

5 AUG 1948

LLOYDS NUMERALS

$$L \times D = 440 \times 31.64 = 13922$$

$$L \times (B+D) = 440 \times (58.75 + 31.64) = 29772$$

$$L/D = 440/33 = 13.33$$

DEPTH FOR SCANTLINGS 31.64

OIL TANK STEAMER No. 507

DIMENSIONS: 440'-0" L.B.P. x 58'-9" BRD MLD. x 33'-0" DEPTH MLD.

MIDSHIP SECTION & O.T. TRANSVERSE BULKHEAD.

SCALE: 1/2" = 1 FOOT.

TO CLASS LLOYDS 100 A.I. "CARRYING PETROLEUM IN BULK."

DESIGNED MOULDED DRAUGHT 25'-11" TOP OF KEEL.

EQUIPMENT TO RULE. NUMERICAL 4142497 letter b7.

.17 = 3.5

BULB ANGLES & CHANNELS ARE 1924 BRITISH STANDARD SECTIONS.

BUTTS OF DECK PLATING FOR 1/2" L. TREBLE RIVETED OVERLAPS.

BUTTS OF DECK PLATING AT ENDS. TREBLE RIVETED OVERLAPS WHERE THICKNESS EXCEEDS .54.

DOUBLE RIVETED OVERLAPS WHERE THICKNESS EXCEEDS .42 AND NOT .54.

SINGLE RIVETED OVERLAPS WHERE THICKNESS DOES NOT EXCEED .42 CLEAR OF OIL.

UPPER DECK STRINGER 60" x 68" FOR 1/2" LEN.

TO 44" AT ENDS. FOR INCREASES AT

BRIDGE ENDS AND POOR FRONT 351

PROFILE AND DECKE PLAN.

BUTTS OF STRINGER QUADRUPLE RIVETED OVERLAPS

FOR 1/2" L. TO TREBLE RIVETED OVERLAPS AT ENDS.

UPPER DECK LONGITUDINALS 8" x 3 1/2" x 40' 3" A SPACED 30" APART 1/8" RIVETS SPACED 6" DIAM APART

UPPER DECK PLATING AT ENDS 36"

STRINGER ANGLE 6" x 6" x 1/2" FOR 1/2" LENGTH

TO 25" x 3 1/2" x 44" AT ENDS CLEAR OF OIL.

RIVETS IN 6" x 6" ANGLE 1/8" DIA SPACED 5" DIAM APART.

SHEERSTRAKE 72" x 82" FOR 1/2" L. TO 46" AT ENDS

INCREASED TO 102" AT POOR FRONT.

SHEERSTRAKE BUTTS FOR 1/2" L. QUADRUPLE RIVETED OVERLAPS

WHERE THICKNESS EXCEEDS .68. TREBLE RIVETED OVERLAPS WHERE

THICKNESS DOES NOT EXCEED .68.

BUTTS OF SHEERSTRAKE AT POOR FRONT

DOUBLE BUTT STRIPS TREBLE RIVETED OR QUADRUPLE RIVETED OVERLAPS

STRAKE BELOW 72" x 72" FOR 1/2" L. TO 46" AT ENDS

BUTTS OF STRAKE BELOW QUADRUPLE RIVETED OVERLAPS

FOR 1/2" L. TO TREBLE RIVETED OVERLAPS AT ENDS (QUADRUPLE WHERE

THICKNESS EXCEEDS .68).

SKETCH OF WELDING

ROUND END OF THE

BAR WHERE MARKED "V"

WELD

LENGTH OF TANKS 23'-6"

SPACING OF TRANSVERSES 9'-10"

SPACING OF FRAMES 23'-6"

STRINGER 27" x 42"

FLANGED 4"

WELDED TO SHELL

SIDE FRAMES AND LONGITUDINAL

BULKHEAD STIFFENERS 10" x 3 1/2" x 43' 4"

SPACED 28" APART. 1/8" DIA RIVETS

SPACED 6" DIAM APART

5' 11" 1/2" see shell plan

6' 11" 1/2" see shell plan

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DR JOSEPH W. ISHERWOOD & CO. LTD.
4, LLOYDS AVENUE,
LONDON, E.C.8.
DATE 22 JUL 1948

SHORT DECK LTD
BULLION, SUNDERLAND

DR JOSEPH W. ISHERWOOD & CO. LTD.
4, LLOYDS AVENUE, LONDON, E.C.8.
[SIGNATURE] N° 1826/1. 19-7-48

INTERMEDIATE FRAMES
IN WING TANK.

7/8" DIA RIVETS IN BOTTOM LONGITUDINALS SPACED 3 1/2" DIA APART FOR
10 RIVETS EACH SIDE OF TRANSVERSES AND TRANSVERSE BULKHEADS
6" DIAM APART ELSEWHERE.
RIVETS IN BOTTOM LONGITUDINALS IN N°1 TANK SPACED 4 1/2" DIAM APART THROUGHOUT.

BOTTOM SHELL IN N°1 OF LONGITUDINALS .61 FOR 1/2" L. TO 48" AT ENDS

BOTTOM LONGITUDINALS 15" x 4" x 4" x 68" CH" SPACED 30" APART 3 1/2" x 3 1/2" x 48"

BACK BARS FITTED AT ENDS OF ALL BOTTOM LONG" FOR 4" x 6" EACH SIDE OF TRANS BULK"

OR WELDING 3/16" FILLET (SEE SKETCH)

BUTTS OF BOTTOM SHELL QUADRUPLE RIVETED OVERLAPS

FOR 1/2" L. TO TREBLE RIVETED OVERLAPS AT ENDS

FLAT PLATE KEEL 52" x 93" FOR 3 1/2" LEN

TO 73" AT ENDS

BUTTS OF KEEL WELDED

TRANSVERSE BULKHEAD STIFFENERS
IN CENTRE COMPARTMENT.

SKETCH SHOWING WELDING AS ALTERNATIVE
TO BACK BARS AT ENDS OF BOTTOM LONGITUDINALS

NOTCHES FOR LONGITUDINALS & STIFFENERS TO BE WELL ROUNDED AT
CORNERS & NOT ROUGH PUNCHED

LIGHTENING HOLES TO MAINTAIN THE RELATIVE POSITION TO BULKHEAD ETC.

