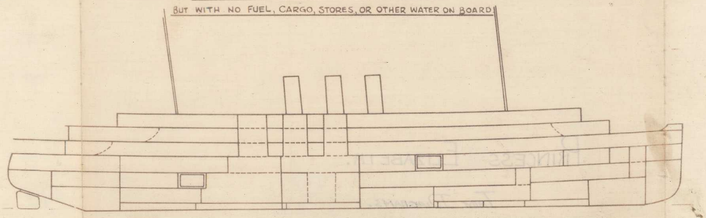
TWIN SCREW STEAMER "PRINCESS ELIZABETH".

TRIM DIAGRAMS.

NOTE:- THE TRIM IN ALL CONDITIONS INCLUDES THE DESIGNED TRIM OF 36" BY STERN.

3485
THE FAIRFIELD SHIPBUILDING & ENGINEERING CO. LIMITED
DESIGN
14 MAY 1930
GOVAN, GLASGOW
Ro.th

Nº 1. VESSEL LIGHT WITH WATER IN BOILERS & CONDENSERS TO WORKING LEVEL, BUT WITH NO FUEL, CARGO, STORES, OR OTHER WATER ON BOARD



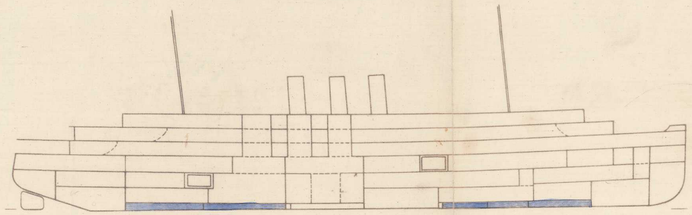
PARTICULARS OF DEADWEIGHT.

ITEM.		TONS.
FIXED STORES & SPARE GEAR		NIL
WATER IN SERVICE TANKS & SYSTEMS		"
PASSENGERS, CREW & BAGGAGE		"
CONSUMABLE STORES		"
MAILS		"
FRESH & RESERVE FEED WATER		"
OIL FUEL		"
CARGO OIL		"
MOTOR CARS OR CARGO		"
CARGO		"
WATER BALLAST		"
TOTAL.		

DRAFT, TRIM AND STABILITY.

LIGHT SHIP	3510 TONS
DEADWEIGHT	NIL
DISPLACEMENT	3510 "
DRAFT IN S.W. AFT	16'-10"
FORWARD	10'-3"
MEAN	13'-6½"
TRIM BY STERN	79"
G. M.	·85 FT

Nº 2. AS Nº 1 BUT WITH DOUBLE BOTTOM FULL OF FRESH WATER



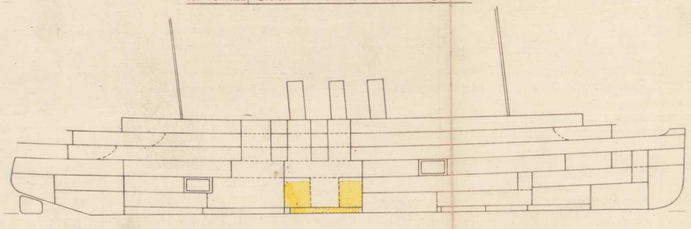
PARTICULARS OF DEADWEIGHT.

ITEM.		TONS.
FIXED STORES & SPARE GEAR		NIL
WATER IN SERVICE TANKS & SYSTEMS		"
PASSENGERS, CREW & BAGGAGE		"
CONSUMABLE STORES		"
MAILS		"
FRESH & RESERVE FEED WATER		206
OIL FUEL		NIL
CARGO OIL		"
MOTOR CARS OR CARGO		"
CARGO		"
WATER BALLAST		"
TOTAL		206

DRAFT, TRIM AND STABILITY.

LIGHT SHIP	3510 TONS
DEADWEIGHT	206 "
DISPLACEMENT	3716 "
DRAFT IN S.W. AFT	16'-11½"
FORWARD	11'-4½"
MEAN	14'-2"
TRIM BY STERN	67"
G. M.	1·92 FT.

Nº 3. AS Nº 1, BUT WITH BUNKERS 95% FULL NO CARGO, STORES OR OTHER WATER ON BOARD



PARTICULARS OF DEADWEIGHT.

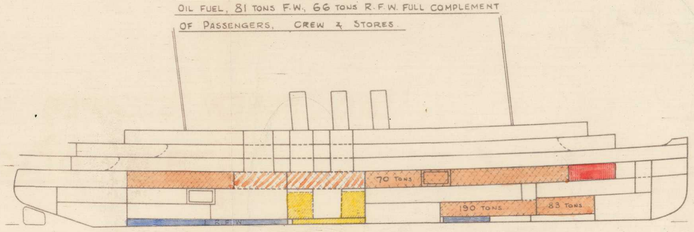
ITEM.		TONS.
FIXED STORES & SPARE GEAR		NIL
WATER IN SERVICE TANKS & SYSTEMS		"
PASSENGERS, CREW & BAGGAGE.		"
CONSUMABLE STORES.		"
MAILS.		"
FRESH & RESERVE FEED WATER.		"
OIL FUEL.		246
CARGO OIL.		NIL
MOTOR CARS OR CARGO.		"
CARGO.		"
WATER BALLAST.		"
TOTAL.		246

DRAFT, TRIM AND STABILITY.

LIGHT SHIP	3510 TONS
DEADWEIGHT	246 "
DISPLACEMENT	3756 "
DRAFT IN S.W. AFT	17'-6"
FORWARD	11'-0"
MEAN	14'-3"
TRIM BY STERN	78"
G. M.	1·89 FT.

Nº 4. LOADED TO FREEBOARD DRAFT Nºs 1 & 2

HOLDS FILLED WITH HOMOGENEOUS CARGO AT 60 C'/TON 70 TONS OF MOTOR CARS ETC. IN MAIN TWEEN DKS. 246 TONS OIL FUEL, 81 TONS F.W., 66 TONS R.F.W. FULL COMPLEMENT OF PASSENGERS, CREW & STORES.



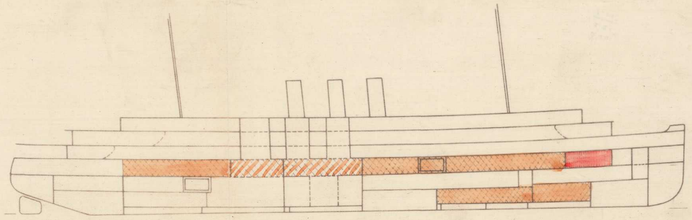
PARTICULARS OF DEADWEIGHT.

