

DATE OF INSPECTION
 7 JUNE 84 - 1 FEB 1985

TYPE OF INSPECTION
 A INTERNAL & EXTERNAL B INTERNAL & EXTERNAL WITH PRESSURE TEST C OPERATIONAL

1. FROM
 BASE MAINT. OFFICER
 CAMP LEJEUNE, N. C.
 2. TO
 NAVFACENCOM
 NORFOLK, VA

14. CERTIFICATE ISSUED YES NO
 EXPIRES 1 FEB. 1986
 15. BOILER INSPECTOR

Thomas L. Lanier
 NAVY OR NATIONAL BOARD NO.

BOILER DATA

3. MANUFACTURER
 BURNHAM

16. REASON FOR NOT ISSUING CERTIFICATE
 NAUFAC 239

4. PROPERTY NO. H-3
 5. MFG. SERIAL NO. 7581060
 6. MFG. MODEL NO. PF-504
 7. BUILDING NO. PUBLIC WORKS NEW HOSPITAL
 8. YEAR BUILT 1984
 9. CAPACITY 620,000 BTU/HR.

10. FUEL (Check)
 COAL OIL GAS
 11. PRESSURE
 DESIGNED 50 psi OPERATING 15 psi TEST 60 psi

12. FEED WATER TREATMENT
 SATISFACTORY UNSATISFACTORY
 13. TYPE
 WATER TUBE FIRE TUBE C. I.

17. BOILER USE
 HEATING
 19. COMBUSTION
 11.5 % CO₂ % EXCESS O₂

18. COMBUSTION CONTROL (Mfg. Name)
 HONEYWELL
 20. FLUE GAS TEMPERATURE
 AFTER BOILER 400 °F : AFTER HEAT TRAP °F

SAFETY DEVICES
 SAFETY VALVES

21. MANUFACTURER
 COMBRACO
 22. NUMBER AND SIZE 1-3/4
 23. PSI SETTING 50
 24. CONDITION NEW

25. MANUFACTURER
 U.S. GAGE
 26. CORRECTIONS
 WATER LEG CONSTANT: _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED

