

CAL POLY POINT NAMING STANDARD - 2025

EXAMPLE - 171C_C129-HWP1.SPD
 171C = BUILDING NUMBER
 C129 = ROOM NUMBER OR LOCATION
 HWP1 = EQUIPMENT
 .SPD = SPEED

EXAMPLE - 003_418-AH3.SF.SS
 003 = BUILDING NUMBER
 418 = ROOM NUMBER OR LOCATION
 AH3 = AIR HANDLER
 SF = SUPPLY FAN
 .SS = START STOP

EXAMPLE - 186_ROOF-AH1.SF.SS
 186 = BUILDING NUMBER
 ROOF = ROOM NUMBER OR LOCATION
 AH1 = AIR HANDLER
 SF = SUPPLY FAN
 .SS = START STOP

Follow the guidelines below:

1. Do not use "V" for virtual in point names for example use .ENA not .VENA
2. Do not use 0-10 volts for the scale of an end device. Use 0-100 PCT
3. Do not add virtual points to table the LOOP output for example
 LOOP(0,SAT,CLP,SATS,935,25,0,5,50.0,0.0,100.0,0)
~~TABLE(CLP,VCHWV,0.0,0.0,100.0,100.0)~~
~~TABLE(VCHWV,CHWV,0.0,0.0,100.0,100.0)~~
 TABLE(CLP,CHWV,0.0,0.0,100.0,100.0)
4. Always use capital letters in point names, descriptors and units.
5. Use enhanced alarming for analog points.
6. Submit all names for review to campus that are not listed below.

Follow the guidelines below for programs:

1. All programs names will end with .PGM
2. Always use capital letters for program lines and program names.
3. All program names will start with the controller name that it resides in and the equipment that it controls. Example -181_ROOF-AH1.PGM
4. Each major piece of equipment or system will have its own program. Example - AH1,AH2,HW.SYS,CHW.SYS,LEF.
5. For Fan coils or VAVs multiple pieces of equipment can share a common program. Example - 181_ROOF-VAV.PGM

FIELD PANEL POINTS

POINT NAME	POINT DESCRIPTOR	DESCRIPTION	UNITS	FORMAT	NOTES
.CDT	COLD DECK TEMP	COLD DECK TEMP	DEG F	FLOAT =1	
.CDTS	COLD DECK STPT	COLD DECK SET POINT	DEG F	FLOAT =1	
.CHWST	CHW SUP TEMP	CHILLED WATER SUPPLY TEMP	DEG F	FLOAT =1	
.CHWSTS	CHW SUP STPT	CHILLED WATER SUPPLY SET POINT	DEG F	FLOAT =1	
.CHWRT	CHW RET TEMP	CHILLED WATER RETURN TEMP	DEG F	FLOAT =1	
.FLT	FILTER DP		IN H2O	FLOAT =1	
.HDT	HOT DECK TEMP	HOT DECK TEMP	DEG F	FLOAT =1	

