

LANL ESM Chapter 1 Section 230
Equipment and Component IDs
Att 1 ID-Sort Print-File
7/30/2015

ID	Equipment/Component Name (Sort)	Primary Discipline
1	Master Element	EI Util Dwgs
10	Switch, Unit Sequence	EI Util Dwgs
110GAL	Drum, 110 gallon	Process
12	Device, Overspeed	EI Util Dwgs
13	Device, Synchronous Speed	EI Util Dwgs
14	Device, Underspeed	EI Util Dwgs
15	Device, Speed or Frequency Matching	EI Util Dwgs
17	Switch, shunting or discharge	EI Util Dwgs
18A	Device, Accelerating	EI Util Dwgs
18D	Device, Decelerating	EI Util Dwgs
19	Contactor, Starting-To-Running Transition	EI Util Dwgs
2	Relay, Time-Delay Starting or Closing	EI Util Dwgs
20	Valve, electrically operated	EI Util Dwgs
21	Relay, Distance	EI Util Dwgs
22	Circuit Breaker, Equalizer	EI Util Dwgs
23	Device, Temperature Control	EI Util Dwgs
24	Relay, Static Breaker Failure	EI Util Dwgs
25	Synchronizing or Synchronism-Check Drive	EI Util Dwgs
26	Device, Apparatus Thermal	EI Util Dwgs
27	Relay, Undervoltage	EI Util Dwgs
28	Detector, Flame (e.g., boiler)	EI Util Dwgs
29	Contactor, Isolating	EI Util Dwgs
3	Relay, Checking or Interlocking	EI Util Dwgs
30	Relay, Annunciator	EI Util Dwgs
31	Device, Separate Excitation	EI Util Dwgs
32	Relay, Directional Power	EI Util Dwgs
33	Switch, position (HV)	EI Util Dwgs
34	Device, Master Sequence	EI Util Dwgs
35	Device, Brush-Operating or Slip-Ring Short Circuiting	EI Util Dwgs
36	Device, Polarity or Polarizing Voltage	EI Util Dwgs
37	Relay, Undercurrent or	EI Util Dwgs

	Underpower	
38	Device, Bearing Protective	EI Util Dwgs
39	Monitor, mechanical, condition	EI Util Dwgs
4	Contactor, Master	EI Util Dwgs
40	Relay, Field	EI Util Dwgs
41	Circuit Breaker, Field	EI Util Dwgs
42	Circuit Breaker, Running	EI Util Dwgs
43	Device, Manual Trans/Select	EI Util Dwgs
44	Relay, Unit Sequence Starting	EI Util Dwgs
45	Monitor, atmospheric condition	EI Util Dwgs
46	Relay, Phase-Balance Current or Reverse-Phase	EI Util Dwgs
47	Relay, Phase-Sequence Voltage	EI Util Dwgs
48	Relay, Incomplete Sequence	EI Util Dwgs
49	Relay, Machine or Transformer Thermal	EI Util Dwgs
5	Device, Stopping	EI Util Dwgs
50	Relay, Instantaneous Overcurrent (OC)	EI Util Dwgs
51	Relay, AC Time Overcurrent	EI Util Dwgs
52	Circuit breaker, AC	EI Util Dwgs
53	Relay, Exciter or DC Generator	EI Util Dwgs
55	Relay, Power Factor	EI Util Dwgs
55GAL	Drum, 55 gallon	Process
56	Relay, Field Application	EI Util Dwgs
57	Device, Short-Circuiting or Grounding	EI Util Dwgs
58	Relay, Rectifier Failure	EI Util Dwgs
59	Relay, Overvoltage	EI Util Dwgs
6	Circuit Breaker, Starting	EI Util Dwgs
60	Relay, Voltage or Current Balance	EI Util Dwgs
61	Relay, Current Balance	EI Util Dwgs
62	Relay, Time-Delay Starting or Closing	EI Util Dwgs
63	Switch, pressure (HV)	EI Util Dwgs
64	Relay, Ground Detector (Not CT Secondary)	EI Util Dwgs
65	Governor	EI Util Dwgs
66	Device, Notching or Jogging	EI Util Dwgs
67	Relay, AC Directional Overcurrent	EI Util Dwgs

68	Relay, Blocking	EI Util Dwgs
69	Control Device, Permissive	EI Util Dwgs
7	Circuit Breaker, Anode	EI Util Dwgs
70	Rheostat	EI Util Dwgs
71	Switch, level	EI Util Dwgs
72	Circuit Breaker, DC	EI Util Dwgs
73	Contactor, Load-Resistor	EI Util Dwgs
74	Relay, Alarm	EI Util Dwgs
75	Mechanism, Position Changing	EI Util Dwgs
76	Relay, DC Overcurrent	EI Util Dwgs
77	Transmitter, Pulse	EI Util Dwgs
78	Relay, Out-of-Step Protective Phase-Angle Measuring	EI Util Dwgs
79	Relay, AC Reclosing	EI Util Dwgs
8	Device, Control Power Disconnecting	EI Util Dwgs
80	Switch, flow	EI Util Dwgs
81	Relay, Frequency	EI Util Dwgs
82	Relay, DC Reclosing	EI Util Dwgs
83	Relay, Automatic Selective Control or Transfer	EI Util Dwgs
84	Operating Mechanism	EI Util Dwgs
85	Relay, Carrier/Pilot-Wire Receiver	EI Util Dwgs
85GAL	Drum, 85 gallon	Process
86	Relay, Locking-Out	EI Util Dwgs
87	Relay, Differential Protective	EI Util Dwgs
88	Generator, Auxiliary Motor or Motor	EI Util Dwgs
89	Switch, line	EI Util Dwgs
9	Device, Reversing	EI Util Dwgs
90	Regulating Device	EI Util Dwgs
91	Relay, Voltage Directional	EI Util Dwgs
92	Relay, Voltage and Power Directional	EI Util Dwgs
93	Contactor, Field Changing	EI Util Dwgs
94	Relay, Tripping	EI Util Dwgs
95	Relay, Phase Discordance Handling Unit	EI Util Dwgs
AA	Alarm, analyzer	I&C
AAV	Automatic air vent (hydraulic systems)	Mech
AC	Control, analyzer	I&C
ACB	Box, atmospheric control (TA-55 PSAA pos pr GB)	Mech

ACL	After cooler	Mech
ACO	Control operator, analyzer	I&C
ACR	Air conditioner, refrigerant	Mech
ACTR	Actuator	Mech
ADARMP	ADA ramp (bldg or sidewalk)	C/S/Arch
AE	Primary element, analyzer	I&C
AED	Automated external defibrillator	C/S/Arch
AES	Air-ejector, steam	Mech
AFD	Actuator, fire device	Fire Prot
AFP	Argus Field Panel	Security
AGA	Alarm, combustible gas	I&C
AGT	Agitator	Mech
AI	Indicator, analyzer	I&C
AIC	Control, indicating, analyzer	I&C
AIK	Control station, indicating, analyzer	I&C
AIR	Recorder, indicating, analyzer	I&C
AIS	Switch, indicating, analyzer	I&C
AIT	Transmitter, indicating, analyzer	I&C
AITS	Switch, transmitting, indicating, analyzer	I&C
ALC	Alarm, carbon monoxide	I&C
ALM	Alarm	I&C
AM	Modifier, analyzer	I&C
AMP	Amplifier	Elec
ANLYZR	Analyzer or analytical instrument (when more specific does not exist)	I&C
ANN	Annunciator	I&C
AOBV	Valve, ball, air-operated	Mech
AOV	Valve, air operated (TA-55 only, others use Valve, solenoid - SOV)	Mech
AP	Test point or port, analyzer	I&C
AR	Recorder, analyzer	I&C
ARC	Control, recording, analyzer	I&C
ARK	Control station, recording, analyzer	I&C
ARMPL	Armor plate (e.g., ceiling)	C/S/Arch
ART	Transmitter, recording, analyzer	I&C
ARV	Valve, air relief (UI water distribution systems)	Mech
AS	Switch, analyzer	I&C

