INSPECTION REPORT-BOILERS
NAVFAC 9-11014/41 (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-LF-004-0000

DATE OF INSPECTION: 3 July 1979

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: BASE MAINT. OFFICER CAMP LEJEUNE N.C.

2. TO: NAVFACENGCOM NORFOLK VA.

14. CERTIFICATE ISSUED [X] YES [ ] NO: 14 DEC 1979

15. BOILER INSPECTOR: Jesse L. Sellers

NAVY OR NATIONAL BOARD NO: NAVFAC 225

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: RILEY STOKER

4. PROPERTY NO.: 1

5. MFG. SERIAL NO.: 1944

6. MFG. MODEL NO.: P-25-25-W-W.

7. BUILDING NO.: 1700

8. YEAR BUILT: 1942

9. CAPACITY: 100,000 #/HR

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE: DESIGNED 193 psi; OPERATING 150 psi; TEST 290 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: EXPORT

18. COMBUSTION CONTROL (Mfg. Name): BAILEY & FIREYE

19. COMBUSTION: _____ % CO_2 _____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER _____ °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" 1-6"	185-187-190	—

STEAM PRESSURE GAUGE

25. MANUFACTURER: ASHCROFT

26. CORRECTIONS: WATER LEG CONSTANT _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	FABER oil BURNER	RILEY STOKER
29. TYPE	GUN & NOZZLE - STEAM ATOM	Atrita #4 HAMMER & PEG
30. FUEL GRADE	#6	COAL

31. INSPECTOR'S COMMENTS:

32. ATTACHMENT(S) (Check): [X] COPY OF INSPECTOR'S REPORT [X] SPECIAL COMMENTS

33. SIGNATURE: R. M. Wilson BY DIRECTION

* U. S. GOVERNMENT PRINTING OFFICE: 1974—605-704

SND LANTDIV 9-4730/6 (Rev. 8/68)
Boiler Inspection - Addendum to NAVFAC 9-11014/41

DATE: 11 July 1979

ACTIVITY: Marine Corps Base, Camp Lejeune, North Carolina

BUILDING NO: 1700 BOILER NO: 1

Based on the existing condition and present rate of deterioration, it is estimated that the boiler has a remaining life of

/X/ 5 or more years /__/ ( ) years

The following corrective action is recommended:

1. Front wall refractory is shifting and pushing front wall burner eye tubes into flame pattern. Temporary repairs have been made to pull tubes back into place and refractory patched around burner eye and tube anchors.

2. Burner eye and boiler front wall refractory has been noted in prior inspection reports.

3. Boiler plant operators are having to cut back on boiler load due to flame impingement on wall tubes in back of furnace. This is caused by deterioration of the throat flare of the burner eyes as noted in enclosure (1), Report from Utilities on burner throat measurements.

4. Approximately thirty percent of the outer skin casing has deteriorated and leaks flue gases.

5. These repairs should be accomplished within next fiscal year due to:

a. An improved combustion efficiency (flame distortion from burner eye shape).

b. The potential problem and damage to burner eye tubes of moving into flame pattern from further front wall refractory movement.

OPNAV 5216/144 (REV. 6-70)
S/N-0107-778-8099

DEPARTMENT OF THE NAVY

Memorandum

MAIN/CLW/rn
11370
DATE: 19 Jul 1979

FROM: General Foreman, Steam Generation

TO: Director, Utilities Division

SUBJ: Replacement of Throat Tile in Boilers, Bldg 1700

1. Boilers have been giving trouble forthe last two or three years. There has been problems with heavy carbon build up around throat and down the front of boiler. We have also had trouble with impengement of tubes and flame hitting walls in back of furnace. Boiler air flow has been checked and new guns and nozzles have been installed to correct situation. Guns (new) have also been moved in and out of blast tube to try to get rid of impengement problem, but nothing seems to help. We have suspected for quite some time that this situation was due to the shape of the throat. After careful observation and measurements, I feel sure that the throat tile is what is causing all, or most of our trouble.

2. Measurements were taken in Boiler No. 3, which indicate that the throat needs replacing. According to Print #4AB-3349-1 by Riley Stoker Corporation, throat measurements are 6" from throat ring to where flare in tile starts, 18" from throat ring should be 48" in diameter which is the overall drop of the tile. The measurements for Boiler No. 3 are: 8 to 10" from throat ring to where flare starts, 24 to 28" from throat ring, and 45" in diameter. Due to cracks and patching, there is very little uniformity in throats. With this situation as is, and if not corrected in the near future, we will most likely have to cut back on boiler load due to impengement. Presently on No. 2 Boiler, around 78,000-80,000 pounds of steam is all we can run due to flame hitting back walls; we are now using 85° nozzles.