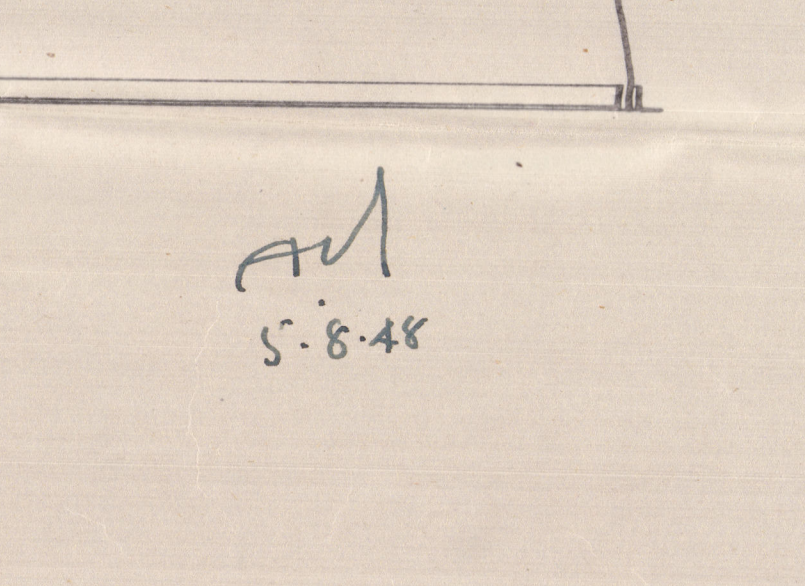
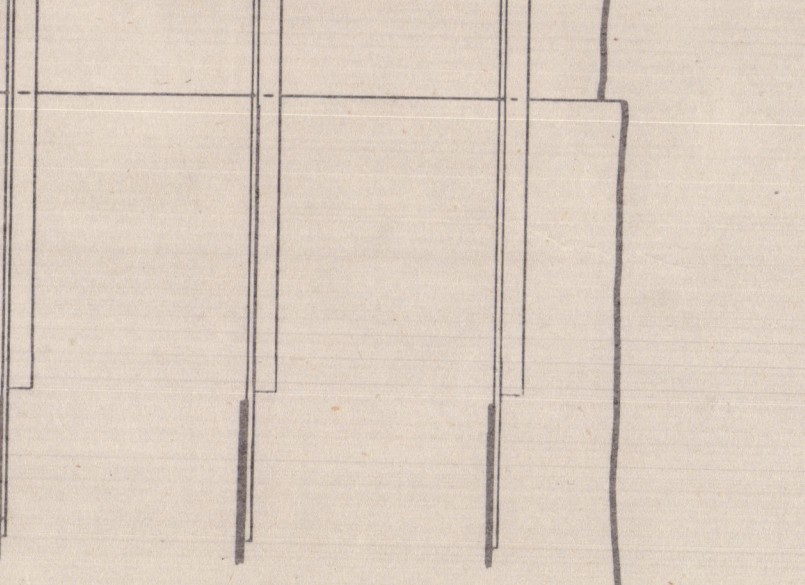
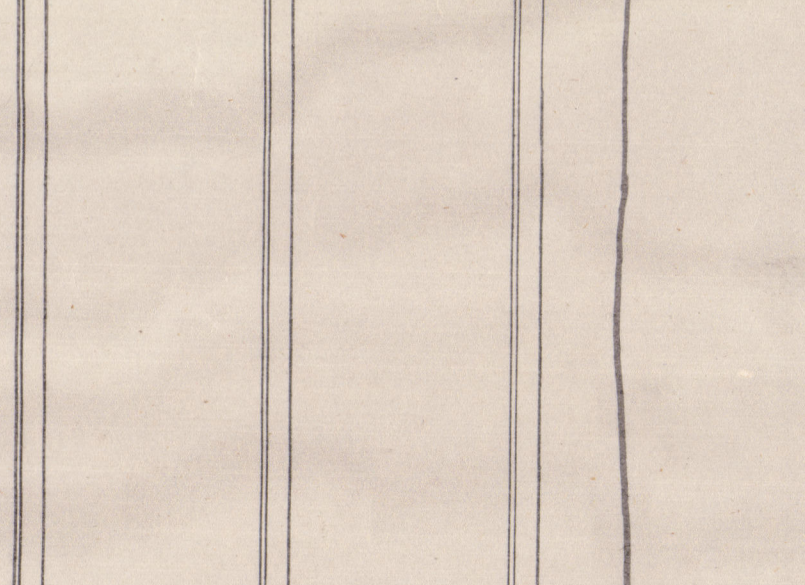
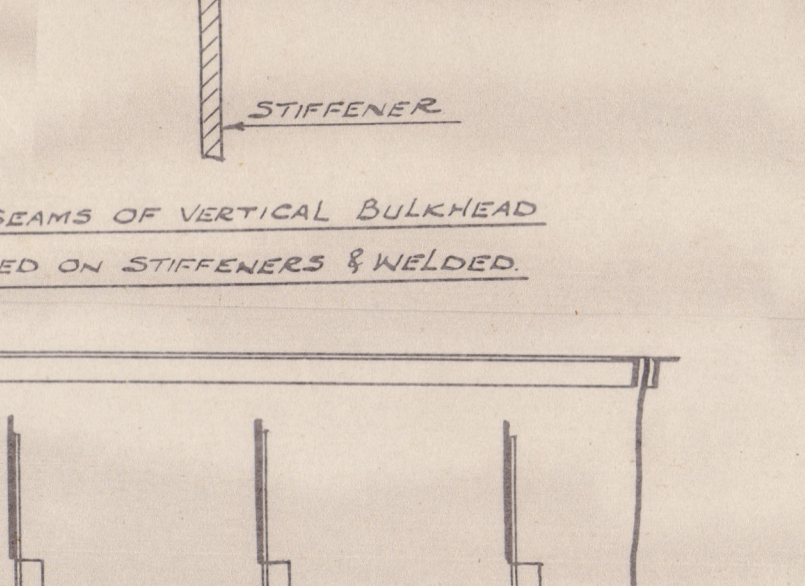
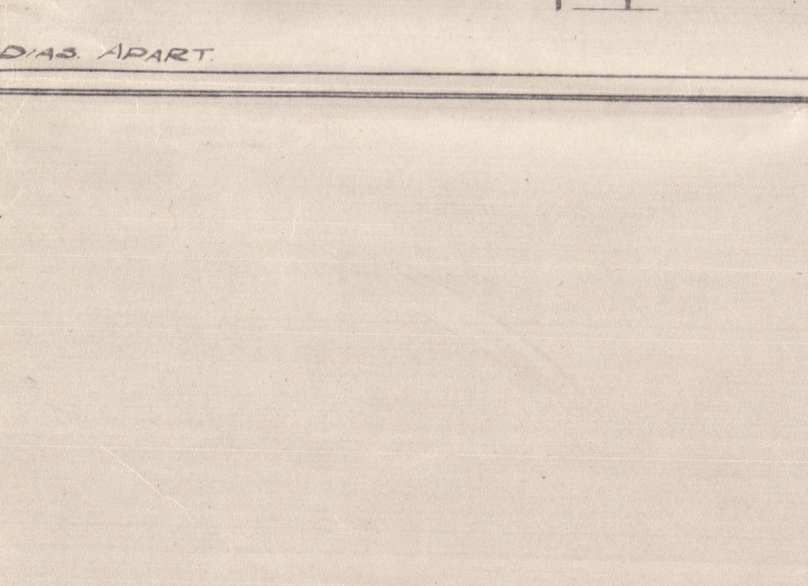
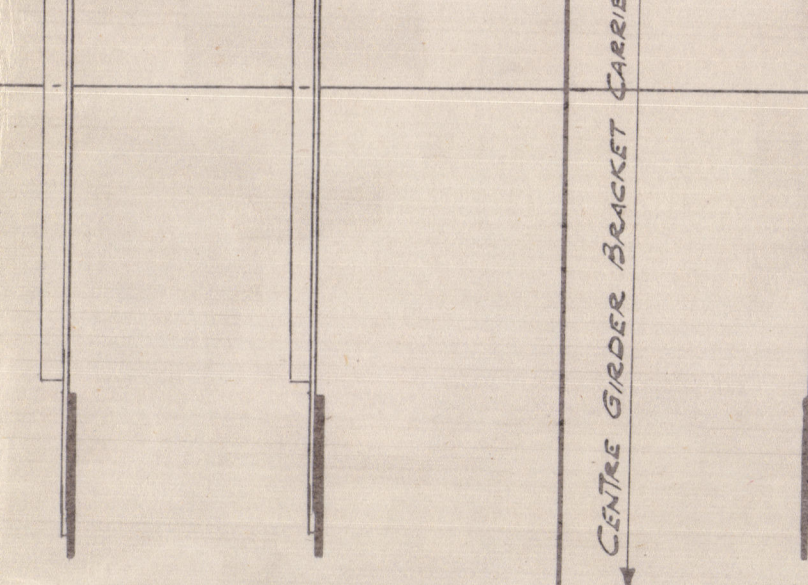
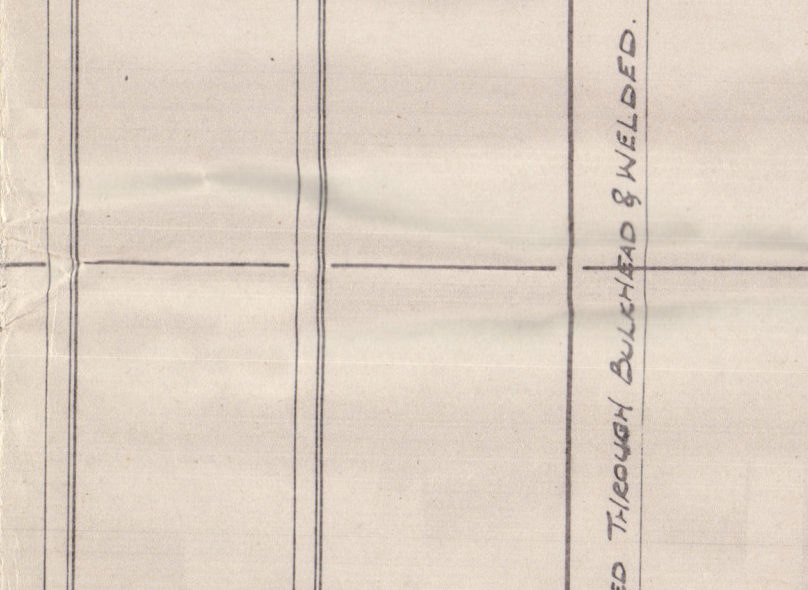
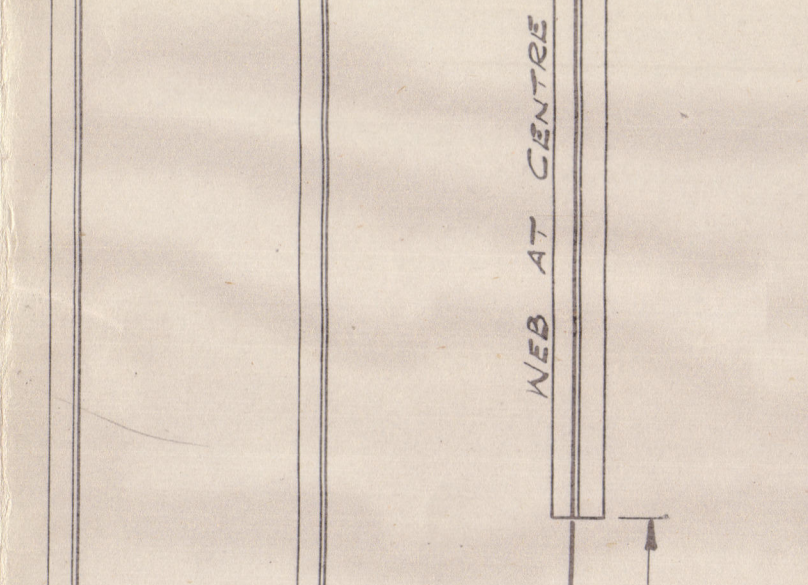
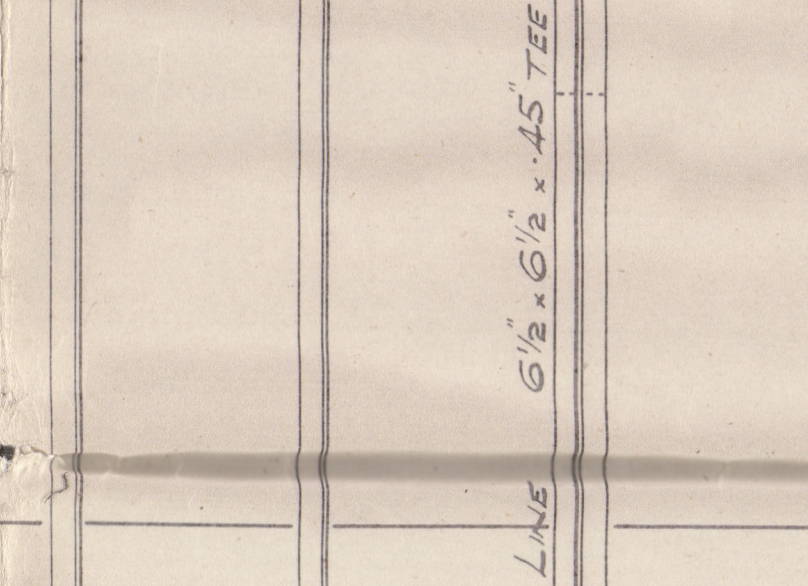
