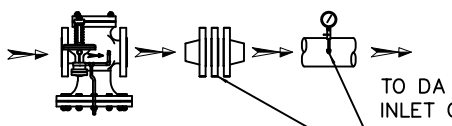
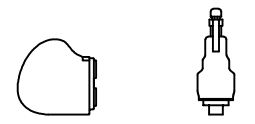
ITEMS TO SHIP LOOSE

STEAM INLET PRV w/NOISE SUPPRESSION (IF REQUIRED)



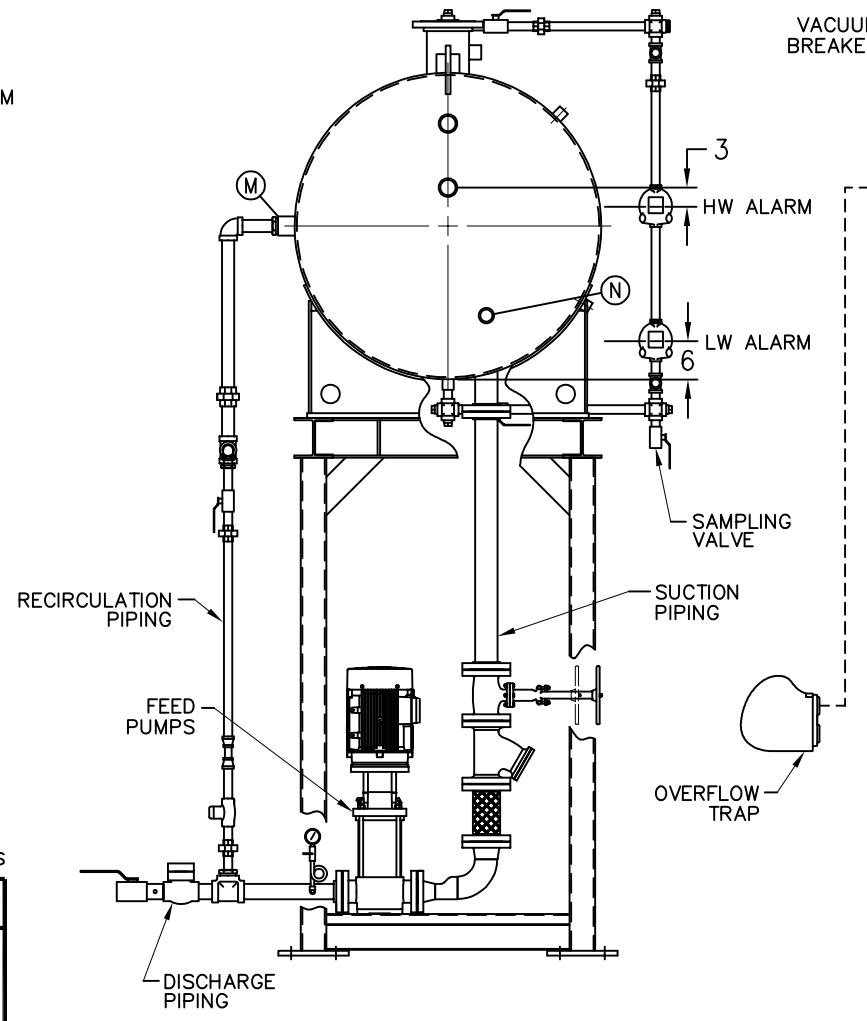


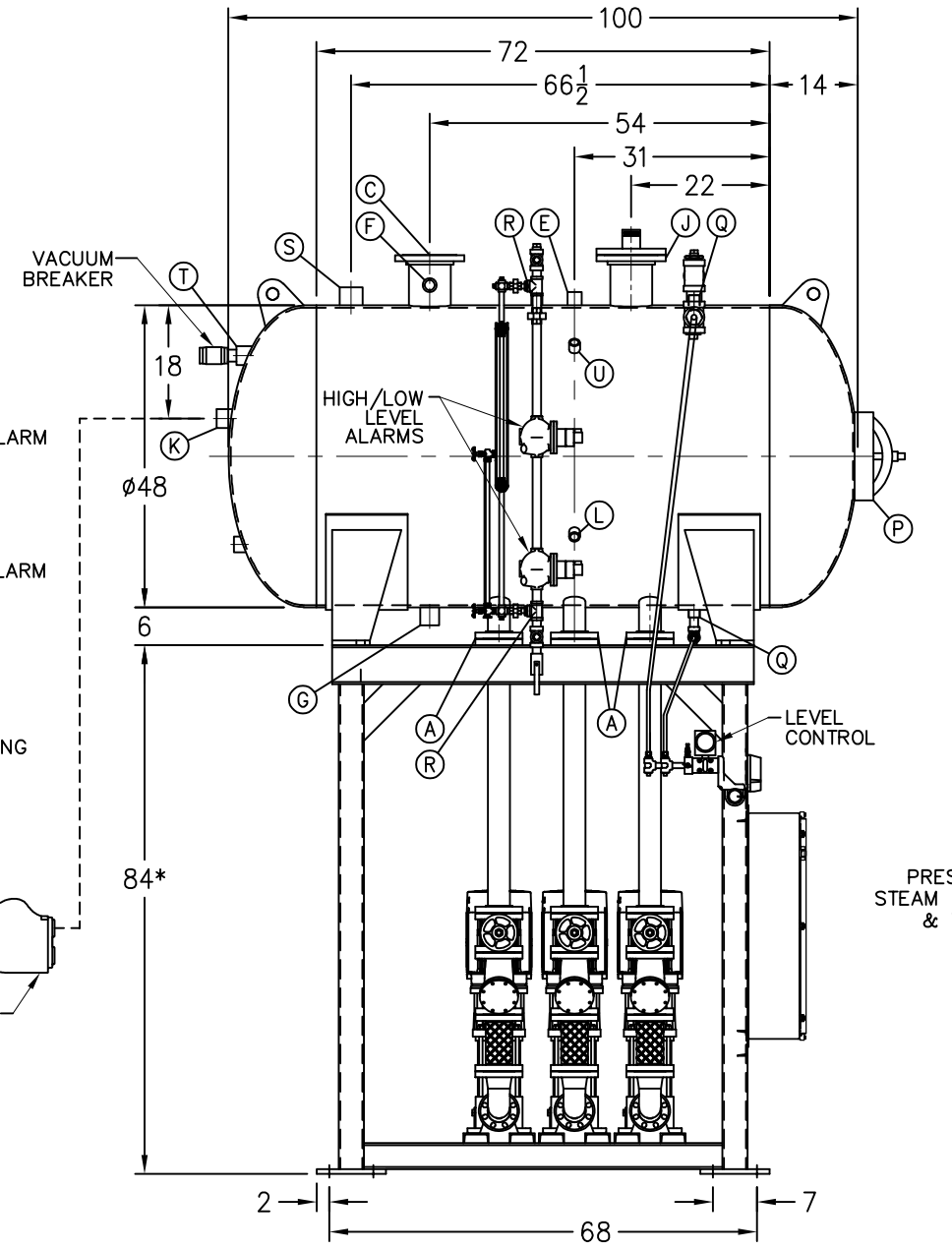
(D) LOW TEMP. RETURN (<180 °F)

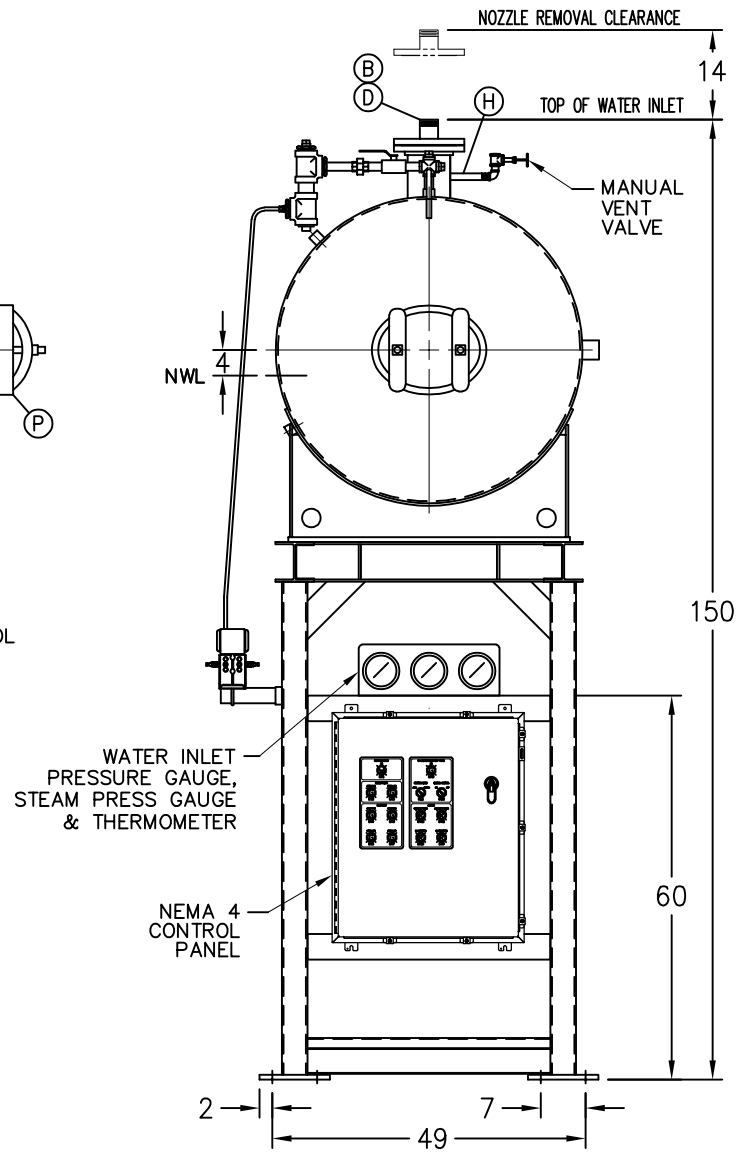
(E) MEDIUM TEMP. RETURN (180–227 °F)

