Florida State University
BAS Point Naming Standard

EQUIPMENT	SHORT LOGICAL NAMES (all bldg names should use three letter designation) examples: Westcott-WES; Diffenbaugh-DIF, Fine arts-FAB; (confer bldg names with FSU/CUP)	DESCRIPTION	APOGEE VALUE CHANGE UPDATE	INPUT/ OUTPUT TYPE
AIR HANDLERS	WES_AHxxOA (xx=Air Handler #)	fresh air temperature	0.5 Deg	AI
	WES_AHxxMA	mix air temperature	0.5 Deg	AI
	WES_AHxxPT	preheat air temperature	0.5 Deg	AI
	WES_AHxxCT	cooling coil air temperature	0.5 Deg	AI
	WES_AHxxSA	supply air temperature	0.5 Deg	AI
	WES_AHxxRT	reheat air temperature	0.5 Deg	AI
	WES_AHxxRA	return air temperature	0.5 Deg	AI
	WES_AHxxRACO2	return air CO2 sensor	10 units	AI
	WES_AHxxRAH	return air humidity	1 rh	AI
	WES_AHxxSAH	supply air humidity	1 rh	AI
	WES_AHxxRAFLW	return air flow	10-20 cfm	AI
	WES_AHxxSAFLW	supply air flow	10-20 cfm	AI
	WES_AHxxOAFLW	fresh air flow	10-20 cfm	AI
	WES_AHxxSP1	supply static after fan	0.1 inches	AI
	WES_AHxxSP2	static 2/3 in duct	0.1 inches	AI
	WES_AHxxFLT1DP	compound static pressure across pre-filter	0.1 inches	AI
	WES_AHxxFLT2DP	compound static pressure across final-filter	0.1 inches	AI
AIR HANDLERS	WES_AHxxPHV	preheat valve	1%	AO
(water side)	WES_AHxxPCV	fresh air precool valve	1%	AO
	WES_AHxxCV	cooling valve	1%	AO
	WES_AHxxRHV	reheat valve	1%	AO
	WES_AHxxCHWF	chill water flow	1 gpm	AI
	WES_AHxxHWF	hot water flow	1 gpm	AI
	WES_AHxxCHWR	chill water return temp (rap around sensor)	0.5 Deg	AI
	WES_AHxxHWR	hot water return temp (rap around sensor)	0.5 Deg	AI
	WES_AHxxHUMV	humidifier valve	1%	AI

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AIR HANDLERS	WES_AHxxFLT1	pre filter pressure drop	0.1 "	AI
	WES_AHxxFLT2	final filter pressure drop	0.1"	AI
	WES-AHxxFZ	obtain status from freeze safety		BI
	WES_AHxxDDS	duct detector status		BI
	WES_AHxxFDS	fire damper status		BI
	WES_AHxxS	air handler status		BI
	WES_AHxxSAFETY	air handler high pressure safety shutdown status		BI
AIR HANDLERS	WES_AHxxSS	air handler start/stop		BO
(output)	WES_AHxxOD	modulating outdoor damper	1%	AO
	WES_AHxxRD	modulating return air damper	1%	AO
	WES_AHxxRFAN	return air fan start/stop		BO
	WES_AHxxOAFAN	fresh air fan start/stop		BO
HVAC HEATING	WES_HPS	high pressure steam	1 psi	AI
(Steam side AI)	WES_LPS	low pressure steam	1 psi	AI
	WES_MPS	medium pressure steam	1 psi	AI
	WES_SFLO	steam flow lbm/hr	5 lbm/hr	AI
	WES_SFLW	corrected steam flow lbm/hr	5 lbm/hr	AI
HVAC HEATING	WES_PRV1	low pressure steam prv valve 1/3	1%	AO
(Steam side AO)	WES_PRV2	low pressure steam prv valve 2/3	1%	AO
	WES_PRV3	medium pressure steam prv valve 1/3	1%	AO
	WES_PRV4	medium pressure steam prv valve 2/3	1%	AO
	WES_DSTV	steam control valve for dometic hw	1%	AO

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	WES_HX1_SV1	heat exchanger # 1 steam valve 1/3	1%	AO
	WES_HX1_SV2	heat exchanger # 1 steam valve 2/3	1%	AO
	WES_HX2_SV1	heat exchanger # 2 steam valve 1/3	1%	AO
	WES_HX2_SV2	heat exchanger # 2 steam valve 2/3	1%	AO
HVAC HEATING	WES_HX1_ISO	heat exchanger # 1 two position isolation vlv		BO
(water side)	WES_HX2_ISO	heat exchanger # 2 two position isolation vlv		BO
	WES_HX1_HWS	heat exchanger # 1 hot water supply temp	1 Deg	AI
	WES_HX2_HWS	heat exchanger # 2 hot water supply temp	1 Deg	AI
	WES_HWS	common hot water supply temperature	1 Deg	AI
	WES_HWR	common hot water return temperature	1 Deg	AI
	WES_HWF	hot water return flow	2 gpm	AI
	WES_HWDP	hw differential for variable volume sys	1 psid	AI
	WES_HP1	hot water pump # 1 start/stop		BO
	WES_HP2	hot water pump # 2 start/stop		BO
	WES_VFD_HP1	hot water pump # 1 VFD	1%	AO
	WES_VFD_HP2	hot water pump # 2 VFD	1%	AO
HVAC HEATING	WES_CNP1	condensate pump # 1 status		BI
(Steam cond.)	WES_CNP2	condensate pump # 2 status		BI
	WES_CNT	condensate water temperature	2 Deg	AI
	WES_CNFLW	condensate flow	1 gpm	AI
	WES_COND	condensate conductivity	10 mho	AI
HVAC COOLING	WES_CHWP1	chill water pump # 1 start/stop		BO