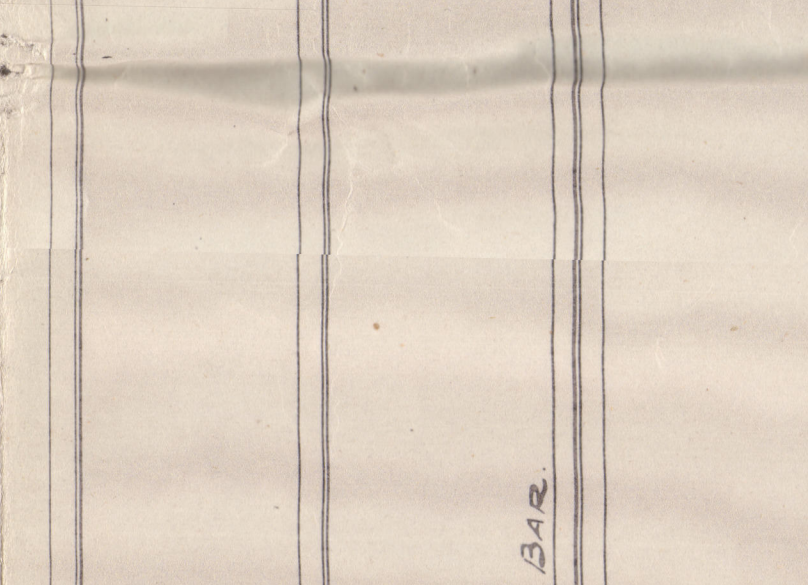
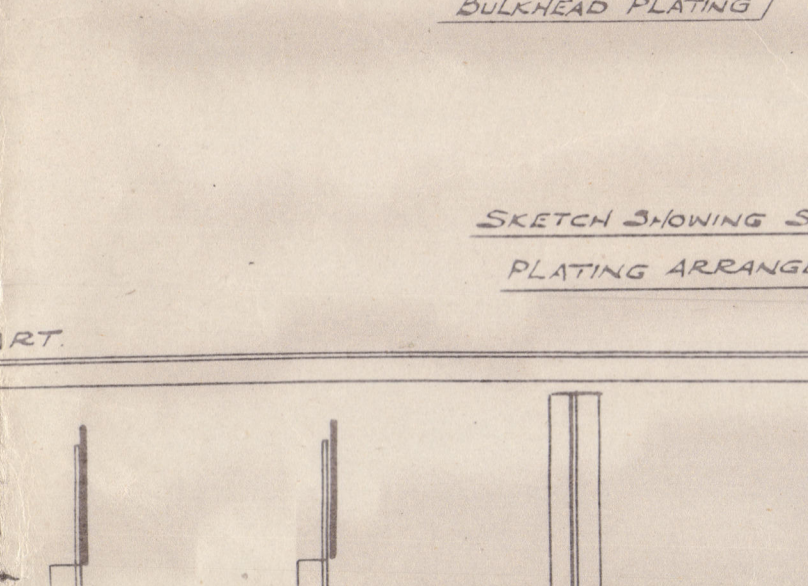
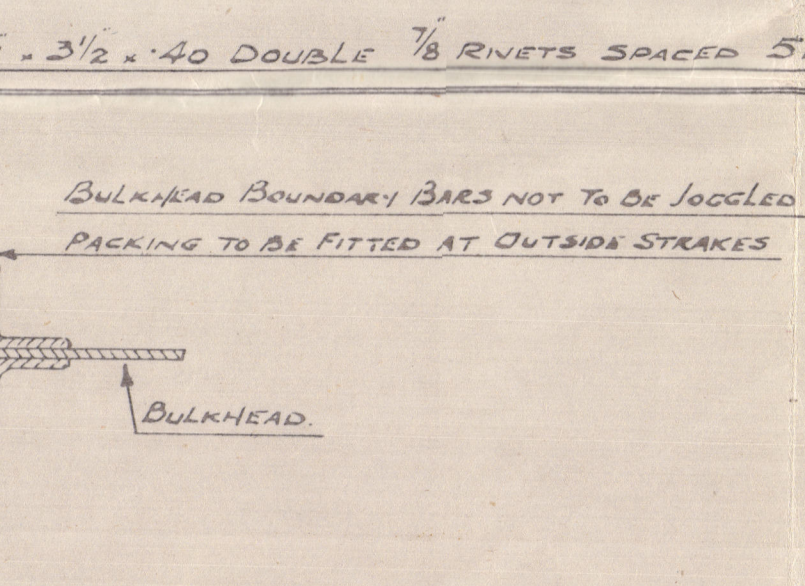
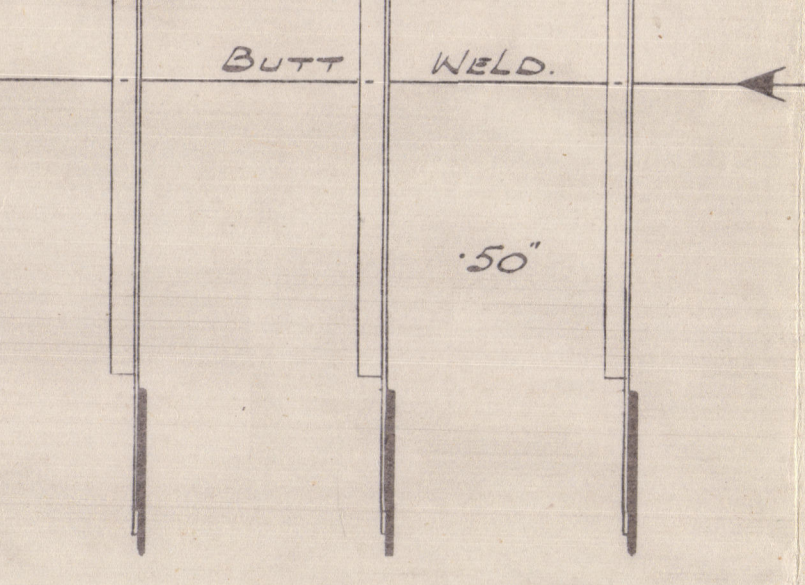
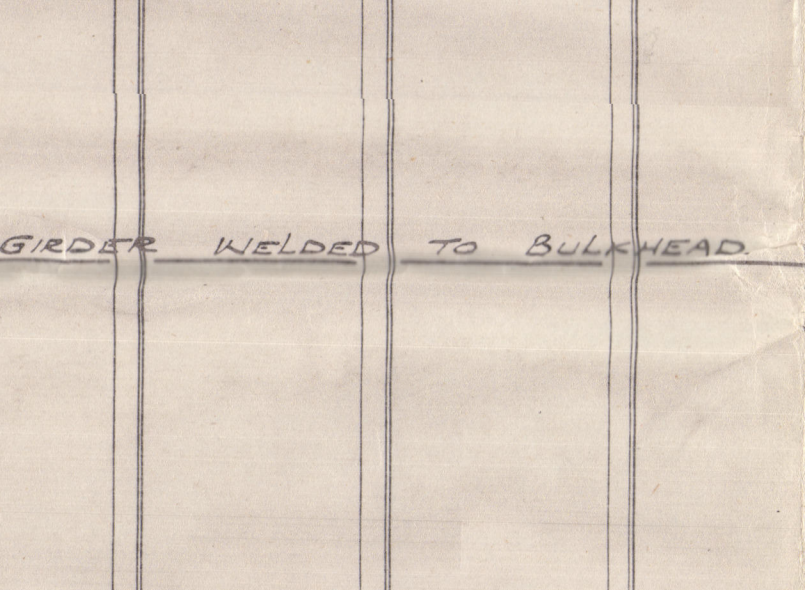
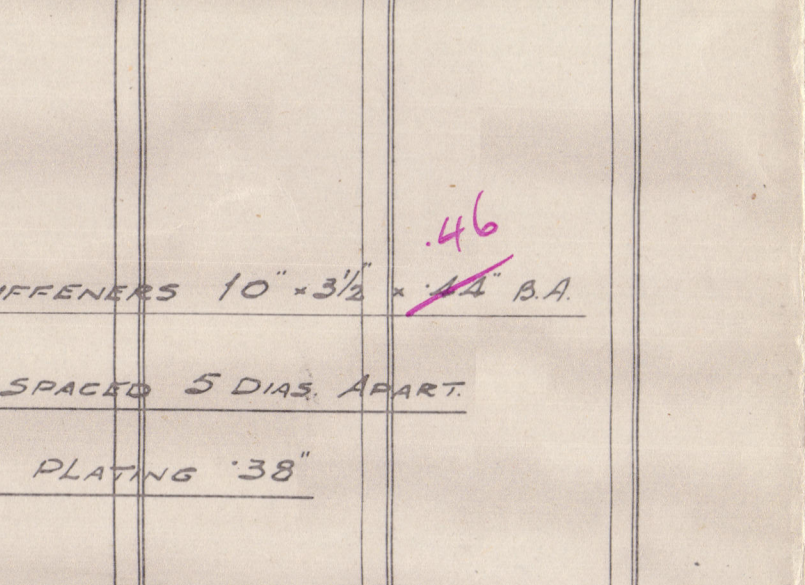
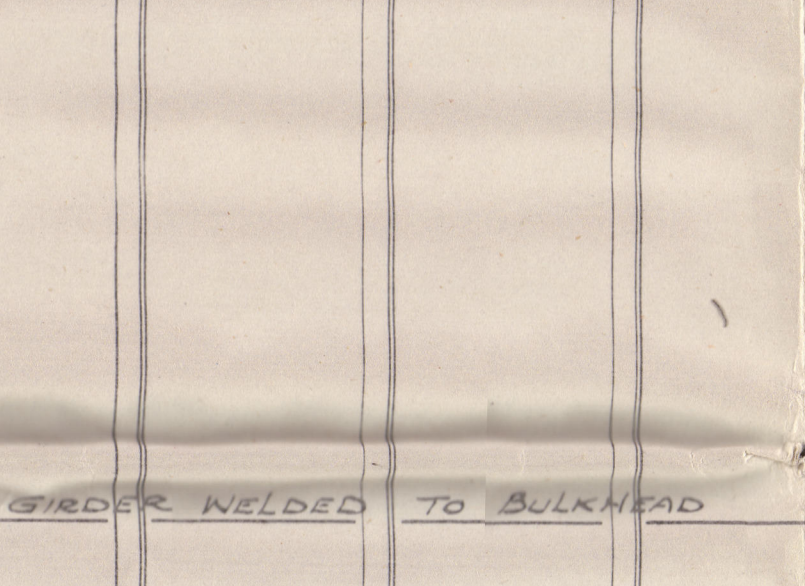
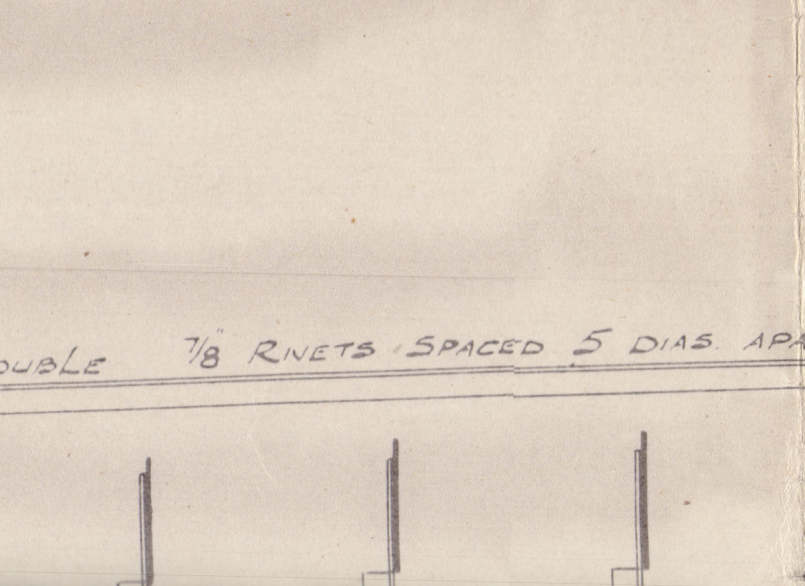
