

BOILER'S N° 78213

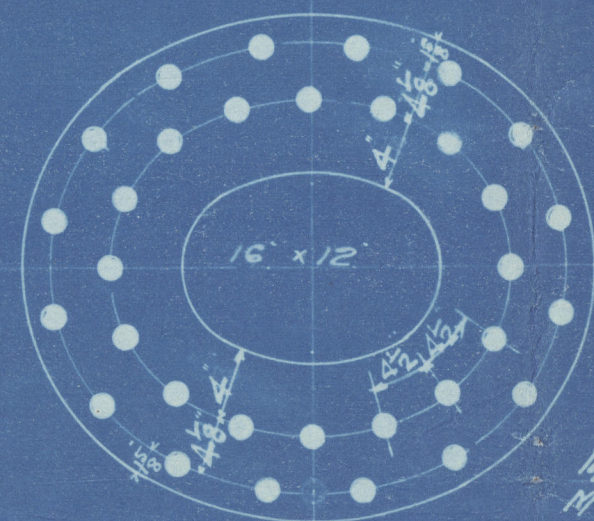
SHIELDS ENG: & DD C²³ N° 280

WORKING PRESSURE 170 LBS PER SQ INCH
TESTED TO 340 BY HYDRAULIC PRESSURE
TO LLOYD'S & BOARD OF TRADE SURVEYS

SCALE 1" = ONE FOOT

HEATING SURFACE

1 USES	2548
FURNACES	120
TUBE PLATES	60
COM. CHAMBERS	354
TOTAL	3082 Sq Ft IN TWO BOILERS
TOTAL GRATE AREA	89



1 1/2" HOLES 1 1/2" RIVETS
3/4" x 1 1/2" DOUBLING PLATE
MANHOLE DOUBLING THUS
MANHOLE RECESSED DOOR
16' x 12' MANHOLE IN SHELL
3/4" x 1 1/2" DOUBLING PLATE

24 ZINC PLATE STUDS TO BE
FITTED IN EACH BOILER

OUTSIDE WASHERS 9" x 3/4"

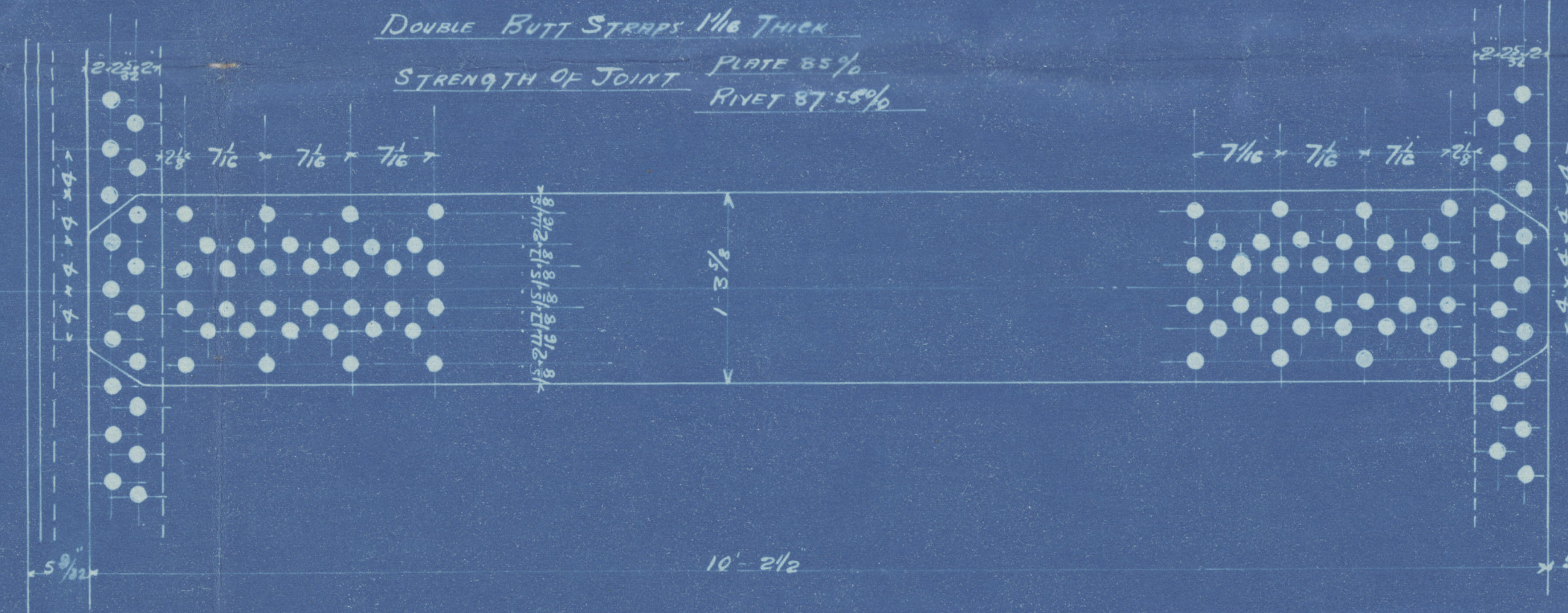
DOUBLE RIVETED 1 1/2" HOLES
3/4" PITCH 5 LAP