ASE	Air sampler, exhaust stack	Mech
ASH	Switch, analyzer, high	I&C
ASHL	Switch, analyzer, high or low	I&C
ASL	Switch, analyzer, low	I&C
ASSY	Assembly	Mech
AT	Transmitter, analyzer	I&C
ATS	Switch, transfer, automatic	Elec
ATT	Attenuator – sound, etc.	Mech
AV	Final element, analyzer	I&C
AW	Well, analyzer	I&C
AY	Relay, analyzer	I&C
BAL	Balance or scale	M&TE
BARR	Barrier (rail, bollard, jersey, manual gate, etc.)	C/S/Arch
BAS	Station, breathing air	Mech
BASIN	Basin or pond	C/S/Arch
BATCH	Batch plant (asphalt, concrete, etc.)	Mobile Eq
BB	Battery, banked	Elec
BC	Control, burner	I&C
BE	Primary element, burner	I&C
BERM	Berm	C/S/Arch
BFP	Backflow preventer	Mech
BG	Sight glass, burner	I&C
BHW	Boiler, hot water	Mech
BI	Indicator, burner	I&C
BIC	Control, indicating, burner	I&C
BIK	Control station, indicating, burner	I&C
BIT	Transmitter, indicating, burner	I&C
BL	Blower	Mech
BLDG	Building incl. office trailer	C/S/Arch
BMS	Switch, magnetic, balanced (e.g., door)	Security
BP	Test point or port, burner	I&C
BR	Recorder, burner	I&C
BRC	Control, recording, burner	I&C
BRDG	Bridge	C/S/Arch
BRT	Transmitter, recording, burner	I&C
BS	Boiler, steam	Mech
BSH	Switch, burner, high	I&C
BSHL	Switch, burner, high low	I&C
BSL	Switch, burner, low	I&C

BT	Transmitter, burner	I&C
BTN	Button, Push (switch)	Elec
BTRY	Battery or battery box	Elec
BV	Blower, vacuum	Mech
BVT	Valve, ball, trunion	Mech
BW	Well, burner	I&C
BWS	Boiler, water supply	Mech
BY	Relay, burner	I&C
BZ	Final element, burner	I&C
CA	Compressor, air	Mech
CA@	Alarm, conductivity	I&C
CAB	Cabinet (including control)	Elec
CAE	Cooler, air, evaporative	Mech
CAGE	Cage (wire/fence or restraint)	C/S/Arch
CAM	Monitor, continuous air	I&C
CAMERA	Camera	Process
CAP	Capacitor, non-pad mounted	Elec
CART	Cart	Mobile Eq
CASD	Criticality Alarm Sys (CAS) Detector	I&C
CASR	Criticality Alarm Sys (CAS) Ratemeter	I&C
CAW	Cooler, air, water	Mech
CB	Charger, battery	Elec
CBA	Circuit breaker, air (MV or HV)	EI Util Dwgs
CBE	Circuit breaker, enclosed (individual MCCB NEMA AB 1, often used as disconnect)	Elec
CBG	Circuit breaker, gas (MV or HV)	Elec
CBO	Circuit breaker, oil (MV or HV)	EI Util Dwgs
CBT	Test set, relay, overload, and or circuit breaker	M&TE
CBV	Circuit breaker, vacuum (MV or HV)	Elec
CC	Control, conductivity	I&C
CCE	Coil, cooling, evaporative	Mech
CCG	Coil, cooling, glycol	Mech
CCL	Coil, cooling	Mech
CCO	Control operator, conductivity	I&C
CD	Collector, dust	Shop
CDD	Disconnect, circuit (enclosed switch, safety switch)	Elec
CE	Primary element, conductivity	I&C

CEO	Circuit, electric, overhead	Elec
CEU	Circuit, electric, underground	Elec
CHAMB	Chamber	Process
CHAS	Chassis (including ethernet)	I&C
CI	Indicator, conductivity	I&C
CIC	Control, indicating, conductivity	I&C
CIK	Control station, indicating, conductivity	I&C
CIP	Panel, camera interface	Security
CIS	Switch, indicating, conductivity	I&C
CIT	Transmitter, indicating, conductivity	I&C
CJ	Crane, jib	C/S/Arch
CM	Crane, monorail	C/S/Arch
CM@	Modifier, conductivity	I&C
CNTRLR	Controller (TA55 use only, others use specific kind)	I&C
CNTR	Contacto	Elec
CNV	Converter	I&C
CO	Cleanout	Mech
COL	Collector (e.g., drip or catch pan)	Mech
COMPR	Compressor	Mech
COMX	Communication, Special	I&C
COND	Condenser	Mech/Process
CONN	Connector or coupling (including electrical grounds)	Mech
CONT	Container	Process
CP	Controller, pneumatic (phasing out; note, CP=control panel at TA-55)	I&C
CP	Panel, control (TA55 only; others use CPL)	I&C
CPF	Controller, pneumatic, flow	I&C
CPL	Panel, control	I&C
CPMD	Capacitor, pad mounted	Elec
CPU	Central processing unit (computer)	I&C
CR	Compressor, refrigerant	Mech
CR@	Recorder, conductivity	I&C
CRA	Condenser, refrigerant, air-cooled (if compressor see RUA; see also CRAC)	Mech
CRAC	Computer room air	Mech

	conditioner (e.g., the indoor unit connected to a CRA or RUA)	
CRACK	Crack or Fissure in Building	C/S/Arch
CRANE	Crane, mobile or fixed (use specific type where possible)	Mobile Eq
CRC	Control, recording, conductivity	I&C
CRE	Condenser, refrigerant, evaporative	Mech
CRK	Control station, recording, conductivity	I&C
CRT	Terminal or screen, cathode ray tube or solid state	I&C
CRU	Condensate recovery unit	Mech
CRUC	Crucible	Process
CS	Crane, shop	C/S/Arch
CS@	Switch, conductivity	I&C
CSM	Continuous Air Monitor (CAM) Supervisor Module	I&C
CT	Transmitter, conductivity	I&C
CTE	Condenser, turbine exhaust	Mech
CTG	Crane, gantry	C/S/Arch
CTO	Crane, bridge	C/S/Arch
CTPERM	Counter, permanent	M&TE
CTPORT	Counter, portable	M&TE
CURB	Curbing (asphalt, concrete)	C/S/Arch
CV	Valve, check (preferred)	Mech
CVVR	Conveyor (belt, auger, etc.)	Mech
CW	Column, water	Mech
CWA	Chiller, water, absorption	Mech
CWE	Chiller, water, evaporative	Mech
CWR	Chiller, water, refrigerant	Mech
CYL	Cylinder	Mech
DAB	Diffuser, aeration basin	Mech
DAC	Door, air curtain	C/S/Arch
DAD	Dryer, air, desiccant	Mech
DAQ	Data Acquisition	I&C
DAR	Dryer, air, refrigerant	Mech
DB	Bus duct (aboveground) (TA-55 only uses as drop box)	Elec
DB	Drop Box (TA55 only. DB normally bus duct)	Mech
DBD	Distribution Bus Duct	Elec
DBPL	Bus Plug	Elec
DDT	Dryer, catalyst (e.g., Dri-	Process

