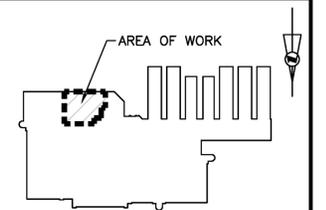
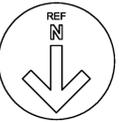




SNC-Lavalin Inc.  
Halifax, Nova Scotia, Canada  
Member of the SNC-Lavalin Group



KEY PLAN



O1	ISSUED FOR TENDER	01/25/2018
revisions		date
project		projct

**AAFC RESEARCH CENTRE MICRO WINERY  
AAFC KENTVILLE RESEARCH CENTRE  
KENTVILLE, NS**

drawing / dessin

**ELECTRICAL PANEL SCHEDULES**

designed	S.R./S.M.	conçu
date	2018-01-25	
drawn	S.M.	dessiné
date	2018-01-25	
approved	D.C.	approuvé
date	2018-01-25	
Tender		Soumission
GM		
PWGSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
<b>R.083308.001</b>		
drawing no.		no. du dessin

**E3**

PANEL 2U											
VOLTS: 120/208		PHASE: 3	AMPS: 225A	IC: 10kA	LOCATION: STORAGE RM 2049a						
MAINS: LUGS		BUS: COPPER		ENCL TYPE: TYPE 1 CW SPRINKLER HOOD		MOUNTING: SURFACE					
WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER			DESCRIPTION	LOAD (WATTS)	WIRE	BREAKER		
			AMP	POLES	CT				AMP	POLES	CT
-	-	LIGHTS ROOM 2045 (E)	15	1	1	2	1	15	LIGHTS ROOM 2045 (E)	-	-
-	-	LIGHTS ROOM 2045 (E)	15	1	3	4	1	15	LIGHTS ROOM 2045 (E)	-	-
-	-	LIGHTS ROOM 2045 (E)	15	1	5	6	1	15	LIGHTS ROOM 2045 (E)	-	-
-	-	LIGHTS ROOM 2054 (E)	15	1	7	8	1	15	LIGHTS ROOM 2045 (E)	-	-
-	-	LIGHTS ROOM 2054 (E)	15	1	9	10	1	15	SPARE	-	-
-	-	LIGHTS ROOM 2054 (E)	15	1	11	12	1	15	LIGHTS MEZZANINE LEVEL	-	2#12 + #12 BND
-	-	LIGHTS ROOM 2049A (E)	15	1	13	14	1	15	ICE MACHINE (E)	-	-
-	-	EXIT CORRIDOR LIGHTS (E)	15	1	15	16	1	15	SPARE	-	-
-	-	SPARE	15	1	17	18	1	15	FLUORESCENT LIGHTS RM. 2045 (E)	-	-
2#12 + #12 BND	-	LIGHTS LEVEL 2	15	1	19	20	1	15	FLUORESCENT LIGHTS RM. 2045 (E)	-	-
2#12 + #12 BND	-	LIGHTS LEVEL 2	15	1	21	22	1	15	LIGHTS IN RANGE HOOD MIDDLE WEST (E)	-	-
2#12 + #12 BND	-	LIGHTS LEVEL 2	15	1	23	24	1	15	LIGHTS IN RANGE HOOD EAST (E)	-	-
2#12 + #12 BND	-	LIGHTS ROOM 2051	15	1	25	26	1	15	LIGHTS MEZZANINE LEVEL	-	2#12 + #12 BND
2#12 + #12 BND	-	LIGHTS MEZZANINE LEVEL	15	1	27	28	1	15	LIGHTS MEZZANINE LEVEL	-	2#12 + #12 BND
2#12 + #12 BND	-	LIGHTS LEVEL 2	15	1	29	30	1	15	LIGHTS MEZZANINE LEVEL	-	2#12 + #12 BND
-	-	SPARE	15	1	31	32	1	15	SPARE	-	-
-	-	SPARE	15	1	33	34	1	15	SPARE	-	-
-	-	SPARE	15	1	35	36	1	15	SPARE	-	-
-	-	SPARE	-	-	37	38	-	-	SPACE	-	-
-	-	SPARE	-	-	38	40	-	-	SPACE	-	-
-	-	SPARE	-	-	41	42	-	-	SPACE	-	-

