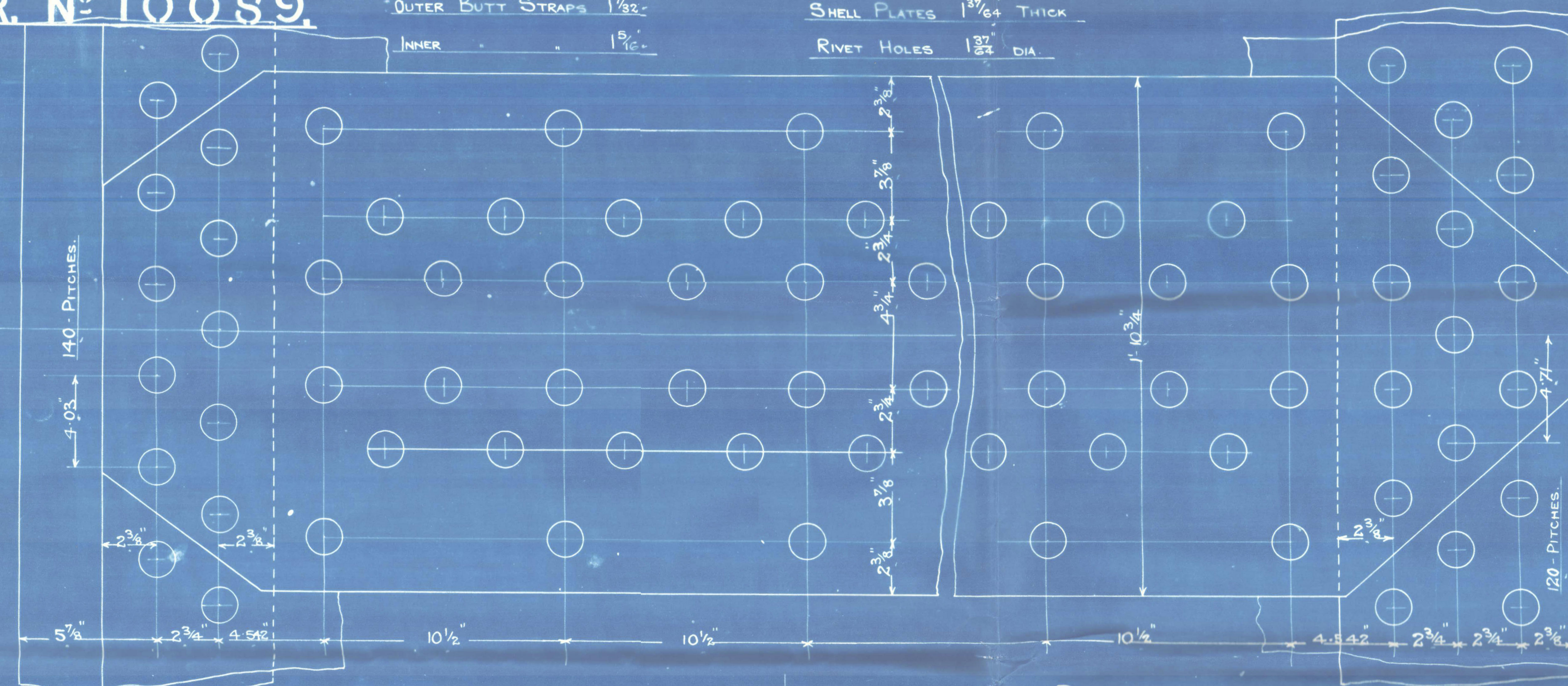


DR. N^o 10089

OUTER BUTT STRAPS $1\frac{1}{8}$ " THICK
INNER $1\frac{1}{8}$ "

SHELL PLATES $1\frac{1}{8}$ " THICK
RIVET HOLES $1\frac{1}{8}$ " DIA.



