


Drawing name: K:\A\A000234- 580 Booth Controls\400\440\A000234-M50 points list part 9.dwg Oct 01, 2013 - 11:01am

I/O Point Summary Table															
PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:			EF (TYPICAL)		
AREA IDENTIFIER:		EXHAUST FANS (TYPICAL)				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	EFSS	Exhaust Fan Start/Stop (Typical for 2)		BO	ON/OFF	Relay			25						Existing Relay
2	EFST	Exhaust Fan Status (Typical for 8)		BI	ON/OFF	Relay			25	CA					Existing Relay
3															
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															


I/O Point Summary Table																
PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:			VAV & IU (TYPICAL)			
AREA IDENTIFIER:		VAVs and Induction Units (TYPICAL)				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	STS	Space Temperature Sensor	AI	°C	Temperature Sensor	25	25	25								New Temperature Sensor
2	VAVFM	VAV Flow Meter	AI	L/s	Air Flow Meter			25								New VAV Flow Meter
3	VAVDA	VAV Damper Actuator	AO	%	Damper Actuator	25	25	25								New VAV Controller c/w Damper Actuator
4	IUSTS	Induction Unit Space Temperature Sensor	AI	°C	Temperature Sensor	25	25	25								New Temperature Sensor
5	IUCV	Induction Unit Control Valve	AO	%	Control Valve	25	25	25								New Control Valve c/w Actuator
6	IUTS	Induction Unit Temperature Sensor	AI	°C	Temperature	25	25	25								New Temperature Sensor installed within Induction Unit
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: SEE FLOOR PLANS FOR CONTROL VALVE AND TEMPERATURE SENSOR QUANTITIES.																
NOTE 4: PROVIDE SOFTWARE POINT FOR SUMMER/WINTER SWITCH OVER.																


I/O Point Summary Table																	
PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:			High Rise Elevator				
AREA IDENTIFIER:		High Rise Elevator Shaft and Machine Room Ventilation				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 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	SF01ST	Supply Fan SF-1 Status	BI	ON/OFF	Relay				25								Existing Relay
2	SF02ST	Supply Fan SF-2 Status	BI	ON/OFF	Relay				25								Existing Relay
3	EF02ST	Exhaust Fan EF-1 Status	BI	ON/OFF	Relay				25								Existing Relay
4	STS	Space Temperature sensor	AI	°C	Temperature Sensor				25								Existing 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.																	
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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

A

B

C

B location drawing no.
sur dessin no.

A

B

C

C drawing no.
dessin no.

project

project

BUILDING AUTOMATION SYSTEM CONSOLIDATION

580 BOOTH, OTTAWA, ON

drawing

dessin

MECHANICAL POINTS LIST PART 9

Designed ByCHRISTIAN WORKMANConçu par

DateAUGUST 2012(yyyy/mm/dd)

Drawn ByHANI KARAMDessiné par

DateAUGUST 2012(yyyy/mm/dd)

Reviewed ByGREG SANTYRExaminé par

DateSEPTEMBER 2012(yyyy/mm/dd)

Approved ByDANIEL ROYApprouvé par

DateSEPTEMBER 2012(yyyy/mm/dd)

TenderCORY CAMPBELLSoumission

Project ManagerAdministrateur de projets

Project no.No. du projet

R.041796.002

Drawing no.No. du dessin

M50 of 53

PWGSC A2 (594x420)