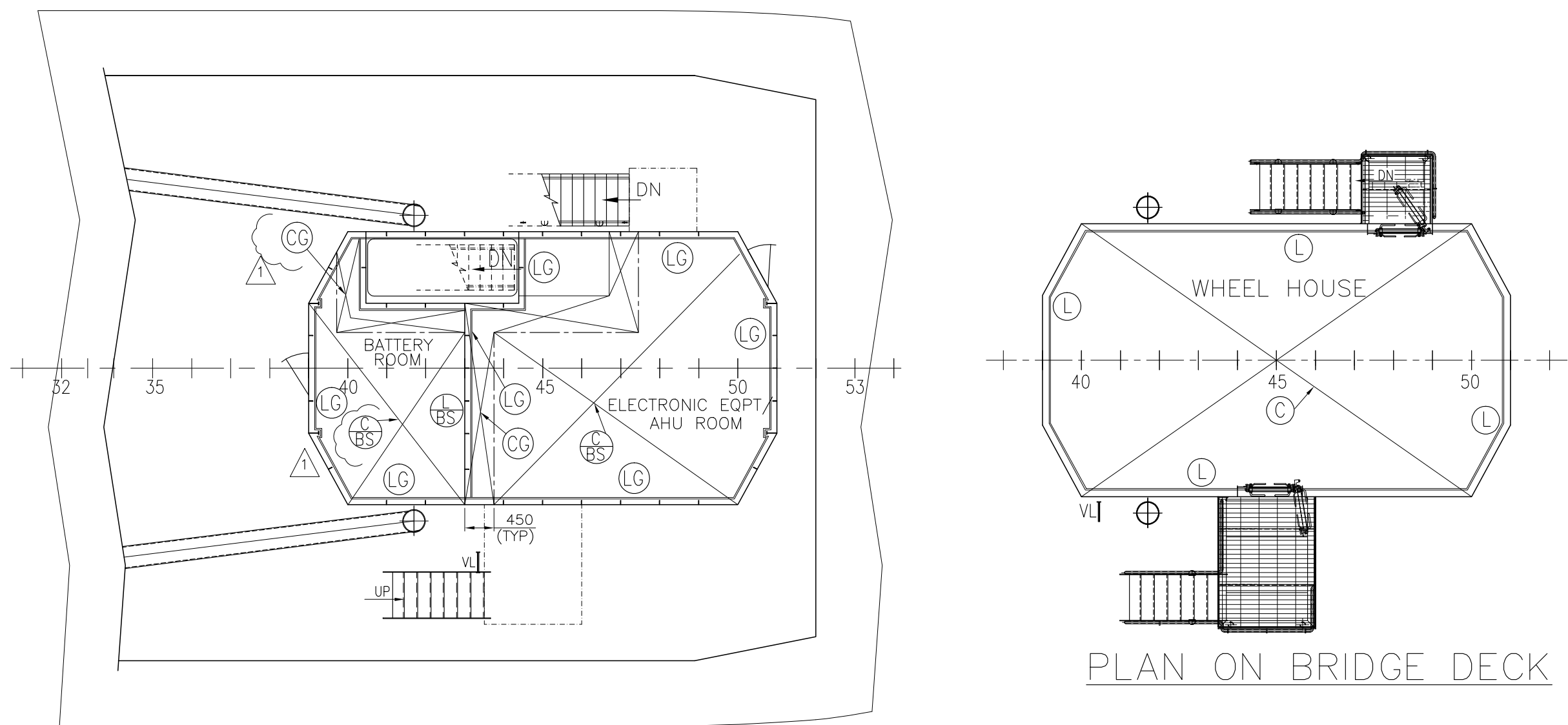
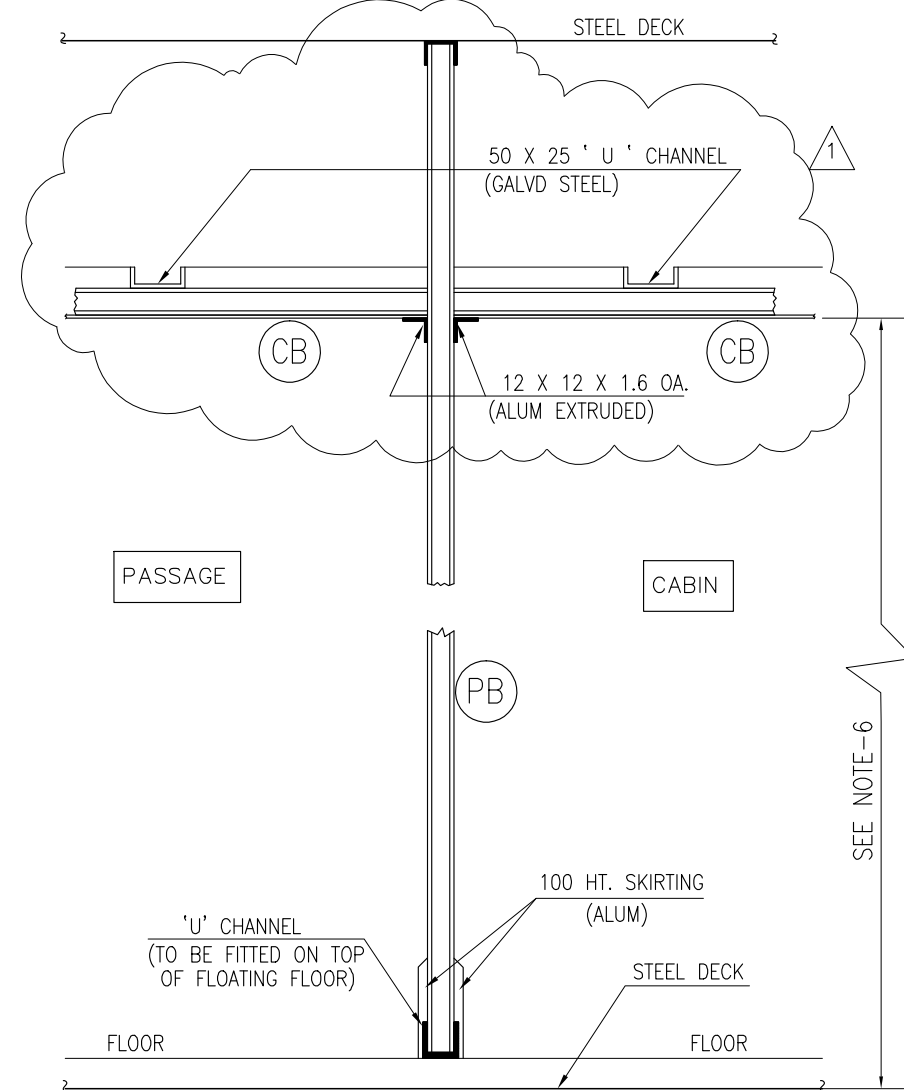


Drawing for Insulation Paneling (ANNEX- B)



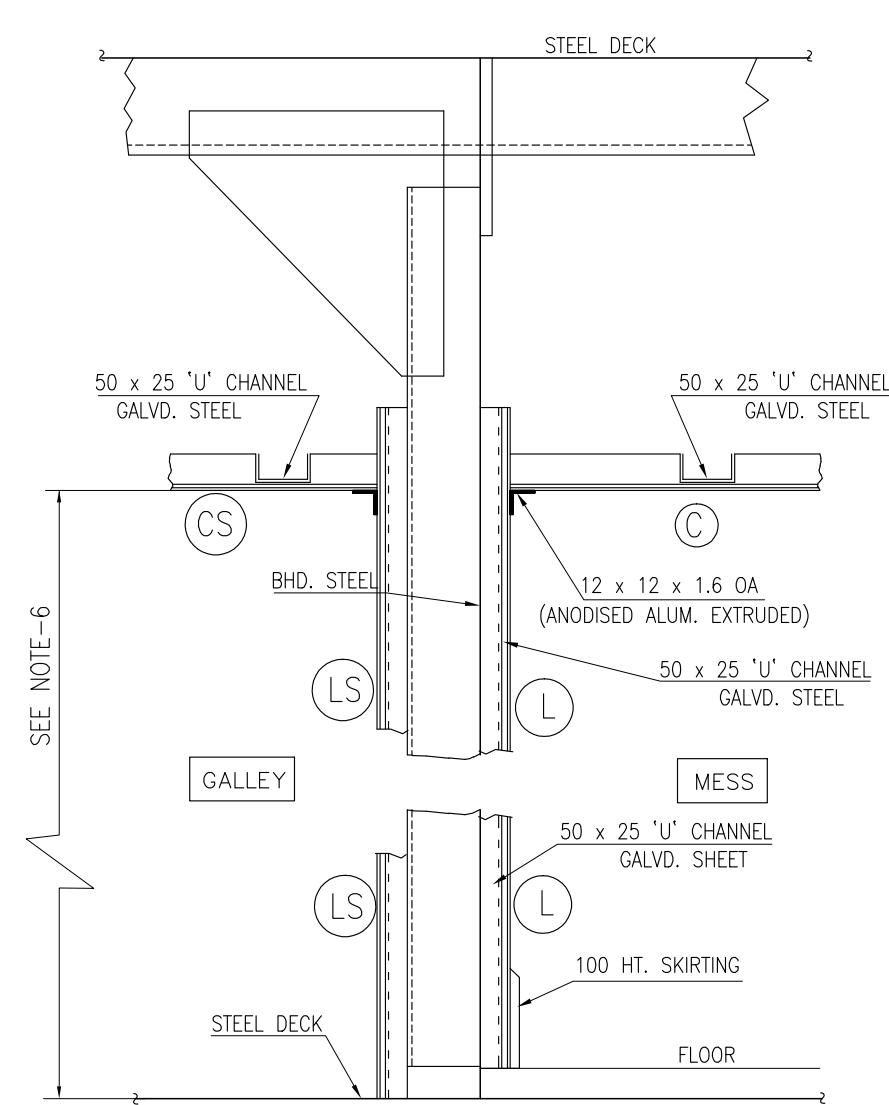
PLAN ON 'A' DECK

PLAN ON BRIDGE DECK



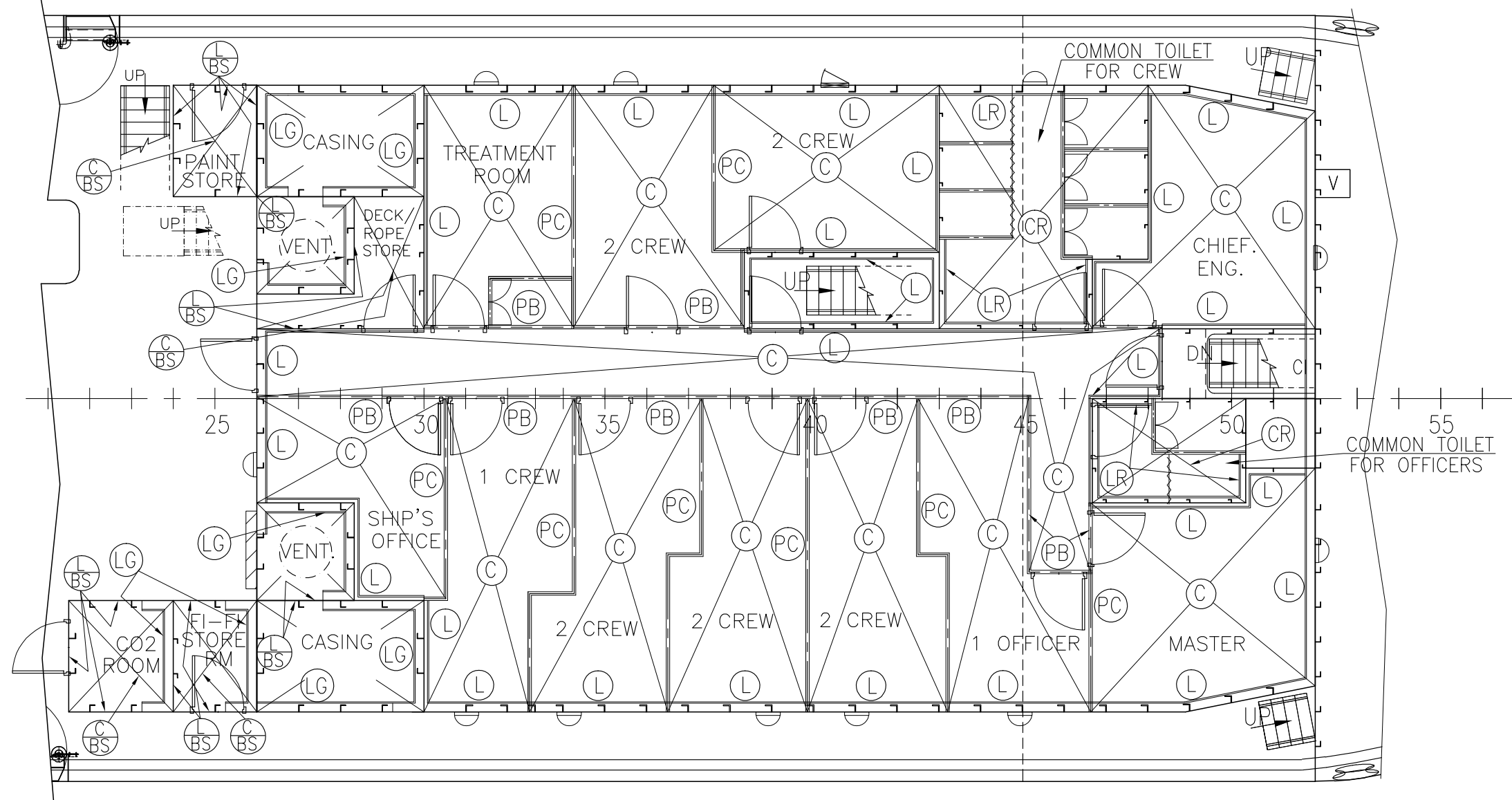
TYP. SECTION I.W.O. FREE STANDING PARTITION

(SCALE - N.T.S.)

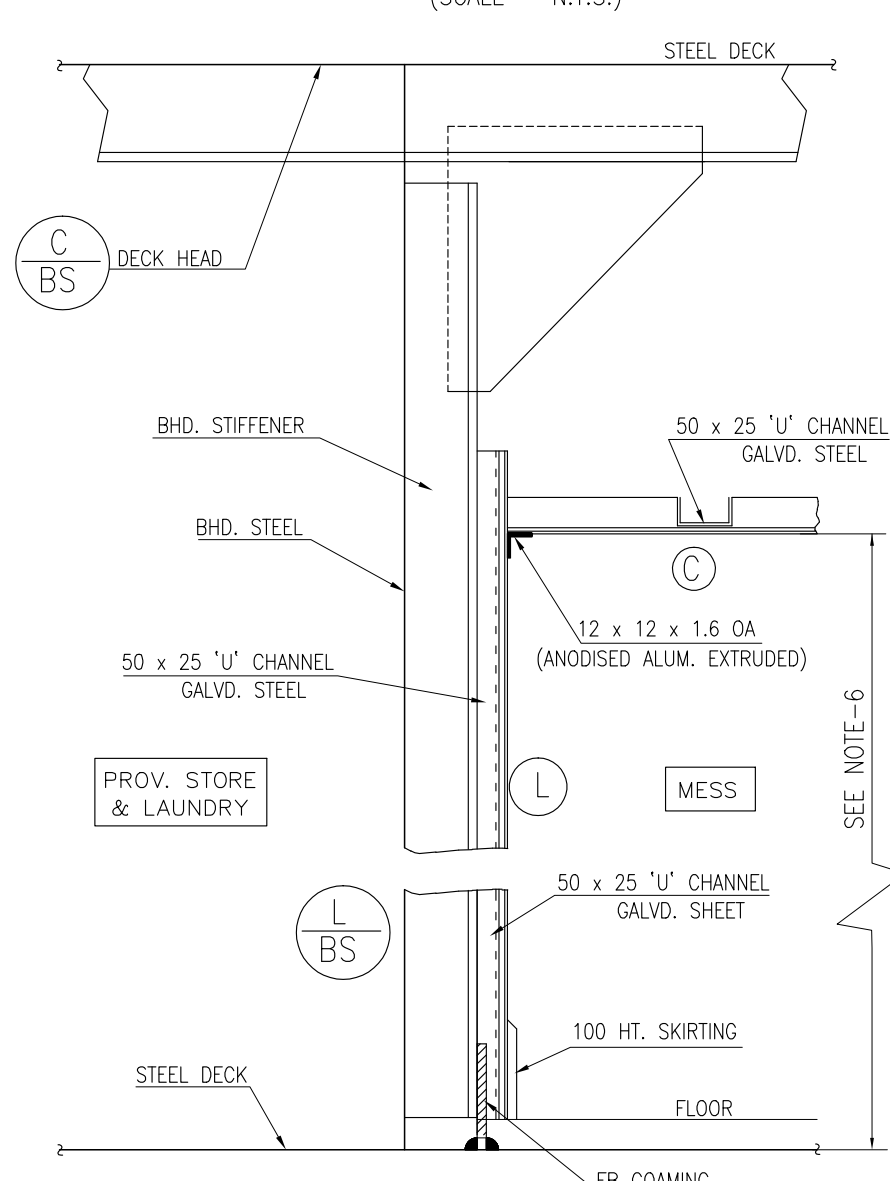


SECTION I.W.O. GALLEY TO MESS

(SCALE - N.T.S.)



PLAN ON MAIN DECK



SECTION I.W.O. STORE & LAUNDRY TO MESS

(SCALE - N.T.S.)

