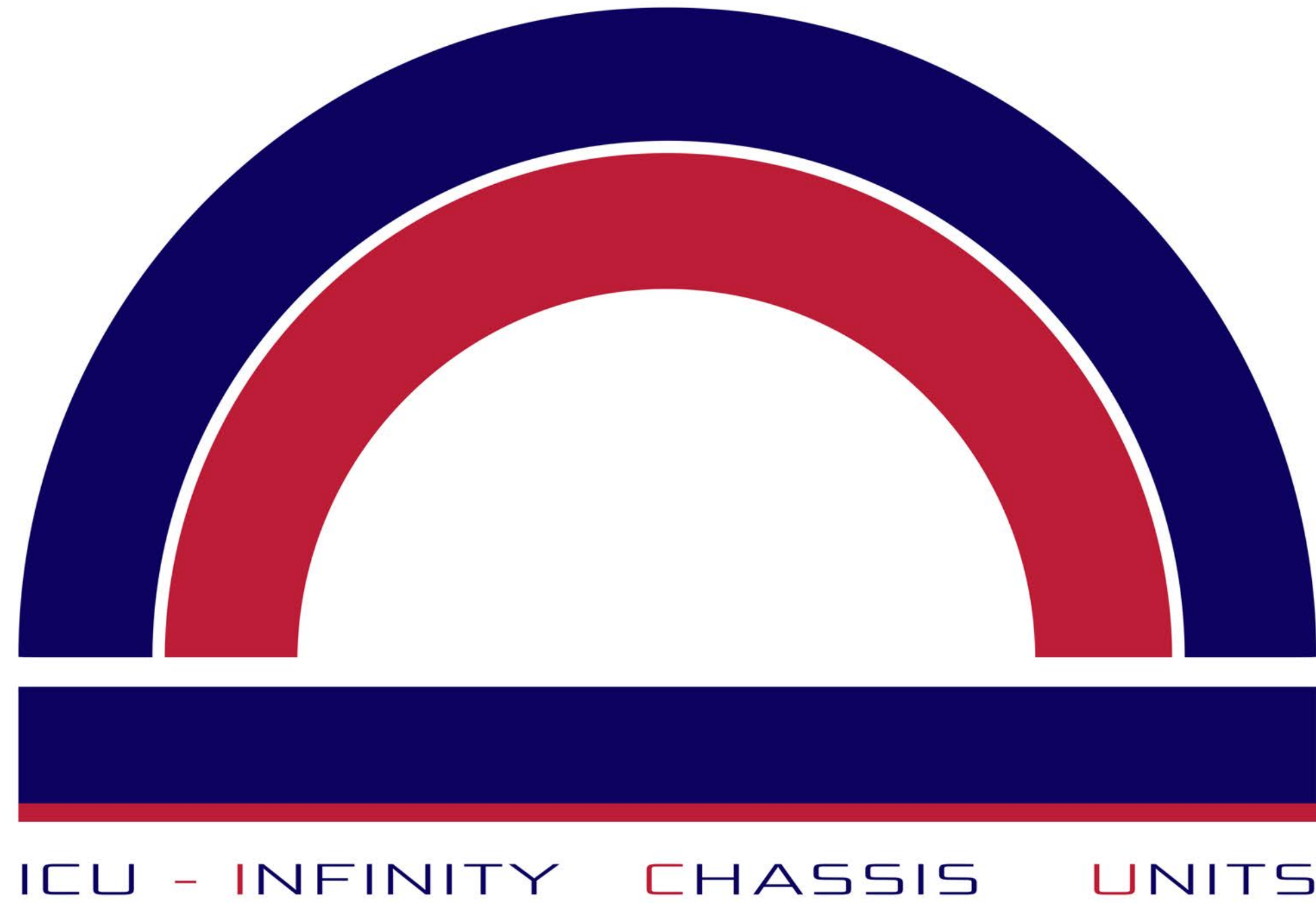


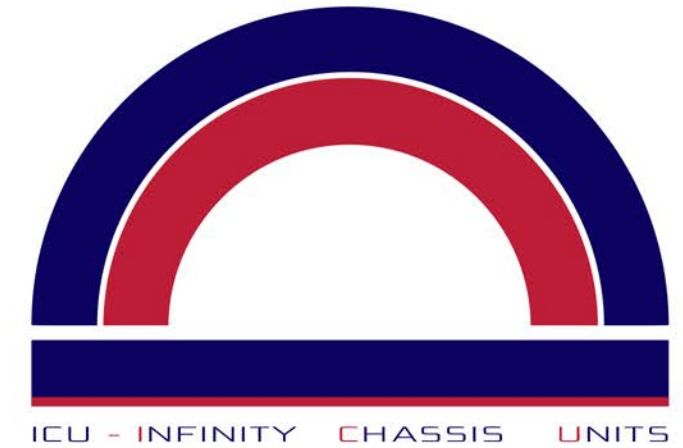


Armored Ambulance

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



YENİCE İNŞAAT DEK. SAN. TİC. TLD. ŞTİ.
Adres: Şişli Mah. 2. Cd. No:26 Kat:1. Kat / Ankara
Tel: 0312 359 13 19 - Fax: 0312 359 31 19
Kuhmavorkazan V.D. 948 006 4448
www.yeniceinsaat.com.tr

BR4 BULLETPROOF STEEL FEATURES

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 SC 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.
- 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.
- 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.
- Bulletproof Facade Profile Finishing:**
 - The profiles used in the bulletproof facade shall be naturally anodized.
- 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:

- 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:

- 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:

- 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:

- 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):

- Bulletproof Compliance: EN 1522-1523 FB4 S
- ISO 9001:2002
- ISO 14001:2002
- ISO 18001:2007
- Capacity Report
- 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.

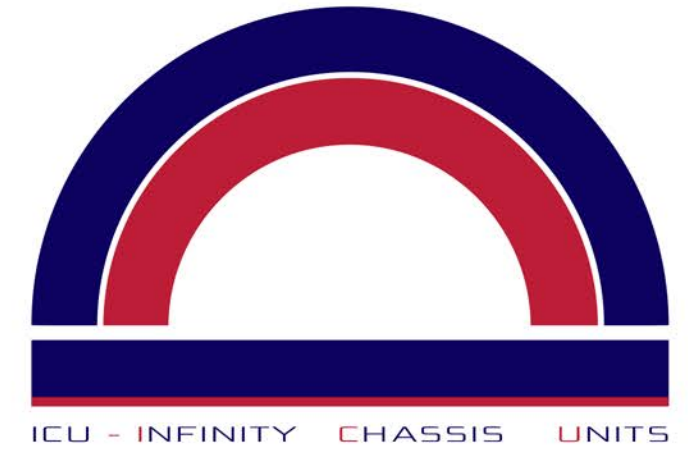
All materials must receive prior approval before manufacturing.

