



Building Automation System
Device & Object Naming Standard



PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
1 of 39

COVER

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
2 of 39

CONTENTS

#	Page	Description
1	COVER	Cover page
2	CONTENTS	Contents page
3	INTRO	Introduction
4	ANATOMY	Object name anatomy
5	BLDG-1	Building Abbreviations & Building Numbers, page 1
6	BLDG-2	Building Abbreviations & Building Numbers, page 2
7	BLDG-3	Building Abbreviations & Building Numbers, page 3
8	BLDG-4	Building Abbreviations & Building Numbers, page 4
9	BLDG-5	Building Abbreviations & Building Numbers, page 5
10	ABRV-1	Abbreviations & Eng. Units page 1
11	ABRV-2	Abbreviations & Eng. Units page 2
12	LEGEND-1	Symbol legend, page 1
13	LEGEND-2	Symbol legend, page 2
14	AHUVAV	VAV AHU
15	AHUHX	AHU heat recovery
16	AHUCTRLS	AHU control points
17	AHUMZ	Multi-zone AHU
18	VAV CV VVT FTU	VAV, CV, VVT terminal units
19	FCU	Fan coil units, baseboard, radiant
20	BEAM	Chilled beam units
21	ZONECTRLS	Zone and terminal unit control points
22	LAB	Laboratory controls
23	EXH	Exhaust systems
24	AHUDX	AHU with DX
25	VRV	Variable refrigerant volume units
26	CRAC	Computer room AC units
27	CHLR	Chillers
28	CHWS	Chilled water systems
29	CWDS	Condenser water systems
30	HWS1	Hot water systems (1)
31	HWS2	Hot water systems (2)
32	STM	Steam boilers & heat exchangers
33	HX	Heat exchangers
34	VFD	Variable frequency drives

#	Page	Description
35	VRF-2P & 3p	Variable Refrigerant Flow, 2-Pipe
36	LGT	Lighting systems
37	ELEC	Electrical devices
38	MISC	Miscellaneous objects
39	Revision History	Revision History

INTRODUCTION

This Building Automation System (BAS) Device & Object Naming Standard is intended to standardize the names of BAS, Lighting, Metering, and other devices and control objects. Character limitations vary between BAS products.

The provided diagrams are intended to aid the BAS technician in finding the appropriate names and tags for each object. The diagrams show generic HVAC, lighting, metering, and other equipment containing control points and objects, some of which may or may not be present in a particular application.

All device and object naming shall be submitted to University of Washington for review and approval prior to implementation – any system objects implemented prior to approval shall be corrected by the contractor at no additional cost to University of Washington.

Any control object, tag or point that is not represented in this standards document must be submitted via RFI. A response will be generated identifying the name that should be used for the application. If the supplied name is not currently represented in the standard document, it may be added.

It is understood that the object names for some products cannot be modified (i.e. “canned application” or “pre-configured” controllers.) These devices/object names shall be submitted with an indication that the controller cannot be customized.

Object Units Descriptions

Object units are suggested in parentheses, such as: (°F)

For analog points, the engineering units are provided. Engineering units are standardized, and University of Washington should be consulted where the standard units are inappropriate for the measurement or application.

Generally, analog outputs are expressed in percent (% or pct). For valves and dampers, %open/%closed is used. 0% open would indicate that the control object is closed. 100% open would indicate that the control object is open. For mixing dampers, diverting valves, face/ bypass dampers, etc., see unit indications where objects are found in diagrams in this document.

Binary outputs are generally expressed with (Off/On). Other binary units are provided depending on the application. The order of the state text labels is determined by the default position of the device. For example, a damper that is normally closed would use the units (Closed/Open), whereas a damper that is normally open would use (Open/Closed).

PROCESS

This Object Naming Standard shall be implemented according to the following process:

- 1) Engineer automation system to understand what objects are required.
- 2) Using the Device & Object Naming Standard document (this document), identify and document the standardized names for the control objects and devices.
- 3) Submit the proposed names to University of Washington.
- 4) Receive comments back, correct errors, and resubmit. Repeat process until all issues are resolved.
- 5) Object naming is approved by University of Washington.
- 6) Implement names into the BAS database and programming.

Failure to follow and complete these steps in order may result in substantial re-work by and at the expense of the BAS contractor.

SCOPE

This Object Naming Standard covers all BACnet-discoverable devices and objects. These include:

- AI, AO, AV, BI, BO, BV, MO, & MV point types
- Calendar objects (Cldr)
- Schedule objects (Sched)
- Trend Log objects (Td)
- Event Enrollment objects (Evt)
- Notification Class objects (Not)
- File objects (File)
- Command objects (Cmd)
- Devices

This Standard also covers all points, registers, etc. (objects) that are mapped using a driver, integration device, or system (such as Niagara Framework), and any additional objects created in the integration device or system. For example, registers mapped from a 3rd-party Modbus device to a BAS controller or integration device using a driver must be named using this Standard.

UNDERSTANDING THE STANDARD

In order to properly implement this Object Naming Standard, it is important to understand the goal it is intended to accomplish, the design philosophy of the naming system, and the methodology used to meet those goals.

GOAL:
Ensure that the way BAS devices and objects are named enables any user of the system or system data to instantly identify the device or object and understand the function of system objects, whether they are sensors, actuators, schedules, trend logs, etc. A user can be a human operator, but it can also be a computer that stores or processes information from the system.

PHILOSOPHY:
To allow a human to instantly identify a device or object simply by reading the name, at minimum the name must indicate which building it is in, what equipment or system it is associated with, what type of object it is, and what it does. These parts of the name must be human-readable using standardized abbreviations. These standardizations allow an operator or analyst to read, search, sort, group, and filter objects with ease.

A computer interpreter of a name would be able to use the building and equipment/system indications to group objects. To make the function of an object clear to a machine, the object type/function portion of the name is composed of standardized “camel-cased” abbreviations that a computer can break apart and use to automatically apply metadata tags. These tags allow applications, such as analytics engines or CMMS, to interpret information directly from the BAS or from a trend archive and create actionable responses and outputs.

METHODOLOGY:
To create names that are both human-readable and machine-readable, the structure and abbreviations of the names are standardized. Each name has three parts separated by underscores: Building Identifier, Equipment Designator, and Object Name. (See the “ANATOMY” page for technical details on structure standardization.) Building identifiers shall be specified by University of Washington. The Equipment Designator is a free-form field; the mechanical drawings equipment schedule can be used as a guide. The Object Name is a camel-cased, standardized name for the object.



PROJECT

Building Automation System
Device & Object Naming Standard

	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
3 of 39

INTRO

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

5 of 39

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
6594	400U	400 University
1088	AAB	4518-22 Univ Way NE
1500	ABAA	Arboretum Cottage
1501	ABAE	Arboretum Greenhouse
1502	ABAG	Arboretum Storage 1
1503	ABAJ	Arboretum Caretaker
1119	ACC	Wallace Hall
1185	ADL	Aerodynamics Lab
1080	ADS	4545 Bldg
1131	AER	Aero & Eng Rsch
1740	AHO	Alumni House
1107	ALB	Allen Library
6140	ALD	Alder Hall
1351	AND	Anderson Hall
4525	ARB	Arboretum Bldgs
1180	ARC	Architecture Hall
6403	ARCF	Animal Rsch Care Fac
1298	ART	Art Bldg
1294	ATG	Atmos Sci/Geophys
1317	AVA	Allen Ctr Vis Arts
4444	AWS	2024 3RD AVE
6413	B11	Bridges 11th
6415	B11C	Bridges 11th Central
6416	B11N	Bridges 11th North
6414	B11S	Bridges 11th South
1206	BAG	Bagley Hall
4360	BFB	SLU1 Brotman
6293	BGT	BURKE GILMAN TRAIL
4057	BIOE	Foege Bioeng
1132	BLD	Bloedel Hall
4527	BLV	Blakeley Village
1212	BMS	3018 Western Ave
1277	BNS	Benson Hall
1094	BOW	Bowman Bldg
6085	BRI	Benaroya Rsch Inst
6492	BRK	Burke Museum
4055	BSG	Baseball G & Husky B
6570	BSMC	Boat St Marina Ctr
6569	BSME	Boat St Marina East
5968	BSMW	Boat St Marina West
1524	BVA	Blakeley Vil Bldg A
1525	BVB	Blakeley Vil Bldg B
1526	BVC	Blakeley Vil Bldg C
1527	BVCC	Blakeley Vil Com Ctr
1528	BVD	Blakeley Vil Bldg D
1529	BVE	Blakeley Vil Bldg E
1530	BVF	Blakeley Vil Bldg F
1531	BVG	Blakeley Vil Bldg G

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
1532	BVH	Blakeley Vil Bldg H
1533	BVJ	Blakeley Vil Bldg J
1534	BVK	Blakeley Vil Bldg K
1023	CCC	Child Care Ctr
1152	CDA	Commodore-Duchess
1084	CDE	Canal Pl Office Park
1124	CDH	Condon Hall
6136	CDRE	Cedar E Apts
6135	CDRV	Cedar W Apts
1108	CHB	Chemistry Bldg
1219	CHCL	CHDD Clinic
4530	CHD	CHDD Buildings
1279	CHL	Chem Lib Bldg
1220	CHSB	CHDD South
1354	CHSC	CHDD School
1178	CLK	Clark Hall
1129	CMA	Ceramic & Metal Arts
1089	CMT	Cabrini Medical Twr
1161	CMU	Communications Bldg
1187	CNH	Canoe House
6187	COBB	Cobb Bldg
4598	COL	Collegiana
1133	CPG	Central Plaza Grg
3991	CSE	Allen Ctr for CSE
6502	CSE2	Gates Ctr for CSE
1166	CSH	Conibear Shellhouse
1355	CYB	Corp Yard Bldgs
4204	CYCO	Corp Yard Cont Off
5981	DEM	Dempsey Hall
1181	DEN	Denny Hall
1103	DRC	Douglas Rsch Consv
1019	DSC	3941 Univ Wy NE
4135	EC	HMC East Clinic
6337	ECC	Ethnic Cultural Ctr
1008	ECE	Elec & Comp Eng Bldg
1195	EDP	Hec Ed Pavilion
1182	EGA	Engineering Anx
1140	EGL	Eagleson Hall
4345	EH	HMC East Hospital
1072	EHD	668 NE Northlake Way
1041	EIC	3939 Univ Way NE
1325	ELB	Engineering Library
6137	ELM	Elm Hall
4097	ERS	E Receiving Station
1100	ESB	Env Safety Stor Bldg
1017	ESO	Env Safety Off Bldg
1316	EXED	BOA Exective Ed Ctr
1144	FAC	UW Club

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
1003	FCB	Financial Center
1367	FHCR	Fred Hutchinson
6326	FHD	Robert Arnold Bldg
6356	FIL	4201 Roosevelt
1111	FLK	Fluke Hall
6550	FNDR	Founders Hall
1101	FSB	Fleet Services Bldg
1076	FSC	NEC II Bldg C
1357	FSH	Fishery Sciences
1085	FTA	West Wall Bldg
1104	FTR	Fish Teach & Rsch
1275	GAB	Graves Anx Bldg
1042	GCS	3935 Univ Way NE
1139	GDR	Golf Driv Range Bldg
4037	GDRL	GOLF DRIV RANGE LIFT
3924	GH1	Gatehouse 1
3925	GH2	Gatehouse 2
3926	GH3	Gatehouse 3
3927	GH4	Gatehouse 4
3928	GH5	Gatehouse 5
3929	GH6	Gatehouse 6
3930	GH7	Gatehouse 7
4559	GHEN	Gatehouse E1 N
4560	GHES	Gatehouse E1 S
4523	GHS	Gatehouses
1051	GIL	Gilman Bldg
1135	GLD	Gould Hall
4058	GNOM	Foege Genome
1164	GRB	Gerberding Hall
1005	GRL	Westin Bldg
1134	GTH	Guthrie Hall
1344	GUA	Guggenheim Anx
1198	GUG	Guggenheim Hall
4606	GVC	Graham Visitors Ctr
1201	GWN	Gowen Hall
1194	HAG	Henry Art Gallery
1324	HCK	Hitchcock Hall
6128	HCT	HMC Center Twr
4349	HFES	HMC Fac Eng Svcs
4212	HFH	HMC Firehouse
1147	HGT	Haggett Hall
1272	HHA	Harborview Hall
1186	HHL	Harris Hydraulics
1203	HLL	Hall Health Ctr
4388	HM1	HMC Medic One
5992	HMB	HMC Maleng
6615	HMCC	HMC Child Care Ctr
1154	HND	Henderson Hall

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

6 of 39

BLDG - 2

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
6017	HNJB	HMC NJB
1204	HNS	Hanse Hall
1296	HPG	Haggett Prk Grg
1209	HPT	Hughes Penthouse
1313	HRB	HMC R&T
6524	HRC	Rosling Ctr Pop Hlth
4531	HRWW	HMC Med Ctr
4533	HS	Mag Health Sciences
1221	HSA	Mag H.S.C./A
1222	HSAA	Mag H.S.C./AA
1304	HSB	Mag H.S.C./B
1223	HSBB	Mag H.S.C./BB
1224	HSC	Mag H.S.C./C
1328	HSD	Mag H.S.C./D
1225	HSE	Mag H.S.C./E
6534	HSEB	Health Sci Ed Bldg
1226	HSF	Mag H.S.C./F
1227	HSG	Mag H.S.C./G
1228	HSH	Mag H.S.C./H
1300	HSI	Mag H.S.C./I
1174	HSJ	Mag H.S.C./J
1173	HSK	Mag H.S.C./K
1175	HSRR	Mag H.S.C./RR
1168	HST	Mag H.S.C./T
1153	HUB	Student Union
6054	HURS	1924 9th Ave
1302	HUT	Hutchinson Hall
1081	IBM	IBM Bldg
1029	IC2	Instructnl Ctr Anx
1183	ICH	Cunningham Hall
1323	ICT	Ehnic Cltr Ctr Thtr
1137	IMA	IMA
6082	INT	Intellectual House
3950	IPF	Dempsey Indoor Ctr
1102	ISA	Isaacson Hall
1200	JHN	Johnson Hall
1130	KIN	Kincaid Hall
1205	KIR	Kirsten Whd Tnl
1276	KNE	Kane Hall
1068	KNG	4909 25th Ave NE
1284	KTV	KCTS Transmitter
4004	L003	4242 24th Ave W
4008	L008	NORTHWAYS SQUARE E
4051	L026	Republican Bldg
4052	L027	664 NENorthlake Way
4146	L039	45th St Plaza Bldg
4377	L040	4326 UNIV WAYNE
4438	L042	909 NE Boat St

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
4590	L044	1616 Eastlake Ave E
6014	L090	UMMC LIQ O2
6051	L093	1561 Alaskan Way S
6071	L100	Canal Pl Office II
6011	L101	1930 BOREN AVE
6081	L107	1811 Eastlake Ave
6090	L108	401 5th Ave
6104	L118	HMC LIQ O2
6127	L121	2013 3rd Ave
6144	L125	GF Russell Jr Hall
6154	L134	1802 E Madison St
6206	L146	Airlift Northwest
6288	L169	Jefferson Terrace
6339	L180	NW Kidney Ctrs
6340	L181	9401 Aurora Bldg 3
6360	L185	2727 Franklin Ave E
6361	L186	3311 S 120th Pl
6367	L191	Bullitt Ctr
6385	L201	Columbia Ctr
6410	L218	4545 Roosevelt
6489	L230	Northgate Off Bldg
6501	L233	NW Endocrinology
6505	L234	617 Eastlake
6521	L241	NWH Meridian Clinic
6535	L249	Assembly 118 Apts
6555	L253	1021 Columbia St
6561	L257	Pioneer Bldg
6581	L267	Hobson Place
6584	L268	Plaza Lake City Bldg
6587	L269	Safeco Plaza
6603	L280	3820 6th Ave S
6627	L289	1201 W Nickerson St
6629	L291	12040 Aurora Ave N
6210	LAN	Lander Hall
4532	LAV	Laurel Village
1305	LAVC	Laurel Village C
1229	LAVM	Laurel Village M
1230	LAVN	Laurel Village N
1231	LAVP	Laurel Village P
1232	LAVQ	Laurel Village Q
1233	LAVR	Laurel Village R
1234	LAVS	Laurel Village S
1235	LAVT	Laurel Village T
1236	LAVU	Laurel Village U
1237	LAVV	Laurel Village V
1238	LAVW	Laurel Village W
1239	LAVX	Laurel Village X
1240	LAVY	Laurel Village Y

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
1420	LAW	William H Gates Hall
1177	LEW	Lewis Hall
1346	LOW	Loew Hall
6513	LSB	Life Sciences Bldg
6429	LSBC	Life Sci Bldg Cmplx
6514	LSG	Life Sci Greenhouse
6693	LU01	2500 Westlake Ave N
6211	MAH	Maple Hall
1122	MAR	Marine Studies Bldg
6472	MCC	McCarty Hall
1143	MCM	McMahon Hall
6471	MDR	Madrona Hall
1347	MEB	Mechanical Engr Bldg
1197	MGH	Mary Gates Hall
6290	MHG	UW MED HERB GARDEN
1192	MLR	Miller Hall
1126	MNY	Meany Hall
6105	MOL	Molecular Eng Bldg
1171	MOR	More Hall
1082	MPE	Met Park E Twr
1146	MPG	McMahon Pkng Grg
1321	MPW	Met Park W Twr
6317	MRCA	Mercer Court Bldg A
6377	MRCB	Mercer Court Bldg B
6378	MRCC	Mercer Court Bldg C
6379	MRCD	Mercer Court Bldg D
6380	MRCE	Mercer Court Bldg E
6381	MRCG	Mercer Court Grg W39
6316	MRCR	Mercer Court
6214	MRK	Markham Bldg
1138	MSB	Marine Sciences Bldg
1079	MTA	Skinner Bldg
4534	MTP	Metro Tract Bldgs
1109	MUE	Mueller Hall
1299	MUS	Music Bldg
3911	N28	Parking Garage N-28
6428	NAN	Nanoengineering Bldg
4064	NC1	Nordheim Court 1
4061	NC2	Nordheim Court 2
4067	NC3	Nordheim Court 3
4065	NC4	Nordheim Court 4
4066	NC5	Nordheim Court 5
4062	NC6	Nordheim Court 6
1535	NC7	Nordheim Court 7
4068	NC8	Nordheim Court 8
6493	NCG	Nordheim Court Grg
6278	NCLW	UWPC - Ravenna
4229	NCP1	NORDHEIM CRT EMER P

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

7 of 39

BLDG - 3

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
3933	NGP	Northgate Plaza
1291	NHS	NW Hort Soc Hall
1116	NLB	Northlake Bldg
6323	NLC	Northlake Commons
4436	NMH	Merrill Hall
1167	NPC	NPL Cyclotron Bldg
1348	NPS	NPL Cyclotron Shop
1150	NPV	NPL Van de Graaff
1105	NTC	Nordstrom Tennis Ctr
6539	NWCC	UWMC NW Child Care
6314	NWH	UW Med Ctr Northwest
6446	NWHA	UWMC NW/A
6447	NWHB	UWMC NW/B
6448	NWHC	UWMC NW/C
6450	NWHE	UWMC NW/E
6474	NWJW	NWH Jennings
6421	NWMA	Medical Arts Bldg
6319	NWMM	McMurray Med Bldg
6422	NWMO	Medical Office Bldg
6423	NWO	NWH Outpatient
6540	NWPG	UWMC NW Parking Grg
6503	OAK	Oak Hall
1349	OBS	Jacobsen Observatory
1352	OCE	Oceanography Bldg
1314	OCN	Ocean Sciences Bldg
1049	ODB	Oceanog Dock Bldg
6193	OLGA	Olympic Garage
6188	OLYM	Fairmont Olympic
1037	OR2	Ocean Rsch Bldg 2
1189	OSS	Oceanog Stor Shed
1141	OTB	Oceanog Teach Bldg
1286	OTS	1429 NE Boat St
4352	OTS2	1425 NE Boat St
1074	OTT	Roosevelt I
1125	OUG	Odegaard Library
1306	PAA	Physics/Astron Adtrm
1242	PAB	Physics/Astron Bldg
1289	PAH	Canal St Bldg
1179	PAR	Parrington Hall
1243	PAT	Physics/Astron Twr
6213	PATH	PATH Seattle
4542	PAX	Physics/Astronomy
1163	PBB	Portage Bay Bldg
6333	PBCR	PSBC Rsch Inst
5980	PCAR	PACCAR Hall
1112	PCH	Purch & Account Bldg
1136	PDL	Padelford Hall
1159	PHT	Jones Playhouse

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
4535	PKNG	Parking Areas
4038	PO1	Plant Ops Anx 1
1038	PO2	Plant Ops Anx 2
1039	PO3	Plant Ops Anx 3
1184	PO4	Plant Ops Anx 4
1040	PO5	Plant Ops Anx 5
1026	PO6	Plant Ops Anx 6
1199	POB	Plant Ops Bldg
6138	POP	Poplar Hall
1128	PPG	Padelford Park Grg
4248	PRMC	Providence James Twr
1063	PRO	Warren Bldg
1053	PRR	Hillcrest
1148	PSB	Plant Svcs Bldg
6153	PSBC	Puget Snd Blood Ctr
4213	PSC	Pioneer Sq Clinic
1106	PSV	Publication Svcs
1196	PVP	Pavilion Pool
1350	PWR	Power Plant
1075	QUC	Roosevelt II
1301	RAI	Raitt Hall
6192	RAIN	Rainier Tower
1047	RAX	Roberts Anx
6118	RC	Radford Court
4399	RC1	6431 Radford Dr
4405	RC10	6155 Radford Dr
4406	RC11	6150 Radford Dr
4407	RC12	6378 Radford Dr
4408	RC13	6162 Radford Dr
4409	RC14	6163 Radford Dr
4410	RC15	6169 Radford Dr
4411	RC16	6173 Radford Dr
4412	RC17	6179 Radford Dr
4413	RC18	6183 Radford Dr
4414	RC19	6189 Radford Dr
4400	RC2	6451 Radford Dr
4415	RC20	6180 Radford Dr
4225	RC21	6346 Radford Court
4216	RC22	6200 Radford Court
4416	RC23	6246 Radford Dr
4217	RC24	6205 Radford Court
4417	RC25	6227 Radford Dr
4418	RC26	6245 Radford Dr
4219	RC27	6255 Radford Court
4221	RC28	6267 Radford Court
4220	RC29	6271 Radford Court
4401	RC3	6423 Radford Dr
4419	RC30	6262 Radford Dr

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
4222	RC31	6278 Radford Court
4420	RC32	6300 Radford Dr
4421	RC33	6303 Radford Dr
4422	RC34	6315 Radford Dr
4224	RC35	6333 Radford Court
4423	RC36	6349 Radford Dr
4223	RC37	6330 Radford Court
4424	RC38	6350 Radford Dr
4425	RC39	6353 Radford Dr
4228	RC4	6401 Radford Court
4226	RC40	6367 Radford Court
4426	RC41	6387 Radford Dr
4227	RC42	6371 Radford Court
4427	RC43	Children Ctr Radford
4428	RC44	6301 65th Ave NE
4429	RC45	6321 Radford Dr
4430	RC46	6319 65th Ave NE
4431	RC47	6323 65th Ave NE
4432	RC48	6331 65th Ave NE
4433	RC49	6401 65th Ave NE
4402	RC5	6450 Radford Dr
4434	RC50	6417 65th Ave NE
4435	RC51	6425 65th Ave NE
4403	RC6	6400 Radford Dr
4404	RC7	6101 Radford Dr
4214	RC8	6121 Radford Court
4215	RC9	6145 Radford Court
4053	RCE	Roosevelt Commons E
6390	RCW	Roosevelt Commons W
1191	ROB	Roberts Hall
6357	ROM	Romero House
6533	RSQ	Rainier Square
4353	RTB	Ben Hall Int Rsch
1327	SAV	Savery Hall
6702	SBB8	Saltbox, Inc.
4254	SBE	Salmon Bay East
4255	SBN	Salmon Bay North
6543	SBPC	Softball Perf Ctr
1315	SBS	Softball Stadium
1244	SCA	Stevens Court A
1245	SCB	Stevens Court B
6606	SCBC	SCRI Building Cure
4558	SCBL	Stevens Court Bckhs
1246	SCC	Stevens Court C
3908	SCCA	SCCA
6347	SCCP	SCCA Proton Ctr
1247	SCD	Stevens Court D
1307	SCF	Stevens Court F

