

TABLE OF MAIN SUBDIVISION			
FRAMES	COMPARTMENT	LENGTH	LONGITUDINAL DIVISION
T-12	FT. PEAK TANK	24'-0"	
10-10	STEEL COFFERDAM	10'-0"	
18-27	NO. 7 TANK	22'-6"	DT. 4 BULKHEAD
27-40	NO. 6 TANK	32'-6"	DT. 4 BULKHEAD
40-58	NO. 5 TANK	45'-0"	2-DT. BWS 10'-0" OFF E
58-66	PUMP ROOM COFFERDAM	20'-0"	WT. 4 BULKHEAD
66-86	MACHINERY SPACE	50'-0"	
86-91	FWD. PUMP ROOM	12'-6"	
91-106	NO. 4 TANK	37'-6"	2-DT. BWS 10'-0" OFF E
106-121	NO. 3 TANK (APT)	37'-6"	2-DT. BWS 10'-0" OFF E
121-135	NO. 3 TANK (FWD)	35'-0"	2-DT. BWS 10'-0" OFF E
135-149	NO. 2 TANK	31'-6"	DT. 4 BULKHEAD
149-162	NO. 1 TANK	29'-3"	DT. 4 BULKHEAD
162-173	FORE PEAK TANK	22'-0"	

PRINCIPAL DIMENSIONS

LENGTH B.P. ----- 416'-0"
 BREADTH MLD ----- 56'-10 1/2"
 DEPTH MLD ----- 37'-4"
 DRAFT MLD ----- 26'-10 1/4"
 CORRESPONDING DEAD WEIGHT ----- 10,000 TONS
 FIRST NUMERAL (L x P) ----- 15,500
 SECOND NUMERAL L x (B x P) ----- 39,200

FRAME SPACING

FRAMES H - 16 - 24'
 FRAMES 12 - 135 - 30'
 FRAMES 135 - 162 - 27'
 FRAMES 162 - 174 - 24'

CASING

CASING PLATING 3/16" TO 1/4"
 CASING STIFFENERS 3" x 3" x 3/16" OR 3"
 CASING TOP BEAMS 6" x 3 1/2" x 3/8" OR 3"

UPPER DECK PLATING

UPPER DECK STAINER PLATE 1" TO 3/4"
 UPPER DECK PLATING OUTSIDE CASING 3/16" TO 3/8"
 UPPER DECK PLATING BETWEEN TRUNKS 3/16" TO 3/8"
 UPPER DECK TRUNK CORNER DOUBLERS 3/16"
 GENERAL DR. - 3/16" x 3/8" FOR 30' L ONLY

UPPER DECK GIRDERS

3 GIRDERS TO BE LOCATED UNDER UPPER DECK - 1 ON CENTRE LINE & 1 EACH 10'-0" OF 4 P+S
 GIRDERS ALL 12 1/2" x 36" x 1/2" TO HAVE 6" x 3 1/2" x 1/2" FACE BAR AS SHOWN
 4 1/2" x 36" GIRDER WITH 6" x 3 1/2" x 1/2" FACE BAR TO BE ATTACHED TO EXPANSION TRUNK TOP BEAMS ON E

SECOND DECK PLATING

SECOND DECK STINGER PLATE 3/8" TO 1/2"
 SECOND DECK PLATING 3/16" TO 3/8"

SECOND DECK BEAMS

AFTER PEAK 8" x 3 1/2" x 46" BAS
 7" x 3 1/2" x 40" BAS
 TANK PEAK 7" x 3 1/2" x 40" BAS
 MAIN AND DECK BEAMS IN 3 SECTIONS
 9" x 3 1/2" x 44" BAS

BRACKETTING ARRANGEMENT

SECOND DECK BEAM KNEES - 3 1/2" x 3 1/2" x 3/16" FLANGED 2 1/2"
 LONGITUDINAL BWP TO 2ND DECK 28 1/2" x 3 1/2" x 3/16" FL 2 1/2"
 (IN WAY OF BWP STIFFENERS)
 LONGITUDINAL BWP TO 2ND DECK 30" x 3 1/2" x 3/16" FL 2 1/2"
 (ON OPPOSITE SIDE TO STIFFENERS)
 LONGITUDINAL BWP TO TANK TOP 24" x 30" x 3/16" FL 2 1/2"
 UPPER DECK BEAM KNEES - 24" x 24" x 3/8"
 UPPER DECK BEAM TO EXPANSION TRUNK
 LONGITUDINAL TWEEN DECK BWP STIFFENER TO 2ND DECK
 9" x 12" x 3/16" NO FLANGE
 EXPANSION TRUNK BEAM KNEES - 24" x 24" x 7/8" FL 2 1/2"
 TWEEN DECK OF # WT. BWP STIFFENER TOP & BOTTOM BRACKETED
 25 1/2" x 30" x 3/8" FLANGED 2 1/2"

