

Process Abbreviations:

1/A/2	Duty P-1-Auto-Duty P2
A	Auto
AA	Alarm Acknowledge
ACK	Acknowledge
ACS	Area Control Switch
AR	Alarm Reset
AT	Alarm Test
C	Close
CB	Circuit Breaker
CCP	Communication Control Panel
CP	Control Panel
CR	Control Relay
D	Disable
DAS	Data Aquisition System
DCS	Distribution Control Switch
DISC	Disconnect
DO	Dissolved Oxygen
E	Enable
ES	Emergency Stop
ESD	Emergency Shutdown
ET	Elapsed Time
FOR	Forward-Off-Reverse
FOS	Fast-Off-Slow
FPP	Fibre Patch Panel
FR	Forward-Reverse
FS	Fast-Slow
FWD	Forward
FZ	Fuse
G	Ground
HL	High-Low
H	Hand/hold
HEL	Higher Explosive Limit
HMI	Human Machine Interface
HMS	Hand Momentary Switch (Pushbutton)
HMSH	Pushbutton Start Open
HMSL	Pushbutton Start/Close
HS	Hand Switch or Pushbutton or Selector Switch
HOA	Hand-Off-Auto
ICP	Instrument Control Panel
IO	Local Input/Output PLC/RTU Modules
ISO	Isolator (Loop)
J	Jog
K	Key
KES	Key Switch
L	Local/Lock
LEL	Lower Explosive Limit
LOR	Local-Off-Remote
LOS	Lockout Stop
LP	Lighting Control Panel
LR	Local Remote
M	Motor
MCC	Motor Control Centre
ME	Motion Element
MLSS	Mixed Liquor Suspended Solids
O	Open/Off
OC	Open-Close
OCR	Open-Close-Remote
OL	Overload
OO	On-Off
OOA	On-Off-Auto
OOR	On-Off-Remote
ORP	Oxygen Reduction Potential
OSC	Open-Stop-Close
PF	Power Fail Relay
PLC	Programmable Logic Controller
POT	Potentiometer
PSU	Power Supply Unit
PU	Power Monitor

R	Remote
RC	Recorder
REV	Reverse
RIO	Remote I/O PLC/RTU Modules
RPU	Remote Processing Unit
RST	Reset
RTU	Remote Telemetry/Terminal Unit
ΣA, ΣB	Sigma A, Sigma B
SCADA	Supervisory Control & Data Acquisition
SL	Signal
SOB	Soft Start-Off Bypass
SP	Stop
SPD	Speed Potentiometer
SS	Start-Stop
ST	Start
SV	Servo
TA	Test Alarm
TD	Time Delay/Relay
TEMP	Temperature Control
TURB	Turbidity
TSFS	Transfer Switch
XFMR	Transformer

Common Process Chemicals:

C ₂ H ₂	Acetylene
Al ₂ (SO ₄) ₃	Aluminum Sulphate (Alum)
Al ₂ Cl(OH) ₅	Aluminum Chlorohydrate (ACH)
NH ₃	Anhydrous Ammonia
NH ₃ (aq)	Aqua Ammonia
CO ₂	Carbon Dioxide
Cl ₂	Chlorine
ClO ₂	Chlorine Dioxide
C ₆ H ₈ O ₇	Citric Acid
CuSO ₄	Copper Sulphate
He	Helium
HCl	Hydrochloric Acid
H ₂ SiF ₆	Hydrofluosilicic Acid (FSA)
H	Hydrogen
H ₂ O ₂	Hydrogen Peroxide
H ₂ S	Hydrogen Sulphide
Ca(OH) ₂	Lime - Hydrated
CaO	Lime - Quicklime
CH ₄	Methane (Natural) Gas
CH ₃ OH	Methanol
NO ₂	Nitrogen Dioxide
NO	Nitric Oxide
N ₂	Nitrogen Gas
N ₂ O	Nitrous Oxide
O ₃	Ozone
H ₃ PO ₄	Phosphoric Acid
KMnO ₄	Potassium Permanganate
Na ₂ CO ₃	Soda Ash
NaAl	Sodium Aluminate
NaHSO ₃	Sodium Bisulphite (E222)
NaCl	Sodium Chloride
NaOH	Sodium Hydroxide
NaOCl	Sodium Hypochlorite
SO ₂	Sulphur Dioxide
H ₂ SO ₄	Suphuric Acid

