INFORMATION FOLDER / DOCUMENT:

OKB/RAM02-00

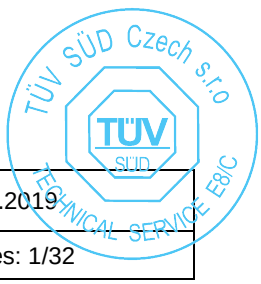
PURSUANT TO UN/ECE REGULATION No. 14 “UNIFORM PROVISIONS CONCERNING THE APPROVAL OF VEHICLES WITH REGARD TO SAFETY-BELT ANCHORAGES, ISOFIX ANCHORAGES SYSTEMS AND ISOFIX TOP TETHER ANCHORAGES“

(as last amended)

FOR A SEATS TYPE

RAM02

Total number of pages: *32*
Date of issue: *23.08.2019*



List of documentation and supplements

List of enclosures

Location of the seats	Enclosure 1
Drawings of seats and seatbelt anchorages	Enclosure 2
Seat anchorages	Enclosure 3
Assembly drawings	Enclosure 4

Confirmation

We hereby declare that the vehicle specimens submitted for this approval test have been manufactured and assembled on conditions of ordinary mass production and that they are compatible with the enclosed documentation.

Date of issue: *23th August 2019*

0.	GENERAL	
0.1	Make (trade name of manufacturer):	OKBee
0.2	Type:	RAM02
0.2.1	Commercial name(s) (if available):	OKBeeRAM02
0.2.2	Dedicated to the vehicle(s):	Mercedes Sprinter: Model 906 – production date: 2006-2018 type: 906BB35, 906BB50 Model 907 – production date: 2018-… type: 906BB35, 906BB50 Model 910 – production date: 2018-… type: KL3A4, KL3A5 Volkswagen Crafter: production date: 2006-2016 type: 2EK?(?) Fiat Ducato: Type: 250 Peugeot Boxer: Type: Y Citroen Jumper: Type: Y
0.3	Means of identification of type:	N/A
0.3.1	Location of that marking:	N/A
0.4	Category of vehicle:	M1
0.5	Name and address of manufacturer:	OKB Sp. z o.o. ul. Rokicińska 108/110 95-006 Bukowiec Poland
0.8	Name(s) and address(es) of assembly plant(s):	OKB Sp. z o.o. ul. Rokicińska 108/110 95-006 Bukowiec Poland

1.	GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE	
1.1	Photographs and/or drawings of a representative vehicle:	N/A
9.	BODYWORK	
9.1	Type of bodywork using the codes set out in Part C of Annex II of Directive 2007/46/EC:	N/A
9.10	Interior arrangement	N/A
9.10.3	Seats	
9.10.3.1	Number of seating positions:	N/A
9.10.3.1.1	Location and arrangement:	N/A
9.10.3.2	Seat(s) designated for use only when the vehicle is stationary:	N/A
9.10.3.3	Mass:	RAM02 – 62 kg – mass of the heaviest configuration RAM02 is double seat frame with two single seat S1NOV01
9.10.3.4	Characteristics: for seats not type-approved as components, description and drawings of	
9.10.3.4.1	The seats and their anchorages:	See Enclosure 2, Enclosure 3
9.10.3.4.2	The adjustment system:	N/A
9.10.3.4.3	The displacement and locking systems:	N/A
9.10.3.4.4	The seat-belt anchorages (if incorporated in the seat structure):	RAM02 – see Enclosure 2
9.10.3.4.5	The parts of the vehicle used as anchorages:	N/A
9.10.3.5	Coordinates or drawing of the R-point	
9.10.3.5.1	Driver's seat:	N/A
9.10.3.5.2	All other seating positions:	RAM02 – see Enclosure 2
9.10.3.6	Design torso angle	
9.10.3.6.1	Driver's seat:	N/A
9.10.3.6.2	All other seating positions:	RAM02 – see Enclosure 2
9.10.3.7	Range of seat adjustment	
9.10.3.7.1	Driver's seat:	N/A
9.10.3.7.2	All other seating positions:	N/A

9.10.4.	Head restraints	
9.10.4.1.	Type(s) of head restraints:	RAM02 – integrated
9.10.4.2.	Type-approval number(s), if available:	N/A
9.10.4.3.	For head restraints not yet approved	N/A
9.13	Safety belt anchorages	
9.13.1	Photographs and/or drawings of the bodywork showing the position and dimensions of the actual and effective anchorages including the R-points:	See Enclosures
9.13.2	Drawings of the belt anchorages and parts of the vehicle structure where they are attached (with the material indication):	See Enclosure 2
9.13.3	Designation of the types of safety belt authorised for fitting to the anchorages with which the vehicle is equipped:	

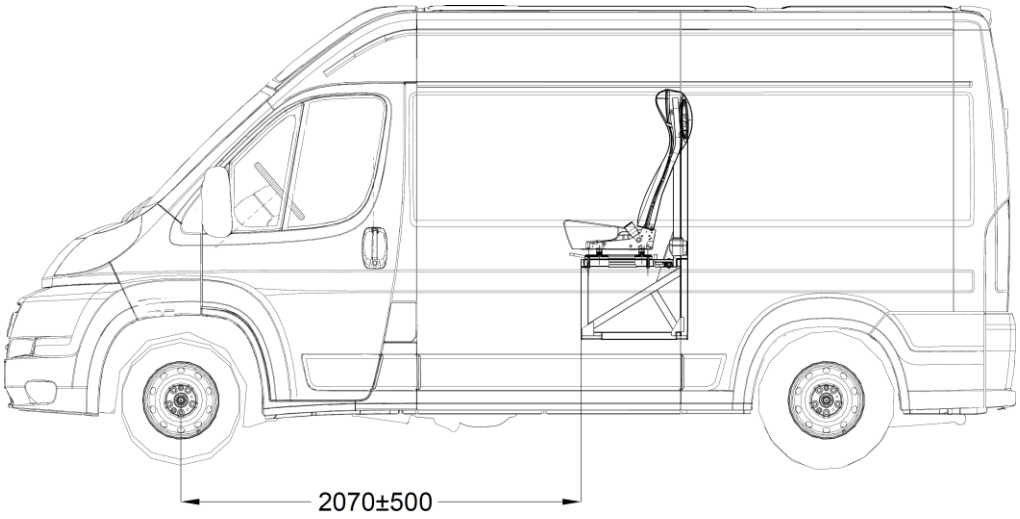
	Anchorage location	
	Vehicle structure	Seat structure
First row of seats	N/A	N/A

Second row of seats			Anchorage location	
			Vehicle structure	Seat structure
Left-hand seat	Lower anchorages	outboard	--	*Ar*
		inboard	--	*Ar*
	Upper anchorages		--	*Ar*
Right-hand seat	Lower anchorages	outboard	--	*Ar*
		inboard	--	*Ar*
	Upper anchorages		--	*Ar*