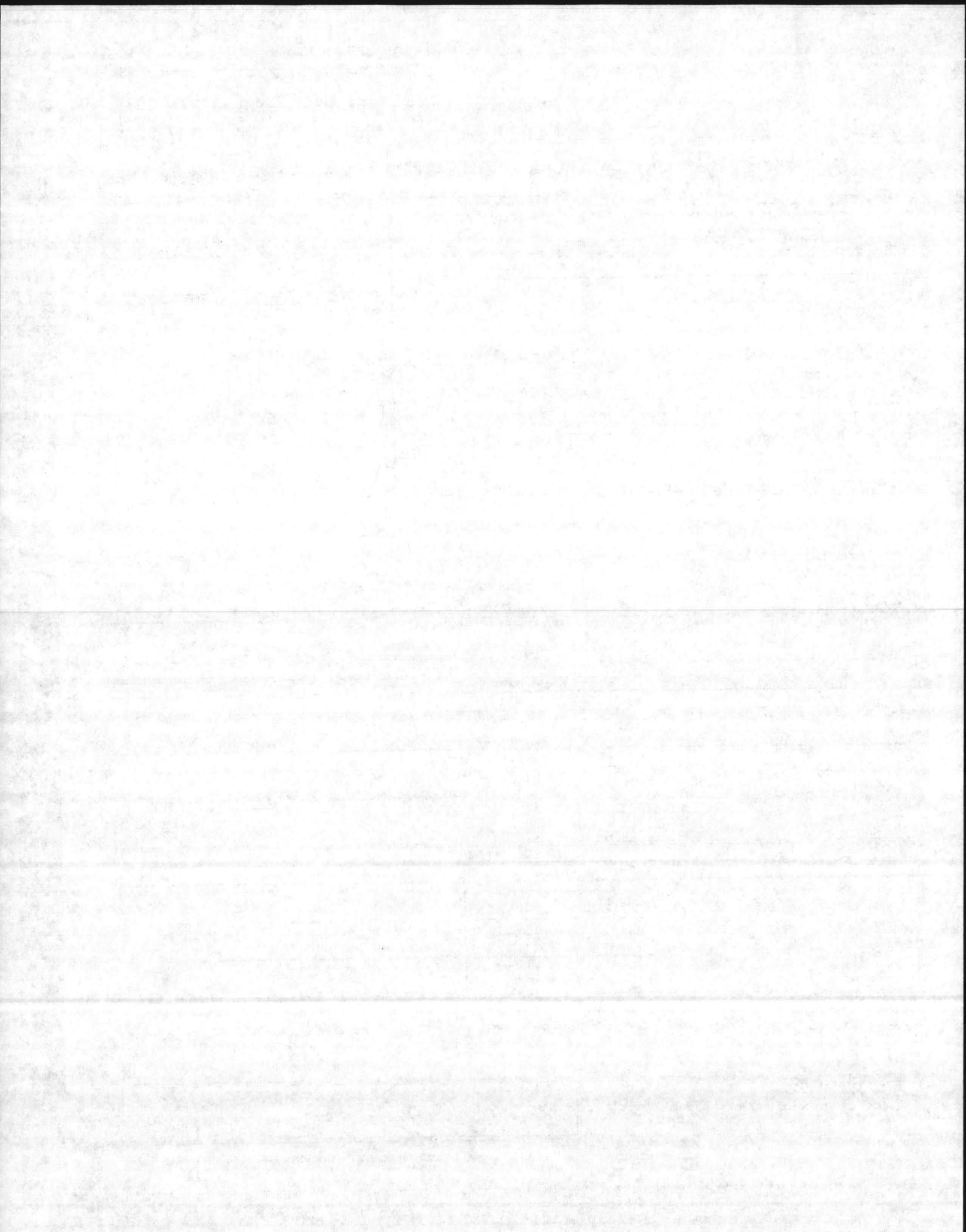
FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	ABC SUNRAY	
29. TYPE	NOZZLE SPRAY	
30. FUEL GRADE	#2	

