	INSTRUMENTATION CONNECTION
4NPT	1/4" NATIONAL PIPE THREAD
4FC	1/4" FULL COUPLING
4HC	1/4" HALF COUPLING
8NPT	1/2" NATIONAL PIPE THREAD
8FC	1/2" FULL COUPLING
8HC	1/2" HALF COUPLING
12FC	3/4" FULL COUPLING
12HC	3/4" HALF COUPLING
12NPT	3/4" NATIONAL PIPE THREAD
24FLG	1 1/2" FLANGE

SYMBOL LEGEND

- ACTUATED BUTTERFLY VALVE
- ACTUATED BALL VALVE
- ACTUATED SPRING RETURN BALL VALVE
- MANUAL BUTTERFLY VALVE
- PRESSURE REGULATOR
- BALL VALVE
- PRESSURE RELIEF VALVE
- NEEDLE VALVE
- GLOBE VALVE
- GAUGE VALVE
- FLOW CONTROL VALVE
- 4-WAY DUAL COIL SOLENOID VALVE
- 4-WAY SINGLE COIL SOLENOID VALVE
- FILTER
- ORIFICE UNION
- MUFFLER
- LOCAL MOUNT
- ROBODRAIN

VALVE FAIL ORIENTATION (FX):

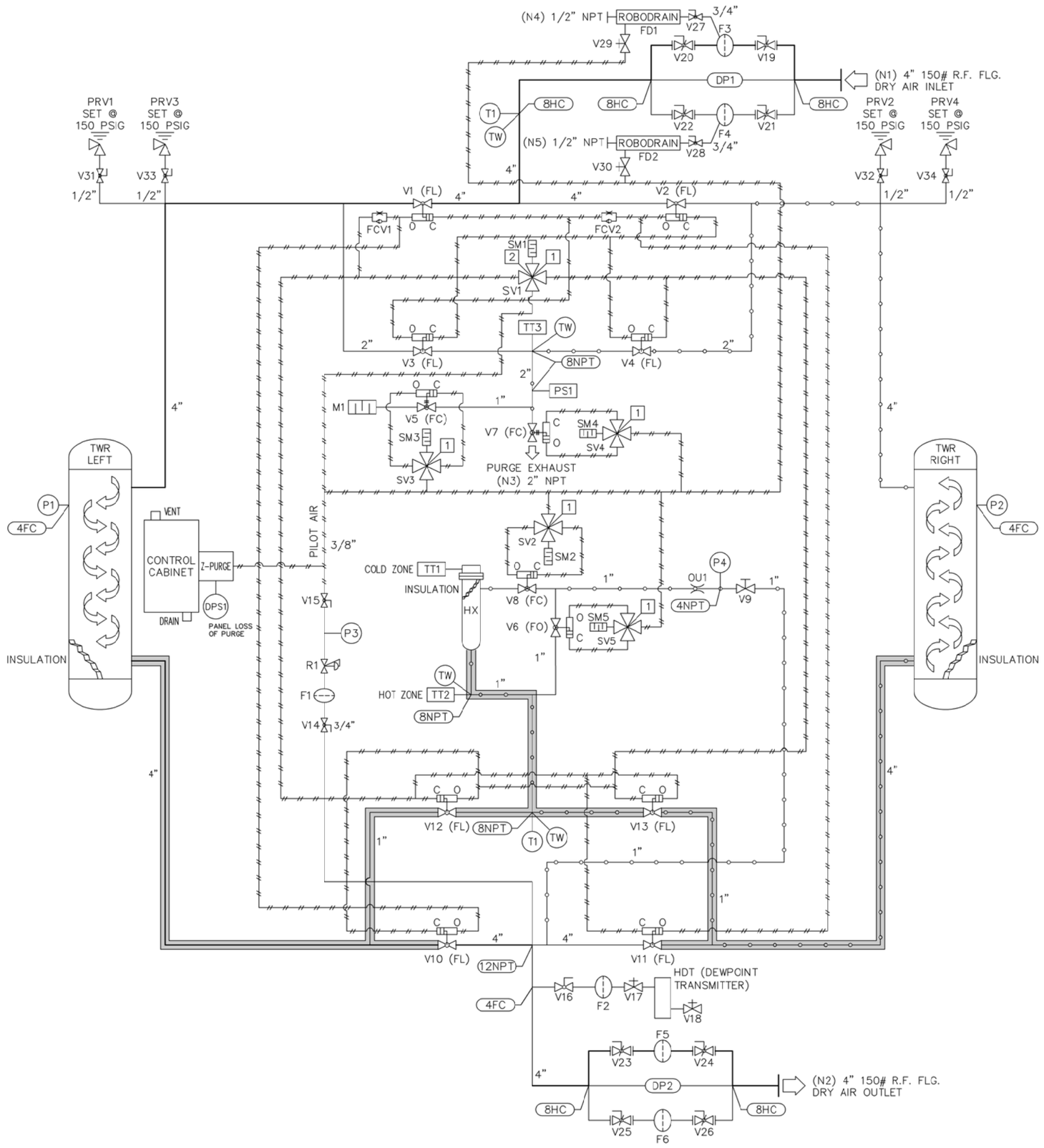
FO = FAILED OPEN
FC = FAILED CLOSED
FL = FAILED LAST

LINE LEGEND

- PROCESS AIR
- PILOT AIR
- PURGE AIR (HEATING)
- PIPING INSULATION

INSULATION THICKNESS: 1 1/2" W/ALUMINUM COVER

NOZZLE LIST		
N1	INLET	4" 150# R.F. FLANGE
N2	OUTLET	4" 150# R.F. FLANGE
N3	PURGE EXHAUST	2" N.P.T.
N4	DRAIN OUTLET	1/2" N.P.T.
N5	DRAIN OUTLET	1/2" N.P.T.



