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DIA^s OF BOILER. 14' 6" INSIDE.
 LENGTH OF D^o 10' 9" OVER BOTTOM PLATES.
 NUMBER OF TUBES 246.
 LENGTH OF D^o 6' 6" BETWEEN PLATES.
 DIA^s OF D^o 3 1/2" AREA THRO. TUBES.
 HEATING SURFACE IN TUBES. 1463 sq. ft.
 TOTAL HEATING SURFACE 1890 sq. ft.
 FIRE BAR SURFACE. 51.25 sq. ft.
 DIA^s OF SAFETY VALVES. 2 3/4"
 CUBIC FEET OF STEAM SPACE 380.
 WORKING PRESSURE 210 LBS. LLOYDS.

DRAWN BY
 TRACED BY
 CHECKED BY
 DATE
 SCALE

16 - 1 1/2" RIVETS
 18 - 1 1/2" RIVETS
 2' 7" P.C.D.
 44 - 1 1/2" RIVETS
 3' 7 1/2" P.C.D.
 16 - 1 1/2" RIVETS
 4' 4 1/2" P.C.D.
 10 1/2" PITCH.

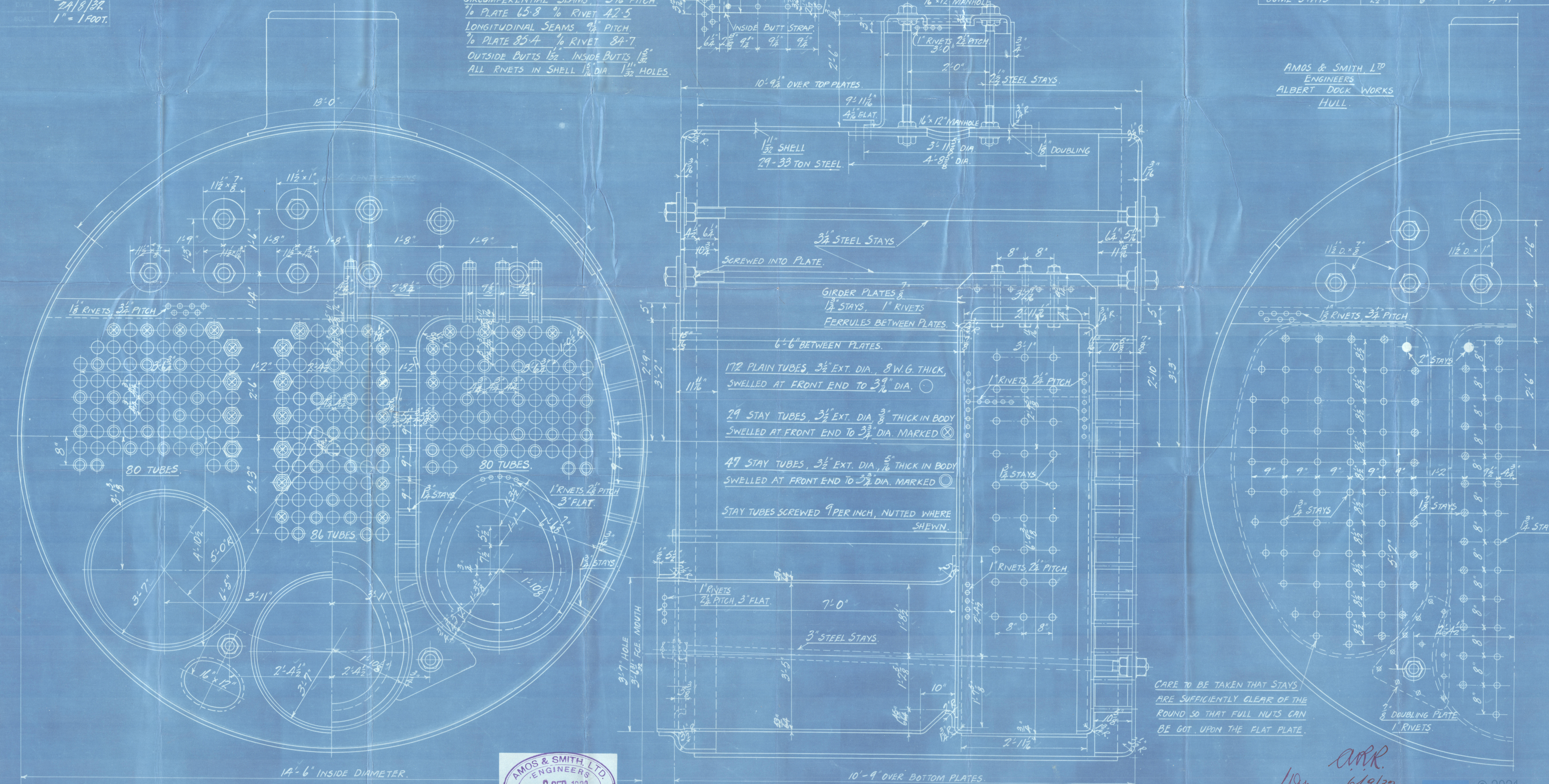
CLEAR HOLES
 RIVETS NOT TO BE FITTED
 HOLES TO ACT AS DRAINS.

