

| EQUIPMENT NUMBER | | |
|-----------------------|---------------------|-------------|
| (A+D) x L | (51+29) x 370 | = 29,600.00 |
| FORECASTLE | 46.50 x 7.50 x 1/4" | = 261.56 |
| BRIDGE | 19.25 x 7.50 x 1/4" | = 108.28 |
| POOP | 96.25 x 7.50 x 1/4" | = 541.41 |
| DK HOUSE ON BRIDGE DK | 19.25 x 8.00 x 1/2" | = 77.00 |
| " " POOP | 60.50 x 8.00 x 1/2" | = 242.00 |
| " " UP BRIDGE | 19.25 x 8.00 x 1/2" | = 77.00 |
| EQUIPMENT NUMBER | 30,902.25 | |

| EQUIPMENTS | | |
|---|---------------------------|--|
| 3-BOWER ANCHORS (STOCKLESS TYPE) | 5.774 ^{lbs} EACH | |
| 1-STREAM ANCHOR (EX. STOCK) | 1,680 ^{lbs} | |
| 270 FATHOMS 2 1/2" DIA. STUD CHAIN CABLES | | |
| 1-90 FATHOMS 4 1/2" CIR. STEEL WIRE | | |
| 1-120 FATHOMS 4 1/2" CIR. STEEL WIRE | | |
| 2-90 FATHOMS 7" CIR. MANILA ROPE | | |
| 2-90 FATHOMS 7" CIR. MANILA ROPE | | |

| STRINGER PLATE AND ANGLE | | | |
|--------------------------|--------------------------|-----------------------|---------------|
| DECK | STRINGER PLATE | STRINGER ANGLE | RIV. AT BUTTS |
| UPPER DECK | SEE DECK PLAN | 6" x 6" x .81" A. | QUINTUPLE |
| | 17" x 40" AT BRIDGE ENDS | 3/2" x 3/2" x .40" A. | DOUBLE |
| | 14" x 36" AT POOP ENDS | 3/2" x 3/2" x .40" A. | DOUBLE |
| BRIDGE DK | 39" x 40" | 3/2" x 3/2" x .40" A. | DOUBLE |
| POOP DK | 34" x 36" | 3/2" x 3/2" x .40" A. | DOUBLE |

| DOUBLE BOTTOM | | | | | | | | | |
|---------------------|--------------------|------|------|-------------------|-----|------|---------------|-----|------|
| ITEMS. | RULE FRAME SPACING | | | 33" FRAME SPACING | | | RIV. AT BUTTS | | |
| CENTER GIRDER | 41" x 50" | 40" | 50" | 50" | 50" | 50" | 50" | 50" | 50" |
| SIDE GIRDERS (2) | 38" | 38" | 48" | 38" | 38" | 48" | 38" | 38" | 48" |
| MARGIN PLATE | 476" | 476" | 576" | 50" | 50" | 576" | 50" | 50" | 576" |
| TR. SIDE BRACKET | 445" | 445" | 545" | 48" | 48" | 545" | 48" | 48" | 545" |
| TR. TOP M.L. STRAKE | 44" | 44" | 54" | 48" | 48" | 54" | 48" | 48" | 54" |
| " OTHER | 44" | 44" | 54" | 48" | 48" | 54" | 48" | 48" | 54" |
| SOLID BRACKET PL. | 376" | 376" | 476" | 48" | 48" | 54" | 48" | 48" | 54" |

| SOLID FLOORS AT EVERY 3RD. FRAME EXCEPT IN ENGINE ROOM, UNDER BULKHEADS, UNDER BULKHEADS AND FORWARD 1/2 L. & WHERE AT EVERY FRAME PARTIAL SOLID FLOORS UNDER THRUST ANGLES. | | | |
|--|---------------------|---------------------|--------------------------------|
| ITEMS. | 1/2 L. & | ENDS. | ENG. BULKHEADS, ETC. |
| CR GIRDER TOP ANG. | 3" x 3" x .50" S.A. | 3" x 3" x .48" S.A. | 3" x 3" x .50" S.A. IN E. S. |
| " " BOTTOM | 4" x 4" x .54" S.A. | 4" x 4" x .50" S.A. | 4" x 4" x .54" S.A. UNDER A.B. |
| " " VERTICAL | 3" x 3" x .40" S.A. | 3" x 3" x .36" S.A. | 3" x 3" x .40" S.A. UNDER A.B. |
| SIDE GIRDER TOP ANG. | 3" x 3" x .50" S.A. | 3" x 3" x .48" S.A. | 3" x 3" x .50" S.A. UNDER A.B. |
| " " BOTTOM | 3" x 3" x .50" S.A. | 3" x 3" x .48" S.A. | 3" x 3" x .50" S.A. UNDER A.B. |
| " " VERTICAL | 3" x 3" x .40" S.A. | 3" x 3" x .36" S.A. | 3" x 3" x .40" S.A. UNDER A.B. |
| MARGIN ANGLE | 3" x 3" x .48" S.A. | 3" x 3" x .44" S.A. | 3" x 3" x .48" S.A. UNDER A.B. |
| CR ON SOLID FLOOR | 3" x 3" x .40" S.A. | 3" x 3" x .36" S.A. | 3" x 3" x .40" S.A. UNDER A.B. |
| REV. CR ON | 3" x 3" x .40" S.A. | 3" x 3" x .36" S.A. | 3" x 3" x .40" S.A. UNDER A.B. |