COLON L. WETHERINGTON

INSPECTION REPORT-BOILERS
NAVFAC 9-11014/41 (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-004-0000

DATE OF INSPECTION: 10-31-77

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: Base Maint Officer Camp Lejeune N.C.

2. TO: Commandant Hdqtrs Marine Corps (Code LFE)

14. CERTIFICATE ISSUED [X] YES [ ] NO
Expires 11-30-77

15. BOILER INSPECTOR: E.D. Mabley

NAVY OR NATIONAL BOARD NO.: NAVFAC 101

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: Riley Stoker

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
1	1944	P25-25-WW.

7. BUILDING NO.	8. YEAR BUILT	9. CAPACITY
1700	1942	100,000 #/HR

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE

DESIGNED	OPERATING	TEST
193 psi	150 psi	290 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: Export

18. COMBUSTION CONTROL (Mfg. Name): Bailey + Fireye

19. COMBUSTION: — % CO_2 ____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER — °F ; AFTER HEAT TRAP ____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" 1-6"	185-187-193	—

STEAM PRESSURE GAUGE

25. MANUFACTURER: Ashcroft

26. CORRECTIONS: WATER LEG CONSTANT 10½ psi; OTHER ____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	Faber Oil Burner	Riley Stoker
29. TYPE	Gun + Nozzle	Atrita #4 Hammer + peg
30. FUEL GRADE	#6	Coal

31. INSPECTOR'S COMMENTS

Patch refractory Rebuild Burner eyes + front brick wall

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

33. SIGNATURE: R.M. [illegible] BY DIRECTION

☆U. S. GOVERNMENT PRINTING OFFICE 1971—426—287

INSPECTION REPORT-BOILERS
NAVFAC 9-11014/41 (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-LF-004-0000

DATE OF INSPECTION: 21 MAY 1979

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: BASE MAINT. OFFICER CAMP LEJEUNE N.C.

2. TO: NAVFACENGCOM NORFOLK VA.

14. CERTIFICATE ISSUED [X] YES [ ] NO
EXPIRES 28 NOV 1979

15. BOILER INSPECTOR: Jesse L. Gillens

NAVY OR NATIONAL BOARD NO.: NAVFAC 225

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: RILEY STOKER

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
3	1946	P-25-25-WW
7. BUILDING NO.	**8. YEAR BUILT**	**9. CAPACITY**
1700	1942	100,000 #/HR

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE: DESIGNED 193 psi; OPERATING 150 psi; TEST 300 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: EXPORT

18. COMBUSTION CONTROL (Mfg. Name): BAILEY & FIREYE

19. COMBUSTION: _____ % CO_2 _____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER _____ °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" 1-6"	185-187-190	—

STEAM PRESSURE GAUGE

25. MANUFACTURER: ASHCROFT

26. CORRECTIONS: WATER LEG CONSTANT _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	FABER oil BURNER	RILEY STOKER
29. TYPE	GUN & NOZZLE - STEAM ATOM	ATRITA #4 HAMMER & PEG
30. FUEL GRADE	#6	COAL

31. INSPECTOR'S COMMENTS

32. ATTACHMENT(S) (Check): [X] COPY OF INSPECTOR'S REPORT [X] SPECIAL COMMENTS

33. SIGNATURE: R. M. Dillon

BY DIRECTION

* U. S. GOVERNMENT PRINTING OFFICE: 1974—605-704

5ND LANTDIV 9-4730/6 (Rev. 8/68)
Boiler Inspection - Addendum to NAVFAC 9-11014/41

DATE: 21 May 1979

ACTIVITY: Marine Corps Base, Camp Lejeune, North Carolina

BUILDING NO: 1700 BOILER NO: 3

Based on the existing condition and present rate of deterioration, it is estimated that the boiler has a remaining life of

/X/ 5 or more years /__/ ( ) years

The following corrective action is recommended:

1. Front wall refractory is shifting and pushing front wall burner eye tubes into flame pattern. Temporary repairs have been made to pull tubes back into place and refractory patched around burner eye and tube anchors.

