

BOILERS FOR STANDARD VESSELS

A & B TYPES.

THE NORTH EASTERN MARINE ENGINEERING CO LTD

TRACING NO 605. BOILER.

SCALE 1 INCH = 1 FOOT.

APPROVED BY LLOYDS 1:5:17.

BUREAU VERITAS 1:5:17.

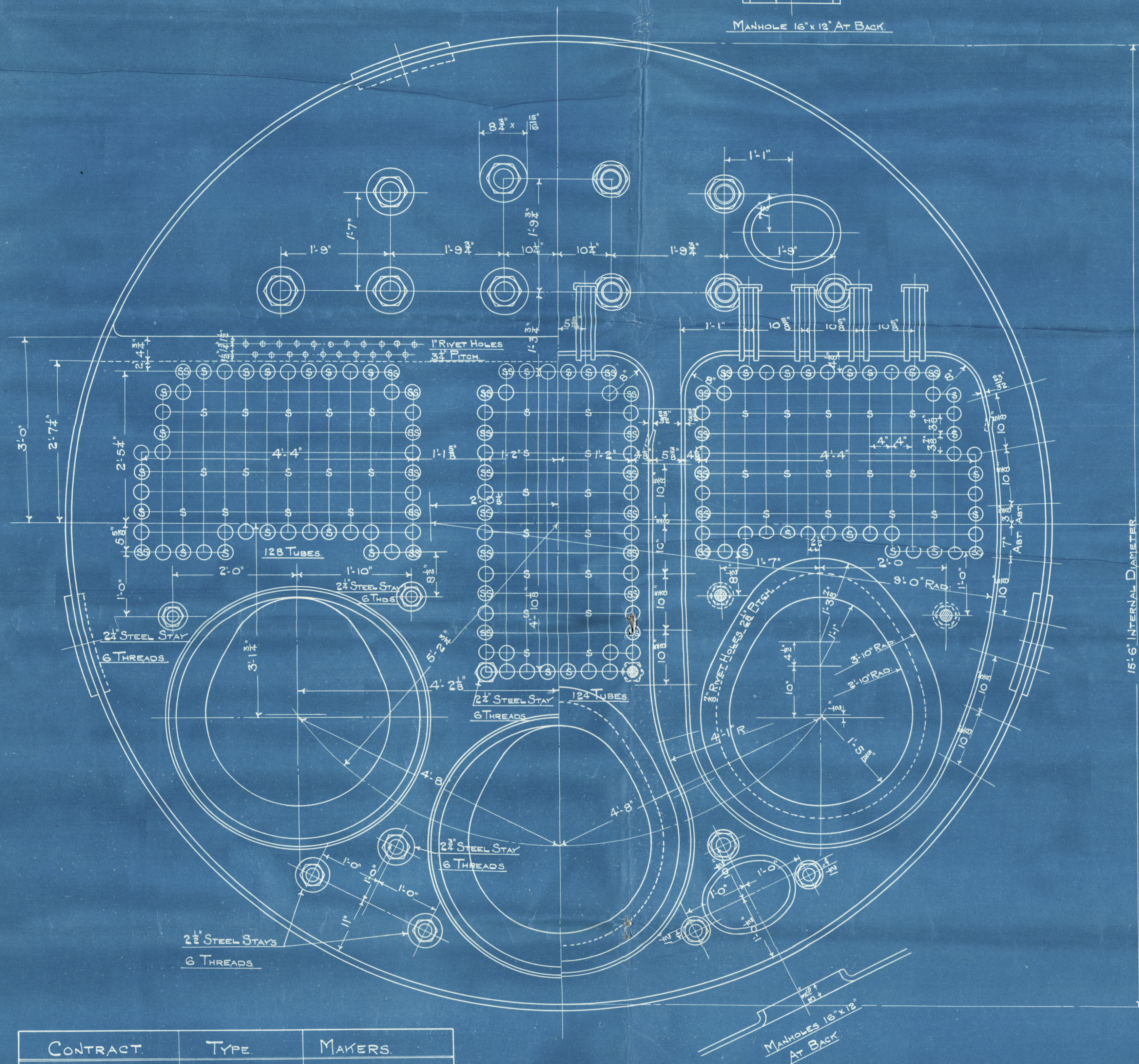
% STRENGTH OF PLATE = 85.6

" " " RIVETS = 88.2

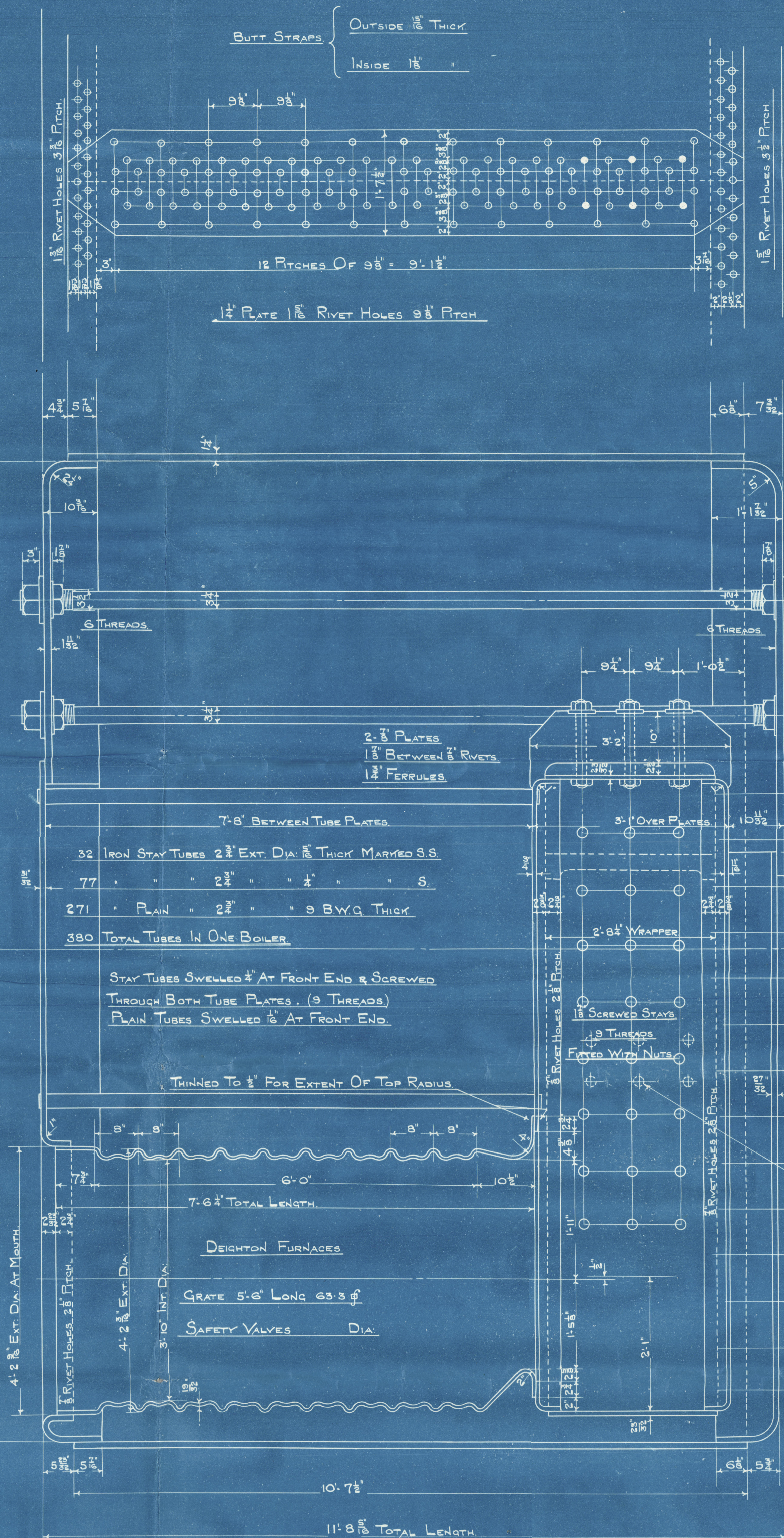
SHELL (LLOYDS) = $22 \times (20-2) \times 85.6 = 182.2 \text{ LBS.}$

