

EMCS Equipment and Points Nomenclature for Camp Lejeune

(This document is taken from APPENDIX C of the Camp Lejeune **STANDARD OPERATING PROCEDURES, ENERGY MANAGEMENT AND CONTROL SYSTEM**)

C.1 Controller Naming

TABLE C-1. Controller Naming Convention	
NAME	DEFINITION
Air Station.Building AS4035.DTWS	Dual Temp Water System
Air Station.Building AS4035.First Floor.Air Handling Units.AHU-1	Air Handling Unit
Air Station.Building AS4035.First Floor.Air Handling Units.AHU-1 VAV	Air Handling Unit VAV
Air Station.Building AS4035.First Floor.Rooms.Room 100	Fan Powered Box
Air Station.Building AS4035.ERU (Serves AHU1, 3, 5)	Energy Recovery Unit

C.2 Dual Temperature Plant

TABLE C-2. Dual Temperature Plant Naming Convention			
NAME	DEFINITION	NAME	DEFINITION
SYSTEM-E	System Enable	HWS-T	Hot Water Supply Temperature
OA-T	Outdoor Air Temp	STMV-O	Steam Valve Output
SUM-SW	Summer Switch	AHWS-SP	Actual Hot Water Setpoint
WIN-SW	Winter Switch	OA-SP-LL	Outdoor Air Setpoint Low Limit
SUMWIN-S	Summer/Winter Status	HW-SP-HL	Hot Water Setpoint High Limit
DTS-T	Dual Temp Supply Temperature	OA-SP-HL	Outdoor Air Setpoint High Limit
DTR-T	Dual Temp Return Temperature	HW-SP-LL	Hot Water Setpoint Low Limit
DTP-C	Dual Temp Pump Command	OACHNGOVER-SP	OA Change Over Setpoint
DTP-S	Dual Temp Pump Status	CHNGOVER-DIFF	OA Change Over Differential
DTSV-C	Dual Temp Supply Valve Command	CHNGOVER-DLY	Change Over Delay
DTRV-C	Dual Temp Return Valve Command	DOMSYSTEM-E	Domestic HW System Enable
CH-E	Chiller Enable	DOMHWS-T	Domestic HW Supply Temp
CH-S	Chiller Status	DOMHWS-SP	Domestic Hot Water Setpoint
CHWP-C	Chiller Water Pump Command	DOMSTMV-O	Domestic Steam Valve Output
CHWP-S	Chilled Water Pump Status		

C.3 Energy Recovery Unit

TABLE C-3. Energy Recovery Unit Naming Convention			
NAME	DEFINITION	NAME	DEFINITION
SYSTEM-E	System Enable	WHEEL-S	Wheel Status
OCC-C	Occupied Command	DTV-O	Dual Temp Valve Output
DA-T	Discharge Air Temperature	SUMDA-SP	Summer Discharge Air Setpoint
ADA-SP	Actual Discharge Air Setpoint	WINDA-SP	Winter Discharge Air Setpoint
EA-T	Exhaust Air Temperature	OACLG-LL	Outdoor Air Cooling Low Limit
WHEEL-T	Wheel Temperature	OAFILTER-S	Outdoor Air Filter Status
ERV-E	Energy Recovery Unit Enable	EAFILTER-S	Exhaust Air Filter Status
SF-S	Supply Fan Status	SUMWIN-C	Summer/Winter Command
EF-S	Exhaust Fan Status		

C.4 Fan Powered Box

TABLE C-4. Fan Powered Box Naming Convention			
NAME	DEFINITION	NAME	DEFINITION
SYSTEM-E	System Enable	OCLG-SP	Occupied Cooling Setpoint
SYSTEM-M	System Mode	AHTG-SP	Actual Heating Setpoint
OCC-C	Occupied Command	OHTG-SP	Occupied Heating Setpoint
ZN-T	Zone Temperature	SA-F	Supply Air Flow
WC-ADJ	Warm/Cool Adjust	FLOW-SP	Flow Setpoint
SF-C	Supply Fan Command	DPR-O	Supply Air Damper Output
SF-S	Supply Fan Status	SUMWIN-C	Summer/Winter Command
ACLG-SP	Actual Cooling Setpoint		

C.5 Air Handling

TABLE C-5. Air Handling Unit Naming Convention			
NAME	DEFINITION	NAME	DEFINITION
SYSTEM-E	System Enable	SUMDA-SP	Summer Discharge Air Setpoint
OCC-C	Occupied Command	SUMRA-SP-HL	Summer Return Air Setpoint High Limit
DA-T	Discharge Air Temperature	SUMSTATIC-SP-HL	Summer Static Setpoint High Limit
ADA-SP	Actual Discharge Air Setpoint	ASTATIC-SP	Actual Static Pressure Setpoint
RA-T	Return Air Temperature	SUMRA-SP-LL	Summer Return Air Setpoint Low Limit
MA-T	Mixed Air Temperature	SUMSTATIC-SP-LL	Summer Static Setpoint Low Limit
SF-C	Supply Fan Command	WINSTATIC-SP	Winter Static Pressure Setpoint
SF-S	Supply Fan Status	WINRA-SP-HL	Winter Return Air Setpoint High Limit
DA-P	Discharge Air Static Pressure	WINDA-SP-LL	Winter Discharge Air Setpoint Low Limit
FILTER-S	Filter Status	WINRA-SP-LL	Winter Return Air Setpoint Low Limit
LL-A	Low Limit Alarm	WINDA-SP-HL	Winter Return Air Setpoint Low Limit
SUMWIN-C	Summer Winter Command	HIDAP-A	High Discharge Air Pressure Alarm
OA-T	Outdoor Air Temperature	WINDA-SP-HL	Winter Discharge Air Setpoint High Limit
DTV-O	Dual Temp Valve Output		