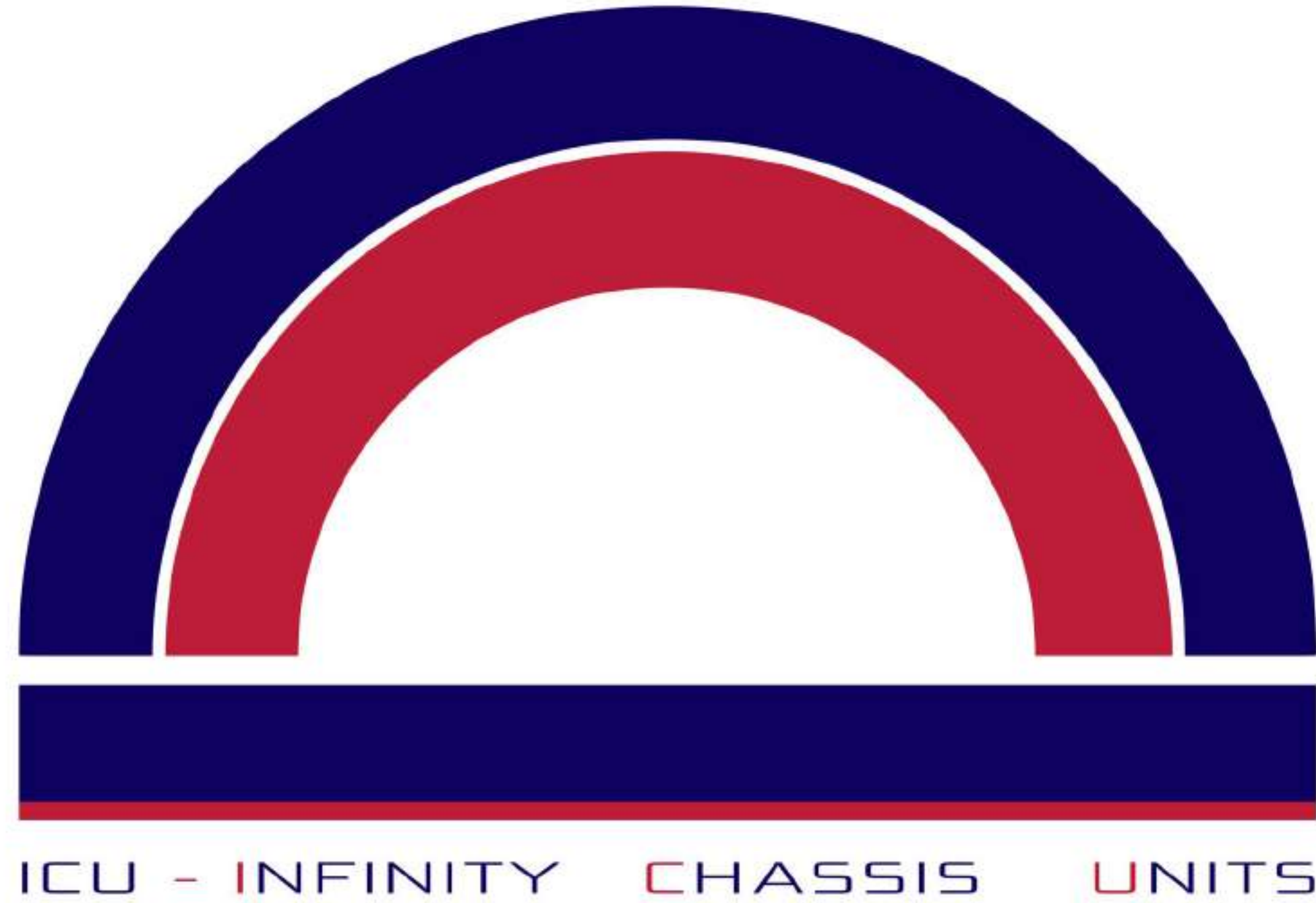




Armored Ambulance

Secured to Care

Infinity Chassis Units

Armored Body: EN 1522-23 FB4/NS Bulletproof Steel



- **Standard:** European standard EN 1522 defines bullet resistance for building and vehicle components.
- **FB4 Level Protection:** Designed to withstand .44 Magnum rounds, providing high stopping power.
- **Steel Properties:** Non-splintering (NS) steel absorbs and dissipates impact energy without producing dangerous fragments.
- **Application:** Commonly used in critical areas like cabins and cargo spaces of armored vehicles in high-risk areas.



Fiat Ducato 18 M3



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Bulletproof Frames:

- The bulletproof frames shall be compliant with the EN 1522 - FB4(S) standard. It must be proven that the frames meet this standard with a test report accredited by an internationally recognized organization.

CLASS	WEAPON TYPE	BULLET DIAMETER	BULLET MASS (g)	TEST SHOOTING DISTANCE (m)	BULLET VELOCITY (m/s)
FB4 (NS)	Handgun	9 x 19 mm	8.0 ± 0.1	5 ± 0.5	400 ± 10
	Revolver	.357 Magnum	10.2 ± 0.1	5 ± 0.5	430 ± 10

- **PB:** Pointed Bullet
- **FJ2:** Fully Copper Alloy Jacketed
- **FJ1:** Fully Steel Jacketed
- **FJ:** Fully Metal Jacketed
- **SC:** Soft Core (Lead)

Bulletproof Window and Door Frames:

- The frames used in the construction of bulletproof windows and doors must be capable of stopping 3 bullets fired from a handgun or revolver with 8C type bullets, 9x19 mm or .357 Magnum caliber, 8.0 g or 10.2 g weight, respectively, fired at a speed of approximately 400-430 m/s from a distance of 5 meters. The test report provided must include these characteristics.
-
2. **Bulletproof Cladding Facade Vertical Profile:**
 - The vertical profile of the bulletproof cladding facade shall measure 70 mm x 210 mm with a minimum wall thickness of 3 mm.
 -
3. **Bulletproof Cladding Facade Horizontal Profile:**
 - The horizontal profile of the bulletproof cladding facade shall measure 70 mm x 190 mm with a minimum wall thickness of 3 mm.
 -
4. **Bulletproof Facade Profile Finishing:**
 - The profiles used in the bulletproof facade shall be naturally anodized.
 -
5. **Specialized Bulletproof Facade Profiles:**
 - The bulletproof facade shall not be constructed with conventional profiles available in the market but rather with special profiles designed for ballistic systems.



