

19.7.28

№ 125

SINGLE SCREW, TWIN GRAB, HOPPER DREDGER.

MIDSHIP SECTION

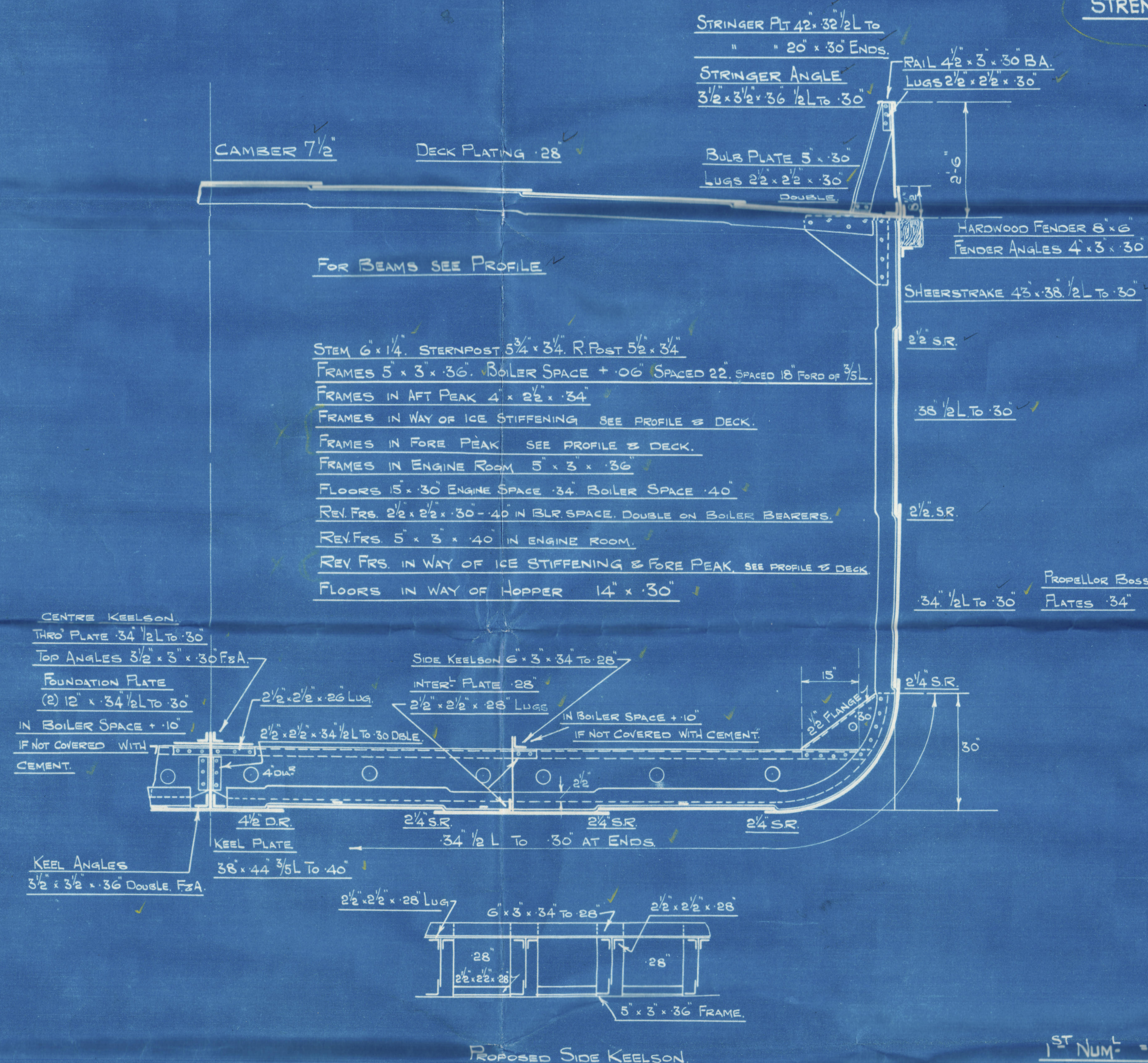
LENGTH 139'-6" B.P. x BREADTH 29'-6" M^{LD} x DEPTH 12'-9" M^{LD}

