

BOILERS FOR STANDARD VESSELS

F & FI TYPES

THE NORTH EASTERN MARINE ENGINEERING CO. LTD

WALLSEND-ON-TYNE

TRACING NO 610

SCALE 1 INCH = 1 FOOT

BOILER

BUTT STRIPS

OUTSIDE 1" THICK
INSIDE 1 1/2" THICK

LLOYD'S SURVEY.

NO	DESCRIPTION	MANUFACTURE	LETTER
1	SHELL PLATES	28 TONS	A B C
2	FRONT TOP	20	
3	BOTTOM	"	
4	BACK TOP	"	
5	BOTTOM	"	
6	T.P. CENTER	"	
7	" " WINGS	"	
8	G.G. WIPPER CENTER	"	
9	" " WINGS	"	
10	BACK CENTER	"	
11	" " WINGS	"	
12	GIRDERS	28	
13	SHELL BUTT STRIPS (INS.)	28 1/2	
14	" " (INS.)	"	
15	MANHOLE COVERS	20	
16	STEAM SPIKE WIPERS	"	
17	FURNACES	"	
18	STEAM SPIKE STAYS	28	
19	SERWED	20	
20	RIVETS	27	

% STRENGTH OF PLATE = 85.5

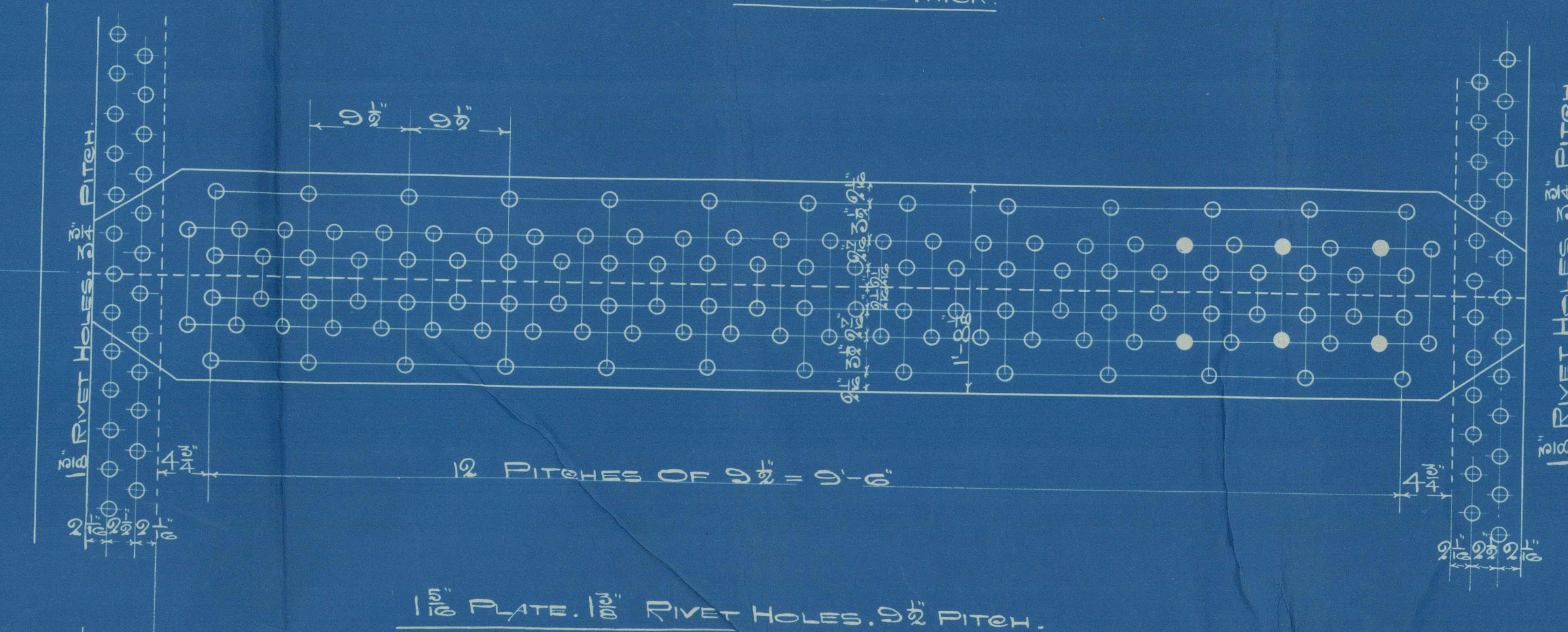
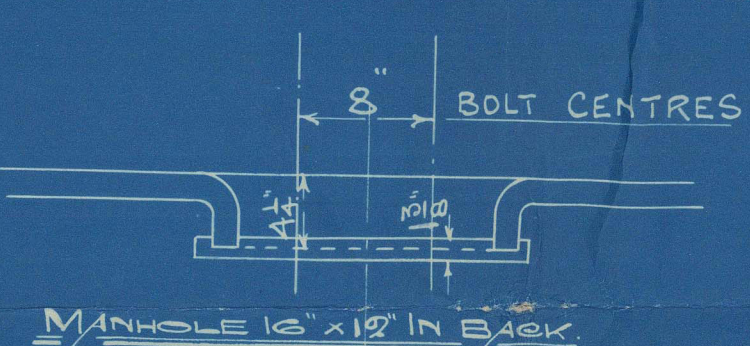
% " " RIVETS = 88.0