ITEM.		TONS.
FIXED STORES & SPARE GEAR		45
WATER IN SERVICE TANKS & SYSTEMS		9
PASSENGERS, CREW & BAGGAGE		62
CONSUMABLE STORES		20
MAILS		5
FRESH & RESERVE FEED WATER		147
OIL FUEL		246
CARGO OIL		NIL
MOTOR CARS OR CARGO		70
CARGO		273
WATER BALLAST		NIL
TOTAL.		877

DRAFT, TRIM AND STABILITY.

LIGHT SHIP	3510 TONS
DEADWEIGHT	877 "
DISPLACEMENT.	4387 "
DRAFT IN S.W. AFT.	17'-5"
FORWARD	14'-9"
MEAN	16'-1"
TRIM BY STERN	32"
G. M.	3·45 FT.

Nº 5 SPENT CONDITION FROM Nº 4.



PARTICULARS OF DEADWEIGHT.

ITEM.		TONS.
FIXED STORES & SPARE GEAR		45
WATER IN SERVICE TANKS & SYSTEMS		9
PASSENGERS, CREW & BAGGAGE		62
CONSUMABLE STORES.		NIL
MAILS.		5
FRESH & RESERVE FEED WATER.		NIL
OIL FUEL.		"
CARGO OIL.		"
MOTOR CARS OR CARGO.		70
CARGO "		273
WATER BALLAST		NIL
TOTAL.		464

DRAFT, TRIM AND STABILITY.

LIGHT SHIP	3510 TONS
DEADWEIGHT	464 "
DISPLACEMENT	3974 "
DRAFT IN S.W. AFT.	16'-1"
FORWARD.	13'-11"
MEAN.	15'-0"
TRIM BY STERN.	26"
G. M.	1·59 FT.

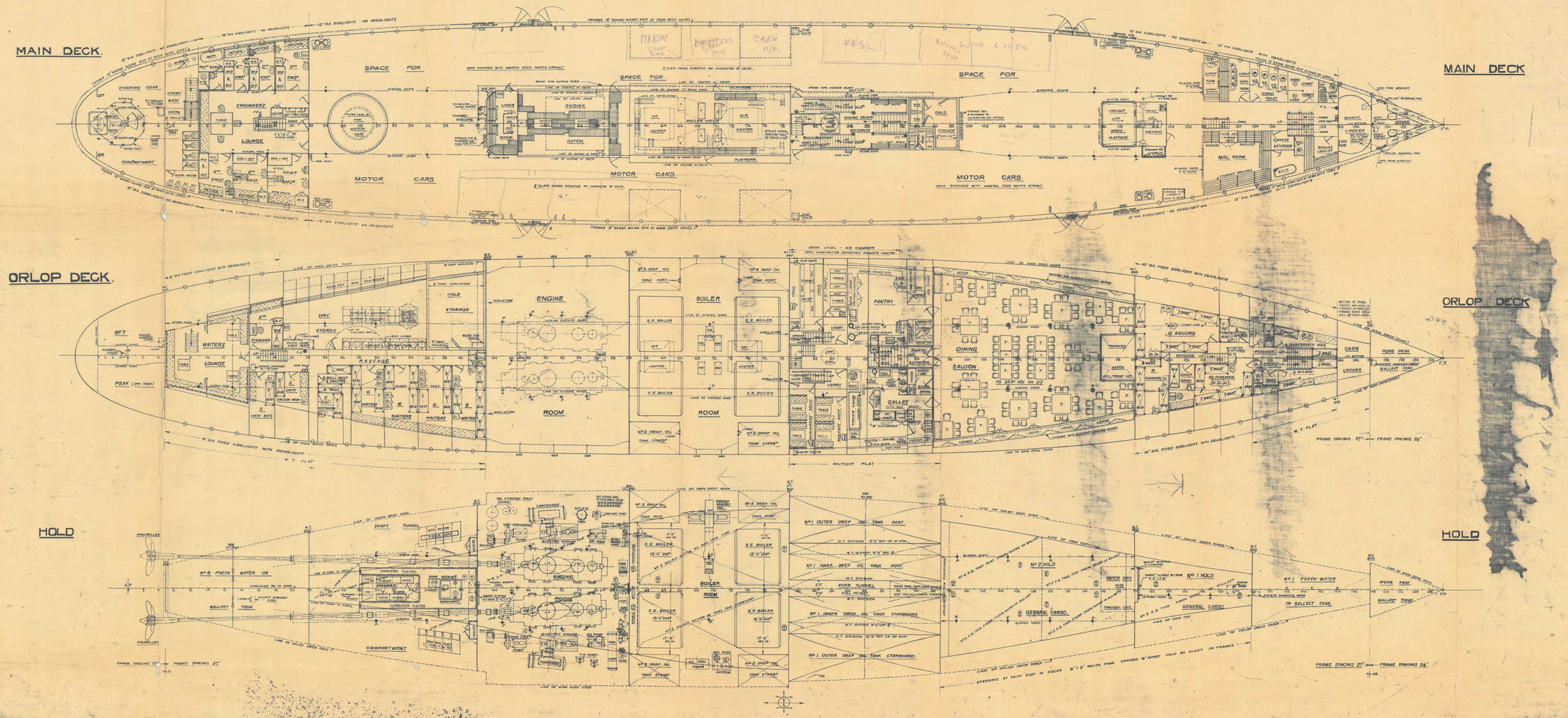
T.S.S. "PRINCESS ELIZABETH" & "PRINCESS JOAN"

GENERAL ARRANGEMENTS.

HOLD, ORLOP & MAIN DECKS.

SCALE 1/8 = 1 FOOT.

AS FITTED.

