

EQUIPMENT SCHEDULE																																	
EQUIPMENT				DESCRIPTION	LOCATION	POWER REQUIREMENTS				SUPPLY PANEL				CABLE				STARTER			LOCAL DISC.			CONTROL			NOTES						
TAG	M	M	E			HP	KW	MCA	VOLTAGE	PHASE	PANEL NAME	BREAKER	DISCONNECT SWITCH	TIME-DELAY FUSE	POLES	NUMBER OF RUNS	NUMBER OF WIRES	WIRE SIZE (AWG) (COPPER)	CONDUIT SIZE	SIZE	TYPE (NOTE 20)	SUPPLIED	INSTALLED	CONNECTED	TYPE	SUPPLIED		INSTALLED	CONNECTED	TYPE	SUPPLIED	INSTALLED	CONNECTED
P-1	M	M	E		1.5		575	3	DP-600-M	15	.	.	3	1	3	12	21mm	1	MAG	E	E	E	3R	E	E	E	DDC	M	M	M	10,7,4		
P-2	M	M	E		1.5		575	3	DP-600-M	15	.	.	3	1	3	12	21mm	1	MAG	E	E	E	3R	E	E	E	DDC	M	M	M	10,7,4		
GP-1	M	M	E	Glycol Pressure Package			120	1	EXIST	15	.	.	1	.	3	12	16mm	.	.	.	.	.	E	E	E	DDC	M	M	M	7,4,5	
AHU-1	M	M	E	Air Handling Unit			575	3	DP-600-M	15	.	.	3	1	3	12	21mm	.	VFD	E	E	E	3R	E	E	E	DDC	.	.	.	9,7		
AHU-2	M	M	E	Air Handling Unit			575	3	DP-600-M	20	.	.	3	1	3	10	21mm	.	VFD	E	E	E	3R	E	E	E	DDC	.	.	.	9,7		
CU-1	M	M	E	Remote Condensing Unit (for AHU-1)			575	3	DP-600-M	25	.	.	3	1	3	10	21mm	.	.	.	.	WP	E	E	E	DDC	.	.	.	4,7	
CU-2	M	M	E	Remote Condensing Unit (for AHU-2)			575	3	DP-600-M	50	.	.	3	1	3	6	35mm	.	.	.	.	WP	E	E	E	DDC	.	.	.	4,7	
EF-1	M	M	E	Exhaust Fan		frac.	120	1	EXIST	15	.	.	1	.	2	12	16mm	.	FRA	E	E	E	LS	E	E	E	DDC	M	M	M	12,10,7		
EF-2	M	M	E	Exhaust Fan		frac.	120	1	EXIST	15	.	.	1	.	2	12	16mm	.	FRA	E	E	E	LS	E	E	E	DDC	M	M	M	13,10,7		
DDC	M	M	E	DDC System		See Mechanical	120	1	EXIST	.	.	.	1	.	2	12	16mm	.	.	.	.	.	.	.	.	.	.	.	.	.	6,5,7,4,11

EQUIPMENT SCHEDULE LEGEND:

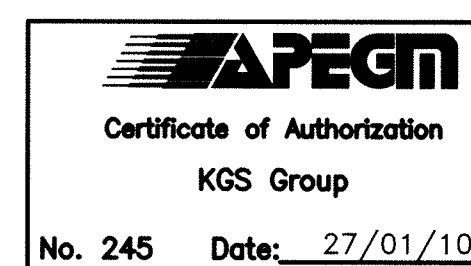
O OWNER
 E ELECTRICAL CONTRACTOR
 M MECHANICAL CONTRACTOR
 LS LINE VOLTAGE SWITCH
 HOA HAND/OFF/AUTO SWITCH
 VFD VARIABLE FREQUENCY DRIVE
 MAG MAGNETIC STARTER
 MAN MANUAL STARTER
 DDC DIRECT DIGITAL CONTROL
 FD FUSED DISCONNECT
 NFD NON-FUSED DISCONNECT
 ECP EQUIPMENT CONTROL PANEL
 FVNR FULL VOLTAGE NON-REVERSING
 FRA FRACTIONAL HORSEPOWER
 FRAC LESS THAN 1 HP