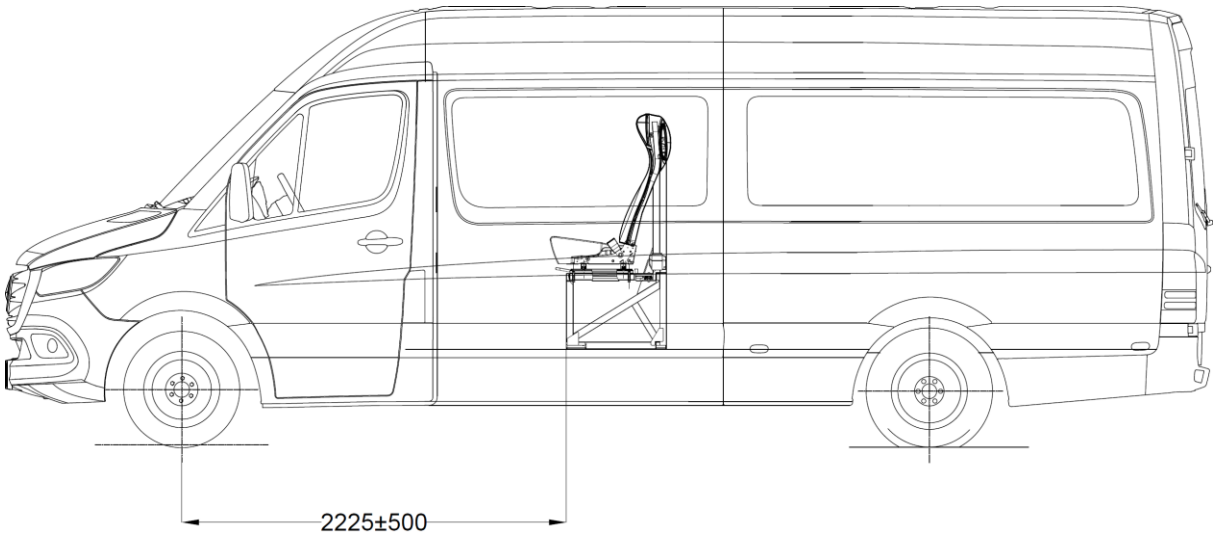
9.13.4	Description of a particular type of safety belt where an anchorage is located in the seat backrest or incorporates an energy dissipating device:	Ar4m

Enclosure 1: LOCATION OF THE SEATS

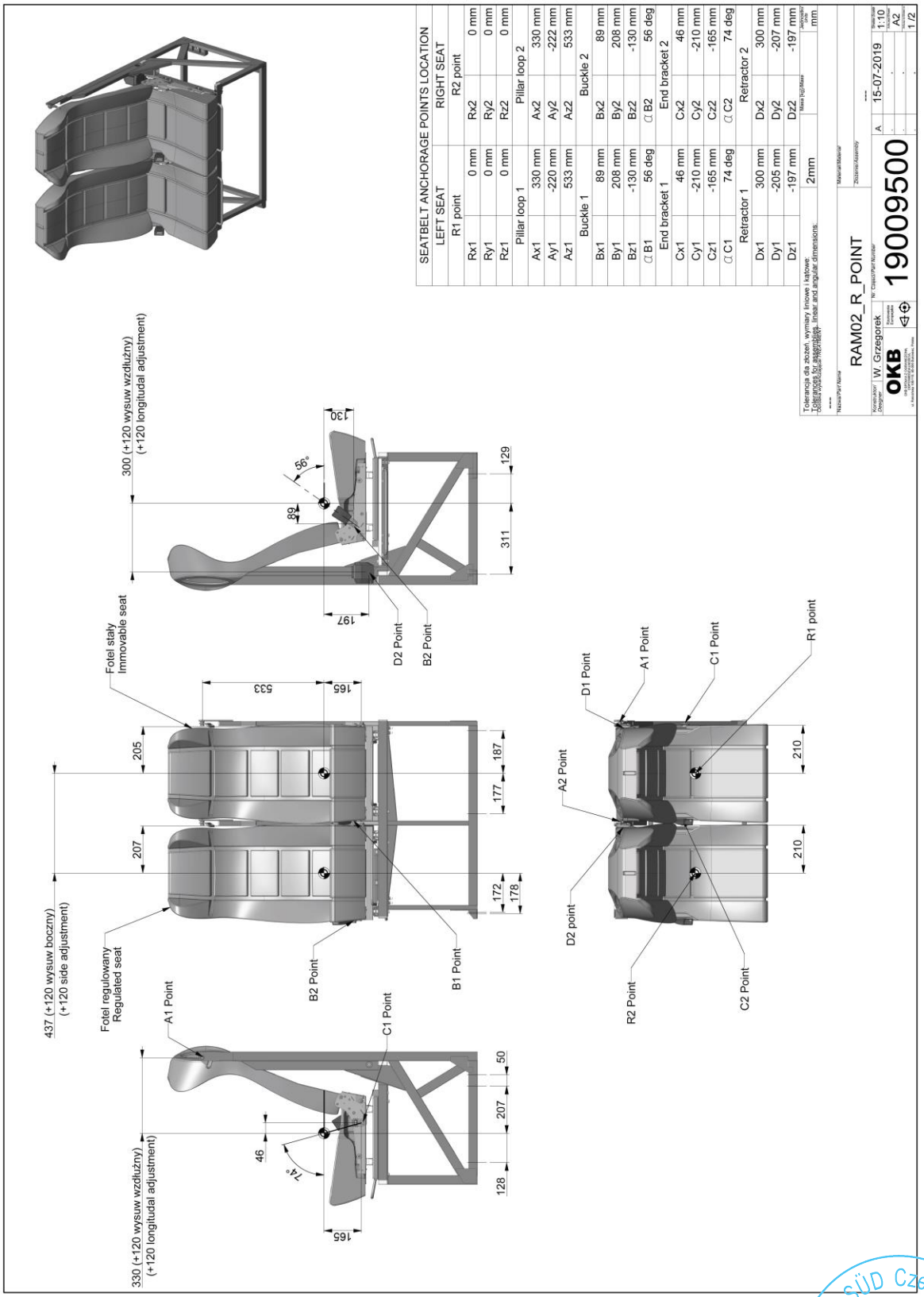
Location of RAM02 in Fiat Ducato/Peugeot Boxer/Citroen Jumper