LLOYD'S = 22.58 (21.2) 85.5 = 131 LBS.

% STRENGTH OF PLATE = 85.5

% " " RIVETS = 89.2

BRITISH CORP. = 20.4 (21.1) 85.5 x 28.75 = 126 LBS.



HEATING SURFACE ON TUBES BETWEEN TUBE PLATES = 9634

" ELSEWHERE EXCLUDING F.T. PLATE = 541

TOTAL = 10175

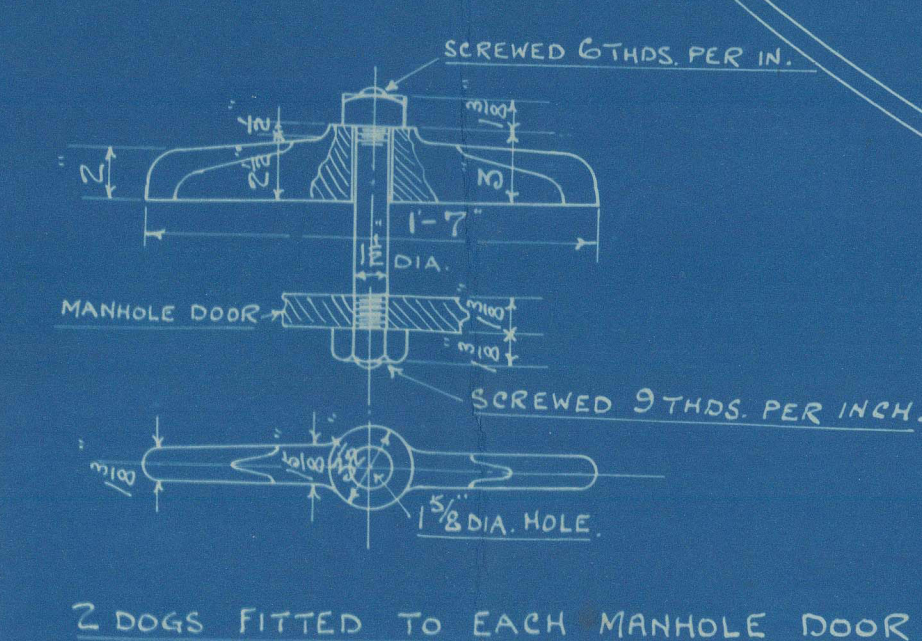