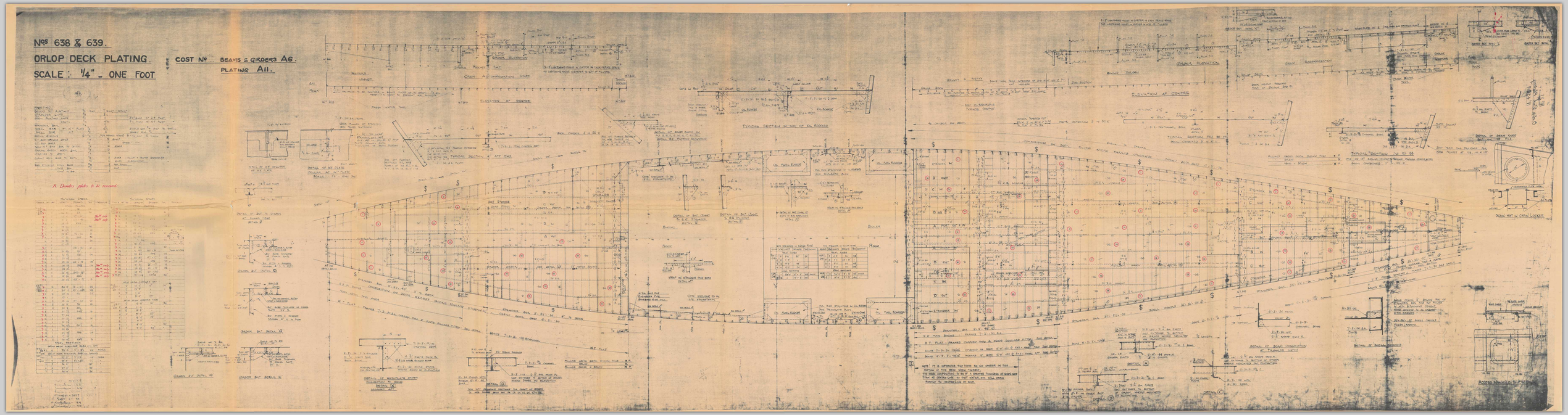


Nos 638 & 639.

ORLOP DECK PLATING.

SCALE: 1/4" = ONE FOOT

COST No BEAMS & GIRDERS A6.
PLATING A11.


ELEVATION AT CENTRE
ELEVATION AT CENTRE
TYPICAL SECTION AT AFT END
TYPICAL SECTION IN WAY OF OIL FUELLERS
TYPICAL SECTION FRS 101 TO 133
DETAIL OF BRACKET
DETAIL OF SCARF CONNECTION OF TRANSVERSE WELDS
DETAIL OF BRACKET
DETAIL OF BRACKET
DETAIL OF BRACKET

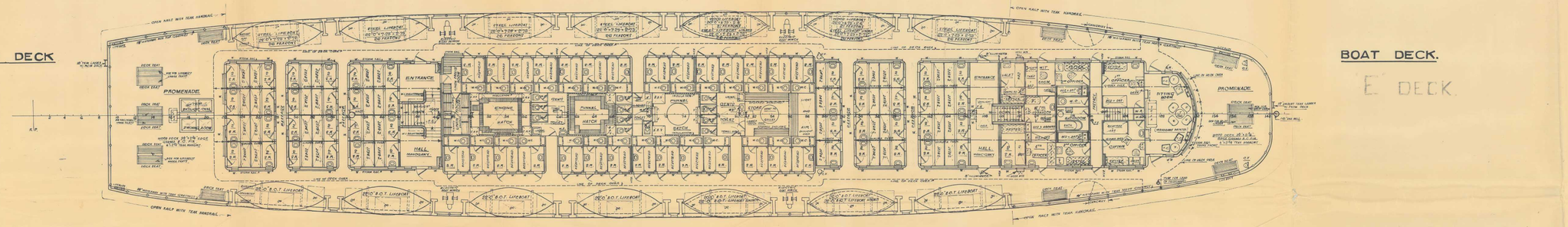
T. S. S.s "PRINCESS ELIZABETH" & "PRINCESS JOAN"

GENERAL ARRANGEMENTS

UPPER, PROMENADE & BOAT DECKS.

SCALE $\frac{1}{8}$" = 1 FOOT

AS FITTED



[redacted]

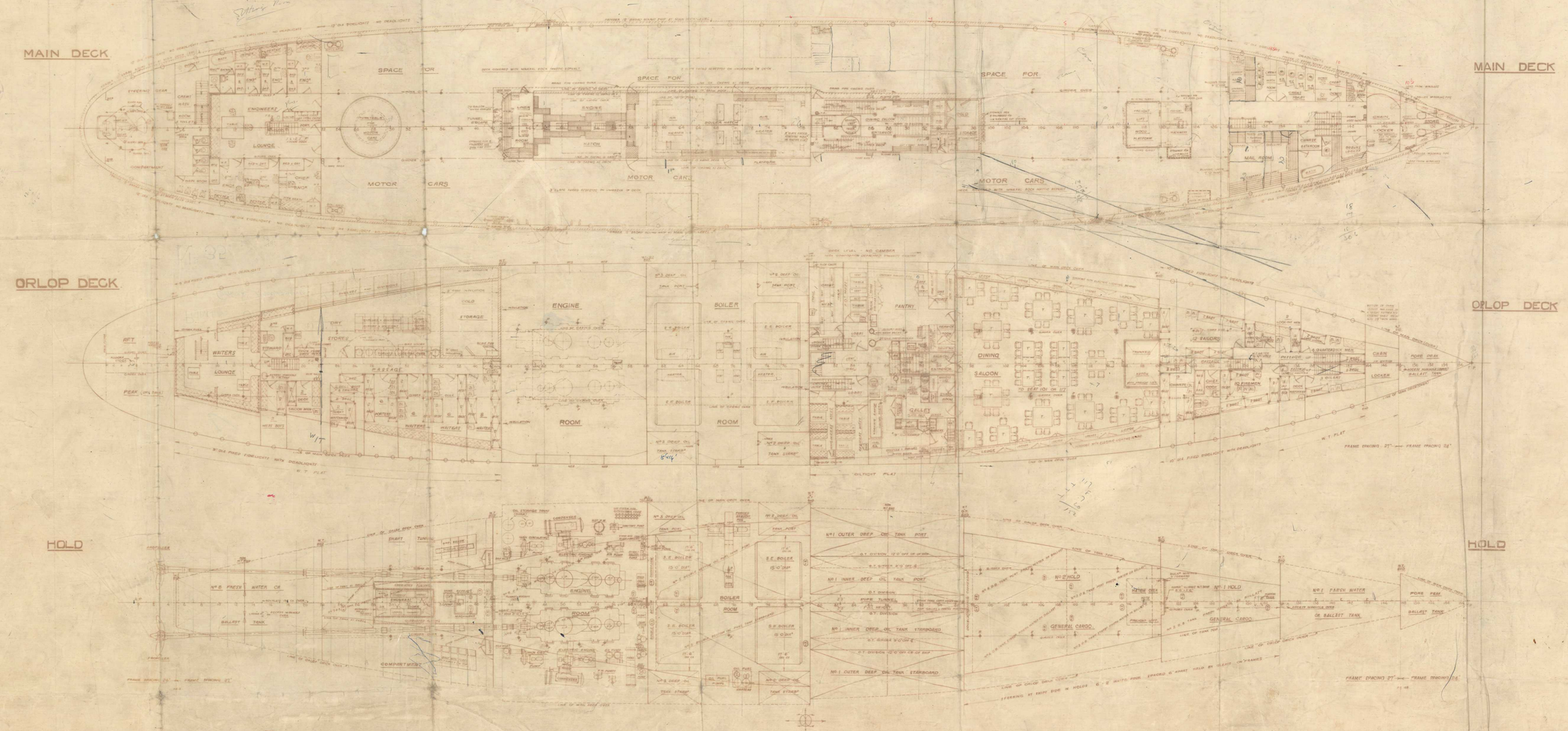
T.S.S. "PRINCESS JOAN"