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6. **Waterproofing:**
 - o After the installation of the bulletproof facade, all four sides shall be sealed with 1 mm EPDM membrane to ensure water resistance.
7. **Armor Steel Reinforcement:**
 - o Gaps left between the facade and the concrete structure for exterior cladding shall be filled with armor steel between the column/facade areas.
8. **Auxiliary Elements:**
 - o The auxiliary elements (anchors, screws, dowels, etc.) used in the system shall be of non-rusting types such as galvanized or stainless steel.
9. **Seals and Fittings:**
 - o The glass seals and fittings in the system shall be made of EPDM gaskets.

CE STANDARDS FOR BULLETPROOF CLADDING FACADE (EN-14351-1+A1 PRODUCT STANDARD):

1. Bulletproof Compliance: EN 1522-1523 FB4 S
2. ISO 9001:2002
3. ISO 14001:2002
4. ISO 18001:2007
5. Capacity Report
6. Service Qualification Certificate

- **Prohibited Materials:**
 - Hardox wear-resistant steel shall not be used in any armor steel-reinforced framing systems. Instead, the use of 6.5 mm ARMOR 500, RAMOR 500, PROTECTION 500, or similar certified armor steels is mandatory. The manufacturer shall provide invoices and plate certificates (if available) for these materials.
 - The thickness of the armor steel used in the system shall not exceed 6.5 mm

All materials must receive prior approval before manufacturing.

The materials provided and any additional details required by the administration during the approval process must be adhered to.



Armored Glass: EN 1063 BR4 NS Class



- **Standard:** EN 1063 standard specifies bullet resistance for security glazing.
- **BR4 Level Protection:** Protects against .44 Magnum ammunition.
- **Composition:** 22mm thick with polycarbonate layers for impact absorption, curved and transparent with anti-scratch coating for durability.
- **Non-Splintering (NS):** Designed to crack in a controlled way without shattering into fragments.
- **Application:** Used in vehicle windows and other transparent areas, maintaining visibility and protection.





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Run-Flat Tire: 215/70R16 & 235/60R17



1.High-Performance All-Season Tires:

- Performance: Designed for high speeds and heavy loads, providing excellent road grip, stability, and shorter braking distances.
- All-Season Feature: Suitable for both summer and winter conditions, thanks to specialized compounds and tread patterns, performing well on wet, dry, and lightly snow-covered roads.

2.Run-Flat Technology:

- Functionality: Allows safe operation up to 80 km/h and 80 km distance when flat, with reinforced sidewalls to maintain control during low tire pressure.
- Value in Armored Vehicles: Enables vehicles to reach a secure location without stopping, which is critical in high-risk situations.

3.Bridgestone Brand:

- Known for quality and durability, Bridgestone's run-flat technology ensures reliability and performance, even in challenging conditions.



Dynamic RunFlat Data Sheet	
Product ID	Product
RFI XXX	Dynamic RunFlat System



Technical Details			
Material Composition	Westlon T1500		
Performance	<u>15km</u> 3km @ 90km/h 12km @ 25km/h	<u>50km</u> 3 km @ 90km/h 10km @ 50km/h 37km @ 25km/h	<u>100km</u> 3 km @ 90km/h 22km @ 50km/h 75km @ 25km/h
Number of Segments	2 segment (15km) or 3 segment (50km or 100km)		
Compatibility	16" – 23" Single Piece Wheels		
Application	Armoured Vehicles, VIP, Cash in Transit		
Safety Requirements	See fitting instructions		
Fitting Requirements	Tyre Fitting Machine or Beadspreader (RFI 016)		
Storage Requirements	Inside, Humidity 60+, Ambient temperature, Protected from UV		
Certification	FINABEL 20.A.5		
Weight	7 kg – 25kg		
HS Code	8708709985		

Dynamic Run-Flat Specifications Document



TEST REPORT

Of Interest: (a) Undersecretariat of Defence Industry EGM ZYA convention (SSM SZ.041) Technical Specification Document (TOD)

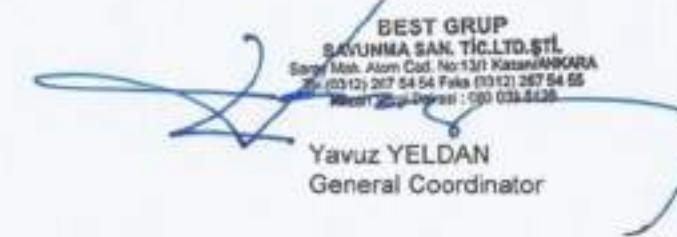
(b) Defence Industry Undersecretariat EGM ZYA contract qualification Test and Inspection Procedure.

- 1.) Qualification Test within the scope of the Armored Vehicle Project tendered by the Undersecretariat of Defence Industry; the factory facilities were executed in Tarsus between 15-30.05.2016 in order to verify the relevance (a)
- 2.) On 26.05.2016, Best Grup Savunma Sanati Tic. Ltd. Şti. and the undersecretariat for Defence Industries (SSM) Admission Inspection Panel is interested in participating in the prototype vehicle as a result of the run flat test defined in (b). 7.4on all tires of the vehicle, when the tire burst it is fully loaded on the asphalt, while at least 15 kilometers will Run Flat with 20 kilometers per hour speed according to this;

- a) The right rear tire of the vehicle has been completely lowered and the vehicle has been driven 15.2 km 20km/h by providing Run Flat, pressure and the technical criterions has been met.
- b) The three other tires of the vehicle have been completely lowered and put it on Run Flat, it has been determined that the vehicle has been driven by a speed of 20km/h for 2km to meet technical requirements.

This test report has been prepared by us for the qualification test report submitted to the SSM delegation.