BILGE BRACKET GUSSETS

3/16" x 3 1/2" x 3/16" RUNNER BAR TO BE RUN OVER FLANGES OF BILGE BRACKETS - 12" OFF TANK MARGIN - WEB PLATE TO BE FITTED BETWEEN RUNNER & MARGIN PLATE ON EVERY BWP FRAME
 SPACE - RUNNER BAR 18" OFF MARGIN ON BRACKETS, FRAMES 157-161
 AUXILIARY RUNNER OF 10" x 5" x 5" @ 19 1/2" CHANNEL TO BE RUN ALONG TOP OF BILGE BRACKETS WHERE DISTANCE FROM GUSSET TO FRAME EXCEEDS 6'-0" - WHERE ABOVE DISTANCE BETWEEN 4'-0" TO 6'-0" - 6" x 3 1/2" x 3/8" L RUNNER TO BE FITTED

FLOORS - FRAMES - REVERSE FRAMES

FLOORS ON EVERY FRAME 3/16" STIFFENERS AS SHOWN - 1/2" R UNDER BOILERS

WT. & OT. FLOORS

3/16" PLATE WITH 6" x 36" PA STIFFENERS AT 3'-0" SPACING

REVERSE FRAMES IN TANKS

4" x 4" x 9/16" IN BOILER SPACE - 6" x 6" x 3/8" UNDER BOILERS BEAKERS
 6" x 6" x 1/2" UNDER ENGINES - 3 1/2" x 3 1/2" x 3/8" ELSEWHERE

BOTTOM FRAMES

FROM 1/2" L FORWARD TO COLLISION BULKHEAD 6" x 6" x 1/2" ELSEWHERE 3 1/2" x 3 1/2" x 3/8" OR

CENTRE GIRDER AND SIDE GIRDERS

CENTRE GIRDER

43 1/2" DEEP - 3/4" IN BOILER SPACE 3/8" ELSEWHERE

TOP BARS

4" x 4" x 1/2" IN BOILER SPACE 3 1/2" x 3 1/2" x 3/8" ELSEWHERE

BOTTOM BARS

4" x 4" x 1/2" - 12R" THROUGHOUT

VERTICALS

4" x 4" x 1/2" IN BOILER SPACE - 6" x 6" x 3/8" UNDER BOILER BEAKERS - 6" x 6" x 1/2" UNDER ENGINES - 3 1/2" x 3 1/2" x 3/8" ELSEWHERE

GIRDERS

1 EACH SIDE 6" x 3 1/2" x 3/8" - 15' 0" BA CONTINUOUS TOP & BOT

INTERCOSTAL GIRDERS

UNDER ENGINES & FWD OF 1/2" L IN PAINTING AREA

WELDED CONSTRUCTION

WELDING IS TO BE USED ON FOLLOWING ITEMS -

SHELL

ALL SHELL BUTTS - SHELL BEAMS IN WAY OF FORE PEAK, AFT PEAK & FORWARD DEEP TANKS - SHELL CONNECTIONS TO ALL OT & WT. BULKHEADS - SHELL CONNECTION TO 2ND DECK - SHELL CONNECTION TO UPPER DECK AT FORE & AFT ENDS ONLY

DOUBLE BOTTOM

ALL WT & OT FLOORS & COFFERDAMS - FLOORS TO MARGIN

TANK TOP

LONGITUDINAL & TRANSVERSE WT & OT BULKHEADS TO TANK TOP - TANK TOP TO MARGIN - MARGIN TO SHELL - TUNNEL WELDED THROUGHOUT

BULKHEADS

ALL OT & WT. BULKHEADS THROUGHOUT INCLUDING TRANSVERSE BULKHEADS, LONGITUDINAL BULKHEADS & EXPANSION TRUNKS

SECOND DECK

ALL BUTTS & BEAMS & CONNECTIONS TO BEAMS, BULKHEADS, EXPANSION TRUNKS

UPPER DECK

ALL BUTTS - CONNECTIONS TO EXPANSION TRUNKS & GUSSETS - CONNECTION TO SHELL FOR & AFT OF MIDDLE 3/8" LENGTH

ALL WELDING TO MEET SURVEYORS APPROVAL - WELDING KEYS TO BE APPROVED BY CLASSIFICATION SOCIETY

ALL BUTTS & BUTTED TILLET WELDS TO HAVE SEALING WELD ON REVERSE SIDE

BEAMS, STIFFENERS, STRINGERS & WEBS TO BE INTERMITTENTLY WELDED WITH SIZES & SPACING OF TACKS

TWEEN DECK FRAMES

6" x 3 1/2" x 36" BAS MIDSHIPS & AFT
 6" x 3 1/2" x 30" BAS FORWARD OF 3/8" LENGTH
 8" x 3 1/2" x 36" BAS FORE & AFT PEAKS