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinstry

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

8 of 39

BLDG - 4

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
1118	SCG	Stevns Ct Grg W32&33
1248	SCH	Stevens Court H
1330	SCHH	Seattle Children's
1249	SCJ	Stevens Court J
1250	SCK	Stevens Court K
1251	SCL	Stevens Court L
1329	SCM	Stevens Court M
5985	SCMD	SCRI MacDonald
6500	SCW8	SCRI West 8th
6589	SDC1	Seattle Data Ctr 01
4599	SFCO	Safeco Properties
1285	SGS	3947 Univ Way NE
1045	SHA	Shellhouse Anx
1332	SIG	Sieg Building
6334	SL31	SLU3 Phase 3.1
6507	SL32	SLU3 Phase 3.2
6005	SLA	SLU2 Lab South
6006	SLB	SLU2 Lab North
6007	SLC	SLU2 Admin
6008	SLU	SLU Bldgs
1208	SMI	Smith Hall
1127	SMZ	Schmitz Hall
1308	SOCC	South Campus Ctr
1374	SP1	Sand Point Bldg 5
4484	SP28	4575 SANDPOINT WYNE
3934	SP4	Sand Point Bldg 9
3935	SP5	WA Dental Svc Bldg
6382	SP5A	Sand Point Bldg 5A
6048	SP5B	Sand Point Bldg 5B
6383	SP5C	Sand Point Bldg 5C
6384	SP5D	Sand Point Bldg 5D
3936	SP6	Sand Point Bldg 29
4035	SP9	Sand Point Bldg 138
4537	SPB	Sand Point Bldgs
1295	SPG	South Campus Pk Grg
1115	SSB	Brooklyn Trail Bldg
4538	STC	Stevens Court
1188	STD	Stadium
4528	STDC	Stadium Concession
4358	STE	Patricia Steel Bldg
1193	SUZ	Suzzallo Library
4210	SVG	SYLVAN THEATRE
4564	SVH	Swedish First Hill
1121	SWS	Soc Wk/ Sp Hearng Sci
6212	TEH	Terry Hall
1149	TGB	Graves Hall
1356	THO	Thomson Hall
6532	TL61	Emergency Med Trlr

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
6637	TL65	W35-HARING CTR 1
6638	TL66	W35-HARING CTR 2
6639	TL67	W35-HARING CTR 3
6640	TL68	W35-HARING CTR 4
6641	TL69	W35-HARING CTR 5
6642	TL70	W35-HARING CTR 6
4445	TMP1	2 NICKERSON ST
4355	TP	Thompson Pier
1110	TPG	Triangle Park Garage
6343	TRCK	HUSKY TRACK
1155	TSB	Transportation Svcs
1090	UDB	Univ Distric Bldg
1064	UED	Puget Sound Plaza
1172	UHF	Urb Hort Field Hse
1253	UMCC	UWMC Montlake/CC
6353	UMCU	UWMC Montlake Util
6564	UMCW	UWMC Montlake CWP
1254	UMEA	UWMC Montlake/EA
1255	UMEB	UWMC Montlake/EB
1256	UMEC	UWMC Montlake/EC
1241	UMEE	UWMC Montlake/EE
1257	UMNE	UWMC Montlake/NE
1258	UMNN	UWMC Montlake/NN
1259	UMNW	UWMC Montlake/NW
6498	UMPH	UWMC Montlake PH
6091	UMSA	UWMC Montlake/SA
1260	UMSE	UWMC Montlake/SE
3958	UMSP	UWMC Montlake/SP
1261	UMSS	UWMC Montlake/SS
1262	UMSW	UWMC Montlake/SW
1113	URC	SW Maint Bldg
4540	UTL	Utilities
4493	UWBC	UWNC Belltown
6409	UWBL	UWNC Ballard
4541	UWMC	UW/Medical Center
6392	UWPD	UW Police Department
4595	UWTC	UW Tower Bldg C
4594	UWTO	UW Tower Bldg O
6311	UWTP	UWNC Thornton Place
6309	UWTR	UWNC Thornton Resdnc
4596	UWTS	UW Tower Bldg S
4593	UWTT	UW Tower Bldg T
3938	VAH	VAPSHCS Seattle
3895	W29	Stevns Ct Pk Grg W29
4600	W45	Parking Garage W-45
4601	W46	Parking Garage W-46
6477	W8	W8 Garage
1120	WAC	Waterfront Activ Ctr

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
4347	WC	HMC West Clinic
1170	WCL	Wilson Ceramic Lab
1273	WCP	Portage Bay Pkg Fac
4567	WCPT	HMC Viewpark Garage
6445	WCUP	W Campus Util Plant
6249	WFRC	Wstrn Fish Rsch Ctr
1151	WFS	Winkenwerder
4346	WH	HMC West Hospital
6134	WHF	W.H. Foege
1345	WIL	Wilcox Hall
1022	WLA	Wilson Anx
6473	WLW	Willow Hall
1054	WNX	Winkenwerder Anx
1117	WRS	W Receiv Station
1030	WSG	3710 Brooklyn Ave NE
1031	WSP	3716 Brooklyn Ave NE
3792	X01	DOCKS
3783	X02	WATERDIST SYS
3800	X03	LANDSCAPING
3799	X04	LANDFILL
3798	X05	HELISTOP PAD
3796	X07	GARBAGE STATIONS
3795	X08	FISHERIES PONDS
3802	X09	LEWIS SATELITE DSH
3793	X10	DRUMHELLER FOUNTAIN
4083	X104	HMC Boren Ave Grg
4126	X107	NE2 SUBSTATION
4127	X108	NW7A SUBSTATION
4128	X109	AF-3 SUBSTATION
3803	X11	MONUMENTS
4129	X110	LC3-4 SUBSTATION
4137	X112	BLDG MECH SYS
3791	X12	UW COLUMNS
4167	X123	MORE GAS STORAGE
4168	X124	WILCOX GAS STORAGE
4395	X128	LFT STAT J WING
3790	X13	CLIMBING ROCK
4491	X130	APL BOAT DOCK
6289	X131	1911 Aurora Ave N
3789	X14	CAMPUS SIGNAGE
3788	X15	BUS SHELTERS
4550	X150	811 MAYNARD AVES
4551	X151	77 SWASHINGTON ST
4552	X152	Springbrook Bldg
3787	X16	BICYCLE FACILITIES
4553	X160	2345 EAST LAKE AVE E
4557	X162	400 N 34th St
6110	X168	2124 4TH AVE

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
9 of 39

BLDG - 5

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
3786	X17	BENCH MARKS
4572	X170	GENERAL
4573	X171	SITE IMPROVEMENTS
4574	X172	IMPRV MNT HANDICAP
4575	X173	TOPO & PROP SURVEY
4576	X174	ANIMAL CORRALS
4619	X175	2324 Eastlake Ave E
3785	X18	ATHLETIC FIELDS
6398	X191	500 19th Ave E
6015	X193	NOAA WRC Bldg 3
6237	X195	DF/NET Research, Inc
3794	X20	FENCES
6279	X207	216 James St
6506	X212	3701 EASTLAKE PL NE
6511	X214	416 15th Ave E
6516	X215	ARBORETUM ED SHELTER
6538	X217	1213 Valley St
6566	X223	1600 Eastlake Ave E
6582	X227	UW Station
6583	X228	U District Station
6585	X229	1144 Eastlake
6608	X230	HMC HIH Holiday Inn
6609	X231	HMC Aurora Commons
6610	X232	450 NE 100th St
6611	X233	Plymouth Clinic
6612	X234	Estelle Clinic
6613	X235	Evergreen Treatment
6614	X236	DESC Morrison Clinic
3801	X29	LAWN SPRINKLER
3782	X31	UWMC WATER
3770	X32	SEWERS SYSTEM
3771	X34	SPV SRY CNTRL SYS
3772	X35	STEAM DIST SYS
3773	X36	TELEPHONE DIST SYS
3774	X37	UTIL TUNNEL SYS
3775	X38	UWMC AIR
3776	X39	UWMC ELECTIRCAL
3777	X40	UWMC FIRE SYS
3778	X41	UWMC OXYGEN-N2O
3779	X42	UWMC RECEPTACLES
3781	X44	UWMC WASTE
3767	X45	HS WASTE
3784	X46	AIR INTAKES- EXHST
3805	X48	PARKING AREAS
3806	X49	ROADS
3807	X50	SHELTERS
3808	X51	STREET LIGHT SYS
3809	X52	TOWER FLAG POLES

FACILITY_NUMBER (FACNUM)	BUILDING ABBREVIATION (FACILITY_CODE)	NAME
3810	X53	WALKS AND STAIRS
3811	X54	WATERFRONT TRAIL
3780	X56	UWMC VACUM
3756	X57	HS OXYGEN-N2O
3745	X59	AIR DIST SYS
3746	X60	CCTV SYSTEM
3747	X61	CENT CHILL WATER
3748	X62	CLOCK-BELL SYS
3749	X63	CNT FIRE PRCTCN
3750	X64	ELECTRICAL DIST SYS
3751	X65	GAS DIST SYS
3752	X66	GENERAL UTILITIES
3753	X67	HS AIR
3769	X68	POWER PLANT
3755	X69	HS FIRE SYS
3768	X70	HS WATER
3757	X71	HS RECEPTACLES
3758	X72	HS URSAIR
3759	X73	HS URSELECTIRCAL
3760	X74	HS URSFIRE SYS
3761	X75	HS URSOXYGEN-N2O
3762	X76	HS URS RECEPTLS
3763	X77	HS URSVACUM
3764	X78	HS URSWASTE
3765	X79	HS URSWATER
3766	X80	HS VACUM
3754	X82	HS ELECTIRCAL
3916	X84	LFT STAT COLUMBIA RD
3917	X85	LFT STAT DOUGRSCH
3918	X86	LFT STAT GRAVES FLD
3919	X87	LFT STAT IMA TENNIS
3920	X88	LFT STAT SOUTH CAMP
3921	X89	LFT STAT STADIUM
3922	X90	LFT STAT WATERFRONT
3923	X91	LFT STAT BOAT STREET
4056	X96	SOCCER FIELD
4071	X99	BLDG CONVEYING SYS
4364	Z01	307 Westlake Ave N
6701	BOHC	Basketball Operations Health Center

For most up-to-date UW building directory refer to:
<https://facilities.uw.edu/bldg>

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
10 of 39

Standard Point Name Abbreviations (Page 1)

A	
AcDn	Access Denied
AcGr	Access Granted
Act	Active
Adj	Adjustable, Adjust
ADR	Automatic Demand Response
AFMS	Air Flow Measuring Station
AHU	Air Handling Unit
Air	Air
AirCond	Air Conditioning
AirDry	Air Dryer
Alm	Alarm (Off/On)
Alt	Alternate
Amp	Amperage/Current
AppPwr	Apparent Power (kVA)
Aprch	Approach
Area	Area
Asp	Aspirating
ATS	Automatic Transfer Switch
Ava	Available
Auth	Authority
Auto	Automatic / Automatic Operation
Aux	Auxiliary
Avg	Average
B	
Batt	Battery
Bb	Baseboard
Bldg	Building
Blr	Boiler
Blw	Blow
Box	Box
Brnch	Branch
Bstr	Booster
Btn	Button
BTU	British Thermal Unit
Byp	Bypass
C	
C	Phase C
Cal	Calculated/Calculation
Cap	Capacity
CC	Cooling Coil
CD	Cold Deck
Cd	Condenser
CdPan	Condenser Pan
CDW	Condenser Water
CDWR	Condenser Water Return
CDWS	Condenser Water Supply
CFM	Cubic Feet Per Minute
Chg	Change/Changeover/Switchover
Chlr	Chiller
CHW	Chilled Water
CHWR	Chilled Water Return
CHWS	Chilled Water Supply
Cir	Circulating/Circulation
Cl	Cool
Clg	Cooling
Cls	Close
Clsd	Closed
Cmbs	Combustion
Cmd	Command (Off/On)
Cmp	Compressor
Cnd	Condensate
Cnt	Count

C (continued)	
CO2	Carbon Dioxide
Coeff	Coefficient
Cont	Contactora
Conv	Convector
Cply	Capillary
CRAC	Computer Room Air Conditioner
CT	Cooling Tower
Ctrl	Control
Cur	Current
D	
DA	Discharge Air (Unit)
Day	Day
Db	Deadband
DC	Direct Current
DCV	Demand-Controlled Ventilation
DCW	Domestic Cold Water
Dec	Decrease
Deck	Deck
Det	Detector
Dev	Device
Dew	Dewpoint (°F)
Dfrst	Defrost
DHW	Domestic Hot Water
DHWS	Domestic Hot Water Supply
Dif	Differential
Dis	Discharge
Div	Diverting
Dly	Delay
Dmd	Demand
Dmp	Damper
Dn	Down
Door	Door
DR	Demand Response
Drn	Drain
DryB	Dry Bulb
DTC	Dual Temperature Coil
Duct	Duct
DW	Domestic Water
Dwg	Drawing
DX	Direct Expansion
E	
E	East
EA	Exhaust Air
Econ	Economizer
EDH	Electric Duct Heater
EF	Exhaust Fan
Eff	Effective
Eject	Ejection
Elec	Electric
Elmt	Element
Emer	Emergency
Ena	Enable
Enrg	Energy (kWh)
Ent	Enter/Entering
Enth	Enthalpy
Erl	Early
Err	Error
ESS	Emergency Stop Switch
Ev	Evaporator
Exh	Exhaust
F	
Fail	Failure

F (continued)	
Fan	Fan
Fast	Fast Fan Speed
Fault	Fault
Fdbk	Feedback
Fbyp	Face/Bypass
Fclg	Free Cooling
FCU	Fan Coil Unit
FF	Flame Fail
Flr	Floor
Flt	Filter
Flush	Flush
Flw	Flow
Fnl	Final
FPM	Feet Per Minute
Freq	Frequency
Frst	Frost
G	
Gal	Gallon
Gas	Butane, Natural Gas, etc.
Gen	Generator
GH	Gas Heater
Gly	Ethylene Glycol
GlyR	Glycol Return
GlyS	Glycol Supply
GPM	Gallons Per Minute
Grd	Ground
Grn	Green
H	
Hand	Manual
HC	Heating Coil
HD	Hot Deck
Head	Head
Hi	High
High	High Fan Speed
HL	High Limit
HOA	Hand/Off/Auto
Hor	Horizontal
HP	Horse Power
HPrs	High Pressure
Hr	Hour
HTCO	High Temp Cut Out
Ht	Heat
Htg	Heating
Htr	Heater
Hum	Humidifier
HW	Hot Water
HWR	Hot Water Return
HWS	Hot Water Supply
HX	Heat Exchanger
Hz	Hertz
I	
IAQ	Indoor Air Quality
IEQ	Indoor Environmental Quality
In	Input
Inc	Increase
Ind	Indicator
Inj	Injector
Inlet	Fan Air Inlet
Inv	Inverter
INWC	Inches of Water Column
Irg	Irrigation
Iso	Isolation

K	
Kfctr	K-factor
KVA	Kilo-Volt-Amperes
KVAR	Kilo-Volt-Amperes Reactive
Kw	Kilowatt
KwD	Kilowatt Demand
KwH	Kilowatt Hours
L	
Lab	Lab
Lag	Lag
Lb	Pound
Lck	Lockout
Lead	Lead
Lkd	Locked
LL	Low Limit
Lmt	Limit
Lnk	Link
Lo	Low
Low	Low Fan Speed
Load	Load
Lp	Loop
LPrs	Low Pressure
LPrsStm	Low Pressure Steam
LTCO	Low temp Cut out
Lvg	Leaving
Lvl	Level
M	
MA	Mixed Air
Man	Manual
Max	Maximum
Mech	Mechanical
Med	Medium Fan Speed
Mf	Manifold
Mfr	Manufacturer
Min	Minimum
Misc	Miscellaneous
Mix	Mixing
Mod	Modulation, Modulating
Mode	Operating Mode
MPrs	Medium-Pressure
Ms	Mass
Mtr	Meter
MU	Make-Up
N	
N	North
Nbr	Number
Neg	Negative
Neut	Neutral
Nght	Night
Nom	Nominal
NormClsd	Normally Closed
NormOpn	Normally Open
Ntfcn	Notification
O	
OA	Outside Air
OAF	Outside Air Fan
Occ	Occupied
Off	Off
Offst	Offset
Oil	Oil
OL	OverLoad
On	On

O (continued)	
Open	Open
Oper	Operation, Operator
Opt	Optimal
OT	OverTime
Out	Ouput
Ovrd	Override
P	
Pan	Pan
Par	Parallel
PC	Pre-Cool
Pct	Percent
PDU	Power Distribution Unit
Peak	Peak
Perf	Performance
PH	Preheat
PID	Proportional/Integral/Derivative
PIU	Power Induction Unit
Ple	Plenum
Plnt	Plant
Pls	Pulse, Pulses
Plt	Pilot
Pmp	Pump
Pnl	Panel
POA	Plane of Array
Pos	Position (%)
PM	Particulate Matter
PPM	Parts Per Million
Pre	Pre
Precip	Precipitation
Prev	Previous
Pri	Primary
Prop	Proportional
Prot	Protective
Prs	Pressure (psi, inWC) / Pressurization
PtRatio	Potential Transformer Ratio
PVTS	Photovoltaic System
Pwr	Power (kW)
PwrFct	Power Factor
Q	
Qlty	Quality
R	
RA	Return Air
Rad	Radiant
Rat	Rate
RctPwr	Reactive Power (kVAR)
Rcv	Recovery, Recovered
Rec	Recovery
Rej	Rejection, Rejected
RelHum	Relative Humidity (%)
RelPwr	Real Power (kW)
Rem	Remaining
Req	Required
Rev	Reversing
RevAct	Reverse Acting
RF	Return Fan
Rfg	Refrigerant
RH	Re-Heat
Rlf	Relief
Rly	Relay
Rm	Room
Rmp	Ramp
Rmt	Remote

PROJECT

Building Automation System
Device & Object Naming Standard

△ #	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinstry

REV. DATE: **7/22/26**

SHEET TITLE & NUMBER:

11 of 39

Standard Point Name Abbreviations (Page 2)

R (continued)	
Rng	Range
RnTm	Run Time (hours)
RO	Relay Output
RPM	Revolutions Per Minute
Rqst	Request
Rst	Reset
RstH	High End of Reset Scale
RstL	Low End of Reset Scale
Rtn	Return
Rto	Ratio
RTU	Roof Top Unit
Run	Run
S	
S	South
SA	Supply Air
Sash	Sash
Sat	Saturation
Sched	Schedule
Sct	Suction
Sec	Secondary
Sel	Select/Selection
Seq	Sequence
Ser	Series, Service
SF	Supply Fan
Size	Size
Slab	Slab
Slow	Slow Fan Speed
Smk	Smoke
Snsr	Sensor
Snw	Snow, Snow-melt
Sp	Setpoint
Spd	Speed Control Command (%)
Spr	Spray
SqFt	Square Feet
SS	Start-Stop
Stby	Standby
Std	Standard
Stg	Stage
Stm	Steam
Stop	Stop
St	Static
Str	Strainer
Strt	Start
Strts	Starts
Sts	Status (Off/On)
Sump	Sump
Sumr	Summer
Sup	Supply
Surf	Surface
Sw	Switch
Sys	System
T	
Td	Trend (History)
THD	Total Harmonic Distortion
Tm	Time
Tmp	Temperature (°F)
Tmr	Timer (s)
Trk	Tank
TOD	Time Of Day
Tons	Tons of Refrigeration
Tot	Total
Trk	Tracking
U	
Ulkd	Unlocked
Unbal	Unbalanced
Unit	Unit

U (continued)	
UnitHtr	Unit Heater
UnitVent	Unit Ventilator
Uoc	Unoccupied
Up	Up
UPS	Uninterruptible Power Supply
Util	Utility
Usr	Zone Occupant (User)
V	
VA	Volt Amperes/ Variable Air
VAC	Volts Alternating Current
Val	Value
VAV	Variable Air Volume
VDC	Volts Direct Current
Vel	Velocity
Vib	Vibration
Vent	Ventilation
VFD	Variable Frequency Drive
Vlv	Valve
Vol	Volume
Vlt	Voltage
VOC	Volatile Organic Compounds
W	
W	West
Warn	Warning
Wtr	Water
WTS	Water Treatment System
WB	Wet Bulb
Wntr	Winter
Wh	Wheel
Wm	Warm
Wrls	Wireless
Z	
Zn	Zone

Standard Meter Type Abbreviations	
CD	Condensate
CH	Chilled Water
CW	Condenser Water
DF	Diesel Fuel
DH	Domestic Hot Water
DW	Domestic Water
EL	Electricity
FO	Fuel Oil
GW	Gray (Reclaimed) Water
HW	Heating Hot Water
IW	Irrigation Water
MW	Make-up Water
NG	Natural Gas
PG	Propane Gas
PV	Photovoltaic Electricity
SH	Solar (Heat) Thermal Energy
ST	Steam
TE	Thermal Energy
TW	Tempered Water

Standard Engineering Units & Unit Abbreviations

Air Flow Velocity:	Feet per minute (fpm)
Air Flow Volume:	Cubic Feet per Minute (cfm)
Air Pressure Differential:	Inches of Water Column Differential (inWCD, "WCD)
Air Pressure:	Inches of Water Column (inWC, "WC)
Carbon Dioxide (CO2):	Parts per Million (ppm)
Carbon Monoxide (CO):	Parts per Million (ppm)
Electrical Current:	Amperes (A)
	Milliamps (mA)
Electrical Energy (apparent):	Volt-ampere-hour (VAh)
	Kilovolt-ampere-hour (kVAh)
Electrical Energy (real):	Watt-hour (Wh)
	Kilowatt-hour (kWh)
	MW-hour (MWh)
Electrical Power (apparent):	Volt-amperes (VA)
	Kilovolt-amperes (kVA)
Electrical Power (real):	Watt (W)
	Kilowatt (kW)
	Megawatt (MW)
	Gigawatt (GW)
Electrical Voltage:	Direct Current Volts (VDC)
	Alternating Current Volts (VAC)
	Millivolts (mV)
Modulating Command:	Percent (%open/ %closed)
Natural Gas Volume:	Cubic Feet (CF)
	Hundred Cubit Feet (CCF)
	Thousand Cubit Feet (MCF)
Relative Humidity:	Percent (%)
Temperature:	Degrees Fahrenheit (°F)
Thermal Energy:	British Thermal Unit (BTU)
	Thousand BTU (MBTU)
	Million BTU (MMBTU)
	Tons of Cooling (Tons)
Time:	Seconds (s)
	Minutes (m)
	Hours (h)
Volatile Organic Compound (VOC):	Parts per Million (ppm)
Water Pressure Differential:	Pounds per Square Inch Differential (psiD)
Water Pressure:	Pounds per Square Inch (psiG)
Water Volume:	Gallons (Gal)

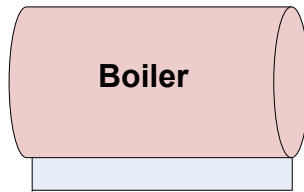
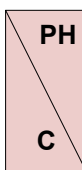
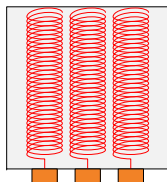
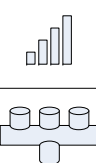
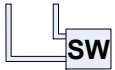
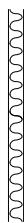
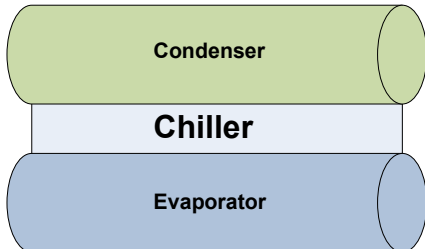
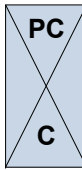
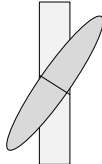
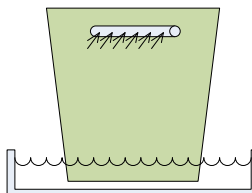
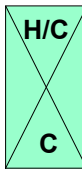
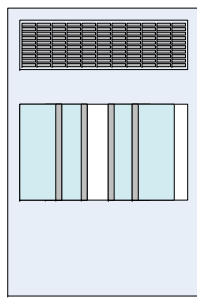
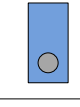
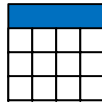
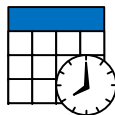
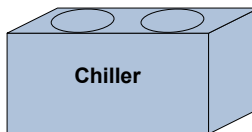
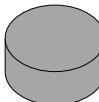
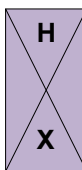
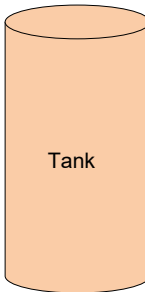
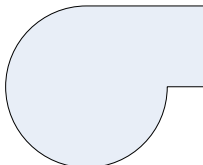
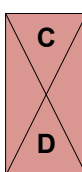
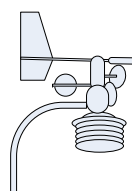
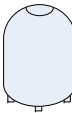
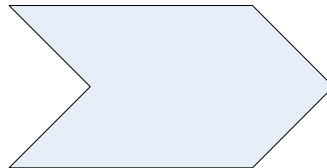
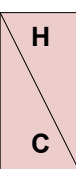
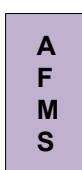
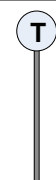
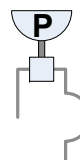
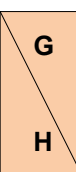
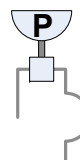
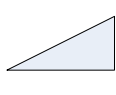
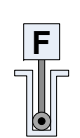
Min/Max/Hi/Lo/HL/LL Usage

Min = Lowest value in a set
Max = Highest value in a set

Avg = Average or mean of a set

Hi = Value is considered too high
Lo = Value is considered too low

HL = Highest allowable value – high limit
LL = Lowest allowable value – low limit