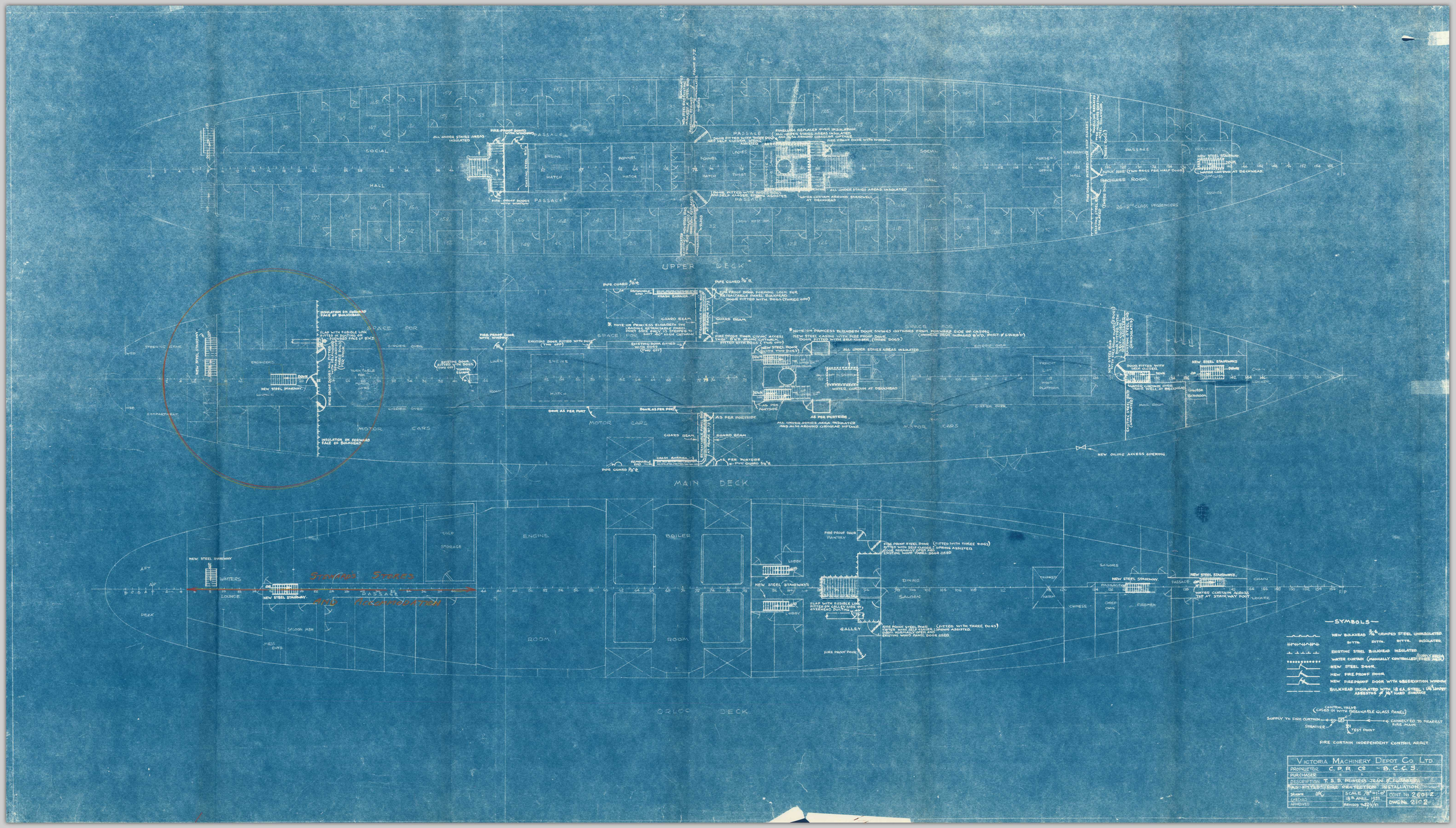
GENERAL ARRANGEMENTS.

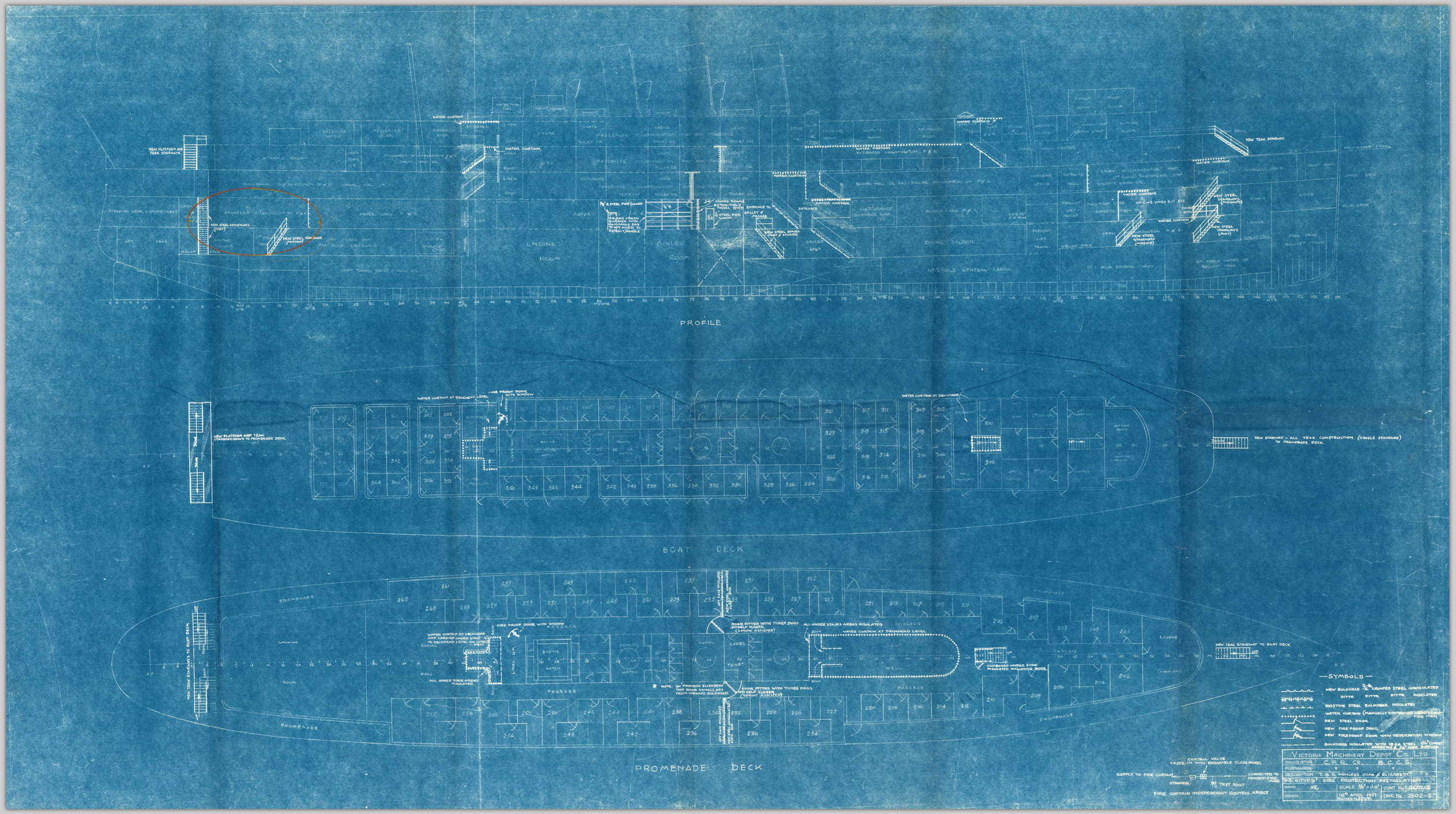
HOLD, ORLOP & MAIN DECKS.

