EC TYPE-APPROVAL CERTIFICATE

Communication concerning:	Of a Type of:
~~EC type-approval~~ (1)	~~complete vehicle~~ (1)
extension of EC type-approval (1)	completed vehicle (1)
~~refusal of EC type-approval~~ (1)	~~incomplete vehicle~~ (1)
~~withdrawal of EC type-approval~~ (1)	~~vehicle with complete and incomplete variants~~ (1)
	~~vehicle with completed and incomplete variants~~ (1)

with regard to Directive 2007/46/EC as last amended by Commission Regulation (EU) No. 2019/543

EC type-approval No: e5*2007/46*1378*03

Reason(s) for Extension: To Cover:
1. Update stage 1 approval from e3*2007/46*0049*25 to e3*2007/46*0049*29
2. Update statutory plate drawing and location
3. Update RMI declaration.
4. Part II Updated
5. Part III Updated
6) Correction of points 0.5 and 0.8 in the certificate
7) Editorial changes in the certificate
8) Change of commercial name

SECTION I

0.1. Make (trade name of manufacturer): Wilker Group

0.2. Type: WVFD

0.2.1 Commercial name(s) (2): Fiat Ducato Van Ambulance

0.3. Means of identification of type, if marked on the vehicle: Manufacturer Vehicle Identification Number

0.3.1. Location of that marking: See information document

0.4. Category of vehicle (3): M1 SC

0.5. Company name and address of manufacturer of the ~~complete~~/completed vehicle (1)

Wilker Auto Conversions Ltd
Frederick Street
Clara
Co. Offaly
Ireland.
Eir Code R35 YD65

0.5.1. For multi-stage approved vehicles, company name and address of the manufacturer of the base/previous stage(s) vehicle

FCA Italy S.p.A
Corso Giovanni Agnelli 200
10135 Torino
Italy

0.8. Name(s) and address(es) of assembly plant(s):

Wilker Auto Conversions Ltd
Frederick Street
Clara
Co. Offaly
R35 YD65
Ireland

Wilker UK Limited
Units 1 & 2
Millbuck Park
Millbuck Way
Spring Vale Industrial Estate
Sandbach
Cheshire
CW11 3HT
United Kingdom

0.9. Name and address of the manufacturer's representative (if any): Not applicable

SECTION II

The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle(s) described above ((a) sample(s) having been selected by the EC type-approval authority and submitted by the manufacturer as prototype(s) of the vehicle type) and that the attached test results are applicable to the vehicle type.

1. For ~~complete and~~ completed vehicles / variants (1):

The vehicle type meets / ~~does not meet~~ (1) the technical requirements of all the relevant regulatory acts as prescribed in ~~Annex IV and~~ Annex XI (1) (4) to Directive 2007/46/EC.

2. ~~For incomplete vehicles / variants~~ (1):

~~The vehicle type meets / does not meet (1) the technical requirements of the regulatory acts listed in the table on side 2.~~

3. The approval is GRANTED / ~~REFUSED~~ / ~~WITHDRAWN~~ (1)

4. ~~The approval is granted in accordance with Article 20 and the validity of the approval is thus limited to dd/mm/yy.~~

Place: Borlänge

Signature: Anita Savarin

Anita Savarin
Type Approval Certification Officer

Date: 20 OCTOBER 2021

Attachments: Information package.

~~Test results (see Annex VIII).~~

~~Test report~~

Name(s) and specimen(s) of the signature(s) of the person(s) authorised to sign certificates of conformity and a statement of their position in the company.

NB: If this model is used for type-approval pursuant to Articles 20, 22 or 23, it may not bear the heading, "EC Vehicle Type-Approval Certificate" except:

- in the case mentioned in Article 20 where the Commission has decided to allow a Member State to grant a type-approval in accordance with this Directive.
- In the case of vehicles of the category M1, type-approved according to the procedure prescribed in Article 22.

Side 2

This EC type-approval is, where incomplete and completed vehicles, variants or versions are concerned, based on the approval(s) for incomplete vehicles listed below:

Stage 1: Manufacturer of the base vehicle: FCA Italy S.p.A

EC type-approval number: e3*2007/46*0049*29
Dated: 03 February 2021
Applicable to variants or versions (as appropriate):
Variant: ELBFC
Version: LELR2

Stage 2: Manufacturer: Not applicable

EC type-approval number:
Dated:
Applicable to variants or versions (as appropriate):

Stage 3: Manufacturer: Not applicable

EC type-approval number:
Dated:
Applicable to variants or versions (as appropriate):

In the case where the approval includes one or more incomplete variants or versions (as appropriate), list those variants or versions (as appropriate) which are complete or completed.

Complete / completed variant(s): Not applicable

List of requirements applicable to the approved incomplete vehicle type, variant or version (as appropriate, taking account of the scope and latest amendment to each of the regulatory acts listed below).

Item	Subject	Regulatory act reference	Last amended	Applicable to variant or, if need be, to version

(List only subjects for which an EC type-approval exists)

In the case of special purpose vehicles, exemptions granted or special provisions applied pursuant to Annex XI ~~and exemptions granted pursuant to Article 20~~:

Regulatory act reference	Item Number	Kind of approval and nature of exemption	Applicable to variant or, if need be, to version
Directive 70/157/EEC	1	Annex XI, exemption G	ALL
Directive EC/715/2007	2	Annex XI, exemption G	ALL
UNECE Regulation 79	5A	Annex XI, exemption G	ALL
UNECE Regulation No 46	8A	Annex XI, exemption G	ALL
UNECE Regulation 13H	9A	Annex XI, exemption G and A_1	ALL
UNECE Regulation 21	12A	Annex XI, exemption G and C	ALL
Directive 74/61/EEC	13	Annex XI, exemption G	ALL
UNECE Regulation 12	14A	Annex XI, exemption G	ALL
UNECE Regulation 17	15A	Annex XI, exemption G and D	ALL
UNECE Regulation 26	16A	Annex XI, exemption G, A + Z	ALL
UNECE Regulation 14	19A	Annex XI, exemption G + L	ALL
UNECE Regulation 48	20A	Annex XI, exemption A, G and N	ALL
UNECE Regulation 16	31A	Annex XI, exemption G + M	ALL
UNECE Regulation 125	32A	Annex XI, exemption G	ALL
Regulation (EU) No 672/2010	34A	Annex XI, exemption G(5)	ALL
Regulation (EU) No 1008/2010	35A	Annex XI, exemption G(6)	ALL
Regulation (EU) No 1009/2010	37A	Annex XI, exemption G	ALL
UNECE Regulation 43	45A	Annex XI, exemption G + J	ALL
Regulation (EU) No 458/2011	46A	Annex XI, exemption G	ALL
Directive 2006/40/EC	61	Annex XI, exemption G(14)	ALL
Regulation (EU) No 65/2012	64	Annex XI, exemption G	ALL
UNECE Regulation 97	68	Annex XI, exemption G	ALL

(1) Delete where not applicable.
(2) If not available at the time of granting the type-approval, this item shall be completed at the latest when the vehicle is introduced on the market.
(3) As defined in Annex II.A.
(4) See side 2.

Annex 1 Information Document

*2020/683 ANNEX I Document
European Type Approval Framework Directive 2007/46
as amended by (EU) 2019/543
Complete List of Information for the purpose of
UK(NI) Type-Approval of Vehicles

Multi Stage Approval. Stage 2

VCA Job Number:	VWY541736-XLY001968		
Application Date:	25-08-2021		
Stage 1	Vehicle Type:	Fiat Ducato	
	Category	N2	
	Emissions Legislation & Code	Euro 6	
	Gross Vehicle Mass	2260	kg
Stage 2	Vehicle Type:	WVFD	
	Category	M1 SC Van Ambulance	
	Gross Vehicle Mass	4145	kg
Latest Base Vehicle Approval:	e3*2007/46*0049*29		
Present Second Stage Approval Level:	e5*2007/46*1378*02		
Second Stage Approval Extension to Level:	*03		

Reasons for Extension:

1.) Update stage 1 approval from e3*2007/46*0049*25 to e3*2007/46*0049*29
2.) Update statutory plate drawing and location.
3.) Update RMI declaration.
4.) Part II Updated
5.) Part III Updated

Contents:

Attachments:

For each item listed on the Part III List, an Appendix should be detailed

Note: Amendments at this extension marked by underlining/Shading

History table

e5*2007/46*1378*Ext 01	1.) Update Stage 1 approval to cover latest stage extension e3*2007/46*0049*24. 2.) Previous Extension was for NWAS, need to add SECAS 3.) Individual Lights fitted to front and rear Light Pods - previously Lightbars. 4.) All external Lights are from different suppliers for SECAS build – All listed in Drawings and EMC Component list. 5.) V.B. Air Suspension fitted to rear axle to lower rear of vehicle, - previously

	Hydrakneel system was fitted previously. 6.) Forward Facing Seats row 3 & row 4 replaced Jany 862 Seats. Ref VOSC Test Report Section. 7.) ATSR Control System fitted to SECAS Van build - previously Carnation was fitted to NWAS build. 8.) TVV has been updated since last Extension. 9.) Addition of WLTP Emissions report.
e5*2007/46*1378* Ext 02	1.) Addition of NWAS version 2.) Updated TVV Matrix - Removed all non-essential versions from TVV matrix that are not relevant to this approval. 3.) Rear door glass windows added to NWAS 4.) Electrical Inverter & Isolation Transformer added to NWAS Van Ambulance 5.) Updated Certificate of Conformity format and information document format, for updating to 2018/858 6.) Updated Part II 7.) Updated Part III 8.) Updated base vehicle approval
e5*2007/46*1378* Ext 03	1.) Update stage 1 approval from e3*2007/46*0049*25 to e3*2007/46*0049*29 2.) Update statutory plate drawing and location. 3.) Update RMI declaration. 4.) Part II Updated 5.) Part III Updated

0.	**GENERAL**	
0.1.	Make (trade name of manufacturer):	Wilker Group
0.2.	Type:	WVFD
0.2.0.1.	Chassis:	Panel Van
0.2.0.2.	Bodywork/complete vehicle:	Fiat Ducato Van Ambulance
0.2.1.	Commercial name(s) (if available):	Fiat Ducato Van Ambulance
0.2.2.	For multi-stage approved vehicles, type-approval information of the base/previous stage vehicle (list the information for each stage. This can be done with a matrix)	
	Type:	250
	Variant(s):	ELBFC
	Versions(s):	LELR2
	Number of the type-approval certificate including extension number:	e3*2007/46*0049*29
0.2.2.1.	Allowed Parameter Values for multistage type approval to use the base vehicle emission values (insert range if applicable) (y):	
	Final Vehicle mass in running order (in kg): …	3770kg
	Frontal area for final vehicle (in cm2): …	67.76 cm2
	Rolling resistance (kg/t): …	7.4
	Cross-sectional area of air entrance of the front grille (in cm2): …	10.20
0.2.3.	Identifiers (y):	
0.2.3.1.	interpolation family's identifier: …	No change from Stage 1
0.2.3.2.	ATCT family's identifier: …	No change from Stage 1
0.2.3.3.	PEMS family's identifier: …	No change from Stage 1
0.2.3.4.	Roadload family's identifier	No change from Stage 1
0.2.3.4.1.	Roadload family of VH: …	No change from Stage 1
0.2.3.4.2.	Roadload family of VL: …	No change from Stage 1
0.2.3.4.3.	Roadload families applicable in the interpolation family: …	No change from Stage 1
0.2.3.5.	Roadload families applicable in the interpolation family: …	No change from Stage 1
0.2.3.6.	Periodic regeneration family's identifier: …	No change from Stage 1
0.2.3.7.	Evaporative test family's identifier: …	No change from Stage 1
0.2.3.8.	OBD family's identifier: …	No change from Stage 1
0.2.3.9.	other family's identifier: … [2018/183215]	No change from Stage 1
0.3.	Means of identification of type, if marked on the vehicle/component/separate technical unit (1) (b): [2015/166-16]	Special Purpose Vehicles (SPVs) are permitted to carry across the values from the base vehicle (as provided for by footnote G in the tables in Annex XI of 2007/46/EC).
0.3.0.1.	Chassis:	As Stage 1 Base vehicle Chassis Plate riveted to front cross member.
0.3.0.2.	Bodywork/complete vehicle:	Statutory Plate riveted to Front Cross member.
0.3.1.	Location of that marking:	Front Cross Member
0.3.1.1.	Chassis:	As previous approval Section: 0.6
0.3.1.2.	Bodywork/complete vehicle:	As previous approval Section: 0.6
0.4.	Category of vehicle (c):	M1 SC
0.4.1.	Classification(s) according to the dangerous goods	N/A

	which the vehicle is intended to transport:	
0.5.	Company Name and address of manufacturer:	Wilker Auto Conversions – T/A Auto Conversions Frederick Street Clara County Offaly Ireland
0.5.1.	For multi-stage approved vehicles, company name and address of the manufacturer of the base/previous stage(s) vehicle	FCA Italy S.p.A. C.so G Agnelli 200 – 10135 – Turin - Italy
0.6.	Location and method of attachment of statutory plates and location of vehicle identification number:	
0.6.1.	On the chassis:	As Stage 1 Base vehicle
0.6.2.	On the bodywork:	As previous approval Section: 0.6
0.7.	(Not attributed)	
0.8.	Name(s) and address(es) of assembly plant(s):	Wilker Auto Conversions Ltd Frederick Street Clara County Offaly Ireland + Wilker UK Limited Units 1 & 2 Millbuck Park, Millbuck Way, Springvale Industrial Estate, Sandback, Cheshire, CW11 3HTUK
0.9	Name(s) and address(es) of the manufacturer's representative (if any):	Not Applicable

1.	GENERAL CONSTRUCTION CHARACTERISTICS	
1.1.	Photographs and/or drawings of a representative vehicle/component/separate technical unit (1)	As previous Approval Section 1.1 Photos & Section 1.2 Ext. Int. & Locker Drawings SECAS A & E Fiat Ducato Van Ambulance.
1.2.	Dimensional drawing of the whole vehicle	As previous Approval Section 1.1 Photos & Section 1.2 Ext. Int. & Locker Drawings SECAS A & E Fiat Ducato Van Ambulance.
1.3.	Number of axles and wheels	As Stage 1 Base Vehicle
1.3.1.	Number and position of axles with twin wheels:	As Stage 1 Base Vehicle
1.3.2.	Number and position of steered axles:	As Stage 1 Base Vehicle
1.3.3.	Powered axles (number, position, interconnection):	As Stage 1 Base Vehicle
1.4.	Chassis (if any) (overall drawing – shortest and longest wheelbase if applicable):):	As Stage 1 Base Vehicle
1.5.	Material used for the side-members ([d]):	As Stage 1 Base Vehicle
1.6.	Position and arrangement of the engine:	As Stage 1 Base Vehicle
1.7.	Driving cab (forward control/bonneted/sleeper cab) ([e]):	As Stage 1 Base Vehicle
1.8.	Hand of drive: left/right ([1]).	Right Hand drive
1.8.1.	Vehicle is equipped to be driven in right/left ([1]) hand traffic.	Left Hand Traffic
1.9.	Specify if the towing vehicle is intended to tow semi-trailers or other trailers and, if the trailer is a semi-, drawbar, centre-axle trailer or rigid drawbar trailer:	N/A
1.10.	Specify if the vehicle is specially designed for the controlled-temperature carriage of goods: [1230/12-29]	N/A
1.11.	Specify if the vehicle is non-automated/automated/fully automated	N/A

2.	**MASSES AND DIMENSIONS ([f]) ([g])**	
	(in kg and mm) (Refer to drawing where applicable)	
2.1.	Wheelbase(s) (fully loaded) ([g1]):	
2.1.1.	Two-axle vehicles:	As Stage 1 Base vehicle – 4035mm
2.1.2.	Vehicles with three or more axles	Not Applicable
2.2.	Fifth wheel	Not Applicable
2.2.1.	In the case of semi-trailers	Not Applicable
2.2.2.	In the case of semi trailer towing vehicles	Not Applicable
2.2.2.1.	Fifth wheel lead (maximum and minimum; indicate the permissible values in the case of an incomplete vehicle) ([g2]):	Not Applicable
2.2.2.2.	Maximum height of the fifth wheel (standardised) ([g3]):	Not Applicable
2.3.	Axle track(s) and width(s)	
2.3.1.	Track of each steered axle ([g4]):	As Stage 1 Base Vehicle
2.3.2.	Track of all other axles ([g4]):	As Stage 1 Base Vehicle
2.3.3.	Width of the widest rear axle:	As Stage 1 Base Vehicle
2.3.4.	Width of the foremost axle (measured at the outermost part of the tyres excluding the bulging of the tyres close to the ground):	As Stage 1 Base Vehicle
2.4.	Range of vehicle dimensions (overall)	
2.4.1.	For chassis without bodywork	Not Applicable
2.4.2.	For chassis with bodywork	
2.4.2.1.	Length ([g5]):	As previous Approval Section 1.1 Photos & Section 1.2 Ext. Int. & Locker Drawings SECAS A & E Fiat Ducato Van Ambulance.
2.4.2.1.1.	Length of the loading area:	As previous Approval Section 1.1 Photos & Section 1.2 Ext. Int. & Locker Drawings SECAS A & E Fiat Ducato Van Ambulance.
2.4.2.1.2.	In the case of trailers, maximum permissible drawbar length ([g6]):	Not Applicable
2.4.2.1.3.	Elongated cab complying with Article 9a of Council Directive 96/53/EC: yes/no ([1])	Not Applicable
2.4.2.2.	Width ([g7]):	As previous Approval Section 1.1 Photos & Section 1.2 Ext. Int. & Locker Drawings SECAS A & E Fiat Ducato Van Ambulance.
2.4.2.2.1.	Thickness of the walls (in the case of vehicles designed for controlled-temperature carriage of goods):	Not Applicable
2.4.2.3.	Height (in running order) ([g8]) (for suspensions adjustable for height, indicate normal running position):	As previous Approval Section 1.1 Photos & Section 1.2 Ext. Int. & Locker Drawings SECAS A & E Fiat Ducato Van Ambulance.
2.4.2.4.	Front overhang ([g9]):	As Stage 1 Base Vehicle
2.4.2.4.1.	Approach angle ([g10]): …… degrees.	As Stage 1 Base Vehicle
2.4.2.5.	Rear overhang ([g11]):	As Stage 1 Base Vehicle
2.4.2.5.1.	Departure angle ([g12]): …… degrees.	As Stage 1 Base Vehicle
2.4.2.5.2.	Minimum and maximum permissible overhang of the coupling point ([g13]):	As Stage 1 Base Vehicle
2.4.2.6.	Ground clearance (as defined in point 4.1 and 4.2 of Part A of Annex I to Regulation (EU) 2018/858)	

2.4.2.6.1.	Between the axles:	As Stage 1 Base Vehicle
2.4.2.6.2.	Under the front axle(s):	As Stage 1 Base Vehicle
2.4.2.6.3.	Under the rear axle(s):	As Stage 1 Base Vehicle
2.4.2.7.	Ramp angle ([g14]): …… degrees.	As Stage 1 Base Vehicle
2.4.2.8.	Extreme permissible positions of the centre of gravity of the payload (in the case of non-uniform load):	As Stage 1 Base Vehicle
2.4.2.9.	Position of centre of gravity of the vehicle (M2 and M3) at its technically permissible maximum laden mass in the longitudinal, transverse and vertical directions:	Not Applicable
2.4.3.	For bodywork approved without chassis (vehicles M2 and M3)	
2.4.3.1.	Length ([g5]):	Not Applicable
2.4.3.2.	Width ([g7]):	Not Applicable
2.4.3.3.	Nominal height (in running order) ([g8]) on intended chassis type(s) (for suspensions adjustable for height, indicate normal running position):	Not Applicable
2.5.	Minimum mass on the steering axle(s) for incomplete vehicles:	As Stage 1 Base Vehicle
2.6.	Mass in running order (h)	
	(a) Minimum and maximum for each variant: (b) Mass of each version (a matrix must be provided):	As previous Approval Wilker Weight Calculations Section 2.6
2.6.1.	Distribution of this mass among the axles and, in the case of a semi-trailer, a rigid drawbar trailer or a centre-axle trailer, the mass on the coupling: (a) Minimum and maximum for each variant (b) Mass of each version (a matrix must be provided): [20171151-23]	As previous Approval Wilker Weight Calculations Section 2.6
2.6.2.	Mass of the optional equipment (see the definition set out in point ([5]) of article 2 of Commission Regulation (EU) No 1230/2012) (*): [1230/12-24]	As previous Approval Wilker Weight Calculations Section 2.6
2.6.3	Rotational mass (y): 3 % of the sum of mass in running order and 25 kg or value, per axle (kg): [2018/183225]	As previous Approval Wilker Weight Calculations Section 2.6
2.6.4.	Additional mass for alternative propulsion (kg):	Not Applicable
2.6.5.	List of equipment for alternative propulsion (and indication of mass of the parts):	Not Applicable
2.7.	Minimum mass of the completed vehicle as stated by the manufacturer, in the case of an incomplete vehicle:	Not Applicable
2.7.1.	Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point:	Not Applicable
2.7.2.	Maximum permissible actual mass as stated by the manufacturer, in the case of in incomplete vehicle:	Not Applicable
2.8.	Technically permissible maximum laden mass stated by the manufacturer ([i]) ([3]):	4250kg
2.8.1.	Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point ([3]):	Axle 1: 2100kg Axle 2: 2400kg

2.9.	Technically permissible maximum mass on each axle:	Axle 1: 2100kg Axle 2: 2400kg
2.10.	Technically permissible mass on each group of axles:	Not Applicable
2.11.	Technically permissible maximum towable mass of the towing vehicle in case of: [1230/12-26]	
2.11.1.	Drawbar trailer:	Not Applicable
2.11.2.	Semi-trailer:	Not Applicable
2.11.3.	Centre-axle trailer:	Not Applicable
2.11.3.1.	Maximum ratio of the coupling overhang (j) to the wheel base:	Not Applicable
2.11.3.2.	Maximum V value: …… kN.	Not Applicable
2.11.4.	Rigid drawbar trailer:	Not Applicable
2.11.5.	Technically permissible maximum laden mass of the combination(3) : [1230/12-27]	Not Applicable
2.11.6.	Maximum mass of unbraked trailer:	Not Applicable
2.12.	Technically permissible maximum mass at the coupling point	
2.12.1.	Of a towing vehicle:	Not Applicable
2.12.2.	Of a semi-trailer a centre-axle trailer or a rigid drawbar trailer: [1230/12-28]	Not Applicable
2.12.3.	Maximum permissible mass of the coupling device (if not fitted by the manufacturer):	Not Applicable
2.13.	Rear swing-out (Point 8 of Part B/Point 7 of Part C of Annex I to Regulation (EU) No 1230/2012):	Not Applicable
2.14.	Engine power/maximum mass ratio: …… kW/kg.	As Stage 1 Base vehicle
2.14.1.	Engine power/technically permissible maximum laden mass of the combination ratio (Point 6 of Part B of Annex I to Regulation (EU) No 1230/2012): ……kW/kg.	As Stage 1 Base vehicle
2.15.	Hill-starting ability (solo vehicle) (4): …… %.	As Stage 1 Base vehicle
2.16.	Registration/in service maximum permissible masses (optional)	
2.16.1.	Registration/in service maximum permissible laden mass:	Not Applicable
2.16.2.	Registration/in service maximum permissible mass on each axle and, in the case of a semi- trailer or centre-axle trailer, intended load on the coupling point stated by the manufacturer if lower than the technically permissible maximum mass on the coupling point:	Not Applicable
2.16.3.	Registration/in service maximum permissible mass on each group of axles:	Not Applicable
2.16.4.	Registration/in service maximum permissible towable mass:	Not Applicable
2.16.5.	Registration/in service maximum permissible mass of the combination: [1230/12-29]	Not Applicable

2.17	Vehicle submitted to multi-stage type-approval (only in the case of incomplete or completed vehicles of category N1 within the scope of Regulation (EC) No 715/2007: yes/no ([1])	
2.17.1	Mass of the base vehicle in running order: kg	As previous Approval Wilker Weight Calculations Section 2.6
2.17.2	Default added mass, calculated in accordance with Section 5 of Annex XII to Commission Regulation (EC) No 692/2008: kg [eu143201330]	As Stage 1 Base vehicle

3.	**PROPULSION ENERGY CONVERTER (k)**	As Sage 1 Base vehicle

4.	**TRANSMISSION (P)**	As Sage 1 Base vehicle

5.	**AXLES**	As Sage 1 Base vehicle

6.	**SUSPENSION**	Axle 1 As Stage 1, Reference Section 6 of previous approval.
6.1.	Drawing of the suspension arrangements:	Reference Section 6 of previous approval.
6.2.	Type and design of the suspension of each axle or group of axles or wheel:	Reference Section 6 of previous approval.
6.2.1.	Level adjustment: yes/no/optional (1)	Yes
6.2.2.	A brief description of the electrical/electronic components (if any):	A 12 Volt compressor fills the Air Bags with air and the system monitors and adds air via the compressor when required to give a smooth and constant height ride.
6.2.3.	Air-suspension for driving axle(s): yes/no (1)	No – As Stage 1 Base vehicle
6.2.3.1.	Suspension of driving axle(s) equivalent to air-suspension: yes/no (1)	As Stage 1 Base vehicle
6.2.3.2.	Frequency and damping of the oscillation of the sprung mass:	Reference Section 6 and Appendix 2 of previous approval.
6.2.4.	Air-suspension for non-driving axle(s): yes/no (1)	As Stage 1 Base vehicle
6.2.4.1.	Suspension of non-driving axle(s) equivalent to air-suspension: yes/no (1)	As Stage 1 Base vehicle
6.2.4.2.	Frequency and damping of the oscillation of the sprung mass:	As Stage 1 Base vehicle
6.3.	Characteristics of the springing parts of the suspension (design, characteristics of the materials and dimensions):	As Stage 1 Base vehicle
6.4.	Stabilisers: yes/no/optional (1)	As Stage 1 Base vehicle
6.5.	Shock absorbers: yes/no/optional (1)	As Stage 1 Base vehicle
6.6.	Tyres and wheels [20171151-129]	As Stage 1 Base vehicle

7.	**STEERING**	As Stage 1 Base vehicle

8.	**BRAKES**	As Stage 1 Base vehicle

9.	**BODYWORK**	
9.1.	Type of bodywork using the codes defined in Part C of Annex I to Regulation (EU) 2018/858 or in case of a special purpose vehicle the codes defined in point 5 to Part A of that Annex: …	SC - Van Ambulance built on Stage 1 Base vehicle
9.2.	Materials used and methods of construction:	
9.3.	Occupant doors, latches and hinges	Not Applicable M3 Vehicle
9.3.1.	Door configuration and number of doors:	As Stage 1 Base vehicle
9.3.1.1.	Dimensions, direction and maximum angle of opening:	As Stage 1 Base vehicle
9.3.2.	Drawing of latches and hinges and of their position in the doors:	As Stage 1 Base vehicle
9.3.3.	Technical description of latches and hinges:	As Stage 1 Base vehicle
9.3.4.	Details, including dimensions, of entrances, steps and necessary handles where applicable:	As Stage 1 Base vehicle Reference
9.3.5.	Electrical/electronic components of the door system: …	As Stage 1 Base vehicle
9.3.5.1.	Brief description of any electrical/electronic components: …	As Stage 1 Base vehicle
9.3.5.2.	Description of electrical/electronic functionality in the door system: …	As Stage 1 Base vehicle + Red LED lights on inside edge top & bottom of Rear doors
9.3.5.2.1.	Rolling door locks fitted: yes/no/optional ([1])	As Stage 1 Base vehicle
9.4.	Field of vision	
9.4.1.	Particulars of the primary reference marks in sufficient detail to enable them to be readily identified and the position of each in relation to the others and to the R-point to be verified:	As Stage 1 Base vehicle
9.4.2.	Drawing(s) or photograph(s) showing the location of component parts within the 180o forward field of vision:	As Stage 1 Base vehicle
9.5.	Windscreen and other windows	
9.5.1.	Windscreen	As Stage 1 Base vehicle
9.5.1.1.	Materials used:	As Stage 1 Base vehicle
9.5.1.2.	Method of mounting:	As Stage 1 Base vehicle
9.5.1.3.	Angle of inclination:	As Stage 1 Base vehicle
9.5.1.4.	Type-approval number(s):	All Glazing 43R Certified as previous Approval
9.5.1.5.	Windscreen accessories and the position in which they are fitted together with a brief description of any electrical/electronic components involved:	As Stage 1 Base vehicle
9.5.2.	Other windows	
9.5.2.1.	Materials used:	43R Stamped Glass
9.5.2.2.	Type-approval number(s):	As previous Approval Section 9.5.2 Windows & Perspex
9.5.2.3.	A brief description of the electrical/electronic components (if any) of the window lifting mechanism:	As Stage 1 No electronic components in the fitted 43R Glass.
9.5.2.3.1.	Description of the auto-reversing system: …	Not Applicable
9.5.3.	Opening roof glazing	As previous Approval Section 9.5.2 Windows & Perspex

