

LANL ESM Chapter 1 Section 230 Equipment
and Component IDs
Att 1 Discipline-Sort Print-File
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ID	Equipment/Component Name	Primary Discipline (Sort)
MISC	Miscellaneous (check with Ch 1 POC before using)	All
SYS	System (for single CMMS entry for entire OPsystem or subsystem)	All
ADARMP	ADA ramp (bldg or sidewalk)	C/S/Arch
ARMPL	Armor plate (e.g., ceiling)	C/S/Arch
KARDEX	Automated storage and retrieval (Lektriever, Kardex)	C/S/Arch
BARR	Barrier (rail, bollard, jersey, etc.)	C/S/Arch
BERM	Berm	C/S/Arch
BRDG	Bridge	C/S/Arch
BLDG	Building incl. office trailer	C/S/Arch
CAGE	Cage (wire/fence or restraint)	C/S/Arch
CRACK	Crack or Fissure in Building	C/S/Arch
CTO	Crane, bridge	C/S/Arch
CTG	Crane, gantry	C/S/Arch
CJ	Crane, jib	C/S/Arch
CM	Crane, monorail	C/S/Arch
CS	Crane, shop	C/S/Arch
CURB	Curbing (asphalt, concrete)	C/S/Arch
DECK	Deck (e.g., bridge, roof)	C/S/Arch
DR	Door	C/S/Arch
DAC	Door, air curtain	C/S/Arch
DM	Door, motorized	C/S/Arch
DRE	Door, roll-up, electric	C/S/Arch
DRH	Door, roll-up, hydraulic	C/S/Arch
DRM	Door, roll-up, manual	C/S/Arch
DWR	Drawer	C/S/Arch
DW	Dumbwaiter	C/S/Arch
EE	Elevator, electric	C/S/Arch
EH	Elevator, hydraulic	C/S/Arch

FPE	Fall protection equipment	C/S/Arch
FEN	Fence	C/S/Arch
GE	Gate, electric	C/S/Arch
GH	Gate, hydraulic	C/S/Arch
HST	Hoist or winch (TA55 only; others use specific kind)	C/S/Arch
HE	Hoist or winch, electric	C/S/Arch
HM	Hoist or winch, manual	C/S/Arch
HP	Hoist or winch, pneumatic/hyd	C/S/Arch
IMM	Ice maker machine	C/S/Arch
LADR	Ladder	C/S/Arch
LFT	Lift (use specific where possible)	C/S/Arch
SLS	Lift station, sewage	C/S/Arch
LWI	Lift, wheelchair, inclined	C/S/Arch
LWV	Lift, wheelchair, vertical	C/S/Arch
SMF	Main, force, sewage	C/S/Arch
MHE	Manhole, electric	C/S/Arch
MHS	Manhole, steam	C/S/Arch
MWW	Manhole, waste water	C/S/Arch
MKGS	Markings (pavement or otherwise)	C/S/Arch
MBPERM	Message board, permanent	C/S/Arch
MBPORT	Message board, portable	C/S/Arch
PKLOTP	Parking lot, paved	C/S/Arch
PKLOTU	Parking lot, unpaved	C/S/Arch
PAVEMT	Pavement (ashpalt, concrete)	C/S/Arch
FP	Penetration, Floor	C/S/Arch
WP	Penetration, Wall or Roof	C/S/Arch
PLUG	Plug (shield, cable, etc.)	C/S/Arch
RACK	Rack	C/S/Arch
RGNG	Rigging (slings, shackles, etc)	C/S/Arch
RPP	Road & park lots, paved (legacy)	C/S/Arch
RUP	Road & park lots, unpaved (legacy)	C/S/Arch
RDLOC	Road, local (incl. driveways)	C/S/Arch
RDPRM	Road, primary (arterial)	C/S/Arch
RDSEC	Road, secondary (collector)	C/S/Arch
RDUP	Road, unpaved	C/S/Arch
RBE	Road-block, electric	C/S/Arch
RBH	Road-block, hydraulic	C/S/Arch

RS	Roof section	C/S/Arch
SHLO	Shelves or shelf	C/S/Arch
SHLD	Shielding, radioactive or other	C/S/Arch
SDWLK	Sidewalk	C/S/Arch
SIGN	Sign (traffic, reflectors, etc.)	C/S/Arch
RSPERM	Sign, radar speed, permanent	C/S/Arch
RSPORT	Sign, radar speed, portable	C/S/Arch
TRSGNL	Signal, traffic	C/S/Arch
SOIL	Soil (dirt cover)	C/S/Arch
SUBSTR	Substructure (e.g., bridge)	C/S/Arch
SPRSTR	Superstructure (e.g., bridge)	C/S/Arch
TRCALM	Traffic calming (hump, bump, table)	C/S/Arch
TRAIL	Trail	C/S/Arch
Tunnel	Tunnel	C/S/Arch
TTT	Turntable	C/S/Arch
WALL	Wall	C/S/Arch
RETWAL	Wall, retaining	C/S/Arch
WGS	Weir gate, sludge	C/S/Arch
WW	Wig-wag gate or testing tool	C/S/Arch
WDO	Window (bldg, shield, or vessel)	C/S/Arch
52	Circuit breaker, AC	EI Util Dwgs
CBA	Circuit breaker, air (MV or HV)	EI Util Dwgs
7	Circuit Breaker, Anode	EI Util Dwgs
72	Circuit Breaker, DC	EI Util Dwgs
22	Circuit Breaker, Equalizer	EI Util Dwgs
41	Circuit Breaker, Field	EI Util Dwgs
CBO	Circuit breaker, oil (MV or HV)	EI Util Dwgs
42	Circuit Breaker, Running	EI Util Dwgs
6	Circuit Breaker, Starting	EI Util Dwgs
93	Contactora, Field Changing	EI Util Dwgs
29	Contactora, Isolating	EI Util Dwgs
73	Contactora, Load-Resistor	EI Util Dwgs
4	Contactora, Master	EI Util Dwgs
19	Contactora, Starting-To-Running Transition	EI Util Dwgs
69	Control Device, Permissive	EI Util Dwgs
28	Detector, Flame (e.g., boiler)	EI Util Dwgs
18A	Device, Accelerating	EI Util Dwgs

26	Device, Apparatus Thermal	EI Util Dwgs
38	Device, Bearing Protective	EI Util Dwgs
35	Device, Brush-Operating or Slip-Ring Short Circuiting	EI Util Dwgs
8	Device, Control Power Disconnecting	EI Util Dwgs
18D	Device, Decelerating	EI Util Dwgs
43	Device, Manual Trans/Select	EI Util Dwgs
34	Device, Master Sequence	EI Util Dwgs
66	Device, Notching or Jogging	EI Util Dwgs
12	Device, Overspeed	EI Util Dwgs
36	Device, Polarity or Polarizing Voltage	EI Util Dwgs
9	Device, Reversing	EI Util Dwgs
31	Device, Separate Excitation	EI Util Dwgs
57	Device, Short-Circuiting or Grounding	EI Util Dwgs
15	Device, Speed or Frequency Matching	EI Util Dwgs
5	Device, Stopping	EI Util Dwgs
13	Device, Synchronous Speed	EI Util Dwgs
23	Device, Temperature Control	EI Util Dwgs
14	Device, Underspeed	EI Util Dwgs
DHO	Disconnect, hand-operated	EI Util Dwgs
DMO	Disconnect, motor-operated	EI Util Dwgs
88	Generator, Auxiliary Motor or Motor	EI Util Dwgs
65	Governor	EI Util Dwgs
	Ground, overcurrent trip (see Relay, AC)	EI Util Dwgs
LET	Line, electric, transmission	EI Util Dwgs
1	Master Element	EI Util Dwgs
75	Mechanism, Position Changing	EI Util Dwgs
45	Monitor, atmospheric condition	EI Util Dwgs
39	Monitor, mechanical, condition	EI Util Dwgs
84	Operating Mechanism	EI Util Dwgs
90	Regulating Device	EI Util Dwgs
67	Relay, AC Directional Overcurrent	EI Util Dwgs
79	Relay, AC Reclosing	EI Util Dwgs
51	Relay, AC Time Overcurrent	EI Util Dwgs

