

TABLE OF MAIN SUBDIVISION			
FRAMES	COMPARTMENT	LENGTH	LONGITUDINAL DIVISION
7-12	RET. PUMP TANK	24'-0"	
12-18	FTTER. COFFERVAN	15'-0"	
18-27	NO. 7 TANK	22'-6"	OT. & BULKHEAD
27-40	NO. 6 TANK	32'-6"	OT. & BULKHEAD
40-58	NO. 5 TANK	45'-0"	2-OT. BHD'S 10'-0" OFF E
58-66	PUMP ROOM, COFFERVAN	20'-0"	WT. & BULKHEAD
66-86	MACHINERY SPACE	50'-0"	
86-91	FWD. PUMP ROOM	12'-6"	
91-106	NO. 4 TANK	37'-6"	2-OT. BHD'S 10'-0" OFF E
106-121	NO. 3 TANK (APT)	37'-6"	2-OT. BHD'S 10'-0" OFF E
121-135	NO. 3 TANK (FOKV)	35'-0"	2-OT. BHD'S 10'-0" OFF E
135-149	NO. 2 TANK	31'-6"	OT. & BULKHEAD
149-162	NO. 1 TANK	29'-3"	OT. & BULKHEAD
162-175	DEEPPEAK 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 DEADWEIGHT ----- 10,000 TONS
 FIRST NUMERAL (L x D) ----- 15,500
 SECOND NUMERAL L x (B x D) ----- 39,200

FRAME SPACING

FRAMES 11 - 12 ----- 1'-04"
 FRAMES 12 - 185 ----- 1'-30"
 FRAMES 185 - 162 ----- 1'-27"
 FRAMES 162 - 174 ----- 1'-24"

CASING

CASING PLATING ----- 5/16" TO 1/4"
 CASING STIFFENERS ----- 3" x 8" x 3/16" OR S
 CASING TOP BEAMS ----- 6" x 3 1/2" x 3/8" OR S

UPPER DECK PLATING

UPPER DECK STRINGER PLATE 1" TO 3/8"
 UPPER DECK PLATING OUTSIDE CASINGS 7/16" TO 5/8"
 UPPER DECK PLATING BETWEEN TURNS 7/16" TO 5/8"
 UPPER DECK TERN CORNER DOUBLERS 7/16"
 GUNWALE BAR 6" x 3 1/2" x 3/8" FOR 3/8" L ONLY

UPPER DECK BEAMS

FORE PEAK 8" x 3 1/2" x 34" B&S
 THROUGH BEAMS 8" x 3 1/2" x 46" B&S
 HALF BEAMS 8" x 3 1/2" x 46" B&S
 AFTER PEAK 8" x 3 1/2" x 46" B&S
 7" x 2 1/2" x 32" B&S

SECOND DECK PLATING

SECOND DECK STRINGER PLATE 3/8" TO 1/2"
 SECOND DECK PLATING 7/16" R. TO 3/16" R.

SECOND DECK BEAMS

AFTER PEAK 8" x 3 1/2" x 46" B&S
 7" x 3 1/2" x 42" B&S
 FORE PEAK 7" x 3 1/2" x 42" B&S
 MAIN 2ND DECK BEAMS IN 3 SECTIONS
 9" x 3 1/2" x 44" B&S

BRACKETTING ARRANGEMENT

SECOND DECK BEAM KNEES - 3 1/2" x 3 1/2" x 3/16" FLANGED 2 1/2"
 LONGITUDINAL BHD TO 2ND DECK - 20 1/2" x 24 1/2" x 3/16" PL 2 1/2"
 (IN WAY OF BHD STIFFENERS)
 LONGITUDINAL BHD TO 2ND DECK - 30" x 34 1/2" x 3/16" PL 2 1/2"
 (ON OPPOSITE SIDE TO STIFFENERS)
 LONGITUDINAL BHD TO TANK TOP - 24" x 30" x 7/16" PL 2 1/2"
 UPPER DECK BEAM KNEES - 24" x 24" x 3/16"
 UPPER DECK BEAM TO EXPANSION TRUNK
 LONGITUDINAL TWEEN DECK BHD STIFFENER TO 2ND DECK
 9" x 10" x 3/16" NO FLANGE
 EXPANSION TRUNK BEAM KNEES - 24" x 24" x 3/16" PL 2 1/2"
 TRANSVERSE OT. & WT. BHD STIFFENER TOP & BOTTOM BRACKETED
 25 1/2" x 30" x 3/8" FLANGED 2 1/2"

BILGE BRACKET GUSSETS

3 1/2" x 3 1/2" x 7/16" RUNNER BAR TO BE RUN OVER FLANGES OF
 BILGE BRACKETS - 12" OFF TANK MARGIN - WEB PLATE TO BE
 FITTED BETWEEN KNEE & MARGIN PLATE ON EVERY 2ND FRAME
 SPACE - RUNNER BAR 16" OFF MARGIN ON BRACKETS FRAMES 137-161
 AUXILIARY RUNNER OR 8" x 3" x 3" @ 19.5" CHANNEL TO BE RUN
 ALONG TOP OF BILGE BRACKETS WHERE DISTANCE FROM
 GUSSET TO FRAME EXCEEDS 6'-0". WHERE ABOVE DISTANCE
 BETWEEN 4'-0" & 6'-0" - 6" x 3 1/2" x 3/8" L RUNNER TO BE
 FITTED

