

# M.S. "CHOJO MARU." MIDSHIP SECTION. SCALE 1/2" TO ONE FOOT.

| PRINCIPAL DIMENSIONS                |     |        |
|-------------------------------------|-----|--------|
| LENGTH                              | (L) | 78' 6" |
| BREADTH                             | (B) | 45' 6" |
| DEPTH (MOULDED TO UPPER DECK)       | (D) | 23' 0" |
| LOADED DRAUGHT ABOVE BOTTOM OF KEEL |     | 20' 0" |

| SCANTLING NUMERALS              |   |       |
|---------------------------------|---|-------|
| 1ST LONGITUDINAL NUMERALS       | L x D = 284.5 x 23 = 6533.5                 |       |
| 2ND " "                         | L x (B x D) = 284.5 x (45.5 x 23) = 29488.9 |       |
| PROPORTION                      | 1/10 DEPTH TO UP. DECK                      | 12.3  |
|                                 | " " BRIDGE DECK                             | 9.75  |
| FRAMING DEPTH IN WAY OF 2ND DS. | (d)   | 12.25 |
| WHERE NO 2ND DS.                | (d)   | 20.0  |

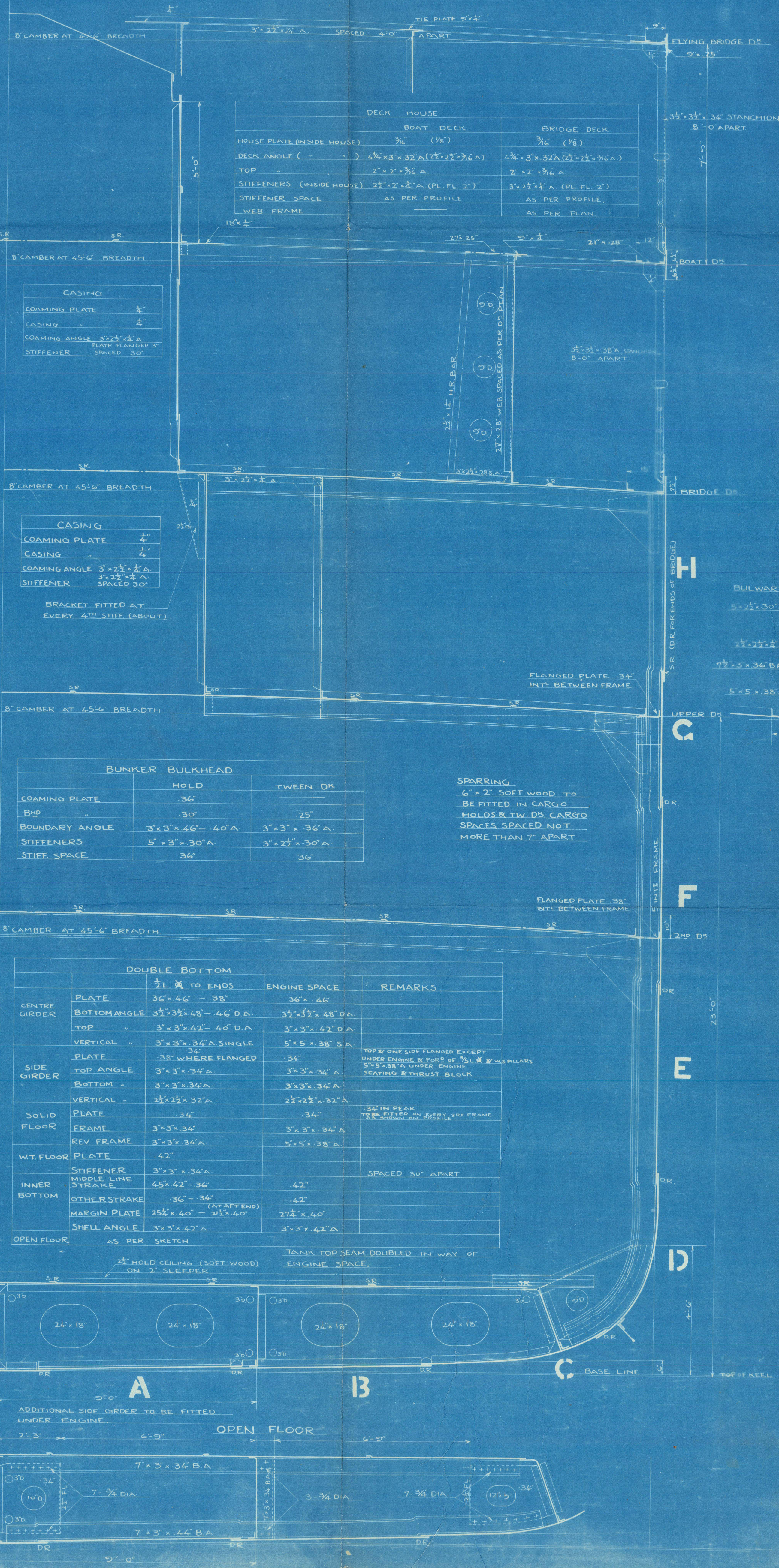
| CASTING & FORGING                     |              |             |
|---------------------------------------|--------------|-------------|
| STEM                                  | FORGED STEEL | 9' x 25"    |
| STERN FRAME WITH APERTURE RUDDER POST |              | 8' x 5 1/2" |
| PROPELLER                             |              | 9' x 5 1/2" |