74	Relay, Alarm	EI Util Dwgs
30	Relay, Annunciator	EI Util Dwgs
83	Relay, Automatic Selective Control or Transfer	EI Util Dwgs
68	Relay, Blocking	EI Util Dwgs
85	Relay, Carrier/Pilot-Wire Receiver	EI Util Dwgs
3	Relay, Checking or Interlocking	EI Util Dwgs
61	Relay, Current Balance	EI Util Dwgs
76	Relay, DC Overcurrent	EI Util Dwgs
82	Relay, DC Reclosing	EI Util Dwgs
87	Relay, Differential Protective	EI Util Dwgs
32	Relay, Directional Power	EI Util Dwgs
21	Relay, Distance	EI Util Dwgs
53	Relay, Exciter or DC Generator	EI Util Dwgs
40	Relay, Field	EI Util Dwgs
56	Relay, Field Application	EI Util Dwgs
81	Relay, Frequency	EI Util Dwgs
64	Relay, Ground Detector (Not CT Secondary)	EI Util Dwgs
48	Relay, Incomplete Sequence	EI Util Dwgs
50	Relay, Instantaneous Overcurrent (OC)	EI Util Dwgs
86	Relay, Locking-Out	EI Util Dwgs
49	Relay, Machine or Transformer Thermal	EI Util Dwgs
78	Relay, Out-of-Step Protective Phase-Angle Measuring	EI Util Dwgs
59	Relay, Overvoltage	EI Util Dwgs
95	Relay, Phase Discordance Handling Unit	EI Util Dwgs
46	Relay, Phase-Balance Current or Reverse-Phase	EI Util Dwgs
47	Relay, Phase-Sequence Voltage	EI Util Dwgs
55	Relay, Power Factor	EI Util Dwgs
58	Relay, Rectifier Failure	EI Util Dwgs
24	Relay, Static Breaker Failure	EI Util Dwgs
2	Relay, Time-Delay Starting or Closing	EI Util Dwgs
62	Relay, Time-Delay Starting or Closing	EI Util Dwgs

94	Relay, Tripping	EI Util Dwgs
37	Relay, Undercurrent or Underpower	EI Util Dwgs
27	Relay, Undervoltage	EI Util Dwgs
44	Relay, Unit Sequence Starting	EI Util Dwgs
92	Relay, Voltage and Power Directional	EI Util Dwgs
91	Relay, Voltage Directional	EI Util Dwgs
60	Relay, Voltage or Current Balance	EI Util Dwgs
70	Rheostat	EI Util Dwgs
80	Switch, flow	EI Util Dwgs
71	Switch, level	EI Util Dwgs
89	Switch, line	EI Util Dwgs
33	Switch, position (HV)	EI Util Dwgs
63	Switch, pressure (HV)	EI Util Dwgs
17	Switch, shunting or discharge	EI Util Dwgs
10	Switch, Unit Sequence	EI Util Dwgs
25	Synchronizing or Synchronism-Check Drive	EI Util Dwgs
TLA	Tower, electric, PNM LA	EI Util Dwgs
TMP	Tower, electric, PNM MP	EI Util Dwgs
TNL	Tower, electric, PNM NL	EI Util Dwgs
TTE	Tower, electric, PNM TE	EI Util Dwgs
XFRP	Transformer, power (HV)	EI Util Dwgs
77	Transmitter, Pulse	EI Util Dwgs
20	Valve, electrically operated	EI Util Dwgs
AMP	Amplifier	Elec
BTRY	Battery or battery box	Elec
BB	Battery, banked	Elec
JBOX	Box, junction	Elec
	breaker, circuit -- see circuit breaker	Elec
DB	Bus duct (aboveground) (TA-55 only uses as drop box)	Elec
DBPL	Bus Plug	Elec
SSBU	Bus, substation (HV)	Elec
BTN	Button, Push (switch)	Elec
CAB	Cabinet (including control)	Elec
CAP	Capacitor, non-pad mounted	Elec
CPMD	Capacitor, pad mounted	Elec
CB	Charger, battery	Elec

CBE	Circuit breaker, enclosed (individual MCCB NEMA AB 1, often used as disconnect)	Elec
CBG	Circuit breaker, gas (MV or HV)	Elec
ICCB	Circuit breaker, insulated case (in a LV swbd)	Elec
LVPCB	Circuit breaker, low voltage power (draw-out mounted power CB in ANSI-rated LV swgr)	Elec
MCCB	Circuit breaker, molded-case in pnld or swbd	Elec
CBV	Circuit breaker, vacuum (MV or HV)	Elec
CEO	Circuit, electric, overhead	Elec
CEU	Circuit, electric, underground	Elec
CNTR	Contacto	Elec
CDD	Disconnect, circuit (enclosed switch, safety switch)	Elec
DBD	Distribution Bus Duct	Elec
VFD	Drive, variable frequency	Elec
ELEM	Element (electric, heating, etc.)	Elec
EXC	Exciter	Elec
	Exit Sign Non-Tritium (see Light, non-tritium)	Elec
	Exit Sign Tritium (see Light, tritium)	Elec
FU	Fuse	Elec
GEN	Generator	Elec
GDE	Generator, diesel engine	Elec
MG	Generator, motor	Elec
GNE	Generator, natural gas engine	Elec
PMG	Generator, permanent magnet	Elec
GNS	Generator, steam driven	Elec
GFCI	Ground Fault Circuit Interrupter	Elec
INVT	Inverter	Elec
	Junction Box (see Box, junction)	Elec
LTE	Light, emergency	Elec
LTNT	Light, exit, non-tritium	Elec

LTET	Light, exit, tritium	Elec
LSS	Light, street	Elec
LF	Lighting fixture	Elec
	Lighting Panel (see Panel, lighting)	Elec
LN	Lighting, incandescent	Elec
LPT	Lightning protection	Elec
RLB	Load bank, resistance	Elec
MIX	Mixer (e.g., PA)	Elec
MO	Motor	Elec
MCC	Motor control center	Elec
	Motor starter (see Starter, motor)	Elec
OUT	Outlet, non-telephone	Elec
EP	Panel, emergency power	Elec
LP	Panel, lighting (legacy; use PP now)	Elec
PP	Panel, power	Elec
PPDC	Panel, power, direct current	Elec
PSD	Phase shifting device	Elec
PE	Pole, electrical distribution	Elec
PDU	Power distribution unit	Elec
	Power Panel (see Panel, power)	Elec
RECT	Rectifier	Elec
RV	Regulator, voltage	Elec
RLY	Relay or Relay Module (TA-55 only, others use specific type)	Elec
PR	Relay, protective	Elec
SPK	Speaker	Elec
MSTR	Starter, motor	Elec
PSTART	Starter, pneumatic	Elec
SUB	Substation (HV)	Elec
SUS	Substation, unit, secondary [integrated assy w/ fused MV interrupter switch(es), power xfmr(s), swgear, breakers, and a LV swgear assy.]	Elec
SPDE	Surge protective device (lightning suppressor or arrestor, all voltages)	Elec
	Switch, Automatic Transfer (see Switch, Transfer, Auto)	Elec