2. Burner eye and boiler front wall refractory has been noted in major inspection reports.

3. Approximately ten percent of the outer skin casing has deteriorated and leaks flue gases.

4. These repairs should be accomplished within next fiscal year due to:

a. An improved combustion efficiency (flame distortion from burner eye shape).

b. The potential problem and damage to burner eye tubes of moving into flame pattern from further front wall refractory movement.

OPNAV 5216/144 (REV. 6-70)
S/N-0107-778-8099

DEPARTMENT OF THE NAVY

Memorandum

MAIN/CLW/rn
11370
DATE: 19 Jul 1979

FROM: General Foreman, Steam Generation

TO: Director, Utilities Division

SUBJ: Replacement of Throat Tile in Boilers, Bldg 1700

1. Boilers have been giving trouble forthe last two or three years. There has been problems with heavy carbon build up around throat and down the front of boiler. We have also had trouble with impengement of tubes and flame hitting walls in back of furnace. Boiler air flow has been checked and new guns and nozzles have been installed to correct situation. Guns (new) have also been moved in and out of blast tube to try to get rid of impengement problem, but nothing seems to help. We have suspected for quite some time that this situation was due to the shape of the throat. After careful observation and measurements, I feel sure that the throat tile is what is causing all, or most of our trouble.

2. Measurements were taken in Boiler No. 3, which indicate that the throat needs replacing. According to Print #4AB-3349-1 by Riley Stoker Corporation, throat measurements are 6" from throat ring to where flare in tile starts, 18" from throat ring should be 48" in diameter which is the overall drop of the tile. The measurements for Boiler No. 3 are: 8 to 10" from throat ring to where flare starts, 24 to 28" from throat ring, and 45" in diameter. Due to cracks and patching, there is very little uniformity in throats. With this situation as is, and if not corrected in the near future, we will most likely have to cut back on boiler load due to impengement. Presently on No. 2 Boiler, around 78,000-80,000 pounds of steam is all we can run due to flame hitting back walls; we are now using 85° nozzles.

COLON L. WETHERINGTON

INSPECTION REPORT-BOILERS
NAVFAC 9-11014/41 (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-LF-004-0000

DATE OF INSPECTION: 26 JUNE 1978

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: BASE MAINT. OFFICER CAMP LEJEUNE N.C.

2. TO: COMMANDANT Hdqtrs MARINE CORPS (CODE LFF)

14. CERTIFICATE ISSUED [X] YES [ ] NO
EXPIRES 15 FEB 1979

15. BOILER INSPECTOR: Jesse L. Sellers
NAVY OR NATIONAL BOARD NO.: NAVFAC 225

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: Riley STOKER CORPORATION

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
3	1946	P-25-25-WW
7. BUILDING NO.	**8. YEAR BUILT**	**9. CAPACITY**
1700	1942	100,000 #/HR

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE: DESIGNED 193 psi; OPERATING 150 psi; TEST 300 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: EXPORT

18. COMBUSTION CONTROL (Mfg. Name): FIREYE & BAILEY

19. COMBUSTION: _____ % CO_2 _____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER _____ °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" - 1-6"	185-187-190	

STEAM PRESSURE GAUGE

25. MANUFACTURER: ASHCROFT

26. CORRECTIONS: WATER LEG CONSTANT 10 psi; OTHER _____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	FABER oil BURNER	RILEY STOKER
29. TYPE	GUNE NOZZLE - STEAM ATOM -	ATRITA #4 HAMMER & SEG
30. FUEL GRADE	#6	COAL

31. INSPECTOR'S COMMENTS
REPLACE CENTER SAFETY VALVE GASKET - REPLACED All AIR HEATER TUBES 2ND PASS

REBUILD FRONT BRICK WALL FIREBOX - REPAIR STEAM DRUM INSULATION -

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

33. SIGNATURE: R.M. Dillon
BY DIRECTION

* U. S. GOVERNMENT PRINTING OFFICE: 1974—605-704

INSPECTION REPORT-BOILERS
NAVFAC 9-11014/41 (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-LF-004-0000

DATE OF INSPECTION: 4-13 To 4-22-77

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: Base Maint Officer Camp Lejeune NC.

2. TO: Commandant Hdqtrs Marine Corps (Code LFF)

14. CERTIFICATE ISSUED [X] YES [ ] NO
Expires 12-7-77

15. BOILER INSPECTOR: E.O. Mobley
NAVY OR NATIONAL BOARD NO.: NAV FAC 101

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: Riley Stoker Corporation

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
3	1946	P-25-25-WW.
7. BUILDING NO.	**8. YEAR BUILT**	**9. CAPACITY**
1700	1942	100,000 #/HR.