	Boiler		Air-to-Air Heat Exchanger		Pre-Heating Coil		Electric Duct Heater		Wireless		Air Pressure Differential Switch		Wall		
	Water-Cooled Chiller				Pre-Cooling Coil		Terminal Unit Damper		3-Way Valve		OSA Temperature Sensor				
	Cooling Tower		Variable Frequency Drive		2-Pipe Heating/ Cooling Coil		Lab Fume Hood		Damper Actuator		Air Pressure Differential Switch		Calendar		
											OSA Temperature Sensor			Schedule	
	Air-Cooled Chiller		DX Compressor		Heat Exchanger Coil		Water-to-Water Heat Exchanger		Averaging Duct Temperature Sensor		OSA Relative Humidity Sensor		Refrigerant		
	Storage Tank										OSA Air Quality Sensor			Delta	
		Fan or Pump		Cooling Coil		Condenser Coil		Direct-Expansion Valve		Averaging Duct Temperature Switch		Weather Station		Compressor	
															Space Temperature Sensor
	Ductwork		Heating Coil		Air Flow Measuring Station		Strainer		Duct Smoke Detector		Space Relative Humidity Sensor				
															Well Temperature Sensor
			DX Coil		Filter		Air Temperature Duct Sensor		Well Temperature Sensor		Hydronic Pressure Sensor				Space Occupancy Sensor
															Hydronic Pressure Differential Sensor
			Gas Duct Heater		Control Damper		Relative Humidity Duct Sensor		Hydronic Pressure Differential Sensor		Lighting Level				
															Hydronic Flow Sensor
			Reheat Coil		Face/Bypass Damper		Air Quality Duct Sensor		Air Pressure Differential Switch						



PROJECT

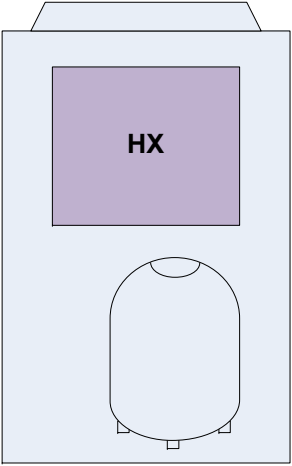
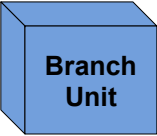
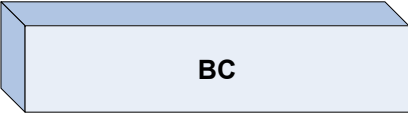
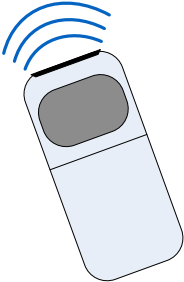
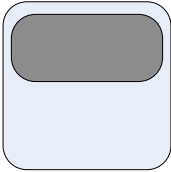
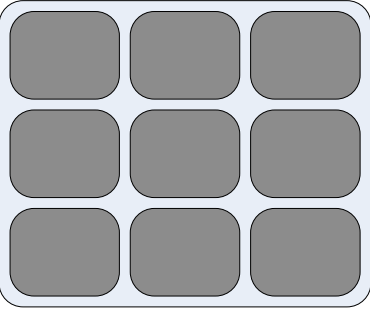
Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
12 of 39

LEGEND-1.0

	Variable Refrigerant Flow (VRF) Outdoor Unit		VRF Separation (Y) Tube
			VRF Refrigerant Branch Unit
	Variable Refrigerant Flow (VRF) Indoor Unit		
	Variable Refrigerant Flow (VRF) Branch Controller		
	Variable Refrigerant Flow (VRF) Wireless Sensor		
	Variable Refrigerant Flow (VRF) Wired Sensor		
	Variable Refrigerant Flow (VRF) Central Remote Controller		



PROJECT

**Building Automation System
Device & Object Naming Standard**

	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinstry

REV. DATE: **7/22/26**

SHEET TITLE & NUMBER:

13 of **39**

LEGEND-2.0

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

14 of 39

AHUVAV

VAV/CV AHU

V F D
RF##Cmd (Off/On)
RF##Sts (Off/On)
RF##Spd (%)
EF##F##dbk (%)
RF##Alm (Normal/Alarm)
RF##Pwr (kW)
RF##Enrg (kWh)
RF##RnTm (hours)
RF##RmpSpd (%)
RF##RmpTm (seconds)

RADew (°F)
RADewSp (°F)
RAEnth (btu-lb)
RAEnthSp (btu-lb)

RARelHum (%)
RARelHumSp (%)

IAQ
RACO2 (ppm)
RACO2Sp (ppm)
HiRACO2Alm (Normal/Alarm)
RATmpSpDif (°F)
RATmp (°F)
RATmpSp (°F)

RAVOC (ppm)
RAVOCSp (ppm)
RAVOCAlm (Normal/Alarm)

SMK
RASmkDet (Off/On)
RASmkAlm (Normal/Alarm)

RAVol (cfm)
RAVolSp (cfm)
RAVolSpDif (cfm)

RAFltAlm (Normal/Alarm)
RAFltRst (Off/On)
RAFltTmSp (hours)
RAPreFltDifPrs (in. w.c.)

V F D
RF##Cmd (Off/On)
RF##Sts (Off/On)
RF##Spd (%)
RF##F##dbk (%)
RF##Alm (Normal/Alarm)
RF##Pwr (kW)
RF##Enrg (kWh)
RF##RnTm (hours)
RF##RmpSpd (%)
RF##RmpTm (seconds)

EAVelPrs (inWC)
EAVel (fps)
EAVelSp (fps)

EATmp (°F)
EADmpCmd (%)
EADmpPos (%)
EADmpSts (Closed/Open)

RFInletPrs (inWC)
RetVelPrs (inWC)
RAVel (fps)

Return Fan

RAVol (cfm)
RAVolSp (cfm)
RAVolSpDif (cfm)

RAVol (cfm)
RAVolSp (cfm)
RAVolSpDif (cfm)

RAFltAlm (Normal/Alarm)
RAFltRst (Off/On)
RAFltTmSp (hours)
RAPreFltDifPrs (in. w.c.)

EconEna (Off/On)
MADmpEconCmd (%)
MADmpDCVMinCmd (%)
MATmpEconSp (°F)
OAEconTmSp (°F)
OAEconTmDb (°F)
EconDmd (%)
EconDmdSp (%)
EconDmdDb (%)

EconDmpCmd (%)
EconDmpPos (%)
EconDmpSts (Closed/Open)

MADmpCmd (%)
MADmpPos (%)
MADmpSts (Closed/Open)
MADmpMinCmd (%)

PHTmp (°F)
PHTmpSp (°F)
PHTmpSpDif (°F)

OATmp (°F)
OARelHum (%)

OAFitAlm (Normal/Alarm)
OAFitRst (Off/On)
OAFitTmSp (hours)

OADmpCmd (%)
OADmpPos (%)
OADmpMinCmd (%)
OADmpMinPos (%)

OAVol (cfm)
OAVolSp (cfm)
OAVolSpDif (cfm)
OAMinVolSp (cfm)
OAVolPrs (inWC)

PHCVlvCmd (%)
PHCVlvPos (%)

OATmp (°F)
OARelHum (%)

IAQ
OACO2 (ppm)
OAVOC (ppm)

OADew (°F)
OAEnth (btu-lb)
OAWBTmp (°F)

BldgStPrs (inWC)
BldgStPrsSp (inWC)
BldgStPrsSpDif (inWC)

Outside Air Fan

V F D
OAFanCmd (Off/On)
OAFanSts (Off/On)
OAFanSpd (%)
OAFanFdbk (%)
OAFanAlm (Normal/Alarm)
OAFanPwr (kW)
OAFanEnrg (kWh)
OAFanRnTm (hours)
OAFanRmpSpd (%)
OAFanRmpTm (seconds)

RADmpCmd (%)
RADmpPos (%)
RADmpSts (Closed/Open)

MATmpSpDif (°F)
MATmp (°F)
MATmpSp (°F)

ClgStg01Cmd (Off/On)
ClgStg01Sts (Off/On)
ClgStg01ModCmd (%)

CCTmpSpDif (°F)
CCTmp (°F)
CCTmpSp (°F)

SFInletPrs (inWC)
SAVelPrs (inWC)
SAVel (fps)

RHTmp (°F)
RHTmpSp (°F)
RHTmpSpDif (°F)

SATmpSpRst (°F)
SATmpSpRstLo (°F)
SATmpSpRstHi (°F)
SATmpSpDif (°F)
SATmp (°F)
SATmpSp (°F)

SASTPrsHL (inWC)
SASTPrsLL (inWC)
HiSASTPrsAlm (inWC)
LoSASTPrsAlm (inWC)

SASTPrsRst (inWC)
SASTPrsRstLo (inWC)
SASTPrsRstHi (inWC)
SASTPrs (inWC)
SASTPrsSp (inWC)
SASTPrsSpDif (inWC)

AvgSASTPrs (inWC)
SASTPrsHi (inWC)
SASTPrsLo (inWC)

DASTPrsRst (inWC)
DASTPrsRstLo (inWC)
DASTPrsRstHi (inWC)
DASTPrs (inWC)
DASTPrsSp (inWC)
EmerDASTPrsSp (inWC)
DASTPrsSpDif (inWC)

DASmkDet (Off/On)
DASmkAlm (Normal/Alarm)

IAQ
SACO2 (ppm)
SACO2Sp (ppm)
SACO2Alm (Normal/Alarm)

SARelHum (%)
SARelHumSp (%)
SADew (°F)
SADewSp (°F)
SAEnth (btu-lb)
SAEnthSp (btu-lb)

HumEna (Off/On)
HumCmd (Off/On)
HumSts (Off/On)
HumVlvCmd (%)
HumVlvPos (%)
HumVlvSts (Off/On)
DehumCmd (Off/On)
DehumSp (%)
DehumSpDb (%)
DehumCCTmpSp (°F)

SAVol (cfm)
SAVolSp (cfm)
SAVolSpDif (cfm)

CCVlvCmd (%)
CCVlvPos (%)

V F D
DASTPrsSw (Off/On)
HiStPrsAlm (Normal/Alarm)
SF##Cmd (Off/On)
SF##Sts (Off/On)
SF##Spd (%)
SF##F##dbk (%)
SF##Alm (Normal/Alarm)
SF##Pwr (kW)
SF##Enrg (kWh)
SF##RnTm (hours)
SF##RmpSpd (%)
SF##RmpTm (seconds)

FailCmpAlm (Normal/Alarm)
CmpSts (Off/On)
CmpCmd (Off/On)
RevVlvCmd (Off/On)
RevVlvSts (Off/On)
AirCondModeCmd (Off/Cool/Heat/Vent)
AirCondModeSts (Off/Cool/Heat/Vent)

ClgMode (Off/On)
HtgMode (Off/On)
VentMode (Off/On)

ClgModeSts (Off/On)
HtgModeSts (Off/On)
VentModeSts (Off/On)

FitAlm (Normal/Alarm)
FitRst (Off/On)
FitTmSp (hours)
PreFitAlm (Normal/Alarm)
PreFitRst (Off/On)
PreFitTmSp (hours)

FailCmp01Alm (Normal/Alarm)
Cmp01Sts (Off/On)
Cmp01Cmd (Off/On)
FailCmp02Alm (Normal/Alarm)
Cmp02Sts (Off/On)
Cmp02Cmd (Off/On)

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinstry

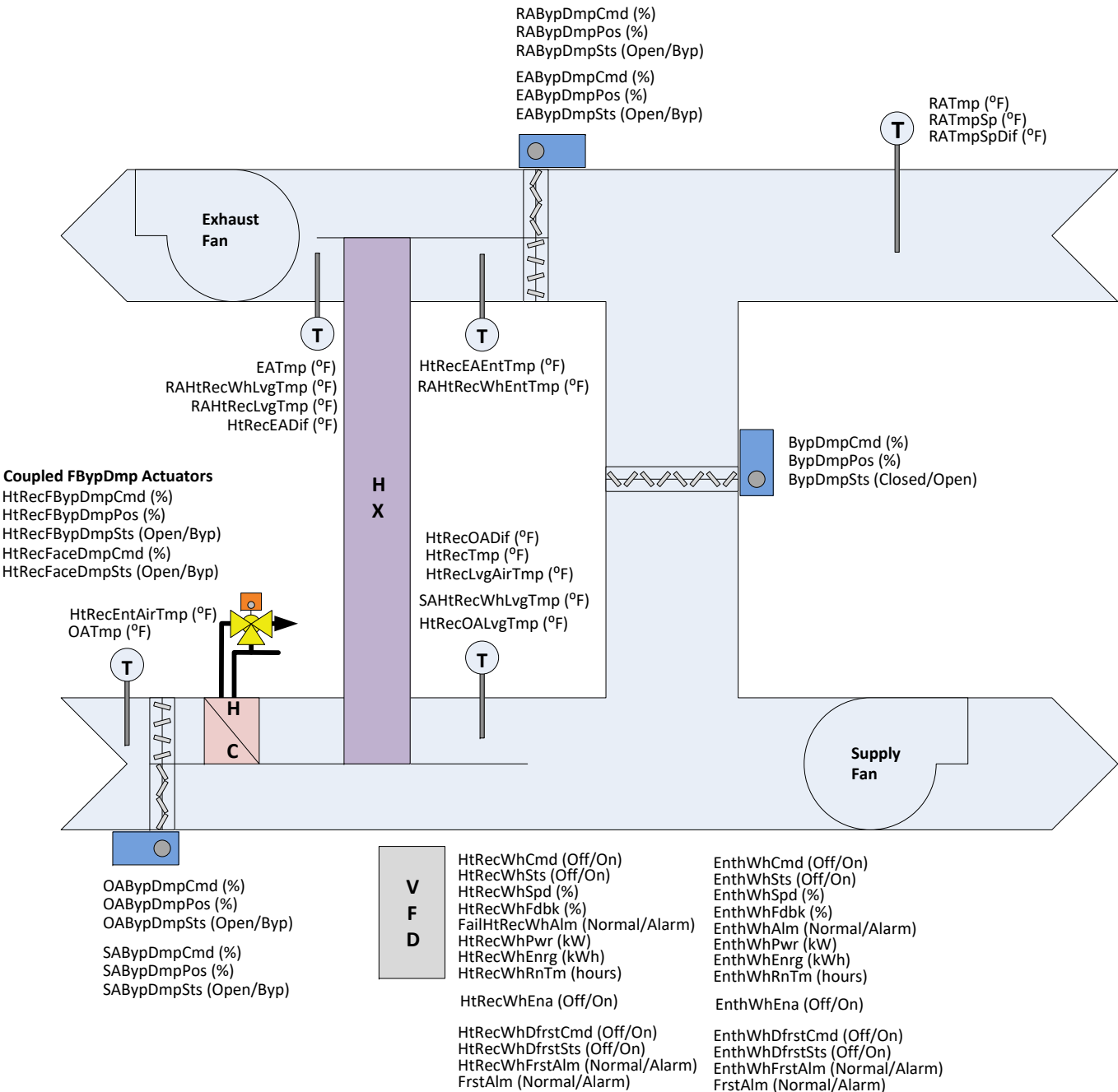
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

15 of 39

AHUHX

Air-to-Air Heat Recovery

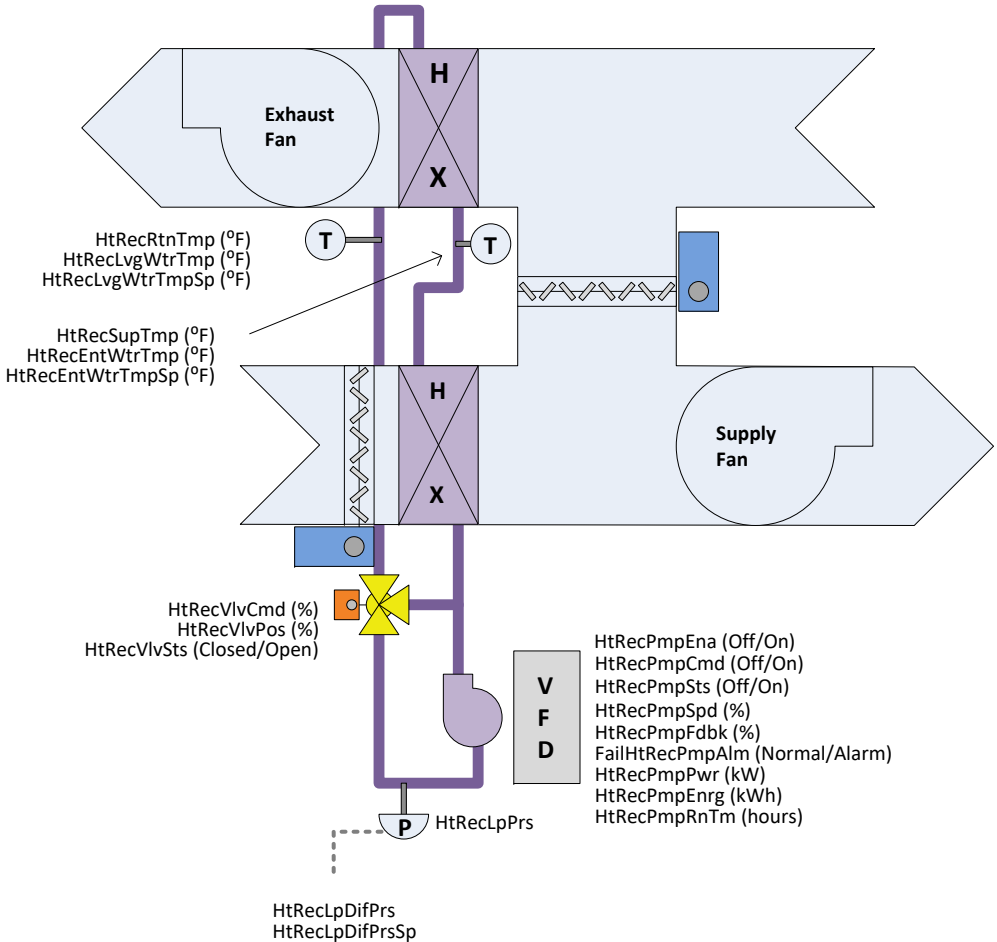


Heat Recovery Control Points

- HtRecEna (Off/On)
HtRecMode (Recover/Reject)
HtRcvMode (Off/On)
HtRejMode (Off/On)
HtRecDif (°F)
HtRecDifSp (°F)
HtRecovered (btu)
HtRejected (btu)
HtRecEff (%)
HtRecEffBase (%)
HtRecModeSp (°F)
HtRejModeSp (°F)

HtRcvModeDb (°F)
HtRejModeDb (°F)
HtRecOATmpSp (°F)
HtRecOATmpDb (°F)
HtRecDifSp (°F)
HtRecDifDb (°F)
HtRecAva (Off/On)
HtRecBypDmpCmd (%)
HtRecBypDmpSts (Open/Byp)
HtRecCmd (Off/On)
HtRecEna (Off/On)
HtRecLLSp (°F)
HtRecLpTmp (°F)

Hydronic Heat Recovery



See other AHU pages for
additional points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

AHU Control Parameters

Equipment Enable
SysEna (Off/On)
Ena (Off/On)

Equipment Schedule
SchedCmd (Off/On)
SchedSts (Off/On)
SchedEna (Off/On)

Occupied Mode
OccCmd (Occ/Uoc)
OccSts (Occ/Uoc)
EffOcc (Occ/Uoc)

Override Mode
OvrCmd (Off/Ovrd)
OvrSts (Off/Ovrd)
ManOvrCmd (Off/Ovrd)
ManOvrSts (Off/Ovrd)
OvrTmSp (hours)
OvrTmr (sec, min, hours)
OvrCnt (count)

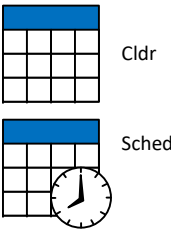
Overtime Hours
OTOccCmd (Occ/Uoc)
OTOccSts (Occ/Uoc)
OTOccTm (hours)

Misc
StrtDly (sec)
AuxCont (Off/On)
RemoteSp (use applicable units)

Equipment Runtime
Ideally equipment runtime objects should use hours for the engineering units and should not refer to the units in the name. However, where multiple objects are used to express runtime for a single piece of equipment with different time units, the following names should be used (SFRnTm is used as an example):

SFRnTm (hours)
SFRnTmSec (seconds)
SFRnTmHr (hours)
SFRnTmDay (days)

Equipment Schedule
SchedCmd (Off/On)
SchedSts (Off/On)
SchedEna (Off/On)



Cooling/Heating/Ventilating
ClgEna (Off/On)
ClgEnaSp (°F)
ClgDmd (Off/On)
HtgEna (Off/On)
HtgEnaSp (°F)
HtgDmd (Off/On)
VentEna (Off/On)

PrsDmd (Off/On)
Lockout Points
ClgLckCmd (Off/On)
ClgLckSts (Off/On)
OAClgLckTmpSp (°F)
ClgLckTmpDb (°F)
HtgLckCmd (Off/On)
HtgLckSts (Off/On)
OAHtgLckTmpSp (°F)
HtgLckTmpDb (°F)
StmLck (Off/On)
PHLck (Off/On)

Warm-Up/Cool-Down Modes
ClDnMode (Off/On)
ClDnCmd (Off/On)
ClDnSts (Off/On)
ClDnSATmpSp (°F)
ClDnZnTmpSp (°F)
WmUpMode (Off/On)
WmUpCmd (Off/On)
WmUpSts (Off/On)
WmUpSATmpSp (°F)
WmUpZnTmpSp (°F)

Uocupied Modes
UocLLEna (Off/On)
UocLLCmd (Off/LL)
UocLLSts (Off/LL)
UocHLEna (Off/On)
UocHLCmd (Off/HL)
UocHLSts (Off/HL)

Alarm/Safety Objects
UnitAlm (Normal/Alarm)
SerAlm (Normal/Alarm)
SmkAlm (Normal/Alarm)
FireAlm (Normal/Alarm)
FireAlmShutdown (Off/On)
ShutdownRelay (Off/On)

FltAlm (Normal/Alarm)
FltRst (Off/On)
FltTmSp (hours)
FltTm (hours)
PreFltAlm (Normal/Alarm)
PreFltRst (Off/On)
PreFltTmSp (hours)
PreFltTm (hours)
LoTmpAlm (Normal/Alarm)

Loop Control Objects
Loop control variables, where they are being assigned using system objects, should use the following names:
[process]LpPv (use process variable units)
[process]LpCv (use control variable units)
[process]LpSp (use process variable units)
[process]LpPGain (pgain)
[process]LpIGain (igain)
[process]LpDGain (dgain)
[process]LpErr (use process variable units)
[process]LpTm (sec)
[process]LpBias (use control variable units)
[process]LpDb (use process variable units)
[process]LpCvHL (use control variable units)
[process]LpCvLL (use control variable units)
Example using a simple Supply Air Temperature control loop controlling a Cooling Coil Valve:
SATmpLpPv (°F) ...or SATmp (°F)
SATmpLpCv (%) ...or CCVlvCmd (%)
SATmpLpSp (°F) ...or SATmpSp (°F)
SATmpLpPGain (pgain)
SATmpLpIGain (igain)
SATmpLpDGain (dgain)
SATmpLpErr (°F)
SATmpLpTm (sec) ...or 1
SATmpLpBias (%) ...or 50
SATmpLpDb (°F)
SATmpLpCvHL (%) ...or 100
SATmpLpCvLL (%) ...or 0
Example using a Temperature control loop controlling a Cooling Coil Valve and a Heating Coil Valve, with multiple temperature inputs and set-points depending on mode:
TmpLpPv (°F) ...SATmp during Occ, RATmp during Uoc
TmpLpCv (null) ...Cv controls CCVlvCmd & HCVlvCmd
TmpLpSp (°F) ...SATmpSp during Occ, RATmpSp during Uoc
TmpLpPGain (pgain)
TmplpIGain (igain)
TmpLpDGain (dgain)
TmpLpErr (°F)
TmpLpTm (sec) ...or 1
TmpLpBias (null) ... or 0
TmpLpDb (°F)
TmpLpCvHL (null) ...100, 0 through 100 is for the cooling coil valve
TmpLpCvLL (null) ...-100, 0 through -100 is for the heating coil valve

Optimal Start Stop (OSS)
OSS Objects (SSTO/SSTOCO)
OptStZn (null)
OptStMode (null)
OptStErlyStrtTm (min)
OptStErlyStopTm (min)
OptStZnTmp (°F)
OptStOATmp (°F)
OptStClgSp (°F)
OptStHtgSp (°F)
OSS Objects (Zone Optimization)
OptStClgSp (°F)
OptStHtgSp (°F)
OptStMode (null)
OptStStopTm (min)
OptStStrtTm (min)
OptStZnTmp (°F)

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
16 of 39

AHUCTRLS

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
17 of 39

AHUMZ

General Zone Management

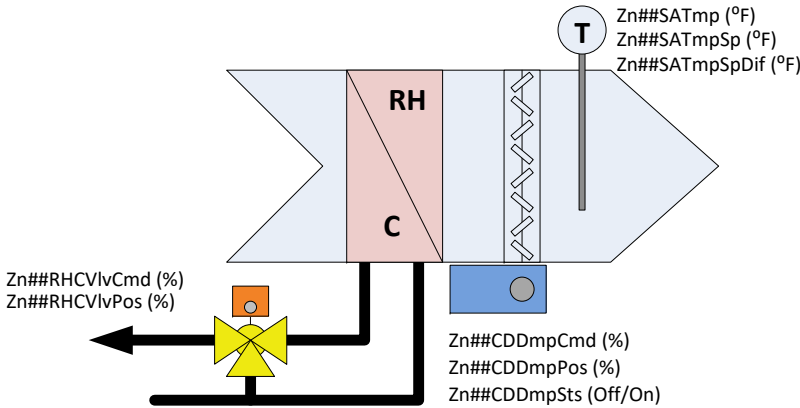
ZnDmpMax (%)
ZnDmpMin (%)
ZnDmpAvg (%)

ZnHDDmpMax (%)
ZnHDDmpMin (%)
ZnHDDmpAvg (%)