31. INSPECTOR'S COMMENTS
 NEW BOILER INSTALLED UNDER CONTRACT # C-1766

32. ATTACHMENT(S) (Check)
 COPY OF INSPECTOR'S REPORT SPECIAL COMMENTS

33. SIGNATURE
J. L. Seller
 BY DIRECTION



DATA RECORD SHEET - BOILERS
NAVFAC 9-11014/40 (9-69) Supercedes MA/DOCKS 2509

MFGRS. SERIAL NO. 7581060		MFGRS. MODEL NO. PF-504		MANUFACTURER BURNHAM		DATE OF SHEET 17 Dec 1984			
TYPE OF SUPERHEATER		FURNACE VOLUME _____ CU. FT.		OPERATION <input checked="" type="checkbox"/> AUTOMATIC <input type="checkbox"/> SEMI-AUTOMATIC <input type="checkbox"/> MANUAL		USE <input type="checkbox"/> EXPORT <input type="checkbox"/> ELEC. POWER GENERATION <input type="checkbox"/> LAID UP - WET <input type="checkbox"/> LAID UP - DRY x Heating			
TEMPERATURE AT SUPERHEATER OUTLET _____ °F		HEATING SURFACE (SQ. FT.) _____		PRESSURE (psig) _____ DESIGN 50 MAWP 25 INSTALLED WP		DATE BUILT 1984			
NORMAL FEEDWATER TEMPERATURE _____ °F		BOILER _____ WATER WALL _____ ECONOMIZER _____ SUPERHEATER _____		CAPACITY _____ HP _____ LB./HR _____ EDR 620,000 BTU/HR.		DATE INSTALLED 1984			
(See Reverse Side for Fittings)		DRUMS NO. _____ DIAMETER _____ IN. LENGTH _____ FT. _____ IN. <input type="checkbox"/> RIVETED <input type="checkbox"/> FORGE WELDED <input type="checkbox"/> FUSION WELDED		AIR HEATER <input checked="" type="checkbox"/> NONE <input type="checkbox"/> TUBULAR <input type="checkbox"/> REGENERATIVE <input type="checkbox"/> STEAM		BOILER TYPE <input checked="" type="checkbox"/> C.I. <input type="checkbox"/> WATER TUBE <input type="checkbox"/> FIRE TUBE			
						DRAFT <input type="checkbox"/> NATURAL <input checked="" type="checkbox"/> FORCED <input type="checkbox"/> INDUCED			
						PRODUCES <input type="checkbox"/> STEAM <input checked="" type="checkbox"/> LOW TEMP. WATER <input type="checkbox"/> HIGH TEMP. WATER			
						CIRCULATION <input type="checkbox"/> NATURAL <input type="checkbox"/> FORCED			
FUEL		FUEL & FIRING EQUIPMENT IN SERVICE				ALTERNATE FUEL & FIRING EQUIPMENT			
		COAL <input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS		OIL <input checked="" type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY <input type="checkbox"/> OTHER _____		COAL <input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS		OIL <input type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY SPECIAL <input type="checkbox"/> OTHER _____	
FIRING EQUIPMENT		GAS <input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED		COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR		GAS <input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED		COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR	
		COAL - HAND FIRED COAL - STOKER <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE GAS <input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE		OIL BURNERS <input checked="" type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP		COAL - HAND FIRED COAL - STOKER <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE GAS <input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE		OIL BURNERS <input type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP	
FIRING EQUIPMENT MANUFACTURER		A.B.C. SUNRAY - HONEYWELL CONTROLS							
PROPERTY NO. H-3		BUILDING OR LOCATION HOSPITAL - PUBLIC WORKS BLDG.				BOILER H-3		ACTIVITY NRMC	

FITTING	NUMBER	SIZE	MANUFACTURER	TYPE	SETTING	RANGE	PRESSURE CLASS
SAFETY VALVES	1	3/4"	CONBRACO		50		
STEAM OUTLET VALVES	1	2"	STOCKHAM	GATE			200 WOG
BLOW-OFF VALVES	1	2"	STOCKHAM	GATE			125 WOG
FEEDWATER VALVES		1"	STOCKHAM	GATE			125 WOG
WATER COLUMN							
FEEDWATER REGULATOR	1	1"	WATTS	5M2		10-35	200 PSI
WATER GAGES							
STEAM GAGES	1		ALTITUDE U.S. GAGE	60° - 260° F 0-100 PSI			
SOOT BLOWERS							
FUSIBLE PLUGS							

LWCO - McDonnell #63
SIV MFG. Conbraco - Set 50 Cap. 805,000 BTU/HR Size 3/4"
Oil Burner Nozzles 2 EA. 2.75 GPH @ 90°

MFGRS. SERIAL NO. 7581060	MFGRS. MODEL NO. PF-504	MANUFACTURER BURNHAM	DATE OF SHEET 17 DEC. 1984
TYPE OF SUPERHEATER	FURNACE VOLUME _____ CU. FT.	OPERATION <input checked="" type="checkbox"/> AUTOMATIC <input type="checkbox"/> SEMI-AUTOMATIC <input type="checkbox"/> MANUAL	USE <input type="checkbox"/> EXPORT <input type="checkbox"/> ELEC. POWER GENERATION <input type="checkbox"/> LAID UP - WET <input type="checkbox"/> LAID UP - DRY <input checked="" type="checkbox"/> HEATING
TEMPERATURE AT SUPERHEATER OUTLET _____ °F	HEATING SURFACE (SQ. FT.) _____	PRESSURE (psig) DESIGN _____ MAWP _____ INSTALLED WP 25	DATE BUILT 1984
NORMAL FEEDWATER TEMPERATURE _____ °F	BOILER _____ WATER WALL _____ ECONOMIZER _____ SUPERHEATER _____	CAPACITY HP _____ LB./HR _____ EDR _____ BTU/HR. 620,000	DATE INSTALLED 1984
(See Reverse Side for Fittings)	DRUMS NO. _____ DIAMETER _____ IN. LENGTH _____ FT. _____ IN. <input type="checkbox"/> RIVETED <input type="checkbox"/> FORGE WELDED <input type="checkbox"/> FUSION WELDED	AIR HEATER <input checked="" type="checkbox"/> NONE <input type="checkbox"/> TUBULAR <input type="checkbox"/> REGENERATIVE <input type="checkbox"/> STEAM	BOILER TYPE <input checked="" type="checkbox"/> C.I. <input type="checkbox"/> WATER TUBE <input type="checkbox"/> FIRE TUBE
			DRAFT <input type="checkbox"/> NATURAL <input checked="" type="checkbox"/> FORCED <input type="checkbox"/> INDUCED
			PRODUCES <input type="checkbox"/> STEAM <input checked="" type="checkbox"/> LOW TEMP. WATER <input type="checkbox"/> HIGH TEMP. WATER
			CIRCULATION <input type="checkbox"/> NATURAL <input type="checkbox"/> FORCED

