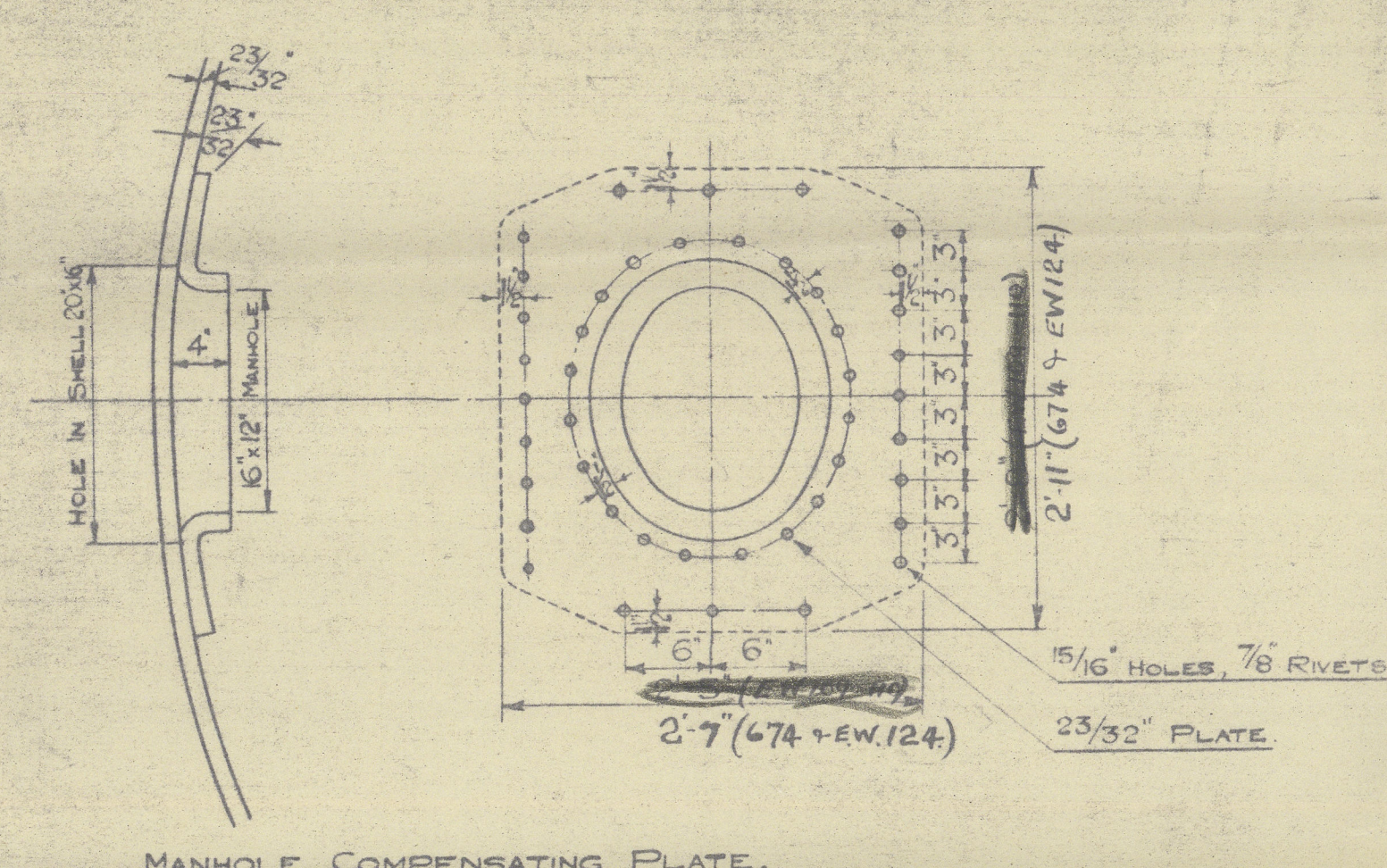
