTAT CONTROLLED
UH-3	ELECTRIC UNIT HEATER	5 kW	600/3								15A, 3P	CRAWL SP.	MCC 300N		3 #12AWG, 21C		3P-15A CSA 1		THERMOSTAT CONTROLLED
UH-4	ELECTRIC UNIT HEATER	5 kW	600/3								15A, 3P	SERV. SP.	EXIST.		3 #12AWG, 21C		3P-15A CSA 1		THERMOSTAT CONTROLLED
UH-5	ELECTRIC UNIT HEATER	5 kW	600/3								15A, 3P	SERV. SP.	EXIST.		3 #12AWG, 21C		3P-15A CSA 1		THERMOSTAT CONTROLLED
B-1	BOILER	FRAC.	120/1								15A, 1P	PENTHSE.	CJ	13	2 #12AWG, 21C				CONTROLLED BY METASYS
B-2	BOILER	FRAC.	120/1								15A, 1P	PENTHSE.	CJ	15	2 #12AWG, 21C				CONTROLLED BY METASYS
B-3	BOILER	FRAC.	120/1								15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				CONTROLLED BY METASYS
B-4	BOILER	FRAC.	120/1								15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				CONTROLLED BY METASYS
B-5	BOILER	FRAC.	120/1								15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				CONTROLLED BY METASYS
B-6	BOILER	FRAC.	120/1								15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				CONTROLLED BY METASYS
P-1	CIRCULATION PUMP	3 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	PENTHSE.			3 #12AWG, 21C				
P-2	CIRCULATION PUMP	3 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	PENTHSE.			3 #12AWG, 21C				
P-3	AHU CIRCULATION PUMP	3 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	N. MECH.	MCC200N		3 #12AWG, 21C		3P-30A CSA 1		
P-4	AHU CIRCULATION PUMP	3 HP	600/3	1	FVNR		*	*	*	*	7 HMCP	N. MECH.	MCC200N		3 #12AWG, 21C		3P-30A CSA 1		
PB-1	BOILER CIRCULATION PUMP	150 W	120/1			*					15A, 1P	PENTHSE.	CJ	17	2 #12AWG, 21C				
PB-2	BOILER CIRCULATION PUMP	150 W	120/1			*					15A, 1P	PENTHSE.	CJ	19	2 #12AWG, 21C				
PB-3	BOILER CIRCULATION PUMP	150 W	120/1			*					15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				
PB-4	BOILER CIRCULATION PUMP	150 W	120/1			*					15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				
PB-5	BOILER CIRCULATION PUMP	150 W	120/1			*					15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				
PB-6	BOILER CIRCULATION PUMP	150 W	120/1			*					15A, 1P	N. MECH.	EX. LP-6		2 #12AWG, 21C				
BB-LLG	BATTERY BANK - LOBBY, LIBRARY, GYM		600/1								15A, 1P	PENTHSE.							
BB-PN	BATTERY BANK - POOL SOUTH		600/1								15A, 1P								
BB-PN	BATTERY BANK - POOL NORTH		600/1								15A, 1P								
AH1	AIR HANDLING UNIT		600/3								--								EXISTING
AH2	AIR HANDLING UNIT	10 HP	600/3								--	S. MECH.	MCC300N						EXIST. REFED, CNTRL. BY METASYS
AH3	AIR HANDLING UNIT	3 HP	600/3								--	S. MECH.	MCC300N						EXIST. REFED, CNTRL. BY METASYS
AH5	AIR HANDLING UNIT	1/3 HP	120/1								--	S. MECH.	CDPA						EXIST. PROVIDE SEP. STARTER
MCP-1	METASYS EXTENDED MAIN CONTROLLER	500W	120/1								15A, 1P	BSMNT.							
MCP-2	METASYS CONTROL MODULE	200W	120/1								15A, 1P	N. MECH.							
MCP-3	METASYS CONTROL MODULE	200W	120/1								15A, 1P	S. MECH							
MCP-4	METASYS CONTROL MODULE	200W	120/1								15A, 1P	PENTHSE.							
DM-1	DAMPER MOTOR POWER		120/1								15A, 1P	2ND FLR.	CJ	20					CONN. 24V XFMR SUPP BY MECH.
DM-2	DAMPER MOTOR POWER		120/1								15A, 1P	2ND FLR.	CJ	22					CONN. 24V XFMR SUPP BY MECH.

NOTES

1. ALL OVERCURRENT AND DEVICE SIZES SHOWN ON MECHANICAL AND EQUIPMENT SCHEDULE ARE PRELIMINARY. COORDINATE WITH EQUIPMENT SUPPLIED.
2. UNIT HEATERS ACCEPTABLE MANUFACTURERS: OUELLET, CHROMALOX, CALORITECH. STANDARD OF ACCEPTANCE: OUELLET MODEL #OAS05036
3. UNLESS INDICATED OTHERWISE, MECHANICAL EQUIPMENT IS CONTROLLED BY METASYS FACILITIES MANAGEMENT SYSTEM. EXISTING EQUIPMENT REFED IS CONTROLLED BY EXISTING METASYS SYSTEM. NEW EQUIPMENT IS CONTROLLED BY NEW METASYS EXTENDED SYSTEM.

DESCRIPTION: Motor Schedule and MCC layout
DATE: 2007.02.21
FILE NAME: F953-001-01_01-E-8001_RX.dwg
ADDRESS: 999 Sargent St. Winnipeg, Manitoba
PROJECT No: F953-001-01
PLOT: 07/07/20 2:28:22 PM
UMA FILE NAME: F953-001-01_01-E-8003_RX.dwg

UMA | AECOM

APEGM Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: July 23, 2007

DRN	CHK	DES	ENG	IDR
SCK				

UMA | AECOM REVIEW

NO.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	QL	07/07/23

SEALS

PROVINCE OF MANITOBA
S. K SMART
Member
20996
July 23, 2007
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY	SCK	CHECKED BY	APPROVED
DATE	2007.07.11	USER APPROVAL	

Winnipeg
CITY OF WINNIPEG
PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 – 65 GARRY ST. R3C 4K4

PROJECT
Construction of Cindy Klassen Recreation Complex Facility Enhancement Project
999 Sargent St. Winnipeg, Manitoba

SHEET TITLE
Electrical
Motor Schedule

SCALE	PROJECT NO.	SHEET NO.
N.T.S.	2005-059	E8.3

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1