

BAS Point Schedule (CHILLER PLANT MANAGEMENT)

โครงการ : BLOCK H

SEPTEMBER, 2018

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BAS Point Schedule CHILLER

BAS Point Schedule Cooling Tower

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Building Automation System Point List (CHILLER PLANT MANAGEMENT)

CHILLER PLANT

Project : BLOCK H

Location : Bangkok

SITE83 CO.,LTD.

Floor	IPDDC Panel	Equipmnet	QTY	Point Description	Field Devices	Type of BAS Point	Point Summation					Remark
							DI	AI		DO	AO	
								BI	UI			
FL7	DDC-F7/1	Chiller	6	-Start/Stop of Chiller	SNVT							Interface by LON
		CH-01,02,03,04,05,06		-On/Off Status of Chiller	SNVT							
				-Alarm of Chiller	SNVT							
				-KiloWatt Hour	SNVT							
				-Inlet Temperature	SNVT							
				-Outlet Temperature	SNVT							
				-On/Off Butterfly Valve		DO			6			
				-Fully Open		DI	6					
				-Fully Close		DI	6					
				-Water Flow Switch	Water Flow Switch	DI	6					
		Outdoor Device	1	-Outdoor Temp/Humidity Sensor	Outdoor Temp/Hu Sensor	UI		1	1			
		Chilled Water Pump	6	-Start/Stop of Pump		DO			6			
		CHP-1,2,3,4,5,6		-On/Off Status of Pump		DI	6					
				-Overlod trip of Pump		DI	6					
				-Pump speed control		AO				6	Direct To VSD	
		Cooling Tower Water Pump	6	-Start/Stop of Pump		DO			6			
		CDP-1,2,3,4,5,6		-On/Off Status of Pump		DI	6					
				-Overlod trip of Pump		DI	6					
				-Pump speed control		AO				6	Direct To VSD	

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CHILLER PLANT

Project : BLOCK H

Location : Bangkok

SITE83 CO.,LTD.

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							DI	AI		DO	AO	
								BI	UI			
		Pump Header	1	-Main Header Supply Pipe Temp	Pipe Temp Sensor	BI		1				
				-Main Header Return Pipe Temp	Pipe Temp Sensor	BI		1				
				-Water Flow Rate	Water Flow Sensor	UI			1			
				-Water Diff. Pressure	Diff. Pressure Transmitter	UI			1			
				-Bypass Control Valve	Modulating Valve	AO					1	
	DDC-C7/2	Exhaust Fan	2	-Start/Stop		DO				2		
		EFR-1,2		-On/Off Status		DI	2					
				-Overload Trip Alarm		DI	2					
					Total Point	85	46	3	3	20	13	
					Grand Total Point	85	46	3	3	20	13	

Remark***

- DI : Digital Input
- BI : Thermister Input
- UI : Universal Input
- DO : Digital Output
- AO : Analog Output
- VSD : Variable Speed Drive
- SNVT : Standard Network Variable Type According to Echelon® Specification.

Building Automation System Point List (CHIILER PLANT MANAGEMENT)

COOLING TOWER

Project : BLOCK H

Location : Bangkok

SITE83 CO.,LTD.

Floor	IPDDC Panel	Equipment	QTY	Point Description	Field Devices	Type of BAS Point	Point Summation					Remark
							DI	AI		DO	AO	
								BI	UI			
FL25	DDC-F25/1	Cooling Tower	1	- Fans Start / Stop		DO				1		
		CT-01		- Fans Status		DI	1					
				- Fans Speed		AO					1	
				- Fan speed control		AO					1	Direct To VSD
				- Spray Start / Stop		DO				1		
				- Spray Status		DI	1					
				- Supply temperature		AI			1			
				- Return temperature		AI			1			
				-Fully Open		DI	1					
				-Fully Close		DI	1					
				-Water Flow Switch	Water Flow Switch	DI	1					
	DDC-F25/2	Cooling Tower	4	- Fans Start / Stop		DO				4		
		CT-02,03,04,05		- Fans Status		DI	4					
				- Fans Speed		AO					4	
				- Spray Start / Stop		DO				4		
				- Spray Status		DI	4					
				- Supply temperature		AI			4			
				- Return temperature		AI			4			
				-Fully Open		DI	4					
				-Fully Close		DI	4					
				-Water Flow Switch	Water Flow Switch	DI	4					
		Outdoor Device	1	-Outdoor Temp/Humidity Sensor	Outdoor Temp/Hu Sensor	UI		1	1			

Building Automation System Point List (CHIILER PLANT MANAGEMENT)

COOLING TOWER

Project : BLOCK H

Location : Bangkok

SITE83 CO.,LTD.

Floor	IPDDC Panel	Equipment	QTY	Point Description	Field Devices	Type of BAS Point	Point Summation					Remark
							DI	AI		DO	AO	
								BI	UI			
					Total Point	53	25	1	11	10	6	
					Grand Total Point	53	25	1	11	10	6	

Remark***

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