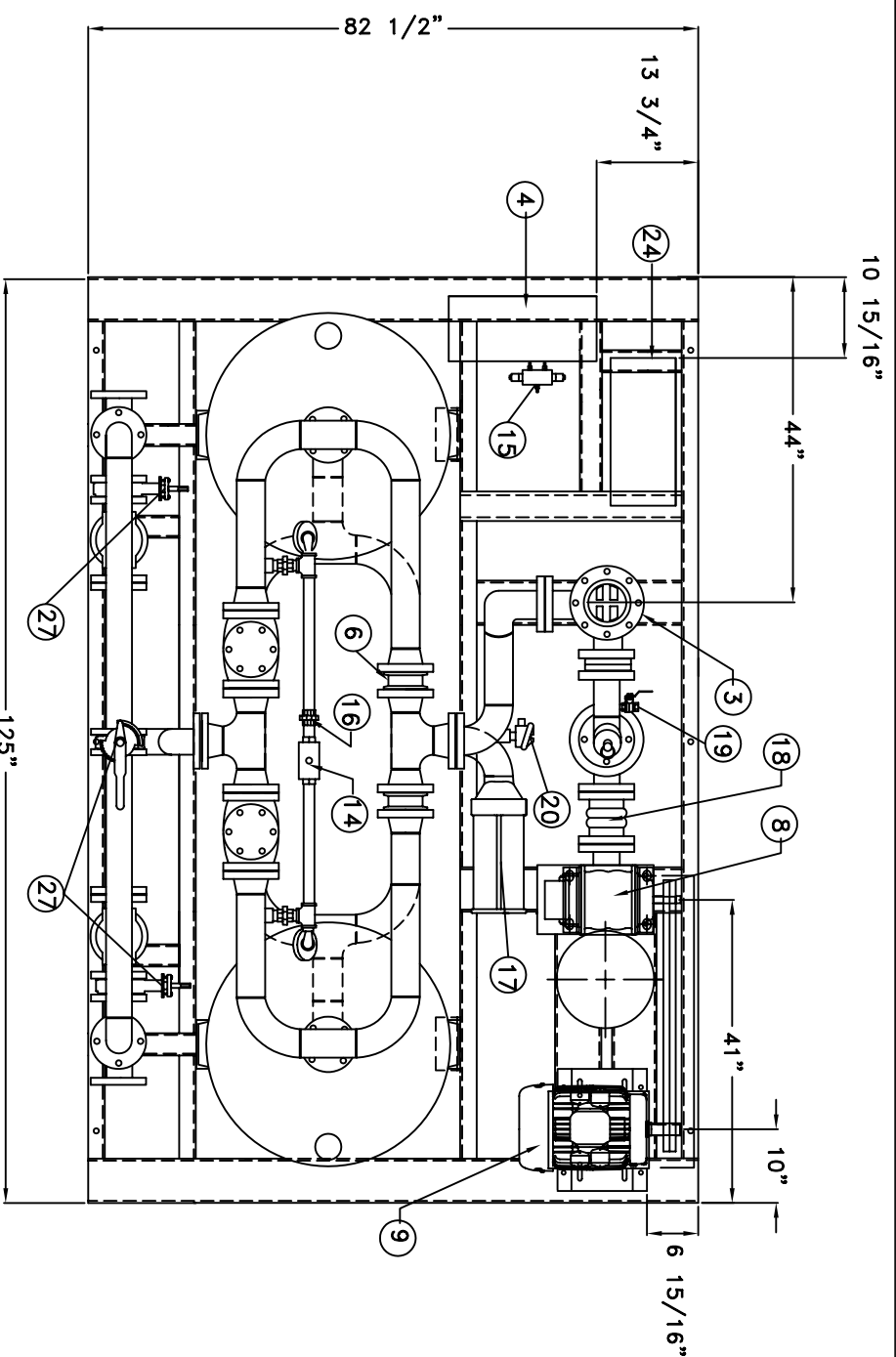


REVISION		DATE
REV.	DESCRIPTION	DATE
A		10/19/00



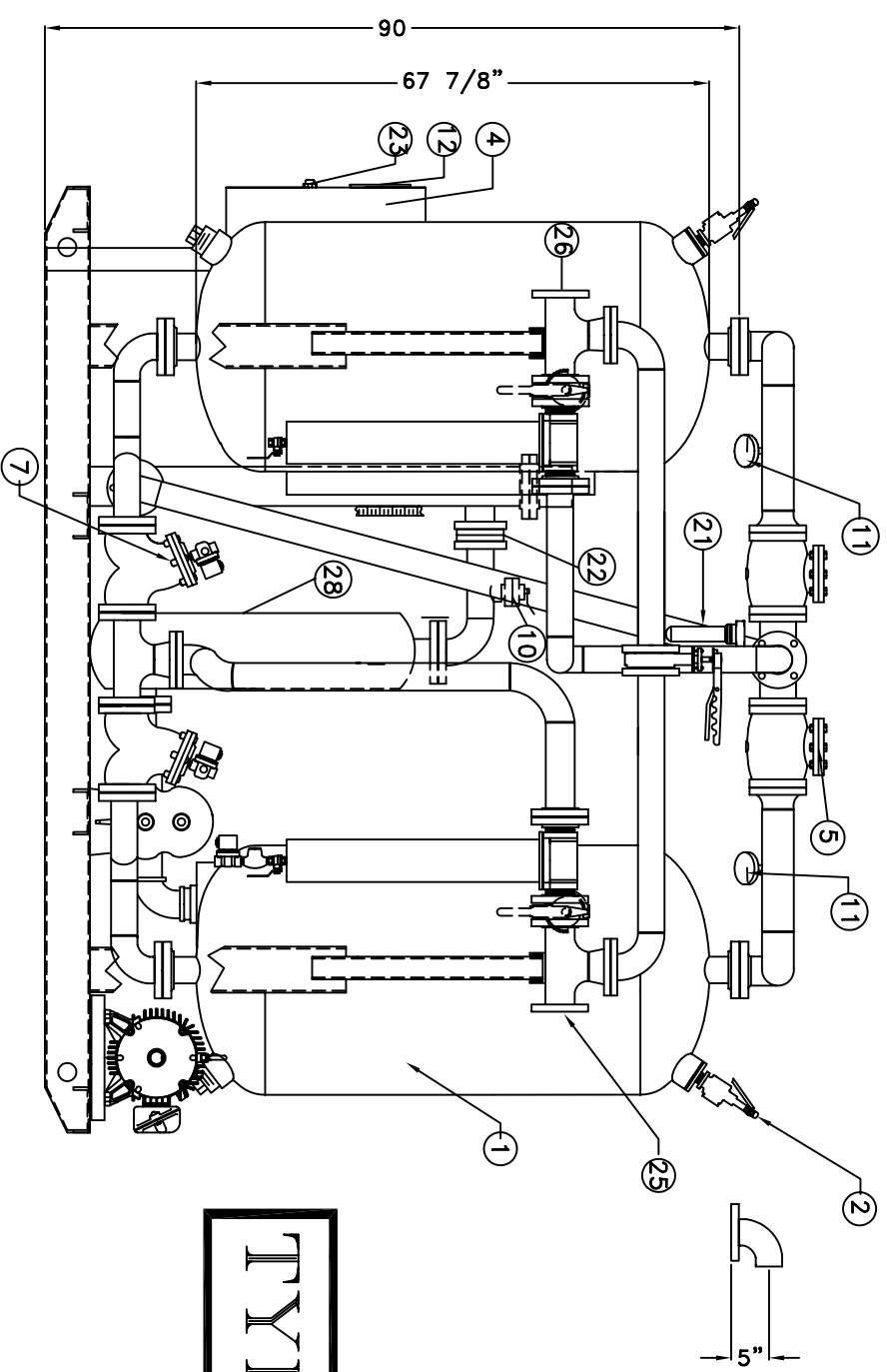
SYM QTY DESCRIPTION

1	2	PHL2000 DESICCANT TOWER, ASME CODED
2	2	PR.RELIEF VALVE, KUNKLE 1 1/4"NPT SET@150PSIG
3	1	HEATER, 20 KW, 380-415V-3-50HZ
4	1	LOW VOLTAGE ELECTRICAL ENCLOSURE
5	2	OUTLET SWING CHECK VALVE, KITZ 3"FLG. TYPE, #125, C.I.
6	2	REGENERATION CHECK VALVE, 3"WAFER STYLE, TECHNOCHECK
7	2	EXHAUST VALVE, AQUAMATIC 3"ISOLATED BONNET
8	1	ROOTS BLOWER, UNIVERSAL-RAI, FRAME SIZE-36
9	1	MOTOR, 5HP, 2850RPM 380-415V/3/50hz
10	1	PRESSURE RELIEF VALVE, SET @6PSIG, 2"NPT
11	2	PRESSURE GAUGE, 2 1/2" DIAL
12	1	PHE ANNUNCIATOR PANEL, PHE-D200
13	1	BLOWER INTAKE FILTER SILENCER 3"NPT
14	1	REPRESSURIZATION / DRY AIR COOLING BALL VALVE WITH ACTUATOR, 3/4"NPT
15	1	TOWER SOLECTOR VALVE, SC8401A105
