



MAT/S37/008/23-24

18th Nov 2023

CORRIGENDUM NO. 2 DATED 18 NOV 2023

TENDER FOR ACCOMMODATION PACKAGE FOR SHIP 037
(MAT/S37/008/23-24)

Dear Sirs,

Ref:

- Tender No. MAT/S37/008/23-24 dt. 17th Oct 2023 for Accommodation Package for Ship 037.
- Corrigendum No.1 dated 10th Nov 2023

I) Refer to Annexure 4 Rev A of PTS N30370251000010 and note that Equivalent Indian make is indicated for Sl. no. 1, 4, 5, 6, 7, 8, 9, 10, 11, 12. The respective equivalent Indian make should meet all vessel requirements (including class/ Flag requirements). Equivalent Indian makes, if any for the above items (Sl. no. 1, 4, 5, 6, 7, 8, 9, 10, 11, 12) which the firm intends to offer shall be submitted by the firm to the CSL before offer submission with in **23rd November 2023** for Owner & CSL review/approval. During review/ approval, if required, firm shall submit the necessary documentation in timely manner. Once approved, firm can only offer from these approved equivalent Indian makes & other makes indicated against the respective item in Annexure 4 Rev A of PTS N30370251000010 meeting the vessel requirements indicated in PTS N30370251000010 & its Annexures including class/ Flag requirements.

II) Tender due date has been extended from 20 Nov 2023 to 30 Nov 2023 as below:

Last date of submission of offers : 30 Nov 2023 at 11:00 AM IST
(Techno commercial bids including price bid)

Tender opening date and time : 30 Nov 2023 at 11:30 AM, IST
(Part I of the offer only)

III) Except the above, all other terms and conditions of the tender enquiry will remain unchanged.

Yours faithfully,

Asst. General Manager (Materials)

NITHA K

वरिष्ठ प्रबंधक

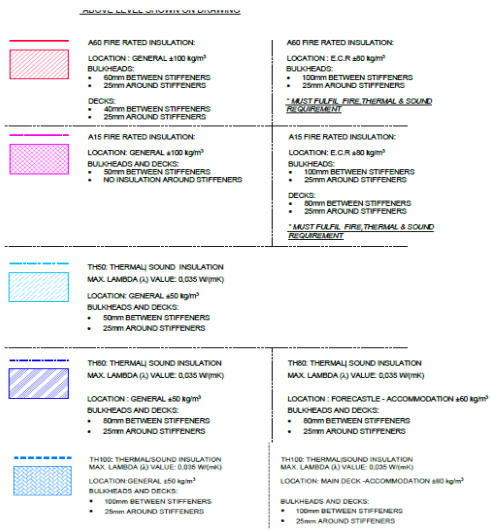
Senior Manager

कोचीन शिपयार्ड लि.

Cochin Shipyard Ltd

Kochi - 15

ADDITIONAL CLARIFICATIONS FOR ACCOMMODATION PACKAGE OF SHIP 037
(TENDER Notice : MAT/S37/008/23-24 dated 17th October 2023)
These clarifications are in addition to clarifications issues in Corrigendum 1

SL NO	Firm Queries/ PTS clause	Clarifications	Firm Compliance
1	Refer to Annexure 4 Maker list of PTS N30370251000010	Annexure 4 of PTS N30370251000010 is revised with Annexure 4 Rev A provided along with the these clarifications and same is to be considered for the submission of offer. Refer to Annexure 4 Rev A of PTS N30370251000010 and note that Equivalent indian make is indicated for sl. no. 1, 4, 5, 6, 7, 8, 9, 10, 11, 12. The respective equivalent Indian make should meet all vessel requirements (including class/ Flag requirements). Equivalent Indian makes, if any for the above items (Sl. no. 1, 4, 5, 6, 7, 8, 9, 10, 11, 12) which the firm intends to offer shall be submitted by the firm to the CSL before offer submission with in 23rd November 2023 for Owner & CSL review/approval. During review/ approval, if required, firm shall submit the necessary documentation in timely manner. Once approved, firm can only offer from these approved equivalent Indian makes & other makes indicated against the respective item in Annexure 4 Rev A of PTS N30370251000010 meeting the vessel requirements indicated in PTS N30370251000010 & its Annexures including class/ Flag requirements.	
2	Refer to Annexure 15.5 Water sealed scuppers standards of PTS N30370251000010	Annexure 15.5 of PTS N30370251000010 is revised with Annexure 15.5 Rev A provided along with the these clarifications and same is to be considered for the submission of offer.	
3	Refer to Annexure 15.2 Rev A of PTS N30370251000010 and also SL. 12 of CSL clarifications issues in corrigendum 1.	Connections between scupper and steel/PVC-U shall be as per Annexure 15.5 Rev A of PTS N30370251000010. Flanged connections are not allowed in this line, necessary couplings shall be provided by the firm to connect the steel piping with PVC-U pipe for the lines indicated in Annexure 15.2 Rev A of PTS N30370251000010.	
	<p>Refer to insulation plan Annexure 11.2 of tender. As per the plan, Most of the products are required in different densities as mentioned in below Snapshot.</p>  <p>600 FIRE RATED INSULATION: LOCATION: GENERAL $\pm 100 \text{ kg/m}^3$ BULKHEADS: • 50mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS DECKS: • 40mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS</p> <p>A60 FIRE RATED INSULATION: LOCATION: E.C.R. $\pm 80 \text{ kg/m}^3$ BULKHEADS: • 100mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS * MUST FULFIL FIRE THERMAL & SOUND REQUIREMENT</p> <p>A15 FIRE RATED INSULATION: LOCATION: GENERAL $\pm 100 \text{ kg/m}^3$ BULKHEADS AND DECKS: • 50mm BETWEEN STIFFENERS • NO INSULATION AROUND STIFFENERS</p> <p>A15 FIRE RATED INSULATION: LOCATION: E.C.R. $\pm 80 \text{ kg/m}^3$ BULKHEADS: • 100mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS DECKS: • 80mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS * MUST FULFIL FIRE THERMAL & SOUND REQUIREMENT</p> <p>TH60 THERMAL/ SOUND INSULATION MAX. LAMBDA (λ) VALUE: 0.035 W/(mK) LOCATION: GENERAL $\pm 60 \text{ kg/m}^3$ BULKHEADS AND DECKS: • 50mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS</p> <p>TH60 THERMAL/ SOUND INSULATION MAX. LAMBDA (λ) VALUE: 0.035 W/(mK) LOCATION: GENERAL $\pm 60 \text{ kg/m}^3$ BULKHEADS AND DECKS: • 50mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS</p> <p>TH60 THERMAL/ SOUND INSULATION MAX. LAMBDA (λ) VALUE: 0.035 W/(mK) LOCATION: FORECASTLE - ACCOMMODATION $\pm 60 \text{ kg/m}^3$ BULKHEADS AND DECKS: • 50mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS</p> <p>TH100 THERMAL/SOUND INSULATION MAX. LAMBDA (λ) VALUE: 0.035 W/(mK) LOCATION: GENERAL $\pm 80 \text{ kg/m}^3$ BULKHEADS AND DECKS: • 100mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS</p> <p>TH100 THERMAL/SOUND INSULATION MAX. LAMBDA (λ) VALUE: 0.035 W/(mK) LOCATION: MAIN DECK - ACCOMMODATION $\pm 80 \text{ kg/m}^3$ BULKHEADS AND DECKS: • 100mm BETWEEN STIFFENERS • 25mm AROUND STIFFENERS</p>	<p>In general, all the thicknesses shown in the Annexure 11.2 Rev A of PTS N30370251000010 should be adhered to. The density of any insulation shall not be lesser than the respective density indicated in Annexure 11.2 Rev A of PTS N30370251000010 and in case higher density is used, weight impact to be provided to CSL for approval. W.r.t. Glass cloth facing requirement, separate Fire glass cloth sheet can be used as covering on top of insulation.</p>	

4	<p>It will be difficult to source the product with different densities as the quantities are lesser.(since most of the products are having Minimum order quantity)</p> <p>As an example Thermal insulation in general area indicated as 50 Kg/m³ , however some area same insulation required at 60 and 80 kg densities. Refer below.</p> <table border="1"> <thead> <tr> <th>Class</th><th>Thickness</th><th>Density(kg/m³)</th><th>Facing</th></tr> </thead> <tbody> <tr><td>Thermal</td><td>50</td><td>50</td><td>Alu</td></tr> <tr><td>Thermal</td><td>25</td><td>50</td><td>Alu</td></tr> <tr><td>Thermal</td><td>50</td><td>50</td><td>Glass Cloth</td></tr> <tr><td>Thermal</td><td>25</td><td>50</td><td>Glass Cloth</td></tr> <tr><td>Thermal</td><td>80</td><td>50</td><td>Alu</td></tr> <tr><td>Thermal</td><td>80</td><td>60</td><td>Alu</td></tr> <tr><td>Thermal</td><td>25</td><td>60</td><td>Alu</td></tr> <tr><td>Thermal</td><td>100</td><td>50</td><td>Alu</td></tr> <tr><td>Thermal</td><td>100</td><td>80</td><td>Alu</td></tr> <tr><td>Thermal</td><td>25</td><td>80</td><td>Alu</td></tr> </tbody> </table> <p>The same issue will be there for A60 and A15 insulation.</p> <p>In addition to densities, some area(mainly navigation deck) requires insulation with Glass cloth facing. Each Change in density and facing material will require different products.</p> <p>Therefore request to kindly accept the standard densities for insulation (available in India) as below:</p> <p>A60 and A15 insulation will be provided with 100Kg/m³ density in all compartments including ECR. (as per technical requirement from yard ECR fire insulation was indicated with density of 80Kg/m³).</p> <p>Thermal insulation 45 Kg/m³</p> <p>Acoustic insulation 80 Kg/m³</p> <p>Wherever Insulation with glass cloth facing mentioned, we propose separate Fire glass cloth sheet for covering on top of insulation.</p>	Class	Thickness	Density(kg/m ³)	Facing	Thermal	50	50	Alu	Thermal	25	50	Alu	Thermal	50	50	Glass Cloth	Thermal	25	50	Glass Cloth	Thermal	80	50	Alu	Thermal	80	60	Alu	Thermal	25	60	Alu	Thermal	100	50	Alu	Thermal	100	80	Alu	Thermal	25	80	Alu		
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Thermal	100	50	Alu																																												
Thermal	100	80	Alu																																												
Thermal	25	80	Alu																																												
5	Refer to Annexure 7.1 Rev A of PTS N30370251000010.	<p>i) Annexure 7.1 Rev A of PTS N30370251000010 is revised with Annexure 7.1 Rev B provided along with the these clarifications and same is to be considered for the submission of offer.</p> <p>ii) Please note that the 5 no.'s - 2 person crew cabins indicated in page 1 of Annexure 7.1 Rev B of PTS N30370251000010 have been revised to 10 no.'s - 1 person crew cabins. Further, crew, officer mess rooms, smoking room are revised as indicated in page no. 2 of Annexure 7.1 Rev B of PTS N30370251000010. For all the remaining spaces in main deck accommodation area, refer to Page 1 of Annexure 7.1 Rev A of PTS N30370251000010.</p> <p>iii) The typical 1 person crew cabin with its furniture & dimensions shall be similar to 1 person crew cabins indicated in Annexure 7.2 Rev A of PTS N30370251000010.</p> <p>iv) Each 1 person crew cabin (total 10 no.s 1 person crew cabins) on Main deck shall be provided with the following major items by the firm and the same to be considered in the offer. Any other item required as per PTS and its Annexures shall also be considered by the firm in their offer.</p> <ol style="list-style-type: none"> 1 single berth, 2000 x 800 mm with 2 drawers 1 wardrobe with keys/ lock 1 writing desk with two drawers at one side with keys/ lock 1 desk chair with armrests 1 settee 3 coat-hooks 1 bookrack 1 curtain roller for each window 1 washbasin (entire plastic piping U PVC, PB, PE for cold & hot water connection, grey water of wash basin are in firm scope) + cabinet with mirror & light + drinking glass + soap holder + towel rod 3 x Coat hooks 1 porthole of size 360 dia, 10mm thick (with all necessary frames, open turning down) 1 B0 fire class panel door of 700mm x 2060 clear dimensions, D/N lock, ventiation grill Deck covering shall be floating floor with dampening treatment, vinyl as indicated for 2-crew cabins in Annexure 10 Plan of deck covering of PTS N30370251000010. Wall/Partition and ceiling panel boundary shall be provided as per drawing placed in page 2 of Annexure 7.1 Rev B of PTS N30370251000010. Name plate for the room, key label as per standard indicated in Annexure 17.5 of PTS N30370251000010. Necessary arrangements, stiffening to fit the TV, bed side lamp, desk lamp in the designated locations. <p>v) Storm rail shall be provided in the corridor.</p>	<p>i)</p> <p>ii)</p> <p>iii)</p> <p>iv)</p> <p>v)</p>																																												

