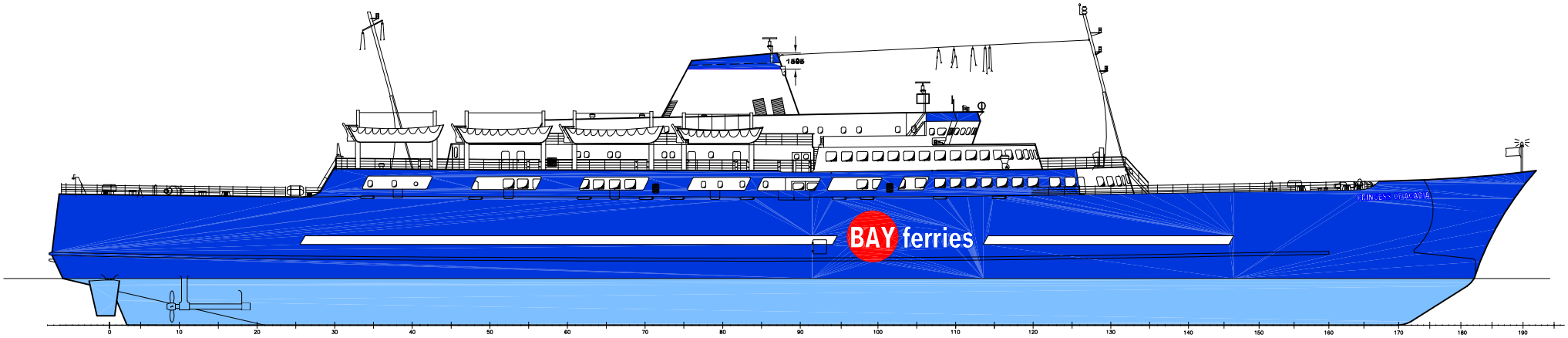
1595
PRINCESS OF ARCADIA
BAY ferries
0
10
20
30
40
50
60
70
80
90
100
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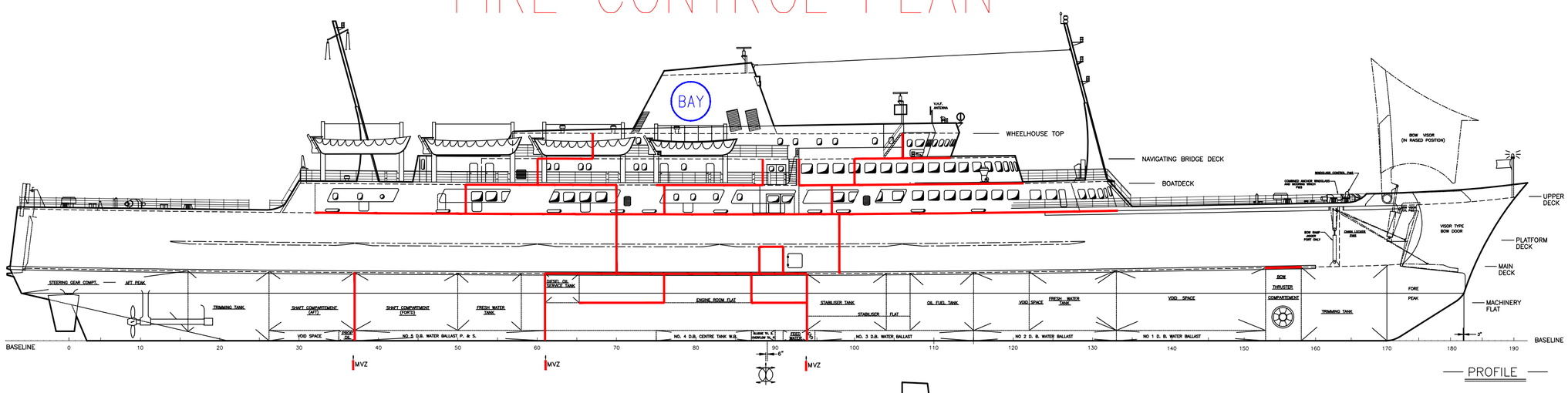
120
130
140
150
160
170
180
190

FIRE CONTROL PLAN



PRINCIPAL PARTICULARS

LENGTH O.A.	146.367 m	(480'-1")
LENGTH B.P.	134.137 m	(440'-1")
BREADTH	19.812 m	(65'-0")
DEPTH	12.200 m	(40'-0")
DRAFT	4.648 m	(15'-3")

VOYAGE CLASS	HOME TRADE III
SHIP CLASS	CLASS III
OFFICIAL NUMBER	331571
GROSS TONNAGE	10050.71 TONS
MAX. COMPLEMENT	650 PASSENGERS
	28 CREW
	678 TOTAL

NOTE:

1.) EACH FIRE STATION INDICATED ON DRAWING COMPRISES OF A FIRE HOSE, FIRE HYDRANT, AND SPRAY/JET NOZZLE, i.e.;

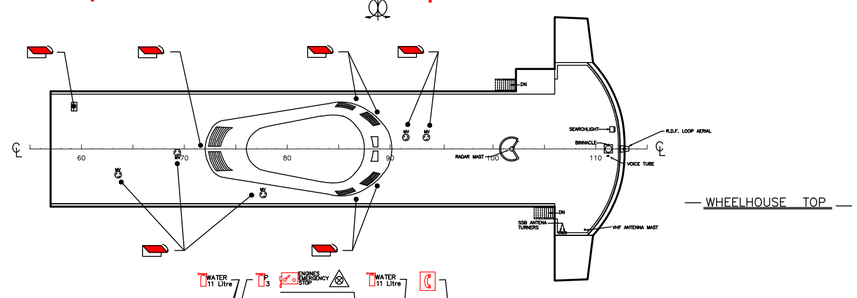
F12 = [hose box] + [hydrant]

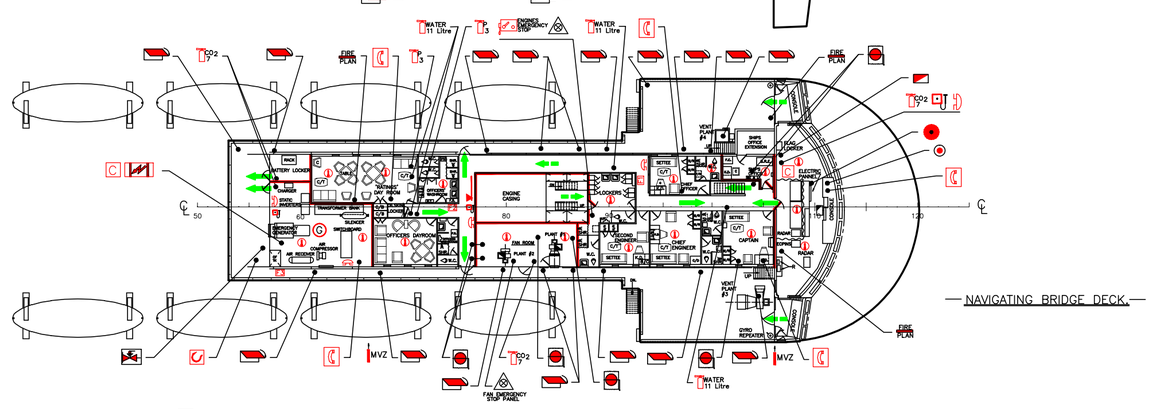
2.) FIRE PARTIES ARE TO CONSIST OF:
ONE OFFICER IN CHARGE
ONE 3-PERSONFIREFIGHTING TEAM
ONE 3-PERSON SUPPORT TEAM
(VENTILATION, BOUNDARY COOLING, ETC.)

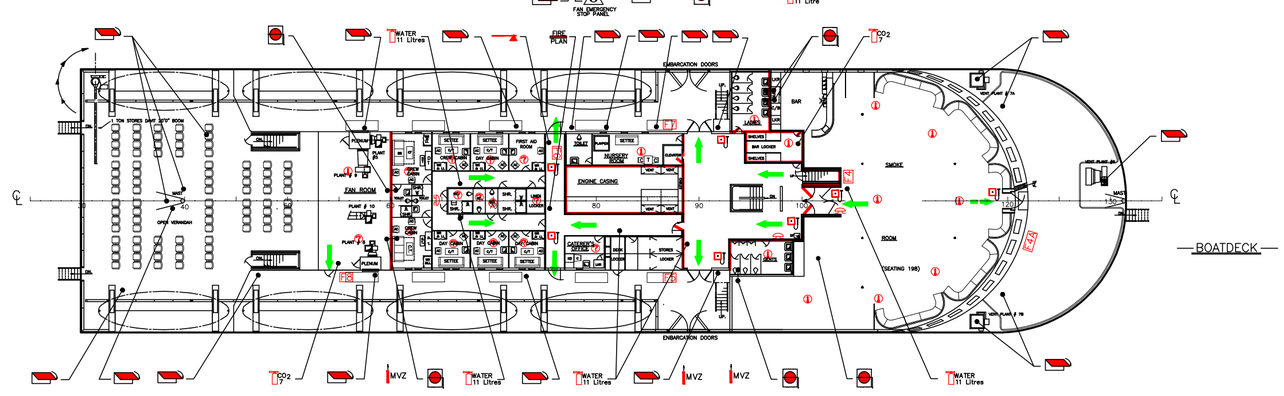
SEVEN PERSONS TOTAL

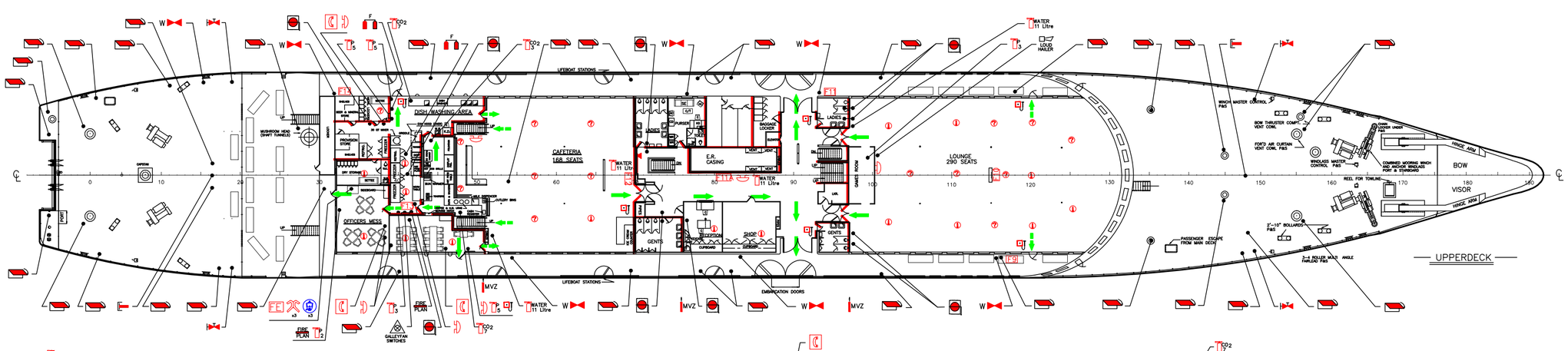
LEGEND

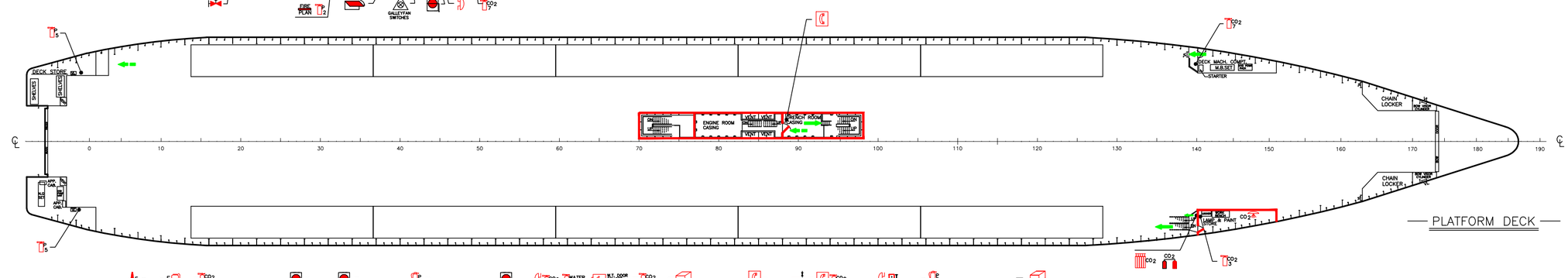
SYM	ITEM
FIRE PLAN	FIRE CONTROL PLAN
	PUSH BUTTON/ SWITCH FOR FIRE ALARM
	GENERAL ALARM
GEN'L ALARM	GENERAL ALARM HORN
LOUD HAILER	LOUD HAILER HORN
	BELL FIRE ALARM
	MANUAL OPERATING POS. FIRE ALARM
	FIRE ALARM PANEL
CO2	CO2 BATTERY
CO2	SPACE PROTECTED BY CO2
CO2	CO2 HORN
CO2	CO2 RELEASE STATION
F	FOAM INSTALLATION
F	FOAM NOZZLE
F	FOAM RELEASE STATION
FE	LOCKER WITH FIREMAN'S OUTFIT
	FIRE HYDRANT
	HOSE BOX WITH SPRAY/JET FIRE NOZZLE
	INTERNATIONAL FIRE CONNECTION
	FIRE PUMP
	EMERGENCY FIRE PUMP
M.E.S. F.P. E.S.	REMOTE CONTROL FIRE PUMPS OR EMERGENCY SWITCHES
	BILGE PUMP
5	PORTABLE 5 kg DRY POWDER FIRE EXT.
3	PORTABLE 3 kg DRY POWDER FIRE EXT.
WATER 11 Litres	PORTABLE 3 kg DRY POWDER FIRE EXT.
CO2 3	PORTABLE 3KG CO2 FIRE EXT.
CO2 7	PORTABLE 6.8KG CO2 FIRE EXT.
W	SECTION VALVES HYDRANT SYSTEM
	ESCAPE HATCH
	DRENCHING INSTALLATION
D	AREA PROTECTED BY DRENCHING SYSTEM
D	SECTION VALVES DRENCHING SYSTEM
	LOCKER WITH BREATHING APP.
	FIRE SUIT
	PRIMARY MEANS OF ESCAPE
	SECONDARY MEANS OF ESCAPE
	'A' CLASS DIVISION
	'B' CLASS DIVISION
	FIRE DAMPER IN VENT DUCT
	REMOTE CONTROL FUEL/LUB. OIL VALVES
C	CONTROL STATION
F	PORTABLE FOAM APPLICATOR
	'A' CLASS FIRE DOOR
	'A' CLASS FIRE DOOR
	'A' CLASS FIRE DOOR SELF-CLOSING
	'A' CLASS FIRE DOOR SELF-CLOSING
	CLOSING APPLIANCE FOR EXTERIOR VENT
	REMOTE VENTILATION SHUT-OFF
MVZ	MAIN VERTICAL ZONE
	SMOKE DETECTOR
	HEAT DETECTOR
	EMERGENCY TELEPHONE STATION
	FIRE AXE
SAND	SAND BOX
F12	FIRE STATION COMPRISING OF FIRE MAIN FIRE HOSE, AND SPRAY / JET NOZZLE F12 = [hose box] + [hydrant]