MANHOLE 16" x 12" AT BACK

NO	DESCRIPTION	MINIMUM TENSILE STRENGTH	LETTER
3	SHELL PLATES	28 TONS	A, B, C
3	SHELL BUTT STRAPS (OUT)	28 " "	D
1	" " (INS)	28 " "	E
1	FRONT TOP	26 " "	F
1	BACK "	26 " "	G
1	" BOTTOM	26 " "	H
1	FRONT "	26 " "	J
1	BT PLATE CENTRE	26 " "	K
1	CC BACK "	26 " "	L
2	BT PLATE WINGS	26 " "	M
2	CC BACK "	26 " "	N
1	CC SIDE CENTRE	26 " "	O
2	" " WINGS	26 " "	P
20	GIRDER PLATES	28 " "	R
3	MANHOLE COVERS	26 " "	S
1	STEAM SPACE WASHERS	26 " "	T
	STEAM SPACE STAYS	28 " "	
	SCREWED STAYS	26 " "	
	RIVETS	27 " "	



CONTRACT	TYPE	MAKERS
2317	A	NEW
2318	A	NEW



HEATING SURFACE ON TUBES BETWEEN TUBE PLATES = 2100 sq

ELSEWHERE EXCLUDING F.TUBE PLATE = 456 sq

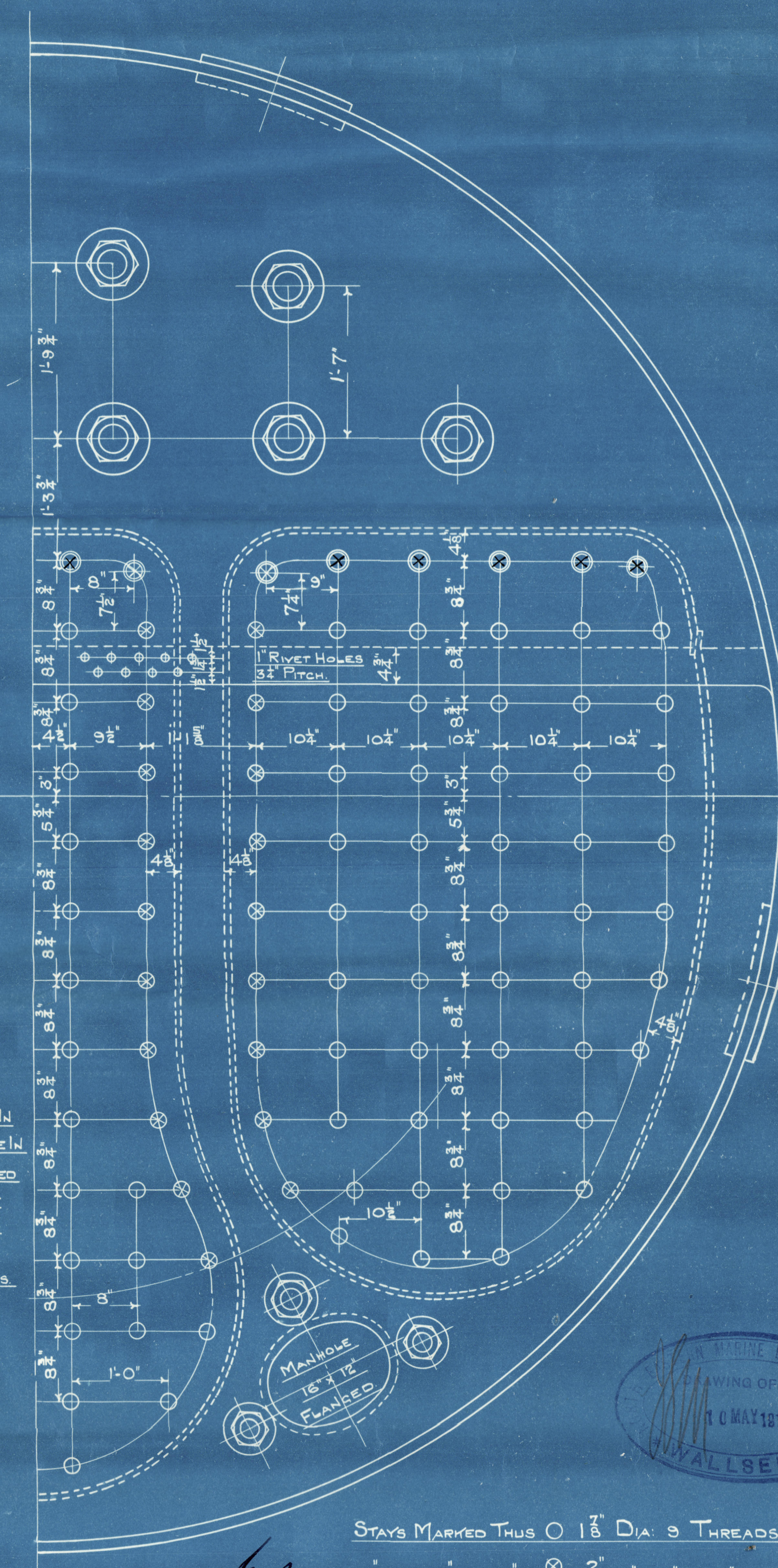
TOTAL = 2556 sq PER BOILER

STEAM SPACE 514 CUB. FEET

WORKING PRESSURE 180 LBS. Q

TEST PRESSURE 360 LBS. Q