SCALE $\frac{1}{2}" = \text{ONE FOOT.}$

To CLASS 100 A1 "Twin Grab" HOPPER DREDGER ~~FOR SERVICE IN~~

~~NORTHERN CHINA~~

"STRENGTHENED FOR NAVIGATION IN ICE"



SCANTLING NUMERALS

$$1^{\text{ST}} \text{ NUM}^{\text{L}} = L \times B = 139.5' \times 12.75' = 1778.62$$

$$2^{nd} \text{ Num} = L \times (B + D) = 139.5(29.5' + 12.75') = 5893.87$$

$$\text{PROPORTIONS} = \frac{L}{D} = \frac{139.5}{12.75} = 10.94.$$

$d = 11.50$ ✓ IN HOLDS $d = 10.25$ ✓ IN ENG ROOM.

EQUIPMENT.

$$L(B+D) = 5893.870$$

HOUSE $(\overset{33 \times 6}{\cancel{38.25}} \div 2) = \overset{99}{\cancel{133.875}}$

EQUIPMENT NUMBER = ⁵⁹⁹³~~6027~~ 745

4 BOWER ANCHORS EACH 8CWTs - 1QR - 14LBS STOCKLESS

4 OFF. EACH 60 FMS. $\frac{5}{16}$ " STUD LINK CABLE.

75 FMS. 2 1/2" CIR. S.W.

90 Fms. 2" CIR. S.W.

BUTTS.
BUTTS OF KEEL PLATE T.R. TO D.R. AT ENDS.

- " " SHELL FROM KEEL TO STRAKE BELOW SHEERSTRAKE OR F3A.
- " " STRAKE BELOW SHEERSTRAKE OR F3A.
- " " SHEERSTRAKE OR F3A.
- " " STRINGER PLATE OR F3A.
- " " DECK OR TO SR.
- " " CR. THRO' PLATE & FOUNDATION PLATE OR
- " " HOPPER OR

SEAMS

- SEAMS OF KEEL PLATE D.R.
- " " SHELL ALL S.R. EXCEPT IN WAY OF ICE STIFFENING.
- " " STRINGER & DECK S.R.
- " " HOPPER S.R.

NUMBER OF RIVETS IN SEAMS OF PLATING BETWEEN FRAMES	8 @ $\frac{5}{8}$ " DIA ²	EX RIVETS IN FRAMES
" " " " " " " "	BEAMS 7 @ $\frac{5}{8}$ "	" " " " BEAMS

RIVETS IN ENO CONNECTIONS OF SHELL PLATING + DECK STRINGER PLATES $3\frac{1}{2}$ DIAM. CR. TO CR.

" " SEAMS OF SHELL PLATING F&A. BUTTS OF DECK 4 " " " "

