



1. RADIAL PIPING LOCATIONS ARE APPROXIMATE AND DO NOT ALLOW FOR SHOP TOLERANCE OR SHELLOUT OF ROUNDNESS ALLOWED BY CODE.
2. BOTTOM BLOWDOWN, FEED WATER, & GAS TRIM TERMINATION POINTS ARE $\pm 6^\circ$.

BOILER CONNECTIONS			RATINGS & CAPACITIES		LINE	DATE	REVISION	BY	DESCRIPTION
A(1)	STEAM OUTLET	1" 3000 P.S.I.	HORSEPOWER	1500	A	2-20-01	NO WAS H-5101, SV CONN WAS (7) 3" NPT		
B(2)	LIMO	1" NPT	DESIGN PRESSURE	150 PSIG STEAM	B	2-20-01	REVERSED R & D SHEET TO SCALE, PER LATEST SPEC SHEET & CHANGES		
C(3)	SAFETY VALVE	1" 3000 P.S.I.	GROSS OUTPUT	60,250 MBH	C	2-20-01	ADDED BOILER AS MOVED SURFACE BLOWDOWN TO LEFT SIDE		
D(4)	SAFETY VALVE	1" 3000 P.S.I.	STEAM (WHEN AT 2100)	137,000 LBS/HOUR	D	2-20-01	SENSE FOR PIPING TO MATCH BURNER FOR INLET COMING, DELETE NEMA ENCLOSURE		
E(5)	SAFETY VALVE	1" 3000 P.S.I.	RATED INPUT	60,250 MBH	E	2-20-01	ADD: SV & STEAM OUTLET HEIGHTS, TOL & ROUNDNESS NOTE		
F(6)	SAFETY VALVE	1" 3000 P.S.I.	HEATING SURFACE (ASME)	2072.42 SQR	F	2-20-01	ADD: NOTE #2, REVISE PIPING TERMINATION POINTS		
G(7)	SAFETY VALVE	1" 3000 P.S.I.	FURNACE HEATING SURFACE	397.42 SQR					
H(8)	SAFETY VALVE	1" 3000 P.S.I.	HEATING VOLUME	398.29 CU.FT.					
I(9)	SAFETY VALVE	1" 3000 P.S.I.	STEAMING VOLUME	208.04 CU.FT.					
J(10)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
K(11)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
L(12)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
M(13)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
N(14)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
O(15)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
P(16)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
Q(17)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
R(18)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
S(19)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
T(20)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
U(21)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
V(22)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
W(23)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
X(24)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
Y(25)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
Z(26)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AA(27)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AB(28)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AC(29)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AD(30)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AE(31)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AF(32)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AG(33)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AH(34)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AI(35)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AJ(36)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AK(37)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AL(38)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AM(39)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AN(40)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AO(41)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AP(42)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AP(43)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AR(44)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AS(45)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AT(46)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AU(47)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AV(48)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AW(49)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AX(50)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
AY(51)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
AZ(52)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BA(53)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BB(54)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BC(55)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BD(56)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BE(57)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BF(58)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BG(59)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BH(60)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BI(61)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BJ(62)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BK(63)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BL(64)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BM(65)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BN(66)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BO(67)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BP(68)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BQ(69)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BR(70)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BS(71)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BT(72)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BU(73)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BV(74)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BW(75)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BX(76)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
BY(77)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
BZ(78)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CA(79)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CB(80)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CC(81)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CD(82)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CE(83)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CF(84)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CG(85)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CH(86)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CI(87)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CJ(88)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CK(89)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CL(90)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CM(91)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CN(92)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CO(93)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CP(94)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CQ(95)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CR(96)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CS(97)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CT(98)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CU(99)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CV(100)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CU(101)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CV(102)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CW(103)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CX(104)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CY(105)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CZ(106)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CA(107)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CB(108)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CC(109)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CD(110)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CE(111)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CF(112)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CG(113)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CH(114)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CI(115)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CJ(116)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CK(117)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CL(118)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CM(119)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CN(120)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CO(121)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CP(122)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CQ(123)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CR(124)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CS(125)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CT(126)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CU(127)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CV(128)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CW(129)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CX(130)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CY(131)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CZ(132)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CA(133)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CB(134)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CC(135)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CD(136)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CE(137)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CF(138)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CG(139)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CH(140)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CI(141)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CJ(142)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CK(143)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CL(144)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CM(145)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CN(146)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CO(147)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CP(148)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CQ(149)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77.108 LBS.					
CR(150)	SAFETY VALVE	1" 3000 P.S.I.	STEAM RISE OVER 1"	155.4 IN.					
CS(151)	SAFETY VALVE	1" 3000 P.S.I.	WATER CAPACITY	77					