SHELL PLATING

SHEER STRAKE

1/4" MIDSHIPS TO 3/8" AT ENDS

STRAKE BELOW SHEER STRAKE

3/8" MIDSHIPS TO 3/4" AT ENDS

SIDE SHELL

3/8" PLATING MIDSHIPS TO 3/4" AT ENDS - SIDE SHELL INCREASED 20% ABOVE RULE THICKNESS (IE TO 3/4") IN LIEU OF STRINGERS IN WAY OF PAINTING AREA 10% OF LENGTH AFT OF COLLISION BULKHEAD

BOTTOM PLATING

3/8" PLATING - 3 STAKES NEXT TO REEL TO BE 10% ABOVE RULE THICKNESS FROM 1/2" L FWD

KEEL

32" x 3/4" FOR 3/4" L TO 1/4" AT ENDS

FRAMING

MAIN FRAMES

12" x 4" x 4" x 40" - 30" CHANNEL FRAMES IN WAY OF E.K. & NO. 4 TANK

12" x 4" x 4" x 40" - 40" CHANNEL FRAMES IN E.K. B.K. NO. 7 TANK, NO. 6 TANK, NO. 5 TANK, PUMP ROOMS & NO. 3 TANK

BRACKETED CONNECTIONS

BRACKET	HT. RIV.	SIZE
BILGE BRACKET FRS. 60 - 106	14	3/8"
BILGE BRACKET FRS. 120 - 161	15	3/8"
BILGE BRACKET FRS. 19 - 65 & 107 - 135	14	3/8"
2ND DECK BEAM KNEES	8	3/8"
UPPER DECK BEAM KNEES	6	3/8"
CENTRE LINE BWP BOTTOM BAR	7	3/8"
CENTRE LINE BWP TOP BRACKET	7	3/8"
EXPANSION TRUNK TOP BRACKET	6	3/8"
STINGER BWS TO STIFTS	8	3/8"
TRANSVERSE OT. BULKHEAD BRACKET	8	3/8"

EQUIPMENT

- 2 - STOCKLESS ANCHOR 8000 LBS. EACH
- 1 - STEAM ANCHOR (STOCKLESS) 25% CWT.
- 1 - 2 1/2" H.T. STOP CABLE CHAIN 255 FATHOMS
- 1 - STEAM WIRE 90 FATHOMS 5" - 6" x 1/2" P.S.W.
- 1 - TOWLINE 120 FATHOMS 1 1/2" - 6" x 24SP P.S.W.
- 2 - HAWSERS 90 FATHOMS 2 1/2" - 6" x 1/2" P.S.W.
- 2 - HARPS 90 FATHOMS 2 1/2" - 6" x 1/2" P.S.W.

NOTE

SEE LETTER W.M.S.L. DATED 7/7/43 ON VICTORY FREIGHTERS' RULES REQUIRE 250 FATHOMS OF 2" HT. STOP LINK CHAIN CABLES IF 2 1/2" IS SUPPLIED 255 FMS. WOULD BE ACCEPTABLE FURNISHING THE EMERGENCY, TO BE INCREASED LATER TO 270 FMS. IF, ON ACCOUNT CHAIN CABLE SHORTAGE, LESS THAN 255 FMS. ARE SHIPPED NOW, CLASS WOULD BE SUBJECT TO DEFICIENCY BEING MADE GOOD AT FIRST OPPORTUNITY

VANCOUVER 1ST ENTRY NO. 6145.

WILLOWDALE PARK

YARD NO. 136


APPROVED BY LLOYDS REGISTER OF SHIPPING - NEW YORK AUG. 12, 1943.

REVISIONS

WEST COAST SHIPBUILDERS LTD.

VICTORY TANKER - MIDSHIP SECTION

DESIGNED	DRAWN	TRACED	CHECKED
J. A. Jones	J. A. Jones	M. Carter	
APPROVED	REVISED	DATE	SCALE
AUG. 12, 1943		JUNE 9, 1943	1/2" = 1'
HULL NO. 133 - 137		DWG. NO. WT - 1	

"MATIYA SUBRE" 

MIDSHIP SECTION

RECORDS DEPT.
LONDON.



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