CUSTOMER TAG NUMBER	ITEM	DESCRIPTION
	DP1	PREFILTER DIFF PRESSURE GAUGE W/SWITCH
	DP2	AFTERFILTER DIFF PRESSURE GAUGE W/SWITCH
	F1	PILOT AIR FILTER
	F3 & F4	PREFILTERS
	F5 & F6	AFTERFILTERS
	FCV1	FLOW CONTROL VALVE
	FCV2	FLOW CONTROL VALVE
	FD1 & FD2	PREFILTER DRAINS
	HX	REGENERATION HEATER
	M1	DEPRESSURIZATION MUFFLER
	OU1	ORIFICE UNION
	P1 & P2	TOWER PRESSURE GAUGES
	P3	PILOT AIR GAUGE
	P4	PURGE PRESSURE GAUGE
	PRV1 & PRV3	TOWER PRESSURE RELIEF VALVE
	PRV2 & PRV4	TOWER PRESSURE RELIEF VALVE
	PS1	PURGE EXHAUST PRESSURE SWITCH
	R1	PRESSURE REGULATOR
	SM1 – SM5	SOLENOID MUFFLERS
	SV1	4-WAY DUAL COIL SOLENOID VALVE
	SV2	4-WAY SINGLE COIL SOLENOID VALVE
	SV3	4-WAY SINGLE COIL SOLENOID VALVE
	SV4	4-WAY SINGLE COIL SOLENOID VALVE
	SV5	4-WAY SINGLE COIL SOLENOID VALVE
	T1	INLET TEMPERATURE GAUGE
	T2	HEATER OUTLET TEMPERATURE GAUGE
	TT1	HEATER INLET TEMPERATURE TRANSMITTER
	TT2	HEATER OUTLET TEMPERATURE TRANSMITTER
	TT3	PURGE EXHAUST TEMPERATURE TRANSMITTER
	TW	THERMOWELLS
	TWR LEFT	DESICCANT TOWER
	TWR RIGHT	DESICCANT TOWER
	V1	INLET SWITCHING VALVE
	V2	INLET SWITCHING VALVE
	V3	OUTLET PURGE SWITCHING VALVE
	V4	OUTLET PURGE SWITCHING VALVE
	V5	DEPRESSURIZATION VALVE
	V6	REPRESSURIZATION/COOLING VALVE
	V7	PURGE EXHAUST VALVE
	V8	HEATING VALVE
	V9	PURGE FLOW REGULATING VALVE
	V10	OUTLET SWITCHING VALVE
	V11	OUTLET SWITCHING VALVE
	V12	INLET PURGE SWITCHING VALVE
	V13	INLET PURGE SWITCHING VALVE
	V14	PILOT AIR SHUT-OFF VALVE
	V15	PILOT AIR BLOCK VALVE
	V19 – V22	PREFILTER BLOCK VALVES
	V23 – V26	AFTERFILTER BLOCK VALVES
	V27 & V28	DRAIN BLOCK VALVES
	V29 & V30	DRAIN PILOT AIR BLOCK VALVES
	V31 – V34	PRESSURE RELIEF BLOCK VALVES
		HDT DEWPOINT TRANSMITTER
	HDT	DEWPOINT DEMAND SYSTEM PROBE
	F2	MINIATURE IN-LINE FILTER
	V16	DPDS SHUT-OFF VALVE
	V17 & V18	DPDS PROBE ISOLATION VALVES
		Z-PURGE
	DPS1	DIFFERENTIAL PRESSURE SWITCH

APPROVAL DRAWINGS
Please note that no material will be ordered and fabrication will not commence until written authorization to proceed, or all drawings returned marked: "APPROVED WITHOUT EXCEPTION"

TAG NUMBER: ********

REV.	DATE	DESCRIPTION OF REVISION	APPROVED
4	07/28/23	ECN: I1172	JLT
3	07/28/23	ECN: I1169	DTW
2	06/07/23	ECN: I1167	SMM
1	4/12/23	ECN: I1156	JLT

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Ingersoll Rand
INDUSTRIAL AIR SOLUTIONS, HEAVY INDUSTRIAL SYSTEMS
P.O. BOX 1600, 800-A BEATY ST. DAVIDSON, N.C. 28036

EXHAUST PURGE DRYER EP-1540-X FLOW DIAGRAM

SCALE: NONE	DRAWN BY: JLT	DATE: 09/15/22	APPROVED:
UNLESS SPECIFIED TOLERANCES ARE ENGLISH: +/- METRIC: +/-	SERIAL NO.	JOB ORDER NO.	DWG.NO. 21047-2