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE: DESIGNED 193 psi; OPERATING 150 psi; TEST 300 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: Expert

18. COMBUSTION CONTROL (Mfg. Name): Fireye & Bailey

19. COMBUSTION: – % CO_2 ____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER – °F ; AFTER HEAT TRAP ____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" - 1-6"	185-187-190	–

STEAM PRESSURE GAUGE

25. MANUFACTURER: Ashcroft

26. CORRECTIONS: WATER LEG CONSTANT 10 psi; OTHER ____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	Faber Oil Burner	Riley Stoker
29. TYPE	Gun & Nozzle Steam Atom.	Atrita #4 Hammer & Peg
30. FUEL GRADE	# 6	Coal

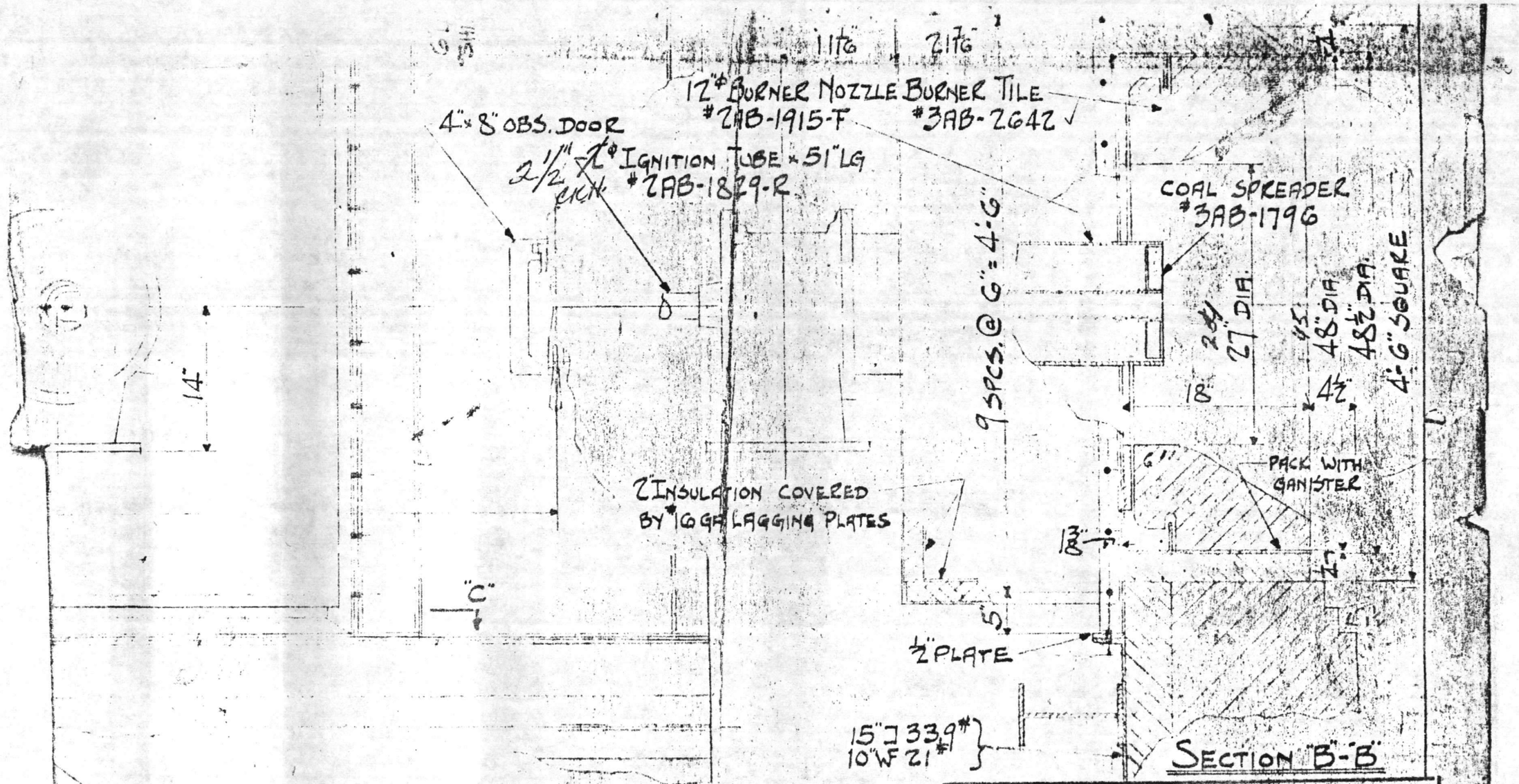
31. INSPECTOR'S COMMENTS

Patch Refractory & Rebuild Front Brick wall Firebox

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

33. SIGNATURE: J O Davis BY DIRECTION

* U. S. GOVERNMENT PRINTING OFFICE: 1974—605-704



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DO NOT SCALE USE DIMENSIONS ONLY

