



ITEM	BOILER & TRIM LEGEND	QTY.
B1	STEAM BOILER 1500HP 450PSIG DESIGN 2-PASS HYBRID	1
B2	RECIPROCATING GRATE STOKER	1
B3	WET ASH CONVEYOR	1
B4	METERING BIN	4
B5	FAN, TWIN CITY (UF AIR)	1
B6	MOTOR, 30HP, 1750 RPM, 460/60/3	1
B7	FAN, TWIN CITY (OF AIR)	1
B8	MOTOR, 7.5HP, 1750 RPM, 460/60/3	1
B9	GATE VALVE, VELAN #F04-1054B-02TY, 3/4" (SB)	1
B10	SURFACE BLOWDOWN VALVE, VOGT #SW12443, 3/4"	1
B11	FLUE GAS RECIRCULATION FAN, TWIN CITY	1
B12	MOTOR, 20HP, 1750 RPM, 460/60/3 (FGR)	1
B13	MOTOR, METERING SCREW, 7.5HP, 1750 RPM, 460/60/3	2
B14	REINJECTION FAN, 1.5HP, 1750 RPM, 460/60/3, TWIN CITY (REAR HOPPER)	1
B15	FLYASH COLLECTOR	1
B16	ROTARY AIR LOCK, MEYER	1
B17	ECONOMIZER, E-TECH	1
B18	SUPERHEATER, E-TECH	1
B19	FAN TWIN CITY (ID FAN)	1
B20	MOTOR, 250HP, 1750 RPM, 460/60/3	1
B21	PRIM. LWCO, HURST COLUMN W/ CLARK RELIANCE PROBES	1
B22	GAGE GLASS SET, CLARK RELIANCE #SG854 & #FG407	2
B23	QUICK OPEN BLOWOFF VALVE, EVERLASTING #4001-S(57), 1 1/4"	2
B24	GATE VALVE, VELAN #S02-2054B-02TY, 3/8" (GAGE GLASS DRAIN)	2
B25	2nd LWCO, HURST COLUMN W/ CLARK RELIANCE PROBES	1
B26	PRESSURE GAUGE, 6" DIAL, 0-800 PSI	1
B27	PRESS. CONTROL, MERCOID #DA-521-2-10S 25-600 PSI	1
B28	PRESS. CONTROL, MERCOID #DR21-153L-10S 25-600 PSI	1
B29	PRESS. CONTROL, MERCOID #DR21-153U-10S 25-600 PSI	1
B30	RADAR GUIDED FEEDWATER CONTROL, ROSEMOUNT	1
B31	INLINE STEAM SEPARATOR, 14" OD X 65 5/8" LONG	1
B32	GATE VALVE, VELAN #F07-1054C-02TY, 1 1/2" (STEAM TRAP)	2
B33	STRAINER, Y-TYPE 300# FLG'D, 1 1/2" (STEAM TRAP)	2
B34	STEAM TRAP, ARMSTRONG #315, 1 1/2" W/ 7/32" ORIFICE (STEAM TRAP)	2
B35	SWING CHECK VALVE, VELAN #F07-1034C-02TY, 1 1/2" (STEAM TRAP)	2
B36	SAFETY VALVE, KUNKLE #600 1 1/2" X H X 2 1/2" SET @ 438 PSI (SUPERHEATER)	1
B37	DRIP PAN ELBOW, KECKLEY, 2 1/2" (SUPERHEATER)	1
B38	GATE VALVE, VELAN #W04-2054B-02TY, 3/4" (SUPERHEATER)	1
B39	GATE VALVE, VELAN #W05-2054B-02TY, 1" (SUPERHEATER)	1
B40	GATE VALVE, VELAN #F08-1064C-02TY, 2 1/2" (ECONOMIZER)	3
B41	ANGLE NON-RETURN VALVE, LUNKENHEIMER #1409, 6" 300# FLG'D	1
B42	GATE VALVE, VELAN #S02-2054B-02TY, 3/4" (STEAM LINE)	1
B43	ROSEMOUNT STEAM FLOWMETER	1
B44	GATE VALVE, LUNKENHEIMER #3012, 6" FLG'D 300#	1
B45	HORIZONTAL AIR TANK, MANCHESTER, 120 GAL 200 PSI	1
B46	PRESSURE GAUGE, 6" DIAL, 0-300 PSI (AIR TANK)	1
B47	PRESSURE CONTROL, HONEYWELL #L404A-1396, 10-150 PSI	1
B48	AIR RELIEF VALVE, SMITH-ELEC #232, 1/2" NPT, SET @ 125 PSI	1
B49	GATE VALVE, VELAN #F04-1054B-02TY, 3/4" (SB)	1
B50	SOOT BLOWER ASSEMBLY, #SB-1300	1
B51	SOLENOID VALVE, DANFOSS #032U653700, 2" (SOOT BLOWERS)	8
B52	QUICK OPEN BLOWOFF VALVE, EVERLASTING 4001-S(57), 2"	2
B53	SLOW OPEN BLOWOFF VALVE, EVERLASTING 4061-S(57)	1
B54	SAFETY VALVE, KUNKLE #300LHG 1 1/2" X H X 2 1/2" SET @ 450 PSI	1
B55	SAFETY VALVE, KUNKLE #300LHG 1 1/2" X H X 2 1/2" SET @ 450 PSI	1
B56	DRIP PAN ELBOW, KECKLEY 2 1/2"	2
B57	GLOBE VALVE, 2 1/2" 300# FLG'D (FW)	1
B58	CHECK VALVE, CHECK ALL #FV460-C-M-1/2, 2 1/2" (FW)	1
B59	SAFETY VALVE, KUNKLE #627, 3/4" X E X 1 1/4", SET @ 490 PSI	1
B60	GATE VALVE, VELAN #W04-2054B-02TY, 3/4"	2
B61	GATE VALVE, 1/2" 300#NPT STL. (ECONOMIZER)	2
B62	PRESS. GAUGE, 6" DIAL 0-300 PSI (ECONOMIZER)	2
B63	TEMP. GAUGE, 6" DIAL 50-500°F (ECONOMIZER)	1
B64	CHECK VALVE, CHECK ALL #FV460-S-M-1/2, 1 1/2" (ECONOMIZER)	1
B65	DRY ASH CONVEYOR	1
B66	BALL VALVE, 250#NPT BRONZE 2"	8
B67	SOLINOID VALVE 24 DL, DANFLOSS	2
B68	VALVE EVSI 12, DANFLOSS	1
B69	THERMOSTAT AVTA 15, DANFLOSS	1
B70	BALL VALVE, 250#NPT BRONZE 1/2"	1
B71	STRAINER, 1/2"	2
B72	PNEUMATIC VALVE, 24VDC, MAC	3
B73	STEAM TRAP, ARMSTRONG, 3/4"NPT	1
B74	PRIM. LWCO, WARWICK PROBE	1
B75	2nd LWCO, WARWICK PROBE	1