	Train)	
DECK	Deck (e.g., bridge, roof)	C/S/Arch
DEWAR	Dewar	Mech
DF	Damper, fire	Fire Prot
DFL	Drive, fluid	Mech
DGRS	Regulator, gas, district	Mech
DHM	Dehumidifier	Mech
DHO	Disconnect, hand-operated	EI Util Dwgs
DIF	Diffuser	Process
DM	Door, motorized	C/S/Arch
DMN	Deminerizer	Mech
DMO	Disconnect, motor-operated	EI Util Dwgs
DMP	Damper	Mech
DMST	Demister	Process
DNZ	Water unit, deionized	Mech
DP	Press, drill	Shop
DR	Door	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
DRN	Drain	Mech
DS	Damper, smoke (some legacy use as door switch, now use BMS)	Fire Prot
DSH	Desuperheater	Mech
DT	Drum Tumbler	Process
DUCT	Duct	Mech
DW	Dumbwaiter	C/S/Arch
DWR	Drawer	C/S/Arch
DWS	Water softener	Mech
EA	Alarm, voltage	I&C
EC	Control, voltage	I&C
EE	Elevator, electric	C/S/Arch
EE@	Primary element, voltage	I&C
EG	Electro corrector, gas	M&TE
EH	Elevator, hydraulic	C/S/Arch
EI	Indicator, voltage	I&C
EIC	Control, indicating, voltage	I&C
EIK	Control station, indicating, voltage	I&C
EIS	Switch, indicating, voltage	I&C
EIT	Transmitter, indicating, voltage	I&C
ELEM	Element (electric, heating,	Elec

	etc.)	
EM	Modifier, voltage	I&C
ENG	Engine	Mech
EP	Panel, emergency power	Elec
EQ	Totalizer, voltage	I&C
ER	Recorder, voltage	I&C
ERC	Control, recording, voltage	I&C
ERT	Transmitter, recording, voltage	I&C
ES	Stack, exhaust	Mech
ESH	Switch, voltage, high	I&C
ESHL	Switch, voltage, high or low	I&C
ESL	Switch, voltage, low	I&C
ESS	Equipment, surveillance	I&C
ET	Transmitter, voltage	I&C
EVP	Evaporator	Process
EW	Eyewash	Mech
EWM	Welder, electric	Shop
EXC	Exciter	Elec
EXPJT	Expansion joint (piping, bridge)	Mech
EXS	Fire suppression extinguishing system, gaseous or halon	Fire Prot
EXT	Extinguisher, fire	Fire Prot
EY	Relay, voltage	I&C
EZ	Final element, voltage	I&C
FA	Alarm, flow	I&C
FAB	Filter, air, bag or box	Mech
FAC	Filter, air, cleanable	Mech
FAF	Filter, air, fire	Mech
FAH	Filter, air, HEPA (or gas)	Mech
FAL	Filter, air, charcoal	Mech
FAM	Filter, air, mat	Mech
FAN	Fan	Mech
FAP	Filter, air, pad	Mech
FAR	Filter, air, roughing	Mech
FAS	Fixed Head Air Sampler	I&C
FB	Fan, booster	Mech
FC	Fan, circulating	Mech
FC@	Control, flow	I&C
FCD	Fan, condenser	Mech
FCO	Control operator, flow	I&C
FCP	Panel, control, fire alarm	Fire Prot

FCPB	Battery, fire control panel	Fire Prot
FCT	Fan, cooling tower	Mech
FCU	Fan coil unit	Mech
FCV	Valve, control, flow	Mech
FD	Drain, floor	Mech
FDC	Door, fire, structural	Fire Prot
FDC@	Fire department connection	Fire Prot
FDE	Door, fire, electrical	Fire Prot
FDL	Door, fire, mechanical	Fire Prot
FE	Fan, exhaust	Mech
FE@	Primary element, flow	I&C
FEACLD	Fire extinguishing agent, Class D	Fire Prot
FEH	Fan, exhaust, fume hood	Mech
FEN	Fence	C/S/Arch
FES	Filter, air, electrostatic	Mech
FF	Frame, Filter	Mech
FFC	Control, flow, ratio	I&C
FFI	Indicator, flow, ratio	I&C
FFIC	Control, indicating, flow ratio	I&C
FFM	Modifier, flow, ratio	I&C
FFR	Recorder, flow, ratio	I&C
FFRC	Control, recording, flow, ratio	I&C
FFS	Switch, flow, ratio	I&C
FFSH	Switch, flow, ratio, high	I&C
FFSL	Switch, flow, ratio, low	I&C
FFT	Transmitter, flow, ratio	I&C
FFV	Final element, flow, ratio	I&C
FG	Sight glass, flow	I&C
FGF	Furnace, gas fired	Mech
FH	Fume hood (but use XB when leading to a GB)	Mech
FI	Indicator, flow	I&C
FIC	Control, indicating, flow	I&C
FICV	Valve, control, indicating, flow	Mech
FIK	Control station, indicating, flow	I&C
FIS	Switch, indicating, flow	I&C
FIT	Transmitter, indicating, flow	I&C
FLASHR	Flasher	I&C
FLT	Filter (liquid mainly)	Mech
FM	Modifier, flow	I&C
FO	Filter, oil	Mech

FP	Penetration, floor or ceiling	C/S/Arch
FP@	Test point or port, flow	I&C
FPE	Fall protection equipment	C/S/Arch
FQ	Totalizer, flow	I&C
FQE	Primary element, flow, quantity	I&C
FQI	Indicator, flow, totalized	I&C
FQIC	Control, indicating, flow, quantity	I&C
FQIS	Switch, indicating, totalizing, flow	I&C
FQIT	Transmitter, indicating, flow, quantity	I&C
FQM	Modifier, flow, totalizer	I&C
FQR	Recorder, flow, totalized	I&C
FQRC	Control, recording, flow, quantity	I&C
FQS	Switch, flow, totalized	I&C
FQSH	Switch, flow, quantity, high	I&C
FQSL	Switch, flow, quantity, low	I&C
FQT	Transmitter, flow, totalizer	I&C
FQV	Final element, flow, quantity	I&C
FQY	Relay, flow, quantity	I&C
FR	Recorder, flow	I&C
FRA	Fan, return or recirculation	Mech
FRC	Control, recording, flow	I&C
FRK	Control station, recording, flow	I&C
FRKLFT	Forklift	Mobile Eq
FRL	Filter, roll	Mech
FRT	Transmitter, recording, flow	I&C
FS	Fan, supply	Mech
FS@	Switch, flow	I&C
FSDC	Fire suppression dry chemical	Fire Prot
FSH	Switch, flow, high	I&C
FSHL	Switch, flow, high or low	I&C
FSHWI	Fire suppression hybrid water/inert	Fire Prot
FSL	Switch, flow, low	I&C
FSW	Switch, flow (TA-55, not preferred)	I&C
FSWC	Fire suppression wet chemical	Fire Prot
FSWF	Fire suppression wet foam	Fire Prot
FSWFA	Fire suppression wet foam preaction	Fire Prot