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

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Bulletproof Steel Specifications Documents

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.



CES İLERİ KOMPOZİT VE SAVUNMA TEKNOLOJİLERİ A.Ş.
BALİSTİK TEST LABORATUVARI

Maliyey Anadolu OSB Mah. 11 Cad. No:2 Sincan/ANKARA
Tel: +90 312 384 80 00 Fax: +90 312 384 80 01
E-mail: info@ces.com.tr Web: www.ces.com.tr

Test Raporu
Test Report

AB-1867-T
13399
03-24

Müşterinin adı/adresi: Cratos Defence / Maliyey Anadolu OSB 11. Cadde No: 2 06909 Sincan Ankara, Türkiye
Customer name/address

Talep Numarası: CES24-02-2802
Order no.

Numunenin adı, tarihi ve durumu: Balistik Korumucu Cam
Name, identity and condition of test item

Numunenin kabul tarihi: 04.03.2024
The date of receipt of test item

Test Rapor No: 13399
Number of Test Report

Açıklamalar: -
Remarks

Testin Yapıldığı Tarihi: 06.03.2024
Date of Test

Raporun Sayfa Sayısı: 5
Number of pages of the Report

Test laboratuvarı olarak faaliyet gösteren Ces İleri Kompozit ve Savunma Teknolojileri A.Ş. Balistik Test Laboratuvarı, TÜRKAK'tan (AB-1867-T) ile TS EN ISO/IEC 17025:2017 standardına göre akredite edilmiştir.
Ces İleri Kompozit ve Savunma Teknolojileri A.Ş. Balistik Test Laboratuvarı accredited by TÜRKAK under registration number (AB-1867-T) for TS EN ISO/IEC 17025:2017 as test laboratory

Türk Akreditasyon Kurumu (TÜRKAK) deney raporlarının tanınırılığı konusunda Avrupa Akreditasyon Birliği (EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(IAC) ile karşılıklı tanıma anlaşması imzalamıştır.
Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

Test ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Mühür/Kase: 21.03.2024
Seal

Yayınlandığı Tarih (Gün/Ay/Yıl): 21.03.2024
Date (Day/Month/Year)

Testi Gerçekleştiren: Burak Metin
Person in charge of test

Onaylayan / Approval: 21.03.2024
Taahhüt: Mehmet Beşir Durmaz

CES İLERİ KOMPOZİT VE SAVUNMA TEKNOLOJİLERİ A.Ş.
BALİSTİK TEST LABORATUVARI

AB-1867-T
13399
03-24

VO BALİSTİK MUKAVEMET TESTİ

CES - ADVANCED COMPOSITE TECHNOLOGIES | Müşteri : Cratos Defence
Maliyey Anadolu OSB Mah 11.Cadde No:2 | İş No : CES-2024C224 | Test No : 13399
Sincan / Ankara / TÜRKİYE | Rapor Tarihi : 14.03.2024

Test Panel

Üretici : Cratos Defence | Kompozisyon : Balistik Cam
Proje No : 630 | Tanımlama : Tek Başına
Numune No : C024_L6
Numune Ölçüleri : 500x400 | Ort.Numune Kalınlığı(mm) : 22,26 | Test Tarihi : 06.03.2024
Numune Ağırlığı(kg): 11,968 | Alanal Ağırlığı(kg) : 47,872 | Geliş Nakliye :
Geliş Nakliye :
Test Düzeni

Test Standartı : EN 1063 | Hedef Mesafesi(m) : 5 | Poligon No : NO: 1
Tehdit Seviyesi : B84 | Sahil Levha Mesafesi (mm) : 500 mm | Hız Ölçüm Çıapı : BM5-LS553
Sahil Levha : 0,02 mm Alüminyum Folyo | Hız Hata Payı(m/s) : 440 m/s | Poligon Skalası(°C) : 22,8
Destek Malzeme : - | Hız Hata Payı(m/s) : 110 m/s | Poligon Nem(%) : 34,8
Sartlandırma : Oda Sarti | Namlu : 48 Rm. | Karar Alınma Alanı : 18 KORKUT
Magneum : 18 KORKUT
Ziraretçileri :
Namlu Şip : 18 KORKUT

Mühimmat

Müh. No	Cekirdek İsmi	Mühimmat Lot No	Mühimmat Üretici	Barut Cinsi	Barut Lot No	Barut Üretici
1	48 Rm Mag F3/PN/SC	S68.44	Seller&Reitor	Self Powder	Self Powder	Self Powder

Atış Sonuçları

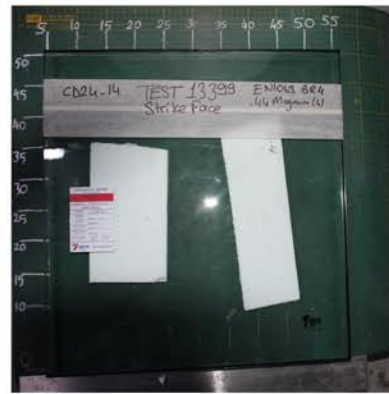
Atış	Müh. No	Cekirdek Ağırlığı (gr)	Zaman (s)	Ölçüm Hızı (m/s)	Temas Hızı (m/s)	Penetrasyon	Deformasyon (mm)	Pen.Açısı (°)	Sapma (°)	İzdeğim
1	1	240		436,2		PP	0	0	0,5	1
2	1	240		441,3		PP	0	0	0,5	2
3	1	240		444,3		PP	0	0	0,5	3

İzdeğimler

1	
2	
3	

Uygulanan Standartlar ve Prosedürler

1	
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CES İLERİ KOMPOZİT VE SAVUNMA TEKNOLOJİLERİ A.Ş.
BALİSTİK TEST LABORATUVARI

AB-1867-T
13399
03-24

4- Ölçüm Belirsizliği
Measurement Uncertainty
NA

5- Ölçüm Sonuçlarının Şartnamelere veya Standartlara Uygunluk Beyanı
Conformity With Requirements or Specifications
NA

6- Fergat Beyanı
Waiver
NA

7- Karar kuralının açık tanımı
Definition of Decision Rule
NA

8- Deney Yönteminden Eklmeler, Çıkmalar ve Sıpmalar
Additions to, Deviations or Exclusions From The Test Method
NA