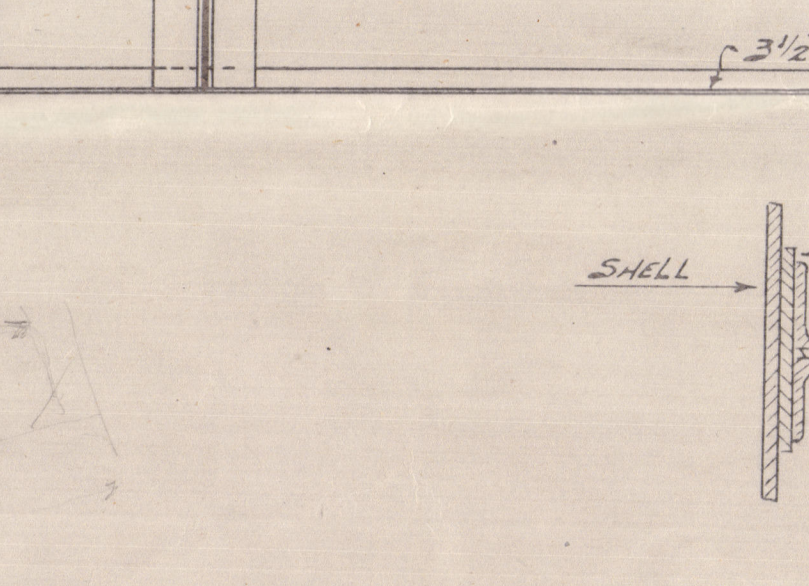
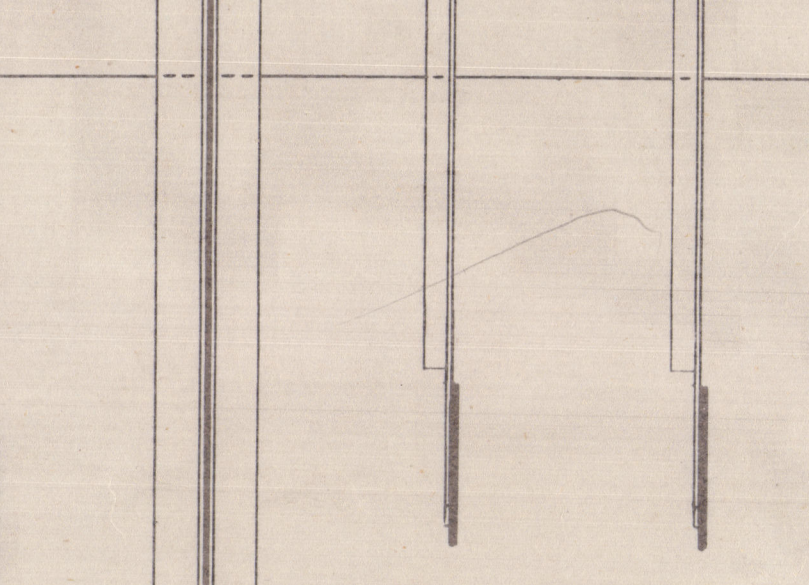
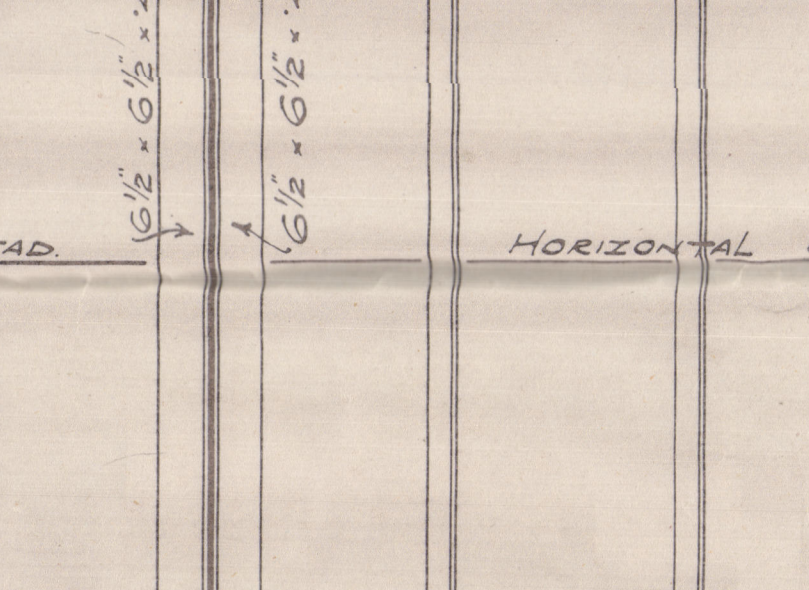
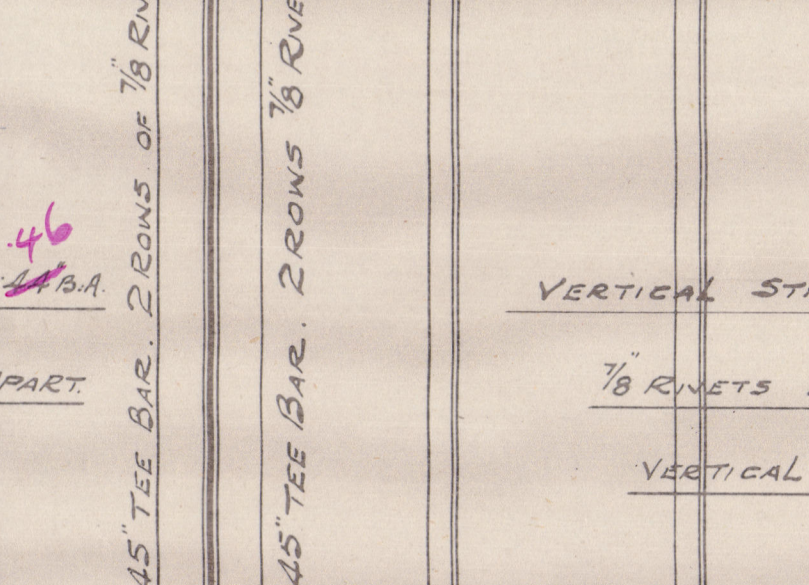
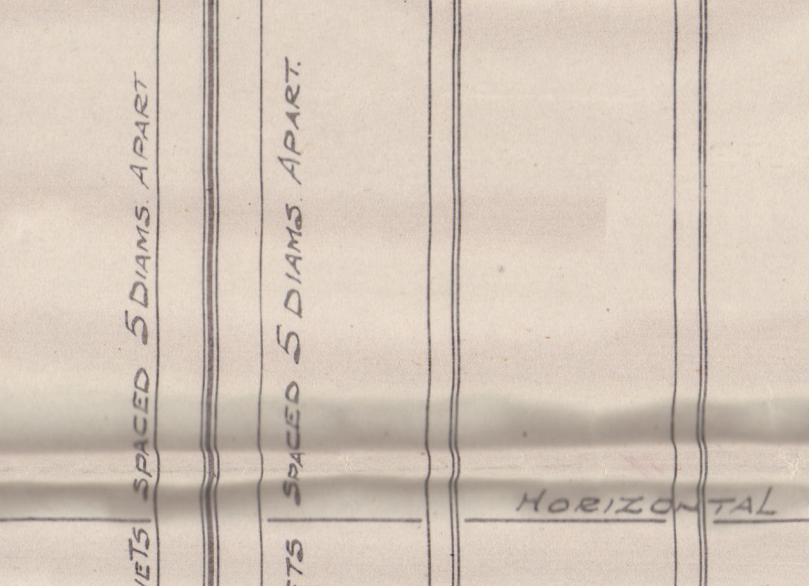
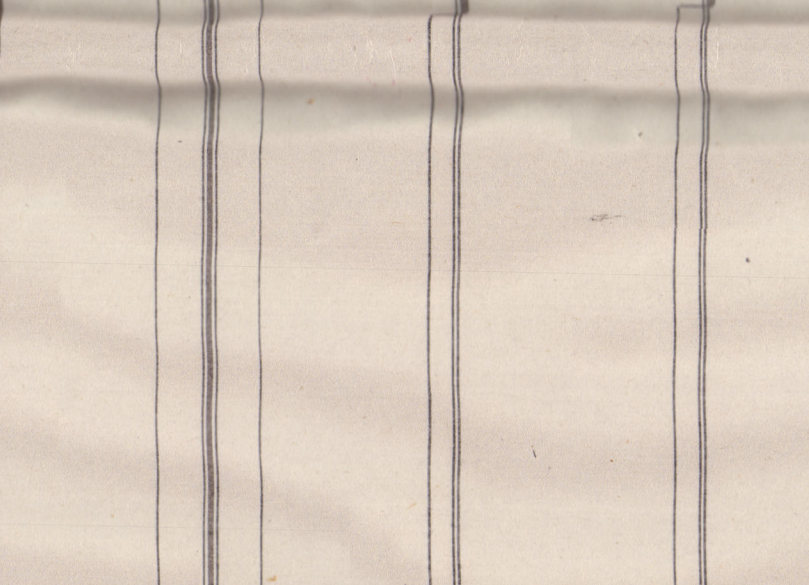
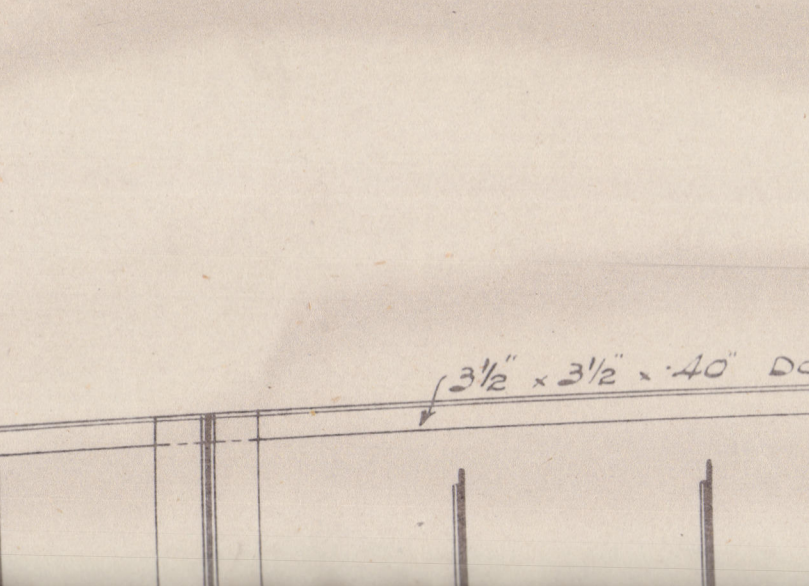
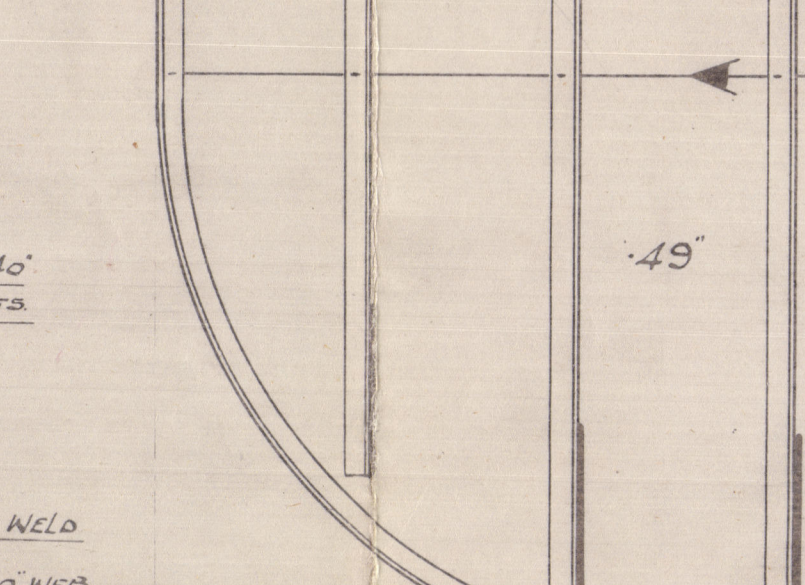
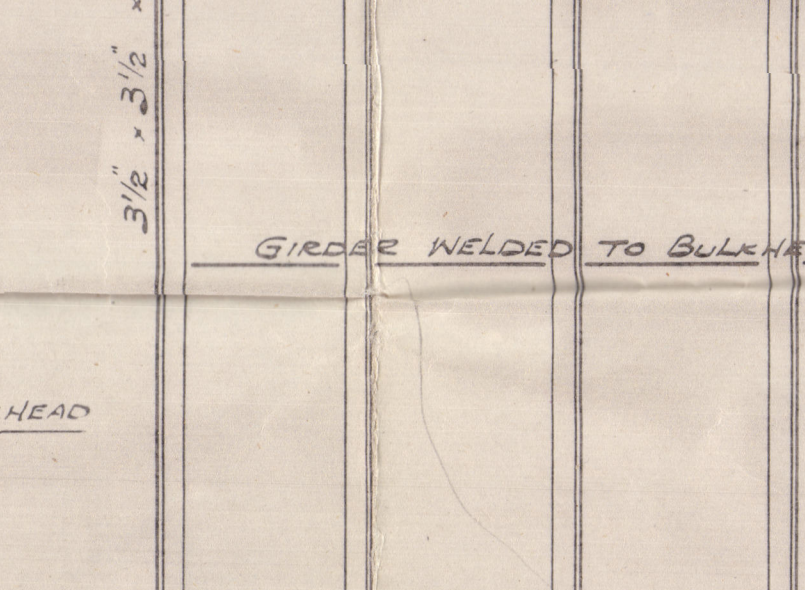