9.5.3.1.	Materials used:	43R Stamped Glass
9.5.3.2.	Type-approval number(s):	As previous Approval Section 9.5.2 Windows & Perspex
9.5.3.3.	A brief description of the electrical/electronic components (if any) of the opening roof mechanism: …	Not Applicable
9.5.3.3.1.	Description of the auto-reversing system: …	Not Applicable
9.5.4.	Other glass panes	
9.5.4.1.	Materials used:	As above
9.5.4.2.	Type-approval number(s):	As above
9.6.	Windscreen wiper(s)	As Stage 1 Base vehicle
9.6.1.	Detailed technical description (including photographs or drawings):	As Stage 1 Base vehicle
9.6.1.1.	Dimensions of the wiper arm and wiper blade: …	As Stage 1 Base vehicle
9.7.	Windscreen washer	As Stage 1 Base vehicle
9.7.1.	Detailed technical description (including photographs or drawings) or, if approved as separate technical unit, type-approval number:	Not Applicable
9.8.	Defrosting and demisting	As Stage 1 Base vehicle
9.8.1.	Detailed technical description (including photographs or drawings):	Not Applicable
9.8.2.	Maximum electrical consumption:. . . . . . kW	Not Applicable
9.9.	Devices for indirect vision	As Stage 1 Base vehicle
9.9.1.	Rear-view mirrors, stating for each mirror:	As Stage 1 Base vehicle
9.10.	**Interior Arrangement**	
9.10.1.	Interior protection for occupants	As Stage 1 Base vehicle plus
9.10.1.1.	Layout drawing or photographs showing the position of the attached sections or views:	As previous Approval Section 1.1 Photos & 1.2 Internal Layout Drawings plus Appendix 5 SECAS User Manual.
9.10.1.2.	Photograph or drawing showing the reference zone including the exempted area referred to in point 2.3.1 to UN Regulation No 21 of the Economic Commission for Europe of the United Nations (UN/ECE):	Not Applicable
9.10.1.3.	Photographs, drawings and/or an exploded view of the interior fittings, showing the parts in the passenger compartment and the materials used (with the exception of interior rear view mirrors), arrangement of controls, roof and opening roof, backrest, seats and the rear part of seats:	As Stage 1 Base vehicle Reference previous Approval Section 1.1 Photos & 1.2 Internal Layout Drawings plus Appendix 5 SECAS User Manual.
9.10.2.	Arrangement and identification of controls, tell-tales and indicators	
9.10.2.1.	Photographs and/or drawings of the arrangement of symbols and controls, tell-tales and indicators:	As Stage 1 Base vehicle Reference previous Approval Section 1.1 Photos & 1.2 Internal Layout Drawings plus Appendix 5 SECAS User Manual.
9.10.2.2.	Photographs and/or drawings of the identification of controls, tell-tales and indicators and of the vehicle	As Stage 1 Base vehicle Reference previous Approval Section 1.1

	parts referred to UN Regulation No 121 (82) of the Economic Commission for Europe of the United Nations (UN/ECE) where relevant:	Photos & 1.2 Internal Layout Drawings plus Appendix 5 SECAS User Manual.
9.10.3.	Seats	
9.10.3.1.	Number of seating positions ([s]):	Cab 2 Saloon 3 plus Stretcher.
9.10.3.1.1.	Location and arrangement:	As Stage 1 Base vehicle Reference previous Approval Section 1.1 Photos & 1.2 Internal Layout Drawings.
9.10.3.2.	Seat(s) designated for use only when the vehicle is stationary:	Not Applicable
9.10.3.3.	Mass:	Row 1: As Stage 1 e3*2007/46*0049*29 Reference Appendix 4 SBA for EVS & Jany. Row 2: EVS 1860 Seat = 33.18kg Row 3: Jany 862 Seat = 31.00kg Row 4: Jany 862 Seat = 31.00kg
9.10.3.4.	Characteristics: for seats not type-approved as components, description and drawings of	As previous Approval
9.10.3.4.1.	The seats and their anchorages:	Row 1: As stage 1 e3*2007/46*0049*29 For SECAS A&E: Row 2, 3, 4: See attachment Section 9.10.3.4 Row 1 = Report MIRA-1026804-02a for EVS 1860 Seat and Row 3, & 4 = VOSC0045 (VSV484160) Report for Jany 862 Contour Seats.
9.10.3.4.2.	The adjustment system:	Row 1: As stage 1 e3*2007/46*0049*29 For SECAS A&E: Row 2, 3, 4: See attachment Section 9.10.3.4 Row 1 = Report MIRA-1026804-02a for EVS 1860 Seat and Row 3, & 4 = VOSC0045 (VSV484160) Report for Jany 862 Contour Seats.
9.10.3.4.3.	The displacement and locking systems:	Row 1: As stage 1 e3*2007/46*0049*29 For SECAS A&E: Row 2, 3, 4: See attachment Section 9.10.3.4 Row 1 = Report MIRA-1026804-02a for EVS 1860 Seat and Row 3, & 4 = VOSC0045 (VSV484160) Report for Jany 862 Contour Seats.
9.10.3.4.4.	The seat-belt anchorages (if incorporated in the seat structure):	Row 1: As stage 1 e3*2007/46*0049*29 For SECAS A&E: Row 2, 3, 4: See attachment Section 9.10.3.4 Row 1 = Report MIRA-1026804-02a for EVS 1860 Seat and Row 3, & 4 = VOSC0045 (VSV484160) Report for Jany 862 Contour Seats.
9.10.3.4.5.	The parts of the vehicle used as anchorages:	Row 1: As stage 1 e3*2007/46*0049*29 For SECAS A&E: Row 2, 3, 4: See attachment Section 9.10.3.4 Row 1 = Report MIRA-1026804-02a for EVS 1860 Seat and Row 3, & 4 = VOSC0045 (VSV484160) Report for Jany 862 Contour Seats.
9.10.3.5.	Coordinates or drawing of the R-point ([t])	Row 1: As stage 1 e3*2007/46*0049*29 For SECAS A&E: Row 2, 3, 4: See attachment Section 9.10.3.4 Row 1 = Report MIRA-1026804-02a for EVS 1860 Seat and Row 3, & 4 = VOSC0045 (VSV484160) Report for Jany 862 Contour Seats.
9.10.3.5.1.	Driver's seat:	As stage 1 e3*2007/46*0049*29
9.10.3.5.2.	All other seating positions:	See attachment 9.10.3.5.1

9.10.3.6.	Design torso angle	See attachment 9.10.3.5.1
9.10.3.6.1.	Driver's seat:	As stage 1 e3*2007/46*0049*29
9.10.3.6.2.	All other seating positions:	See attachment Section 9.10.3
9.10.3.7.	Range of seat adjustment	
9.10.3.7.1.	Driver's seat:	As stage 1 e3*2007/46*0049*29
9.10.3.7.2.	All other seating positions:	See attachment Section 9.10.3
9.10.3.8.	Detailed description of the electrical/electronic components (if any) of the seat adjustment system: …	Not Applicable
9.10.3.9.	Description of the luggage compartment space if the seat back(s) constitute the forward boundary of this space: …	Not Applicable
9.10.3.10.	Vehicle equipped with a partitioning system: yes/no/optional ([1])	Yes (Bulkhead)
9.10.3.10.1.	Detailed description of the partitioning system including the mounting to the vehicle structure: …	CEN Tested Bulkhead between Cab & Saloon.
9.10.4.	Head restraints	
9.10.4.1.	Type(s) of head restraints: integrated/detachable/separate ([1])	Attached to Seats
9.10.4.2.	Type-approval number(s), if available:	Not Applicable
9.10.4.3.	For head restraints not yet approved	
9.10.4.3.1.	A detailed description of the head restraint, specifying in particular the nature of the padding material or materials and, where applicable, the position and specifications of the braces and anchorage pieces for the type of seat for which approval is sought:	Not Applicable
9.10.4.3.2.	In the case of a “separate” head restraint	
9.10.4.3.2.1.	A detailed description of the structural zone to which the head restraint is intended to be fixed:	Not Applicable
9.10.4.3.2.2.	Dimensional drawings of the characteristic parts of the structure and the head restraint:	Not Applicable
9.10.4.4.	Detailed description of the electrical/electronic components (if any) of the head restraint adjustment system: …	Not Applicable
9.10.5.	Heating systems for the passenger compartment	
9.10.5.1.	A brief description of the vehicle type with regard to the heating system if the heating system uses the heat of the engine cooling fluid:	As Stage 1 Base vehicle
9.10.5.2.	A detailed description of the vehicle type with regard to the heating if the cooling air or the exhaust gases of the engine are used as heat source, including:	As Stage 1 Base vehicle
9.10.5.2.1.	Layout drawing of the heating system showing its position in the vehicle:	As Stage 1 Base vehicle
9.10.5.2.2.	Layout drawing of the heat exchanger for heating systems using the exhaust gases for heating, or of the parts where the heat exchange takes place (for heating systems using the engine cooling air for heating):	As Stage 1 Base vehicle
9.10.5.2.3.	Sectional drawing of the heat exchanger or the parts respectively where the heat exchange takes place indicating the thickness of the wall, used materials and characteristics of the surface:	As Stage 1 Base vehicle
9.10.5.2.4.	Specifications shall be given for further important components of the heating system such as, for	As Stage 1 Base vehicle

	example, the heater fan, with regard to their method of construction and technical data:	
9.10.5.3.	A brief description of the vehicle type with regard to the combustion heating system and the automatic control:	Reference previous Approval: Saloon heated by means of an on board Eberspacher D4 Heater controlled by means of temperature sensor and a thermostatic control knob Ref Section 9.10.2 “User Information Manual” SECAS Ambulance Service NHS Trust.
9.10.5.3.1.	Layout drawing of the combustion heater, the air inlet system, the exhaust system, the fuel tank, the fuel supply system (including the valves) and the electrical connections showing their positions in the vehicle.	Reference previous approval Drawings Section 1.2.
9.10.5.4.	Maximum electrical consumption: …… kW	40W 12Volt DC Reference previous Approval Drawing Section 1.2.
9.10.6.	Components influencing the behaviour of the steering mechanism in the event of an impact	As Stage 1 Base vehicle
9.11.	External projections	
9.11.1.	General arrangement (drawing or photographs) indicating the position of the attached sections and views:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2.
9.11.2.	Drawings and/or photographs, for example, and where relevant, of the door and window pillars, air-intake grilles, radiator grille, windscreen wipers, rain gutter channels, handles, slide rails, f laps, door hinges and locks, hooks, eyes, decorative trim, badges, emblems and recesses and any other external projections and parts of the exterior surface which can be regarded as critical (e.g. lighting equipment). If the parts listed in the previous sentence are not critical, for documentation purposes they may be replaced by photographs, accompanied if necessary by dimensional details and/or text:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2.
9.11.3.	Drawings of parts of the external surface in accordance with paragraph 6.9.1 to UN Regulation No 26 of the Economic Commission for Europe of the United Nations (UNECE): …	As Stage 1, e3*2007/46*0049*29
9.11.4.	Drawing of bumpers:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2.
9.11.5.	Drawing of the floor line:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2.
9.12.	Safety belts and/or other restraint systems	
9.12.1.	Number and position of safety belts and restraint systems and seats on which they can be used	
	(L = left-hand side, R = right-hand side, C = centre)	

		Complete EC type-approval mark	Variant, if applicable	Belt adjustment device for height (indicate yes/no/ optional)
	{ L			
First row of seats	{ C			
	{ R	As Stage 1, e3*2007/46*0049*29		
	{ L			
Second row of seats (*)	{ C			
	{ R	E8 06 16731		

Third Row of seats	{ C			
	{ R			
	{ L	E8 06 16815		
Fourth Row of seats	{ C			
	{ R			
	{ L	E8 06 16815		

9.12.2.	Nature and position of supplementary restraint systems (indicate yes/no/optional)			
	(L = left-hand side, R = right-hand side, C = centre)			
		Front airbag	Side airbag	Belt pre-loading device
First row of seats	{ C			
	{ R	As Stage one e3*2007/46*0049*29	As Stage one e3*2007/46*0049*29	As Stage one e3*2007/46*0049*29
	{ L			
Second row of seats (*)	{ C			
	{ R	No	No	No
	{ L			
Third Row of seats	{ C			
	{ R			
	{ L	No	No	No
Fourth Row of seats	{ C			
	{ R			
	{ L	No	No	No

9.12.3.	Number and position of safety belt anchorages and proof of compliance with Directive 76/115/EEC, (i.e. type-approval number or test report):	As Stage 1,e3*2007/46*0049*29. See attachment Section 9.10.3.4 plus 9.10.3.4.4.above.
9.12.4.	A brief description of the electrical/electronic components (if any):	Not Applicable
9.12.5.	Description of the seat belt reminder system: …	As Stage 1,e3*2007/46*0049*29

9.13.	Safety belt anchorages	
9.13.1.	Photographs and/or drawings of the bodywork showing the position and dimensions of the actual and the effective anchorages including the R-points:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2 & 9.10.3.
9.13.2.	Drawings of the belt anchorages and parts of the vehicle structure where they are attached (with the material indication):	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2 & 9.10.3.

9.13.3.	Designation of the types ([U]) of safety belt authorised for fitting to the anchorages with which the vehicle is equipped			
FIRST ROW - FRONT				
Reference e3*2007/46*0049*29				

SECOND ROW - REAR FACING EVS Seat			Anchorage location	
MIRA report MIRA-1026804-02a			Vehicle structure	Vehicle structure
Right-hand seat	{ Lower anchorages	{ Outboard		e.g./Br/Ar4m
		{ Inboard		
	{ Upper anchorages			
Centre seat	{ Lower anchorages	{ Right		
		{ Left		
	{ Upper anchorages			
Left-hand seat	{ Lower anchorages	{ Outboard		
		{ inboard		

	{ Upper anchorages			
THIRD ROW – Jany 862 Seat			Anchorage location	
VOSC0045 (VSV484160) Test Report			Vehicle structure	Vehicle structure
Right-hand seat	Lower anchorages	{ Outboard		
	Lower anchorages	{ Inboard		
	Upper anchorages			
Centre seat	Lower anchorages	{ Right		
	Lower anchorages	{ Left		
	Upper anchorages			
Left-hand seat	Lower anchorages	{ Outboard		Ar4m
	Lower anchorages	{ Inboard		Ar4m
	Upper anchorages			Ar4m
FOURTH ROW – Jany 862 Seat			Anchorage location	
VOSC0045 (VSV484160) Test Report			Vehicle structure	Vehicle structure
Right-hand seat	Lower anchorages	{ Outboard		
	Lower anchorages	{ Inboard		
	Upper Anchorage			
Centre seat	Lower anchorages	{ Outboard		
	Lower anchorages	{ Inboard		
Left Hand Seat	Lower anchorages	{ Outboard		Ar4m
	Lower anchorages	{ Inboard		Ar4m
	Upper Anchorage			Ar4m

9.13.4.	Description of a particular type of safety belt where an anchorage is located in the seat backrest or incorporates an energy dissipating device:	Not Applicable
9.14.	Space for mounting rear registration plates (give range where appropriate, drawings may be used where applicable)	
9.14.1.	Height above road surface, upper edge:	As Stage 1 e3*2007?46*0049*29
9.14.2.	Height above road surface, lower edge:	As Stage 1 e3*2007?46*0049*29
9.14.3.	Distance of the Centre line from the longitudinal median plane of the vehicle:	As Stage 1 e3*2007?46*0049*29
9.14.4.	Distance from the left vehicle edge	As Stage 1 e3*2007?46*0049*29
9.14.5.	Dimensions (length x width):	As Stage 1 e3*2007?46*0049*29
9.14.6.	Inclination of the plane to the vertical:	As Stage 1 e3*2007?46*0049*29
9.14.7.	Angle of visibility in the horizontal plane:	As Stage 1 e3*2007?46*0049*29
9.15.	Rear under-run protection	
9.15.0.	Presence: yes/no/incomplete (1)	Not Applicable
9.15.1.	Drawing of the vehicle parts relevant to the rear under-run protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the widest rear axle, drawing of the mounting and/or fitting of the rear under-run protection. If the under-run protection is not a special device, the drawing shall clearly show that the required dimensions are met:	Not Applicable
9.15.2.	In case of a special device, full description and/or drawing of the rear under-run protection (including mountings and fittings), or, if approved as separate technical unit, type-approval number:	Not Applicable

9.16.	Wheel guards	
9.16.1.	Brief description of the vehicle with regard to its wheel guards:	As Stage 1 e3*2007?46*0049*29
9.16.2.	Detailed drawings of the wheel guards and their position on the vehicle showing the dimensions specified in Figure 1 of Annex II to Commission Regulation (EU) No 1009/2010and taking account of the extremes of tyre/ wheel combinations:	As Stage 1 e3*2007?46*0049*29
9.17.	Statutory plates	
9.17.1.	Photographs and/or drawings of the locations of the statutory plates and inscriptions and of the vehicle identification number:	As Stage 1 e3*2007?46*0049*29 and reference attachment Section 0.6
9.17.2.	Photographs and/or drawings of the statutory plate and inscriptions (completed example with dimensions):	As Stage 1 e3*2007?46*0049*29 and reference attachment Section 0.6
9.17.3.	Photographs and/or drawings of the vehicle identification number (completed example with dimensions):	As Stage 1 e3*2007?46*0049*29 and reference attachment Section 0.6
9.17.4.	Manufacturer's declaration of compliance with Part B of Annex I to Commission Regulation (EU) No 19/2011	As Stage 1 e3*2007?46*0049*29
9.17.4.1.	The meaning of characters in the vehicle descriptor section (VDS) of point 2.1. of Part B of Annex I to Regulation (EU) No 19/2011and, if applicable, in the third section used to comply with the requirements of section 5.3 of ISO Standard 3779:2009 shall be explained:	As Stage 1 e3*2007?46*0049*29
9.17.4.2.	If characters in the second section are used to comply with the requirements of section 5.4 of ISO Standard 3779:2009 (i.e. model year) these characters shall be indicated:	Not Applicable
9.18.	Radio interference/electromagnetic compatibility	
9.18.1.	Description and drawings/photographs of the shapes and constituent materials of the part of the body forming the engine compartment and the part of the passenger compartment nearest to it:	As Stage 1 e3*2007?46*0049*29
9.18.2.	Drawings or photographs of the position of metal components housed in the engine compartment (e.g. heating appliances, spare wheel, air filter, steering mechanism, etc.):	As Stage 1 e3*2007?46*0049*29
9.18.3.	Table and drawing of radio-interference control equipment:	As Stage 1, e3*2007/46*0049*29 and Ref. Appendix 3.
9.18.4.	Particulars of the nominal value of the direct current resistance, and, in the case of resistive ignition cables, of their nominal resistance per metre:	As Stage 1 e3*2007?46*0049*29
9.19.	Lateral protection	As Stage 1 e3*2007?46*0049*29
9.19.0.	Presence: yes/no/incomplete (1)	As Stage 1 e3*2007?46*0049*29
9.19.1.	Drawing of the vehicle parts relevant to the lateral protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the axle(s), drawing of the mountings and/or the fittings of lateral protection device(s). If the lateral protection is achieved without	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2.+ CEN Certification

	lateral protection device(s) the drawing shall clearly show that the required dimensions are met:	
9.19.2.	In the case of lateral protection device(s), full description and/or drawing of such device(s) (including mountings and fittings) or its/their component type-approval number(s):	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2. + CEN Certification
9.20.	Spray-suppression system	Yes Mud Flaps
9.20.0.	Presence: yes/no/incomplete ([1])	Yes Reference Section 1.1 Photos.
9.20.1.	Brief description of the vehicle with regard to its spray-suppression system and the constituent components:	As Stage 1, e3*2007/46*0049*29
9.20.2.	Detailed drawings of the spray-suppression system and its position on the vehicle showing the dimensions specified in the figures in Annex VI to Commission Regulation (EU) No 109/2011 and taking account of the extremes of tyre/wheel combinations:	Mud Flaps fitted to all four wheel arches.
9.20.3.	Type-approval number(s) of spray-suppression device(s), if available:	Not Applicable

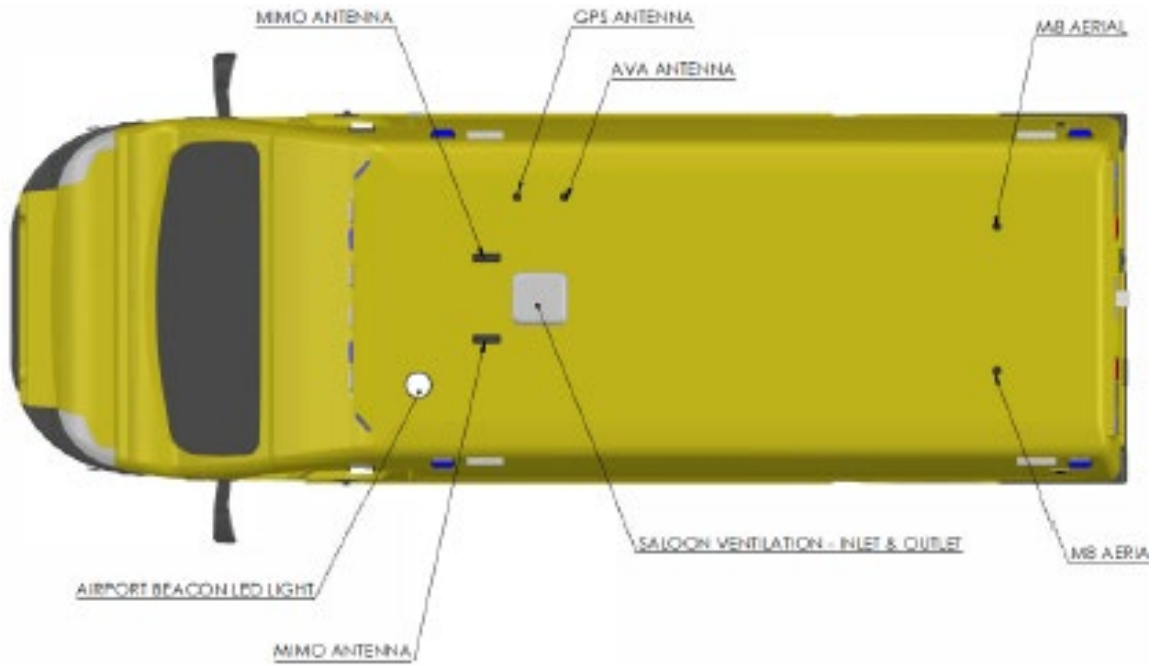
10.	**LIGHTING AND LIGHT SIGNALLING DEVICES**	
10.1.	Table of all devices: number, make, model, type-approval mark, maximum intensity of main-beam headlamps, colour, tell-tale:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2
10.2.	Drawing of the position of lighting and light signaling devices:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2
10.3.	For every lamp and reflector specified in UN Regulation No 48 (92) of the Economic Commission for Europe of the United Nations (UNECE) supply the following information (in writing and/or by diagram)	
10.3.1.	Drawing showing the extent of the illuminating surface:	As Stage 1, e3*2007/46*0049*29 Photographs Section 1.1 and Drawings Section 1.2
10.3.2.	Method used for the definition of the apparent surface in accordance with paragraph 2.10 of UNECE Regulation No 48 (OJ L 137, 30.5.2007, p. 1):	As Stage 1, e3*2007/46*0049*29
10.3.3.	Axis of reference and centre of reference:	As Stage 1, e3*2007/46*0049*29
10.3.4.	Method of operation of concealable lamps:	Not Applicable
10.3.5.	Any specific mounting and wiring provisions:	Not Applicable
10.4.	Dipped beam lamps: normal orientation in accordance to paragraph 6.2.6.1 of UNECE Regulation No 48:	As Stage 1, e3*2007/46*0049*29

11.	**CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS**	Not Applicable
11.1.	Class and type of the coupling device(s) fitted or to be fitted:	Not Applicable
11.2.	Characteristics D, U, S and V of the coupling device(s) fitted or minimal characteristics D, U, S	Not Applicable

	and V of the coupling device(s) to be fitted: .. . . daN	
11.3.	Instructions for attachment of the coupling type to the vehicle and photographs or drawings of the fixing points at the vehicle as stated by the manufacturer; additional information, if the use of the coupling type is restricted to certain variants or versions of the vehicle type:	Not Applicable
11.4.	Information of the fitting of special towing brackets or mounting plates:	Not Applicable
11.5.	Number(s) of the type-approval certificate(s):	Not Applicable

12.	**MISCELLANEOUS**	
12.7.	Table of installation and use of RF transmitters in the vehicle(s), if applicable:	

Frequency bands (Hz)	Maximum output power (W)	Antenna position at vehicle, specific conditions for installation and/or use
1562MHz – 1612MHz	60 Watt	MIMO Antennas forward of the Saloon Ventilation inlet / outlet
1575MHz	25 Watt	GPS PUK - Offside towards front
689Mhz - 1710MHz	60 Watt	AVA Antenna Offside behind GPS Antenna
400 – 512MHz	10 Watt	M8 - Nearside & Offside to rear



The applicant for type-approval shall also supply, where appropriate:

Appendix 1	A list containing make and type of all electrical and/or electronic components concerned by Commission Directive 72/245/EEC (OJ L 152, 6.7.1972, p. 15).	As per previous Application
Appendix 2	Schematics or drawing of the general arrangement of electrical and/or electronic components concerned by Directive 72/245/EEC and the general wiring harness arrangement.	As per previous Application
Appendix 3	Description of vehicle chosen to represent the type	Fiat Ducato Van Ambulance
	Body style:	Panel Van

	Left- or right-hand drive ([1]) Wheelbase:	Right Hand drive
Appendix 4	Relevant test report(s) supplied by the manufacturer or approved/recognised laboratories for the purpose of drawing up the type-approval certificate	IF e3*2007/46*0049*29 TIR e3*2007?46*0049*29 CERT e3*2007/46*0049*29
12.7.1.	Vehicle equipped with a 24 GHz short-range radar equipment: yes/no ([1])	Not Applicable

15.	**REUSABILITY, RECYCLABILITY AND RECOVERABILITY**	Ref. Attachment Wilker Document "What percentage of vehicle conversion is fully recycleable".

16.	**ACCESS TO VEHICLE REPAIR AND MAINTENANCE INFORMATION**	The Maintenance of the Chassis is the Customers responsibility. We at Wilker supply all technical information / parts required to maintain the vehicle in the field. We use an email / fax driven "Warranty Reporting System" as per our ISO 9001:2008 Documentation to enable the customer to report a Fault / Warranty and we then can support the customer from our base in Wilker Clara or Wilker UK Sandbach with components or technical information or technical staff to assist in repairs.

