


Drawing name: K:\A\A000234-580 Booth Controls\400\440\A000234-M48 points list part 7.dwg Oct 01, 2013 - 11:01am


I/O Point Summary Table


PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:				CHILLED WATER		
AREA IDENTIFIER:		CHILLED WATER SYSTEM				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	
										L1	H1					NO NC
1	CH1CHLWT	Chiller #1 Leaving Water Temperature	AI	°C	Temperature Sensor				25						Existing Sensor	
2	CH1CHWDP	Chiller #1 Differential Pressure	AI	Pa	Differential Pressure Sensor				25	CA					Existing Sensor	
3	CH1CHWST	Chiller #1 Supply Water Temperature	AI	°C	Temperature Sensor				25						Existing Sensor	
4	CH2LWT	Chiller #2 Leaving Water Temperature	AI	°C	Temperature Sensor				25						Existing Sensor	
5	CHWST	Chilled Water Supply Temperature	AI	°C	Temperature Sensor				25	CR		12°C		1 HR	Existing Sensor	
6	CHWRT	Chilled Water Return Temperature	AI	°C	Temperature Sensor				25						Existing Sensor	
7	CHWRFM	Chilled Water Return Flow Meter	AI	L/s	Flow Meter				25						Existing Flow Meter	
8	P1SS	Pump P-01 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay	
9	P1VFD	Pump P-01 VFD	AO	%	VFD				25						Existing VFD	
10	P1AL	Pump P-01 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay	
11	P1FB	Pump P-01 Feedback	AI	A	VFD				25						Existing VFD	
12	P2SS	Pump P-02 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay	
13	P2VFD	Pump P-02 VFD	AO	%	VFD				25						Existing VFD	
14	P2AL	Pump P-02 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay	
15	P2FB	Pump P-02 Feedback	AI	A	VFD				25						Existing VFD	
16	CH1RCV	Chiller #1 Return Control Valve	AO	%	Control Valve Actuator				25						Existing Valve&Actuator	
17	CH1RCVST	Chiller #1 Return Control Valve Status	BI	ON/OFF	Relay				25						Existing Relay	
18	CH1EWT	Chiller #1 Entering Water Temperature	AI	°C	Temperature Sensor				25						Existing Sensor	
19	CH01SS	Chiller #1 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay	
20	CH01LD	Chiller #1 Load	AO	A	Current Sensor				25						Existing Sensor	
21	CH1RST	Chiller #1 Re-Set Temperature	AO	°C	Current Sensor				25						Existing Sensor	
22	CH1ST	Chiller #1 Status	BI	ON/OFF	Relay				25						Existing Relay	
23	CH1AL	Chiller #1 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay	
24	CH2RCV	Chiller #2 Return Control Valve	AO	%	Control Valve Actuator				25						Existing Valve&Actuator	
25	CH2RCVST	Chiller #2 Return Control Valve Status	BI	ON/OFF	Relay				25						Existing Relay	
26	CH2SS	Chiller #2 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay	
27	CH2RST	Chiller #2 Re-Set Temperature	AO	°C					25							
28	CH2LD	Chiller #2 Load	AO	A	Current Sensor				25						Existing Sensor	
29	CH2FB	Chiller #2 Feedback	AI	A	Current Sensor				25						Existing Sensor	
30	CH2FRV	Chiller #2 Freon Releif Valve	BI	ON/OFF	Relay				25						Existing Relay	
31	CH2ST	Chiller #2 Status	BI	ON/OFF	Relay				25	CA					Existing Relay	
32	CH2AL	Chiller #2 Alarm	BI	Normal/Alarm	Relay				25						Existing Relay	
33																
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

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 7

Designed By  
CHRISTIAN WORKMAN  
AUGUST 2012

Conçu par  
AUGUST 2012  
(yyyy/mm/dd)

Drawn By  
HANI KARAM  
AUGUST 2012

Dessiné par  
AUGUST 2012  
(yyyy/mm/dd)

Reviewed By  
GREG SANTYR  
SEPTEMBER 2012

Examiné par  
SEPTEMBER 2012  
(yyyy/mm/dd)

Approved By  
DANIEL ROY  
SEPTEMBER 2012

Approuvé par  
SEPTEMBER 2012  
(yyyy/mm/dd)

Tender  
CORY CAMPBELL

Soumission

Project Manager

Administrateur de projets

Project no.  
R.041796.002

No. du projet

Drawing no.

No. du dessin

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