R.M.S. "MAURETANIA"

MIDSHIP SECTION

SCALE ½" = ONE FOOT

DIMENSIONS 760' × 87'-6" Mld × 60'-6" Mld TO SHELTER D.K.

BOAT DECK
CAMBER 18

PROMENADE DECK
CAMBER 18

SHELTER DECK
CAMBER 18

UPPER DECK
CAMBER 6

MAIN DECK
CAMBER 6

LOWER DECK PLATING (CAMBER 6)

BEAMS

NOTE:- THE SIZES OF THE BEAMS ARE GIVEN FOR A SPAN CORRESPONDING TO LENGTH OF BEAMS AMIDSHIPS NEARER THE ENDS & WHERE INTERMEDIATE SUPPORTS REDUCE THE SPAN, THE SIZE OF BEAMS WILL BE REDUCED IN PROPORTION. (SEE DECK PLANS)
BEAM KNEES NOT LESS THAN 30 AT ENDS OF VESSEL

PILLARS

PILLARS AMIDSHIPS. 4 ROWS SPACED GENERALLY 3 FRAME SPACES APART FOR PILLARS AT ENDS. SEE PILLAR & DECK PLANS
RIVETS IN HEADS 3 IN 5' PILLAR + 2 IN 4½" P. OF FEET 4 . 5 . 2 6½

STRONG PILLARS
PLATE 18 × 5/20
4 ANGLES 6½ × 4½ × 13/20
FOR POSITION SEE PROFILE

RIVETS THROUGH FRAMES & PLATING TO BE NOT MORE THAN 6 DIA.S APART & 3 DIA.S BETWEEN LOWER D.K & MARGIN PLATE
RIVETS IN THE LANDING EDGES OF PLATING TO BE NOT MORE THAN 4 DIAS. APART C TO C LANDING EDGES FROM MARGIN PLATE TO UPPER DECK TO BE TREBLE RIVETED
ALL FORE & AFT.

BOAT DECK PLATING 5/20
SEAMS & BUTTSTRAPS SINGLE RIVETED

PROMENADE DECK PLATING 8/20
SEAMS & BUTTSTRAPS DOUBLE RIVETED

SHELTER DECK PLATING 8/20
SEAMS & BUTTSTRAPS DOUBLE RIVETED

UPPER DECK PLATING 8/20
SEAMS & BUTTSTRAPS DOUBLE RIVETED

MAIN DECK PLATING 8/20
SEAMS & BUTTSTRAPS DOUBLE RIVETED

LOWER DECK PLATING 8/20
SEAMS & BUTTSTRAPS DOUBLE RIVETED

HIGH TENSILE STEEL
FOR THICKNESSES & EXTENT OF H.T.S. SEE ARRANGEMENT OF SHELL & DECK PLATING & DOUBLINGS. DATED 29.5.05

ROLLING MARGIN
THE THICKNESS OF PLATES & BARS TO BE AS NEAR AS POSSIBLE TO THE APPROVED THICKNESS, BUT IN NO CASE TO BE MORE THAN 5/100 OF AN INCH BELOW THE SPECIFIED SCANTLING
THE THICKNESS MAY BE TAKEN AT A MOULDING THE MIDDLE OF THE PLATE IF NECESSARY

TRANSVERSE WATERTIGHT BULKHEADS

FROM TANK TOP TO OPLOF D.K. PLATES HIGH TENSILE STEEL 10/20 OR 11/20 M.D STEEL PLATED HORIZONTALLY VERTICAL STIFFENERS TO OPLOF DECK. PLATE 16 TO 15 × 5/20 WITH 2 BARS ON EDGE 3½ × 3½ × 18/20 & SINGLE BAR TO BULKHEAD 3½ × 3½ × 8/20
AT ENDS WHERE OPLOF D.K IS LAID WITH CLOSE RIVETING
OPLOF TO LOWER D.K PLATES HIGH TENSILE STEEL 8/20
VERTICAL STIFFENERS CHANNELS 14 × 3½ × 3½ × 18/20 FOR 9'-3 SPAN
BULB ANGLES 14 × 3½ × 13/20 8'-6
LOWER TO MAIN D.K PLATES HIGH TENSILE STEEL 8/20
VERTICAL STIFFENERS BULB ANGLES 6 × 3 × 8/20
MAIN TO UPPER D.K PLATES HIGH TENSILE STEEL 8/20
VERTICAL STIFFENERS ANGLES 4½ × 3 × 10/20 OR PLATES FLANGED
ALL STIFFENERS 2'-6 CENTRE TO CENTRE
PLATE KNEES TO STIFFENERS TOP & BOTTOM TO LOWER DECK
ABOVE LOWER D.K IN WAY OF PASSENGER ACCOMMODATION
ANGLE LUGS IN LIEU OF PLATE KNEES TO STIFFENERS WITH DECK BAR 5 × 5 × 20
DOUBLE ANGLES 4½ × 4½ × 13/20 JOGGLED
ROUND BARS TO STIFFENERS WHERE NO OPLOF DECK IS LAID SEE SEPARATE PLAN

TANK TOP PLATING
WHERE UNDER BOILERS 9/20 FOR 5'L & 15/20 TO 18/20 AT ENDS (EXCEPT TRIPLE RIVETED OTHERWISE SHEWN) BUTTS QUADRUPLE RIVETED FOR 300 FT & ENDS EDGES DOUBLE RIVETED EXCEPT CENTRE STRAKE

STRONG BEAMS 15 DEEP D.K
SEE PROFILE

FRAMES CHANNELS 10 × 6 × 10/20 WEB 23/40 FLANGES
AT ENDS 9 × 4 × 10/20
BULKHEAD FRAMES DOUBLE ANGLES 4 × 4 × 13/20
FRAME SPACING AS PER PROFILE
FRAMES AT FORE END DOUBLED FROM MARGIN PLATE TO LOWER OPLOF DECK WITH ANGLE 4½ × 4 × 10/20 JOGGLED (SEE PROFILE)

REVERSE FRAMES FROM MARGIN PLATE TO LOWER OPLOF STRINGER 6 × 4 × 10/20

OUTER KEEL PLATE 50 × 15/20
MIDDLE 36½ × 13/20
INNER 28 × 5/20 FOR ¾ L &
NO OUTSIDE STRAPS
BUTTS TO BE CAREFULLY SHIFTED

STEM 12 × 4½

BOTTOM PLATING FROM KEEL TO ABOVE BILGE TO HAVE DOUBLE STRAPS AS PER SKETCH INSIDE STRAPS T.R. OUTSIDE STRAPS FOR 300 FT & LAPPED BEFORE & ABAFT THIS QRS. D.R ABAFT THIS Q.R. & T.R

THE THICKNESS OF THE BOTTOM PLATING TOWARDS THE ENDS TO DEPEND UPON THE FORM & SPACING OF FRAMES.
HYDRAULIC SHELL RIVETING WITHIN THE RANGE OF THE DOUBLE BOTTOM WHEREVER PRACTICABLE.

METHOD OF RIVETING TREBLE RIVETED SHELL SEAMS (1⅛ RIVETS)

CUNARD STEAMSHIP CO. LIMITED
ROYAL ARCHITECT'S OFFICE
WATER STREET, LIVERPOOL
DATE 3-12-07
NO. OF DRG. 3042

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Midship Section

of S.S. "Mauretania"

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