SCALE 1/8 = 1 FOOT.

AS FITTED.



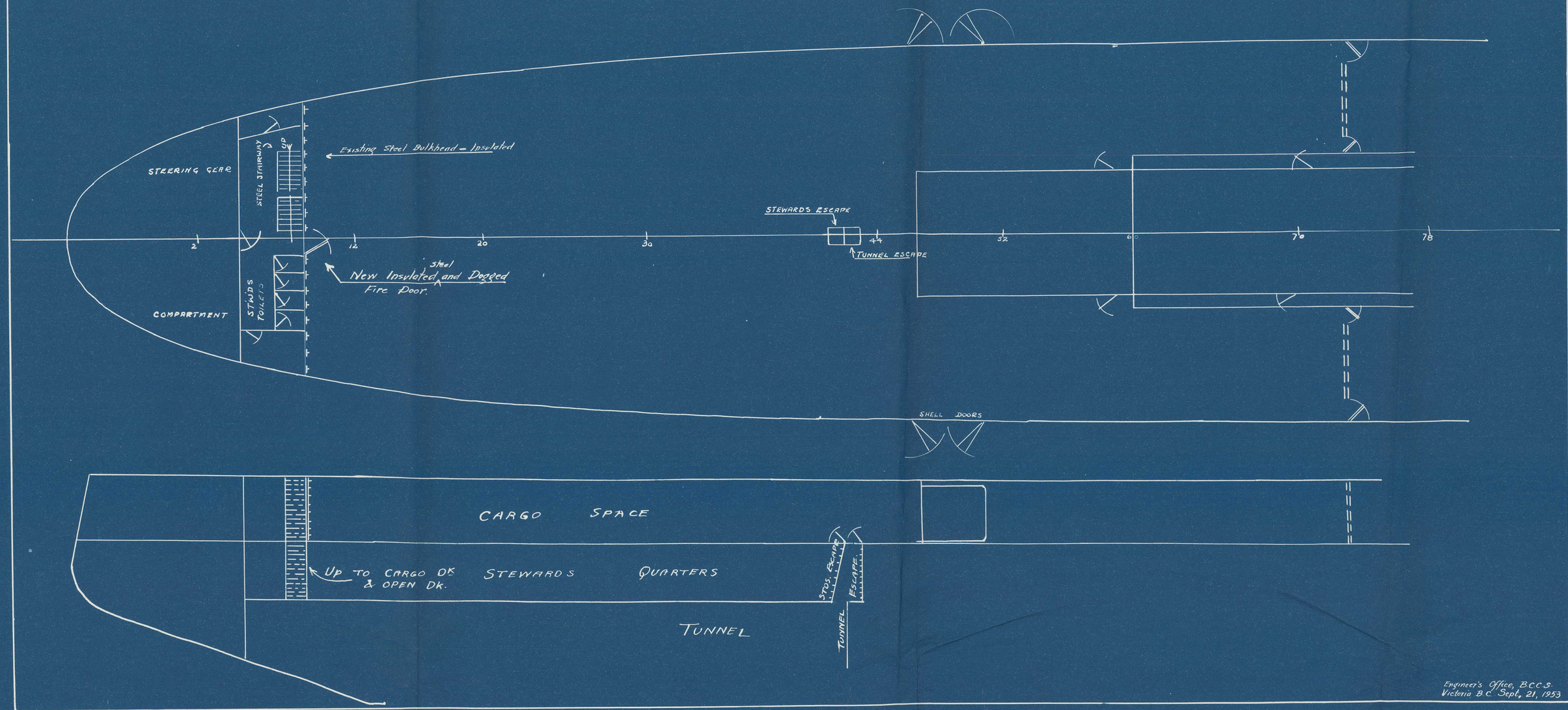

UPPER DECK
MAIN DECK
ORLOP DECK
SOCIAL HALL
PASSAGE
ENGINE HATCH
FUNNEL HATCH
TOILET
LADIES
GENTS
SMOKING ROOM
PURSER'S OFFICE
ENTRANCE HALL
BAGGAGE ROOM
26-2nd CLASS PASSENGERS
LOUNGE
ENGINEERS
TURNTABLE FOR MOTOR CARS
MOTOR CARS
SPACE FOR MOTOR CARS
LINEN ROOM
MAIL ROOM
CHAIN LOCKER
BOILER ROOM
ENGINE ROOM
COLD STORAGE
SALOON MEN
MESS ROOM
WATERS
LOUNGE
PEAK
AFT
FIP
STORES
STORES
DINING SALOON
GALLEY
PANTRY
LOBBY
CHINESE
CHEF
FIREMEN
SAILORS
TRUNKS
NEW STEEL STAIRWAY
NEW STEEL STAIRWAYS
WATER CURTAIN ACROSS
NEW OILING ACCESS OPENING
—SYMBOLS—
NEW BULKHEAD 3/16" CRIMPED STEEL UNINSULATED.
DITTO. DITTO. DITTO. INSULATED.
EXISTING STEEL BULKHEAD INSULATED.
WATER CURTAIN (MANUALLY CONTROLLED) (SUPPLY FROM FIRE MAIN)
NEW STEEL DOOR.
NEW FIRE PROOF DOOR
NEW FIRE PROOF DOOR WITH OBSERVATION WINDOW
BULKHEAD INSULATED WITH 18 G.A. STEEL, 1 1/4" LAYER ASBESTOS & 1/4" HARD SUBSTRATE
CONTROL VALVE (COVERED IN WITH DISCARDABLE GLASS PANEL)
SUPPLY TO FIRE CURTAIN
STRAINER
TEST POINT
CONNECTED TO NEAREST FIRE MAIN
FIRE CURTAIN INDEPENDENT CONTROL ARRGT.
VICTORIA MACHINERY DEPOT CO. LTD.
PROPRIETORS C.P.R. CO. - B.C.C.S.
PURCHASER " " " "
DESCRIPTION T.S.S. PRINCESS JEAN OF VANCOUVER
AS-FITTED FIRE PROTECTION INSTALLATION
DRAWN
CHECKED
APPROVED
SCALE 3/8" = 1'-0"
18th APRIL 1951.
REVISED
CONT. No. 2601-2
DWG. No. 2102