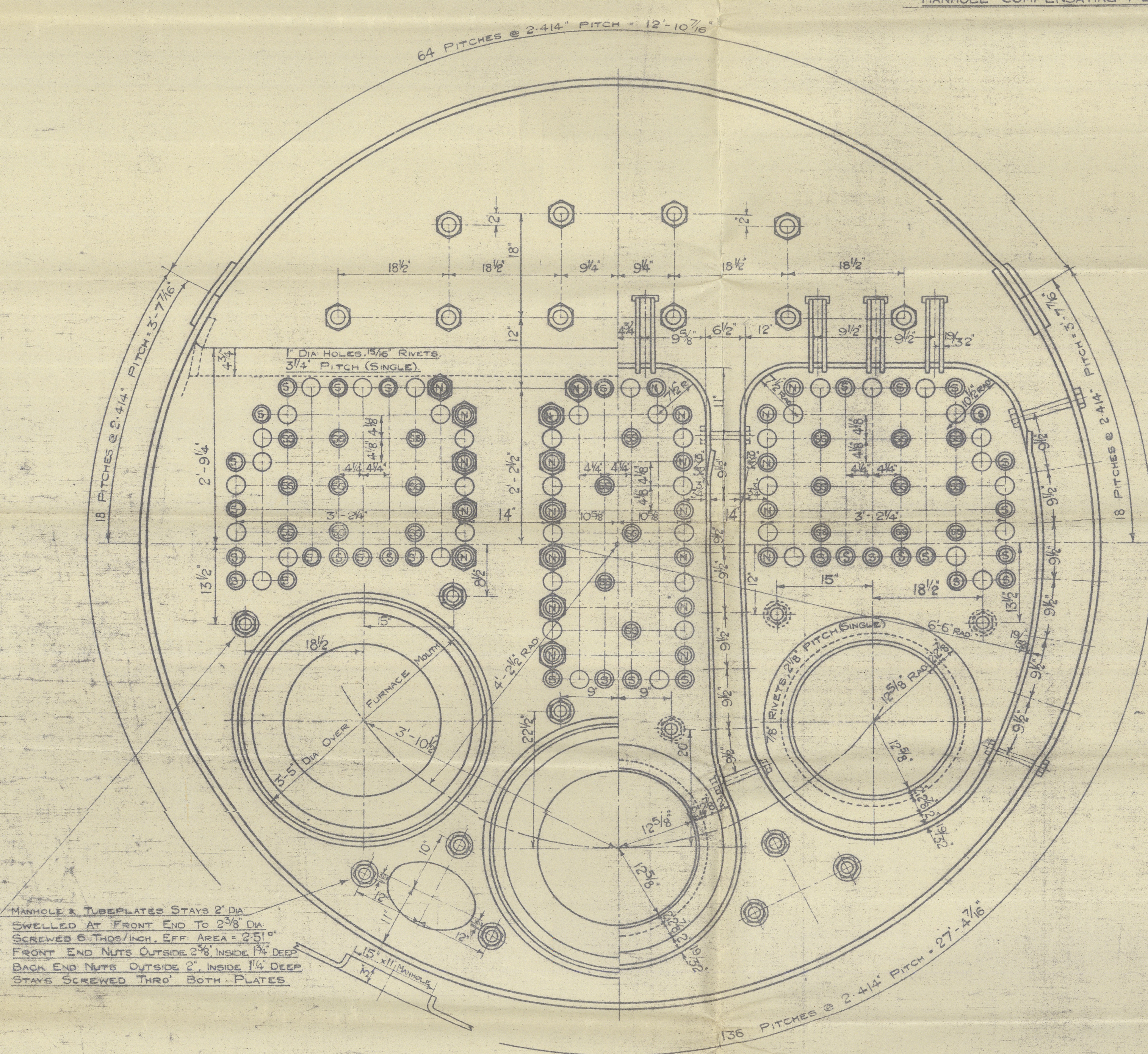