6	Refer to Annexure 15.5 Rev A, Anexure 15.2 Rev A, Annexure 6, Sl. no. I piping in page 14 of 27 in PTS N30370251000010.	Please note that only the upper part & removable part of water sealed scupper as indicated in Annexure 15.5 Rev A need to be supplied by the firm for Accommodation space (Annexure 6), ER toilet. The lower part, straub coupling are not in firm scope. However, installation of water sealed scuppers(lower & upper part) & straub coupling in Accommodation area(Annexure 6), ER toilet to be considered in firm scope.	
Important Note Firm shall provide compliance to the above clarifications in "Firm compliance" column and submit the same along with the offer.			

ANNEXURE 4 Maker's List Rev A
This Annexure contains 1 Page

Sl. No.	EQUIPMENT/ ITEM	MAKER	Make offered	Country of origin
1	Galley Equipment	Bouter (NLD) Loipart Metos Electrolux Beha Hedo Edco Equivalent Indian make*		
2	LSA & Loose FFA items (SOLAS Approved Item)	Viking Survitec		
3	Embarkation and Pilot Ladder	PTR Holland Drewil Entership SP, Poland Delmar		
4	Laundry Equipment	Loipart Metos Electrolux Miele AEG Equivalent Indian make*		
5	Accommodation Furniture	BIP Maritime Montering Volpi ITA Alcinav Vad Staco Sejin Korea Equivalent Indian make*		
6	Windows & Side Scuttles	JUNG GONG IND CO SAMGONG CO. LTD. WIGO Bohamet CC Jensen As Lubmor Equivalent Indian make*		
7	Panel Doors	BIP Libra Bohamet Baggerod Horten AS Alvedoor AB Staco Norac Norway Sejin Korea Equivalent Indian make*		
8	Prefabricated toilet units	BIP Staco Norac Sejin Korea Equivalent Indian make*		
9	Watertight and weathertight hinged doors	Libra Winel Nor pro Equivalent Indian make*		
10	Window wipers	Atlas/ Wynn Decca Seematz Equivalent Indian make*		
11	Vacuum closets	EVAC Jets Equivalent Indian make*		
12	Wall and ceiling panel	Staco BIP Sejin Korea Equivalent Indian make*		

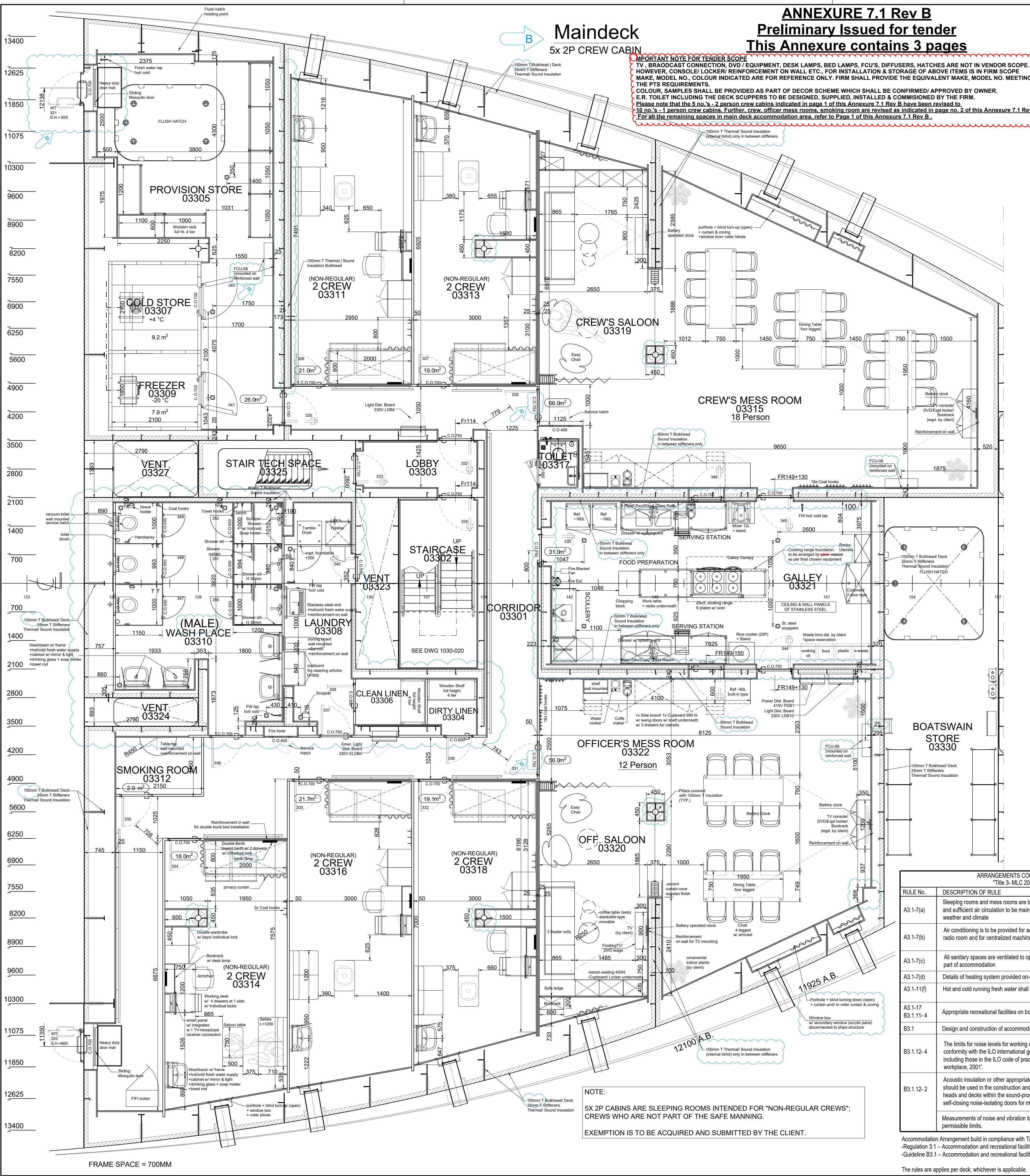
Note

* The Equivalent Indian make should meet all vessel requirements indicated in PTS N30370251000010 & its Annexures including class/ Flag requirements. Equivalent Indian makes, if any for the above items (Sl. no. 1, 4, 5, 6, 7, 8, 9, 10, 11, 12) which the firm intends to offer shall be submitted by the firm to the CSL before offer submission with in 23rd November 2023 for Owner & CSL review/approval. During review/ approval, if required, firm shall submit the necessary documentation in timely manner. Once approved, firm can only offer from these approved equivalent Indian makes & other makes indicated against the respective item above meeting the vessel requirements indicated in PTS N30370251000010 & its Annexures including class/ Flag requirements.