| FRAMINGS        |                |  |
|-----------------|----------------|--|
| AS PER PROFILE. |                |  |
| FRAME SPACE     | 24" ELSEWHERE. |  |

| KEEL & SHELL PLATING                 |  |  |
|--------------------------------------|--|--|
| KEEL PLATE                           | 45' x 60' x 5/16"  |  |
| BOTTOM PLATE                         | 48' x 40' x 1/2"   |  |
| SIDE PLATE                           | 48' x 40' x 1/2"   |  |
| (1/2" L. ABOARD THE STEM)            | 48' x 40' x 1/2" FROM 8' 0" WATER LINE UP TO THE 2ND DS. OR THEREABOUT |  |
| BOSS PLATE                           | 54"  |  |
| PLY. SIDE PLATE                      | 34"  |  |
| BRIDGE SIDE PLATE                    | 48"  |  |
| POOP SIDE PLATE                      | 34"  |  |
| SHEER STRAKE (IN WAY OF LONG BRIDGE) | 48' x 60' x 1/2"   |  |
| BELOW STRAKE                         | 48' x 36' x 1/2"   |  |

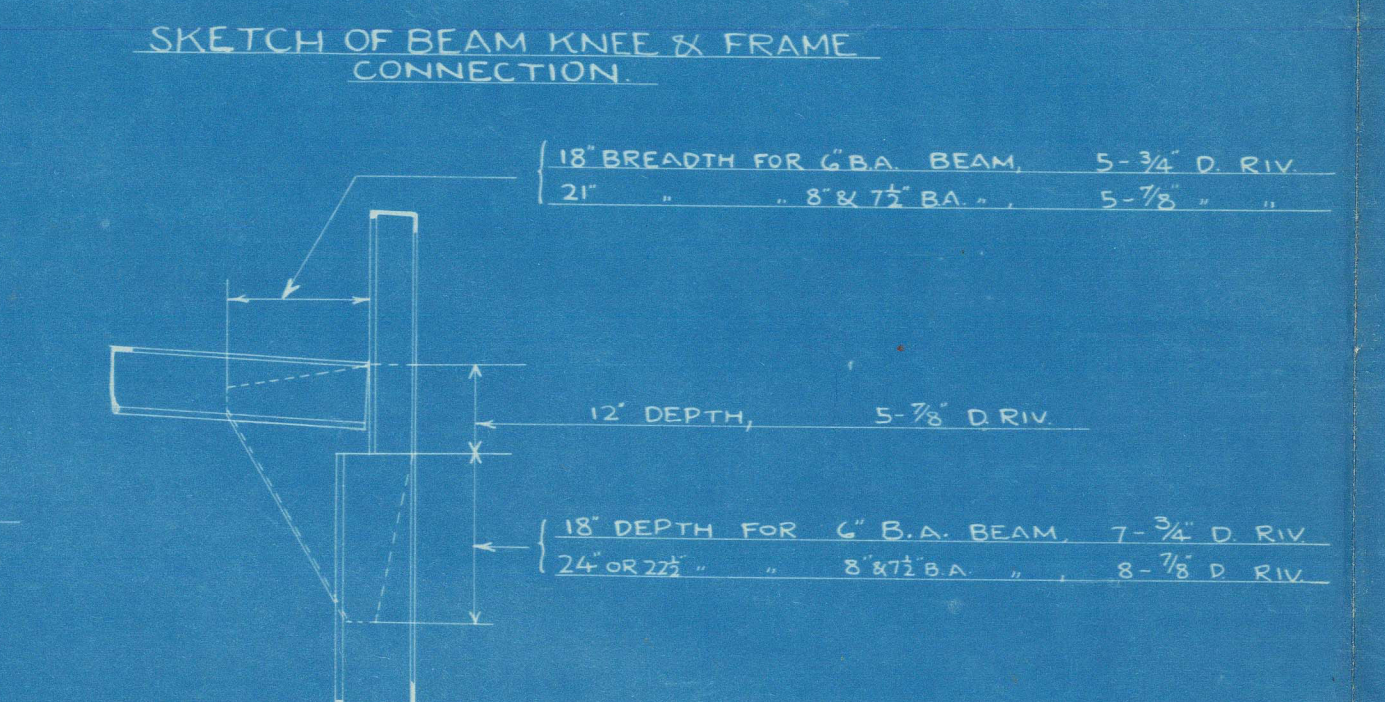
| RIVETING NOTE                   |                |             |
|---------------------------------|----------------|-------------|
| END CONNECTION                  | FOR 1/2" L. M. | ENDS        |
| FLAT KEEL PLATE                 | LAPPED 3 R.    | LAPPED 3 R. |
| SIDE PLATE                      | " " " " " "    | " " " " " " |
| BOTTOM PLATE                    | " " " " " "    | " " " " " " |
| SHEER STRAKE                    | 4 R.           | " " " " " " |
| STRAKE BELOW SHEER STRAKE       | 3 R.           | " " " " " " |
| BRIDGE SIDE PLATING             | " " " " " "    | " " " " " " |
| POOP                            | " " " " " "    | 1 R.        |
| INNER BOTTOM MIDDLE LINE STRAKE | 2 R.           | 1 R.        |
| OTHER PLATE                     | 2 R.           | 1 R.        |
| MARGIN PLATE                    | " " " " " "    | 2 R.        |
| CENTRE GIRDER PLATE             | 3 R.           | 2 R.        |
| POOP DECK STRINGER PLATE        | " " " " " "    | 1 R.        |
