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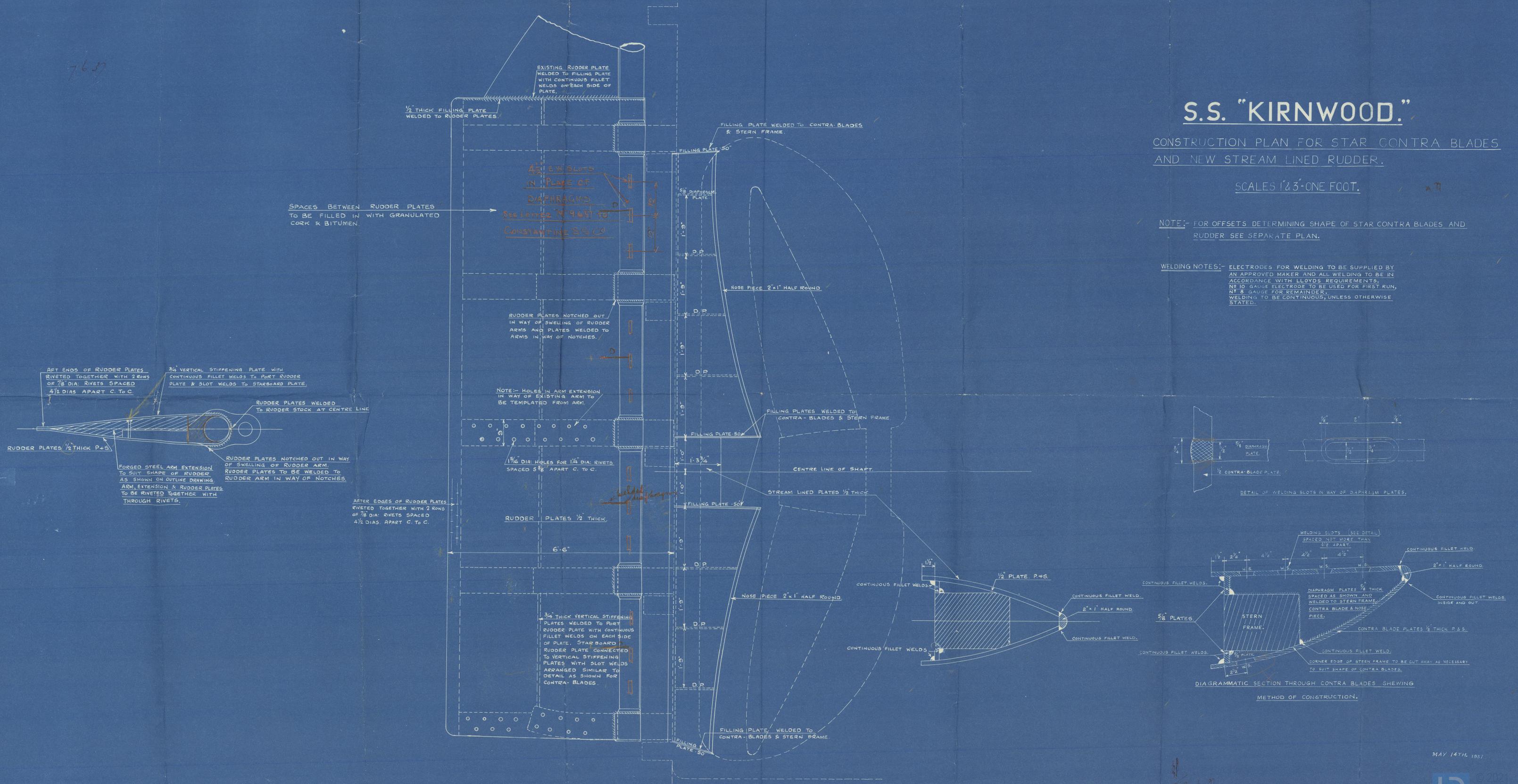
S.S. "KIRNWOOD."

CONSTRUCTION PLAN FOR STAR CONTRA BLADES AND NEW STREAM LINED RUDDER.

SCALE 1" = 3'-0" ONE FOOT.

NOTE: FOR OFFSETS DETERMINING SHAPE OF STAR CONTRA BLADES AND RUDDER SEE SEPARATE PLAN.