NOTES:

- 100% DUTY/STAND-BY OPERATION.
- 100% DUTY/STAND-BY OPERATION c/w INVERTER DUTY RATED MOTOR.
- TO BE CONTROLLED BY VFD.
- EQUIPMENT TO BE CONFIRMED ON SITE WITH MECHANICAL CONTRACTOR AND FINAL SHOP DRAWINGS.
- REQUIRES A 120V RECEPTACLE.
- COORDINATE NUMBER AND LOCATION OF DDC PANELS AND OPERATOR WORK STATIONS WITH CONTROLS CONTRACTOR.
- REFER TO KGS MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT.
- PROVIDE MANUAL WALL SWITCH C/W LABELLING.
- MOTOR DISCONNECT SWITCH TO BE C/W PRE-BREAK (AUXILIARY) CONTROL CONTACTORS. THE WIRES FOR THIS CONTROL CONTACT SHALL BE RUN IN THE SAME RACEWAY AS THE POWER CONDUCTORS.
- STARTER TO BE C/W HAND/OFF/AUTO SWITCH.
- CIRCUITING SHALL BE BY CONTRACTOR. PROVIDE A 120V 15A SINGLE POLE CONNECTION. EXTEND 1/2" CONDUIT c/w #12 AWG RW90 FROM EQUIPMENT TO NEAREST PANEL. CONTRACTOR IS PERMITTED TO GROUP CIRCUITS WHERE APPROPRIATE.
- EXISTING PIECE OF EQUIPMENT. PROVIDE NEW STARTER AND LOCAL DISCONNECT.
- EXISTING LOCATION WITH NEW EQUIPMENT. PROVIDE NEW STARTER AND LOCAL DISCONNECT.

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	VOLTAGE	LAMPS	DESIGN BASICS
A	SEMI-INDIRECT 3 LAMP & 8 FIXTURE c/w 60% DOWNLIGHT COMPONENT AIRCRAFT CABLE SUSPEND 3' BELOW DECK	120V	3-32W T8 4100°K	LEDALIGHT 7706-T03-D SERIES .
B	HIGH IMPACT FIXTURE c/w ELECTRONIC BALLAST	120V	2-32W T8 4100°K	KENALL ES12 SERIES .
C	WALL MOUNTED SCONCE CYLINDER	120V	1-42W TRT 4100°K	GOHAM CVF8 SERIES .

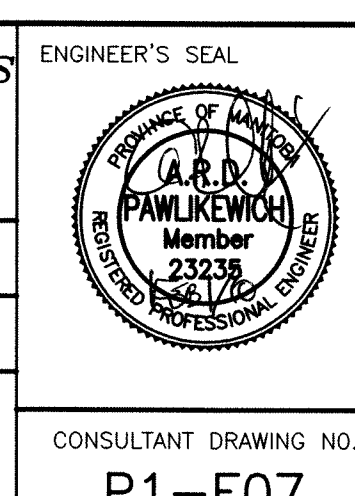
KGS FILE NO.: P:\PROJECTS\2008\08-0107-09\DWG\MECH\08-0107-09M001.dwg



B.M. ELEV.	
DESIGNED BY	AP
DRAWN BY	GCN
HOR. SCALE:	AS SHOWN
VERTICAL:	
ISSUED FOR TENDER	27/01/10
NO. REVISIONS	BY

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
 WINNIPEG (204) 896-1209
 THUNDER BAY (807) 345-2233

DESIGNED BY: AP
 CHECKED BY: [Signature]
 DRAWN BY: GCN
 APPROVED BY: [Signature]
 HOR. SCALE: AS SHOWN
 VERTICAL: .
 RELEASED FOR CONSTRUCTION: .
 DATE: .



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

Winnipeg

PROJECT TITLE: FORT ROUGE LEISURE CENTRE HVAC UPGRADES - PHASE 1

CONSULTANT DRAWING NO. P1-E07

SHEET 001 OF 001
 COMPUTER FILE NAME: 08-0107-09E07
 CITY DRAWING NUMBER

ELECTRICAL SCHEDULES