20.03.2017


BEST GRUP
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Saray Mah. Adm. Cad. No:13/1-2 Kat:Manisa / ANKARA
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Yavuz YELDAN
General Coordinator

Tires Test Report

Suspension Reinforcement



- **Heavy-Duty Shock Absorbers:** These shocks handle the additional weight of armoring, ensuring road contact and stability, especially on uneven surfaces.
- **Reinforced Springs:** Multi-layer springs support the increased load, maintaining proper ride height and ground clearance.
- **Upgraded Suspension Arms:** High-strength steel or alloy arms withstand stress from weight, allowing safe, sudden maneuvers.
- **Anti-Roll Bars:** Thicker stabilizers reduce body roll and maintain stability during cornering, essential due to a higher center of gravity.
- **Bushings and Mounts:** Polyurethane bushings add durability and resistance to wear, absorbing vibrations under heavy loads.



Brake Reinforcement



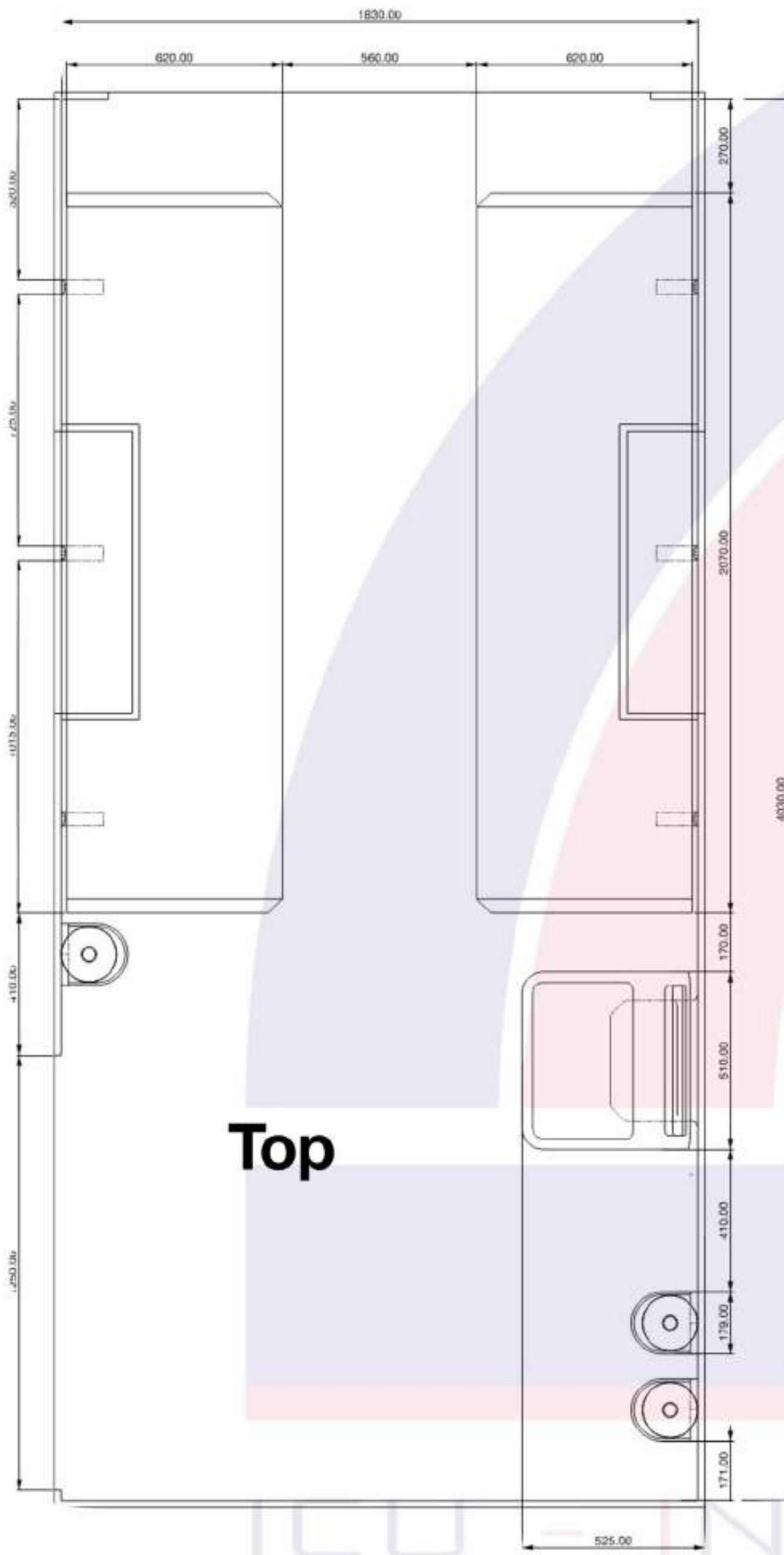
- **Larger, Thicker Brake Discs:** These high-performance discs offer more surface area, dissipating heat and preventing brake fade during intense use.
- **High-Performance Brake Pads:** Semi-metallic or ceramic pads withstand high temperatures and deliver consistent braking power.
- **Upgraded Brake Calipers:** Multi-piston calipers distribute pressure evenly, ensuring strong, reliable braking.
- **High-Viscosity Brake Fluid:** This fluid resists high temperatures, preventing vapor lock and maintaining braking efficiency.
- **Recalibrated ABS and ASR Systems:** Adjustments to these systems optimize control and safety, preventing skidding and ensuring performance under the vehicle's increased mass.