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(bldg cooling)	WES_CHWP2	chill water pump # 2 start/stop		BO
	WES_CHWP1_SC	chill water pump # 1 speed control	1%	AI
	WES_CHWP2_SC	chill water pump # 2 speed control	1%	AI
	WES_CHWP_BYP	two position chill water pumps bypass		BO
	WES_CHWDP	chill water differential pressure	1 psid	AI
	WES_BLDG_CHWS	building entering chill water supply	0.5 Deg	AI
	WES_BLDG_CHWR	building exiting chill water return	0.5 Deg	AI
	WES_BLDG_CHWDP	building chill water differential pressure	0.2 psid	AI
	WES_CHW_FLW	building chill water flow	5 gpm	AI
DEDICATED BLDG	WES_CHWS	chill water supply temperature	0.2 Deg	AI
CHILLER	WES_CHWR	chill water return temperature	0.2 Deg	AI
	WES_CHWF	chill water flow	5 gpm	AI
	WES_CWS	cooling tower or well water supply temp.	1 Deg	AI
	WES_CWR	cooling tower or well water return temp.	1 Deg	AI
	WES_CWF	cooling tower or well water flow	5 gpm	AI
	WES_CHILL_SS	chiller start/stop		BO
	WES_CHWP1	chill water pump # 1 start/stop		BO
	WES_CHWP2	chill water pump # 2 start/stop		BO
	WES_EVP_DP	differential pressure across evaporator barrel	0.1 psid	AI
	WES_CON_DP	differential pressure across condensor barrel	0.1 psid	AI
	WES_COND_FANS	total amps for all the air cooled condensor fans	1 amp	AI
	WES_WELL_PMP	well pump start/stop		BO
	WES_WELL_PMP_LOAD	total amps for well pump	1 amp	AI
	WES_CW_FR	freon head pressue on condensor side	0.1 psia	AI
	WES_CH_GATEWAY	connect to gateway to import all data to Apogee		AI/AO/BO/BI

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	WES_CHWRP	chill water return pressure (to detect sys leaks)	1 psig	AI
	WES_CHW_MKUP	chill water make up flow (Pulse type meter)	10gal/pulse	BI
	WES_CHILLER _LOAD	chiller load using DEM-2000 electrical meter	1 kw	AI
DEDICATED BLDG	WES_BOIL_SS	boiler start/stop		BO
BOILER	WES_HWP	hot water pump start/stop		BO
	WES_HWS	boiler hot water supply	1 Deg	AI
	WES_HWR	boiler hot water return	1 Deg	AI
	WES_HWF	boiler hw flow	5 gpm	AI
	WES_HWSP	boiler hw set point	1 Deg	AI
	WES_HWRP	hot water return pressure	1 psig	AI
	WES_HW_MKUP	hot water make up flow (pulse type meter)	10gal/pulse	BI
BLDG GENERATOR	WES_GENS	Generator status		BI
	WES_GEN_LOAD	monitor load side of transfer switch (DEM-2000)	1 kw	AI
	WES_GEN_GATEWAY	connect to gateway to import all data to Apogee		AI/AO/BO/BI
	WES_GEN_TRANSFER	generator transfer switch status		AI
	WES_GEN_ALM	generator alarm		BI
ROOM SENSORS	WES_RMxxxx (xxxx = room #)	logical name must be identified as WES_RMxxxx		P1 lan
		descriptor must be AH#_BOX#(eg AH01_VAV1-1)		
		wher AH= Air Handler		
		BOX # = actual vav box number as appearing on		
		100% asbuilt drawings		

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LAB UNITS	WES_LAB_RMxxxx	lab unit connected to Apogee P1		AI/AO/BO/BI
	WES_LAB_RMxxxx_FH1	lab fume hood on P1 lan		AI/AO/BO/BI
LAB EXHAUST	WES_EXHxx (where xx = exhaust #)	lab exhaust fan start/stop		BO
	WES_EXHxx_FLW	exhaust air flow	10 cfm	AI
	WES_EXHxx_VEL	exhaust air velocity	10 fpm	AI
	WES_EXHxx_SP	exhaust static pressure (negative value)	0.1"	AI
	WES_EXHxx_DMP	exhaust inlet damper (two position)		BO
	WES_EXHxx_RLF_DMP	exhaust relief damper	1%	AO
	WES_EXHxx_VFD	exhaust fan VFD	1%	AO
	WES_EXHxx_VFD_LAN	exhaust fan VFD on P1 lan		AI/AO/BO/BI