16	1	REPRESSURIZATION ORIFICE UNION, 3/4"NPT
17	1	PURGE EXHAUST MUFFLER, 3"NPT
18	1	VIBRATION ISOLATOR
19	1	1/2"NPT BALL VALVE
20	1	THERMOCOUPLE, "J" TYPE, HEATER CONTROL
21	1	CONTROL AIR FILTER, PS100
22	1	BLOWER CHECK VALVE, 3" WAFER STYLE, TECHNOCHECK.
23	1	ON-OFF SWITCH
24	1	HIGH VOLTAGE ELECTRICAL ENCLOSURE
25	1	AIR INLET, 3" FLANGE
26	1	AIR OUTLET, 3" FLANGE
27	1	3" WAFER STYLE BUTTERFLY VALVE
28	1	3" URY STANDARD TYPE SILENCER

PRELIMINARY DRAWING
DO NOT USE FOR PRE-PIPING

NOTES:

1. ALL DIMENSIONS ARE IN INCHES
2. DESICCANT: ACTIVATED ALUMINA, 800 LBS PER TOWER
3. DRYER WEIGHT W/O DESICCANT: 3400 LBS
4. DESICCANT TOWERS & HEATER SHELL AND HOT AIR PURGE PIPING WILL BE INSULATED.
5. TOTAL OPERATING WEIGHT: 5000 LBS
6. DESIGN SPECIFICATIONS :
AIR FLOW : 1200 SCFM
INLET AIR PRESSURE : 100 PSIG.
INLET AIR TEMP. : 100°F
MAX. DESIGN PRESSURE : 150 PSIG
