


Drawing name: K:\A\A000234- 580 Booth Controls\400\440\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		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	CT1C1SS	Cooling Tower #1 Cell #1 Start/Stop	BO	ON/OFF	Relay				25						Existing Relay
2	CT1C2SS	Cooling Tower #2 Cell #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	OUVERT/FERMÉ	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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L'entrepreneur doit vérifier les dimensions et les conditions sur place, et informer immédiatement l'ingénieur de toute divergence.

E	Émis pour révision à 100%	2013-10-04
D	Émis pour révision à 99%	2013-05-03
C	Émis pour révision à 66%	2013-02-08
B	Émis pour révision à 33%	2013-01-04
A	Émis pour élaboration de la conception	2012-11-02
révisions	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

CONSOLIDATION DE
L'IMMOTIQUE

580 BOOTH, OTTAWA, ON

drawing

dessin

LISTE DES POINTS
MÉCANIQUES
PARTIE 6

Designed By
CHRISTIAN WORKMAN
AOÛT 2012

Conçu par
(yyyy/mm/dd)

Drawn By
HANI KARAM
AOÛT 2012

Dessiné par
(yyyy/mm/dd)

Reviewed By
GREG SANTYR
SEPTEMBRE 2012

Examiné par
(yyyy/mm/dd)

Approved By
DANIEL ROY
SEPTEMBRE 2012

Approuvé par
(yyyy/mm/dd)

Tender
CORY CAMPBELL

Soumission

Project Manager
Administrateur de projets

Project no.
No. du projet

R.041796.002

Drawing no.
M47 of 53

No. du dessin

PWGSC A2 (594x420)