

**DESIGN NOTES**

1. BOILER IS DESIGNED AND CONSTRUCTED IN STRICT ACCORDANCE WITH THE ASME CODE SECTION I AND STAMPED AND REGISTERED WITH THE NATIONAL BOARD.
2. DESIGN PRESSURE: 

BOILER	ECONOMIZER
400 P.S.I.G.	500 P.S.I.G.
3. HYDROTEST PRESSURE: 

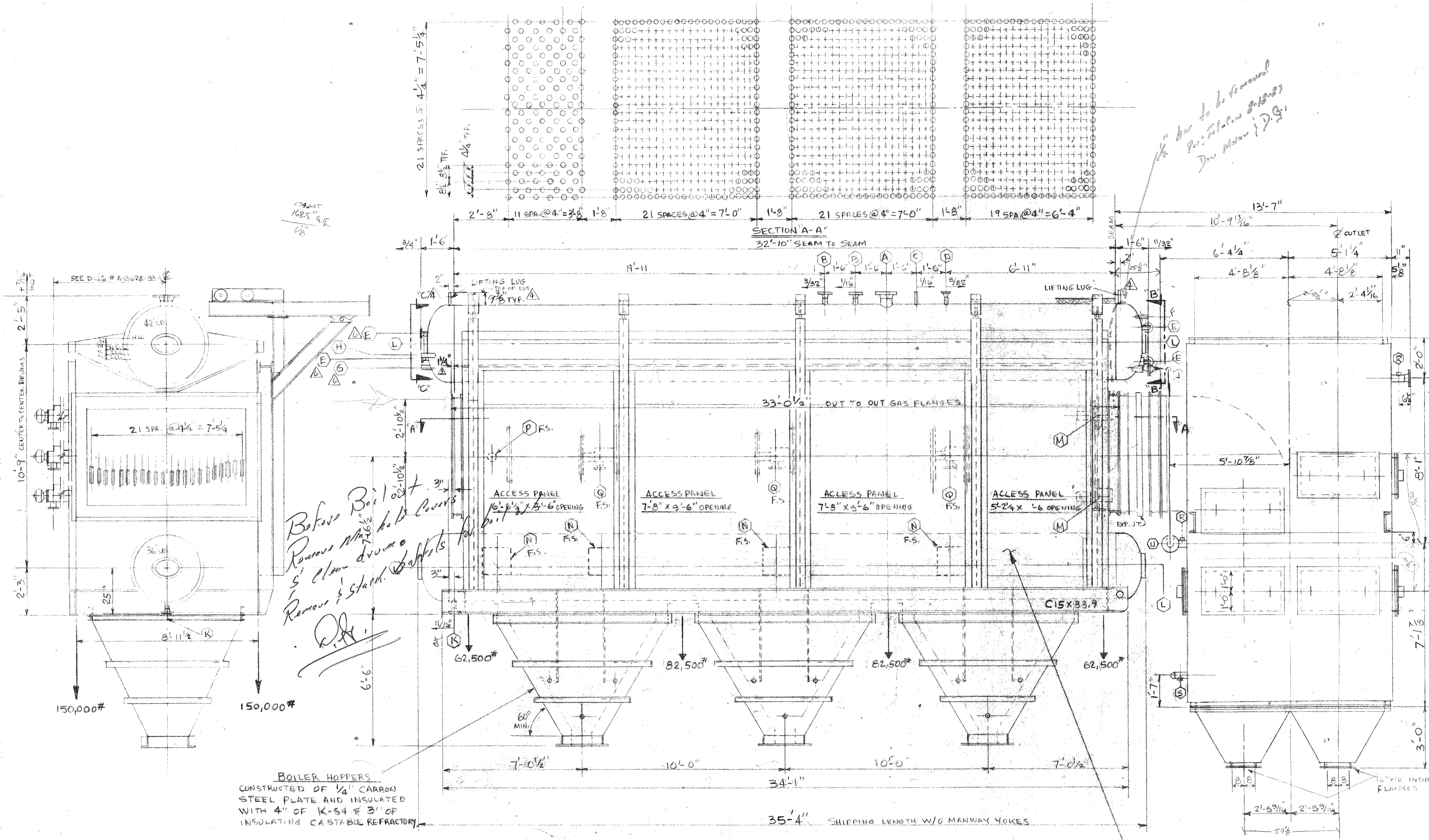
BOILER	ECONOMIZER
600 P.S.I.G.	750 P.S.I.G.
4. CORROSION ALLOWANCE (EXCLUDING TUBES)  $\frac{1}{16}$ "
5. RADIOGRAPHIC TECHNIQUE IS PER LATEST EDITION OF THE ASME CODE SECTION I.
6. ALL BOLT HOLES TO STRADDLE NATURAL CENTERLINES OF VESSEL.
7. SURFACE PREPARATION PER SSPC - SP3 AND PRIME WITH RED OXIDE PRIMER.
8. WEIGHTS: 

	DRY	WET
ECONOMIZER	51,100#	62,200#
OUTLET HOPPER	10,100#	14,200#
BOILER	182,300#	232,400#
HOPPERS(3)	15,000#	33,000#
9. REF. FOR ECONOMIZER - KENTUBE DWG. # 61214-1 REV # 6.

Two types of soot blowers  
Cams. 180° & 360°  
Check for proper Inst.  
Rotary Soot Blowers  
Boiler outlet 2-180°  
Economizer outlet 1-180°  
All others 360°

**Field Issued**  
Date: MAR 16 1987

NOZZLE SCHEDULE			
MK	QTY	SIZE & RATING	SERVICE
(A)	1	6" 300# R.F. FLG.	STEAM OUTLET
(B)	2	2" 600# R.F. FLG.	SAFETY RELIEF VALVES
(C)	1	3/4" THREADED PIPE	PRESSURE GAGE
(D)	1	1" 300# R.F. FLG.	VENT
(E)	4	1 1/2" 300# R.F. FLG.	WATER COLUMN
(F)	2	1" THREADED PIPE	LEVEL TRANSMITTER
(G)	1	1" PIPE	CHEMICAL FEED
(H)	1	1" PIPE	CONTINUOUS BLOWDOWN
(J)	1	3" 300# R.F. FLG.	FEEDWATER
(K)	1	1 1/2" 300# R.F. FLG.	INTERMITTENT BLOWDOWN
(L)	4	12" X 16"	MANWAY
(M)	6	COPIES - VULCAN	ROTARY SOOTBLOWER
(N)	4	16" X 16" PLATE	ACCESS DOOR
(P)	1	WALL BOX FOOT FUTURE TROUBLE SHOOTING	FUTURE OSCILLATING RETRACT S.B.
(Q)	3	COPIES - VULCAN T-22 E	RETRACTABLE SOOTBLOWERS - BOILER
(R)	2	3/4" T.O.L. 3000	ECONOMIZER VENT
(S)	1	3/4" T.O.L. 3000	ECONOMIZER DRAIN
(T)	1	3" 600# R.F.	ECONOMIZER INLET
(U)	1	3" 600# R.F.	ECONOMIZER OUTLET



REVISIONS		
NO	DATE	DESCRIPTION
1	1-15-87	REV. LIFT LUGS
2	1-4-87	AS BUILT
3	3-11-87	CORRECTED NOZZLES SIDE VIEW

**ABCO industries, inc.**  
ABILENE, TEXAS

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**MSW HEAT RECOVERY SYSTEM**  
**CONSUMAT SYSTEMS, INC.**

SCALE: NOT TO SCALE  
DATE: 7-28-86  
DRAWN BY: LES  
APPR BY:  
DRAWING NUMBER: D-8628-33-1  
REV: 6