SUPERIOR BOILER WORKS, Inc.

SPEC SHEET - STEAM PAGE 1 OF 2

S.O. NO. _____ NAT.BOARD NO. _____

DATE RECEIVED: _____ SHIP WEEK OF _____

STATUS: WA&R [ ] RELEASED [X] DATE _____

SUBMITTALS REQ'D: 1 SETS PROPOSAL _____

R&D SHEET [X] W.D. [X] SUBMITTAL NO. _____

BURNER [ ] GAS PIPING [ ] OIL PIPING [ ]

DATE REQ'D: _____ MANUALS REQ'D: _____

JOB: SBW STOCK

LOCATION: HUTCHINSON, KS

SOLD TO: SUPERIOR BOILER WORKS, INC.
3524 EAST 4TH STREET
HUTCHINSON, KS 67504

MODEL: SG8-5-200-S150-PF-G

NOMINAL HP 40 OUTPUT _____ MBH

SECTION 1

DESIGN PRESSURE 150 PSI STEAM

OPERATING PRESSURE _____ PSI STEAM

NAMEPLATE: SUPERIOR PAINT BLUE

STACK DAMPER: [ ] W/LOCKING QUAD [ ] W/BEARINGS [ ]

STACK THERMOMETER ASHCROFT/30E160R060 [L]

DIAL 3" STEM 6" RANGE 100-800 ºF

BOILER J-BOX [M] 12" X 12" X 4" RS [ ] LS [X]

GAUGE GLASS [X] TRI-COCKS [X] CHAIN OPERATED [ ]

PRIMARY L.W.C.O. RS [ ] LS [X] TOP [ ]

MODEL MM157S [M]

WATER COLUMN BLOWDOWN VALVE(S); [M]

[1] APOLLO FIG. NO. 70-105-01 SIZE 1"

AUX. L.W.C.O.: RS [ ] LS [ ] TOP [X]

MODEL 26MB1AOF/3E1B [M]

HIGH WATER RS [ ] LS [ ] TOP [ ]

CUTOFF [ ] ALARM [ ]

MODEL N/A [ ]

			PSI	
[1]	OPERATOR	L404F1102	RANGE 10-150	[M]
[1]	LIMIT	L4079B1041	RANGE 10-150	[M]
[1]	FIRING RATE	L91B1050	RANGE 5-150	[M]
[1]	LOW FIRE HOLD/PB10A/KJ11A1		RANGE _____	[M]

STEAM GAUGE: W/GAUGE/TEST COCK [X]

ASHCROFT FIG. NO. 1279AS [L]

DIAL 4.5" RANGE 0-300 PSI W/SYPHON [ ]

AIR VENT VALVE: N/A SIZE _____ [ ]

TURBULATORS: [M] BROCK TYPE MM

SAFETY VALVE(S): KUNKLE [L]

[1] 6021ED SIZE .75" X 1.00" SET @ 150 PSIG

[ ] _____ SIZE _____ SET @ _____ PSIG

FEEDWATER VALVE(S): RS [X] LS [ ] [ ]

GATE: DSI FIG. NO. 4121 SIZE 1"

CHECK: DSI FIG. NO. 4321 SIZE 1"

****

FEEDWATER CONTROL: ON-OFF ____ ELECT.MOD. X

PNEUMATIC MOD. ATO ____ ATC ____

LEVEL CONTROLLER INTEGRAL TO LWCO [M]

VALVE MAKE _____ MODEL NO. _____ SIZE _____

SEAT _____ CLASS _____ LEAKAGE RATE _____

IMPORTANT: VALVE SELECTION BASED ON MINIMUM ____ PSI PRESSURE DROP ACROSS VALVE. PUMP SUPPLY PRESSURE TO BE APPROXIMATELY ____ PSI ABOVE BOILER OPERATING PRESSURE. DO NOT EXCEED ____ PSI DROP ACROSS VALVE.

