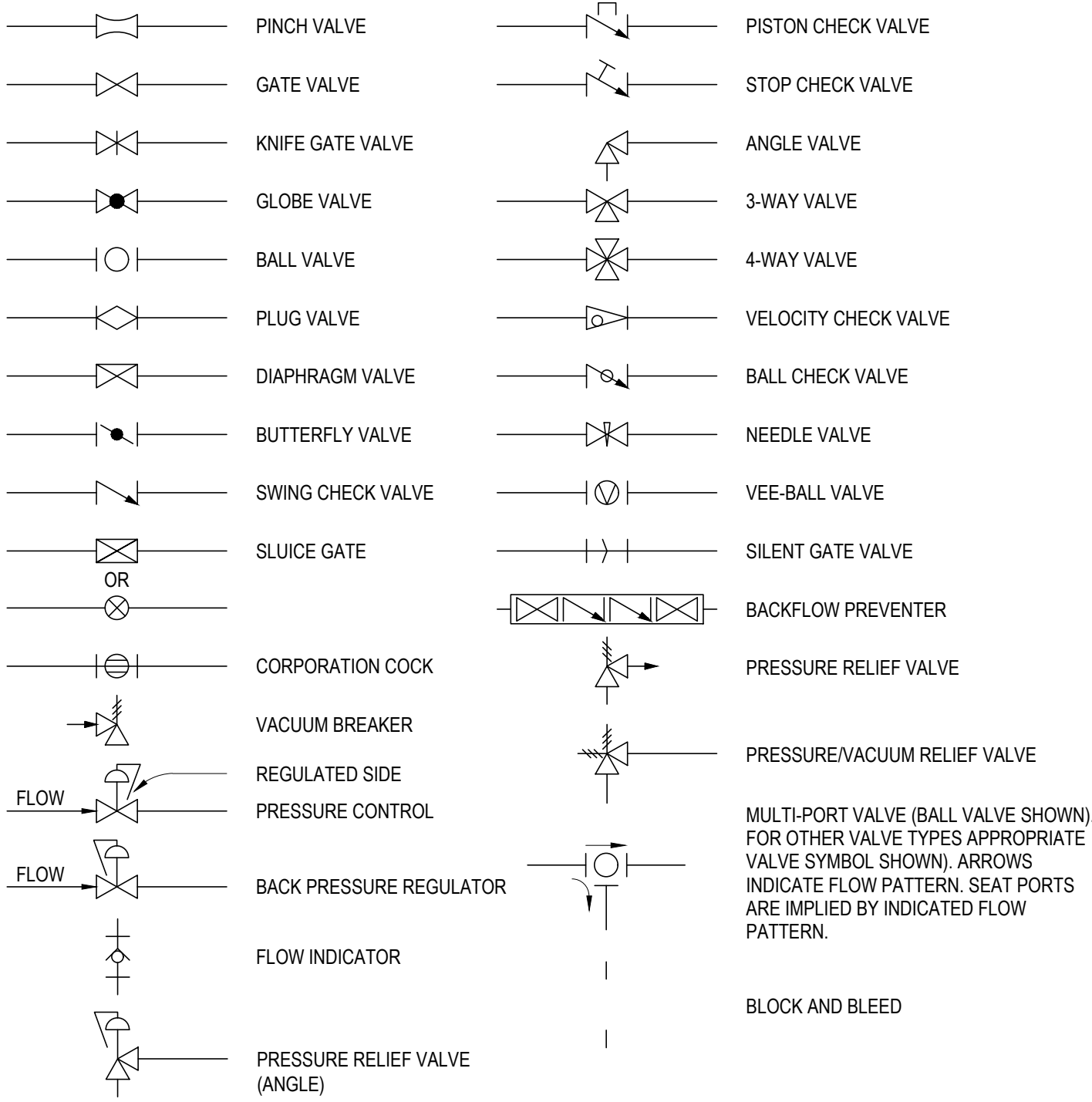
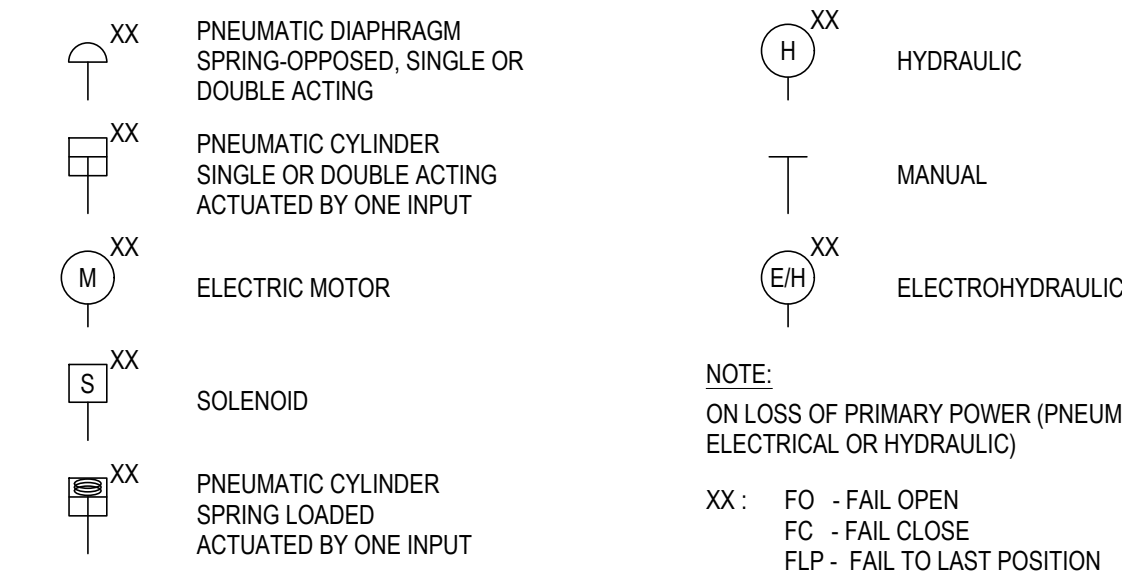