	Switch, enclosed (see Disconnect, circuit)	Elec
	Switch, manual transfer (see Switch, transfer, man)	Elec
SPM	Switch, pad mounted (MV, has 1 or more interrupter switches)	Elec
ATS	Switch, transfer, automatic	Elec
MTS	Switch, transfer, manual	Elec
ST	Switch, transformer	Elec
SV	Switch, vacuum	Elec
SWBD	Switchboard (NEMA)	Elec
SWGR	Switchgear (ANSI) with either breakers or fused interrupter switches	Elec
TEL	Telecom or data jack, or phone itself	Elec
TELE	Television	Elec
XFMR	Transformer (LV, 480 or less)	Elec
XFRD	Transformer, distribution (MV)	Elec
XFRR	Transformer, rectifier	Elec
UPS	Uninterruptible power supply	Elec
AFD	Actuator, fire device	Fire Prot
FCPB	Battery, fire control panel	Fire Prot
PBX	Box, pull	Fire Prot
DF	Damper, fire	Fire Prot
DS	Damper, smoke (some legacy use as door switch, now use BMS)	Fire Prot
HD	Detector, heat (but XTS preferred)	Fire Prot
XTS	Detector, Heat (XTS preferred)	Fire Prot
SMD	Detector, smoke	Fire Prot
HSSD	Detector, smoke, high sensitivity	Fire Prot
FDE	Door, fire, electrical	Fire Prot
FD	Door, fire, mechanical	Fire Prot
FDC	Door, fire, structural	Fire Prot
EXT	Extinguisher, fire	Fire Prot
XFC	Fill cup, sprinkler standpipe (funnel)	Fire Prot
FDC@	Fire department connection	Fire Prot

FSDC	Fire suppression dry chemical	Fire Prot
EXS	Fire suppression extinguishing system, gaseous or halon	Fire Prot
FSWC	Fire suppression wet chemical	Fire Prot
FSWF	Fire suppression wet foam	Fire Prot
FSWFA	Fire suppression wet foam preaction	Fire Prot
HYD	Hydrant	Fire Prot
	Inspector Test Valve -- see Valve, Inspector's Test	Fire Prot
NAA	Notification appliance, audio	Fire Prot
NAAV	Notification appliance, audio visual	Fire Prot
NAV	Notification appliance, visual	Fire Prot
FCP	Panel, control, fire	Fire Prot
HCP	Panel, control, halon	Fire Prot
XHS	Pull Station, Fire Alarm (TA-55 only, others use pull box--pbx)	Fire Prot
PFP	Pump, fire protection	Fire Prot
	Smoke detector (see Detector, smoke)	Fire Prot
SRNK	Sprinkler (head)	Fire Prot
SPF	Sprinkler, anti-freeze	Fire Prot
SPDEL	Sprinkler, deluge	Fire Prot
SPD	Sprinkler, dry pipe	Fire Prot
SPDA	Sprinkler, dry/preaction combined	Fire Prot
SPA	Sprinkler, preaction	Fire Prot
SPW	Sprinkler, wet pipe	Fire Prot
SPH	Standpipe	Fire Prot
SPHD	Standpipe, dry (manual)	Fire Prot
XZS	Switch, tamper (TA-55 only, others use switch, pos -- ZS)	Fire Prot
XVV	Valve, Air Vent	Fire Prot
XVAC	Valve, Alarm Check	Fire Prot
XVIT	Valve, inspector's test	Fire Prot
OSY	Valve, outside screw & yoke	Fire Prot
PIV	Valve, post indicating	Fire Prot
PIVA	Valve, post indicating, annunciated	Fire Prot

XWMG	Water Motor Gong (flow alarm)	Fire Prot
ALM	Alarm	I&C
RLT	Alarm, access, red-light	I&C
AA	Alarm, analyzer	I&C
ALC	Alarm, carbon monoxide	I&C
AGA	Alarm, combustible gas	I&C
CA@	Alarm, conductivity	I&C
IA	Alarm, current	I&C
PDA	Alarm, differential pressure	I&C
FA	Alarm, flow	I&C
LA	Alarm, level	I&C
MA	Alarm, moisture	I&C
OIA	Alarm, oxygen, indicating	I&C
JA	Alarm, power	I&C
PA	Alarm, pressure	I&C
RA	Alarm, radiation	I&C
XA	Alarm, special (incl. refrigerant monitors and fire alarms at TA-55)	I&C
SA	Alarm, speed	I&C
TA	Alarm, temperature	I&C
VA	Alarm, vibration	I&C
EA	Alarm, voltage	I&C
ZA	Alarm, zone or position	I&C
	Analysis element (see Primary element, analyzer)	I&C
OI	Analyzer, oxygen	I&C
ANN	Annunciator	I&C
	Beta or Beta/Gamma Detector (see Primary element, radiation)	I&C
	Burner Element (see Primary element, burner)	I&C
	Cathode ray tube (see Terminal...)	I&C
CPU	Central processing unit (computer)	I&C
CHAS	Chassis (including ethernet)	I&C
COMX	Communication, Special	I&C
CSM	Continuous Air Monitor (CAM) Supervisor Module	I&C
	Continuous Air Monitor (see Monitor, continuous air)	I&C

ACO	Control operator, analyzer	I&C
CCO	Control operator, conductivity	I&C
PDCO	Control operator, differential pressure	I&C
FCO	Control operator, flow	I&C
HCO	Control operator, hand	I&C
LCO	Control operator, level	I&C
PCO	Control operator, pressure	I&C
XCO	Control operator, special	I&C
SCO	Control operator, speed	I&C
TCO	Control operator, temperature	I&C
	Control panel -- see Panel, control	I&C
AIK	Control station, indicating, analyzer	I&C
BIK	Control station, indicating, burner	I&C
CIK	Control station, indicating, conductivity	I&C
IIK	Control station, indicating, current	I&C
PDIK	Control station, indicating, differential pressure	I&C
FIK	Control station, indicating, flow	I&C
MIK	Control station, indicating, moisture	I&C
JIK	Control station, indicating, power	I&C
XIK	Control station, indicating, special	I&C
SIK	Control station, indicating, speed	I&C
TIK	Control station, indicating, temperature	I&C
EIK	Control station, indicating, voltage	I&C
ARK	Control station, recording, analyzer	I&C
CRK	Control station, recording, conductivity	I&C
PDRK	Control station, recording, differential pressure	I&C
FRK	Control station, recording, flow	I&C