OTHER MAJOR ACCOMMODATION ITEMS

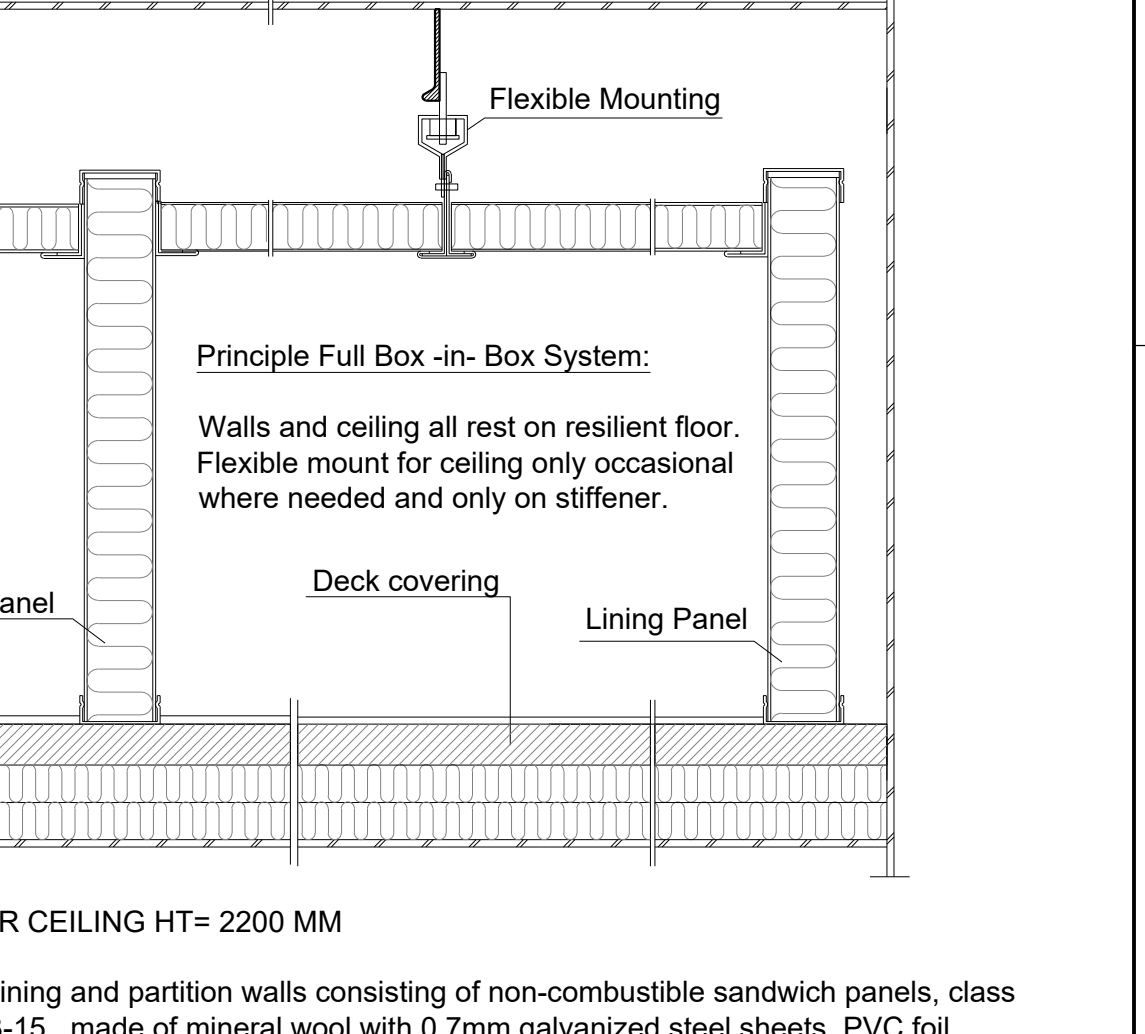
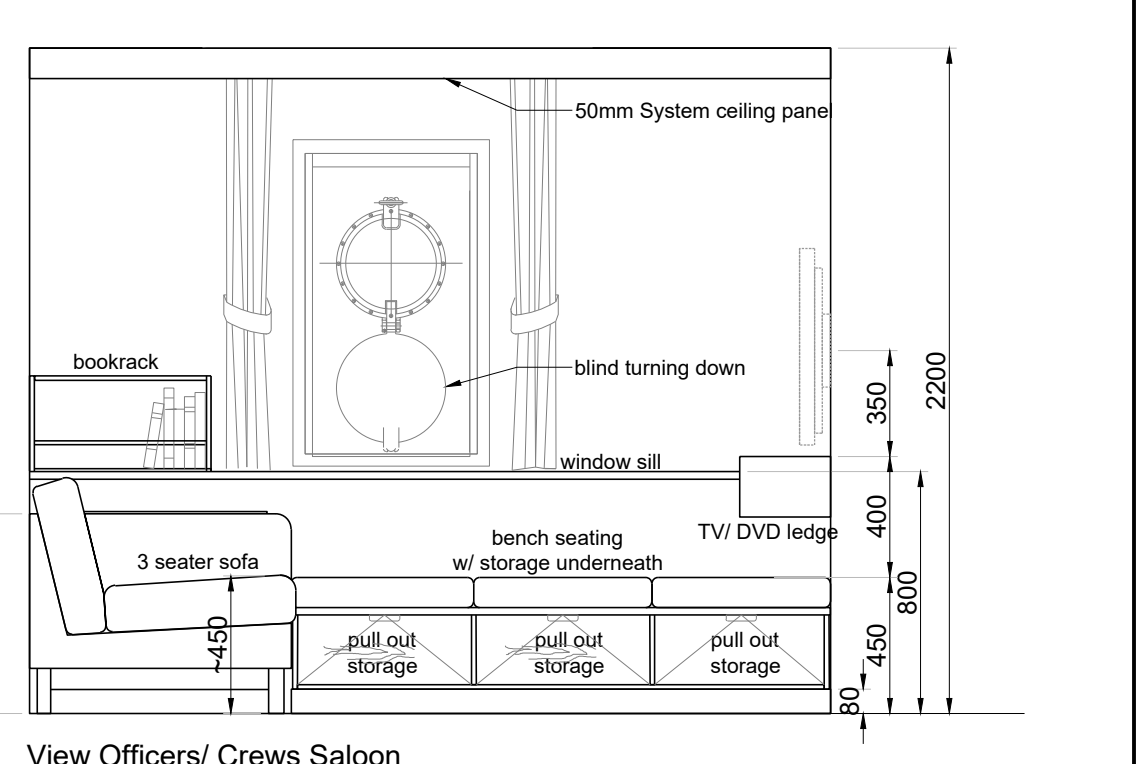
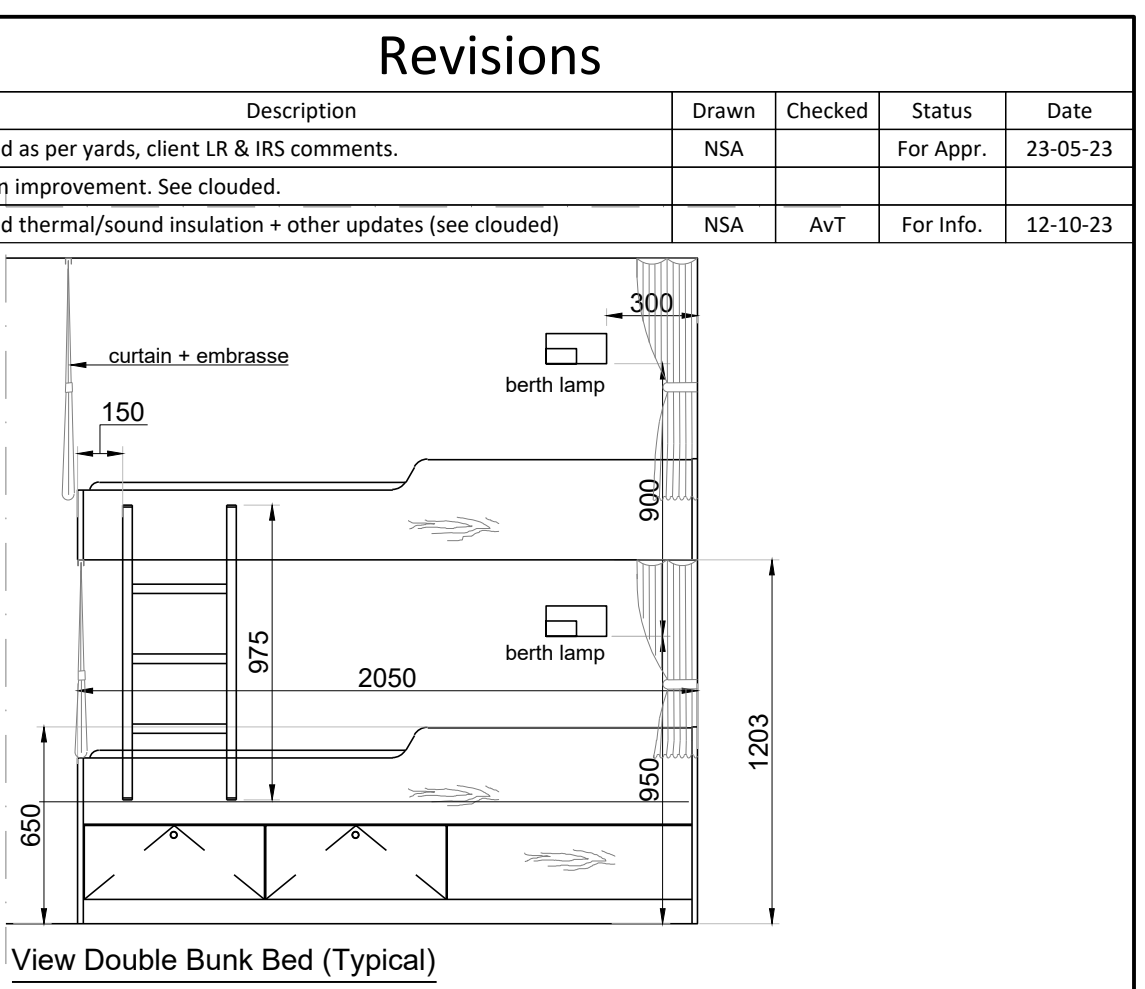
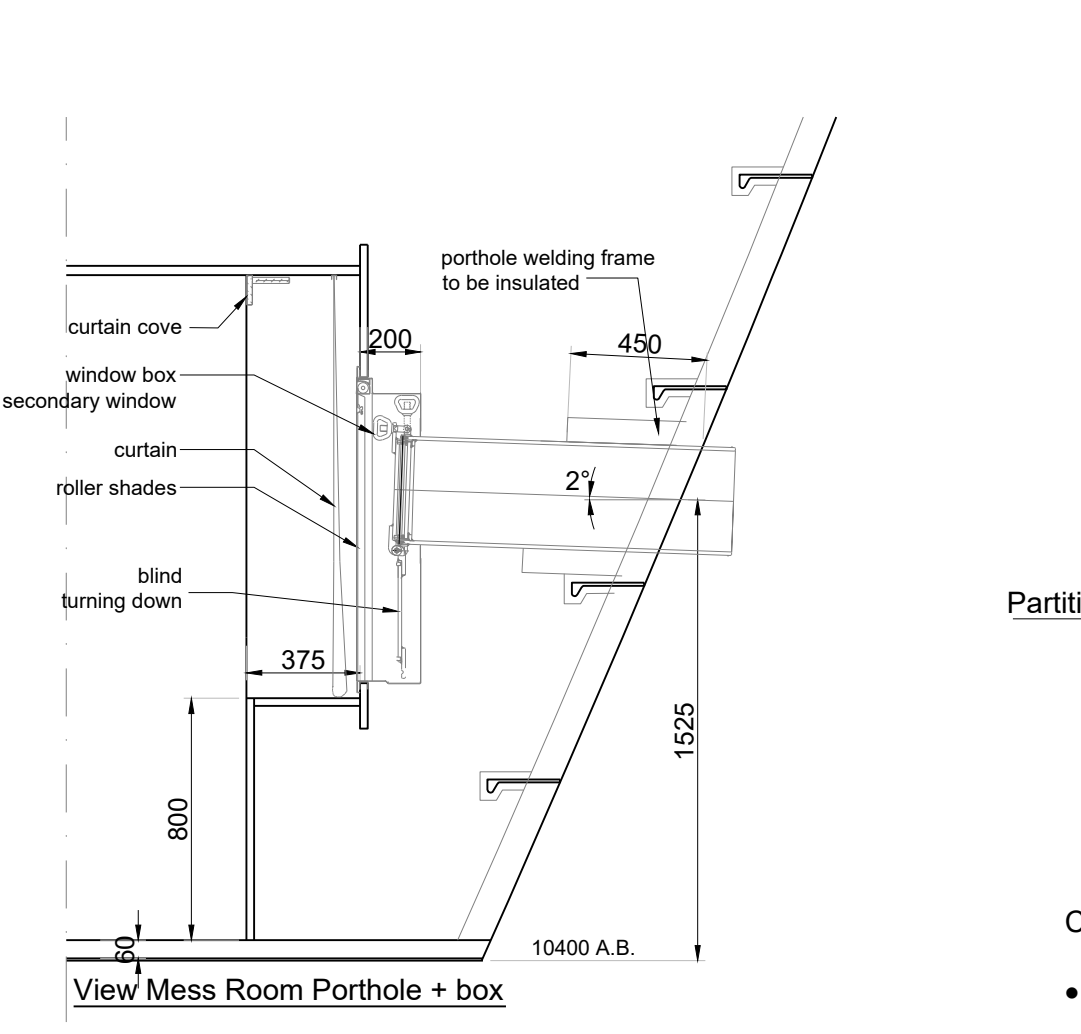
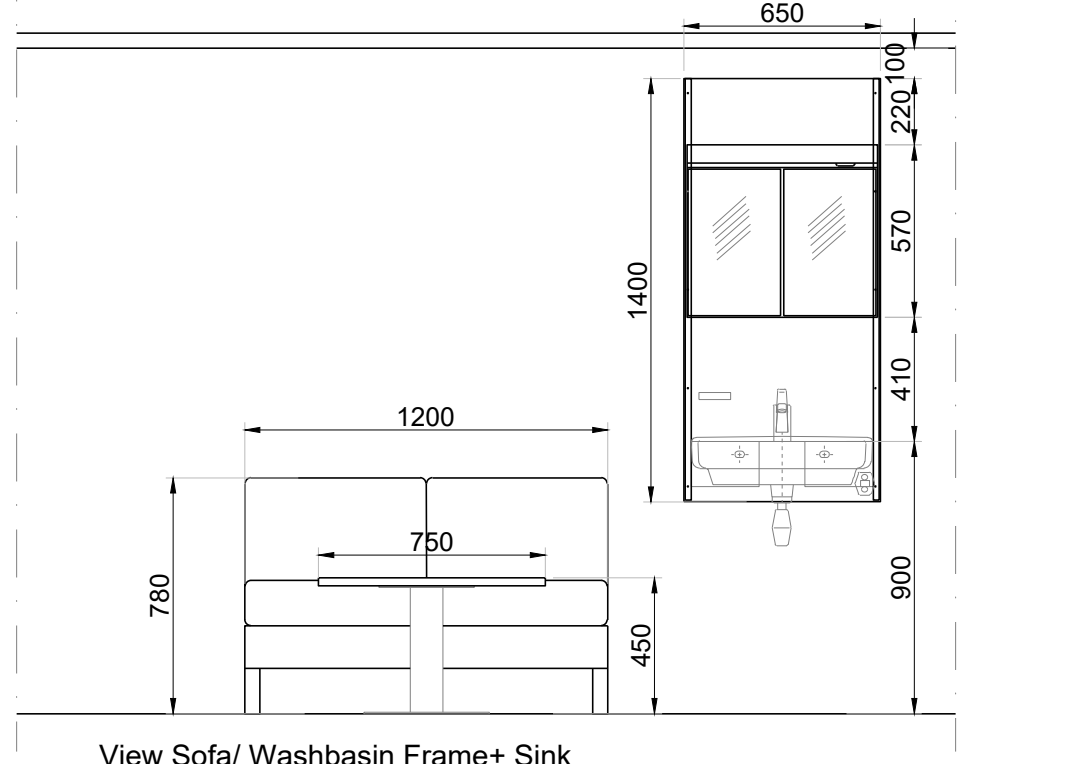
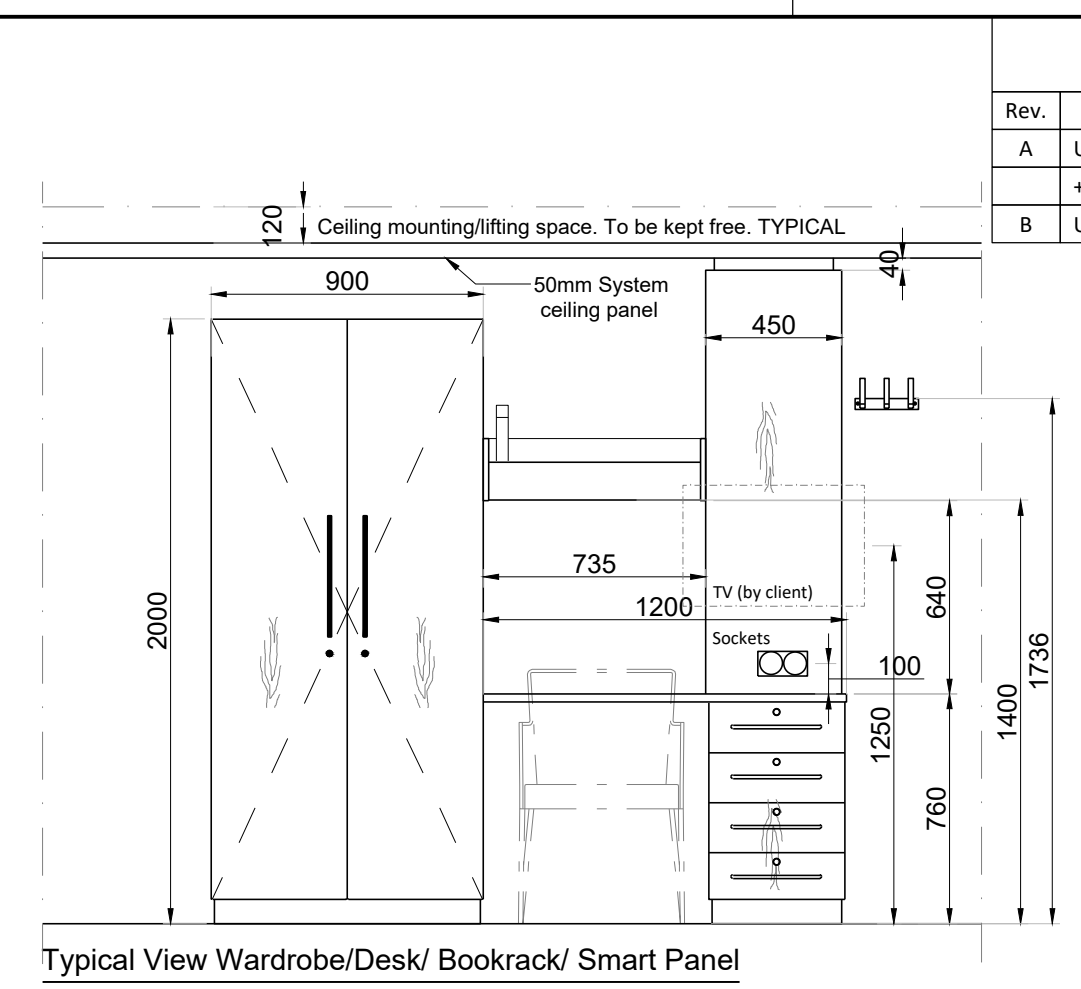
Sl. No.	Item/ System	Material/ type as per PTS	Material offered	Make offered	Country of origin
1	Insulation	Fire Insulation			
		Thermal/ Sound Insulation			
		Acoustic Insulation(Mineral Wool)			
2	Grey water system	PVC-U			
3	Black water system	PVC-U			
4	Fresh water system	Polyethylene			
		Polybutene			
5	Deck Covering	Latex composition			
		Vinyl sheet			
		light sound cement			
		Polyurethane cast/ Non skid ceramic tile			
		A60 Insulation Floating Floor			
		Thermal and sound Insulation Floor			
6	Panels	PUF Panels			