.HDTS	HOT DECK STPT	HOT DECK SET POINT	DEG F	FLOAT =1	
.HWST	HW SUP TEMP	HOT WATER SUPPLY TEMP	DEG F	FLOAT =1	
.HWSTS	HW SUP STPT	HOT WATER SUPPLY SET POINT	DEG F	FLOAT =1	
.HWRT	HW RET TEMP	HOT WATER RETURN TEMP	DEG F	FLOAT =1	
.DHWST	DHW SUP TEMP	DOMESTIC HOT WATER SUPPLY TEMP	DEG F	FLOAT =1	
.DHWSTS	DHW SUP STPT	DOMESTIC HOT WATER SUPPLY SET POINT	DEG F	FLOAT =1	
.MAT	MIXED AIR TEMP	MIXED AIR TEMP	DEG F	FLOAT =1	
.MATS	MIXED AIR STPT	MIXED AIR STPT	DEG F	FLOAT =1	
.OAE	OS AIR ENTHALPY	OUTSIDE AIR ENTHALPY	BTU/LB	INTEGER	
.OAH	OS AIR HUMIDITY	OUTSIDE AIR HUMIDITY	PCT	INTEGER	
.OAT	OS AIR TEMP	OUTSIDE AIR TEMP	DEG F	FLOAT =1	
.OAQ	OS AIR QUALITY	OS AIR QUALITY	PPM	INTEGER	
.OAF	OS AIR FLOW	OUTSIDE AIR FLOW	CFM	INTEGER	
.RAT	RET AIR TEMP	RETURN AIR TEMP	DEG F	FLOAT =1	
.RATS	RET AIR STPT	RETURN AIR SET POINT	DEG F	FLOAT =1	
.SAT	SUP AIR TEMP	SUPPLY AIR TEMP	DEG F	FLOAT =1	
.SATS	SUP AIR STPT	SUPPLY AIR SET POINT	DEG F	FLOAT =1	
.SAF	SUP AIR FLOW	SUPPLY AIR FLOW	CFM	INTEGER	
.RMT	ROOM TEMP	ROOM TEMP	DEG F	FLOAT =1	
.RMTS	ROOM TEMP STPT	ROOM TEMP STPT	DEG F	FLOAT =1	
.RAH	RET AIR HUMIDITY	RETURN AIR HUMIDITY	DEG F	INTEGER	
.RAE	RET AIR ENTHALPY	RETURN AIR ENTHALPY	BTU/LB	INTEGER	
.RAF	RET AIR FLOW	RETURN AIR FLOW	CFM	INTEGER	
.RAQ	RET AIR QUALITY	RETURN AIR QUALITY	PPM	INTEGER	
.SAH	SUP AIR HUMIDITY	SUPPLY AIR HUMIDITY	PCT	INTEGER	
.BSP	BLDG STATIC	BUILDING STATIC PRESSURE	IN H2O	FLOAT =2	
.BSPS	BLDG STATIC STPT	BUILDING STATIC PRESSURE SET POINT	IN H2O	FLOAT =2	
.DSP	DUCT STATIC	DUCT STATIC	IN H2O	FLOAT =2	
.DSPS	DUCT STATIC STPT	DUCT STATIC SET POINT	IN H2O	FLOAT =2	
.HW.DP	HW DIFF PRESS	HOT WATER DIFFERENTIAL PRESSURE	PSI	FLOAT =1	
.HW.DPS	HW DIFF STPT	HOT WATER DIFFERENTIAL PRESSURE STPT	PSI	FLOAT =1	
.CHW.DP	CHW DIFF PRESS	CHILLED WATER DIFFERENTIAL PRESSURE	PSI	FLOAT = 1	
.CHW.DPS	CHW DIFF STPT	CHILLED WATER DIFFERENTIAL PRESSURE STPT	PSI	FLOAT =1	
.PRS	PRESSURE		PSI	FLOAT =1	
.HWF	HW FLOW	HOT WATER FLOW	GPM	INTEGER	
.HWFS	HW FLOW STPT	HOT WATER FLOW SET POINT	GPM	INTEGER	
.CHWF	CHW FLOW	CHILLED WATER FLOW	GPM	INTEGER	

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.CHWFS	CHW FLOW STPT	CHILLED WATER FLOW SET POINT	GPM	INTEGER	
.DWF	DOM WTR FLOW	DOMESTIC WATER FLOW	GPM	INTEGER	
.RF.SPD	SPEED COMMAND	RETURN FAN SPEED COMMAND	PCT	INTEGER	
.SF.SPD	SPEED COMMAND	SUPPLY FAN SPEED COMMAND	PCT	INTEGER	
.EF1.SPD	SPEED COMMAND	EXHAUST FAN SPEED	PCT	INTEGER	
.CHWP1.SPD	SPEED COMMAND	CHILLED WATER PUMP SPEED	PCT	INTEGER	
.HWP1.SPD	SPEED COMMAND	HOT WATER PUMP SPEED	PCT	INTEGER	
.DHWP1.SPD	SPEED COMMAND	DOMESTIC HOT WATER PUMP SPEED	PCT	INTEGER	
.BPD	BYPASS DMPR	BYPASS DAMPER			
.ID	ISO DAMPER	ISOLATION DAMPER			
.SD	SCRUBBER DMPR				
.RAD	RET AIR DMPR	RETURN AIR DAMPER	PCT	INTEGER	DEVICES WITH BE SCALED SO
.EAD	EXH AIR DMPR	EXHAUST AIR DAMPER	PCT	INTEGER	0 PCT = CLOSED,100 PCT = OPEN
.OAD	OS AIR DMPR	OUTSIDE AIR DAMPER	PCT	INTEGER	0=STOP, 100 = FULL SPEED
.MOAD	MIN OSA DMPR	MINIMUM OUTSIDE AIR DAMPER	PCT	INTEGER	
.CHWV	CHW VALVE	CHILLED WATER VALVE	PCT	INTEGER	
.HWV	HW VALVE	HOT WATER VALVE	PCT	INTEGER	
.DHWV	DOM HW VALVE	DOMESTIC HOT WATER VALVE	PCT	INTEGER	
.MAD	MIXED AIR DMPR	MIXED AIR DAMPER -EA,RA AND OA	PCT	INTEGER	0= 0%OA AND EA 100% RA
.MOSA	MIN OSA POSITION	MINIMUM OSA DAMPER POSITION	PCT	INTEGER	
.BLP	LOOP OUTPUT	BUILDING STATIC LOOP OUTPUT	PCT	INTEGER	
.SLP	LOOP OUTPUT	STATIC PRESSURE LOOP OUTPUT	PCT	INTEGER	
.CLP	LOOP OUTPUT	COOLING LOOP OUTPUT	PCT	INTEGER	
.HLP	LOOP OUTPUT	HEATING LOOP OUTPUT	PCT	INTEGER	
.MLP	LOOP OUTPUT	MIXED AIR LOOP OUTPUT	PCT	INTEGER	
.DHLP	LOOP OUTPUT	DOMESTIC LOOP OUTPUT	PCT	INTEGER	
.ALM	ALARM	ANY ALARM			
.FAP	FA PURGE	FIRE ALARM PURGE			
.EO	EMER OFF	EMERGENCY OFF			
.SF.SS	START STOP	SUPPLY FAN START STOP			
.RF.SS	START STOP	RETURN FAN START STOP			
.EF.SS	START STOP	EXHAUST FAN START STOP			
.HWP1.SS	START STOP	HOT WATER PUMP START STOP			
.CHWP1.SS	START STOP	CHILLED WATER PUMP START STOP			
.DHWP1.SS	START STOP	DOMESTIC HOW WATER PUMP START STOP			
.BPV	BYPASS VALVE	PUMP,COOLING TOWER BYPASS			