"N" DENOTES MATERIAL NOT FURNISHED
"F" DENOTES MATERIAL FURNISHED BY RILEY STOKER CORPORATION

DRAWN H.R. WHITTLE
TRACED
DATE 11-14-41
CHECKED N.F. Johnson
APPROVED

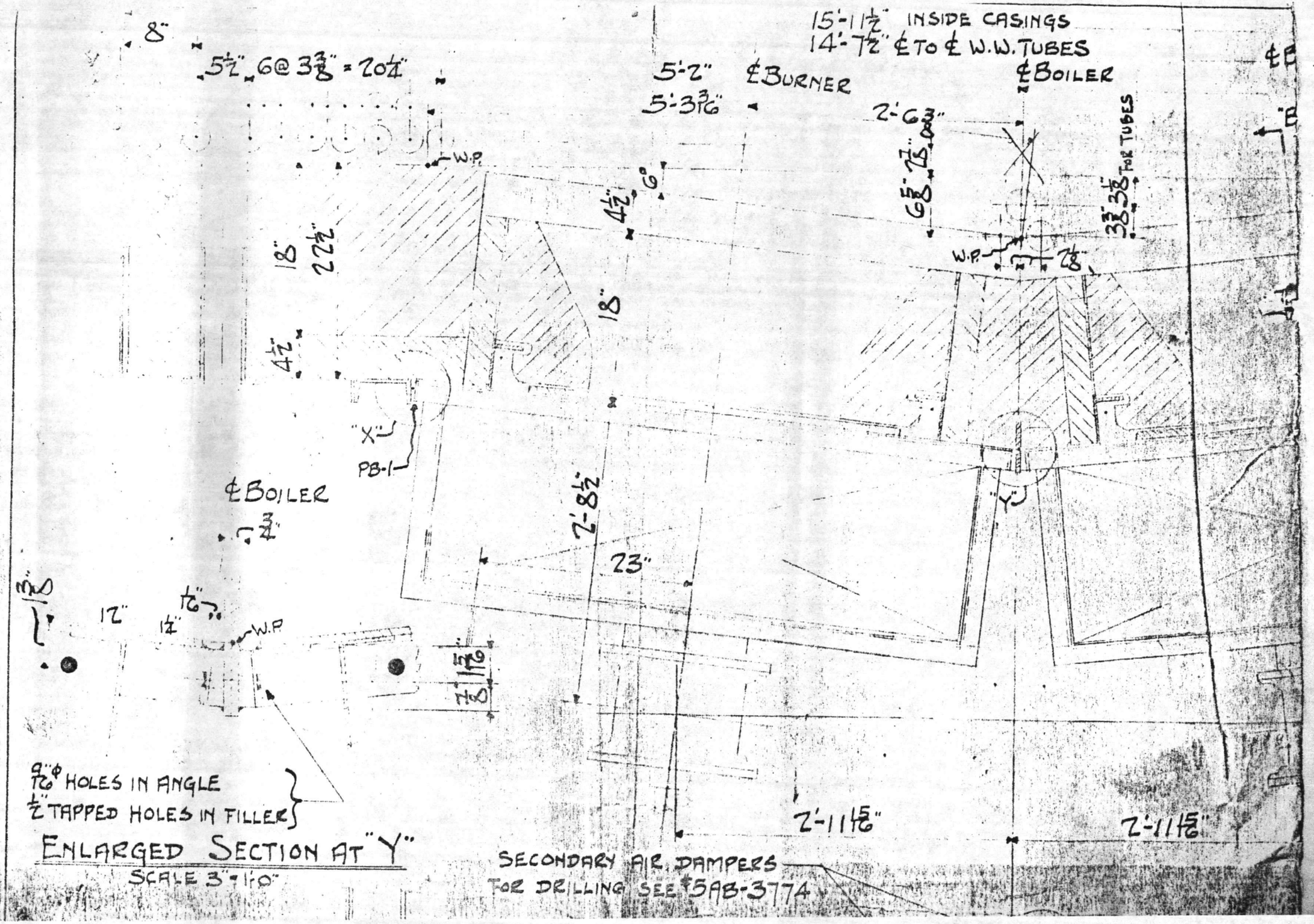
RILEY STOKER CORPORATION
WORCESTER, MASSACHUSETTS

BURNER INSTALLATION FOR #3 1/2 RILEY FLARE TYPE BURNERS (SPECIAL-INSIDE INSULATION) WITH #4 HEADS.

