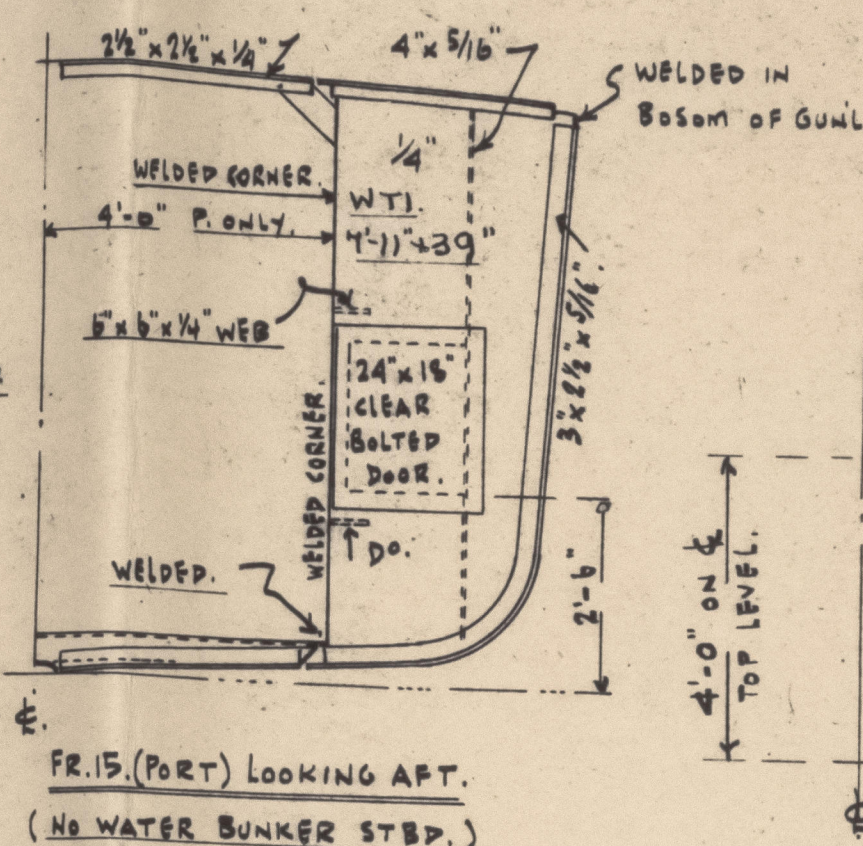


LOYDS REGISTER OF SHIPPING
24 JAN 1951
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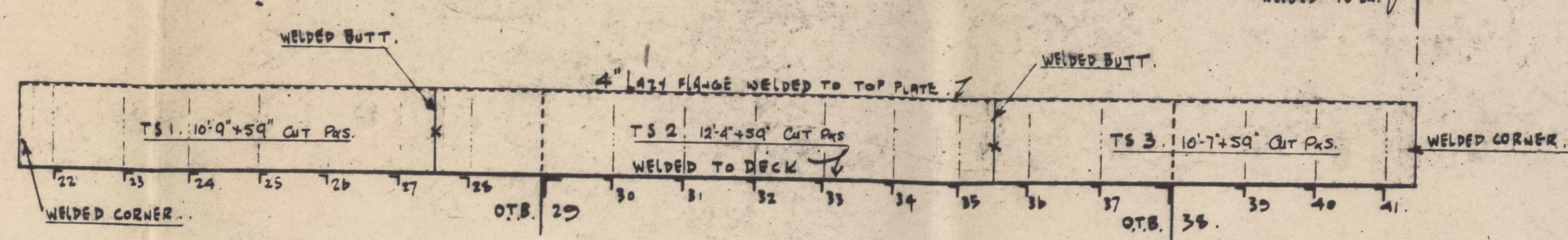
Diagram of a beam cross-section with the following dimensions and properties:

- Top flange width: $3'-6"$
- Top flange thickness: $1'-0"$
- Web thickness: $7'-1" \times 3'-4"$
- Bottom flange width: $3'-4"$
- Bottom flange thickness: $1'-11\frac{1}{2}"$
- Material properties:
 - $f'_c = 4000$ PSI
 - $f_y = 60,000$ PSI
 - $E_s = 29,000,000$ PSI
 - $E_c = 4,030,000$ PSI
- Stirrups: $3 \times \frac{3}{8}"$



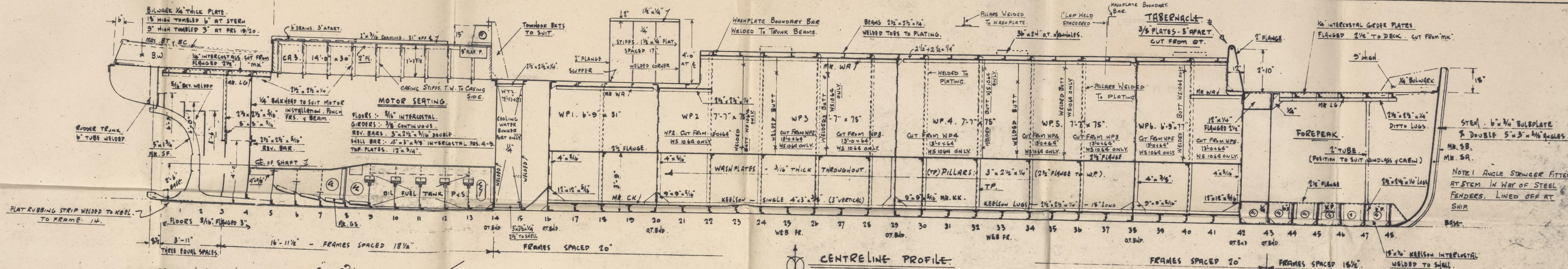
AFT END MOTOR CASING
PORT SIDE. LOOKING AFT.
FORWARD END SIMILAR.
BOTH 1/4" THICK.

AFT END OF WHEELHOUSE
FWD. END SIMILAR. NO DOORS.

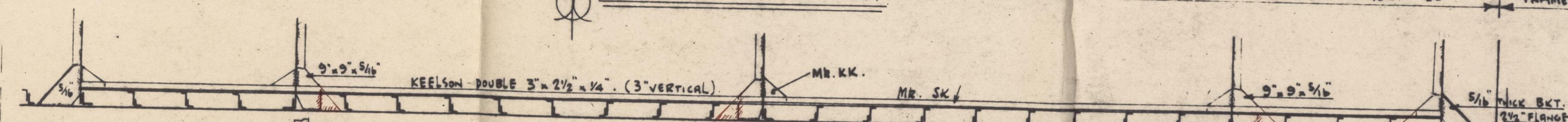


PROFILE: STB. TRUNK SIDE. LOOKING TO PORT

$\frac{1}{4}$ " THICK THROUGHOUT \therefore STIFFS. $2\frac{1}{2}" \times 2\frac{1}{2}" \times \frac{1}{4}"$ \sim EX. BIDS. STIFFS. WELDED TOE TO PLATING.