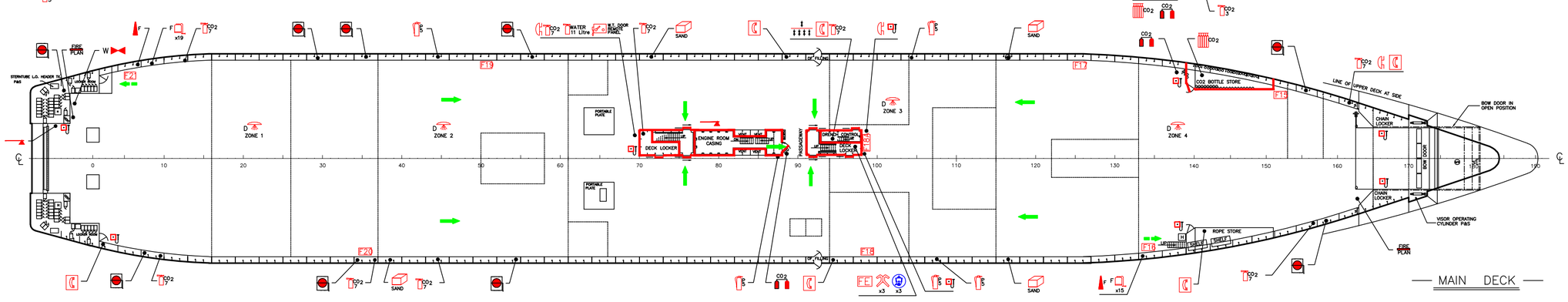


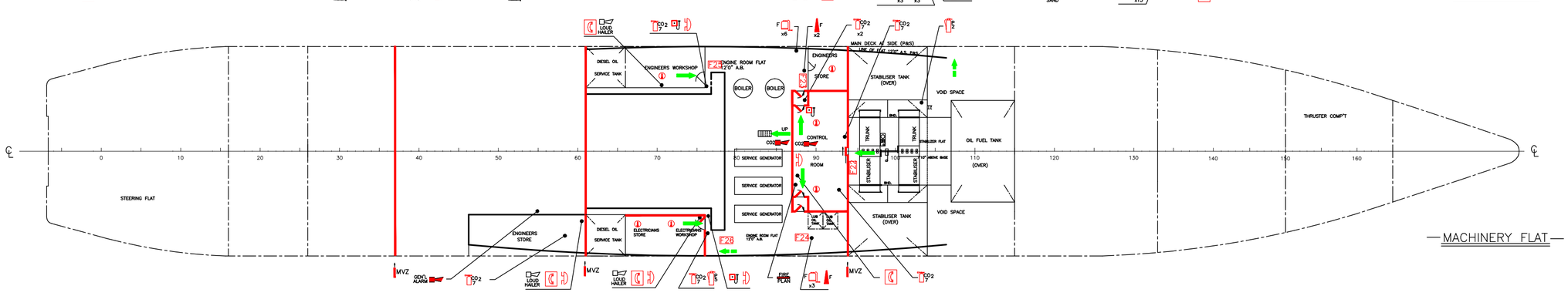


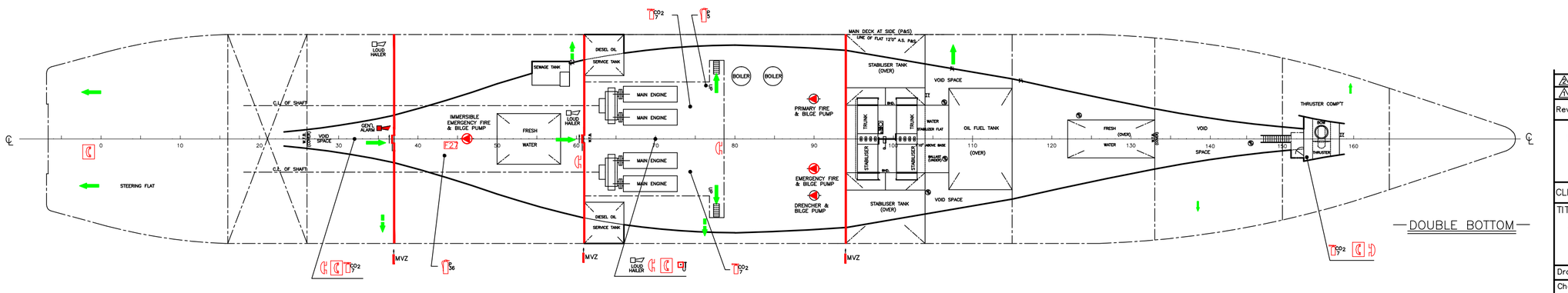












Rev.	Date	Remarks
2	11/05/97	E.R. FIRE PLAN RELOCATED
1	10/08/97	CREW COMPL'M'T WAS 31, FIRE PLAN SYMB'S ADDED

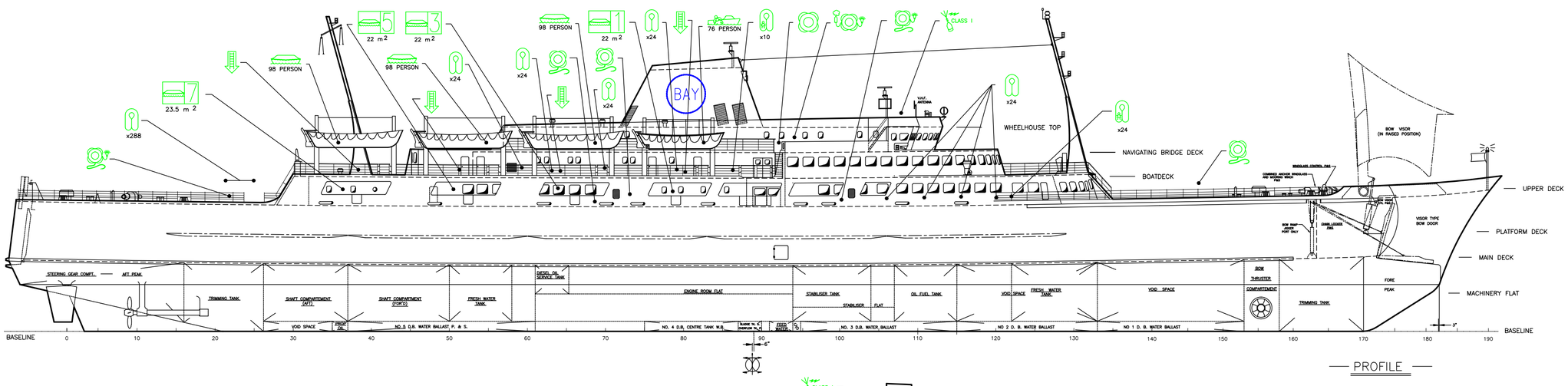
Lengkeek Vessel Engineering

CLIENT: *BAY FERRIES LTD.*

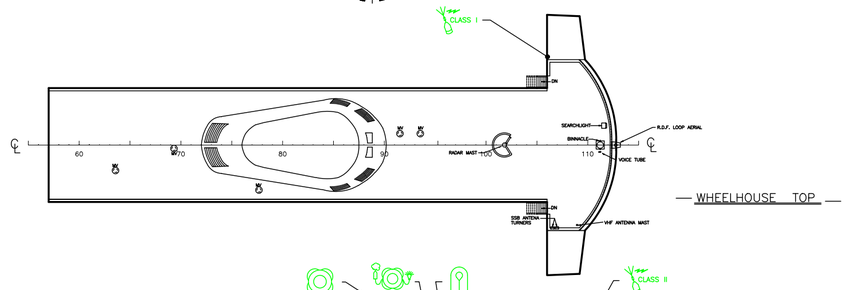
TITLE:
M.V. "PRINCESS of ACADIA"
FIRE CONTROL PLAN

Drawn: *M. Mason*	Scale: 1:200	Rev: 2
Checked: M. Lengkeek	DWG. NO:	
29 SEPT 1997	9771-01	
...\FCP	Sheet 1 of 1	

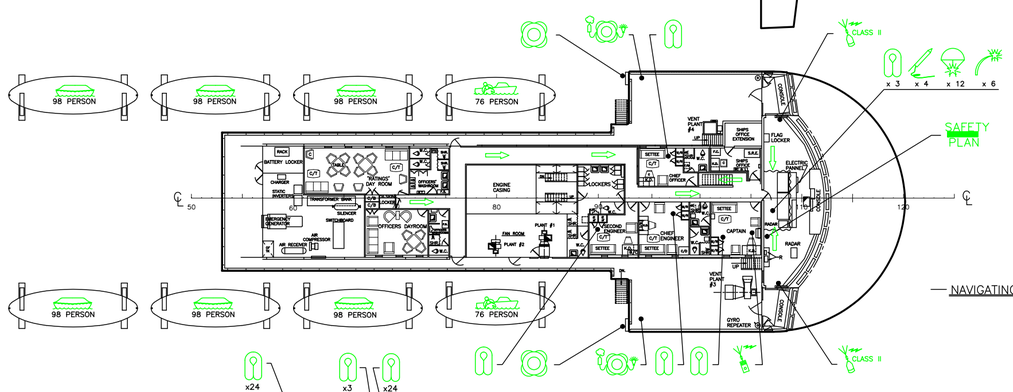
LIFESAVING APPLIANCES PLAN



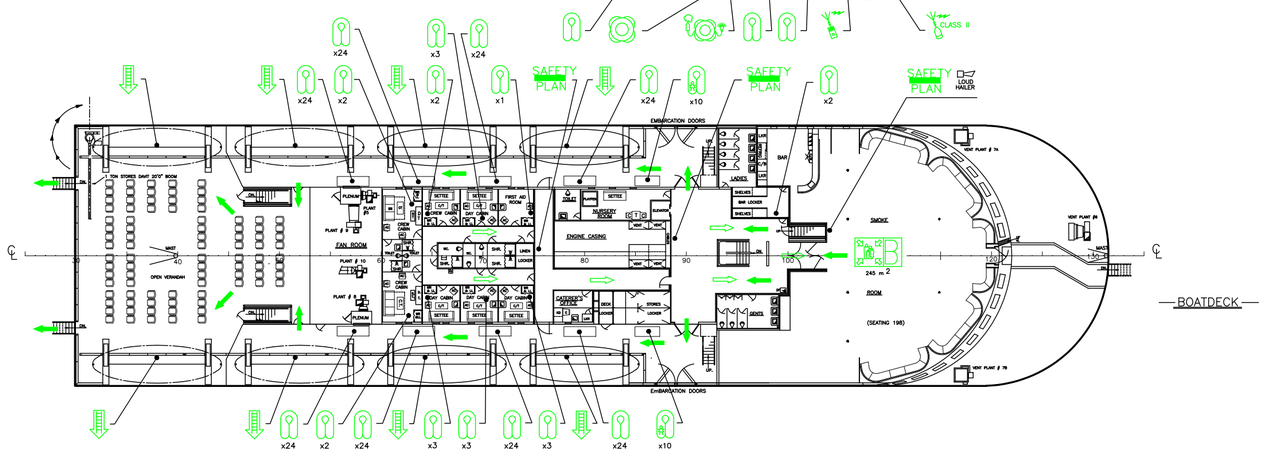
PROFILE



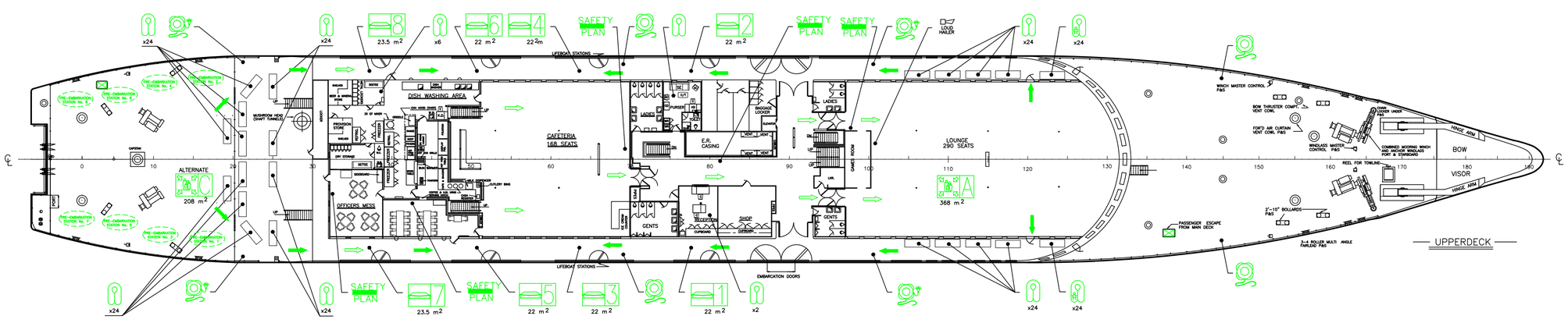
WHEELHOUSE TOP



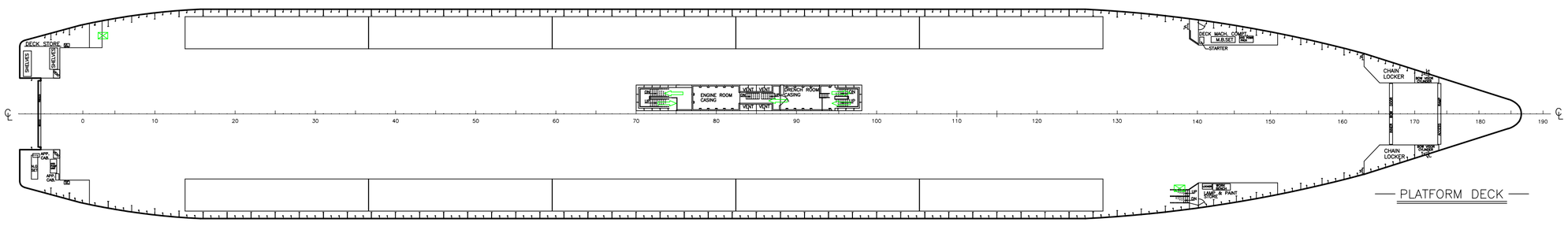
NAVIGATING BRIDGE DECK



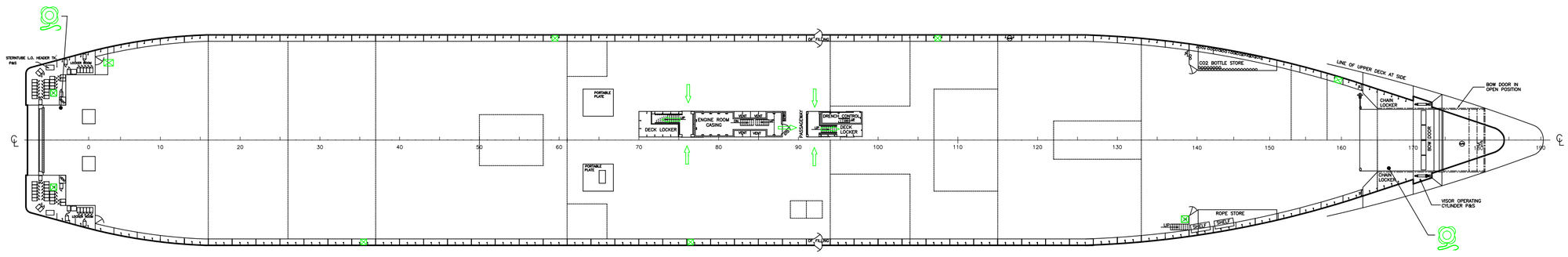
BOATDECK



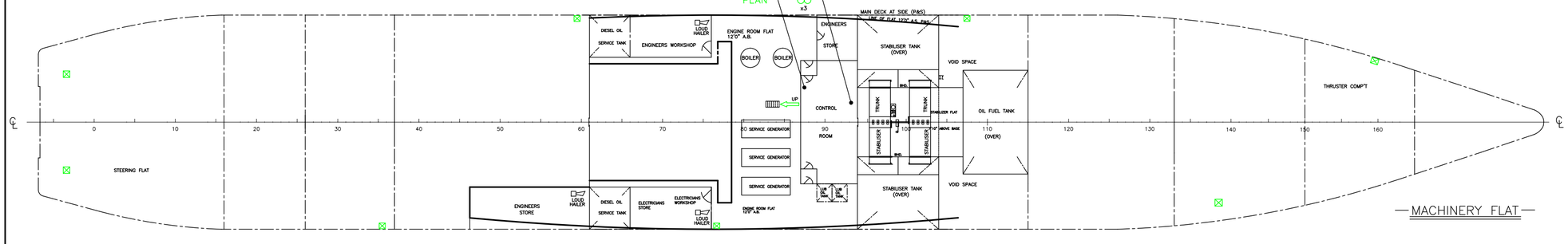
UPPERDECK



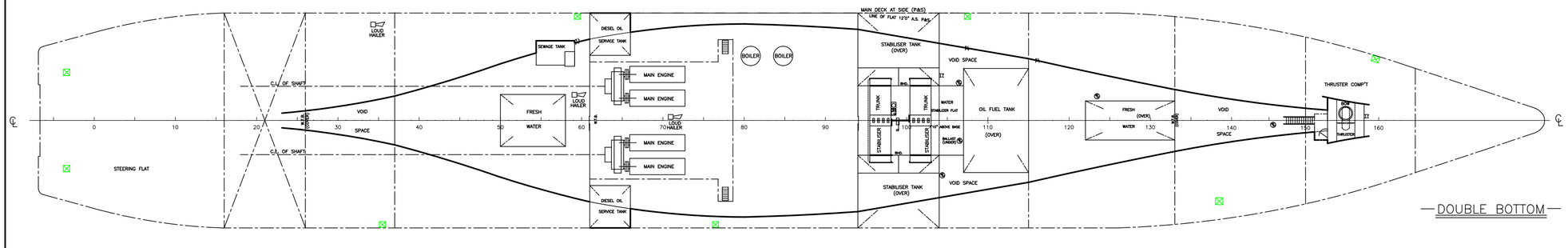
PLATFORM DECK



MAIN DECK



MACHINERY FLAT



DOUBLE BOTTOM

PRINCIPAL PARTICULARS

LENGTH O.A.	146.367 m	(480'-1")
LENGTH B.P.	134.137 m	(440'-1")
BREADTH	19.812 m	(65'-0")
DEPTH	12.200 m	(40'-0")
DRAFT	4.648 m	(15'-3")

VOYAGE CLASS	HOME TRADE III
SHIP CLASS	CLASS III
OFFICIAL NUMBER	331571
GROSS TONNAGE	10050.71 TONS
MAX. COMPLEMENT	650 PASSENGERS 28 CREW 678 TOTAL

LEGEND

SYM	ITEM
	LIFEBOAT
	RESCUE BOAT
	EMBARKATION LADDER
	LIFEBUOY
	LIFEBUOY + LINE
	LIFEBUOY + LIGHT + LINE
	LIFEBUOY + SMOKE
	LIFEBUOY + LIGHT + SMOKE
	LIFEJACKET
	CHILD'S LIFEJACKET
	SURVIVAL CRAFT PORTABLE RADIO
CLASS I	CLASS I EPIRB
CLASS II	CLASS II EPIRB
	SURVIVAL CRAFT DISTRESS SIGNALS
	ROCKET PARACHUTE FLARE
	LINE THROWING APPLIANCE
A	MUSTER STATION
2	EMBARKATION STATION
SAFETY PLAN	LIFE-SAVING APPLIANCES PLAN
	TO EMBARKATION STATION
	TO MUSTER STATION
	EMERGENCY ESCAPE
LOUD HAILER	LOUD HAILER HORN

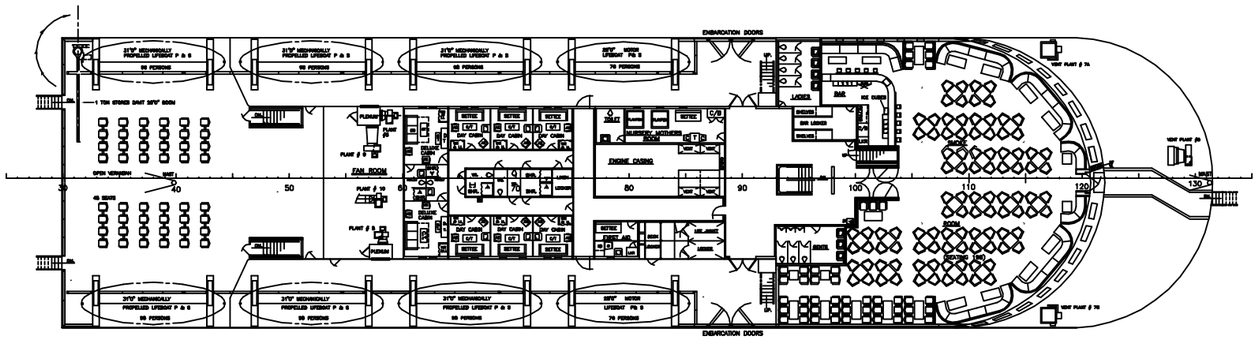
Rev.	Date	Remarks
2	11/03/97	ADD SAFETY PLANS, CHANGE LIFE RINGS
1	10/08/97	CREW COMPLIMENT WAS 31, SAFETY PLAN SYMBOLS ADDED (VARIOUS LOCATIONS)

Lengkeek Vessel Engineering

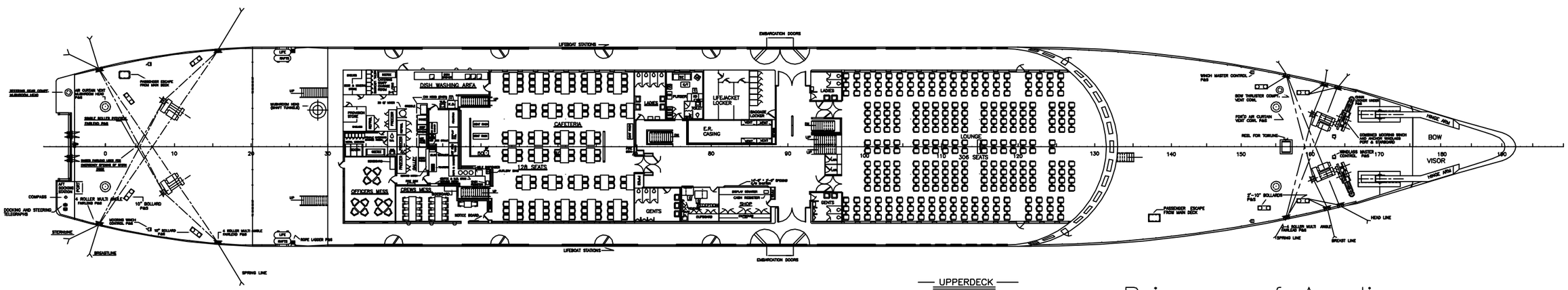
CLIENT: *BAY FERRIES LTD.*

TITLE:
M.V. "PRINCESS of ACADIA"
LIFE-SAVING APPLIANCES PLAN

Drawn: *M. Mason*	Scale: 1:200	Rev: 2
Checked: M. Lengkeek	DWG. NO:	
29 SEPT 1997	9771-02	
...\LSA	Sheet 1 of 1	