Annexure 5 Maximum Allowable Weights and Thicknesses Rev B					
This Annexure contains 1 Page					
NO:	Unit Items	Approx. Dimensions (L x B x H)(mm)	Max. Weight (kg) /Unit	Firm offered item/ equipment - Weight (kg)/ Unit	Remarks
1	Ceiling Panels 50mm	50mm thick mineral wool sandwich panel	13.2 kg/m2		
2	Ceiling Panels 30mm	30mm thick mineral wool sandwich panel	15.6 kg/m2		
3	Wall Panels 25mm	25mm thick mineral wool sandwich panel	14.3 kg/m2		
4	Partition Panels 50mm (35 dB)	50mm thick mineral wool sandwich panel	15.9 kg/m2		
5	Partition Panels 50mm (45 dB)	50mm thick mineral wool sandwich panel	17.8 kg/m2		
6	Prefabricated units (Toilet module)	2030 x 1075 x 2300	450 kg		
7	Fire Doors B class - B-0/B-15 Doors (including the frame)		50 kg		
8	Fire Doors A class - A-0/A-15/A-30 Doors	2060 x750 clear opening is considered.	100 kg		
9	Steel water/ weathertight doors	1850 x700 clear opening is considered.	180 kg		
10	Windows	Hole in Plate - 636 x 486 mm windows is considered	75 kg		
11	Portholes	Hole in Plate - 360 mm porthole is considered	75 kg		
12	Wheelhouse windows	Hole in Plate - as per the drawing	200kg/ unit		
13	Deck covering - Levelling floor Latex composition	Latex composition - self levelling - 15mm	27 kg/m2		
14	Deck covering - light sound Cement (30 mm)		27 kg/m2		
15	A60 Insulation Floor (Floating Floor)	A 60 Insulation Sisal craft paper, steel wire mats 50x50x3, 30mm Mortar, self levelling compound, floor covering	70 kg/m2		
16	Thermal and Sound Insulation floor (Floating Floor)	Thermal/ Sound Insulation - 30mm, Sisal craft paper, steel wire mats 50x50x3, 30mm Mortar, self levelling compound, floor covering	70 kg/m2		
17	Thermal insulation	Max. Lambda Value : 0.035 W/mK General Forecastle Accommodation Area Main deck Accommodation Area	50 kg/m3 60 kg/m3 80 kg/m3		Thickness is as per drawing Density, thickness cannot be lower than the prescribed value
18	Fire insulation Deckhead- A-60	40mm FOR PLATE AND 25mm AROUND STIFFENER	100 kg/m ³		Density, thickness cannot be lower than the prescribed value
19	Fire insulation Bulkhead- A-60	60mm FOR PLATE AND 25mm AROUND STIFFENER 100 mm for plate and 25mm around stiffener	100 kg/m ³		Density, thickness cannot be lower than the prescribed value
20	Fire insulation Deckhead- A-15	50mm FOR PLATE 80 mm for plate and 25mm around stiffener	100 kg/m ³		Density, thickness cannot be lower than the prescribed value
21	Fire insulation Bulkhead- A-15	50mm FOR PLATE 80 mm for plate and 25mm around stiffener	100 kg/m ³		Density, thickness cannot be lower than the prescribed value
22	Acoustic Insulation	80 mm for plate 75mm for plate 60 mm for plate 50 mm for plate	80 kg/m3 80 kg/m3 60 kg/m3 50 kg/m3		Density, thickness cannot be lower than the prescribed value
23	Storm rail Corridor		2 kg/m		
24	Hand rail staircase		6 kg/m		