FT	Transmitter, flow	I&C
FTB	Field termination box	Security
FU	Fuse	Elec
FV	Final element, flow, rate	I&C
FXTR	Fixture	Process
FY	Relay, flow, rate	I&C
GB	Glovebox	Mech
GC	Gas chromatograph	Process
GDE	Generator, diesel engine	Elec
GE	Gate, electric	C/S/Arch
GEN	Generator	Elec
GFCI	Ground Fault Circuit Interrupter	Elec
GH	Gate, hydraulic	C/S/Arch
GI	Indicator, ground	I&C
GNE	Generator, natural gas engine	Elec
GNS	Generator, steam driven	Elec
GRB	Grinder, belt	Shop
GRBX	Gearbox	Mech
GRD	Grille, register, diffuser, or louver (HVAC)	Mech
GRP	Grinder, pedestal	Shop
GRS	Grinder, surface	Shop
GT	Trap, grease	Mech
GX	Tester, balance	M&TE
GXT	Leak detector or tester	M&TE
HAS	Humidifier, air, steam	Mech
HAW	Humidifier, air, water	Mech
HC	Control, hand	I&C
HCL	Coil, heating	Mech
HCO	Control operator, hand	I&C
HCP	Panel, control, halon	Fire Prot
HD	Detector, heat (but XTS preferred)	Fire Prot
HDA	Heater, deaerating	Mech
HDE	Heater, duct, electric	Mech
HDG	Heater, duct, gas	Mech
HE	Hoist or winch, electric	C/S/Arch
HEPAPU	HEPA filter, portable unit or vacuum	Mobile Eq
HFH	Heater, feed water, high-pressure	Mech
HFI	Heater, feed water, intermediate-pressure	Mech

HFL	Heater, feed water, low-pressure	Mech
HIC	Control, indicating, hand	I&C
HIS	Switch, indicating, hand	I&C
HL	Light, hand	I&C
HM	Hoist or winch, manual	C/S/Arch
HOA	Switch, hand off auto or selector	I&C
HP	Hoist or winch, pneumatic/hyd	C/S/Arch
HPU	Power unit, hydraulic	Mech
HS	Switch, hand (single throw or push button; for selectors use hand-off-auto HOA)	I&C
HSE	Heater unit, air, steam-electric	Mech
HSSD	Detector, smoke, high sensitivity (incl. aspirating)	Fire Prot
HST	Hoist or winch (TA55 only; others use specific kind)	C/S/Arch
HTPLT	Hot Plate	Process
HTR	Heater (e.g., electric element)	Process
HUE	Heater unit, air, electric	Mech
HUG	Heater unit, air, gas	Mech
HUI	Heater unit, air, infrared	Mech
HUS	Heater unit, air, steam	Mech
HUW	Heater unit, air, water	Mech
HV	Heating ventilation unit (see also Furnace)	Mech
HV@	Final element, hand	I&C
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 fan coil unit FCU)	Mech
HVP	Heating Ventilation Plenum Frame (has coils; otherwise use frame, filter)	Mech
HVYEQ	Equipment, Heavy	Mobile Eq
HWE	Heater, water, electric	Mech
HWG	Heater, water, gas	Mech
HWS	Heater, water, steam	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
HYD	Hydrant	Fire Prot
HYDSYS	Hydraulic System	Mech
IA	Alarm, current	I&C
IC	Control, current	I&C
ICCB	Circuit breaker, insulated case (in a LV swbd)	Elec
ICOM	Intercom	I&C
IE	Primary element, current	I&C
IGNTR	Igniter	Process
II	Indicator, current	I&C
IIC	Control, indicating, current	I&C
IIK	Control station, indicating, current	I&C
IIS	Switch, indicating, current	I&C
IIT	Transmitter, indicating, current	I&C
IM	Modifier, current	I&C
IMM	Ice maker machine	C/S/Arch
IN	Instrument (legacy RLUOB R&D only; when new use true functional ID)	I&C
INCLR	Intercooler	Mech
INVT	Inverter	Elec
IOM	Remote I/O Adaptor Module	I&C
IQ	Totalizer, current	I&C
IR	Recorder, current	I&C
IRC	Control, recording, current	I&C
IRT	Transmitter, recording, current	I&C
IS	Switch, current	I&C
ISH	Switch, current, high	I&C
ISHL	Switch, current, high or low	I&C
ISL	Insulation	Mech
ISL	Switch, current, low	I&C
IT	Transmitter, current	I&C
IY	Relay, current	I&C
IZ	Final element, current	I&C
JA	Alarm, power	I&C
JBOX	Box, junction	Elec
JC	Control, power	I&C
JCP	Jet, condenser, priming	Mech
JE	Primary element, power	I&C
JI	Indicator, power	I&C

JIC	Control, indicating, power	I&C
JIK	Control station, indicating, power	I&C
JIT	Transmitter, indicating, power	I&C
JM	Modifier, power	I&C
JQR	Recorder, power, totalizing (incl watt-hr mtr)	I&C
JR	Recorder, power	I&C
JRC	Control, recording, power	I&C
JRT	Transmitter, recording, power	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
JT	Transmitter, power	I&C
JV	Final element, power	I&C
JWHQ	Totalizer, power, watt-hour	I&C
JWHT	Transmitter, power, watt-hour	I&C
JX	Power supply, electric	I&C
JY	Relay, power	I&C
KARDEX	Automated storage and retrieval (Lektriever, Kardex)	C/S/Arch
KC	Control, time	I&C
KCV	Valve, control, timed	Mech
KE	Primary element, time	I&C
KI	Indicator, time	I&C
KIC	Control, indicating, time	I&C
KIS	Switch, indicating, time	I&C
KIT	Transmitter, indicating, time	I&C
KQ	Totalizer, time	I&C
KQI	Indicator, time, totalized	I&C
KQT	Transmitter, time, totalized	I&C
KR	Recorder, time	I&C
KRC	Control, recording, time	I&C
KRT	Transmitter, recording, time	I&C
KS	Switch, timer	I&C
KSH	Switch, time, high	I&C
KSHL	Switch, time, high or low	I&C
KSL	Switch, time, low	I&C
KT	Transmitter, time	I&C
KV	Valve, key, natural gas	Mech
KV@	Final element, time	I&C
KY	Relay, time	I&C