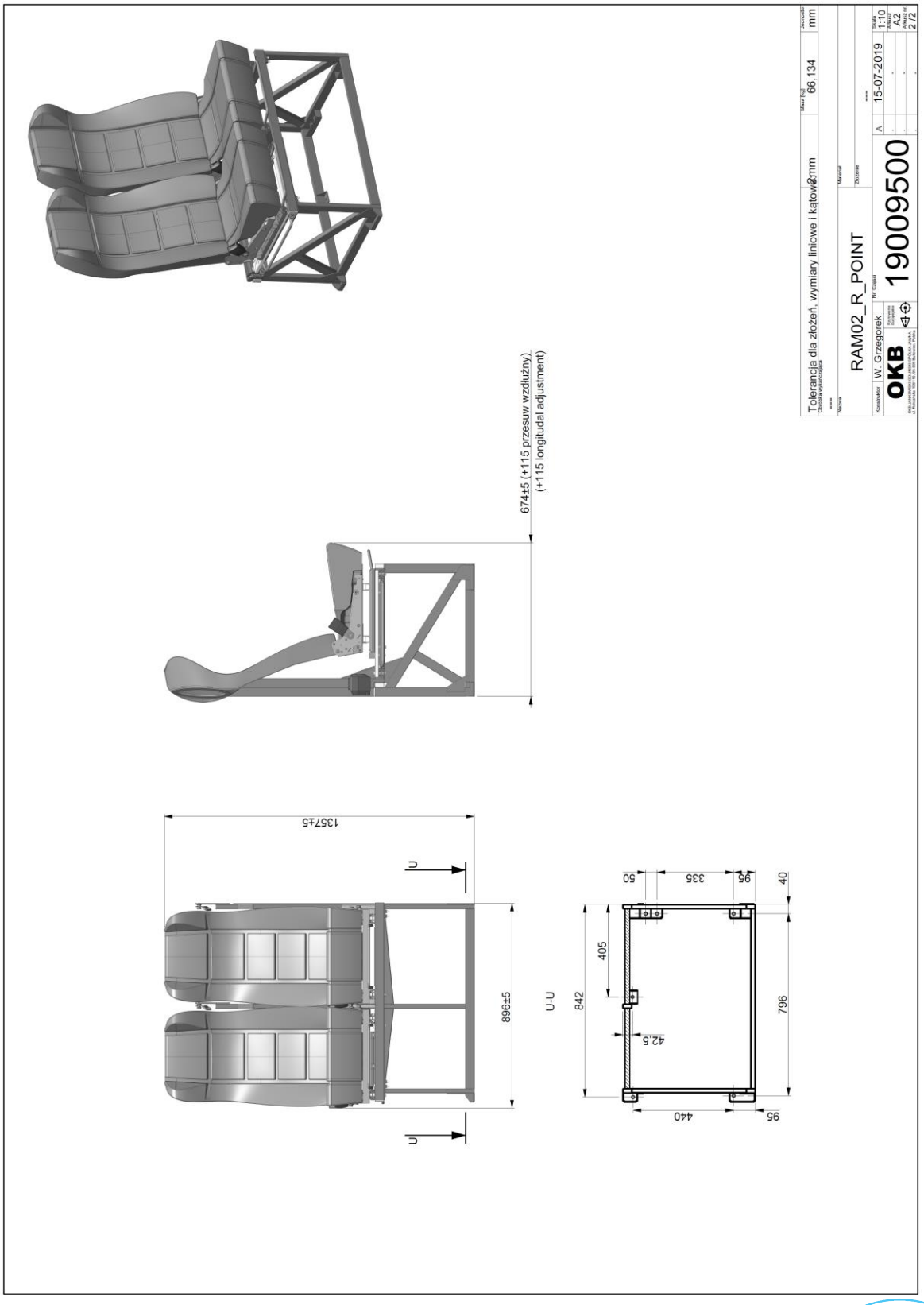


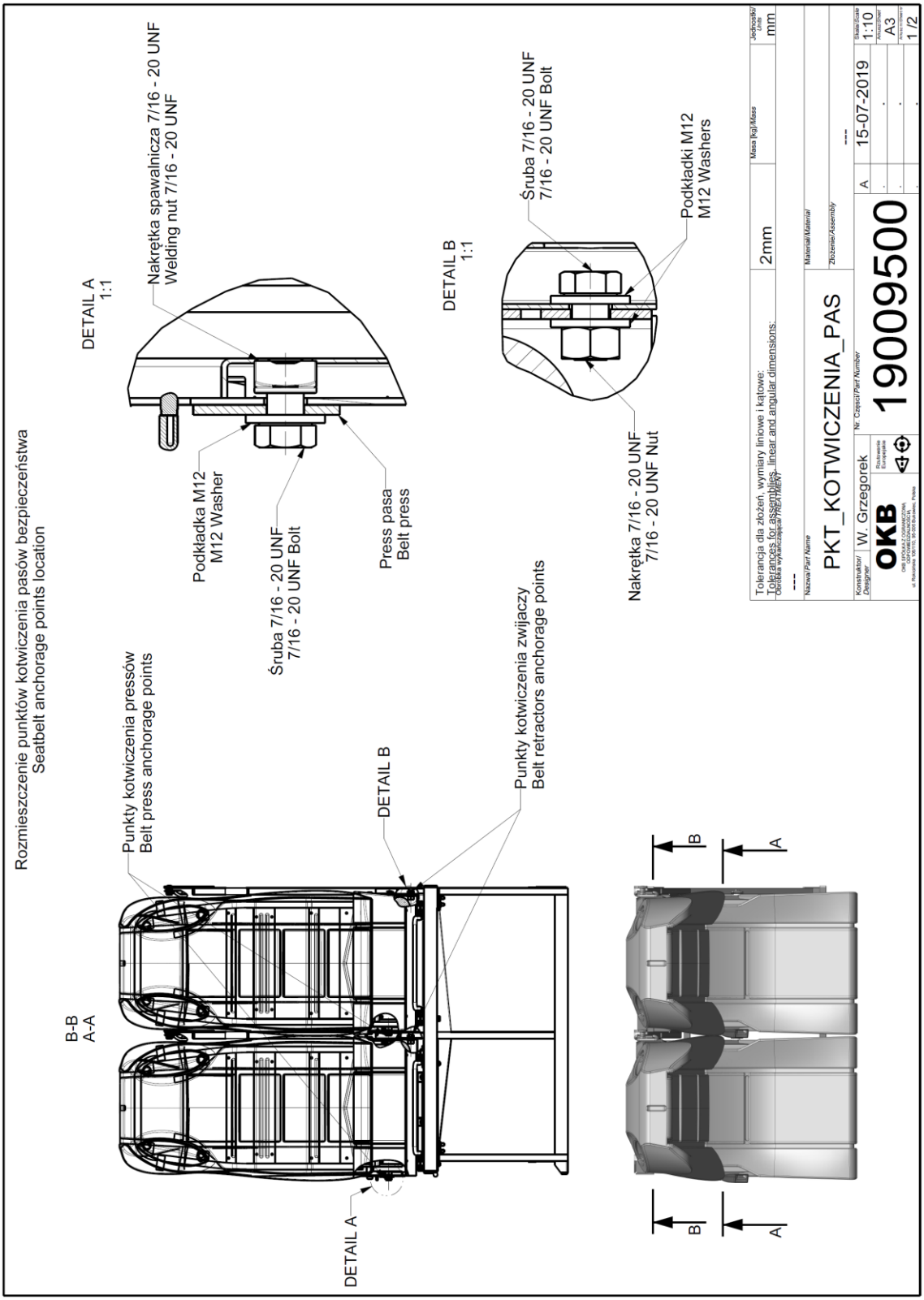
Location of RAM02 in Mercedes Sprinter/Volkswagen Crafter

