

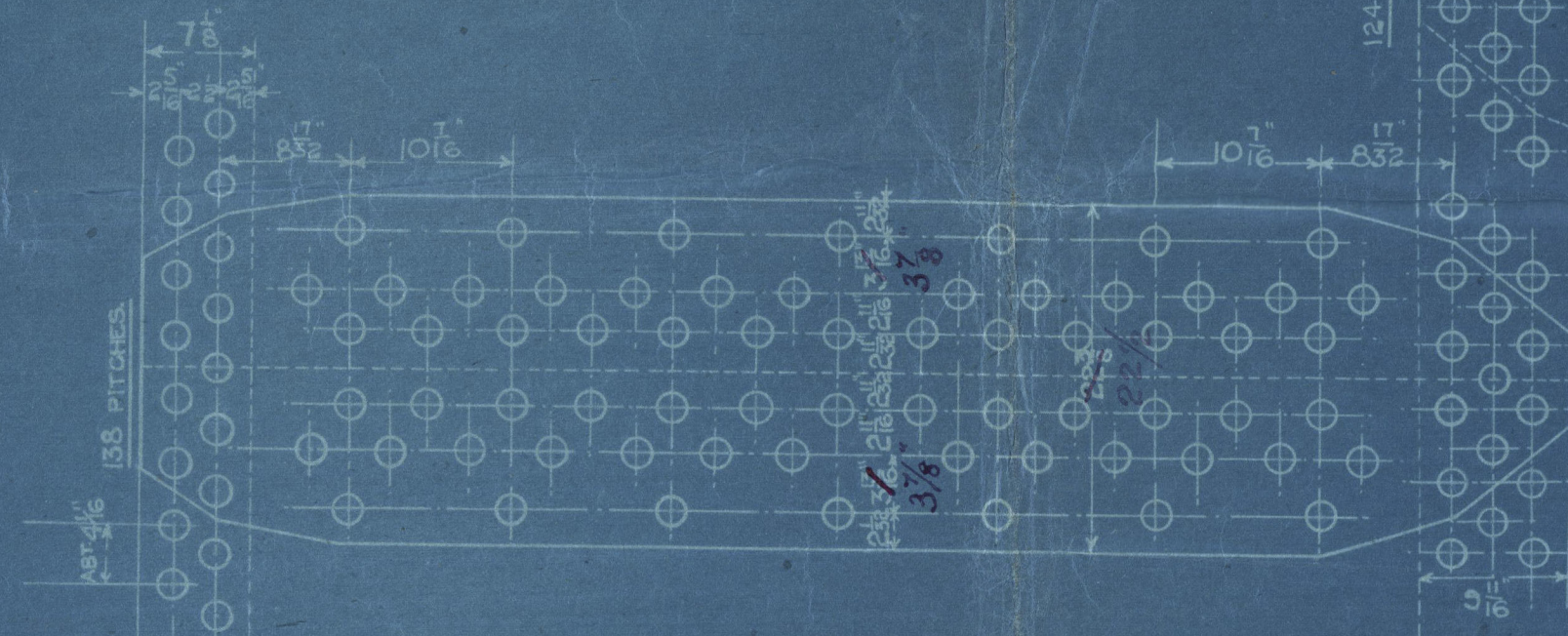
HEATING SURFACE	1 BOILER	8 BOILERS	THICKNESS OF PLATES	
TUBES	4076	32608	SHELL	1 1/2"
FURNACES	320	2560	BUTT STRAPS - OUTER	1 1/2"
FIRE BOXES	436	3488	TOP FRONT	1 1/2"
BACK TUBE PLATE	100	800	BOTTOM FRONT	1 1/2"
TOTAL	4932	39456	FURNACES	1 1/2"
			FIREBOX SIDES & TOP	1 1/2"
GRATE AREA (5" 3 BARS)	125 1/2	1000 1/2	" BOTTOM	1 1/2"
AREA THRO. TUBES	19.06 1/2			
LENGTH OF TUBES	7-10		Nº OF TUBES	1 BOILER 8 BOILERS
EXT. DIA. OF TUBES	2 1/2"		PLAIN TUBES	504 4432
WORKING PRESSURE	210 LBS.		STAY	242 1936
WEIGHT % OF JOINT	85 328		TOTAL	796 6368