NOTE: ALL PLATES, STAYS ETC. TO BE OF STEEL. SMOKE TUBES OF IRON.
TENSILE STRENGTH OF SHELL PLATING TO BE FROM 28 TO 32 TONS Q.
ALL HOLES DRILLED IN PLATE AFTER PLATES ARE BENT.



NOTE: STAYS NEXT TO SHELL IN WING COME CHRS TO BE IN POSITION SHOWN DOTTED TO FACILITATE FITTING OF STAYS THRO HOLES IN BUTT STRAPS STAYS 1 1/2 DIA 9 THREADS.

STAYS MARKED THUS O 1 1/2 DIA 9 THREADS

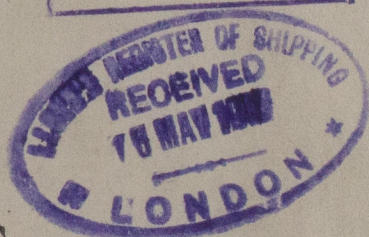
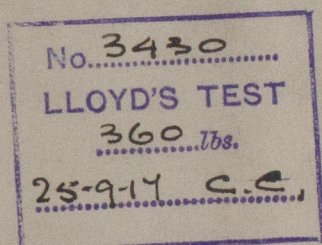
2 THUS (STAR & CR)
1 TO OPP. HAND (PORT)

FOR EACH CONTRACT. ALL SCREWED STAYS SCREWED INTO PLATE & FITTED WITH NUTS.

DRAWING NO 5920.

CONTRACT 2320. LLOYDS SURVEY. 10 MAY 1917.

N.E. Marine
Boilers No 2320
for
J. L. Thompsons 530
Standard A
pressure 180 lbs
Sunderland 15/5/17



"Hikaliops"
War Wager

SUNDERLAND RPT. No. 27235



Lloyd's Register
Foundation