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.BPV.OPN	BPV OPEN			
.BPV.CLS	BPV CLOSED			
.LSP	LO STATIC ALM	LOW STATIC PRESSURE ALARM		
.HSP	HI STATIC ALM	HIGH STATIC PRESSURE ALARM		
.IV	ISO VALVE			
.IV.OPN	ISO OPEN			
.IV.CLS	ISO CLOSED			
.PRF	PROOF	PROOF POINT		
.SSD	SUP SMK DETECTOR	SUPPLY SMOKE DETECTOR		
.RSD	RET SMK DETECTOR	RETURN SMOKE DETECTOR		
.FFLT	FILTER ALARM	FINAL FILTER ALARM		
.RFLT	FILTER ALARM	RETURN FILTER ALARM		
.PFLT	FILTER ALARM	PRE FILTER ALARM		
.FLT	FILTER ALARM	FILTER ALARM		
.TMR	TIMER	TIMER	SEC	
.FA	FIRE ALARM			
.STA	STATUS	PUMP,FAN,CHILLER,???	STATUS	
.SEC	SECONDARY			
.ENA	ENABLE	UNIT ENABLE		
.ENABLE	ENABLE	UNIT ENABLE		
.ECON	ECONOMIZER	ECONOMIZER ENABLE		
.MODE	MODE	MODE POINT		
.WU	WARM UP MODE	WARM UP MODE		

TEC NAMING ON SYSTEM PROFILE

EXAMPLE - 003_AH3-318.VAV	EXAMPLE - 003_AH3-418.FCU
003 = BUILDING NUMBER	003 = BUILDING NUMBER
AH3 = AIR HANDLER	AH3 = AIR HANDLER
418 = THERMOSTAT LOCATION	418 = THERMOSTAT LOCATION
VAV = TYPE	FCU = TYPE

.VAV		VAV BOX		
.FCU		FAN COIL UNIT		
.LCM		LAB CONTROL MODULE		
.RPC		ROOM PRESSURE CONTROL		
.FHC		FUME HOOD CONTROLLER		

VFD NAMING ON SYSTEM PROFILE

EXAMPLE - 003_418-AH3.SVFD	EXAMPLE - 003_418-HWP1.VFD
003 = BUILDING NUMBER	003 = BUILDING NUMBER
AH3 = AIR HANDLER	HWP1 = PUMP
418 = AHU LOCATION	418 = PUMP LOCATION
SVFD = FAN OR PUMP TYPE	VFD

.SVFD	SUPPLY VFD				
.RVFD	RETURN VFD				
.EVFD	EXHAUST VFD				
.VFD	PUMP VFD				

GRAPHIC NAMING

EQUIPMENT:	BACKGROUND:	DYNAMIC:	DO NOT USE:
AIR HANDLERS	027_AH1	027_AH1	AHU-1,AHU-01
FAN COILS	027_FC1	027_FC1	
HOT WATER SYSTEM	027_HW.SYS	027_HW.SYS	
CHILLED WATER SYSTEM	027_CHW.SYS	027_CHW.SYS	
FLOORS	027_1STFLR	027_1STFLR	FLOOR 01,FLOOR 02
FLOORS ON GRAPHIC HEADER	FIRST FLOOR,ETC.		FLOOR 01,FLOOR 02