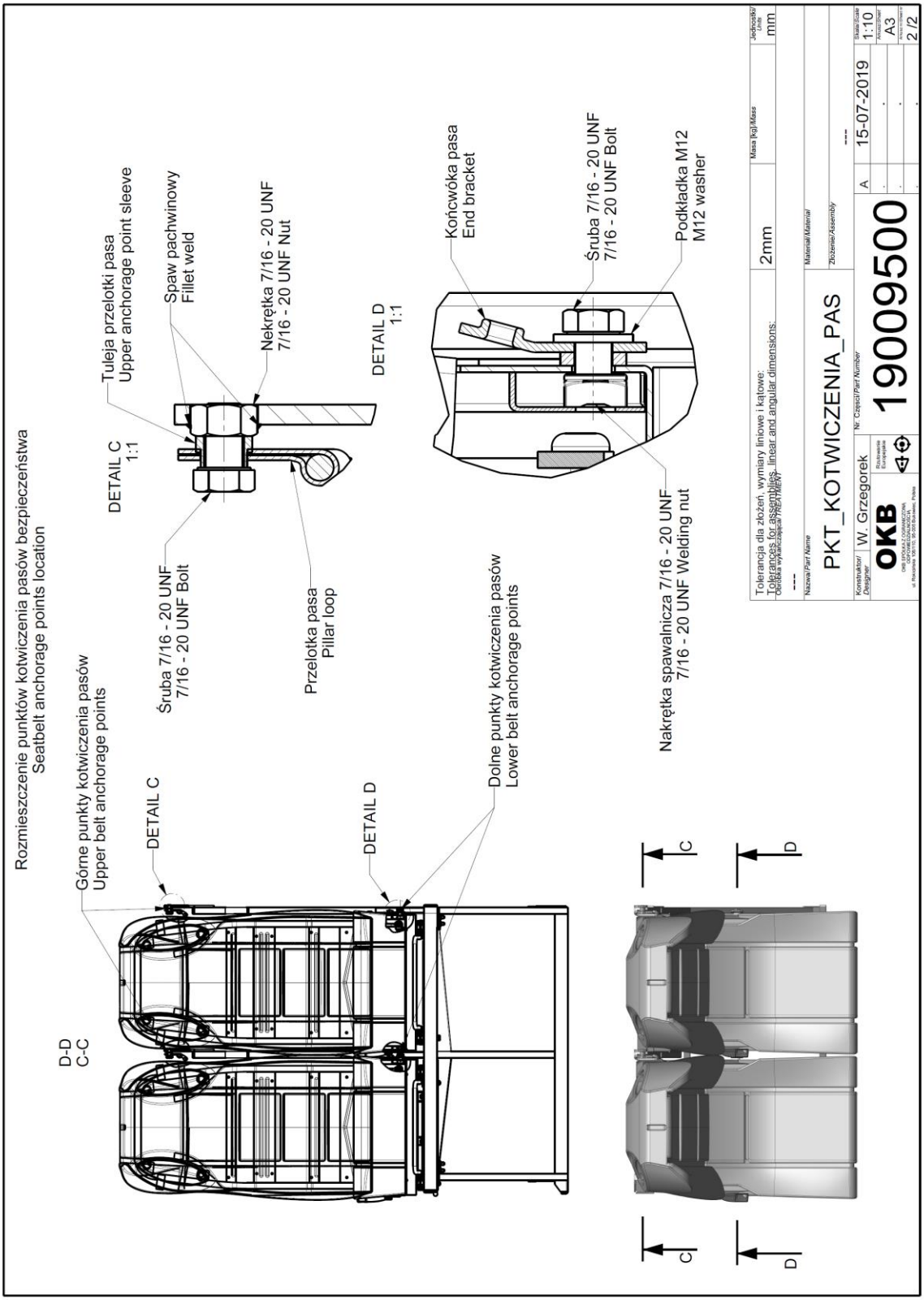


Enclosure 2: DRAWINGS OF SEATS AND SEATBELTS ANCHORAGES

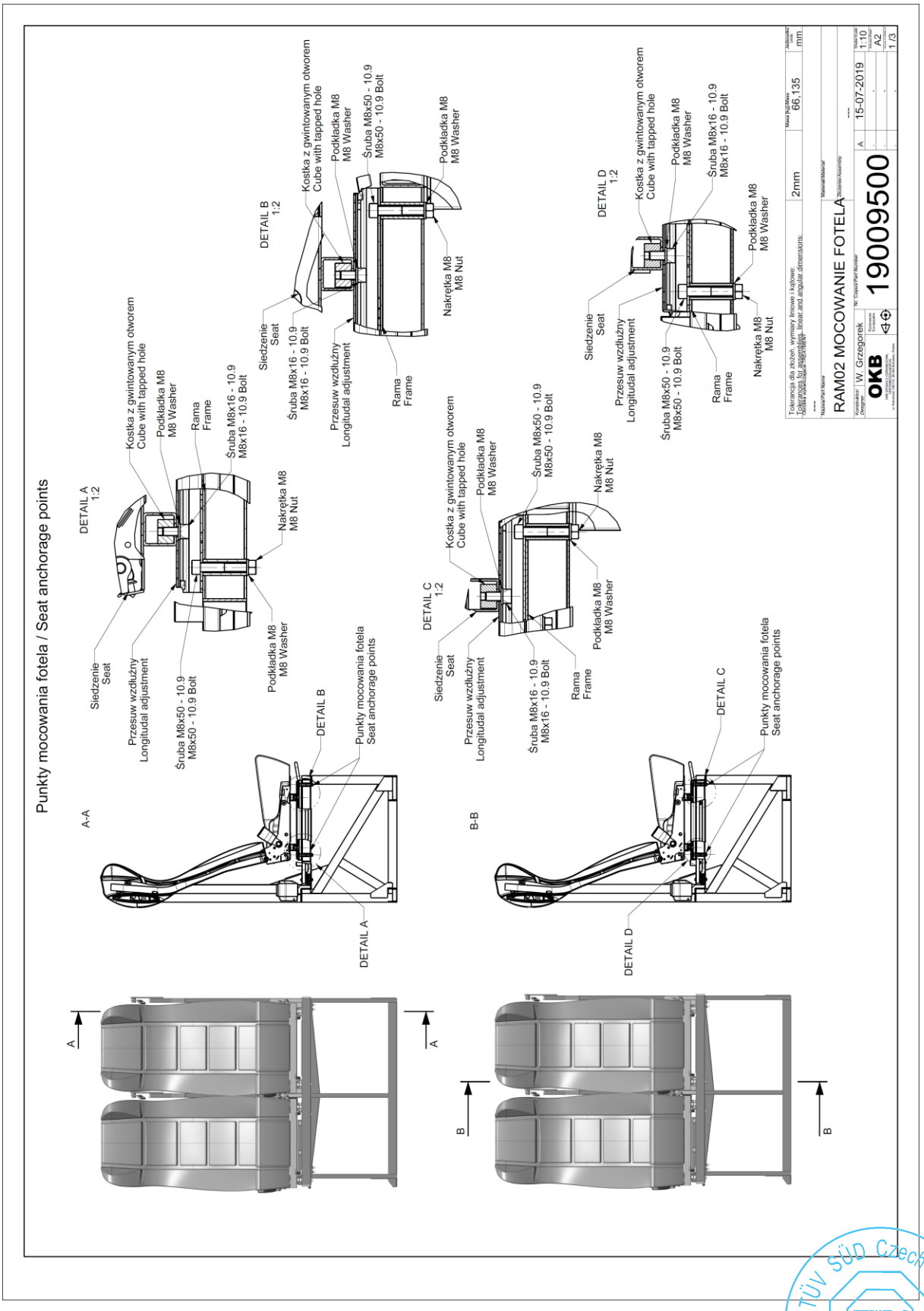