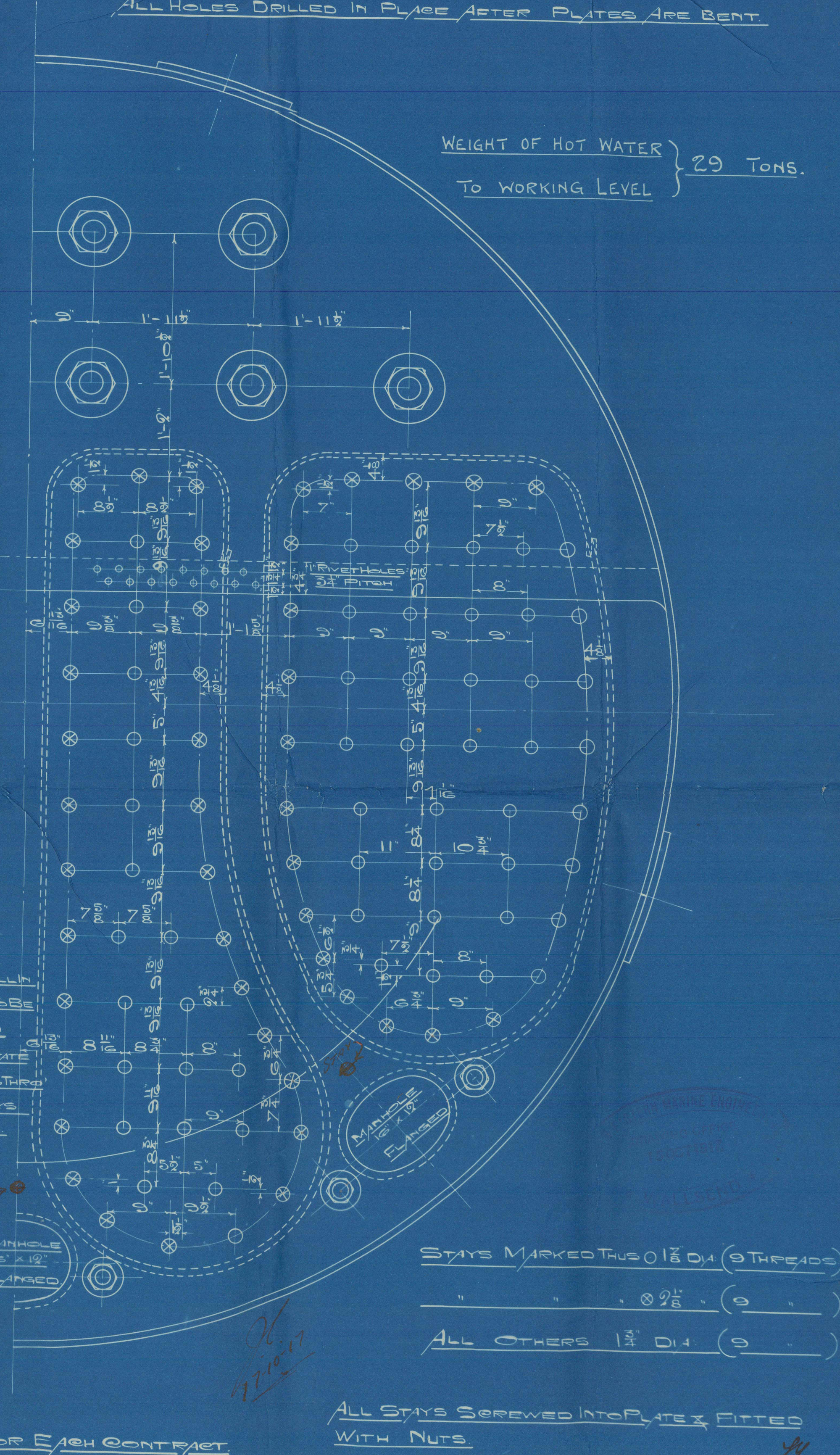
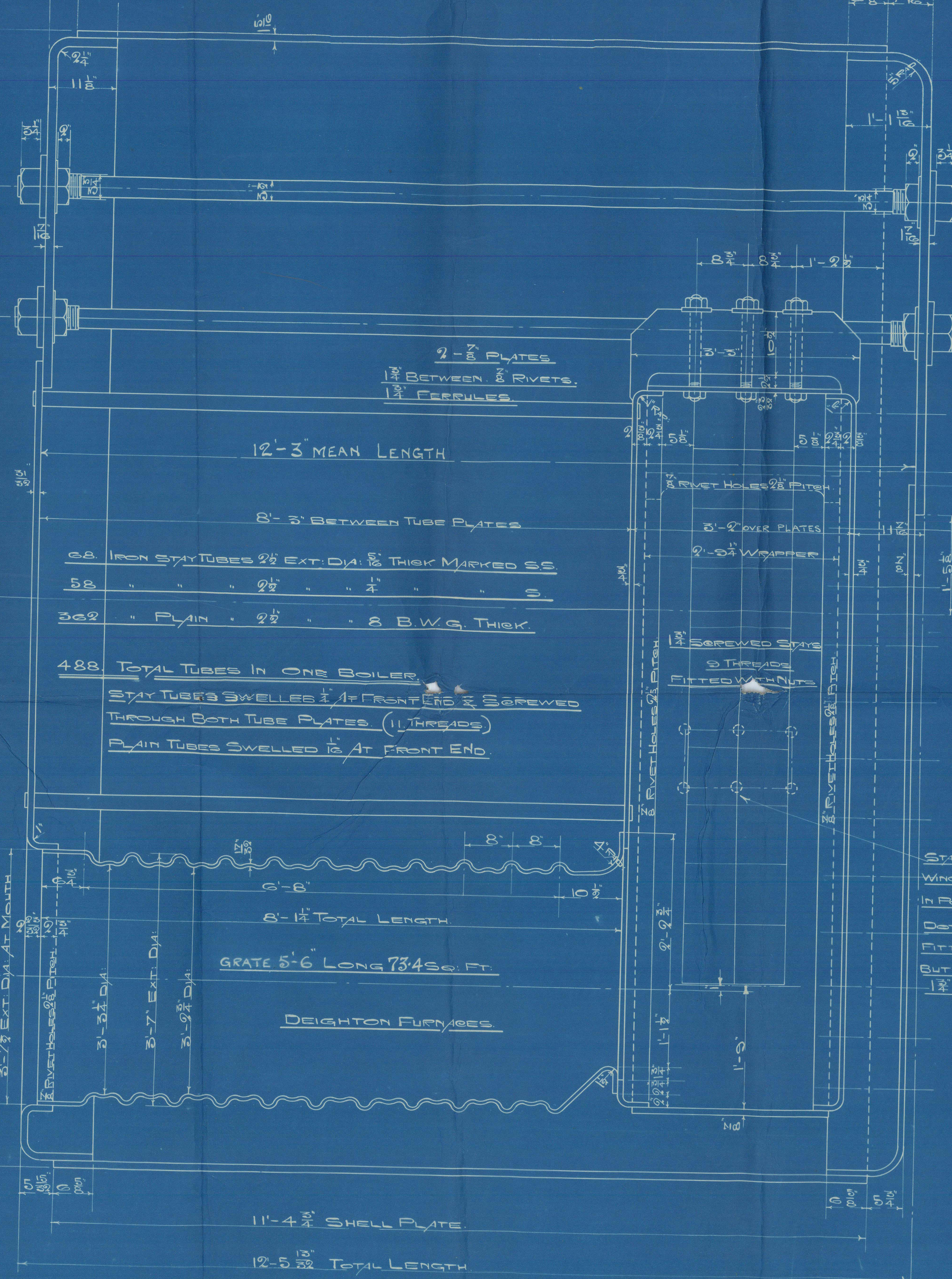
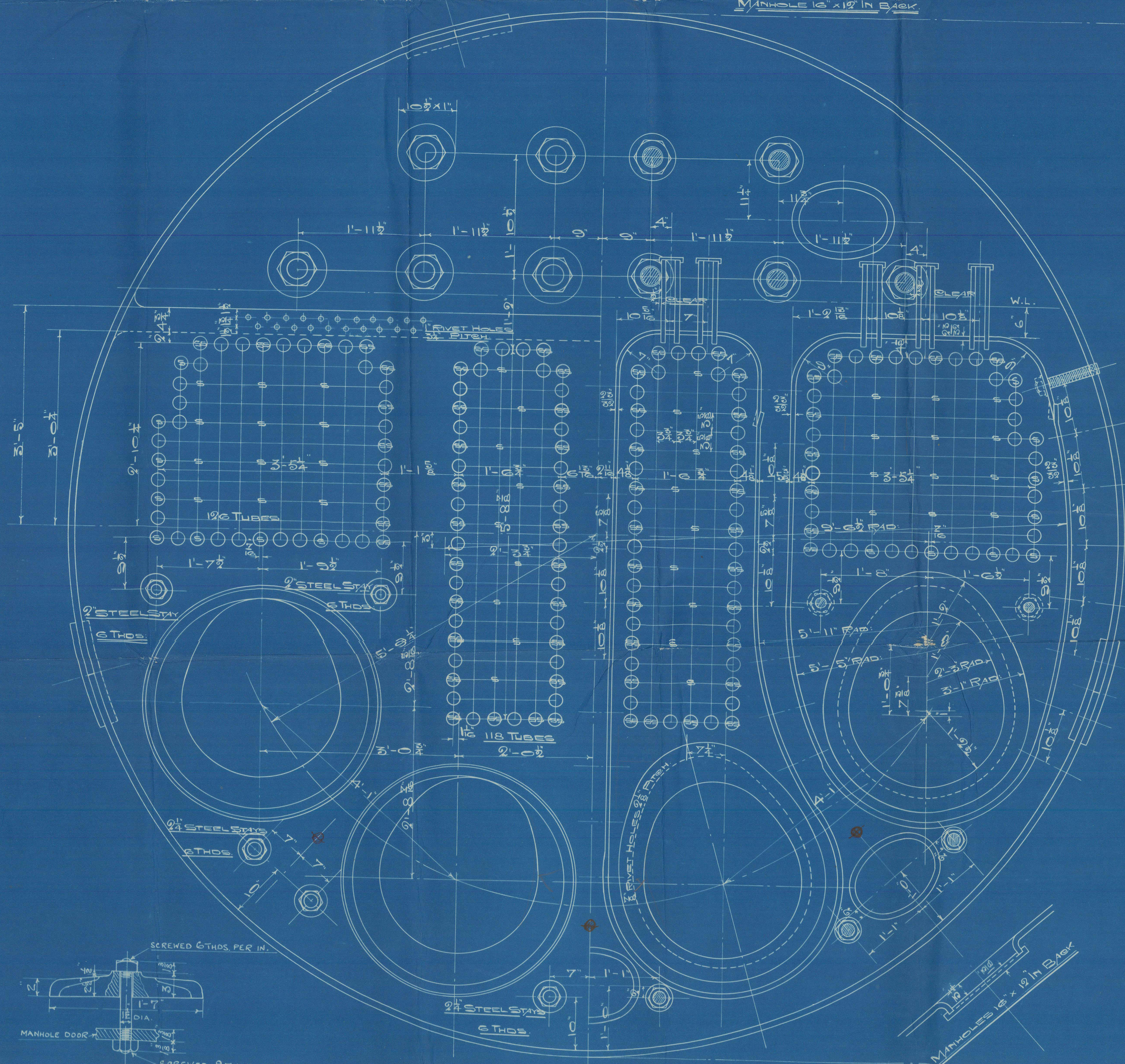
STEAM SPIKE = 519 GUS. FT.

