



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
	<p>A detail no. no. du detail</p> <p>B location drawing no. sur dessin no.</p> <p>C drawing no. dessin no.</p>	

project	projet
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BUILDING AUTOMATION SYSTEM CONSOLIDATION

580 BOOTH, OTTAWA, ON

drawing	dessin
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MECHANICAL POINTS LIST PART 2

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	
Project Manager	Administrateur de projets	
Project no.	No. du projet	

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I/O Point Summary Table																			
PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:				PER. AHU-01/02/03					
AREA IDENTIFIER:		PERIMETER ZONE AHU-01/AHU-02/AHU-03				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				
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	APPLICABLE PROGRAMS AND/OR NOTES
										DIVISION		L1				H1	NO NC	C/R O/R	
1	RASP	Return Air Static Pressure			AI	Pa	Pressure Sensor			25	25	25	CA						New Sensor
2	MAD	Motorized Air Damper			AO	%	Transducer/Damper Actuator			25	25	25							New Transducer/Existing Damper&Actuator
3	MAT	Mixed Air Temperature			AI	°C	Temperature Sensor			25	25	25	CA	8°C	30°C				New Sensor
4	FDP	Filter Differential Pressure			BI	Pa	Differential Pressure Sensor			25	25	25	MA						New Sensor
5	FZ	Freezestat			BI	Normal/Alarm	Freezestat					25	CR	4°C					Existing Freezestat
6	HUMCV	Humidifier Control Valve			AO	%	Control Valve Actuator					25							Existing Valve&Actuator
7	CCCV	Cooling Coil Control Valve			AO	%	Transducer/Valve Actuator			25	25	25							New Transducer/Existing Valve&Actuator
8	LCCAT	Leaving Cooling Coil Air Temperature			AI	°C	Temperature Sensor			25	25	25	CA						New Sensor
9	HCCV	Heating Coil Control Valve			AO	%	Transducer/Valve Actuator			25	25	25	CA						New Transducer/Existing Valve&Actuator
10	SFSS	Supply Fan Start/Stop			BO	ON/OFF	Relay					25							Existing Relay
11	SFST	Supply Fan Status			BI	ON/OFF	Relay					25	CR						Existing Relay
12	SAH	Supply Air Relative Humidity			AI	% RH	Humidity Sensor			25	25	25	CA	0.20	0.85				New Sensor
13	SAT	Supply Air Temperature			AI	°C	Temperature Sensor			25	25	25	CA	10°C	25°C				New Sensor
14	RACO2	Return air carbon dioxide			AI	PPM	Carbone dioxide Sensor			25	25	25	CA						New Sensor
15	UFAH	Upper floor air relative humidity			AI	%RH	Humidity Sensor					25	CA						New Sensor
16	LF AH	Lower floor air relative humidity			AI	%RH	Humidity Sensor					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																			