I/O Point Summary Table

PWGSC PROJECT NO:		R.041796.002			CONSULTANT:	CIMA			M&E System Reference:				DEOC AHU	
AREA IDENTIFIER:		DEOC			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	OAT	Outside Air Temperature	AI	°C	Temperature Sensor			25							Existing Sensor
2	OAMD	Outside Air Motorized Damper	BO	ON/OFF	Damper Actuator			25							Existing Damper&Actuator
3	SF1SS	Supply Fan #1 Start/Stop	BO	ON/OFF	Relay			25							Existing Relay
4	SF1VFD	Supply Fan #1 VFD	AO	%	VFD			25							Existing VFD
5	SF1SPFB	Supply Fan #1 Speed Feedback	AI	mA	Current Transmitter			25	CA						Existing Transmitter
6	EHCM	Electric Heating Coil Modulating	AO	%	SCR			25							Existing SCR
7	EHCST	Electric Heating Coil Status	AI	vdc	Current Transmitter			25	CA						Existing Transmitter
8	LHCAT	Leaving Heating Coil Air Temperature	AI	°C	Temperature Sensor			25	CA		30°C				Existing Sensor
9	RAT	Return Air Temperature	AI	°C	Temperature Sensor			25							Existing Sensor
10	RARH	Return Air Relative Humidity	AI	% RH	Humidity Sensor			25							Existing Sensor
11	RACO2	Return Air CO2	AI	ppm	CO2 Sensor			25							Existing Sensor
12	CU1SS	Condensing Unit #1 Start/Stop	BO	ON/OFF	Relay			25							Existing Relay
13	CU1ST	Condensing Unit #1 Status	AI	vdc	Current Transmitter			25	CA						Existing Transmitter
14	CU2SS	Condensing Unit #2 Start/Stop	BO	ON/OFF	Relay			25							Existing Relay
15	CU2ST	Condensing Unit #2 Status	AI	vdc	Current Transmitter			25	CA						Existing Transmitter
16	SF2SS	Supply Fan #2 SS	BO	ON/OFF	Relay			25							Existing Relay
17	SF2VFD	Supply Fan #2 VFD	AO	%	VFD			25							Existing VFD
18	SF2SPFB	Supply Fan #2 Speed Feedback	AI	mA	Current Transmitter			25							Existing Transmitter
19	FZ	Freezestat	BI	Normal/Alarm	Freeze Stat			25	CR	4°C					Existing Sensor
20	HUMM	Humidifier Modulation	AO	%	Humidifier			25							Existing Humidifier
21	SARH	Supply Air Relative Humidity	AI	% RH	Humidity Sensor			25	CA	0.20	0.85				Existing Sensor
22	SAT	Supply Air Temperature	AI	°C	Temperature Sensor			25							Existing Sensor
23	SHS	Space Relative Humidity (Typical of 9)	AI	% RH	Humidity Sensor			25							Existing Sensor
24	STS	Space Temperature Sensor (Typical of 9)	AI	°c	Temperature Sensor			25							Existing Sensor
25	OAH	Outside Air Relative Humidity	AI	%RH	Humidity Sensor			25							Existing Sensor
26	BPBDA	By-Pass Box Damper Actuator (typical of 11)	AO	%	Damper Actuator	25	25	25							New BPB Controller c/w Damper Actuator

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

Publics Works and Government Services Canada
Travaux publics et services gouvernementaux Canada

Canada

CIMA 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.

revisions	description	date
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

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

project / projet

BUILDING AUTOMATION SYSTEM CONSOLIDATION

580 BOOTH, OTTAWA, ON

drawing / dessin

MECHANICAL POINTS LIST PART 5

Designed By / Conçu par	CHRISTIAN WORKMAN	
Date	AUGUST 2012	(yyyy/mm/dd)
Drawn By / Dessiné par	HANI KARAM	
Date	AUGUST 2012	(yyyy/mm/dd)
Reviewed By / Examiné par	GREG SANTYR	
Date	SEPTEMBER 2012	(yyyy/mm/dd)
Approved By / Approuvé par	DANIEL ROY	
Date	SEPTEMBER 2012	(yyyy/mm/dd)
Tender / Soumission	CORY CAMPBELL	
Project Manager	Administrateur de projets	

Project no. / No. du projet: R.041796.002

Drawing no. / No. du dessin: M46 of 53