LRK	Control station, recording, level	I&C
XRK	Control station, recording, special	I&C
TRK	Control station, recording, temperature	I&C
AC	Control, analyzer	I&C
BC	Control, burner	I&C
CC	Control, conductivity	I&C
IC	Control, current	I&C
ZDC	Control, deviation	I&C
PDC	Control, differential pressure	I&C
TDC	Control, differential temperature	I&C
FC@	Control, flow	I&C
FFC	Control, flow, ratio	I&C
WDC	Control, force differential	I&C
HC	Control, hand	I&C
AIC	Control, indicating, analyzer	I&C
BIC	Control, indicating, burner	I&C
CIC	Control, indicating, conductivity	I&C
IIC	Control, indicating, current	I&C
ZDIC	Control, indicating, deviation	I&C
PDIC	Control, indicating, differential pressure	I&C
TDIC	Control, indicating, differential temperature	I&C
FIC	Control, indicating, flow	I&C
FFIC	Control, indicating, flow ratio	I&C
FQIC	Control, indicating, flow, quantity	I&C
WDIC	Control, indicating, force differential	I&C
HIC	Control, indicating, hand	I&C
LIC	Control, indicating, level	I&C
MIC	Control, indicating, moisture	I&C
JIC	Control, indicating, power	I&C
YIC	Control, indicating, presence or state	I&C
PIC	Control, indicating, pressure	I&C
QIC	Control, indicating, quantity	I&C
RIC	Control, indicating, radiation	I&C

XIC	Control, indicating, special	I&C
SIC	Control, indicating, speed	I&C
TIC	Control, indicating, temperature	I&C
KIC	Control, indicating, time	I&C
EIC	Control, indicating, voltage	I&C
WIC	Control, indicating, weight or force	I&C
ZIC	Control, indicating, zone or position	I&C
LC	Control, level	I&C
MC@	Control, moisture	I&C
JC	Control, power	I&C
YC	Control, presence or state	I&C
PC@	Control, pressure	I&C
RC	Control, radiation	I&C
ARC	Control, recording, analyzer	I&C
BRC	Control, recording, burner	I&C
CRC	Control, recording, conductivity	I&C
IRC	Control, recording, current	I&C
ZDRC	Control, recording, deviation	I&C
PDRC	Control, recording, differential pressure	I&C
TDRC	Control, recording, differential temperature	I&C
FRC	Control, recording, flow	I&C
FQRC	Control, recording, flow, quantity	I&C
FFRC	Control, recording, flow, ratio	I&C
WDRC	Control, recording, force differential	I&C
LRC	Control, recording, level	I&C
MRC	Control, recording, moisture	I&C
ZRC	Control, recording, position	I&C
JRC	Control, recording, power	I&C
PRC	Control, recording, pressure	I&C
QRC	Control, recording, quantity	I&C
RRC	Control, recording, radiation	I&C
XRC	Control, recording, special	I&C
SRC	Control, recording, speed	I&C
TRC@	Control, recording, temperature	I&C

KRC	Control, recording, time	I&C
ERC	Control, recording, voltage	I&C
WRC	Control, recording, weight or force	I&C
XC	Control, special	I&C
SC	Control, speed	I&C
TC@	Control, temperature	I&C
KC	Control, time	I&C
EC	Control, voltage	I&C
WC	Control, weight or force	I&C
ZC	Control, zone or position	I&C
CNTRLR	Controller (TA55 use only, others use specific kind)	I&C
CP	Controller, pneumatic (phasing out; note, CP=control panel at TA-55)	I&C
CPF	Controller, pneumatic, flow	I&C
PLC	Controller, programmable logic	I&C
CNV	Converter	I&C
CASD	Criticality Alarm Sys (CAS) Detector	I&C
CASR	Criticality Alarm Sys (CAS) Ratemeter	I&C
DAQ	Data Acquisition	I&C
	Detector, radiation (see Primary Element, radiation)	I&C
NCD	Device, network communication	I&C
ESS	Equipment, surveillance	I&C
AV	Final element, analyzer	I&C
BZ	Final element, burner	I&C
IZ	Final element, current	I&C
ZDV	Final element, deviation	I&C
PDV	Final element, differential pressure	I&C
TDV	Final element, differential temperature	I&C
FQV	Final element, flow, quantity	I&C
FV	Final element, flow, rate	I&C
FFV	Final element, flow, ratio	I&C
WDZ	Final element, force differential	I&C
HV@	Final element, hand	I&C

LV	Final element, level	I&C
UV	Final element, multivariable	I&C
ZV	Final element, position	I&C
JV	Final element, power	I&C
YZ	Final element, presence or state	I&C
PV@	Final element, pressure	I&C
QZ	Final element, quantity	I&C
RZ	Final element, radiation	I&C
SV@	Final element, speed	I&C
TV@	Final element, temperature	I&C
KV@	Final element, time	I&C
VZ	Final element, vibration analysis	I&C
EZ	Final element, voltage	I&C
WZ	Final element, weight or force	I&C
FAS	Fixed Head Air Sampler	I&C
FLASHR	Flasher	I&C
	Fusible Link (see Safety device, temperature)	I&C
AI	Indicator, analyzer	I&C
BI	Indicator, burner	I&C
CI	Indicator, conductivity	I&C
II	Indicator, current	I&C
ZDI	Indicator, deviation	I&C
TDI	Indicator, differential temperature	I&C
FI	Indicator, flow	I&C
FFI	Indicator, flow, ratio	I&C
FQI	Indicator, flow, totalized	I&C
WDI	Indicator, force differential	I&C
GI	Indicator, ground	I&C
LI	Indicator, level	I&C
MI	Indicator, moisture	I&C
UI	Indicator, multivariable	I&C
PHI	Indicator, pH	I&C
JI	Indicator, power	I&C
YI	Indicator, presence or state	I&C
PI	Indicator, pressure	I&C
PDI	Indicator, pressure differential	I&C
QI	Indicator, quantity	I&C
RI	Indicator, radiation	I&C

XI	Indicator, special	I&C
SI	Indicator, speed	I&C
TI	Indicator, temperature	I&C
KI	Indicator, time	I&C
KQI	Indicator, time, totalized	I&C
VI	Indicator, vibration	I&C
EI	Indicator, voltage	I&C
WI	Indicator, weight or force	I&C
ZI	Indicator, zone or position	I&C
ICOM	Intercom	I&C
LIL	Interlock, laser	I&C
KYBD	Keyboard	I&C
HL	Light, hand	I&C
MTR	Meter (generic)	I&C
MHT	Meter, humidity or temperature	I&C
MW	Meter, water	I&C
MIKE	Microphone	I&C
AM	Modifier, analyzer	I&C
CM@	Modifier, conductivity	I&C
IM	Modifier, current	I&C
PDM	Modifier, differential pressure	I&C
TDM	Modifier, differential temperature	I&C
FM	Modifier, flow	I&C
FFM	Modifier, flow, ratio	I&C
FQM	Modifier, flow, totalizer	I&C
PIM	Modifier, indicating, pressure	I&C
LM	Modifier, level	I&C
MM@	Modifier, moisture	I&C
JM	Modifier, power	I&C
PM	Modifier, pressure	I&C
RM	Modifier, radiation	I&C
XM	Modifier, special	I&C
SM	Modifier, speed	I&C
TM	Modifier, temperature	I&C
VM@	Modifier, vibration	I&C
EM	Modifier, voltage	I&C
WM	Modifier, weight or force	I&C
ZM	Modifier, zone or position	I&C
MON	Monitor	I&C
CAM	Monitor, continuous air	I&C