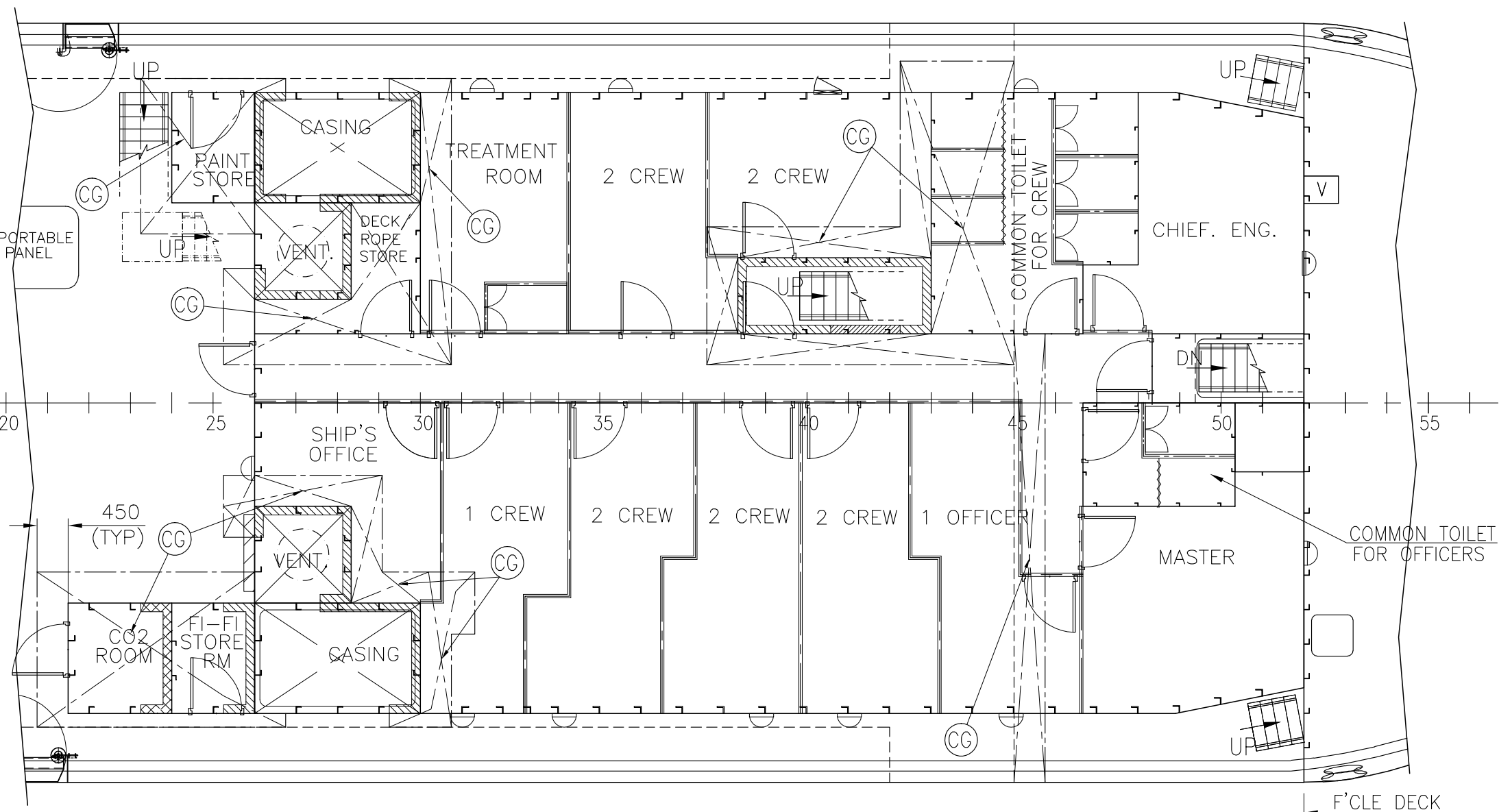
CLASS COMMENTS

- BULKHEADS REQUIRED TO BE B CLASS DIVISIONS SHALL EXTEND FROM DECK TO DECK AND TO THE SHELL OR OTHER BOUNDARIES. HOWEVER, WHERE A CONTINUOUS B CLASS CEILING OR LINING IS FITTED ON BOTH SIDES OF THE BULKHEAD, THE BULKHEAD MAY TERMINATE AT THE CONTIGUOUS CEILING OR LINING (NR467, PIC, CH4, SECS [1.4.2.6]); CEILING PANELS INDICATED ON 'FREE STANDING PARTITION' DETAIL ARE TO BE B CLASS. THE B CLASS BULKHEAD IS TO BE EXTENDED FROM B CLASS CEILING TO DECK.
- FIRE INTEGRITY IS NOT TO BE IMPAIRED IN WAY OF WINDOW CASINGS.
- IN MACHINERY SPACES WHERE PENETRATION OF OIL PRODUCTS IS POSSIBLE, THE SURFACE OF IGNITION ARE TO BE IMPERVIOUS TO OIL AND OIL VAPOURS (NR467, PIC, CH4, SEC 6, [4.1.1.d])
- SURFACES AND GROUNDS IN CONCEALED OR INACCESSIBLE SPACES IN ACCOMMODATION AND SERVICE SPACES AND CONTROL STATIONS ARE TO HAVE LOW FLAME SPREAD CHARACTERISTICS IN ACCORDANCE WITH THE FIRE TEST PROCEDURES CODE (e.g. PLASTIC LAMINATE).
- RESTRICTED USE OF COMBUSTIBLE MATERIALS IS TO BE IN COMPLIANCE WITH NR467, PTC,CH4,SEC2, §2.2.1 & §2.2.2 (E.G. PLASTIC LAMINATE, TOTAL VOLUME OF COMBUSTIBLE MATERIALS, ETC.).
- FOR FIRE INSULATION REQUIREMENTS SEE DRAWING 01-22 H28 - STRUCTURAL FIRE PROTECTION PLAN.
- SURFACES AND GROUNDS IN CONCEALED OR INACCESSIBLE SPACES IN ACCOMMODATION AND SERVICE SPACES AND CONTROL STATIONS ARE TO HAVE LOW FLAME SPREAD CHARACTERISTICS IN ACCORDANCE WITH THE FIRE TEST PROCEDURES CODE (E.G. PLASTIC LAMINATE).
- FIRE CLASS BULKHEAD, DECKS, DOORS, FIRE CLASS WINDOWS AND SIDE SCUTTLES, SURFACE MATERIALS, INSULATION MATERIALS, PRIMARY DECK COVERING AND CABLE PENETRATIONS ARE TO BE TYPE APPROVED BY THE SOCIETY.

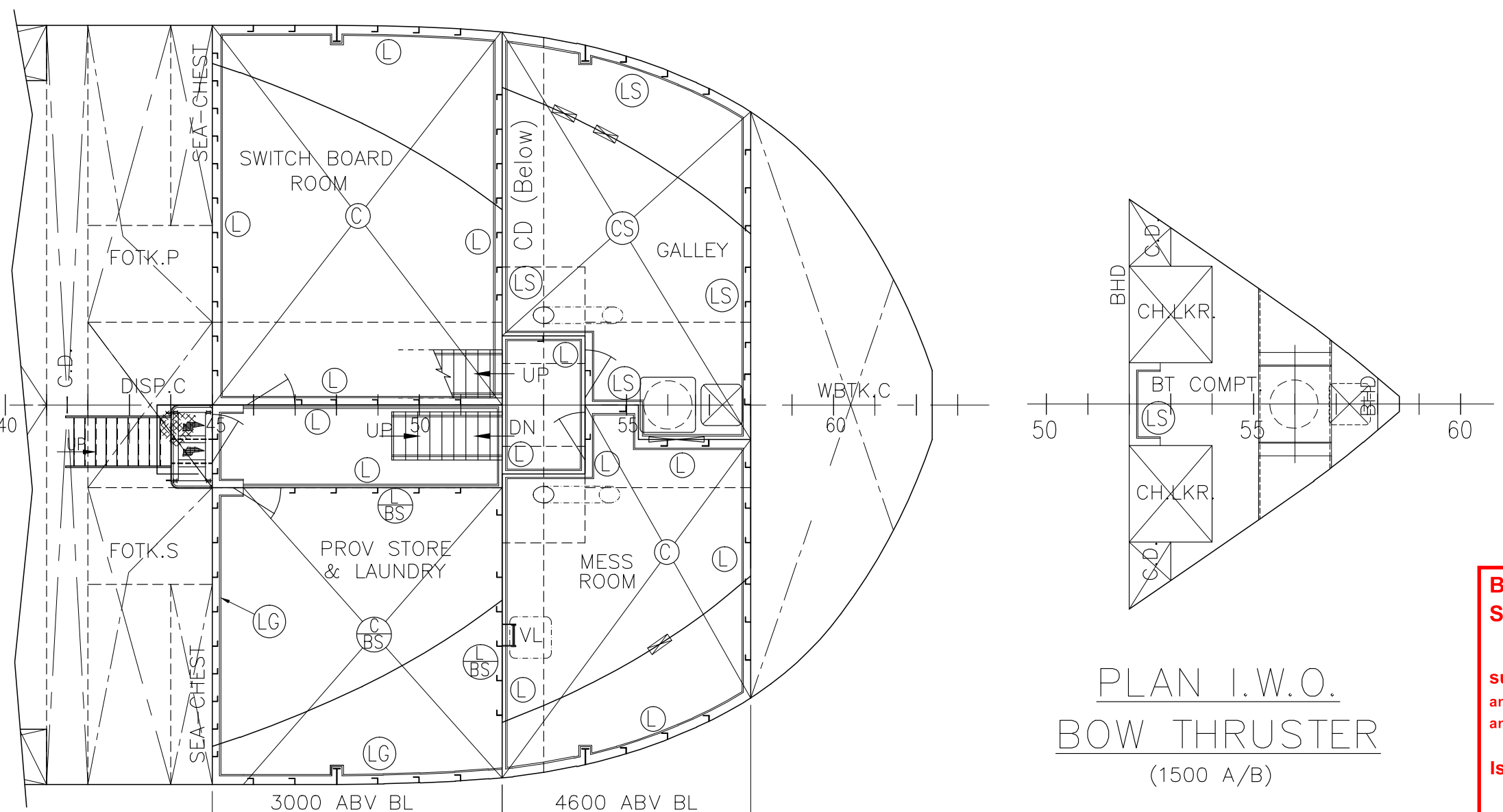
	SYMBOL	MATERIAL
CEILING	(C)	- 10 MM THICK NON COMBUSTIBLE BOARD FACED AT BOTH SIDES WITH 1.5 THK. PLASTIC LAMINATE.
	(CB)	- 50 MM THK. MARINE PANEL CONSISTING OF DOUBLE STEEL SHEET WITH GLASSWOOL OR EQUIVALENT INSULATION IN BETWEEN FACED WITH 1.5 THK. DECORATIVE FOIL ON BOTH SIDES OR EQUIVALENT FOR 'B0' CLASS STANDARD.
	(CR)	- 10 MM THICK NON COMBUSTIBLE WATER RESISTANT BOARD FACED AT BOTH SIDES WITH 1.5 THK. PLASTIC LAMINATE.
	(CS)	- 22 SWG STAINLESS STEEL SHEET.
	(CG)	- THIN GAUGE PERFORATED GALVANISED STEEL SHEET OR EQUIV.
	(BS)	- CEILING TO BE BARE STEEL - PAINTED. (COLOUR TO OWNER CHOICE)
LINING	(L)	- 16 MM THICK NON COMBUSTIBLE BOARD FACED AT BOTH SIDES WITH 1.5 THK. PLASTIC LAMINATE.
	(LS)	- 22 SWG STAINLESS STEEL SHEET.
	(LG)	- 1.0 MM THK PERFORATED GALVANISED STEEL SHEET- PAINTED.
	(LR)	- 16 MM THICK NON COMBUSTIBLE WATER RESISTANT BOARD FACED AT BOTH SIDES WITH 1.5 THK. PLASTIC LAMINATE.
	(BS)	ALL LINING TO BE SECURED WITH: - 50 x 20 'U' CHANNEL FOR SUPPORTING BOARD / GALV. SHEET / S.S. SHEET. - POP, RIVET OR CSK. SCREW AT EVERY 250 MM APART FOR (LG) AND (LS) - ANGLE STRIP BETWEEN LINING / CEILING. - SKIRTING BETWEEN LINING / FLOOR. - OR VENDOR'S STANDARD METHOD APPROVED BY SURVEYOR.
	(BS)	BARE STEEL PAINTED - NO LINING. (COLOUR TO OWNER CHOICE)
PARTITION	(PB)	- 50 MM THK. MARINE PANEL CONSISTING OF DOUBLE STEEL SHEET WITH GLASSWOOL OR EQUIVALENT INSULATION IN BETWEEN FACED WITH 1.5 THK. DECORATIVE FOIL ON BOTH SIDES OR EQUIVALENT FOR 'B0' CLASS STANDARD. - 50 x 20 'U' CHANNEL FOR SUPPORTING BOARD. - ANGLE STRIP BETWEEN LINING / CEILING. - SKIRTING BETWEEN LINING / FLOOR. - OR VENDOR'S STANDARD METHOD APPROVED BY SURVEYOR.
	(PC)	- 50 MM THK MARINE BOARD WITH DECORATIVE FOIL ON BOTH SIDES TO 'C' CLASS STANDARD.

NOTE :-

- ALL PAINT SHALL NOT OFFER UNDUE FIRE HAZARD AND SHALL NOT BE CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE.
- ALL MATERIAL, FOR USE IN LINING, PARTITION, TO BE APPROVED BY MARITIME ADMINISTRATION. SURFACE COVERING TO BE TYPE APPROVED (LOW FLAME SPREAD CHARACTERISTICS).
- ALL BULKHEADS, WHERE NOT REQUIRED TO BE 'A' OR 'B' CLASS BEING AT LEAST 'C' CLASS CONSTRUCTION.
- COPIES OF CERTIFICATES APPROVED BY THE NATIONAL AUTHORITIES IN RESPECT OF ALL 'A', 'B' & 'C' CLASS FIRE DIVISIONS, NOT-COMBUSTIBLE MATL. & MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS. ETC. WHICH ARE TO BE USED BEING SUBMITTED.
- PRIMARY DECK COVERING BEING OF AN APPROVED MATERIAL WHICH WILL NOT READILY IGNITE OR GIVE RISE TO TOXIC OR EXPLOSIVE HAZARDS AT ELEVATED TEMPERATURES.
- THROUGHOUT THE ACCOMMODATION THE FREE HEIGHT SHALL NOT BE LESS THAN 2050 mm INCLUDING LIGHTING ORNAMENTS.
- ALL ACCOMMODATION PANELS SHALL BE ERECTED TO MANUFACTURER'S STANDARD STEEL PROFILES. PORTABLE PANELS TO BE FITTED WHERE CABLE RUNS, REMOTE CONTROL LINES, AIR TRUNKING OR OTHER ITEMS ARE CONCEALED BY THE LINING FOR WHICH ACCESS FOR MAINTENANCE AT LATER STAGE IS REQUIRED.
- THIS IS TO BE READ WITH STRUCTURAL FIRE PROTECTION PLAN. DWG. NO. - 01/22-H28



INSULATION PLAN UNDERSIDE OF MAIN DECK



PLAN I.W.O. BOW THRUSTER
(1500 A/B)

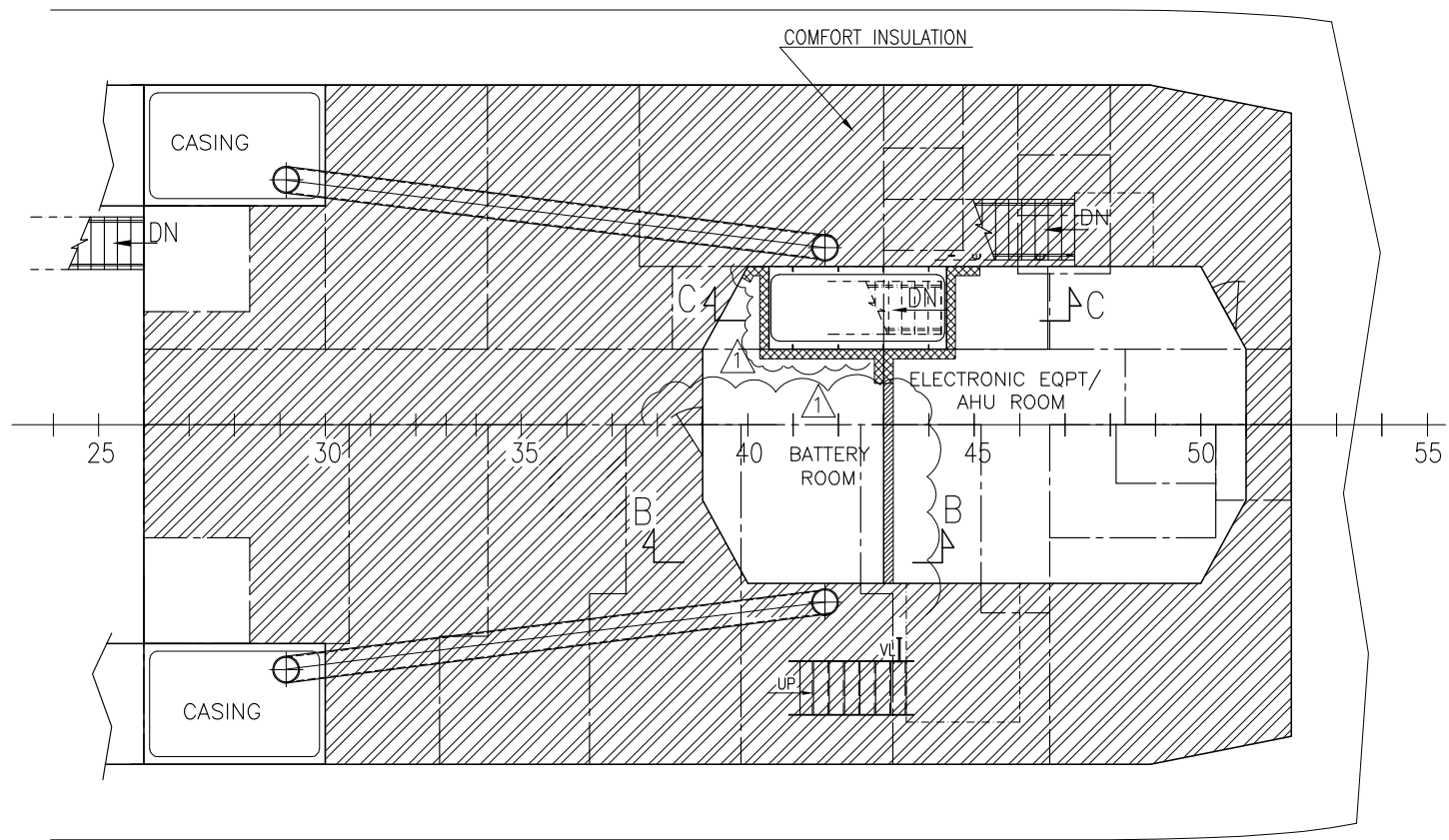
Bureau Veritas Marine & Offshore
Section 42215N/42216P
REVIEWED
 subject to comments
 and only for parts concerning Classification,
 and as per contract.
 Istanbul, 17-Jan-2023
 [Electronic document]
 The plan approval office

See comments in VPM

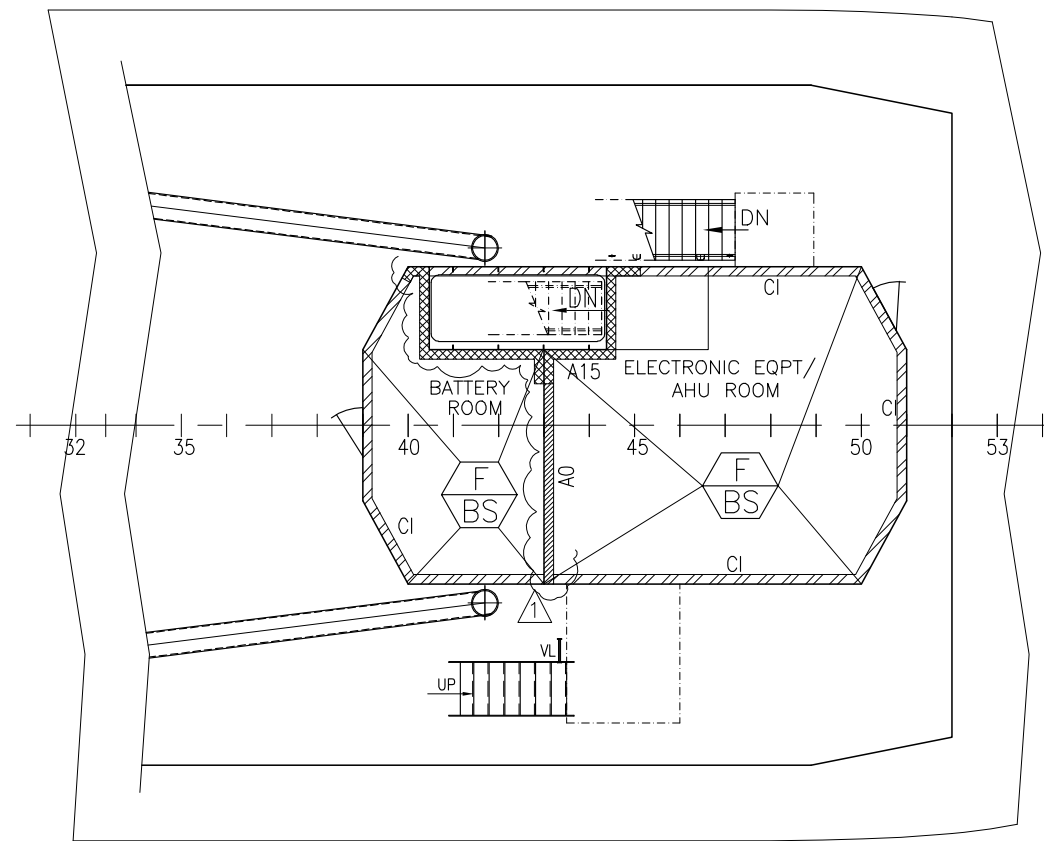
REVIEWED BY CLASS (LP02040573, LP02040574, LP02040575, LP02040576, LP02040565, LP02040566, LP02040567)	20.12.22	Partha					
DATED 08 Dec 2022.							
REV	DESCRIPTION OF ALTERATION	DATE	BY	REV	DESCRIPTION OF ALTERATION	DATE	BY

- ALL STEEL MATERIAL ARE BY GRADE-A UNLESS STATED OTHERWISE.
- YARD IS ADVISED NOT TO FABRICATE UNTIL DWG. IS APPROVED BY CLASS.
- "HOLD" MARK ON DWG. INDICATES CLASS APPROVAL PENDING.