FLOORS - FRAMES - REVERSE FRAMES

FLOORS ON EVERY FRAME - 3/8" STIFFENERS AS SHOWN 1/8" R. UNDER BOILERS

WT. & OT. FLOORS

1/2" PLATE WITH 6" x 3/8" P.H. STIFFENERS AT 3'-0" SPACING

REVERSE FRAMES IN TANKS

4" x 4" x 1/2" IN BOILER SPACE - 6" x 6" x 3/8" UNDER BOILERS BEARERS
 6" x 6" x 1/2" UNDER ENGINES - 5 1/2" x 5 1/2" x 3/8" ELSEWHERE

BOTTOM FRAMES

FROM 1/2" L FORWARD TO COLLISION BULKHEAD 6" x 6" x 1/2" ELSEWHERE 5 1/2" x 5 1/2" x 3/8" OR S

CENTRE GIRDER AND SIDE GIRDERS

CENTRE GIRDER

49 1/2" DEEP - 3/8" IN BOILER SPACE 3/8" ELSEWHERE

TOP BARS

4" x 4" x 1/2" IN BOILER SPACE 5 1/2" x 5 1/2" x 3/8" ELSEWHERE

BOTTOM BARS

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

VERTICALS

4" x 4" x 1/2" IN BOILER SPACE - 6" x 6" x 3/8" UNDER BOILER
 BEARERS - 6" x 6" x 1/2" UNDER ENGINES -
 5 1/2" x 5 1/2" x 3/8" ELSEWHERE

GIRDERS

1 EACH SIDE 6" x 3 1/2" x 7/16" - 15' 9" OR CONTINUOUS TOP & BOT.
 6" x 3 1/2" x 7/16" - 15' 9" OR VERT. AT EACH FLOOR

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 SEAMS 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 & COFFERVANS - 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 & SEAMS & CONNECTIONS TO BEAMS, BULKHEADS
EXPANSION TRUNKS

UPPER DECK

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

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

ALL BUTTS & BEVELLED FILLET WELDS TO HAVE SEALING
WELD ON REVERSE SIDE
BEAMS, STIFFENERS, STRINGERS & WELDS TO BE INTERMITTENTLY
WELDED WITH SIZES & SPACING OF TACKS

TWEEN DECK FRAMES

6" x 3 1/2" x 32" B&S MIDSHIPS & AFT
 6" x 3 1/2" x 32" B&S FORWARD OF 3/8" LENGTH
 8" x 3 1/2" x 34" B&S FORE & AFT PEAKS

SHELL PLATING

SHEER STRAKE

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

STRAKE BELOW SHEER STRAKE

3/8" MIDSHIPS TO 1/2" AT ENDS

SIDE SHELL

3/8" PLATING MIDSHIPS TO 3/8" AT ENDS - SIDE
 SHELL INCREASED 20% ABOVE KULE THICKNESS
 (IE TO 5/16") IN LIEU OF STRINGERS IN WAY
 OF PAINTING AREA 10% OF LENGTH AFT OF
 COLLISION BULKHEAD

BOTTOM PLATING

3/8" PLATING - 3 STEAKS NEXT TO KEEL TO BE
 10% ABOVE KULE THICKNESS FROM 1/2" L FWD

KEEL

30" x 3/4" FOR 3/8" L TO 1/4" AT ENDS

FRAMING

MAIN FRAMES

12" x 4" x 4" x 40" - 35" CHANNEL FRAMES IN
WAY OF E.K. & NO. 4 TANK

12" x 4" x 4" x 50" - 40" CHANNEL FRAMES IN E.K.
 BK. NO. 7 TANK, NO. 6 TANK, NO. 5 TANK,
 PUMP ROOM & NO. 3 TANK

BRACKETTED CONNECTIONS

BRACKET	HT. ELEV.	SIZE
BILGE BRACKET FES. 60 - 106	14	3/8"
BILGE BRACKET FES. 126 - 161	15	3/8"
BILGE BRACKET FES. 19 - 65 & 107 - 135	14	3/8"
2ND DECK BEAM KNEES	8	7/8"
UPPER DECK BEAM KNEES	6	7/8"
CENTRE LINE BHD BOTTOM BKT	7	7/8"
CENTRE LINE BHD TOP BRACKET	7	7/8"
EXPANSION TRUNK TOP BRACKET	6	7/8"
STRINGER BKTS. TO STRUTS	8	7/8"
TRANSVERSE OT. BULKHEAD BRACKET	8	7/8"

EQUIPMENT

- 2 - STOCKLESS ANCHOR 6000 LBS. EACH
- 1 - STREAM ANCHOR (STOCKLESS) 25 3/4' LWS.
- 1 - 2 1/2" HT. STUD CABLE CHAIN 255 PATHOMS
- 1 - STREAM WIRE 90 PATHOMS 5" - 6" x 12 P.S.W.
- 1 - TOWLINE 120 PATHOMS 4 1/4" - 6" x 24 P.S.W.
- 2 - HAWSEYS 90 PATHOMS 2 1/4" - 6" x 12 P.S.W.
- 2 - HARPS 90 PATHOMS 2 1/4" - 6" x 12 P.S.W.

NOTE

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

QUETICO PARK

YARD NO. 157

Approved by Capt. J. H. Jones
 "Donges"

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. H. Jones	J. H. Jones	M. Carter	
APPROVED	REVISED	DATE	SCALE
AUG. 12/43		JUNE 9, 1943	1/2" = 1 FT.

HULL NO. 133 - 137 DWG. NO. VT. - 11