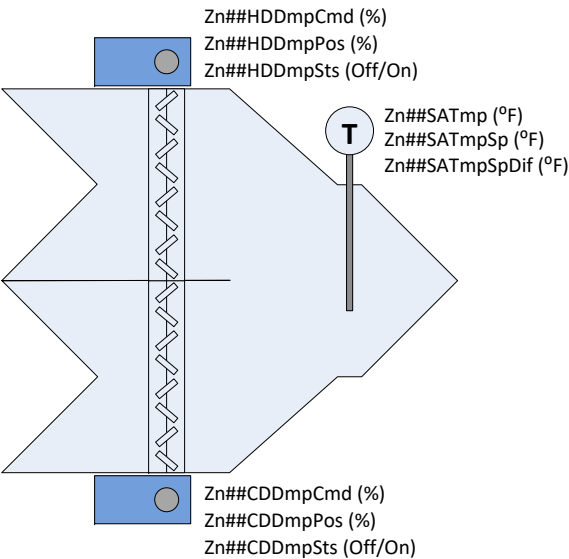
ZnCDDmpMax (%)
ZnCDDmpMin (%)
ZnCDDmpAvg (%)

MaxZnRHCvIvCmd (%)
MinZnRHCvIvCmd (%)
AvgZnRHCvIvCmd (%)

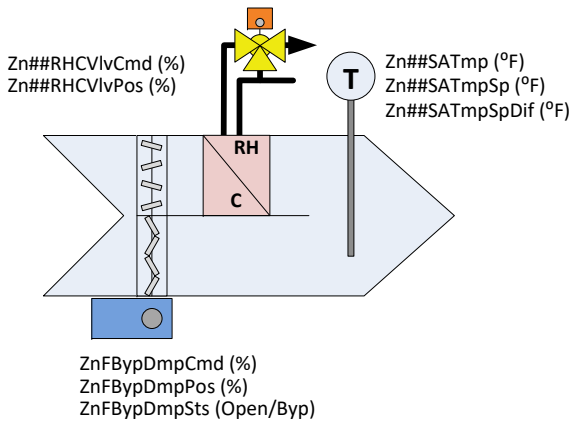
Single-duct Zone Damper



Dual-duct Zone Dampers



Face/Bypass Zone Damper



See other AHU pages for
additional points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

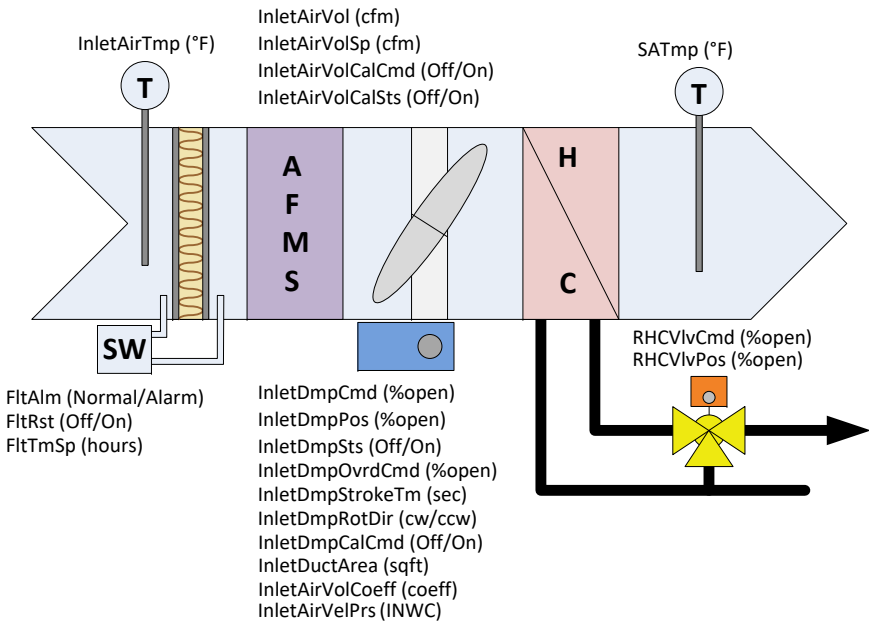
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

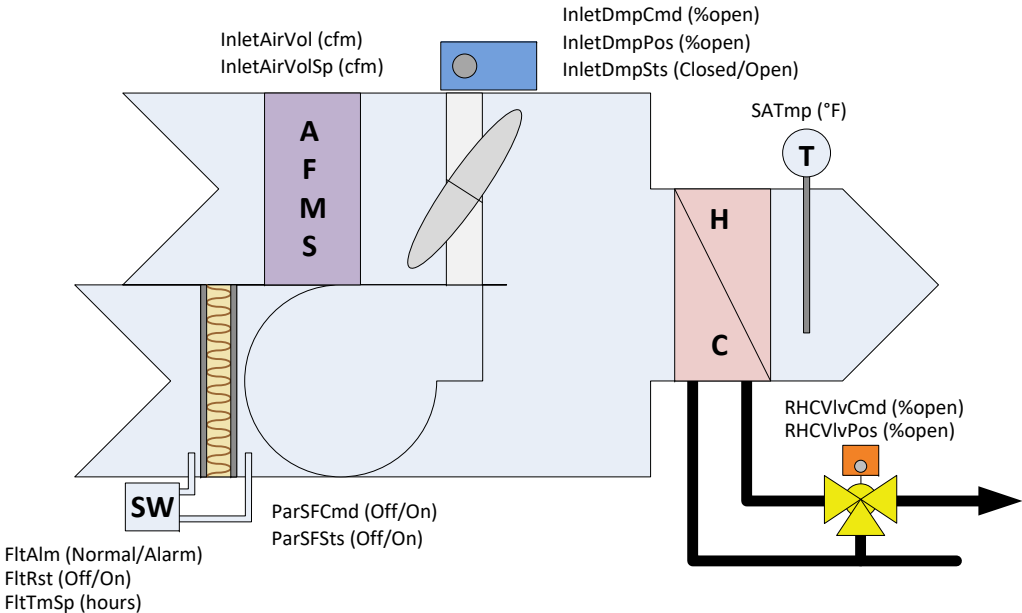
18 of 39

VAV CV VVT FTU

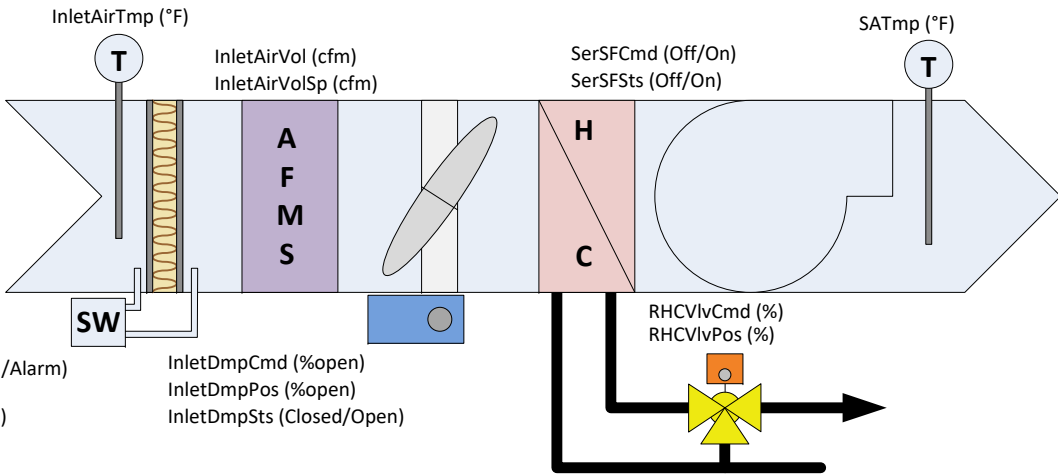
CV/VAV/VVT w/ HW Reheat



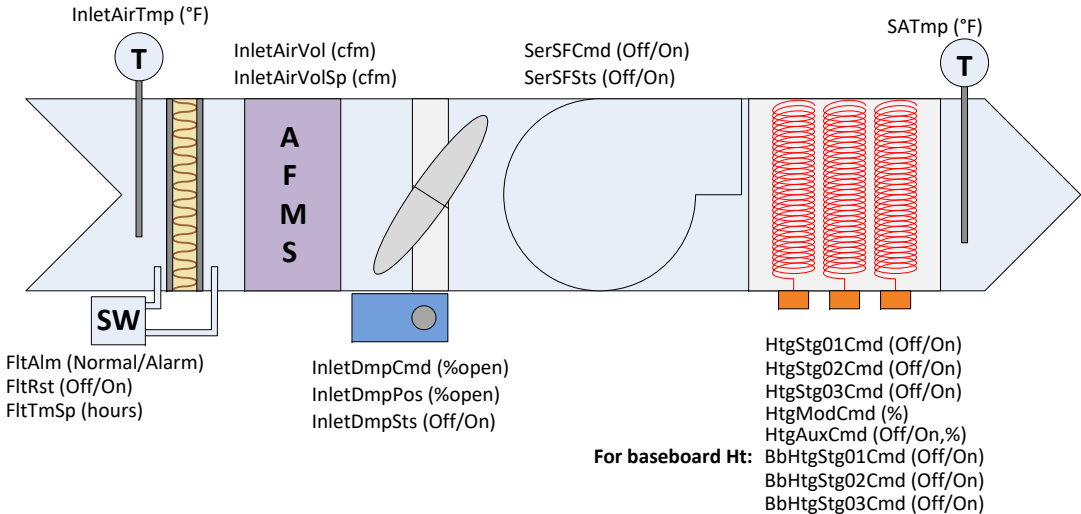
VAV w/ Parallel Fan & HW Reheat



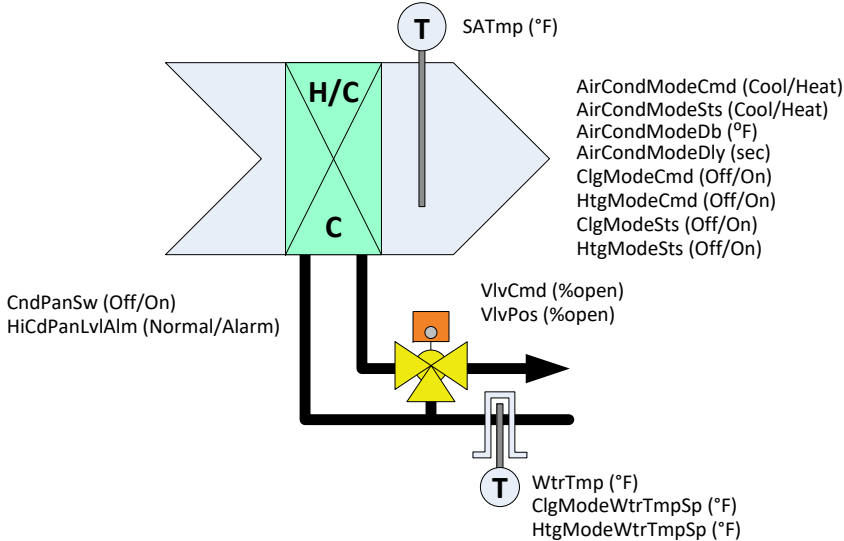
VAV w/ Series Fan & HW Reheat



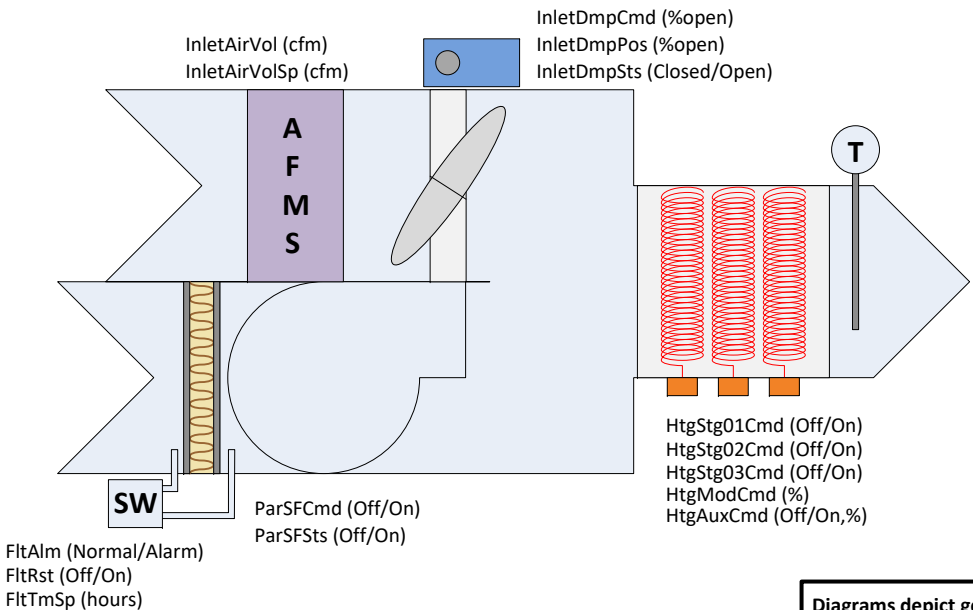
VAV w/ Series Fan & Electric Reheat



2-Pipe Coil



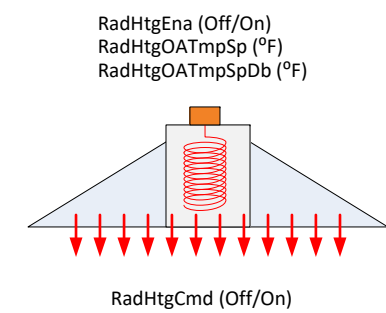
VAV w/ Parallel Fan & Electric Reheat



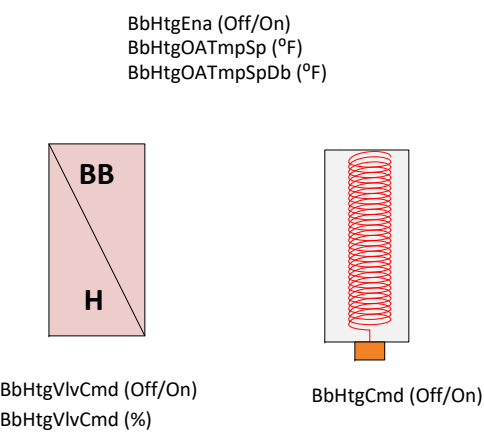
See other terminal unit pages for
additional points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

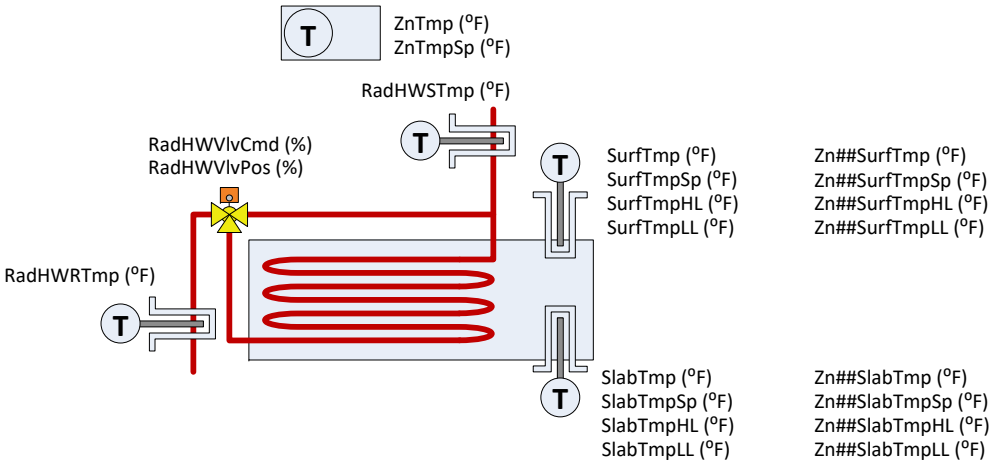
Radiant Heat Points



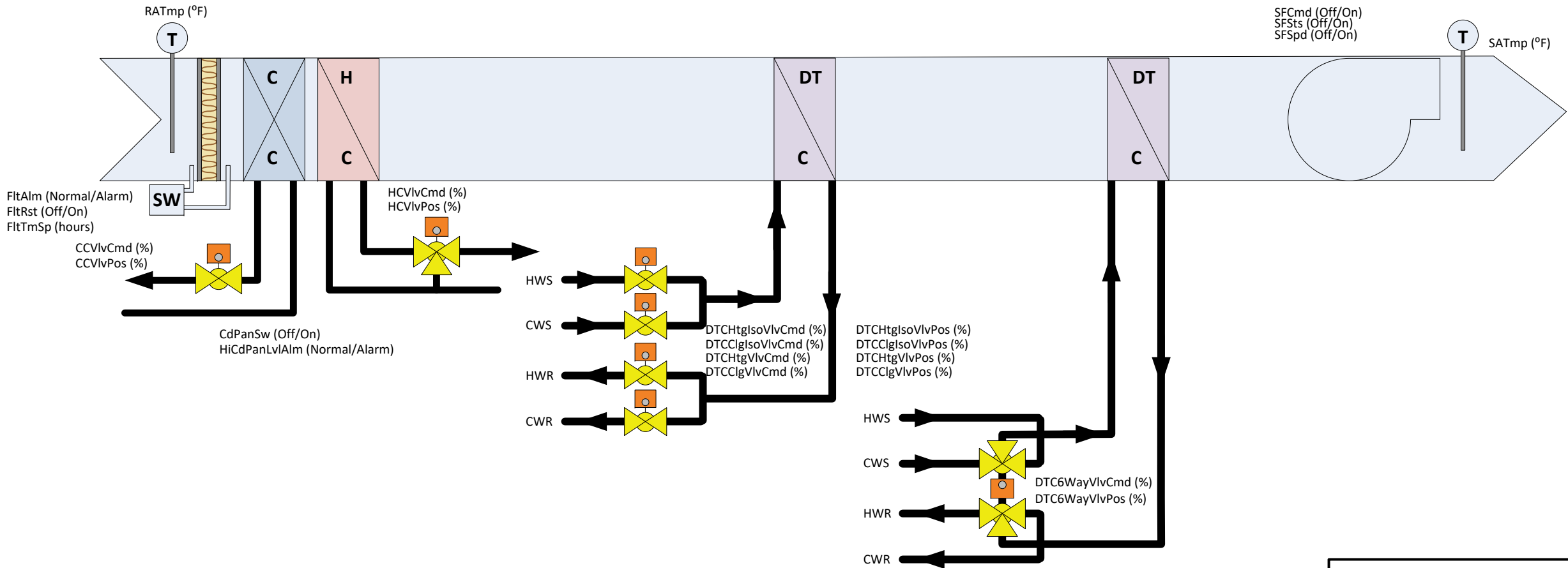
Baseboard Heat Points



Radiant Floor Heat



Fan Coil Unit



See other AHU and Terminal Units
pages for additional points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
19 of 39

FCU

PROJECT

Building Automation System
Device & Object Naming Standard

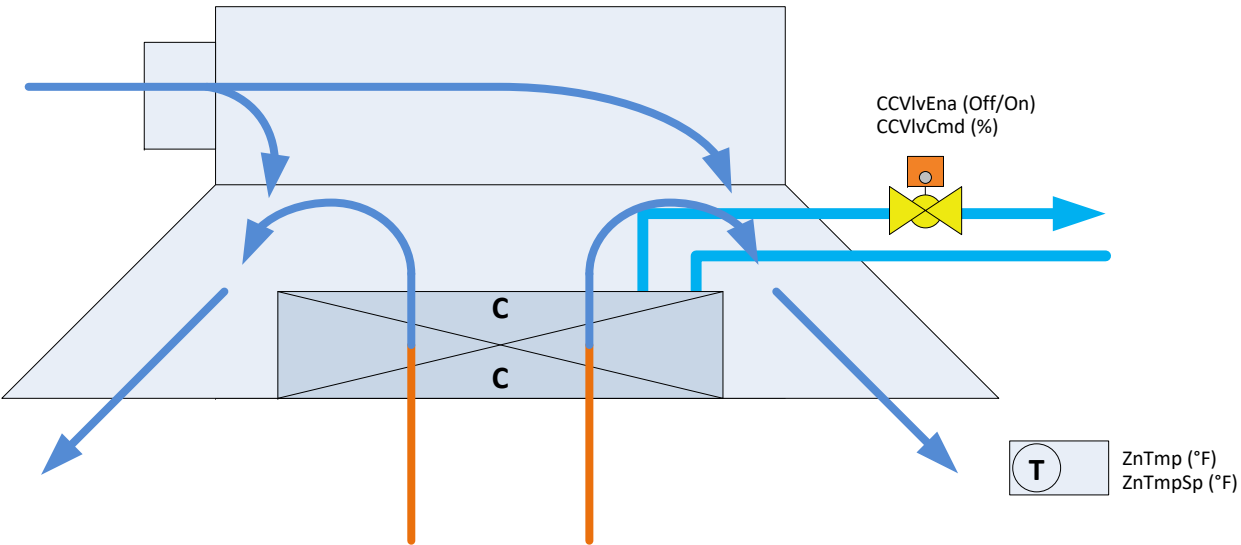
#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

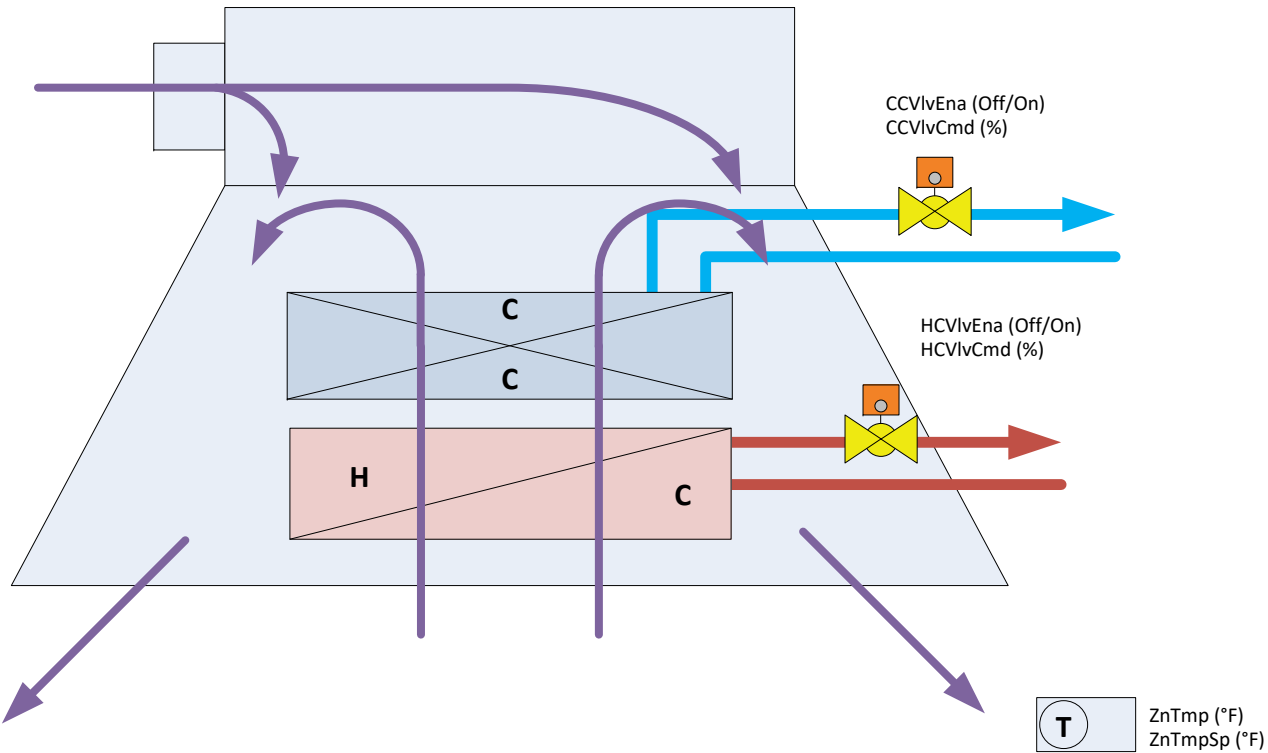
SHEET TITLE & NUMBER:
20 of 39

BEAM

Chilled Beam Control Points



Active Chilled Beam w/Heating and
Cooling Control Points



Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinstry
REV. DATE: **7/22/26**

SHEET TITLE & NUMBER:
21 of **39**

ZONECTRLS

Zone and Terminal Device Control Points

OccCmd (Occ/Uoc) UocOvrCmd (Off/Ovr) OvrTmSp (hours) OccZnTmpSp (°F) UocZnTmpSp (°F)	T	ZnTmp (°F) – If controlling device ZnTmpSp (°F) ZnTmpSpHL (°F) ZnTmpSpLL (°F)	AirCondModeSts (Cool/Heat) ClgModeSts (Off/On) HtgModeSts (Off/On) VentModeSts (Off/On) StbyModeSts (Off/On)
EffZnTmp (°F) EffZnTmpSp (°F) OccClgSp (°F) OccHtgSp (°F) UocClgSp (°F) UocHtgSp (°F) StbyClgSp (°F) StbyHtgSp (°F) EffHtgSp (°F) EffClgSp (°F)	RH	ZnRelHum (%) ZnRelHumSp (%) ZnEnth (btu-lb) ZnEnthSp (btu-lb) ZnDew (°F) ZnDewSp (°F)	AirFlwPct (%) AirFlwPctSp (%)
UsrSpAdjEna (Off/On) UsrSpAdjRng (°F) UsrSpAdjHL (°F) UsrSpAdjLL (°F) UsrSpAdj (°F) EffUsrSp (°F) OccSnsrSts (Off/On)	IAQ	ZnCO2 (ppm) ZnCO2Sp (ppm) ZnCO2Alm (Normal/Alarm) ZnIAQAlm (Normal/Alarm) ZnVOC (ppm) ZnVOCSp (ppm) ZnVOCAIm (Normal/Alarm)	OccAirVolSp (cfm) InletDuctArea (sqft) InletAirVolCoeff (coeff)
OvrEna (Off/On) OvrCmd (Off/Ovr) OvrTmRem (min)			OperMode
PrsDmd (Off/On) ClgDmd (Off/On)			