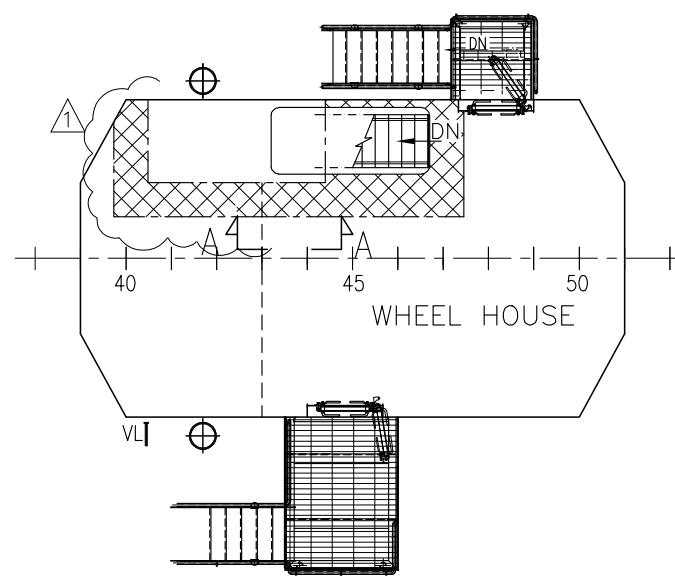
DRAWN : Partha	SCALE : 1 : 75	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD
CHECKED : NAV	CLIENT'S HULL NO. : NB786 & NB787	TITLE : LINING/PARTITION & CEILING PLAN	NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS.
DATE : 18.10.22	APPROVED BY CLASS DATED : 08.12.2022	BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH	540 SING AVEHUE #02-04 SING AVE CENTRE SINGAPORE 387603 E-mail: NP@navnautik.com or navnautik@gmail.com
APPROVED BY OWNER DATED :	APPROVED BY OWNER DATED :	OWNER : PAYRA PORT AUTHORITY, BANGLADESH	DRG. NO. : 01/22-H29 (SHT 1 OF 1)
			REV :1



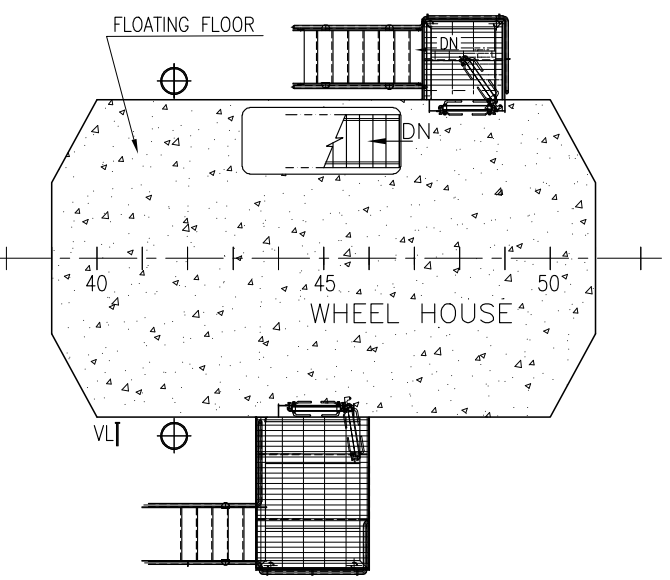
INSULATION PLAN UNDERSIDE OF 'A' DECK



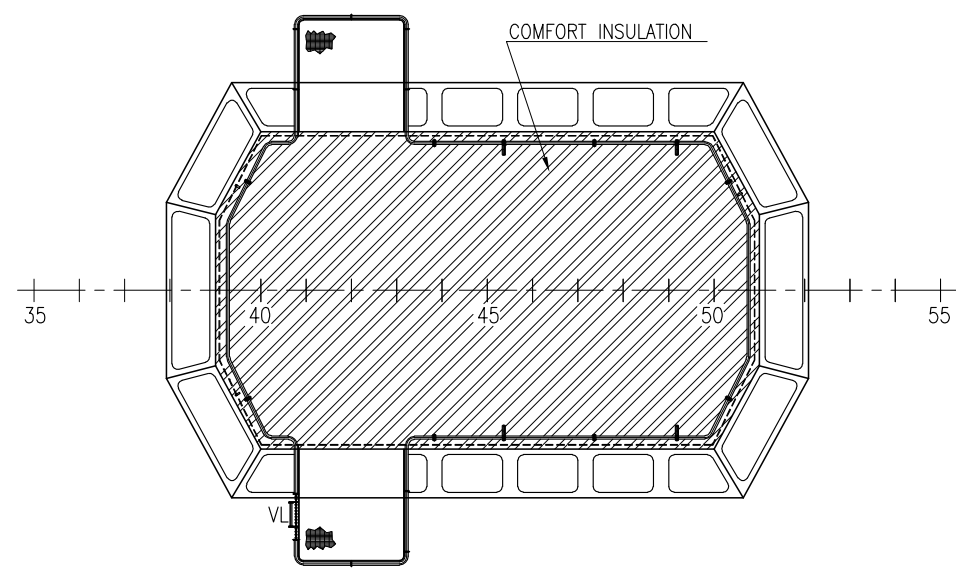
'A' DECK FLOORING & BHD INSULATION



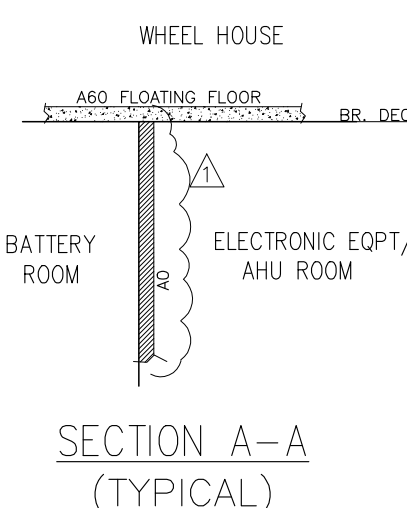
INSULATION PLAN UNDERSIDE OF BRIDGE DECK



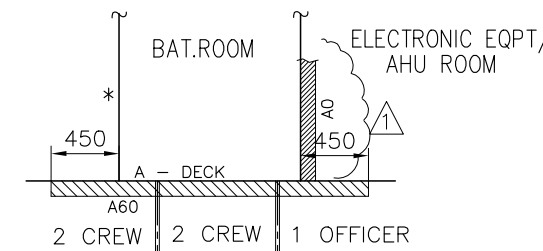
EXTENT OF FLOATING FLOOR -BRIDGE DECK



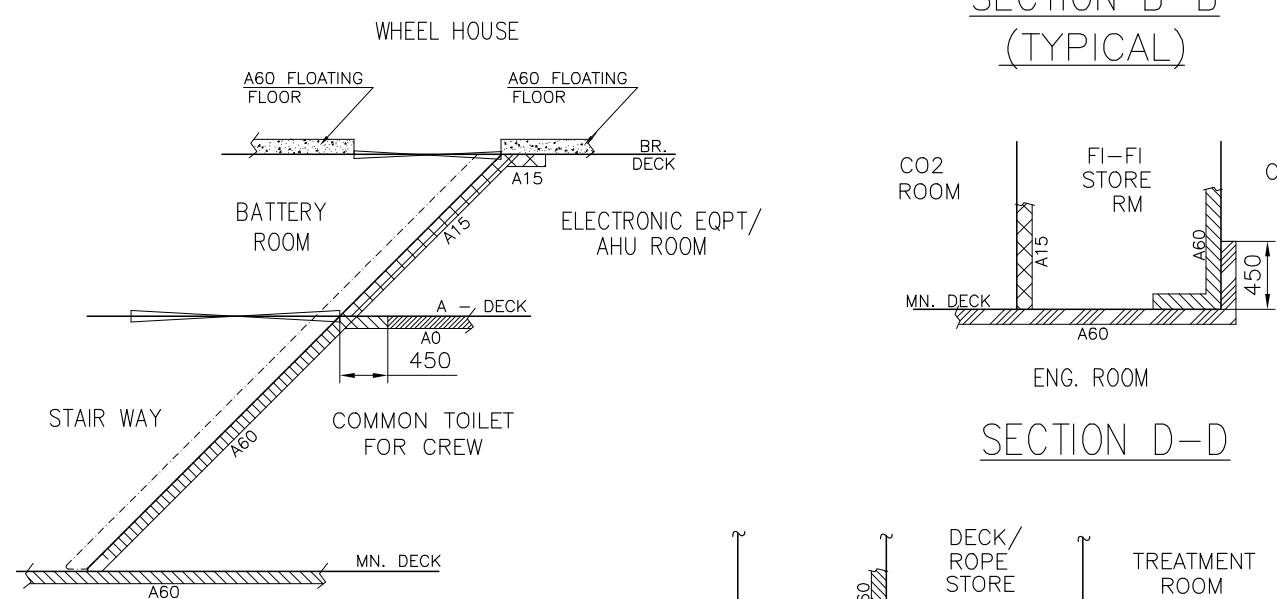
INSULATION PLAN UNDERSIDE OF WHEELHOUSE TOP



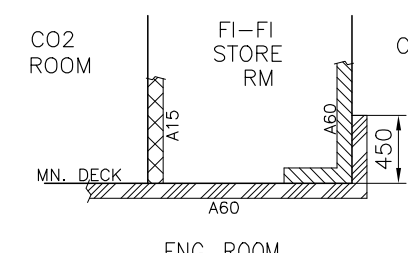
SECTION A-A (TYPICAL)



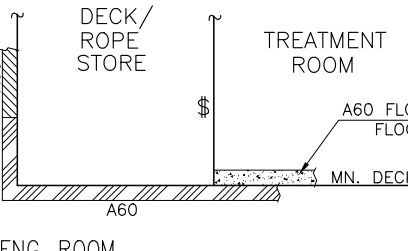
SECTION B-B (TYPICAL)



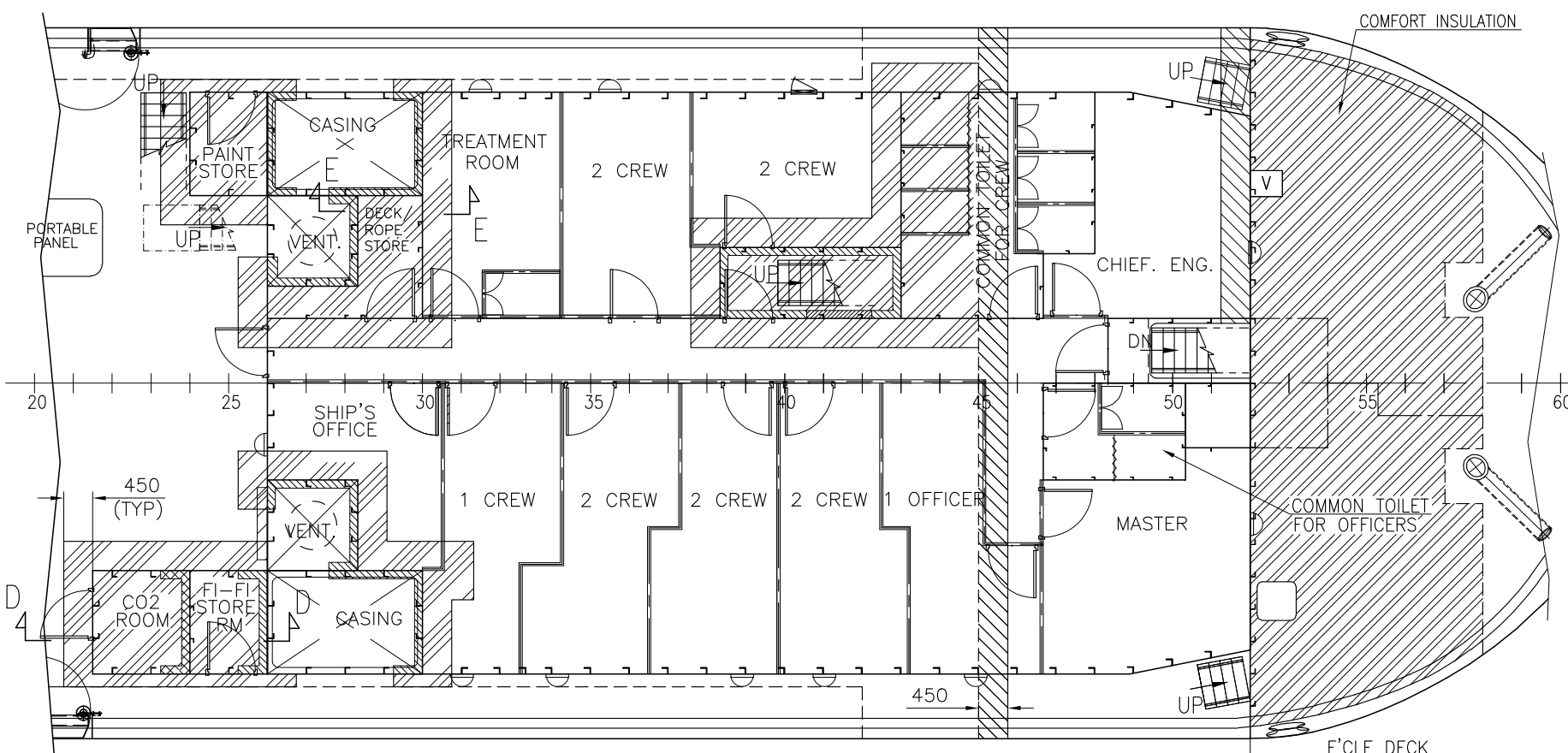
SECTION C-C (TYPICAL)



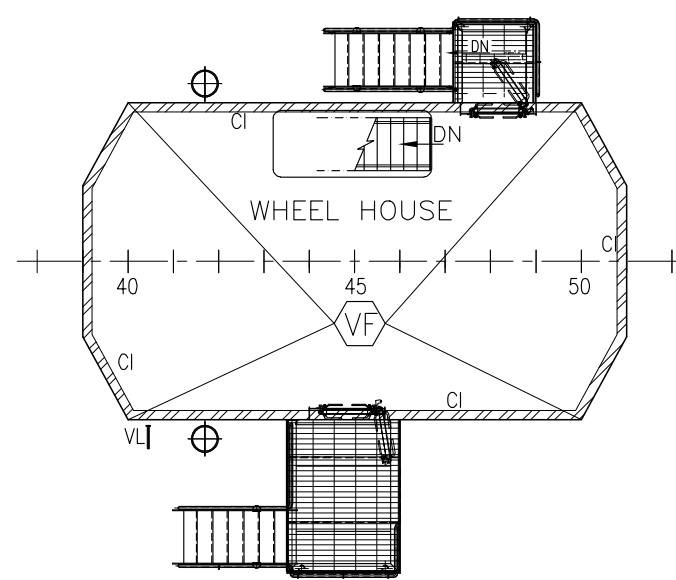
SECTION D-D (TYPICAL)



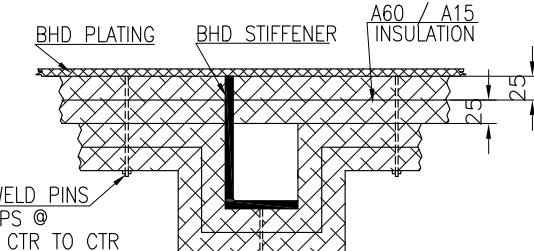
SECTION E-E (TYPICAL)



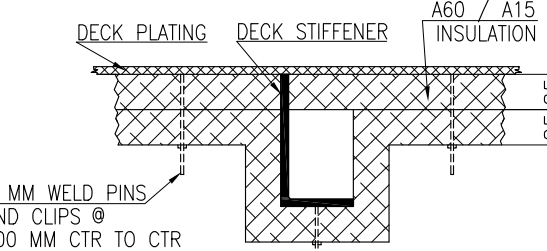
INSULATION PLAN UNDERSIDE OF MAIN DECK



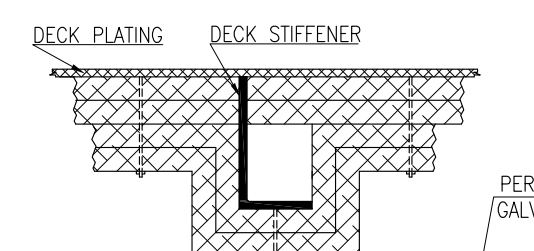
BRIDGE DECK FLOORING & BHD INSULATION



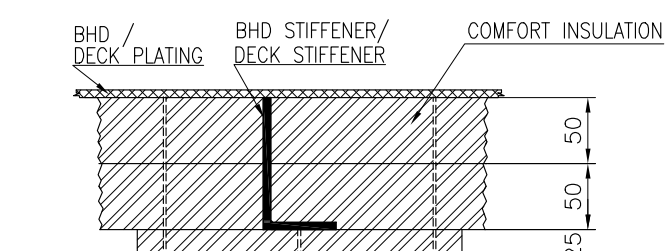
TYP. SECTION I.W.O. STIFF. FOR A60/A15 BULKHEAD INSULATION (SCALE - N.T.S.)



