

SHELL MANHOLE FLANGED COMP^N RING
& EMBOSSED DOOR
SCALE: 1/2" = ONE FOOT

SIZE OF SAFETY VALVES, COCKBURN'S IMPROVED HIGH LIFT. 2 @ 2 1/4" DIA.
DIA OF WASTE STEAM PIPE FROM ONE BOILER = 3 1/4" BORE.
TWO = 4 1/2"
THREE = 5 1/2"
FOUR = 6 1/2"

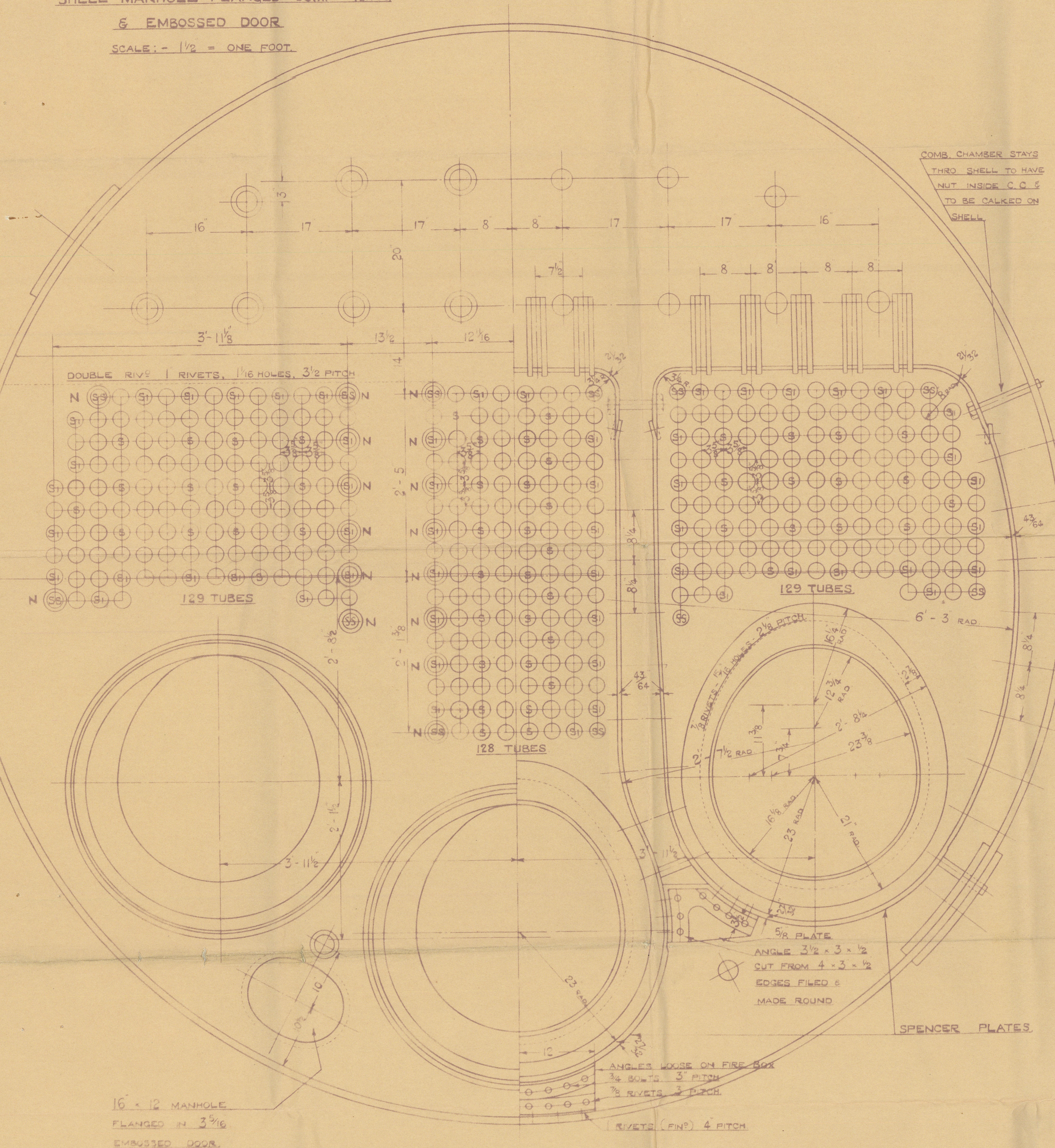
COMBUSTION CHAMBER STAYS
THRO' BUTTSTRAPS MARKED THUS ⊗

SHELL 1 3/8" THICK, RIVETS 1 1/8" DIA, HOLES 1 1/2" DIA
INSIDE BUTTSTRAPS 1/4" THICK
OUTSIDE 1/8"
PLATE SECTION = 85.54 %
RIVET = 86.2 %
SCALE: 1/2" = 1 FOOT