CES İLERİ KOMPOZİT VE SAVUNMA TEKNOLOJİLERİ A.Ş.
BALİSTİK TEST LABORATUVARI

AB-1867-T
13399
03-24

4- Ölçüm Belirsizliği
Measurement Uncertainty
NA

5- Ölçüm Sonuçlarının Şartnamelere veya Standartlara Uygunluk Beyanı
Conformity With Requirements or Specifications
NA

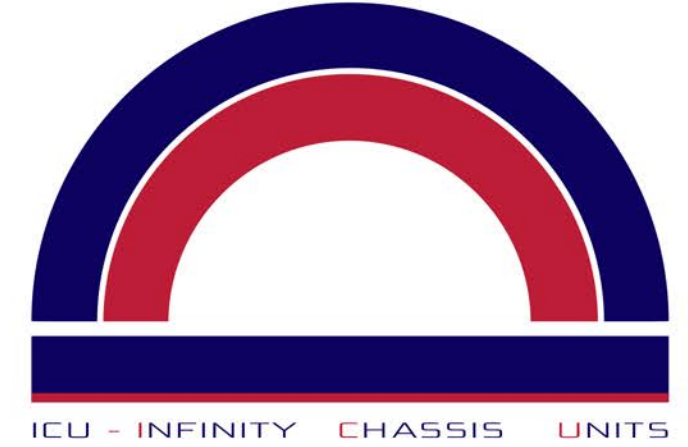
6- Fergat Beyanı
Waiver
NA

7- Karar kuralının açık tanımı
Definition of Decision Rule
NA

8- Deney Yönteminden Eklmeler, Çıkmalar ve Sıpmalar
Additions to, Deviations or Exclusions From The Test Method
NA

Glass Test Documents

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

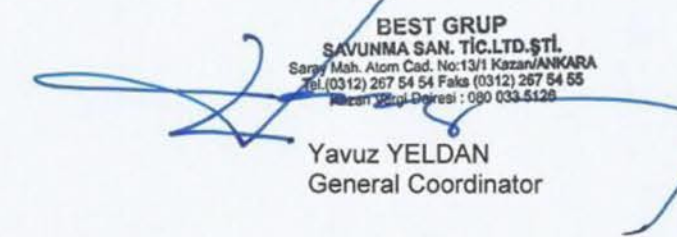
Of Interest: (a) Undersecretariat of Defence Industry EGM ZYA convention (SSM SZ:041) Technical Specification Document (TOD)

(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.

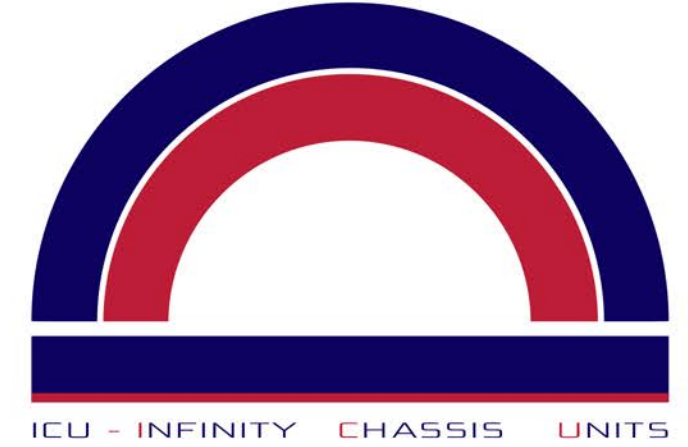
20.03.2017


BEST GRUP
SAVUNMA SAN. TIC.LTD.ŞTİ.
Saray Mah. Atom Cad. No:13/1 Kat:ANKARA
Tic. Sic. No: 267 54 54 Faks: (0312) 267 54 55
E-posta: info@best-grup.com
Yavuz YELDAN
General Coordinator

Best Grup Savunma Sanayi Ticaret Limited Şirketi
Saray Mah. Atom Cad. No:13/1-2 Kahramankazan / ANKARA
Tel: 0312 267 54 54 Fax: 0312 267 54 55 e-posta: info@best-grup.com www.best-grup.com

Tires Test Report

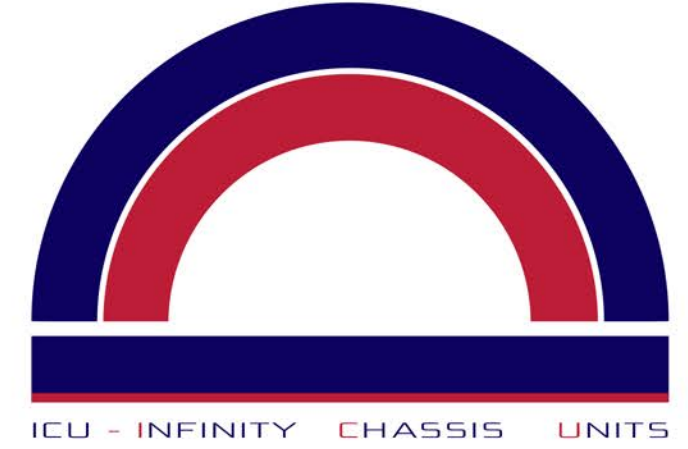
Suspension Reinforcement



- **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.

