

SHSU Instrumentation and BAS Tag Nomenclature

(Rev. 1 June 13,2013)

This documents the SHSU Tag Nomenclature for all P&ID, PFD and BAS drawings, systems and graphics.

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LEGEND

Digit 1 - Process Stream

A – Instrument / Control Air
B – Chilled Water Supply (Cold)
C – Chilled Water Return
D – Condenser Water Supply (Cold)
E – Condenser Water Return
F – HVAC Air Supply (Cold)
G – HVAC Air Return
H – Outside Air
J – Exhaust / Vent Air
K – Domestic Water
L – Sanitation
M – Water Treatment
P – Plant Air
Q – IT / Communication
R – High Voltage
S – Low Voltage
T – Control / Instrumentation Voltage

Digit 2 thru 4 – Equipment Designation

AC – Alternating Current	IA – Instrument Air / Control Air
ACC – Accumulator	I/P – Digital to Analog Transducer
ACU – Air Chill Unit / Split System	KVA – Kilo Volt Amps
ACU – Air Coil Unit	KW – Kilowatt
AF – Air Filter	KWH – Kilo Watt Hour
AHU – Air Handler Unit	KX – Valve Position Closed
AI – Analog Input	LAB – Laboratory
AO – Analog Output	LAV – Lavatory
AP – Alarm Panel	LIN – Electrical Line
APS – Air Pressure Switch	LLS – Low Level Switch
AS – Air Separator	LLL – Low Low Level Switch
ATS – Automatic Transfer Switch	LP – Low Pressure
AUX – Auxiliary	LPS – Low Pressure Switch
BDV – Blow-Down Valve	LST – Low Pressure Steam

BFP – Boiler Feed Pump
BFV – Butterfly Valve
BFW – Boiler Feed Water
BV – Balancing Valve
BAV – Ball Valve
BPV – Back Flow Preventer
CAV – Continuous Air Volume Box
CHP – Chilled Water Pump
CHR – Chilled Water Return
CHS – Chilled Water Supply
CHV – Check Valve
CHW – Chilled Water
CND – Condenser
CO – Clean Out
CON – Condensate
CT – Cooling Tower
CW – Cold Water
CDW – Condenser Water
CWP – Condenser Water Pump
CWR – Condenser Water Return
CWS – Condenser Water Supply
DBT – Dry-Bulb Temperature
DC – Direct Current
DIU – Deionizer Unit

DI – Digital Input

DIW – Deionized Water
DPI – Delta Pressure Indicator
DPR – Damper
DPT – Delta Pressure Transmitter
DTI – Delta Temperature Indicator
DTT – Delta Temperature Transmitter
DW – Domestic Water
DWH – Domestic Water Heater
DWP – Domestic Water Pump
EA – Exhaust Air
ECV – Electrical Control Voltage
EF – Exhaust Fan
EFL – Electrical Fluorescent Light
EHT – Electrical Line Side
EHV – Electrical High Voltage
EJ – Expansion Joint
ELD – Electrical Load
ELS – Electrical Light Switch
ELV – Electrical Low Voltage

LTS – Low Temperature Switch
LV – Lab Vacuum
M – Meter
MB – Micro-Biological
MCC – Motor Control Center
MOV – Motor Operator Valve
MTR – Motor
NEU – Electrical Neutral
OAU – Outside Air Unit
OH – Hydroxyl (Base)
ORP – Oxidation Reduction Potential
P – Pump
PC – Pump Condensate
pH – Percent Hydrogen
PI – Pressure Indicator
PL – Pilot Light
PO – Pneumatic Operator
PRV – Pressure Reducing Valve

PS – Pressure Switch
PT – Pressure Transmitter
PVP – Pneumatic Valve Positioner
REF – Refrigeration Unit
RH – Relative Humidity
PRZ – Back Flow Preventer Domestic Water
RTD – Resistance Temperature Device
SAN – Sanitary Sewer
SDR – Smoke Damper
ST – Surge Tank
STM – Storm Water
SV – Solenoid Valve
SW – Switch
SWG – Switch Gear
T – Thermostat
TC – Trap Condensate
TCD – Thermo Couple Device
TI – Temperature Indicator
TS – Temperature Switch
TT – Temperature Transmitter
TTW – Treated Water
TW – Thermo-Well
TXV – Thermal Expansion Valve

UPS – Uninterruptible Power Source

ELV – Elevator
EO – Electrical Outlet
EVA – Evaporator
FCU – Fan Coil Unit
FCV – Float Control Valve
FDR – Fire Damper
FE – Flow Element
FI – Flow Indicator
FLA – Full Load Amps
FO – Fuel Oil
FOP – Fuel Oil Pump
FOR – Fuel Oil Return
FOS – Fuel Oil Supply
FOV – Fuel Oil Valve
FS – Flow Switch
FSD – Fire Smoke Damper
FT – Flow Transmitter
G – Gas
GA – Gage
GEN – Generator
GLV – Globe Valve
GND – Ground
GV – Gate Valve
HE – Heat Exchanger
HHS – High High Level Switch
HLS – High Level Switch
HOA – Hand-Off-Auto Switch
HOV – Hand Operated Valve
HP – Horse Power
HPS – High Pressure Switch
HST – High Pressure Steam
HTR – Heater
HTS – High Temperature Switch
HW – Hot Water
HWR – Hot Water Return
HWS – Hot Water Supply

VAV – Variable Air Volume Box
VBS – Vibration Switch
VBH – Vibration Monitor Horizontal
VBV – Vibration Monitor Vertical
VBA – Vibration Monitor Axial
VFD – Variable Frequency Drive
VFU – Ventilation Fan Unit
VP – Vacuum Pump
VPF – Valve Position Feedback
WB – Wet Bulb
WBT – Wet-Bulb Temperature
WCU – Water Chill Unit / Chiller
XFM – Transformer
ZX – Valve Position Open

Digit 5 thru 9 – Building Number (SHSU Designation)

Digit 6 thru 11 – Room Number (SHSU Designation)

Digit 12 thru 13 – Two digit identification number