Allen Li | Jan. 4, 23 | G:\Projects\15000157001\1570015719_Cambrian_Sanitary_Lift_Station\02_CADD\20_Drafting\203_DWG\400_PID\15719-PID.dwg

VALVE SYMBOLS

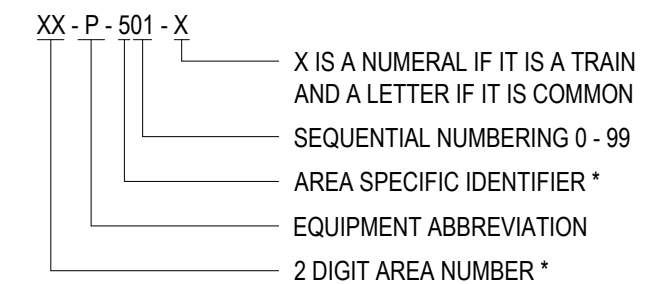


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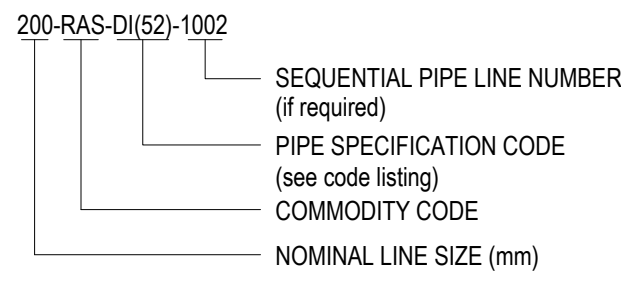


