

STEEL PLATES.

STEEL RIVETS

HEATING SURFACE.

CONDITIONS OF CONSTRUCTION.

MARK	N°	LENGTH	BREADTH	THICK	POSITION
A	8	23'-1"	65 1/2"	1/4"	Shell Outer Ring
B	8	22'-9"	65 1/2"	1/4"	" Inner "
C	8	1'-7 1/4"	65 1/2"	1 1/8"	Butt Straps
D	8	1'-7 1/4"	62	1 1/8"	" "
E	8	1'-7 1/4"	60	1 1/8"	" "
F	8	1'-7 1/4"	57	1 1/8"	" "
G	4				Front at top
H	4				Furnace Grate
I	4				Back at top
J	4				Back at bottom
K	4	15'-1 1/4"	66 1/2"	1/4"	Front tube plate
L	4	15'-1 1/4"	66 1/2"	1/4"	Back at middle
M	4	7'-9"	8"	1/8"	Back T.P. Centre
N	8	4'-1 1/2"	65 1/2"	1/8"	" " " Wings
O	4	8'-0"	113 1/2"	1/8"	C.C. Bottom Centre
P	8	5'-3"	113 1/2"	1/8"	" " " Wings
Q	4	11'-7"	113 1/2"	1/8"	" " Back Centre

MARK	N°	LENGTH	BREADTH	THICK	POSITION
R	8	9'-9"	65 1/2"	1/8"	C.C. Back Wings
S	8	7'-0"	35 1/2"	1/8"	" " " Centre
T	8	6'-7"	35 1/2"	1/8"	" " " Wings
U	8	6'-1 1/2"	35 1/2"	1/8"	" " " "
V	8	7'-0"	52 1/2"	1/8"	" " " Fusels
W	2	7'-0"	30	1/8"	Manhole at top
X	4	7'-9"	27 1/2"	1/8"	Washers

POSITION	DIAMETER	NO. CUTS
Circumferential Seams Ends	1 1/2"	1725 30-8
" " Middle	1 1/2"	1320 25-25
Ends of Butt Straps	1 1/2"	300 6-13
Longitudinal Seams	1 1/2"	900 19-6
Bottom Ends Front Back	1 1/2"	
" " " "	1 1/2"	
Furnace Ends	1 1/2"	
Com Chambers	1 1/2"	
Washers	1 1/2"	

TUBES.	5984
FURNACES.	502
COM CHAMBERS.	780
BACK TUBE PLATES.	151.5
FRONT " "	107.5
TOTAL (ALL BOILERS)	7555
TUBE SECTION	49.16
FUNNEL " "	56.7
WORKING PRESSURE	160 LBS
TEST " "	320

Longitudinal seams double butt strap joints, holes drilled in place after bending, the plates then taken apart the burr taken off and the holes slightly countersunk from the inside.
Circumferential seams double and ribbed riveted lap joints holes drilled in place after bending, the plates then taken apart the burr taken off and the holes slightly countersunk from the inside.

BOARD OF TRADE.

TENSILE STRENGTH OF SHELL (STEEL)	39 TONS
FACTOR OF SAFETY	5
CONSTANT USED FOR LONG STAYS	187.5
" " " SHORT "	100
" " " STAY TUBES "	100
% OF STRENGTH OF PLATE AT JOINT	84.5
" " " RIVETS " "	87