FUEL	FUEL & FIRING EQUIPMENT IN SERVICE		ALTERNATE FUEL & FIRING EQUIPMENT	
	COAL	OIL	COAL	OIL
	<input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS	<input checked="" type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY <input type="checkbox"/> OTHER _____	<input type="checkbox"/> ANTHRACITE <input type="checkbox"/> BITUMINOUS	<input type="checkbox"/> COMMERCIAL 1, 2, 4, 5, 6 <input type="checkbox"/> NAVY SPECIAL <input type="checkbox"/> OTHER _____
	<input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED		<input type="checkbox"/> NATURAL <input type="checkbox"/> MANUFACTURED	

FIRING EQUIPMENT	FUEL & FIRING EQUIPMENT IN SERVICE		ALTERNATE FUEL & FIRING EQUIPMENT	
	COAL - STOKER	COAL - PULVERIZER	COAL - STOKER	COAL - PULVERIZER
	<input type="checkbox"/> COAL - HAND FIRED <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE	<input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR	<input type="checkbox"/> COAL - HAND FIRED <input type="checkbox"/> UNDERFEED - MULTIPLE RETORT <input type="checkbox"/> UNDERFEED - SINGLE RETORT <input type="checkbox"/> SPREADER - DUMP GRATE <input type="checkbox"/> SPREADER - VIBRATING GRATE <input type="checkbox"/> SPREADER - TRAVELING GRATE <input type="checkbox"/> CHAIN GRATE	<input type="checkbox"/> COAL - PULVERIZER <input type="checkbox"/> ATTRITION <input type="checkbox"/> BALL & RACE <input type="checkbox"/> BOWL MILL <input type="checkbox"/> TUBULAR
	<input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE	<input checked="" type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP	<input type="checkbox"/> GAS RING <input type="checkbox"/> VENTURI TYPE	<input type="checkbox"/> MECHANICAL <input type="checkbox"/> STEAM ATOMIZED <input type="checkbox"/> AIR ATOMIZED <input type="checkbox"/> ROTARY CUP

FIRING EQUIPMENT MANUFACTURER A.B.C. SUNRAY - HONEYWELL CONTROLS
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PROPERTY NO. H-3	BUILDING OR LOCATION HOSPITAL - PUBLIC WORKS BLDG.	BOILER H-3	ACTIVITY NRMC.
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DATA RECORD SHEET - BOILERS
 MAYFAC 9-11014/40 (9-69) Supersedes NAVDOCKS 2509
 S/N 0105-003-7010

FITTING	NUMBER	SIZE	MANUFACTURER	TYPE	SETTING	RANGE	PRESSURE CLASS
SAFETY VALVES	1	3/4"	CONBRACO		50		
STEAM OUTLET VALVES	1	2"	STOCKHAM	GATE			200 WOG
BLOW-OFF VALVES	1	2"	STOCKHAM	GATE			125 WOG
FEEDWATER VALVES		1"	STOCKHAM	GATE			125 WOG
WATER COLUMN							
FEEDWATER REGULATOR	1	1"	WATTS	5 m 2		10-35	200 PSI
WATER GAGES							
STEAM GAGES	1		ALTITUDE 60°-260° F U.S. GAGE 0-100 PSI				
SOOT BLOWERS							
FUSIBLE PLUGS							