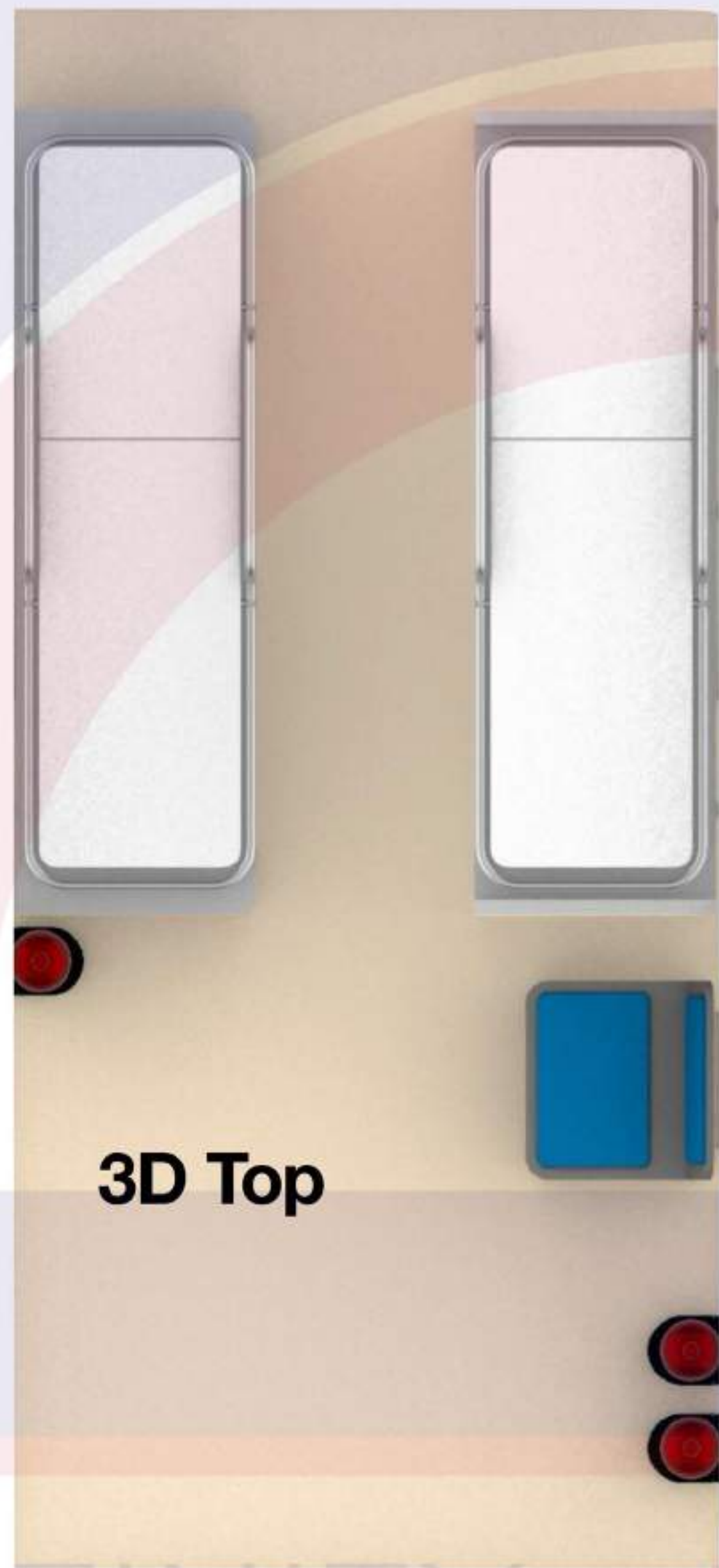


Certificates