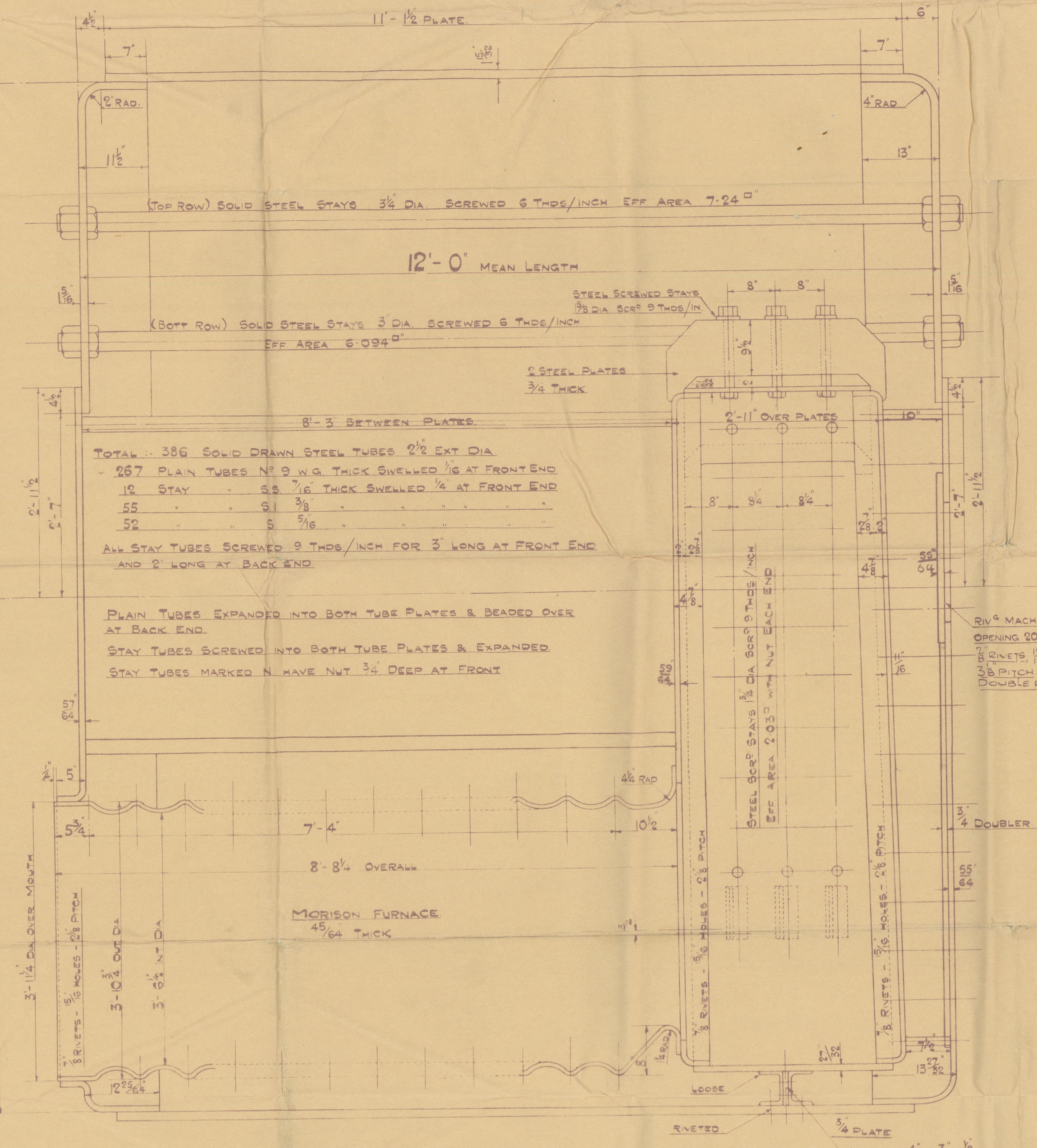
CIRCUM BEAMS 1 1/8" DIA RIVETS 1 1/8" DIA HOLES 1 1/2" DIA
PLATE SECTION = 86.7% RIVET SECTION = 42.5%

HEATING SURFACE	SQ FT
TUBES	2083
FURNACE	166
COMBUSTION CHAMBERS	282
TOTAL IN ONE BOILER	2511
" " 4 BOILERS	10044
GRATE AREA WITH 5" x 6" BAR - ONE BOILER	58.5
" " " " " " " " 4 BOILERS	234.0
RATIO OF GRATE AREA TO HEATING SURFACE	1:42.9

TENSILE STRENGTH OF MATERIALS	TONS/SQ"
PART	
SHELL & BUTTSTRAPS	29 TO 33
PLATES FOR FLANGING	26 TO 30
FURNACES	26 TO 30
GIRDERS	28 TO 32
LONGITUDINAL STAYS	28 TO 32
SCREWED STAYS	26 TO 30