2 1/2" STEEL STAYS 6 THD
SCREWED THRU BOTH TUBE PLATES

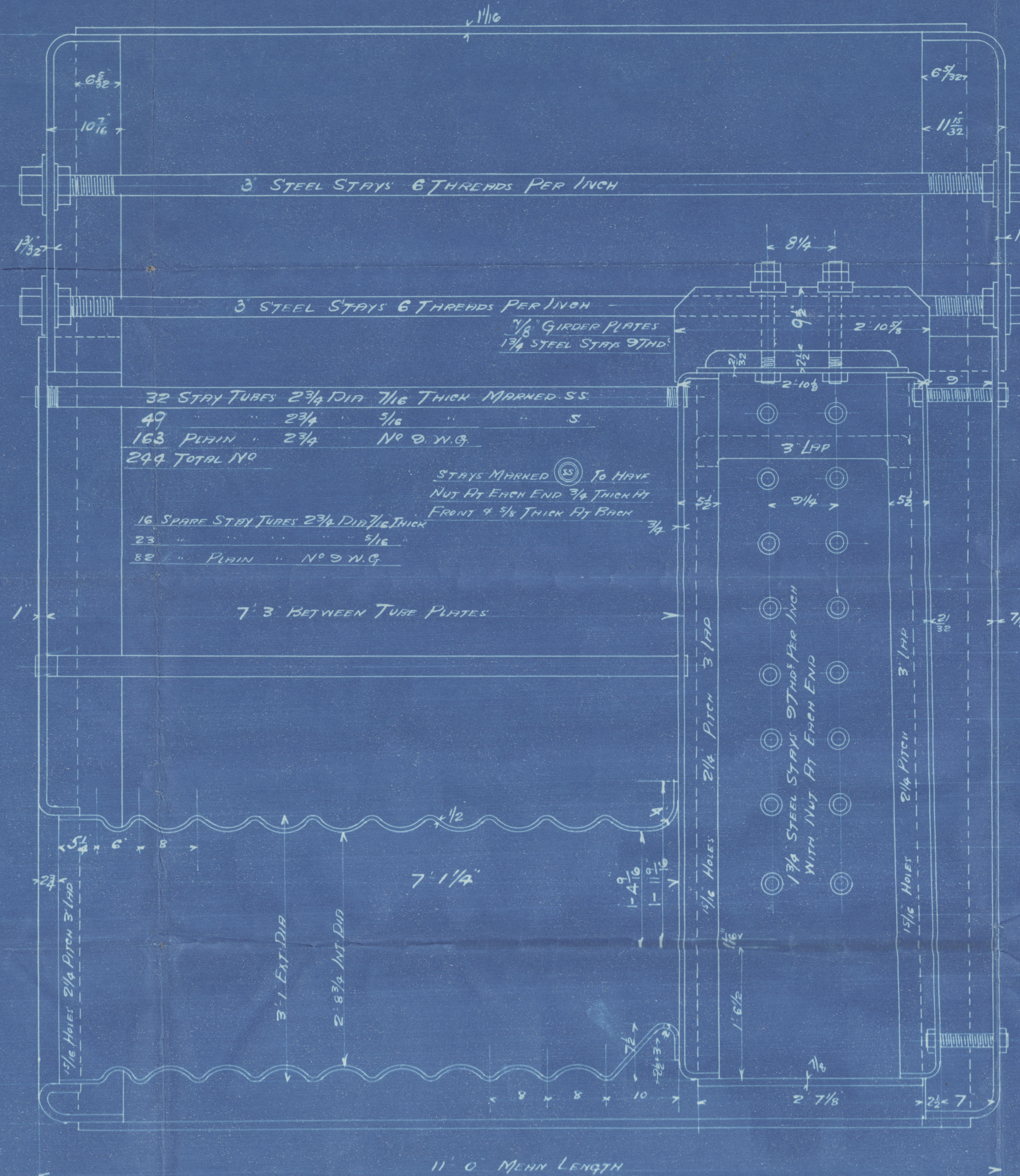
MANHOLE OPENING THUS
MANHOLE RECESSED DOOR

LONGITUDINAL SEAMS 1 1/2" HOLES 1" RIVETS 7 1/2" PITCH
CIRCUMFERENTIAL 1 1/2" HOLES 1" RIVETS 4" PITCH

DOUBLE BUTT STAYS 1 1/2" THICK
STRENGTH OF JOINT PLATE 85%
RIVET 87.5%



SHELL BUTT STAYS & GIRDER PLATES 28 1/2 TO 32 TONS T.S.
FURNACES 26 TO 27
COM. CHAMBER PLATES 27 TO 28
ALL OTHER PLATES 26 TO 30
MAIN STAY BARS 28 TO 32
SCREWED STAYS 26 TO 30
PLATES STAYS & RIVETS OF STEEL
TUBES OF IRON, LAPWELDED



17 1/2" LONGITUDINAL STAYS 9 THD PER INCH
WITH NUT AT EACH END

2 1/2" STEEL STAYS 6 THD PER INCH
SCREWED THRU BOTH PLATES

Palmer Co 782/3
2 Main Boilers 170 lbs



S.S. "MATA HARI"

NEWCASTLE-ON-TYNE

Repa No 67646

RETAIN



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Foundation

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