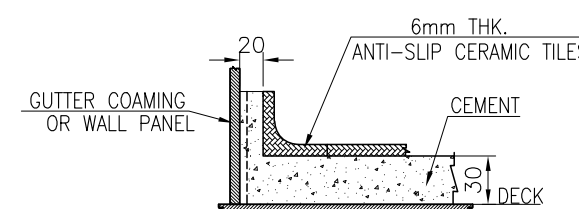
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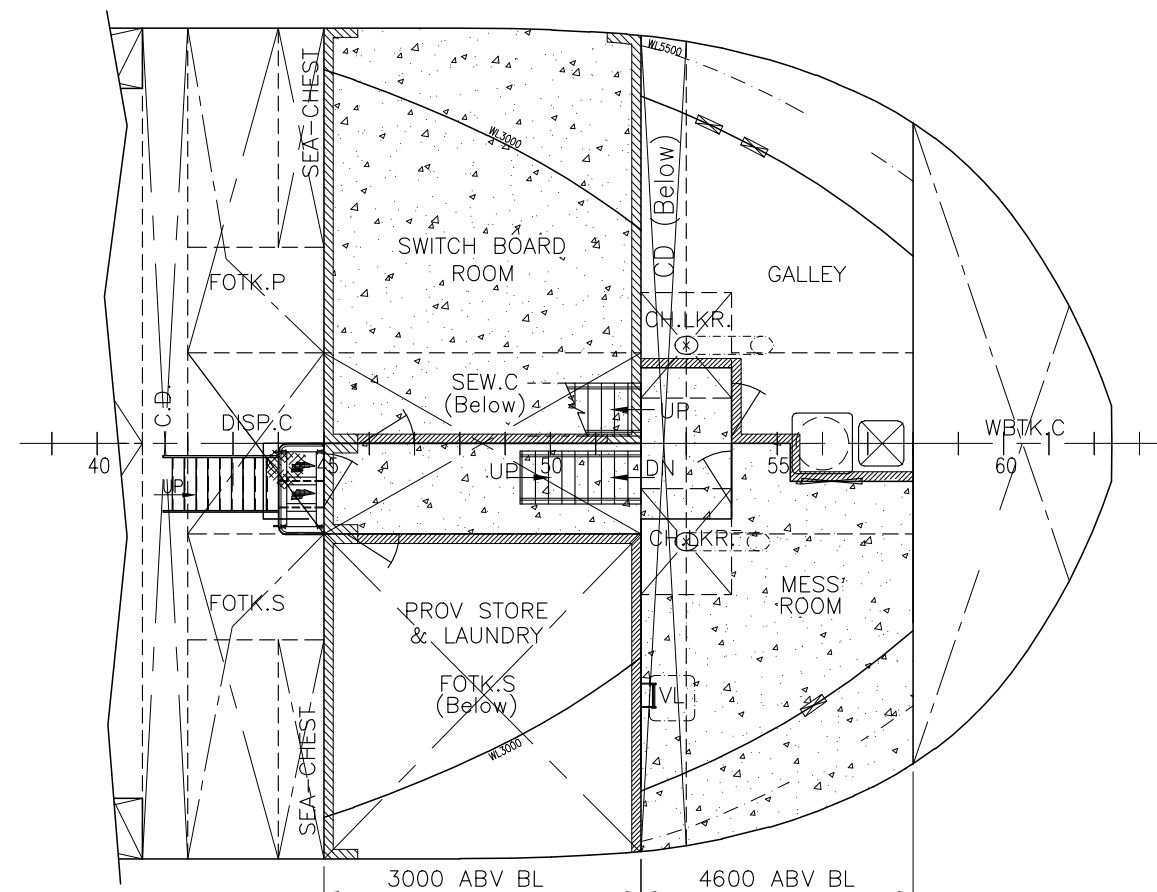
TYP. SECTION I.W.O. STIFF. FOR GALV. SHEET (SCALE - N.T.S.)



TYP. SECTION I.W.O. STIFF. FOR COMFORT INSULATION (SCALE - N.T.S.)



TYPICAL SECTION OF DECK COVERING FOR WET SPACES (SCALE - N.T.S.)



EXTENT OF FLOATING FLOOR -BELOW MAIN DECK

CLASS COMMENTS

- RESTRICTED USE OF COMBUSTIBLE MATERIALS IS TO BE IN COMPLIANCE WITH NR467, PTC, CH4, SEC.2, §2.2.1 & §2.2.2 (E.G. PLASTIC LAMINATE, TOTAL VOLUME OF COMBUSTIBLE MATERIALS, ETC.).
- FOR FIRE INSULATION REQUIREMENTS SEE DRAWING 01-22 H28 - STRUCTURAL FIRE PROTECTION PLAN.
- MATERIALS USED IN MACHINERY SPACES ARE NOT NORMALLY TO HAVE PROPERTIES INCREASING THE FIRE POTENTIAL OF THESE ROOMS. NEITHER COMBUSTIBLE NOR OIL-ABSORBING MATERIALS ARE TO BE USED AS FLOORING, BULKHEAD LINING, CEILING OR DECK IN THE CONTROL ROOM, MACHINERY SPACES, SHAFT TUNNEL OR ROOMS WHERE OIL TANKS ARE LOCATED (E.G. ADHESIVE TAPE).
- FIRE CLASS BULKHEAD, DECKS, DOORS, FIRE CLASS WINDOWS AND SIDE SCUTTLERS, SURFACE MATERIALS, INSULATION MATERIALS, PRIMARY DECK COVERING AND CABLE PENETRATIONS ARE TO BE TYPE APPROVED BY THE SOCIETY.

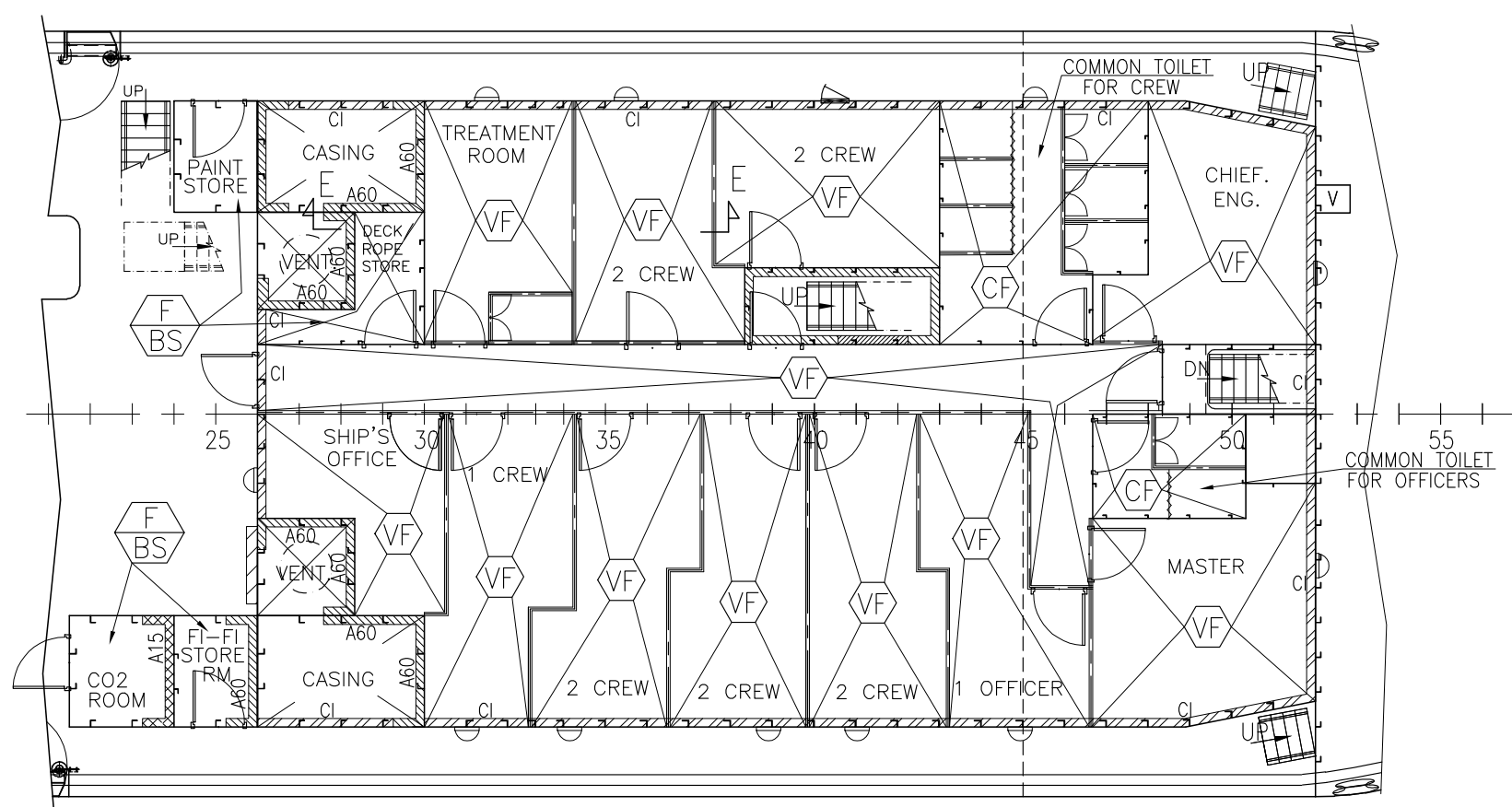
NOTE: -

- FOR STRUCTURAL FIRE PROTECTION SEE 01/22-H28
- THE VESSEL HAS FI FI 1 NOTATION BUT WITH 'WATER SPRAY' NOTATION. THE VESSEL WILL BE PROVIDED WITH WATER SPRAY SYSTEM AS PER CLASS REQUIREMENTS. HENCE 'A60' INSULATION FOR THE EXTERIOR SIDES FROM LIGHT WATERLINE TO WHEEL HOUSE WILL NOT BE PROVIDED. NO STEEL SHUTTERS WILL BE PROVIDED FOR WINDOWS/SCUTTLERS.
- PRIMARY DECK COVERING SHALL BE OF APPROVED MATERIAL WHICH WILL NOT READILY IGNITE. CERTIFICATE TO BE SUBMITTED STATUTORY AUTHORITY.
- INSULATION UNDER FLOATING FLOOR TO BE A-60 CLASS. ADVANTAGE OF THIS HAS BEEN TAKEN FOR 'STRUCTURAL FIRE PROTECTION'.
- INSULATION MATERIAL TO BE TO TYPE APPROVED.
- DECKS NOT COVERED IN THIS PLAN BE PAINTED ACCORDING TO PAINTING SPECIFICATION.
- FLOOR COVERING TO BE APPROVED TYPE.

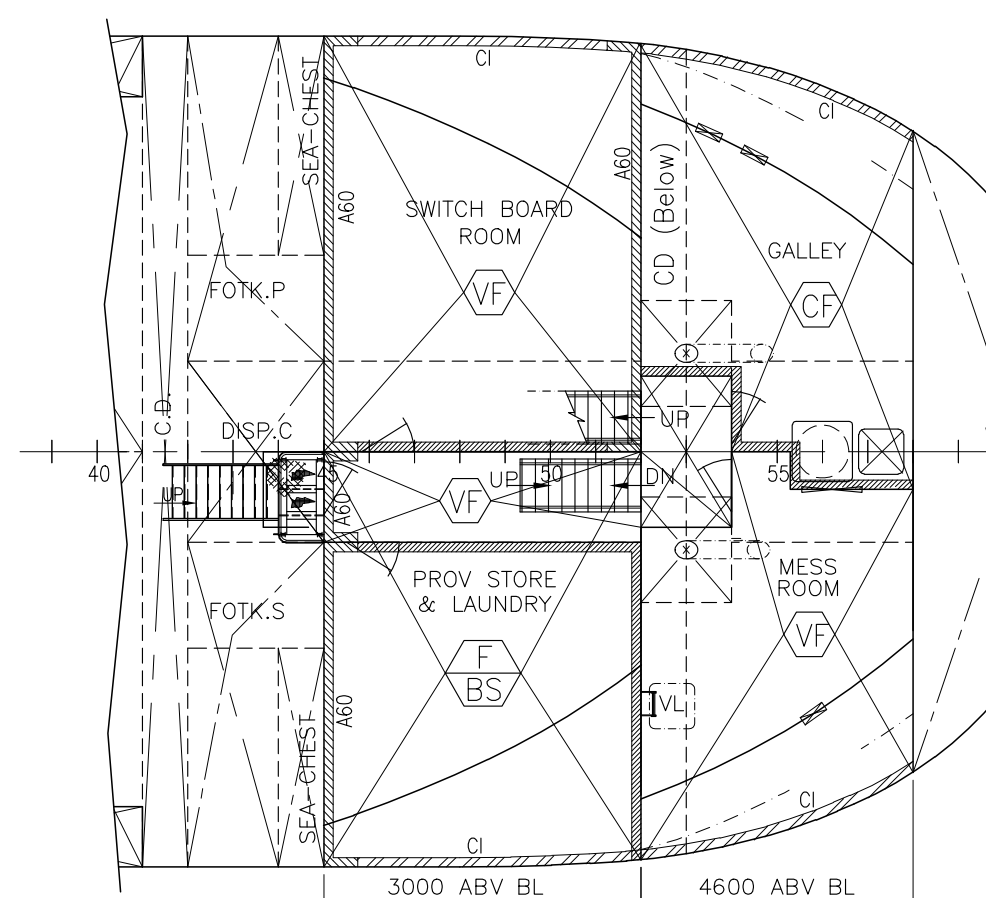
Bureau Veritas Marine & Offshore
Section 42215N / 42216P
REVIEWED
subject to comments
and only for parts concerning Classification,
and as per contract.
Istanbul, 17-Jan-2023