WORKING PRESSURE 180 LBS. D.

TEST 360

NOTE: ALL PLATES SHYD XS. TO BE OF STEEL, SMOKY TUBES OF IRON.
TENSILE STRENGTH OF SHELL PLATES TO BE FROM 28 1/2 TO 33 TONS.
ALL HOLES DRILLED IN PLATE AFTER PLATES ARE BENT.

WEIGHT OF HOT WATER
TO WORKING LEVEL 29 TONS.



STAYS NEXT TO SHELL
WING COMB CHRS. TUBE
IN POSITION SHOWN
DETTO TO FACILITATE
FITTING OF STAYS
BUTT STRIPS, STAYS
1 1/2 DIA. 5 THRS.

STAYS MARKED TUB 0 1/2 DIA. (9 THRS)

ALL OTHERS 1 1/2 DIA. (9)

ALL STAYS SERWED INTO PLATE & FITTED
WITH NUTS.

3 THUS FOR EACH CONTACT

N. E. &
2350-1-2

N. E. Maine by Co 2350-1-2
Northumberland S. B. Co 250-1-2
Standard vessels ~~the~~ F1 types
180 lbs.

2350 S/S "War Castle"
2351 S/S "War Citadel"



Boiler plan

S. S. "WAR CASTLE"
NEWCASTLE ON TYNE
Report No. 71850

S. S. "WAR CITADEL"
NEWCASTLE ON TYNE.
Report No. 71479

Lloyd's Register
Foundation

W1624-0157

MANHOLE DOOR



N. E. M. E. CO., LIMITED, WALLSEND.

ENCLOSURE

FOR

Messrs.

Lloyds

W1624-0157 1/2