IDENTIFICATION TAGS

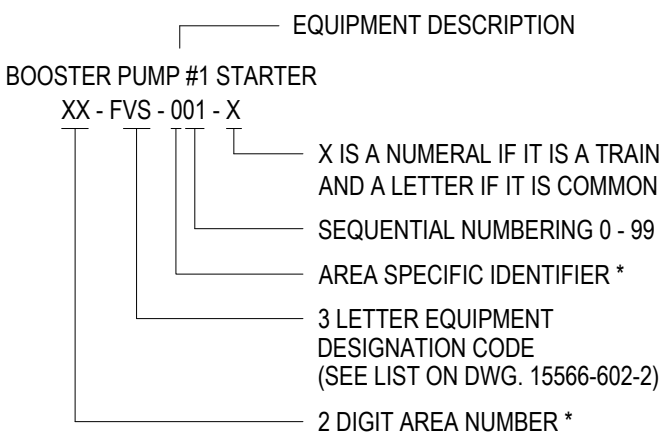
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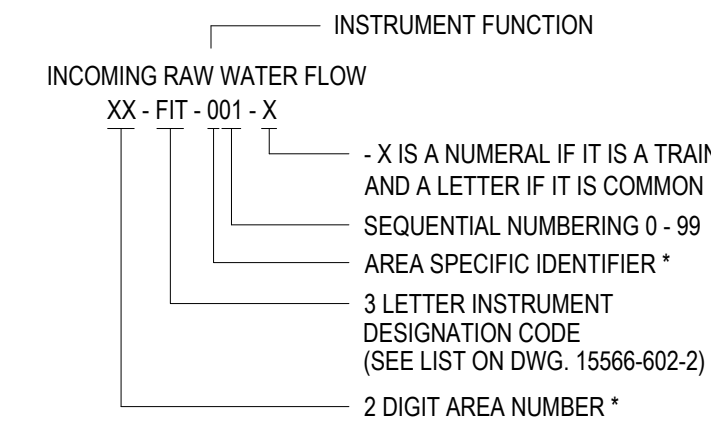
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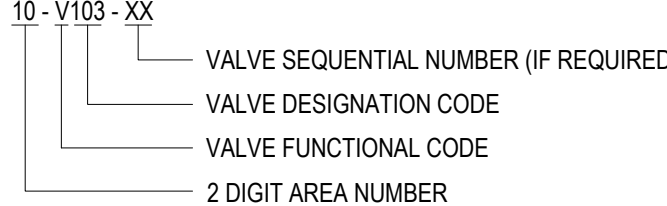
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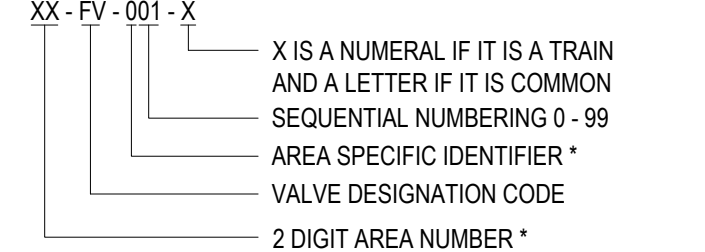
INSTRUMENT IDENTIFICATION TAG