| BRIDGE DECK STRINGER PLATE      | 3 R.           | 2 R.        |
| FEEL DECK STRINGER PLATE        | " " " " " "    | 1 R.        |
| UPPER DECK STRINGER PLATE       | 3 R.           | 2 R.        |
| 2ND DECK STRINGER PLATE         | 1 R.           | 1 R.        |
| BOAT DECK STRINGER PLATE        | 1 R.           | 1 R.        |
| TIE PLATE                       | 1 R.           | " " " " " " |

| BILGE KEEL      |   |  |
|-----------------|---|--|
| LENGTH          | ABOUT 110' 0" AMIDSHIPS.                        |  |
| BULB PLATE      | 7' x 40' x 3/8" SHELL ANGLE 3 1/2 x 3 1/2 x 40° |  |
| DEPTH OF GIRDER | 10"   |  |



| EQUIPMENT NUMBER  |                        |                        |
|-------------------|------------------------|------------------------|
| L x (B x D)       | 284.5 x (45.5 x 23)    | = 15488.25             |
| FCLE DECK         | 35.75 x 7.75 = 277.48  |                        |
| BRIDGE DECK       | 102.00 x 7.75 = 790.50 | 1258.13 x 3/4 = 943.60 |
| POOP DECK         | 28.71 x 7.75 = 222.50  |                        |
| BRIDGE DECK HOUSE | 94.00 x 8.0 = 752.00   | 1323.50 x 1/2 = 661.75 |
| BOAT              | 74.00 x 7.75 = 573.50  |                        |
|                   |                        | 21,034.60              |

| EQUIPMENTS                   |                     |            |
|------------------------------|---------------------|------------|
| 2 BOWER ANCHORS STOCKLESS    | 4796 LBS            | EACH       |
| 1 BOWER ANCHOR               | 3976 LBS            |            |
| 1 STREAM                     | ORDINARY (EX STOCK) | 1,232 LBS  |
| CHAIN CABLE                  | 240 FM              | 1 1/2 DIA. |
| STEEL WIRE FOR STREAM ANCHOR | 75 FM               | 4 1/2 C.   |
| TOW LINE                     | STEEL WIRE          | 100 FM.    |
| HAWERS                       | MANILA              | 2 - 50 FM. |
| WARPS                        | MANILA              | 2 - 50 FM. |