(Electronic document)
The plan approval office

See comments in VPM



PLAN ON MAIN DECK



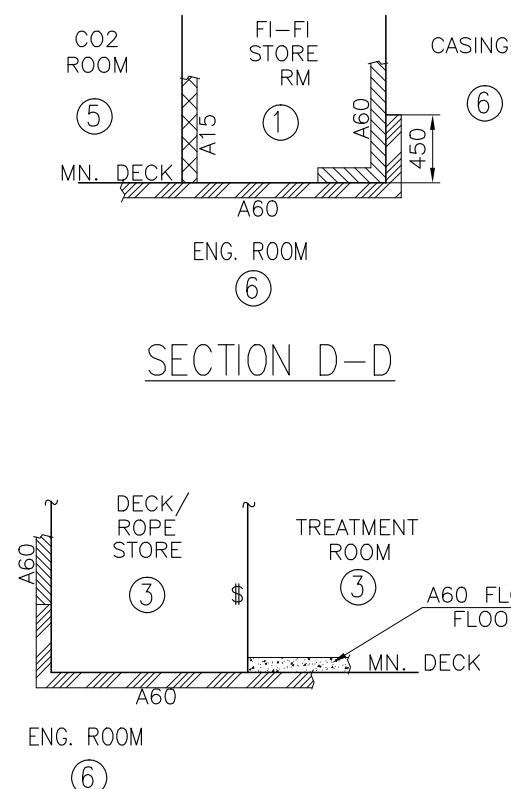
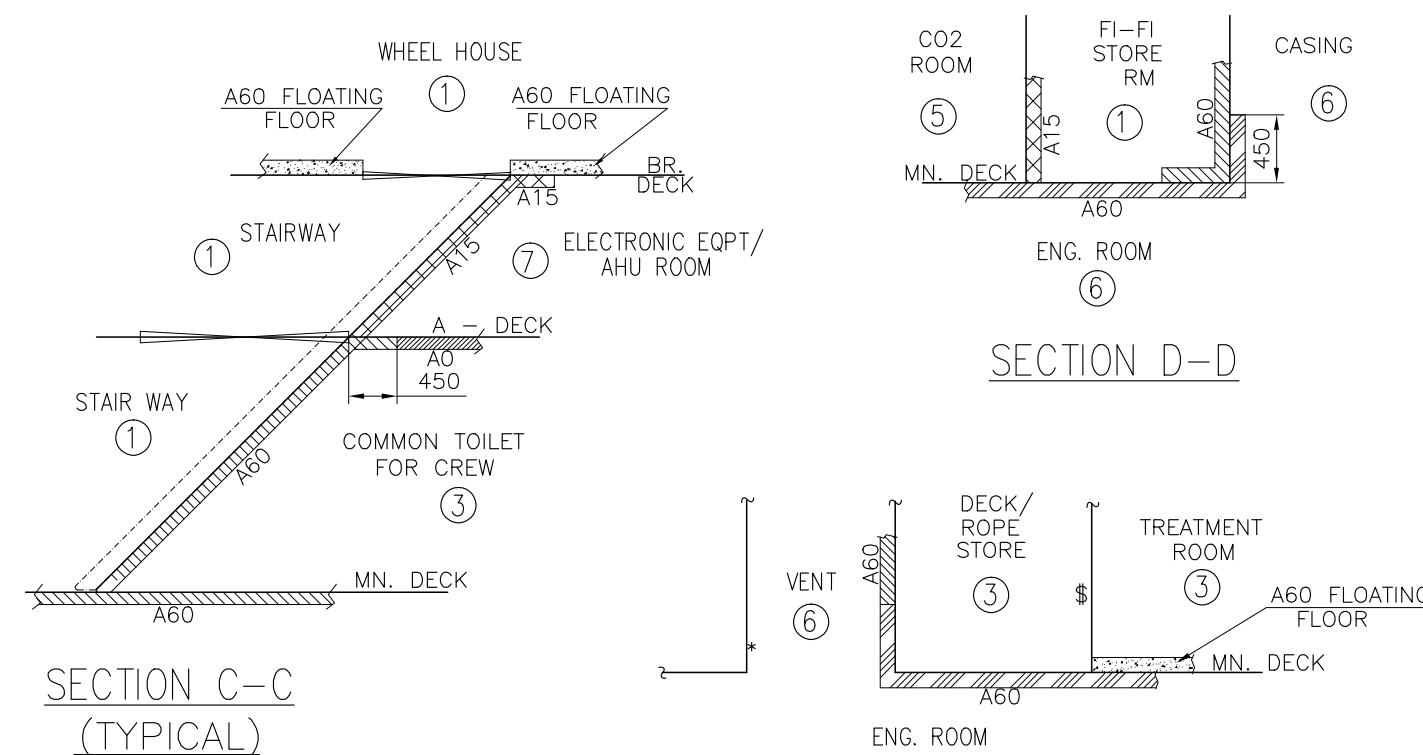
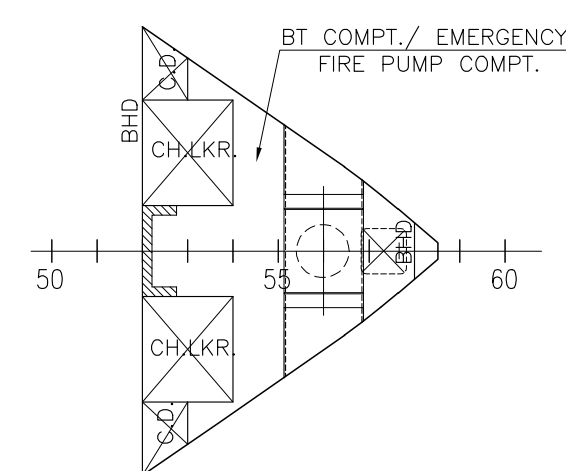
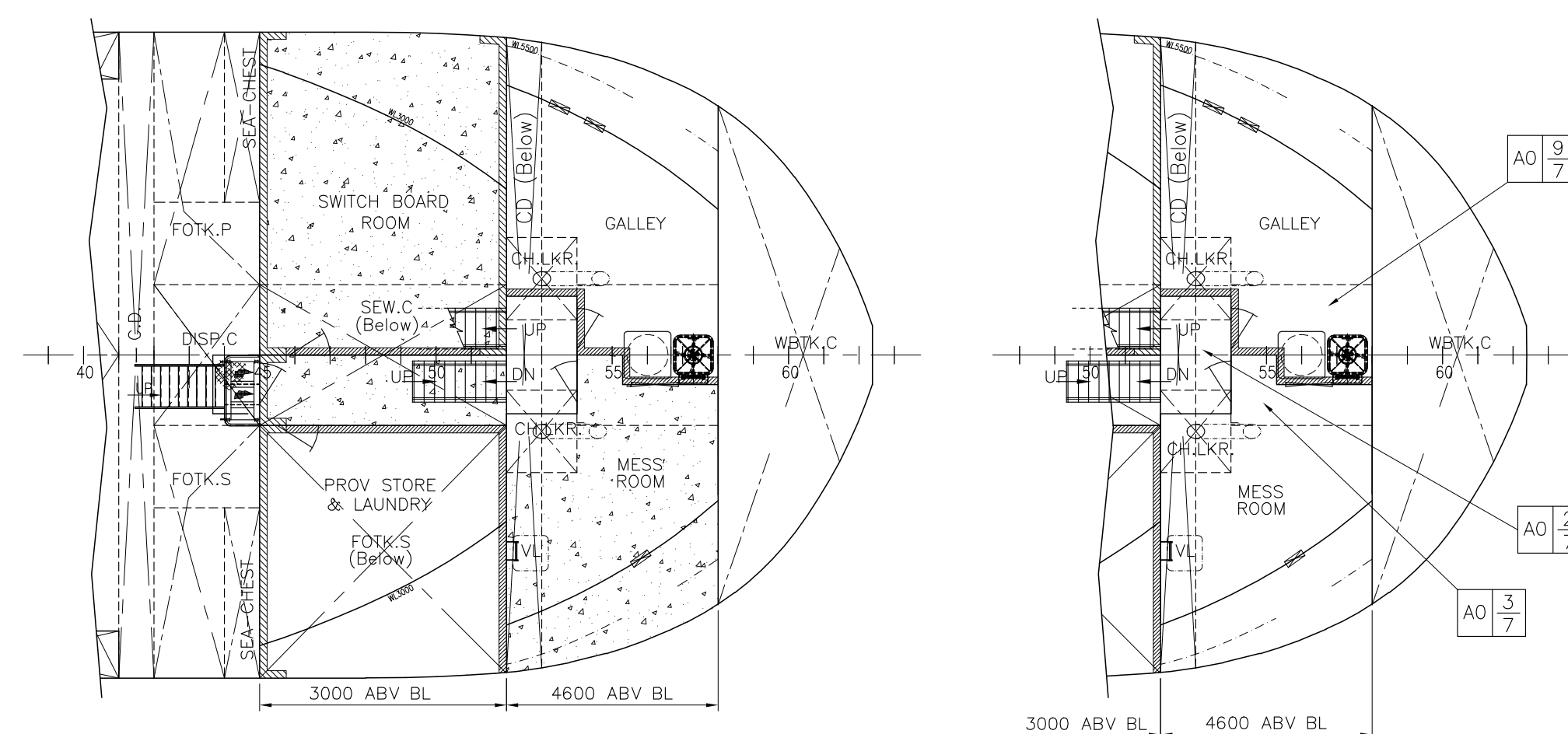
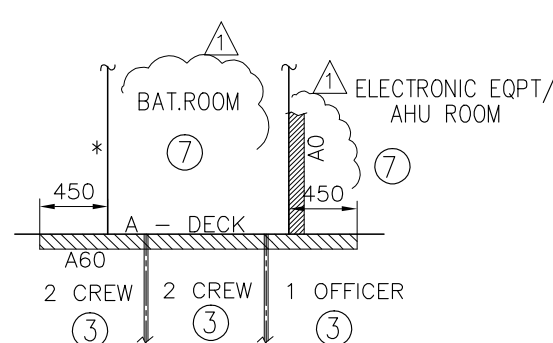
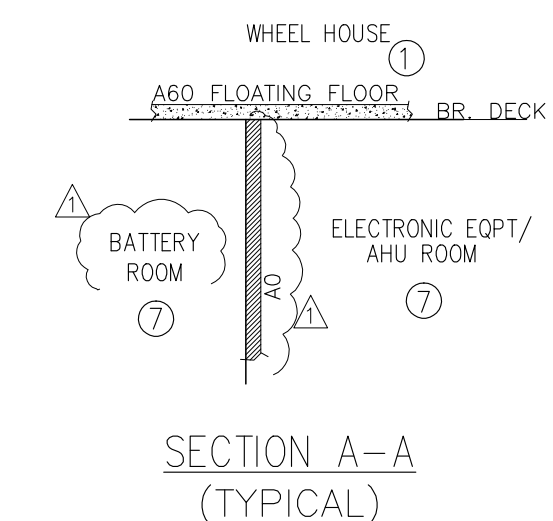
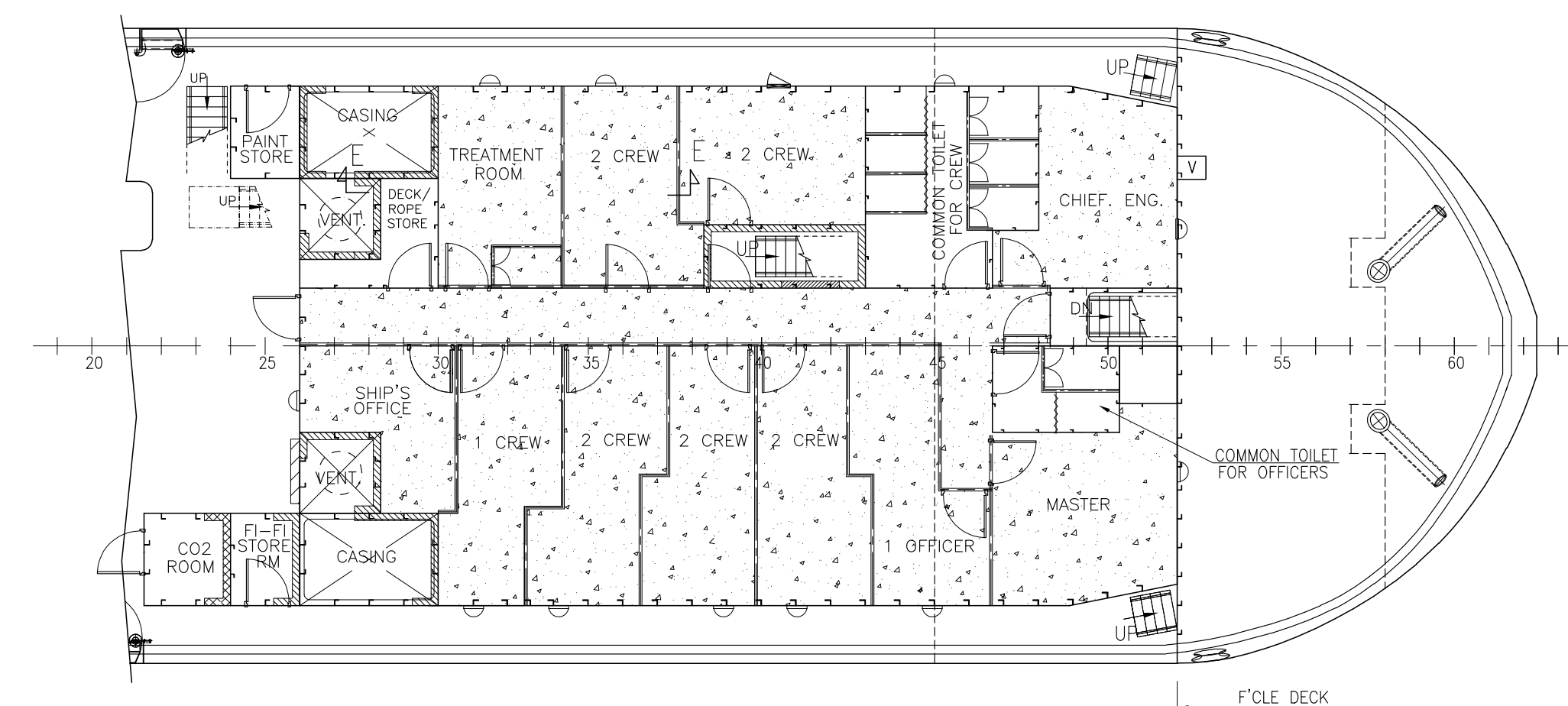
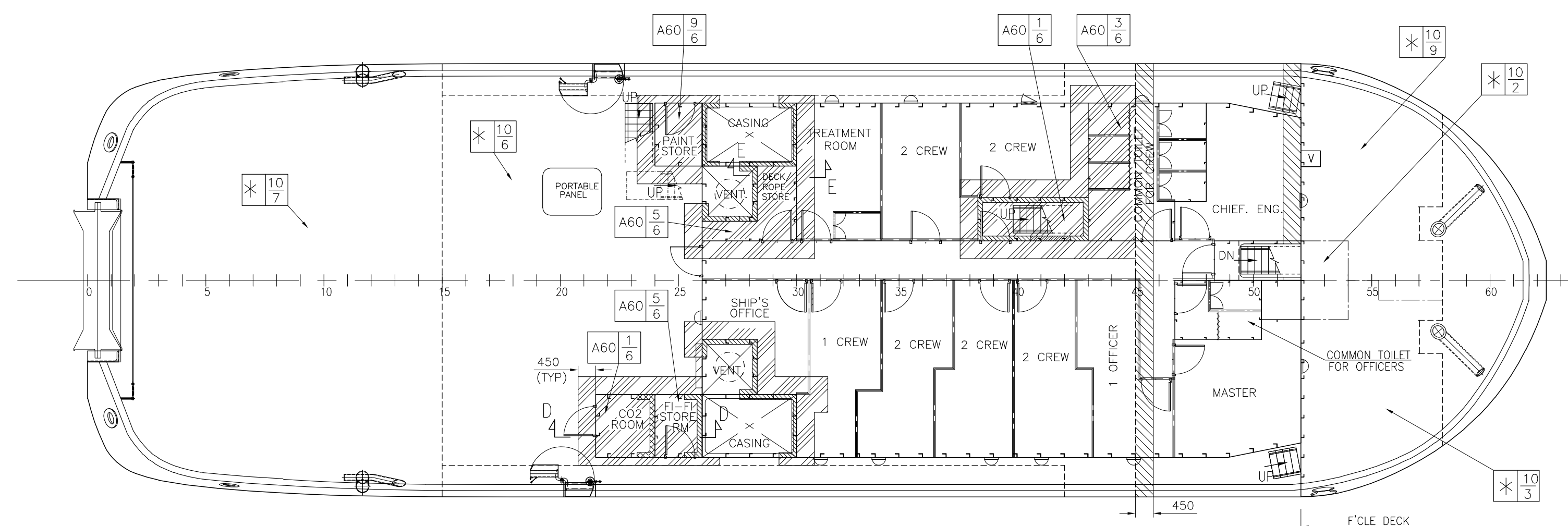
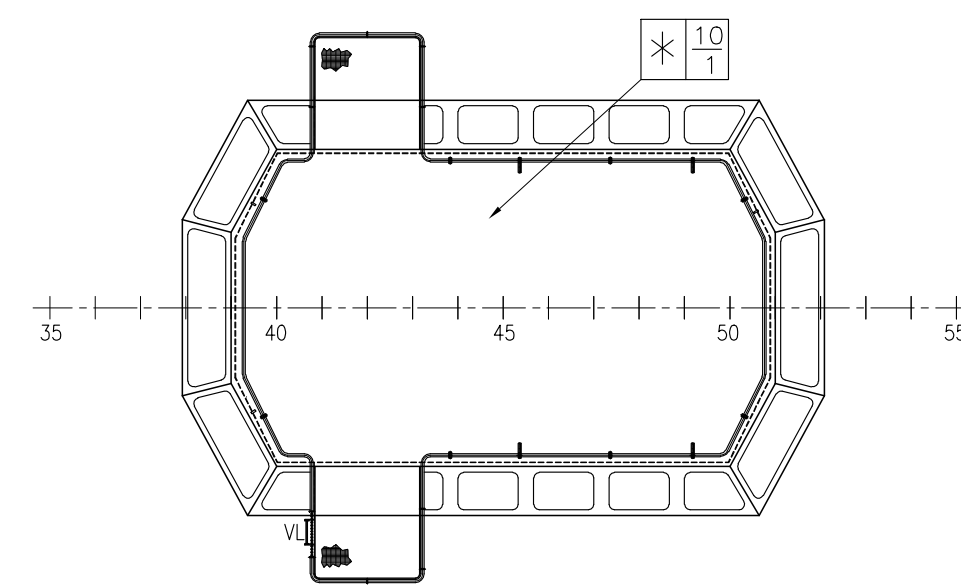
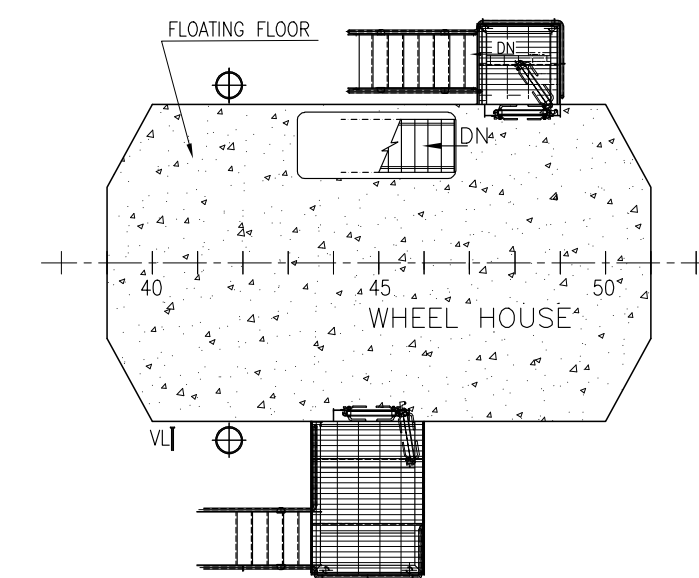
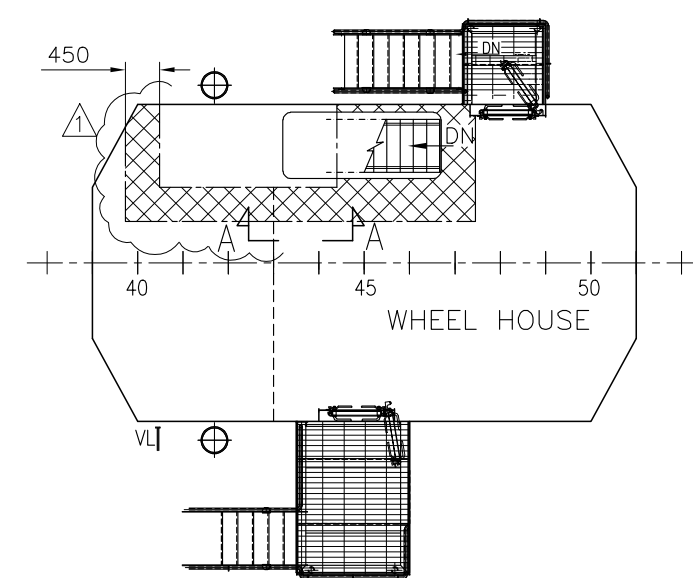
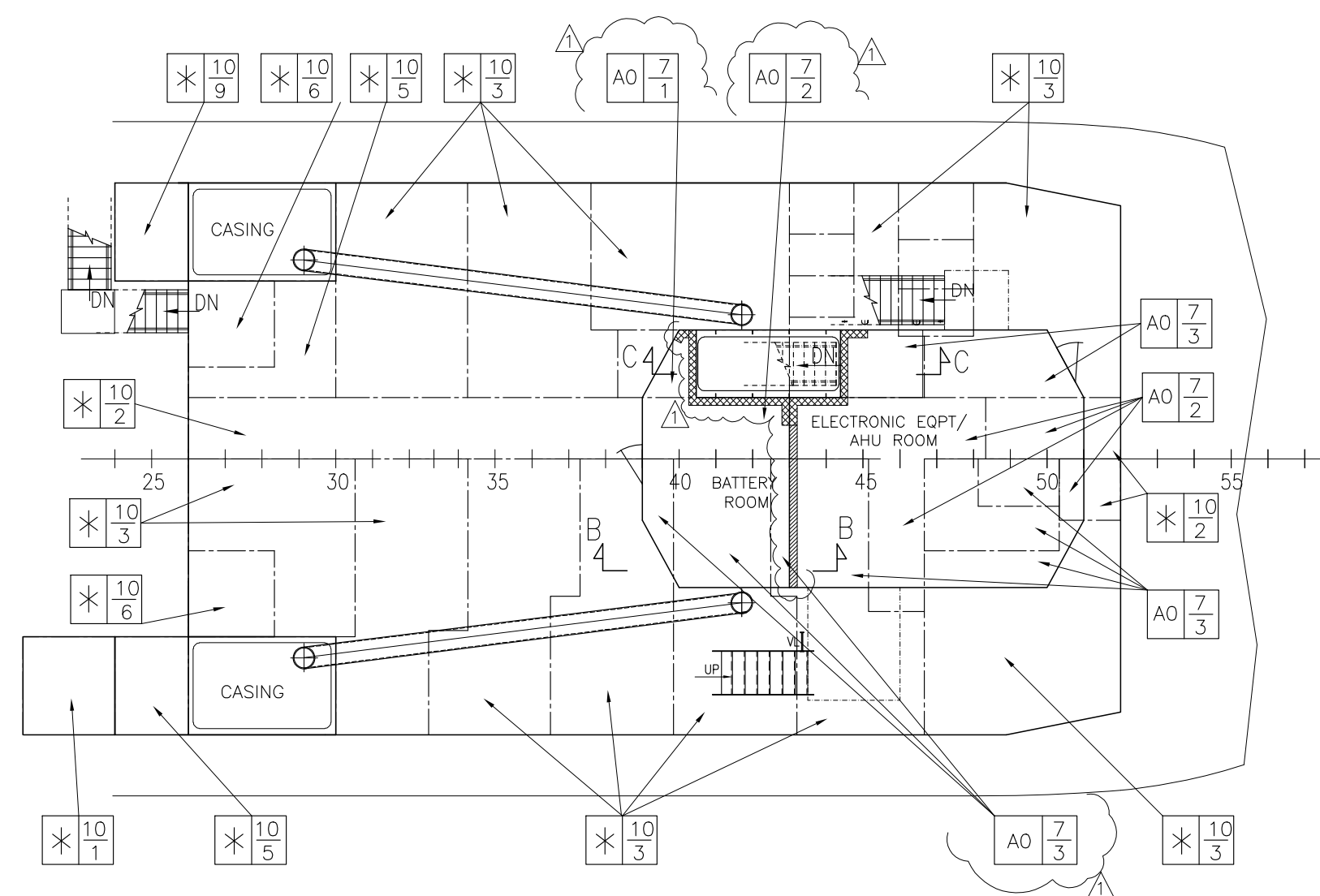
EXTENT OF FLOATING FLOOR -BELOW MAIN DECK






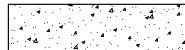
REV	DESCRIPTION OF ALTERATION	DATE	BY	REV	DESCRIPTION OF ALTERATION	DATE	BY
1	REVIEWED BY CLASS (LP02040566, LP02040567, LP02040569, LP02040565) DATED 08 Dec 2022.	20.12.22	Partha				

- ALL STEEL MATERIAL ARE BY GRADE-A UNLESS STATED OTHERWISE.
- YARD IS ADVISED NOT TO FABRICATE UNTIL DWG. IS APPROVED BY CLASS.
- "HOLD" MARK ON DWG. INDICATES CLASS APPROVAL PENDING.

