

 <b>SNC-LAVALIN</b>	<b>I/O LIST - PLC-G11</b>		Document Code	112577-0116-48EL-0002
			Revision	00
Client City of Winnipeg				
Project SEWPCC Ventilation and Misc. Upgrades				
Package / Area				
Prepared By	Name	Signature	Date	
	T. Church		2012-10-15	
Checked By	Name	Signature	Date	
	C. Reimer		2012-10-15	
Approved By	Name	Signature	Date	
	C. Reimer		2012-10-15	
Notes / Comments			Seal	
			Original Document Sealed By: T. M. Church SNC Lavalin Inc. Member #32682 2012-10-15 Rev. 00	

Revisions					
Rev	Description	Date	By	Checked	Approved
00	Issued for Tender	2012-10-15	T. Church	C. Reimer	C. Reimer

Discrete Inputs

PLC	Slot	Point	Tag	Description	0 State	1 State	Notes
G11	1	0	G682-UL	G682-AHU Ready	Not Ready	Ready	120 VAC relay in CP
G11	1	1	G682-MM	G682-AHU Running	Stopped	Running	120 VAC relay in CP
G11	1	2	G692-YS	G692-EF Auto Mode	Not Auto	Auto	120 VAC relay in CP
G11	1	3	G692-UL	G692-EF Fan Ready	Not Ready	Ready	120 VAC relay in CP
G11	1	4	G692-MM	G692-EF Fan Running	Stopped	Running	120 VAC relay in CP
G11	1	5	G692-ZSC	G692-EF Damper Closed	Not Closed	Closed	120 VAC relay in CP
G11	1	6	G692-ZSO	G692-EF Damper Open	Not Open	Open	120 VAC relay in CP
G11	1	7		SPARE			120 VAC relay in CP
G11	1	8		SPARE			120 VAC relay in CP
G11	1	9		SPARE			120 VAC relay in CP
G11	1	10		SPARE			120 VAC relay in CP
G11	1	11		SPARE			120 VAC relay in CP
G11	1	12		SPARE			120 VAC relay in CP
G11	1	13		SPARE			120 VAC relay in CP
G11	1	14		SPARE			120 VAC relay in CP
G11	1	15		SPARE			120 VAC relay in CP
G11	1	16	G682-YS	G682-AHU Auto Mode	Not Auto	Auto	
G11	1	17	G682-FSL	G682-AHU No Flow	No Flow	Flow	
G11	1	18	G682-TSL	G682-AHU Low Temperature	Low	Normal	
G11	1	19		SPARE			
G11	1	20		SPARE			
G11	1	21		SPARE			
G11	1	22		SPARE			
G11	1	23		SPARE			
G11	1	24		SPARE			
G11	1	25		SPARE			
G11	1	26		SPARE			
G11	1	27		SPARE			
G11	1	28		SPARE			
G11	1	29		SPARE			
G11	1	30	G902-EL-1	LCP-G2 PS01 Power OK	Fail	Okay	
G11	1	31	G902-EL-2	LCP-G2 PS02 Power OK	Fail	Okay	

Discrete Outputs

PLC	Slot	Point	Tag	Description	0 State	1 State	Notes
G11	2	0	G682-MN	G682-AHU Run Command	Stop	Run	Relay in CP
G11	2	1	G692-MN	G692-EF Fan Run Command	Stop	Run	Relay in CP
G11	2	2		SPARE			Relay in CP
G11	2	3		SPARE			Relay in CP
G11	2	4		SPARE			Relay in CP
G11	2	5		SPARE			Relay in CP
G11	2	6		SPARE			Relay in CP
G11	2	7		SPARE			Relay in CP
G11	2	8		SPARE			
G11	2	9		SPARE			
G11	2	10		SPARE			
G11	2	11		SPARE			
G11	2	12		SPARE			
G11	2	13		SPARE			
G11	2	14		SPARE			
G11	2	15		SPARE			

## Analog Inputs

Rack	Slot	Point	Tag	Description	Type	EU Range	Notes
G11	3	0	G682-TT-1	G682-AHU Outdoor Air Temperature	4-20 mA	-40-40 °C	
G11	3	1	G682-TT-2	G682-AHU Supply Air Temperature	4-20 mA	-40-40 °C	
G11	3	2	G682-TT-3	G682-AHU Return Air Temperature	4-20 mA	0-50 °C	
G11	3	3	G682-PDT	Grit Electrical Room Differential Pressure	4-20 mA	-100 - 100 Pa	
G11	3	4	G692-TT	Electrical Room Temperature - VFD Area	4-20 mA	0-50 °C	
G11	3	5	G682-ZT-1	G682-AHU Intake Air Damper Position	0-10 V	0 - 90°	
G11	3	6	G682-ZT-2	G682-AHU Return Air Damper Position	0-10 V	0 - 90°	
G11	3	7	G682-ZT-3	G682-AHU Relief Air Damper Position	0-10 V	0 - 90°	
G11	4	0		SPARE	N/A		
G11	4	1		SPARE	N/A		
G11	4	2		SPARE	N/A		
G11	4	3		SPARE	N/A		
G11	4	4		SPARE	N/A		
G11	4	5		SPARE	N/A		
G11	4	6		SPARE	N/A		
G11	4	7		SPARE	N/A		

## Analog Outputs

PLC	Slot	Point	Tag	Description	Type	EU Range	Notes
G11	5	0	G682-FY-1	G682-AHU Intake Air and Return Air Damper	0-10 V	0 - 100%	
G11	5	1	G682-PY-3	G682-AHU Relief Air Damper	0-10 V	0 - 100%	
G11	5	2	G682-TY-1	G682-AHU Heating Valve Control	0-10V	0 - 100%	
G11	5	3	G682-TY-2	G682-AHU Cooling Valve Control	0-10V	0 - 100%	
G11	6	0		SPARE			
G11	6	1		SPARE			
G11	6	2		SPARE			
G11	6	3		SPARE			