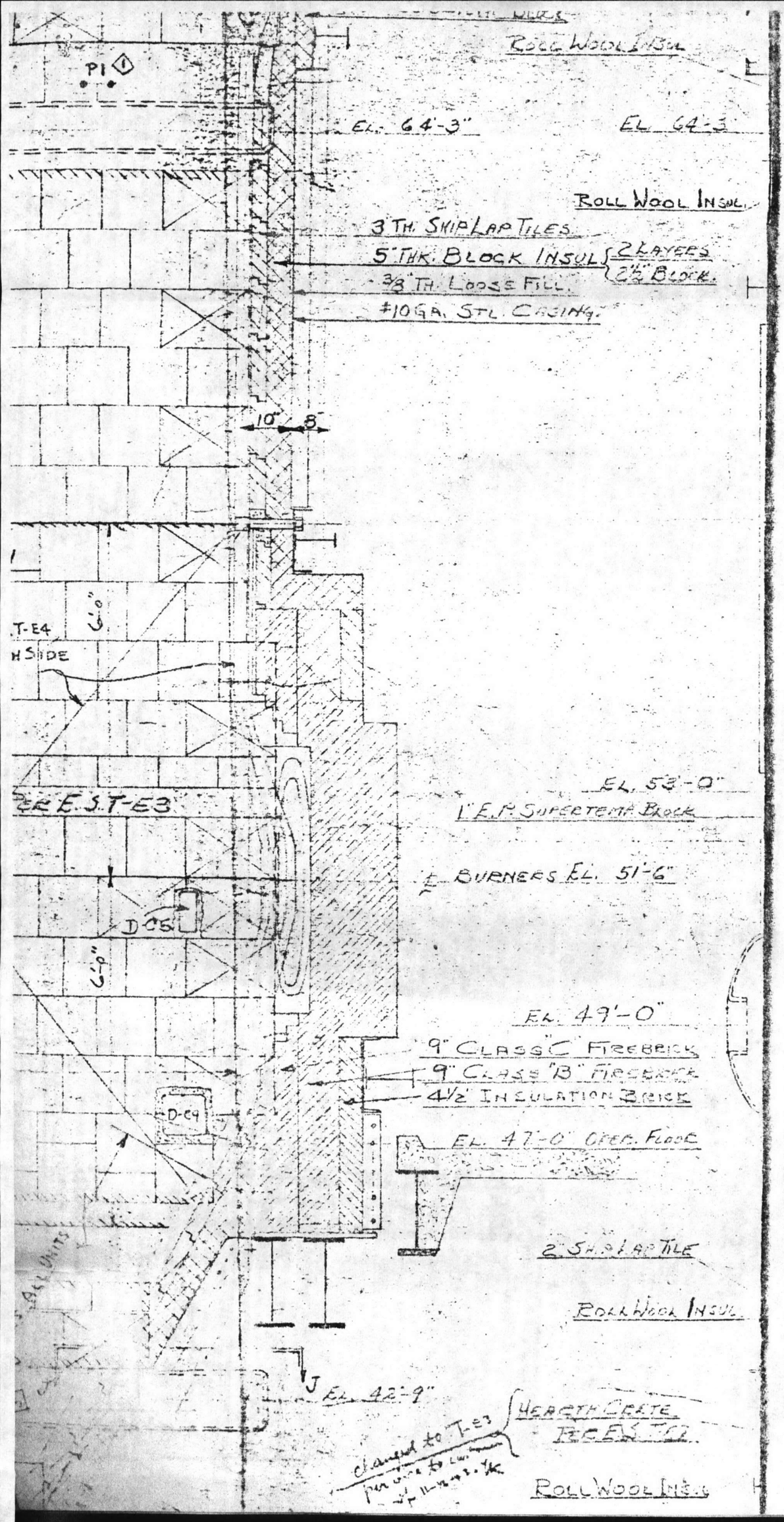
FOR U.S. MARINE BARRACKS, NEW RIVER, N.C.