" SEAMS OF DECK PLATING, SEAMS & BUTTS OF BULK^{HD} PLATING: } 4 1/2 DIA⁸⁵ CR TO CR

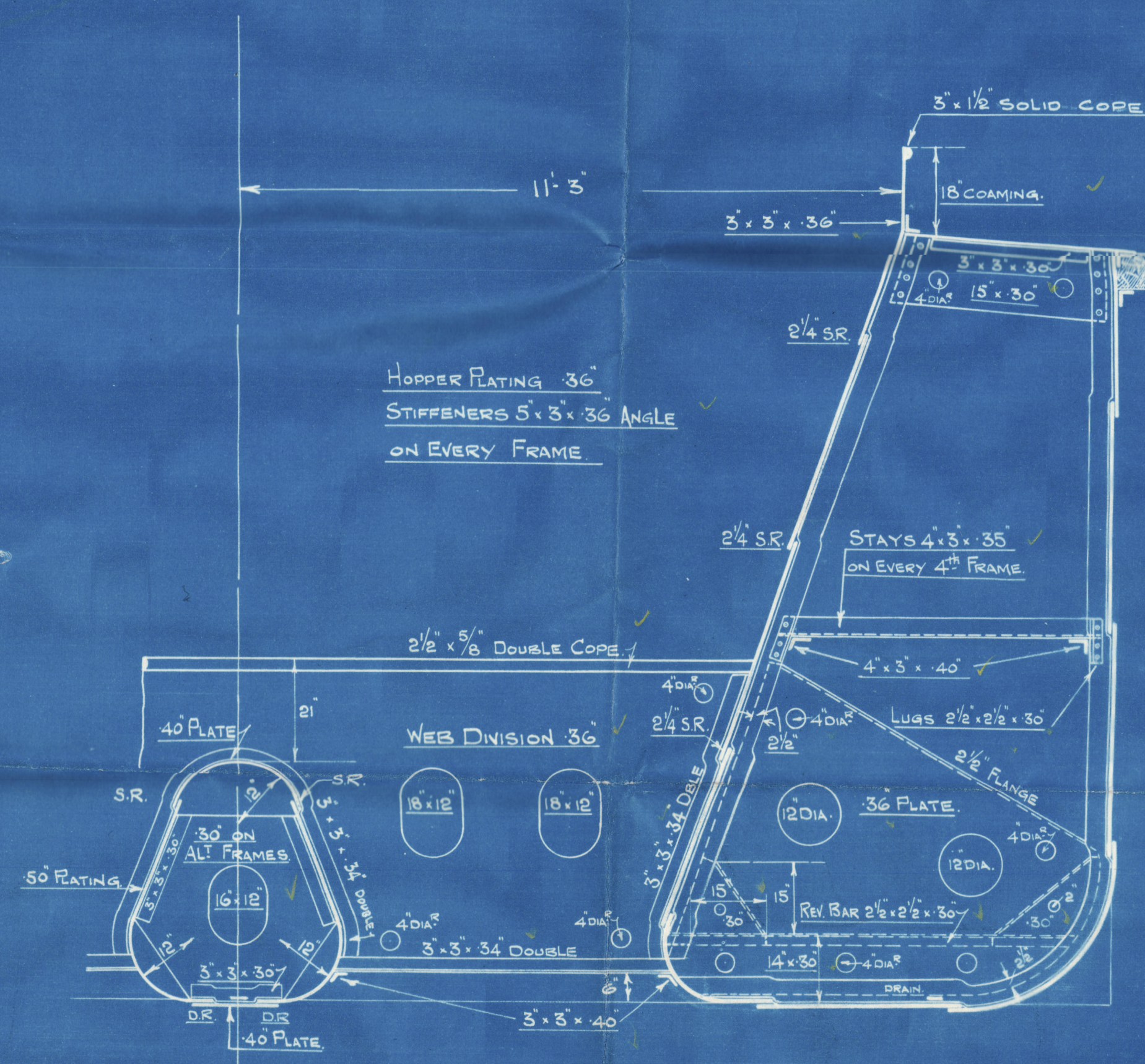
UPPER D^x STRINGER ANGLES, W.T. BULK^o FRAMES (BULK^o FLANGE)

" " FLAT KEEL ANGLES, W.T. BULK^{HD} FRAME (SHELL FLANGE) FLOORS & CROSS TIES IN
 AFTER BULK 5 DIAGS G7 = G7

AFTER PEAK 5 UAR: CR. TO CR. 5%
 P. LEE THURMAN FRANKS & SHELL FRANKS - FRANKS 3/5 FRANKS 17 1/2% 5%

RIVETS IN FRAMES & SHELL & FRAMES & FLOORS FORD, 5 LEN. / DIAR: CRT TO

RIVETS IN RAMES, KEY PERS., DOORS, KEELENS, BEAMS, 10H- STIFFENR. / DIAR: CR. 10 CR.



SECTION IN WAY OF HOPPER.

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Muss Henry Probb L^a
SS N^o 125

midship Section



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