Annexes:

*Appendix 4 Base Vehicle Type Approvals e3*2007/46*0049*29*

Enclosures:
Part II
Part III
0.6 Statutory plate
1.1 Photos and drawings
2.6 weights
9.5.2 Windows and Perspex
CoC example
CoC signatories
CoP Statement,
OBD & Type Approval Declarations,
,

FIAT Ducato Van Ambulance PART II

Type
WVFD

Breakdown

Wilker
Van
FIAT
Ducato

Variant
EFNFC

Breakdown

Maximum Permissible Mass
Engine Type
Transmission Type / Motor Axis
Car Body
Long Wheel Base 4035mm

Version
LELR2 E or L

Breakdown

High Roof
With DPF
Extra overhang
2 Front Seats
SECAMB or NWAS build

Type Designation

							Type	Chassis Make	Model
Wilker Manufactured	W								

Van Conversions- Dimensions as per COC of Base Vehicle		V					Van Conversion		
			F					Fiat	
				D					Ducato

Variant Designation

Possibe Maximium Mass	4250Kg (Heavy)	E				
Engine Type	FPT Industrial F1AGL4112 (2287 cm2 - 118kW - Diesel ECO Euro 6d)		F			
	FPT Industrial F1AGL4112 (2287 cm2 - 130kW - Diesel ECO Euro 6d)		L			
Transmission Type	Mechanical Gearbox - 6 gears - Front Axle			N		
	Auto gearbox			B		
Bodywork (Type)	Cargo Van				F	
Wheelbase	Long Wheelbase 4035mm					C

TIPO/*TYPE*:

POSIZIONE "1" – "2" – "3" (TIPO DEL VEICOLO) / *(TYPE OF VEHICLE)*
250

VARIANTE/VARIANT:

POSIZIONE "4" (MASSA MASSIMA A PIENO CARICO) / *(MAXIMUM PERMISSIBLE MASS)*	
E	3820 kg - 3995 kg - 4005 kg - 4250 kg (Heavy)
G	3650 kg (Light)
H	3510 kg (Heavy)
L	3510 kg (Light)
M	4400 kg (Heavy)

POSIZIONE "5" *(TIPO MOTORE) / (ENGINE TYPE)*	
D	FPT Industrial F1AGL4114 (2287 cm3 - 88 kW – Diesel Euro 6d)
E	FPT Industrial F1AGL4113 (2287 cm3 - 103 kW – Diesel Euro 6d)
F	FPT Industrial F1AGL4112 (2287 cm3 - 118 kW – Diesel ECO Euro 6d)
G	FPT Industrial F1AGL4111 (2287 cm3 - 130 kW – Diesel ECO Euro 6d)
H	FPT Industrial F1CFA401C (2998 cm3 - 100 kW – CNG EuroVId)
L	FPT Industrial F1AGL4115 (2287 cm3 - 130 kW – Diesel Euro 6d)

POSIZIONE "6" (TIPO TRASMISSIONE / ASSI MOTORE) / *(TRANSMISSION TYPE / MOTOR AXIS)*	
N	Cambio meccanico / *Mechanical gearbox - 6 gears* / 6 gears - Asse anteriore / *Front Axle*
B	Cambio automatico / Automatic *gearbox - 9 gears* / 9 gears - Asse anteriore / *Front Axle*

POSIZIONE "7" *(CARROZZERIA) / (CAR BODY)*	
A	Autotelaio Cabinato / *Chassis Cab*
B	Autotelaio Privo di Cabina / *Chassis Cowl*
C	Autotelaio Cabinato con Pianale / *Chassis Cab With Load Bed*
D	Cassone / *Lorry*
F	Furgone / *Cargo Van*
G	Cassone Cabina Allungata / *Lorry Crew Cab*
H	Autotelaio Cabina Allungata / *Chassis Crew Cab*

POSIZIONE "8" *(INTERASSE) / (WHEELBASE)*	
A	Passo Corto / *Short wheelbase* 3000 mm
B	Passo Medio / *Medium wheelbase* 3450 mm
C	Passo Lungo / *Long wheelbase* 4035 mm
D	Passo Medio - lungo / *Medium - Long wheelbase* 3800 mm
U	3000 mm - 3450 mm - 3800 mm - 4035 mm - 4300 mm

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
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Version Designation

Version Stages

As stage 1	L					
As stage 1		E				
As stage 1			L			
As stage 1				R		
As stage 1					2	
South East Coast Ambulance SECAMB						E
North West Ambulance Service NWAS						L

ECWVTA
Part III List of Approvals

Application of Wilker Auto Conversions Ltd. For Approval of WVFD Fiat Ducato Extra Long Wheelbase Van Ambulance

As per base vehicle approval e3*2007/46*0049*29 with the following substitiutions

			Extension to EC Multi Stage Approval		
Item	**Description**	**Member State of Contracting Party Issuing Type-Approval or Test Report**	**Approval Number or Test Report Number**	**Extension Date**	**Version**
03B	UNECE Rear Underrun Protective Devices	United Kingdom	Stage 2: VCA Report: VSW508488 to R58.03 Supplement 0	20.11.2020	ALL
6A	Vehicle Access and Manoeuvrabuility	United Kingdom	Stage 2: VCA report: VSP292781 to EU/130/2012	28.01.2014	All
9A	Braking	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: VSR330079 to UN ECE R13.11 Supp. 9	12.06.2015	All
10A	Radio Suppression	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		Ireland	Stage 2: Reference EMC list of all potential EMC Components& Reports	17/06/2020	All
		United Kingdom	Stage 2: VSR330081 to UN ECE R10.04 Supp. 2	12.06.2015	All
13B	Anti Theft and Immobiliser	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: VCA report VSP292780 to UN ECE R116.00 Supp. 0	15.01.2014	All
15A	Seat Strength	Italy	Row 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Rows 2, 3 & 4: VCA report: VSP292788 to UN ECE R17.08 Supp. 1	15.01.2014	All
16A	Exterior Projections	United Kingdom	Stage 2: VCA report: VSP292782 to UN ECE R26.03 Supp. 1	28.01.2014	All
18A	Statutory Plates	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: VCA report: VWP291630 to 2007/46/EC Annex XVII	16.04.2014	All
19A	Seat Belt Anchorages	Italy	Row 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: MIRA report: MIRA-1026804-02a to UN ECE R14.07 Supp. 0, contained in VCA folder: VSL228435	07.09.2011	All
		United Kingdom	VSV484160 to UN ECE R14.07 Supp. 6-8	03.07.2020	All
20A	Installation of Lights and Light Signalling Devices	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: VCA report: VSP292785 to UN ECE R48.03 Supp. 5 and VSR330080 to UN ECE R48.04 Supp. 7	10.04.2014 and 12.06.2015	All
31A	Seatbelts	Italy	Row 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Rows 2, 3 & 4: VCA reports: VSP292787 to UN ECE R16.04 Supp. 16 and VSR330078 to UN ECE R16.06 Supp. 5	15.01.2014 and 12.06.2015	All
36A	Heating Systems	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: VCA report: VSP292784 to UN ECE R122.00 Supp. 1	10.04.2014	All
44A	Masses and Dimensions (Cars)	United Kingdom	Stage 2: VCA report: VSP292786 to EU/1230/2012	10.04.2014	All
45A	Safety Glass	Italy	Stage 1: See e3*2007/46*0049*29	03/02/2021	All
		United Kingdom	Stage 2: VCA report: VSP292783 to UN ECE R43.01 Supp. 1	28.01.2014	All
48	Masses and Dimensions	Italy	Stage 1: See e3*2007/46*0049*29 plus Section 2.6 Weight Calculations	03/02/2021	All
50A	Couplings	-	Not applicable	-	-

Signed
Eugene Keenan

Eugene Keenan

Position in Company Quality Control Assistant
Date 25 August 2021

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
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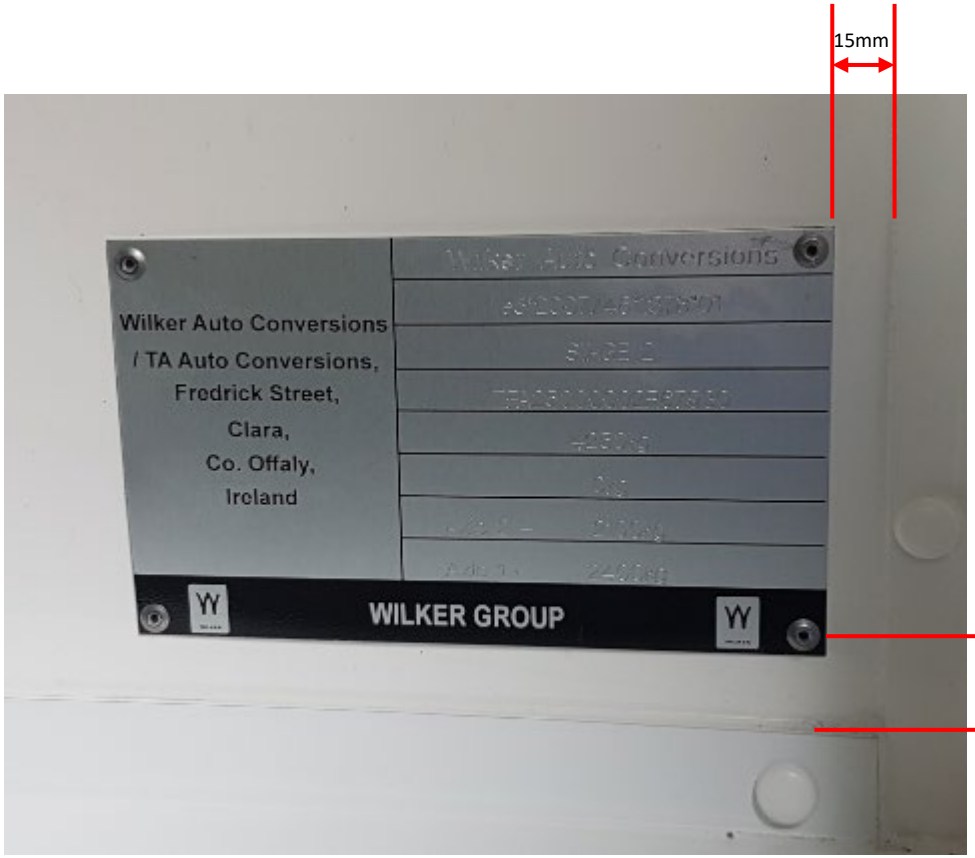
Wilker Auto Conversions	**Customer:**	**South East Coast Ambulance Service**	
	Vehicle:	**Fiat Ducato Van Ambulance**	
		08-06-2021 E.K	

Section: 0.6 **Location of Statutory plates and inscriptions and method of affixing.**

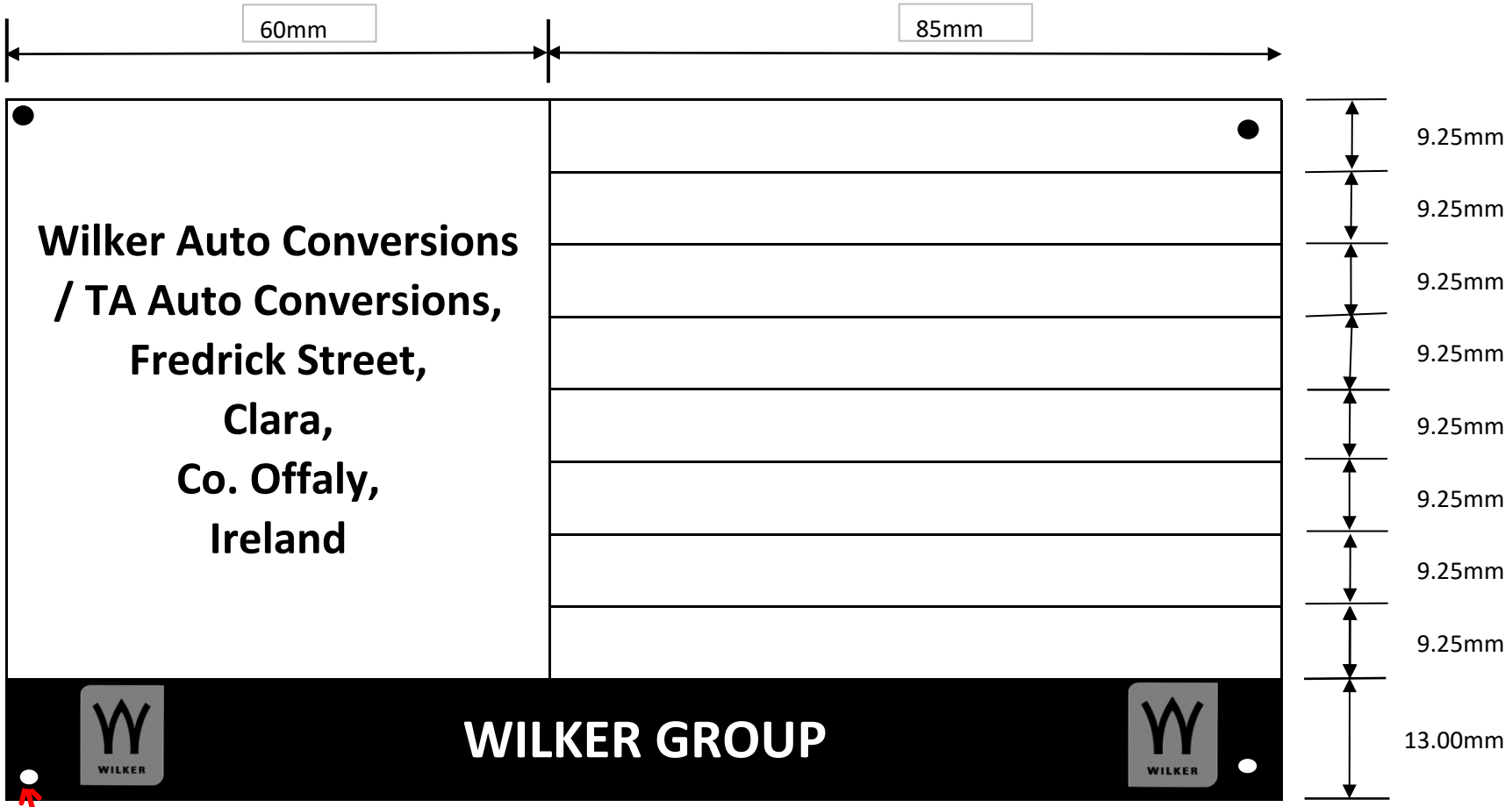
DRAWINGS/PHOTOS



Second Stage VIN Plate riveted to Bulkhead behind Passengers seat.

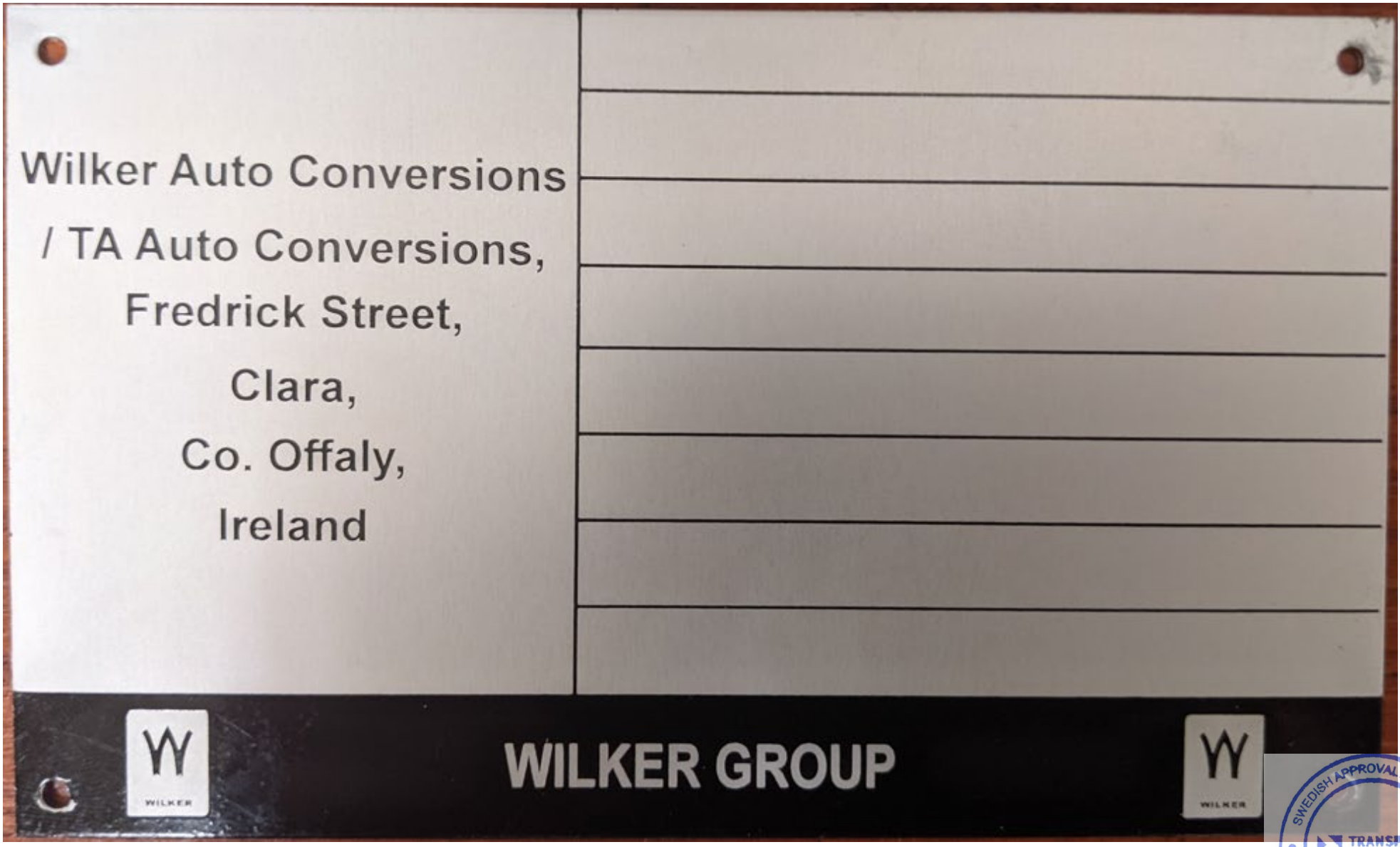
Stage 2 VIN Plate Template to EU Regulation 2018/858

Note: All characters scribed on the VIN Plate must be 4mm high



VIN Plate has 4No. 3mm holes in the corners to allow Riveting to the vehicle

Photo of a new Second Stage VIN Plate April 2021



Wilker Auto Conversions	Customer:	South East Coast Ambulance Service	
	Contract Number:	SECAMB A&E Ambulance	

Section 1.1 **Photographs of completed vehicle**

Section 1.1 Photographs of completed vehicle

Section 1.1 Photographs of completed vehicle

Section 1.1 Photographs of completed vehicle

Section 1.1 Photographs of completed vehicle

Section 1.1 Photographs of completed vehicle

Section 1.1 Photographs of completed vehicle

Jany 862 Seats

EVS 1860 Rear Facing

Section 1.1 Photographs of completed vehicle

Stedall Electric Cassette 600mmStep

Section 1.1 Photographs of completed vehicle

Section 1.1 Photographs of completed vehicle

SECAS May 2020 External Layout & Dimensional Drawings of the whole vehicle

SECAS Nearside External View

SECAS Offside External View

SECAS Front External View

SECAS Rear External View

SECAS Roof External View

WUK400553 Nearside View

WUK400553 Offside View

WUK400553 Front View

WUK400553 Rear View

WUK400553 Roof View

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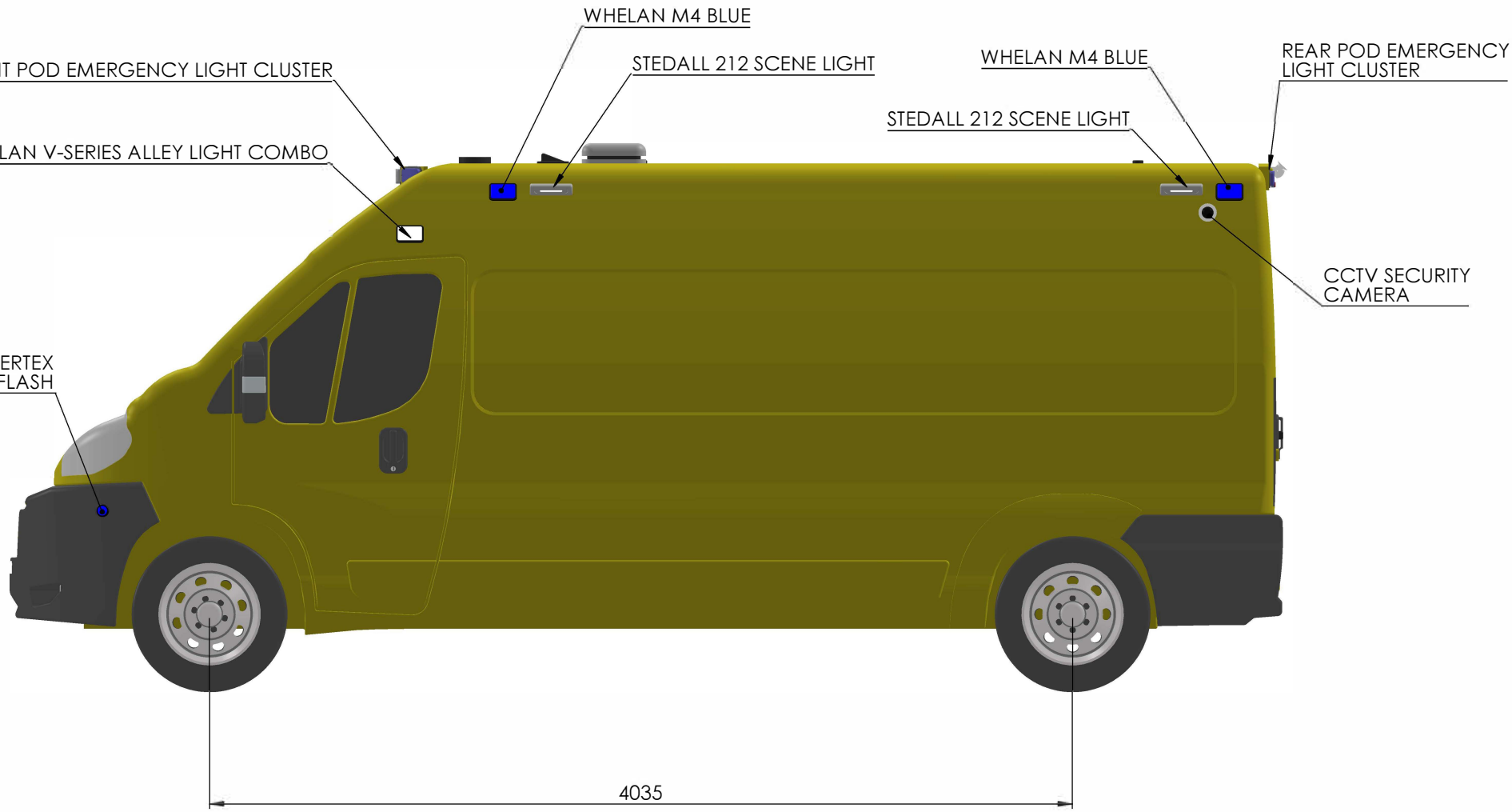

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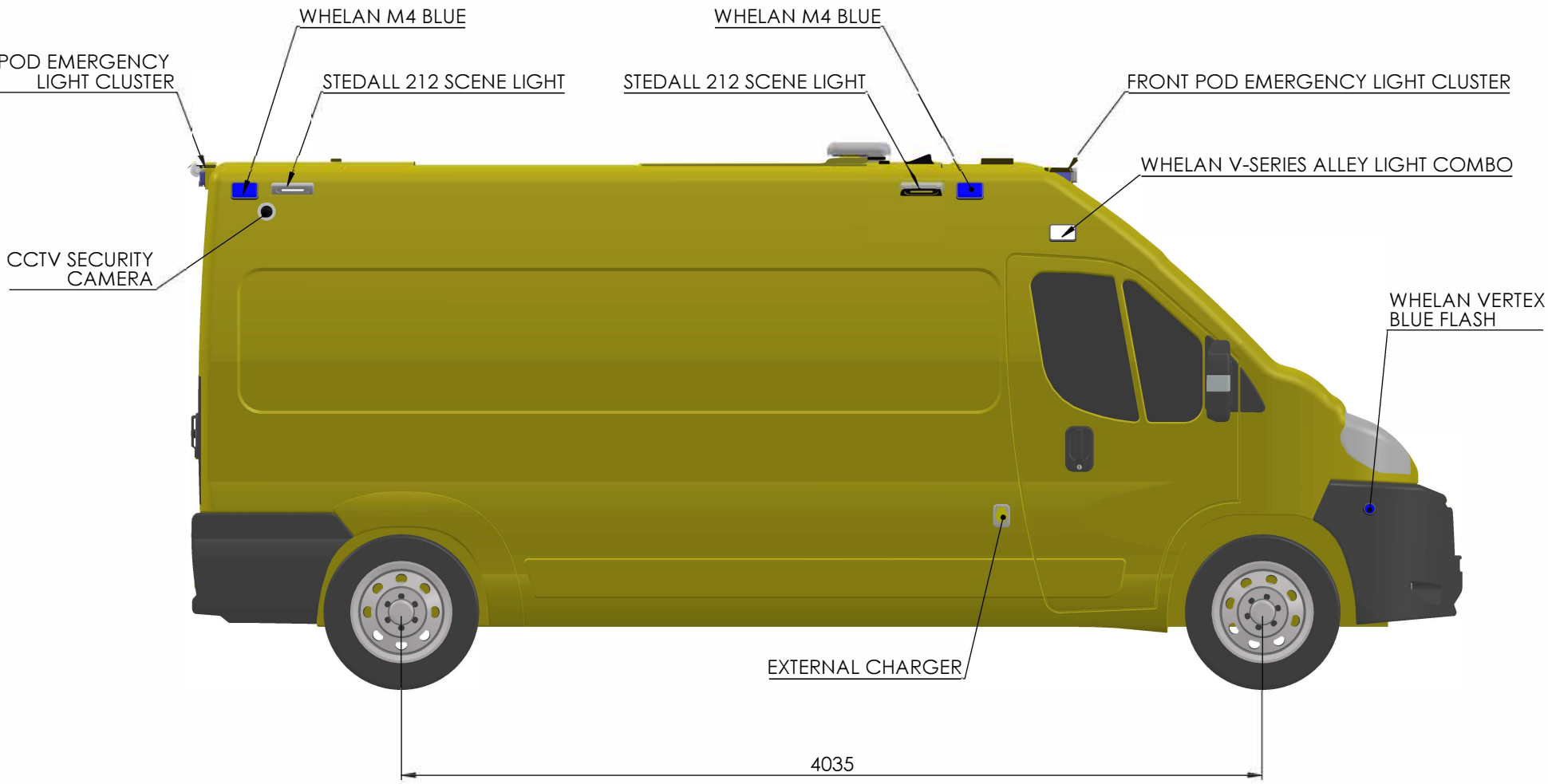
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

DRAWN	O WEBSTER
DATE	19/05/2020
MATERIAL:	N/A
CLIENT	SECAMB A&E
TITLE:	NEARSIDE VIEW
CONTRACT	Q1442 - WVTA
DWG NO.	WUK400553
SCALE:1:50	A4
SHEET 3 OF 5	

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET



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TOLERANCES:
LINEAR:
ANGULAR:

DRAWN	O WEBSTER
DATE	19/05/2020
MATERIAL:	N/A
CLIENT	SECAMB A&E
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DWG NO.	WUK400553
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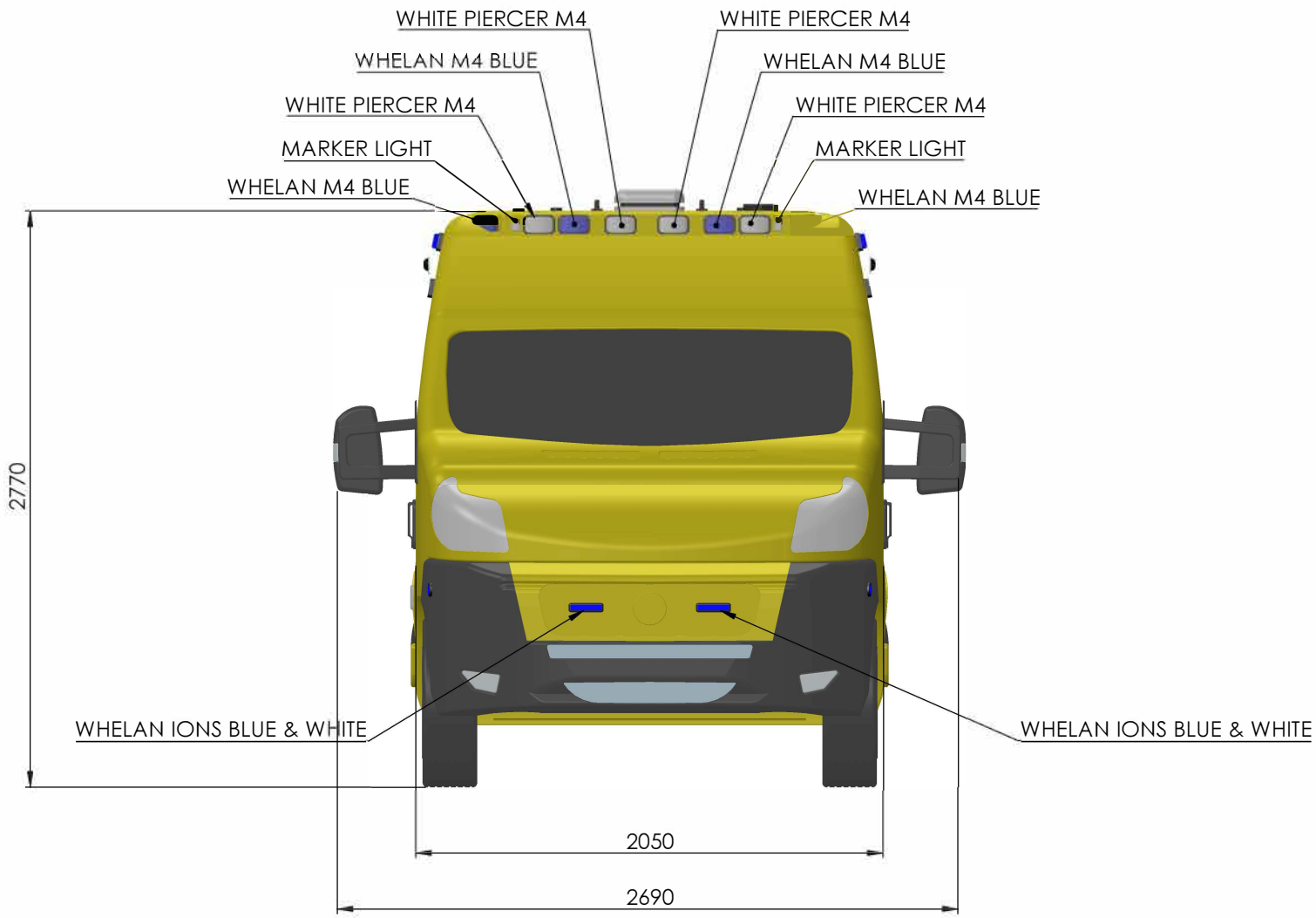
SHEET 1 OF 5	



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TOLERANCES:
LINEAR:
ANGULAR:

DRAWN	O WEBSTER
DATE	19/05/2020
MATERIAL:	N/A
CLIENT	SECAMB A&E
TITLE:	FRONT VIEW
CONTRACT	Q1442 - WVTA
DWG NO.	WUK400553
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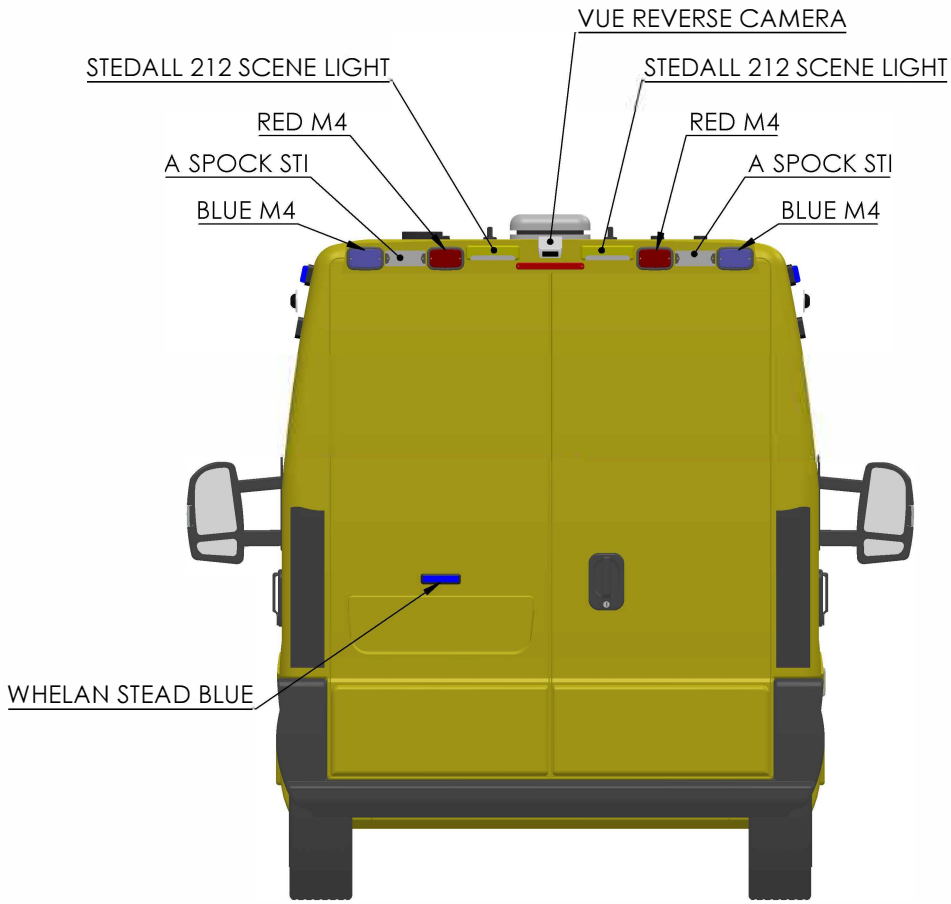
SHEET 2 OF 3	

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET



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TOLERANCES:
LINEAR:
ANGULAR:

DRAWN	O WEBSTER
DATE	19/05/2020
MATERIAL:	N/A

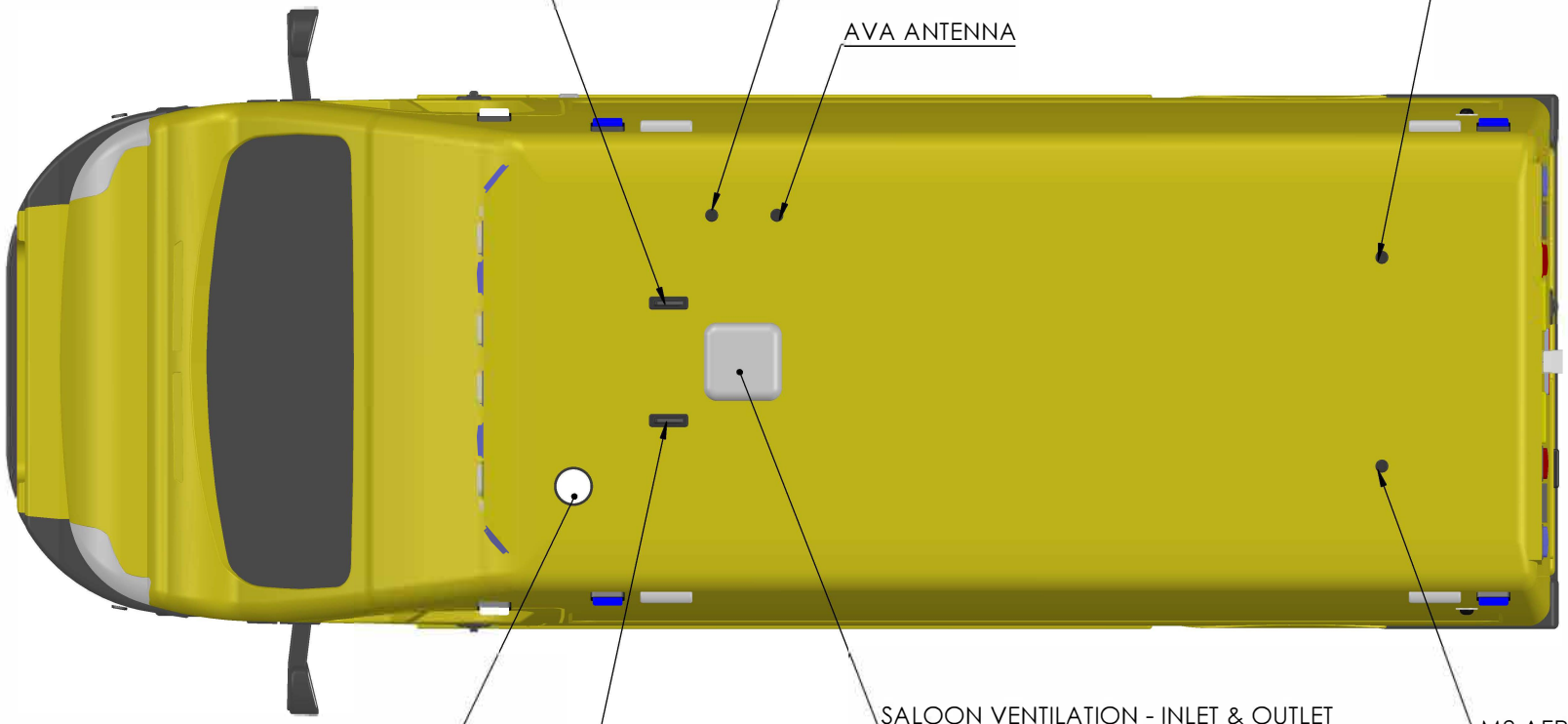
CLIENT: SECAMB A&E

TITLE: REAR VIEW

CONTRACT: Q1442 - WVTA

DWG NO.: WUK400553

SCALE:1:50 A4 SHEET 4 OF 5



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TOLERANCES:
LINEAR:
ANGULAR:

DRAWN	O WEBSTER
DATE	19/05/2020
MATERIAL:	N/A
CLIENT	SECAMB A&E
TITLE:	ROOF VIEW
CONT RACT	Q1442 - WVTA
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SCALE:1:50	A4
SHEET 5 OF 5	

SECAS May 2020 Internal Layout and Dimensional Drawings of the whole vehicle

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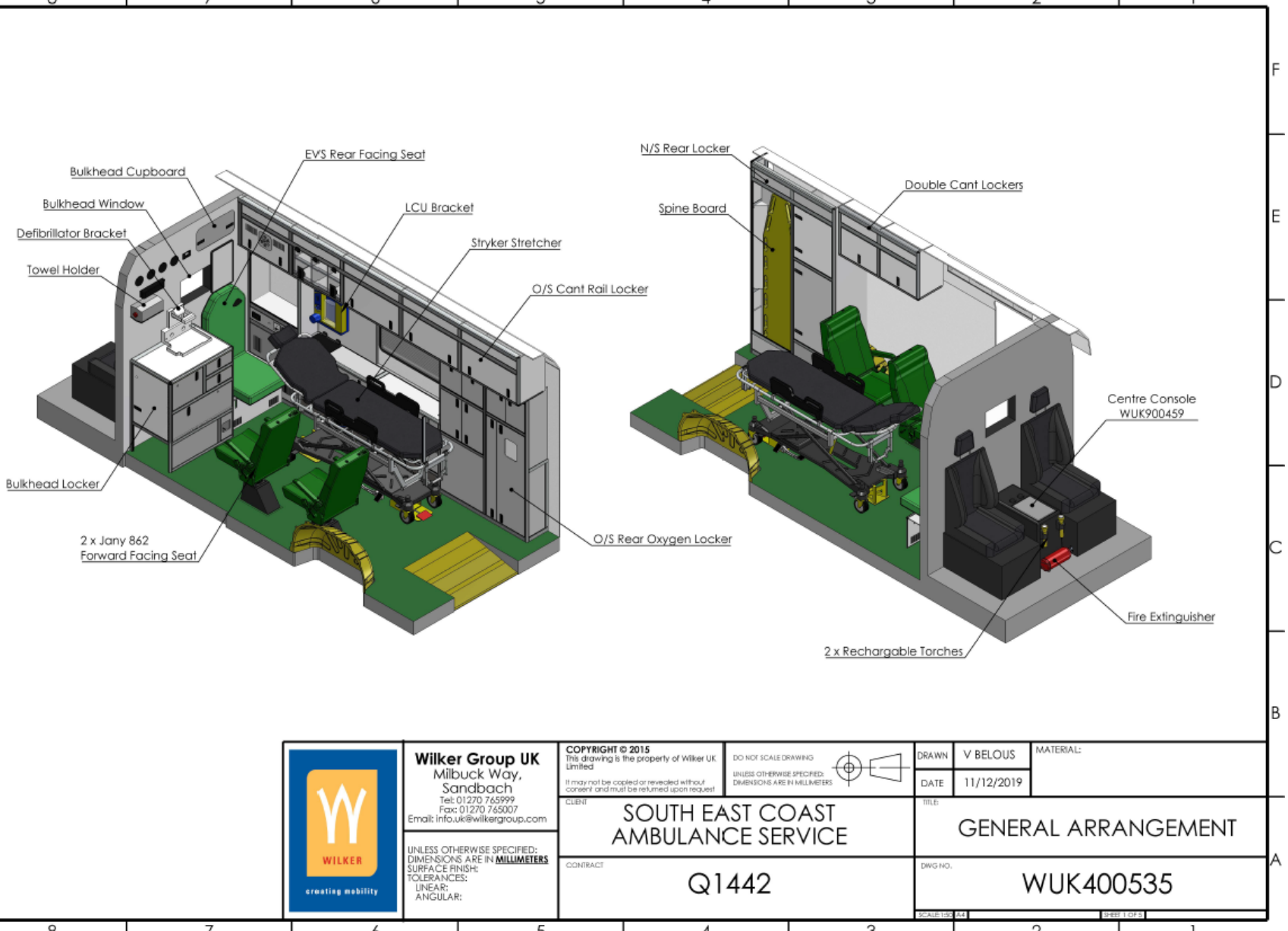
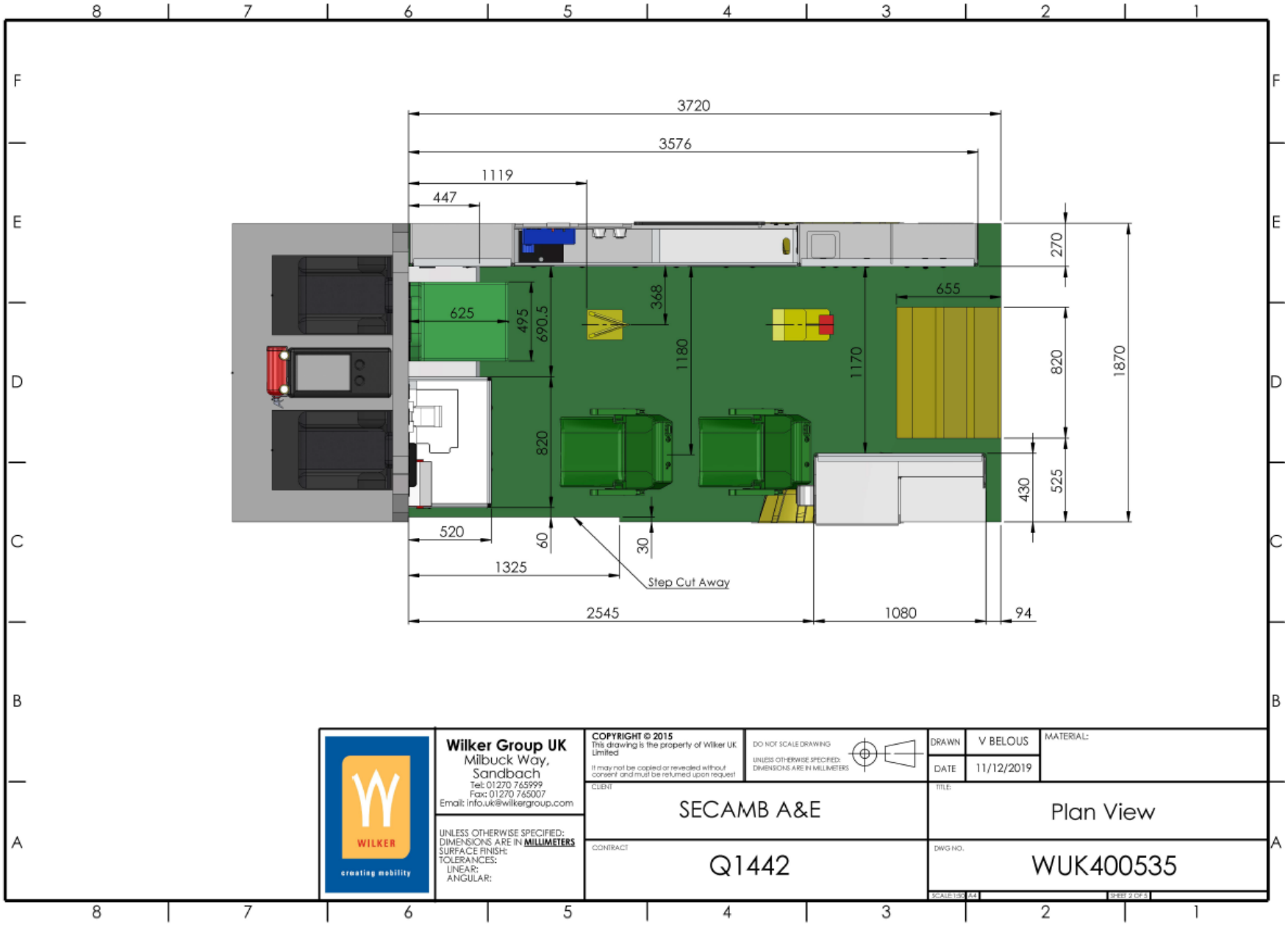
Section 1.2 Dimension Layout Drawing



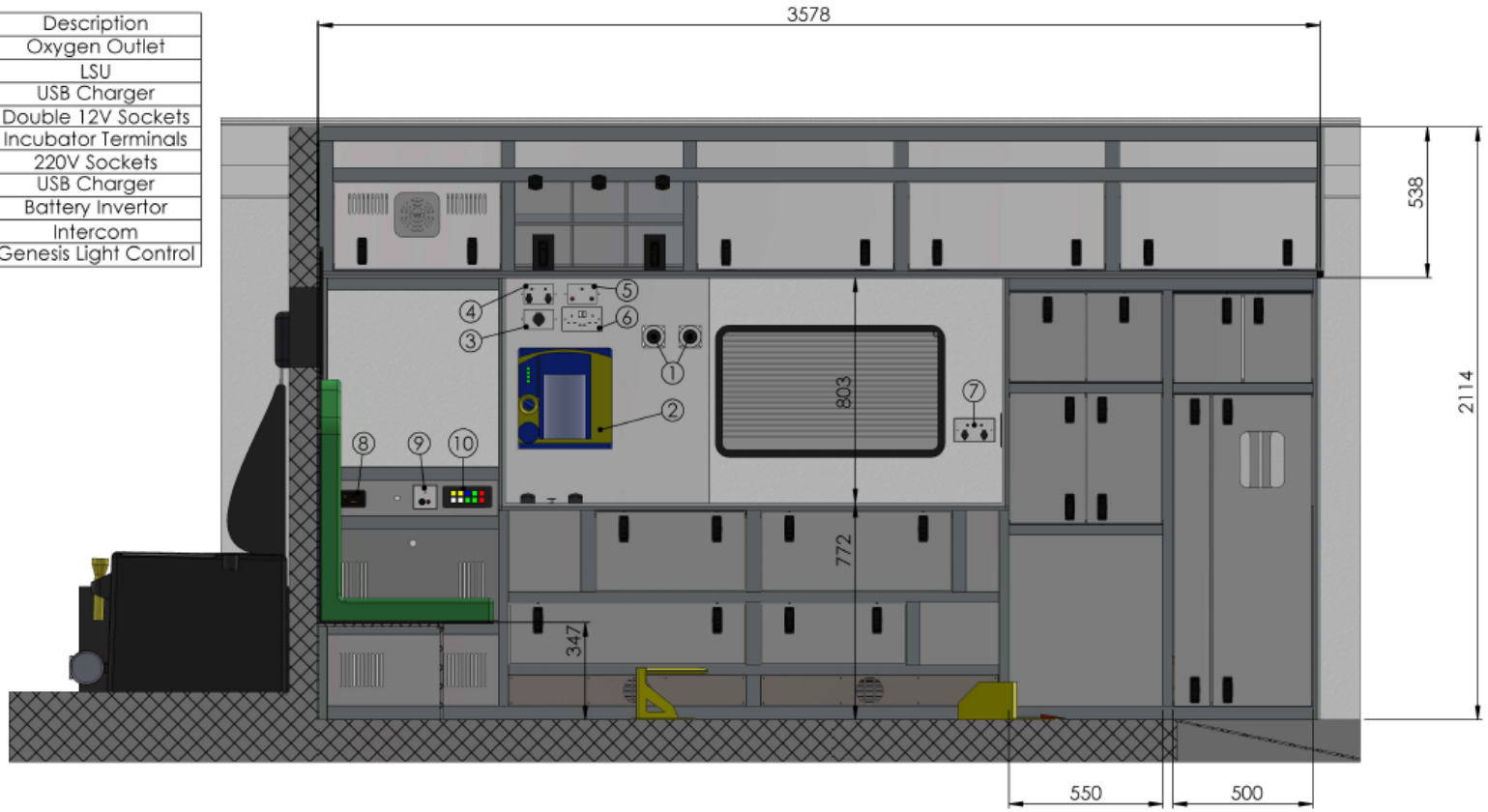
Wilker Auto Conversions	Customer:	South East Coast Ambulance Service
	Contract Number:	SECAMB A&E Ambulance

Section 1.2 — Dimension Layout Drawing



Section 1.2 Dimension Layout Drawing

Number	Description
1	Oxygen Outlet
2	LSU
3	USB Charger
4	Double 12V Sockets
5	Incubator Terminals
6	220V Sockets
7	USB Charger
8	Battery Invertor
9	Intercom
10	Genesis Light Control



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DRAWN: V BELOUS
DATE: 11/12/2019
MATERIAL:

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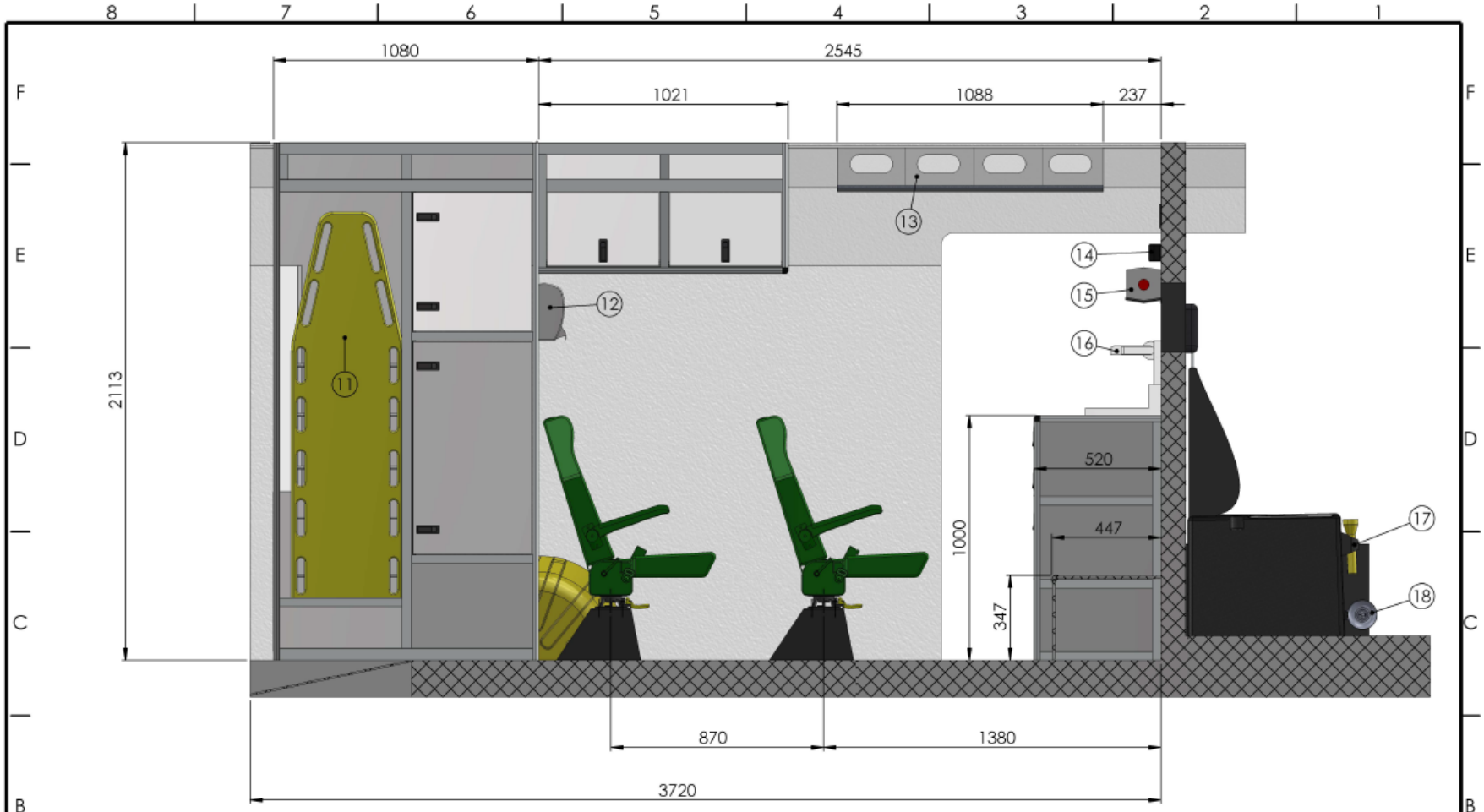
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

CLIENT: SECAMB A&E
TITLE: Offside View
CONTRACT: Q1442
DWG NO.: WUK400535
SCALE: 1:50 A4
SHEET 3 OF 3

Wilker Auto Conversions	Customer:	South East Coast Ambulance Service
	Contract Number:	SECAMB A&E Ambulance

Section 1.2 — Dimension Layout Drawing



Number	Description
11	Spine Board
12	Gel Dispenser
13	Glove Box
14	Physio Control
15	Towel Holder
16	Defibrillator Bracket
17	Rechargable Torches
18	Fire Extinguisher

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TOLERANCES: LINEAR: ANGULAR:

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DATE: 11/12/2019
MATERIAL:

CLIENT: SECAMB A&E
CONTRACT: Q1442
TITLE: Nearside View
DWG NO.: WUK400535
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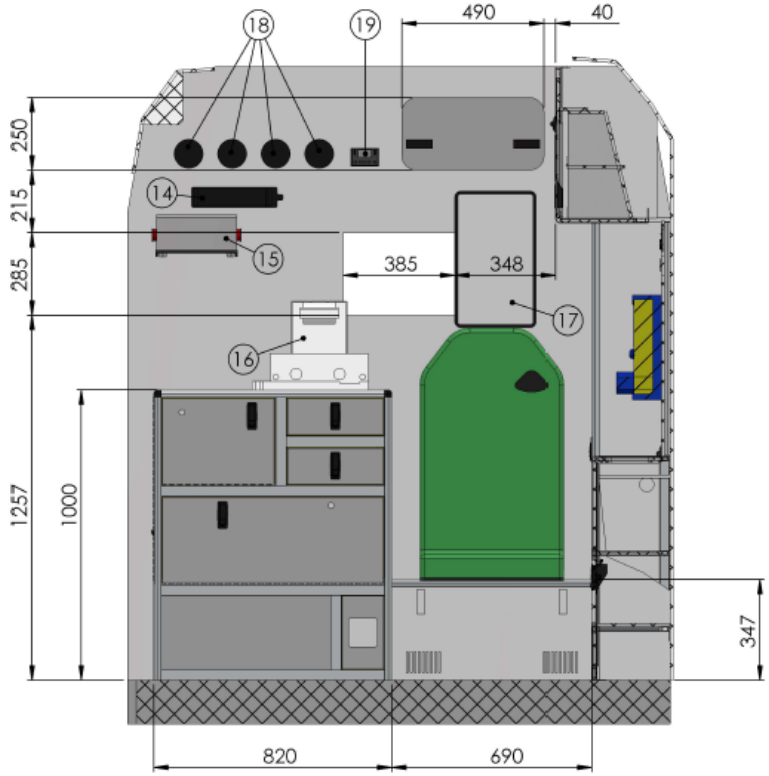
SHEET 4 OF 6

Section 1.2 Dimension Layout Drawing



Number	Description
14	Physio Control
15	Towel Holder
16	Defibrillator Bracket
17	White Board
18	Air Vents
19	Temperature Control

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TOLERANCES:
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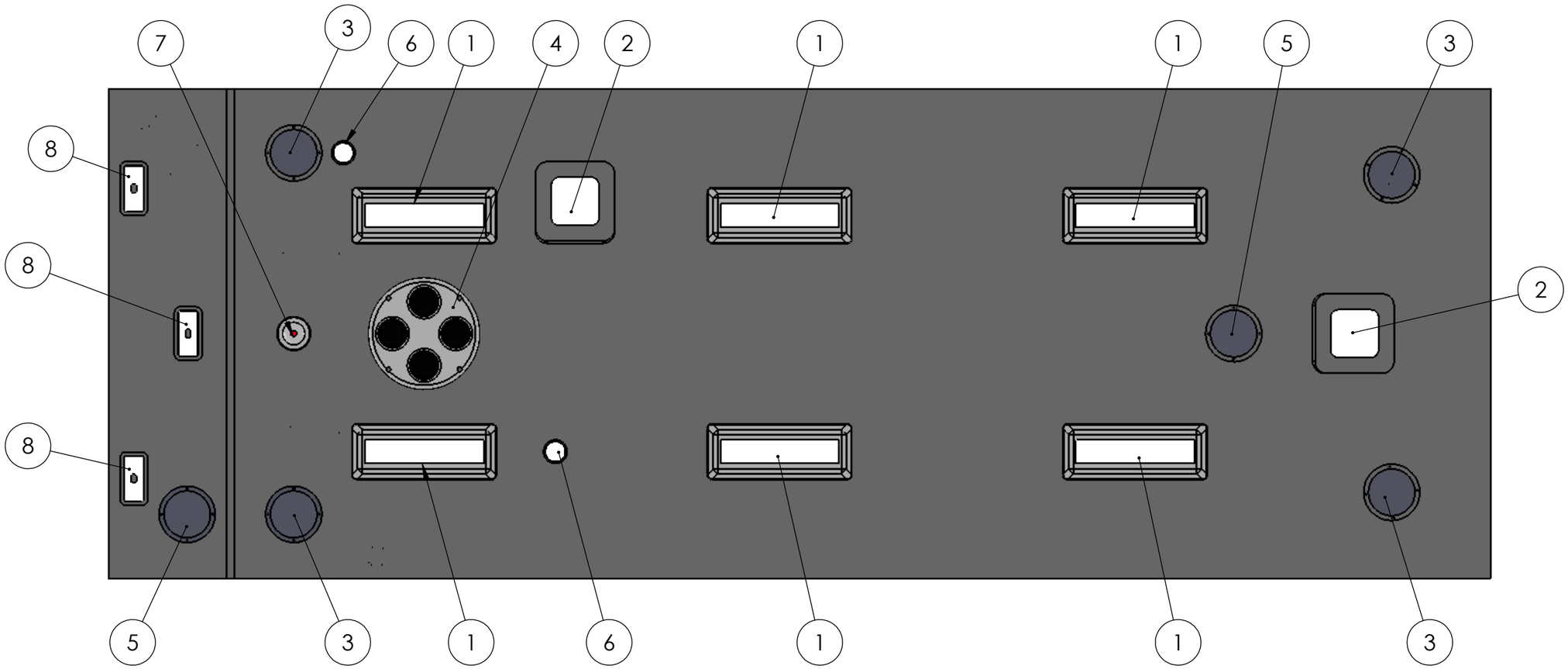
DRAWN: V BELOUS
DATE: 11/12/2019
MATERIAL:

CLIENT: SECAMB A&E
CONTRACT: Q1442
TITLE: Bulkhead
DWG NO.: WUK400535
SCALE 1:50 A4 SHEET 5 OF 5



Item No.	Description
1	SL36 Ceiling Light
2	SL36 On Wedge - entry light
3	Antenna Access Cover
4	Ventilation Aerator - Inlet & Outlet
5	Speaker
6	Adjustable LED Spotlight
7	CCTV Camera
8	Cab Map Light

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LINEAR:
ANGULAR:

DRAWN: O WEBSTER
DATE: 05/05/2020
MATERIAL: N/A

CLIENT: SECAMB

TITLE: SECAMB A&E - Roof Layout - Internal

CONTRACT: Q1442

DWG NO. WUK400551

SCALE:1:50 A4 SHEET 2 OF 2

SECAS May 2020 Internal Drawing of the Lockers

SECAS Bulkhead Lockers ISO View

SECAS Bulkhead Lockers Dimensions

SECAS Cantrail Locker ISO View

SECAS Trauma Wall ISO View

SECAS Nearside Scoop Locker ISO View

SECAS Nearside Cantrail Locker ISO View

ISO View Bulkhead Locker - WUK400553

Dimensions Bulkhead Locker - WUK400553

Dimensions Cantrail Locker - WUK400553

Dimensions Trauma Wall - WUK400553

Dimensions Nearside Scoop - WUK400553

Dimensions Cantrail - WUK400553

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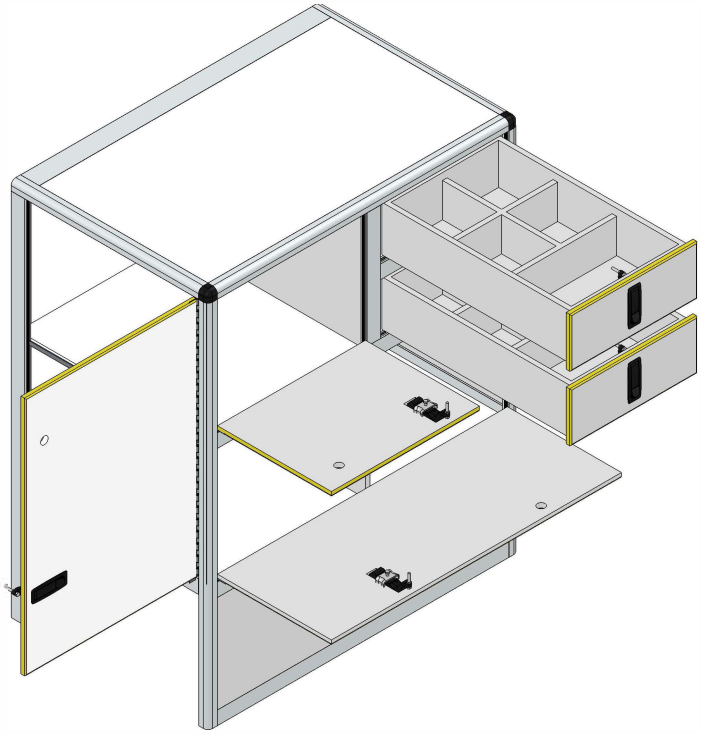

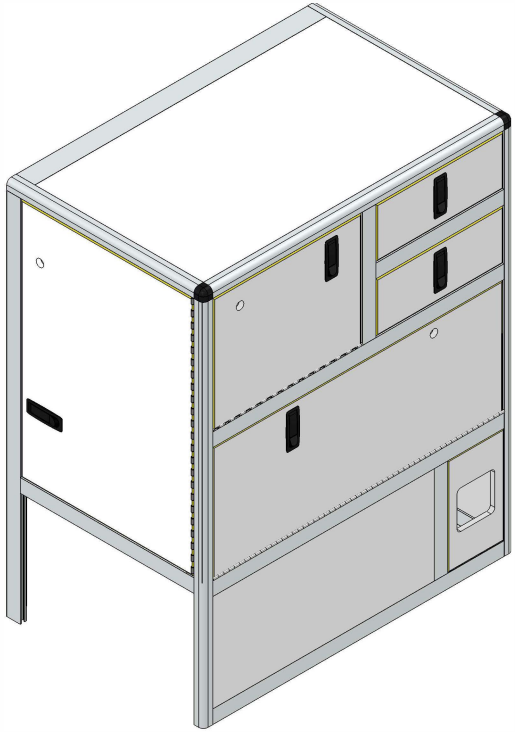

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TOLERANCES:
LINEAR:
ANGULAR:

DRAWN	V BELOUS
DATE	10/12/2019
MATERIAL:	

CLIENT: SECAMB A&E

CONTRACT: Q1442

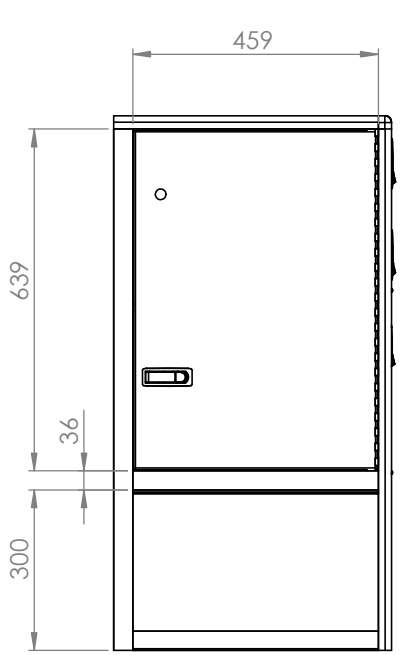
TITLE: ISO View - Bulkhead Locker

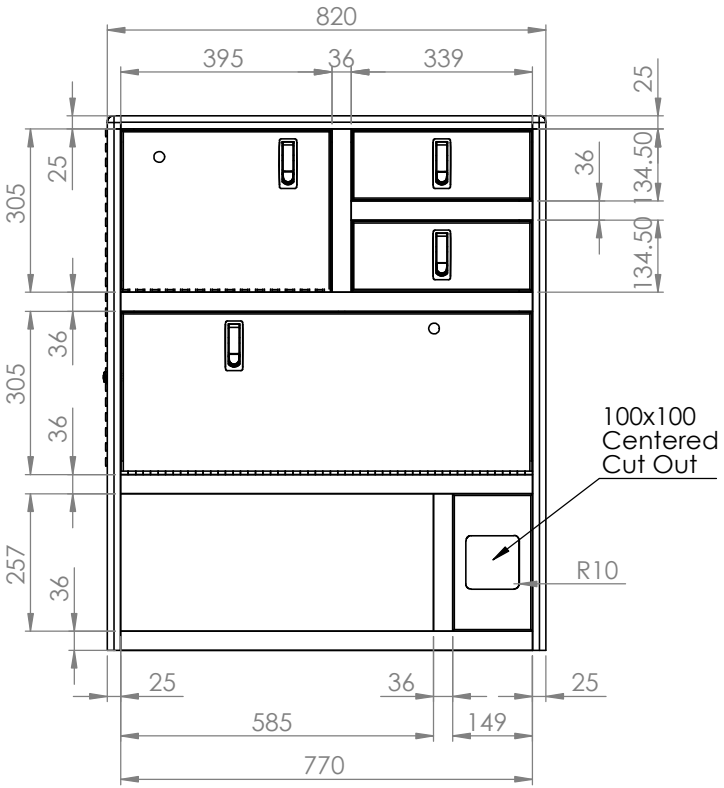
DWG NO: WUK400535

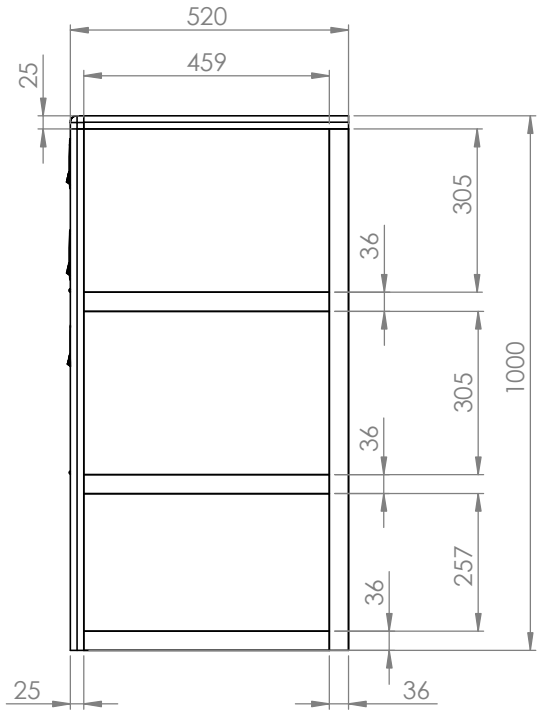
A

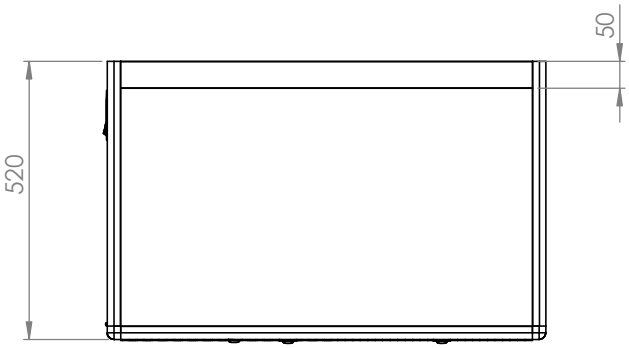
SCALE:1:10 A4

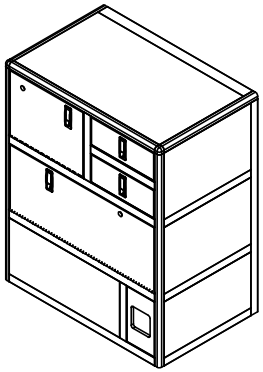
SHEET 1 OF 2











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Sandbach
Tel: 01270 765999
Fax: 01270 765007
Email: info.uk@wilkergroup.com

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LINEAR:
ANGULAR:

DRAWN	V BELOUS
DATE	10/12/2019
MATERIAL:	

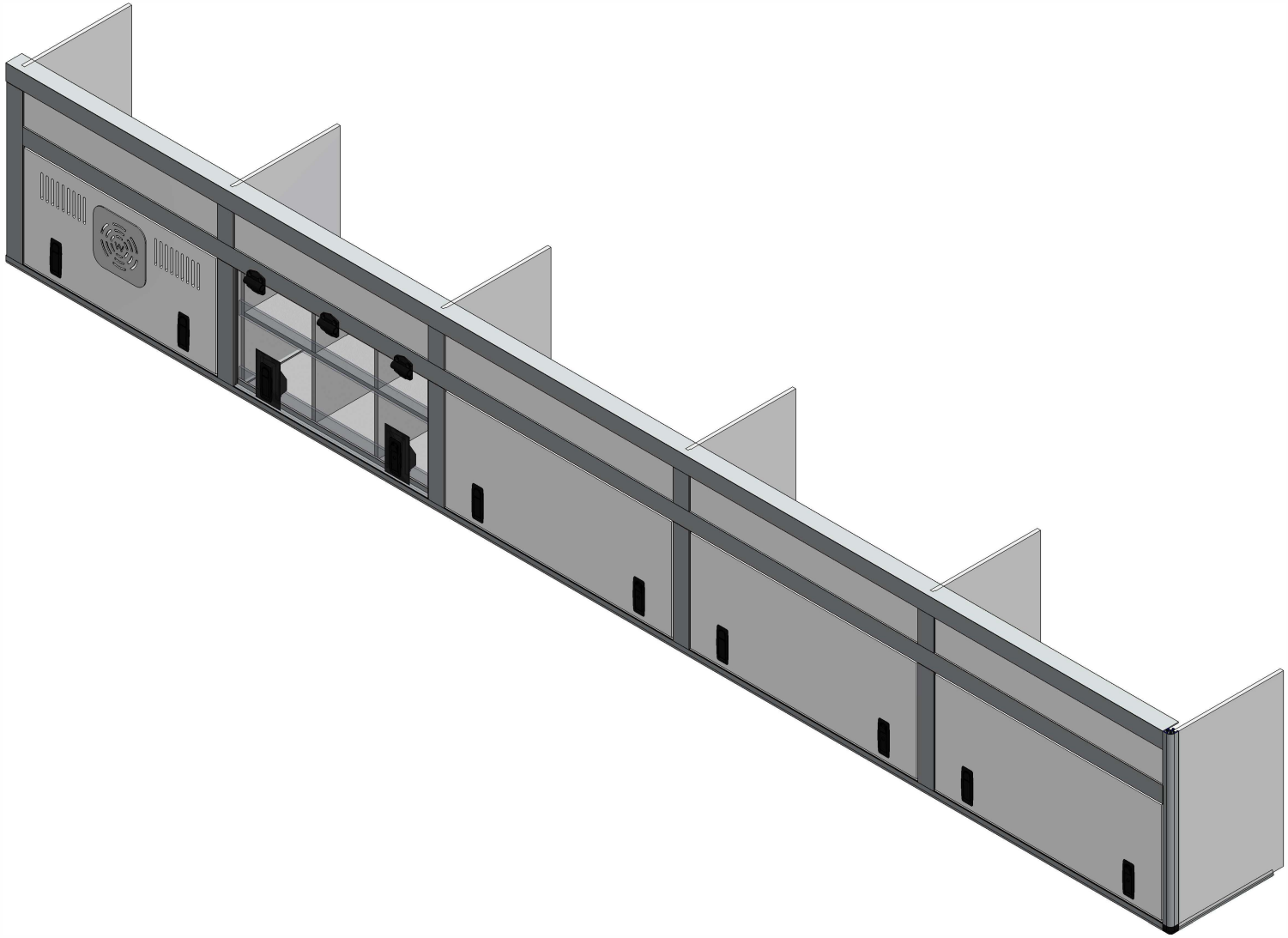
CLIENT
SECAMB A&E

TITLE:
Dimensions-Bulkhead Locker

CONTRACT
Q1442

DWG NO.
WUK400535

SCALE:1:10 A4 SHEET 2 OF 2



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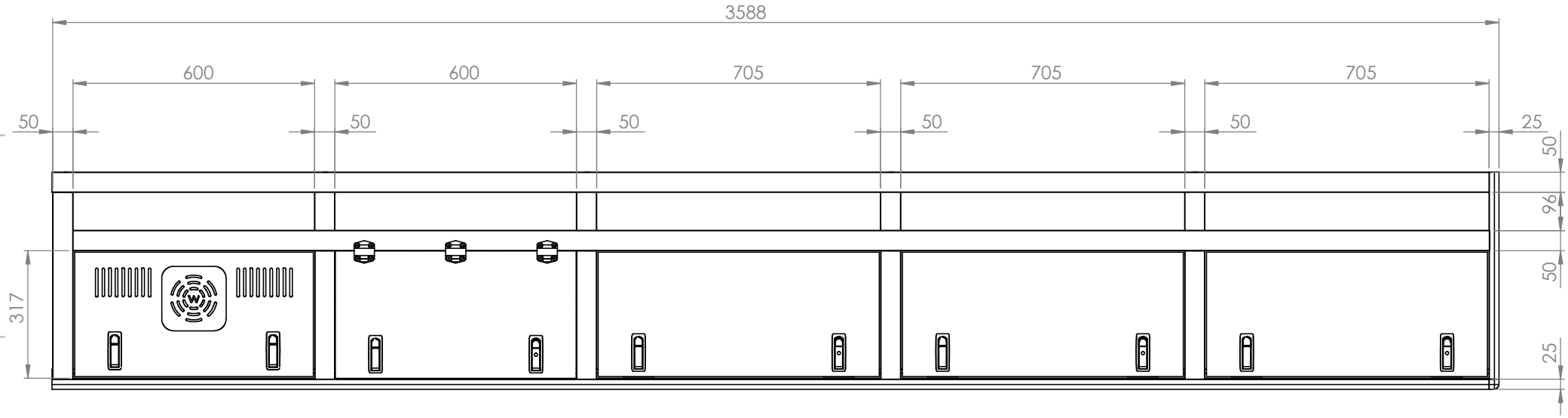
CLIENT: SECAMB A&E

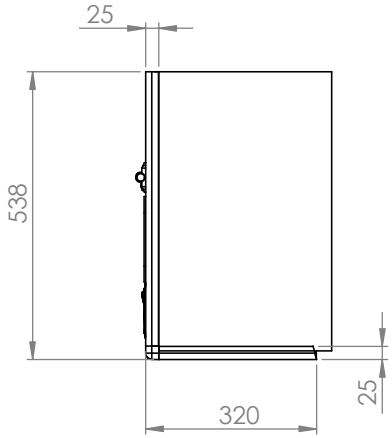
CONTRACT: Q1442

TITLE: ISO View - Cantrail Locker

DWG NO: A WUK400535

SCALE:1:20 A4 SHEET 1 OF 2





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DATE	10/12/2019

MATERIAL:

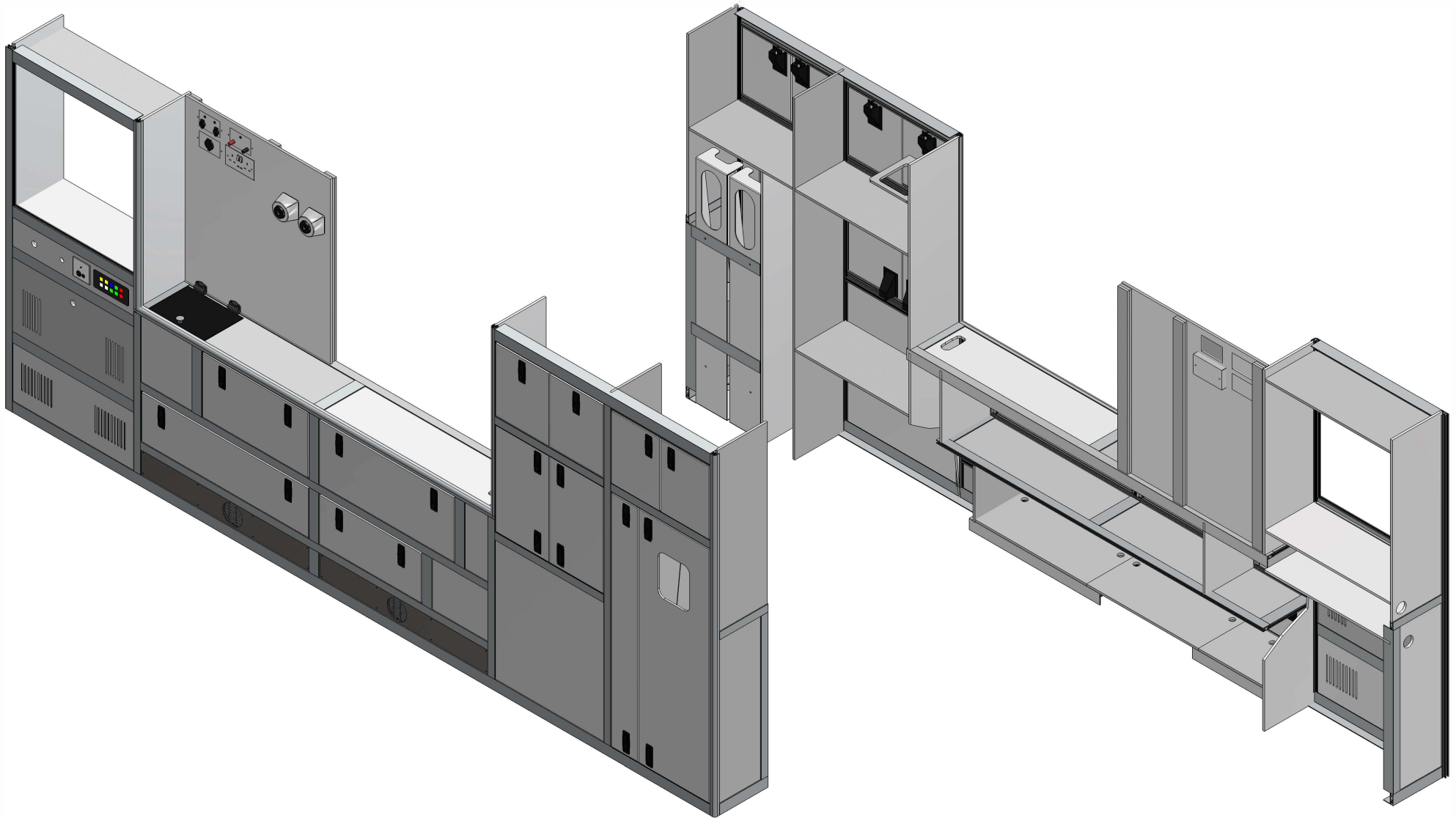
CLIENT
SECAMB A&E

TITLE:
Dimensions - Cantrail Locker

CONTRACT
Q1442

DWG NO.
WUK400535

SCALE:1:20 A4 SHEET 2 OF 2



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MATERIAL:	

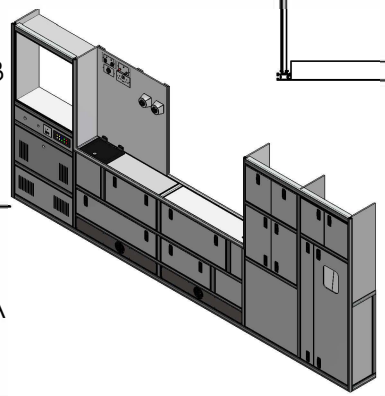
CLIENT: SECAMB A&E

CONTRACT: Q1442

TITLE: ISO View - Trauma Wall

DWG NO.: WUK400535

SCALE:1:20 A4 SHEET 1 OF 2



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DATE	10/12/2019
MATERIAL:	