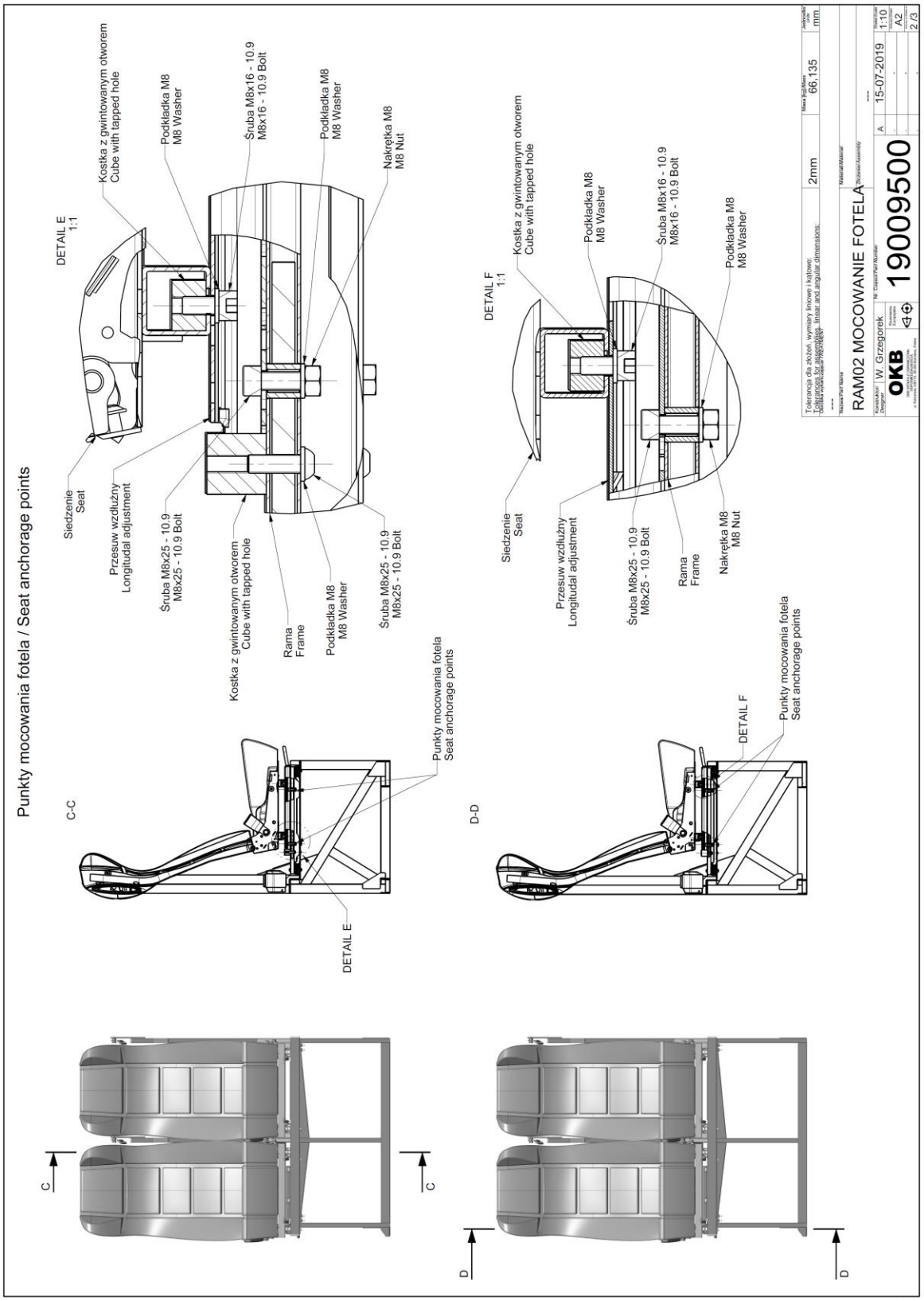


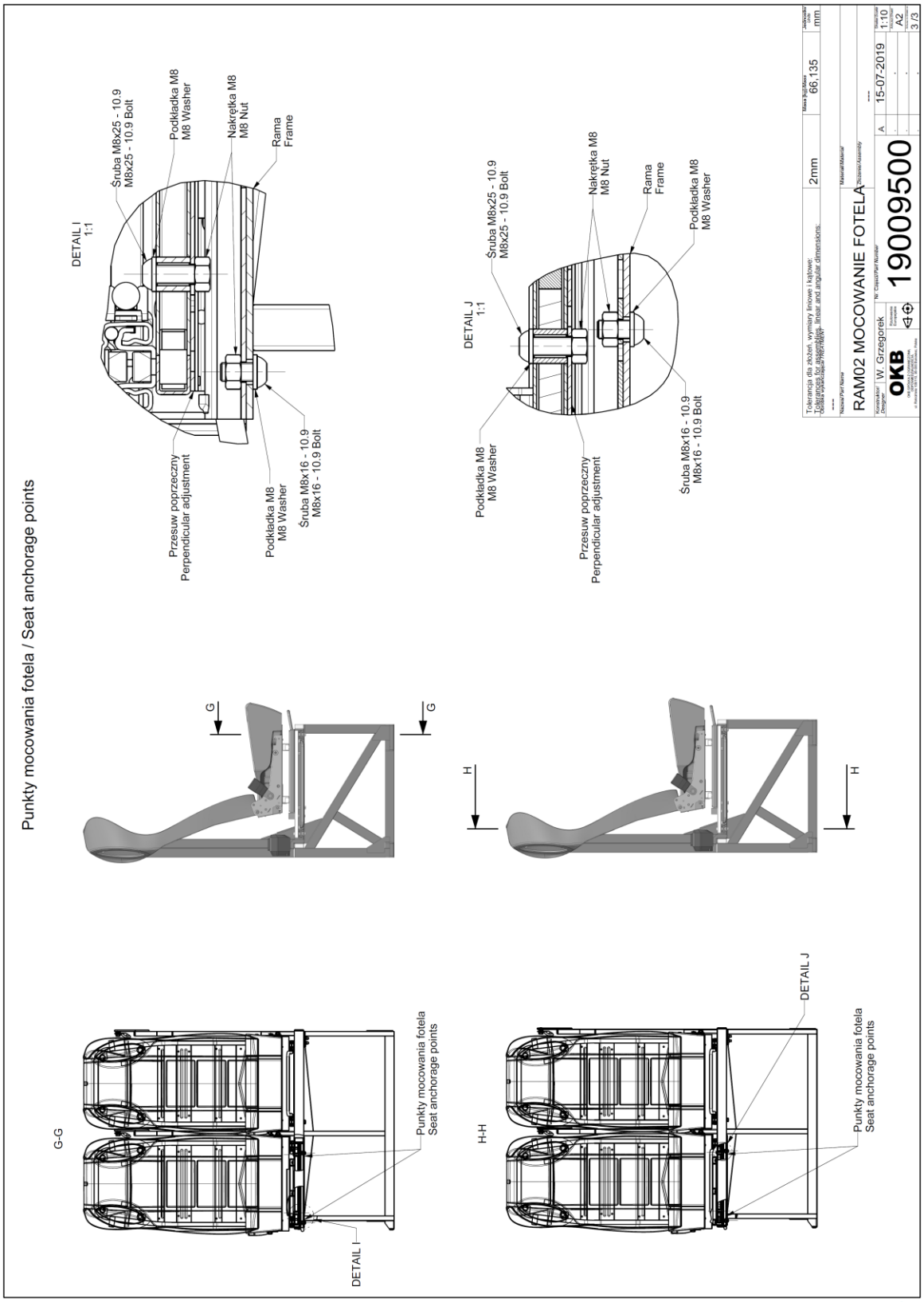




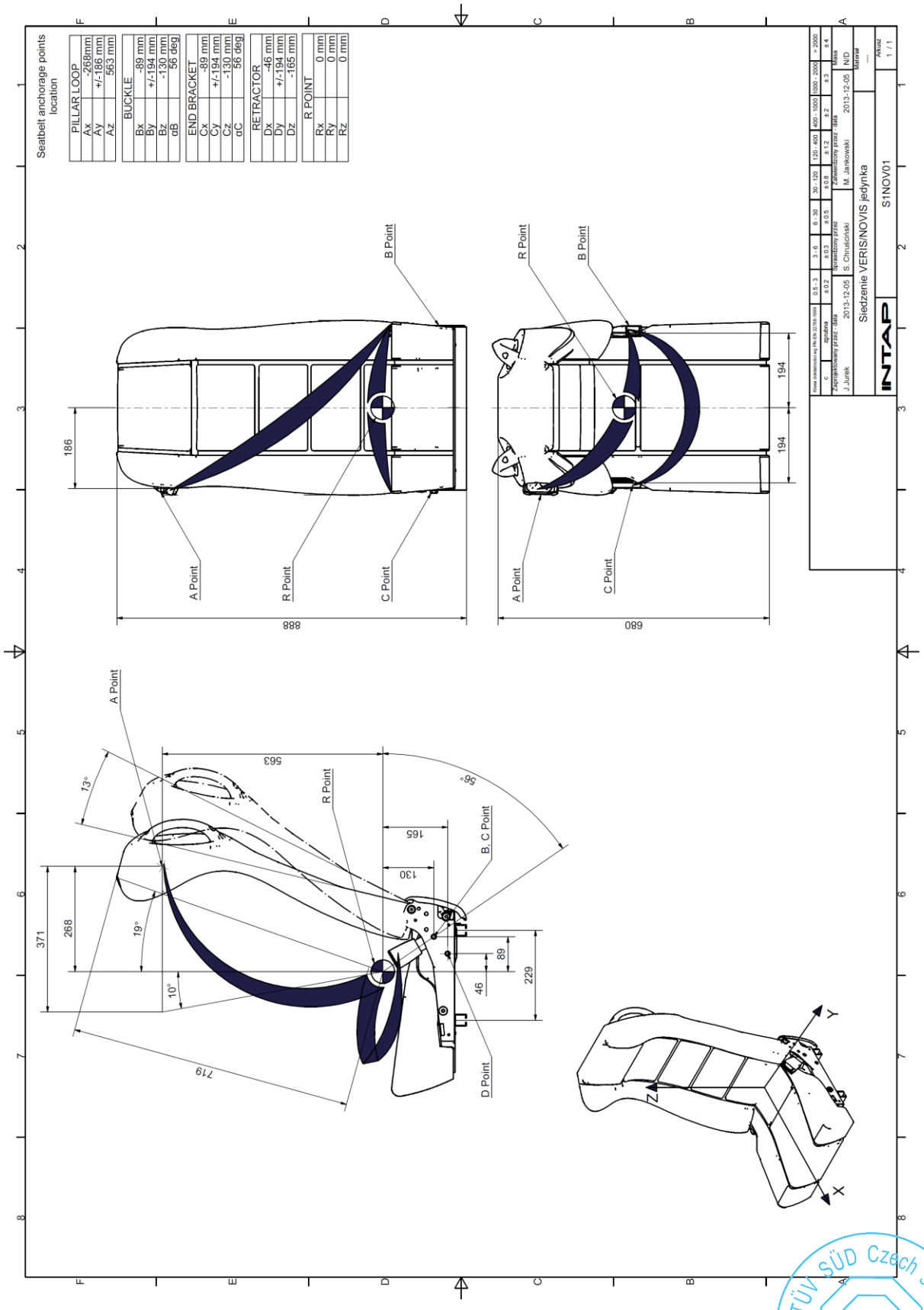