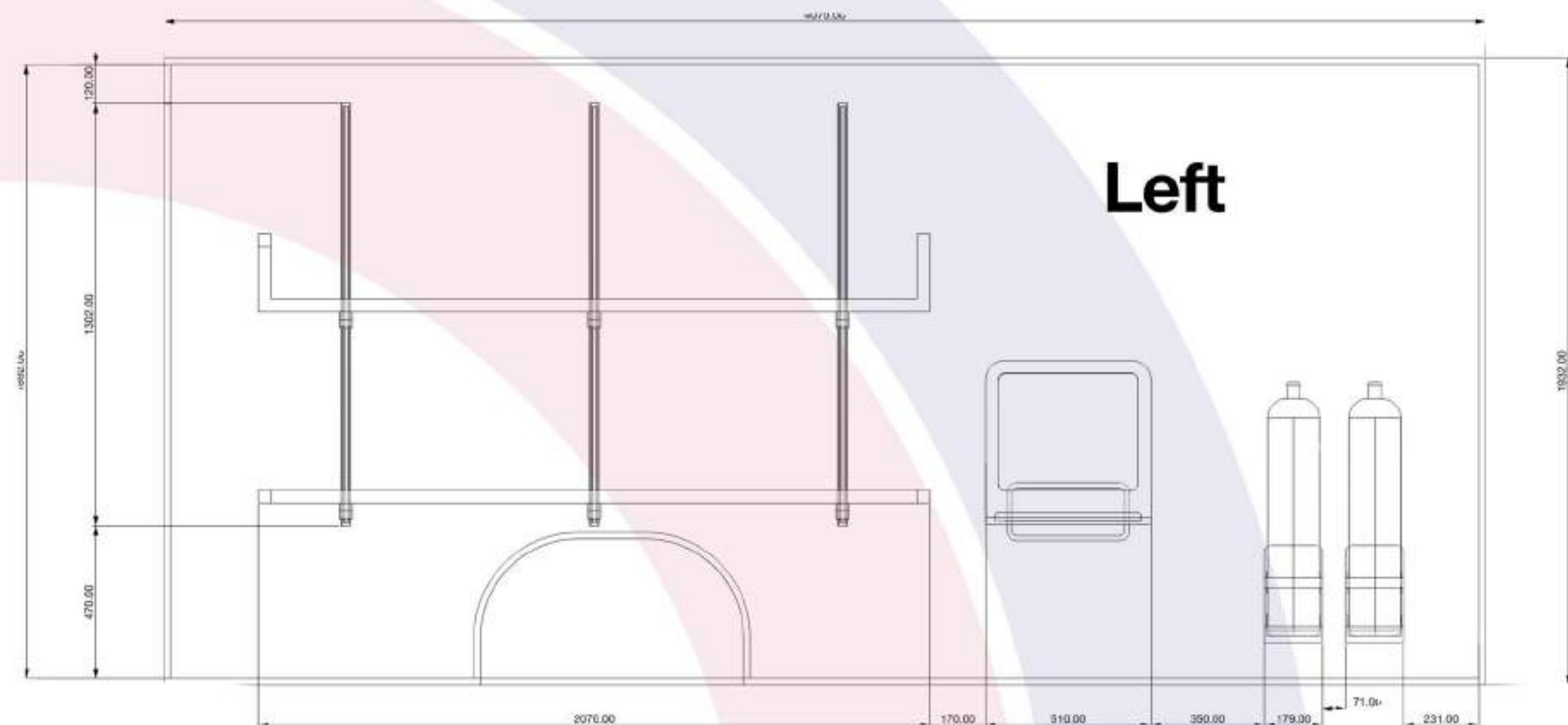
Patient Cabin Plan



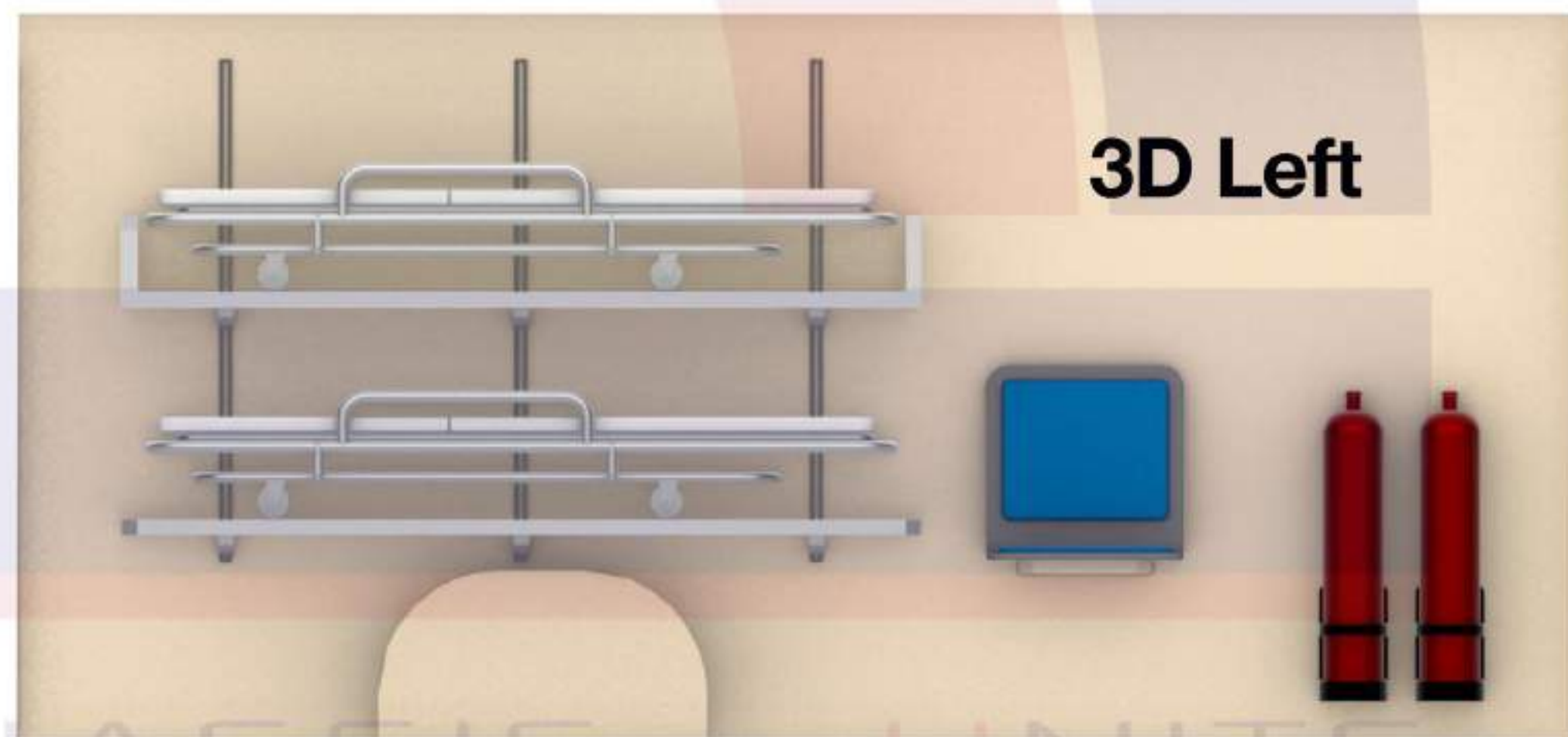