DRAWN : Partha	SCALE : 1 : 100	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD
CHECKED : NAV	CLIENT'S HULL NO. : NB786 & NB787	TITLE : INSULATION & FLOORING / DECK COVERING	NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS.
DATE : 18.10.22	APPROVED BY CLASS DATED : 08.12.2022	BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH	540 SIMS AVENUE #02-04 SIMS AVE CENTRE SINGAPORE 387603 E-mail: NPI@navnautik.com or navnautik@gmail.com
APPROVED BY OWNER DATED :	APPROVED BY OWNER DATED :	OWNER : PAYRA PORT AUTHORITY, BANGLADESH	DRG. NO. : 01/22-H30 (SHT 1 OF 1)
			REV : 1

See comments in VPM



LEGEND	
SYMBOL	DESCRIPTION
 A60 INSULATION-DECK	<div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">A60 INSULATION – DECK HEAD / WALL</div> 50 MM THK. x110 KG/CU.M GLASSWOOL OR EQUIV. TO BE FITTED OVER PLTG. AND ONE LAYER OF 25 MM THK. x 110 KG/CU.M GLASSWOOL ON STIFFENERS FITTED ON TO WELDED PINS & CLIPS. GLASSWOOL SLABS TO BE FACED WITH ALUMINIUM FOIL & SEALED WITH ADHESIVE TAPE. OR EQUIV.
 A60 INSULATION-WALL	<div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">A60 INSULATION – ENGINE ROOM DECK HEAD</div> 50 MM THK. x110 KG/CU.M GLASSWOOL OR EQUIV. TO BE FITTED OVER E.R.M. DECK HEAD PLTG. & ONE LAYER OF 25 MM THK. x 110 KG/CU.M GLASSWOOL ON STIFFENERS FITTED ON TO WELDED PINS, SPACED NOT MORE THAN 300 mm, & CLIPS. GLASSWOOL SLABS TO BE FACED WITH ALUMINIUM FOIL, SEAMS TO BE SEALED WITH SELF ADHESIVE TAPE AND FINALLY COVERED WITH 1.0 mm PERFORATED GALVANISED SHEET.
 A15 INSULATION-DECK	<div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">A15 INSULATION – DECK HEAD / WALL</div> 50 MM THK. x 80 KG/CU.M GLASSWOOL OR EQUIV. TO BE FITTED OVER PLTG. AND ONE LAYER OF 25 MM THK. x 80 KG/CU.M GLASSWOOL ON STIFFENERS FITTED ON TO WELDED PINS & CLIPS. GLASSWOOL SLABS TO BE FACED WITH PERFORATED GALVANISED SHEET. OR EQUIVALENT.
 A15 INSULATION-WALL	
	REQD. TO BE STEEL OR OTHER EQUIV. MATL. BUT IS NOT REQD. TO BE "A" CLASS STANDARD.
	FLOATING FLOOR (INSULATION STANDARD 'A60')

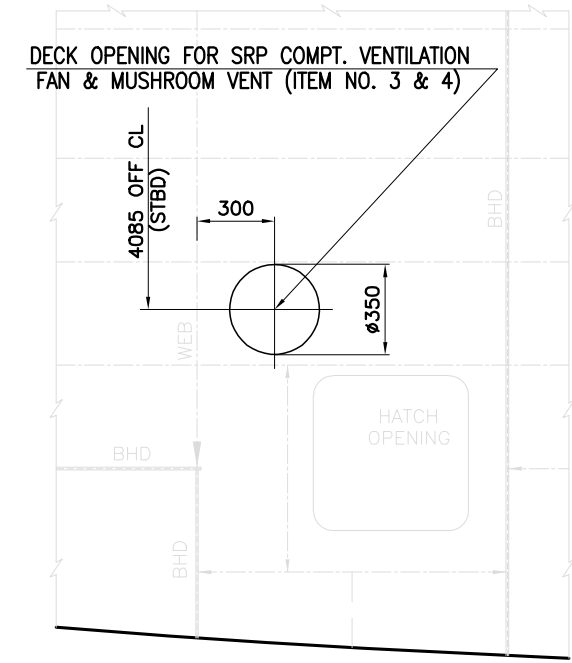
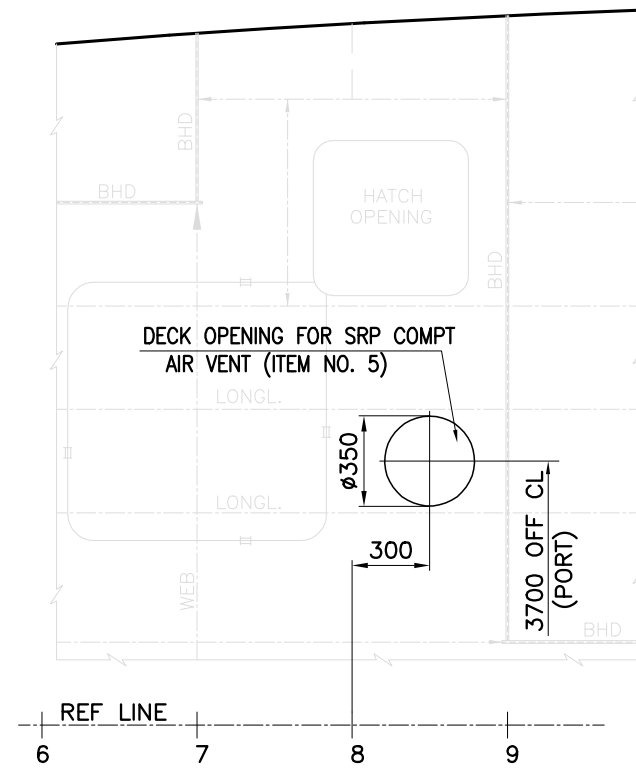
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Drawing for Mechanical Ventilation (ANNEX- C)



1. GENERAL ARRANGEMENT	DWG. NO. 01/22-D01	
2. HOUSES ON MAIN DECK	DWG. NO. 01/22-H14	
3. VENTILATION FAN DETAILS (AXIAL FLOW FAN FOR MARINE USE)	ENGINE ROOM SUPPLY FAN ENGINE ROOM EXHAUST FAN	TYPE : CZF-95A
4. ELECTRIC DRIVE FIRE DAMPER DN950	TYPE : YSCF-D-DN950	

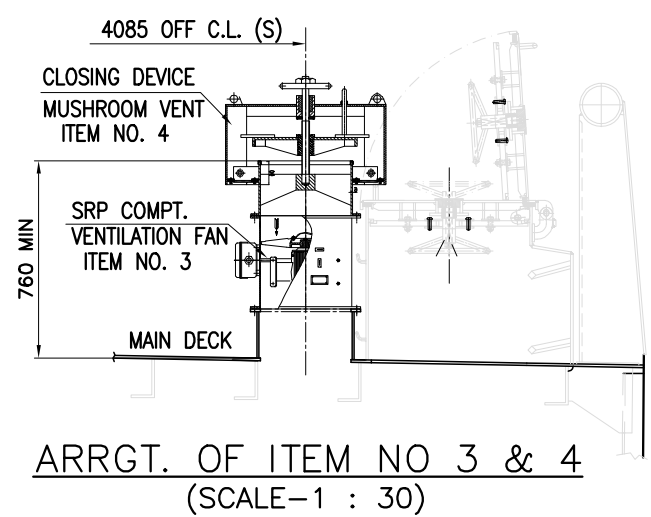
				DRAWN : Partha	SCALE : 1 : 25	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS. 540 SIMS AVENUE TEL: +65 67417220 #02-04 SIMS AVE CENTRE FAX: +65 67417219 SINGAPORE 387603 E-mail: NPL@navnautik.com or navnautik@gmail.com	
				CHECKED : NAV	CLIENT'S HULL NO. : NB786 & NB787	TITLE : ENGINE ROOM VENT FAN FOUNDATION		
				DATE : 30.08.23		BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH		
△	DWG. MODIFIED AS PER NEW VENDOR INFORMATION	06.05.24	garai	APPROVED BY CLASS DATED :		OWNER : PAYRA PORT AUTHORITY, BANGLADESH	DRG. NO. : 01/22-H53 (SHT 1 OF 1)	REV: 1
REV	DESCRIPTION OF ALTERATION	DATE	BY	APPROVED BY OWNER DATED :				



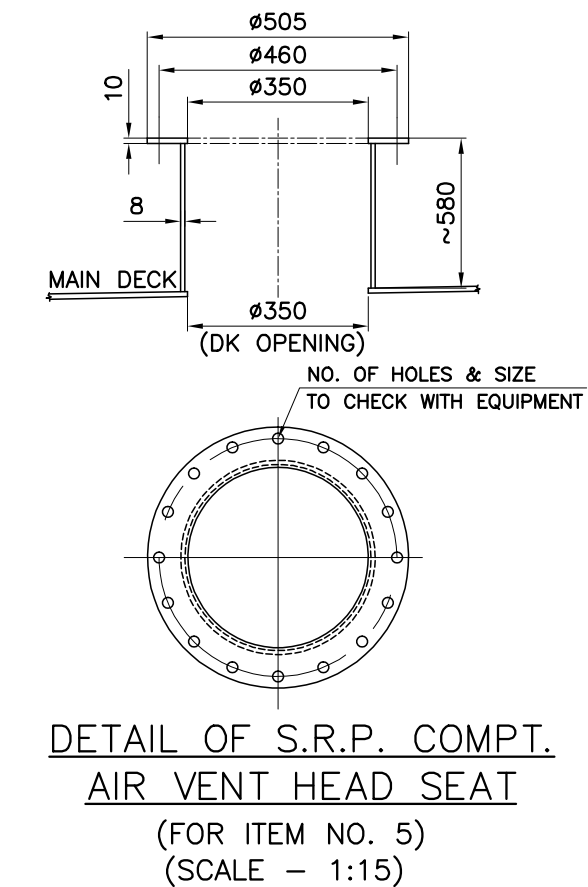
LOCATION OF MAIN DECK OPENING
(SCALE-1 : 30)

NOTES :-

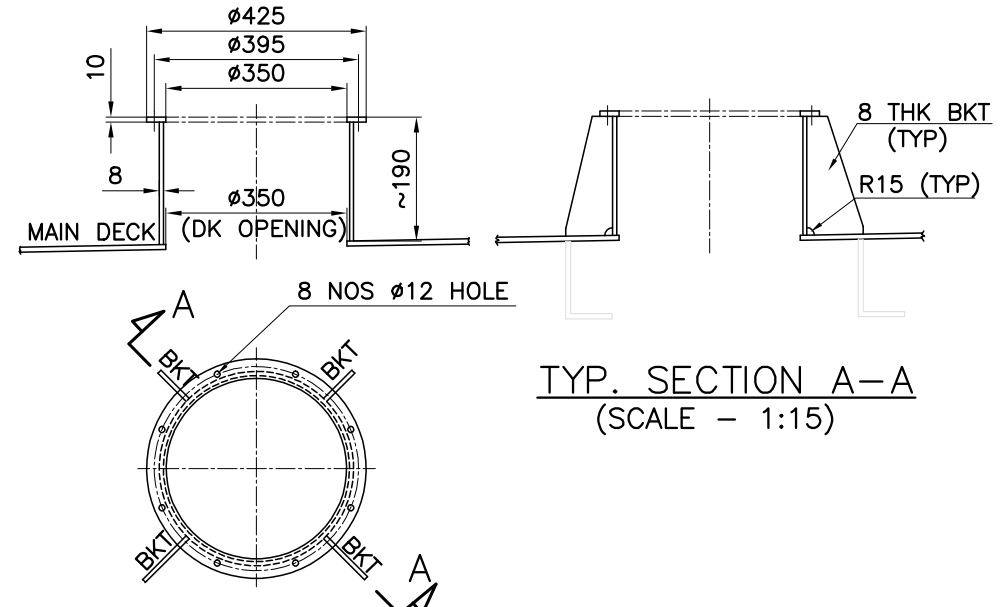
1. BEFORE FABRICATING FOUNDATION, YARD IS ADVISED TO CROSS-CHECK DRAWING NO. AND REVISION NO. OF VENDOR'S CONFIRMED/BINDING DRAWING WITH THE DETAILS STATED ON FOUNDATION DRAWING. CORRECTIVE MEASURES TO BE TAKEN FOR ANY DEVIATION.
2. BOLTING HOLES POSITION ON SEAT TO MATCH VENDOR'S FOOTPRINT.
3. THE TOP OF THE SEAT/SUPPORT IS TO BE KEPT PARALLEL TO THE BASE LINE.



ARRGT. OF ITEM NO 3 & 4
(SCALE-1 : 30)

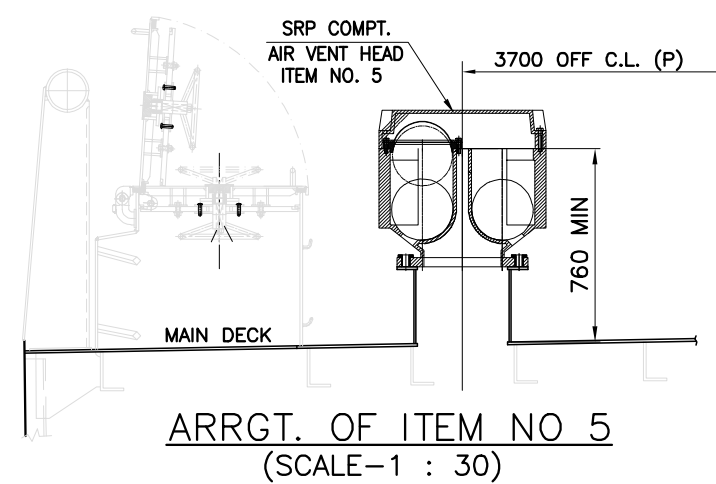


DETAIL OF S.R.P. COMPT. AIR VENT HEAD SEAT
(FOR ITEM NO. 5)
(SCALE - 1:15)



TYP. SECTION A-A
(SCALE - 1:15)

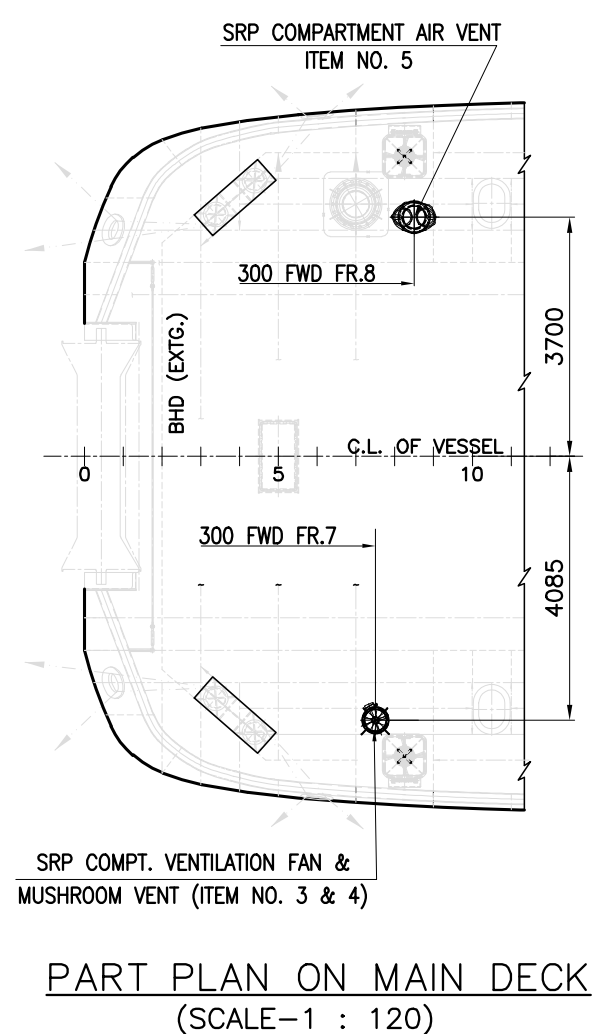
DETAIL OF S.R.P. COMPT. SUPPLY FAN SEAT
(FOR ITEM NO. 3 & 4)
(SCALE - 1:15)



ARRGT. OF ITEM NO 5
(SCALE-1 : 30)

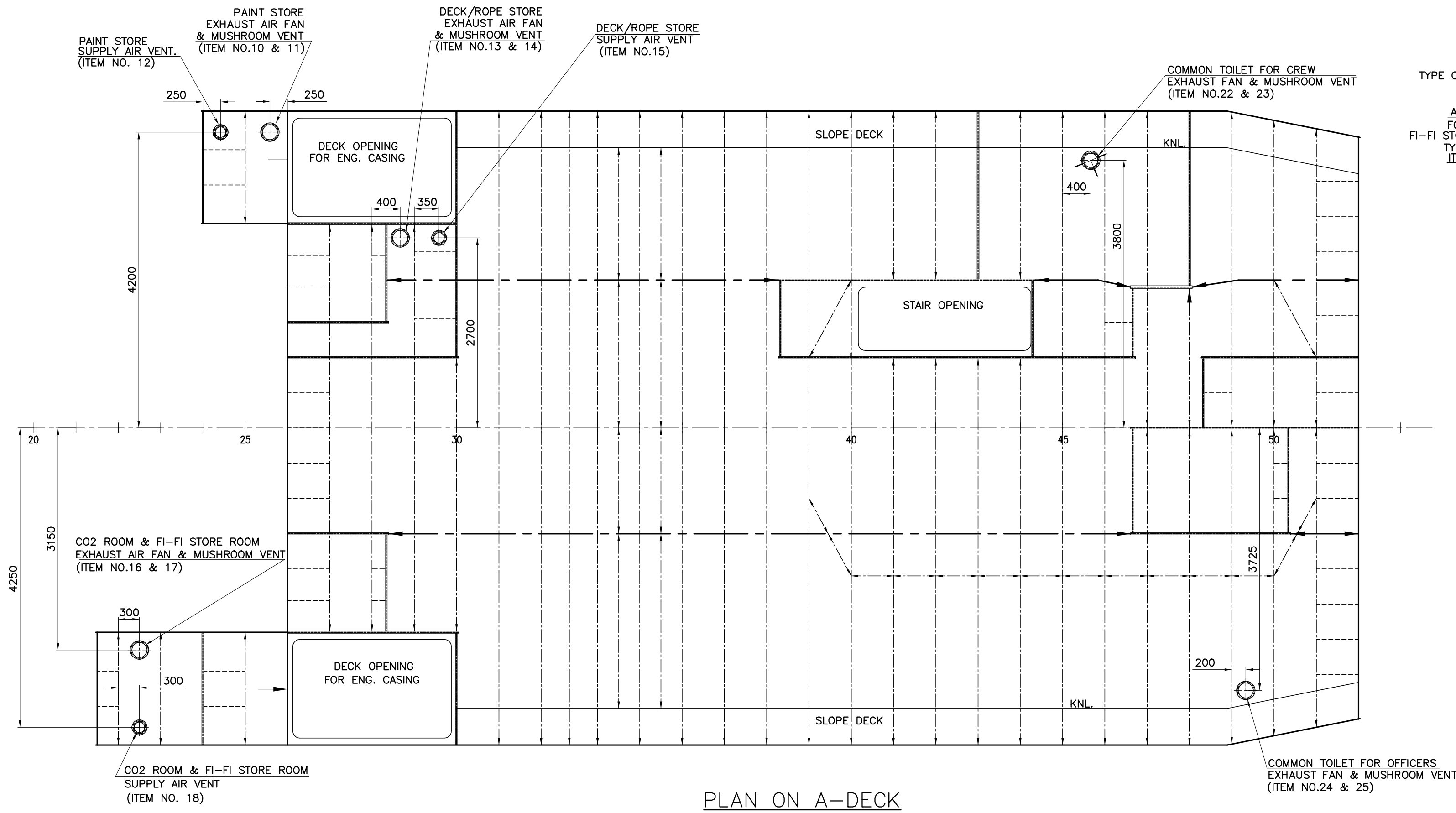
REF. DWG:-

- | | |
|--|---|
| 1. GENERAL ARRANGEMENT | DWG. NO. 01/22-D01 |
| 2. HULL CONSTRUCTION-BLOCK 5 | DWG. NO. 01/22-H255 |
| 3. VENTILATION FAN DETAILS (AXIAL FLOW FAN FOR MARINE USE) | S.R.P. COMPARTMENT VENTILATION FAN TYPE : CZF-35B
S.R.P COMPARTMENT CLOSING DEVICE MUSHROOM VENT TYPE : C-350, CB/T295-2000
S.R.P. COMPARTMENT AIR VENT HEAD TYPE : TFM-350 |