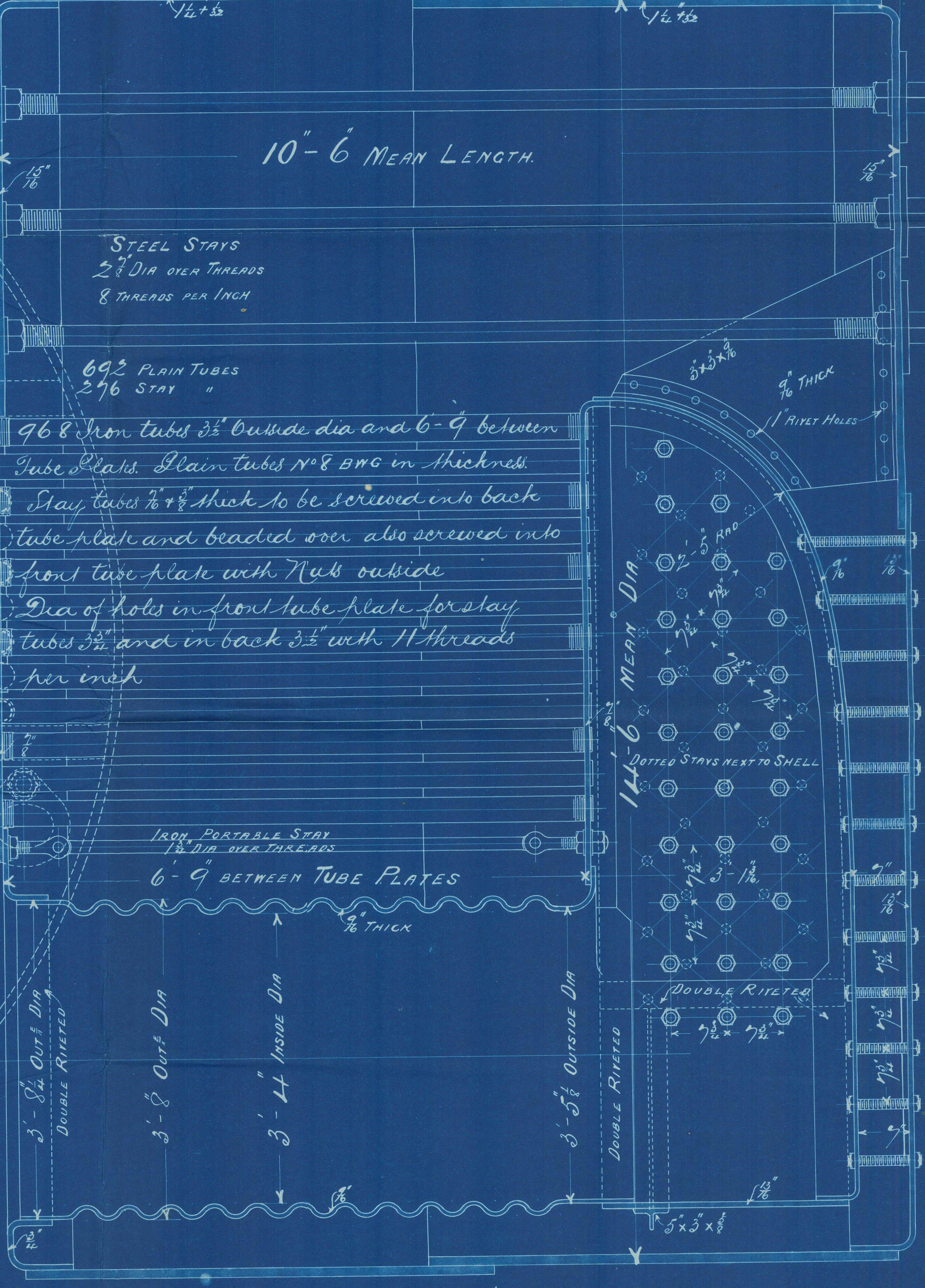
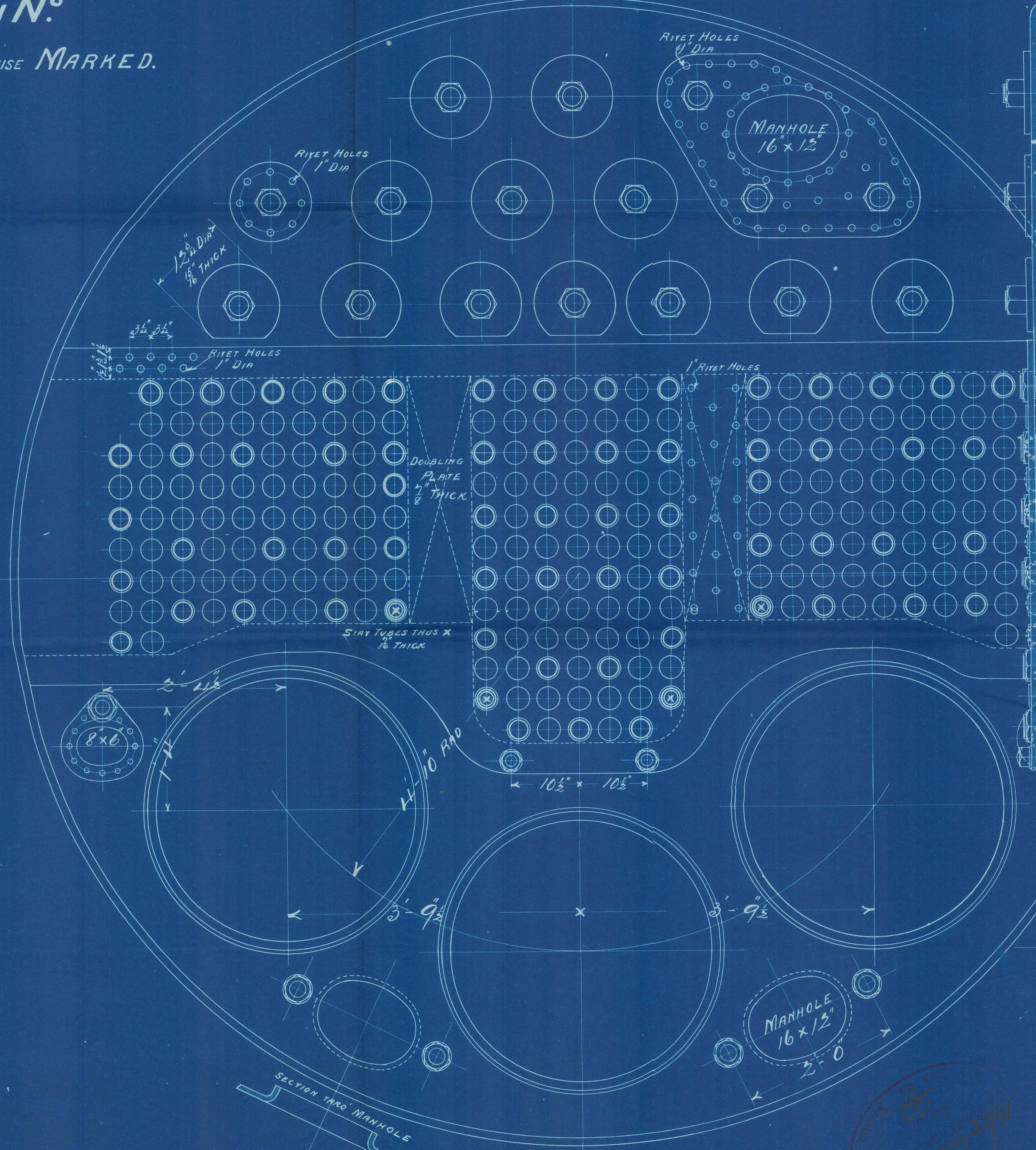
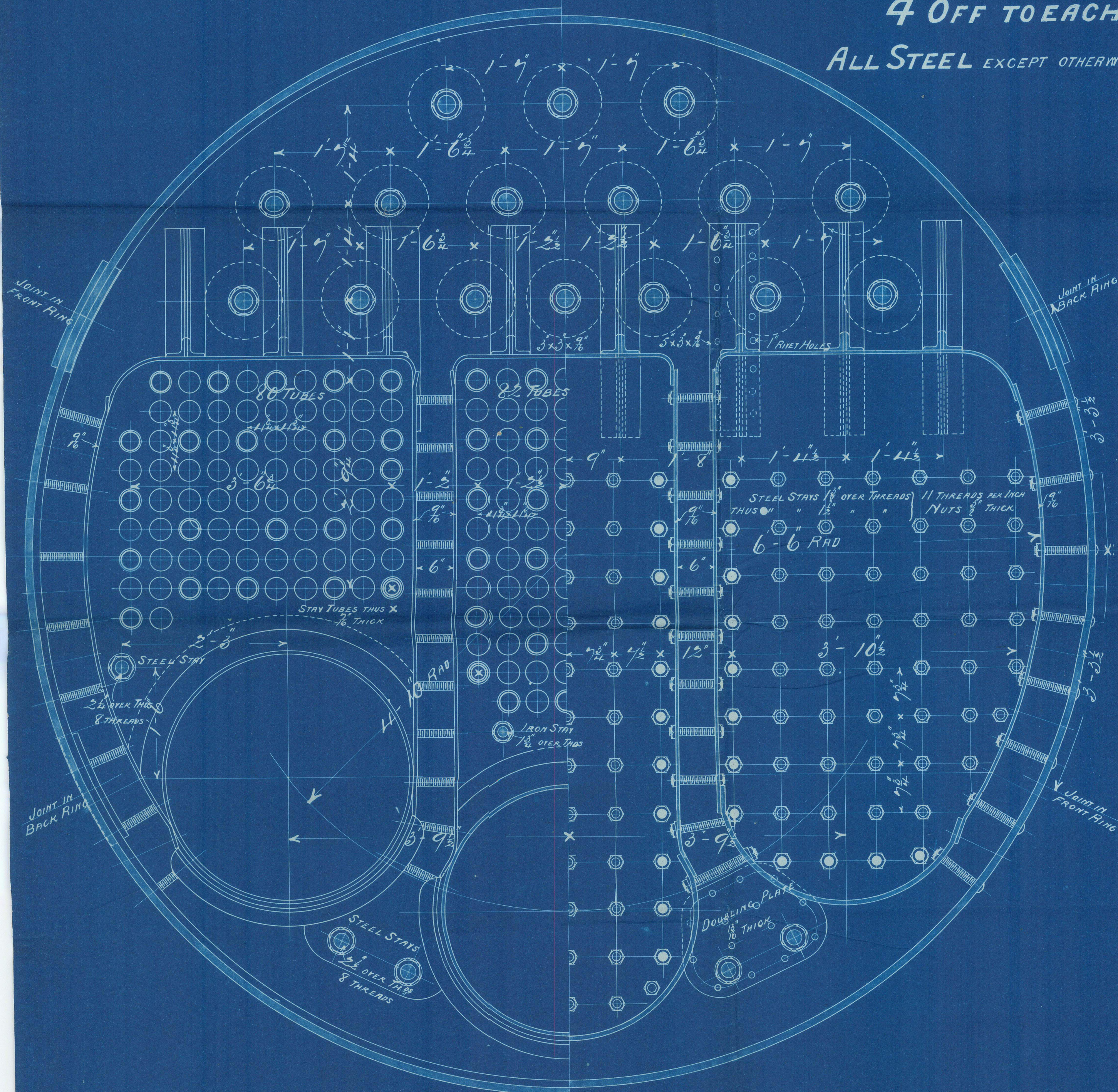
LLOYDS.

CONSTANT USED FOR SHELL.	260
" " " LONG STAYS "	220
" " " SHORT "	120
" " " STAY TUBES "	120
% OF STRENGTH OF PLATE AT JOINT	84.5
" " " RIVETS " "	91.7

BOILERS.

4 OFF TO EACH N°

ALL STEEL EXCEPT OTHERWISE MARKED.



ENGINES N° 563

N° 9952.

PALMERS 657
563

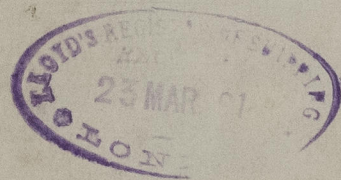
only

No 3593
Hoy & Dick
3208
JFW
27-5-91

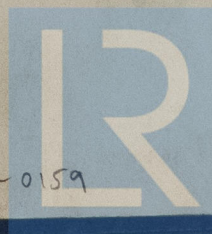
Francisco Crispi

W/stand in London
21/11/90
S. Francisco Crispi
NWC Report No 26204

Amended tracing
John W



NWC821-0159



© 2021

Lloyd's Register
Foundation