3 MAY 1939



MANHOLE COMPENSATING PLATE.



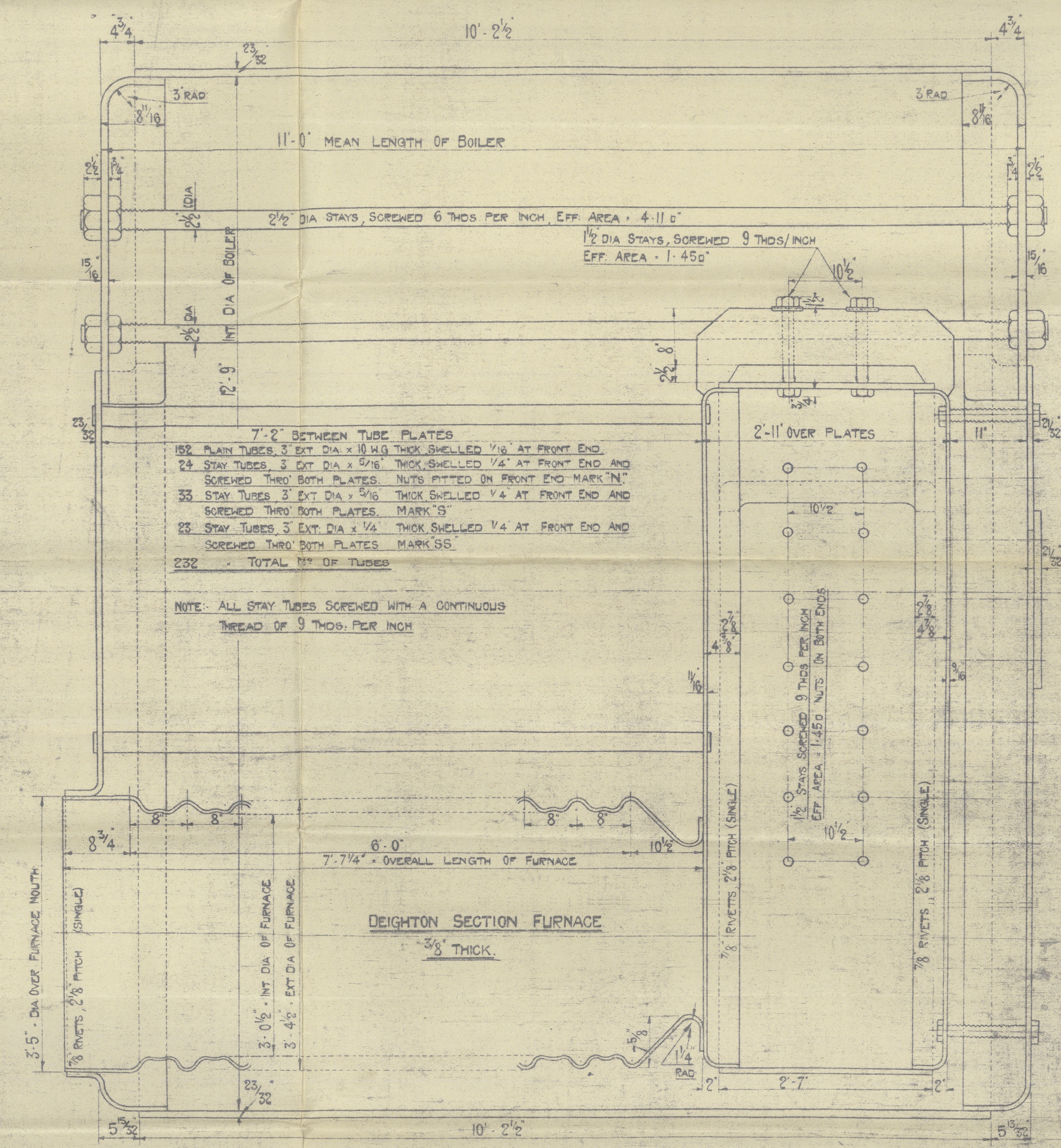
MANHOLE & TUBE PLATES STAYS 2" DIA SWELLED AT FRONT END TO 2 3/8 DIA SCREWED 6 THDS/INCH EFF AREA = 2.51" FRONT END NUTS OUTSIDE 2" INSIDE 1 1/2" DEEP BACK END NUTS OUTSIDE 2" INSIDE 1 1/2" DEEP STAYS SCREWED THRU BOTH PLATES

SURFACES.

	1 BOILER
HEATING SURFACE OF TUBES.	1365.5 Sq. Ft.
• • • FURNACES.	113.5 Sq. Ft.
• • • C.C. TOP & SIDES.	121.5 Sq. Ft.
• • • C.C. BACKS.	52.5 Sq. Ft.
• • • C.C. TUBE PLATES.	33.5 Sq. Ft.
TOTAL HEATING SURFACE.	1684.5 Sq. Ft.