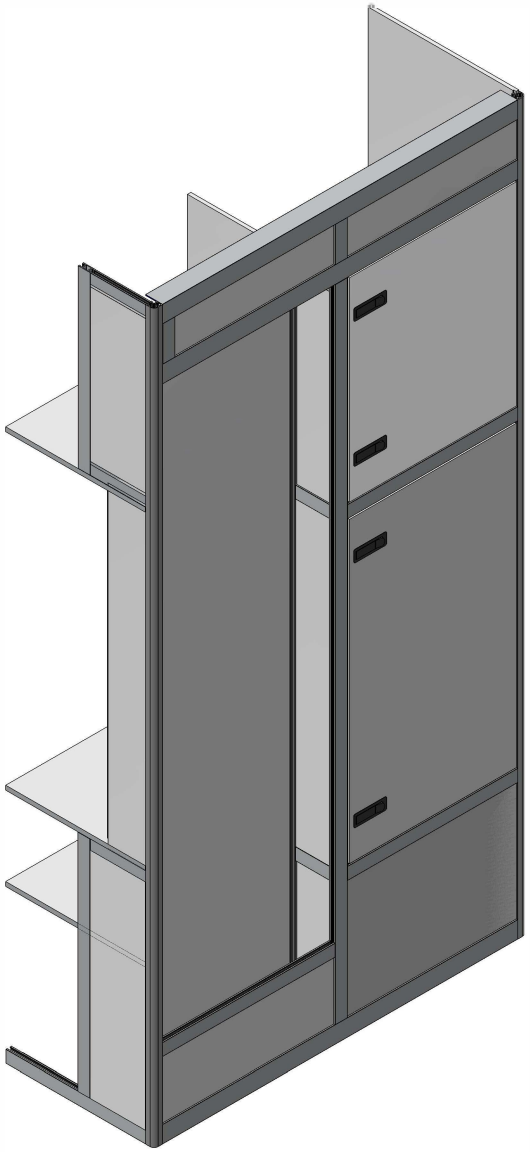
CLIENT: SECAMB A&E

CONTRACT: Q1442

TITLE: Dimensions - Trauma Wall

DWG NO.: WUK400535

SCALE:1:20 A4 SHEET 2 OF 2



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CONTRACT: Q1442

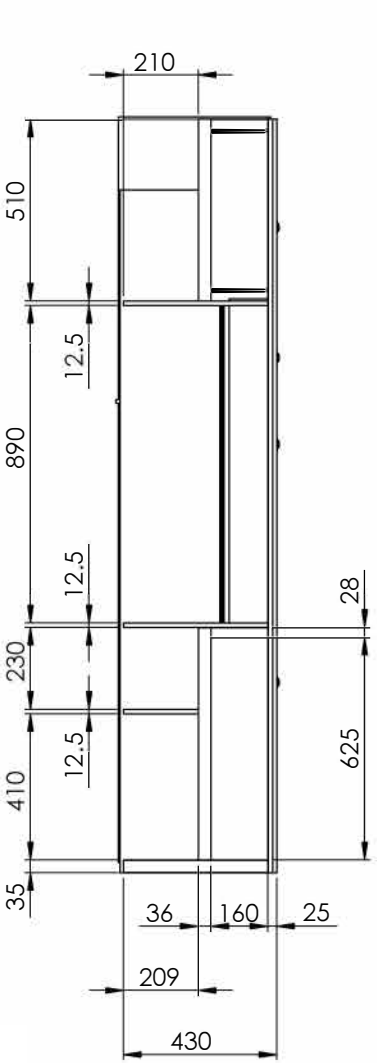
TITLE: ISO View - Nearside Scoop Unit

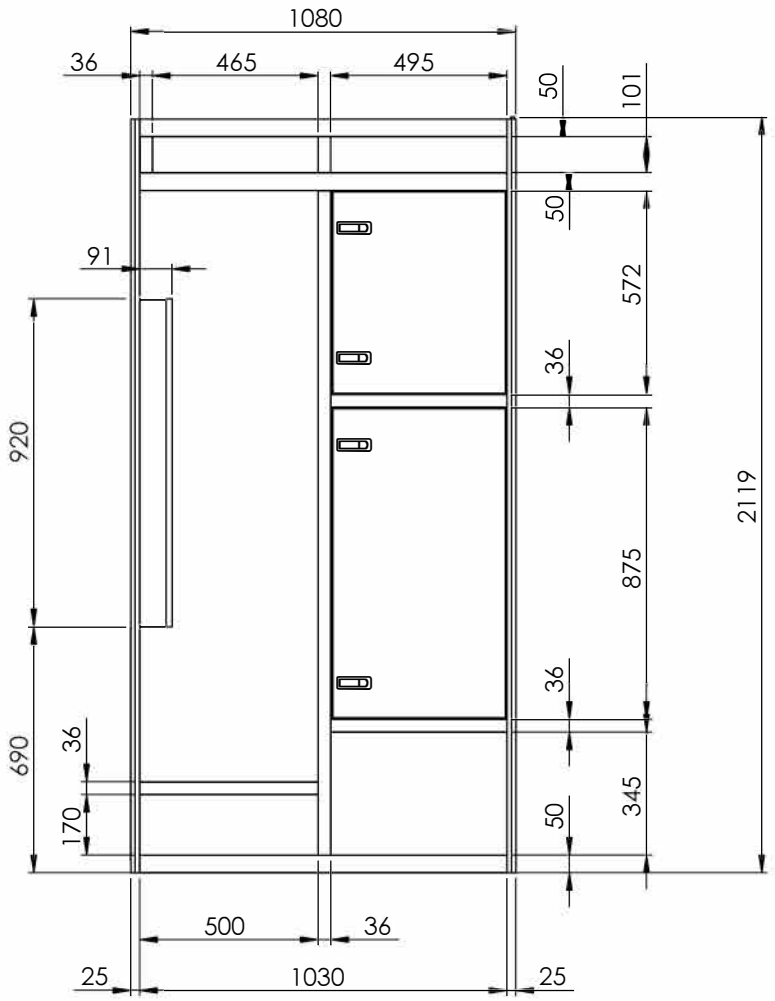
DWG NO: WUK400535

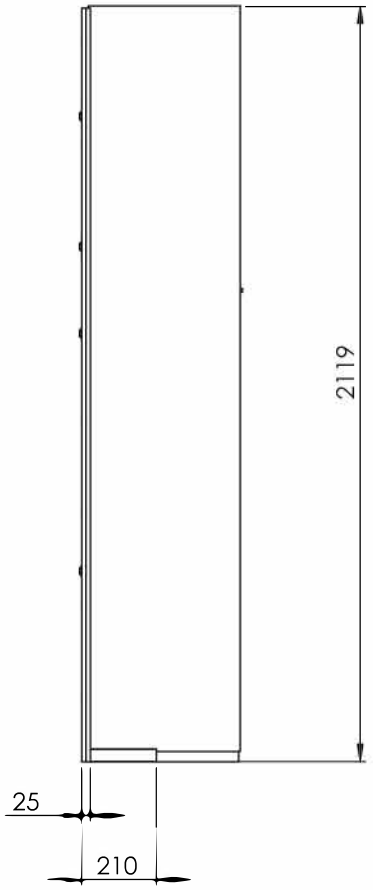
A

SCALE:1:20 A4

SHEET 1 OF 2







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MATERIAL:	

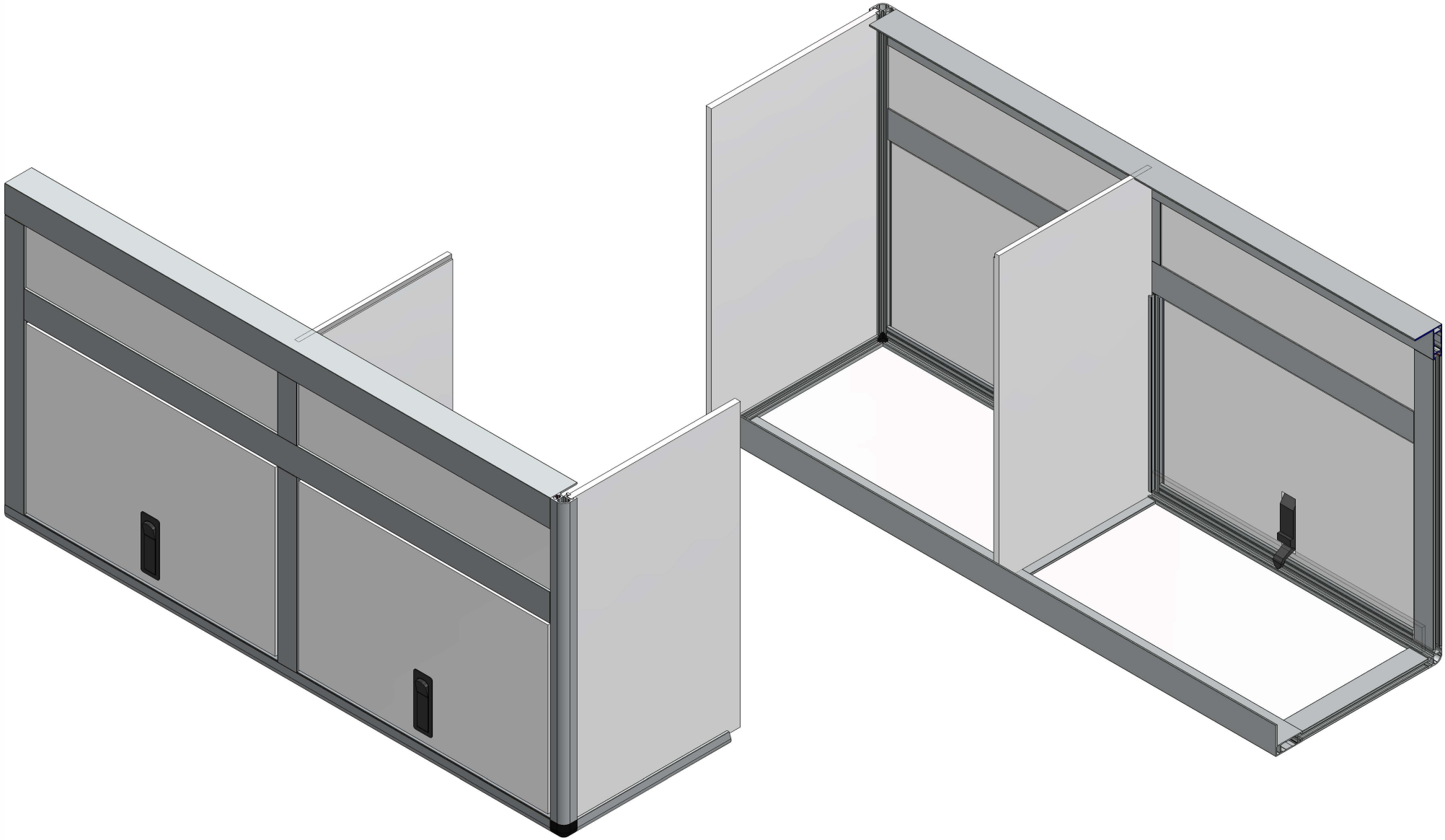
CLIENT
SECAMB A&E

CONTRACT
Q1442

TITLE:
Dimensions- Nearside Scoop

DWG NO.
WUK400535

SCALE:1:20 A4 SHEET 2 OF 2



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MATERIAL:	

CLIENT: SECAMB A&E

CONTRACT: Q1442

TITLE: ISO View - Nearside Contrail

DWG NO: WUK400535 A

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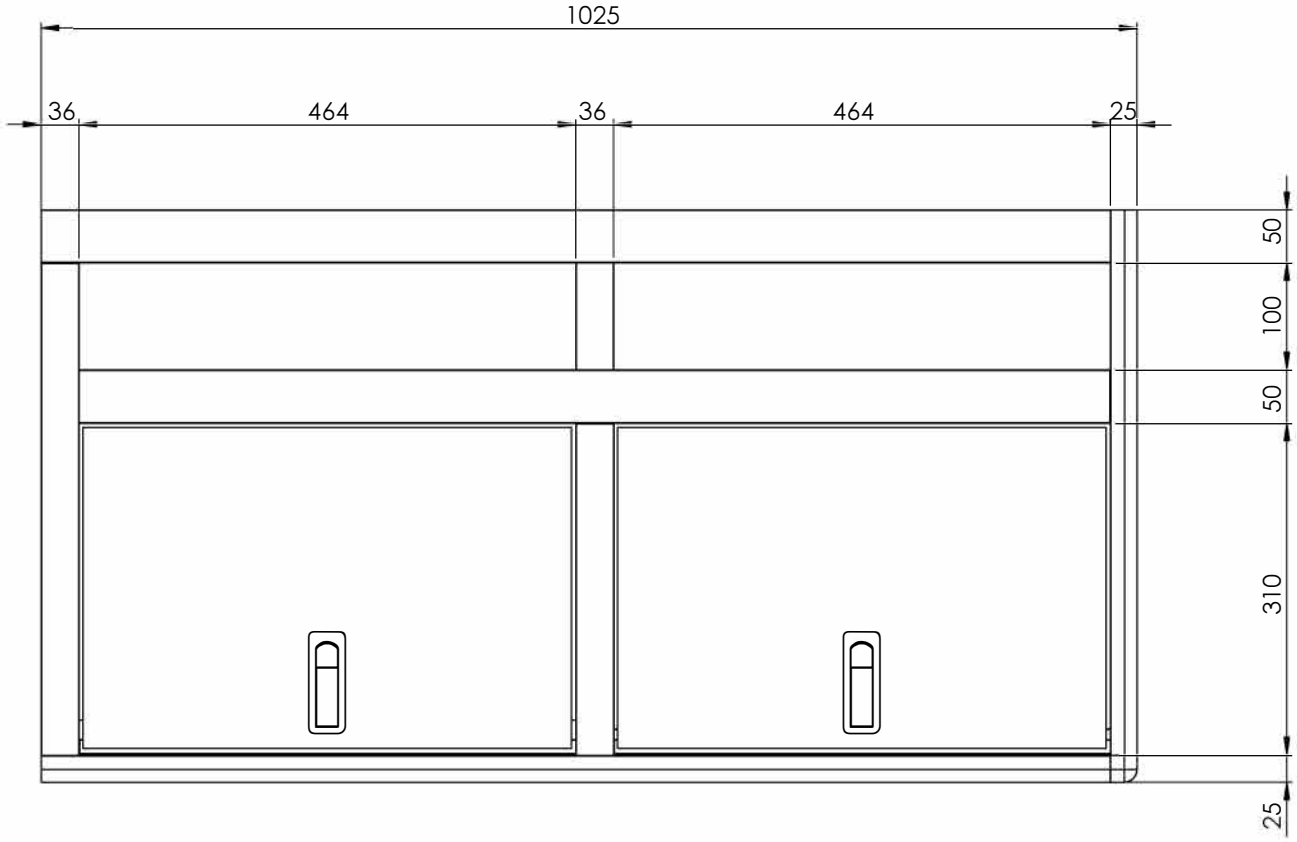

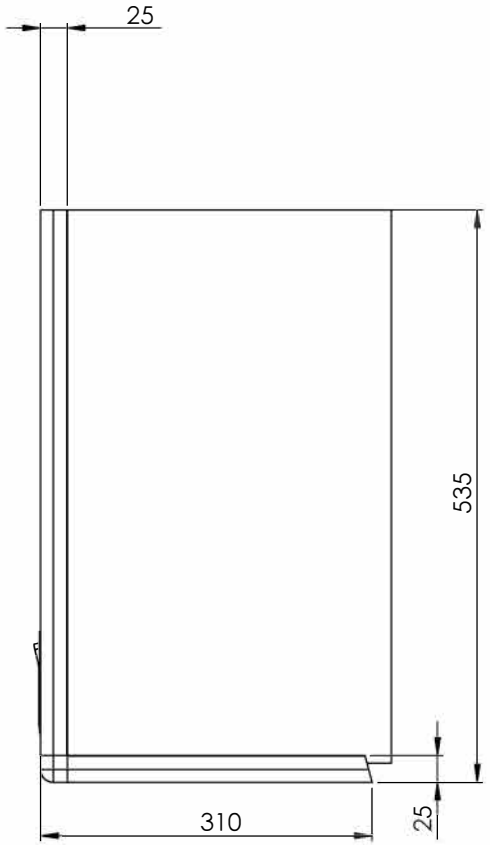

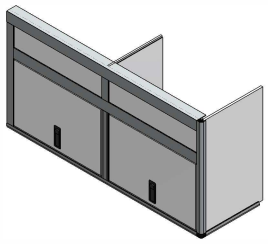

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MATERIAL:	

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CONTRACT: Q1442

TITLE: Dimensians - Nearside Cantrail

DW GNO.: WUK400535

SCALE:1:50 A4 SHEET 2 OF 2

Annex 2.6 Vehicle Masses

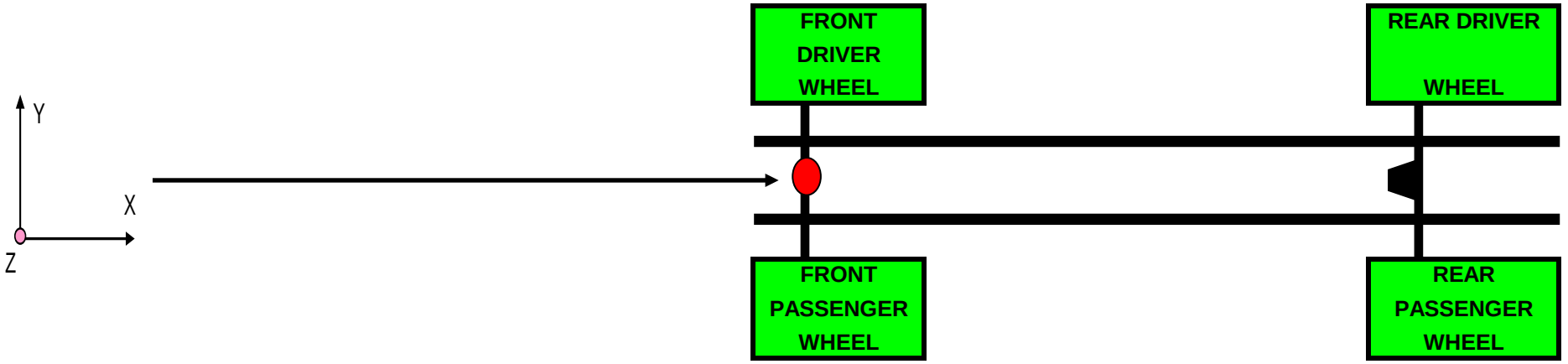
SECAS Weight Calculations FIAT Ducato Long Wheelbase High Roof

WEIGHT TEST SECAS A&E FIAT DUCATO							
COMPLETE AMBULANCE (PANEL VAN CONVERSION)							
FIAT DUCATO							
SECAS							
				Full Diesel			
Unladen				Passenger Side	Driver Side	Total	Plate Wt
Load Cell	Front Axle			904	767	**1671**	**2100**
	Rear Axle			938	874	**1812**	**2400**
Total						**3483**	**4250**

Laden Mass calculation				
Wheelbase	**4035**			
Item	**Mass position**	**Mass on front**	**Mass on rear**	**Total Mass**
People				
Person 1 (driver)	900	58	17	75
Person 2 (front passenger)	900	58	17	75
Person 3 (rear facing attendant)	1750	42	33	75
Person 4 (front fancing attendant	3350	13	62	75
Person 5 (front fancing attendant	4010	0	75	75
Person 6 (patient on stretcher)	3350	13	62	75

Equipment					
Stretcher and Locks		3350	15	74	89
Storage bags		1750	17	13	30
Carry chair		4900	-3	18	15
Gas cylinders and Misc		4550	-6	51	45
Misc equipment OS		2020	12	13	25
Misc equipment NS		2020	4	4	8
Total add ons for laden weight			225	437	662
Overall Total Mass			**1896**	**2249**	**4145**
Plated Mass			2100	2400	4250

Chassis Plan View



FRONT AXLE **REAR AXLE**

ommunications Windows

VCA Headquarters
1 The Eastgate Office Centre
Eastgate Road
Bristol, BS5 6XX
United Kingdom

Switchboard: +44 (0) 117 951 5151
Direct line: +44 (0) 117 952
Main Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
Web: www.vca.gov.uk

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 2/03

E11

COMMUNICATION CONCERNING APPROVAL GRANTED OF A TYPE OF SAFETY GLAZING MATERIAL PURSUANT TO REGULATION NO. 43

Approval No E11 43R-000206 Extension No.6

1. Class of safety glazing material: Toughened glass panes other than windscreens

2 Description of the type of glazing: please refer to appendix 2.

3. Trade names or marks: Independent Glass

4. Manufacturer's name and address:

Independent Glass Company Limited
540-550 Lawmoor Street
Dixon Blazes Industrial Estate
Glasgow
G5 0UA
United Kingdom

5. If applicable, name and address of manufacturer's representative: Not applicable

6. Submitted for approval on: As before and 12 August 2006

7. Technical service responsible for conducting approval tests: BSI Products Services

8. Date of report issued by that service: As before and 7 November 2006

9. Number of report issued by that service: As before and 262/4903294

VCA 13 NOV 2006 AUTHORITY

SWEDISH APPROVAL AUTHORITY TRANSPORT STYRELSEN SVENSK GODKÄNNANDEMYNDIGHET

10. Approval GRANTED

11. Reason(s) for extension of approval: Addition of grey tinted glass (grey 2000)

12. Remarks: None

13. Place: BRISTOL

14. Date: 13 NOVEMBER 2006

15. Signature

A. W. STENNING
Head of Product Certification

16. The list of documents filed with the administrative service which has granted approval and available on request is annexed to this communication.

EAG076399

Section 9.5.2 Other Windows.

Nearside Saloon Door and Saloon have E9 43R 000491 Glass fitted

Section 9.5.2 Other Windows.

Offside Saloon has E9 43R 000491 Glass fitted

MINISTERIO
DE INDUSTRIA, TURISMO
Y COMERCIO

DIRECCIÓN GENERAL DE
DESARROLLO INDUSTRIAL

SUBDIRECCIÓN GENERAL DE
CALIDAD Y SEGURIDAD
INDUSTRIAL

E 9

COMUNICACIÓN / COMMUNICATION

Relativo a / Concerning: ~~CONCESIÓN DE LA HOMOLOGACIÓN / APPROVAL GRANTED~~
EXTENSIÓN DE HOMOLOGACIÓN / APPROVAL EXTENDED
~~HOMOLOGACIÓN DENEGADA / APPROVAL REFUSED~~
~~HOMOLOGACIÓN RETIRADA / APPROVAL WITHDRAWN~~
~~CESE DEFINITIVO DE LA PRODUCCIÓN / PRODUCTION DEFINITELY DISCONTINUED~~

De un tipo de acristalado de seguridad en aplicación del Reglamento Nº 43
Of a type of safety glazing material pursuant to Regulation No.43.

Nº. de Homologación / *Approval No* : 000491 **Nº de Extensión / Extension No : VIII**

1. Clase atribuida al acristalado de seguridad / *Class of safety glazing material*: **Vidrio templado uniforme, factor de transmisión < 70%/ *Uniformly toughened glass pane, transmission factor < 70%.***
2. Descripción del tipo de acristalado de seguridad: ver apéndice ~~1,2,3,4,5,6,7,8 y 9 más en el caso de un parabrisas, la lista conforme al Apéndice 10~~ / *Description of the type of glazing: please refer to appendix ~~1,2,3,4,5,6,7,8 and 9, and in the case of windscreens, the list conforming to appendix 10~~.*
3. Marca de fábrica o comercial / *Trade names or marks*: **STARGLASS.**
4. Nombre y dirección del fabricante / *Manufacturer´s name and address*: **RIOGLASS, S.A. Polígono Industrial El Sequero. 26509 Agoncillo (La Rioja).**
5. Nombre y dirección del representante del fabricante (en su caso) / *If applicable, name and address of manufacturer´s representative*: ---
6. Presentado para homologación el / *Submitted for approval on*: **Enero 2008 / January *2008*.**
7. Servicio técnico encargado de los ensayos de homologación / *Technical service responsible for conducting approval tests*: **L.C.O.E.**
8. Fecha del acta de ensayos / *Date of report issued by that service*: **11/01/08.**
9. Número del acta de ensayos / *Number of report issued by that service*: **200801430009.**
10. Se ~~concede/deniega/~~extiende~~/retira~~ la homologación / Approval is ~~*granted/refused/extended/withdrawn*~~.
11. Motivo(s) de la extensión de homologación / *Reason(s) for extension of approval*:

12. Observaciones / Remarks: ---
13. Lugar / *Place*: **MADRID.**
14. Fecha / *Date*: **15/01/08.**
15. Firma / *Signature*:
16. Se adjunta la lista de los documentos que constituyen el expediente de homologación presentado en el Servicio administrativo que ha concedido la homologación y que puede obtenerse a petición / *The list of documents filed with the administrative service which has granted approval and available on request is annexed to this communication.*

"EL SUBDIRECTOR GENERAL DE
CALIDAD Y SEGURIDAD INDUSTRIAL"

D. Antonio Muñoz Muñoz
Resolución P.D.28.06.2004

Paseo de la Castellana, 160
E-28071 Madrid
Tfnos.: 91 349 40 00/01/02/03

MINISTERIO
DE INDUSTRIA, TURISMO
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DIRECCIÓN GENERAL DE
DESARROLLO INDUSTRIAL

SUBDIRECCIÓN GENERAL DE
CALIDAD Y SEGURIDAD
INDUSTRIAL

APÉNDICE 2
VIDRIO CON TEMPLE UNIFORME

(Características principales y secundarias según el Anexo 5 ~~o el Anexo 9~~ del Reglamento Nº43)

APPENDIX 2
UNIFORMLY – TOUGHENED GLASS PANES

(Principal and secondary characteristics as defined in annex 5 ~~or annex 9~~ to regulation No.43)

Nº. de Homologación / *Approval No* : **000491** Nº de Extensión / Extension No : **VIII**

CARACTERISTICAS PRINCIPALES/ *PRINCIPAL CHARACTERISTICS:*

- Distinto del parabrisas / *Other than windscreens:* **Si /*Yes.***
- Parabrisas para vehículo lento / *Windscreen(s) for slow moving vehicles:* **No.**
- Categoría de forma / *Shape category:* **Plano y Curvado/ *Flat and Curved.***
- Naturaleza del temple/ *Nature of toughening process:* **Térmico / *Thermal.***
- Categoría de espesor / *Thickness category:* **II (4±0,2mm).**
- Naturaleza y tipo de revestimiento o revestimientos plásticos/ *Nature and type of plastics coating(s):* - - -
- Espesor nominal del (de los) revestimiento(s) plástico(s) / *Nominal thickness of plastics coating(s):* - - -

CARACTERISTICAS SECUNDARIAS/ *SECONDARY CHARACTERISTICS*:

- Naturaleza del material/ *Nature of material*: **Flotado / *Float.***
- Coloración del vidrio/ *Colouring of glass:* **Gris, Bronce, Bronce reflectante, Venus verde, Venus GY10, Gris Privaguard/Galaxee/Sundym418/Athergreen 17, Venus Verde 55, Venus Gris 40 /// *Grey, Bronze, Bronze reflective, Green Venus, Venus GY10, Grey Privaguard/Galaxee/Sundym418/Athergreen 17, Green Venus 55, Grey Venus 40.***
- Coloración del revestimiento o revestimientos plásticos/ *Colouring of plastics coating(s):*---
- Conductores incorporados/ *Conductors incorporated:* **Puede / *Maybe.***
- Oscurecimiento opaco incorporado / *Opaque obscuration incorporated:* **Puede / *Maybe.***

CRITERIOS HOMOLOGADOS / *APPROVED CRITERIA* :

- Superficie máxima (vidrio plano) / *Greatest area (Flat glass)* : **2.000 X 1.200 mm.**
- Angulo mínimo/ *Smallest angle* : **30º.**
- Máxima superficie desarrollada (Vidrio abombado) / *Greatest developed area (curved glass)* : **2.000 X 1.200 mm.**
- Máxima altura de segmento / *Greatest height of segment* : **140 mm.**

OBSERVACIONES / *REMARKS* : - - -

MINISTERIO DE INDUSTRIA, TURISMO Y COMERCIO · Subdirección General de Calidad y Seguridad Industrial · DIRECCIÓN GENERAL DE DESARROLLO INDUSTRIAL

~~**Documentos adjuntos: Lista de parabrisas, en su caso (Ver apéndice 10)**~~
~~***Documents attached : list of windscreens (if applicable) (see appendix 10)***~~

SWEDISH APPROVAL AUTHORITY · TRANSPORT STYRELSEN · SVENSKA GODKÄNNANDEMYNDIGHET

Paseo de la Castellana, 160
E-28071 Madrid
Tfnos.: 91 349 40 00/01/02/03

Internal Perspex E1 43R -001833

MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen

Marsbruchstraße 186 · 44287 Dortmund · Postfach: 44285 Dortmund · Telefon (02 31) 45 02 - 0 · Telefax (02 31) 45 85 49 · E-Mail: info@mpanrw.de

Report No. 41 0002963

1st issue

Rendered to

Röhm GmbH & Co. KG
Kirschenallee

64293 Darmstadt
Germany

Tests of clear safety plastics ("PLEXIGLAS ® XT Farblos 20070") in thicknesses of 3 mm to 10 mm.