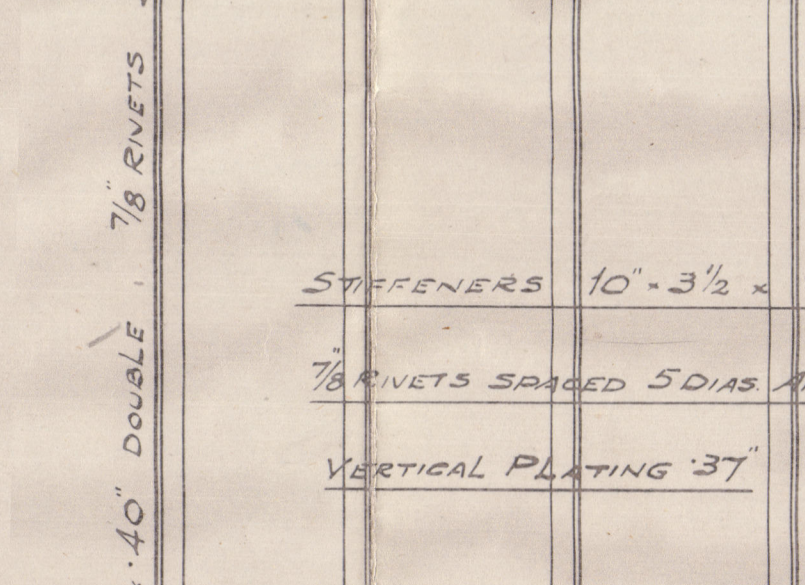
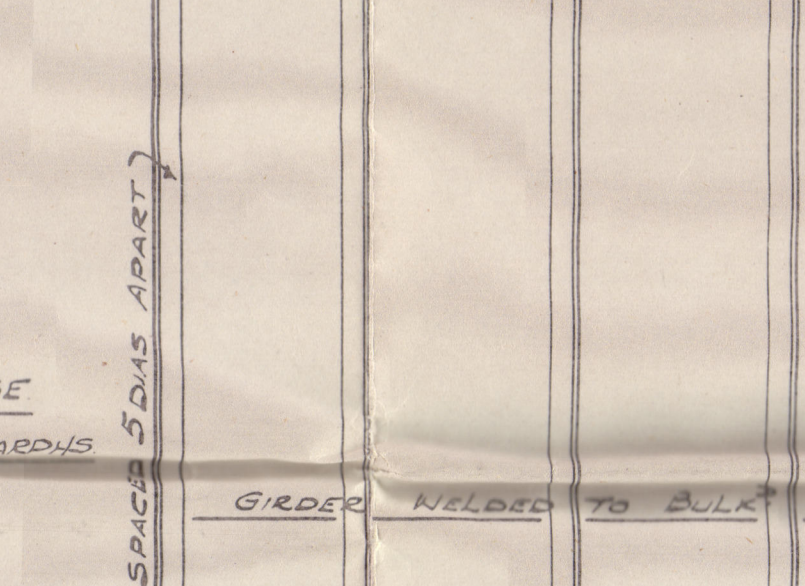
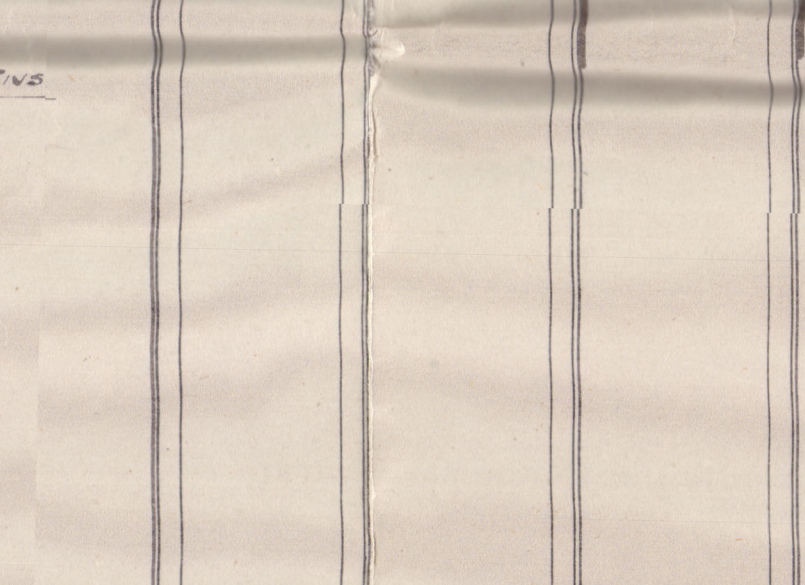
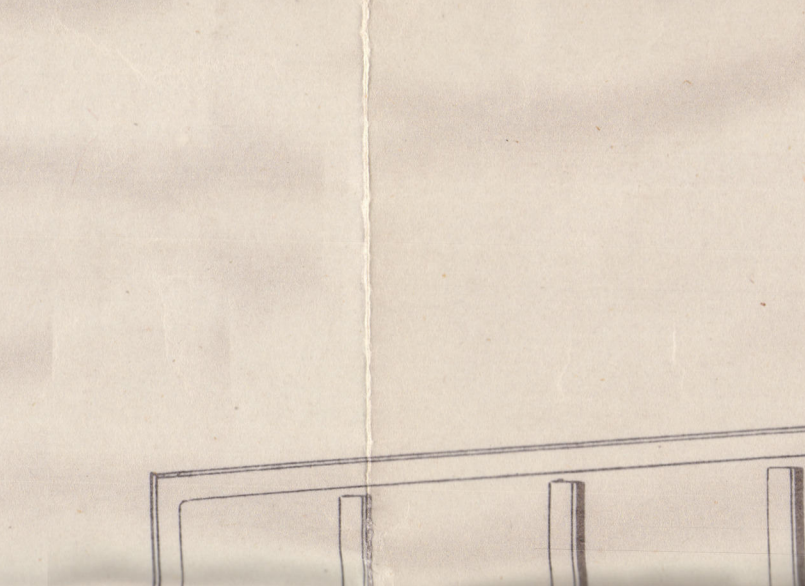
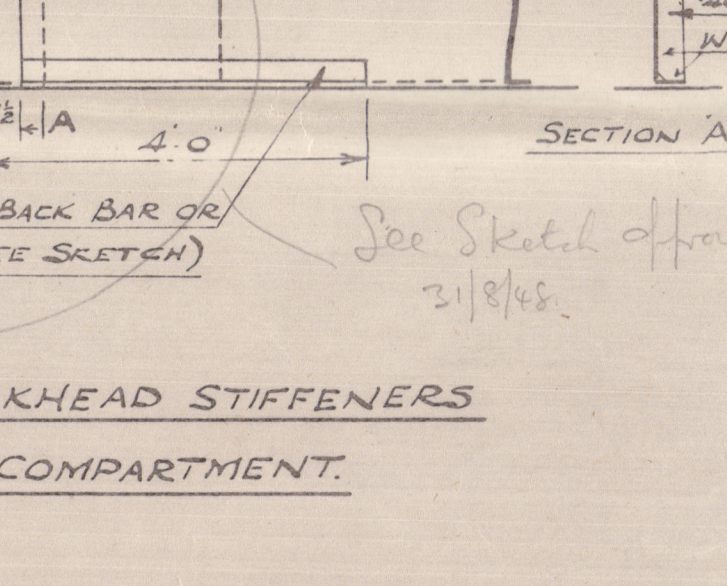
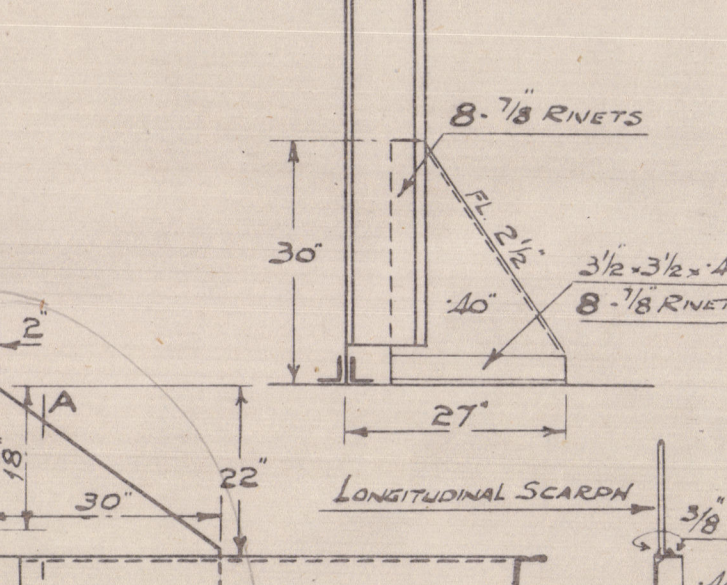
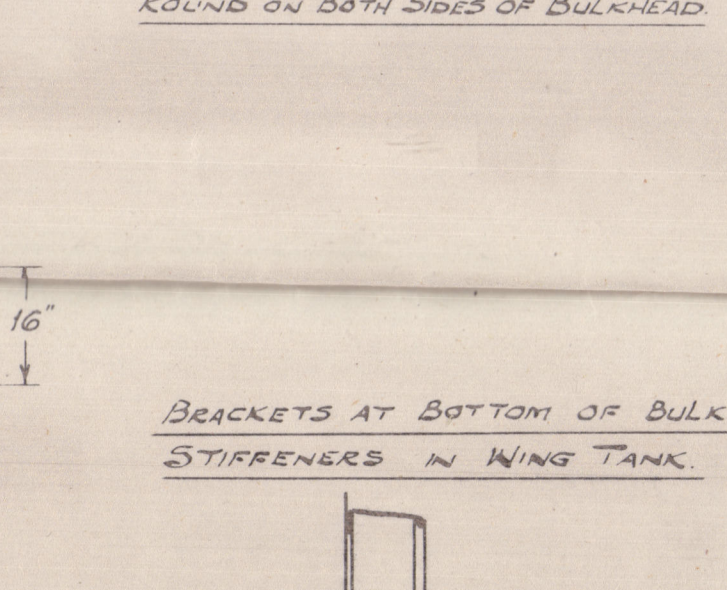
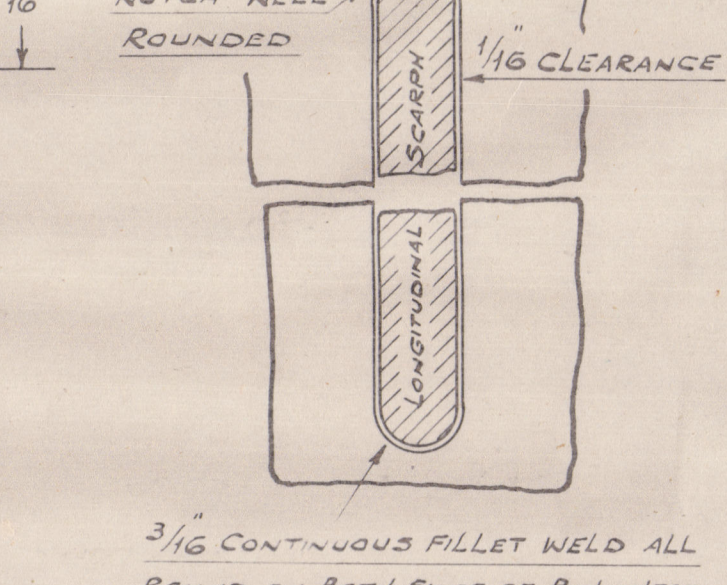