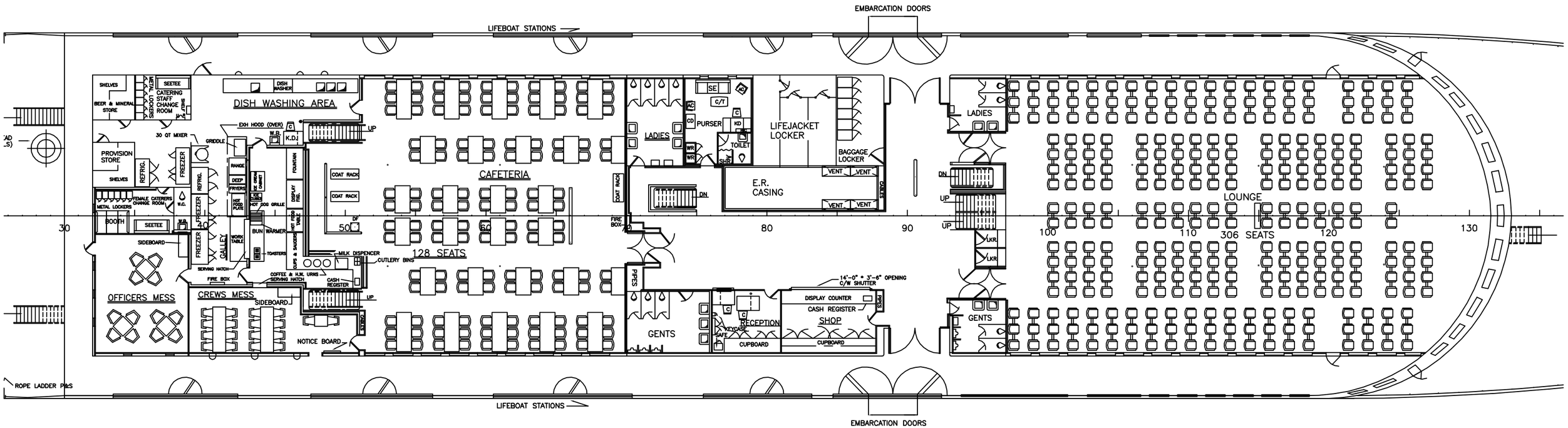


—BOATDECK—

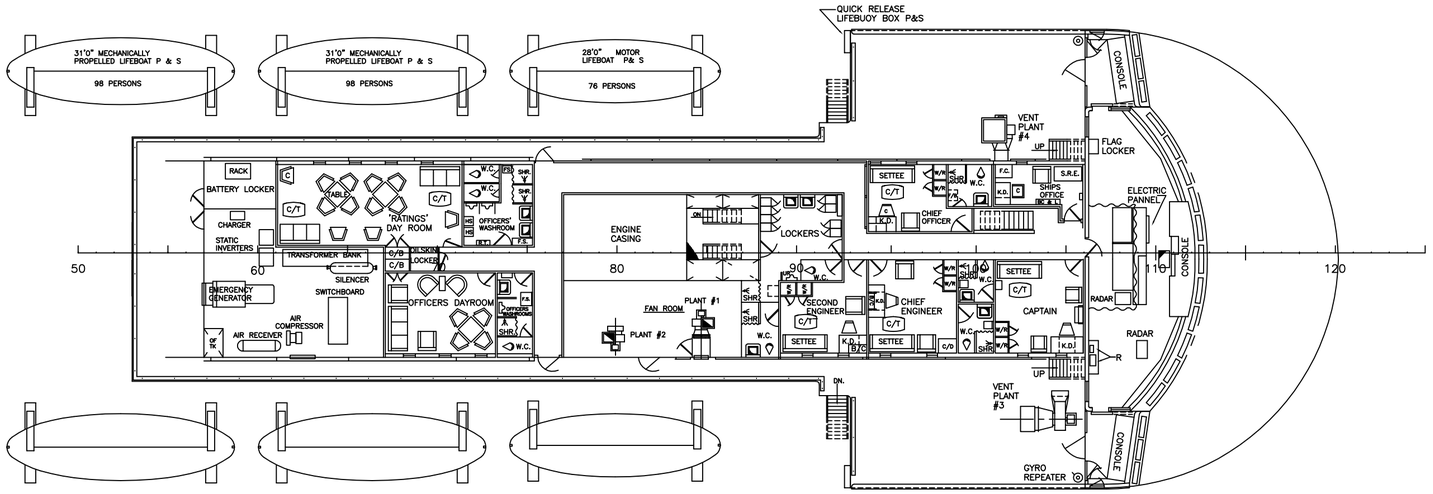


—UPPERDECK—

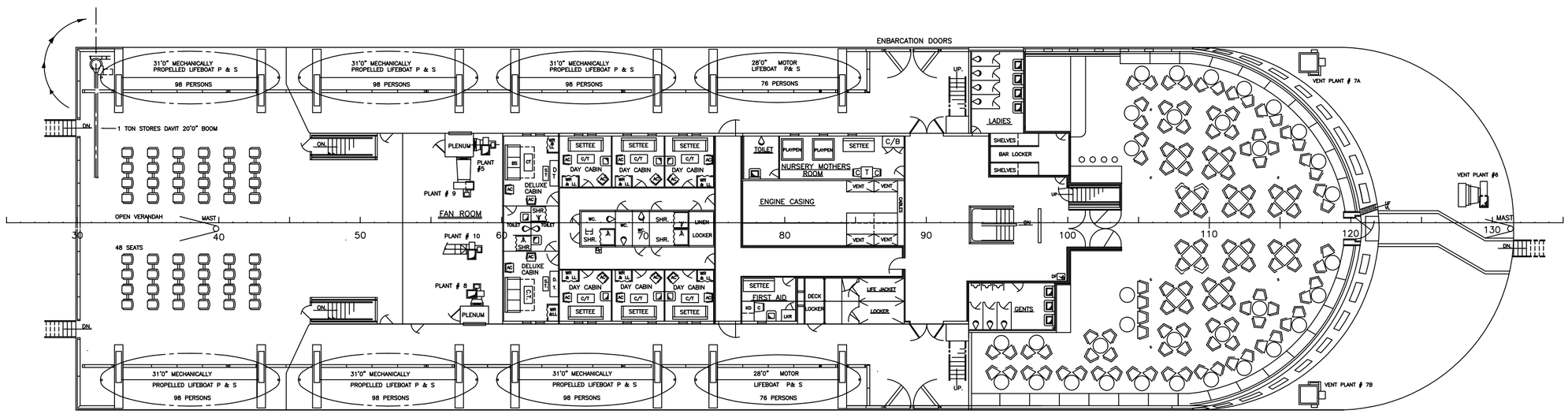
Princess of Acadia


EMBARCATION DOORS
LIFEBOAT STATIONS
DISH WASHING AREA
CATERING STAFF CHANGE ROOM
SHELVES
BEER & MINERAL STORE
PROVISION STORE
REFRIG.
FREEZER
METAL LOCKERS
FEMALE CATERERS CHANGE ROOM
W.C.
BOOTH
SEETEE
SIDEBOARD
OFFICERS MESS
CREWS MESS
GALLEY
SERVING HATCH
FIRE BOX
30 QT MIXER
GRIDDLE
EXH HOOD (OVER)
K.D.I
RANGE
DEEP FRYERS
HOT FOOD PLATE
HOT DOG GRILLE
BUN WARMER
TOASTERS
WORK TABLE
HOT FOOD TABLE
COFFEE & HUN. URNS SERVING HATCH
CASH REGISTER
MILK DISPENCER
CUTLERY BINS
COAT RACK
NOTICE BOARD
UP
128 SEATS
CAFETERIA
LADIES
PURSER
TOILET
GENTS
PIPES
FIRE BOX
E.R. CASING
LIFEJACKET LOCKER
BAGGAGE LOCKER
VENT
DN
RECEPTION
KEYCASE
SAFE
CUPBOARD
SHOP
DISPLAY COUNTER
CASH REGISTER
14'-0" + 3'-6" OPENING C/W SHUTTER
LOUNGE
306 SEATS
LKR
ROPE LADDER P&S
30
40
50
60
80
90
100
110
120
130

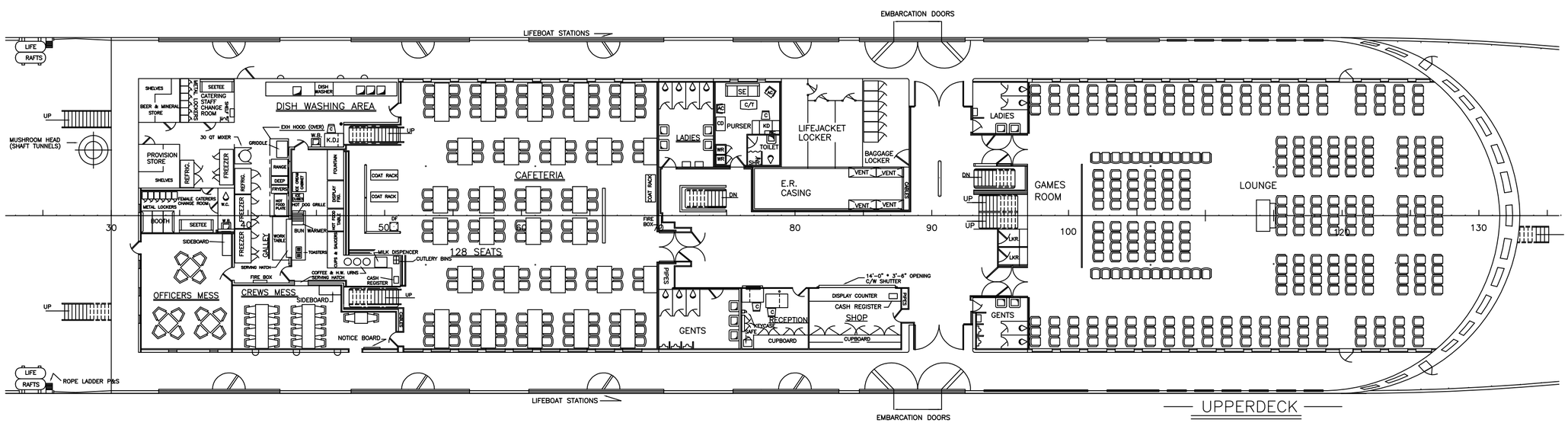
UPPERDECK



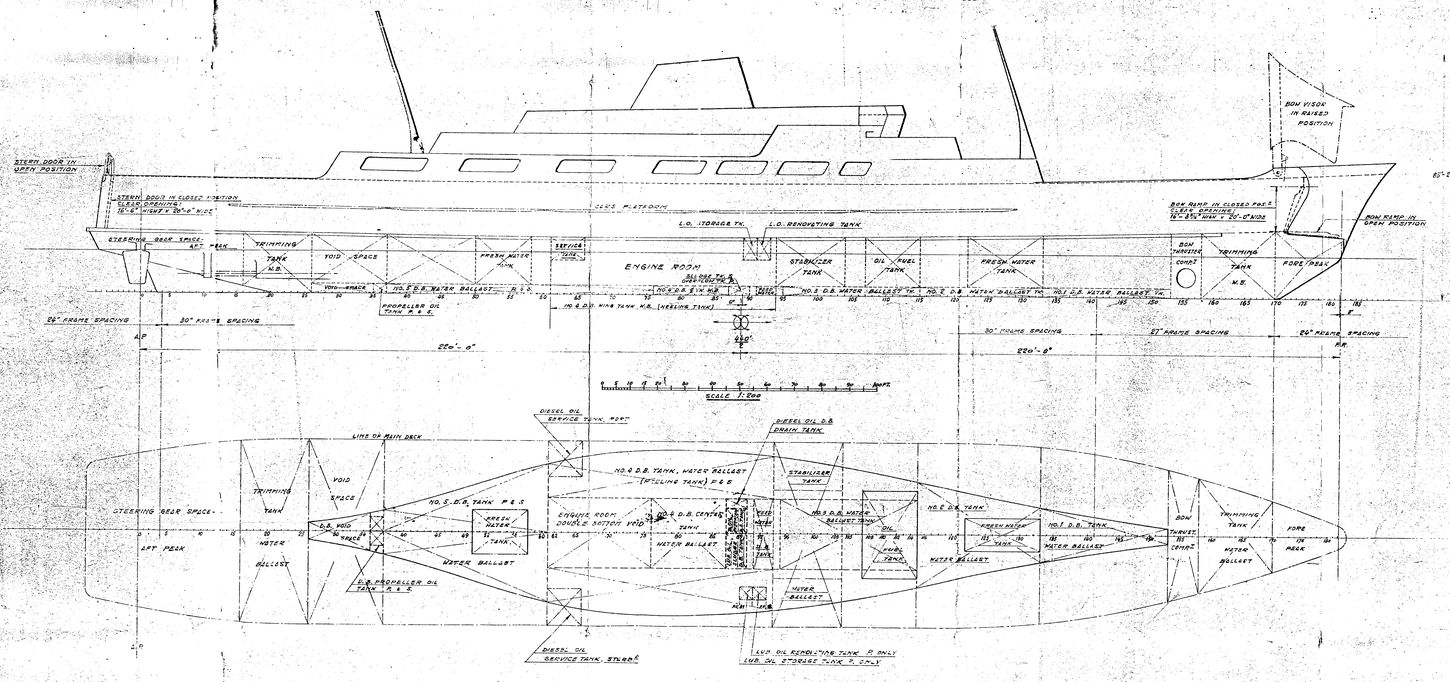
NAVIGATING BRIDGE DECK.

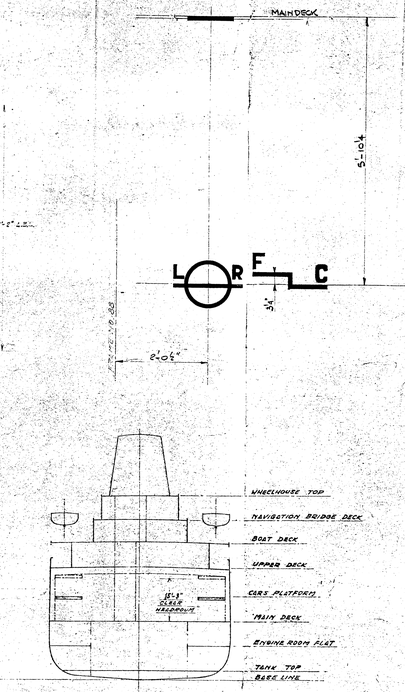


BOATDECK



UPPERDECK





SECTION AT AMIDSHIPS

DEADWEIGHT SCALE

DRAFT IN FEET	SALT WATER 35 cu.ft/ton DISPL. IN TONS	D/WT IN TONS	T.P.I.	M.C.T.I.	FRESH WATER 36 cu.ft/ton M.C.T.I.	T.P.I.	D/WT IN TONS	DISPL. IN TONS	DRAFT IN FEET
17			52	1300	1200	50		7000	17
	7000	3000		1200			3000		
16			50	1100	1100	48			16
								6000	
15	6000	2000	48	1000	1000	46	2000		15
14			46	900	900	44			14
								5000	
13	5000	1000	44	800	800	42	1000		13
12			42						12
				700	700	40		4000	
11	4000	0					0		11
			40						
10				600	600	38			10
								3000	
9	3000		38			36			9
				500	500				
8			36			34			8
								2000	
7	2000		34						7
						32			
6									6

OIL TANKS		100% FULL	98% FULL			
TANKS	FRS.	TOTAL CAPACITY CU.FT.	CAPACITY OF TANK GALLONS @ 5 FT. ½ FULL	TONS AT 287 CU.FT. /TON	V.C.G. ABOVE BASE LINE FT.	L.C.G. FROM ⊠ 66½ FT.
OIL FUEL TANK	107-118	1460.28	69610.6	255.69	10.09	55.52 F.
DIESEL OIL SERVICE TANK P.	61-66	1425.61	1885.8	32.63	10.46	63.84 A.
DIESEL OIL SERVICE TANK S.	61-66	1425.61	1885.8	32.63	10.46	63.84 A.
TOTAL		14,312.6	86383.9	320.95		
SLUDGE TANK C. (D.B.)	87-90	888.3	1760.2	6.47	1.765	0.75 A.
OVERFLOW TANK P. (D.B.)	57-90	1223.46	1364.2	5.01	1.736	0.75 A.

LUB. OIL TANKS		100% FULL	98% FULL			
TANKS	FRS.	TOTAL CAPACITY CU.FT.	CAPACITY OF TANK GALLONS @ 5 FT. ½ FULL	TONS AT 287 CU.FT. /TON	V.C.G. ABOVE BASE LINE FT.	L.C.G. FROM ⊠ 66½ FT.
L.O. STORAGE TANK	89-91	846.6	1501.9	5.52	16.43	5.00 F.
L.O. RENOVATING TANK	91-98	846.6	1501.9	5.52	16.43	0.00 F.
L.O. DRAIN TANK (D.BOTTOM)	87-90	66.86	395.8	1.45	1.771	0.75 A.
PROPELLER OIL TANK P. (D.B.)	25-37	37.78	230.7	0.84	1.776	132.0 A.
PROPELLER OIL TANK S. (D.B.)	25-37	37.78	230.7	0.84	1.776	132.0 A.
TOTAL		632.46	3861.1	14.17		

FRESH WATER TANKS					
TANKS	FRS.	TOTAL CAPACITY CU.FT.	TONS AT 36 CU.FT. /TON	V.C.G. ABOVE BASE LINE FT.	L.C.G. FROM ⊠ 66½ FT.
FORD FRESH WATER TANK	181-188	2071.93	162.66	12.09	76.91 F.
AFT FRESH WATER TANK	20-28	5633.26	157.87	12.30	87.41 A.
TOTAL		11755.17	326.03		
FEED WATER TANK (D.B.)	51-94	576.6	16.02	1.765	9.25 F.

WATER BALLAST TANKS					
TANKS	FRS.	TOTAL CAPACITY CU.FT.	TONS AT 35 CU.FT. /TON	V.C.G. ABOVE BASE LINE FT.	L.C.G. FROM ⊠ 66½ FT.
FORE PEAK TANK	170-FWD	1871.28	53.48	18.65	203.38 F.
FOR'D TRIMMING TANK	158-170	7116.25	203.31	17.41	180.77 F.
NO.1 D.B. TANK	133-158	1319.88	37.71	1.97	130.66 F.
NO.2 D.B. TANK	112-133	1051.69	30.04	2.08	85.16 F.
NO.3 D.B. TANK	85-112	3800.90	108.74	1.76	40.47 F.
STABILIZER TANK	94-104	11194.65	319.83	12.09	25.60 F.
NO.4 D.B. (HEELING) TANK P.	61-94	2608.66	74.16	1.93	32.57 A.
NO.4 D.B. TANK CENTRE	76-87	2114.17	60.40	1.77	18.85 A.
NO.4 D.B. (HEELING) TANK S.	61-94	2608.66	74.16	1.93	32.57 A.
NO.5 D.B. TANK P.	37-61	2653.10	75.66	1.88	98.69 A.
NO.5 D.B. TANK S.	37-61	2653.10	75.66	1.88	98.69 A.
AFT TRIMMING TANK	16-26	14669.57	419.43	16.87	148.30 A.
TOTAL		61382.28	1756.74		

CARS DECK LOADING

1. CARS STOWAGE; CAPACITY ON MAIN DECK AND PLATFORM = 159 CARS TOTAL.
2. TRAILER STOWAGE; CAPACITY (PLATFORM, STOWED) = 90 TRAILERS OR 7 TRACTORS WHEN LOADED BY THE STERN, = 99 TRAILERS & 7 TRACTORS WHEN LOADED BY BOW.
3. CLEAR HEADROOM IN VEHICLE SPACE = 15'-3"

ASSUMED DIMENSIONS OF TRAILER AND TRACTOR:

LENGTH = 38'-0", WIDTH = 8'-0", HEIGHT ABOVE DECK = 14'-0"

ASSUMED DIMENSIONS OF TRAILER:

LENGTH = 45'-0", WIDTH 8'-0", HEIGHT ABOVE DECK = 14'-0"

THE MAIN DECK SCANTLINGS HAVE BEEN DETERMINED CONSIDERING A WEIGHT OF 32000 lbs ON THE TRAILER MAIN AXLES IN ACCORDANCE WITH "C.S. STANDARD 15-1966 "DESIGN OF HIGHWAY BRIDGES."