PROFILE
BOAT DECK
PROMENADE DECK
NEW PLATFORM AND TEAK STAIRWAYS
NEW STEEL STAIRWAYS (PORT)
NEW STEEL STAIRWAY (MIDSHIPS)
WATER CURTAIN
ENGINE ROOM
BOILER ROOM
DINING SALOON
NEW TEAK STAIRWAY
NEW STEEL STAIRWAYS (MIDSHIPS)
NEW STEEL STAIRWAYS (PORT)
NEW PLATFORM AND TEAK STAIRWAYS TO PROMENADE DECK
WATER CURTAIN AT DECKHEAD LEVEL
FIRE PROOF DOOR WITH WINDOW
WATER CURTAIN AT DECKHEAD
NEW STAIRWAY - ALL TEAK CONSTRUCTION (SINGLE STAIRWAY) TO PROMENADE DECK.
NEW PLATFORM AND TEAK STAIRWAYS TO BOAT DECK
PROMENADE
SMOKING ROOM
SOCIAL HALL
ALL UNDER STAIRS AREAS INSULATED
DOOR FITTED WITH THREE DOGS (SELF CLOSER (SPRING ASSISTED))
WATER CURTAIN AT DECKHEAD LEVEL
WELL
PASSAGE
LOUNGE
NEW TEAK STAIRWAY TO BOAT DECK
* NOTE: ON PRINCESS ELIZABETH THIS DOOR SWINGS AFT FROM INBOARD BULKHEAD
SYMBOLS
NEW BULKHEAD 3/8" CRIMPED STEEL UNINSULATED
DITTO. DITTO. DITTO. INSULATED.
EXISTING STEEL BULKHEAD INSULATED
WATER CURTAIN (MANUALLY CONTROLLED FROM FIRE MAIN)
NEW STEEL DOOR
NEW FIRE PROOF DOOR
NEW FIRE PROOF DOOR WITH OBSERVATION WINDOW
BULKHEAD INSULATED WITH 18 G.A. STEEL, 1/4" UNIFORM THICKNESS 2" MINR. SURFACE
CONTROL VALVE CASED-IN WITH BREAKABLE GLASS PANEL
SUPPLY TO FIRE CURTAIN
CONNECTED TO NEAREST FIRE MAIN
STRAINER
TEST POINT
FIRE CURTAIN INDEPENDENT CONTROL ARRGT
VICTORIA MACHINERY DEPOT CO. LTD.
PROPRIETOR C.P.R. CO. B.C.C.S.
PURCHASER
DESCRIPTION T.S.S. PRINCESS JOAN & ELIZABETH
AS FITTED FIRE PROTECTION INSTALLATION
DRAWN
SCALE 1/8" = 1'-0"
CONT No. 2402/2
CHECKED
18th APRIL 1951
DWG No. 2402-2