Top



3D Top

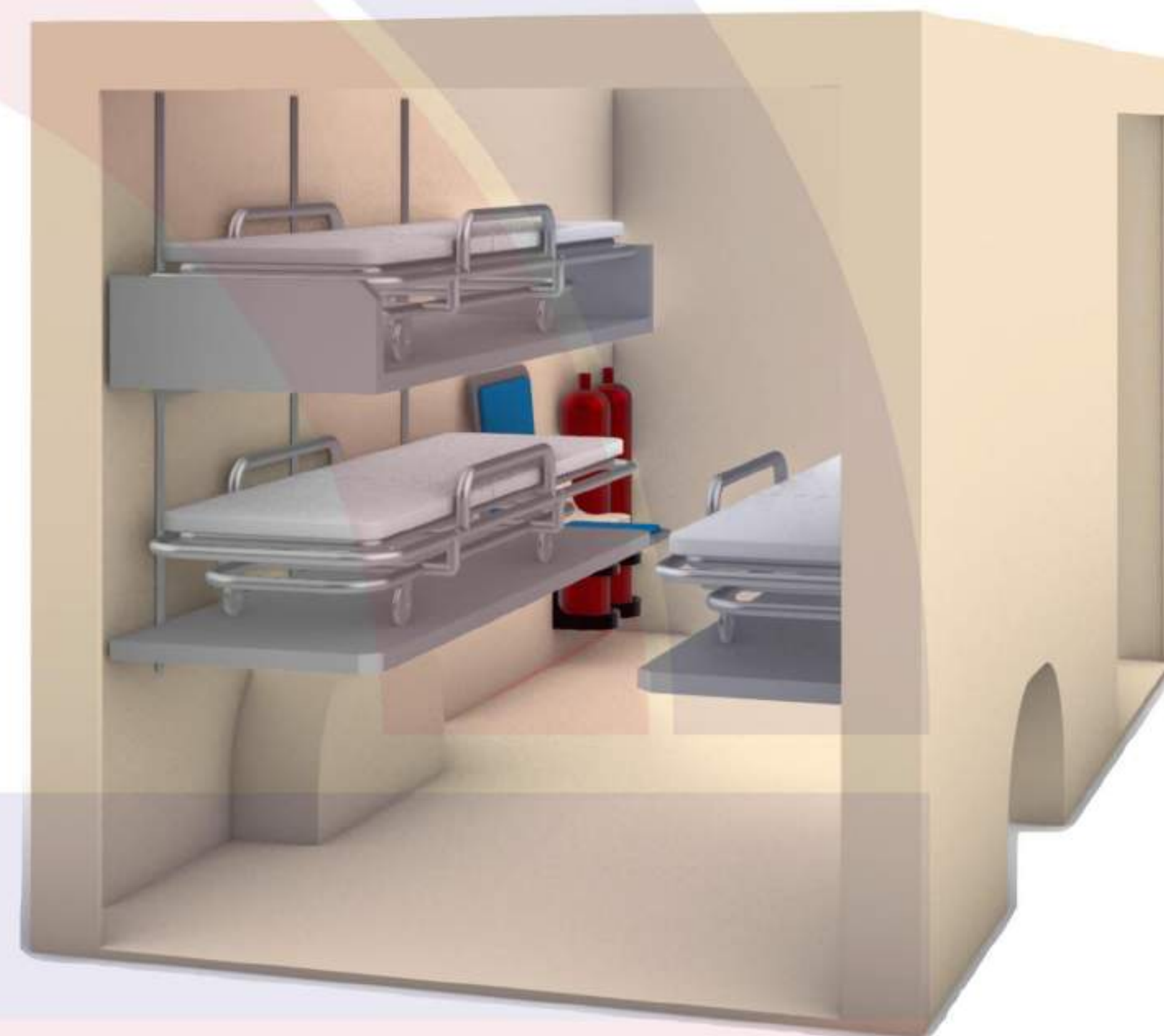