KYBD	Keyboard	I&C
LA	Alarm, level	I&C
LADR	Ladder	C/S/Arch
LASER	Laser	Process
LAT	Lathe	Shop
LB	Isolator, level	Mech
LC	Control, level	I&C
LCHR	Launcher	Process
LCO	Control operator, level	I&C
LCV	Valve, control, level	Mech
LDC	Load cell	M&TE
LDR	Loader or similar earth-mover	Mobile Eq
LE	Primary element, level	I&C
LEP	Lift, platform, electric	Mobile Eq
LET	Line, electric, transmission	EI Util Dwgs
LF	Lighting fixture	Elec
LFT	Lift (use specific where possible)	C/S/Arch
LG	Sight glass, level	I&C
LI	Indicator, level	I&C
LIC	Control, indicating, level	I&C
LIL	Interlock, laser	I&C
LIS	Switch, indicating, level	I&C
LIT	Transmitter, indicating, level	I&C
LM	Modifier, level	I&C
LME	Lift, materials, electric	Mobile Eq
LMF	Lock, metal former	Shop
LMH	Lift, materials, hydraulic	Mobile Eq
LMM	Lift, materials, mobile	Mobile Eq
LMP	Lift, materials, pneumatic	Mobile Eq
LN	Lighting, incandescent	Elec
LP	Panel, lighting (legacy; use PP now)	Elec
LPE	Lift, personnel, electric	Mobile Eq
LPG	Lift, personnel, gasoline	Mobile Eq
LPH	Lift, personnel, hydraulic	Mobile Eq
LPP	Lift, personnel, pneumatic	Mobile Eq
LPT	Lightning protection	Elec
LR	Recorder, level	I&C
LRC	Control, recording, level	I&C
LRK	Control station, recording, level	I&C
LRT	Transmitter, recording, level	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
LSS	Light, street	Elec
LT	Transmitter, level	I&C
LTCOMB	Light, emergency/exit sign combo	Elec
LTE	Light, emergency	Elec
LTET	Light, exit sign, tritium or other self-luminous	Elec
LTNT	Light, exit sign, lit (non-tritium/not self-luminous)	Elec
LUV	Light, ultraviolet (e.g., UV sterilization)	Mech
LV	Final element, level	I&C
LVCCWU	Limited volume circulation chilled water unit	Mech
LVPCB	Circuit breaker, low voltage power (draw-out mounted power CB in ANSI-rated LV swgr)	Elec
LW	Well, level	I&C
LWI	Lift, wheelchair, inclined	C/S/Arch
LWV	Lift, wheelchair, vertical	C/S/Arch
LY	Relay, level	I&C
MA	Alarm, moisture	I&C
MACH	Machine	Mech
MANF	Manifold	Mech
MBPERM	Message board, permanent	C/S/Arch
MBPORT	Message board, portable	C/S/Arch
MC	Mixer, chemical	Mech
MC@	Control, moisture	I&C
MCC	Motor control center	Elec
MCCB	Circuit breaker, molded-case in pnld or swbd	Elec
MCSUPP	Support Mechanism (e.g., HVAC seismic restraint)	Mech
MDS	Disinfection system, mixed-oxidant	Mech
ME	Primary element, moisture	I&C
MG	Generator, motor	Elec
MGD	Meter, gas, district	Mech
MGR	Meter, gas, revenue	Mech
MHE	Manhole, electric	C/S/Arch
MHS	Manhole, steam	C/S/Arch

MHT	Meter, humidity or temperature	I&C
MI	Indicator, moisture	I&C
MIC	Control, indicating, moisture	I&C
MIK	Control station, indicating, moisture	I&C
MIKE	Microphone	I&C
MIS	Switch, indicating, moisture	I&C
MISC	Miscellaneous (consult Ch 1 POC before using)	All
MIT	Transmitter, indicating, moisture	I&C
MIX	Mixer (e.g., PA)	Elec
MKGS	Markings (pavement or otherwise)	C/S/Arch
MM	Milling machine	Shop
MM@	Modifier, moisture	I&C
MMD	Meter, multimeter, digital	M&TE
MMO	Meter, megohm	M&TE
MNC	Mill, numeric control	Shop
MO	Motor	Elec
MOLESV	Molecular sieve	Process
MON	Monitor	I&C
MPH	Meter, pH	M&TE
MR	Recorder, moisture	I&C
MRC	Control, recording, moisture	I&C
MS	Valve, main steam	Mech
MS@	Switch, moisture	I&C
MSTR	Starter, motor	Elec
MT	Transmitter, moisture	I&C
MTR	Meter (generic)	I&C
MTS	Switch, transfer, manual	Elec
MUF	Muffler	Mech
MUX	Multiplexer	I&C
MW	Meter, water	I&C
MWW	Manhole, waste water	C/S/Arch
NAA	Notification appliance, audio	Fire Prot
NAAV	Notification appliance, audio visual	Fire Prot
NAV	Notification appliance, visual	Fire Prot
NCD	Device, network communication	I&C
NGN	Bottle, nitrogen	Mech
NGRS	Regulator, natural gas	Mech
NZL	Nozzle	Mech

OF	Open front hood (RLUOB red/zone 2 hoods only; TA-55 uses XB for similar)	Mech
OI	Analyzer, oxygen	I&C
OIA	Alarm, oxygen, indicating	I&C
OPG	Orifice plate, gas (RO preferred)	Mech
OSY	Valve, outside screw & yoke	Fire Prot
OUT	Outlet, non-telephone	Elec
OVEN	Oven or electric furnace	Process
P	Pump	Mech
PA	Alarm, pressure	I&C
PAC	Pump, acid or chemical	Mech
PAVEMT	Pavement (ashpalt, concrete), pad, or slab	C/S/Arch
PBF	Pump, boiler feed	Mech
PBX	Box, pull	Fire Prot
PC	Pump, condensate	Mech
PC@	Control, pressure	I&C
PCO	Control operator, pressure	I&C
PCR	Pump, circulating	Mech
PCT	Pump, cooling tower	Mech
PCV	Valve, control, pressure	Mech
PCW	Pump, chilled or cooling water	Mech
PDA	Alarm, differential pressure	I&C
PDC	Control, differential pressure	I&C
PDCO	Control operator, differential pressure	I&C
PDCV	Valve, control, differential pressure	Mech
PDE	Primary element, differential pressure	I&C
PDH	Pump, hot water, domestic (potable)	Mech
PDI	Indicator, pressure differential	I&C
PDIC	Control, indicating, differential pressure	I&C
PDIK	Control station, indicating, differential 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
PDIT	Transmitter, indicating, differential pressure	I&C

