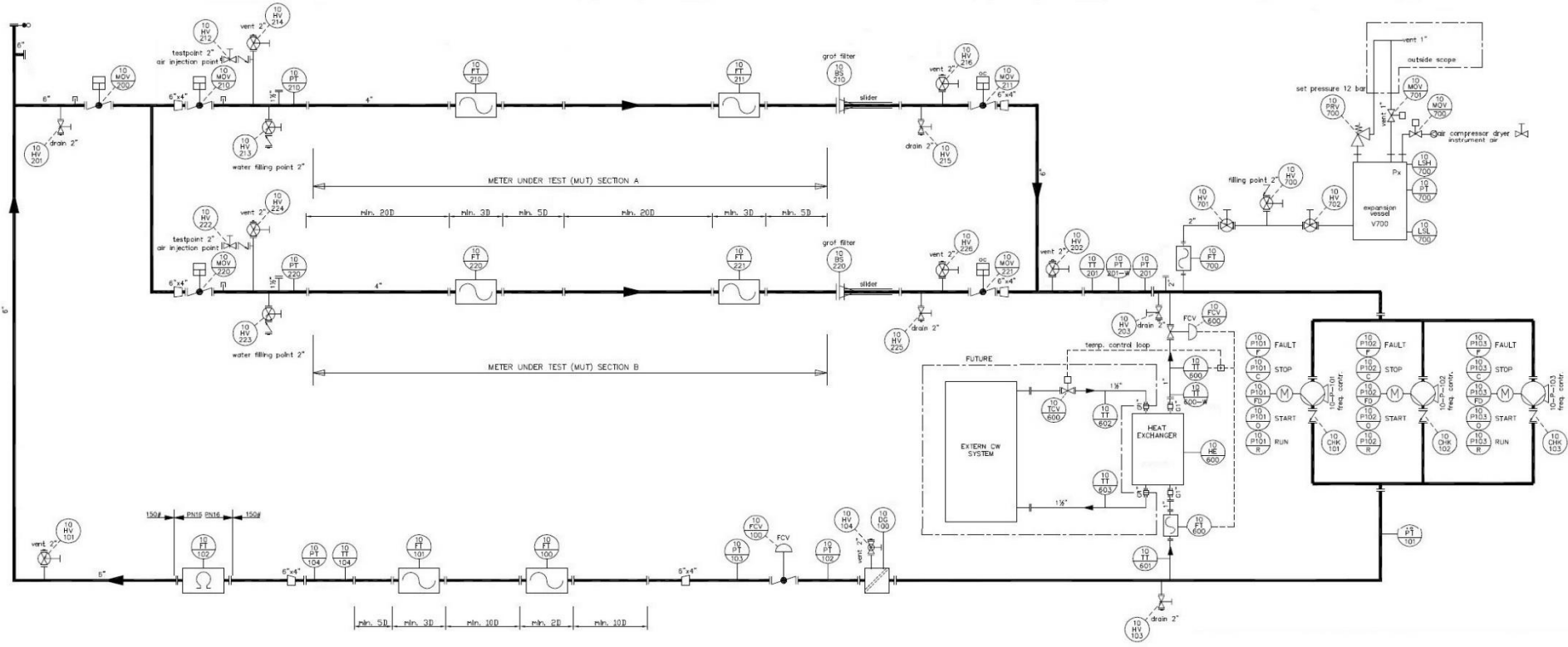






















**(as per Sept 2020)**



# P&ID XCaliber Flow Loop

## (as per Sept 2020)

PIPING SYMBOLS	INSTRUMENTATION FUNCTIONS	INSTRUMENT NUMBER
 CONCENTRIC REDUCER  PUMP  P-nnn  STRAINER / FILTER  FLOW METER  CORIOLIS METER  PRESSURE RELIEF VALVE  GATE VALVE  BUTTERFLY VALVE  BALL VALVE  CHECK VALVE  3-WAY VALVE  4-WAY VALVE  ELECTRICAL MOTOR ACTUATOR  PISTON ACTUATOR (PNEUMATIC)  DIAPHRAGM ACTUATOR  CONTROL VALVE  3-WAY CONTROL VALVE  FLOW STRAIGHTENER  SPECTICAL BLIND	FCV = FLOW CONTROL VALVE FT = FLOW TRANSMITTER LT = LEVEL TRANSMITTER PI = PRESSURE INDICATOR PT = PRESSURE TRANSMITTER TCV = TEMPERATURE CONTROL VALVE TI = TEMPERATURE INDICATOR TT = TEMPERATURE TRANSMITTER TRV = TEMPERATURE RELIEF VALVE XS = PISTON POSITION SWITCH (in PROVER) HV = HAND OPERATED VALVE DG = DEGASSER MOV = MOTOR OPERATED VALVE BS = BASKET STRAINER TS = TEMPERATURE SWITCH HE = HEAT EXCHANGER DPT = DIFFERENTIAL PRESSURE TRANSMITTER TE = TEMPERATURE ELEMENT TY = TEMPERATURE CALCULATION PRV = PRESSURE RELIEF VALVE LSH = LEVEL SWITCH HIGH LSL = LEVEL SWITCH LOW	