RUSSEL BROTHERS LIMITED
OWEN SOUND, ONTARIO

REVISED SO'G, DIES & LAST J/C

SCALE 3/4 = 1'-0" | W.T. | CAN 13 R.D.

DRAWN BY A.P.S. | 25-G

CHECKED

APPROVED BY BRITISH CORPORATION JAN. 29 1944

W.T. & OT. BULKHEADS

CAMBER 4" IN 20 FT

BOUNDARY BAR 1/2 X 3 F

1/2

5 X 3 1/2 X 5/16 ∠

STIFFENERS 3/8 X 3 F

48" PLATE

1/8

24

23

18

48" PLATE

30

STIFFENERS 3X3X5/16 ∠

24

HINGED W.T. DOOR

18

23

5'-10"

DOOR OPENING

FRESH WATER TANK

TOP OF FLOOR

FAIRBODY LINE

W.T. BULKHEAD FRAME #43
LOOKING FWD
BULKHEAD 1/4 PLATE

KEEL 1 1/4 X 8 F

CAMBER 4" IN 20 FT

BOUNDARY BAR 1/2 X 3 F

1/4

1/8

24

25

STIFFENERS 1/2 X 4 F

22

STIFFENERS 3X3X5/16 ∠

22

1/2 PLATE

6

5X3 1/2 X 5/16 ∠

25

1/2

BULKHEAD PLATE

BOUNDARY BAR

2X9 F KEEL

3/8 PLATE WELDED TO HULL TO MAKE BULKHD WATERTIGHT

1/2 PIPE WELDED INTO BULKHD WATER TIGHT

5X3 1/2 X 5/16 ∠ STIFFENERS

BOTTOM VIEW

W.T. BULKHEAD FRAME #6
LOOKING FWD
BULKHEAD 3/8 PLATE

3 PLATE MAKES BULKHEAD 2X9 F STERNFRAME

BULGE OUT LINE

SECTION-XX
TYPICAL SECTION THROUGH BULKHEAD
PLATE & BOUNDARY BAR

NELDING SIDE OF BOUNDARY BAR TO PLATE - 1/4 FILLET

STIFFENERS TO PLATE CONTINUOUS WELDS - BOTH SIDES - 5/16 FILLET

PLATE BUTTS-CONTINUOUS WELDS-BOTH SIDES-5/16 FILLET

BULKHEAD TO PLATE

CAMBER 4" IN 20 FT

CAMBER 4" IN 20 FT

BOUNDARY BAR 1/2 X 3 F

RISE 1/2 IN 1 FT

4 RUNS

3/4 ROUND

48 PLATE

51

51

51

22

25

1/4

1/8

STIFFENERS 3X3X5/16 ∠

48 PLATE

24

12

37

22

CABIN LOCKER BULKHEAD ON FORD SIDE

17

STIFFENERS 3X4 F

FRESH WATER TANK TOP

1 1/2

0'-4"

FAIRBODY LINE

W.T. BULKHEAD FRAME #47
LOOKING AFT
BULKHEAD 1/4 PLATE

1/2 X 3 F BOUNDARY BAR

SECTION-XX
TYPICAL SECTION THROUGH BULKHEAD
PLATE & BOUNDARY BAR

CAMBER 4" IN 20 FT

BOUNDARY BAR 1/2 X 3 F

3/4 ROUND

3 RUNS

6 HOLES FOR 2 BULKHD FLANGE

22

12

12

51

51

1/8

1/4

STIFFENERS 3/8 X 3 F

48 PLATE

24

12

24

48 PLATE

3/4 DIA 1/4 DOUBLER WELDED ON FORD SIDE

1/2 DRAIN PIPE WELDED INTO BULKHD

3/4 PLATE

50

STIFFENERS 3/8 X 4 F

STIFFENERS 3X3X5/16 ∠ 48" PLATE

O.T. BULKHD ON FORD SIDE-P&S

5X3 1/2 X 5/16 ∠

43 3/8" HOLE FOR BULKHEAD FLANGE

HOLE TO SUIT STEAM TUBE

1/2 PLATE

W.T. BULKHEAD FRAME #10
LOOKING FWD
BULKHEAD 5/16 PLATE

FAIRBODY LINE

CHECK ON SHIP

46 3/4

3/16

KEEL 1 1/4 X 10 F

25

CAMBER 4" IN 20 FT

3 DIA

24

FAIRBODY LINE

W.T. BULKHEAD FRAME #32
LOOKING AFT
BULKHEAD 5/16 PLATE

CAMBER 4" IN 20 FT

BOUNDARY BAR 1/2 X 3 F

STIFFENERS 3/8 X 3 F

STIFFENERS 3X3X5/16 ∠

O.T. BULKHD ON PORT SIDE P&S

5X3 1/2 X 5/16 ∠

48 PLATE

24

12

24

48 PLATE

24

12

24

3 BRKT

W.T. & O.T. BULKHEAD FRAME #50
LOOKING AFT
BULKHEAD 5/16 PLATE

KEEL 1 1/4 X 8 F

1/2

1/4

1/8

STIFFENERS

BULKHEAD PLATE

SECTION-XX
TYPICAL SECTION THROUGH BULKHEAD
PLATE & BOUNDARY BAR

CAMBER 4" IN 20 FT

STIFFENERS 3X3X5/16 ∠ ROUND

3/4

1/2

5X3 1/2 X 5/16 ∠ BACK TO BACK

36 PLATE BOUNDARY BAR 1/2 X 3 FLAT

3 X 4 F STIFFENERS

4-3/4 RIVETS

CHAIN LOCKER BULKHD

1 1/2

1 7/8 DRILL

2 1/2

1/4 DOUBLING PLATE

SECTION-XX
DETAIL OF ANCHOR CHAIN SHACKLE BRACKET
SCALE 6"=1'

STIFFENER

BULKHEAD PLATE

FRESH WATER TANK

FAIRBODY LINE

W.T. BULKHEAD FRAME #50
LOOKING AFT
BULKHEAD 5/16 PLATE

KEEL 1 1/4 X 8 F

CAMBER 4" IN 20 FT

FAIRBODY LINE

24

3 DIA

STIFFENERS 3/8 X 3 F

STIFFENERS 3X3X5/16 ∠

O.T. BULKHD ON PORT SIDE P&S

48 PLATE

24

12

24

48 PLATE

24

12

24

5X3 1/2 X 5/16 ∠

3 BRKT

W.T. & O.T. BULKHEAD FRAME #50
LOOKING AFT
BULKHEAD 5/16 PLATE

BOUNDARY BAR 1/2 X 3 F

1/2

1/4

1/8

KEEL 1 1/4 X 8 F