Fixation of seats to RAM02 frame

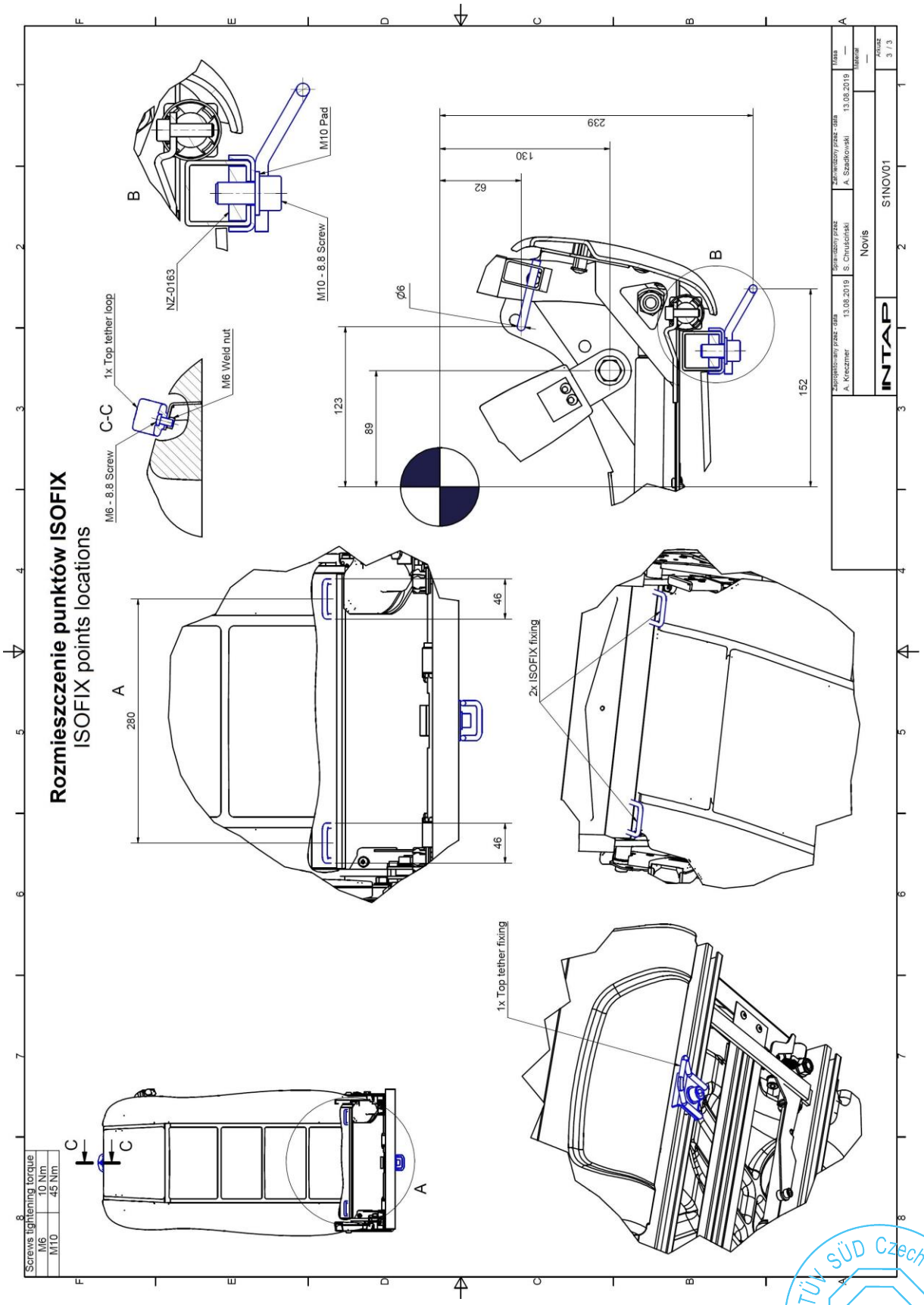






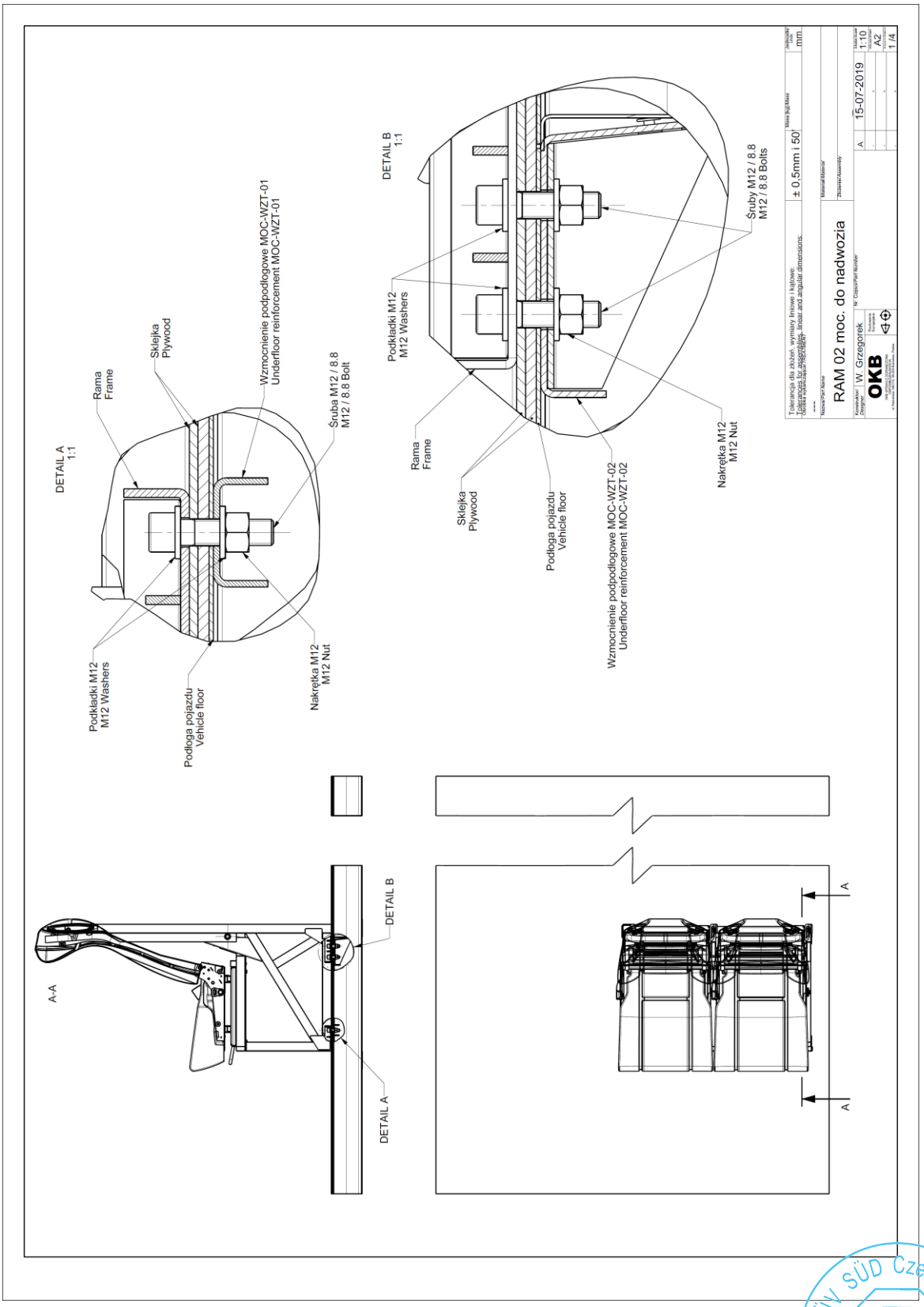
Seats mounted to RAM02 frame