WEIGHT OF TRAILER 64000 lbs (28.57 L.TONS)

WEIGHT OF TRAILER AND TRACTOR 72000 lbs. (32.14 L.TONS)

PRINCIPAL DIMENSIONS

LENGTH O.A.	465'-0"
LENGTH B.P.	440'-0"
BREADTH (MLD.)	66'-0"
BREADTH EXTREME (OVER FENDERS)	67'-0 5/16"
DEPTH (MLD.) TO VEHICLE DECK	21'-0"
DEPTH (MLD.) TO UPPER DECK	40'-0"
DRAFT ALL SEASONS (FULL)	15'-3"
DEADWEIGHT AT THIS DRAFT IN S.W.	2408 TONS.

MACHINERY.

4 (FOUR) G.M. MODEL 16-645 E-5 MARINE PROPULSION ENGINES, EACH RATED AT 2275 BHP AT 900 RPM, TOTAL 11500 BHP.
3 (THREE) G.M. DIESEL DRIVEN GENERATOR SETS EACH RATED 650 K.W. WITH 600 VOLTS 3 PHASE, 60 CYCLES, 900 R.P.M.
2 (TWO) HAMMERTHY - AIR COMPRESSOR, CAPACITY 465 CU.FT./MIN. AT 600 P.S.I.G.
2 (TWO) STEAM GENERATOR BOILERS MODEL 6768 TOTAL OUTPUT CAPACITY 1800 LB/HOUR AT 40 PSIG.
2 (TWO) KaMeWa, C.P. 4 BLADED PROPELLERS 122 INCHES DIA., 250 RPM, WEIGHT 10274 lbs.

OFFICIAL NUMBER 331 571

UNDER DECK TONNAGE	8473.92
GROSS TONNAGE	10,108.58
REGISTERED TONNAGE	7,012.21

CLASS: LLOYDS REGISTER OF SHIPPING + 100A1, + LMC, "FOR BAY OF FUNDY SERVICES."

AND: "CANADIAN BOARD OF STEAM SHIP INSPECTION" HOME TRADE CLASS III" FOR 650 PASSENGERS 62 CREW; FOR SERVICE NOT EXCEEDING 10 HOURS.

COMPLEMENT.

CAPTAIN	
CHIEF OFFICER	
OFFICERS	
PURSER	
CHIEF ENGINEER	
PETTY OFFICERS	
STEWARDS	
RATINGS	
TOTAL	42.

PRINCESS OF ACADIA

YARD NO. 1098

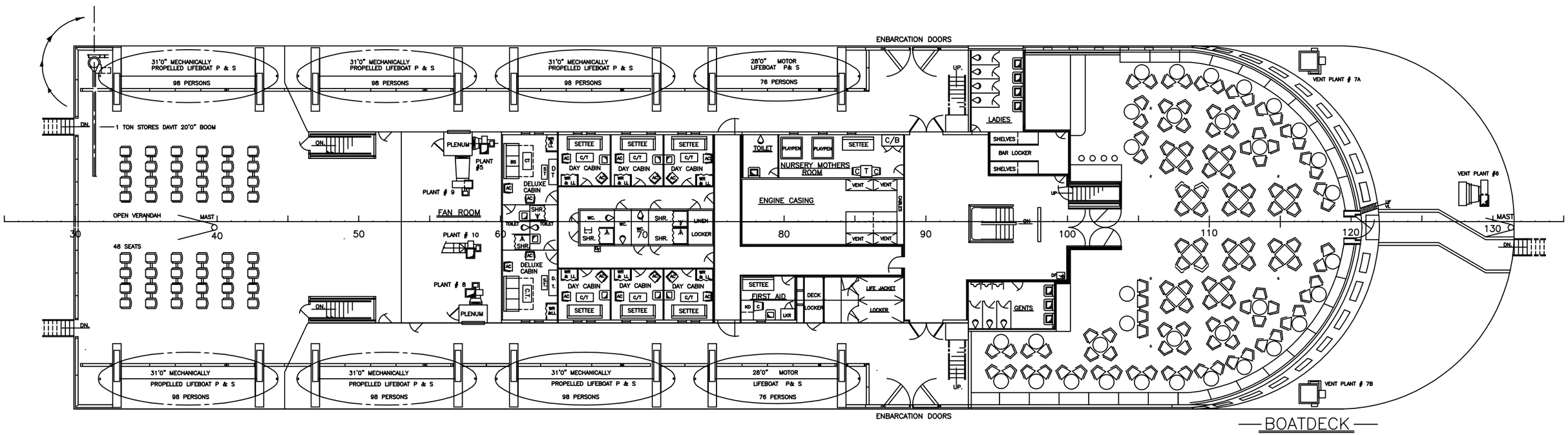
BUILT BY

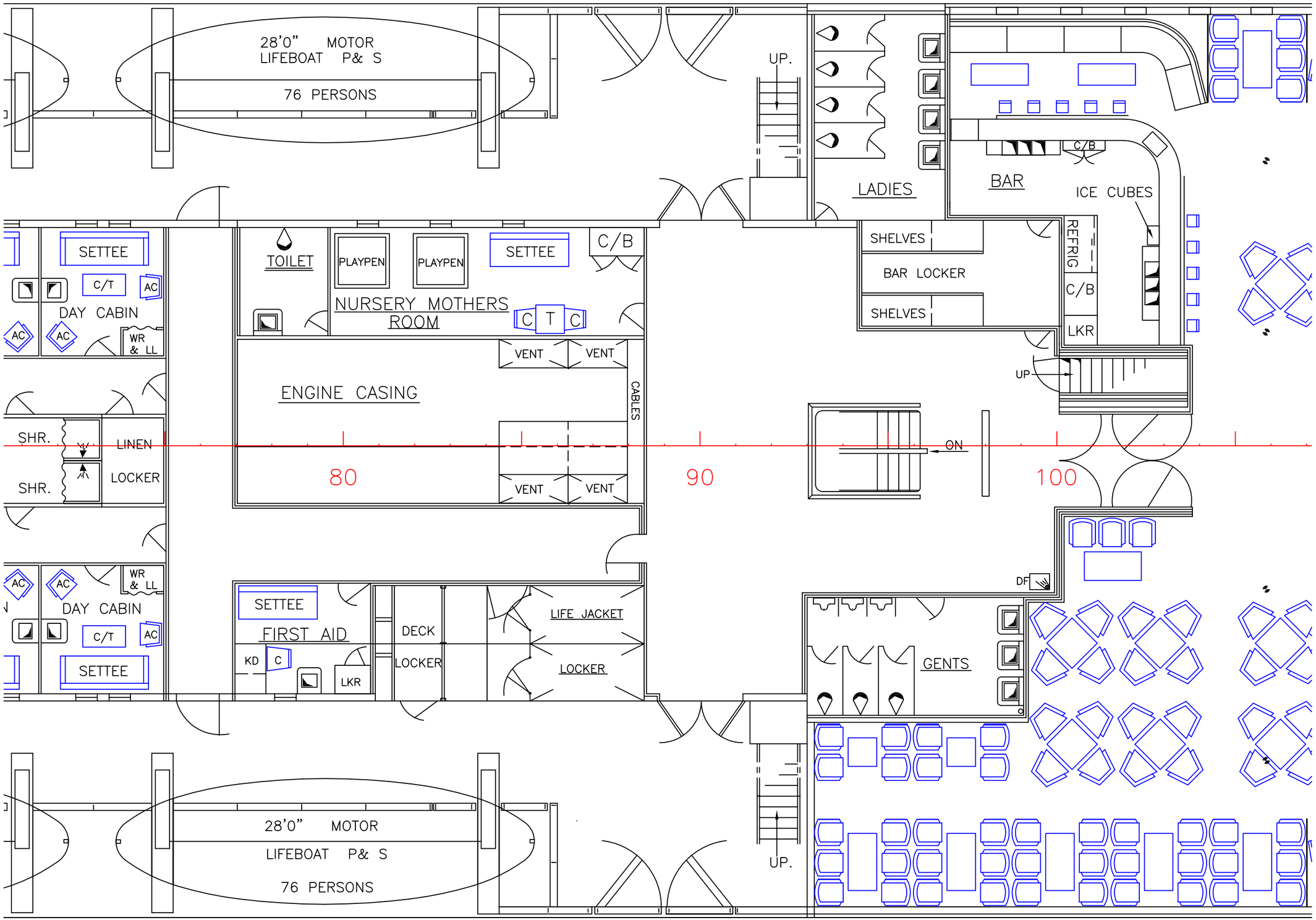
SAINT JOHN SHIPBUILDING & DRY DOCK CO. LTD.

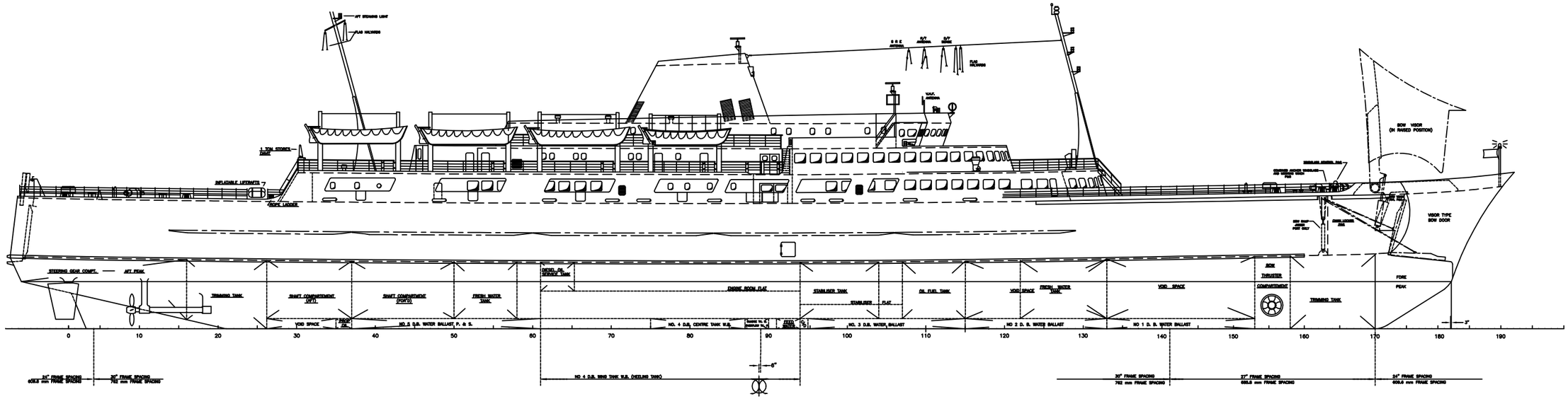
CAPACITY PLAN

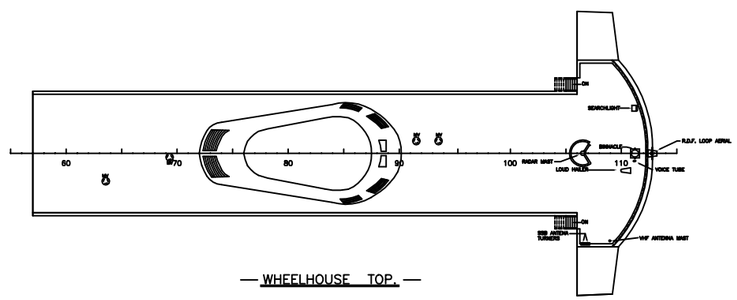
PARTICULARS ARE GIVEN IN GOOD FAITH BUT ARE NOT GUARRANTEED

1098-D-2

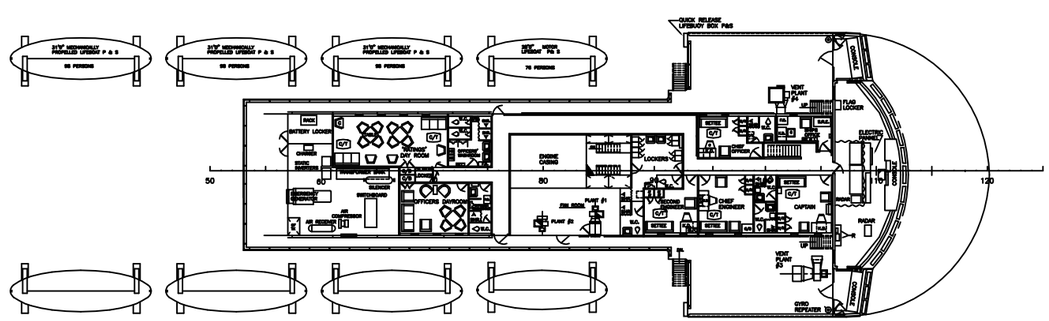

ENBARCATION DOORS
31'0" MECHANICALLY PROPELLED LIFEBOAT P & S
98 PERSONS
28'0" MOTOR LIFEBOAT P& S
76 PERSONS
1 TON STORES DAVIT 20'0" BOOM
DN.
ON.
UP.
OPEN VERANDAH
MAST
48 SEATS
PLENUM
PLANT #5
PLANT # 9
PLANT # 10
PLANT # 8
FAN ROOM
DELUXE CABIN
DAY CABIN
SETTEE
C/T
WR & LL
AC
TOILET
SHR.
WC.
LINEN
LOCKER
NURSERY MOTHERS ROOM
PLAYPEN
C/B
VENT
ENGINE CASING
FIRST AID
DECK
LIFE JACKET
LADIES
SHELVES
BAR LOCKER
GENTS
VENT PLANT # 7A
VENT PLANT #6
VENT PLANT # 7B
30
40
50
60
70
80
90
100
110
120
130
BOATDECK


ENBARCATION DOORS
28'0" MOTOR
LIFEBOAT P& S
76 PERSONS
UP.
LADIES
BAR
C/B
ICE CUBES
SHELVES
BAR LOCKER
SHELVES
REFRIG
C/B
LKR
UP
SETTEE
C/T
AC
DAY CABIN
AC
AC
WR
& LL
TOILET
PLAYPEN
PLAYPEN
SETTEE
C/B
NURSERY MOTHERS
ROOM
C T C
VENT
VENT
ENGINE CASING
CABLES
SHR.
LINEN
LOCKER
SHR.
80
VENT
VENT
90
ON
100
AC
AC
WR
& LL
DAY CABIN
C/T
AC
SETTEE
SETTEE
FIRST AID
KD
C
LKR
DECK
LOCKER
LIFE JACKET
LOCKER
DF
GENTS
28'0" MOTOR
LIFEBOAT P& S
76 PERSONS
UP.
ENBARCATION DOORS





— WHEELHOUSE TOP. —



— NAVIGATING BRIDGE DECK. —

NO	BY	REVISIONS	DATE	NO	BY	REVISIONS	DATE	NO	BY	REVISIONS	DATE

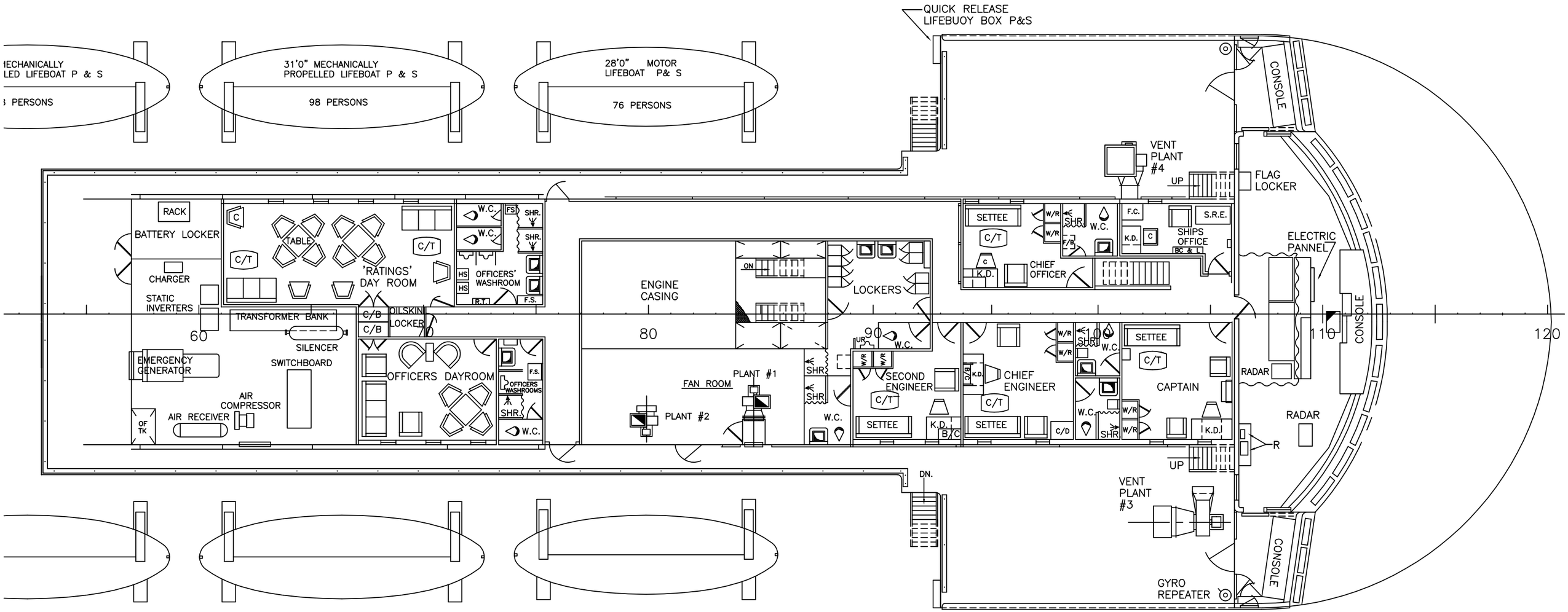
X– ARCH., STRUC., MECH., ECT...
Y– DETAIL NO.
Z– SHEET NO.