WELDING NOTES: ELECTRODES FOR WELDING TO BE SUPPLIED BY AN APPROVED MAKER AND ALL WELDING TO BE IN ACCORDANCE WITH LLOYD'S REQUIREMENTS. NO. 8 GAUGE ELECTRODE TO BE USED FOR FIRST RUN, NO. 8 GAUGE FOR REMAINDER. WELDING TO BE CONTINUOUS, UNLESS OTHERWISE STATED.



SPACES BETWEEN RUDDER PLATES TO BE FILLED IN WITH GRANULATED CORK & BITUMEN.

1/2" E.W. SLOTS IN PLANE OF DIAPHRAGMS
SEE LETTER 'N' 9.6.17 TO CONSTANTINE S.S. CO.

RUDDER PLATES NOTCHED OUT IN WAY OF SWELLING OF RUDDER ARMS AND PLATES WELDED TO ARMS IN WAY OF NOTCHES.

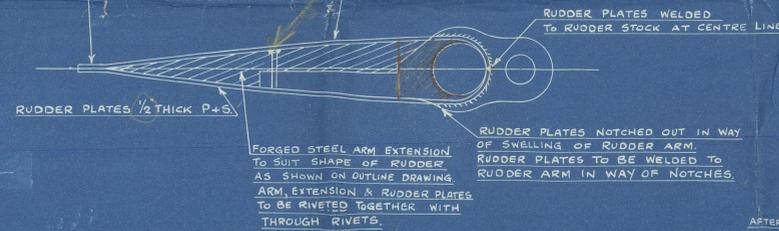
NOTE: HOLES IN ARM EXTENSION IN WAY OF EXISTING ARM TO BE TEMPLATED FROM ARM.

1 7/8" DIA. HOLES FOR 1 1/4" DIA. RIVETS SPACED 5 3/8" APART C. TO C.

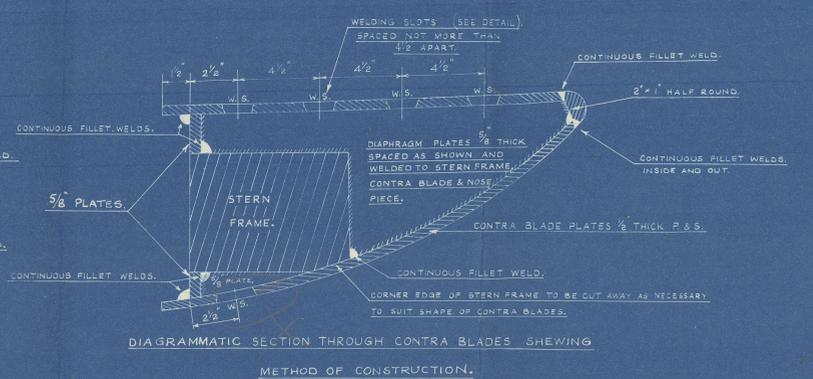
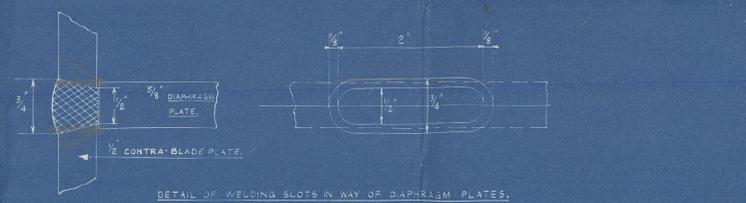
RUDDER PLATES 1/2 THICK

3/4" THICK VERTICAL STIFFENING PLATES WELDED TO PORT RUDDER PLATE WITH CONTINUOUS FILLET WELDS ON EACH SIDE OF PLATE. STAR BOARD RUDDER PLATE CONNECTED TO VERTICAL STIFFENING PLATES WITH SLOT WELDS ARRANGED SIMILAR TO DETAIL AS SHOWN FOR CONTRA-BLADES.

AFT ENDS OF RUDDER PLATES RIVETED TOGETHER WITH 2 ROWS OF 7/8" DIA. RIVETS SPACED 4 1/2" DIAS. APART C. TO C.
3/4" VERTICAL STIFFENING PLATE WITH CONTINUOUS FILLET WELDS TO PORT RUDDER PLATE & SLOT WELDS TO STARBOARD PLATE.



AFTER EDGES OF RUDDER PLATES RIVETED TOGETHER WITH 2 ROWS OF 7/8" DIA. RIVETS SPACED 4 1/2" DIAS. APART C. TO C.



MAY 14TH. 1937

KIRNWOOD

RUDDER PLAN

Wac pr no 95156

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[Faint, illegible handwritten notes and scribbles]

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