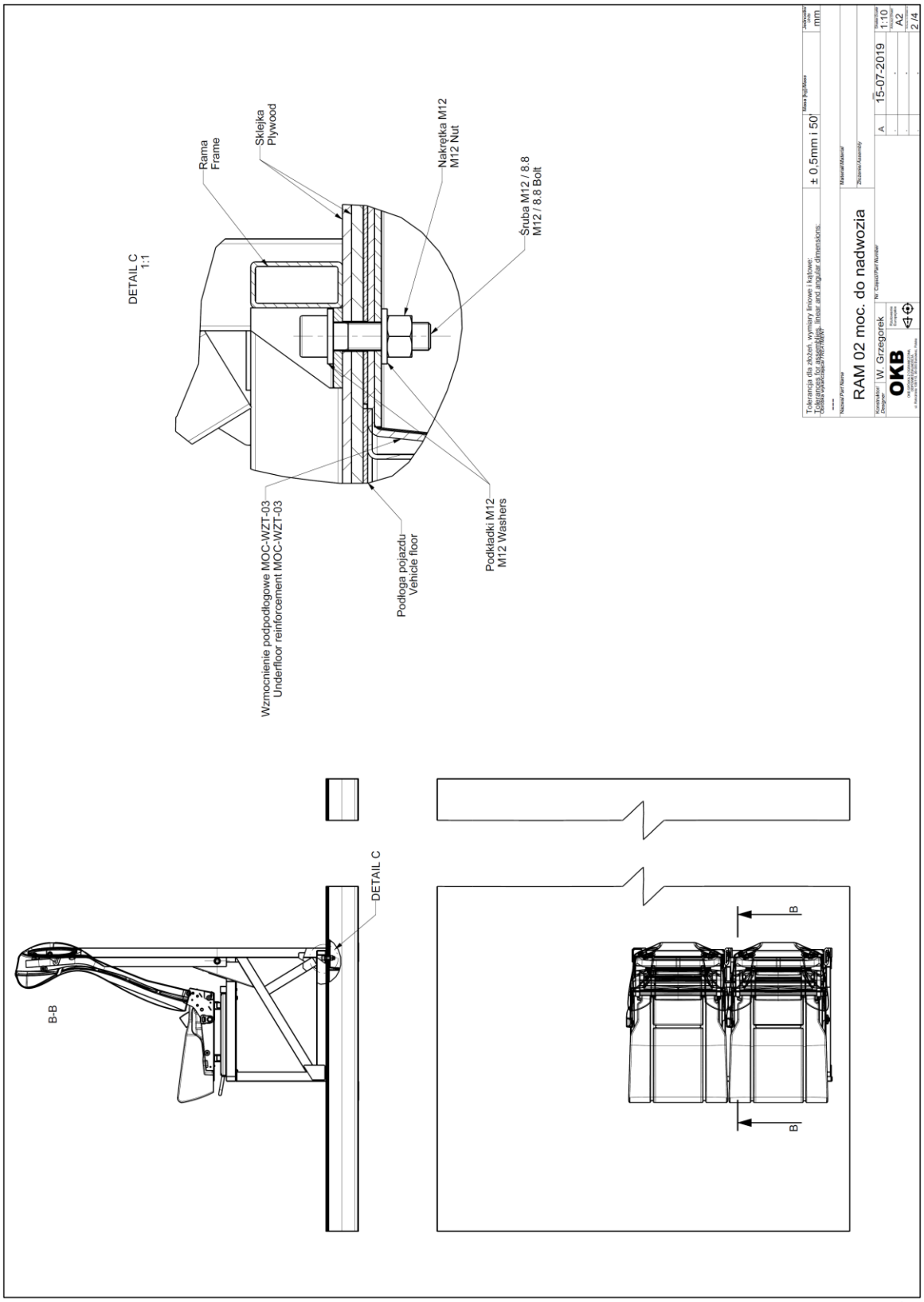


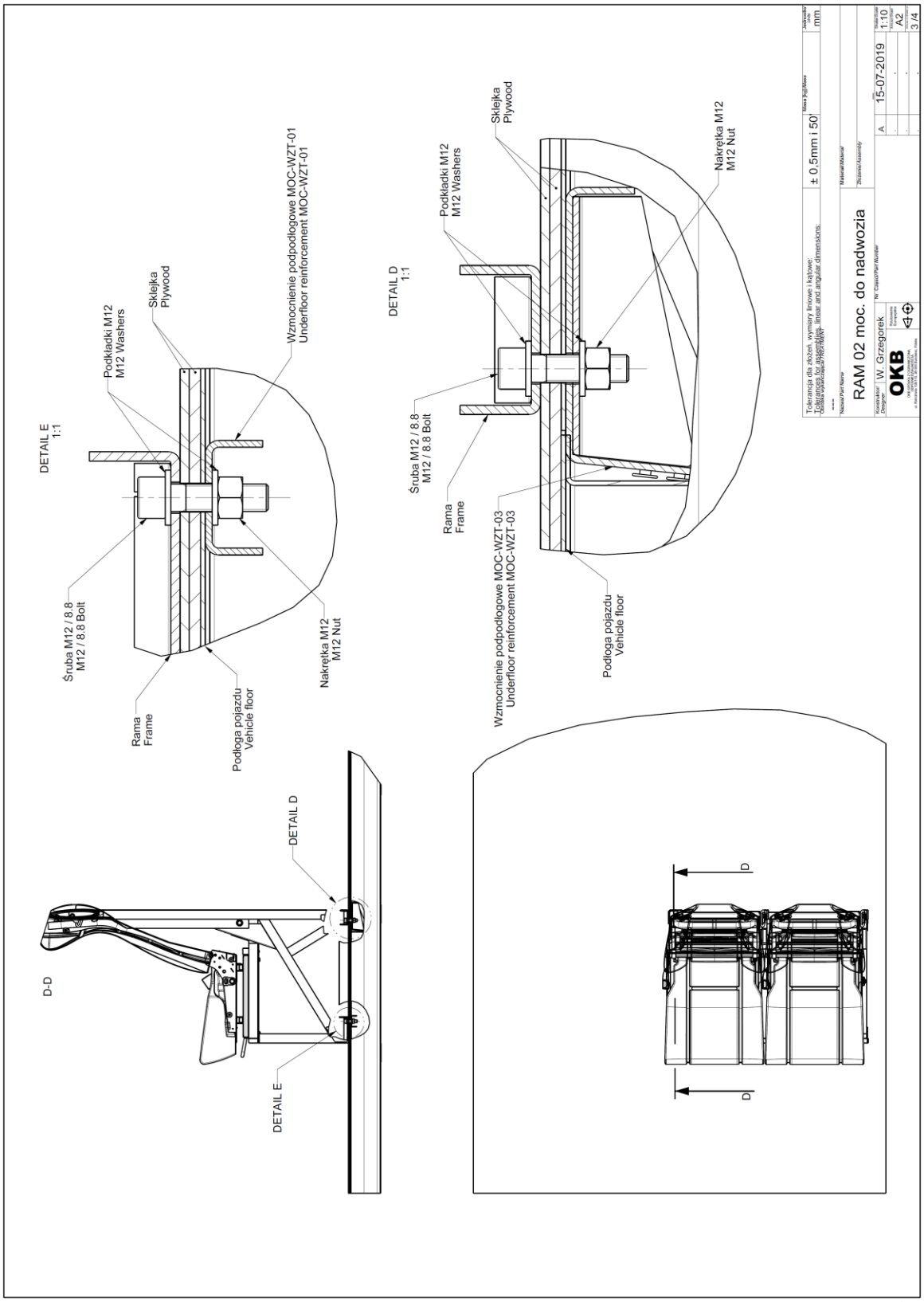


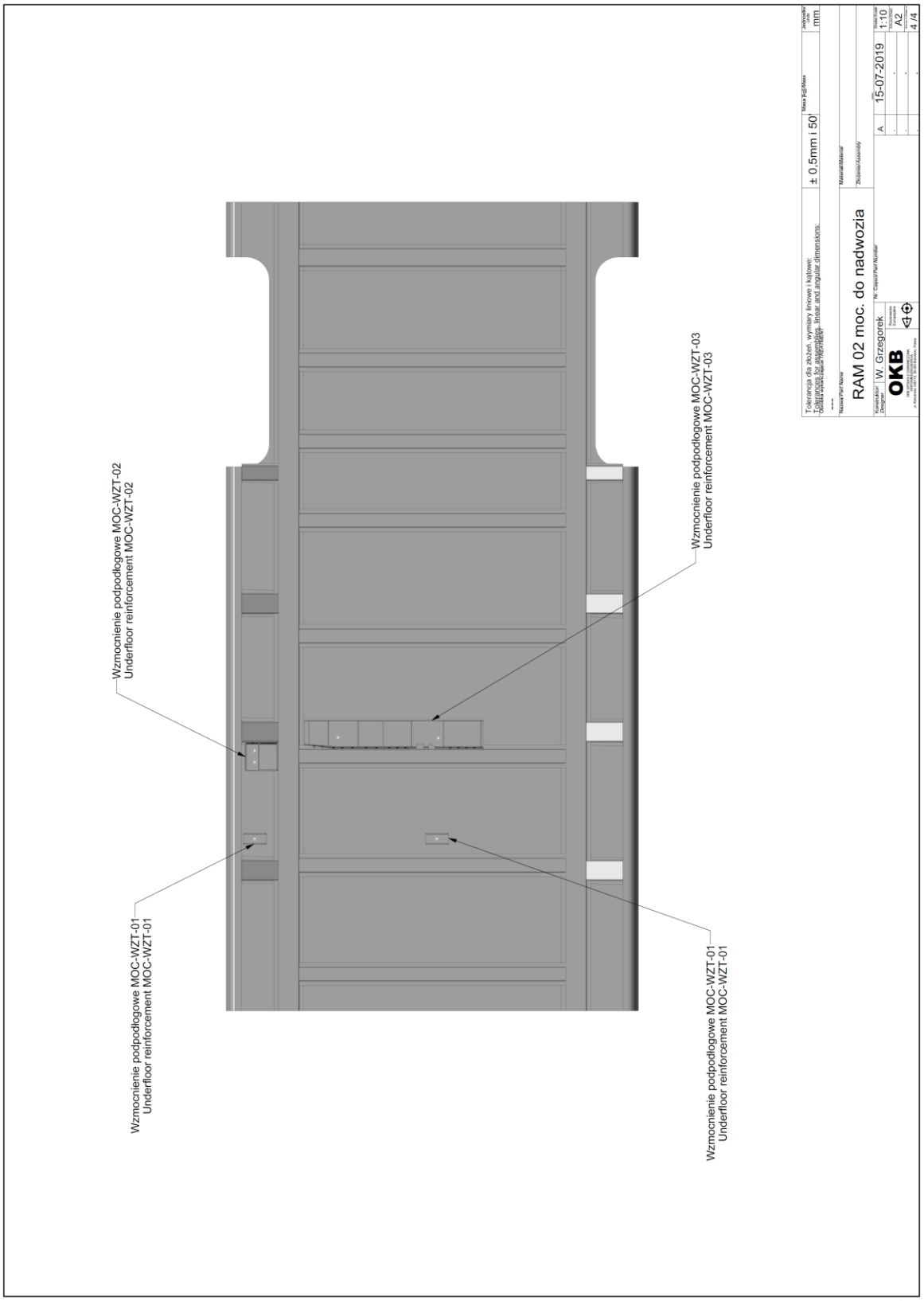