Markings of Test Samples

3 mm	10 mm
PLEXIGLAS ® DOT-112 AS6 M-33	PLEXIGLAS ® DOT-112 AS6 M-103

The test certificate extends over 5 pages.

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET

Introduction

This report contains the results of examination and test of the above automotive safety glazing materials to demonstrate compliance with the applicable requirements of the American National Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways (ANSI/SAE Z26.1-1996).

Summary

The following is a summary of the results of tests which were performed in accordance with the FMVSS 205 (ref. standard ANSI/SAE Z26.1-1996).

Test No.	Test	Remarks
2	Luminous transmittance	complies
16	Weathering	complies
19	Chemical resistance (nonstressed)	complies
20	Chemical resistance (stressed)	complies
22	Flexibility	complies
24	Flammability	complies

Authorization

Letter from Röhm GmbH & Co. KG, Darmstadt / Germany

dated January 25, 2005.

Material Submitted

Three	40 mm x 130 mm,
twenty	25 mm x 178 mm,
two	64 mm x 254 mm and
three	13 mm x 152 mm

flat specimens of the mentioned material in thicknesses of 3 mm and 10 mm.

These samples were received January 31, 2005.

Tests and Results of Tests

Test No. 2 - Luminous Transmittance

Three 40 mm x 130 mm flat specimens of each thickness were tested according to the above mentioned Safety Standard.

Results

Specimen No.	Percent Luminous Transmittance
Thickness 3 mm	
1 2 3	92.7 92.7 92.6
Thickness 10 mm	
1 2 3	92.3 92.3 92.3

The regular (parallel) luminous transmittance was not less than 70 %.

Test No. 16 - Weathering

Three 40 mm x 130 mm flat specimens of each thickness were tested according to the above mentioned Safety Standard.

Results

Specimen No.	Percent Light Transmittance	
	before weathering	after weathering
Thickness 3 mm		
1 2 3	92.7 92.7 92.6	92.5 92.5 92.5
Thickness 10 mm		
1 2 3	92.3 92.3 92.3	92.2 91.8 92.2

The regular (parallel) luminous transmittance of the exposed specimens was reduced no more than 5 %. The regular (parallel) luminous transmittance before and after exposure was not less than 70 %.
No defects other than discoloration developed.

Test No. 19 - Chemical Resistance (Nonstressed)

Ten 25 mm x 178 mm flat specimens of each thickness were tested according to the above mentioned Safety Standard.

Results

Test Chemicals	Remarks
Thickness 3 mm	
1 % solution of nonabrasive soap Kerosene Alcohol Gasoline Commercial windshield cleaner	No tackiness, crazing or apparent loss of transparency in the specimens
Thickness 10 mm	
1 % solution of nonabrasive soap Kerosene Alcohol Gasoline Commercial windshield cleaner	No tackiness, crazing or apparent loss of transparency in the specimens

Test No. 20 - Chemical Resistance (Stressed)

Ten 25 mm x 178 mm flat specimens of each thickness were tested according to the above mentioned Safety Standard.

Results

Test Chemicals	Remarks
Thickness 3 mm	
1 % solution of nonabrasive soap Kerosene Alcohol Gasoline Commercial windshield cleaner	No tackiness, crazing or apparent loss of transparency in the specimens
Thickness 10 mm	
1 % solution of nonabrasive soap Kerosene Alcohol Gasoline Commercial windshield cleaner	No tackiness, crazing or apparent loss of transparency in the specimens

Test No. 22 - Flexibility

Two 64 mm x 254 mm flat specimens of each thickness were tested according to the above mentioned Safety Standard.

Results

The safety glazing plastic (thicknesses 3 mm and 10 mm) showed no cracks, wrinkles, or surface impairment during or after bending.

Test No. 24 - Flammability

Three 13 mm x 152 mm flat specimens of each thickness were tested according to the above mentioned Safety Standard.

Results

Specimen No.	Burning rate mm/s
Thickness 3 mm	
1	0.62
2	0.58
3	0.57
Thickness 10 mm	
1	0.41
2	0.50
3	0.48

The horizontal burning rate did not exceed 1.48 mm/s.

Dortmund, June 29, 2005
Report approved by

Dipl.-Ing. Biller

Materialprüfungsamt MPA NRW 16 Nordrhein-Westfalen

SWEDISH APPROVAL AUTHORITY TRANSPORT STYRELSEN SVENSK GODKÄNNANDEMYNDIGHET

Kraftfahrt-Bundesamt

D-24932 Flensburg

TO
FROM
Karen CVW

E 1

Mitteilung über **die Genehmigung**

für einen Typ des Materials für Sicherheitsverglasung nach der Regelung Nr. 43 **einschließlich Ergänzung 7**

Communication concerning **approval**

of a type of safety glazing material pursuant to Regulation No. 43 **including supplement 7**

Nummer der Genehmigung: **001833**
Approval No.:

Erweiterung Nr.: **--**
Extension No.:

1. Klasse des Materials für Sicherheitsverglasung:
Class of safety glazing material:
VIII/B/M

2. Beschreibung des Typs des Glases:
Description of the typ of glazing:
siehe Anlage 8
see appendix 8

3. Fabrik- oder Handelsmarken:
Trade names or marks:
Makrolon

4. Name und Anschrift des Herstellers:
Manufacturer's name and address:
BAYER SHEET EUROPE N.V.
BE-8700 Tielt

5. Gegebenenfalls Name und Anschrift des Vertreters des Herstellers:
If applicable, name and address of manufacturer's representative:
entfällt
not applicable

6. Zur Genehmigung vorgelegt am:
Submitted for approval on:
17.08.2004

7. Verantwortlicher Technischer Dienst für die Genehmigungsprüfung:
Technical service responsible for conducting approval tests:
Materialprüfungsamt Nordrhein-Westfalen
D-44285 Dortmund

Kraftfahrt-Bundesamt

D-24932 Flensburg

Nummer der Genehmigung: 001833
Approval No.:

8. Datum des Gutachtens des Technischen Dienstes:
Date of test report issued by that service:
30.06.2004

9. Nummer des Gutachtens des Technischen Dienstes:
Number of test report issued by that service:
41 0002216

10. Die Genehmigung wird **erteilt**
Approval is **granted**

11. Gründe für die Erweiterung der Genehmigung:
Reason(s) for extension of approval:
entfällt
not applicable

12. Bemerkungen:
Remarks:
Die Genehmigung nach der ECE-Regelung Nr. 43 betrifft nicht den Einbau des Sicherheitsglases.
The approval pursuant Regulation No. 43 does not concern the installation of safety-glass pane.

13. Ort: **D-24932 Flensburg**
Place:

14. Datum: **25.08.2004**
Date:

15. Unterschrift: **Im Auftrag**
Signature:

(Koark)

KRAFTFAHRT-BUNDESAMT 440

SWEDISH APPROVAL AUTHORITY TRANSPORT STYRELSEN SVENSK GODKÄNNANDEMYNDIGHET

Nummer der Genehmigung: 001833
Approval No.:

16. Die Liste der Unterlagen, die bei der Genehmigungsbehörde hinterlegt und auf Verlangen verfügbar ist, liegt dieser Mitteilung bei.
The list of documents filed with the administrative service which has granted approval and available on request is annexed to this communication.

Anlage 8
Appendix 8

Nebenbestimmungen und Rechtsbehelfsbelehrung
Collateral clauses and instruction on right to appeal

1 Prüfzeugnis
Report

e y-glass par

Kraftfahrt-Bundesamt

D-24932 Flensburg

Nummer der Genehmigung: 001833
Number of the type approval:

- Anlage -

Nebenbestimmungen und Rechtsbehelfsbelehrung

Nebenbestimmungen

Jede Einrichtung, die dem genehmigten Typ entspricht, ist gemäß der angewendeten Vorschrift zu kennzeichnen.

Das Genehmigungszeichen lautet wie folgt:

VIII/B/M

E1 **43R-001833**

Die Einzelerzeugnisse der reihenweisen Fertigung müssen mit den Genehmigungsunterlagen genau übereinstimmen. Änderungen an den Einzelerzeugnissen sind nur mit ausdrücklicher Zustimmung des Kraftfahrt-Bundesamtes gestattet.
Änderungen der Firmenbezeichnung, der Anschrift und der Fertigungsstätten sowie eines bei der Erteilung der Genehmigung benannten Zustellungsbevollmächtigten oder bevollmächtigten Vertreters sind dem Kraftfahrt-Bundesamt unverzüglich mitzuteilen.
Verstöße gegen diese Bestimmungen können zum Widerruf der Genehmigung führen und können überdies strafrechtlich verfolgt werden.

Die Genehmigung erlischt, wenn sie zurückgegeben oder entzogen wird, oder der genehmigte Typ den Rechtsvorschriften nicht mehr entspricht. Der Widerruf kann ausgesprochen werden, wenn die für die Erteilung und den Bestand der Genehmigung geforderten Voraussetzungen nicht mehr bestehen, wenn der Genehmigungsinhaber gegen die mit der Genehmigung verbundenen Pflichten – auch soweit sie sich aus den zu dieser Genehmigung zugeordneten besonderen Auflagen ergeben - verstößt oder wenn sich herausstellt, dass der genehmigte Typ den Erfordernissen der Verkehrssicherheit oder des Umweltschutzes nicht entspricht.

Das Kraftfahrt-Bundesamt kann jederzeit die ordnungsgemäße Ausübung der durch diese Genehmigung verliehenen Befugnisse, insbesondere die genehmigungsgerechte Fertigung, nachprüfen. Es kann zu diesem Zweck nach den Regeln der zugrundeliegenden Vorschriften Proben entnehmen oder entnehmen lassen.

Die mit der Erteilung der Genehmigung verliehenen Befugnisse sind nicht übertragbar. Schutzrechte Dritter werden durch diese Genehmigung nicht berührt.

Rechtsbehelfsbelehrung

Gegen diese Genehmigung kann innerhalb eines Monats nach Bekanntgabe Widerspruch erhoben werden. Der Widerspruch ist beim **Kraftfahrt-Bundesamt, Fördestraße 16, D-24944 Flensburg,** schriftlich oder zur Niederschrift einzulegen.

Nummer der Genehmigung: 001833
Approval No.:

- Attachment -

Collateral clauses and instruction on right to appeal

Collateral clauses

All equipment which corresponds to the approved type is to be identified according to the applied regulation.

The approval identification is as follows: - see German version -

The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Kraftfahrt-Bundesamt.
Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorised representative named when the approval was granted is to be immediately disclosed to the Kraftfahrt-Bundesamt.
Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.

The approval expires if it is returned or withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the holder of the approval violates the duties involved in the approval, also to the extent that they result from the assigned conditions to this approval, or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

The Kraftfahrt-Bundesamt can at any time check the proper exercise of the conferred authority taken from this approval, in particular the approving standards. For this purpose, samples can be taken or have taken according to the rules of the underlying regulations.

The conferred authority contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.

Instruction on right to appeal

This approval can be appealed within one month after notification. The appeal is to be filed in writing or as a transcript at the **Kraftfahrt-Bundesamt, Fördestraße 16, D-24944 Flensburg.**

Kraftfahrt-Bundesamt

D-24932 Flensburg

Anlage/Appendix 8

Feste Kunststoffscheiben außer Windschutzscheiben
(Haupt- und sekundäre Merkmale nach Anhang 14 der Regelung Nr. 43)
Rigid plastics panes other than windscreens
(Principal and secondary characteristics in accordance with annex 14 to Regulation No. 43)

Nummer der Genehmigung: **001833**
Approval No.:

Erweiterung Nr.: --
Extension No.:

Hauptmerkmale
Principal characteristics

Chemische Bezeichnung des Werkstoffs - Chemical designation of the material:
Polycarbonat - Polycarbonate

Klassifizierung des Werkstoffs durch den Hersteller:
The classification of the material by the manufacturer:
VIII/B/M

Herstellungsverfahren - Process of manufacture:
extrudiert - extruded

Form und Abmessungen - Shape and dimensions:
plan - flat
max. Abmessungen 2000 mm x 7000 mm - max. dimensions 2000 mm x 7000 mm

Nenndicke - Nominal thickness:
6 mm

Färbung des festen Kunststoffwerkstoffs - Colouring of the rigid plastic material:
farblos - colourless

Art und Typ der Oberflächenbeschichtung - Nature and typ of surface coating:
Außen- und Innenseite: Hartsilikonbeschichtung
Outer- and inner surface: hard silicon coating

Sekundäre Merkmale
Secondary characteristics

Vorhandensein von elektrischen Leitern - Conductors incorporated:
nein - no

Bemerkungen - Remarks:
entfällt - not applicable

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

Marsbruchstraße 186 · 44287 Dortmund · Postfach: 44285 Dortmund · Telefon (02 31) 45 02 - 0 · Telefax (02 31) 45 85 49 · E-Mail: info@mpanrw.de

PRÜFZEUGNIS / *TEST REPORT* Nr. / *No.* 41 0002216

2. Ausfertigung / 2nd *issue*

Auftraggeber / *Orderer*

Bayer Polymers Sheet Europe N.V.

8700 Tielt
BELGIEN

Auftragsdatum / *Date of order*: 03.11.2003

Eingang der Proben:
***Arrival of test samples*:** 03.11.2003,
19.11.2003
und / *and* 25.11.2003

Auftrag / *Order*

Prüfung von harten Kunststoffverglasungen außer Windschutzscheiben mit Nenndicken von 3 mm, 4 mm und 6 mm zwecks Erteilung einer ECE-Genehmigung für jede Nenndicke.
Test of rigid plastic glazings other than windscreens with nominal thicknesses of 3 mm, 4 mm and 6 mm for the purpose of granting an ECE-approval for each nominal thickness.

Beschreibung des Prüfgegenstandes / *Description of test object*

"A" plane Muster / *flat samples*	1170 mm x 570 mm
"B" plane Muster / *flat samples*	300 mm x 300 mm
"C" plane Muster / *flat samples*	180 mm x 25 mm
"D" plane Muster / *flat samples*	100 mm x 100 mm
"E" plane Muster / *flat samples*	130 mm x 40 mm
"F" plane Muster / *flat samples*	356 mm x 100 mm
"G" planes Muster / *flat sample*	300 mm x 25 mm

von jeder Nenndicke (3 mm, 4 mm und 6 mm) / *of each nominal thickness (3 mm, 4 mm and 6 mm)*

Beschreibung der Prüfung / der zugrundeliegenden Prüfverfahren
Description of tests / of based standards

Anhang 14 der ECE-Regelung 43 einschließlich Ergänzung 7:
"Einheitliche Vorschriften für die Genehmigung von Sicherheitsverglasungswerkstoffen und deren Einbau in Fahrzeuge".
Annex 14, ECE-Regulation No. 43 including supplement 7:
"Uniform provisions concerning the approval of safety glazing materials and their installation on vehicles".

Das Prüfzeugnis umfasst 12 Seiten.
The test report extends over 12 pages.

SWEDISH APPROVAL AUTHORITY · TRANSPORT STYRELSEN · SVENSK GODKÄNNANDEMYNDIGHET

1.	**Name und Anschrift des Herstellers:** ***Manufacturer's name and address:***	Bayer Polymers Sheet Europe Wakkensesteenweg 7 8700 Tielt BELGIEN / *BELGIUM*
2.	**Ggf. Name und Anschrift des Vertreters/des Herstellers:** ***If applicable, name and address of manufacturer's representative:***	entfällt *not applicable*

3. Hauptmerkmale / *Principal characteristics*

3.1	Fabrik- oder Handelsmarke: *Trade name or mark*:	Makrolon
3.2	Chemische Bezeichnung des Werkstoffes: *Chemical designation of the material:*	Polycarbonat
3.3	Klassifizierung des Werkstoffes durch den Hersteller: *Classification of the material by the manufacturer:*	VIII/B/M
3.4	Herstellungsverfahren: *Process of manufacture:*	extrudiert *extruded*
3.5	Form und Abmessung: *Shape and dimension:*	plan, max. Abmessungen 2000 mm x 7000 mm *flat,* *max. dimensions 2000 mm x 7000 mm*
3.6	Nenndicke: *Nominal thickness:*	3 mm, 4 mm, 6 mm
3.7	Färbung des Kunststoffprodukts: *Colouring of the plastic product:*	farblos / *colourless*
3.8	Art der Oberflächenbeschichtung: *Nature of the surface coating:*	Außen- und Innenseite: Hartsilikonbeschichtung *outer- and inner-surface:* *hard silicon coating*

4. Sekundäre Merkmale / *Secondary characteristics*

4.1	Vorhandensein von elektrischen Leitern: *Presence of conductors:*	nein / *no*

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET

Prüfergebnisse / *Test results*

Tabelle 1 / *Table 1* Zusammenfassung der Prüfergebnisse / *Summary of test results*

Test Nr. / *Test No.*	**Ergebnis / *Result***
Nenndicke / *Nominal thickness:* 3 mm	
3. Flexibilitätsversuch / *Flexibility test*	Nach Abschnitt 3.4: Feste Kunststoffverglasung *According to paragraph 3.4: Rigid plastic glazing*
4. Phantomfallprüfung / *Headform test*	Anforderungen erfüllt (siehe Tabelle 2) *Complies (see table 2)*
5. Prüfung der mechanischen Festigkeit (227 g-Kugel) ***Mechanical-strength test (227 g-ball)***	Anforderungen erfüllt (siehe Tabelle 3) *Complies (see table 3)*
6. Prüfung der Beständigkeit gegen äußere Einwirkungen ***Test of resistance to the environment***	
6.1. Abriebprüfung *Abrasion test*	Anforderungen erfüllt (siehe Tabelle 4) *Complies (see table 4)*
6.2. Prüfung der Beständigkeit gegen Witterungseinflüsse *Resistance-to-weathering test*	Anforderungen erfüllt (siehe Tabelle 5) *Complies (see table 5)*
6.3. Gitterschnittprüfung *Cross-cut test*	Anforderungen erfüllt (siehe Tabelle 6) *Complies (see table 6)*
6.4. Prüfung der Feuchtigkeitsbeständigkeit *Resistance-to-humidity test*	Anforderungen erfüllt (siehe Tabelle 7) *Complies (see table 7)*
8. Prüfung der Abbrenngeschwindigkeit ***Fire-resistance test***	Anforderungen erfüllt (siehe Tabelle 8) *Complies (see table 8)*
9. Prüfung der Chemikalienbeständigkeit ***Resistance-to-chemicals test***	Anforderungen erfüllt (siehe Tabelle 9) *Complies (see table 9)*

Fortsetzung von Tabelle 1 / *Continuation of table 1*

Test Nr. / *Test No.*	**Ergebnis / *Result***
Nenndicke / *Nominal thickness:* 4 mm	
3. Flexibilitätsversuch / *Flexibility test*	Nach Abschnitt 3.4: Feste Kunststoffverglasung *According to paragraph 3.4: Rigid plastic glazing*
4. Phantomfallprüfung / *Headform test*	Anforderungen erfüllt (siehe Tabelle 2) *Complies (see table 2)*
5. Prüfung der mechanischen Festigkeit (227 g-Kugel) ***Mechanical-strength test (227 g-ball)***	Anforderungen erfüllt (siehe Tabelle 3) *Complies (see table 3)*
6. Prüfung der Beständigkeit gegen äußere Einwirkungen ***Test of resistance to the environment***	
6.1. Abriebprüfung *Abrasion test*	Anforderungen erfüllt (siehe Tabelle 4) *Complies (see table 4)*
6.2. Prüfung der Beständigkeit gegen Witterungseinflüsse *Resistance-to-weathering test*	Anforderungen erfüllt (siehe Tabelle 5) *Complies (see table 5)*
6.3. Gitterschnittprüfung *Cross-cut test*	Anforderungen erfüllt (siehe Tabelle 6) *Complies (see table 6)*
6.4. Prüfung der Feuchtigkeitsbeständigkeit *Resistance-to-humidity test*	Anforderungen erfüllt (siehe Tabelle 7) *Complies (see table 7)*
8. Prüfung der Abbrenngeschwindigkeit ***Fire-resistance test***	Anforderungen erfüllt (siehe Tabelle 8) *Complies (see table 8)*
9. Prüfung der Chemikalienbeständigkeit ***Resistance-to-chemicals test***	Anforderungen erfüllt (siehe Tabelle 9) *Complies (see table 9)*

Fortsetzung von Tabelle 1 / *Continuation of table 1*

Test Nr. / *Test No.*	**Ergebnis / *Result***
Nenndicke / *Nominal thickness:* 6 mm	
3. Flexibilitätsversuch / *Flexibility test*	Nach Abschnitt 3.4: Feste Kunststoffverglasung *According to paragraph 3.4: Rigid plastic glazing*
4. Phantomfallprüfung / *Headform test*	Anforderungen erfüllt (siehe Tabelle 2) *Complies (see table 2)*
5. Prüfung der mechanischen Festigkeit (227 g-Kugel) ***Mechanical-strength test (227 g-ball)***	Anforderungen erfüllt (siehe Tabelle 3) *Complies (see table 3)*
6. Prüfung der Beständigkeit gegen äußere Einwirkungen ***Test of resistance to the environment***	
6.1. Abriebprüfung *Abrasion test*	Anforderungen erfüllt (siehe Tabelle 4) *Complies (see table 4)*
6.2. Prüfung der Beständigkeit gegen Witterungseinflüsse *Resistance-to-weathering test*	Anforderungen erfüllt (siehe Tabelle 5) *Complies (see table 5)*
6.3. Gitterschnittprüfung *Cross-cut test*	Anforderungen erfüllt (siehe Tabelle 6) *Complies (see table 6)*
6.4. Prüfung der Feuchtigkeitsbeständigkeit *Resistance-to-humidity test*	Anforderungen erfüllt (siehe Tabelle 7) *Complies (see table 7)*
8. Prüfung der Abbrenngeschwindigkeit ***Fire-resistance test***	Anforderungen erfüllt (siehe Tabelle 8) *Complies (see table 8)*
9. Prüfung der Chemikalienbeständigkeit ***Resistance-to-chemicals test***	Anforderungen erfüllt (siehe Tabelle 9) *Complies (see table 9)*

Tabelle 2 / *Table 2* Ergebnisse der Phantomfallprüfung / *Results of headform test*

Probe Nr. ***Sample no.***	**Fallhöhe** ***Drop height*** **(cm)**	**Durchschlag** ***Penetration*** **nach / *according to* 4.4.1**	**Bruch in mehrere Teile** ***Break into several pieces*** **nach / *according to* 4.4.1**
Nenndicke / *Nominal thickness:* 3 mm			
1	150	nein / *no*	nein / *no*
2	150	nein / *no*	nein / *no*
3	150	nein / *no*	nein / *no*
4	150	nein / *no*	nein / *no*
5	150	nein / *no*	nein / *no*
6	150	nein / *no*	nein / *no*
Nenndicke / *Nominal thickness:* 4 mm			
1	150	nein / *no*	nein / *no*
2	150	nein / *no*	nein / *no*
3	150	nein / *no*	nein / *no*
4	150	nein / *no*	nein / *no*
5	150	nein / *no*	nein / *no*
6	150	nein / *no*	nein / *no*
Nenndicke / *Nominal thickness:* 6 mm			
1	150	nein / *no*	nein / *no*
2	150	nein / *no*	nein / *no*
3	150	nein / *no*	nein / *no*
4	150	nein / *no*	nein / *no*
5	150	nein / *no*	nein / *no*
6	150	nein / *no*	nein / *no*

Der HIC-Wert beträgt für jede Nenndicke weniger als 1000.
The HIC value is for each nominal thickness less than 1000.