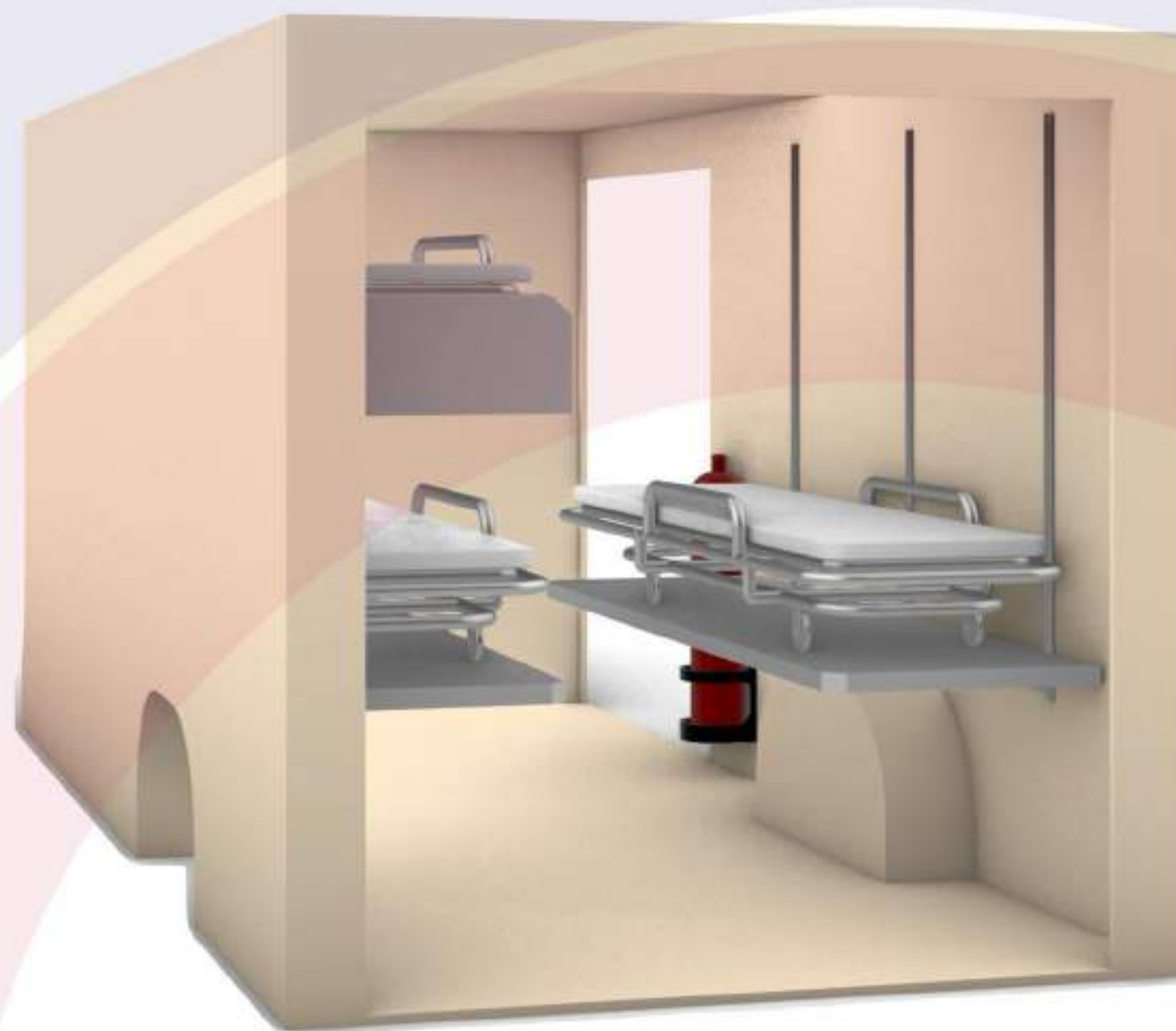
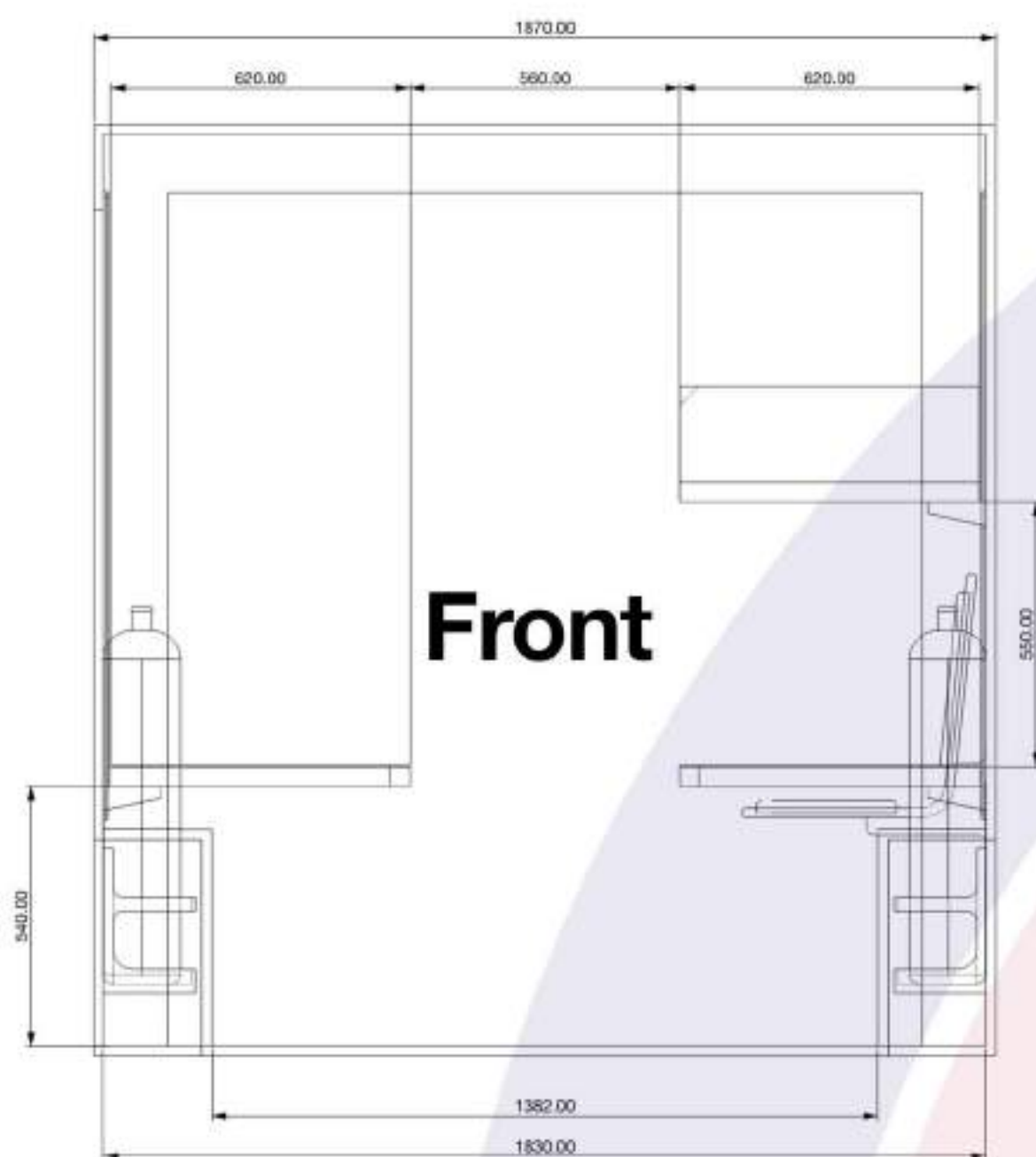