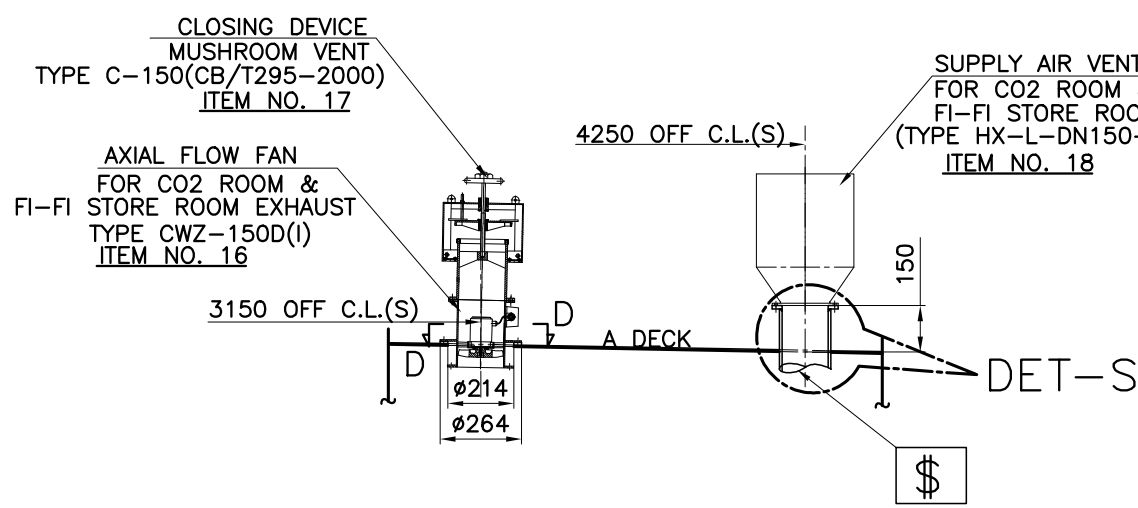


PART PLAN ON MAIN DECK
(SCALE-1 : 120)

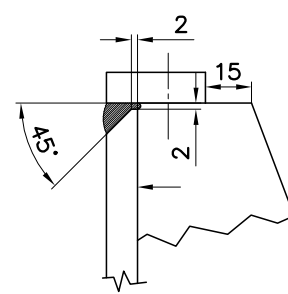
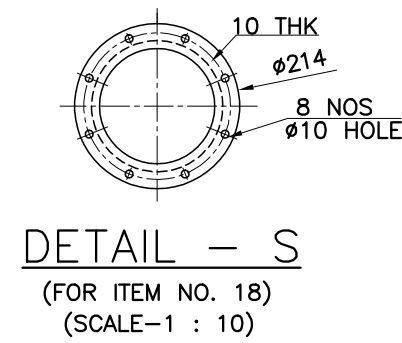
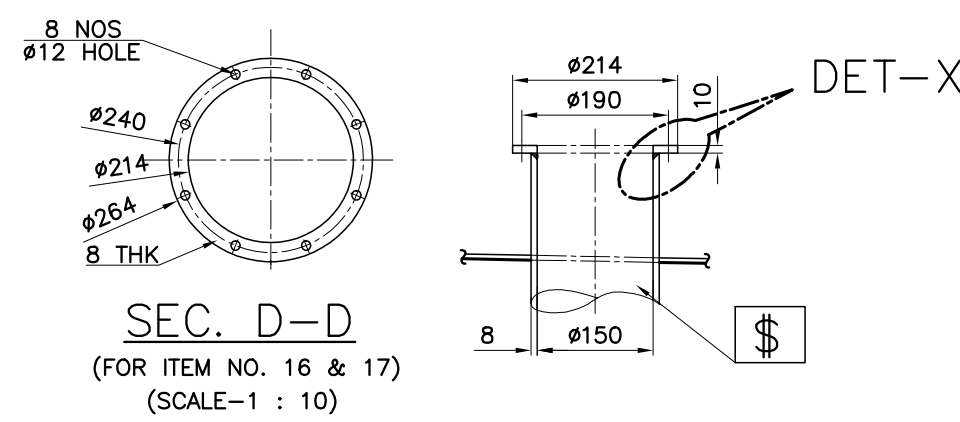
	DRAWN : garai	SCALE : 1 : 30	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS. 540 SIMS AVENUE #02-04 SIMS AVE CENTRE SINGAPORE 387603 E-mail: NPL@navnautik.com or navnautik@gmail.com
	CHECKED : NAV	CLIENT'S HULL NO. : NB786 & NB787		
	DATE : 10.06.2024			
	APPROVED BY CLASS DATED :			
	APPROVED BY OWNER DATED :			
			TITLE : SRP COMPT. VENT FAN & MUSHROOM VENT FND.	DRG. NO. : 01/22-H96 (SHT 1 OF 1)
			BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH	
			OWNER : PAYRA PORT AUTHORITY, BANGLADESH	
				REV: 0



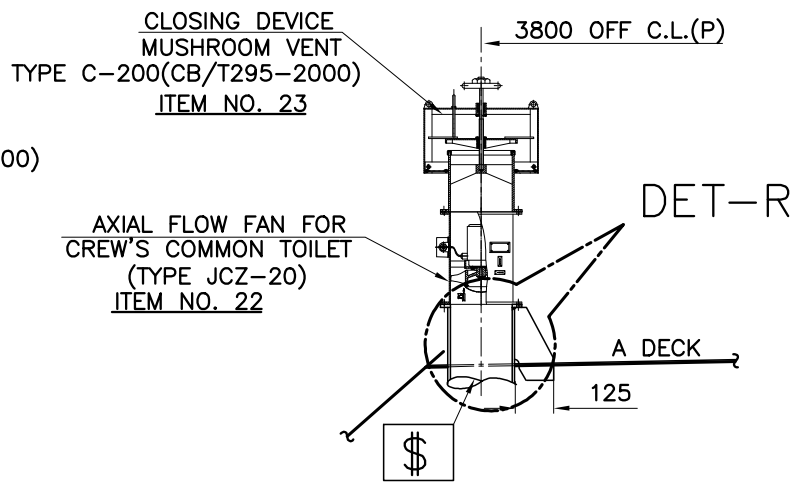
PLAN ON A-DECK



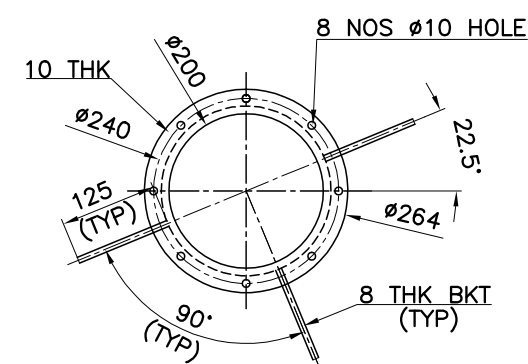
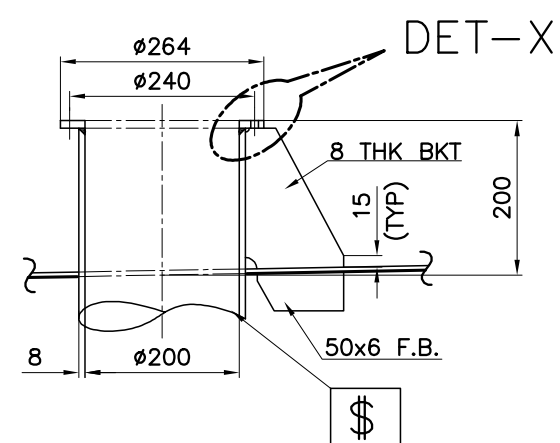
SEC. AT FR.22+300
(LOOKING FWD.)



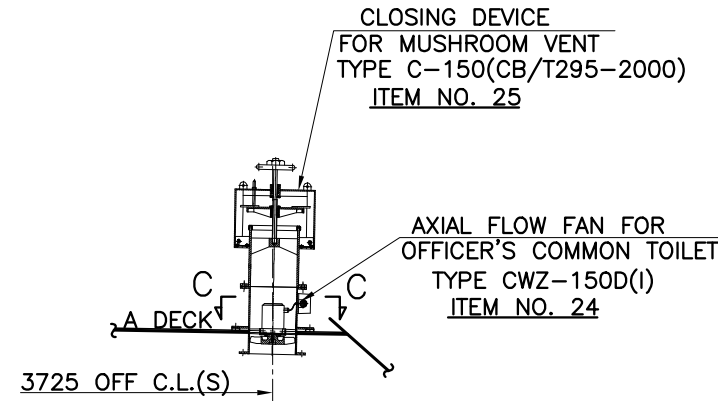
TYPICAL
DETAIL-X
(SCALE-1 : 2.5)



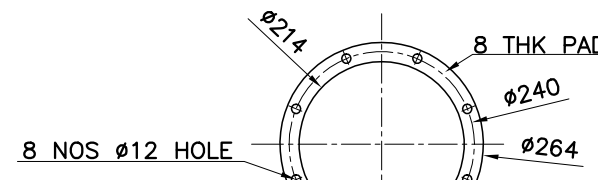
SEC. AT FR.45+400
(LOOKING FWD.)



DETAIL - R
(FOR ITEM NO. 22 & 23)
(SCALE-1 : 10)



SEC. AT FR.49+200
(LOOKING FWD.)



SEC. C-C
(FOR ITEM NO. 24 & 25)
(SCALE-1 : 10)

LEGEND

\$ = UNDER DECK CONNECTION TO BE DECIDED BY DUCTING VENDOR.

NOTES :-

- BEFORE FABRICATING FOUNDATION, YARD IS ADVISED TO CROSS-CHECK DRAWING NO. AND REVISION NO. OF VENDOR'S CONFIRMED/BINDING DRAWING WITH THE DETAILS STATED ON FOUNDATION DRAWING. CORRECTIVE MEASURES TO BE TAKEN FOR ANY DEVIATION.
- BOLTING HOLES POSITION ON SEAT TO MATCH VENDOR'S FOOTPRINT.
- THE TOP OF THE SEAT/SUPPORT IS TO BE KEPT PARALLEL TO THE BASE LINE.

REF. DWG: -

- GENERAL ARRANGEMENT
- HOUSES ON MAIN DECK
- VENTILATION FAN DETAILS (AXIAL FLOW FAN FOR MARINE USE)

DWG. NO. 01/22-D01

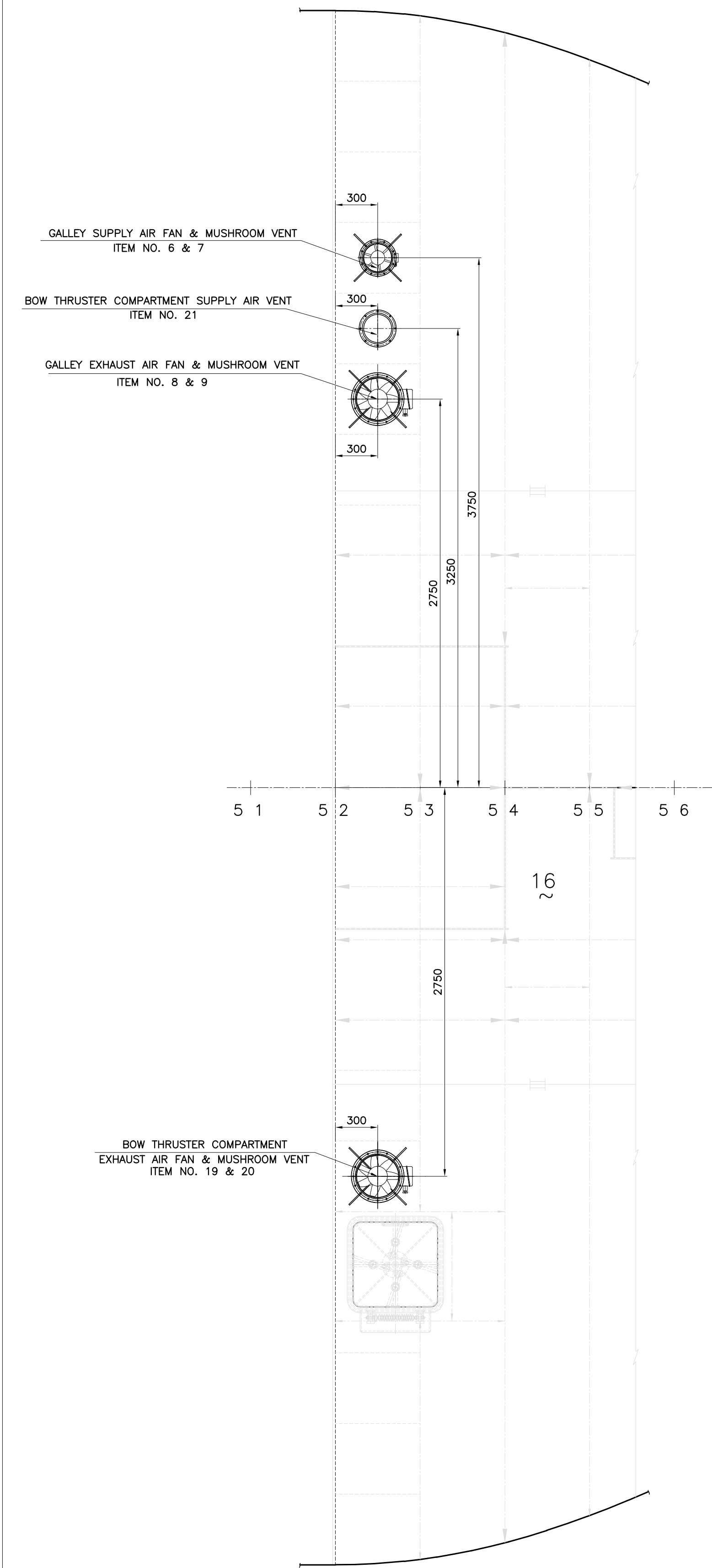
DWG. NO. 01/22-H14

PAINT STORE VENTILATION FAN TYPE : CWZ-150D(I)
MUSHROOM VENT (PAINT STORE) TYPE : C-150, CB/T295-2000
SUPPLY AIR VENT (PAINT STORE) TYPE : HX-L-DN50-250-00
DECK/ROPE STORE VENTILATION FAN TYPE : CWZ-150D(I)
MUSHROOM VENT (DECK/ROPE STORE) TYPE : C-150, CB/T295-2000
SUPPLY AIR VENT (DECK/ROPE STORE) TYPE : HX-L-DN50-250-00
CO2 RM & FIFI STORE VENTILATION FAN TYPE : CWZ-150D(I)
MUSHROOM VENT (CO2 RM & FIFI STORE) TYPE : C-150, CB/T295-2000
SUPPLY AIR VENT (CO2 RM & FIFI STORE) TYPE : HX-L-DN50-250-00
COMMON TOILET FOR CREW VENTILATION FAN TYPE : JCZ-20
MUSHROOM VENT (COMMON TOILET FOR CREW) TYPE : C-200, CB/T295-2000
COMMON TOILET FOR OFFICER VENTILATION FAN TYPE : CWZ-150D(I)
MUSHROOM VENT (COMMON TOILET FOR OFFICER) TYPE : C-150, CB/T295-2000

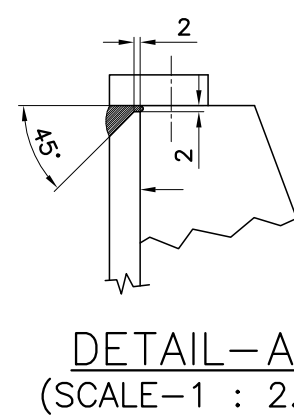
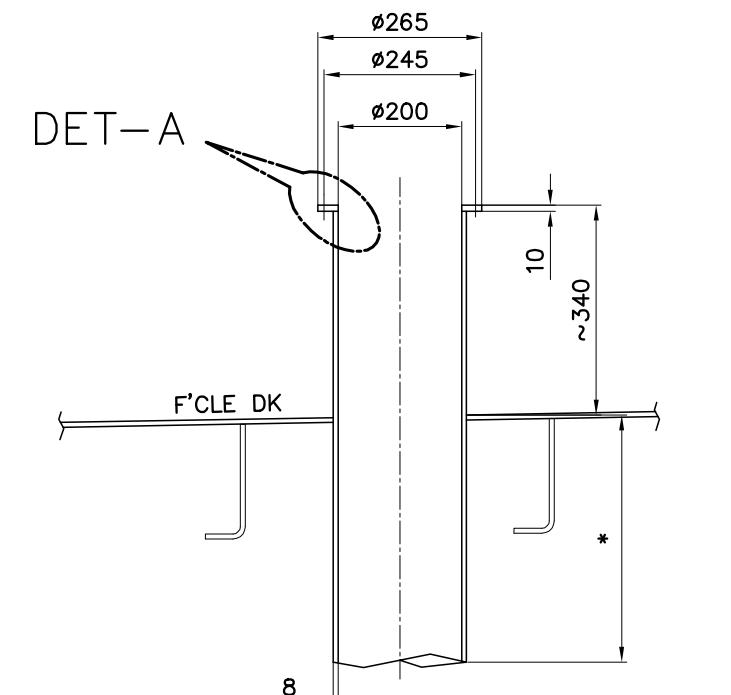
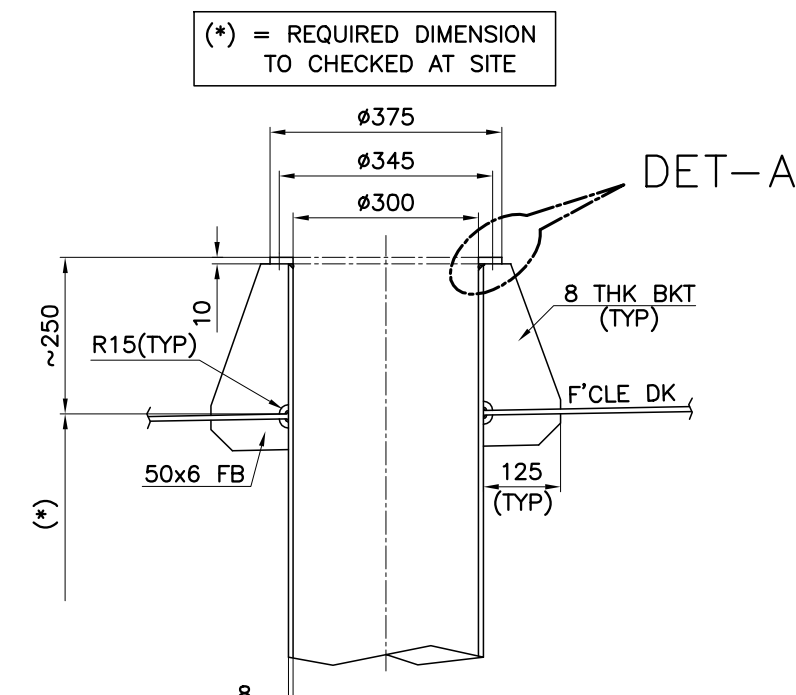
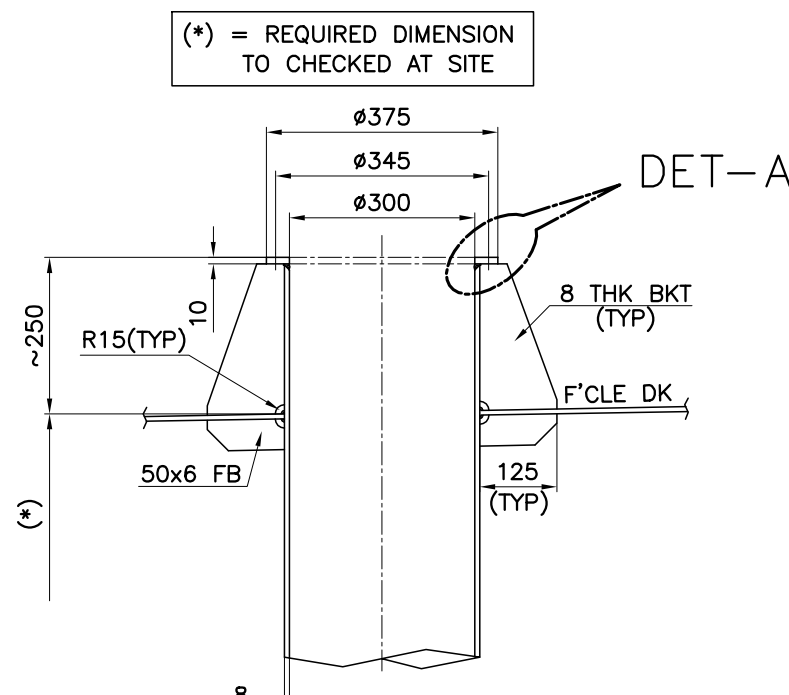
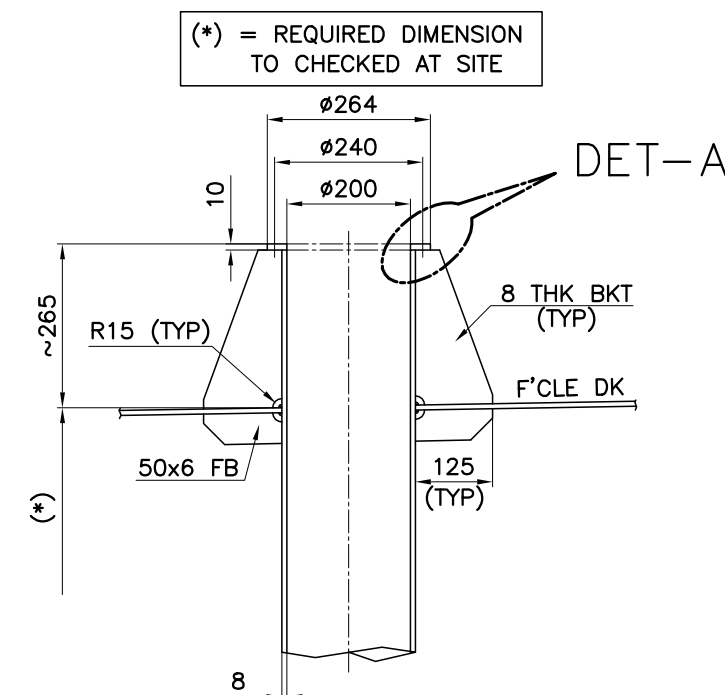
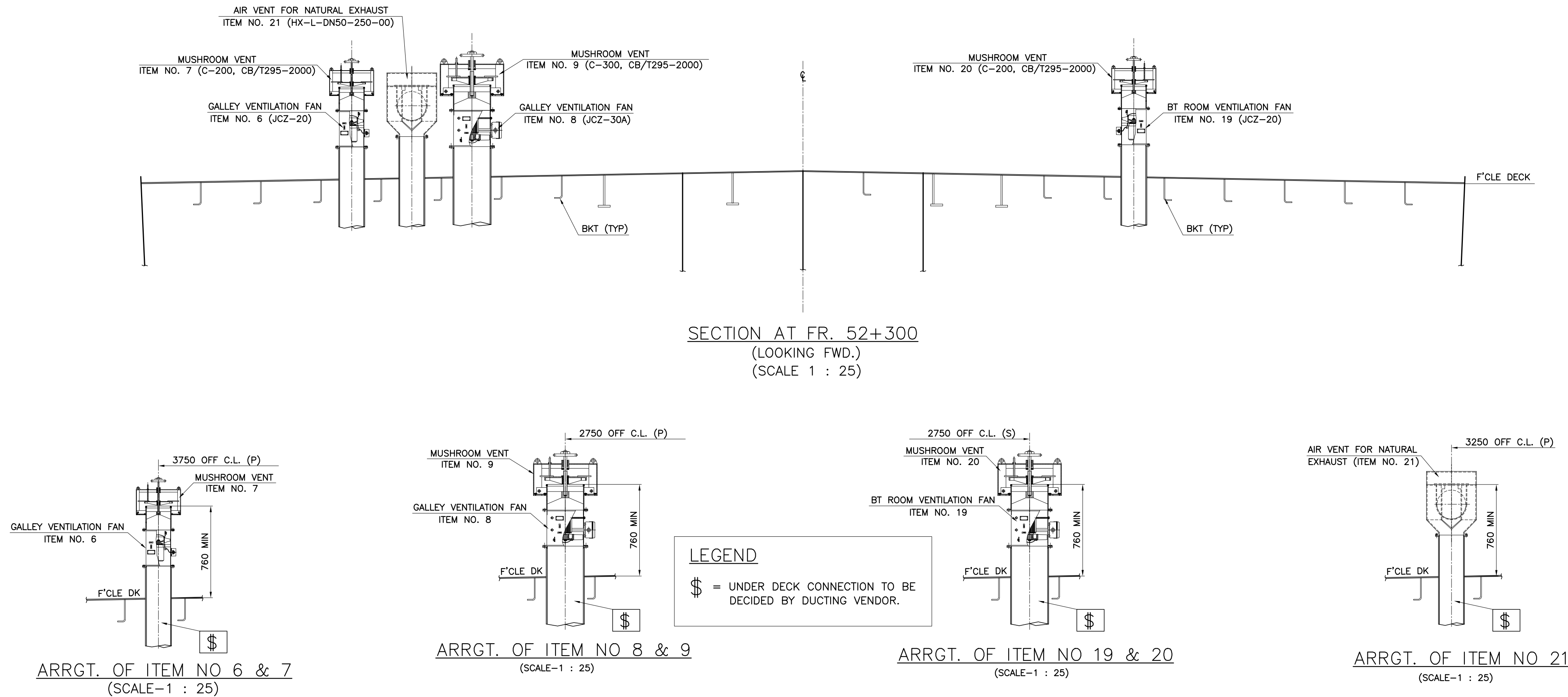
REV	DESCRIPTION OF ALTERATION	DATE	BY	REV	DESCRIPTION OF ALTERATION	DATE	BY