ANNEXURE 7.1 Rev B
Preliminary Issued for tender
This Annexure contains 3 pages

IMPORTANT NOTE FOR TENDER SCOPE
TV, BROADCAST CONNECTION, DVD / EQUIPMENT, DESK LAMPS, BED LAMPS, FCU'S, DIFFUSERS, HATCHES ARE NOT IN VENDOR SCOPE. HOWEVER, CONSOLE / LOCKER / REINFORCEMENT ON WALL ETC., FOR INSTALLATION & STORAGE OF ABOVE ITEMS IS IN FIRM SCOPE. MAKE, MODEL NO., COLOUR INDICATED ARE FOR REFERENCE ONLY. FIRM SHALL PROVIDE THE EQUIVALENT MAKE, MODEL NO. MEETING THE PITS REQUIREMENTS.
COLOUR SAMPLES SHALL BE PROVIDED AS PART OF DECOR SCHEME WHICH SHALL BE CONFIRMED / APPROVED BY OWNER.
E.R. TOILET INCLUDING THE DECK SCUPPERS TO BE DESIGNED, SUPPLIED, INSTALLED & COMMISSIONED BY THE FIRM.
Please note that the 5 no.'s - 2 person crew cabins indicated in page 1 of this Annexure 7.1 Rev B have been revised to 10 no.'s - 1 person crew cabins. Further, crew, officer mess rooms are revised as indicated in page no. 2 of this Annexure 7.1 Rev B. For all the remaining spaces in main deck accommodation area, refer to Page 1 of this Annexure 7.1 Rev B.



CLEAR CEILING HT= 2200 MM

- Lining and partition walls consisting of non-combustible sandwich panels, class B-15, made of mineral wool with 0,7mm galvanized steel sheets, PVC foil finish, thickness 50mmT Partition Panel & 25mm T Lining Panel
- Ceiling consisting of non-combustible sandwich panels, class B-15, made of mineral wool with 0,7mm galvanized steel sheets, PVC foil finish, thickness 30/50mm.
- Perforated ceiling in Cabins, Mess Rooms, Office (perforation at accommodation side for noise absorption)
- All materials and construction to be approved by Class.
- Window boxes are made of steel or B-class material.
- Secondary window to be provided in Cabins and Mess Rooms for noise reduction.
- All inner doors are B-class, or A-class where required for fire protection.
- All accommodation entrance door to be provided with self-closing mosquito screens and heavy duty doormat.
- Floor covering vinyl. In all public wet spaces finished PU or Tiles
- Floor in prefabricated wet units: Cast epoxy floor or Tiles
- Final designation of washroom facilities (male or female) is at the discretion of the client.
- Frame space = 700mm

Method of Fire protection : IC
Reference:
0345-010 Plan of Deck covering
2616-010 Plan of Insulation
1030-020 Arrangement Accommodation Inner Stairs
2620-030 Ceiling Arrangement
2653.010 List of Colors

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ACCOMMODATION ARRANGEMENT
MAIN DECK

SIZE	A0	PROJ. NR. - SYSTEM NR. - SHEET
SCALE	50	DRAW.NR.: 63552 - 0334-030 - 2
DRAWN	NSA	24-06-2022
CHECKED	AvT	REVISION 8
		NUMBER OF SHEETS: 1

ARRANGEMENTS COMPLY TO "THE MERCHANT SHIPPING (CREW ACCOMMODATION) RULES"	
RULE No.	DESCRIPTION OF RULE
A3.1-7(a)	Sleeping rooms and mess rooms are to be adequately ventilated and sufficient air circulation to be maintained in all conditions of weather and climate
A3.1-7(b)	Air conditioning is to be provided for accommodation, separate radio room and for centralized machinery control room.
A3.1-7(c)	All sanitary spaces are ventilated to open air independently of any other part of accommodation
A3.1-7(d)	Details of heating system provided on-board
A3.1-11(f)	Hot and cold running fresh water shall be available in all 'wash places
A3.1-17 B3.1.11-4	Appropriate recreational facilities on board
B3.1	Design and construction of accommodation spaces
B3.1.12-4	The limits for noise levels for working and living spaces should be in conformity with the ILO international guidelines on exposure levels, including those in the ILO code of practice entitled 'Ambient factors in the workplace, 2001'.
B3.1.12-2	Acoustic insulation or other appropriate sound-absorbing materials should be used in the construction and finishing of bulkheads, deck heads and decks within the sound-producing spaces as well as self-closing noise-insulating doors for machinery spaces.
Measurements of noise and vibration to be carried out and shall be within permissible limits.	

ARRANGEMENTS COMPLY TO "THE MERCHANT SHIPPING (CREW ACCOMMODATION) RULES"	
RULE No.	DESCRIPTION OF RULE
5.	Height of crew accommodation
6.	Construction of bulkheads and panelling
7.	Overheads decks
8.	Flooring
9.	Protection of weather, etc.
10.	Heating
11.	Lighting
12, 12A.	Ventilation / Air conditioning
13.	Drainage
14.	Painting, insulation, etc.
15.	Marking
16.	Sleeping rooms
17.	Beds
18.	Furniture and fittings in sleeping rooms
20.	Furniture and fittings in mess rooms
24.	Supply of water to washing accommodation
25.	Supply of drinking water
26.	Laundry facilities, etc.
27.	Water closets
28.	Galleys
29.	Dry provision store
31.	Hospitals
32.	Medical cabinet
33.	Protection from mosquitos

Accommodation Arrangement built in compliance with Title 3- MLC 2006
-Regulation 3.1 - Accommodation and recreational facilities &
-Guideline B3.1 - Accommodation and recreational facilities

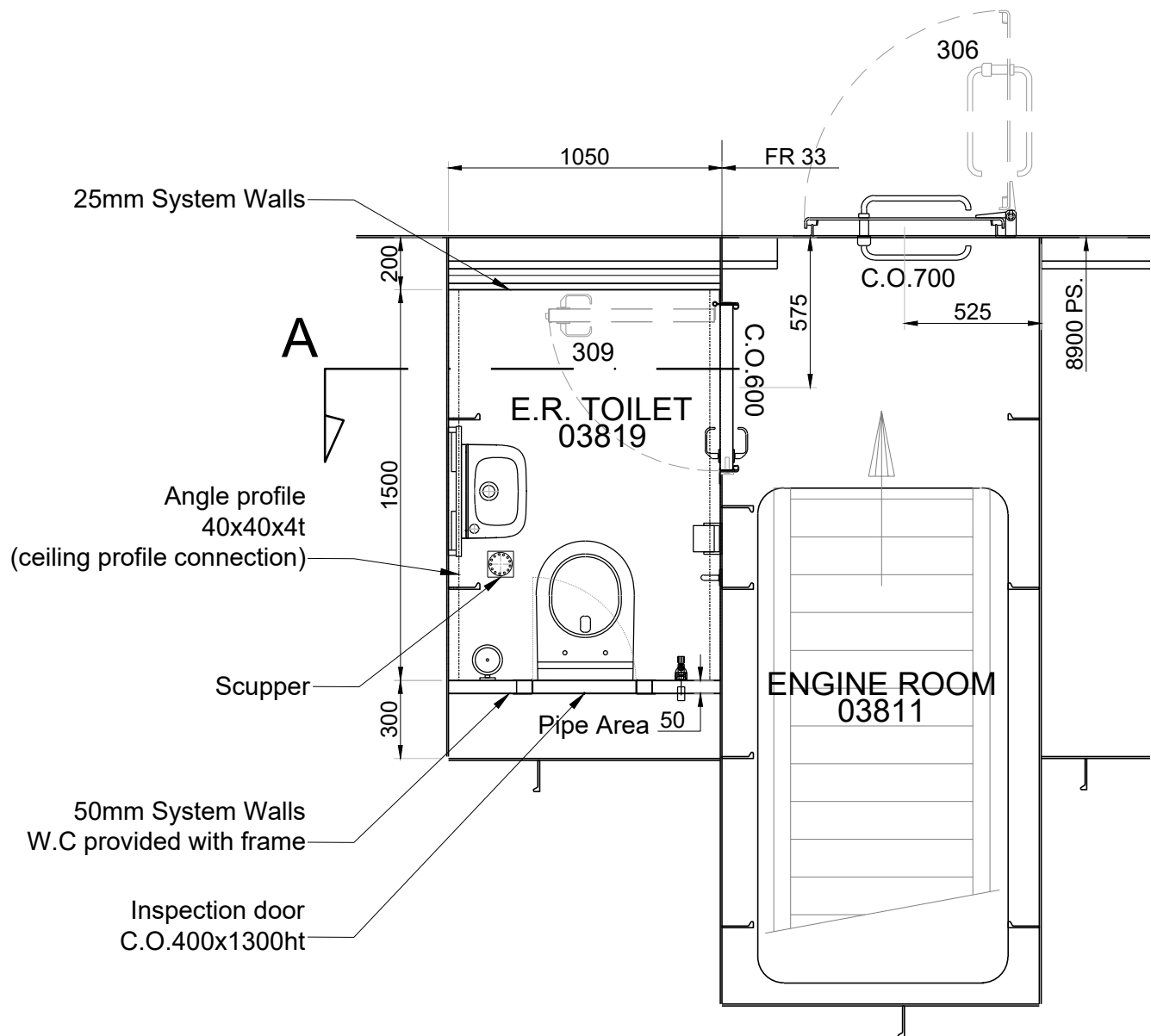
The rules are applies per deck, whichever is applicable.