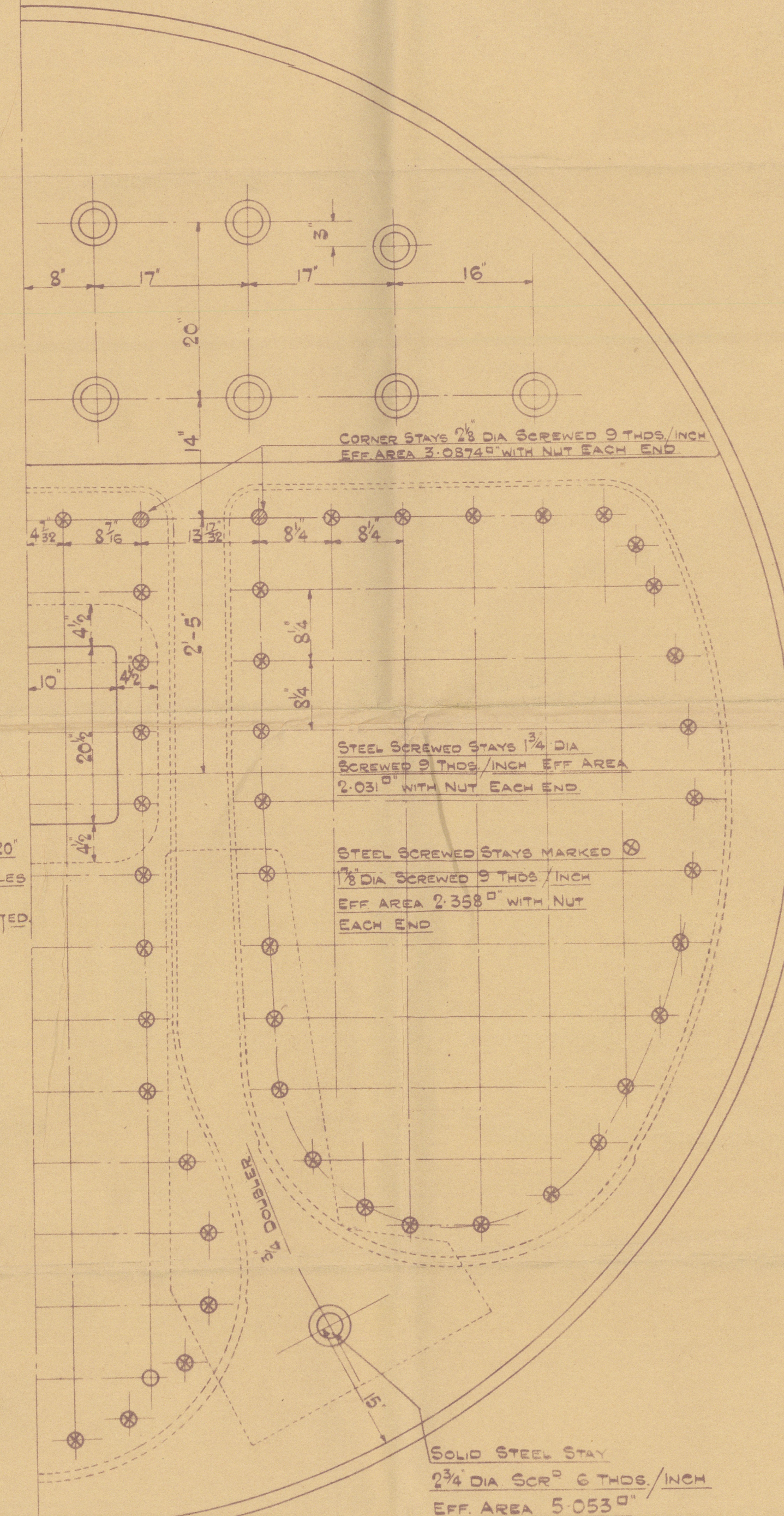
WORKING PRESSURE 230 LBS/SQ IN
TEST PRESSURE 395 LBS/SQ IN
TO PASS BOARD OF TRADE & LLOYDS SURVEYS.



FOUR OFF
TWO OFF AS DRAWN FOR STAY^S FOR^S BLR & PORT AFT BUR
" " TO OPPOSITE HAND FOR STAY^S AFT BLR & PORT FOR^S BLR



N^o 525
MAIN BOILERS.
SCALE: 1/2" = 1 FOOT



SENT TO	DATE	REG ^N

DRAWN BY	WAI.
CHECKED BY	67

DRG^N
COSTS
WORKING T.37 SPARE T.34

Plan of Books Showing
Amendment

The plain Tubes

Alex Stephens 525

St Patrick

GLASGOW REPORT No. 50280

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