


Drawing name: C:\Users\hani.karam\appdata\local\temp\AcPublish_6784\A000234-M47 points list part 6.dwg Nov 04, 2013 - 8:41am


I/O Point Summary Table															
PWGSC PROJECT NO:		R.041796.002				CONSULTANT:		CIMA		M&E System Reference:			CONDENSING WATER		
AREA IDENTIFIER:		CONDENSING 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		10	11	12	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	C/R O/R		DELAY
1	CT1C1SS	Cooling Tower #1 Cell #1 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay
2	CT1C2SS	Cooling Tower #2Cell #2 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay
3	CT1C1VFD	Cooling Tower #1 Cell #1 VFD	AO	%	VFD				25						Existing VFD
4	CT1C2VFD	Cooling Tower #1 Cell #2 VFD	AO	%	VFD				25						Existing VFD
5	CT1C1AL	Cooling Tower #1 Cell #1 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay
6	CT1C2AL	Cooling Tower #1 Cell #2 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay
7	CT1C1FB	Cooling Tower #1 Cell #1 Feedback	AI	mA	VFD				25						Existing VFD
8	CT1C2FB	Cooling Tower #1 Cell #2 Feedback	AI	mA	VFD				25						Existing VFD
9	CT2C1ST	Cooling Tower #2 Cell #1 Status	BI	ON/OFF	Current Sensor				25	CA					Existing Sensor
10	CT2C2ST	Cooling Tower #2 Cell #2 Status	BI	ON/OFF	Current Sensor				25	CA					Existing Sensor
11	CT1SCV	Cooling Tower #1 Supply Control Valve	BO	OPEN / CLOSED	Control Valve Actuator				25						Existing Valve&Actuator
12	CT1ST	Cooling Tower #1 Supply Temperature	AI	°C	Temperature Sensor				25						Existing Sensor
13	CT2ST	Cooling Tower #2 Supply Temperature	AI	°C	Temperature Sensor				25						Existing Sensor
14	BPV	By-Pass Valve	AO	%	Control Valve Actuator				25						Existing Valve&Actuator
15	CT1&2ST	Cooling Tower #1&2 Supply Temperature	AI	°C	Temperature Sensor				25	CR		34°C			Existing Sensor
16	P3SS	Pump P-03 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay
17	P3VFD	Pump P-03 VFD	AO	%	VFD				25						Existing VFD
18	P3AL	Pump P-03 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay
19	P3FB	Pump P-03 Feedback	AI	mA	VFD				25						Existing VFD
20	P4SS	Pump P-04 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay
21	P4VFD	Pump P-04 VFD	AO	%	VFD				25						Existing VFD
22	P4AL	Pump P-04 Alarm	BI	Normal/Alarm	Relay				25	CA					Existing Relay
23	P4FB	Pump P-04 Feedback	AI	mA	VFD				25						Existing VFD
24	CH1DP	Chiller #1 Water Differential Pressure	AI	Pa	Differential Pressure Sensor				25	CA					Existing Sensor
25	CH1EWT	Chiller #1 Entering Water Temperature	AI	°C	Temperature Sensor				25						Existing Sensor
26	CH1LWT	Chiller #1 Leaving Water Temp.	AI	°C	Temperature Sensor				25						Existing Sensor
27	CH1RCV	Chiller #1 Return Control Valve	AO	%	Control Valve Actuator				25						Existing Valve&Actuator
28	CH1RCVST	Chiller #1 Return Control Valve Status	AI	%	Control Valve Actuator				25						Existing Valve&Actuator
29	CH2RCV	Chiller #2 Return Control Valve	AO	%	Control Valve Actuator				25						Existing Valve&Actuator
30	CH2RCVST	Chiller #2 Return Control Valve Status	AI	ON/OFF	Relay				25						Existing Relay
31	CH1&2RT	Cooling Towers #1&2 Return Temperature	AI	°C	Temperature Sensor				25						Existing Sensor
32	CT1RCV	Cooling Tower #1 Return Control Valve	BO	ON/OFF	Control Valve Actuator				25						Existing Valve&Actuator
33	CT1C1RCV	Cooling Tower #1 Cell #1 Return Control Valve	BO	ON/OFF	Control Valve Actuator				25						Existing Valve&Actuator
34	CT1C2RCV	Cooling Tower #1 Cell #2 Return Control Valve	BO	ON/OFF	Control Valve Actuator				25						Existing Valve&Actuator
35	CT2RCV	Cooling Tower #2 Return Control Valve	BO	ON/OFF	Control Valve Actuator				25						Existing Valve&Actuator
36															
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															



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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.
C drawing no.
dessin no.

project

project

BUILDING AUTOMATION
SYSTEM
CONSOLIDATION

580 BOOTH, OTTAWA, ON

drawing

dessin

MECHANICAL
POINTS LIST PART 6

Designed By

CHRISTIAN WORKMAN

Conçu par

AUGUST 2012

(yyyy/mm/dd)

Date

Drawn By

HANI KARAM

Dessiné par

AUGUST 2012

(yyyy/mm/dd)

Date

Reviewed By

GREG SANTYR

Examiné par

SEPTEMBER 2012

(yyyy/mm/dd)

Date

Approved By

DANIEL ROY

Approuvé par

SEPTEMBER 2012

(yyyy/mm/dd)

Date

Tender

CORY CAMPBELL

Soumission

Project Manager

Administrateur de projets

Project no.

No. du projet

R.041796.002

Drawing no.

No. du dessin

M47 of 53