LWCO - MCDONNELL # 63

SXU MFG. CONBRACO - SET 50 CAP. 805,000 BTU/HR SIZE 3/4"

OIL BURNER NOZZLES 2 EA. 2.75 GPH @ 90°

BOILER INSPECTION CHECK LIST

7 JUNE 84 - HYDRO-

LOCATION		BLDG NO.	BOILER NO.	DATE
NEW HOSPITAL PUBLIC WKS. BLDG.		PUBLIC WORKS BLDG.	H-3	1 FEB 85 17 DEC 84
BOILER MFG. BURNHAM			CAP.	
SERIAL NO. 7581060		MODEL NO. PF-504	H.B. NO.	
BURNER MFG. ABC. SUNRAY 95A-1			FIRING RATE: 620	
STEAM GAGE NAME: U.S. GAGE		60°-240°	PRESS. 0-100	TEST
SV MFG CONBRACO	CAP 805 MBTK	NO. 1	SIZE 3/4"	
NO. 1	SET 50	OPEN 51	CLOSE	
NO. 2	SET	OPEN	CLOSE	
NO. 3	SET	OPEN	CLOSE	
CO2% 11.5	02%	STACK TEMP 460-60-400	COMB. EFF. 83.5	POURGE TIME
NO. 1 FIREYE	C/O	OK L/O 5 SEC.	A/L	
NO. 2 FIREYE	C/O		A/L	
HI ^{WATER} STEAM TEMP.	C/O	OK @ 170° ALT GAGE (160° ON CONTROL SWITCH.		
EXCESS ^{WATER} STEAM TEMP.	C/O	OK @ 190 ALT GAGE (190° ON CONTROL SWITCH.		
HI OIL TEMP.	C/O	MANUAL RESET	A/L	
HI OIL PRESS.	C/O		A/L	
LO OIL TEMP.	C/O		A/L	
LO OIL PRESS.	C/O		A/L	
LO ATOM AIR/STEAM	C/O		A/L	
NO. 1 LW	C/O	OK MANUAL RESET	A/L	
NO. 2 LW	C/O		A/L	
LO FURNACE DRAFT	C/O		A/L	
LO FIRE START	C/O		A/L	
TYPE OF FUEL	#2		A/L	

REMARKS:

FUEL OIL PUMP PRESS - 100 PSI
 BUSTER PUMP PRESS - 75 PSI TO MUCH ON PRESS.
 SMOKE SAMPLE CLEAR AT BOILER OUTLET.

1. ~~R.O. BUSTER PUMP~~ WORKING & INSTALL RECIRCULATION REGULATOR VALVE.
- OK-2. 1-FEB 85 INSTALLED RECIRCULATION LINE WITH NO THROTTLE VALVE IN FUEL OIL BUSTER PUMP.

7 JUNE 1984
HYDROSTATIC TEST BOILER AT 60 PSI.

MAWP - WATER - 50 - STEAM 15 PSI

STEAM SQ FT. 1938

STEAM MBH 455.1

FIRING RATE 5.45 GPH

CONTROLS - HONEYWELL

LWCO - McDONNELL # 63

MFGRS. SERIAL NO.

7581060

MFGRS. MODEL NO.

PF-504

MANUFACTURER

BURNHAM

DATE OF SHEET

17 DEC. 84

TYPE OF SUPERHEATER

FURNACE VOLUME

CU. FT.

OPERATION

USE

DATE BUILT

1984

DATE INSTALLED

1984

TEMPERATURE AT SUPERHEATER OUTLET

BOILER 1938

WATER WALL

ECONOMIZER

SUPERHEATER

DRUMS

NO.

DIAMETER IN.

LENGTH FT. IN.