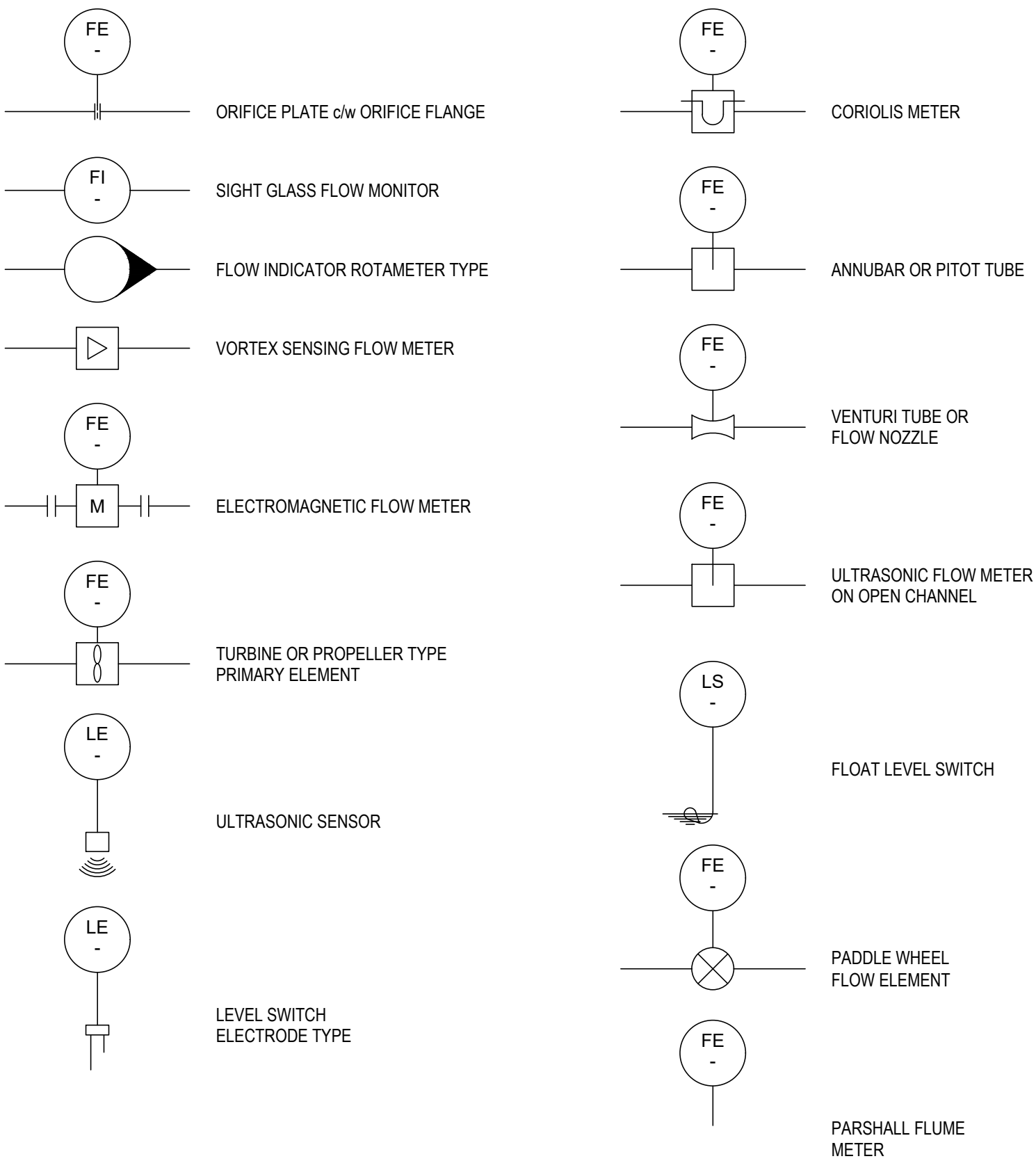
MANUAL VALVE IDENTIFICATION TAG



AUTOMATED VALVE IDENTIFICATION TAG



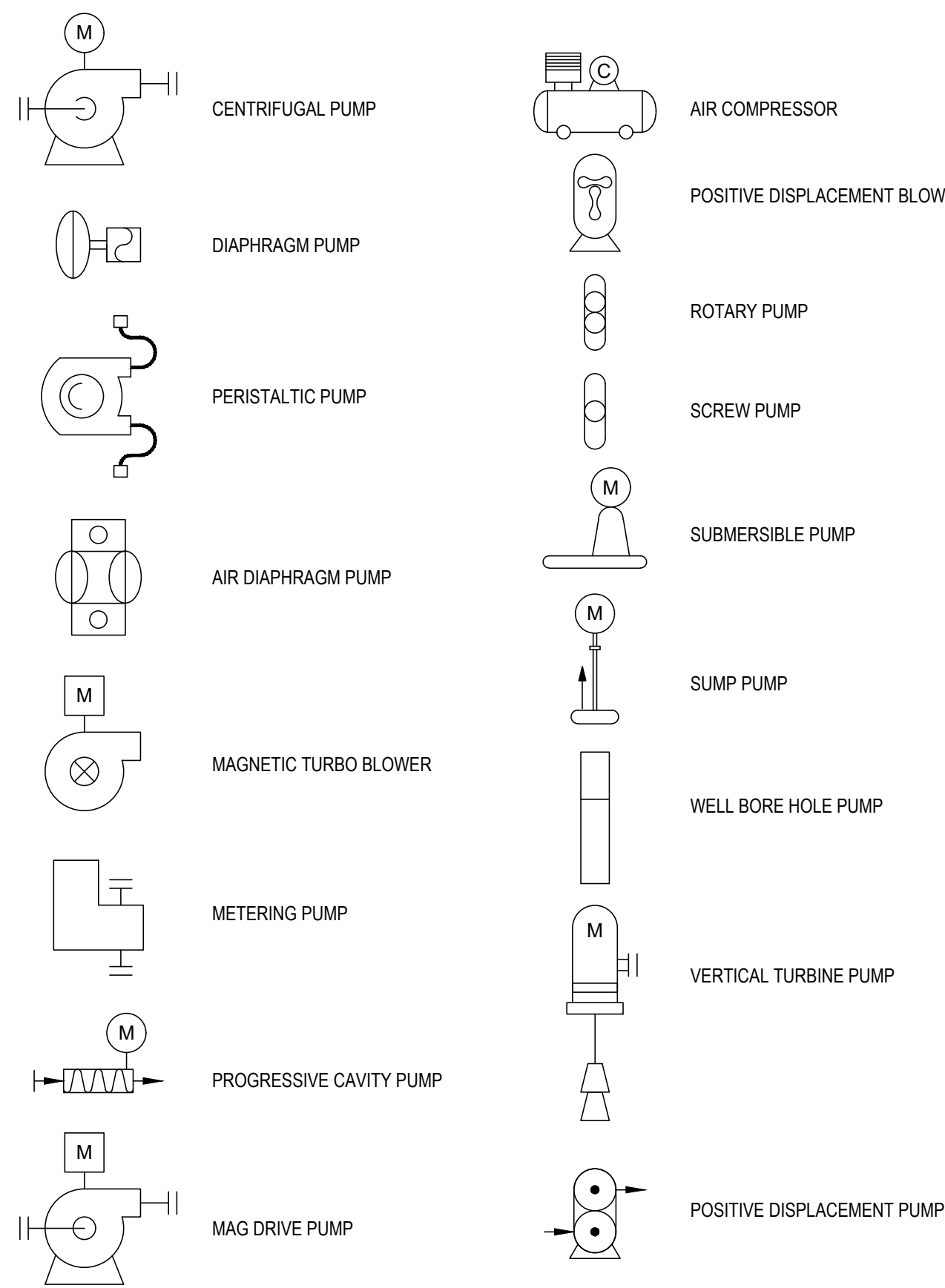
PRIMARY ELEMENT



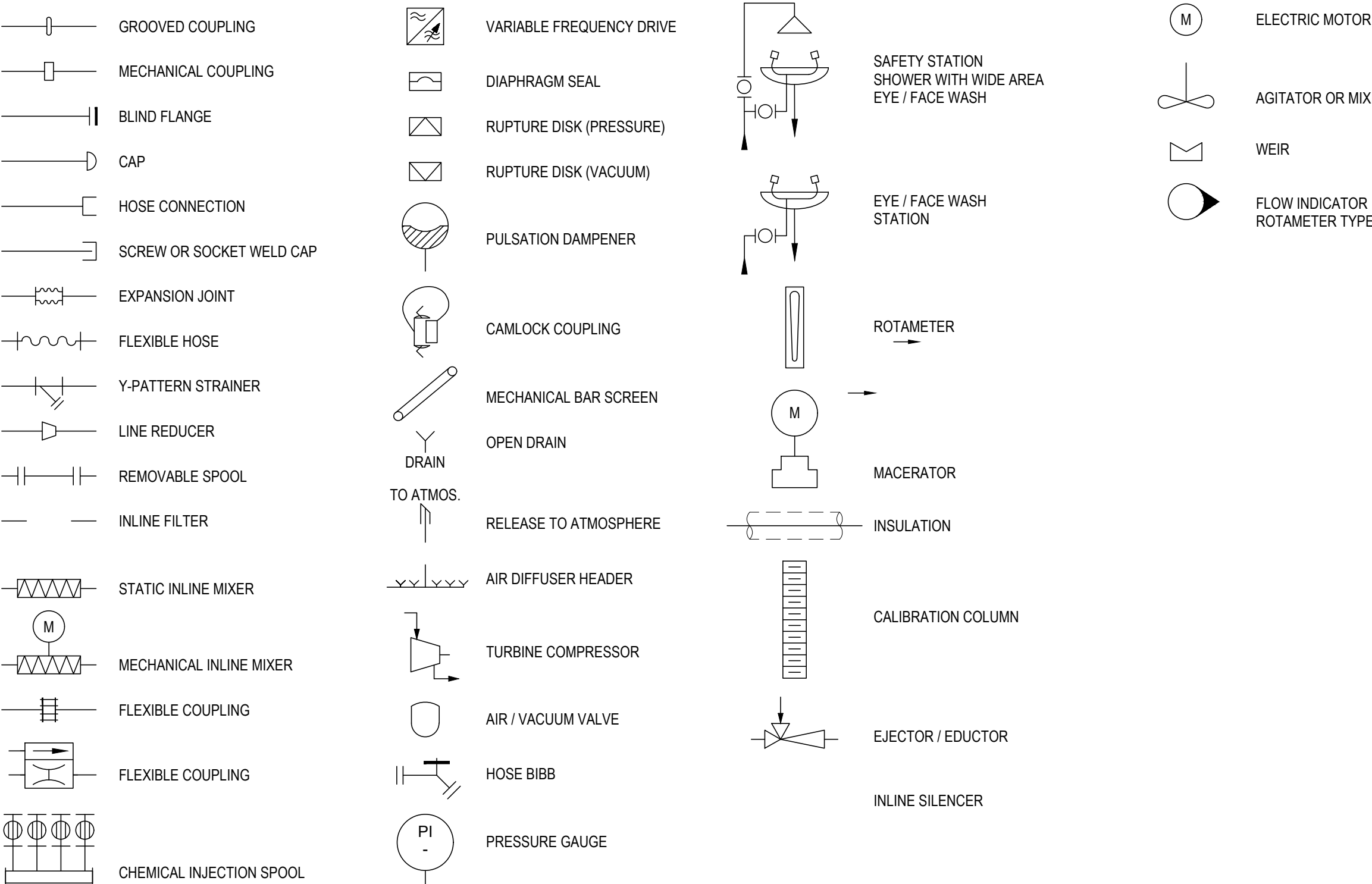
EQUIPMENT ABBREVIATIONS

AB	ABSORBER	HX	HEAT EXCHANGER
AC	AIR COMPRESSOR	IX	ION EXCHANGER
ACF	ACTIVATED CARBON FILTER	LS	LIME SOFTENER
AER	AERATOR	MBR	MEMBRANE BIOREACTOR
B	BLOWER	MCC	MOTOR CONTROL CENTER
BF	BAG FILTER	MD	MEMBRANE DEGASIFIER
C	CENTRIFUGE, CYCLONE	MF	MICROFILTRATION
CD	CONDENSER	MH	MEMBRANE HOUSING, PRESSURE VESSELS FOR MEMBRANES
CDM	CATALYTIC DESTRUCT MODULE	ML	MUFFLER, SILENCER