See other pages for additional
terminal unit points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

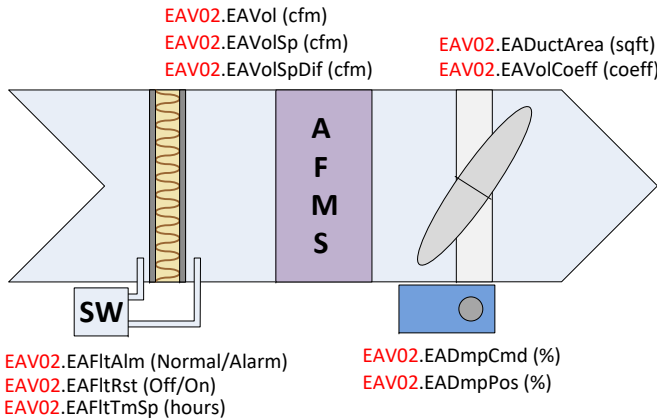
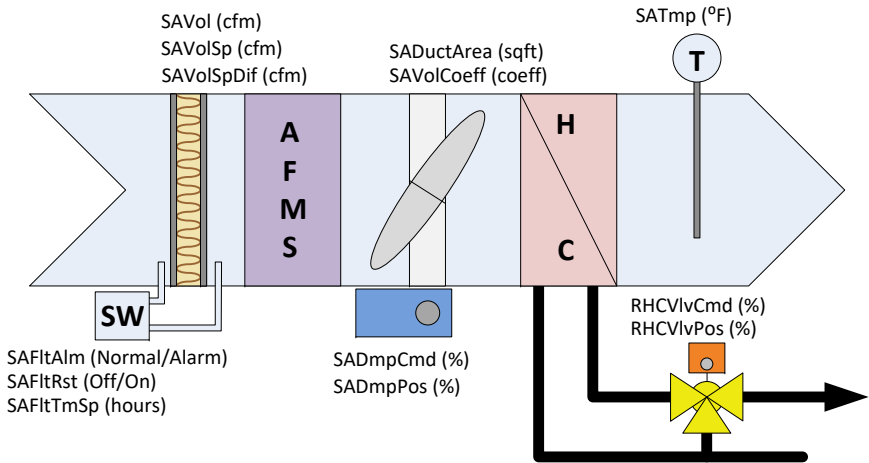
STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

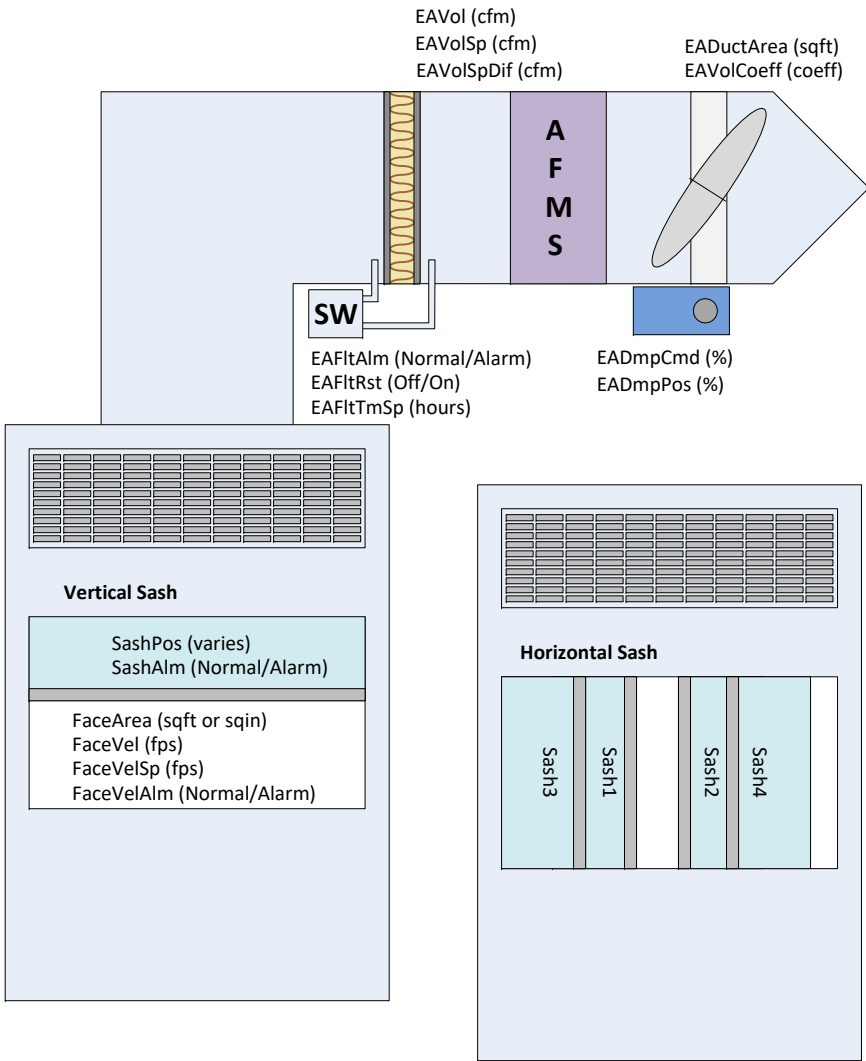
22 of 39

LAB

Lab Room Terminal Unit Points



Fume Hood Points



Lab Room Control System Points

- OccSnsr (Occ/Uoc)

OccCmd (Occ/Uoc)

OccSts (Occ/Uoc)

OccOvrd (Uoc/Ovrd)

FlushCmd (Off/On)

FlushSts (Off/On)

FlushBtn (Off/On)

DifVolAlm (Normal/Alarm)

SAVolAlm (Normal/Alarm)

EAVolAlm (Normal/Alarm)

Buzz (Off/On)

BuzzOvrd (Off/Silence)

DoorSw (Closed/Open)

DoorAlm (Normal/Alarm)
- IsoModeCmd (neut/pro/inf)

IsoModeSts (neut/pro/inf)

PrsModeCmd (neut/pos/neg)

PrsModeSts (neut/pos/neg)

PrsAlm (Normal/Alarm)

PrsWarn (Off/On)

ZnTmp (°F)

EffZnTmpSp (°F)

OccZnTmpSp (°F)

UocZnTmpSp (°F)

OccClgSp (°F)

OccHtgSp (°F)

UocClgSp (°F)

UocHtgSp (°F)
- SAVolTot (cfm)

SAVolTotSp (cfm)

EAVolTot (cfm)

EAVolTotSp (cfm)

DifVolTot (cfm)

DifVolTotSp (cfm)

SAVolSpMax (cfm)

SAVolSpMin (cfm)

EAVolSpMax (cfm)

EAVolSpMin (cfm)

TmpCtrlVol (cfm)

TrkModeCmd (none/ETS/STE)

TrkModeSts (none/ETS/STE)

AirChgRat (cph)

AirChgRatSp (cph)

ZnVol (cf)

UocHtgSp (°F)

BypArea (sqft or sqin)

- OccCmd (Occ/Uoc)

OccSts (Occ/Uoc)

OccSnsr (Occ/Uoc)

Buzz (Off/On)

BuzzOvrd (Off/Silence)

FlushCmd (Off/On)

FlushSts (Off/On)

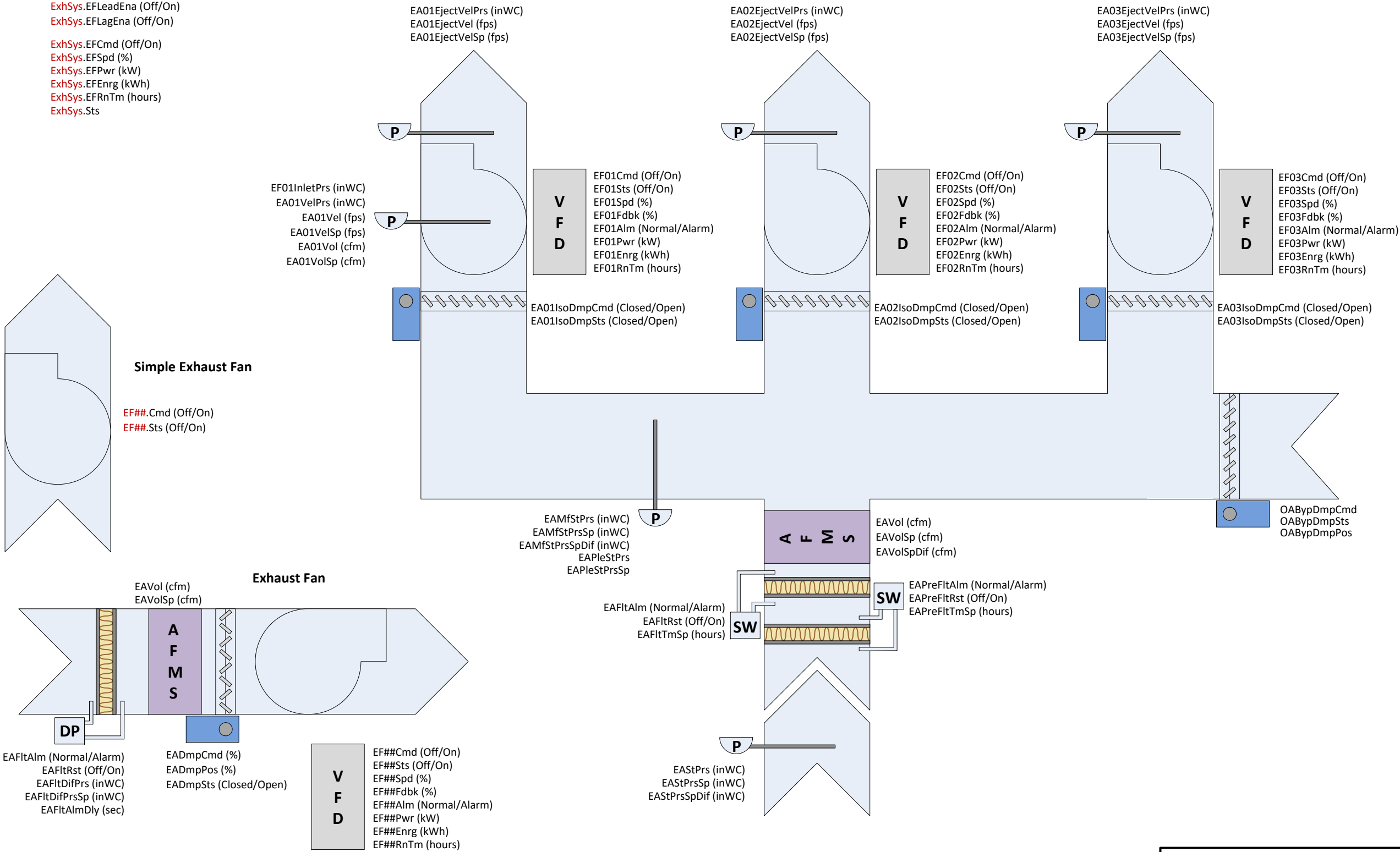
FlushButton (Off/On)

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

Exhaust System
Control Points

- ExhSys.ExhEna (Off/On)
- ExhSys.EFRotCmd (Off/On)
- ExhSys.EFSeq (Seq)
- ExhSys.EFLeadEna (Off/On)
- ExhSys.EFLagEna (Off/On)
- ExhSys.EFCmd (Off/On)
- ExhSys.EFSpd (%)
- ExhSys.EFPwr (kW)
- ExhSys.EFEnrg (kWh)
- ExhSys.EFRnTm (hours)
- ExhSys.Sts

Exhaust Manifold System



Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

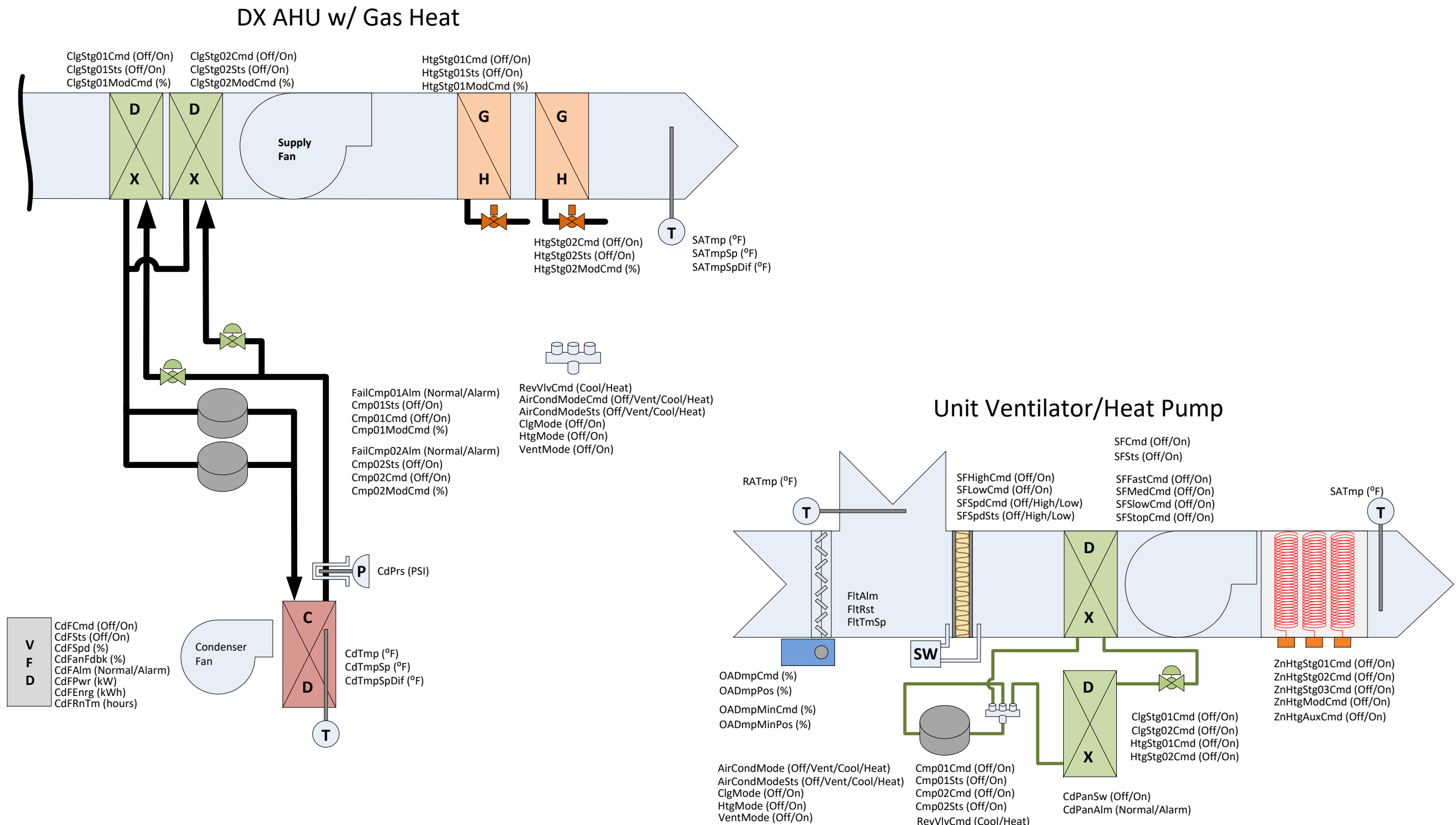
DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

23 of 39

EXH



PROJECT

Building Automation System
Device & Object Naming Standard

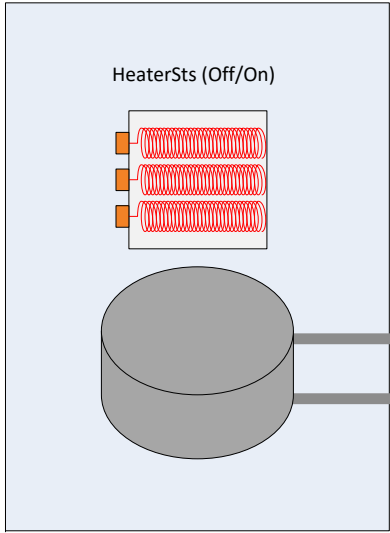
#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

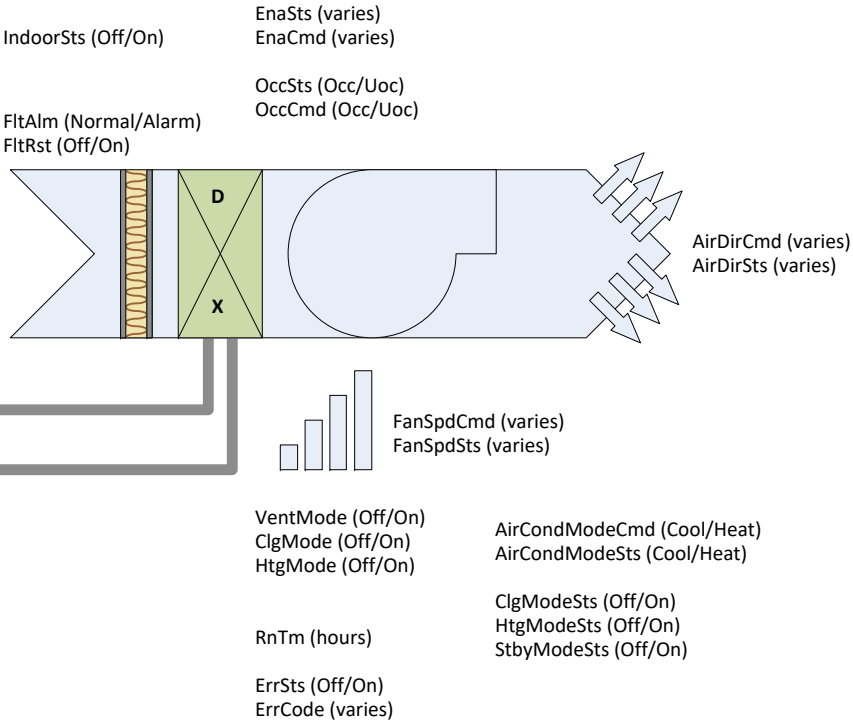
SHEET TITLE & NUMBER:
25 of 39

VRV

VRV Outdoor Unit



VRV Indoor Unit



T ZnTmp (°F)
ZnTmpSp (°F)
ZnTmpDualSp (Off/On)
OccClgSp (°F)
OccHtgSp (°F)
OperModeSts (varies)
OperModeCmd (varies)

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

CRAC Control Points

General Objects

UnitStrtCmd (Off/On)
SysSts (varies)
SysOperMode (varies)
Stby (Off/On)
SATmp (°F)
ZnTmp (°F)
SARelHum (%)
ZnRelHum (%)
SADew (°F)
ZnDew (°F)
CHWSTmp (°F)
CHWRTmp (°F)
CDWSTmp (°F)
CDWRTmp (°F)
FanSts (Off/On)
CHWVlvPos (%)
CDWVlvPos (%)
CmpSts (Off/On)
PmpSts (Off/On)
ZnEnth (btu-lb)

Faults

GeneralFault (Off/On)
FanFault (Off/On)
CmpFault (Off/On)
WtrLeakFault (Off/On)

Warnings

SerReq (Off/On)
FltAlm (Normal/Alarm)

Description

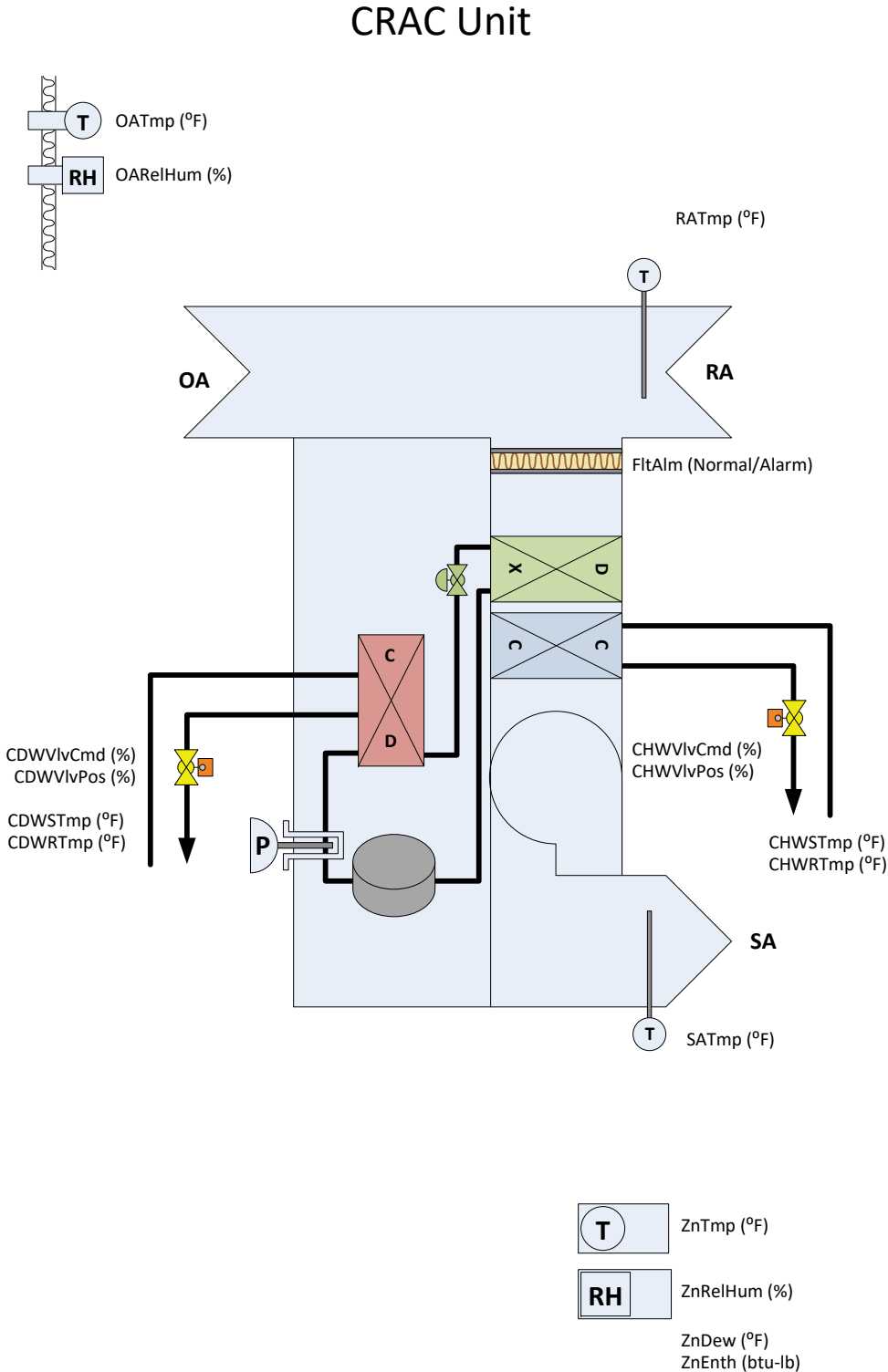
Unit On/Off Command
System Status
System Operating State
Unit Standby
Supply Air Temperature
Zone Air Temperature
Supply Air Relative Humidity
Zone Relative Humidity
Supply Air Dew Point Temperature
Zone Air Dew Point Temperature
Chilled Water Supply Temperature
Chilled Water Return Temperature
Condenser Water Supply Temperature
Condenser Water Return Temperature
Fan Status
Chilled Water Valve Position
Condenser Water Valve Position
Compressor Status
Pump Status
Zone Enthalpy

Description

General Fault
Fan Failure
Compressor Failure
Water Leakage Detector Sensor Issue

Description

Service Required
Filter Alarm



Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

26 of 39

CRAC

Chiller Objects

####.BLDG.CHL01.ChrEna (Off/On)
####.BLDG.CHL01.ChrCmd (Off/On)
####.BLDG.CHL01.ChrSts (Off/On)
CHL01A.ChrSts (Off/On)
CHL01B.ChrSts (Off/On)
####.BLDG.CHL01A.ChrAlm (Normal/Alarm)
CHL01B.ChrAlm (Normal/Alarm)

"CHL01A" refers to the "A" compressor or circuit. "CHL01B" refers to the "B" compressor or circuit. Use this example for other objects as required.

Water Temps & Pressures & Flows

CdDifPrs (psi)
EvDifPrs (psi)
EvLvgTmp (°F) or CHWSTmp (°F) or GlySTmp (°F)
EvEntTmp (°F) or CHWRTmp (°F) or GlyRTmp (°F)
CDWLvgTmp (°F) or CDWRTmp (°F)
CDWEntTmp (°F) or CDWSTmp (°F)
ChlrEvAproh (°F)
ChlrCdAproh (°F)
CdFlwSw (Off/On)
EvFlowSw (Off/On)
CdFlwRat (gpm)
EvFlowRat (gpm)

Refrigerant Temps & Pressures

EvRfgTmp (°F)
CdRfgTmp (°F)
CdSatRfgTmp (°F)
EvRfgPrs (psi)
CdRfgPrs (psi)
RfgLvl (ppm)
RfgWarn (Normal/Warn)
RfgAlm (Normal/Alarm)

Objects shown for single- or dual-compressor centrifugal chiller.
"BLDG" is an example building number.
"####" is an example of facility number.