(E) - INDICATES EXISTING LOAD

PANEL PR											
VOLTS: 120/208		PHASE: 3	AMPS: 225A	IC: 10kA	LOCATION: STORAGE RM 2049a						
MAINS: LUGS		BUS: COPPER		ENCL TYPE: TYPE 1 CW SPRINKLER HOOD		MOUNTING: SURFACE					
WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER			DESCRIPTION	LOAD (WATTS)	WIRE	BREAKER		
			AMP	POLES	CT				AMP	POLES	CT
2#12 + #12 BND	-	RECEPTACLES ROOM 2052A	20	1	1	2	1	20	RECEPTACLES ROOM 2052A	-	2#12 + #12 BND
2#12 + #12 BND	-	RECEPTACLES ROOM 2052A	20	1	3	4	1	20	RECEPTACLES ROOM 2052A	-	2#12 + #12 BND
2#12 + #12 BND	-	RECEPTACLES ROOM 2052A	20	1	5	6	1	15	GLYCOL PUMP (E)	-	-
2#12 + #12 BND	-	RECEPTACLES MEZZANINE	20	1	7	8	1	20	RECEPTACLES ROOM 2052A	-	2#12 + #12 BND
2#12 + #12 BND	-	RECEPTACLES MEZZANINE	20	1	9	10	1	20	SPARE	-	-
2#12 + #12 BND	-	RECEPTACLES MEZZANINE	20	1	11	12	1	20	RECEPTACLES ROOM 2051	-	2#12 + #12 BND
2#12 + #12 BND	-	RECEPTACLES FLOOR BOX	20	1	13	14	1	20	RECEPTACLES FLOOR BOX	-	2#12 + #12 BND
-	-	SPARE	20	1	15	16	1	20	SPARE	-	-
-	-	SPARE	20	1	17	18	1	15	MISCELLANEOUS (E)	-	-
-	-	CABINET HEATERS RM. 2054 1/2 HP (E)	15	1	19	20	-	-	-	-	-
-	-	PROPANE VALVES 3 (E)	15	1	21	22	3	30	POWER FOR REFRIGERATED GARAGE (E)	-	-
2#12 + #12 BND	-	RECEPTACLES MEZZANINE	20	1	23	24	-	-	-	-	-
2#12 + #12 BND	-	RECEPTACLES NORTH CORRIDOR RM 2045	20	1	25	26	1	15	2050 CORRIDOR (E)	-	-
2#12 + #12 BND	-	RECEPTACLES SOUTH CORRIDOR RM 2045	20	1	27	28	1	15	WALL RECEPT. ROOM 2054 (E)	-	-
-	-	SOUTH WALL (E)	15	1	29	30	1	15	WALL RECEPT. ROOM 2054 (E)	-	-
-	-	SPARE	20	1	31	32	1	15	WALL RECEPT. ROOM 2054 (E)	-	-
-	-	LIGHTS NEW ROOM ABOVE (E)	15	1	33	34	1	15	LIGHTS NEW ROOM ABOVE (E)	-	-
-	-	LIGHTS NEW ROOM ABOVE (E)	15	1	35	36	1	15	LIGHTS NEW ROOM ABOVE (E)	-	-
-	-	SPARE	30	3	37	38	1	20	SPARE	-	-
-	-	RANGE HOOD #1 1/2 HP (E)	30	3	39	40	1	20	SPARE	-	-
-	-	SPARE	-	-	41	42	1	20	SPARE	-	-

(E) - INDICATES EXISTING LOAD

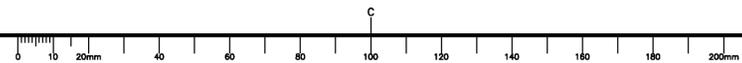
PANEL EM11											
VOLTS: 120/208		PHASE: 3	AMPS: 225A	IC: 10kA	LOCATION: STORAGE RM 2049a						
MAINS: LUGS		BUS: COPPER		ENCL TYPE: TYPE 1 CW SPRINKLER HOOD		MOUNTING: SURFACE					
WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER			DESCRIPTION	LOAD (WATTS)	WIRE	BREAKER		
			AMP	POLES	CT				AMP	POLES	CT
-	-	SPARE	20	1	1	2	1	15	ALARM PANEL	-	2#12 + #12 BND
-	-	SPARE	20	1	3	4	1	15	CONTROL PANEL	-	2#12 + #12 BND
-	-	SPARE	20	1	5	6	1	15	CONTROL PANEL	-	2#12 + #12 BND
-	-	SPARE	20	1	7	8	1	15	SOUTH WALL RECEPT (E)	-	-
-	-	SOUTH WALL RECEPT (E)	15	1	9	10	1	20	RECEPTACLES ROOM 2045	-	2#12 + #12 BND
-	-	SOUTH WALL RECEPT (E)	15	1	11	12	1	15	SOUTH WALL RECEPT (E)	-	-
-	-	SOUTH WALL RECEPT (E)	15	1	13	14	1	15	SOUTH WALL RECEPT (E)	-	-
-	-	MISCELLANEOUS (E)	15	1	15	16	1	15	MISCELLANEOUS (E)	-	-
-	-	MISCELLANEOUS (E)	15	1	17	18	1	15	SOUTH WALL RECEPT (E)	-	-
-	-	SOUTH WALL RECEPT (E)	15	1	19	20	1	15	VACUUM PUMP (E)	-	-
-	-	SPARE	20	1	21	22	1	15	VACUUM PUMP (E)	-	-
-	-	SPARE	20	1	23	24	1	15	VACUUM PUMP (E)	-	-
-	-	UNITHERM (E)	15	1	25	26	1	15	LEGARD RETORT (E)	-	-
-	-	UNITHERM (E)	40	1	27	28	1	15	LEGARD RETORT (E)	-	-
-	-	UNITHERM (E)	15	1	29	30	1	15	LEGARD RETORT (E)	-	-
-	-	NIRO ATOMIZER (E)	15	1	31	32	2	40	CHILLER SYSTEM	5837	2#8 + #10 BND
-	-	NIRO ATOMIZER (E)	15	1	33	34	2	40	CHILLER SYSTEM	5837	2#8 + #10 BND
-	-	NIRO ATOMIZER (E)	15	1	35	36	1	15	EXIT SIGNS	-	2#12 + #12 BND