CENTRELINE PROFILE



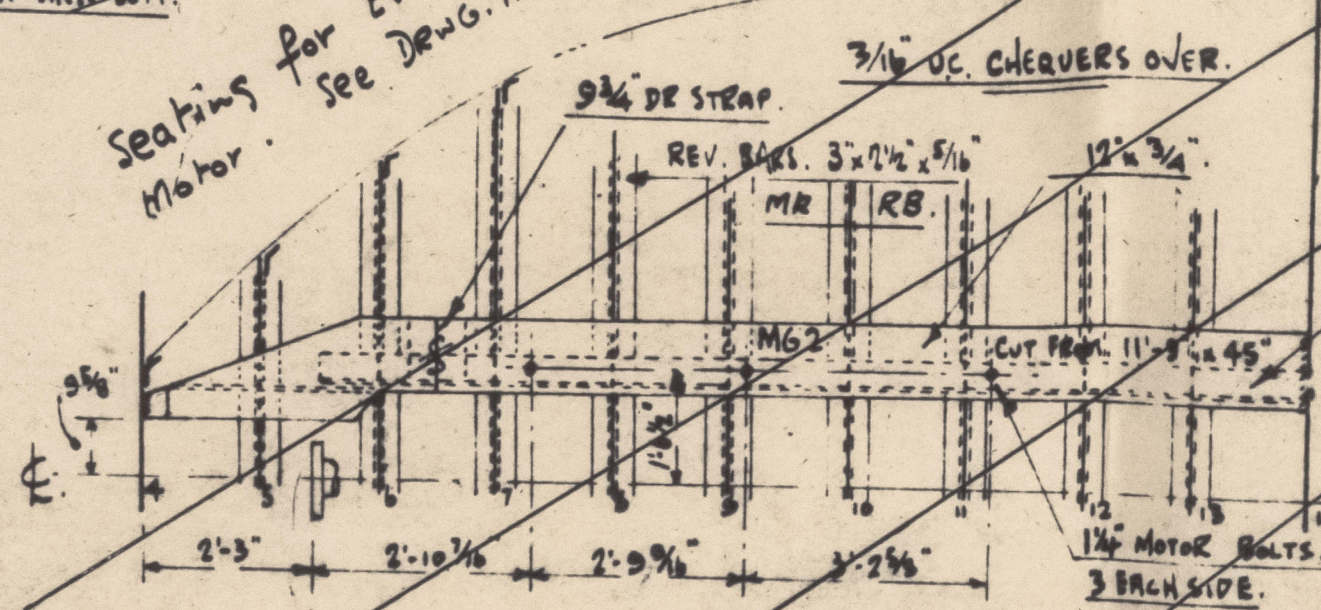
SIDE KEELSON PROFILE

FRAMES 3"x2"x $\frac{3}{16}$ " THROUGHOUT (CANT FRS. 2"x2"x $\frac{5}{16}$ ") ~ * BULKHEAD FRAMES 4"x4"x $\frac{5}{16}$ " (OR 4"x3"x $\frac{5}{16}$ " (RIVETTED TO SHELL) (WELDED TO B.W.S.)

FLOORS 5" x 3" x 5/16" ANGLES • IN TANKS

FLOORS 18" x 1/4" CONTINUOUS
FLANGED 3" AT TOP.

PLAN VIEW :- MOTOR SEATING.
FOR LISTER EPV MG.3" ~ 2:1 RED'GEAR



ELECTRIC WELDING

ALL MATERIALS AND PLANT IN ACCORDANCE WITH LINDERS RULES

GENERAL

KELSON BOTS. (SHEDDY BOTS. : DOUBLE CONTINUOUS WELDS.
KELSONS : GIRDERS TO BIDS. FLOORS : STAGGERED INTERMITTENT
3 WELDS SPACED 4" C. TO C.
KELSONS : GIRDERS TO SHELL : CHAIN WELDS 5" C. TO C.
WASHPLATES TO BIDS : STAGGERED INTERMITTENT 3 WELDS
SPACED 6" C. TO C.
MOTOR Casing TOP TEAMS (ENDS TO DE) : DOUBLE CONTINUOUS. 1/4"
WHEELHOUSE TO DE) : DOUBLE CONTINUOUS. 1/4"
WHEELHOUSE : Casing STIFFERS : STAGGERED INTERMITTENT 3 WELDS
SPACED 1" C. - C.
BULWARK DE BAR PMS. 4-10 : DOUBLE CONTINUOUS.

KRUNK ETC. SEE DRUG. NO. 2024 "Modified Expansion Trunk"

MOTOR CASING. BEAMS TO CASING TOP STAGGERED INTERMITTENT
2" WELDS SPACED 7" CENTERS.