	Monitor, continuous air-supervisor module (see CAM supervisor module)	I&C
MUX	Multiplexer	I&C
PL and PNL	Panel (TA-55 legacy; use specific where possible)	I&C
CPL	Panel, control	I&C
CP	Panel, control (TA55 only; others use CPL)	I&C
JX	Power supply, electric	I&C
AE	Primary element, analyzer	I&C
BE	Primary element, burner	I&C
CE	Primary element, conductivity	I&C
IE	Primary element, current	I&C
ZDE	Primary element, deviation	I&C
PDE	Primary element, differential pressure	I&C
FE@	Primary element, flow	I&C
FQE	Primary element, flow, quantity	I&C
WDE	Primary element, force differential	I&C
LE	Primary element, level	I&C
ME	Primary element, moisture	I&C
PHE	Primary element, pH	I&C
JE	Primary element, power	I&C
PE@	Primary element, pressure	I&C
RE	Primary element, radiation (beta, beta/gamma, etc.)	I&C
QE	Primary element, quantity	I&C
SESE	Primary element, seismic	I&C
XE	Primary element, special	I&C
SE	Primary element, speed	I&C
TE	Primary element, temperature (e.g., T/C, TC, TCP, thermocouple, thermistor)	I&C
KE	Primary element, time	I&C
VE	Primary element, vibration	I&C
EE@	Primary element, voltage	I&C
WRE	Primary element, wear	I&C
WE	Primary element, weight or force	I&C
ZE	Primary element, zone or position	I&C

PRNT	Printer or plotter	I&C
RDR	Reader	I&C
AR	Recorder, analyzer	I&C
BR	Recorder, burner	I&C
CR@	Recorder, conductivity	I&C
IR	Recorder, current	I&C
ZDR	Recorder, deviation	I&C
PDR	Recorder, differential pressure	I&C
TDR	Recorder, differential temperature	I&C
FR	Recorder, flow	I&C
FFR	Recorder, flow, ratio	I&C
FQR	Recorder, flow, totalized	I&C
WDR	Recorder, force differential	I&C
AIR	Recorder, indicating, analyzer	I&C
LR	Recorder, level	I&C
MR	Recorder, moisture	I&C
UR	Recorder, multivariable	I&C
ZR	Recorder, position	I&C
JR	Recorder, power	I&C
JQR	Recorder, power, totalizing (incl watt-hr mtr)	I&C
YR	Recorder, presence or state	I&C
PR@	Recorder, pressure	I&C
QR	Recorder, quantity	I&C
RR	Recorder, radiation	I&C
SESR	Recorder, seismic	I&C
XR	Recorder, special	I&C
SR	Recorder, speed	I&C
TR	Recorder, temperature	I&C
KR	Recorder, time	I&C
VR	Recorder, vibration	I&C
ER	Recorder, voltage	I&C
WR	Recorder, weight or force	I&C
AY	Relay, analyzer	I&C
BY	Relay, burner	I&C
IY	Relay, current	I&C
ZDY	Relay, deviation	I&C
PDY	Relay, differential pressure	I&C
TDY	Relay, differential temperature	I&C

FQY	Relay, flow, quantity	I&C
FY	Relay, flow, rate	I&C
WDY	Relay, force differential	I&C
LY	Relay, level	I&C
UY	Relay, multivariable	I&C
ZY	Relay, position	I&C
JY	Relay, power	I&C
YY	Relay, presence or state	I&C
PY	Relay, pressure	I&C
QY	Relay, quantity	I&C
RY	Relay, radiation	I&C
SY	Relay, speed	I&C
TY	Relay, temperature	I&C
KY	Relay, time	I&C
VY	Relay, vibration analysis	I&C
EY	Relay, voltage	I&C
WY	Relay, weight or force	I&C
IOM	Remote I/O Adaptor Module	I&C
RTU	Remote terminal unit	I&C
	Sampler, Fixed Head Air (see Fixed Head Air Sampler, FAS)	I&C
SNSR	Sensor, generic (use specific element where possible)	I&C
BG	Sight glass, burner	I&C
FG	Sight glass, flow	I&C
LG	Sight glass, level	I&C
S	Siren	I&C
AS	Switch, analyzer	I&C
ASH	Switch, analyzer, high	I&C
ASHL	Switch, analyzer, high or low	I&C
ASL	Switch, analyzer, low	I&C
BSH	Switch, burner, high	I&C
BSHL	Switch, burner, high low	I&C
BSL	Switch, burner, low	I&C
CS@	Switch, conductivity	I&C
IS	Switch, current	I&C
ISH	Switch, current, high	I&C
ISHL	Switch, current, high or low	I&C
ISL	Switch, current, low	I&C
ZDSH	Switch, deviation, high	I&C
ZDSL	Switch, deviation, low	I&C

FS@	Switch, flow	I&C
FSW	Switch, flow (TA-55, not preferred)	I&C
FSH	Switch, flow, high	I&C
FSHL	Switch, flow, high or low	I&C
FSL	Switch, flow, low	I&C
FQSH	Switch, flow, quantity, high	I&C
FQSL	Switch, flow, quantity, low	I&C
FFS	Switch, flow, ratio	I&C
FFSH	Switch, flow, ratio, high	I&C
FFSL	Switch, flow, ratio, low	I&C
FQS	Switch, flow, totalized	I&C
WDSH	Switch, force differential, high	I&C
WDSL	Switch, force differential, low	I&C
SW	Switch, generic (use specific where possible)	I&C
HS	Switch, hand (single throw or push button; for selectors use hand-off-auto HOA)	I&C
HOA	Switch, hand off auto or selector	I&C
AIS	Switch, indicating, analyzer	I&C
CIS	Switch, indicating, conductivity	I&C
IIS	Switch, indicating, current	I&C
FIS	Switch, indicating, flow	I&C
HIS	Switch, indicating, hand	I&C
LIS	Switch, indicating, level	I&C
MIS	Switch, indicating, moisture	I&C
PIS	Switch, indicating, pressure	I&C
PDIS	Switch, indicating, pressure differential	I&C
PDISH	Switch, indicating, pressure differential, high	I&C
PDISL	Switch, indicating, pressure differential, low	I&C
RIS	Switch, indicating, radiation	I&C
XIS	Switch, indicating, special	I&C
SIS	Switch, indicating, speed	I&C
TIS	Switch, indicating, temperature	I&C
KIS	Switch, indicating, time	I&C
FQIS	Switch, indicating, totalizing, flow	I&C

VIS	Switch, indicating, vibration	I&C
EIS	Switch, indicating, voltage	I&C
WIS	Switch, indicating, weight or force	I&C
ZIS	Switch, indicating, zone or position	I&C
LS	Switch, level	I&C
LSH	Switch, level, high	I&C
LSHL	Switch, level, high or low	I&C
LSL	Switch, level, low	I&C
MS@	Switch, moisture	I&C
ZS	Switch, position (limit, including tamper or supervisory or supervised)	I&C
ZSC	Switch, position (limit), closed (ZSO if open)	I&C
ZSH	Switch, position, high	I&C
ZSHL	Switch, position, high or low	I&C
ZSL	Switch, position, low	I&C
JS	Switch, power	I&C
JSH	Switch, power, high	I&C
JSHL	Switch, power, high or low	I&C
JSL	Switch, power, low	I&C
YSH	Switch, presence or state, high	I&C
YSL	Switch, presence or state, low	I&C
PS@	Switch, pressure	I&C
PDS	Switch, pressure differential	I&C
PDSH	Switch, pressure differential, high	I&C
PDSL	Switch, pressure differential, low	I&C
PSH	Switch, pressure, high	I&C
PSHL	Switch, pressure, high or low	I&C
PSL	Switch, pressure, low	I&C
QSH	Switch, quantity, high	I&C
QSHL	Switch, quantity, high or low	I&C
QSL	Switch, quantity, low	I&C
RSH	Switch, radiation, high	I&C
RSHL	Switch, radiation, high or low	I&C
RSL	Switch, radiation, low	I&C
TRS@	Switch, recording,	I&C