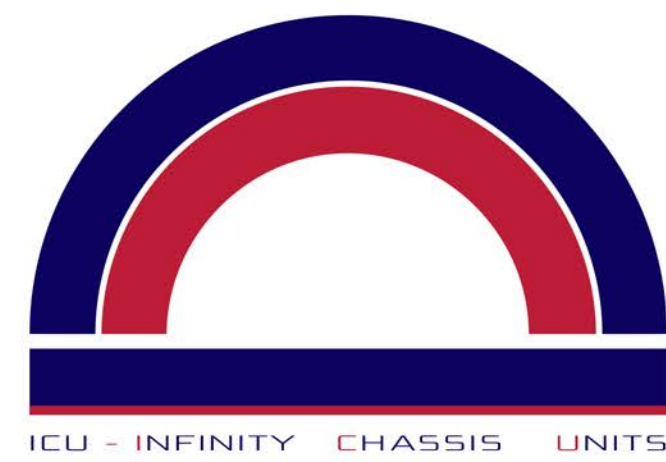


Brake Reinforcement



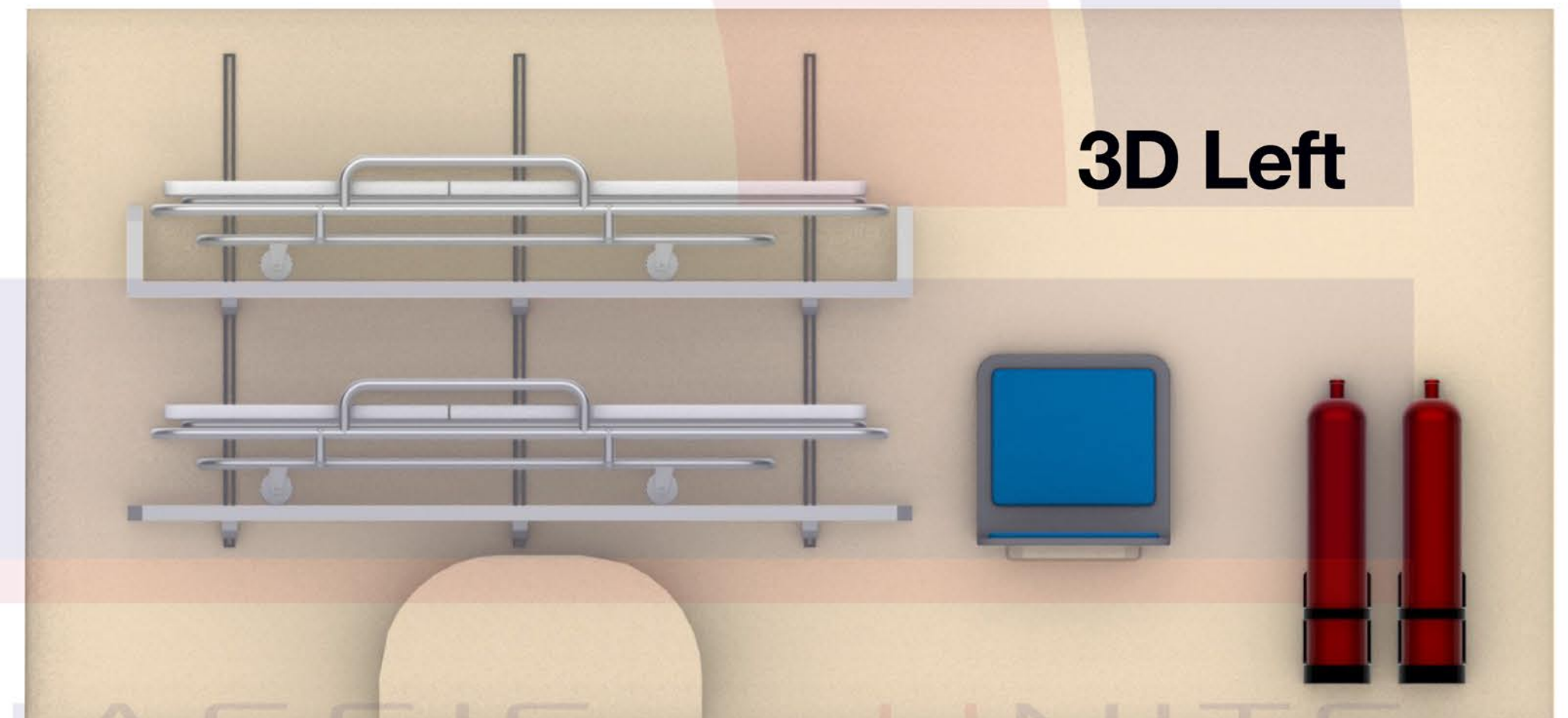
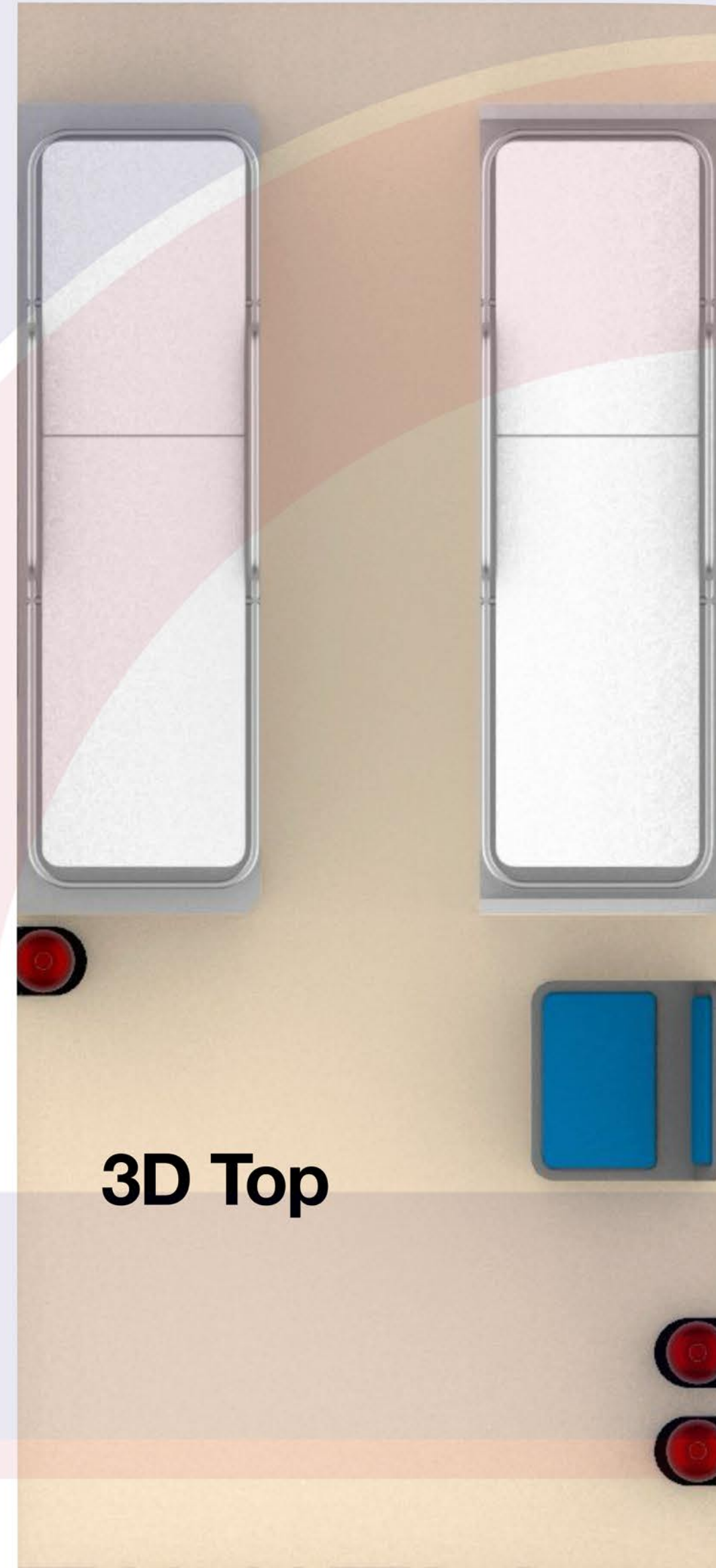
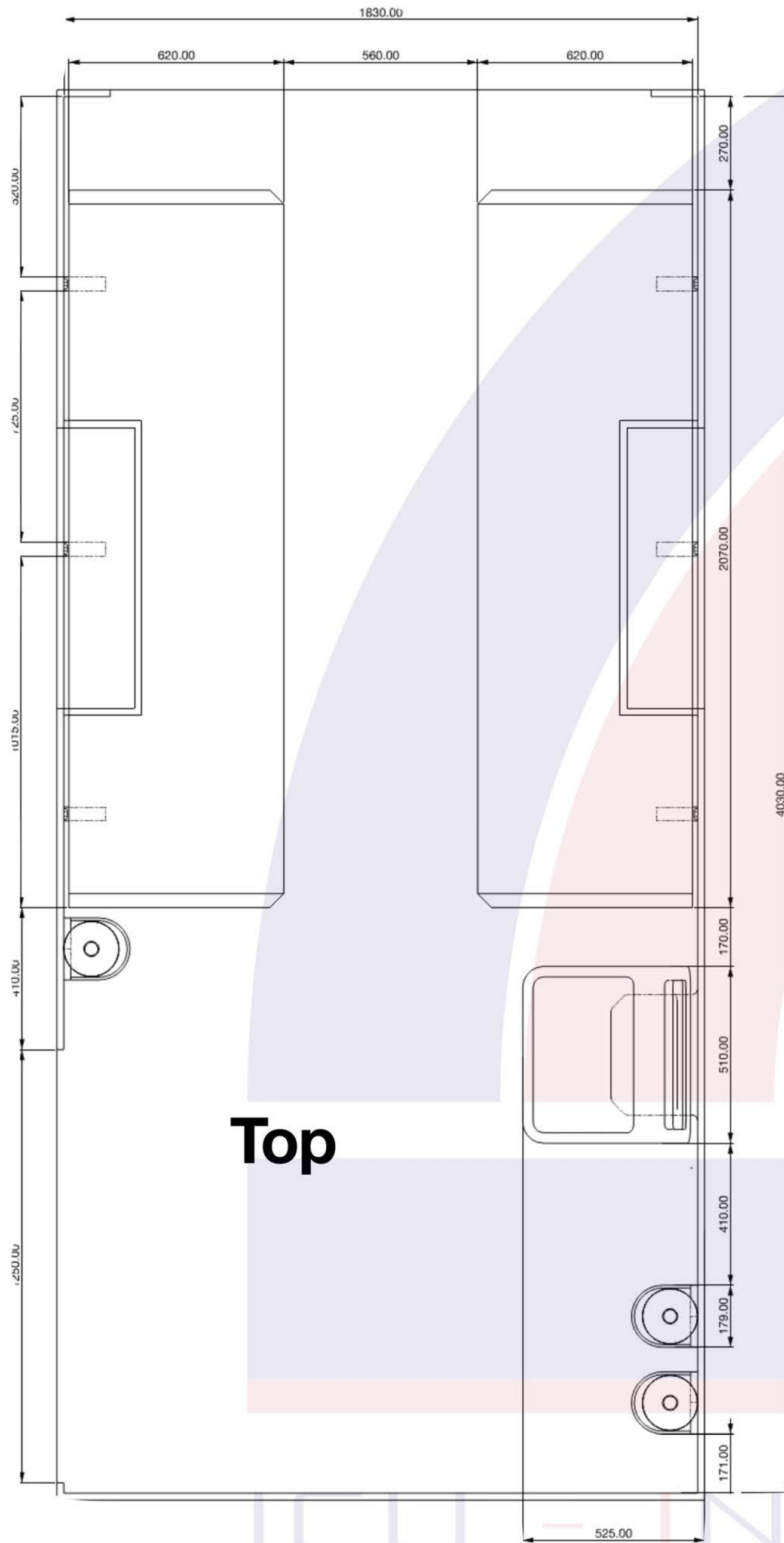
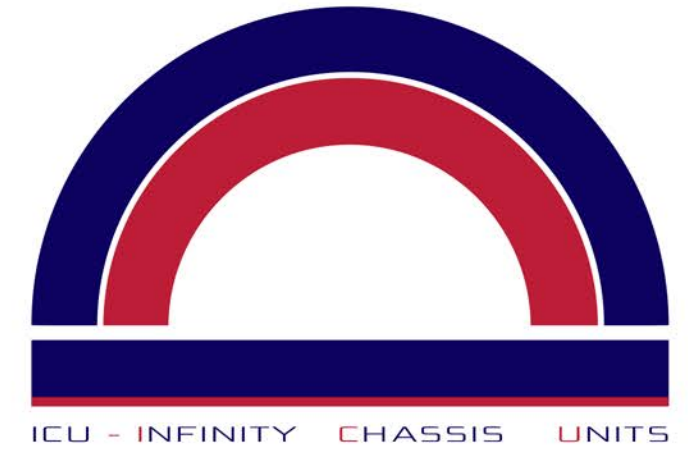
- **Larger, Thicker Brake Discs:** These high-performance discs offer more surface area, dissipating heat and preventing brake fade during intense use.
- **High-Performance Brake Pads:** Semi-metallic or ceramic pads withstand high temperatures and deliver consistent braking power.
- **Upgraded Brake 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.