LOCATION

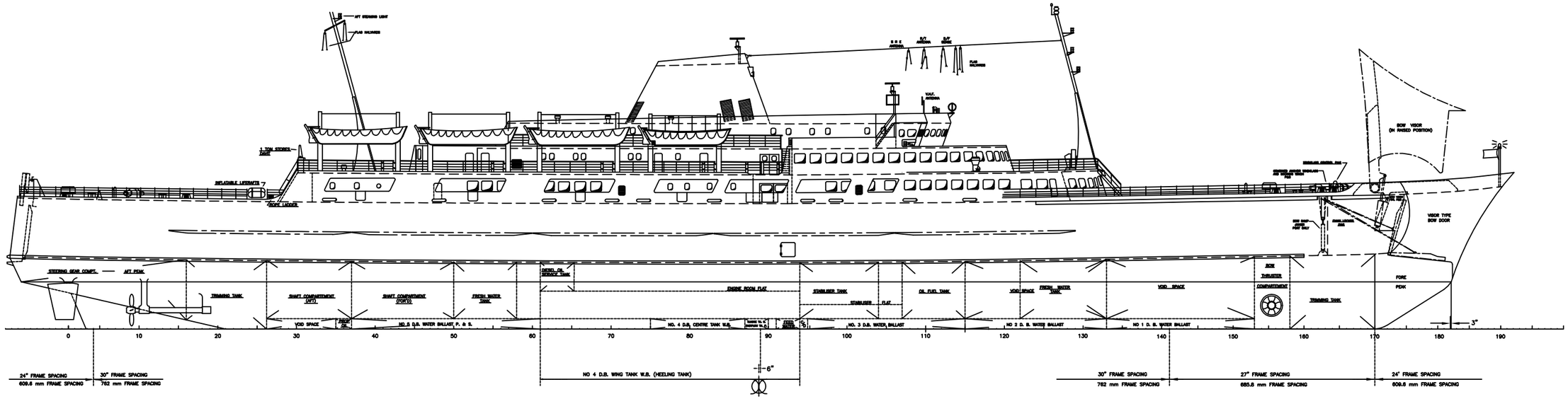
PROJECT TITLE

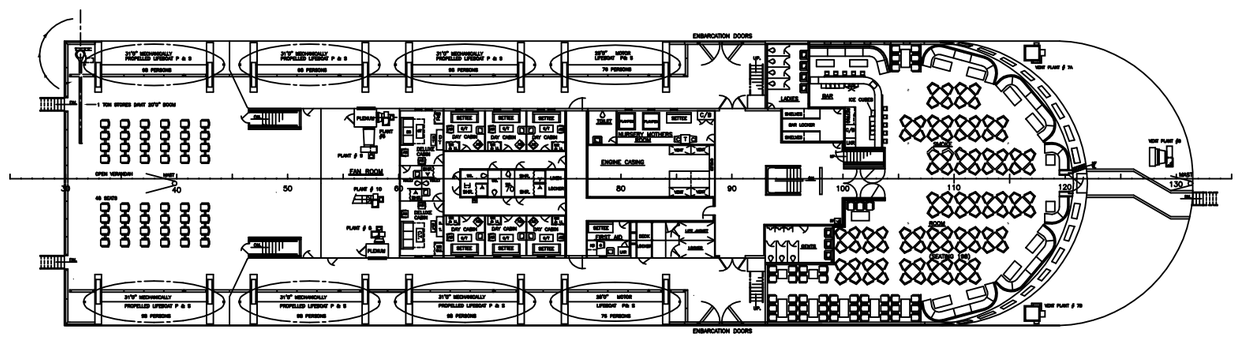
DRAWING TITLE
M.V. "PRINCESS OF ACADIA"
HULL # 1089
BUILT BY
SAINT JOHN SHIPBUILDING & DRYDOCK CO. LTD.
SAINT JOHN N.B. CANADA
GENERAL ARRANGEMENT

DESIGNED BY	APPR. BY
DRAWN BY	PROJECT NO.
SCALE 1 = 200 MM	DRAWING NO.
DATE	SHEET NO. 2 OF 3

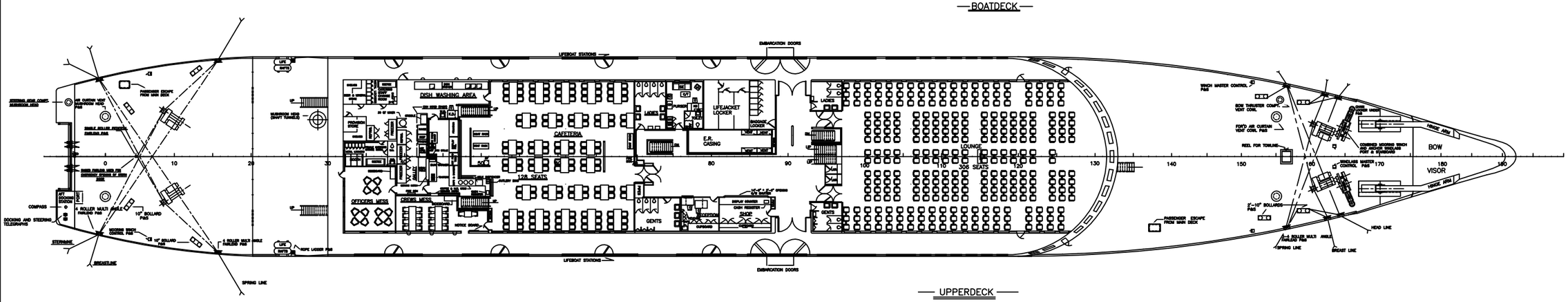


NAVIGATING BRIDGE DECK.





BOATDECK



UPPERDECK

NO	BY	REVISIONS	DATE	NO	BY	REVISIONS	DATE	NO	BY	REVISIONS	DATE

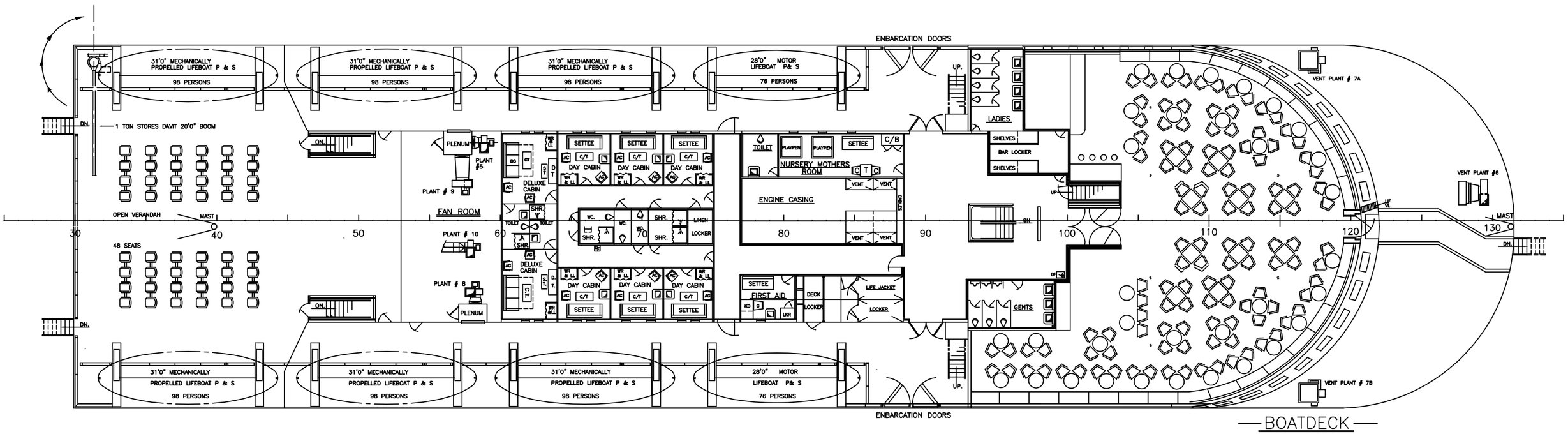
X– ARCH., STRUC., MECH., ECT...
Y– DETAIL NO.
Z– SHEET NO.

LOCATION

PROJECT TITLE

DRAWING TITLE
M.V. "PRINCESS OF ACADIA"
HULL # 1089
BUILT BY
SAINT JOHN SHIPBUILDING & DRYDOCK CO. LTD.
SAINT JOHN N.B. CANADA
GENERAL ARRANGEMENT

DESIGNED BY	APPR. BY
DRAWN BY	PROJECT NO.
SCALE 1 = 200 MM	DRAWING NO.
DATE	SHEET NO. 3 OF 3


ENBARCATION DOORS
31'0" MECHANICALLY PROPELLED LIFEBOAT P & S
98 PERSONS
28'0" MOTOR LIFEBOAT P& S
76 PERSONS
1 TON STORES DAVIT 20'0" BOOM
DN.
ON.
UP.
OPEN VERANDAH
MAST
48 SEATS
PLENUM
PLANT #5
PLANT # 9
FAN ROOM
PLANT # 10
PLANT # 8
DELUXE CABIN
SHR.
TOILET
SETTEE
DAY CABIN
C/T
WR. & LL.
AC
WC.
LINEN
LOCKER
TOILET
PLAYPEN
NURSERY MOTHERS ROOM
C T C
VENT
ENGINE CASING
STAIRS
C/B
LADIES
SHELVES
BAR LOCKER
GENTS
FIRST AID
KD
C
UR
DECK
LIFE JACKET
VENT PLANT # 7A
VENT PLANT # 6
VENT PLANT # 7B
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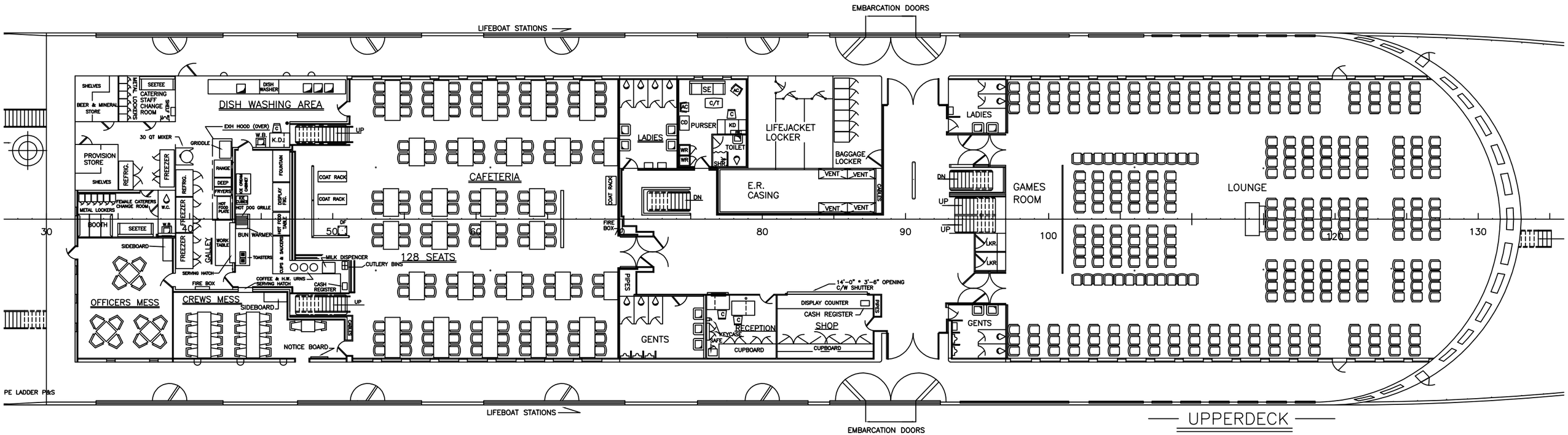
BOATDECK


EMBARCATION DOORS
LIFEBOAT STATIONS
DISH WASHING AREA
DISH WASHER
SHELVES
BEER & MINERAL STORE
SEETEE
CATERING STAFF CHANGE ROOM
METAL LOCKERS
SHELF
W.H.
30 QT MIXER
GRIDDLE
EXH HOOD (OVER)
W.B.
K.D.J
UP
PROVISION STORE
SHELVES
REFRIG.
FREEZER
REFRIG.
FREEZER
RANGE
DEEP
FRYERS
ICE CREAM CABINET
ICE CUBES
HOT DOG GRILLE
HOT FOOD PLATE
FOUNTAIN
DISPLAY TBL.
HOT FOOD TABLE
FEMALE CATERERS CHANGE ROOM
METAL LOCKERS
W.C.
W.B.
BOOTH
SEETEE
SIDEBOARD
FREEZER
FREEZER
GALLEY
WORK TABLE
BUN WARMER
TOASTERS
CUPS & SAUCERS
MILK DISPENSER
CUTLERY BINS
SERVING HATCH
FIRE BOX
COFFEE & H.W. URNS
SERVING HATCH
CASH REGISTER
UP
OFFICERS MESS
CREWS MESS
SIDEBOARD
NOTICE BOARD
STAIRS
COAT RACK
COAT RACK
CAFETERIA
128 SEATS
DF
COAT RACK
FIRE BOX
PIPES
LADIES
SE
C/T
AC
CD
PURSER
KD
C
TOILET
WR
WR
SINK
LIFEJACKET LOCKER
BAGGAGE LOCKER
DN
E.R. CASING
VENT
VENT
VENT
VENT
STAIRS
GENTS
RECEPTION
KEYCASE
SAFE
CUPBOARD
14'-0" * 3'-6" OPENING C/W SHUTTER
DISPLAY COUNTER
CASH REGISTER
SHOP
CUPBOARD
PIPES
LADIES
DN
UP
UP
UKR
UKR
GAMES ROOM
GENTS
LOUNGE
30
40
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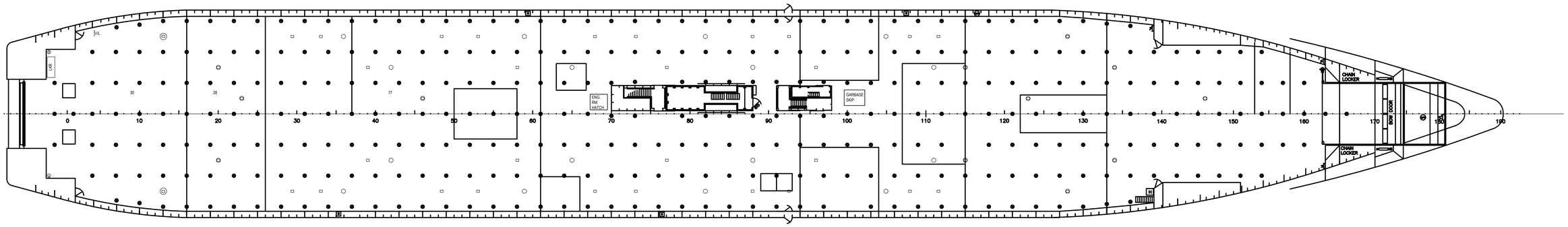
120
130
PE LADDER P&S
LIFEBOAT STATIONS
EMBARCATION DOORS
UPPERDECK

REV.	DATE	BY:	CHK:	DESCRIPTION
A	19/12/08	GW	–	CLIENT REVIEW



PLAN 1–4D

CAR DECK DECK FITTING PLAN

SCALE 1:200

GENERAL NOTES:

1. TRANSVERSE LANE SPACING REDUCED FROM 3.125M TO 3.0 M TO BE INLINE WITH IMO RESOLUTION A.581(14).
2. TYPICAL DECK FITTING WILL BE RAISED CLOVER LEAF TYPE.
3. RAISED CLOVER LEAF DECK FITTINGS LONGITUDINALLY SPACED EVERY 3 FRAMES (2.286M).
4. RAISED ISO DECK SOCKETS FITTED FOR SECURING TRUCK HORSES.
5. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS NOTED OTHERWISE.

PRELIMINARY

Allswater NAVAL ARCHITECTS & ENGINEERS

TITLE: "PRINCESS OF ACADIA"

LASHING PLAN

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CLIENT: NFL			DATE: 19/12/08	SHEET: 1 OF 3
APPROVALS CLIENT:	DWG: GW	SIZE: A1	SCALE: X:XX U.N.O.	DWG NO:
CLASS: FLAG:	CHK: -	STATUS: DRAFT	REV: A	08079 -100-A-001

REV.	DATE	BY:	CHK:	DESCRIPTION
A	19/12/08	GW	–	CLIENT REVIEW

FIVE 53' DROP TAILERS

SIX 53' DROP TAILERS

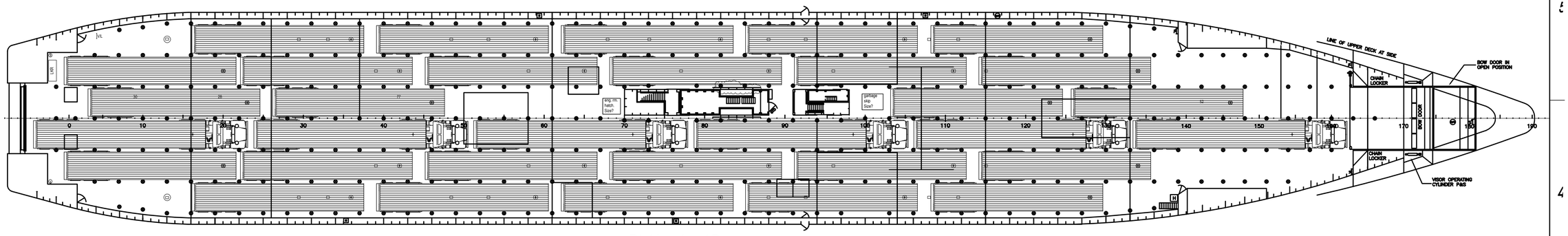
FOUR 53' DROP TAILERS

SIX TRACTORS WITH 53' TRAILERS

SIX 53' DROP TAILERS

FIVE 53' DROP TAILERS

TOTAL: 32 – 53' DROP TAILERS
6 – TRACTORS



PLAN 1–4D

CAR DECK LOADED WITH 53' TRAILERS

LOADED BY STERN DOOR

SCALE 1:200

SIX 45' DROP TAILERS

SEVEN 45' DROP TAILERS

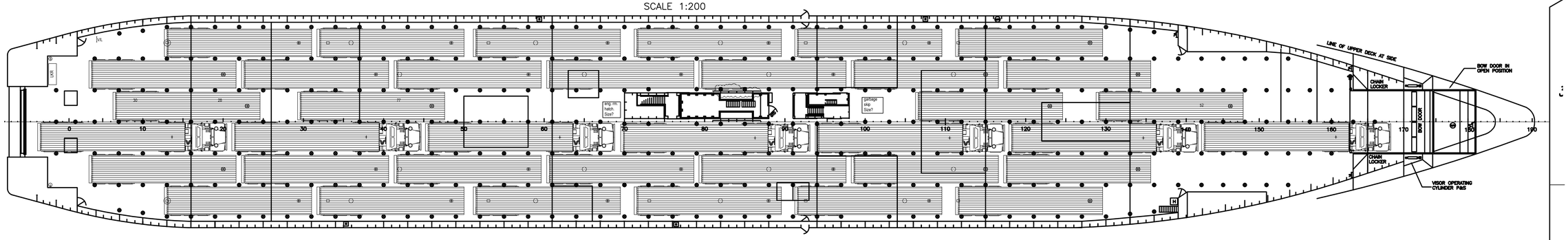
FOUR 45' DROP TAILERS

SEVEN TRACTORS WITH 45' TRAILERS

SEVEN 45' DROP TAILERS

SIX 45' DROP TAILERS

TOTAL: 37 – 45' DROP TAILERS
7 – TRACTORS



PLAN 1–2D

CAR DECK LOADED WITH 45' TRAILERS

LOADED BY STERN DOOR

SCALE 1:200

PRELIMINARY

Allswater
NAVAL ARCHITECTS & ENGINEERS

TITLE: "PRINCESS OF ACADIA"