NOTE! ALL PLATES, RIVETS, & STAYS OF STEEL BY THE SIEMENS-MARTIN PROCESS
 ALL RIVET HOLES DRILLED THROUGHOUT THE BOILER, THOSE IN SHELL
 AFTER THE PLATES ARE BENT.
 ALL FLANGED PLATES TO BE ANNEALED AFTER FLANGING.
 STAYS ARE NOT TO BE WELDED.
 TUBES ARE OF IRON.
 THE TENSILE STRENGTH OF THE SHELL PLATES, BUTT STRAPS &
 GIRDER PLATES TO BE BETWEEN 29 & 33 TONS PER SQ. INCH.
 THE COMBUSTION CHAMBER STAYS ARE SCREWED INTO BOTH PLATES
 & FITTED WITH A NUT AT EACH END.
 WASHERS ON OUTSIDE OF SHELL ONLY, NONE INSIDE C.C.

PARTICULARS OF STAYING			
	DIA.	IN. OF THREADS PER INCH.	EFFECTIVE AREA AT BOTTOM OF THREAD
STEAM SPACE STAYS	3 1/2"	6	7.24 SQ. INS.
BOTTOM STAYS	3"	6	6.1 "
STAY TUBES (3/4")	3 1/2"	9	2.36 "
STAY TUBES (5/8")	3"	9	2.92 "
C.C. STAYS	1 1/2"	9	2.03 "
C.C. STAYS	1 1/2"	9	2.36 "
C.C. STAYS	2"	9	2.71 "
DOVE STAYS	2 1/2"	6	4.11 "

CIRCUMFERENTIAL SEAMS 3 1/8" PITCH.
 1/8" PLATE 65.8 % RIVET 42.5
 LONGITUDINAL SEAMS 1/2" PITCH.
 1/8" PLATE 85.4 % RIVET 84.7
 OUTSIDE BUTTS 1/2". INSIDE BUTTS 1 1/2"
 ALL RIVETS IN SHELL 1 1/2" DIA 1 1/2" HOLES.

AMOS & SMITH LTD
 ENGINEERS
 ALBERT DOCK WORKS
 HULL.



10874



BOILER No 630

CARE TO BE TAKEN THAT STAYS
 ARE SUFFICIENTLY CLEAR OF THE
 ROUND SO THAT FULL NUTS CAN
 BE GOT. UPON THE FLAT PLATE.

ARR.
 6/9/32.

A.S. 85—2000—8/29—EW

T/3056.

From AMOS & SMITH, Ltd., HULL.

ENCLOSURE FOR

Messrs. *Lloyds* *Surveyors*

Hull

Lloyd's Register
Foundation

W 881-0032 (2/2)

HEATING

Amos + Smith La
Boiler 630.

duplicate from 629

629 8/2. "RIFSNES"

Hull rept. 43285.

W281-0032



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