CASING STIFFS TO CASING SIDE STAGGERED INTERMITTENT
1" WELDS SPACED 7" CENTERS.

MOTOR CASING SIDES TO DECK. CONTINUOUS DOUBLE
FILLETS 1/4"

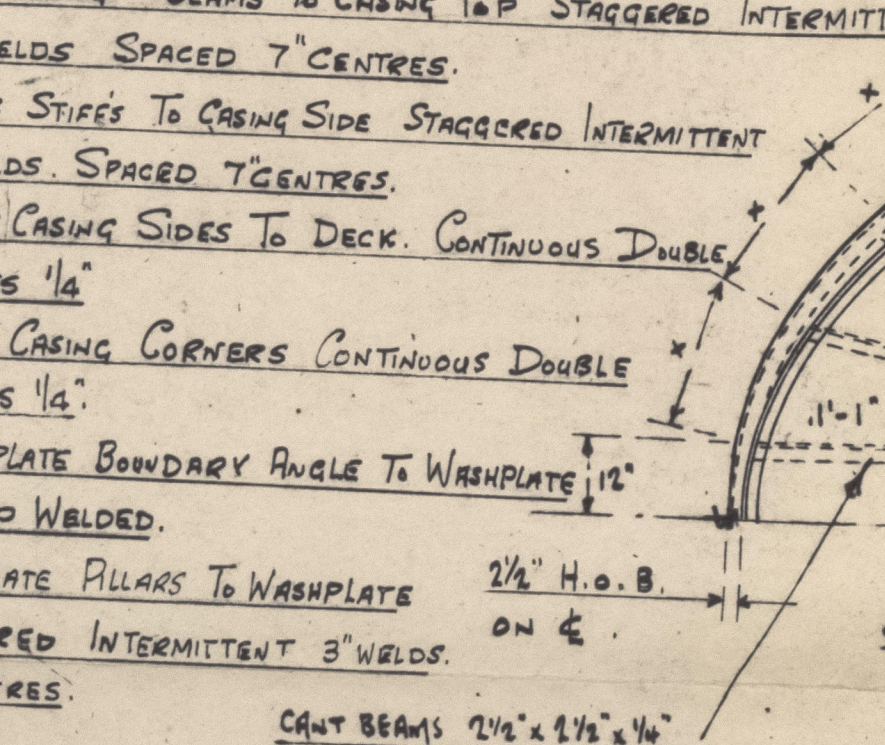
MOTOR CASING CORNERS CONTINUOUS DOUBLE
FILLETS 1/4".

WASHPATE BOUNDARY ANGLE TO WASHPATE 15°
1" LAP WELDED.

WASHPATE PILARS TO WASHPATE 2 1/4" H.O.B
ON 4.

STAGGERED INTERMITTENT 3" WELDS.
7" CENTERS.

CASING BEAMS 1 1/2" x 1 1/2" x 1/4"
SPACED 12" AT O BEAM
3/4" AS SHOWN AT GUNWALE
1/4" BKT. 5" CONNECTIONS.

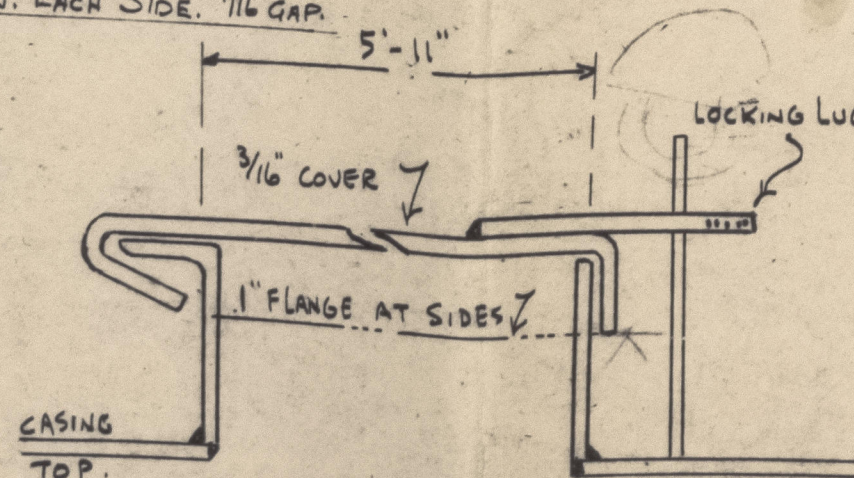


11'-1" x 50"