*Rules applicable per deck of accommodation arrangement not mentioned rules in above table are as well incorporated.
For complete explanation/contents of rules see:
"The Merchant Shipping (Crew Accommodation) Rules".

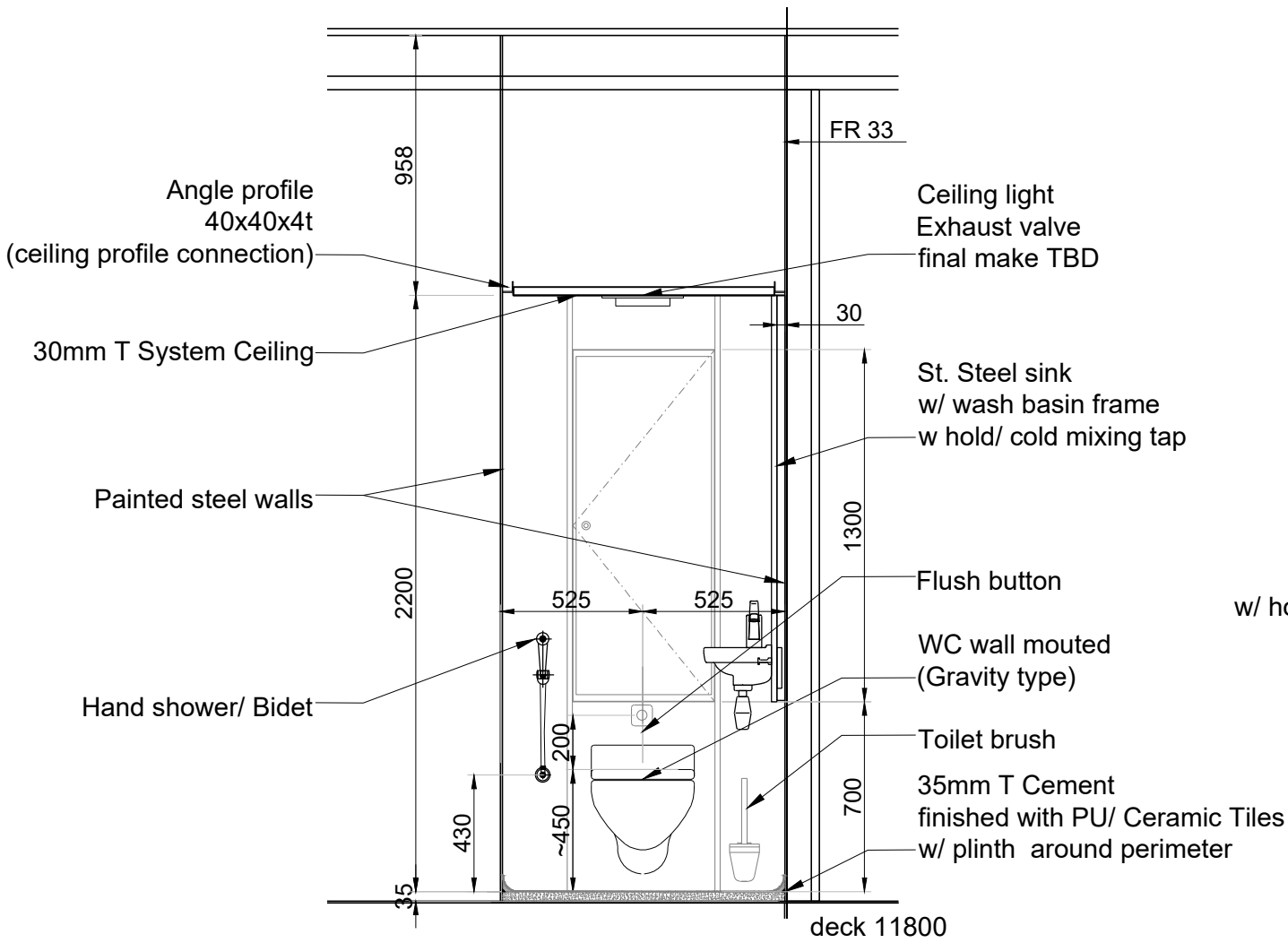
Revisions

Rev.	Description	Drawn	Checked	Status	Date
A	General update.	NSA	AvT	For Info.	23-05-23
B	Updated thermal/sound insulation + other updates (see clouded)	NSA	AvT	For Info.	12-10-23

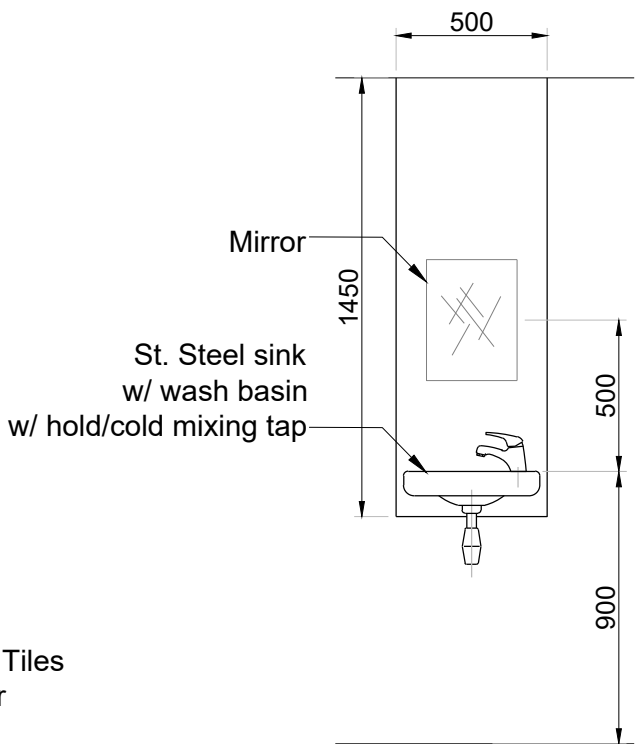
- NOTES:**
- Scope of Supply (per toilet):**
- 1 x Bowl assembly with integral sewage discharge valve (Vitreous China)
 - 1 x Flush control mechanism (ABS/EPDM)
 - 1 x Pushbutton assembly with flush memory
 - 1 x Toilet seat/cover assembly (Impact resistant plastic, white)
 - 1 x Water inlet hose assembly
 - 1 x Bowl fastening kit
 - 1 x Isolation Valve (PVC)
- 1 Hand shower/ bidet
-1 Soap dish over washbasin
-1 Toilet paper holder
-1 WC brush holder + brush
-1 Storm handle
-2 Coat hooks
-1 Vent. diffuser
-1 Door limiter
-1 Aerator on drain
- Colours (toilet):**
- | | |
|--------------------------|-------------------|
| Walls inside | :HNP-11 |
| Walls outside | :HNP- 11 |
| Ceiling inside | :HNP-11 |
| Ceiling outside | :Galvanized steel |
| Doorleafs (bathroomside) | :HNP-11 |
| Doorleafs (workshopside) | :HNP-11 |
| Doorframe+counter frame | :RAL7039 |
| Floor | :BG808 |
- *All colours/ finishes are indicative as per IHC standard execution.
To be finalized by yard as per client approved finishes.



ER/ ECR Toilet- AFT



View A



View St. Steel Sink Frame

Royal IHC

IHC Holland BV Kinderdijk The Netherlands www.royalihc.com

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ACCOMMODATION ARRANGEMENT
MAINDECK- ER TOILET AFT

SIZE	A2	PROJ. NR. - SYSTEM NR. - SHEET			
SCALE	1 : 25	DRAW.NR.: 63552 - 0334-030 - 2			
DRAWN	NSA	22/08/2022	NUMBER OF SHEETS : 2		
CHECKED	-	-/-/-	REVISION	B	

**IMPORTANT NOTE FOR TENDER**

MAKE, MODEL NO., COLOUR INDICATED ARE FOR REFERENCE ONLY.

FIRM SHALL PROVIDE THE EQUIVALENT MAKE, MODEL NO. MEETING THE PTS REQUIREMENTS.

UPPER PART AND REMOVABLE BASKET/ WATER TRAP IS ONLY IN FIRM SCOPE.

BLUCHER LOWER PART OF WATER SEALED SCUPPER AND STRAUB COUPLINGS ARE NOT IN FIRM SCOPE.

HOWEVER, INSTALLATION OF WATER SEALED SCUPPER (LOWER & UPPER PART) & STRAUB COUPLING IN ACCOMMODATION AREA (ANNEXURE 6), ER TOILET TO BE CONSIDERED IN FIRM SCOPE.