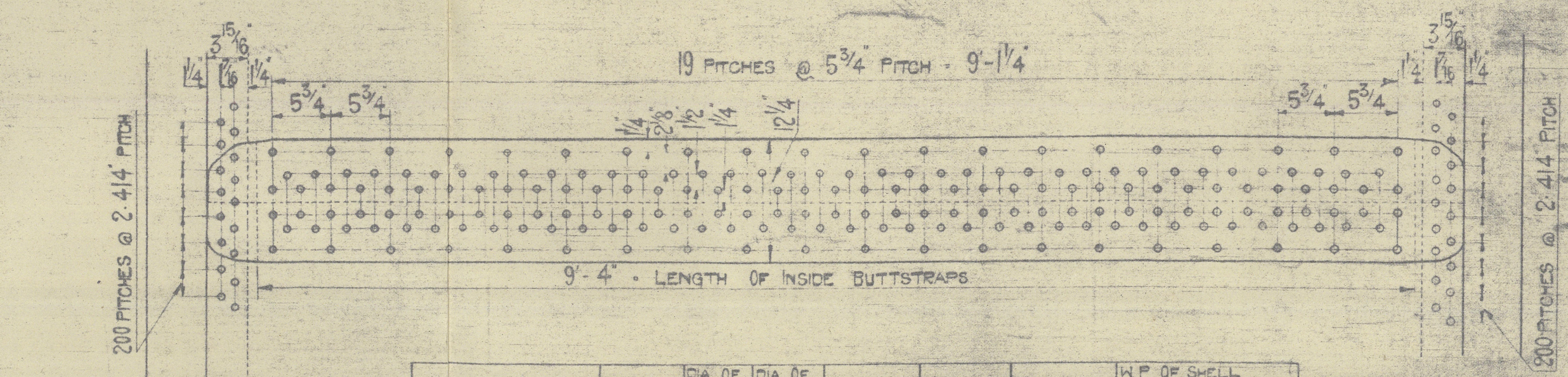
	TENSILE STRENGTH	MATERIAL
SHELL PLATES.	29-33 TONS/D	SIEMENS-MARTIN STEEL
BUTTSTRAPS.	29-33	
GIRDER PLATES.	28-32	
MANHOLE COMP. PLATE.	26-30	
ALL OTHER PLATES.	26-30	
FURNACES.	26-30	
LONGH STAY BARS.	26-30	
SCREWED STAY BARS.	26-30	
RIVET BARS.	26-30	

TUBES OF HOT ROLLED WELDLESS STEEL



7-2" BETWEEN TUBE PLATES
182 PLAIN TUBES, 3" EXT DIA x 10' 4" LONG SWELLED 1/4" AT FRONT END AND 24 STAY TUBES, 3" EXT DIA x 10' 4" LONG SWELLED 1/4" AT FRONT END AND SCREWED THRU BOTH PLATES. NUTS FITTED ON FRONT END MARK 'N'.
33 STAY TUBES, 3" EXT DIA x 10' 4" LONG SWELLED 1/4" AT FRONT END AND SCREWED THRU BOTH PLATES. MARK 'S'.
23 STAY TUBES, 3" EXT DIA x 10' 4" LONG SWELLED 1/4" AT FRONT END AND SCREWED THRU BOTH PLATES. MARK 'SS'.
232 TOTAL NO. OF TUBES