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CLIENT: NFL			DATE: 19/12/08	SHEET: 2 OF 3
APPROVALS	DWG: GW	SIZE: A1	SCALE: X:XX U.N.O.	DWG NO:
CLIENT:				
CLASS:	CHK: -	STATUS: DRAFT	REV: A	08079 -100-A-001
FLAG:				

REV.	DATE	BY:	CHK:	DESCRIPTION
A	19/12/08	GW	–	CLIENT REVIEW

FIVE 53' DROP TAILERS

SIX 53' DROP TAILERS

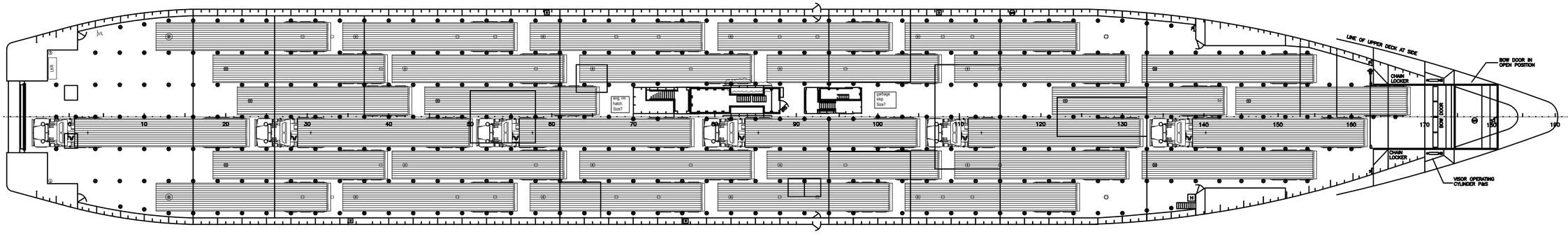
FOUR 53' DROP TAILERS

SIX TRACTORS WITH 53' TRAILERS

SIX 53' DROP TAILERS

FIVE 53' DROP TAILERS

TOTAL: 32 – 53' DROP TAILERS
6 – TRACTORS



PLAN 1–4D

CAR DECK LOADED WITH 53' TRAILERS

LOADED BY BOW DOOR

SCALE 1:200

SIX 45' DROP TAILERS

SEVEN 45' DROP TAILERS

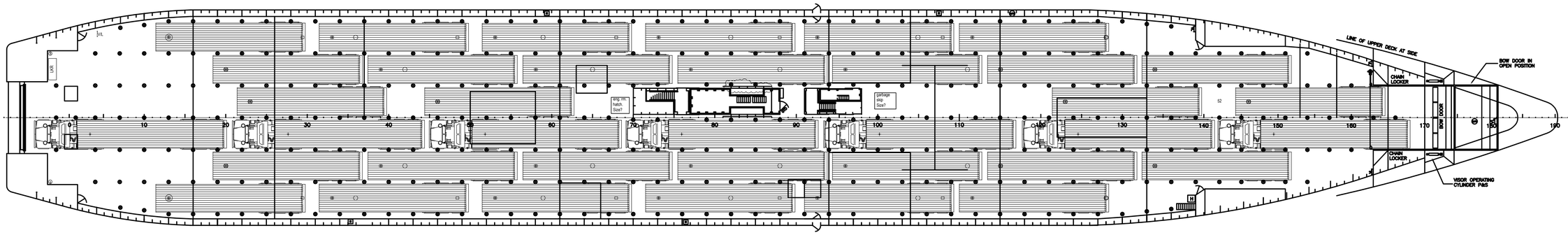
FOUR 45' DROP TAILERS

SEVEN TRACTORS WITH 45' TRAILERS

SEVEN 45' DROP TAILERS

SIX 45' DROP TAILERS

TOTAL: 37 – 45' DROP TAILERS
7 – TRACTORS



PLAN 1–2D

CAR DECK LOADED WITH 45' TRAILERS

LOADED BY BOW DOOR

SCALE 1:200

PRELIMINARY

Allswater
NAVAL ARCHITECTS & ENGINEERS

TITLE: "PRINCESS OF ACADIA"

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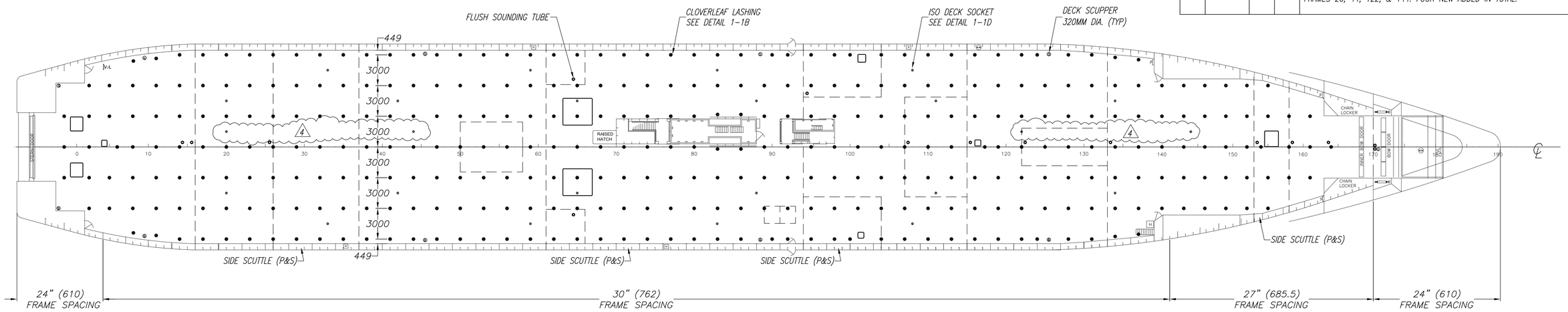
CLIENT: NFL			DATE: 19/12/08	SHEET: 3 OF 3
APPROVALS	DWG: GW	SIZE: A1	SCALE: X:XX U.N.O.	DWG NO:
CLIENT:				
CLASS:	CHK: -	STATUS: DRAFT	REV: A	08079 -100-A-001
FLAG:				

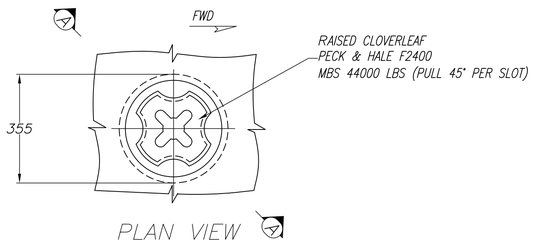
REV.	DATE	BY:	CHK:	DESCRIPTION
0	12/01/09	GW	EW	CLIENT REVIEW
1	16/01/09	GW	EW	REMOVED TRUCK HORSE LASHING POINTS FROM PORT CENTRE LANE
2	19/01/09	GW	RC	REMOVED SHTS. 2&3 ADDED DETAILS 1-1B & 1-1D ADDED FRAME SPACING INFORMATION
3	01/15/10	GW	RC	NEW LARGER CLOVERLEAF LASHING. NEW MODEL F2400. DK. HATCHES, SCUPPERS, & SOUNDINGS ADDED ADDED NOTES
4	02/25/10	GW	RC	RAISED ISO DECK SOCKETS ADDED FORE AND AFT OF ACCESS TRUNK AT FRAMES 20, 44, 122, & 144. FOUR NEW ADDED IN TOTAL.



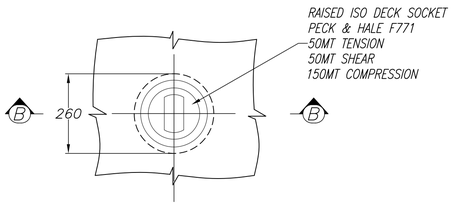
PLAN 1-4D

CAR DECK LASHING POINTS ARRANGEMENT

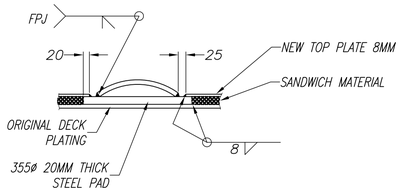
SCALE 1:200



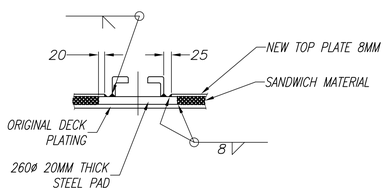
PLAN VIEW



PLAN VIEW



SECTION A-A



SECTION B-B

DETAIL 1-1B

TYPICAL RAISED CLOVERLEAF LASHING POINT

358 OFF

SCALE 1:10

DETAIL 1-1D

TYPICAL RAISED ISO DECK SOCKET LASHING POINT

20 OFF

SCALE 1:10

GENERAL NOTES:

1. LANE WIDTHS AND LASHING POINT SPACING IN ACCORDANCE WITH IMO RESOLUTION A.581(14).
2. TRANSVERSE LANE SPACING REDUCED FROM 3.125M TO 3.0 M TO BE INLINE WITH IMO RESOLUTION A.581(14).
3. TYPICAL DECK FITTING WILL BE RAISED CLOVER LEAF TYPE.
4. RAISED CLOVER LEAF DECK FITTINGS LONGITUDINALLY SPACED EVERY 3 FRAMES (MAX. 2.286M) AND CENTERED ON TRANSVERSE DECK STIFFENERS.
5. RAISED ISO DECK SOCKETS FITTED FOR SECURING TRUCK HORSES TO BE CENTERED ON TRANSVERSE DECK STIFFENERS AT FRAMES INDICATED IN CENTRE OF LANE.
6. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS NOTED OTHERWISE.
7. REFERENCE INTELLIGENT ENGINEERING DRAWING POD08755-001-01 FOR MATERIALS AND ADDITIONAL INSTALLATION DETAILS.
8. NDT & LOAD TESTING PER DIRECTION OF ATTENDING LLOYDS SURVEYOR.

CLASSIFICATION APPROVAL

08079-100-A-001 REV. 2 WAS APPROVED BY LR. REFERENCE MARINE DESIGN APPRAISAL DOCUMENT SST 144180

Allswater NAVAL ARCHITECTS & ENGINEERS

TITLE: "PRINCESS OF ACADIA"

LASHING PLAN

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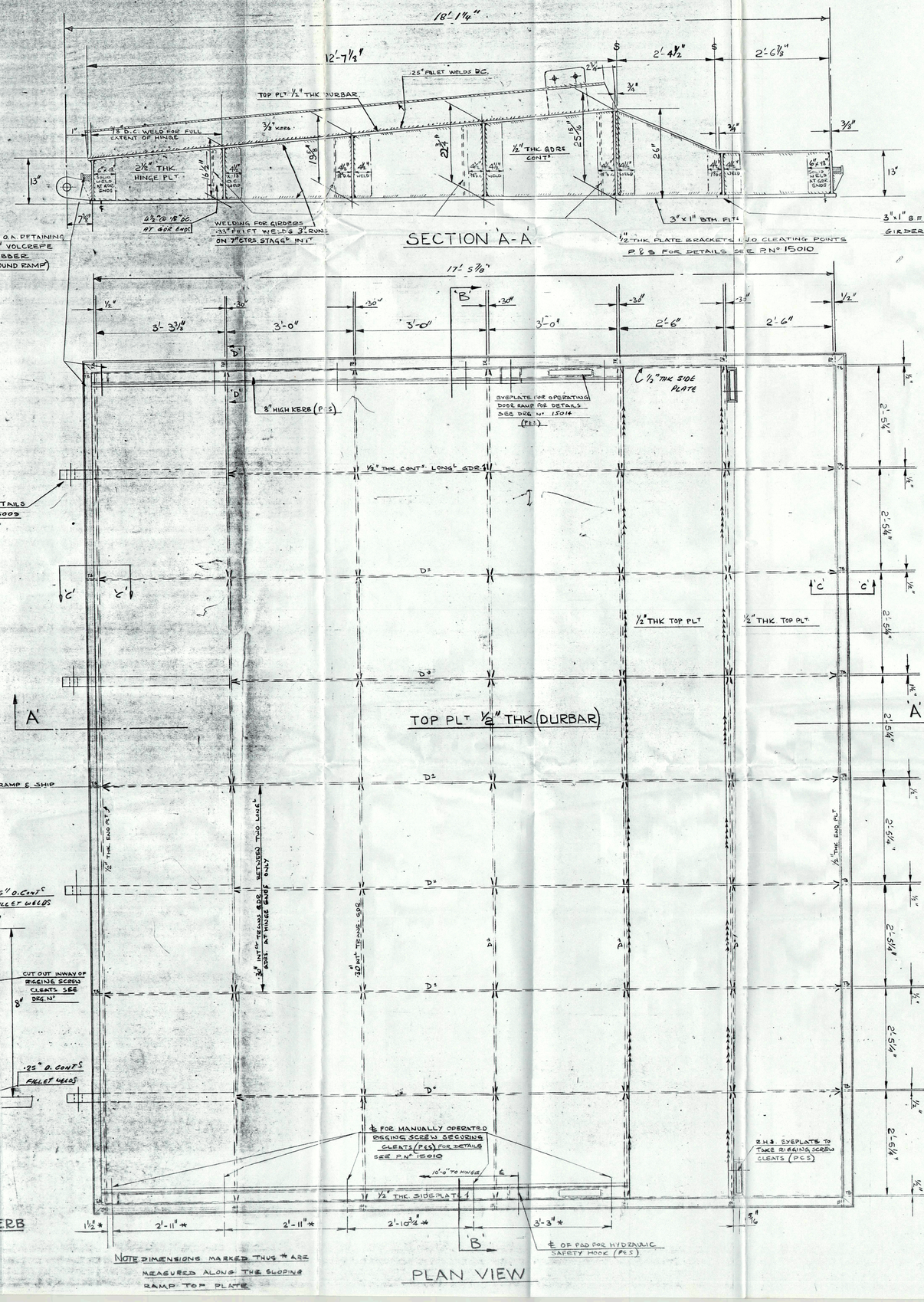
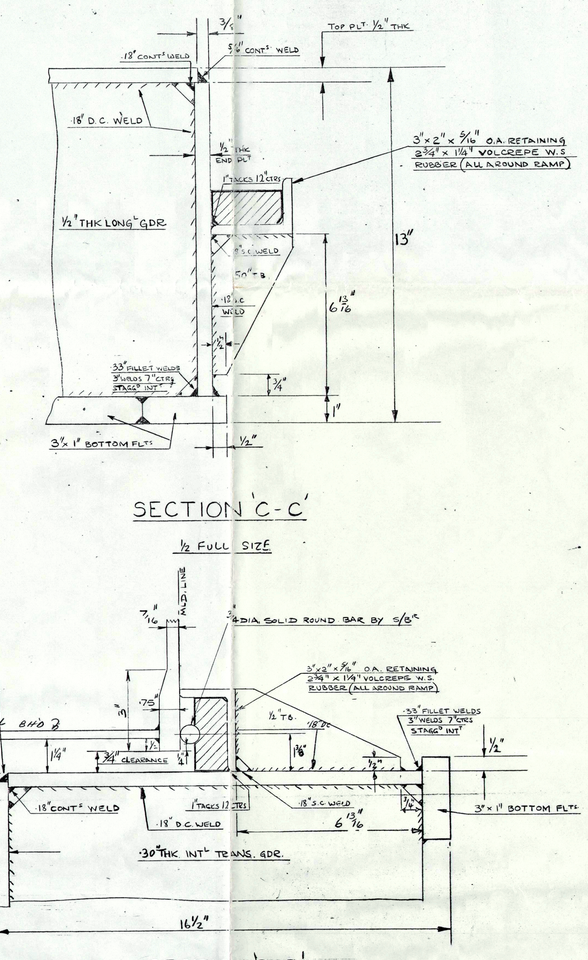
CLIENT: NFL			DATE: 12/01/09	SHEET: 1 OF 1
APPROVALS	DWG: GW	SIZE: A1	SCALE: 1:200	DWG NO:
CLIENT:				
CLASS:	CHK: EW	STATUS: ISSUED	REV: 4	08079 -100-A-001
FLAG:				

P Nº 15008 2 SHEETS

SHEET Nº 1





APPROX. WT. OF MATERIAL

ITEM	DIMEN^N (FT)	Nº OFF	MATERIAL WEIGHT	TOTAL WT
BOW RAMP TOP PLATE	12·60 × 13·818 × 1/2"	1	23 LBS/□'	5,730
M.S. TOP PLT	2·69 × 13·818 × 1/2"	1	20·4 LBS/□'	1,024
" "	2·57 × 13·818 × 1/2"	1	20·4 LBS/□'	1,030
LONG^L GDRS.	2475 SQ FT	5	20·4 LBS/□'	2525
" "	2084 SQ FT	4	20·4 LBS/□'	1,700
HINGE ARM	4·098 SQ FT	4	102·0 LBS/□'	1,670
BTM FLTS.	(3" × 1") 193·50 LINEAL FT	1	10·2 LBS/FT	1,972
TRANS. GDRS	19·5' × ·353'	1	12·24 LBS/□'	223
" "	19·5' × 1·25'	1	12·24 LBS/□'	298
" "	19·5' × 1·51'	1	12·24 LBS/□'	361
" "	19·5' × 1·677'	1	12·24 LBS/□'	401
" "	19·5' × 2·06'	1	12·24 LBS/□'	496
END PLTS	19·85 × ·998'	2	20·4 LBS/□'	776
O.A. RETAINER	(5'-2 5/16") 75·54'	1 (TOTAL LENGTH)	53 LBS/FT	401·1
T SECTS.	1·46 □'	1 (TOTAL)	20·4 LBS/□'	29·8
KERB TOP PLT	11·25' × (25" × 3/8")	2	3·33 LBS/FT	76·1
" SIDE PLT	12·0' (4·45 × 3/8)	2	10·2 LBS/FT	245·0
" BKTS.	·66' × ·29'	32	20·4 LBS/□'	78
W.S. RUBBER.	(2 3/4" × 1 1/4") 75·54'	1 (TOTAL LENGTH)	1·25 LBS/FT	94·5
				19,130·4
			+2 1/2% WELD.	478·0
				19,608·4

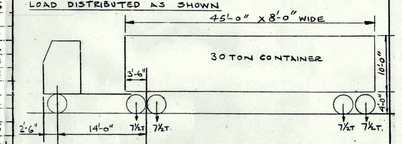
TOTAL WT. 8·75 TONS

CANADA DEPARTMENT OF TRANSPORT
OCT 3 1969
Board of Steamship Inspection
APPROVED
W. Hyslop
Chairman

SUBJECT TO THE COMPLETED INSTALLATION BEING TO THE SATISFACTION OF THE STEAMSHIP INSPECTOR

NOTES :-

SCANTLINGS WORKED IN ASSOCIATION WITH A STRESS OF 6·1 TONS/SQ/INS. TO SUIT A WATER PRESSURE HEAD OR A DECK LOADING OF TWO 30 TON CONTAINERS WITH LOAD DISTRIBUTED AS SHOWN



16 HIGHWAY LINE LOADING OF H20-S16 AS PER CANADIAN STDS ASSOCIATION. SPECIFICATION S6-1966

SHOT BLAST & PRIMER

98-H-1588 Sheet 2

CLASSIFICATION

LLOYDS REGISTER OF SHIPPING +100 A1. + L.M.