ITEM	DEAERATOR LEGEND	QTY.
D1	FDWTR. DEAERATOR 100,000 PPH 50PSIG (5-10 OPERTG.)	1
D2	BOILER FEEDWATER PUMP VAR. SPEED	1
D3	DA SAFETY RELIEF VALVE SET @ 50PSIG	1
D4	HIGH WATER LEVEL CONTROL FLOAT	1
D5	LOW WATER LEVEL CONTROL FLOAT	1
D6	WTR LEVEL CONTROL GUIDED WAVE RADAR ELEMENT	1
D7	STEAM TO DEAERATOR CONTROL VLV. ELEC.	1
D8	DEAERATOR ELEC. CONTROL PANEL	1
D9	OVERFLOW TRAP	1
D10	TANK VACUUM BREAKER	1
D11	DA INLET WATER MAKE-UP CONTROL VALVE ELEC.	1
D12	PUMP RECIRC. BYPASS ORIFICE	2
D13	DA LIQUID LEVEL SIGHT GLASS	3
D14	DIESEL BACKUP PUMP	3
D15	BALL VALVE 300# 1/4"	1
D16	PRESSURE GAUGE 0-600PSI	1
D17	VALVE GATE, 300#, 3"	1
D18	VALVE GATE, 125#, 4"	1
D19	STRAINER, SLOW, 125#, 4"	2

1500 HP 450 PSIG DESIGN - 400 PSIG OPERATING PRESSURE

**HURST BOILER & WELDING CO., INC.**  
**PROCESS & INSTRUMENT'N. DIAGRAM**  
 FOR:

SCALE:	DWN. BY:	DATE:	CHKD. BY:	DWG. NO.:	R
NTS	GSS		JHO		.