MAX. DESIGN TEMP.(DESICCANT TOWERS) : 450°F



TYPICAL

DRAWN BY: J.BROCK	DATE: 04/26/01	CHECKED BY:	DATE:	APPROVAL BY:	DATE:
MEDIA: AIR	VOLTAGE: ?	DESIGN TEMPERATURE: ?	CAPACITY: 1200	SCFM	
DESIGN PRESSURE: 150 PSIG	DESIGN TEMPERATURE: 450 F	OPERATING PRESSURE: 100 PSIG	OPERATING TEMPERATURE: 100 F	SCALE: 3/4" = 1'-0"	
MANUFACTURING TOLERANCE: ±1/4" ALL DIMENSIONS ARE IN INCHES	APPROX. SHIP WEIGHT: 3400 LBS.				
DIMENSIONS ±1/4" ALL DIMENSIONS ARE IN INCHES					
UNAUTHORIZED USE, MANUFACTURE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED.					
DRAWING DESIGN OR OTHER DISCLOSURES PROPERTY OF PIONEER AIR SYSTEMS, INC.					

PIONEER
AIR SYSTEMS, INC.
WARTBURG, TN, USA 2001

PHEB1200
BEST AIRE SIVER
GENERAL MECHANICAL LAYOUT

P.O. NUMBER: ?	DRAWING NUMBER: PHEB1200	REV: A	QTY: 1	SHEET: 1 OF 1
PIONEER INFO ONLY: ?				