


Drawing name: K:\A\A000234- 580 Booth Controls\400\440\A000234-M44 points list part 3.dwg Oct 01, 2013 - 11:01am


I/O Point Summary Table															
PWGSC PROJECT NO:		R.041796.002			CONSULTANT:		CIMA		M&E System Reference:			GEN. RF&EF			
AREA IDENTIFIER:		GENERAL RETURN&EXHAUST FAN WEST/EAST			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	DELAY	
1	RASP	Return Air Static Pressure (Typical of 2)	AI	Pa	Pressure Sensor @ 12th floor	25	25	25							New Sensor
2	FRAMD	Floor Return Air Motorized Damper (Typical for 42)	AO	%	Motorized Damper			25							Existing Damper Actuator
3	FRAFS	Floor Return Air Flow Station (Typical for 42)	AI	L/s	Flow Station			25							Existing flow station/new DP sensor
4	RFSS	Return Fan Start/Stop (Typical of 2)	BO	ON/OFF	Relay			25							Existing Relay
5	RFST	Return Fan Status	BI	ON/OFF	Relay			25	CA						Existing Relay
6	RFIV	Return Fan Inlet Vanes	AO	%	Transducer/Vanes Actuator	25	25	25							New Trasducer/Existing Actuator
7	RAT	Return Air Temperature	AI	°C	Temperature Sensor	25	25	25							New Sensor
8	RARH	Return Air Relative Humidity	AI	% RH	Humidity Sensor	25	25	25							New Sensor
9	RASA	Return Air Smoke Alarm	BI	Normal/Alarm	Smoke Detector	25	25	25	CR						New Smoke Detector
10	RAFS	Return Air Flow Station	AI	L/s	Flow Metering Station			25							Existing Flow Station/New DP Sensor
11	READP	Return/Exhaust Air Differential Pressure	AI	Pa	Differential Pressure Sensor	25	25	25							New Sensor
12	EAMD1	Exhaust Air Motorized Damper #1	AO	%	Transducer/Damper Actuator	25	25	25							New Transducer/Existing Damper&Actuator
13	EFSS	Exhaust Fan Start/Stop	BO	ON/OFF	Relay			25							Existing Relay
14	EFST	Exhaust Fan Status	BI	ON/OFF	Relay			25	CA						Existing Relay
15	EFIV	Exhaust Fan Inlet Vanes	AO	%	Transducer/Vanes Actuator	25	25	25							New Transducer/Existing Actuator
16	EAMD2	Exhaust Air Motorized Damper #2	BO	OPEN/CLOSED	Transducer/Damper Actuator	25	25	25							New Transducer/Existing Damper&Actuator
17	EAMD2ST	Exhaust Air Motorized Damper #2 Status	BI	OPEN/CLOSED	End Switch			25							Existing End Switch
18	FS	Flow Station	AI	L/s	Flow Metering Station			25							New DP sensor, existing flow station/new DP sensor
19	EAMD3ST	Exhaust Air Motorized Damper #3 Status	BI	OPEN/CLOSED	End Switch			25							Existing End Switch
20	FRASP	Floor Return air Differential Pressure (typical of 21)	AI	Pa	Differential Pressure 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															
NOTE 3: POINTS LIST APPLIES TO 4 SYSTEMS.															



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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 3

Designed By

CHRISTIAN WORKMAN

Conçu par

AUGUST 2012

(yyyy/mm/dd)

Drawn By

HANI KARAM

Dessiné par

AUGUST 2012

(yyyy/mm/dd)

Reviewed By

GREG SANTYR

Examiné par

SEPTEMBER 2012

(yyyy/mm/dd)

Approved By

DANIEL ROY

Approuvé par

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

M44 of 53