| SHELL PLATING | | | | |
|-------------------|--------------------|-------------------|---------------|-----------------|
| ITEMS. | RULE FRAME SPACING | 33" FRAME SPACING | RIV. AT BUTTS | NOTE |
| STRAKE A.B.C.D. | 575" | 46" | 63" | 30700 LBS. TANK |
| " E.F.G. | 575" | 44" | 63" | " |
| " H. | 70" x 81" | 44" | 70" x 81" | QUADRUPLE |
| BUSING PLATE | 66" | 40" | 40" | DOUBLE |
| BRIDGE SIDE PLATE | 40" | 40" | 40" | DOUBLE |
| POOP | 37" | 37" | 37" | " |

STRAKES A.B.C. TO BE MAINTAINED MIDSHIP THICKNESS .58" TO RULE POSITION OF COLLISION BULKHEAD (CR. NO. 137).

NOS 1124-5. MIDSHIP SECTION. SCALE 1/2" IN. TO 1 FT.

TO CLASS "TEISHINSHO" 1ST CLASS HEAVY DECKER
& LLOYD'S +100 A.I.

| PRINCIPAL DIMENSIONS | |
|-------------------------|---------|
| LENGTH BETWEEN P.P. | 370'-0" |
| BREADTH MOULDED | 51'-0" |
| DEPTH MO. (TO UP. DECK) | 29'-0" |

| SCANTLING NUMERALS | |
|-------------------------------------|-----------|
| L. | 370.00 |
| D. | 29.00 |
| L x D. | 10,730.00 |
| B. | 51.00 |
| D. | 29.00 |
| B x D. | 80.00 |
| L. | 370.00 |
| L x B x D. | 29,600.00 |
| LD TO UPPER DECK | 12.76 |
| D. (IN VIEW OF LARGER MARGIN BUTTS) | 25.00 |
| SUPERSTRUCTURE TO SHIP'S LENGTH | 44.90 |

| FORGING & CASTING | |
|-------------------|--|
| STEM | 9 1/2" x 2 1/4" FORGED OR ROLLED STEEL |
| PROPELLER POST | 10 1/2" x 7" CAST STEEL |
| RUDDER POST | 9" x 7 1/4" CAST STEEL |

| BULKHEAD PLATE | |
|----------------|---------------------------------------|
| RAIL | 6" x 8" x .36" B.A. |
| STAY | 6" x 3" x .36" A. |
| SPACED | 6'-0" APART & 5'-0" AT ENDS OF BRIDGE |

SHEER STRAKE 70" x 81" 24" AT ENDS TO BE STRENGTHENED AT BRIDGE AND POOP ENDS

DEPTH MOULDED 29'-0"