Chiller Control

Points Directly Coming From Chiller

ChlrRunMode (varies)
ChlrOperMode (varies)
ChlrOvrMode (Off/On)

CHW Temperature Set Point Control

ChlrLocRem (Local/Remote)
ChlrSpCtrlEna (Off/On)
ChlrSpCtrl (Local/Remote)
LocEvLvgTmpSp (°F) or LocCHWSTmpSp (°F)
RemEvLvgTmpSp (°F) or RemCHWSTmpSp (°F)
EvLvgTmpSp (°F) or CHWSTmpSp (°F)
EffEvLvgTmpSp (°F) or EffCHWSTmpSp (°F)

Demand/Capacity Control

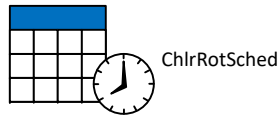
ChlrLmtSpActive (Off/On)
ChlrLmtSpPct (%)
ChlrLmtSpPwr (kW)

Head Pressure Control

ChlrHeadPrs (psi)
ChlrHeadPrsLmt (psi)
ChlrHeadPrsAlm (Normal/Alarm)
CDWCtrlVlv (%open)
CHWCtrlVlvCmd (%open)

Staging Control

ChlrLeadEna (Off/On)
ChlrLagEna (Off/On)
ChlrSeq (seq)



Pump & Isolation Valve Control

CDWIsoVlv (Open/Closed)
CHWIsoVlvCmd (Open/Closed)
CdEntIsoVlv (Open/Closed)
CdLvgIsoVlv (Open/Closed)
EvEntIsoVlv (Open/Closed)
EvLvgIsoVlv (Open/Closed)

Mechanical Details & Diagnostics

OilTmp (°F)
OilPrs (psi)
OilPrsH (psi)
OilPrsL (psi)
PurgeSts (Off/On)
PurgeTm (sec)
CmpStrts (starts)
CmpRnTm (hours)
CmpAvgRnTm (min)
ChlrStrts (starts)
ChlrRnTm (hours)
ChlrAvgRnTm (min)
InletGuideVanePos (%open)
MinRnTmSp (sec, min)
MinRnTmRem (sec, min)
ChlrHotGasByp (Off/On)
ManRstReq (Off/On)
AutoRst (Off/On)
DiagWarn (varies)
FailCmpAlm (Normal/Alarm)
ChlrAlm (Normal/Alarm)

Chiller Plant Controller Points

CHWSysEna (Off/On)
CHWSysLoad (tons,kbtu,Mbtu)
CHWSysCap (tons,kbtu,Mbtu)
CHWSysActCap (%)
ClgDmd (Off/On)
ClgLckCmd (Off/On)
ClgLckSts (Off/On)
OATmpLckSp (°F)
CHWSTmpSpRstOALo (°F)
CHWSTmpSpRstOAHi (°F)
CHWSTmpSpRstOA (Off/On)
ChlrSeq (seq)
ChlrRotCmd (Off/On)
ChlrLeadCmd (Off/On)
ChlrLagCmd (Off/On)
ChlrStgCmd (stage)
ChlrStg (stage)
ChlrStgDmd (stage)
ChlrRdyTot (chillers)
ChlrStsTot (chillers)

EconClgEna (Off/On)
EconClgLck (Off/On)
EconClgCmd (Off/On)
EconClgOATmpSp (°F)
EconClgOATmpSpDbH (°F)
EconClgOATmpSpDbL (°F)
EconClgOARelHumSp (%)
EconClgOARelHumSpDbH (%)
EconClgOARelHumSpDbL (%)
EconClgOAWBTmpSp (°F)
EconClgOAWBTmpSpDbH (°F)
EconClgOAWBTmpSpDbL (°F)
EconClgCap (tons,kbtu,Mbtu)
EconClgCDWSTmpSp (°F)
MechClgEna (Off/On)
MechClgLck (Off/On)
MechClgCmd (Off/On)
MechClgOATmpSp (°F)
MechClgOATmpSpDbH (°F)
MechClgOATmpSpDbL (°F)
MechClgOARelHumSp (%)
MechClgOARelHumSpDbH (%)
MechClgOARelHumSpDbL (%)
MechClgOAWBTmpSp (°F)
MechClgOAWBTmpSpDbH (°F)
MechClgOAWBTmpSpDbL (°F)
MechClgCap (tons,kbtu,Mbtu)
MechClgCDWSTmpSp (°F)

Refrigerant Monitoring

RfgAlm (Normal/Alarm)
RfgLvl (ppm)
RfgLvlHL (ppm)
RfgWarn (Norm/Warn)
RfgLvlWarnSp (ppm)
RfgLvlAlmSp (ppm)



Air-Cooled Chiller

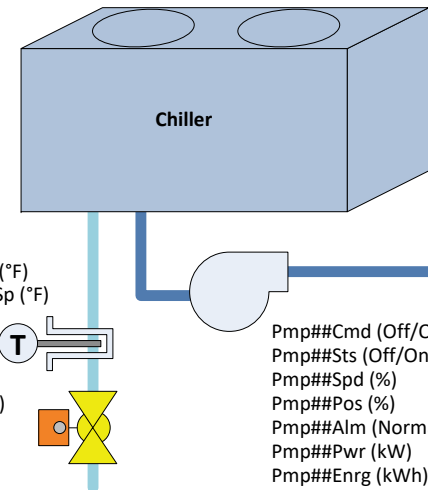
ChlrStg01Ena (Off/On)
ChlrStg01Cmd (Off/On)
ChlrStg01Sts (Off/On)
ChlrStg02Ena (Off/On)
ChlrStg02Cmd (Off/On)
ChlrStg02Sts (Off/On)

Cmp01Ena (Off/On)
Cmp01Cmd (Off/On)
Cmp01Sts (Off/On)
Cmp02Ena (Off/On)
Cmp02Cmd (Off/On)
Cmp02Sts (Off/On)

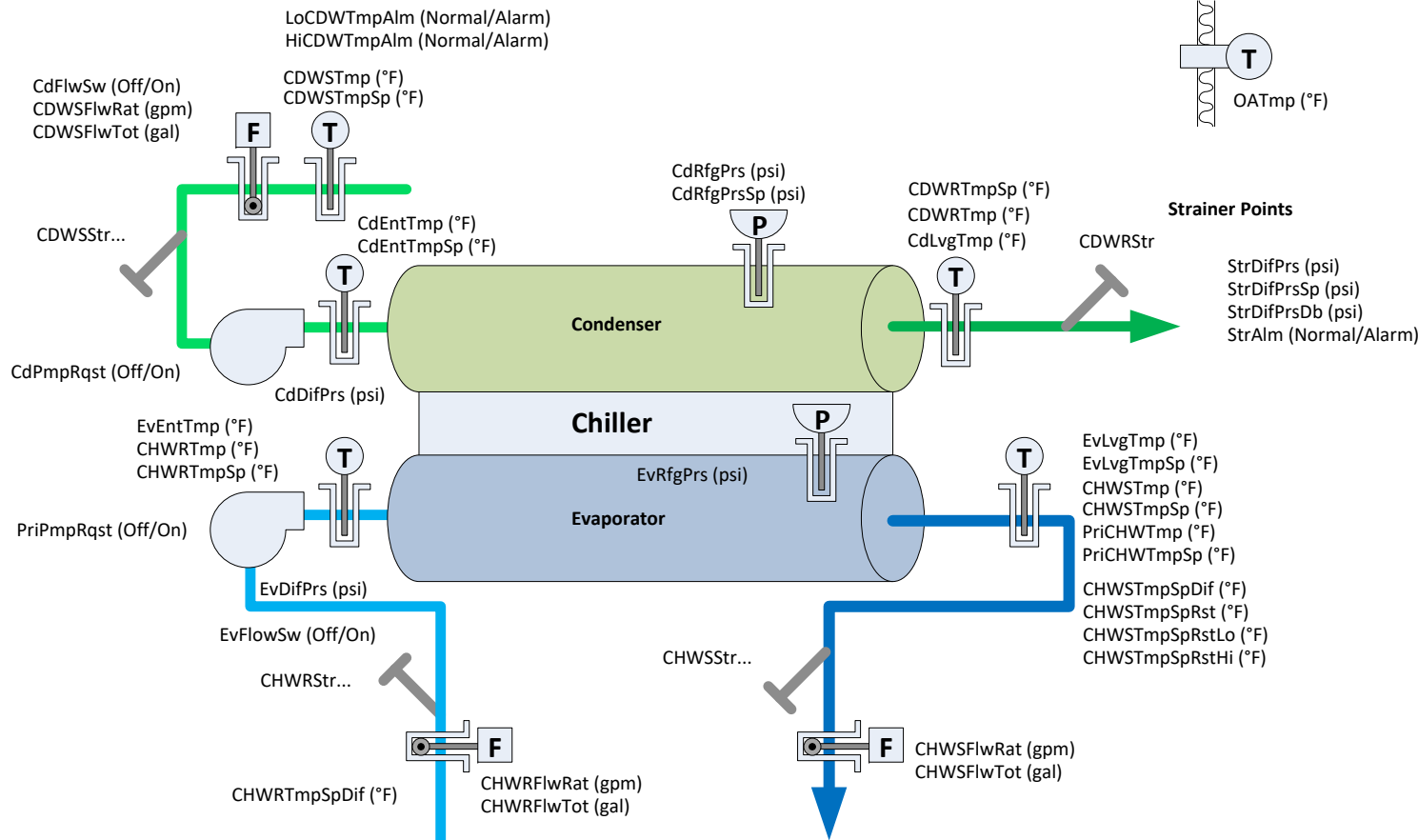
CHWRTmp (°F)
CHWRTmpSp (°F)

Pmp##Cmd (Off/On)
Pmp##Sts (Off/On)
Pmp##Spd (%)
Pmp##Pos (%)
Pmp##Alm (Normal/Alarm)
Pmp##Pwr (kW)
Pmp##Enrg (kWh)
Pmp##RnTm (hours)

IsoVlvCmd (Closed/Open)
IsoVlvPos (Closed/Open)
IsoVlvSts (Closed/Open)



CHWSTmp (°F)
CHWSTmpSp (°F)



See other chilled water system pages for additional points.

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

27 of 39

CHLR

PROJECT

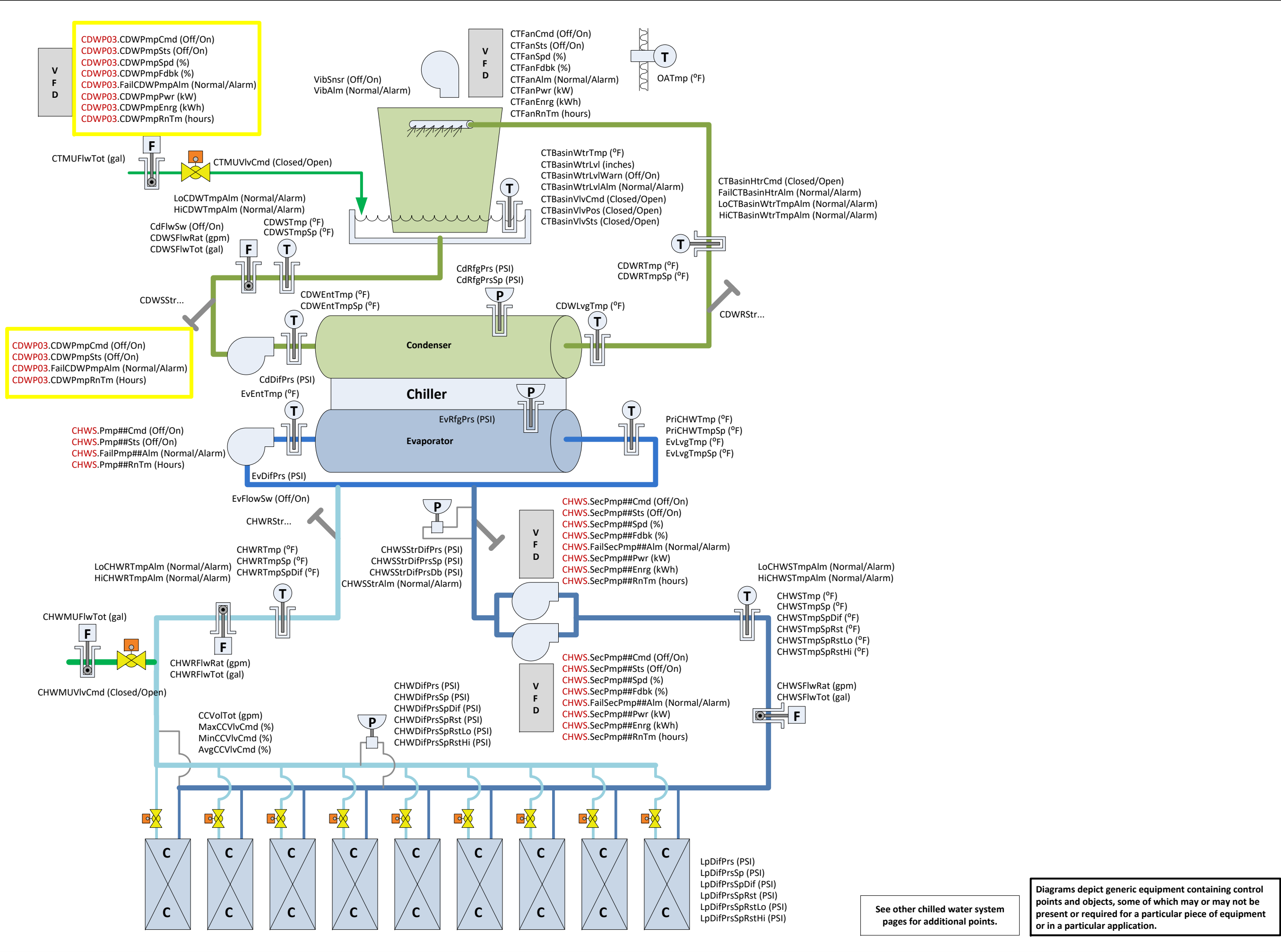
Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
28 of 39

CHWS



PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

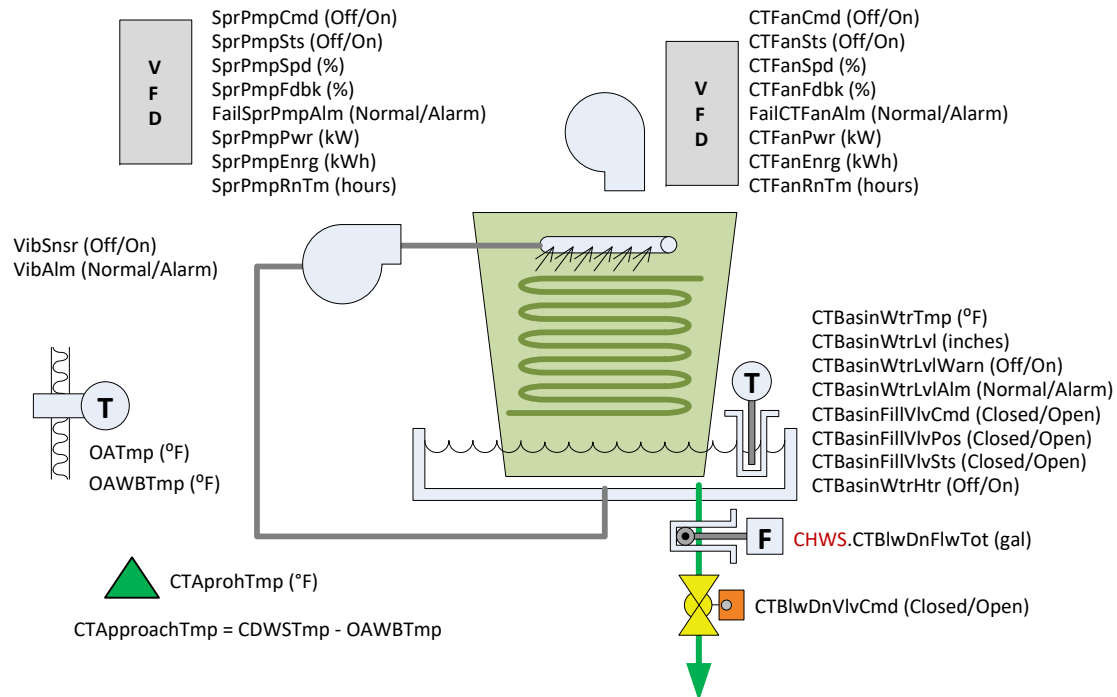
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

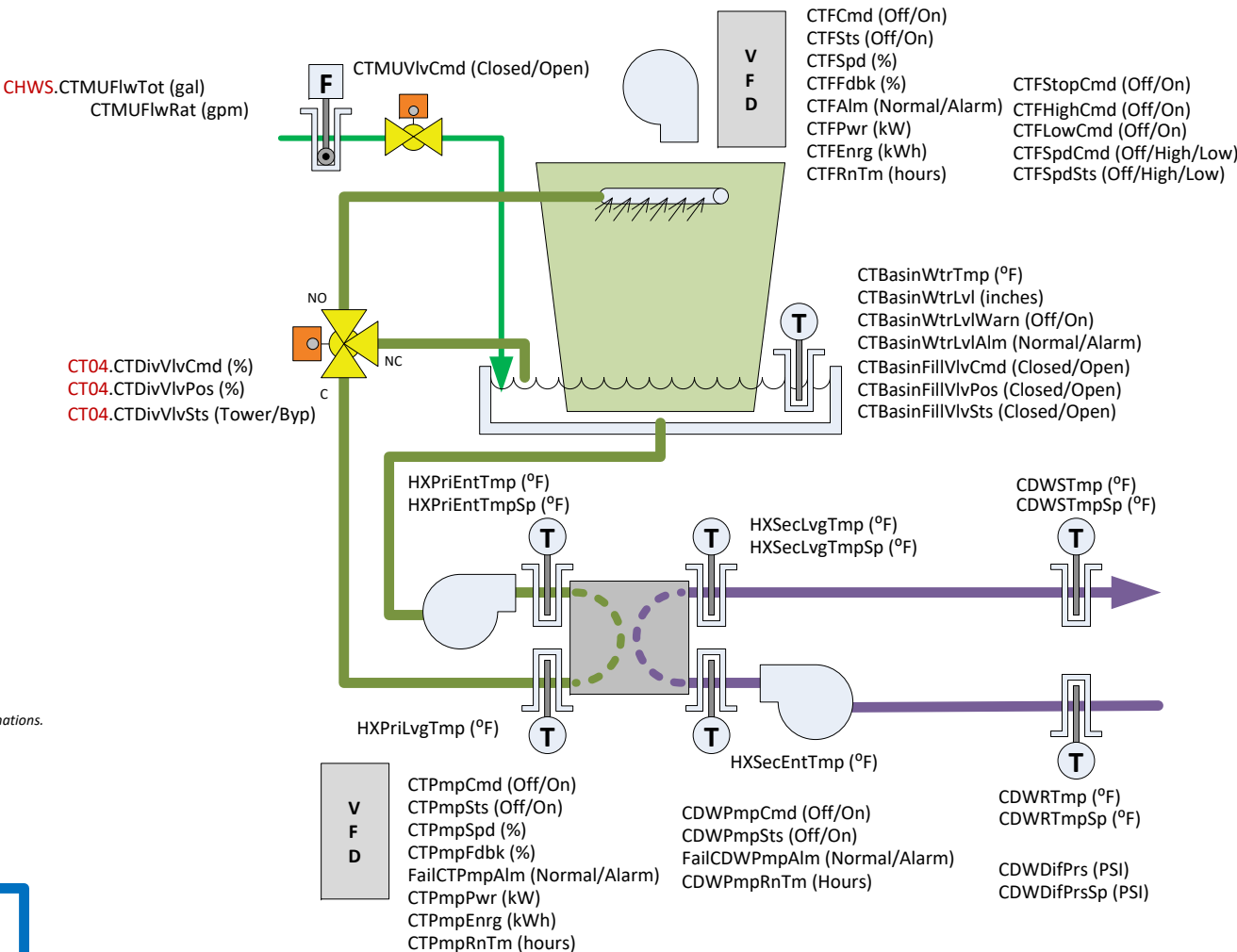
29 of 39

CDWS

Closed-Loop Cooling Tower

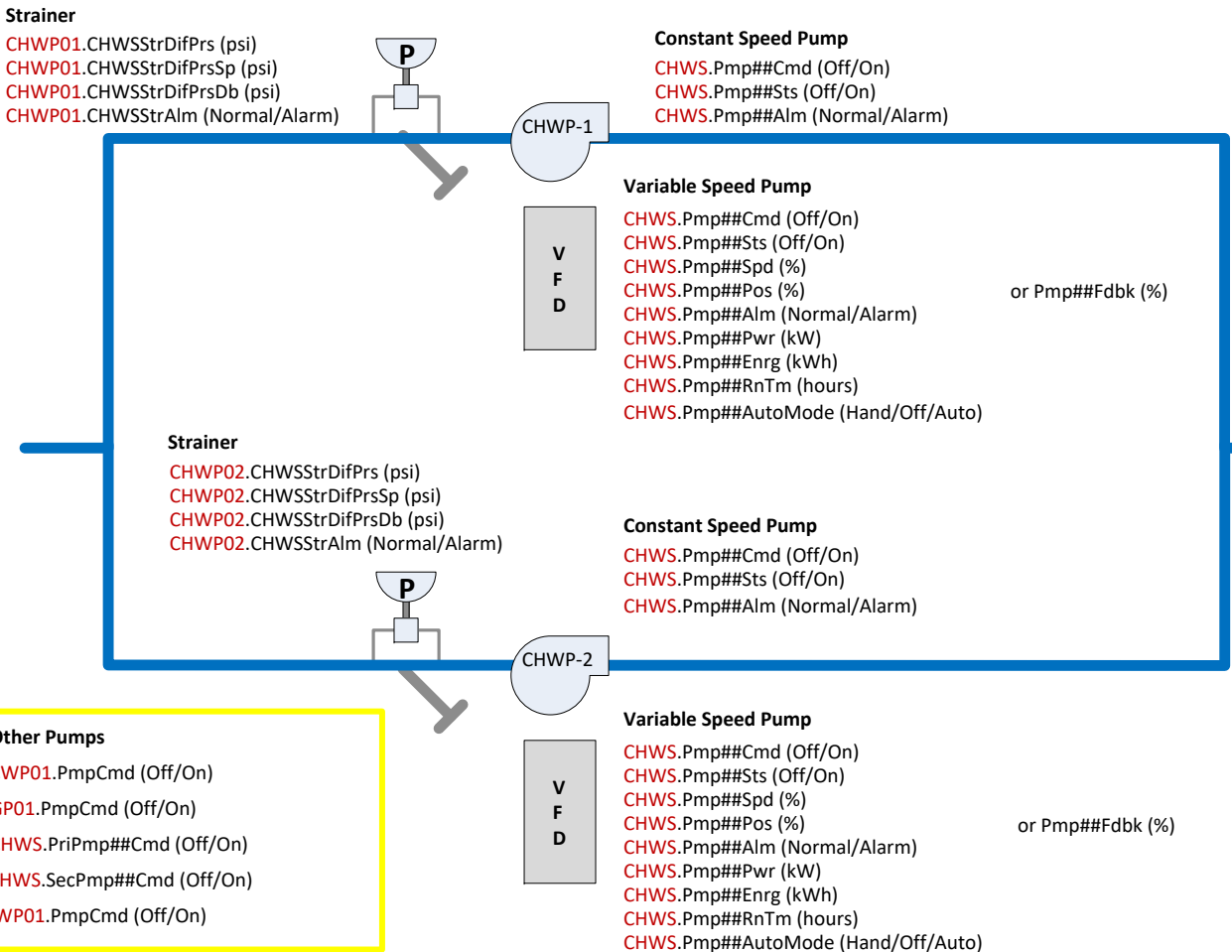


Condenser Water System/
Evaporative Cooling System



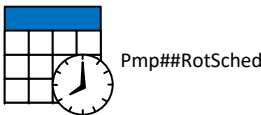
Pump Objects Example

"CHWP01" and "CHWP02" are example equipment designations.



Pump Control Objects

Pmp##Seq (seq)
Pmp##RotCmd (Off/On)
Pmp##RotSchedCmd (Off/On)
Pmp##LeadEna (Off/On)
Pmp##LagEna (Off/On)
Pmp##Ena (Off/On)
Pmp##Cmd (Off/On)
Pmp##Sts (Off/On)



Pmp##RotSched

See other chilled water system
pages for additional points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

See other hot water system pages for additional points.