PDM	Modifier, differential pressure	I&C
PDR	Recorder, differential pressure	I&C
PDRC	Control, recording, differential pressure	I&C
PDRK	Control station, recording, differential pressure	I&C
PDRT	Transmitter, recording, differential pressure	I&C
PDS	Switch, pressure differential	I&C
PDSH	Switch, pressure differential, high	I&C
PDSL	Switch, pressure differential, low	I&C
PDT	Transmitter, differential pressure	I&C
PDU	Power distribution unit	Elec
PDV	Final element, differential pressure	I&C
PDW	Pump, deionized water	Mech
PDY	Relay, differential pressure	I&C
PE	Pole, electrical distribution	Elec
PE@	Primary element, pressure	I&C
PFO	Pump, fuel oil	Mech
PFP	Pump, fire protection	Fire Prot
PG	Pump, glycol	Mech
PH	Press, hydraulic	Shop
PHE	Primary element, pH	I&C
PHI	Indicator, pH	I&C
PHO	Pump, hydraulic	Mech
PHW	Pump, hot water	Mech
PI	Indicator, pressure	I&C
PIC	Control, indicating, pressure	I&C
PIM	Modifier, indicating, pressure	I&C
PIPE	Pipe or piping	Mech
PIS	Switch, indicating, pressure	I&C
PIT	Transmitter, indicating, pressure	I&C
PIV	Valve, post indicating	Fire Prot
PIVA	Valve, post indicating, annunciated	Fire Prot
PKLOTP	Parking lot, paved	C/S/Arch
PKLOTU	Parking lot, unpaved	C/S/Arch
PL and PNL	Panel (TA-55 legacy; use specific where possible)	I&C
PLATF	Platform (fixed or moveable, but not lifting type)	C/S/Arch

PLC	Controller, programmable logic	I&C
PLT	Plate	Process
PLTLT	Light, pilot	Mech
PLUG	Plug (shield, cable, etc.)	C/S/Arch
PM	Modifier, pressure	I&C
PMG	Generator, permanent magnet	Elec
PO	Pump, oil	Mech
PP	Panel, power	Elec
PP@	Test point or port, pressure	I&C
PPB	Pump, pressure, boosting	Mech
PPDC	Panel, power, direct current	Elec
PPTT	Pipette	Process
PR	Relay, protective	Elec
PR@	Recorder, pressure	I&C
PRC	Control, recording, pressure	I&C
PRD	Pressure regulating device (bubbler; use PRV for valves)	Mech
PRNT	Printer or plotter	I&C
PRT	Transmitter, recording, pressure	I&C
PRV	Valve, pressure relief (preferred acro for all RVs)	Mech
PS	Pump, sump	Mech
PS@	Switch, pressure	I&C
PSA	Pump, sampler air	Mech
PSD	Phase shifting device	Elec
PSE	Safety device, pressure (rupture disk) RPD preferred	Mech
PSH	Switch, pressure, high	I&C
PSHL	Switch, pressure, high or low	I&C
PSL	Switch, pressure, low	I&C
PSR	Pump, sewage, raw	Mech
PSTART	Starter, pneumatic	Elec
PSV	Valve, pressure safety (steam-air-gas service only) but see PRV	Mech
PSW	Pump, sealant water	Mech
PSX	Hose	Mech
PT	Transmitter, pressure	I&C
PTR	Pressure test rig (hydro/pneumo)	M&TE
PTW	Pump, tempered water	Mech
PV	Pump, vacuum	Mech
PV@	Final element, pressure	I&C

PVPANL	Photovoltaic panel	Elec
PWS	Pump, water spray	Mech
PWT	Pump, waste treatment	Mech
PY	Relay, pressure	I&C
QE	Primary element, quantity	I&C
QI	Indicator, quantity	I&C
QIC	Control, indicating, quantity	I&C
QIT	Transmitter, indicating, quantity	I&C
QR	Recorder, quantity	I&C
QRC	Control, recording, quantity	I&C
QRT	Transmitter, recording, quantity	I&C
QSH	Switch, quantity, high	I&C
QSHL	Switch, quantity, high or low	I&C
QSL	Switch, quantity, low	I&C
QT	Transmitter, quantity	I&C
QY	Relay, quantity	I&C
QZ	Final element, quantity	I&C
RA	Alarm, radiation	I&C
RACK	Rack	C/S/Arch
RAP	Panel, remote access	Security
RBE	Road block, electric	C/S/Arch
RBH	Road block, hydraulic	C/S/Arch
RC	Control, radiation	I&C
RDLOC	Road, local (incl. driveways)	C/S/Arch
RDPRM	Road, primary (arterial)	C/S/Arch
RDR	Reader	I&C
RDSEC	Road, secondary (collector)	C/S/Arch
RDUP	Road, unpaved	C/S/Arch
RE	Primary element, radiation (beta, beta/gamma, etc.)	I&C
REAC	Reactor	Process
RECT	Rectifier	Elec
REG	Regulator, gas bottle	Mech
RESN	Resin	Process
RETWAL	Wall, retaining	C/S/Arch
RFIHD	Radio frequency inductively heated device	Process
RGA	Residual Gas Analyzer	Process
RGNG	Rigging (slings, shackles, etc)	C/S/Arch
RI	Indicator, radiation	I&C
RIC	Control, indicating, radiation	I&C
RIS	Switch, indicating, radiation	I&C

RIT	Transmitter, indicating, radiation	I&C
RLB	Load bank, resistance	Elec
RLT	Alarm, access, red-light	I&C
RLY	Relay or Relay Module (TA-55 only, others use specific type)	Elec
RM	Modifier, radiation	I&C
RMF	Roller, metal forming	Shop
RMHND	Robotic Material Handler, manipulator, master-slave	Process
RO	Orifice, restricting	Mech
ROU	Reverse osmosis unit	Mech
RPD	Rupture disk or disc	Mech
RPG	Regulator, pressure, gas	Mech
RPP	Road & park lots, paved (legacy)	C/S/Arch
RPW	Regulator, pressure, water	Mech
RR	Recorder, radiation	I&C
RRC	Control, recording, radiation	I&C
RRT	Transmitter, recording, radiation	I&C
RS	Roof section	C/S/Arch
RSH	Switch, radiation, high	I&C
RSHL	Switch, radiation, high or low	I&C
RSL	Switch, radiation, low	I&C
RSPERM	Sign, radar speed, permanent	C/S/Arch
RSPORT	Sign, radar speed, portable	C/S/Arch
RT	Transmitter, radiation	I&C
RTD	Reagent transfer device	Process
RTU	Remote terminal unit	I&C
RUA	Refrigeration unit, air (with compressor and condensing coil; see also CRA, CRAC)	Mech
RUP	Road & park lots, unpaved (legacy)	C/S/Arch
RV	Regulator, voltage	Elec
RVS	Valve, regulator, steam	Mech
RW	Well, radiation	I&C
RY	Relay, radiation	I&C
RZ	Final element, radiation	I&C
S	Siren	I&C
SA	Alarm, speed	I&C
SAFE	Safe	Process
SAI	Solution assay instrument	I&C