CF	CARTRIDGE FILTER	MMF	MULTIMEDIA FILTER
CH	CHILLER	MX	MIXER
CHL	CHLORINATOR	NF	NANO FILTRATION
CIP	CLEAN-IN-PLACE	OC	OXYGEN CONCENTRATOR
CL	CLARIFIER	ORP	OXIDATION REDUCTION POTENTIAL
CONV	CONVEYOR	OZ	OZONATOR
CORS	CATALYTIC OXYGEN REMOVAL SYSTEM	OZG	OZONE GENERATOR
CP	CONTROL PANEL	P	PUMP
CR	CRYSTALIZER	PD	PULSATION DAMPENER
CS	CHEMICAL SYSTEM	PLC	PROGRAMMABLE LOGIC CONTROLLER
CT	COOLING TOWER, CARBON TOWER	PX	PRESSURE EXCHANGER
CT	DIFFUSER	RO	REVERSE OSMOSIS
DAF	DISSOLVED AIR FLOATATION	RP	ROTARY PRESS
DMF	DUAL MEDIA FILTER	RT	RESIN TRAP
DO	DISSOLVED OXYGEN	SC	SCRUBBER
DR	DRYER	SCP	SCRAPER
E	EDUCTOR	SCR	SCREEN
EAF	ENTRAPPED AIR FLOATATION	SFT	SOFTENER
ED	ELECTRODIALYSIS	SKM	SKIMMER
EDI	ELECTRODEIONIZATION	SM	STATIC MIXER, INLINE MIXER
EDR	ELECTRODIALYSIS REVERSAL	ST	STEAM TRAP
EV	EVAPORATOR	STK	MEMBRANE STACK (ED, EDR, EDI, E-CELL)
F	FILTER	STR	STRAINER
FAN	FAN	TK	TANK
FDA	FORCED DRAFT AERATOR, DEGASIFIER	TOC	TOTAL ORGANIC CARBON
FP	FILTER PRESS	TRB	TURBINE
GF	GRAVITY FILTER	UF	ULTRAFILTRATION
H	HEATER	UPS	UNINTERRUPTED POWER SUPPLY
HF	HEPA FILTER	UV	ULTRAVIOLET IRRADIATOR
HMI	HUMAN-MACHINE INTERFACE	VD	VACUUM DEGASIFIER
HPB	HYDRAULIC PRESSURE BOOSTER		