"FOR BAY OF FUNDY SERVICES"

CANADIAN BOARD OF STEAM SHIP INSPECTION

QUALITY OF WELDING TO LLOYDS REQUIREMENTS

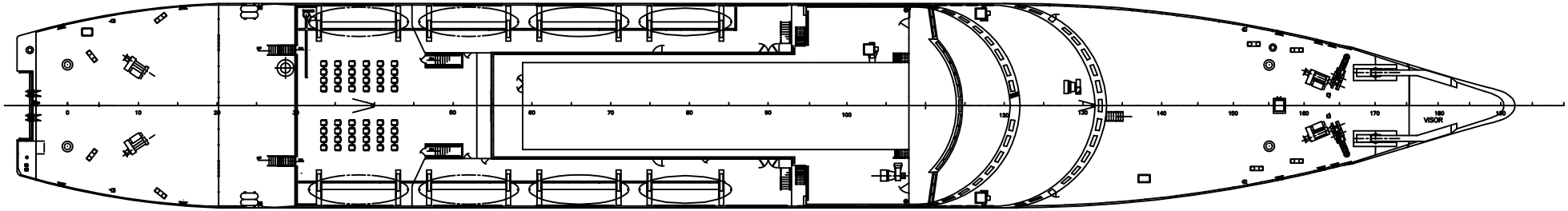
48

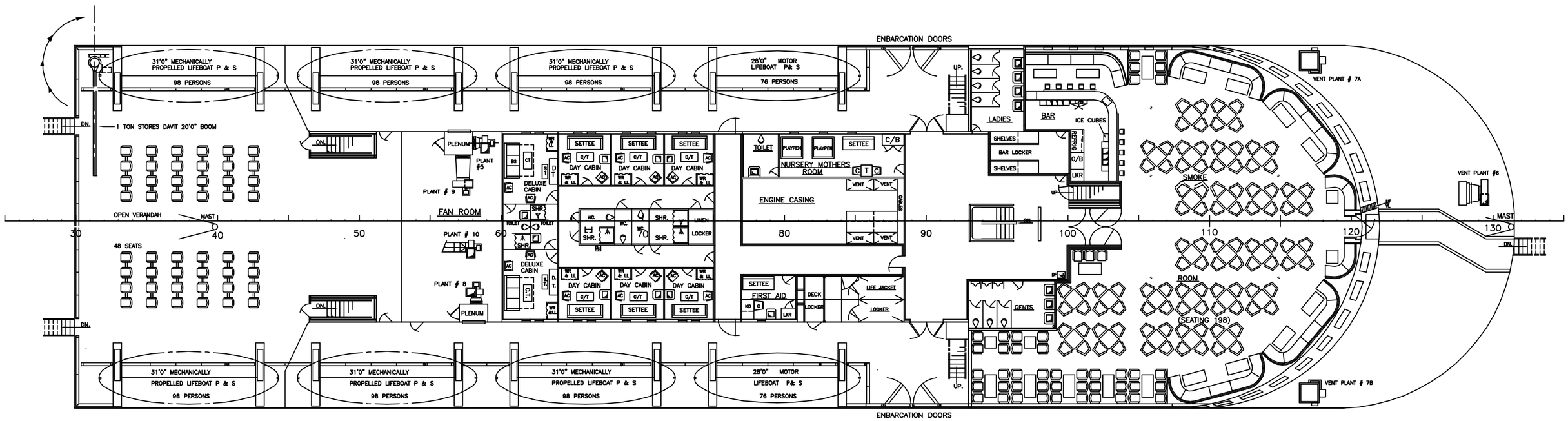
SUBMITTED FOR APPROVAL OF SCANTLINGS ONLY

MACGREGOR & CO.
NAVAL ARCHITECTS
1 OCT 1969

MacGREGOR & CO. (NAVAL ARCHITECTS) LTD.
MacGREGOR HOUSE WHITLEY BAY ENGLAND

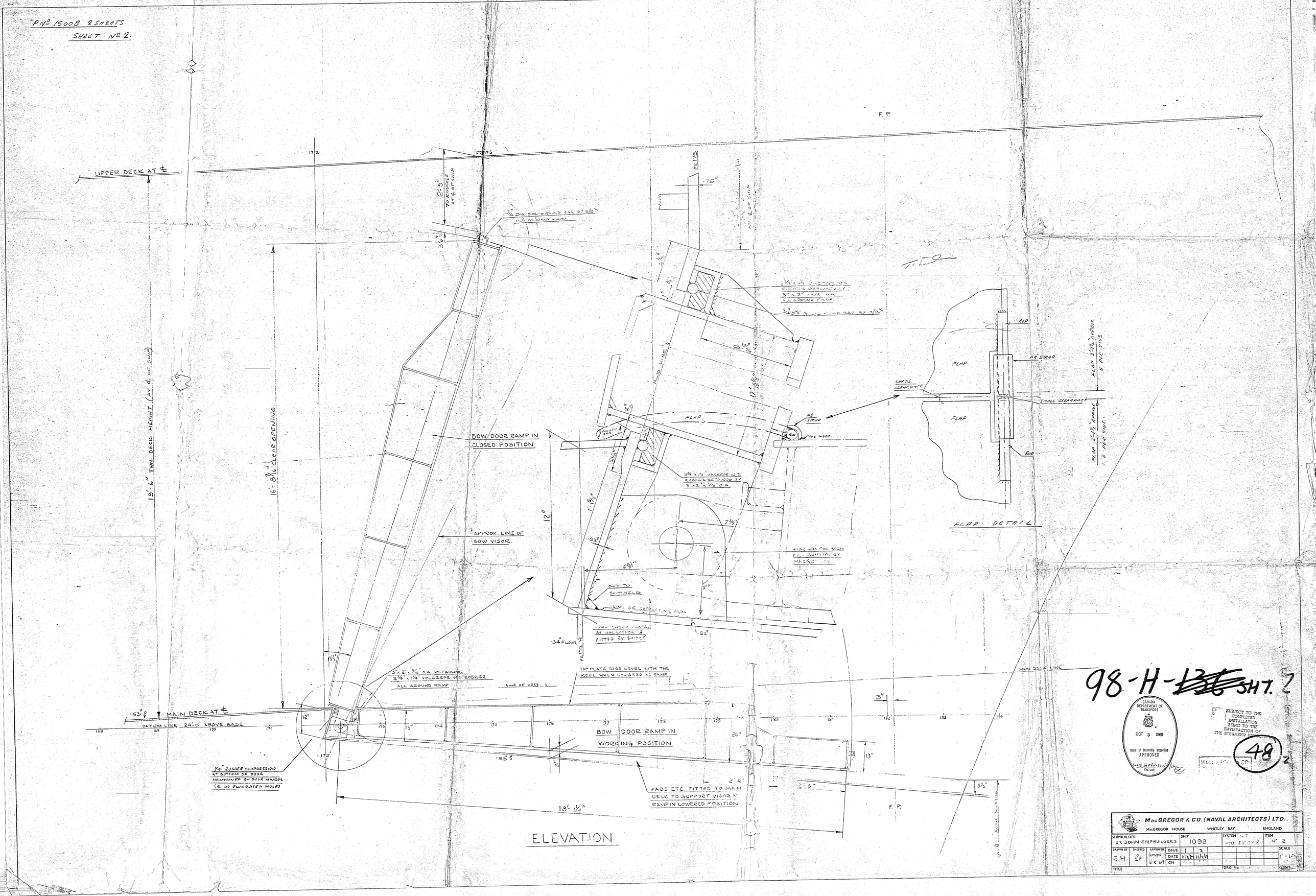
SHIPBUILDER		SHIP		SYSTEM		ITEM
ST JOHN SHIPBUILDERS		1038		W.T. HYD INSERR.		2
DRAWN BY	CHECKED	APPROVED Lloyds	ISSUE	1	2	SCALE 1" = 1 FT
R.H	RF	13 3 69	DATE	11/7/68	3/10/69	& AT 1/2 FULL SIZE
			CN			
TITLE ARRT & SCANTLINGS OF BOW RAMP			DRG No 15008 (2 SHTS.)			CONT ON SHT 2 SHEET 1


0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
VISOR
190


ENBARCATION DOORS
31'0" MECHANICALLY PROPELLED LIFEBOAT P & S
98 PERSONS
28'0" MOTOR LIFEBOAT P& S
76 PERSONS
1 TON STORES DAVIT 20'0" BOOM
DN.
UP.
OPEN VERANDAH
MAST
48 SEATS
PLENUM
PLANT #5
PLANT # 9
FAN ROOM
PLANT # 10
PLANT # 8
DELUXE CABIN
SETTEE
DAY CABIN
C/T
TOILET
SHR.
WC.
LINEN
LOCKER
ENGINE CASING
NURSERY MOTHERS ROOM
PLAYPEN
C/B
VENT
FIRST AID
DECK
LIFE JACKET
LADIES
BAR
ICE CUBES
SHELVES
BAR LOCKER
FRIDGE
LKR
SMOKE
ROOM
(SEATING 198)
GENTS
VENT PLANT # 7A
VENT PLANT # 6
VENT PLANT # 7B
30
40
50
60
70
80
90
100
110
120
130

BOATDECK

PNo 15008 2 SHEETS
SHEET No 2.



98-H-~~136~~ SHT. 2

CANADA DEPARTMENT OF TRANSPORT
OCT 3 1969
Board of Steamship Inspection
APPROVED
Chairman

SUBJECT TO THE COMPLETED INSTALLATION BEING TO THE SATISFACTION OF THE STEAMSHIP INSPECTOR

MACGREGOR CO.

48 2

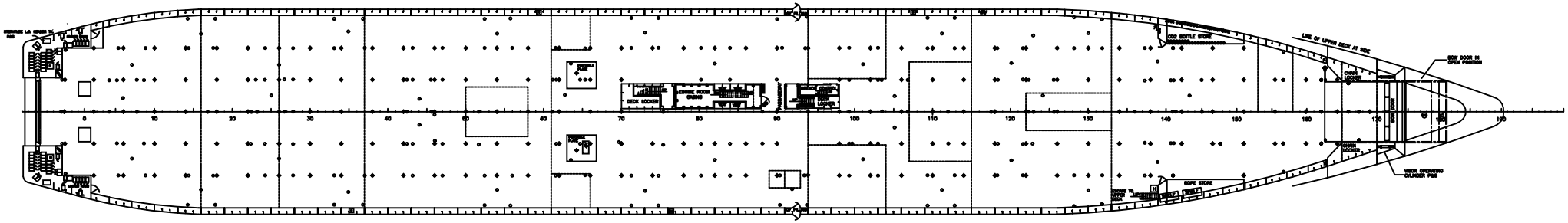
MacGREGOR & CO. (NAVAL ARCHITECTS) LTD.
MacGREGOR HOUSE WHITLEY BAY ENGLAND

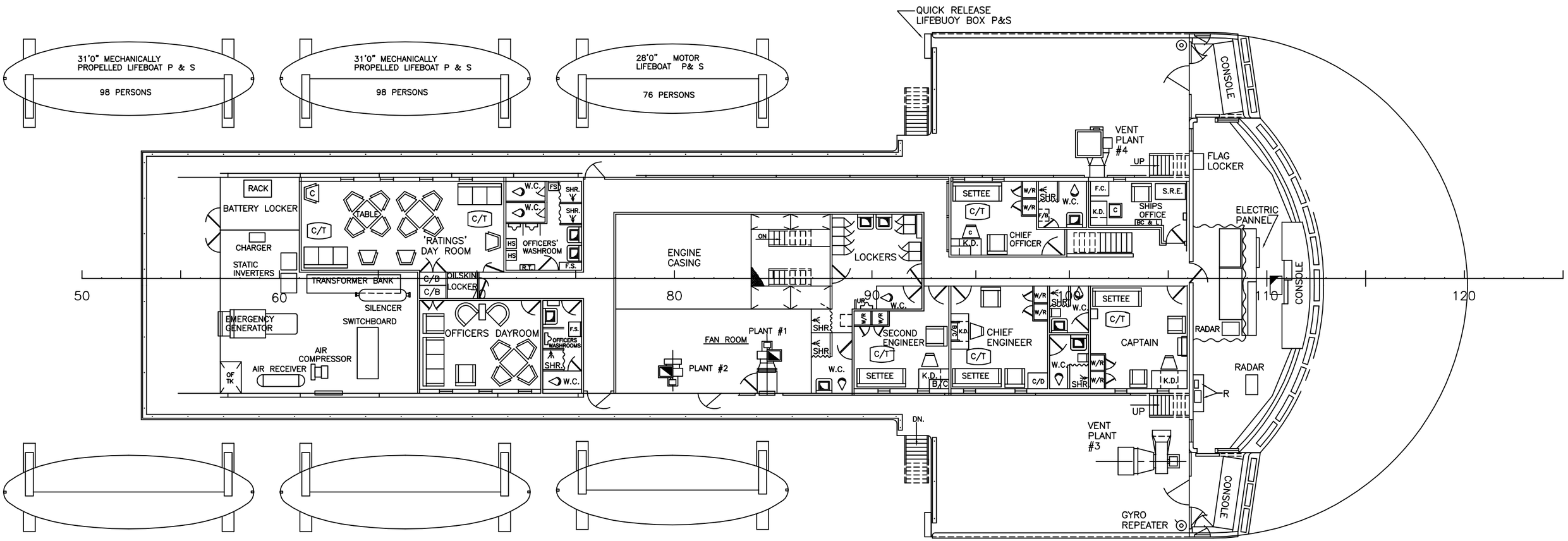
SHIPBUILDER	SHIP	SYSTEM	ITEM
ST. JOHN SHIPBUILDERS	1098	W.T. AND SIDE SHELL	No 2

DRAWN BY	CHECKED	APPROVED	ISSUE	1	2			SCALE
R.H.		Jervis 13.8.69	DATE	11/7/68	31/3/69			1" = 1'-0"
			CN					

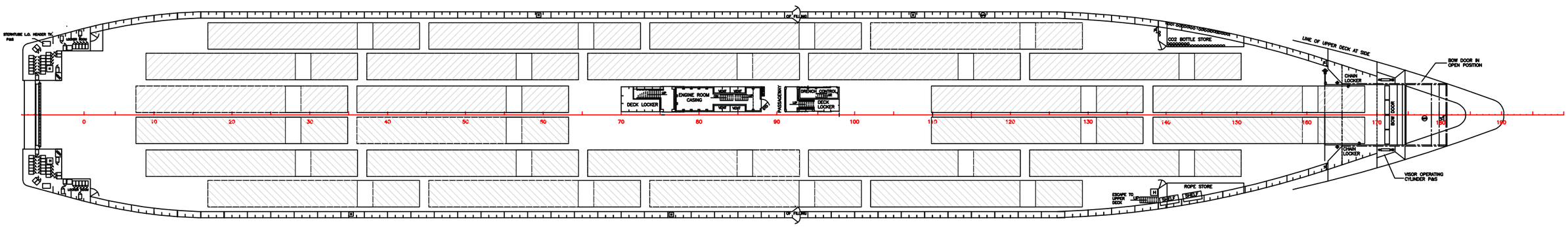
TITLE DRG No

MAIN DECK


ENGINE ROOM CASING
BOAT LAUNCH
CO2 BOTTLE STORE
ROPE STORE
LINE OF UPPER DECK AT SIDE
BOW DOOR IN OPEN POSITION
WATER DISPENSING CYLINDER POST
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190



NAVIGATING BRIDGE DECK.



PRINCESS OF ACADIA – MAIN DECK

M.V. "PRINCESS OF ACADIA".

HULL Nº 1098.

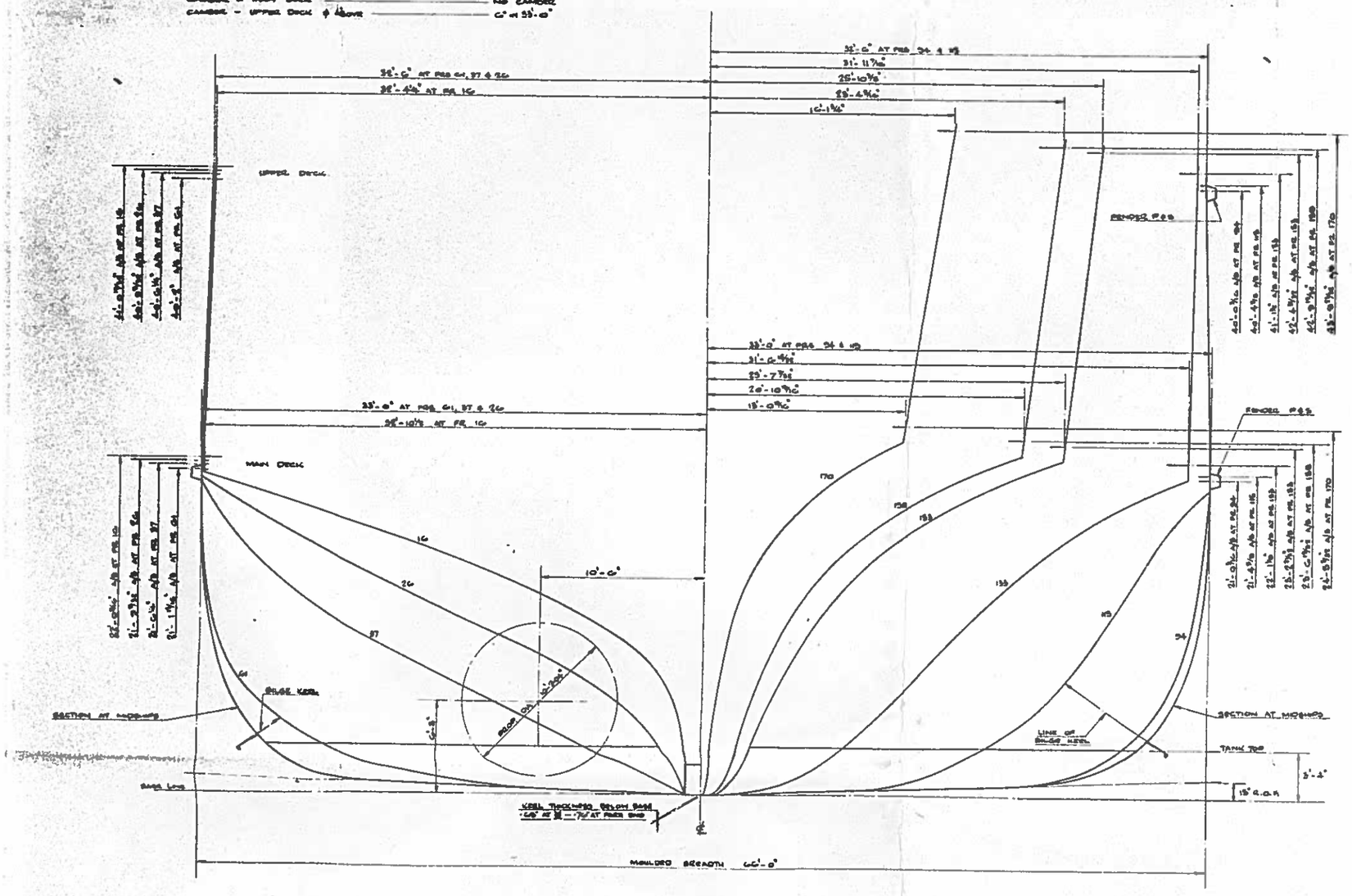
BUILT BY
SAINT JOHN SHIPBUILDING & DRYDOCK Co. LTD.
SAINT JOHN, N.B. CANADA.

