


Drawing name: K:\A\A000234 580 Booth Controls\400\A000234-M42 points list part 1.dwg Nov 04, 2013 - 8:43am

I/O Point Summary Table																	
PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:			INT. AHU-01/02/03/04				
AREA IDENTIFIER:		INTERIOR ZONE AHU-01/AHU-02/AHU-03/AHU-04				MCU NUMBER:		«5»		EMCS System Identifier:			«8»				
AREA EXPANSION:		«3»				LOCATION OF MCU:		«6»		EMCS System Expansion:			«9»				
1	2	3	4	5	6	7	8	9	10	11	12	13					
POINT IDENTIFICATION					AUXILIARY DEVICES				ALARMS		BI/BO	BI	BO	APPLICABLE PROGRAMS AND/OR NOTES			
POINT #	POINT IDENTIFIER	POINT EXPANSION	TYPE	ENG UNITS	CONTROLLED OR AUXILIARY SENSING DEVICE, TYPE OF SENSOR OR OUTPUT DEVICE	SUPPLIED	INSTALLED	WIRED	CR CA MA	ANALOG LIMITS		CONTACT	ACTION				HEAVY DUTY MOTOR
						DIVISION				L1	H1	NO NC	C/R O/R				DELAY
1	RASP	Return Air Static Pressure	AI	Pa	Pressure Sensor	25	25	25	CA							New Sensor	
2	SRH	Space Relative Humidity	AI	% RH	Humidity Sensor	25	25	25	CA	0.25	0.6					New Sensor	
3	MAD	Motorized Air Damper	AO	%	Transducer/Damper Actuator	25	25	25								New Transducer/Existing Damper&Actuator	
4	MAD	Motorized Air Damper	AO	%	Transducer/Damper Actuator	25	25	25								New Transducer/Existing Damper&Actuator	
5	FDP	Filter Differential Pressure	AI	Pa	Differential Pressure Sensor	25	25	25	MA							New Sensor	
6	MAT	Mixed Air Temperature	AI	°C	Temperature Sensor	25	25	25	CA	8°C	30°C					New Sensor	
7	PSS	Pump Start/Stop	BO	ON/OFF	Relay			25								Existing Relay	
8	PST	Pump Status	BI	ON/OFF	Relay			25	CR							Existing Relay	
9	HECV	Heat Exchanger Control Valve	AO	%	Transducer/Valve Actuator	25	25	25								New Transducer/Existing Valve&Actuator	
10	LHCAT	Leaving Heating Coil Air Temperature	AI	°C	Temperature Sensor	25	25	25	CA	10°C	25°C					New Sensor	
11	FZ	Freezestat	BI	Normal/Alarm	Freezestat			25	CR	4°C						Existing Freezestat	
12	HUMCV	Humidifier Control Valve	AO	%	Control Valve Actuator			25								Existing Valve&Actuator	
13	CCCV	Cooling Coil Control Valve	AO	%	Transducer/Valve Actuator	25	25	25								New Transducer/Existing Valve&Actuator	
14	SFSS	Supply Fan Start/Stop	BO	ON/OFF	Relay			25								Existing Relay	
15	SFST	Supply Fan Status	AI	ON/OFF	Relay			25	CR							Existing Relay	
16	SFVFD	Supply Fan VFD	AO	%	VFD			25								Existing VFD	
17	SFSP	Supply Fan Speed	AI	% RPM	VFD			25	CA							Existing VFD	
18	SFLD	Supply Fan Load	AI	A	VFD			25	CA							Existing VFD	
19	SFSTP	Supply Fan Status Pressure	AI	Pa	Differential Pressure Sensor	25	25	25	CA	50Pa	500Pa					New Sensor	
20	SARH	Supply Air Relative Humidity	AI	% RH	Humidity Sensor	25	25	25	CA	0.20	0.85					New Sensor	
21	SAT	Supply Air Temperature	AI	°C	Temperature Sensor	25	25	25	CA	10°C	25°C					New Sensor	
22	FS	Flow Station	AI	L/s	Flow Station			25								Existing Flow Station/New DP Sensor	
23	DSP	Duct Static Pressure	AI	Pa	Static Pressure Sensor	25	25	25	CA	10Pa	375Pa					New Sensor	
24	SAHLSP	Supply Air High Limit Static Pressure	AI	Pa	Static Pressure Sensor	25	25	25	CR		1000Pa					New Sensor	
25	RA2CO1	Return air 1 - Carbon dioxide	AI	PPM	Carbone Dioxide Sensor	25	25	25	CA							New Sensor	
26	RA2CO2	Return air 2 - Carbon dioxide	AI	PPM	Carbon Dioxide Sensor	25	25	25	CA							New sensor	
27	FA11	Floor air relative humidity	AI	%RH	Humidity Sensor	25	25	25	CA							New Sensor	
NOTE 1: THE SHARED RESPONSIBILITIES SHOWN IN COLUMN 7 REFERS TO THE SUPPLY, INSTALLATION AND WIRING OF THE CONTROLLED																	
DEVICE OR AUXILIARY SENSING DEVICE LISTED IN COLUMN 6.																	
NOTE 2: CR - CRITICAL; CA - CAUTIONARY; MA - MAINTNANCE; C/R - CLOSES ON RISE OF MEASURED VALUE; O/R - OPENS ON RISE OF MEASURED VALUE																	



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Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

E	Issued for 100% review	2013-10-04
D	Issued for 99% review	2013-05-03
C	Issued for 66% review	2013-02-08
B	Issued for 33% review	2013-01-04
A	Issued for design development review	2012-11-02
revisions	description	date

A
C

A detail no.
no. du detail
B location drawing no.
sur dessin no.
C drawing no.
dessin no.

A
B
C

project

project

BUILDING AUTOMATION SYSTEM CONSOLIDATION

580 BOOTH, OTTAWA, ON

drawing

dessin

MECHANICAL POINTS LIST PART 1

Designed By	CHRISTIAN WORKMAN	Conçu par
Date	AUGUST 2012	(yyyy/mm/dd)
Drawn By	HANI KARAM	Dessiné par
Date	AUGUST 2012	(yyyy/mm/dd)
Reviewed By	GREG SANTYR	Examiné par
Date	SEPTEMBER 2012	(yyyy/mm/dd)
Approved By	DANIEL ROY	Approuvé par
Date	SEPTEMBER 2012	(yyyy/mm/dd)
Tender	CORY CAMPBELL	Soumission
Project Manager		Administrateur de projets
Project no.		No. du projet
	R.041796.002	
Drawing no.		No. du dessin
	M42 of 53	