FOR RIVETING SEE NR 421

CORNER STAYS $2\frac{1}{4}$ " DIA STAYED UP TO $3\frac{1}{2}$ " DIA AT ONE END, SCREWED INTO PLATES 6-THREADS PER INCH CONTINUOUS THREAD.
ALL OTHER STEAM SPACE $3\frac{1}{8}$ " DIA STAYED UP TO $3\frac{1}{2}$ " DIA AT ONE END SCREWED INTO BOTH PLATES 5 THRS CONTINUOUS THREAD

SHELL RIVETING

3" = 1 FOOT

16' AXIS CIRCUMFERENTIAL

PLATE $1\frac{1}{8}$ " THICK
RIVET HOLES $1\frac{1}{8}$ " DIA

McNEILL'S MANHOLE DOOR

2 COMPENSATING RING

SHADED STAYS $1\frac{1}{2}$ " DIA

ARRANG^t OF STAYS THRO' SHELL

TO CLEAR SCREWED STAYS

STEEL T BARS
6"x4"x3/4" SECTION

9/16" STEEL PLATES

1" STEEL BOLTS
TURNED & FITTED

11-1/4" SCREW STAYS

DEVELOPMENT OF T BAR B

PARTICULARS OF RIVETING

SHELL	LONGITUDINAL SEAMS DOUBLE BUTT STRAPS RIVETED AS SHEWN
	STRENGTH OF PLATE 85% STRENGTH OF RIVET 87.5%
END PLATES	CIRCUMFERENTIAL SEAMS DOUBLE RIVETED AT ENDS AS SHEWN
	TREBLE " " CENTRE " "
FURNACES & CHAMBERS	LAPPED DOUBLE RIVETED 1/8" RIVETS 5/8" PITCH
	DOUBLE RIVETED 7/8" RIVETS 3" PITCH SINGLE RIVETED 7/8" RIVETS 2 1/2" PITCH
	ALL PLATES & RIVETS STEEL ALL HOLES DRILLED IN PLACE
	MINIMUM TENSILE STRENGTH OF SHELL PLATES 29 TONS PER SQ INCH
	MAXIMUM " " " " " "
	MINIMUM " " BUTT STRAPS 28 " " " "
	MAXIMUM " " " " " " 32 " " " "
	MINIMUM " " FURNACES & COMB CHAMBERS 26 TONS PER SQ INCH
	MAXIMUM " " " " " " 30 " " " "