Chemical Process Linetypes:

—— C ₂ H ₂ ——	C ₂ H ₂ ——	Acetylene (C ₂ H ₂)
—— ACH ——	ACH ——	Aluminum Chlorohydrate (ACH)
—— Alum ——	Alum ——	Aluminum Sulphate Al ₂ (SO ₄) ₃
—— NH ₃ ——	NH ₃ ——	Aqueous Ammonia (NH ₃)
—— Cl ₂ ——	Cl ₂ ——	Chlorine Gas (Cl ₂)
—— Citric ——	Citric ——	Citric Acid (C ₆ H ₈ O ₇)
—— FeCl ₂ ——	FeCl ₂ ——	Ferrous Chloride (FeCl ₂)
—— FSA ——	FSA ——	Hydrofluosilicic Acid (H ₂ SiF ₆)
—— H ₂ O ₂ ——	H ₂ O ₂ ——	Hydrogen Peroxide (H ₂ O ₂)
—— LOX ——	LOX ——	Liquid Oxygen (O ₂)
—— Poly ——	Poly ——	Polymer
—— SBS ——	SBS ——	Sodium Bisulphite (NaHSO ₃)
—— NaOH ——	NaOH ——	Sodium Hydroxide (NaOH)
—— Hypo ——	Hypo ——	Sodium Hypochlorite (NaOCl)
—— H ₂ SO ₄ ——	H ₂ SO ₄ ——	Sulphuric Acid (H ₂ SO ₄)

Grouping Frame (ISO 15519-1:2010(E) Section 7.3)

----- Grouping Frame

Supply Abbreviations

AS	Air Supply
ES	Electric Supply
GS	Gas Supply
HS	Hydraulic Supply
NS	Nitrogen Supply
SS	Steam Supply
WS	Water Supply
AS	Power Supply Source Label
Used only where necessary to help clarify an instrument or system function.	

Transducer & Converter Designations

E	Voltage
FSK	Frequency Shift Keying
H	Hydraulic
I	Current
P	Pneumatic
PD	Puldse Duration
PF	Pulse Frequency
R	Resistance (electrical)

Ex: I/P = Current-to-Pneumatic Transducer

PROCESS SHEET LIST:

000-D-0001	Process Acronyms and Notes
000-DI-0001	ANSI/ISA-S5.1 Compliant Symbols
000-DI-0002	ISO 10628 and NCS v6 Mod 6
000-DI-0003	Non-Compliant P&ID Legends

GENERAL PROCESS INSTRUMENTATION NOTES:

- All General Notes from the 000-G-0000 Series pages apply to Process sheets.
- RESERVED - Include notes that apply only to Process discipline in this reserved area.

GENERAL PROCESS ACRONYM NOTES:

- GENERAL ACRONYM NOTES - See Sht 000-G-0001 for general notes concerning the use of acronyms. These general notes cover acronym precedence, sheet acronyms, ambiguity, units, chemicals, case and credit.
- GENERAL ACRONYMS - All acronyms listed on pages 000-G-0001 shall apply to the Process drawing sub-set.
- PROCESS ACRONYMS - Acronyms listed on this page shall only apply to the Process discipline drawings, UNO.

Equipment Identification:

AAANNXXX	
AAA	Device Code - See Peel Process Equipment Abbreviation Table
NNN	Process Code - see Peel Process Area Code Table
XX	Device/Loop Number

Example: HV17201

Pipeline Identification:

ZZZZØ-SSSS-MMMM

ZZZZØ	Pipe size in mm UNO
SSSS	Process Code (Refer to PAIDS Appendix 1.7B)
MMMM	Material Code (see below)

Piping Material Code Abbreviations

ALUM	Aluminum
CONC	Concrete
DI	Ductile Iron, concrete or glass lined
Cu	Copper
HDPE	High Definition Polyethylene
PE	Polyethylene
POP	Polypropylene
PVC	Polyvinyl Chloride
RC	Re-inforced Concrete
RCC	Re-inforced Concrete Cylinder Pipe
SS	Stainless Steel
VC	Vitrified Clay
VCT	Vinyl Composite Tile

RESOURCE DRAWING

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Peel Vertical CADD Standard
Version 2.0 2025-08-31
Standard Symbol Library

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Peel Region CADD Standard
Process Acronyms and Notes

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