



BOILER CONNECTIONS		RATINGS & CAPACITIES		LBN DATE		REVISION		BY REPRESENTATIVE	
A.(1) STEAM OUTLET	8" 300# FLG	HORSEPOWER	1000 HP						
B.(3) WICO	1" NPT	DESIGN PRESSURE	150 PSIG STEAM						
C.(4) SAFETY VALVE	2" NPT	GROSS OUTPUT	33,475 MBH						
D.(1) SAFETY VALVE	2" NPT	STEAM (FROM & AT 212°F)	34,500 LB/Hr						
E.(2) BOILER BLOWDOWN	2" NPT	HEAT RELEASE (FURNACE ONLY)	166,257 BTU/Hr @ 212°F						
F.(1) SURFACE BLOWDOWN	1" NPT	RATED INPUT	41,844 MBH						
G.(1) MANWAY	12" x 18"	HEATING SURFACE (ASME)	3914 SqFt						
H.(5) HANDHOLE	3" x 4"	FURNACE HEATING SURFACE	295.59 SqFt						
J.(1) CLEANOUT	20" PIPE	FURNACE VOLUME	257.74 CuFt						
K.(2) FEEDWATER	2" NPT	TURNOAROUND VOLUME	79.15 CuFt						
L.(1) AUXILIARY/VENT	2" NPT	STEAMING VOLUME	239.03 CuFt						
M.(1) LOW FIRE HOLD	1/2" NPT	STEAM RELEASE AREA	168.08 SqFt						
N.(1) STACK TEMP	1/2" NPT	WATER/STEAM/TMP:							
O.(1) SIGHT PORT	1" NPT	(FALL) 5.977 Gal	58.032 Lbs						
P.(1) CHEMICAL FEED	1" NPT	(WVL) 5.198 Gal	43.180 Lbs						
R.(1)		SHIPPING WEIGHT:	53,700 Lbs						
S.(1)									

### NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRECEDENCE OVER R & D SHEET.
3. BOILER DESIGN CODE ASME SECTION I.
4. BOILER INSULATED WITH 2" - 6# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
5. ALL DIMENSIONS ARE 1/2" UNLESS OTHERWISE NOTED.
6. HORSEPOWER & RELATED INFO BASED ON 3.5 S&F FRING.

<b>Superior</b> <b>BOILER</b>	DESIGNED BY <b>M. MATALLAH</b>	DATE <b>3-19-20</b>
	DRAWN BY <b>X</b>	

**WICHITA**

10-3.5-3500-S150-WB-G

SCALE

1/70

DRAWING No.

X

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