No. 4AB-3349 — 1

FIRST USED ON CONT. NO. 3537



ENLARGED SECTION AT "Y"
SCALE 3" = 1'-0"


ROLL WOOL INSUL
P1
EL. 64'-3"
EL. 64'-3"
ROLL WOOL INSUL.
3" TH. SKIP LAP TILES
5" THK. BLOCK INSUL
2 LAYERS 2½" BLOCK
3/8" TH. LOOSE FILL.
#10 GA. STL. CASING
10"
8"
6'-0"
T-E4
H SIDE
EL. 53'-0"
1" E.P. SUPERTEMP. BLOCK
BURNERS EL. 51'-6"
D-C5
6'-9"
EL. 49'-0"
9" CLASS "C" FIREBRICK
9" CLASS "B" FIREBRICK
4½" INSULATION BRICK
D-C9
EL. 47'-0" OPER. FLOOR
2" SKIP LAP TILE
ROLL WOOL INSUL.
J
EL. 42'-9"
HEARTH CRETE
ROLL WOOL INSUL

INSPECTION REPORT BOILERS
NAVFAC 9-11014 (4) (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-LF-004-0000

DATE OF INSPECTION: 11-10-77

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] ~~INTERNAL &~~ EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: Base Maint Officer Camp Lejeune N.C.

2. TO: Commandant Hdqtrs Marine Corps (Code LEE)

14. CERTIFICATE ISSUED [ ] YES [X] NO

15. BOILER INSPECTOR: E.C. Mobley

NAVY OR NATIONAL BOARD NO.: NAV FAC 101

BOILER DATA

3. MANUFACTURER: Riley Stoker

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
4	1978	P-25-25-W.W.

7. BUILDING NO.	8. YEAR BUILT	9. CAPACITY
1700	1942	100,000 #/HR

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE

DESIGNED	OPERATING	TEST
193 psi	150 psi	287 psi

12. FEED WATER TREATMENT: [ ] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

16. REASON FOR NOT ISSUING CERTIFICATE: This unit suffered a fire box explosion 11-3-77 with severe damage to Refractory Tile and casing - Baffles are intact and unit holds Hydrostatic pressure unit was being lit off on coal firing at time of incid

17. BOILER USE: Export

18. COMBUSTION CONTROL (Mfg. Name): Bailey and Fireye

19. COMBUSTION: _____ % CO_2 _____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER _____ °F : AFTER HEAT TRAP _____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" 1-6"	185-187-193	—

STEAM PRESSURE GAUGE

25. MANUFACTURER: Ashcroft

26. CORRECTIONS: WATER LEG CONSTANT 10½ psi; OTHER _____ psi

27. REASON IF NOT TESTED

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	Faber Oil Burner	Riley Stoker
29. TYPE	Gun + Nozzle - Steam atom.	Atrita #4 Hammer & Peg
30. FUEL GRADE	#6	Coal

31. INSPECTOR'S COMMENTS: Replace Backwork, Refractory and Refractory Tile and Casing - Side and Front walls and Top

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

33. SIGNATURE: [signature] BY DIRECTION

U.S. GOVERNMENT PRINTING OFFICE 1971—426-287

INSPECTION REPORT-BOILERS
NAVFAC 9-11014/41 (3/67)
Supersedes NAVDOCKS 2544
S/N 0105-LF-004-0000

DATE OF INSPECTION: 5-18/6-8-77

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH PRESSURE TEST C [ ] OPERATIONAL

1. FROM: Base Maint Officer Camp Lejeune N.C.

2. TO: Commandant Hdqtrs Marine Corps (Code LFF)

14. CERTIFICATE ISSUED [X] YES [ ] NO
Expires 12-1-77

15. BOILER INSPECTOR: E.O. Mabley

NAVY OR NATIONAL BOARD NO.: NAV FAC 101

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: Riley Stoker Corp.

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
4	1978	P 25-25-W.W.
7. BUILDING NO.	**8. YEAR BUILT**	**9. CAPACITY**
1700	1942	100,000 #/HR

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE

DESIGNED	OPERATING	TEST
193 psi	150 psi	287 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: Export

18. COMBUSTION CONTROL (Mfg. Name): Bailey + Fireye

19. COMBUSTION: — % CO_2 ____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: — AFTER BOILER ____ °F ; AFTER HEAT TRAP ____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" + 1-6"	185-187-193	—

STEAM PRESSURE GAUGE

25. MANUFACTURER: Ashcroft

26. CORRECTIONS: WATER LEG CONSTANT 10½ psi; OTHER ____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	Faber oil Burner	Riley Atrita #4.
29. TYPE	Gun + Nozzle-Steam Atom	Hammer + peg.
30. FUEL GRADE	#6	Coal