(F) HIGH TEMP. RETURN (>227 °F)

* STAND HEIGHT SUBJECT TO PUMP NPSH REQUIREMENTS
PUMPS SIZED TO SPECIFIC JOB REQUIREMENTS.
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING.
PANEL SIZE MAY VARY DEPENDING ON JOB REQUIREMENTS







DEAERATOR TANK CONNECTIONS

A. (3) PUMP SUCTION	3 FLG	IN.
B. (1) WATER INLET	2 1/2	IN.
C. (1) STEAM INLET	6 FLG	IN.
D. (1) LOW TEMP. RETURN	2 1/2	IN.
E. (1) MED TEMP RETURN	1 1/4	IN.
F. (1) HI TEMP RETURN	1 1/4	IN.
G. (1) DRAIN	2	IN.
H. (1) MANUAL VENT	3/4	IN.
J. (1) VENT CONDENSOR	6 FLG	IN.
K. (1) OVERFLOW	2	IN.
L. (1) THERMOMETER	1	IN.
M. (1) RECIRCULATION	2	IN.
N. (1) CHEMICAL FEED	1 1/2	IN.
P. (1) MANWAY	12 X 16	IN.
Q. (2) LEVEL CONTROLS	1	IN.
R. (2) LEVEL ALARMS	1	IN.
S. (1) RELIEF VALVE	2 1/2	IN.
T. (1) VACUUM BREAKER	2	IN.
U. (1) AUXILIARY CONN.	1	IN.

CONNECTIONS NPT UNLESS NOTED, FLANGES 150# UNLESS NOTED

RATING & CAPACITIES

DA TYPE	SPRAY
CAPACITY	21,000 LBS/HR
DA SECTION CAPACITY	430 GALS.
DA STORAGE CAPACITY	10 MINUTES MIN.
DESIGN PRESSURE	50 PSIG STEAM
DESIGN TEMP.	400° F
DEAERATION	.005 CC/LITER
OPERATING PRESSURE	5 PSIG
DRY WEIGHT.	3,623 LBS
OPERATING WEIGHT.	5,952 LBS
FLOODED WEIGHT.	7,046 LBS

THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL.

SHIPPING WEIGHT

TANK (EMPTY)	2,469	LBS.
STAND/PUMPS	3,064	LBS.

LTR.	DATE	REVISIONS	BY

NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER DRAWING.
3. ALL DIMENSIONS ARE ±1" UNLESS OTHERWISE NOTED.
4. DA TANK DESIGN CODE ASME SECTION VIII, DIV 1
5. DEAERATE ALL LOADS FROM 3%TO 100% OF RATED OUTLET CAPACITY
6. ELIMINATE TITRATABLE FREE CARBON DIOXIDE TO 0.
7. CORROSION ALLOWANCE 1/16".
8. TANK SEPARATED FROM STAND FOR SHIPMENT.
9. SUPERIOR BOILER, INC. RESERVES THE RIGHT TO FURNISH TRIM SHOWN OR AN EQUAL SUBSTITUTE AS DETERMINED BY SB.

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER AND SHALL NOT BE REPRODUCED IN PART OR IN WHOLE, AND NONE OF ITS INFORMATION SHALL BE REVEALED WITHOUT PERMISSION OR TO THE DETRIMENT OF THE OWNER, IT MUST BE RETURNED UPON REQUEST.

SOLD TO: SB

JOB: SB

DRAWN BY:	DATE	CHECKED BY:	DATE

DRAWING NAME

DEAERATOR, SPRAY

MODEL NO: SS021T155–125

SIZE: 430 GALLONS

SUPERIOR BOILER

SCALE 1/30

DRAWING No