Blücher stainless steel upper part glued on top
of screed

Blücher removable basket / water trap

Delivery of upper part and removable
basket / water trap by Accommodation & Safety
discipline

15-35mm

5

STRAUB METAL GRIP St.St. 60.3
ERIKS Fig.5515 - 2" (NBR*)
Fig.5514 - 2" (EPDM)

INNER SLEEVE
C313N-ST52 - 1.5" L80

STEEL PIPE
C100-DN40

5-10

BLUCHER LOWER PART
C551HS or C551V

PREFERRED CONNECTION

BLUCHER LOWER PART AND STRAUB GRIP ARE FITTINGS IN
THE DIAGRAM OF WASTE WATERS; 0324-323

* Preferably



Subject: Scupper in levelling floor 15-35 mm
Straub grip

Date:

16-08-'23

Rev.:

D

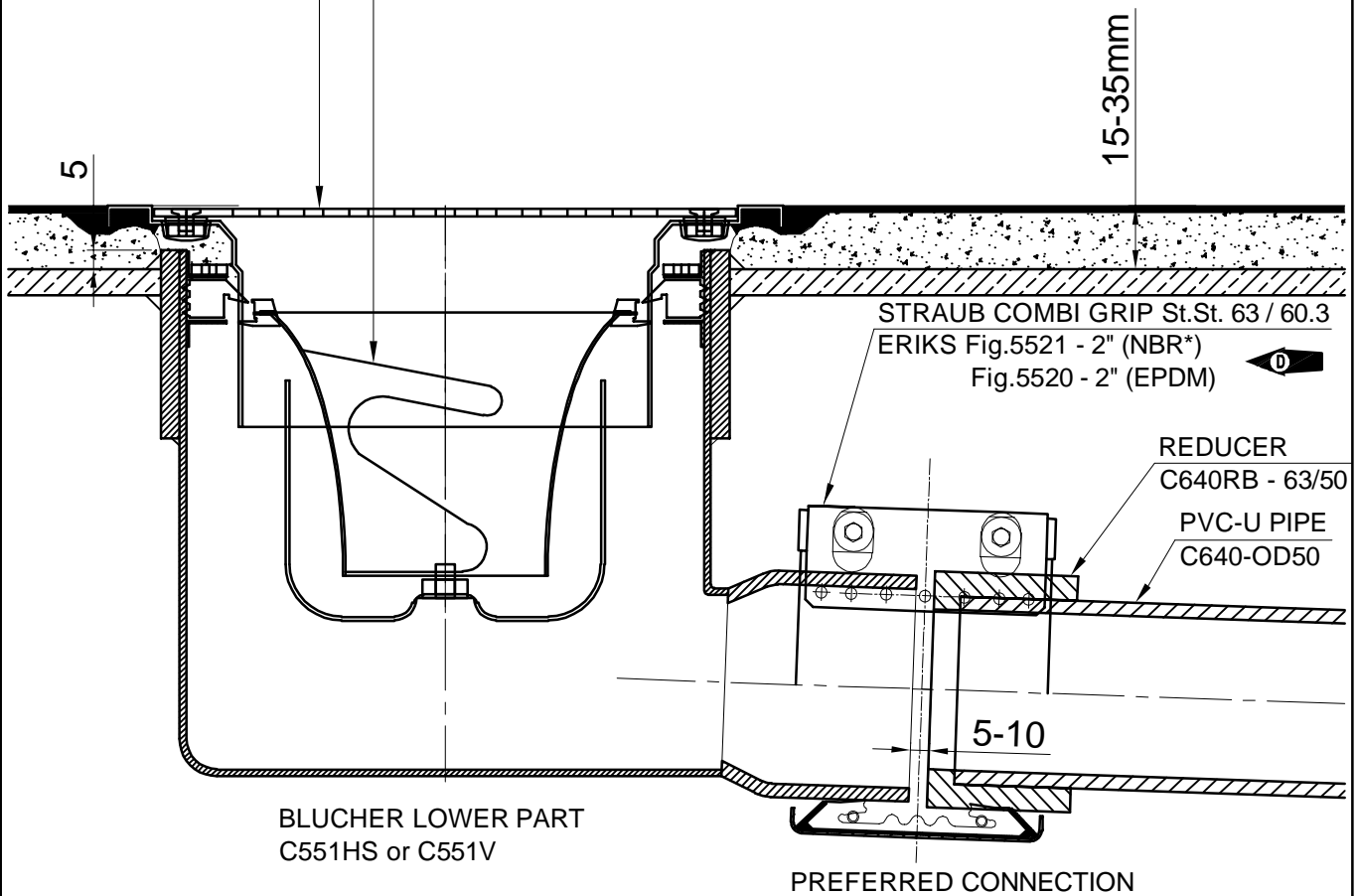
Comp. group:

A185-01

Blücher stainless steel upper part glued on top of screed

Blücher removable basket / water trap

Delivery of upper part and removable basket / water trap by Accommodation & Safety discipline



BLUCHER LOWER PART AND STRAUB GRIP ARE FITTINGS IN THE DIAGRAM OF WASTE WATERS; 0324-323

* Preferably



Subject: Scupper in levelling floor 15-35 mm
Straub combi grip

Date:
16-08-'23

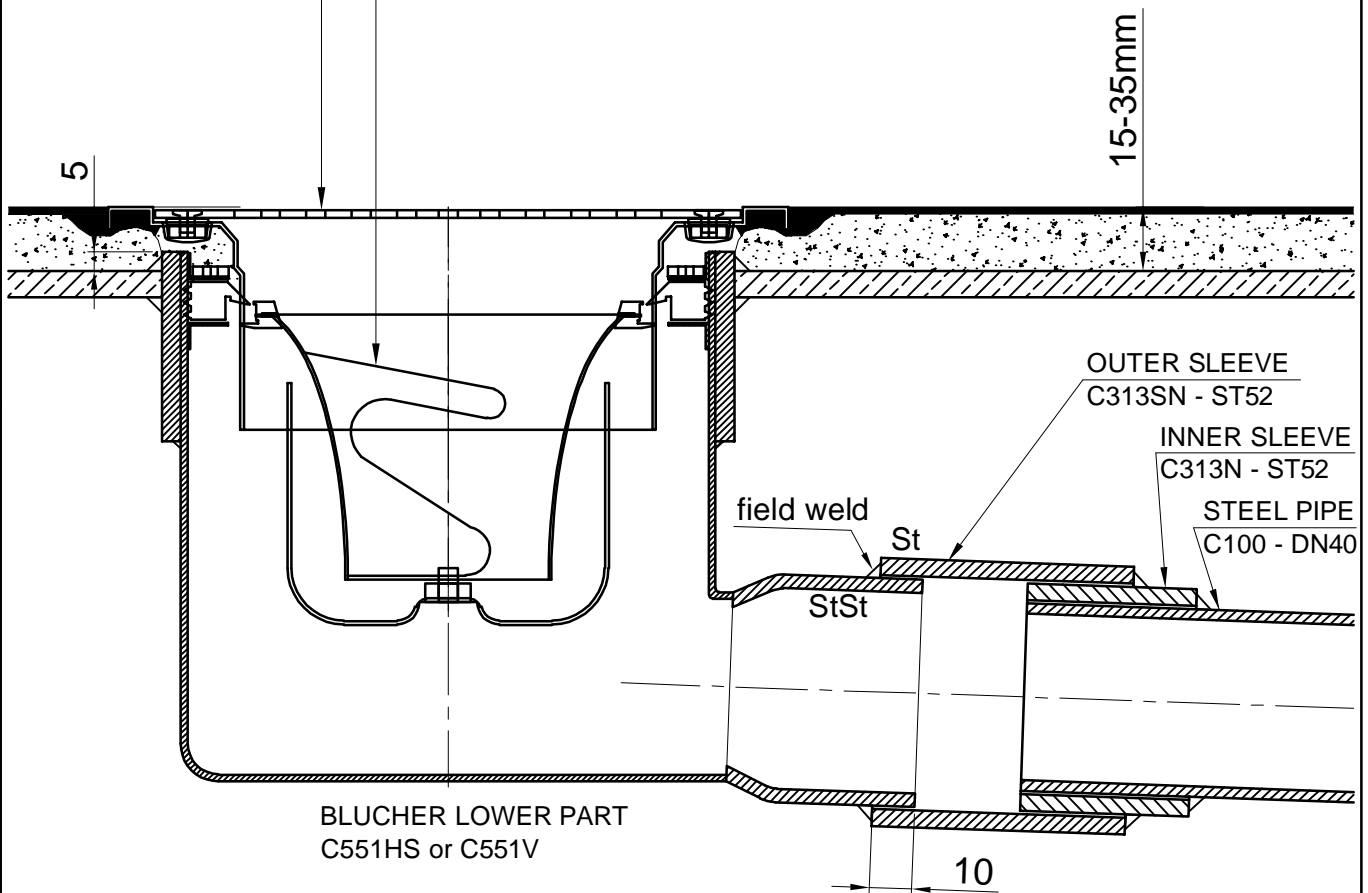
Rev.:
D

Comp. group:
A185-02

Blücher stainless steel upper part glued on top of screed

Blücher removable basket / water trap

Delivery of upper part and removable basket / water trap by Accommodation & Safety discipline



BLUCHER LOWER PART ARE FITTINGS IN THE DIAGRAM OF WASTE WATERS; 0324-323

Subject: Scupper in levelling floor 15-35 mm sleeve welded connection

Date:
16-08-'23

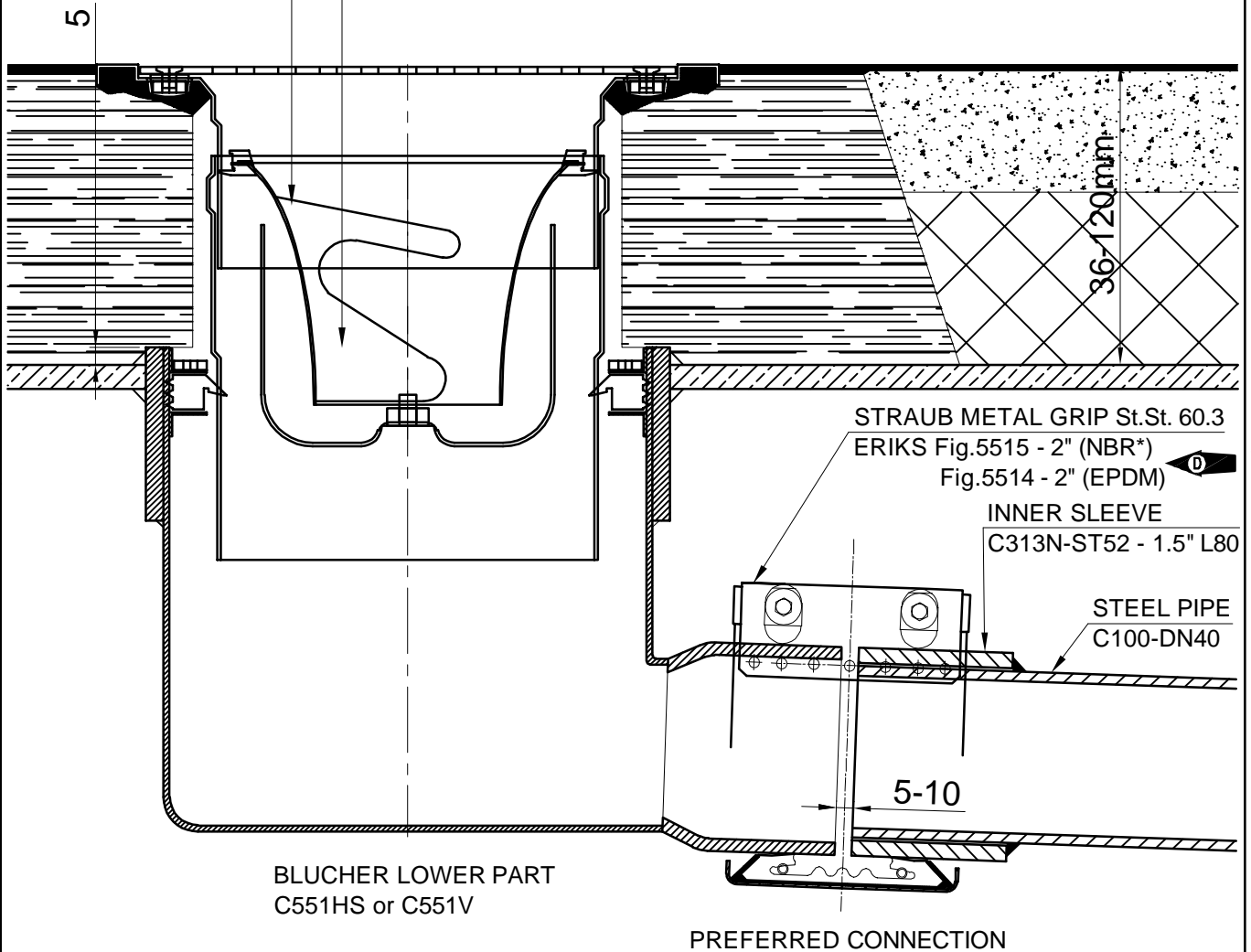
Rev.:
D

Comp. group:
A185-03

Blücher stainless steel upper part glued on top of screed

Blücher removable basket / water trap

Delivery of upper part and removable basket / water trap by Accommodation & Safety discipline