DOCKING PLAN.

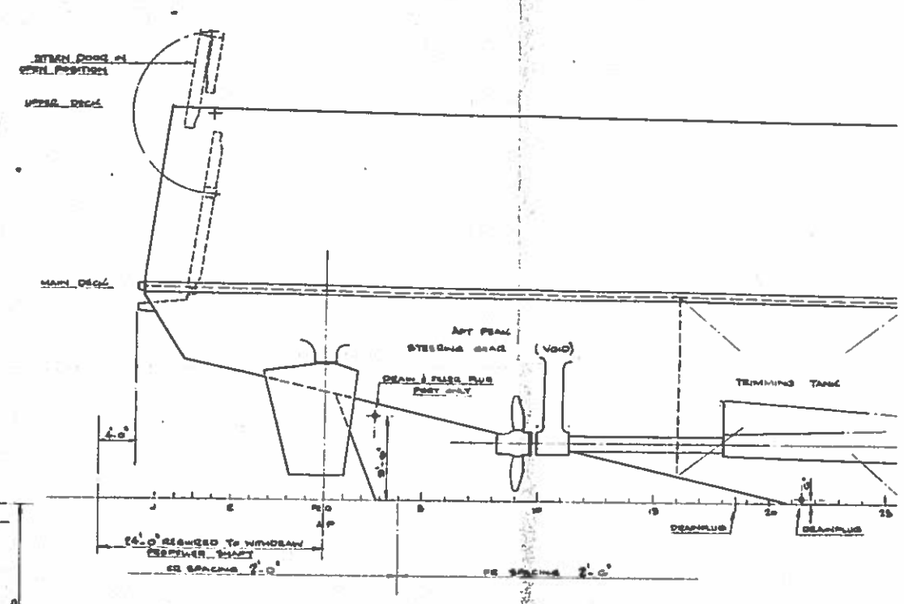
PLAN Nº 904/14

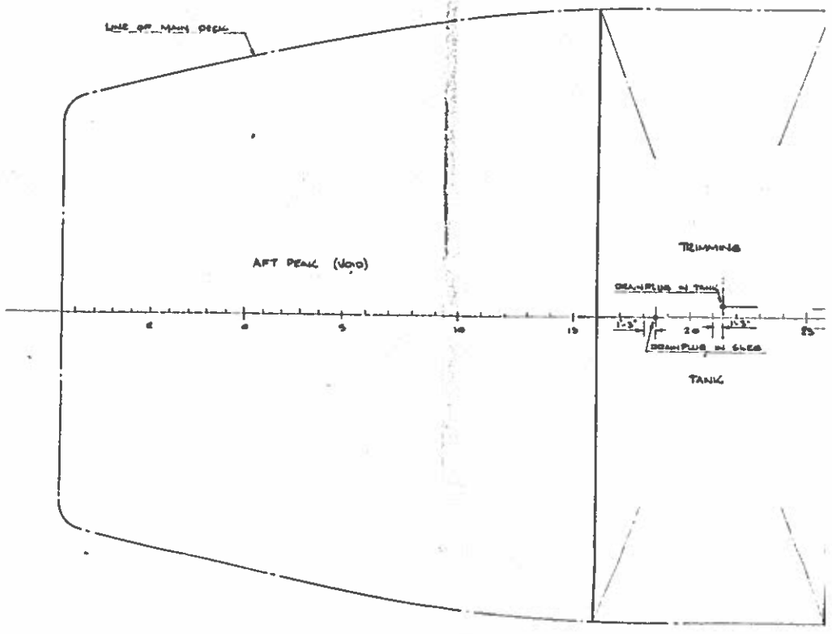
PRINCIPAL PARTICULARS :-

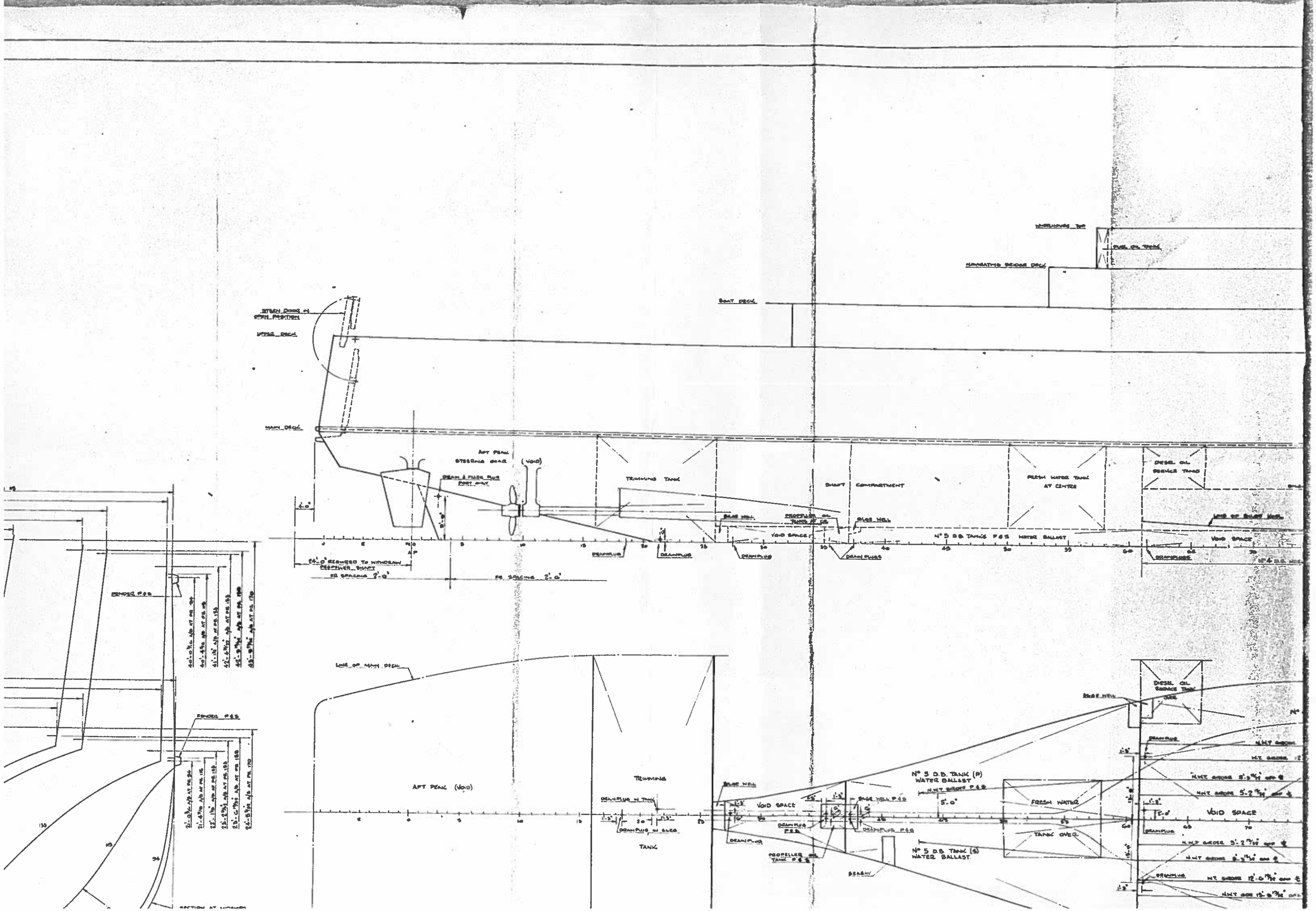
LENGTH BETWEEN PERPENDICULARS	440' - 0"
LENGTH OVERALL (INCLUDING FENDERS)	480' - 2⅝"
BREADTH MOULDED	66' - 0"
BREADTH EXTREME (OVER FENDERS)	67' - 3 9/16"
DEPTH MOULDED TO MAIN DECK	21' - 0"
DEPTH MOULDED TO UPPER DECK	40' - 0"
DRAFT MOULDED (L.W.L)	15' - 0"
DRAFT EXTREME	15' - 0¾"
CAMBER - MAIN DECK	NO CAMBER
CAMBER - UPPER DECK & ABOVE	6" in 33' - 0"

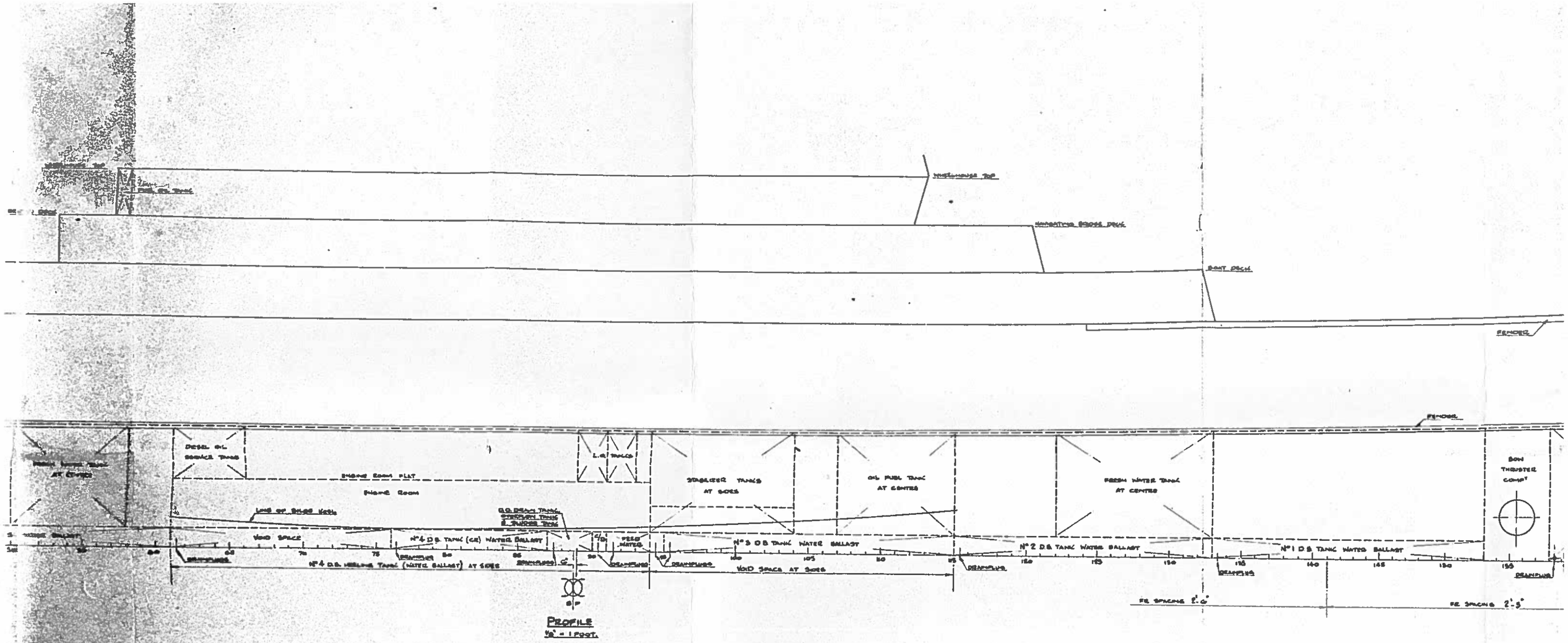


BODY PLAN

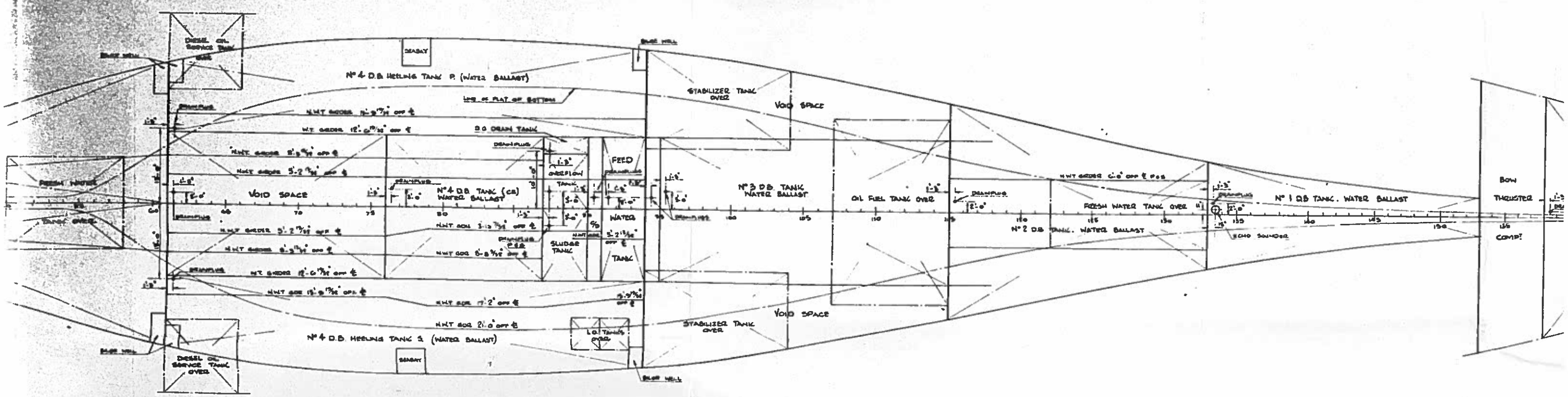




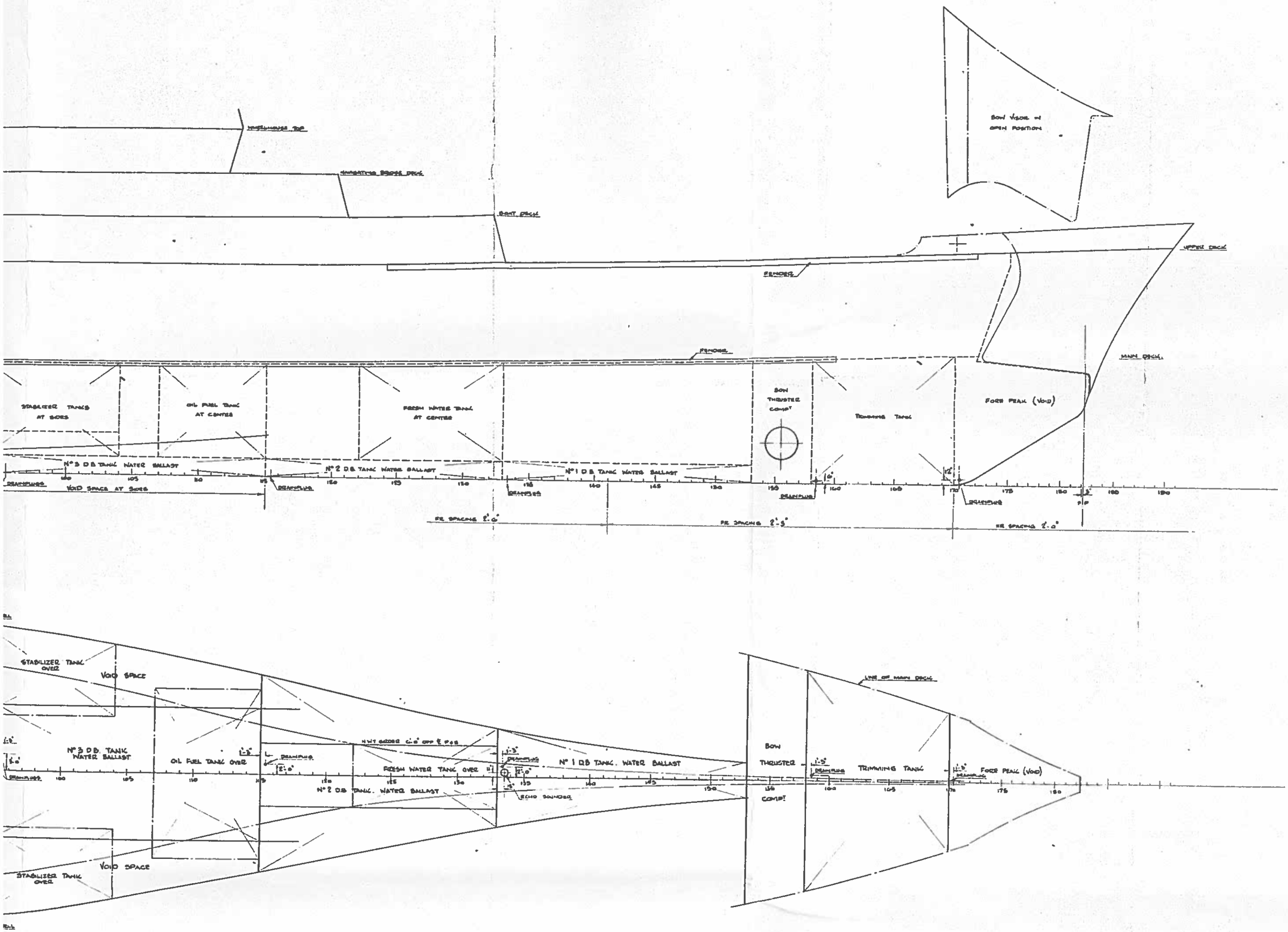

BOAT DECK
UPPER DECK
MAIN DECK
AFT PEAK
STEERING GEAR
(VOID)
TRIMMING TANK
SHAFT COMPARTMENT
FRESH WATER TANK AT CENTRE
DIESEL OIL SERVICE TANK
VOID SPACE
N° 5 D.B. TANKS P&S WATER BALLAST
BILGE WELL
DRAINPLUG
24'-0" REMOVED TO WITHDRAW PROPELLER SHAFT
FR SPACING 2'-0"
LINE OF MAIN DECK
AFT PEAK (VOID)
TRIMMING
TANK
N° 5 D.B. TANK (P) WATER BALLAST
N° 5 D.B. TANK (S) WATER BALLAST
FRESH WATER
TANK OVER
VOID SPACE
DIESEL OIL SERVICE TANK OVER
FENDER P&S
SECTION AT MIDSHIP



PROFILE
1/8" = 1 FOOT.



PLAN VIEW
1/8" = 1 FOOT.


WHEELHOUSE TOP
NAVIGATING BRIDGE DECK
BOAT DECK
BOW VISOR IN OPEN POSITION
UPPER DECK
FENDERS
MAIN DECK
STABILIZER TANKS AT SIDES
OIL FUEL TANK AT CENTER
FRESH WATER TANK AT CENTER
BOW THRUSTER COMPT
TRIMMING TANK
FORE PEAK (VOID)
N° 3 D.B. TANK WATER BALLAST
N° 2 D.B. TANK WATER BALLAST
N° 1 D.B. TANK WATER BALLAST
DRAINPLUG
VOID SPACE AT SIDES
FR SPACING 2'-0"
FR SPACING 2'-3"
FR SPACING 2'-0"
STABILIZER TANK OVER
VOID SPACE
N° 3 D.B. TANK WATER BALLAST
OIL FUEL TANK OVER
FRESH WATER TANK OVER
N° 2 D.B. TANK. WATER BALLAST
N° 1 D.B. TANK. WATER BALLAST
ECHO SOUNDER
BOW THRUSTER COMPT
LINE OF MAIN DECK
TRIMMING TANK
FORE PEAK (VOID)