- ALL STEEL MATERIAL ARE BV GRADE-A UNLESS STATED OTHERWISE.
- YARD IS ADVISED NOT TO FABRICATE UNTIL DWG. IS APPROVED BY CLASS.
- "HOLD" MARK ON DWG. INDICATES CLASS APPROVAL PENDING.

DRAWN : Partha	SCALE : 1 : 25	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD
CHECKED : NAV	CLIENT'S HULL NO. : N8786 & N8787	TITLE : VENT FAN FOUNDATION ON 'A' DECK	NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS.
DATE : 10.06.24		BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH	540 SMS AVENUE TEL: +65 67417220
APPROVED BY CLASS DATED :		OWNER : PAYRA PORT AUTHORITY, BANGLADESH	#02-04 SMS AVE CENTRE FAX: +65 67417219
APPROVED BY OWNER DATED :			SINGAPORE 387603
			E-mail: NPL@navnautik.com or navnautik@gmail.com
			DRG. NO. : 01/22-H97 (SHT 1 OF 1)
			REV : 0



PART PLAN ON FORECASTLE DECK
(SCALE 1 : 25)



NOTES :-

- BEFORE FABRICATING FOUNDATION, YARD IS ADVISED TO CROSS-CHECK DRAWING NO. AND REVISION NO. OF VENDOR'S CONFIRMED/BINDING DRAWING WITH THE DETAILS STATED ON FOUNDATION DRAWING. CORRECTIVE MEASURES TO BE TAKEN FOR ANY DEVIATION.
- BOLTING HOLES POSITION ON SEAT TO MATCH VENDOR'S FOOTPRINT.
- THE TOP OF THE SEAT/SUPPORT IS TO BE KEPT PARALLEL TO THE BASE LINE.

REF. DWG:-

- GENERAL ARRANGEMENT
- HULL CONSTRUCTION - BLOCK 1
- VENTILATION FAN DETAILS (AXIAL FLOW FAN FOR MARINE USE)

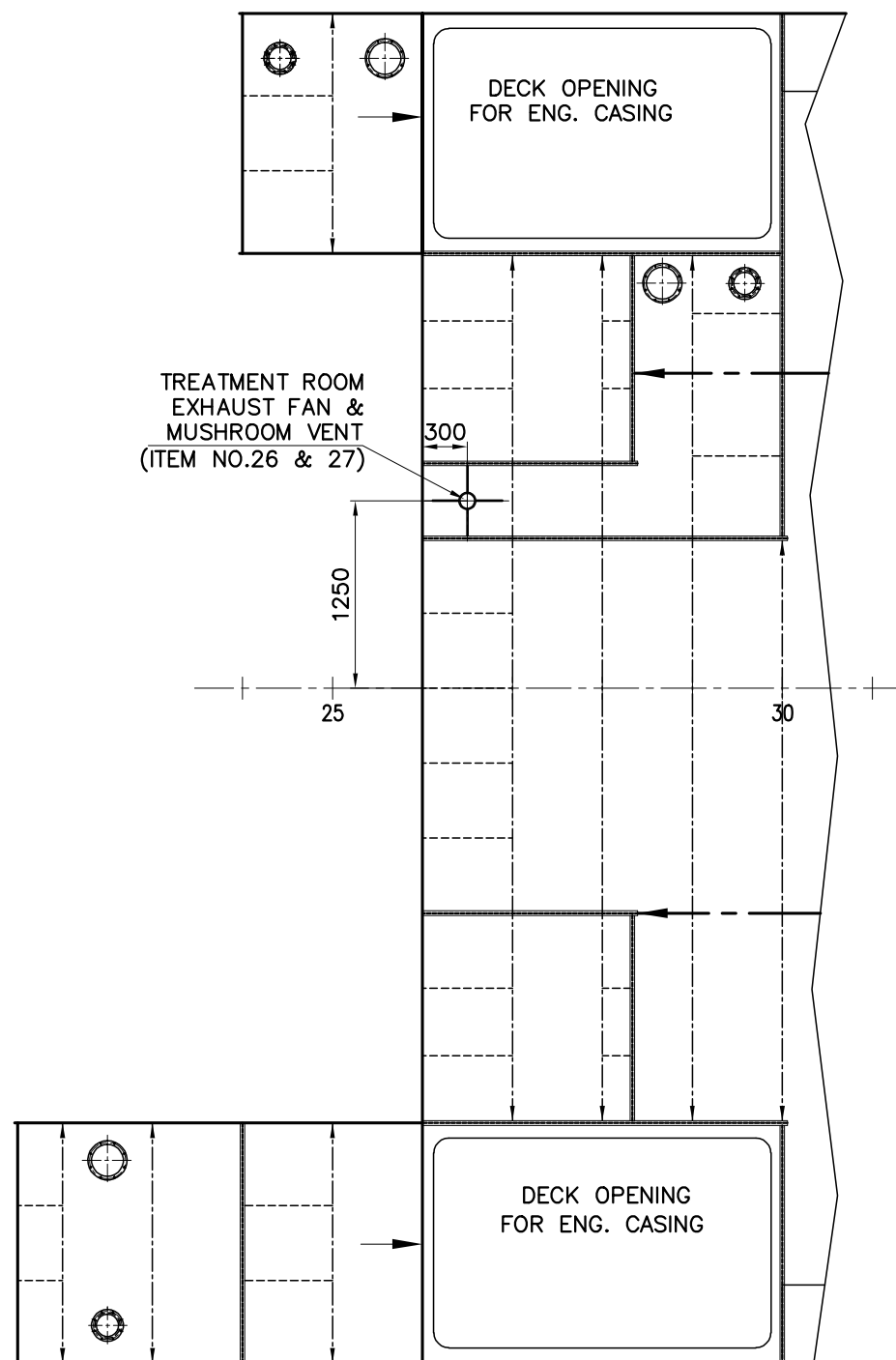
DWG. NO. 01/22-D01
DWG. NO. 01/22-H251
GALLEY VENTILATION FAN TYPE : JCZ-20 & JCZ-30A
MUSHROOM VENT (GALLEY) TYPE : C-200, CB/T295-2000 & C-300, CB/T295-2000
BOW THRUSTER ROOM VENTILATION FAN TYPE : JCZ-30A
MUSHROOM VENT (BT ROOM) TYPE : C-300, CB/T295-2000
AIR VENT FOR NATURAL EXHAUST (BT ROOM) TYPE : HX-L-DN50-250-00

REV	DESCRIPTION OF ALTERATION	DATE	BY	REV	DESCRIPTION OF ALTERATION	DATE	BY

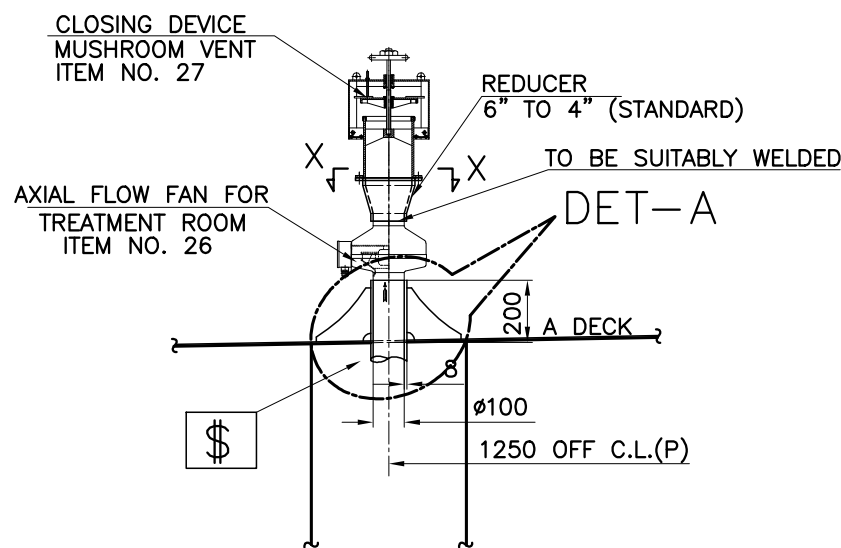
- ALL STEEL MATERIAL ARE BV GRADE-A UNLESS STATED OTHERWISE.
- YARD IS ADVISED NOT TO FABRICATE UNTIL DWG. IS APPROVED BY CLASS.
- "HOLD" MARK ON DWG. INDICATES CLASS APPROVAL PENDING.

DRAWN : garal	SCALE : 1 : 25	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD
CHECKED : NAV	CLIENT'S HULL NO. : N8786 & N8787	TITLE : GALLEY & BOW THRUSTER ROOM VENT FAN & MUSHROOM VENT FOUNDATION	NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS.
DATE : 10.06.2024	APPROVED BY CLASS DATED :	BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH	540 SMS AVENUE #02-04 SMS AVE CENTRE SINGAPORE 387603 E-mail: NPL@navnautik.com or navnautik@gmail.com
APPROVED BY OWNER DATED :	OWNER : PAYRA PORT AUTHORITY, BANGLADESH	DRG. NO. : 01/22-H98 (SHT 1 OF 1)	TEL: +65 67417220 FAX: +65 67417219

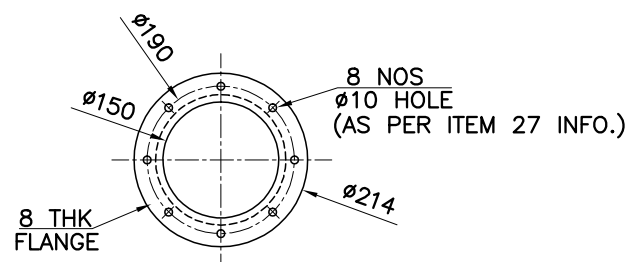
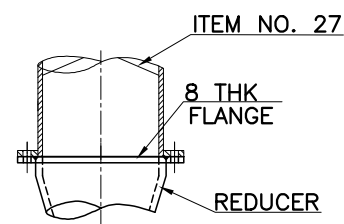
REV :0



PART PLAN ON A-DECK



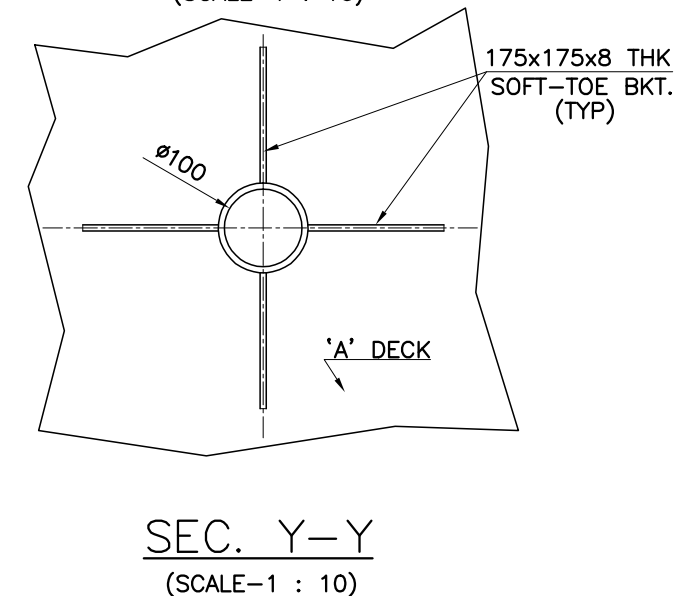
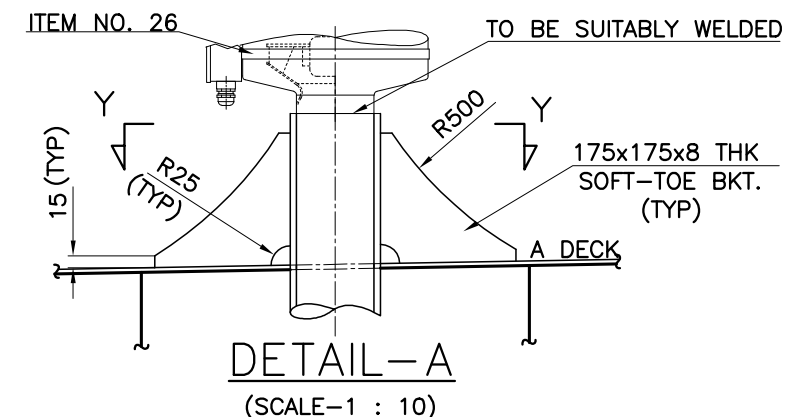
SEC. AT FR.26+300
(LOOKING FWD.)



SEC. X-X
(FOR ITEM NO. 26 & 27)
(SCALE-1 : 10)

LEGEND

\$ = UNDER DECK CONNECTION TO BE DECIDED BY DUCTING VENDOR.



NOTES : -

1. BEFORE FABRICATING FOUNDATION, YARD IS ADVISED TO CROSS-CHECK DRAWING NO. AND REVISION NO. OF VENDOR'S CONFIRMED/BINDING DRAWING WITH THE DETAILS STATED ON FOUNDATION DRAWING. CORRECTIVE MEASURES TO BE TAKEN FOR ANY DEVIATION.
2. BOLTING HOLES POSITION ON SEAT TO MATCH VENDOR'S FOOTPRINT.
3. THE TOP OF THE SEAT/SUPPORT IS TO BE KEPT PARALLEL TO THE BASE LINE.

REF. DWG: -

1. GENERAL ARRANGEMENT
2. HOUSES ON MAIN DECK
3. VENTILATION FAN DETAILS (AXIAL FLOW FAN FOR MARINE USE)

DWG. NO. 01/22-D01
DWG. NO. 01/22-H14
TREATMENT ROOM TOILET VENTILATION FAN
TYPE : EK100M
MUSHROOM VENT (TREATMENT ROOM)
TYPE : C-150, CB/T295-2000

	DRAWN : Partha	SCALE : 1 : 25	PROJECT : 70T BOLLARD PULL TUG	DESIGNER : NAVNAUTIK PTE LTD NAVAL ARCHITECTS, MARINE ENGINEERS & MARINE SURVEYORS. 540 SIMS AVENUE TEL: +65 67417220 #02-04 SIMS AVE CENTRE FAX: +65 67417219 SINGAPORE 387603 E-mail: NPL@navnautik.com or navnautik@gmail.com	
	CHECKED : NAV	CLIENT'S HULL NO. : NB786 & NB787	TITLE : TREATMENT ROOM EXHAUST FAN FOUNDATION		
	DATE : 18.06.24		BUILDER : KHULNA SHIPYARD LIMITED, BANGLADESH		
	APPROVED BY CLASS DATED :		OWNER : PAYRA PORT AUTHORITY, BANGLADESH	DRG. NO. : 01/22-H99 (SHT 1 OF 1)	REV: 0
	APPROVED BY OWNER DATED :				