	temperature	
SS	Switch, speed	I&C
SSH	Switch, speed, high	I&C
SSHL	Switch, speed, high or low	I&C
SSL	Switch, speed, low	I&C
TS@	Switch, temperature	I&C
TDS	Switch, temperature differential	I&C
TDSH	Switch, temperature differential, high	I&C
TDSL	Switch, temperature differential, low	I&C
TSH	Switch, temperature, high	I&C
TSHL	Switch, temperature, high or low	I&C
TSL	Switch, temperature, low	I&C
KSH	Switch, time, high	I&C
KSHL	Switch, time, high or low	I&C
KSL	Switch, time, low	I&C
KS	Switch, timer	I&C
AIT	Switch, transmitting, indicating, analyzer	I&C
VS	Switch, vibration	I&C
VSH	Switch, vibration, high	I&C
VSHL	Switch, vibration, high or low	I&C
VSL	Switch, vibration, low	I&C
ESH	Switch, voltage, high	I&C
ESHL	Switch, voltage, high or low	I&C
ESL	Switch, voltage, low	I&C
WSH	Switch, weight or force, high	I&C
WSHL	Switch, weight or force, high or low	I&C
WSL	Switch, weight or force, low	I&C
SYN	Synchroscope	I&C
CRT	Terminal or screen, cathode ray tube or solid state	I&C
TBLK	Terminal block	I&C
AP	Test point or port, analyzer	I&C
BP	Test point or port, burner	I&C
FP@	Test point or port, flow	I&C
PP@	Test point or port, pressure	I&C
TP	Test point or port, temperature	I&C

	Thermocouple (see Primary element, temperature)	I&C
TH	Thermostat	I&C
IQ	Totalizer, current	I&C
FQ	Totalizer, flow	I&C
JWHQ	Totalizer, power, watt-hour	I&C
KQ	Totalizer, time	I&C
EQ	Totalizer, voltage	I&C
AT	Transmitter, analyzer	I&C
BT	Transmitter, burner	I&C
CT	Transmitter, conductivity	I&C
IT	Transmitter, current	I&C
ZDT	Transmitter, deviation	I&C
PDT	Transmitter, differential pressure	I&C
TDT	Transmitter, differential temperature	I&C
FT	Transmitter, flow	I&C
FFT	Transmitter, flow, ratio	I&C
FQT	Transmitter, flow, totalizer	I&C
WDT	Transmitter, force differential	I&C
AIT	Transmitter, indicating, analyzer	I&C
BIT	Transmitter, indicating, burner	I&C
CIT	Transmitter, indicating, conductivity	I&C
IIT	Transmitter, indicating, current	I&C
ZDIT	Transmitter, indicating, deviation	I&C
PDIT	Transmitter, indicating, differential pressure	I&C
TDIT	Transmitter, indicating, differential temperature	I&C
FIT	Transmitter, indicating, flow	I&C
FQIT	Transmitter, indicating, flow, quantity	I&C
WDIT	Transmitter, indicating, force differential	I&C
LIT	Transmitter, indicating, level	I&C
MIT	Transmitter, indicating, moisture	I&C
ZIT	Transmitter, indicating,	I&C

	position	
JIT	Transmitter, indicating, power	I&C
PIT	Transmitter, indicating, pressure	I&C
QIT	Transmitter, indicating, quantity	I&C
RIT	Transmitter, indicating, radiation	I&C
XIT	Transmitter, indicating, special	I&C
SIT	Transmitter, indicating, speed	I&C
TIT	Transmitter, indicating, temperature	I&C
KIT	Transmitter, indicating, time	I&C
VIT	Transmitter, indicating, vibration	I&C
EIT	Transmitter, indicating, voltage	I&C
WIT	Transmitter, indicating, weight or force	I&C
LT	Transmitter, level	I&C
MT	Transmitter, moisture	I&C
JT	Transmitter, power	I&C
JWHT	Transmitter, power, watt-hour	I&C
YT	Transmitter, presence or state	I&C
PT	Transmitter, pressure	I&C
QT	Transmitter, quantity	I&C
RT	Transmitter, radiation	I&C
ART	Transmitter, recording, analyzer	I&C
BRT	Transmitter, recording, burner	I&C
IRT	Transmitter, recording, current	I&C
ZDRT	Transmitter, recording, deviation	I&C
PDRT	Transmitter, recording, differential pressure	I&C
TDRT	Transmitter, recording, differential temperature	I&C
FRT	Transmitter, recording, flow	I&C
WDRT	Transmitter, recording, force differential	I&C
LRT	Transmitter, recording, level	I&C

ZRT	Transmitter, recording, position	I&C
JRT	Transmitter, recording, power	I&C
PRT	Transmitter, recording, pressure	I&C
QRT	Transmitter, recording, quantity	I&C
RRT	Transmitter, recording, radiation	I&C
SRT	Transmitter, recording, speed	I&C
TRT	Transmitter, recording, temperature	I&C
KRT	Transmitter, recording, time	I&C
VRT	Transmitter, recording, vibration analysis	I&C
ERT	Transmitter, recording, voltage	I&C
WRT	Transmitter, recording, weight or force	I&C
XT	Transmitter, special	I&C
ST@	Transmitter, speed	I&C
TT	Transmitter, temperature	I&C
KT	Transmitter, time	I&C
KQT	Transmitter, time, totalized	I&C
VT	Transmitter, vibration	I&C
ET	Transmitter, voltage	I&C
WT	Transmitter, weight or force	I&C
ZT	Transmitter, zone or position	I&C
AW	Well, analyzer	I&C
BW	Well, burner	I&C
LW	Well, level	I&C
RW	Well, radiation	I&C
TW	Well, thermal (thermowell)	I&C
BAL	Balance	M&TE
CTPERM	Counter, permanent	M&TE
CTPORT	Counter, portable	M&TE
EG	Electro corrector, gas	M&TE
TSTEQ	Equipment, Test (only when no specific applies)	M&TE
GXT	Leak detector or tester	M&TE
LDC	Load cell	M&TE
SPEC	Mass Spectrometer or other	M&TE
MMO	Meter, megohm	M&TE

MMD	Meter, multimeter, digital	M&TE
MPH	Meter, pH	M&TE
TQS	Screwdriver, torque	M&TE
CBT	Test set, relay, overload, and or circuit breaker	M&TE
GX	Tester, balance	M&TE
	Tester, gas (see Leak tester)	M&TE
TQT	Tester, torque	M&TE
TQW	Wrench, torque	M&TE
XRAY	X-ray (security or process)	M&TE
ACTR	Actuator	Mech
ACL	After cooler	Mech
AGT	Agitator	Mech
ACR	Air conditioner, refrigerant	Mech
ASE	Air sampler, exhaust stack	Mech
AES	Air-ejector, steam	Mech
ASSY	Assembly	Mech
ATT	Attenuator – sound, etc.	Mech
BFP	Backflow preventer	Mech
BL	Blower	Mech
BV	Blower, vacuum	Mech
BHW	Boiler, hot water	Mech
BS	Boiler, steam	Mech
BWS	Boiler, water supply	Mech
NGN	Bottle, nitrogen	Mech
	Box, glove (see glovebox)	Mech
	Box, introductory/exchange (see glovebox, intr...)	Mech
	Breathing air station (see Station, breathing air)	Mech
CWA	Chiller, water, absorption	Mech
CWE	Chiller, water, evaporative	Mech
CWR	Chiller, water, refrigerant	Mech
CO	Cleanout	Mech
CCL	Coil, cooling	Mech
CCE	Coil, cooling, evaporative	Mech
CCG	Coil, cooling, glycol	Mech
HCL	Coil, heating	Mech
COL	Collector (e.g., drip or catch pan)	Mech
CW	Column, water	Mech
COMPR	Compressor	Mech