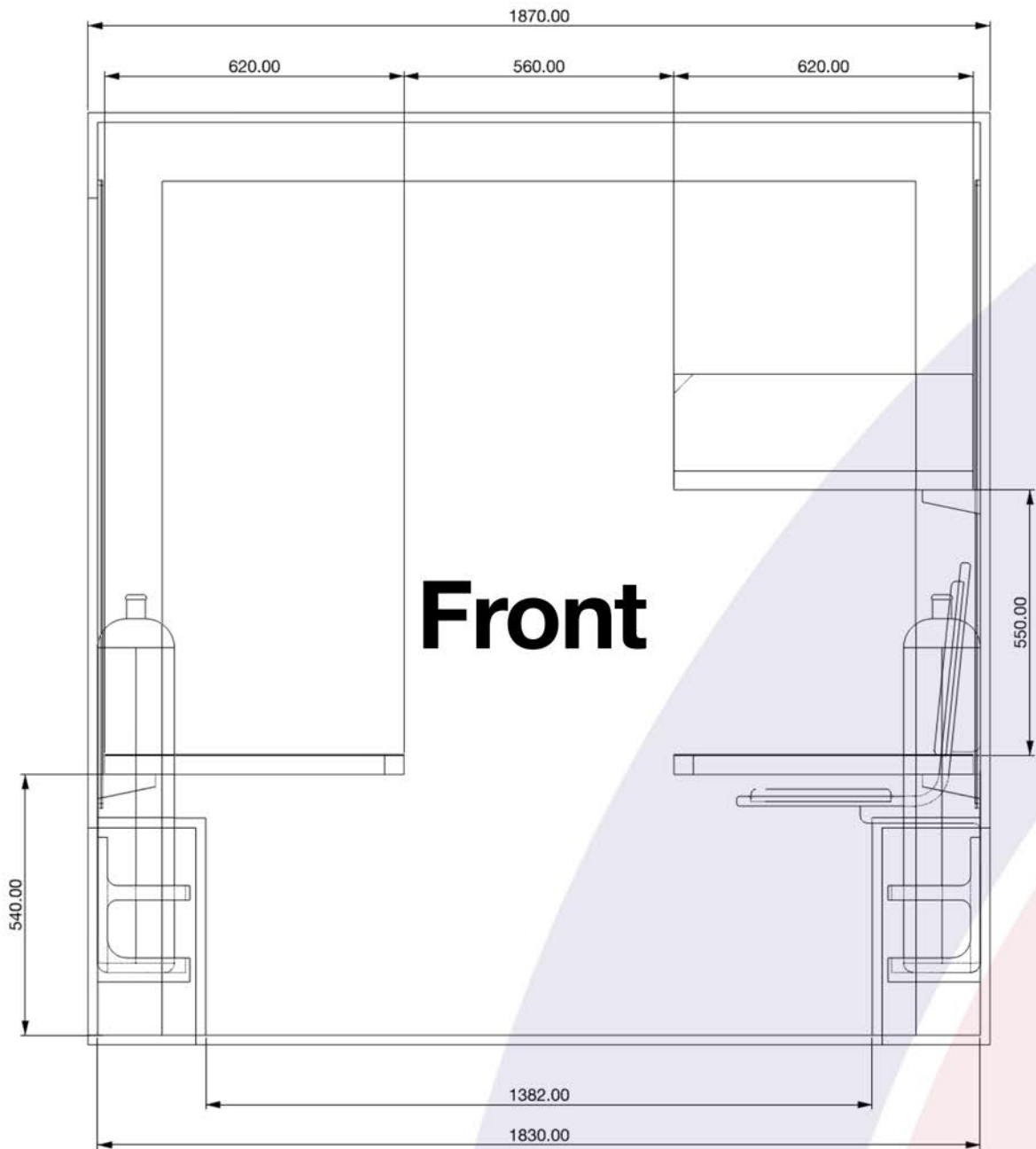
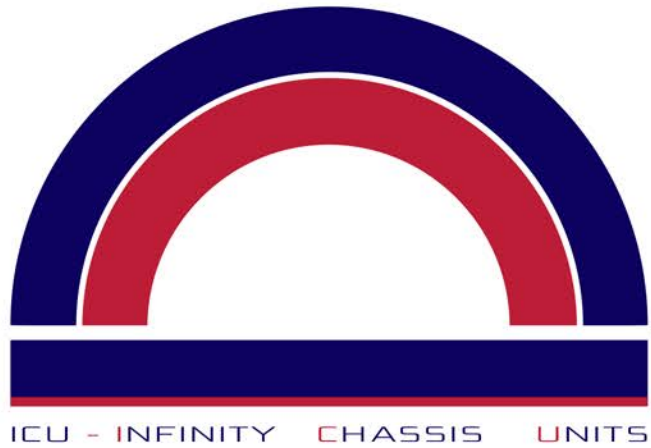