SAMP	Sample Port or sampler	Process
SAW	Saw	Shop
SB	Screen, bar, mechanical	Mech
SBL	Sand blaster	Shop
SC	Control, speed	I&C
SCB	Scrubber	Mech
SCBA	Self Contained Breathing Apparatus	Mech
SCO	Control operator, speed	I&C
SCR	Strainer	Mech
SCV	Valve, control, speed	Mech
SD	Sander	Shop
SDWLK	Sidewalk	C/S/Arch
SE	Primary element, speed	I&C
SEAL	Seal or sealing containment ring (or gasket)	Process
SEP	Separator	Process
SESE	Primary element, seismic	I&C
SESR	Recorder, seismic	I&C
SF	Scrubber, fume	Mech
SG	Shaker, graphite	Shop
SHD	Shower, decontamination	Mech
SHLD	Shielding, radioactive or other (also see Plug)	C/S/Arch
SHLO	Shelves or shelf	C/S/Arch
SHRDR	Shredder	Process
SHS	Shower, safety	Mech
SI	Indicator, speed	I&C
SIC	Control, indicating, speed	I&C
SIGN	Sign (traffic, reflectors, etc.)	C/S/Arch
SIK	Control station, indicating, speed	I&C
SIS	Switch, indicating, speed	I&C
SIT	Transmitter, indicating, speed	I&C
SLS	Lift station, sewage	C/S/Arch
SLW	Slinger, water spray	Mech
SM	Modifier, speed	I&C
SMC	Shear, metal cutting	Shop
SMD	Detector, smoke	Fire Prot
SMF	Main, force, sewage	C/S/Arch
SNK	Sink	Mech
SNSR	Sensor, generic (use specific element where possible)	I&C
SO	Separator, oil	Mech

SOIL	Soil (dirt cover)	C/S/Arch
SOV	Valve, solenoid	Mech
SPA	Sprinkler, preaction	Fire Prot
SPCR	Spacer	Mech
SPD	Sprinkler, dry pipe	Fire Prot
SPDA	Sprinkler, dry/preaction combined	Fire Prot
SPDE	Surge protective device (lightning suppressor or arrester, all voltages)	Elec
SPDEL	Sprinkler, deluge	Fire Prot
SPEC	Mass Spectrometer or other	M&TE
SPF	Sprinkler, anti-freeze	Fire Prot
SPH	Standpipe	Fire Prot
SPHD	Standpipe, dry (manual)	Fire Prot
SPK	Speaker	Elec
SPM	Switch, pad mounted (MV, has 1 or more interrupter switches)	Elec
SPRSTR	Superstructure (e.g., bridge)	C/S/Arch
SPRT	Support or Stand (GB, etc.)	Mech
SPW	Sprinkler, wet pipe	Fire Prot
SR	Recorder, speed	I&C
SRC	Control, recording, speed	I&C
SRNK	Sprinkler (head)	Fire Prot
SRT	Transmitter, recording, speed	I&C
SS	Switch, speed	I&C
SSBU	Bus, substation (HV)	Elec
SSH	Switch, speed, high	I&C
SSHL	Switch, speed, high or low	I&C
SSL	Switch, speed, low	I&C
ST	Switch, transformer	Elec
ST@	Transmitter, speed	I&C
STA	Station (except breathing air)	Mech
STRIKE	Strike, door (e.g., electric; some legacy use of DS, but use STRIKE)	Security
SUB	Substation (HV)	Elec
SUBSTR	Substructure (e.g., bridge, slab, foundation)	C/S/Arch
SUS	Substation, unit, secondary [integrated assy w/ fused MV interrupter switch(es), power xfmr(s), swgear, breakers, and a LV swgear assy.]	Elec
SV	Switch, vacuum	Elec

SV@	Final element, speed	I&C
SVC	Static var compensator or control system	EI Util Dwgs
SW	Switch, generic (use specific where possible)	I&C
SWB	Box, standard waste	Process
SWBD	Switchboard (NEMA)	Elec
SWGR	Switchgear (ANSI) with either breakers or fused interrupter switches	Elec
SY	Relay, speed	I&C
SYN	Synchroscope	I&C
SYS	System (for single CMMS entry for entire OPsystem or System)	All
TA	Alarm, temperature	I&C
TAC	Tank, acid or chemical	Mech
TBL	Table	Mech
TBLK	Terminal block	I&C
TBTRLS	Tube trailer station	Mech
TC	Tower, cooling	Mech
TC@	Control, temperature	I&C
TCA	Tank, compressed air	Mech
TCF	Tank, condensate, flash	Mech
TCI	Tank, chemical injection	Mech
TCO	Control operator, temperature	I&C
TCS	Tank, condensate, steam	Mech
TCV	Valve, control, temperature	Mech
TCW	Tank, condensate, water	Mech
TDC	Control, differential temperature	I&C
TDCV	Valve, control, differential temperature	Mech
TDI	Indicator, differential temperature	I&C
TDIC	Control, indicating, differential temperature	I&C
TDIT	Transmitter, indicating, differential temperature	I&C
TDM	Modifier, differential temperature	I&C
TDR	Recorder, differential temperature	I&C
TDRC	Control, recording, differential temperature	I&C
TDRT	Transmitter, recording, differential temperature	I&C
TDS	Switch, temperature	I&C

	differential	
TDSH	Switch, temperature differential, high	I&C
TDSL	Switch, temperature differential, low	I&C
TDT	Transmitter, differential temperature	I&C
TDV	Final element, differential temperature	I&C
TDY	Relay, differential temperature	I&C
TE	Primary element, temperature (e.g., T/C, TC, TCP, thermocouple, thermistor)	I&C
TEL	Telecom or data jack, or phone itself	Elec
TELE	Television	Elec
TG	Tank, glycol	Mech
TH	Thermostat	I&C
THP	Tank, hydraulic pressure	Mech
TI	Indicator, temperature	I&C
TIC	Control, indicating, temperature	I&C
TIK	Control station, indicating, temperature	I&C
TIS	Switch, indicating, temperature	I&C
TIT	Transmitter, indicating, temperature	I&C
TK	Tank	Mech
TLA	Tower, electric, PNM LA	EI Util Dwgs
TM	Modifier, temperature	I&C
TMP	Tower, electric, PNM MP	EI Util Dwgs
TNC	Thermal neutron counter	I&C
TNL	Tower, electric, PNM NL	EI Util Dwgs
TO	Tank, oil	Mech
TOILET	Toilet	Mobile Eq
TOOL	Tool or tooling	Shop
TP	Test point or port, temperature	I&C
TPWS	Tank, potable water, storage	Mech
TQS	Screwdriver, torque	M&TE
TQT	Tester, torque	M&TE
TQW	Wrench, torque	M&TE
TR	Recorder, temperature	I&C
TRAIL	Trail	C/S/Arch
TRC	Tank, refrigerant	Mech

TRC@	Control, recording, temperature	I&C
TRCALM	Traffic calming (hump, bump, table)	C/S/Arch
TRCTR	Tractor	Mobile Eq
TRK	Control station, recording, temperature	I&C
TRLR	Trailer (if office, use BLDG)	Mobile Eq
TRLY	Trolley	Mech
TRLYT	Trolley Tunnel	Mech
TRNKED	Trunked radio	I&C
TRP	Trap	Mech
TRS	Tank, retention or storage	Mech
TRS@	Switch, recording, temperature	I&C
TRSGNL	Signal, traffic	C/S/Arch
TRT	Transmitter, recording, temperature	I&C
TRUCK	Truck (pickup, flatbed, semi etc.)	Mobile Eq
TS	Trap, steam	Mech
TS@	Switch, temperature	I&C
TSA	Tank, separator, air	Mech
TSD	Turbine, steam driven	Mech
TSE	Safety device, temperature (fusible link)	Mech
TSH	Switch, temperature, high	I&C
TSHL	Switch, temperature, high or low	I&C
TSL	Switch, temperature, low	I&C
TSTEQ	Equipment, Test (only when no specific applies)	M&TE
TT	Transmitter, temperature	I&C
TTE	Tower, electric, PNM TE	EI Util Dwgs
TTT	Turntable	C/S/Arch
TUNNEL	Tunnel	C/S/Arch
TURB	Turbine (including gas-driven power turbines)	Mech
TV	Tank, vacuum	Mech
TV@	Final element, temperature	I&C
TW	Well, thermal (thermowell)	I&C
TWC	Tank, water, chilled or cooling	Mech
TWD	Tank, water, deionized or demineralized	Mech
TWH	Tank, water, hot	Mech
TWS	Tank, water, sealant	Mech
TWT	Tank, waste treatment	Mech