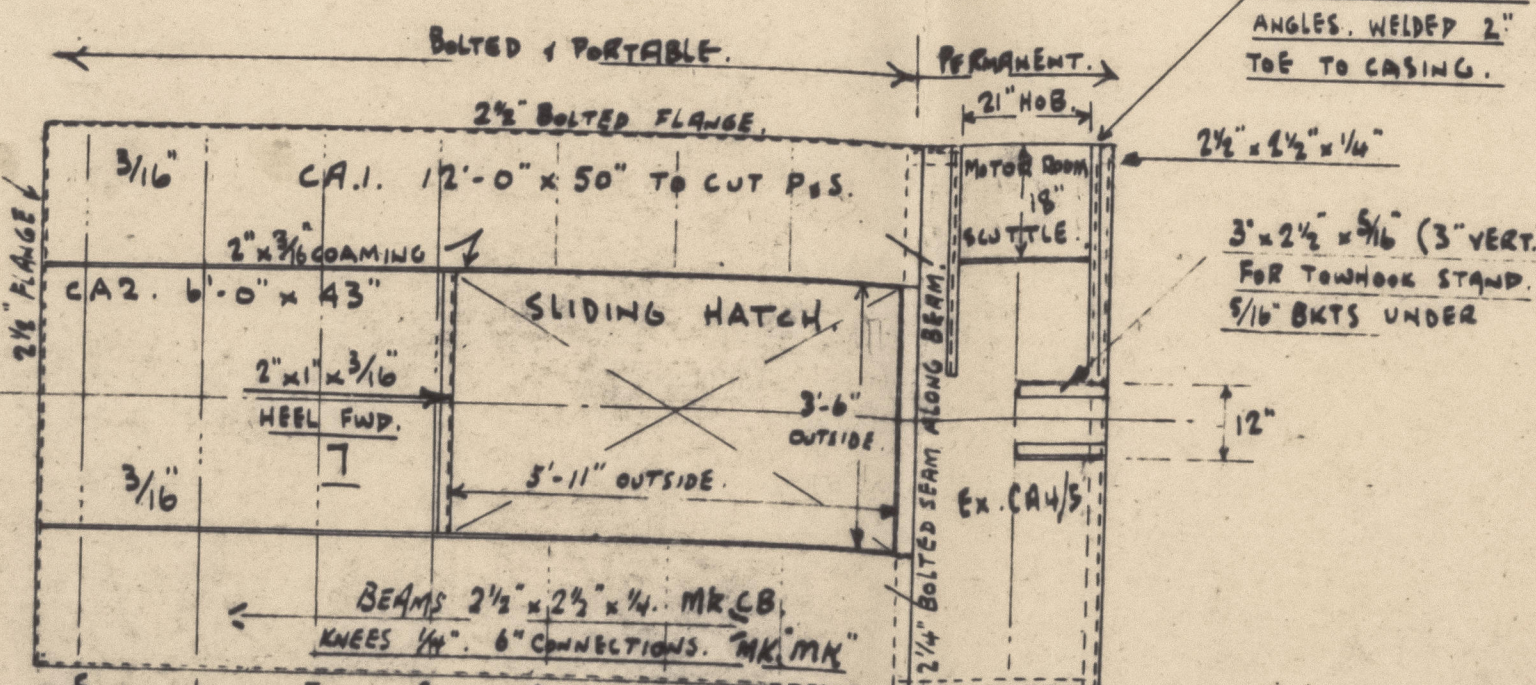
5" DIA

ELECTRIC WELDING CONT'D.