PUMP AND COMPRESSOR SYMBOLS



MISCELLANEOUS SYMBOLS



NOTE: THIS DRAWING IS
HALF SCALE WHEN PRINTED
TO 11" x 17" FORMAT

FOR APPROVAL

No.	DESCRIPTION	BY	DATE
2	FOR APPROVAL	SM	Jan. 6, 2023
1	FOR APPROVAL	SM	Nov. 23, 2022
REVISIONS			



PERMIT TO PRACTICE
ISL Engineering and Land Services Ltd.
RM Signature: *Stephen A. McCool*
RM APEGA ID: 94184
Date: 2023-01-06
PERMIT NUMBER: P 4741
The Association of Professional Engineers and Geoscientists of Alberta

NO SCALE

Scale

ISL

MATTAMY (SHERWOOD PARK) LTD

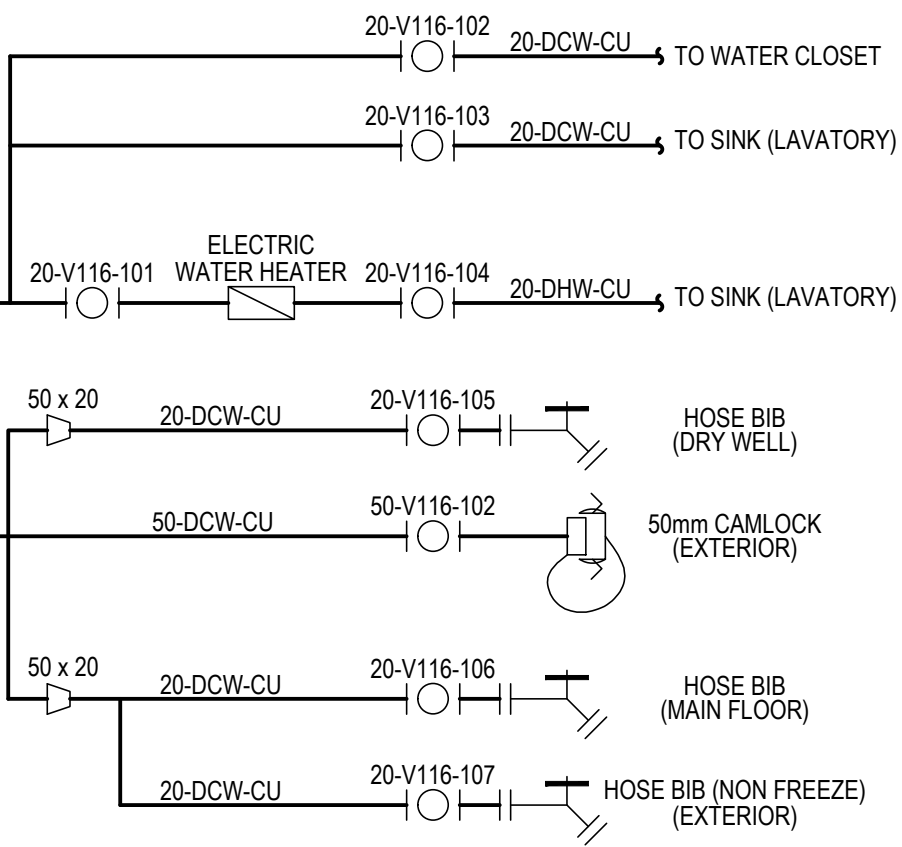
HEARTHSTONE SANITARY
LIFT STATION

Drawn: AL	Design Checked: SM	Date: Nov. 23, 2022
Designed: SM	Discipline Review: JRK	Date: Nov. 23, 2022

PROCESS & INSTRUMENTATION
DIAGRAM
SYMBOLS & LEGENDS PART2

Drawing No. 15719
PID 402

Sheet No. 402



Drawing No.
15719
PID
403

Sheet No.
403