TX	Tank, expansion	Mech
TY	Relay, temperature	I&C
UI	Indicator, multivariable	I&C
UPS	Uninterruptible power supply	Elec
UR	Recorder, multivariable	I&C
USC	Ultrasonic cleaner or bath	Process
UV	Final element, multivariable	I&C
UY	Relay, multivariable	I&C
V	Valve	Mech
VA	Alarm, vibration	I&C
VABG	Valve, gate, aeration basin	Mech
VAV	Variable air volume box	Mech
VB	Valve, block	Mech
VBG	Valve, burner, gas	Mech
VBH	Valve, block, hydrant	Mech
VBO	Valve, burner, oil	Mech
VBW	Valve, block, water	Mech
VC	Valve, check (historical)	Mech
VE	Primary element, vibration	I&C
VENT	Vent	Mech
VEQG	Valve, gate, equalization basin	Mech
VFD	Drive, variable frequency	Elec
VI	Indicator, vibration	I&C
VIBI	Vibration isolator	Mech
VIS	Switch, indicating, vibration	I&C
VIT	Transmitter, indicating, vibration	I&C
VM	Valve, motor-operated (an MOV)	Mech
VM@	Modifier, vibration	I&C
VP	Vessel, pressure	Mech
VPR	Valve, pressure reducing	Mech
VR	Recorder, vibration	I&C
VRT	Transmitter, recording, vibration analysis	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
VT	Transmitter, vibration	I&C
VY	Relay, vibration analysis	I&C
VZ	Final element, vibration analysis	I&C

WA	Washer, air	Mech
WALL	Wall	C/S/Arch
WB	Workbench	Shop
WC	Control, weight or force	I&C
WCR	Cooler, water (including drinking fountains)	Mech
WCV	Valve, control, force	Mech
WDC	Control, force differential	I&C
WDCV	Valve, control, force differential	Mech
WDE	Primary element, force differential	I&C
WDI	Indicator, force differential	I&C
WDIC	Control, indicating, force differential	I&C
WDIT	Transmitter, indicating, force differential	I&C
WDO	Window (bldg, shield, or vessel)	C/S/Arch
WDR	Recorder, force differential	I&C
WDRC	Control, recording, force differential	I&C
WDRT	Transmitter, recording, force differential	I&C
WDSH	Switch, force differential, high	I&C
WDSL	Switch, force differential, low	I&C
WDT	Transmitter, force differential	I&C
WDY	Relay, force differential	I&C
WDZ	Final element, force differential	I&C
WE	Primary element, weight or force	I&C
WGS	Weir gate, sludge	C/S/Arch
WI	Indicator, weight or force	I&C
WIC	Control, indicating, weight or force	I&C
WIS	Switch, indicating, weight or force	I&C
WIT	Transmitter, indicating, weight or force	I&C
WM	Modifier, weight or force	I&C
WP	Penetration, Wall or roof	C/S/Arch
WR	Recorder, weight or force	I&C
WRC	Control, recording, weight or force	I&C
WRE	Primary element, wear	I&C
WRT	Transmitter, recording, weight or force	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
WT	Transmitter, weight or force	I&C
WW	Wig-wag gate or testing tool	C/S/Arch
WY	Relay, weight or force	I&C
WZ	Final element, weight or force	I&C
XA	Alarm, special (incl. refrigerant monitors and fire alarms at TA-55)	I&C
XB	Glovebox, introductory/exchange (fume hd leading to GB)	Mech
XC	Control, special	I&C
XCO	Control operator, special	I&C
XE	Primary element, special	I&C
XFC	Fill cup, sprinkler standpipe (funnel)	Fire Prot
XFMR	Transformer (LV, 480 or less)	Elec
XFRD	Transformer, distribution (MV)	Elec
XFRP	Transformer, power (HV)	EI Util Dwgs
XFRR	Transformer, rectifier	Elec
XHS	Pull Station, Fire Alarm (TA-55 only, others use pull box--pbx)	Fire Prot
XI	Indicator, special	I&C
XIC	Control, indicating, special	I&C
XIK	Control station, indicating, special	I&C
XIS	Switch, indicating, special	I&C
XIT	Transmitter, indicating, special	I&C
XM	Modifier, special	I&C
XR	Recorder, special	I&C
XRAY	X-ray (security or process)	M&TE
XRC	Control, recording, special	I&C
XRK	Control station, recording, special	I&C
XT	Transmitter, special	I&C
XTS	Detector, Heat (XTS preferred)	Fire Prot
XVAC	Valve, Alarm Check	Fire Prot
XVIT	Valve, inspector's test	Fire Prot
XVV	Valve, Air Vent	Fire Prot
XWVG	Water Motor Gong (flow	Fire Prot

	alarm)	
XZS	Switch, tamper (TA-55 only, others use switch, pos -- ZS)	Fire Prot
YC	Control, presence or state	I&C
YI	Indicator, presence or state	I&C
YIC	Control, indicating, presence or state	I&C
YR	Recorder, presence or state	I&C
YSH	Switch, presence or state, high	I&C
YSL	Switch, presence or state, low	I&C
YT	Transmitter, presence or state	I&C
YY	Relay, presence or state	I&C
YZ	Final element, presence or state	I&C
ZA	Alarm, zone or position	I&C
ZC	Control, zone or position	I&C
ZCV	Valve, control, zone or position	Mech
ZDC	Control, deviation	I&C
ZDCV	Valve, control, deviation	Mech
ZDE	Primary element, deviation	I&C
ZDI	Indicator, deviation	I&C
ZDIC	Control, indicating, deviation	I&C
ZDIT	Transmitter, indicating, deviation	I&C
ZDR	Recorder, deviation	I&C
ZDRC	Control, recording, deviation	I&C
ZDRT	Transmitter, recording, deviation	I&C
ZDSH	Switch, deviation, high	I&C
ZDSL	Switch, deviation, low	I&C
ZDT	Transmitter, deviation	I&C
ZDV	Final element, deviation	I&C
ZDY	Relay, deviation	I&C
ZE	Primary element, zone or position	I&C
ZI	Indicator, zone or position	I&C
ZIC	Control, indicating, zone or position	I&C
ZIS	Switch, indicating, zone or position	I&C
ZIT	Transmitter, indicating, position	I&C
ZM	Modifier, zone or position	I&C

ZR	Recorder, position	I&C
ZRC	Control, recording, position	I&C
ZRT	Transmitter, recording, position	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
ZT	Transmitter, zone or position	I&C
ZV	Final element, position	I&C
ZY	Relay, position	I&C