Certificates

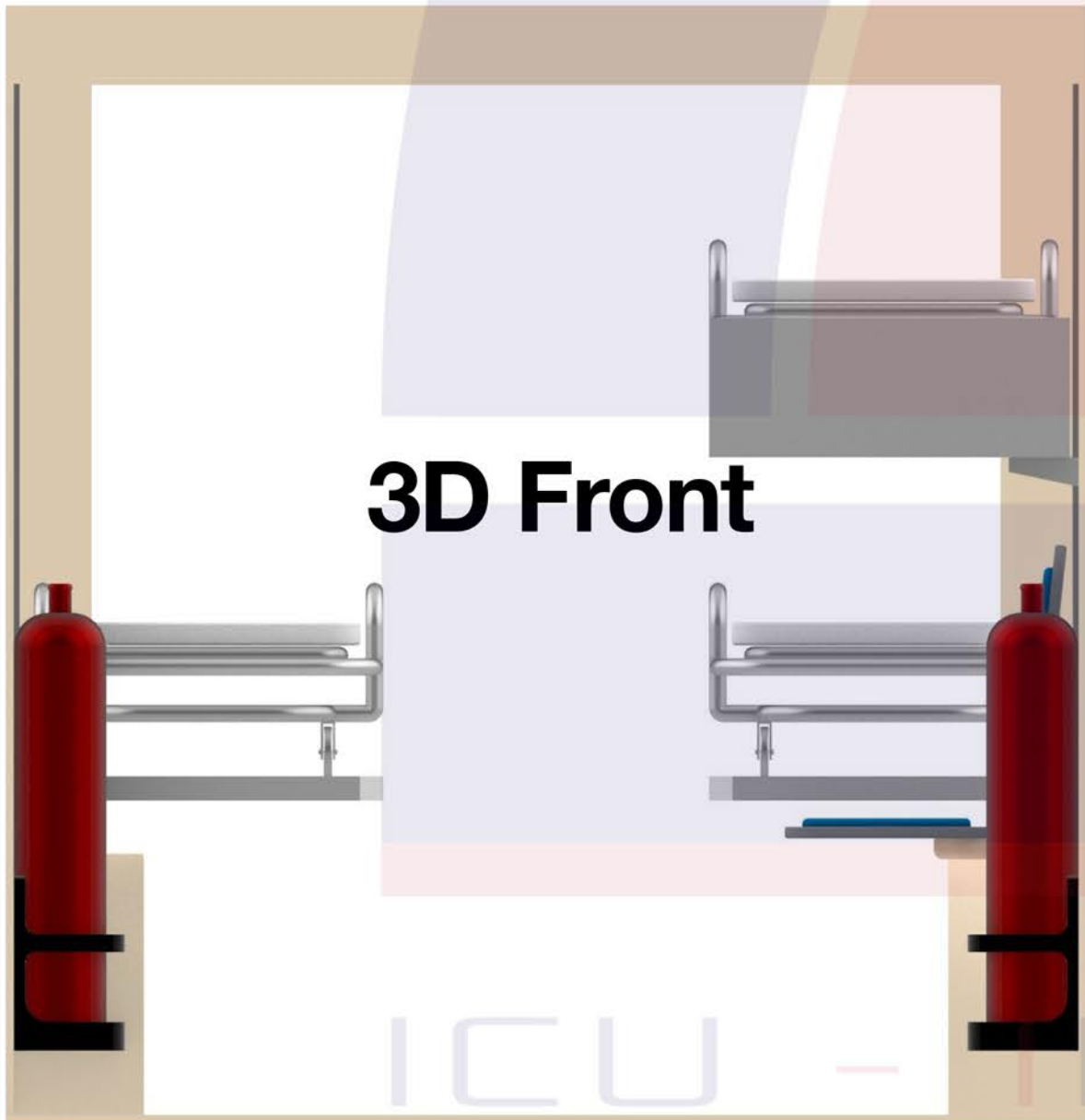
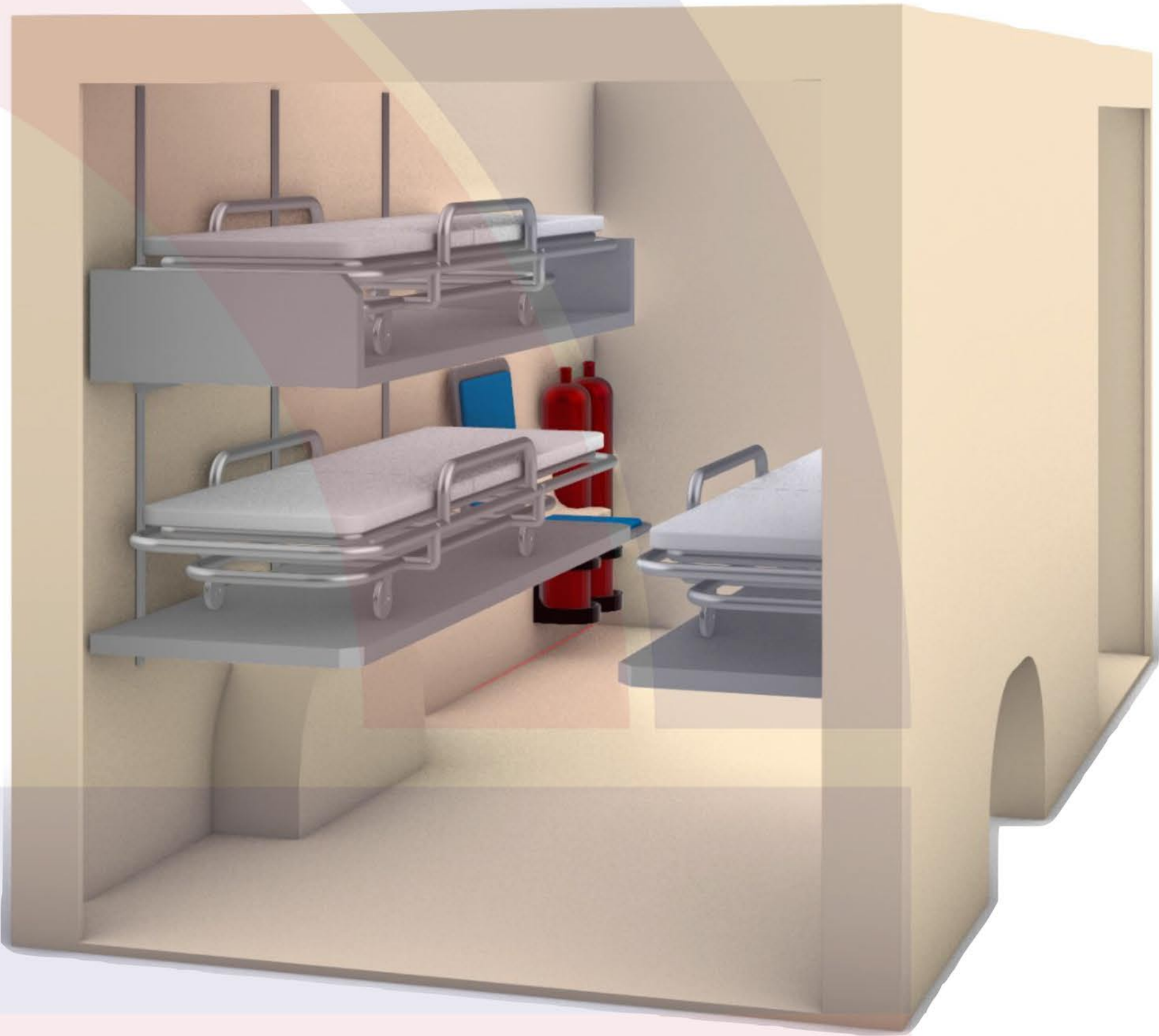
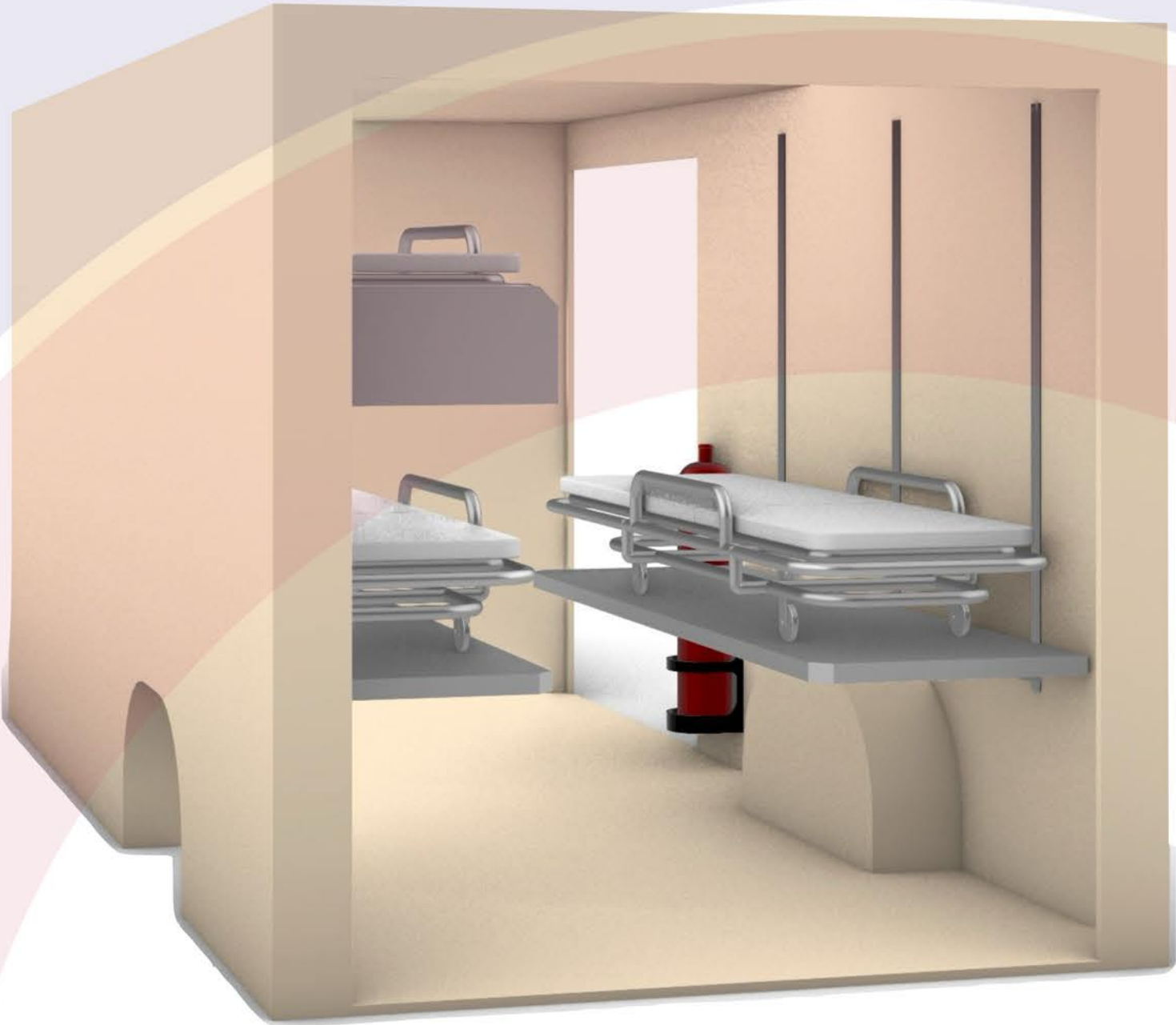
Patient Cabin Plan



