


Drawing name: C:\Users\hani.karam\appdata\local\temp\AcPublish_5860\A000234-M54 points list part 13.dwg Nov 05, 2013 - 2:33pm


I/O Point Summary Table

PWGSC PROJECT NO:		R.041796.002			CONSULTANT:	CIMA				M&E System Reference:				AHU-21	
AREA IDENTIFIER:		AHU-21			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	0 1 2 3 4 5 6 7 8 9 A B C D E F	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	CR CA MA	ANALOG LIMITS		0 0 Z 1 2 3 4 5 6 7 8 9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	APPLICABLE PROGRAMS AND/OR NOTES
						DIVISION				L1	H1	NO NC	C/R O/R	DELAY	
1	SFSS	Supply Fan Start/Stop	BO	ON/OFF	Relay			25							Existing Relay
2	SFST	Supply Fan Status	BI	ON/OFF	Relay			25	CR						Existing Relay
3	SFVFD	Supply Fan VFD	AO	%	VFD			25							Existing VFD
4	SFSP	Supply Fan Speed	AI	% RPM	VFD			25	CA						Existing VFD
5	SFLD	Supply Fan Load	AI	A	VFD			25	CA						Existing VFD
6	RFSS	Return Fan Start/Stop	BO	ON/OFF	Relay			25							Existing Relay
7	RFST	Return Fan Status	BI	ON/OFF	Relay			25	CR						Existing Relay
8	RFVFD	Return Fan VFD	AO	%	VFD			25							Existing VFD
9	RFSP	Return Fan Speed	AI	% RPM	VFD			25	CA						Existing VFD
10	RFLD	Return Fan Load	AI	A	VFD			25	CA						Existing VFD
11	RASP	Return Air Static Pressure	AI	Pa	Pressure Sensor	25	25	25	CA						New Sensor
12	SRH	Space Relative Humidity	AI	% RH	Humidity Sensor	25	25	25	CA	0.25	0.6				New Sensor
13	MAD	Motorized Air Damper	AO	%	Transducer/Damper Actuator	25	25	25							New Transducer/Existing Damper&Actuator
14	MAD	Motorized Air Damper	AO	%	Transducer/Damper Actuator	25	25	25							New Transducer/Existing Damper&Actuator
15	MAD	Motorized Air Damper	AO	%	Transducer/Damper Actuator	25	25	25							New Transducer/Existing Damper&Actuator
16	FDP	Filter Differential Pressure	BI	Pa	Differential Pressure Sensor	25	25	25	MA						New Sensor
17	MAT	Mixed Air Temperature	AI	°C	Temperature Sensor	25	25	25	CA	8°C	30°C				New Sensor
18	FZ	Freezestat	BI	Normal/Alarm	Freezestat			25	CR	4°C					Existing Freezestat
19	HUMCV	Humidifier Control Valve	AO	%	Control Valve Actuator			25							Existing Valve&Actuator
20	SCRV	SCR Control Valve	AO	%	Transducer/Valve Actuator	25	25	25							New Transducer/Existing Valve&Actuator
27	SAH	Supply Air Relative Humidity	AI	% RH	Humidity Sensor	25	25	25	CA	0.20	0.85				New Sensor
28	SAT	Supply Air Temperature	AI	°C	Temperature Sensor	25	25	25	CA	10°C	25°C				New Sensor
29	RAH	Return Air Relative Humidity	AI	% RH	Humidity Sensor	25	25	25	CA	0.20	0.85				New Sensor
30	RAT	Return Air Temperature	AI	°C	Temperature Sensor	25	25	25	CA	10°C	25°C				New Sensor
31	DX1C	DX Cooling Coil One	DO	ON/OFF	Relay			25							Existing Relay
32	DX2C	DX Cooling Coil Two	DO	ON/OFF	Relay			25							Existing Relay
33	DSP	Duct Static Pressure	AI	Pa	Static Pressure Sensor	25	25	25	CA	10Pa	375Pa				New Sensor
34	DSP	Duct Static Pressure 2/3 Down	AI	Pa	Static Pressure Sensor	25	25	25	CA	10Pa	375Pa				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 - CLOSSES ON RISE OF MEASURED VALUE; O/R - OPENS ON RISE OF MEASURED VALUE															



Publics Works and
Government Services
Canada

Travaux publics et
services gouvernementaux
Canada



A000234

240 Catherine St., Suite 110
Ottawa (Ontario) K2P 2G8
Telephone : (613) 860-2462
Fax : (613) 860-1870
www.cima.ca

ISO 9001

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

projet

BUILDING AUTOMATION
SYSTEM
CONSOLIDATION

580 BOOTH, OTTAWA, ON

drawing

dessin

MECHANICAL
POINTS LIST PART 13

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.

R.041796.002

No. du projet

Drawing no.

M54 of 54

No. du dessin