| DECKS            |                        |                        |                    |
|------------------|------------------------|------------------------|--------------------|
| STRINGER PLATE   | 28' x 32"              | 28' x 32"              | 50' x 42"          |
| ANGLE            | 3' x 3' x 3/8"         | 3' x 3' x 3/8"         | 3' x 3' x 3/8"     |
| GUTTER WATERWALL | 2 1/2' x 3 1/2' x 3/8" | 2 1/2' x 3 1/2' x 3/8" | 3' x 2 1/2' x 3/8" |
| DECK PLATE       | 30"                    | 30"                    | 30"                |
| DECK PLANK       | 3' O.P.                | 3' O.P.                | 3' O.P.            |
| CURTAIN PLATE    | AS PER PLAN.           | AS PER PLAN.           | AS PER PLAN.       |

| DECKS            |                        |                        |                    |
|------------------|------------------------|------------------------|--------------------|
| STRINGER PLATE   | 44' x 38' x 3/8"       | 44' x 38' x 3/8"       | 44' x 38' x 3/8"   |
| ANGLE            | 3' x 3' x 3/8"         | 3' x 3' x 3/8"         | 3' x 3' x 3/8"     |
| GUTTER WATERWALL | 2 1/2' x 3 1/2' x 3/8" | 2 1/2' x 3 1/2' x 3/8" | 3' x 2 1/2' x 3/8" |
| DECK PLATE       | 34"                    | 34"                    | 34"                |
| DECK PLANK       | 3' O.P.                | 3' O.P.                | 3' O.P.            |
| DECK BEAM KNEE   | AS PER PLAN.           | AS PER PLAN.           | AS PER PLAN.       |

| FRAME BRACKET & MARGIN PLATE CONNECTION  |                |                |                |
|--|----------------|----------------|----------------|
| TANK SIDE BRACKET                        | 38"            | 40"            | 38"            |
| GUSSET ANGLE                             | 3' x 3' x 3/8" | 3' x 3' x 3/8" | 3' x 3' x 3/8" |
| NO OF RIV. ON GUSSET ANGLE ON EACH ARM   | 5-3/8" DIA.    | 5-3/8" DIA.    | 5-3/8" DIA.    |
| VERY AND CORNER MARGIN PL. TO FR. DIS.   | 3' x 3' x 3/8" | 3' x 3' x 3/8" | 3' x 3' x 3/8" |
| MARGIN PLATE SHELL ANGLE                 | 3' x 3' x 3/8" | 3' x 3' x 3/8" | 3' x 3' x 3/8" |
| NO OF RIV. ON SIDE FRAME & FRAME BRACKET | 3' x 3' x 3/8" | 3' x 3' x 3/8" | 3' x 3' x 3/8" |

| W.T. BULKHEADS |  |  |
|----------------|--|--|
| AS PER PLAN.   |  |  |

| STRENGTHENING OF BOTTOM FORWARD   |  |  |
|---|--|--|
| FOR FORWARD OF 3/4" L. M. TO COLLISION B.M.   |  |  |
| PITCH OF RIV. IN FRAME TO BE 5 1/2" DIA.  |  |  |
| FRAME ANGLE 5' x 5' x 3/8" FROM MARGIN PLATE TO MARGIN PLATE.                         |  |  |
| INTERCOSTAL ADDITIONAL SIDE GIRDER TO BE FITTED AT 8' 0" APART AND 1/2" HEIGHT        |  |  |
| GIRDER EXTENDING AS FAR AS PRACTICABLE  |  |  |
| FLOOR PLATES OR INTERCOSTALS ARE NOT TO BE FLANGED.                                   |  |  |
| SHELL PLATING THREE STRAKES NEXT THE KEEL TO HAVE MIDSHIP THICKNESS (46") MAINTAINED. |  |  |

S.N. 424  
M.S. "CHOJO MARU"  
MIDSHIP SECTION.  
(FINISHED) PLAN.  
SCALE 1/2" = 1' F.I.





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