3-VALVE BY-PASS: [ ]

[ ] GATE N/A FIG. NO. _____ SIZE _____

[ ] GLOBE N/A FIG. NO. _____ SIZE _____

****

CHEMICAL FEED VALVES: RS [ ] LS [ ] [ ]

[ ] N/A FIG. NO. _____ SIZE _____

[ ] N/A FIG. NO. _____ SIZE _____

SURFACE BLOWDOWN VALVE(S): RS [X] LS [ ] [M]

METERING TASCO FIG. NO. 4455 SIZE .25"

STOP DSI FIG. NO. 4121 SIZE 1"

FULL LENGTH SKIMMER [ ] N/A

BOTTOM BLOWOFF VALVE(S): RS [X] LS [ ] [M]

[1] EVERLASTING FIG. NO. 4000-A SIZE 1"

[1] UNITED BRASS FIG. NO. 226UT SIZE 1"

COMPLETED BY:		DATE
SALES:	ELC	2/14/10
ENG.:	MM	2/15/10

BOILER TO MEET THE FOLLOWING CODES:

CSD-1 [ ] UL LABEL [ ] [ ] _____

LOW-FIRE ELECTRICAL TEST ONLY [ ] FULL FIRETEST [X]

[M]	SHIPPED MOUNTED	[N/A]	NOT APPLICABLE
[L]	SHIPPED LOOSE	[N/S]	NOT SUPPLIED
[P]	PREPIPED/SHIPPED LOOSE	[CF]	CUSTOMER FURNISHED

REVISIONS

REV.	DATE	BY

SUPERIOR BOILER WORKS, Inc.

SPEC SHEET - GAS PAGE 2 OF 2

S.O. NO. _____ BURNER S/N _____

BURNER ORDERED ☐ P.O. NO. _____ IN STOCK ☐

BURNER MFG POWER FLAME MODEL C2-G-15

FUELS: GAS TYPE NATURAL ALTITUDE 2000 FT. OR LESS

FIRING RATE: GAS 1680 CFH OF 1000 BTU/CF

BURNER OPERATION: ON/OFF FIXED AIR ☐ ON/OFF W/L.F.S. ☐

HI-LOW-OFF W/L.F.S. ☐ FULL MODULATION ☒

AVAILABLE GAS PRESSURE 7/14 WC VOLTAGE: 115 VOLT 60 HZ 1 PH

CODES: UL X CSD-1 X IRI ____ FM ____ NFPA 85 ____ OTHER _____

CONTROL PANEL: MOUNTED ____ RS ____ LS ____

BOILER ____ SKID ____ BURNER X REMOTE ____

POWER ON SWITCH ____ FUEL CHANGEOVER SW. ____

MANUAL POTENTIOMETER ____

CONTROL TRANSFORMER _____ M

FLAME SAFEGUARD RM7897A M

FLAME DETECTOR _____ ☐

AMPLIFIER _____ ☐

INDICATING LAMPS ☐

		LAMP		LAMP	ALARM
POWER ON	☐	____	ALARM	☐	____ ☐
FUEL ON	☐	____	LOW WATER	☐	____ ☐
CALL FOR HEAT	☐	____	HIGH WATER	☐	____ ☐
IGNITION ON	☐	____	FLAME FAILURE	☐	____ ☐
_____	☐	____	_____	☐	____ ☐
_____	☐	____	_____	☐	____ ☐

ALARM BELL ☐ HORN ☐ W/SIL. SW. ☐

MOTOR: HP STARTER SIZE HEATER

BLOWER 1.5 ____ ____ ____

IGNITION: GAS/ELECTRIC _____ TYPE _____

IGNITION TRANSFORMER: _____

VOLTAGE _____

GAS PILOT: SHUTOFF VALVE _____ SIZE ____

PRESSURE REGULATOR _____ SIZE ____

☐ SOLENOID VALVE _____ SIZE ____

AIR FLOW SWITCH _____

FIRING RATE MOTOR _____

CAM METERING _____

FGR PIPING: RS ☐ LS ☐ SIZE _____

SPECIAL INSTRUCTIONS _____

GAS TRAIN: RS ____ LS X

MOUNTED ____ UNMOUNTED ____

		SIZE
MAIN SHUTOFF COCK	_____	____
PRESSURE REGULATOR	_____	____
SAFETY GAS VALVE	_____	____
ACTUATOR	_____	
N.O. VENT VALVE	_____	____
MAIN GAS VALVE	_____	____
ACTUATOR	_____	
CHECKING COCK	_____	____
FIRING RATE VALVE	_____	____
LOW GAS PRESS. SW.	_____	RG ____
HIGH GAS PRESS. SW.	_____	RG ____
MANIFOLD GAS PRESS. GA.	_____	RG ____

SUPERIOR BOILER WORKS, Inc.

SPEC SHEET - SPECIAL INSTRUCTIONS PAGE _____ OF _____

S.O. NO. _____

SPECIAL INSTRUCTIONS: _____