



BOILER CONNECTIONS		RATINGS & CAPACITIES		LR	DATE	REVISION	BY	REPRESENTATIVE
A.(1) STEAM OUTLET	4" NPT	HORSEPOWER	81					X
B.(3) LWCO	1" NPT	DESIGN PRESSURE	15 PSIG STEAM					
C.(1) SAFETY VALE	2" NPT	GROSS OUTPUT	2,042 MEH					
D.(1) SAFETY VALVE	2" NPT	STEAM (FROM & AT 212°F)	2,106 LBS/HR					
E.(4) BOILER BLOWDOWN	2" NPT	HEAT RELEASE: (FURNACE ONLY)	112,578 BTU/CuFt					
F.(1) SURFACE BLOWDOWN	2" NPT	RATED INPUT	2,552 MEH					
G.(1) MANWAY		HEATING SURFACE (ASME)	308 SqFt					
H.(3) HANDHOLE	3" x 4"	FURNACE HEATING SURFACE	28.04 SqFt					
J.(1) SIGHTPORT	1" NPT	FURNACE VOLUME:						
K.(1) FEED WATER	4" NPT	FURNACE ONLY	22.87 CuFt					
L.(1) AUXILIARY/ VENT	1 1/2" NPT	STEAMING VOLUME	8.47 CuFt					
M.(1) STACK TEMP	1/2" NPT	STEAM RELEASE AREA	17.18 CuFt					
N.(1)		WATER CAPACITY:						
P.(1)		(FULL)	438 Gal @ 3,618 Lbs					
Q.(1)		(MIN.)	371 Gal @ 3,088 Lbs					
R.(1)		SHIPPING WEIGHT:	6,400 Lbs					
S.(1)								

NOTES		CHECKED BY		DATE	
1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.		X	X		
2. SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.					
3. BOILER DESIGN CODE ASME SECTION I					
4. BOILER INSULATED WITH 2" - 84 DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.					
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.					
6. HORSEPOWER & RELATED INFO BASED ON 5 SgF FIRING.					

SUPERIOR BOILER		OSAGE		BOILER MODEL	
		3-X-306-S15-M			
SCALE		DRAWING No			
1/34		X			

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