



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

DATE RECEIVED: _____ SHIP WEEK OF _____

STATUS: WA&R RELEASED DATE _____

JOB: _____

LOCATION: _____

SOLD TO: _____

SUBMITTALS REQ'D: _____ SETS PROPOSAL _____

R&D SHEET W.D. SUBMITTAL NO. 6822

BURNER GAS PIPING OIL PIPING

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

MODEL: 8-X-11000-S150-GPCF-G

NOMINAL HP 2200 OUTPUT 73,645 MBH

SECTION 1

DESIGN PRESSURE 150 PSI STEAM

OPERATING PRESSURE 110 PSI STEAM

NAMEPLATE: SUPERIOR PAINT BLUE

STACK DAMPER: W/LOCKING QUAD W/BEARINGS

STACK THERMOMETER 50E160

DIAL 5" STEM 12" 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 MM157S

WATER COLUMN BLOWDOWN VALVE(S);

2 DSI FIG. NO. 4121 SIZE 1"

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

MODEL WARRICK 26MB1AOF / 3E1B

HIGH WATER RS LS TOP

CUTOFF ALARM

MODEL WARRICK 1G1DO / 3E1B

PSI

OPERATOR W/BURNER RANGE _____

LIMIT L4079B 1041 RANGE 10-150

FIRING RATE INTEGRAL TO OPER. RANGE _____

LOW FIRE HOLD PB10A/KJ11A1 RANGE _____

STEAM GAUGE: W/GAUGE/TEST COCK

ASHCROFT FIG. NO. 1220A

DIAL 8-1/2" RANGE 0-300 PSI W/SYPHON

AIR VENT VALVE: DSI 4121 SIZE 2"

TURBULATORS: N/A TYPE _____

SAFETY VALVE(S): KUNKLE

6252KPM SIZE 4" FLG x 6" FLG SET @ 150 PSIG

6252KNM SIZE 4" FLG x 6" FLG SET @ 150 PSIG

FEEDWATER VALVE(S): RS LS

GATE: NEWCO FIG. NO. 13FCB2 SIZE 3"

CHECK: NEWCO FIG. NO. 33FCB2 SIZE 3"

FEEDWATER CONTROL: ON-OFF _____ ELECT.MOD. _____

PNEUMATIC MOD. ATO _____ ATC

LEVEL CONTROLLER FISHER 2500-249

VALVE MAKE FISHER MODEL NO. 657ED SIZE 2"

SEAT METAL CLASS IV 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 DSI FIG. NO. 4121 SIZE 2"

GLOBE DSI FIG. NO. 4221 SIZE 2"

CHEMICAL FEED VALVES: RS LS

SHARPE FIG. NO. 30276 SIZE 1"

SHARPE FIG. NO. 20276 SIZE 1"

SURFACE BLOWDOWN VALVE(S): RS LS

METERING TASCO FIG. NO. 4455 SIZE 3/4"

STOP DSI FIG. NO. 4121 SIZE 1"

FULL LENGTH SKIMMER N/S

BOTTOM BLOWOFF VALVE(S): RS LS

EVERLASTING FIG. NO. FIG. 4000-A SIZE 2"

UNITED BRASS FIG. NO. 226UT SIZE 2"

COMPLETED BY: _____ DATE _____

BOILER TO MEET THE FOLLOWING CODES:

REVISIONS

SALES: _____

CSD-1 UL LABEL

REV. _____ DATE _____ BY _____

ENG.: _____

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



BURNER MFG GORDON-PIATT MODEL RMBU34-G-2000 MARK VI

FUELS: GAS TYPE NATURAL ALTITUDE 2000 FT. OR LESS

FIRING RATE: GAS 92,400 CFH OF _____ 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 30# VOLTAGE: 480 VOLT 60 HZ 3 PH

CODES: UL _____ CSD-1 _____ IRI _____ FM _____ NFPA 8501 X OTHER _____

CONTROL PANEL: MOUNTED RS _____ LS _____
 BOILER _____ SKID _____ BURNER REMOTE _____
 POWER ON SWITCH _____ FUEL CHANGEOVER SW. _____
 MANUAL POTENTIOMETER _____
 CONTROL TRANSFORMER _____ M
 FLAME SAFEGUARD _____ 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 _____

GAS TRAIN: RS LS _____
 MOUNTED UNMOUNTED _____

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

MAIN SHUTOFF COCK _____
 PRESSURE REGULATOR _____

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

SAFETY GAS VALVE _____
 ACTUATOR _____

AIR FLOW SWITCH _____
 FIRING RATE MOTOR _____

N.O. VENT VALVE _____
 MAIN GAS VALVE _____
 ACTUATOR _____

CAM METERING _____

CHECKING COCK _____

FGR PIPING: RS LS SIZE 24"

FIRING RATE VALVE _____

NOx LEVEL: 15 PPM

LOW GAS PRESS. SW. _____ RG _____

SPECIAL INSTRUCTIONS _____

HIGH GAS PRESS. SW. _____ RG _____

SHUNT PUSHBUTTON AROUND LWCO _____

MANIFOLD GAS PRESS. GA. _____ RG _____

FLANGED STACK CONNECTION _____

LOW PRESSURE STEAM NOZZLE WITH DRY PAN _____

CHEMICAL FEED CONNECTION W/ DIFFUSER _____

14" X 10" 300# WN RF SPOOL PIECE _____

10" X 10" X 24" SPOOL PIECE WITH 1/2" DSI 4121 GATE VALVE _____