BLUCHER LOWER PART AND STRAUB GRIP ARE FITTINGS IN THE DIAGRAM OF WASTE WATERS; 0324-323

* Preferably



Subject: Scupper in floating floor 36-120 mm
Straub grip

Date:
16-08-'23

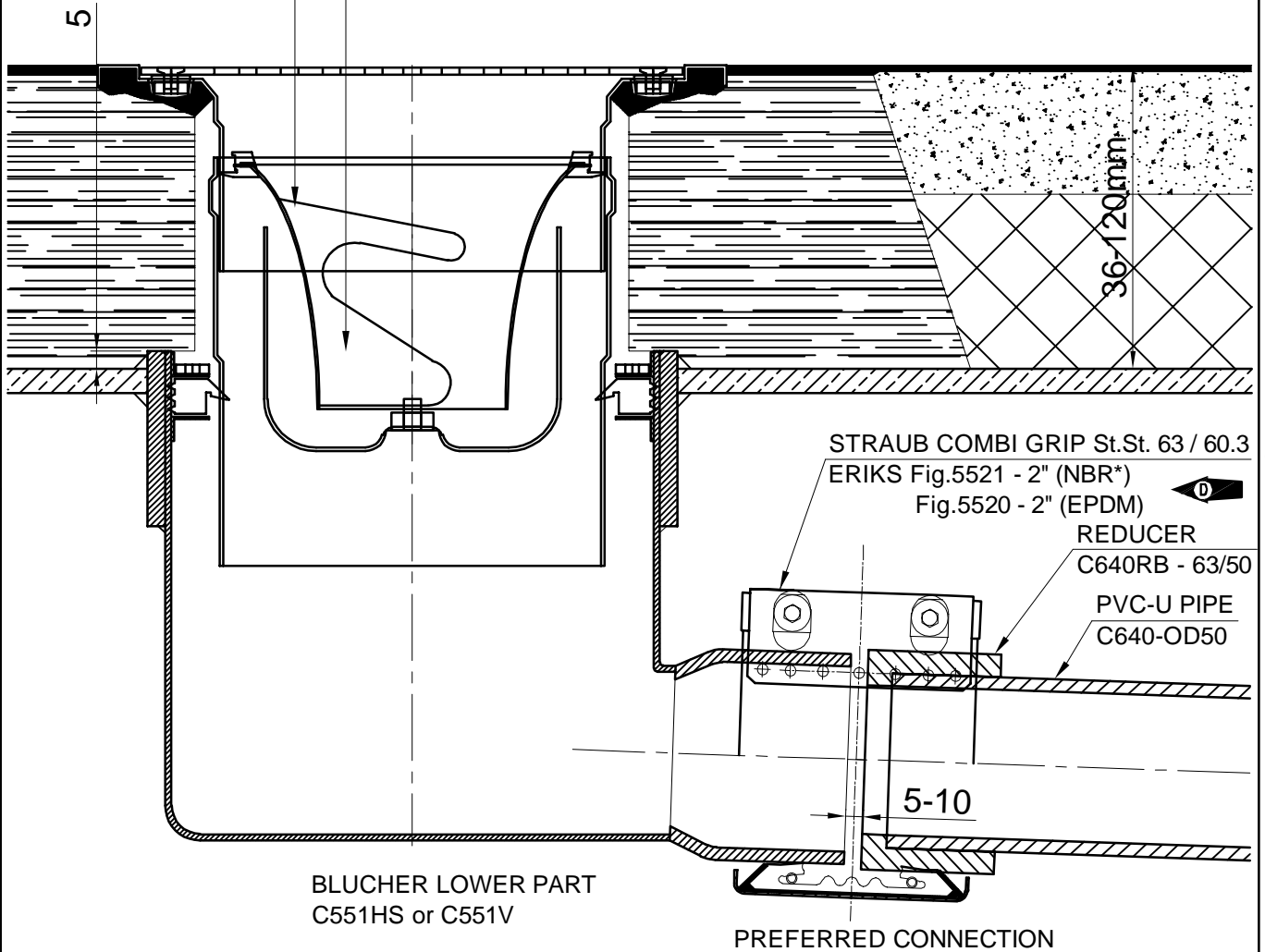
Rev.:
D

Comp. group:
A185-04

Blücher stainless steel upper part glued on top of screed

Blücher removable basket / water trap

Delivery of upper part and removable basket / water trap by Accommodation & Safety discipline



BLUCHER LOWER PART AND STRAUB GRIP ARE FITTINGS IN THE DIAGRAM OF WASTE WATERS; 0324-323

* Preferably



Subject: Scupper in floating floor 36 - 120 mm
Straub combi grip

Date:
16-08-'23

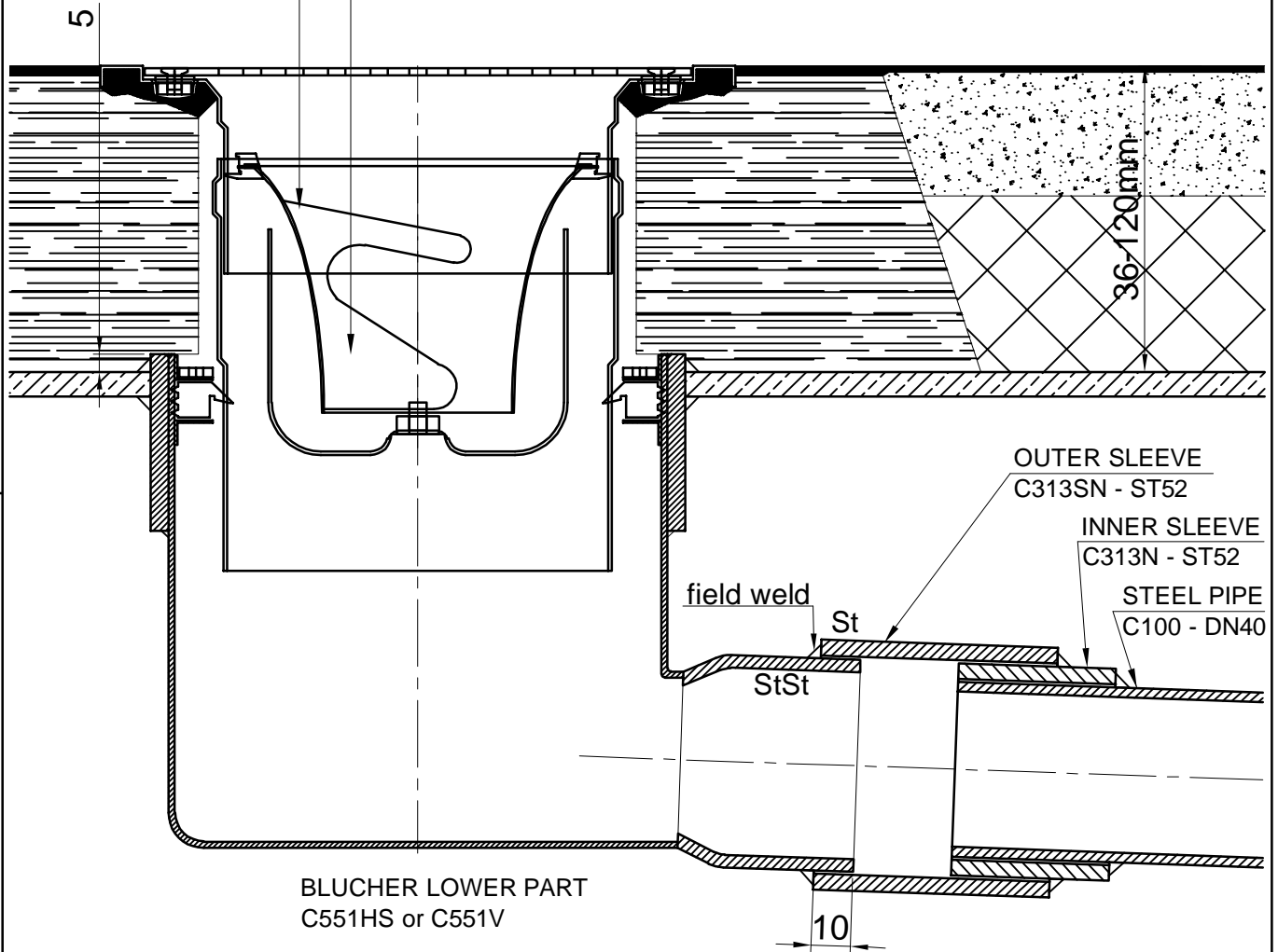
Rev.:
D

Comp. group:
A185-05

Blücher stainless steel upper part glued on top of screed

Blücher removable basket/water trap

Delivery of upper part and removable basket/water trap by Accommodation & Safety discipline



BLUCHER LOWER PART ARE FITTINGS IN THE DIAGRAM OF
WASTE WATERS; 0324-323

Subject: Scupper in floating floor 36-120 mm
sleeve welded connection

Date:
16-08-'23

Rev.:
D

Comp. group:
A185-06