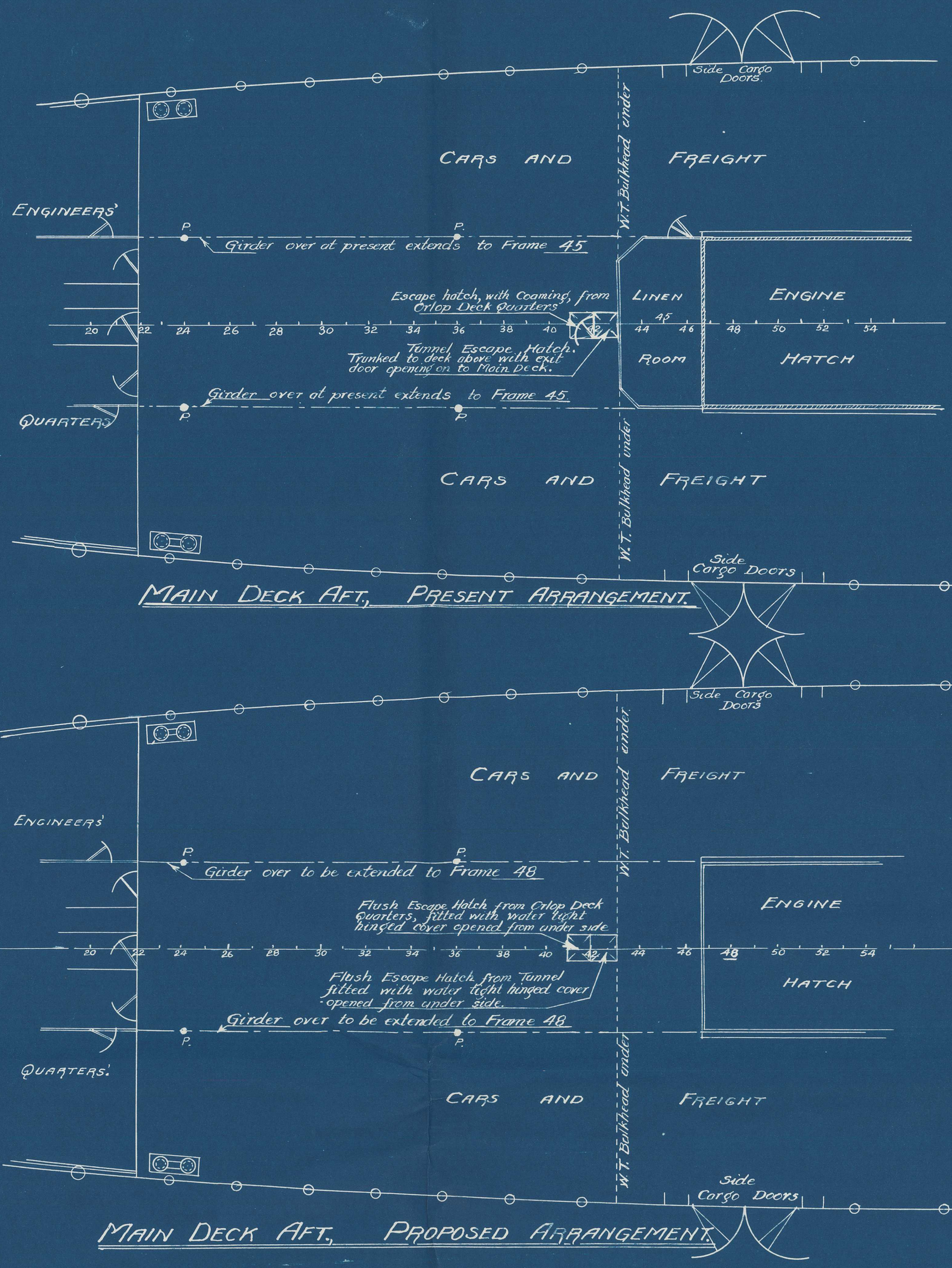
PRINCESS JOAN AND PRINCESS ELIZABETH

Showing arrangement to provide additional Motor Car and Cargo space by removal of Engineers Accommodation on Main Deck between frames 9 and 22.

Scale 1/8" = 1FT



Engineer's Office, B.C.S.
Victoria B.C. Sept. 21, 1953



SS "PRINCESS JOAN" AND SS "PRINCESS ELIZABETH."

PROPOSED REMOVAL OF LINEN ROOM (STEEL CONSTRUCTION.)
ON MAIN DECK.