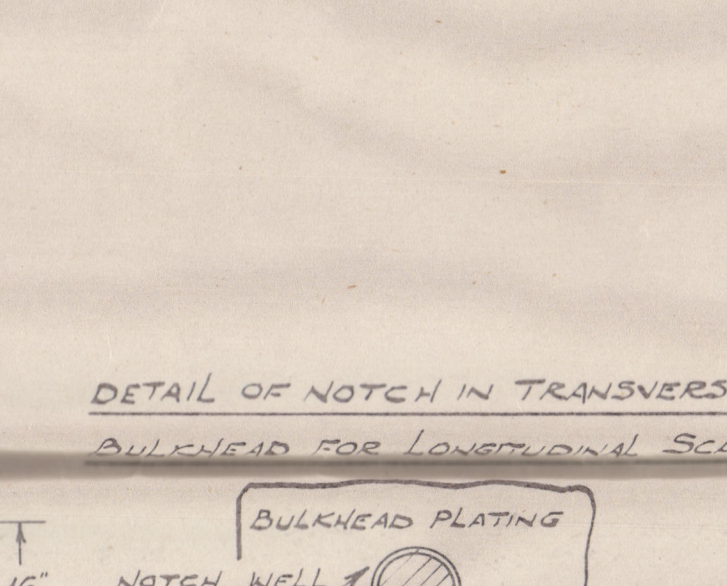
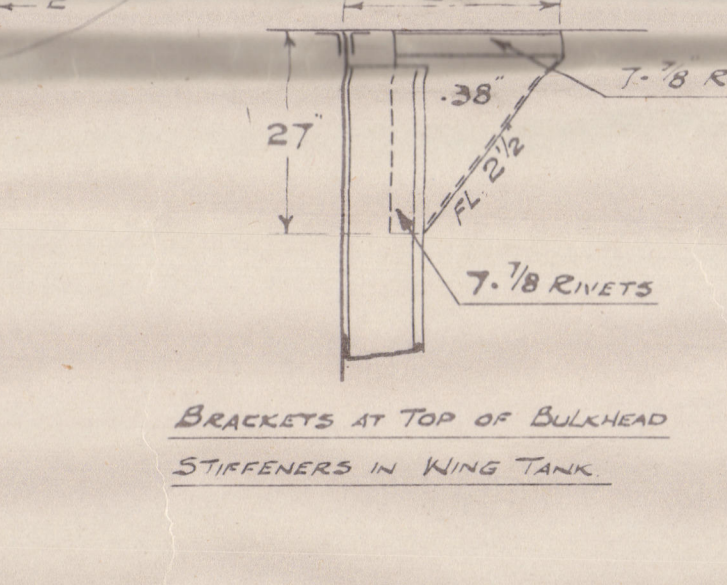
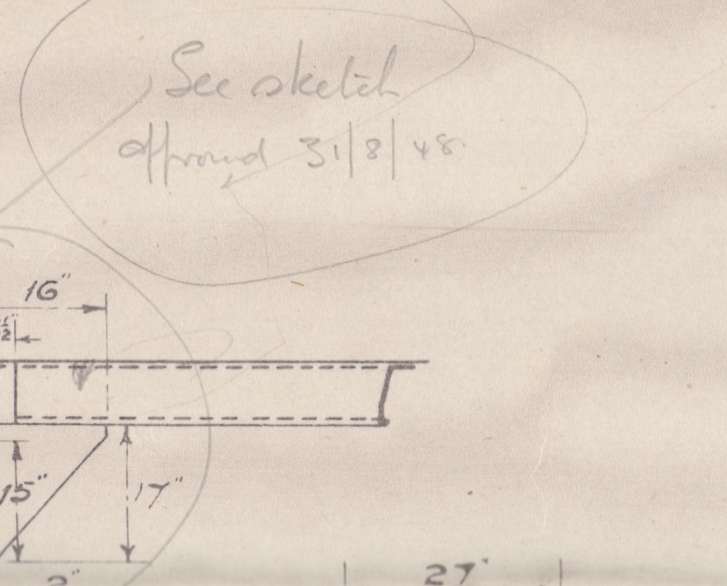
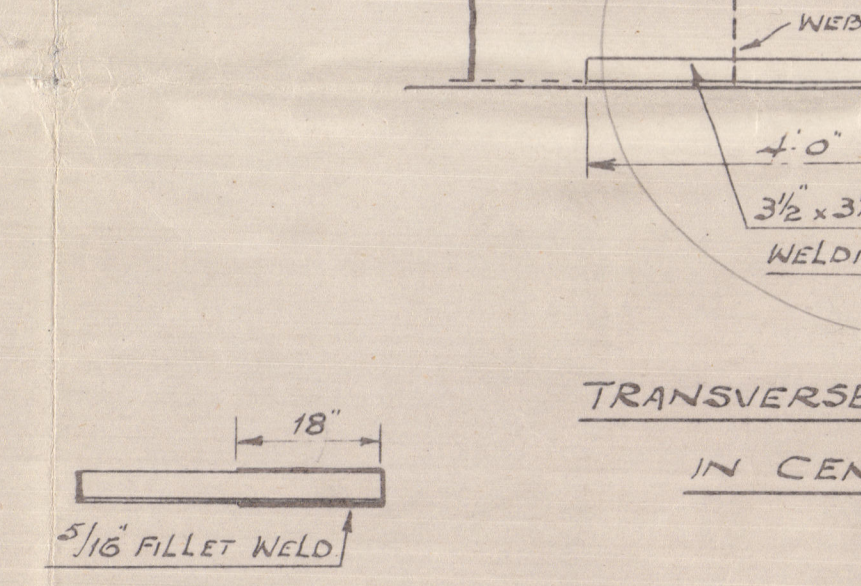
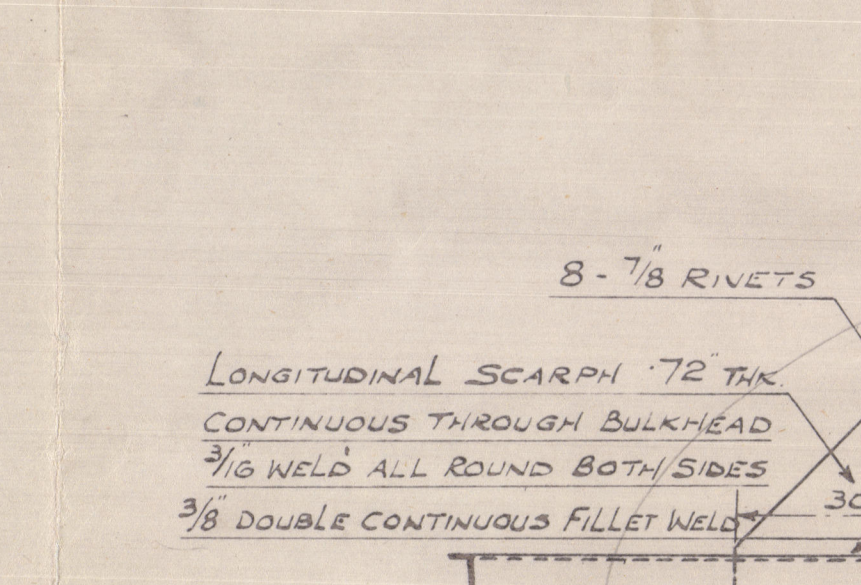
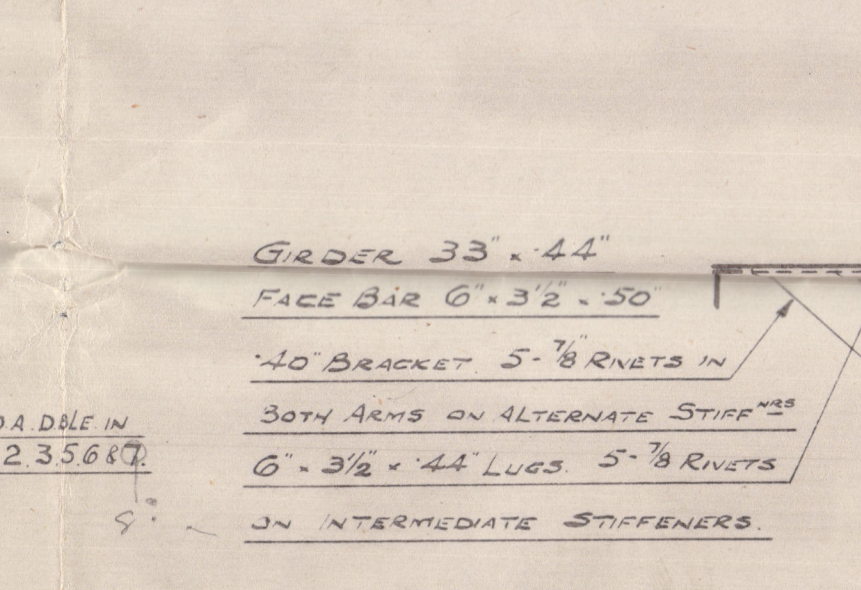
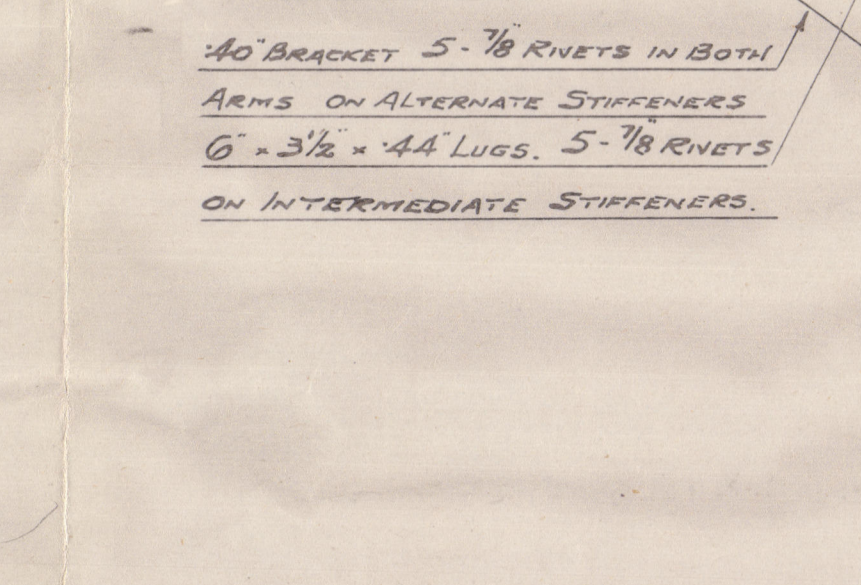
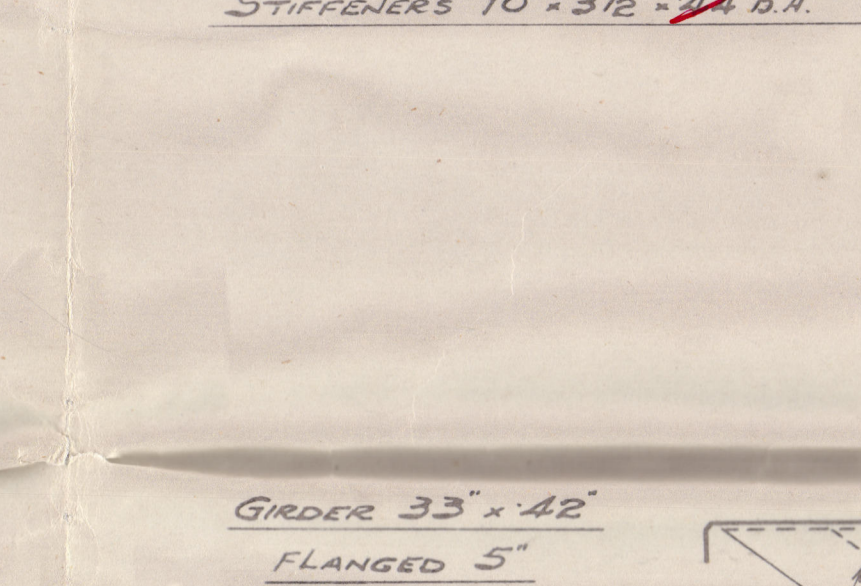
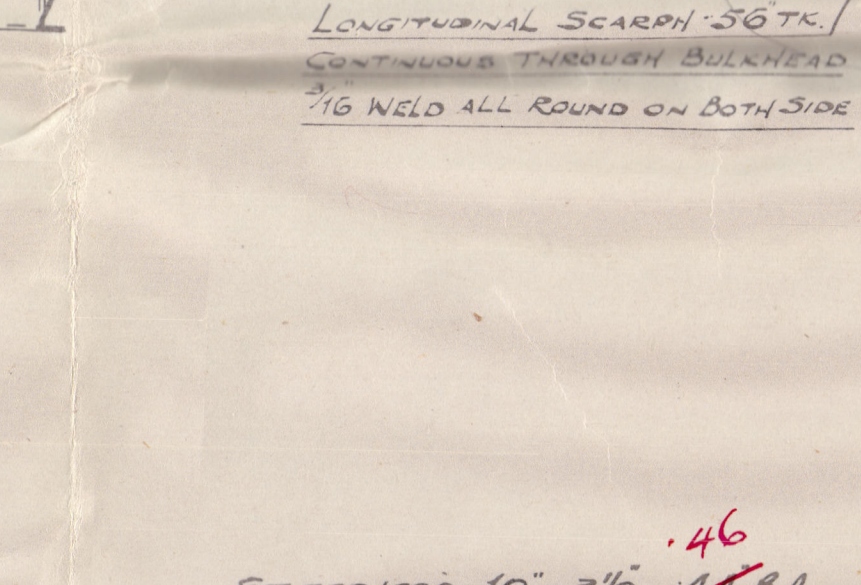
