

- 1.) EXISTING PANEL "MDPA" IS A EATON, TYPE RRL10, 120 / 208 VOLT, 3 PHASE, 4 WIRE, NEW BRANCH BREAKERS SHALL BE TYPE "BAB", 10 KA RATED, SUPPLY AND INSTALL THE FOLLOWING BRANCH BREAKERS IN EXISTING PANEL MDPA FOR NEW MECHANICAL LOADS.
- 1 @ 15A-2P (BB-1)
 - 1 @ 15A-2P (CONV-1)
 - 1 @ 15A-2P (AC-1)
 - 1 @ 40A-2P (COND-1)
 - 1 @ 20A-2P (HC-1)
 - 1 @ 15A-2P (HC-2)



Public Works and
Government Services
Canada



Travaux Publics et
Services gouvernementaux
Canada



ENGINEERS - PROJECT MANAGEMENT

902.566.9223

info@mcaconsultants.ca
www.mcaconsultants.ca



RICHARDSON ASSOCIATES
(1993) Limited
Engineering Consultants

Telephone
Facsimile
E-mail

902 566 4044
902 566 4089
baser@ral93.com

PO. Box 1087
685 North River Road, Suite 1
Charlottetown, Prince Edward Island
Canada C1A 7M6

LEGEND

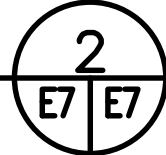
- EXISTING EQUIPMENT TO BE REMOVED
- EXISTING EQUIPMENT TO REMAIN
- NEW EQUIPMENT
- \$2P 2 POLE TOGGLE SWITCH
- \$M HORSE POWER RATED TOGGLE SWITCH
- ELECTRICAL PANEL, SURFACE MOUNTED
- DISCONNECT SWITCH
- 4X NEMA 4X RATED EQUIPMENT
- WP WEATHERPROOF
- er EXISTING EQUIPMENT TO BE REMOVED
- e EXISTING EQUIPMENT TO REMAIN

ELECTRICAL SERVICE SCHEMATIC



MECHANICAL EQUIPMENT SCHEDULE										
ID#	DESCRIPTION	VOLTAGE	AMPERE	KW	PHASE	FEED FROM	CIRCUIT BREAKER	WIRING	TERMINATION	COMMENTS
BB-1	ELECTRIC BASEBOARD HEATER	208	-	1.5	1	PANEL A1	15A-2P	2C #12 AWG AC-90	DIRECT CONNECT	CONTROL WIRING BY DIV 15
CONV-1	ELECTRIC CONVECTION HEATER	208	-	2.0	1	PANEL A1	15A-2P	2C #12 AWG AC-90	DIRECT CONNECT	CONTROL WIRING BY DIV 15
FF-1	HYDRONIC FORCE FLOW HEATER	120	30	-	1	PANEL A1	15A-1P	2C #12 AWG AC-90	HORSEPOWER RATED TOGGLE SWITCH	CONTROL WIRING BY DIV 15
AC-1	MINI-SPLIT AIR COND (INSIDE UNIT)	208	.38	-	1	PANEL MDPA	15A-2P	2 #12 AWG N 21mm C		CONTROL WIRING & POWER WIRING BETWEEN INSIDE AND OUTSIDE UNIT BY DIV 15
ACC-1	MINI-SPLIT AIR COND (OUTSIDE UNIT)	208	31	-	1	PANEL MDPA	30A-2P	2 #10 AWG IN 27mm C	DISCONNECT PROVIDED BY DIV. 15	CONTROL WIRING BY DIV 15
HC-1	ELECTRIC DUCT HEATER	208	-	3.0	1	PANEL MDPA	30A-2P	2 #10 AWG N 21mm C	DISCONNECT PROVIDED BY DIV. 15	CONTROL WIRING BY DIV 15
HC-2	ELECTRIC DUCT HEATER	208	-	2.0	1	PANEL MDPA	15A-2P	2 #10 AWG N 21mm C	DISCONNECT PROVIDED BY DIV. 15	CONTROL WIRING BY DIV 15

EQUIPMENT SCHEDULE



0	ISSUED FOR TENDER	10/11/21
revisions		date
project		projet

ARDGOWAN
HVAC CONTROLS UPGRADE
CHARLOTTETOWN,
QUEENS CO., PE

drawing dessin

ELECTRICAL DETAILS

designed	RLS	conçu
date	MAY 7, 2021	
drawn	RLS	dessiné
date	MAY 7, 2021	
approved	RLS	approuvé
date	MAY 7, 2021	
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSCG	
project number		no. du projet
	R.116036.001	
drawing no.		no. du dessin
	E7 of 7	

