



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

DATE RECEIVED: _____ SHIP WEEK OF _____

STATUS: WA&R RELEASED DATE _____

JOB: SBW STOCK

LOCATION: HUTCHINSON, KS

SOLD TO: SUPERIOR BOILER WORKS, INC.

3524 EAST 4TH STREET

HUTCHINSON, KS 67504

SUBMITTALS REQ'D: 1 SETS PROPOSAL _____

R&D SHEET W.D. SUBMITTAL NO. _____

BURNER GAS PIPING OIL PIPING

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

MODEL: SG8-5-500-S150-PF-G

NOMINAL HP 100 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

DIAL 3" STEM 6" RANGE 100-800 °F

BOILER J-BOX 12" X 12" X 4" RS LS

GAUGE GLASS TRI-COCKS CHAIN OPERATED

PRIMARY L.W.C.O. RS LS TOP

MODEL 157S

WATER COLUMN BLOWDOWN VALVE(S);

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

AUX. L.W.C.O.: RS LS TOP

MODEL 26MB1AOF/3E1B

HIGH WATER RS LS TOP

CUTOFF ALARM

MODEL N/A

PSI

OPERATOR L404F1102 RANGE 10-150

LIMIT L4079B1041 RANGE 10-150

FIRING RATE L91B1050 RANGE 5-150

LOW FIRE HOLD/PB10A/KJ11A1 RANGE _____

STEAM GAUGE: W/GAUGE/TEST COCK

ASHCROFT FIG. NO. 1379AS

DIAL 6" RANGE 0-300 PSI W/SYPHON

AIR VENT VALVE: N/A SIZE _____

TURBULATORS: BROCK TYPE MS

SAFETY VALVE(S): KUNKLE

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

1 6021FE SIZE 1.00" X 1.25" SET @ 150 PSIG

FEEDWATER VALVE(S): RS LS

GATE: DSI FIG. NO. 4121 SIZE 1.25"

CHECK: DSI FIG. NO. 4321 SIZE 1.25"

FEEDWATER CONTROL: ON-OFF _____ ELECT.MOD.

PNEUMATIC MOD. ATO _____ ATC _____

LEVEL CONTROLLER INTEGRAL TO LWCO

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 LS

METERING TASCO FIG. NO. 4455 SIZE .50"

STOP DSI FIG. NO. 4121 SIZE 1"

FULL LENGTH SKIMMER N/A

BOTTOM BLOWOFF VALVE(S): RS LS

1 EVERLASTING FIG. NO. 4000-A SIZE 1.25"

1 UNITED BRASS FIG. NO. 226UT SIZE 1.25"

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

SHIPPED MOUNTED N/A NOT APPLICABLE

SHIPPED LOOSE N/S NOT SUPPLIED

PREPIPED/SHIPPED LOOSE CF CUSTOMER FURNISHED

REVISIONS

REV. DATE BY

REV.	DATE	BY



BURNER MFG _____ POWER FLAME _____ MODEL _____ C3-G-25

FUELS: GAS TYPE _____ NATURAL _____ ALTITUDE 2000 FT. OR LESS

FIRING RATE: GAS 4200 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: 230 VOLT 60 HZ 3 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 _____ RM7840L M
 FLAME DETECTOR _____
 AMPLIFIER _____

INDICATING LAMPS 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 2.5 _____

GAS TRAIN: RS _____ LS X
 MOUNTED _____ UNMOUNTED _____

IGNITION: GAS/ELECTRIC _____ TYPE _____
 IGNITION TRANSFORMER: _____
 VOLTAGE _____

GAS PILOT: SHUTOFF VALVE _____ SIZE _____
 PRESSURE REGULATOR _____ SIZE _____
 SOLENOID VALVE _____ 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 _____

AIR FLOW SWITCH _____
 FIRING RATE MOTOR _____
 CAM METERING _____
 FGR PIPING: RS LS SIZE _____

SPECIAL INSTRUCTIONS _____