Patient Cabin Plan

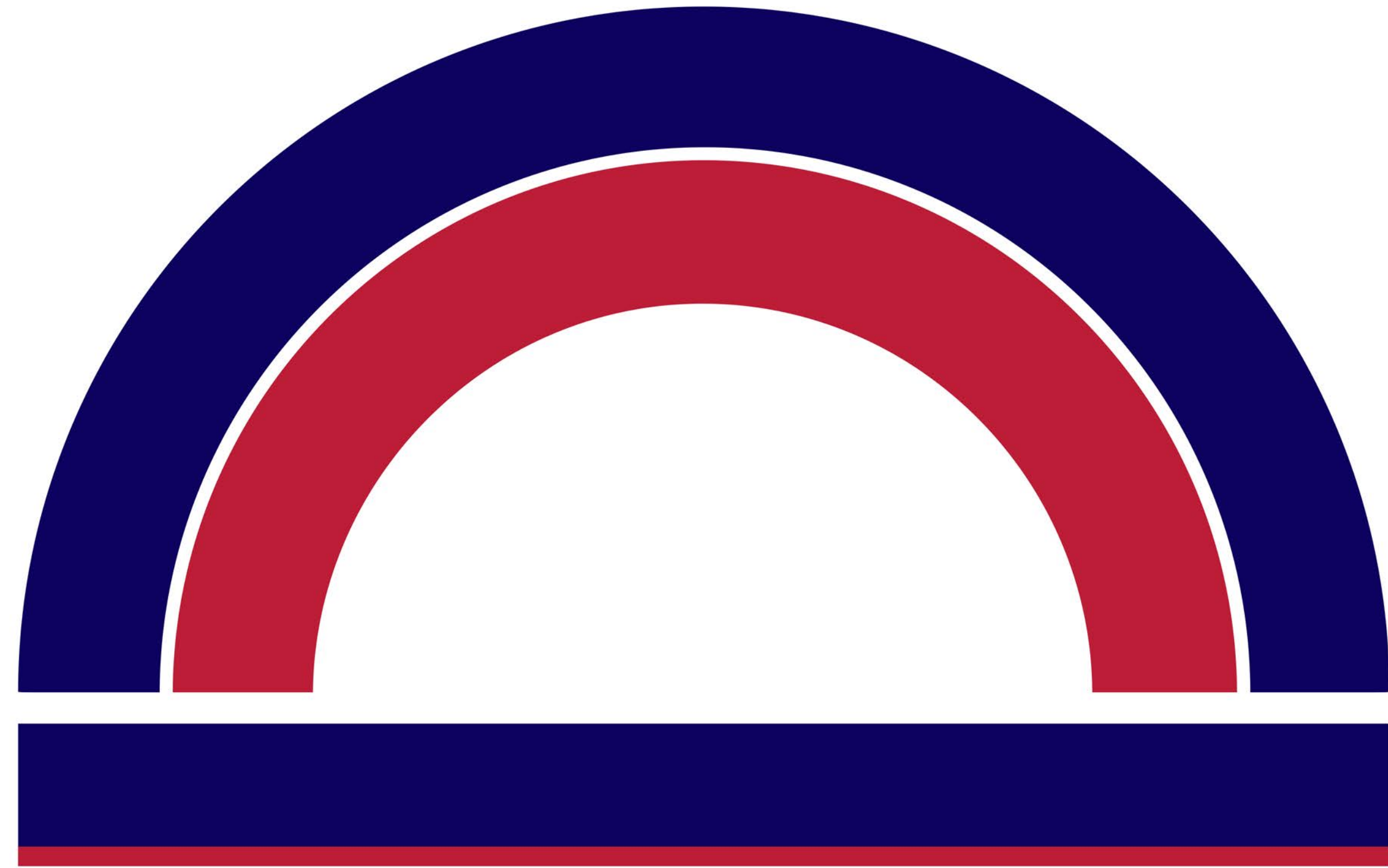


Front



3D Front





ICU - INFINITY CHASSIS UNITS

Thank You!