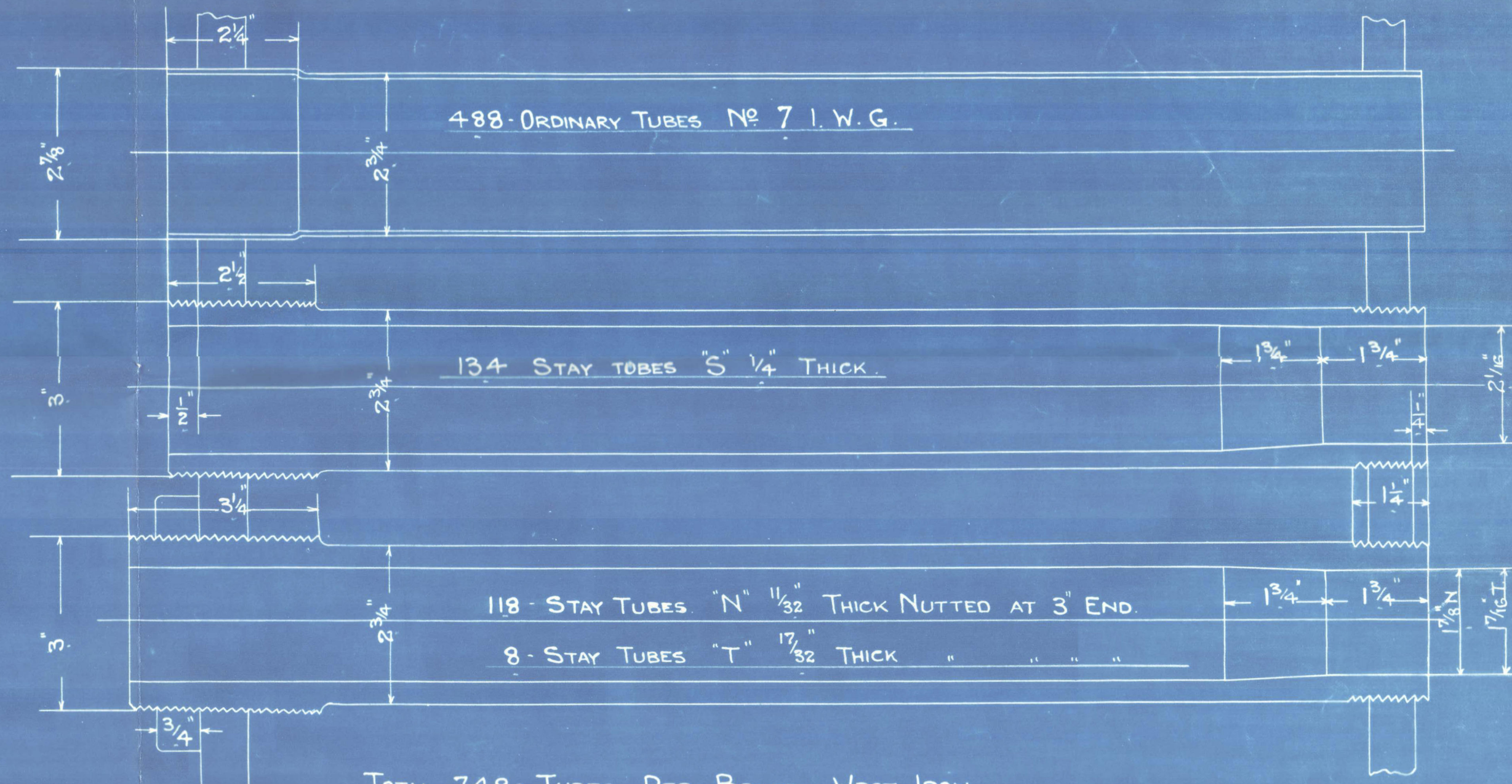
WORKING PRESSURE 215 LBS PER SQ INCH

TEST 430 LBS

NATURAL DRAUGHT

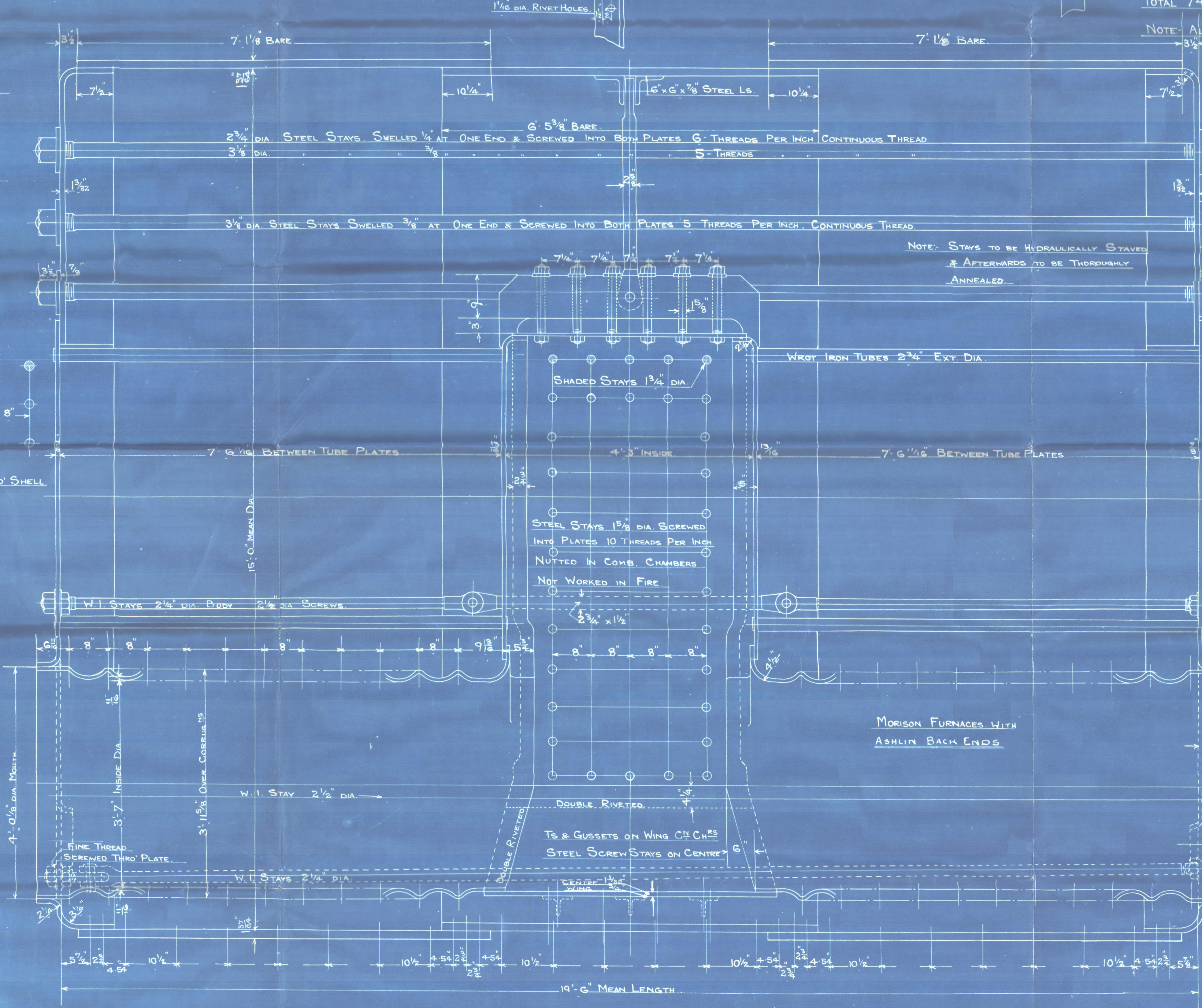
HEATING SURFACE	1 BOILER	6 BOILERS
TUBES	4065 #	
FURNACES	342 "	
COMB ^d CHAMBERS	265 "	
FRONT TUBE PLATES	65 "	
TOTAL	4735 #	28410 #
GRATE AREA (5 G BAR)	119.25 #	709.5 #
STEAM SPACE (8' ABOVE C.C.)	683 #	4093 #
AREA THRO' TUBES		