CA	Compressor, air	Mech
CR	Compressor, refrigerant	Mech
CRAC	Computer room air conditioner	Mech
CRU	Condensate recovery unit	Mech
CRA	Condenser, refrigerant, air-cooled	Mech
CRE	Condenser, refrigerant, evaporative	Mech
CTE	Condenser, turbine exhaust	Mech
CONN	Connector or coupling	Mech
CVVR	Conveyor (belt, auger, etc.)	Mech
CAE	Cooler, air, evaporative	Mech
CAW	Cooler, air, water	Mech
WCR	Cooler, water (including drinking fountains)	Mech
CYL	Cylinder	Mech
DMP	Damper	Mech
DHM	Dehumidifier	Mech
DMN	Demineralizer	Mech
DSH	Desuperheater	Mech
DEWAR	Dewar	Mech
DAB	Diffuser, aeration basin	Mech
MDS	Disinfection system, mixed-oxidant	Mech
DRN	Drain	Mech
FD	Drain, floor	Mech
	Drinking Fountain (see cooler, water)	Mech
DFL	Drive, fluid	Mech
DB	Drop Box (TA55 only. DB normally bus duct)	Mech
DAD	Dryer, air, desiccant	Mech
DAR	Dryer, air, refrigerant	Mech
DUCT	Duct	Mech
	Enclosure -- see fume hood	Mech
ENG	Engine	Mech
EXPJT	Expansion joint (piping, bridge)	Mech
EW	Eyewash	Mech
FAN	Fan	Mech
FCU	Fan coil unit	Mech
FB	Fan, booster	Mech

FC	Fan, circulating	Mech
FCD	Fan, condenser	Mech
FCT	Fan, cooling tower	Mech
FE	Fan, exhaust	Mech
FEH	Fan, exhaust, fume hood	Mech
FRA	Fan, return or recirculation	Mech
FS	Fan, supply	Mech
FLT	Filter (water etc.)	Mech
	Filter frame (see Frame, filter)	Mech
FAB	Filter, air, bag or box	Mech
FAL	Filter, air, charcoal	Mech
FAC	Filter, air, cleanable	Mech
FES	Filter, air, electrostatic	Mech
FAF	Filter, air, fire	Mech
FAH	Filter, air, HEPA	Mech
FAM	Filter, air, mat	Mech
FAP	Filter, air, pad	Mech
FAR	Filter, air, roughing	Mech
FO	Filter, oil	Mech
FRL	Filter, roll	Mech
FF	Frame, Filter	Mech
FH	Fume hood (but use XB when leading to a GB)	Mech
	Fume hood exhaust (see fan, exhaust, hood)	Mech
FGF	Furnace, gas fired	Mech
GRBX	Gearbox	Mech
GB	Glovebox	Mech
XB	Glovebox, introductory/exchange (fume hd leading to GB)	Mech
GRD	Grille, register, diffuser, or louver (HVAC)	Mech
HX	Heat exchanger	Mech
HXG	Heat exchanger, glycol	Mech
HXO	Heat exchanger, oil	Mech
HXR	Heat exchanger, refrigerant	Mech
HXS	Heat exchanger, steam	Mech
HXW	Heat exchanger, water	Mech
HUE	Heater unit, air, electric	Mech
HUG	Heater unit, air, gas	Mech
HUI	Heater unit, air, infrared	Mech
HUS	Heater unit, air, steam	Mech

HSE	Heater unit, air, steam-electric	Mech
HUW	Heater unit, air, water	Mech
HDA	Heater, deaerating	Mech
HDG	Heater, duct, gas	Mech
HFH	Heater, feed water, high-pressure	Mech
HFI	Heater, feed water, intermediate-pressure	Mech
HFL	Heater, feed water, low-pressure	Mech
HWE	Heater, water, electric	Mech
HWG	Heater, water, gas	Mech
HWS	Heater, water, steam	Mech
HVA	Heating ventilation air conditioning unit (furnace or heat pump w/ heat and cool; heat only see Furnace; cool only see ACR; fan/coil only see FCU)	Mech
HVP	Heating Ventilation Plenum Frame (has coils; otherwise use frame, filter)	Mech
HV	Heating ventilation unit (see also Furnace)	Mech
	Hood, fume -- see fume hood	Mech
PSX	Hose	Mech
	Hot water heater, potable (see Heater, hot water)	Mech
HAS	Humidifier, air, steam	Mech
HAW	Humidifier, air, water	Mech
HYDSYS	Hydraulic System	Mech
INCLR	Intercooler	Mech
LB	Isolator, level	Mech
JCP	Jet, condenser, priming	Mech
PLTLT	Light, pilot	Mech
LUV	Light, ultraviolet (e.g., UV sterilization)	Mech
LVCCWU	Limited volume circulation chilled water unit	Mech
MACH	Machine	Mech
MANF	Manifold	Mech
MGD	Meter, gas, district	Mech
MGR	Meter, gas, revenue	Mech

MC	Mixer, chemical	Mech
MUF	Muffler	Mech
NZL	Nozzle	Mech
OPG	Orifice plate, gas (RO preferred)	Mech
RO	Orifice, restricting	Mech
	Pilot light (see Light, pilot)	Mech
PIPE	Pipe or piping	Mech
HPU	Power unit, hydraulic	Mech
P	Pump	Mech
PAC	Pump, acid or chemical	Mech
PBF	Pump, boiler feed	Mech
PCW	Pump, chilled or cooling water	Mech
PCR	Pump, circulating	Mech
PC	Pump, condensate	Mech
PCT	Pump, cooling tower	Mech
PDW	Pump, deionized water	Mech
PFO	Pump, fuel oil	Mech
PG	Pump, glycol	Mech
PHW	Pump, hot water	Mech
PDH	Pump, hot water, domestic (potable)	Mech
PHO	Pump, hydraulic	Mech
PO	Pump, oil	Mech
PPB	Pump, pressure, boosting	Mech
PSA	Pump, sampler air	Mech
PSW	Pump, sealant water	Mech
PSR	Pump, sewage, raw	Mech
PS	Pump, sump	Mech
PTW	Pump, tempered water	Mech
PV	Pump, vacuum	Mech
PWT	Pump, waste treatment	Mech
PWS	Pump, water spray	Mech
RUA	Refrigeration unit, air (outdoor, condensing coil)	Mech
REG	Regulator, gas bottle	Mech
DGRS	Regulator, gas, district	Mech
NGRS	Regulator, natural gas	Mech
RPG	Regulator, pressure, gas	Mech
RPW	Regulator, pressure, water	Mech
ROU	Reverse osmosis unit	Mech