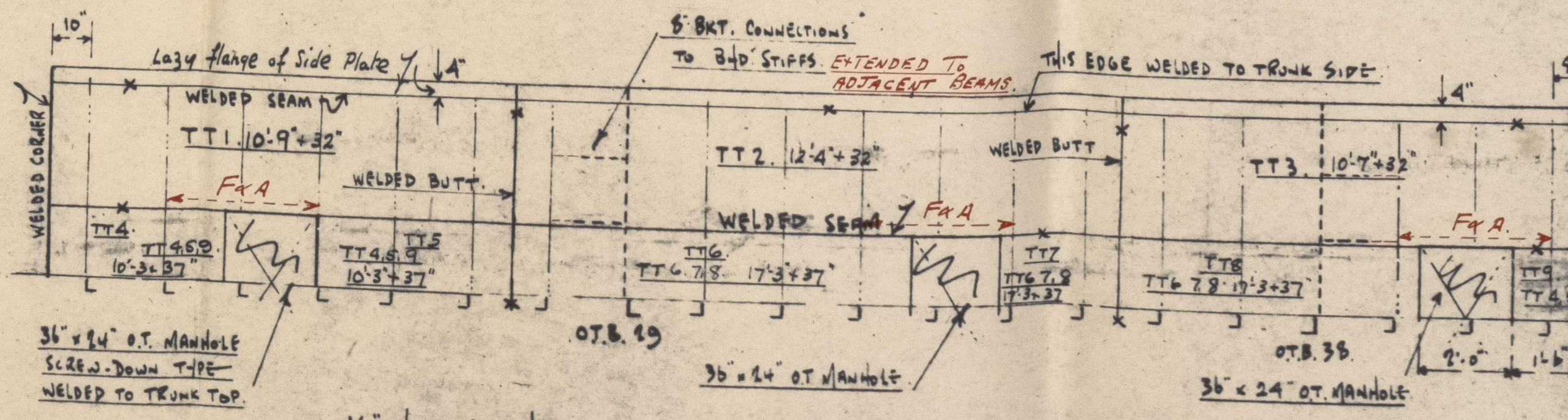
WASHPLATE BUTTS. SA BUTTS NO 8 RUN EACH SIDE. 11/16"
DECK BUTTS. SA BUTTS NO 6 RUN EACH SIDE. 11/16"



DETAIL PROFILE OF SLIDING HATCH.
HALF FULL SIZE.



PLAN VIEW: MOTOR CASING



PLAN VIEW :- TRUNK TOP

SHIP NO WS 1047-48 63-65		NAME:	
1.	DRAWING APPR.	TITLE:	
2.	CHECKED DES.	GENERAL STEELWORK PLAN	
3.	UNLESS SHOWN OTHERWISE	SCALE: 3/8" = 1'-0"	
ISSUE MOD. REVISION DATE:		DRAWN BY: JAMES W. COOK	
JAMES W. COOK & CO. (WIVENHOE) LTD WIVENHOE.		DRAWING NO 2014	

MOTOR TANK BARGES.

Nos. W.S. 1047-8, 63-65.

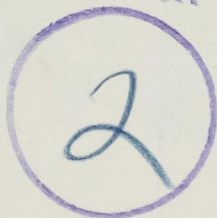
STEELWORK


SCALE: - $\frac{3}{8}$ " = 1 ft.

~ LLOYDS CLASS. ~

"A.1. BARGE" "CARRYING PETROLEUM IN BULK"
"FOR CANAL & ESTUARY SERVICE"

RECORDS DEPT.
LONDON



Swallow C 

Messrs. James. W. Cook & Co (Wivenhoe) Ltd

Yard Nos. 1063-4-5.

"Steelwork".



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Lloyd's Register

Foundation

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