PROJECT

Building Automation System
Device & Object Naming Standard

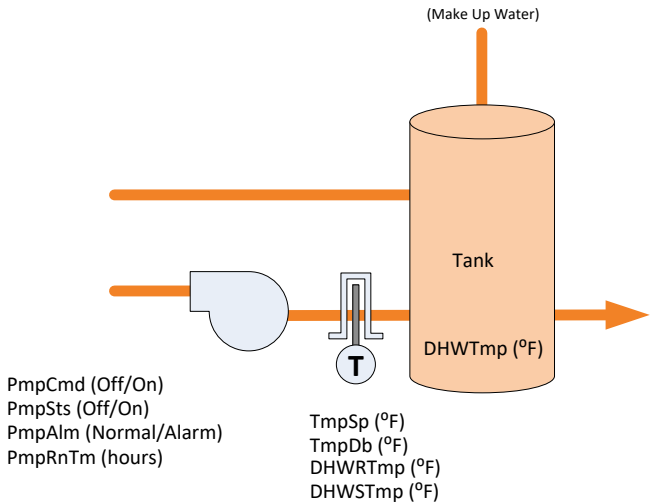
#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

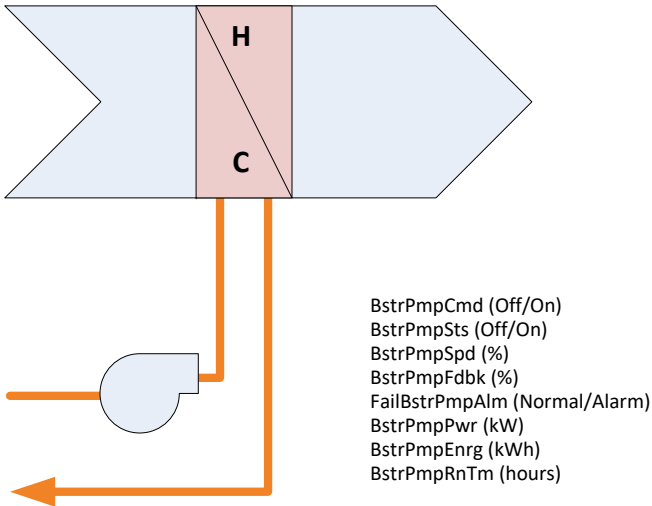
SHEET TITLE & NUMBER:
31 of 39

HWS2

Domestic Hot Water



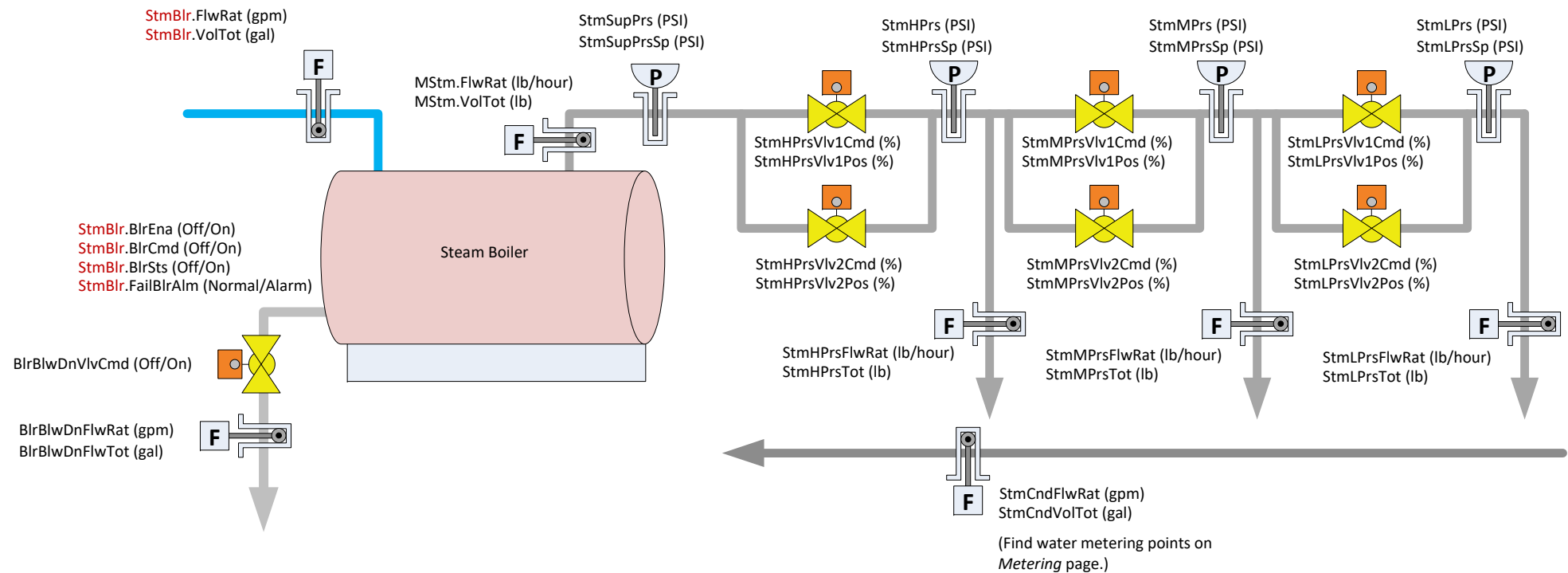
HW Coil Booster Pump



See other hot water system
pages for additional points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

In this example, the meter is a make-up water meter for the steam boiler.



See other hot water system pages for additional points.

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

32 of 39

STM

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

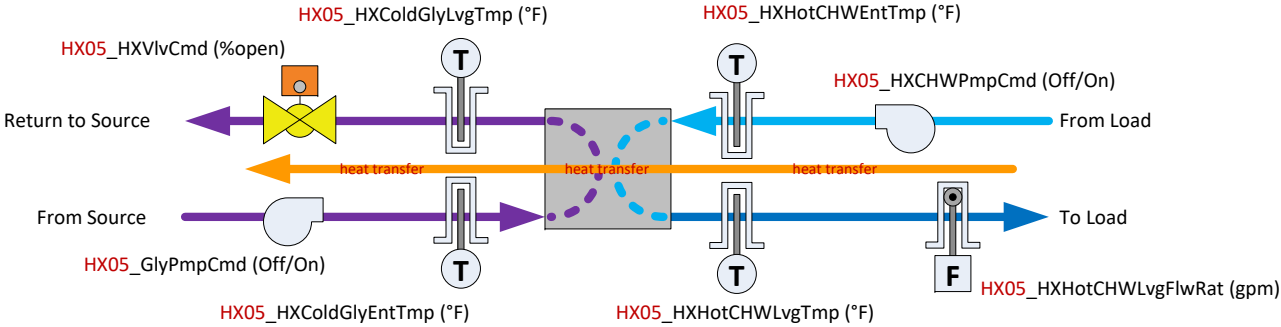
STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

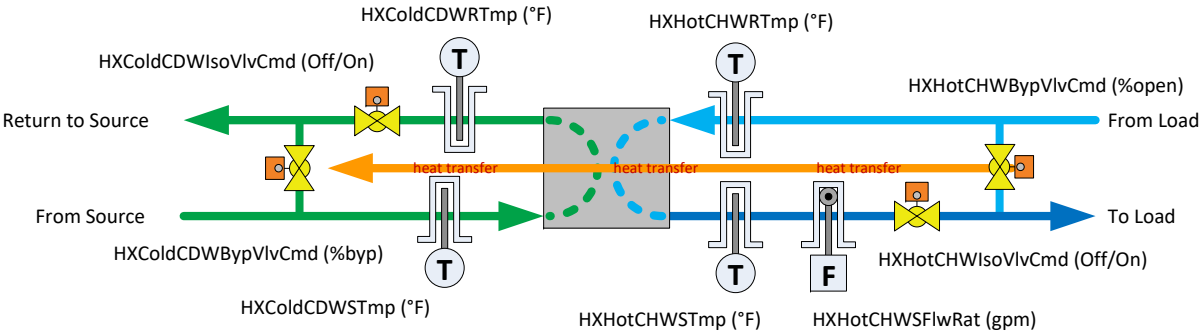
33 of 39

HX

Glycol Cooling Application

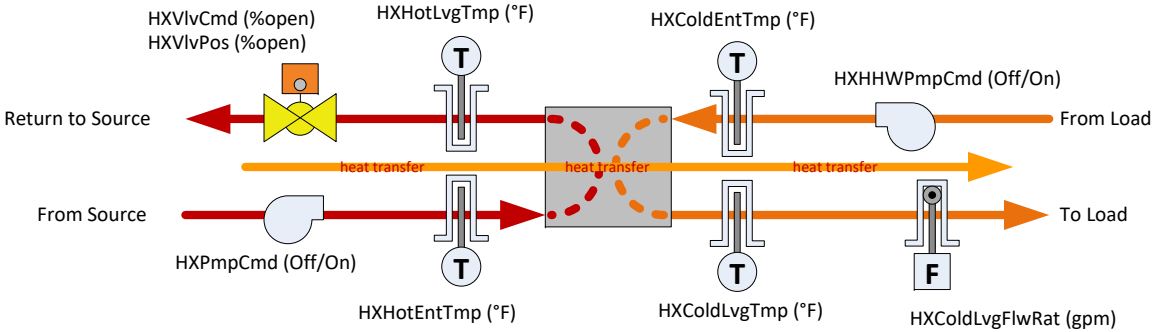


Free-Cooling Condenser Water Application

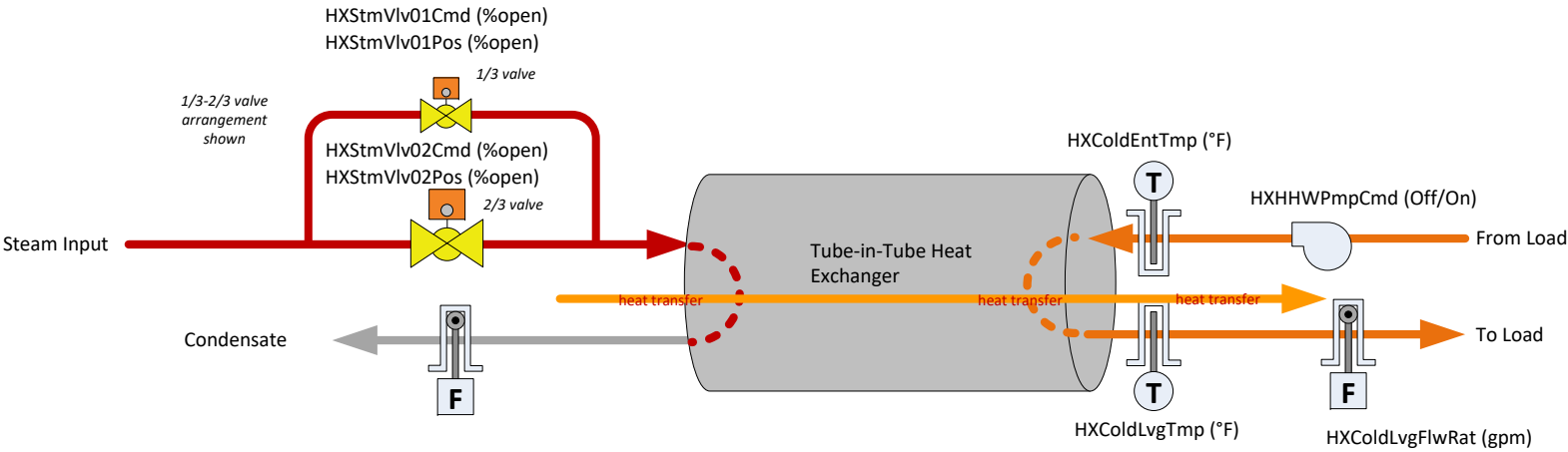
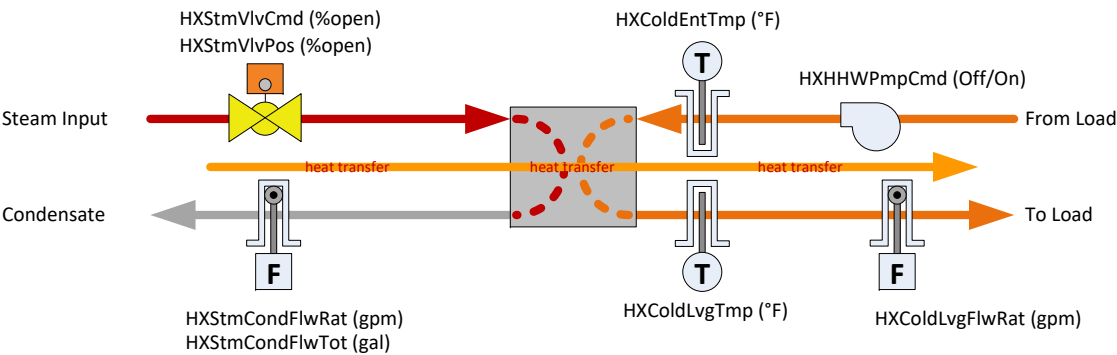


HXEna
HXLck
HXAprhTmp (°F)
AvgHXAprhTmp (°F)
HXApproachTmp = HXColdCDWSTmp – HXHotCHWSTmp (in this example)

Hot Water Heating Application



Steam/Hot Water Heating Application



(Find water metering points on
Metering page.)

See chilled and hot water
system pages for additional
points.

Diagrams depict generic equipment containing control
points and objects, some of which may or may not be
present or required for a particular piece of equipment
or in a particular application.

V
F
D

Common VFD Objects

- CDWP01_CDWPmpCmd (Off/On)
- CDWP01_CDWPmpSts (Off/On)
- CDWP01_CDWPmpSpd (%)
- CDWP01_CDWPmpPos (%) or CDWPmpFdbk (%)
- CDWP01_FailCDWPmpAlm (Normal/Alarm)
- CDWP01_CDWPmpPwr (kW)
- CDWP01_CDWPmpEnrg (kWh)
- CDWP01_CDWPmpRnTm (hours)
- CDWP01_CDWPmpFreq (Hz)
- CDWP01_CDWPmpAutoMode (Hand/Auto)
- CDWP01_CDWPmpCur (Amps)
- CDWP01_CDWPmpVltAC (VAC)
- CDWP01_CDWPmpVltDC (VDC)

Note: VFD points lists change often and the current VFD BACnet guide should be referenced.

“BLDG” is an example building number.
“CDWP01” is an example equipment designation.

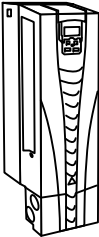


ABB ACH550 BACnet Object Map

“VFD” is used in place of the object name prefix.

Basic Commands

- BV12 = VFDEna (Off/On)
- BV10 = VFDCmd (Off/On)
- AV16 = VFDDirCmd (Fwd/Rev) or VFDSpd (%)
- AV17 = VFDDirCmd (Fwd/Rev)

Basic Feedback

- BV00 = VFDSSts (Stop/Run)
- AV00 = VFDPpos (%)
- AV01 = VFDFreq (Hz)
- AV05 = VFDTorq (lb-ft)
- AV02 = VFDDirCmd (Fwd/Rev)
- AV03 = VFDDirCmd (Fwd/Rev)
- AV04 = VFDCur (Amps)
- AV06 = VFDPwr (kW)
- AV08 = VFDEnrg (kWh)
- AV09 = VFDEnrgTot (MWh)
- AV14 = VFDRnTm (hours)
- AV15 = VFDMotorTm (°C)
- AV07 = VFDDriveTm (°C)
- BV01 = VFDDirCmd (Fwd/Rev)
- BV04 = VFDAutoMode (Auto/Hand)

Fault Feedback

- BV02 = VFDFaultSts (OK/Fault)
- BV14 = VFDFaultRst (Off/On)
- AV18 = VFDFaultLast (fault code)
- AV19 = VFDFaultPrev1 (fault code)
- AV20 = VFDFaultPrev2 (fault code)

Other Parameters

- BV13 = VFDRefSelCmd (EXT1/EXT2)
- BV03 = VFDRefSelSts (EXT1/EXT2)
- BV05 = VFDAImSts (OK/Alm)
- BV06 = VFDMaintSts (OK/Maint)
- BV07 = VFDReady (Not Ready/Ready)
- BV08 = VFDAAtSp (No/Yes)
- BV09 = VFDEna (Off/On)
- BV17 = VFDKeypadLck (Unlock/Lock)
- BV18 = VFDBACnetCtrlCmd (Off/On)
- BV19 = VFDBACnetCtrlSts (Off/On)
- AV23 = VFDRAmpUpTm (sec)
- AV24 = VFDRampDnTm (sec)

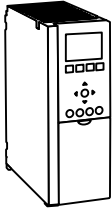
Drive I/O

- BO00= VFDR01Cmd (Off/On)
- BO01 = VFDR02Cmd (Off/On)
- BO02 = VFDR03Cmd (Off/On)
- BO03 = VFDR04Cmd (Off/On)
- BO04 = VFDR05Cmd (Off/On)
- BO05 = VFDR06Cmd (Off/On)
- BI00 = VFDR01Sts (Off/On)
- BI01 = VFDR02Sts (Off/On)
- BI02 = VFDR03Sts (Off/On)
- BI03 = VFDR04Sts (Off/On)
- BI04 = VFDR05Sts (Off/On)
- BI05 = VFDR06Sts (Off/On)

- BI06 = VFDDI1Sts (Off/On)
- BI07 = VFDDI2Sts (Off/On)
- BI08 = VFDDI3Sts (Off/On)
- BI09 = VFDDI4Sts (Off/On)
- BI10 = VFDDI5Sts (Off/On)
- BI11 = VFDDI6Sts (Off/On)

- AO21 = VFDAO1Pos (mA)
- AO22 = VFDAO2Pos (mA)

- AI00 = VFDAI1 (varies)
- AI01 = VFDAI2 (varies)



Danfoss VLT VFD BACnet Object Map

“VFD” is used in place of the object name prefix.

Basic Commands

- BV01 = VFDCmd (Off/On)
- AV01 = VFDRef1Spd (%) or VFDSpd (%)
- AV02 = VFDRef2Spd (%)
- BV25 = VFDDirCmd (CW/CCW)

Basic Feedback

- BV33 = VFDSSts (Stop/Run)
- AV03 = VFDPpos (%)
- AV25 = VFDFreq (Hz)
- AV26 = VFDTorq (%)
- AV27 = VFDDirCmd (Fwd/Rev)
- AV24 = VFDDirCmd (Fwd/Rev)
- AV05 = VFDCur (Amps)
- AV06 = VFDPwr (kW)
- AV23 = VFDEnrg (kWh)
- BV28 = VFDEnrgRst (Off/On)
- AV22 = VFDRnTm (hours)
- BV29 = VFDRnTmRst (Off/On)
- AV28 = VFDDriveTm (°C)
- BV30 = VFDDirCmd (Fwd/Rev)
- BV06 = VFDAutoMode (Auto/Hand)

Fault Feedback

- BV05 = VFDFaultSts (OK/Fault)
- BV03 = VFDFaultRst (Off/On)
- AV51 = VFDFaultLast (fault code)
- BV21 = VFDWarnSts (OK/Fault)
- BV22 = VFDTripSts (OK/Fault)

Other Parameters

- BV02 = VFDRefSelCmd (REF1/REF2)
- AV01 = VFDRef1Pos (%)
- AV02 = VFDRef2Pos (%)
- BV27 = VFDRst (Off/On)
- BV31 = VFDAAtSp (No/Yes)

Drive I/O

- BO00= VFDDO27Cmd (Off/On)
- BO01 = VFDDO29Cmd (Off/On)
- BO02 = VFDGPIOX306Cmd (Off/On)
- BO03 = VFDGPIOX307Cmd (Off/On)
- BO04 = VFDR01Cmd (Off/On)
- BO05 = VFDR02Cmd (Off/On)

- AI00 = VFDAI53 (%)
- AI01 = VFDAI54 (%)

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinsty

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

34 of 39

VFD

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:

DRAWN BY: McKinstry

REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

35 of 39

VRF-2P & 3P

Zone Control Points

- OccCmd (Occ/Uoc)

UocOvrCmd (Off/Ovr)

OvrdTmSp (hours)

OccZnTmpSp (°F)

UocZnTmpSp (°F)

EffZnTmp (°F)

EffZnTmpSp (°F)

OccClgSp (°F)

OccHtgSp (°F)

UocClgSp (°F)

UocHtgSp (°F)

StbyClgSp (°F)

StbyHtgSp (°F)

EffHtgSp (°F)

EffClgSp (°F)

UsrSpAdjEna (Off/On)

UsrSpAdjRng (°F)

UsrSpAdjHL (°F)

UsrSpAdjLL (°F)

UsrSpAdj (°F)

EffUsrSp (°F)

OccSnsr (Occ/Uoc)

OvrEna (Off/On)

OvrCmd (Off/Ovr)

OvrTmRem (min)
- ZnTmp (°F)

ZnTmpSp (°F)

ZnTmpSpHL (°F)

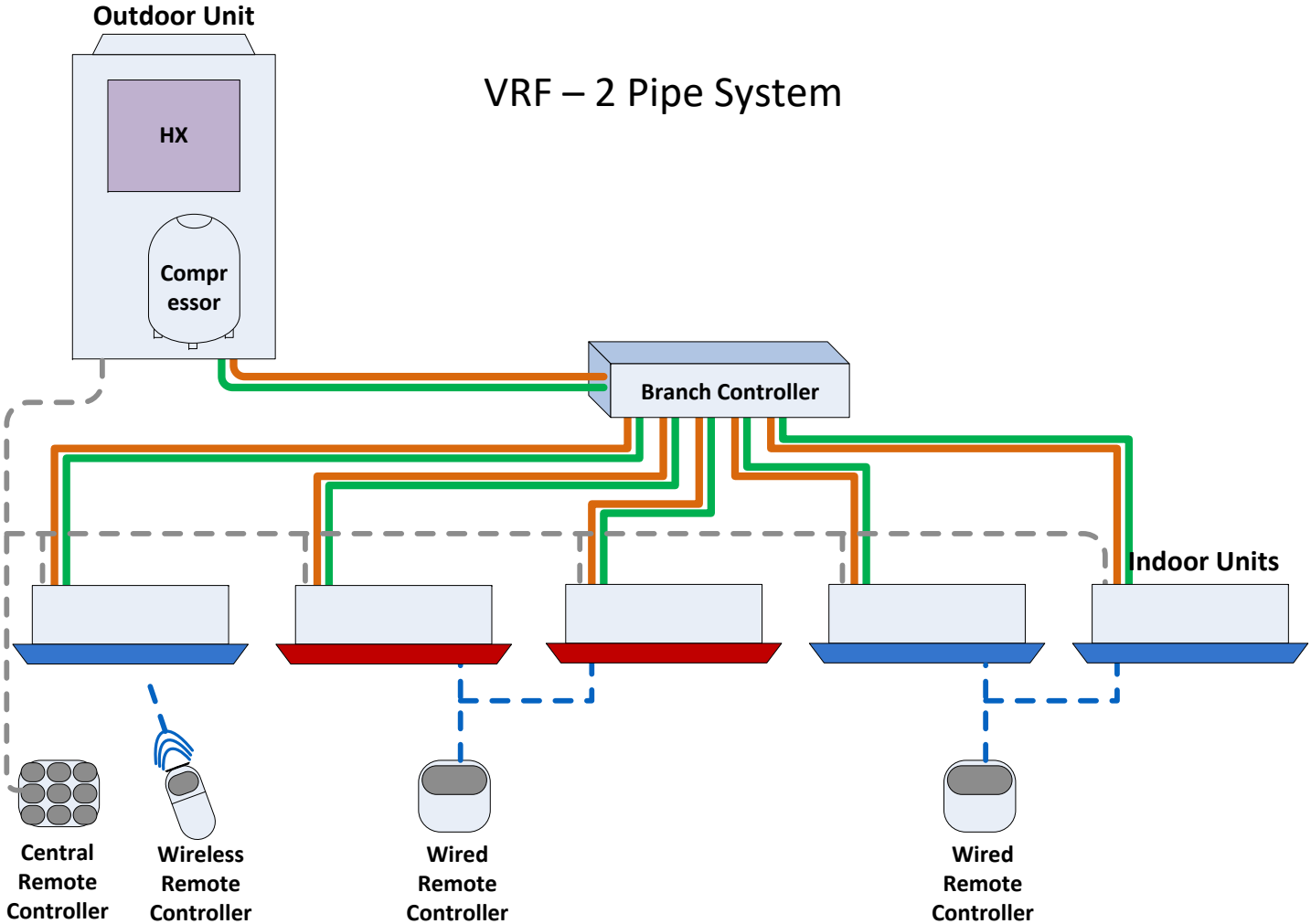
ZnTmpSpLL (°F)

ClgModeSts (Off/On)