RPD	Rupture disk or disc	Mech
PSE	Safety device, pressure (rupture disk) RPD preferred	Mech
TSE	Safety device, temperature (fusible link)	Mech
SB	Screen, bar, mechanical	Mech
SCBA	Scrubber	Mech
SF	Scrubber, fume	Mech
SCBA	Self Contained Breathing Apparatus	Mech
SO	Separator, oil	Mech
SHD	Shower, decontamination	Mech
SHS	Shower, safety	Mech
SNK	Sink	Mech
SLW	Slinger, water spray	Mech
ES	Stack, exhaust	Mech
STA	Station (except breathing air)	Mech
BAS	Station, breathing air	Mech
	Sterilizer, UV (see Light, UV)	Mech
SCR	Strainer	Mech
MCSUPP	Support Mechanism (e.g., HVAC seismic restraint)	Mech
SPRT	Support or Stand (GB, etc.)	Mech
TBL	Table	Mech
TK	Tank	Mech
TAC	Tank, acid or chemical	Mech
TCI	Tank, chemical injection	Mech
TCA	Tank, compressed air	Mech
TCF	Tank, condensate, flash	Mech
TCS	Tank, condensate, steam	Mech
TCW	Tank, condensate, water	Mech
TX	Tank, expansion	Mech
TG	Tank, glycol	Mech
THP	Tank, hydraulic pressure	Mech
TO	Tank, oil	Mech
TPWS	Tank, potable water, storage	Mech
TRC	Tank, refrigerant	Mech
TRS	Tank, retention or storage	Mech
TSA	Tank, separator, air	Mech
TV	Tank, vacuum	Mech
TWT	Tank, waste treatment	Mech
TWC	Tank, water, chilled or cooling	Mech

TWD	Tank, water, deionized or demineralized	Mech
TWH	Tank, water, hot	Mech
TWS	Tank, water, sealant	Mech
TC	Tower, cooling	Mech
TRP	Trap	Mech
GT	Trap, grease	Mech
TS	Trap, steam	Mech
TRLY	Trolley	Mech
TRLYT	Trolley Tunnel	Mech
TBTRLS	Tube trailer station	Mech
TURB	Turbine (including gas-driven power turbines)	Mech
TSD	Turbine, steam driven	Mech
V	Valve	Mech
AOV	Valve, air operated (TA-55 only, others use Valve, solenoid - SOV)	Mech
AOBV	Valve, ball, air-operated	Mech
BVT	Valve, ball, trunion	Mech
VB	Valve, block	Mech
VBH	Valve, block, hydrant	Mech
VBW	Valve, block, water	Mech
VBG	Valve, burner, gas	Mech
VBO	Valve, burner, oil	Mech
VC	Valve, check (historical)	Mech
CV	Valve, check (preferred)	Mech
ZDCV	Valve, control, deviation	Mech
PDCV	Valve, control, differential pressure	Mech
TDCV	Valve, control, differential temperature	Mech
FCV	Valve, control, flow	Mech
WCV	Valve, control, force	Mech
WDCV	Valve, control, force differential	Mech
FICV	Valve, control, indicating, flow	Mech
LCV	Valve, control, level	Mech
PCV	Valve, control, pressure	Mech
SCV	Valve, control, speed	Mech
TCV	Valve, control, temperature	Mech
KCV	Valve, control, timed	Mech
ZCV	Valve, control, zone or	Mech

	position	
VABG	Valve, gate, aeration basin	Mech
VEQG	Valve, gate, equalization basin	Mech
KV	Valve, key, natural gas	Mech
MS	Valve, main steam	Mech
VM	Valve, motor-operated (an MOV)	Mech
	Valve, pressure control (see Valve, control, pressure)	Mech
VPR	Valve, pressure reducing	Mech
PRV	Valve, pressure relief (liquid), preferred acro for all RVs	Mech
PSV	Valve, pressure safety (steam-air-gas service) see PRV	Mech
RVS	Valve, regulator, steam	Mech
SOV	Valve, solenoid	Mech
VAV	Variable Air Volume box	Mech
VENT	Vent	Mech
VP	Vessel, pressure	Mech
VIBI	Vibration isolator	Mech
WA	Washer, air	Mech
DWS	Water softener	Mech
DNZ	Water unit, deionized	Mech
COND	Condenser	Mech/Processes
BATCH	Batch plant (asphalt, concrete, etc.)	Mobile Eq
CRANE	Crane, mobile or fixed (use specific type where possible)	Mobile Eq
	Earth (Snow) Moving Equipment (see Loader)	Mobile Eq
HVYEQ	Equipment, Heavy	Mobile Eq
FRKLFT	Forklift	Mobile Eq
LME	Lift, materials, electric	Mobile Eq
LMH	Lift, materials, hydraulic	Mobile Eq
LMM	Lift, materials, mobile	Mobile Eq
LMP	Lift, materials, pneumatic	Mobile Eq
LPE	Lift, personnel, electric	Mobile Eq
LPG	Lift, personnel, gasoline	Mobile Eq
LPH	Lift, personnel, hydraulic	Mobile Eq
LPP	Lift, personnel, pneumatic	Mobile Eq

LEP	Lift, platform, electric	Mobile Eq
LDR	Loader or similar earth-mover	Mobile Eq
TOILET	Toilet	Mobile Eq
TRCTR	Tractor	Mobile Eq
TRLR	Trailer (if office, use BLDG)	Mobile Eq
TRUCK	Truck (pickup, flatbed, semi etc.)	Mobile Eq
SWB	Box, standard waste	Process
CAMERA	Camera	Process
CHAMB	Chamber	Process
CONT	Container	Process
CRUC	Crucible	Process
DMST	Demister	Process
DIF	Diffuser	Process
	Dri-Train (see Dryer, catalyst)	Process
DT	Drum Tumbler	Process
110GAL	Drum, 110 gallon	Process
55GAL	Drum, 55 gallon	Process
85GAL	Drum, 85 gallon	Process
DDT	Dryer, catalyst (e.g., Dri-Train)	Process
EVP	Evaporator	Process
FXTR	Fixture	Process
	Furnace, electric (see Oven)	Process
GC	Gas chromatograph	Process
HTR	Heater (e.g., electric element)	Process
HTPLT	Hot Plate	Process
IGNTR	Igniter	Process
LCHR	Launcher	Process
OVEN	Oven or electric furnace	Process
PPTT	Pipette	Process
PLT	Plate	Process
RFIHD	Radio frequency inductively heated device	Process
REAC	Reactor	Process
RGA	Residual Gas Analyzer	Process
RESN	Resin	Process
RMHND	Robotic Material Handler, manipulator, master-slave	Process
SAFE	Safe	Process
SAMP	Sample Port or sampler	Process
SEAL	Seal or sealing containment ring	Process

SEP	Separator	Process
SHRDR	Shredder	Process
USC	Ultrasonic cleaner or bath	Process
CIP	Panel, camera interface	Security
RAP	Panel, remote access	Security
STRIKE	Strike, door (e.g., electric; some legacy use of DS, but use STRIKE)	Security
BMS	Switch, magnetic, balanced (e.g., door)	Security
AFP	Argus Field Panel	Security
FTB	Field termination box	Security
CD	Collector, dust	Shop
GRB	Grinder, belt	Shop
GRP	Grinder, pedestal	Shop
GRS	Grinder, surface	Shop
LAT	Lathe	Shop
LMF	Lock, metal former	Shop
	Machine, milling (see Milling machine)	Shop
MNC	Mill, numeric control	Shop
MM	Milling machine	Shop
DP	Press, drill	Shop
PH	Press, hydraulic	Shop
RMF	Roller, metal forming	Shop
SBL	Sand blaster	Shop
SD	Sander	Shop
SAW	Saw	Shop
SG	Shaker, graphite	Shop
SMC	Shear, metal cutting	Shop
TOOL	Tool or tooling	Shop
EWM	Welder, electric	Shop