NOTE: ALL STAY TUBES SCREWED WITH A CONTINUOUS THREAD OF 9 THDS. PER INCH

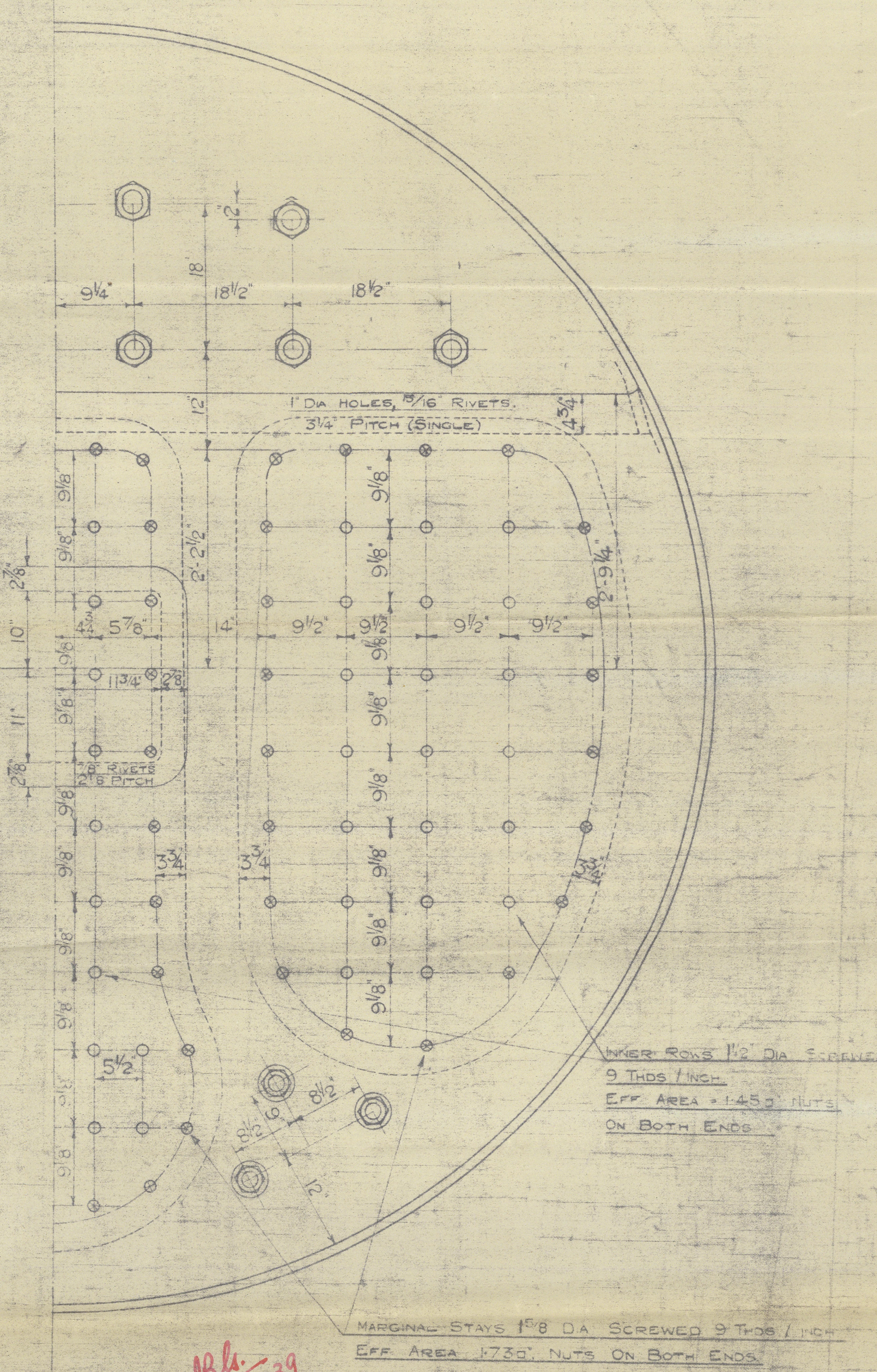


	PITCH	DA OF HOLES	DA OF RIVETS	PLATE %	RIVET %	COMBINED	W.P. OF SHELL BY RULES
LONGH SEAM	5-7 1/2	1 1/2	3/4	85-86	93-23	92-12	123 LBS/SQ IN
CIRC. SEAM	2-4 1/4	1 1/2	3/4	66-36	47-41	-	-

THICKNESS OF INSIDE BUTTSTRAP = 1/16"

THICKNESS OF OUTSIDE BUTTSTRAP = 9/16"

TEST PRESSURE = 230 LBS/SQ IN



WHERE ROWS 1/2 DIA SCREWED 9 THDS/INCH EFF AREA = 1.450" NUTS ON BOTH ENDS

MARGINAL STAYS 1 1/8 DIA SCREWED 9 THDS/INCH EFF AREA = 1.735" NUTS ON BOTH ENDS

84-1-5-39

ENGINE No 674. & EW. 124.

OIL FIRED BOILER

12'-9" INT DIA. x 11'-0" MEAN LENGTH, TO PASS LLOYD'S LATEST

TESTS & REQUIREMENTS FOR A WORKING PRESSURE OF 120 LBS/SQ IN

ONE OFF REQUIRED TO EACH NO. SCALE 1" = 1' 0"

DATE	DRAWN	TRACED	CHECKED	BY	ISSUE TO
5-12-35	LM	GC	GC	BS DB DE	

19 APR 1939

W1157-2118

Get Y W B o r d e d .

Barclay Curle 860 S. E. W. 124

Trevilly Gmk. 21036

GLASGOW REPORT No 62686

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