31. INSPECTOR'S COMMENTS

Replace Gasket - Top Flange of Water Column + Flange gasket on #2 Safety Valve
Repair Fire box Refractory - Replace Front Wall + Burner eyes

32. COMMENTS (Check): [ ] COPY OF INSPECTOR'S REPORT [ ] SPECIAL COMMENTS

33. SIGNATURE: J A Davis BY DIRECTION

★ U. S. GOVERNMENT PRINTING OFFICE: 1974—605-704

5ND LANTDIV 9-4730/6 (Rev. 8/68)
Boiler Inspection - Addendum to NAVFAC 9-11014/41

DATE: 28 June 1978

ACTIVITY: Marine Corps Base, Camp Lejeune, North Carolina

BUILDING NO: 1700 BOILER NO: 4

Based on the existing condition and present rate of deterioration, it is estimated that the boiler has a remaining life of

/_/ 5 or more years /_/ ( ) years

The following corrective action is recommended:

The addition of the lower firebox, header refractory and burner eye to be repaired or replaced at this time, based on:

1. Prior inspection reports by teh previous Boiler Inspector, E. O. Mobley, NAVFAC 101.

2. Visual inspection from bottom deck on 27 June 1978.

3. Due to extensive repairs to be done at this time.

Jesse L. Sellers
NAVFAC 225

ACTION REPORT-BOILERS
FORM B 1101/41 (3/61)
Made NAVSHIPS 2666
O.P. [illegible]

DATE OF INSPECTION: 8-31-77

TYPE OF INSPECTION: A [ ] INTERNAL & EXTERNAL B [X] INTERNAL & EXTERNAL WITH HYDROSTATIC TEST C [ ] OPERATIONAL

1. FROM: Base Maint Officer Camp Lejeune NC.

2. TO: Commandant Headquarters Marine Corps (Code LFF)

14. CERTIFICATE ISSUED [X] YES [ ] NO
EXPIRES 11-30-77

15. BOILER INSPECTOR: E.O. McKay

NAVY OR NATIONAL BOARD NO: NAV FAC 101

16. REASON FOR NOT ISSUING CERTIFICATE:

BOILER DATA

3. MANUFACTURER: Riley Stoker Corp.

4. PROPERTY NO.	5. MFG. SERIAL NO.	6. MFG. MODEL NO.
2	1945	P-25-35 W.W.
7. BUILDING NO.	**8. YEAR BUILT**	**9. CAPACITY**
1706	1942	100,000 #/HR.

10. FUEL (Check): [X] COAL [X] OIL [ ] GAS

11. PRESSURE: DESIGNED 193 psi; OPERATING 150 psi; TEST 300 psi

12. FEED WATER TREATMENT: [X] SATISFACTORY [ ] UNSATISFACTORY

13. TYPE: [X] WATER TUBE [ ] FIRE TUBE [ ] C. I.

17. BOILER USE: Export

18. COMBUSTION CONTROL (Mfg. Name): Bailey V Fireye

19. COMBUSTION: _____ % CO_2 _____ % EXCESS O_2

20. FLUE GAS TEMPERATURE: AFTER BOILER _____ °F ; AFTER HEAT TRAP _____ °F

SAFETY DEVICES

SAFETY VALVES

21. MANUFACTURER	22. NUMBER AND SIZE	23. PSI SETTING	24. CONDITION
Consolidated	2-3" 1-6"	185-187-192	—

STEAM PRESSURE GAUGE

25. MANUFACTURER: Ashcroft

26. CORRECTIONS: WATER LEG CONSTANT _____ psi; OTHER _____ psi

27. REASON IF NOT TESTED:

FIRING EQUIPMENT

ITEM	IN SERVICE	ALTERNATE
28. MANUFACTURER	Faber Oil Burner	Riley Stoker
29. TYPE	Cont No 331c Steam Atom.	Atrita #4 Hammer Pcs.
30. FUEL GRADE	#6	Coal

31. INSPECTOR'S COMMENTS

Refractory patched - Front brick wall & refractory to be replaced

32. ATTACHMENTS (Check): [ ] COPY OF INSPECTOR'S REPORT [ ] OTHER

33. SIGNATURE: [illegible]

BY DIRECTION

P.E.L. 662 (SHIP PUBLIC OFFICE EXCLUSIVE)