MAXIMUM TENSILE STRENGTH OF SHELL & BUTT STRAPS - 34 TONS. *GIROER PLATES 26-32 TONS.*

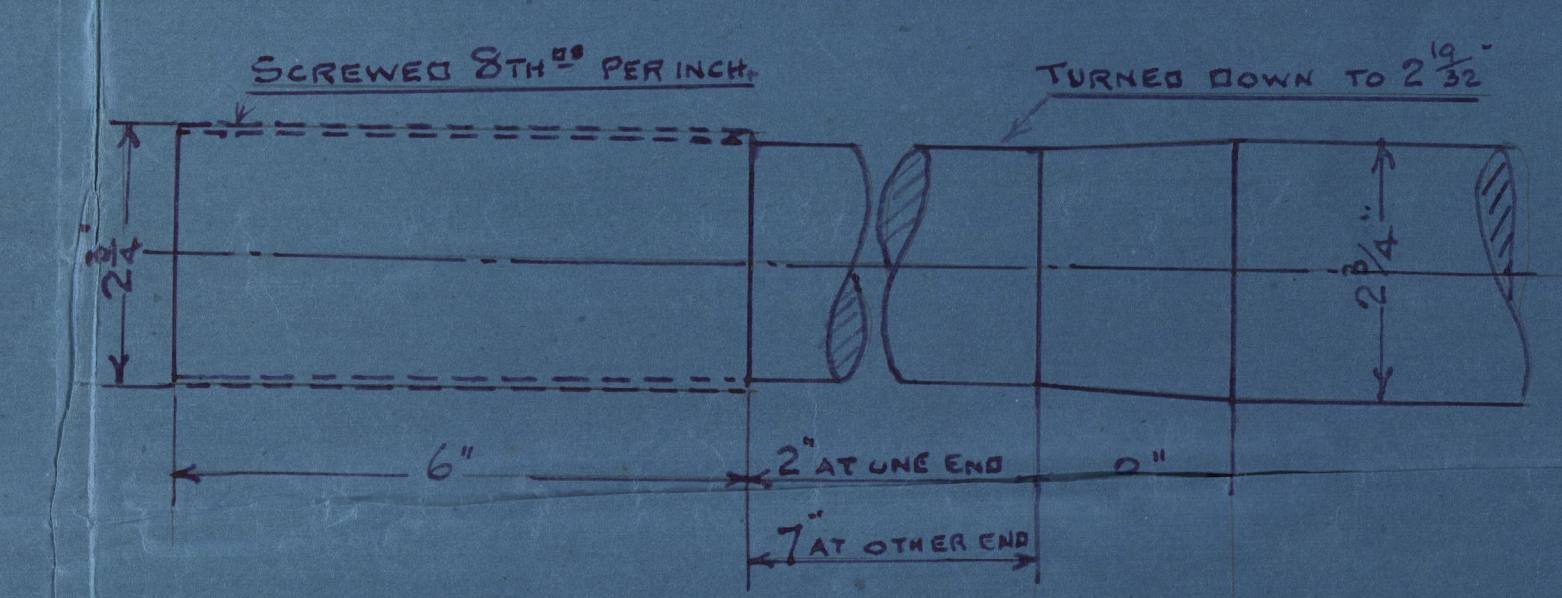
MINIMUM " " " " - 30 "