(E) - INDICATES EXISTING LOAD

PANEL PRC											
VOLTS: 120/208		PHASE: 3	AMPS: 225A	IC: 10kA	LOCATION: STORAGE RM 2049a						
MAINS: LUGS		BUS: COPPER		ENCL TYPE: TYPE 1 CW SPRINKLER HOOD		MOUNTING: SURFACE					
WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER			DESCRIPTION	LOAD (WATTS)	WIRE	BREAKER		
			AMP	POLES	CT				AMP	POLES	CT
2#12 + #12 BND	187	EU-1	15	2	1	2	2	15	EU-2	187	2#12 + #12 BND
2#12 + #12 BND	3000	UH-4	20	1	5	6	1	15	CU-1	1770	3#6 + #8 BND
2#12 + #12 BND	2570	HP-1A	20	2	7	8	3	60	CU-1	1770	3#6 + #8 BND
3#12 + #12 BND	559	OVERHEAD DOOR EAST	15	3	13	14	3	30	DISHWASHER	8610	3#10 + #12 BND
3#12 + #12 BND	5000	UH-2	20	3	19	20	3	20	UH-1	5000	3#12 + #12 BND
2#12 + #12 BND	187	EU-3	15	2	23	24	1	20	UH-3	3000	2#12 + #12 BND
2#12 + #12 BND	187	EU-5	15	2	27	28	2	15	UH-5	3000	2#12 + #12 BND
2#12 + #12 BND	746	GARBURATOR RM 2045 RECEPTACLE	20	1	31	32	1	15	EU-4	187	2#12 + #12 BND
2#12 + #12 BND	746	GARBURATOR RM 2045 RECEPTACLE	20	1	33	34	1	15	POWER EH-1	1600	3#12 + #12 BND
3#10 + #12 BND	6000	GLYCOL HEATER	25	3	37	38	1	20	POWER EH-2	5200	3#12 + #12 BND
2#12 + #12 BND	-	PROJECTOR SCREEN	15	1	41	42	-	-	-	-	-
2#12 + #12 BND	1920	MAINTENANCE RECEPTACLE ROOF CHILL	20	1	43	44	-	-	-	-	-
2#12 + #12 BND	1920	MAINTENANCE RECEPTACLE ROOF COND	20	1	45	46	3	15	OVERHEAD DOOR WEST	559	3#12 + #12 BND
2#12 + #12 BND	-	FOB ACCESS ROOM 2051	15	1	47	48	-	-	-	-	-
2#12 + #12 BND	60	LED TOUCHSCREEN MEZZANINE	15	1	49	50	2	20	CABLE REEL ROOM 2045	3328	2#12 + #12 BND
2#12 + #12 BND	640	POWER HRV-1	15	1	51	52	2	20	SPARE	-	-
2#12 + #12 BND	3328	CABLE REEL ROOM 2045	20	2	53	54	1	20	SPARE	-	-
-	-	SPACE	-	-	55	56	1	20	SPARE	-	-
-	-	SPACE	-	-	57	58	-	-	SPACE	-	-
-	-	SPACE	-	-	59	60	-	-	SPACE	-	-
-	-	SPACE	-	-	61	62	-	-	SPACE	-	-
-	-	SPACE	-	-	63	64	-	-	SPACE	-	-
-	-	SPACE	-	-	65	66	-	-	SPACE	-	-
-	-	SPACE	-	-	67	68	-	-	SPACE	-	-
-	-	SPACE	-	-	69	70	-	-	SPACE	-	-
-	-	SPACE	-	-	71	72	-	-	SPACE	-	-

**GENERAL NOTES:**

- CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY INSPECT THE EXISTING CONDITIONS. INDICATED CCTS ARE FOR INFORMATION ONLY. CONTRACTOR TO TRACE BRANCH CIRCUITS FOR ALL ELECTRICAL EQUIPMENT BACK TO THE SOURCE. USE NEXT AVAILABLE CIRCUIT FOR POWER SOURCE. PROVIDE AN UPDATED TAPED PANEL DIRECTORY FOR NEW PANEL.



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