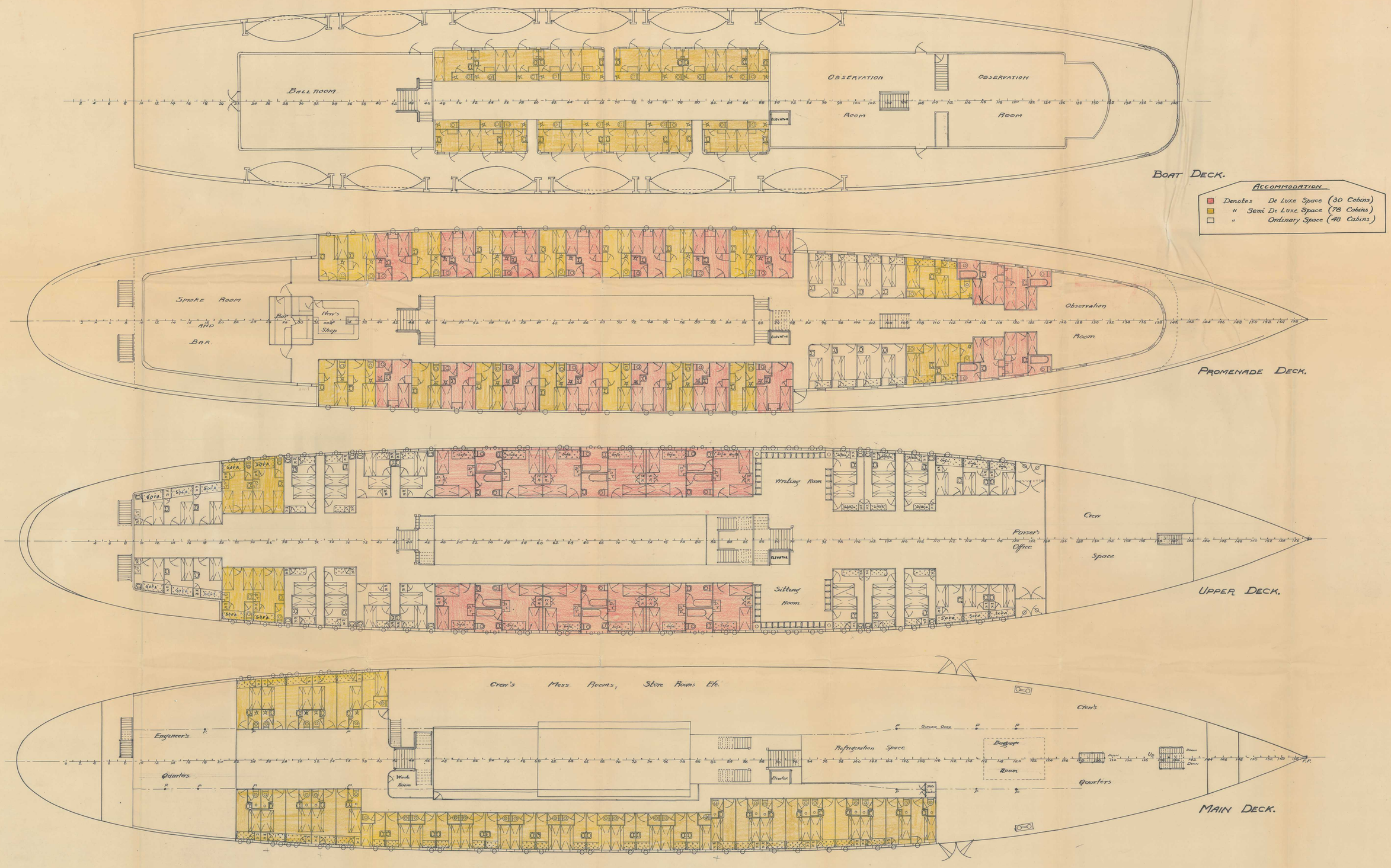
Scale 1/8 IN = 1 FT

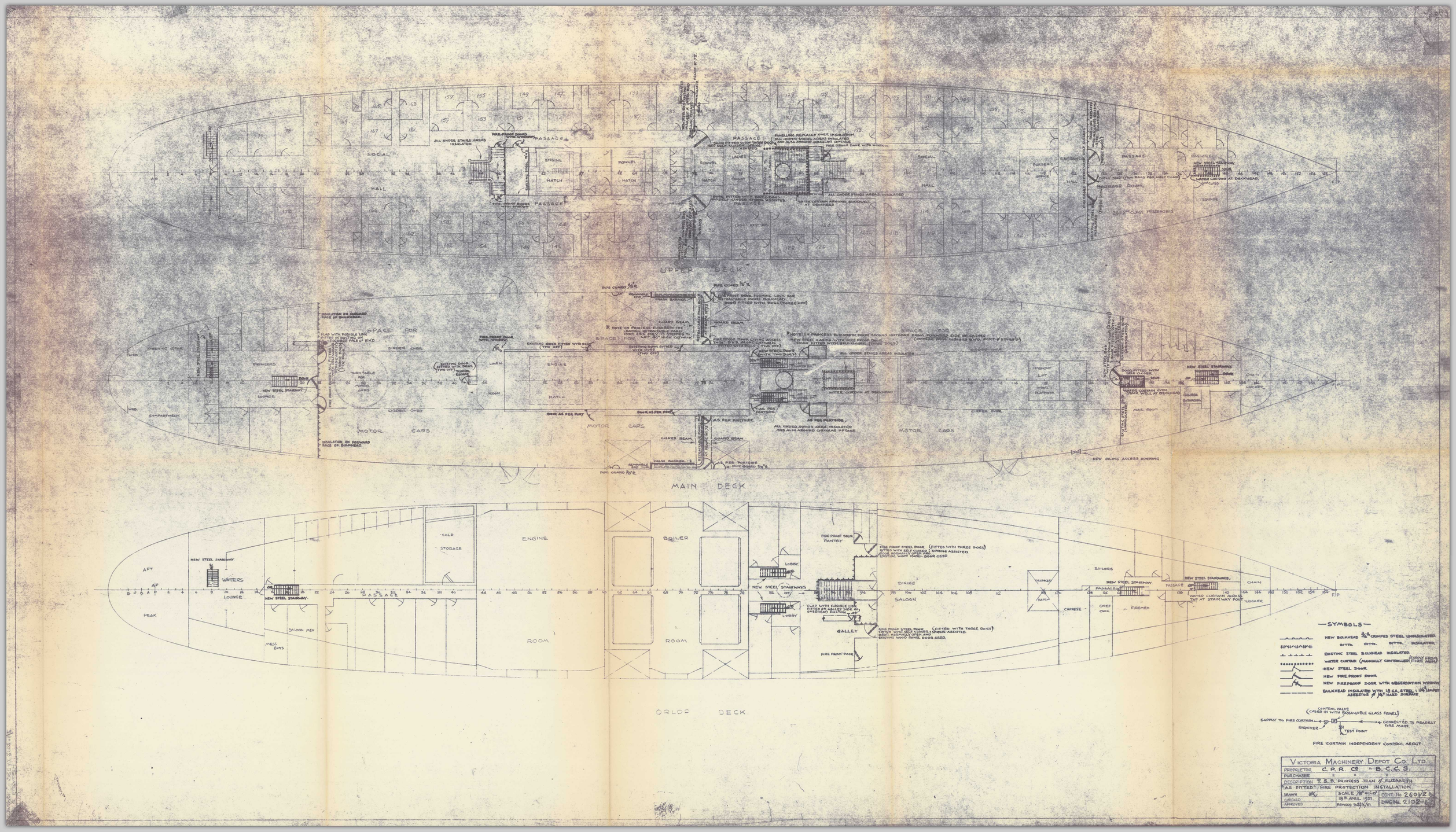
Engineer's Office, B.C.C.S.
Victoria, B.C. Jan. 29, 1953

S.S. "PRINCESS ELIZABETH"

SHOWING

PROPOSED RE-ARRANGEMENT OF ACCOMMODATION FOR ALASKA CRUISE SERVICE.




UPPER DECK
MAIN DECK
ORLOP DECK
SOCIAL HALL
PASSAGE
ENGINE HATCH
FUNNEL
LOCKERS
ENTRANCE
PURSER'S OFFICE
BAGGAGE ROOM
2nd CLASS PASSENGERS
SPACE FOR MOTOR CARS
ENGINEERS LOUNGE
LINEN ROOM
TURN TABLE FOR MOTOR CARS
GIRDER OVER
GUARD BEAM
CRASH BARRIER
REMOVABLE END
PIPE GUARD
NEW STEEL STAIRWAY
WATER CURTAIN AT DECKHEAD
ALL UNDER STAIRS AREAS INSULATED
INSULATION ON FORWARD FACE OF BULKHEAD
FIRE PROOF DOOR WITH WINDOW
FIRE PROOF DOORS WITH WINDOW
EXISTING DOOR FITTED WITH POP (TWO OFF)
DOOR AS PER PORT
AS PER PORTSIDE
ALL UNDER DOMES AREA INSULATED AND ALSO AROUND CIRCULAR UPTAKE
NEW OILING ACCESS OPENING
AFT PEAK
WATTERS
LOUNGE
SALOON MEN
MESS BOYS
COLD STORAGE
ENGINE ROOM
BOILER ROOM
LOBBY
NEW STEEL STAIRWAYS
GALLEY
FIRE PROOF DOOR PANTRY
FIRE PROOF STEEL DOOR (FITTED WITH THREE DOGS) FITTED WITH SELF CLOSER & SPRING ASSISTED. DOOR REMOVABLE TO ALLOW EXISTING WOOD PANEL DOOR OPEN
FLAP WITH FUSIBLE LINK FITTED ON GALLEY SIDE OF OVERHEAD DUCTING
DINING SALOON
TROPICS
HATCH
SAILORS
CHINESE
CHIEF COOK
FIREMEN
CHAIN LOCKER
WATER CURTAIN ACROSS TOP AT STAIR WAY FOOT
SYMBOLS
NEW BULKHEAD 3/8" CRIMPED STEEL UNINSULATED
DITTO. DITTO. DITTO. INSULATED
EXISTING STEEL BULKHEAD INSULATED
WATER CURTAIN (MANUALLY CONTROLLED) SUPPLY FROM FIRE MAIN
NEW STEEL DOOR
NEW FIRE PROOF DOOR
NEW FIREPROOF DOOR WITH OBSERVATION WINDOW
BULKHEAD INSULATED WITH 18 G.A. STEEL, 1 1/4" LAYER ASBESTOS & 1/8" HARD SURFACE
CONTROL VALVE (CASED IN WITH BREAKABLE GLASS PANEL)
SUPPLY TO FIRE CURTAIN
STRAINER
TEST POINT
CONNECTED TO NEAREST FIRE MAIN
FIRE CURTAIN INDEPENDENT CONTROL ARRGT.
VICTORIA MACHINERY DEPOT CO. LTD.
PROPRIETOR C.P.R. Co. B.C.C.S.
PURCHASER
DESCRIPTION T.S.S. PRINCESS JOAN & ELIZABETH
"AS FITTED" FIRE PROTECTION INSTALLATION.
DRAWN
SCALE 1/8" = 1'-0"
CONT. No 2601/2
CHECKED 18th APRIL 1951
DWG. No. 2102-1
APPROVED
REVISED