Tabelle 3 / *Table 3* Ergebnisse der Kugelfallprüfung mit der 227 g-Kugel / *Results of 227 g-ball test*

Probe Nr. ***Sample no.***	**Fallhöhe** ***Drop height*** **(cm)**	**Durchschlag** ***Penetration*** **nach / *according to* 5.4.1**	**Bruch in mehrere Teile** ***Break into several pieces*** **nach / *according to* 5.4.1**
Probentemperatur / *Sample temperature*: -18 °C			
Nenndicke / *Nominal thickness:* 3 mm			
1	200	nein / *no*	nein / *no*
2	200	nein / *no*	nein / *no*
3	200	nein / *no*	nein / *no*
4	200	nein / *no*	nein / *no*
5	200	nein / *no*	nein / *no*
6	200	nein / *no*	nein / *no*
7	200	nein / *no*	nein / *no*
8	200	nein / *no*	nein / *no*
9	200	nein / *no*	nein / *no*
10	200	nein / *no*	nein / *no*
Probentemperatur / *Sample temperature*: -18 °C			
Nenndicke / *Nominal thickness:* 4 mm			
1	300	nein / *no*	nein / *no*
2	300	nein / *no*	nein / *no*
3	300	nein / *no*	nein / *no*
4	300	nein / *no*	nein / *no*
5	300	nein / *no*	nein / *no*
6	300	nein / *no*	nein / *no*
7	300	nein / *no*	nein / *no*
8	300	nein / *no*	nein / *no*
9	300	nein / *no*	nein / *no*
10	300	nein / *no*	nein / *no*
Probentemperatur / *Sample temperature*: -18 °C			
Nenndicke / *Nominal thickness:* 6 mm			
1	500	nein / *no*	nein / *no*
2	500	nein / *no*	nein / *no*
3	500	nein / *no*	nein / *no*
4	500	nein / *no*	nein / *no*
5	500	nein / *no*	nein / *no*
6	500	nein / *no*	nein / *no*
7	500	nein / *no*	nein / *no*
8	500	nein / *no*	nein / *no*
9	500	nein / *no*	nein / *no*
10	500	nein / *no*	nein / *no*

Tabelle 4 / *Table 4* Ergebnisse der Abriebprüfung / *Results of abrasion test* nach / *according to 6.1.3.2*

Probe Nr. ***Sample no.***	**Nenndicke** ***Nominal thickness*** **(mm)**	**Lichtstreuung / *Haze*** **%**
Außenseite 500 Umdrehungen / *Outer surface 500 cycles*		
1	3	5,9
2	4	9,0
3	6	8,2
4	6	9,5
Innenseite 100 Umdrehungen / *Inner surface 100 cycles*		
1	3	1,3
2	4	2,8
3	6	2,6

Tabelle 5 / *Table 5* Ergebnisse der Prüfung der Beständigkeit gegen Witterungseinflüsse *Results of resistance-to-weathering test*

Probe Nr. ***Sample no.***	**Lichtdurchlässigkeit** ***Light transmittance***		**sichtbare Veränderungen** ***visible changes*** **nach / *according to* 6.2.3.1.2**
	vor der Bewitterung ***before weathering***	**nach der Bewitterung** ***after weathering***	
Nenndicke / *Nominal thickness:* 3 mm			
1	91,0	91,6	nein / *no*
2	91,0	91,2	nein / *no*
3	91,0	91,2	nein / *no*
Nenndicke / *Nominal thickness:* 4 mm			
1	90,4	90,8	nein / *no*
2	90,4	90,8	nein / *no*
3	90,4	90,8	nein / *no*
Nenndicke / *Nominal thickness:* 6 mm			
1	89,3	90,0	nein / *no*
2	89,3	90,0	nein / *no*
3	89,3	90,0	nein / *no*

Tabelle 6 / *Table 6* Ergebnis der Gitterschnittprüfung / *Result of cross-cut test*

Probe Nr. ***Sample no.***	**Gitterschnittwert** ***Cross-cut value***
Nenndicke / *Nominal thickness:* 3 mm	
1	GtO
Nenndicke / *Nominal thickness:* 4 mm	
1	GtO
Nenndicke / *Nominal thickness:* 6 mm	
1	GtO

Tabelle 7 / *Table 7* Ergebnisse der Prüfung der Feuchtigkeitsbeständigkeit
Results of resistance-to-humidity test

Probe Nr. ***Sample no.***	**Fallhöhe** ***Drop height*** (cm)	**sichtbare Zersetzungen** ***visible decompositions*** nach ***according to*** 6.4.3.1.1	**Lichtdurchlässigkeit** ***Light transmittance***		**Durchschlag** ***Penetration*** nach ***according to*** 5.4.1	**Bruch in mehrere Teile** ***Break into several pieces*** nach ***according to*** 5.4.1
			vor Feuchte-behandlung ***bevore humidity treatment***	**nach Feutchte-behandlung** ***after humidity treatment***		
Nenndicke / *Nominal thickness:* 3 mm						
1	200	nein / *no*	90,9	90,9	nein / *no*	nein / *no*
2	200	nein / *no*	90,9	91,0	nein / *no*	nein / *no*
3	200	nein / *no*	91,1	90,9	nein / *no*	nein / *no*
4	200	nein / *no*	91,0	91,0	nein / *no*	nein / *no*
5	200	nein / *no*	91,0	91,0	nein / *no*	nein / *no*
6	200	nein / *no*	91,0	91,0	nein / *no*	nein / *no*
7	200	nein / *no*	91,1	91,0	nein / *no*	nein / *no*
8	200	nein / *no*	91,1	91,1	nein / *no*	nein / *no*
9	200	nein / *no*	91,0	91,0	nein / *no*	nein / *no*
10	200	nein / *no*	91,0	90,9	nein / *no*	nein / *no*
Nenndicke / *Nominal thickness:* 4 mm						
1	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
2	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
3	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
4	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
5	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
6	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
7	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
8	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
9	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*
10	300	nein / *no*	90,4	90,4	nein / *no*	nein / *no*

Fortsetzung von Tabelle 7 / *Continuation of table 7*

Probe Nr. *Sample no.*	Fallhöhe *Drop height* (cm)	sichtbare Zersetzungen *visible decompositions* nach *according to* 6.4.3.1.1	Lichtdurchlässigkeit *Light transmittance* vor Feuchte-behandlung *bevore humidity treatment*	Lichtdurchlässigkeit *Light transmittance* nach Feutchte-behandlung *after humidity treatment*	Durchschlag *Penetration* nach *according to* 5.4.1	Bruch in mehrere Teile *Break into several pieces* nach *according to* 5.4.1
Nenndicke / *Nominal thickness:* 6 mm						
1	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
2	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
3	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
4	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
5	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
6	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
7	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
8	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
9	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*
10	500	nein / *no*	89,3	89,3	nein / *no*	nein / *no*

Tabelle 8 / *Table 8* Ergebnisse der Prüfung der Abbrenngeschwindigkeit
Results of fire-resistance test *according to* 6.4.3.1.1

Probe Nr. *Sample no.*	Abbrenngeschwindigkeit / *Burning rate* mm / min
Nenndicke / *Nominal thickness:* 3 mm	
1	0
2	0
3	0
4	0
5	0
Nenndicke / *Nominal thickness:* 4 mm	
1	0
2	0
3	0
4	0
5	0
Nenndicke / *Nominal thickness:* 6 mm	
1	0
2	0
3	0
4	0
5	0

Tabelle 9 / *Table 9* Ergebnisse der Prüfung der Chemikalienbeständigkeit
Results of resistance-to-chemicals test

Prüfchemikalien ***Test chemicals*** **nach / *according* to 11.1**	**Ergebnisse** ***Results***	
	unbelastet / *nonstressed*	**belastet / *stressed***
Nenndicke / *Nominal thickness:* 3 mm		
nicht scheuernde Seifenlösung, Fensterreinigungslösung, unverdünnter vegällter Alkohol, Benzin (50 Volumenprozent Tuluol, 30 Volumenprozent 2,2,4 Trimethylpentan, 15 Volumenprozent 2,4,4 Trimethyl-1-Penten, 5 Volumenprozent Äthylalkohol), Bezugskerosin	keine Erweichung, keine klebrige Stelle, kein Riss, kein offensichtlicher Verlust der Transparenz	keine Erweichung, keine klebrige Stelle, kein Riss, kein offensichtlicher Verlust der Transparenz
non-abrasive soap solution, window-cleaning solution, undiluted denatured alcohol, Petrol (50 % by volume toluene, 30 % by volume 2,2,4 trimethylpentane, 15 % by volume 2,4,4 trimethyl-1-pentene, 5 % by volume ethyl alcohol), Reference kerosene	*no softening, no tackiness, no crazing, no apperent loss of transparency*	*no softening, no tackiness, no crazing, no apperent loss of transparency*
Nenndicke / *Nominal thickness:* 4 mm		
nicht scheuernde Seifenlösung, Fensterreinigungslösung, unverdünnter vegällter Alkohol, Benzin (50 Volumenprozent Tuluol, 30 Volumenprozent 2,2,4 Trimethylpentan, 15 Volumenprozent 2,4,4 Trimethyl-1-Penten, 5 Volumenprozent Äthylalkohol), Bezugskerosin	keine Erweichung, keine klebrige Stelle, kein Riss, kein offensichtlicher Verlust der Transparenz	keine Erweichung, keine klebrige Stelle, kein Riss, kein offensichtlicher Verlust der Transparenz
non-abrasive soap solution, window-cleaning solution, undiluted denatured alcohol, Petrol (50 % by volume toluene, 30 % by volume 2,2,4 trimethylpentane, 15 % by volume 2,4,4 trimethyl-1-pentene, 5 % by volume ethyl alcohol), Reference kerosene	*no softening, no tackiness, no crazing, no apperent loss of transparency*	*no softening, no tackiness, no crazing, no apperent loss of transparency*

Fortsetzung von Tabelle 9 / *Continuation of table 9*

Prüfchemikalien ***Test chemicals*** **nach / *according* to 11.1**	**Ergebnisse** ***Results***	
	unbelastet / *nonstressed*	**belastet / *stressed***
Nenndicke / *Nominal thickness:* 6 mm		
nicht scheuernde Seifenlösung, Fensterreinigungslösung, unverdünnter vegällter Alkohol, Benzin (50 Volumenprozent Tuluol, 30 Volumenprozent 2,2,4 Trimethylpentan, 15 Volumenprozent 2,4,4 Trimethyl-1-Penten, 5 Volumenprozent Äthylalkohol), Bezugskerosin	keine Erweichung, keine klebrige Stelle, kein Riss, kein offensichtlicher Verlust der Transparenz	keine Erweichung, keine klebrige Stelle, kein Riss, kein offensichtlicher Verlust der Transparenz
non-abrasive soap solution, window-cleaning solution, undiluted denatured alcohol, Petrol (50 % by volume toluene, 30 % by volume 2,2,4 trimethylpentane, 15 % by volume 2,4,4 trimethyl-1-pentene, 5 % by volume ethyl alcohol), Reference kerosene	*no softening, no tackiness, no crazing, no apperent loss of transparency*	*no softening, no tackiness, no crazing, no apperent loss of transparency*

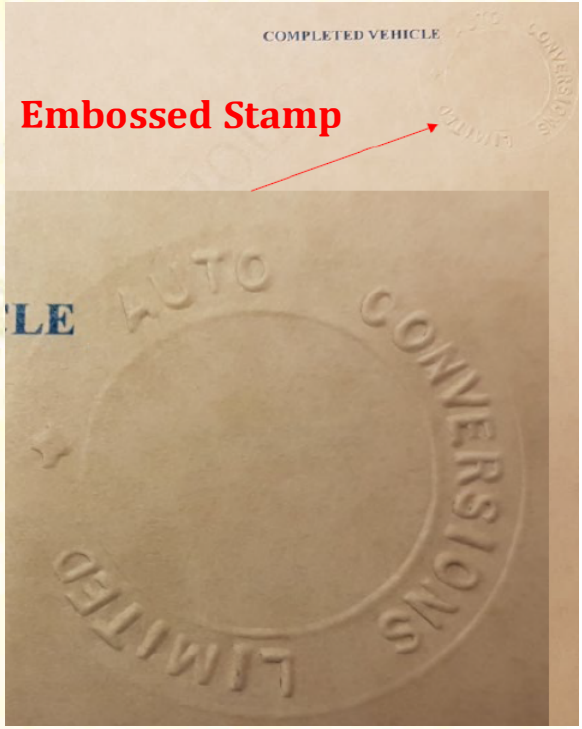
Nenndicke
3,1

Dortmund, den 30. Juni 2004 / *June 30, 2004*
Im Auftrag / *By order*

Dr. Dümmler

Materialprüfungsamt MPA NRW 16 Nordrhein-Westfalen

SWEDISH APPROVAL AUTHORITY TRANSPORT STYRELSEN SVENSK GODKÄNNANDEMYNDIGHET



EC CERTIFICATE OF CONFORMITY

The undersigned [Martin Kerrigan Commercial Director] hereby certifies that the vehicle:

0.1. Make (Wilker Group)

0.2. Type: WVFD
Variant (a): ELBFC
Version (a): LELR2 E

0.2.1. Commercial name: Fiat Ducato Extra Long Wheelbase Ambulance
0.2.2 Type-approval information of the base vehicle
Type: 250
Variant: ELBFC
Version: LELR2
Type approval number: e3*2007/46*0049*29

0.2.3. Identifiers (1): DIESEL
0.2.3.1. Interpolation family's identifier: IP-03_250_0102-ZFA-1
0.2.3.2. ATCT family's identifier: AT-03_250_0001-ZFA-1
0.2.3.3. PEMS family's identifier: - e3-ZFA -32_0
0.2.3.4. Roadload family's identifier:
0.2.3.5. Roadload Matrix family's identifier (if applicable): RM-03_250_0009-ZFA-1
0.2.3.6. Periodic regeneration family's identifier: - RM-03_250_0002_ZFA-1
0.2.3.7. Evaporative test family's identifier: -
66

0.4. Vehicle category: M1 SC

0.5. Name and address of the manufacturer: Wilker Auto Conversions Ltd. Fredrick Street, Clara Co. Offaly, Ireland.

0.5.1 Name and address base vehicle manufacturer: FCA Italy S.p.A.C. so G. Agnelli 200 – 10135 – Turin - Italy

0.6. Location and method of attachment of the statutory plates: Statutory Plate is riveted to the front cross member in the engine compartment beside Stage 1 VIN Plate.
Location of the vehicle identification number: Engine Compartment Front Cross Member

0.9. Name and address of the manufacturer's representative (if any): not applicable

0.10. Vehicle identification number: **ZFA25000002Rxx**

0.11. Date of manufacture of the vehicle: xx-xx.2021
a) has been completed and altered as follows: .... and
(b) conforms in all respects to the type described in approval (e5*2007/46*1378*0x) issued on (xx/xx/2021) and
(c) can be permanently registered in Member States having right/left (left) hand traffic and using metric/imperial (imperial) units for the speedometer.

(Place) Clara, Ireland (Date): xx-xx-2021 (Signature): _____

General Construction Characteristics

1. Number of axles:. 2 and wheels: 4
3. Powered axles (number, position, interconnection): 1,Axle 1.
3.1. Non-Automated/Automated/fully automated: non-automated

Main dimensions

4. Wheelbase 4035 mm
4.1. Axle spacing: 1-2: 4035mm 2-3:- mm 3-4: - mm
5. Length: 6363 mm
6. Width: 2050 mm
7. Height: 2770 mm

Masses

13. Mass of the vehicle in running order: 3490 kg ([f])
13.2. Actual mass of the vehicle: 3415 kg
16. Technically permissible maximum masses
16.1. Technically permissible maximum laden mass: 4250kg
16.2. Technically permissible mass on each axle: 1 2100kg 2. 2400kg 3.--kg etc.
16.4. Technically permissible maximum mass of the combination: 6500 kg
18. Technically permissible maximum towable mass in case of:
18.1. Drawbar trailer: - kg
18.3. Centre-axle trailer: 2250kg
18.4. Unbraked trailer: 750kg
19. Technically permissible maximum static vertical mass at the coupling point: 100kg

Power plant

20. Manufacturer of the engine: FPT INDUSTRIAL S.P.A
21. Engine code as marked on the engine: F1AGL4112
22. Working principle: Compression Ignition Four Stroke
23. Pure electric: yes/no - No
23.1. Hybrid [electric] vehicle: yes/no - No
24. Number and arrangement of cylinders: 4 In Line
25. Engine capacity: 2287cm^3
26. Fuel: Diesel
26.1. Mono fuel/Bi fuel/Flex fuel - Mono Fuel
27. Maximum power:
27.1. Maximum net power ([g]): 130 kW @ 3500m^{-1}
28. Gearbox (type): Automatic
28.1. Gearbox ratios: 1st 1:4,710, 2nd:1:2,840, 3rd:1:1,910, 4th 1:1,380, 5th 1:1,000, 6th 1:0.810, 7th 1:0.700, 8th:1:0,580.

28.1.1 Final Ratio: 4,585
28.1.2 Final Drive Ratios: 1st 1:21,595, 2nd 1:13,021, 3rd 1:8,757, 4th 1:6,327, 5th 1:4,585, 6th1:3,714, 7th1:3,210, 8th1:2,659.

Maximum speed

29. Maximum speed: 90 km/h

Axles and suspension

30. Axle(s) track: 1. 1810mm 2. 1790mm 3. - mm
35. Tyre/wheel combination ([h]) - Rolling Resistance: 7.4
Axle 1. 225/75R16C (121/120R) M+S 6Jx16-68 – C C2
Axle 2. 225/75R16C (121/120R) M+S 6Jx16-68 – C C2

Brakes

36. Trailer brake connections mechanical/electric/pneumatic/hydraulic ([1]) –

Bodywork

38. Code for bodywork ([i]):SC
40. Colour of vehicle ([j]): Sulphur Yellow
41. Number and configuration of doors: 1 n/s, 2 rear
42. Number of seating positions (including the driver) ([k]): 5
42.1. Seat(s) designated for use only when the vehicle is stationary: 0
42.3. Number of wheelchair user accessible position: 1 - Rear Wedge Ramp

Environmental performances

46. Sound level
Stationary: 83.9 dB(A) at engine speed: 2625 min^{-1}
Drive-by: 74 dB(A)
47. Exhaust emission level ([i]): Euro 6 CI
47.1 . Parameters for emission testing:
47.1.1 . Test mass: 3483 kg
47.1.2. Frontal area, m^2 ([161]): 6.766 m^2
47.1.2.1. Projected frontal area of air entrance of the front grille, cm^2: 1020
47.1.3. Road load coefficients:
47.1.3.0. f0, N: 242.1
47.2. Driving Cycle: DIESEL
47.2.1. Driving Cycle Class: 1/2/3a/3b ([4]): 3B
47.2.3 Capped speed: 93mph
48. Exhaust emissions ([m]):
1.1, - 1.2, 3.1, 2.2. Test procedure: TIPO 1 (WLTP)

	CO	THC	NMHC	NO_x	THC+ NO_x	Particulates (mass)	Particulates (number)
DIESEL	81.0 mg/km	- mg/km	- mg/km	58.8 mg/km	65.3 mg/km	0.70 mg/km	$0.014x10^{11}$ n./km

48.1. Smoke corrected absorption coefficient: 0.52(m^{-1})
49.

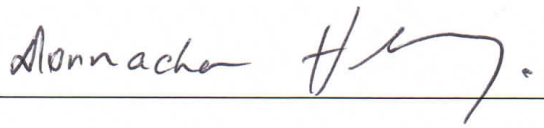
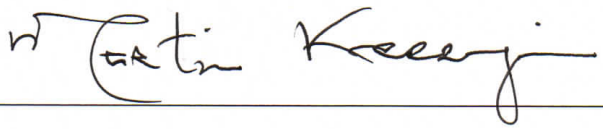
Fuel type:	GASOLIO	
NEDC Values (1): CoC Point 49.1	CO2 emission [g/km]:	Fuel consumption [l/100km]:
Urban:		
Extra-urban:		
Combined:		
WLTP VALUES (2): CoC Point 49.4]	CO2 emission [g/km]:	Fuel consumption [l/100km]:
Low:	363	13.8
Medium:	293	11.2
High:	297	11.3
Extra-High:	309	11.8
Combined:	309	11.8

Miscellaneous

51. For special purpose vehicles: designation in accordance with Annex II Section 5: Class SC
52. Remarks ([n]):

EC Whole Vehicle Type Approval

The following people are authorised as signatories for Certificates of Conformity relating to Whole Vehicle Type Approvals held by *Auto Conversions Ltd (Wilker group)*

Donnacha Hurley (Chief Executive Officer)	
Martin Kerrigan (Commercial Director)	
Gregg Kerrigan (Sales Director)	

Wilker Auto Conversions
T/A Auto Conversions
Frederick Street,
Clara, Co. Offaly,
R35 YD65
Ireland.

OBD & Type Approval Declarations

To whom it may concern,

We Wilker promise to supply any independent operator any information required for repair and maintenance both promptly and in an easily accessible format.

We the manufacturer have not applied for an EU type-approval for the same type WVFD to any other approval authority, and no other approval authority granted the manufacturer such an approval.

Sincerely yours

Martin Kerrigan

Commercial Director.

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET

FCA

FIAT CHRYSLER AUTOMOBILES

EXCHANGE AGREEMENT OF TECHNICAL DOCUMENTS FOR THE PROCESS OF MULTISTAGE HOMOLOGATION BETWEEN FCA Italy S.p.A. AND Wilker UK Limited

This agreement, dated as of 16th December, 2015 (the "Agreement"), is entered into by and between:

FCA Italy S.p.A., whose registered office is in Turin, ITALY, at Corso Giovanni Agnelli 200, registered at "Registro delle Imprese" under the number 934697, hereinafter referred to as "FCA"

and

Wilker UK Limited, whose registered office is in Sandbach, Cheshire, registered at "Units 1 & 2, Millbuck Park, Millbuck Way, Springvale Industrial Estate, Sandbach, Cheshire, CW11 3HT," under the number 02849024., hereinafter referred to as "Wilker UK Limited"

Whereas:

a) FCA is the manufacturer of the vehicle Fiat Ducato (hereinafter referred to as the "VEHICLE");

b) FCA and Wilker UK Limited pursuant to applicable laws and requirements need to exchange technical and homologative information in relation to the VEHICLE which is subject Wilker UK Limited's conversions (ex. Ambulance) ;

c) FCA and Wilker UK Limited have obtained, in relation to their productive units, a favourable technical-inspection clearance concerning their production-quality processes, according to the Directive 2007/46/EC and from time to time updated (hereinafter the "Directive");

d) FCA and Wilker UK Limited wish now to exchange certain documents and information concerning the technical prescriptions (requirements) contemplated in Annex IV, XI and XVII of the Directive regarding the VEHICLE homologation; such information shall include homologation data, in compliance with the principles and procedures of the above mentioned Directive 2007/46/EC as from time to time amended.

EMEA REGION

Fiat Chrysler Automobiles UK Ltd
Fiat House, 240 Bath Road
Slough, Berks SL1 4DX
Tel: 01753 511431
Fax: 01753 511471

Registered Office: Fiat House, 240 Bath Road, Slough, Berks SL1 4DX
Registered in England and Wales
Company Registration Number: 201514

NOW THEREFORE, in consideration of the recitals here above and subject to the terms, conditions and covenants set forth hereunder, FCA and Wilker UK Limited agree as follows:

Art. 1.- Purpose

1.1.- This Agreement sets forth the terms and conditions under which FCA and Wilker UK Limited shall exchange necessary documents and information in order to ensure conformity of the VEHICLE as well as the conversion made by Wilker UK Limited to the technical requirements set forth by the Directive.

In particular, FCA and Wilker UK Limited shall exchange all information and documents related to the homologation data.
For the purposes of this Agreement , the information and documentation above indicated be referred to as the "INFORMATION".

1.2.- The sharing of INFORMATION indicated in paragraph 1.1 here above includes every INFORMATION on the modifications that each of the Parties shall make to its product which may have an impact on the homologation of the VEHICLE or the related conversion.

1.3.- After the II stage-homologation has been obtained, Wilker UK Limited must provide this document to FCA upon FCA's request.

Art. 2.- Confidentiality of INFORMATION – Limits of use

2.1.- Any INFORMATION exchanged according to the present Agreement shall be always treated as confidential by the Parties and shall not be used for purposes other than the ones according to which the INFORMATION are released under the present Agreement .

2.2.- Wilker UK Limited shall be entitled to disclose the INFORMATION only in direct relation to the homologation procedures of the VEHICLE upon request of the relevant Type Approval Authorities.

Art. 3.- Obligations

3.1.- FCA shall disclose to Wilker UK Limited exclusively the INFORMATION on the basis of the current state of completion of the vehicle type and must incorporate all approvals granted at earlier stages.

3.2.- Wilker UK Limited shall disclose to FCA the INFORMATION related to the next state of completion of the vehicle type in accordance with the Directive as well as the modifications made by Wilker UK Limited to the VEHICLE elements homologated by FCA which may affect the previous homologation.

3.3.- Any costs and expenses associated with an update deriving from an applicable legislation modification shall be borne by each of the Parties considering each manufacturer in a multi-stage EC type-approval process is responsible for the approval and conformity of production of all systems, components or separate technical units manufactured by him or added by him to the previously built stage.

Art. 4.- Limits to the application of the present Agreement

4.1 The terms and conditions set forth in this Agreement are applicable exclusively only for projects which are formally presented by the Wilker UK Limited to FCA or which require the FCA "Nulla Osta" where applicable. For the sake of clarity it is understood between the Parties that the Wilker UK Limited will be entirely responsible for the above projects and any relevant transformation and in this respect the Wilker UK Limited undertakes to execute adequate insurance policies to cover the risk of product liability with primary bank institution previously approved by FCA covering damages and injuries to third parties arising from the VEHICLES transformed for an amount not lower than Euro 5 (five) million for each event (accident); such policy shall be maintained effective in compliance with applicable laws regarding product liability.
In addition the policy shall expressly report the waiver of the insurer related to the recourse against FCA and/or any company controlled by the latter. A copy of such insurance policy shall be attached to this Agreement as ANNEX 2.

4.2 Wilker UK Limited will provide collaboration and assistance to FCA so to constantly and efficiently monitor the behavior of the transformed VEHICLES in circulation with the objective to promptly identify any anomaly that may represent a risk of non-conformity and safety of the transformed VEHICLES or a non-conformity with laws and regulations applicable in the countries where the transformed VEHICLES is commercialized by using the homologation obtained by the Wilker UK Limited. Wilker UK Limited shall always maintain tracks of final users of the transformed VEHICLES.

4.3 FCA is entitled at any time and with the modalities deemed appropriate, to launch recall campaigns which are considered necessary so to guarantee the safety of the original components (not affected by transformation and modifications) equipping the VEHICLES (and transformed VEHICLES).

4.4 Wilker UK Limited will also be entitled at any time and with the modalities deemed appropriate, to launch recall campaign which are considered necessary to guarantee the safety of the transformed VEHICLES.

4.5 Wilker UK Limited shall provide to FCA the maximum collaboration as regards recall campaigns if necessary and required by FCA.

4.6 FCA will be entitled at any time and with the modalities deemed appropriate, following a specific agreement with Wilker UK Limited, to launch the recall campaigns that it may consider necessary so to guarantee the safety of the transformed VEHICLES. With this purpose, Wilker UK Limited undertakes in any case to provide any necessary activity, consent and cooperation so to allow a prompt launch of the recall campaigns which FCA, at its sole discretion, may have considered necessary on the basis, inter alia, of the information, data and analysis regarding the safety of the transformed VEHICLES obtained by FCA pursuant to articles. 4.2 and 4.5.
In such last case, Wilker UK Limited will be obliged to make available to FCA, as promptly as possible, the added components (related to part transformed and modified), as well as the instruments, the procedures and the diagnostic capacity which may be necessary as regards the competence of the Wilker UK Limited, and to prepare a direct intervention of its own personnel for the execution of the recall campaign, if necessary.

4.7 It is understood between the Parties that Wilker UK Limited shall bear all costs, direct or indirect, of the recall campaigns due to defectiveness, non-compliance or non-conformity to any applicable regulations of modifications, transformation, added components brought on the VEHICLES.

Art. 5.- Duration

5.1.- The present Agreement shall be valid and effective for .....Fiat Ducato as from the date of signature for an indefinite period of time, unless otherwise provided by the parties hereto.

5.2.- It shall however be automatically terminated in the event the Agreement between FCA and Wilker UK Limtied is terminated for any reason whatsoever.

5.3.- Wilker UK Limited shall be obliged to notify the termination of the present Agreement to the Type Approval Authorities competent for subsequent stage approval procedures according to the rules set forth in the Directive as from time to time amended and in compliance with the present Agreement . In any case FCA reserves its right to notify the termination thereof to the above cited Authorities.

Art. 6.- Modifications

This Agreement may be amended or modified only by a writing executed by all of the parties.

Art. 7.- GOVERNING LAW

7.1.- This Agreement shall be governed by and constructed according to the Italian Laws.

7.2.- Any controversy between the Parties relative to or connected to the present Agreement which cannot be settled amicably shall be devolved to the exclusive competence of the Tribunale di Torino.

In Witness Whereof, the Parties have caused this Agreement and its Annexes to be executed by their respective duly authorised officers or representatives as of the date first above written.

FCA Italy S.p.A.
(Country Manager, with power of attorney)

Wilker UK Limited
Director

EMEA

SWEDISH APPROVAL AUTHORITY
TRANSPORT STYRELSEN
SVENSK GODKÄNNANDEMYNDIGHET

FCA

FIAT CHRYSLER AUTOMOBILES

ANNEX 1

From FCA :

The manuals, the DGM charts and all the technical drawings for LCV conversions are available in the Internet site : **www.fiatprofessional-converters.com**

From Wilker UK Limited

www.wilkergroup.com

Documents to be sent to FCA (if needed)

The car maker, in order to give technical approval, may ask the converter to do integrative tests that it held necessary.

These documents must be sent to the Conversions Product Manager of the market: andy.parker@fcagroup.com

DOCUMENTATION FOR TECHNICAL APPROVAL

List of documents to be presented for getting the technical approval:

Number of copies to send to **FCA:** 2 copies if paper document, 1 copy if electronic document.

a) Detailed technical report (this document will describe clearly all the changes brought to the vehicle).

b) Converted vehicle technical drawing with main dimensions (height, length, width, wheelbase, height from ground of vehicle without load).

c) Detailed technical drawings of:
   - Connection system between base vehicle and over structure

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- Modifications to base vehicle body (opening of new windows, doors, cuts on body, etc.)
- Modifications to mechanical parts and/or electric components
- Electrical scheme of conversion and interface with base vehicle
- Added structures as integration of the basic vehicle structure (mandatory for interventions on "platform cab" vehicle)

d) List of removed and modified parts of the base vehicle

e) List of added parts

f) Calculation of the weights compliant to the registered values for the base vehicle, with the declaration of masses and capacity partitioning, in all working conditions

g) Mission of the vehicle (main/exceptional loads, environmental conditions, etc.)

h) Indication of the exact type of vehicle
This information can be found in the registration document if the vehicle was already registered (in this case, a copy of this document must be sent) or in the declaration of conformity / certificate of origin if the vehicle is converted before the registration

i) Copy of test reports performed by accredited technical centers

j) Copy of reports regarding structural tests performed on the conversion or any of its parts

k) Description of the production process of the conversion

l) Releasing declaration from any liability of FCA for any possible breakdown or anomalies that occurred on the vehicle and attributed to the conversion

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FIAT CHRYSLER AUTOMOBILES

ANNEX 2

Copy of insurance policy

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