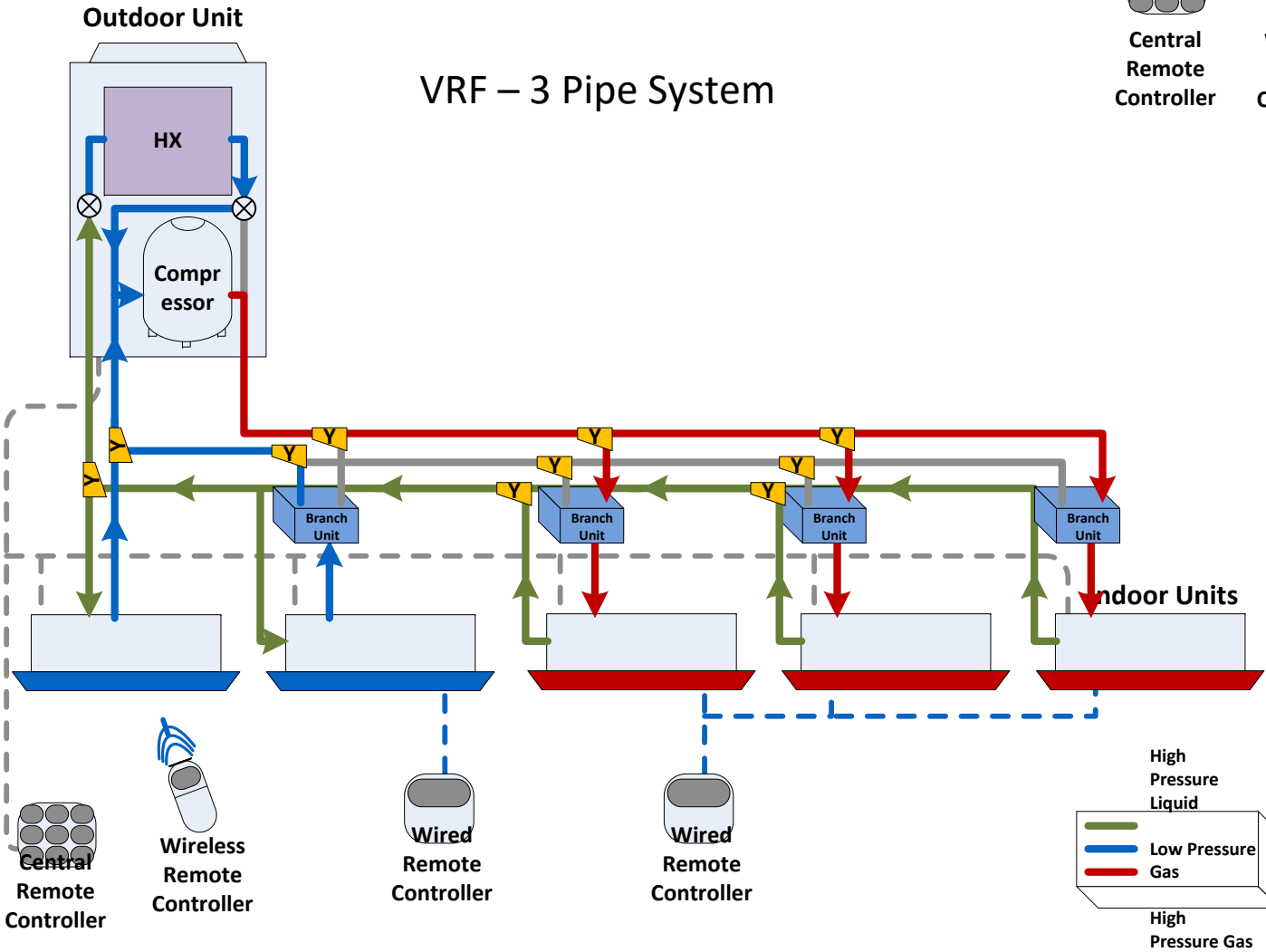
HtgModeSts (Off/On)

StbyModeSts (Off/On)

VRF – 2 Pipe System



VRF – 3 Pipe System



Condenser Points (ODU):

- ODU_OperMode- (MI) Operational Mode of Outdoor Unit
- CurFan1Freq- (AI) Fan_1Frequency
- CurFan2Freq- (AI) Fan_2Frequency
- CurHighPress- (AI) High Pressure
- CurLowPress- (AI) Low Pressure
- SuctionTemp- (AI) Suction Temperature
- CompQuantity- (AI) Compressor Quantity

Evaporator Points (IDU):

- PipeInTemp- (AI) Pipe In Temperature
- PipeOutTemp- (AI) Pipe Out Temperature
- UpTempRangeSpt- (AV) Upper Temperature Range Setting
- UpTempRangeVal- (AI) Upper Temperature Range Status
- LoTempRangeSpt- (AV) Lower Temperature Range Setting
- LoTempRangeVal- (AI) Lower Temperature Range Status
- TempLockCmd- (BO) Set Point Temperature Lock Command
- TempLockSts- (BI) Set Point Temperature Lock Command
- DbSts- (AI) Deadband Status
- OvrSts- (BI) Override Status

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinstry
REV. DATE: 7/22/26

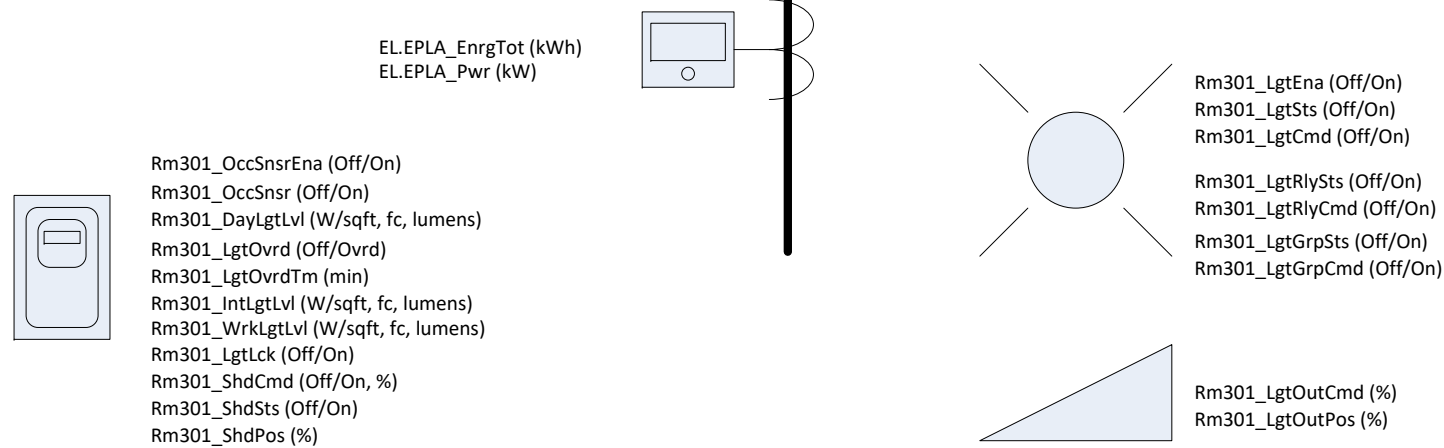
SHEET TITLE & NUMBER:
36 of 39

LGT

Lighting Abbreviations

Acc = Accent lights
BbFld = Baseball Field
Brk = Breaker
Can = Can lights
Clr = Classroom
Cmd = Command
Cnf = Conference Room
Cpy = Copy Room
Dpy = Display
E = East
Ena = Enable
Ext = Exterior
FbFld = Football Field
Fld = Field/Flood lights
Grp = Group
Gym = Gymnasium
Int = Interior
Lby = Lobby
Lck = Lockout
Ldg = Loading
Lgt = Light/Lighting
Lkr = Locker Room
Lvl = Level
N = North
Occ = Occupancy
Off = Office
Out = Output
Ovrd = Override
Pos = Position
Pkg = Parking
Rly = Relay
Rm = Room
S = South
Sgn = Signage
Shd = Shade
Snsr = Sensor
Spt = Spot lights
Stg = Seating
Sts = Status
W = West
Wdw = Window
Wrk = Work
Zn = Zone

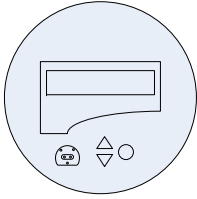
Lighting Panel EPLA							
1	Rm0101_LgtCmd (Off/On)	EPLA01_BrkSts (Off/On/Trip)			EPLA02_BrkSts (Off/On/Trip)	Zn12_LgtCmd (Off/On)	2
3	Rm0102_LgtCmd (Off/On)	EPLA03_BrkSts (Off/On/Trip)			EPLA04_BrkSts (Off/On/Trip)	WHall_LgtCmd (Off/On)	4
5	Rm0103_LgtCmd (Off/On)	EPLA05_BrkSts (Off/On/Trip)			EPLA06_BrkSts (Off/On/Trip)	Cnf_LgtCmd (Off/On)	6
7	Rm0254_LgtCmd (Off/On)	EPLA07_BrkSts (Off/On/Trip)			EPLA08_BrkSts (Off/On/Trip)	Off400_LgtCmd (Off/On)	8
9	Rm0258_LgtCmd (Off/On)	EPLA09_BrkSts (Off/On/Trip)			EPLA10_BrkSts (Off/On/Trip)	Cpy_LgtCmd (Off/On)	10
11	Rm0844_LgtCmd (Off/On)	EPLA11_BrkSts (Off/On/Trip)			EPLA12_BrkSts (Off/On/Trip)	GymN_LgtCmd (Off/On)	12
13	Rm0845_LgtCmd (Off/On)	EPLA13_BrkSts (Off/On/Trip)			EPLA14_BrkSts (Off/On/Trip)	GymS_LgtCmd (Off/On)	14
15	Rm1012_LgtCmd (Off/On)	EPLA15_BrkSts (Off/On/Trip)			EPLA16_BrkSts (Off/On/Trip)	BbFld_LgtCmd (Off/On)	16
17	LbyCan_LgtCmd (Off/On)	EPLA17_BrkSts (Off/On/Trip)			EPLA18_BrkSts (Off/On/Trip)	LkrRm_LgtCmd (Off/On)	18
19	LbyAcc_LgtCmd (Off/On)	EPLA19_BrkSts (Off/On/Trip)			EPLA20_BrkSts (Off/On/Trip)	WdwCan_LgtCmd (Off/On)	20
21	LbyDpy_LgtCmd (Off/On)	EPLA21_BrkSts (Off/On/Trip)			EPLA22_BrkSts (Off/On/Trip)	WdwSpt_LgtCmd (Off/On)	22
23	Sgn_LgtCmd (Off/On)	EPLA23_BrkSts (Off/On/Trip)			EPLA24_BrkSts (Off/On/Trip)	Stage_LgtCmd (Off/On)	24
25	PkgN_LgtCmd (Off/On)	EPLA25_BrkSts (Off/On/Trip)			EPLA26_BrkSts (Off/On/Trip)	Stg_LgtCmd (Off/On)	26
27	PkgW_LgtCmd (Off/On)	EPLA27_BrkSts (Off/On/Trip)			EPLA28_BrkSts (Off/On/Trip)	Clr101_LgtCmd (Off/On)	28
29	ExtFnt_LgtCmd (Off/On)	EPLA29_BrkSts (Off/On/Trip)			EPLA30_BrkSts (Off/On/Trip)	Roof_LgtCmd (Off/On)	30
31	ExtBck_LgtCmd (Off/On)	EPLA31_BrkSts (Off/On/Trip)			EPLA32_BrkSts (Off/On/Trip)	LdgFld_LgtCmd (Off/On)	32
EPLA_LgtPnlSts (varies) EPLA_LgtPnlFlt (Off/On) EPLA_LgtPnlAlm (Normal/Alarm)							



Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

Standard Electrical Meter Type
Abbreviations

EL = Electricity
PV = Photovoltaic Electricity
WD = Wind Electricity



Basic Meter

EL[circuit]_VltAC (VAC)
EL[circuit]_Cur (Amps)
EL[circuit]_Pwr
(kW)EL[circuit]_Enrg (kWh)

DC Systems

EL[circuit]_VltDC (VAC)
EL[circuit]_Cur (Amps)
EL[circuit]_Pwr
(kW)EL[circuit]_Enrg (kWh)

Common Electric Smart Meter Points

EL[circuit]_VltAB (VAC)
EL[circuit]_VltBC (VAC)
EL[circuit]_VltCA (VAC)
EL[circuit]_VltLLAvg (VAC)
EL[circuit]_VltLLMin (VAC)
EL[circuit]_VltLLMax (VAC)
EL[circuit]_VltLLMean (VAC)

EL[circuit]_VltAN (VAC)
EL[circuit]_VltBN (VAC)
EL[circuit]_VltBN (VAC)
EL[circuit]_VltLNAvg (VAC)
EL[circuit]_VltLNMin (VAC)
EL[circuit]_VltLNMax (VAC)
EL[circuit]_VltLNMean (VAC)

EL[circuit]_CurA (Amps)
EL[circuit]_CurB (Amps)
EL[circuit]_CurC (Amps)
EL[circuit]_CurAvg (Amps)
EL[circuit]_CurMin (Amps)
EL[circuit]_CurMax (Amps)
EL[circuit]_CurMean (Amps)

EL[circuit]_Freq (Hz)

EL[circuit]_RelPwrA (kW)
EL[circuit]_RelPwrB (kW)
EL[circuit]_RelPwrC (kW)
EL[circuit]_RelPwrTotal (kW)
EL[circuit]_RelPwrMax (kW)

EL[circuit]_EnrgRec (kWh)
(imported from grid)
EL[circuit]_EnrgDel (kWh)
(exported to grid)

EL[circuit]_EnrgRecNet (kWh)
EL[circuit]_EnrgDelNet (kWh)

EL[circuit]_AppPwrA (kVA)
EL[circuit]_AppPwrB (kVA)
EL[circuit]_AppPwrC (kVA)
EL[circuit]_AppPwrTotal (kVA)
EL[circuit]_AppPwrMax (kVA)
EL[circuit]_AppEnrgRec (kVAh)
EL[circuit]_AppEnrgRec (kVAh)
EL[circuit]_AppEnrgDel (kVAh)

EL[circuit]_RctPwrA (kVAR)
EL[circuit]_RctPwrB (kVAR)
EL[circuit]_RctPwrB (kVAR)
EL[circuit]_RctPwrC (kVAR)
EL[circuit]_RctPwrTotal (kVAR)
EL[circuit]_RctPwrMax (kVAR)
EL[circuit]_RctEnrgRec (kVARh)
EL[circuit]_RctEnrgDel (kVARh)

EL[circuit]_PwrFctrA (%)
EL[circuit]_PwrFctrB (%)
EL[circuit]_PwrFctrC (%)
EL[circuit]_PwrFctrAvg (%)

EL[circuit]_VltUnbal
EL[circuit]_CurUnbal
EL[circuit]_PhsRev (False/True)
EL[circuit]_VltPhsSeq

EL[circuit]_PlsOut1 (Off/On)
EL[circuit]_PlsOut2 (Off/On)
EL[circuit]_PlsOut3 (Off/On)
EL[circuit]_PlsOut4 (Off/On)

EL[circuit]_PlsIn1 (Off/On)
EL[circuit]_PlsIn2 (Off/On)
EL[circuit]_PlsIn3 (Off/On)
EL[circuit]_PlsIn4 (Off/On)

EL[circuit]_PlsTot1 (pulses)
EL[circuit]_PlsTot2 (pulses)
EL[circuit]_PlsTot3 (pulses)
EL[circuit]_PlsTot4 (pulses)

EL[circuit]_THDVIa (THD)
EL[circuit]_THDVIb (THD)
EL[circuit]_THDVIc (THD)

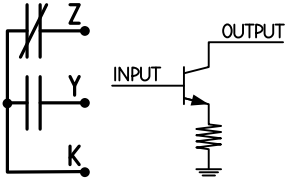
EL[circuit]_THDCurA (THD)
EL[circuit]_THDCurB (THD)
EL[circuit]_THDCurC (THD)

EL[circuit]_KfctrCurA (coeff)
EL[circuit]_KfctrCurB (coeff)
EL[circuit]_KfctrCurC (coeff)

EL[circuit]_CfctrCurA (coeff)
EL[circuit]_CfctrCurB (coeff)
EL[circuit]_CfctrCurC (coeff)

EL[circuit]_CtRatio (Ratio)
EL[circuit]_PtRatio (Ratio)
EL[circuit]_Serial (SN)

EL[circuit]_RO1 (Off/On)
EL[circuit]_RO2 (Off/On)
EL[circuit]_RO3 (Off/On)
EL[circuit]_RO4 (Off/On)



KYZ & Open Collector Pulses

EL[circuit]_PlsTot (pulses)
EL[circuit]_PlsTotRst (Off/On)
EL[circuit]_PlsGain (coeff)

For Meter Naming Standard Refer to the Following Document:
UW_Meter Nomenclature.docx

Common Photovoltaic
System Points

ELINV1_ ModuleTmp (°F)
ELINV1_IrradPOA (W/m^2)
ELINV1_IrradGlbHor (W/m^2)
ELINV1_GndFlt (Off/On)
ELINV1_Perf (%)
ELINV1_ ModuleTmpCoeff (coeff)
ELINV1_InvPwrMax (kW)
ELINV1_Comb###Cur (Amps)
ELINV1_Comb###Vlt (VDC)
ELINV1_Comb###Enrg (kWh)
ELINV1_InvMode (varies)
ELINV1_DCLnkVlt (VDC)
ELINV1_DCBusVlt (VDC)

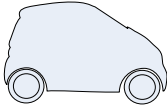
ELArray1_ArrayPwrMax (kW)
ELArray1_IrradPOA (W/m^2)
ELArray1_IrradGlbHor (W/m^2)
ELArray1_Perf (%)
ELArray1_ ModuleTmpCoeff (coeff)

Common
Generator Points

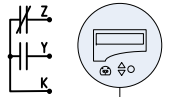
PwrCap (kW)
PwrPct (%)
BattVlt (VDC)
PwrPct (%)
OilPrs (PSI)
OilTmp (°F)
CoolantTmp (°F)
FuelRat (gal/hr)
EngSpd (rpm)
EngStarts (starts)
EngRnTm (hours)
EngStartCmd (Off/On)
FltCode (varies)
RstCmd (Off/On)
WarnCode (varies)
FuelRem (gal)
RnTmRem (hours)
ExhLvrCmd (Off/On)
ExhLvrSts (Off/On)
GenTest (Off/On)
ATSSSts (Off/On)
GenAlm (Normal/Alarm)

Common EV Charging
Station Points

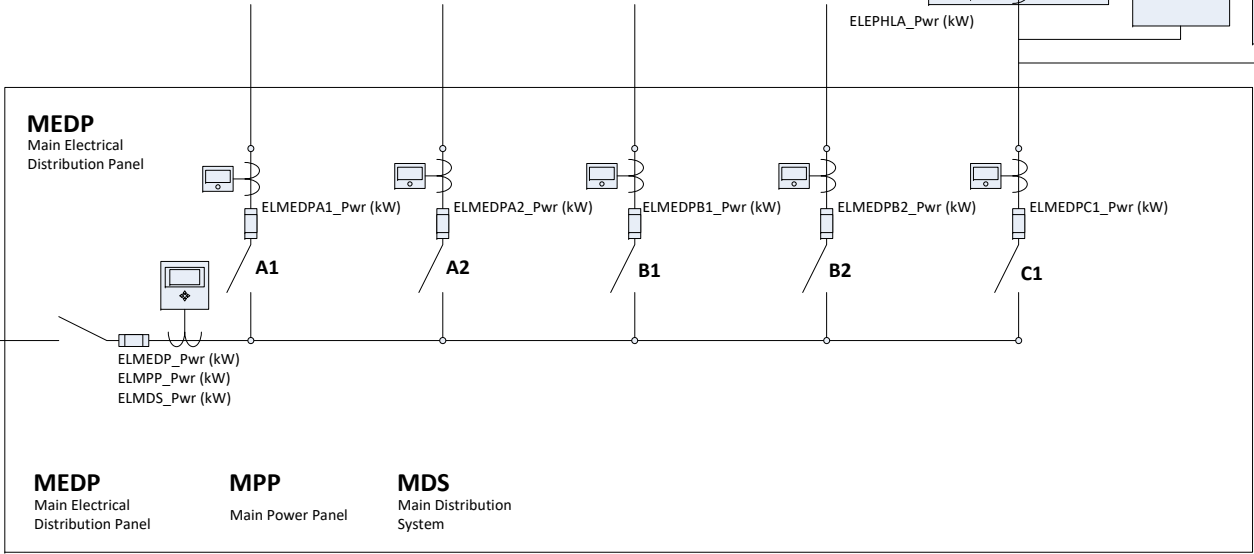
CurLmt (Amps)
StationMode (varies)
StationSts (varies)
StationEna (Off/On)
EnrgDel (kWh)
EnrgRec (kWh)
ChargeCur (Amps)
PwrPct (%)
PwrCap (kW)
PwrLmt (kW)
EVID (SN)



Utility Pulse
Points



ELUtil_PlsTot (pulses)
ELMain_Enrg (kWh)



Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.

PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:

37 of 39

ELEC

Devices

####.BBBB.EEEEEEEEEE

Facility Number

Max 4 characters, always designated by University of Washington

Building Identifier

Max 4 characters, always designated by University of Washington

Equipment/Location Designation

No formal standard – best practice is to use the equipment designations used in the building’s mechanical drawings
Up to 15 characters as-needed

Example Device Names

1111.FLK.AHU-1
1111.FLK.SCHWS
6600.IEB.HWS
6600.IEB.EAV-03-03
6550.FNDR.TU-05-01



Generic Device Points

DevSts (OK/Fault)
DevAlm (Normal/Alarm)
DevMfg (Manufacturer)
DevModel (Model)
DevHWVer (Version)
DevSWVer (Version)
DevFWVer (Version)
DevSerial (sn)

DevBootCnt (boots)
ErrCode (varies)
Uptime (sec, min, hours)
DevFault (Off/On)
PrevFaultCode (varies)
ActiveFaultCode (varies)
FaultCnt (faults)
RstCmd (Off/On)
RebootCmd (Off/On)
UTC (UTC)

Device Communications Points

DevComSts (OK/Fault)
DevLink (varies)
DevMACAdd (MAC Address)
DevID (Device ID)
DevIPAdd (IP Address)
DevNetID (Network ID)
DevAdd (Device Address)

Weather Points

Wthr.OATmp (°F)
Wthr.OATmpMax (°F)
Wthr.OATmpMin (°F)
Wthr.OATmpAvg (°F)

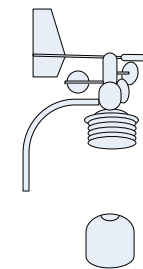
Wthr.OARelHum (%)
Wthr.OADew (°F)
Wthr.OAPrs (inHg)
Wthr.OAEnth (btu-lb)

Wthr.WindChill (°F)
Wthr.HtIndex (°F)

Wthr.PrecipGauge (in)
Wthr.PrecipSts (Off/On)

Wthr.WindSpd (mph, fps)
Wthr.WindDir (deg)
Wthr.WindSpdMax (mph, fps)

Wthr.IrradGlbHor (W/m^2)
Wthr.IrradDirNorm (W/m^2)



Energy Points

Chilled Water System Power, Energy, & Capacity

ChlRPwr (kW)
ChlREng (kWh)
ChlRCur (Amps)

CHWLoad (tons)
CDWLoad (tons)
ChlRNomCap (tons, btu, mbtu)
ChlRActCapPct (%) or ChlRLA (%)

CHWSysLoad (tons,kbtu,Mbtu)
CHWSysCap (tons,kbtu,Mbtu)
CHWEnGRat (energy units)
CHWEnGTot (energy units)
CHWTons (tons)
CHWkWTon (kW/ton)
CHWTonsSqFt (tons/sqft)
CHWCapacity (tons, btu, kbtu, mbtu, kW)

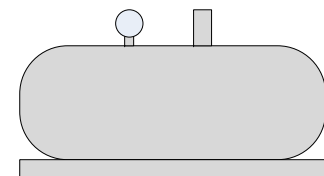
Hot Water System Energy

HWEnGRat (energy units)
HWEnGTot (energy units)
HWBtukWh (btu/kWh)
HWBtuHrSqFt (btu/hr/sqft)
HWCcapacity (btu, kbtu, mbtu, kW)

Condenser System Energy

CDWEnGRat (energy units)
CDWEnGTot (energy units)
CDWTons (tons)
CDWkWTon (kW/ton)
CDWBtukWh (btu/kWh)
CDWTonsSqFt (tons/sqft)
CDWBtuHrSqFt (btu/hr/sqft)
CDWCapacity (tons, btu, kbtu, mbtu, kW)

CTApproachTmp (°F)
CTCapacity (tons, btu, kbtu, mbtu, kW)



Compressed Air – Control Air

CMP01.CtrlAirCmpSts (Off/On)
CMP01.FailCtrlAirCmpAlm (Normal/Alarm)
CMP01.CtrlAirCmpFault (Normal/Fault)
CMP01.CtrlAirStPrs (PSI)
CMP01.CtrlAirStPrsSp (PSI)
CMP01.CtrlAirStPrsLL (PSI)
CMP01.LoCtrlAirStPrsAlm (Normal/Alarm)

Compressed Air – Lab Air

CMP02.LabAirCmpSts (Off/On)
CMP02.FailLabAirCmpAlm (Normal/Alarm)
CMP02.LabAirCmpFault (Normal/Fault)
CMP02.LabAirStPrs (PSI)
CMP02.LabAirStPrsSp (PSI)
CMP02.LabAirStPrsLL (PSI)
CMP02.LoLabAirStPrsAlm (Normal/Alarm)

For Meter Naming Standard Refer to the Following Document:
UW_Meter Nomenclature.docx

Diagrams depict generic equipment containing control points and objects, some of which may or may not be present or required for a particular piece of equipment or in a particular application.



PROJECT

Building Automation System
Device & Object Naming Standard

#	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
38 of 39

MISC

Revision History:

March 2026:

Added Abbreviations:

- Cnt – Count
- Inj – Injector
- DTC – Dual Temperature Coil
- Rqst – Request

Added Equipment Configurations:

- FCU with Dual Temperature Coil, 6 Way Valve and 4 Valve Configurations

Updated several instances of Flt being used as Fault including:

- CRAC fault points
- VFD fault points
- Device fault points

June 2026

Addition of ICA Building Abbreviation and FACNUM

Added Abbreviations

- Drn – Drain
- Dfrst – Defrost
- Spr – Superheat
- Sat – Saturation

Added pump and fan #s in object names

PROJECT

Building Automation System
Device & Object Naming Standard

	DATE	DESCRIPTION
1.01	02/18/2025	Meter Name Convention
2	-	-
-	-	-
-	-	-
-	-	-
-	-	-

STATUS:
DRAWN BY: McKinsty
REV. DATE: 7/22/26

SHEET TITLE & NUMBER:
39 of 39