FURNACES, WRAPPERS, & ALL FLANGED PLATES - 26 TO 30 TONS

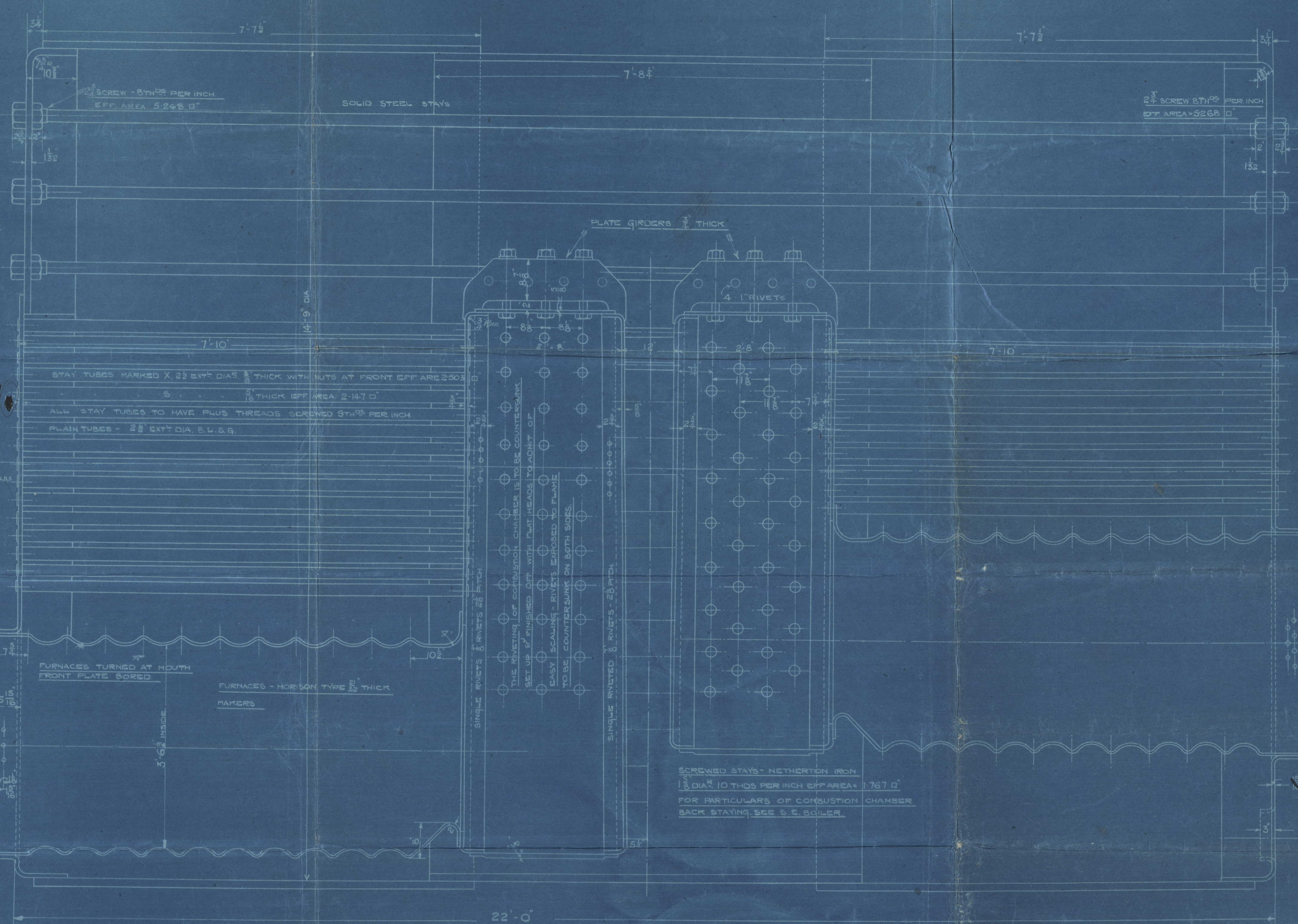
COMBUSTION CHAMBER SCREWED STAYS OF NETHERTON IRON
MATERIAL TO BE TESTED AS REQUIRED BY B.O.T.



SHELL PLATES 1 1/2" THICK
BUTT STRAPS - OUTER 1 1/2" INNER 1 1/2"
STRAPS OF ENDS - 1 1/2" RIVETS 1 1/2" HOLES
CIRCUM - 1 1/2" 1 1/2"
ALL HOLES DRILLED IN PLACE



DETAIL OF ENDS OF STEAM SPACE STAYS
HALF SIZE



TO B.O.T. OF LLOYD'S SURVEY
WORKING PRESSURE 210 LBS PER SQ. IN.
TEST 420
COAL CONSUMPTION 21.5 LBS PER SQ. FT. GRATE AREA.
SAFETY VALVES 2 @ 5 1/2" DIA.

D. E. BOILERS.
Nº 52S.
SCALE 1" = 1 FOOT

FAIRFIELD ENGINE WORKS
COVAN, GLASGOW
CHECKED 12-12-18
DEPARTMENT PRINT
ORDERED ISSUED RETURNED
Board of Trade 11-12-18 12-12-18
Scott 11-12-18 12-12-18
Others 11-12-18 12-12-18
NOTE: EVERY PRINT ISSUED MUST BE RETURNED TO DRAWING OFFICE WHEN WORK IS FINISHED.

SHIPPING & ENGINEERING
ENGINE DEPT
12 DEC 1918
COVAN, GLASGOW

15-12-17
H. L. L.
12-12-18

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