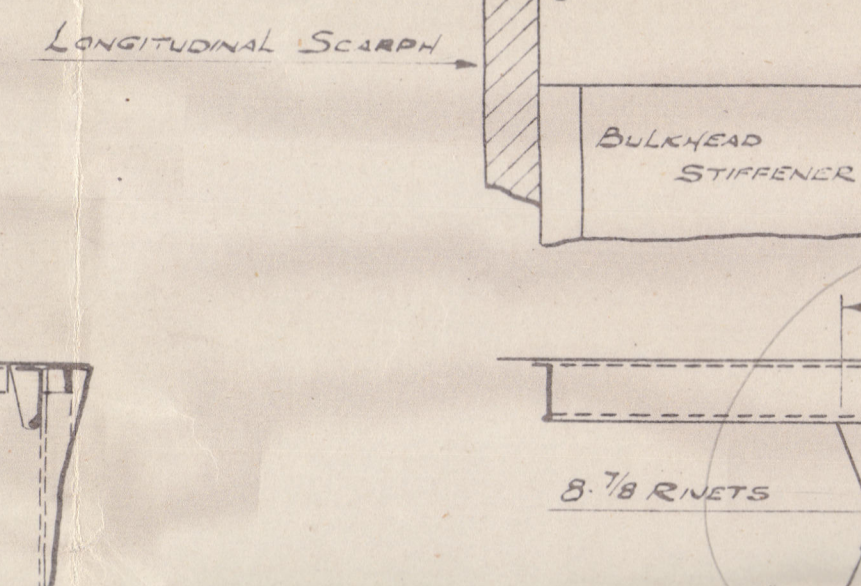
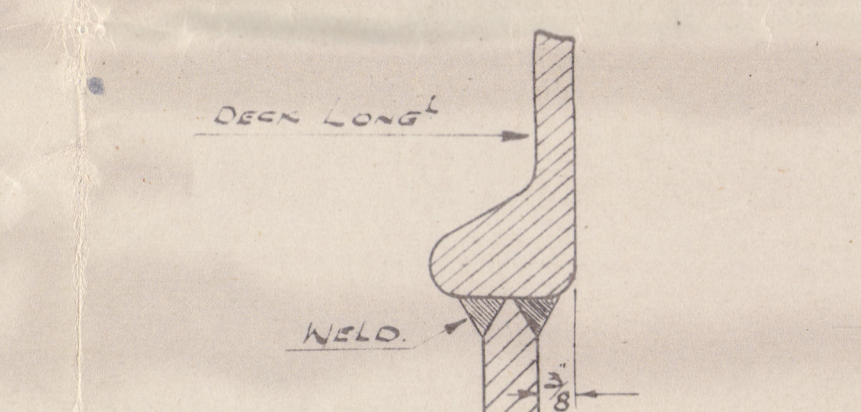
AS SHOWN ON THIS PLAN & NOT TO BE LESS THAN 8" CLEAR OF NOTCHES

FACE BARS ON WEBS, TRANSVERSES & GIRDERS MAY BE OF OTHER SECTION

THAN SHOWN IF OF EQUIVALENT AREA, SUPPORTS TO BE FITTED

WHERE DEPTH OF FACE BAR EXCEEDS 7"

THE RULES FOR ELECTRIC ARC WELDING IN SHIP CONSTRUCTION TO BE COMPLIED WITH.



SHORTS 507

MIDSHIP SECTION
&

O.T. TRANSVERSE BULKHEADS.

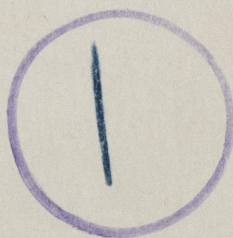
SUNDERLAND 35331

SOYA CHRISTINA



N.N. DIESH SEWARK

RECORDS DEPT
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Lloyd's Register
Foundation

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