14/12/12



TOTAL 748 TUBES PER BOILER WROT IRON

NOTE: ALL STAY TUBES TO BE SCREWED 10-THREADS PER INCH



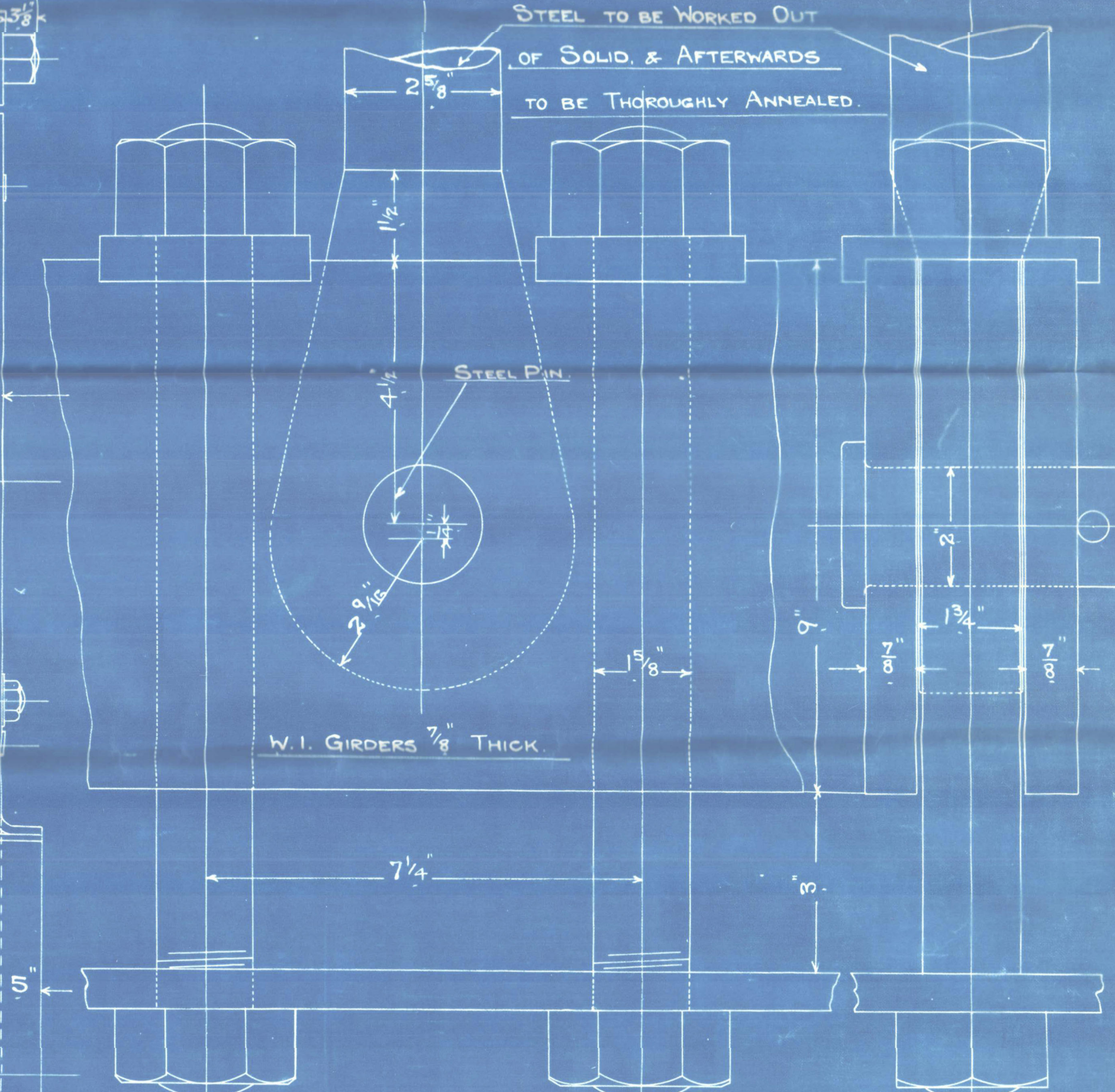
NOTE: STAYS TO BE HYDRAULICALLY STAYED & AFTERWARDS TO BE THOROUGHLY ANNEALED

WROT IRON TUBES 2 3/4" EXT DIA

MORISON FURNACES WITH ASHLIN BACK ENDS

11-1/4" SCREW STAYS ON CENTRE C.C. BOTTOM

RIVETS IN FURNACES & COMB CHAMBERS TO BE FINISHED AS SHEWN



28/16 J.P.R. 14/12/12

6-OFF

MAIN BOILER. N^o 442

SCALE: 1" = 1 FOOT

UNDER SURVEY OF BOARD OF TRADE & LLOYDS

23-9-12

Lloyd's Register Foundation

SOLANITE
GILBERT JENKS & CO

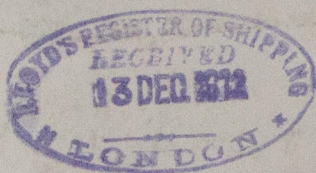


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Belfast
Howland & Wolff L^d
88.442

Mari Bailie
T.S.S. "ORCA"



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