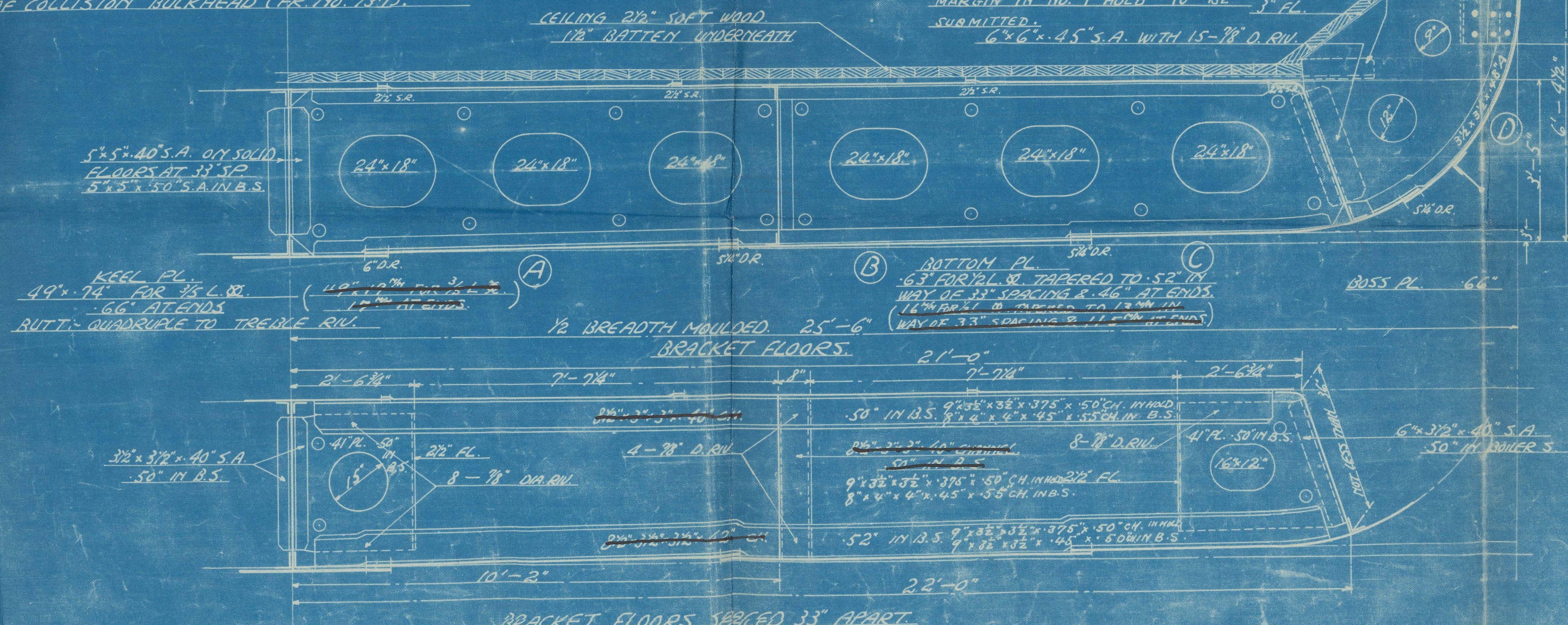
15-7/8" DIA. RIVETS

| NOS 1-5 HATCHES | |
|-------------------|-----------------------|
| WEB PLATES SPACED | 5'-0" |
| WEB PLATES | 22" x 38" AT CR. |
| 4 KNEES | 1" x 1 1/2" x .50" A. |
| HATCH COVERS | 2 1/2" THICK |

DECK PLATING & BEAMS AS PER DECK PLAN.

| FRAMING | |
|---|---|
| 24" | IN PEAKS. |
| 27" | FORWARD 1/2 L. & TO COLLISION AND |
| 33" | ELSEWHERE |
| HOLD FRAMES REV. | FR. 2" x 3" x .48" A. (8" x 33" x .43" A.) |
| DEPTH 14'-2" | WHERE 33" SPACED. |
| " | FR. 2" x 3" x .48" A. (10" x 33" x .43" A.) |
| DEPTH 14'-2" | WHERE 27" SPACED. |
| PEAK FRAMES | 7 1/2" x 3" x .34" B.A. |
| BRIDGE DECK SIDE FRAMES | 6" x 3" x .32" B.A. |
| AT EVERY FRAME | |
| POOP DECK SIDE FRAMES | 7" x 3" x .34" B.A. |
| AT ACT. FRAMES | |
| INTERMEDIATE FRAMES | 5 1/2" x 3" x .34" A. |
| BRACKETED AT POOP AND UPPER DECK | |
| POOP DECK SIDE FRAMES (ALT. FRAMES) | 7" x 3" x .34" B.A. |
| & 7 1/2" x 3" x .36" B.A. AT 24" & 33" SPACING RESPECTIVELY | |
| INTERMEDIATE FRAMES | 5" x 3" x .34" A. & 5 1/2" x 3" x .34" A. |
| AT 24" & 33" SPACING RESPECTIVELY | |
| ALL FRAMES | SCARPHED OR BRACKETED. |

GUSSET ANGLE 5" x 6" x .48" A. ON EVERY FRAME. 6-7/8" DIA. RIV. DETAIL OF TANK SIDE BRACKETS & MARGIN IN NO. 1 HOLD TO BE 3" FL. SUBMITTED. 6" x 6" x .45" S.A. WITH 15-7/8" DIA. RIV.



Approved by Lloyd's
Feb. 23, 1928.
J. J. Cox. (Signed)

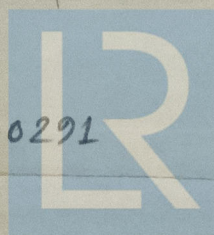
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|-----------|----|--------|------|
| 株式會社大阪鐵工所 | | 造船部設計課 | |
| 部長 | 課長 | 調査 | 製圖寫圖 |
| | | 河 | 山 |
| 關係課 | | 圖面 | 番號 |
| | | 3 | |
| | | 工事區分 | |



S.S. BUJUN MARU
Midship Section (as built)
Kobe Report no. 6426

RETAIN

01307-0291



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Foundation