Left

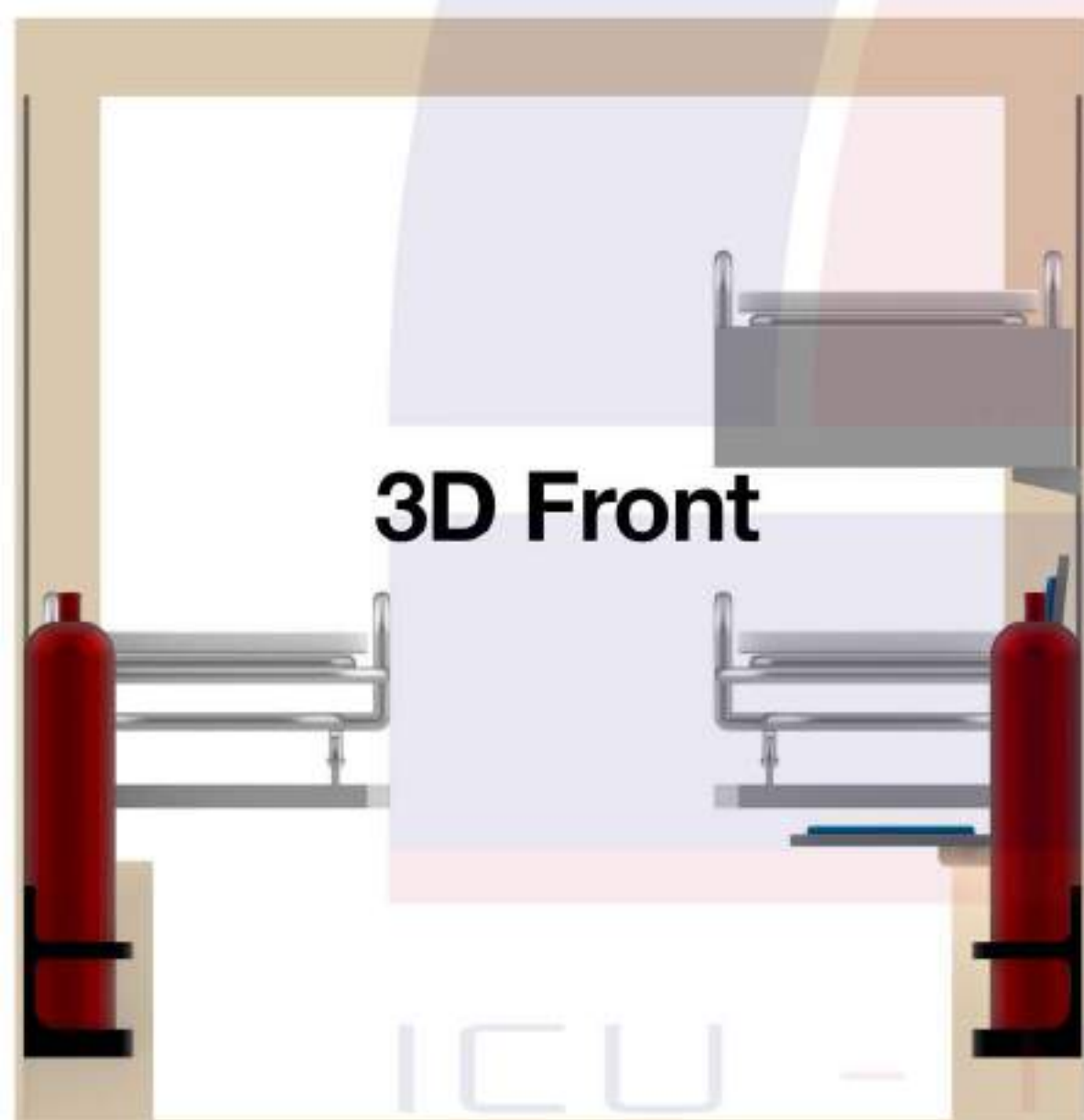


3D Left

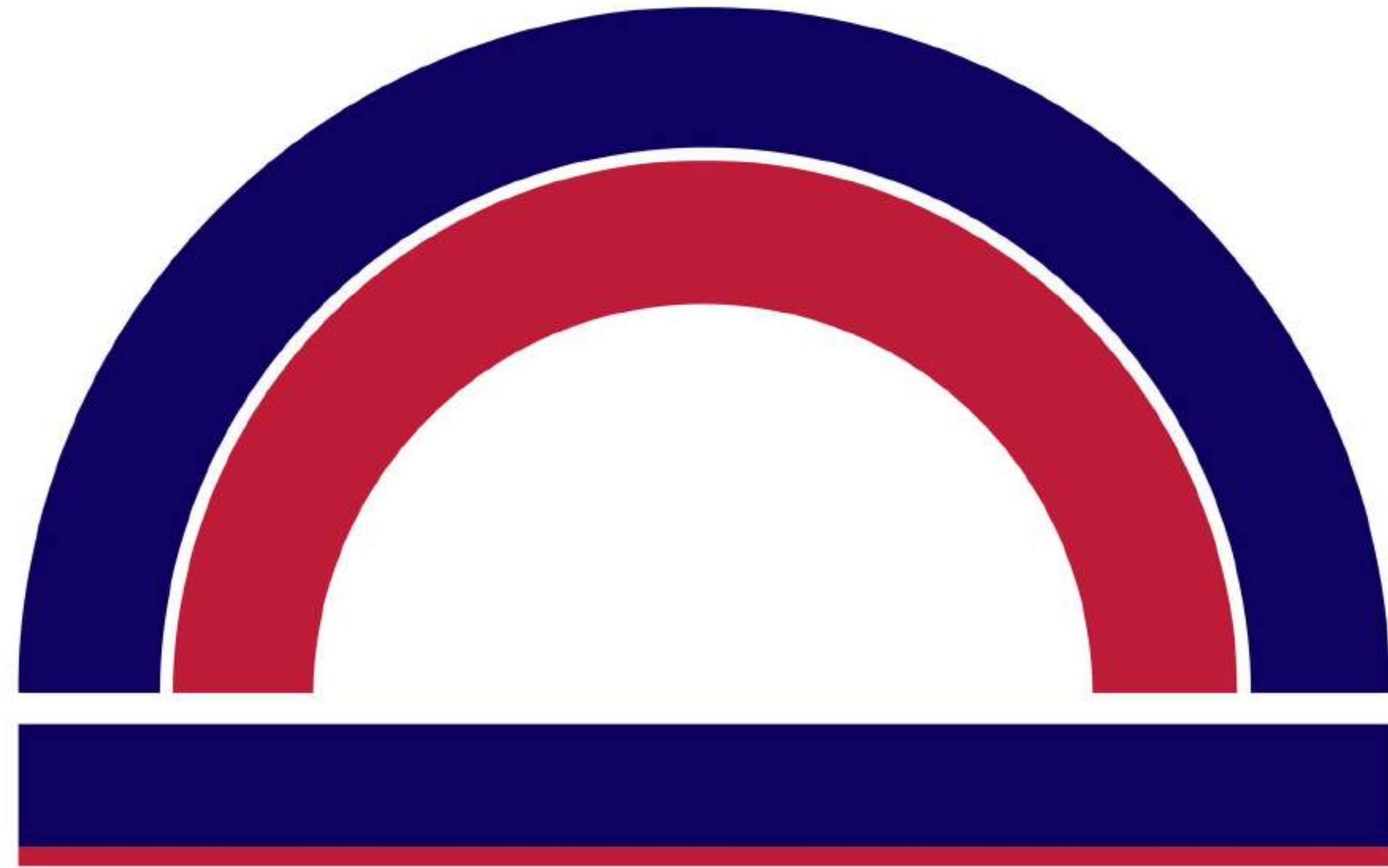
Patient Cabin Plan



3D Front



ICU - INFINITY CHASSIS UNITS



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Thank You!