



1 SINGLE LINE DIAGRAM  
 E4.1 N.T.S.

MECHANICAL SCHEDULE														
ITEM	DESCRIPTION	MCA	HP	KW	VOLTAGE	#	FLA	STARTER	SIZE	LOCATION	FUSE	BREAKER	FEEDERS	NOTES
FC-301	FAN COIL	4.2	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-302	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-303	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-304	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-305	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-306	-	5.8	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-307	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-308	-	4.2	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-309	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-310	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-311	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-312	-	5.8	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-313	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-314	-	9.1	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-315	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-316	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-317	-	9.1	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-318	-	5.8	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-319	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-320	-	9.1	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-321	-	9.1	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-401	-	4.2	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-402	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-403	-	10.9	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-404	-	5.8	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-405	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-406	-	4.2	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-407	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-408	-	6	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-409	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-410	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-411	-	3.5	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-412	-	10.9	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-413	-	10.9	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-414	-	10.9	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-415	-	10.9	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-416	-	9.1	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
FC-417	-	10.9	-	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-

2 MECHANICAL MOTOR SCHEDULE  
 E4.1 N.T.S.

ITEM	DESCRIPTION	MCA	HP	KW	VOLTAGE	#	FLA	STARTER	SIZE	LOCATION	FUSE	BREAKER	FEEDERS	NOTES
AC-1	ROOM 414 AIR CONDITIONING UNIT	-	-	-	208V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
CU-1	CONDENSING UNIT FOR AC-1	27	-	-	208V	1	-	N	-	-	-	30A	3 #10 AWG RW90 + #10 INS. BND IN 21C.	-
AC-2,3,4	CEILING SUSPENDED AIR CONDITIONERS	-	-	-	208V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
CU-2,3,4	OUTDOOR CONDENSING UNITS	16.5	-	-	208V	1	-	N	-	-	-	20A	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-
P-1A	FAN COIL CHILLED WATER LOOP PUMP	-	10	-	208V	3	-	VFD	-	-	-	50A	3 #8 AWG RW90 + #10 INS. BND IN 27C.	UNIT C/W WITH FACTORY VFD. ELECTRICAL CONTRACTOR SHALL PROVIDE CONNECTION FROM SOURCE TO VFD. FROM VFD TO MOTOR.
P-1B	FAN COIL CHILLED WATER LOOP PUMP	-	10	-	208V	3	-	VFD	-	-	-	50A	3 #8 AWG RW90 + #10 INS. BND IN 27C.	UNIT C/W WITH FACTORY VFD. ELECTRICAL CONTRACTOR SHALL PROVIDE CONNECTION FROM SOURCE TO VFD. FROM VFD TO MOTOR.
EF-1	INLINE EXHAUST FAN	-	3/4	-	208V	3	-	Y	-	-	-	15A	3 #12 AWG RW90 + #12 INS. BND IN 21C.	ELECTRICAL CONTRACTOR SHALL PROVIDE UNIT MOUNTED FVNR STARTER FOR EF-1.
EF-2	CABINET EXHAUST FAN	-	-	0.135	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	ELECTRICAL CONTRACTOR SHALL PROVIDE LOCAL SPEED DIAL FOR EF-2.
EF-3	CABINET EXHAUST FAN	-	-	0.135	208V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	ELECTRICAL CONTRACTOR SHALL PROVIDE LOCAL SPEED DIAL FOR EF-3.
EF-4	CABINET EXHAUST FAN	-	-	0.373	208V	1	-	Y	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	ELECTRICAL CONTRACTOR SHALL PROVIDE UNIT MOUNTED FVNR STARTER FOR EF-4.

EQUIPMENT SCHEDULE														
ITEM	DESCRIPTION	MCA	HP	KW	VOLTAGE	#	FLA	STARTER	SIZE	LOCATION	FUSE	BREAKER	FEEDERS	NOTES
RD-1	ROLLING DOOR	-	3/4	-	120V	1	-	N	-	-	-	-	3 #12 AWG RW90 + #12 INS. BND IN 21C.	-

ASSOCIATION OF PROFESSIONAL ENGINEERS  
 OF SASKATCHEWAN  
 CERTIFICATE OF AUTHORIZATION  
 RITENBURG & ASSOCIATES LTD.  
 NUMBER 52  
 PERMISSION TO CONSULT HELD BY:  
 DISCIPLINE: ELECTRICAL SASK. REG. NO. 11782 SIGNATURE: *[Signature]*

Project Title/Titre du projet  
**SHARED LEARNING FACILITY  
 REGINA, SK**

Approved by/Approve par

Designed by/Concept par  
**BDK,SBK,GTK**

Drawn by/Dessine par  
**BDK**

Project Manager/Administrateur de Projets  
**AC**

Architectural and Engineering Resources Manager/  
 Ressources Architectural et de Directeur d'Ingénierie

Client/client

Drawing Title/Titre du dessin  
**SINGLE LINE DIAGRAM AND  
 MECHANICAL MOTOR SCHEDULE**