RIVETED

FORGE WELDED

FUSION WELDED

AUTOMATIC

SEMI-AUTOMATIC

MANUAL

PRESSURE (psig)

50 DESIGN

50 MAWP

25 INSTALLED WP

AIR HEATER

NONE

TUBULAR

REGENERATIVE

STEAM

EXPORT

ELEC. POWER GENERATION

LAID UP - WET

LAID UP - DRY

HEATING

BOILER TYPE

C.I.

WATER TUBE

FIRE TUBE

DRAFT

NATURAL

FORCED

INDUCED

PRODUCES

STEAM

LOW TEMP. WATER

HIGH TEMP. WATER

CIRCULATION

NATURAL

FORCED

NORMAL FEEDWATER TEMPERATURE

°F

(See Reverse Side for Fittings)

CAPACITY

HP

LB./HR

EDR

620 BTU/HR.

FUEL & FIRING EQUIPMENT IN SERVICE

ALTERNATE FUEL & FIRING EQUIPMENT

FUEL

COAL

ANTHRACITE

BITUMINOUS

GAS

NATURAL

MANUFACTURED

OIL

COMMERCIAL 1, 2, 4, 5, 6

NAVY

OTHER

COAL

ANTHRACITE

BITUMINOUS

GAS

NATURAL

MANUFACTURED

OIL

COMMERCIAL 1, 2, 4, 5, 6

NAVY SPECIAL

OTHER

FIRING EQUIPMENT

COAL-HAND FIRED

COAL - STOKER

UNDERFEED - MULTIPLE RETORT

UNDERFEED - SINGLE RETORT

SPREADER - DUMP GRATE

SPREADER - VIBRATING GRATE

SPREADER - TRAVELING GRATE

CHAIN GRATE

GAS

GAS RING

VENTURI TYPE

COAL - PULVERIZER

ATTRITION

BALL & RACE

BOWL MILL

TUBULAR

OIL BURNERS

MECHANICAL

STEAM ATOMIZED

AIR ATOMIZED

ROTARY CUP

COAL-HAND FIRED

COAL - STOKER

UNDERFEED - MULTIPLE RETORT

UNDERFEED - SINGLE RETORT

SPREADER - DUMP GRATE

SPREADER - VIBRATING GRATE

SPREADER - TRAVELING GRATE

CHAIN GRATE

GAS

GAS RING

VENTURI TYPE

COAL - PULVERIZER

ATTRITION

BALL & RACE

BOWL MILL

TUBULAR

OIL BURNERS

MECHANICAL

STEAM ATOMIZED

AIR ATOMIZED

ROTARY CUP

FIRING EQUIPMENT MANUFACTURER

A.B.C. SUNRAY

PROPERTY NO.

H-3

BUILDING OR LOCATION

HOSPITAL PUBLIC WORKS BLDG.

NRMC

BOILER

ACTIVITY

USN. REG. MED CENTER

DATA RECORD SHEET - BOILERS
 MAYFAC 9-11014/40 (9-68) Superseded NAVDOC 2509
 S/N 0105-003-7010

FITTING	NUMBER	SIZE	MANUFACTURER	TYPE	SETTING	RANGE	PRESSURE CLASS
SAFETY VALVES	1	3/4	CONBRACO		50		
STEAM OUTLET VALVES	1	2"	STOCKHAM	GATE		200 WOG	175
DRAIN BLOW-OFF VALVES	1	2"	STOCKHAM	GATE			175
FEEDWATER VALVES	2		STOCKHAM				
WATER COLUMN							
FEEDWATER REGULATOR	1	1"	WATTS	MODEL 5M2		200 PSE	10-35
WATER GAGES							
STEAM GAGES			ALTITUDE 40-2600 US GAGE 0-100				
SOOT BLOWERS							
FUSIBLE PLUGS							

LWCO - MCDONNELL #63

SIU MFG - CONBRACO - SET @ 50 PSI CAP 805 MBH SIZE 3/4

CONTRACT # C-1764

OIL BURNER TIP - 2 EA. 2.75 GPH - 90A