Enclosure 3: SEATS ANCHORAGES

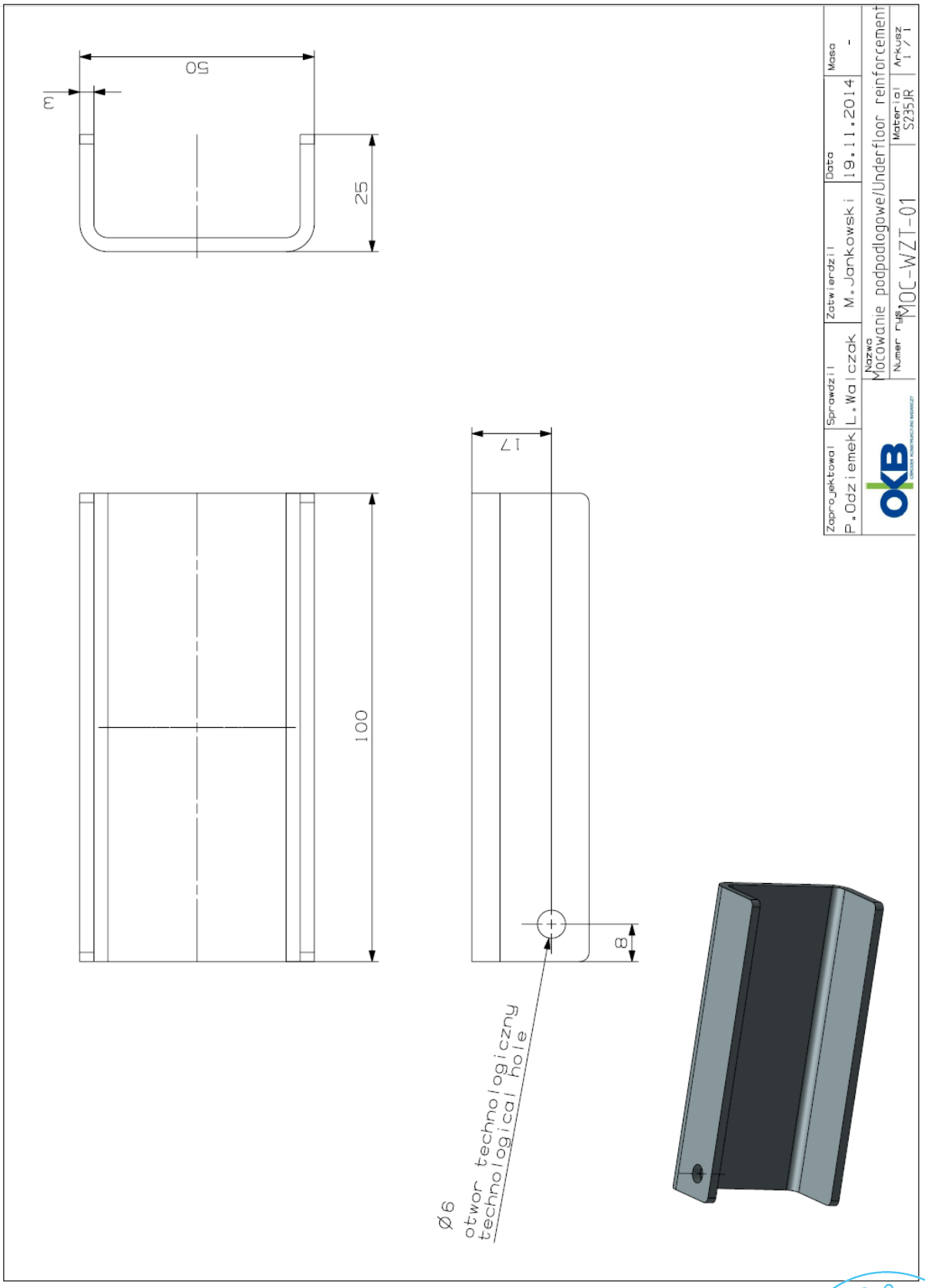
Solution 1 – fixation of RAM02 to Fiat Ducato/Peugeot Boxer/Citroen Jumper

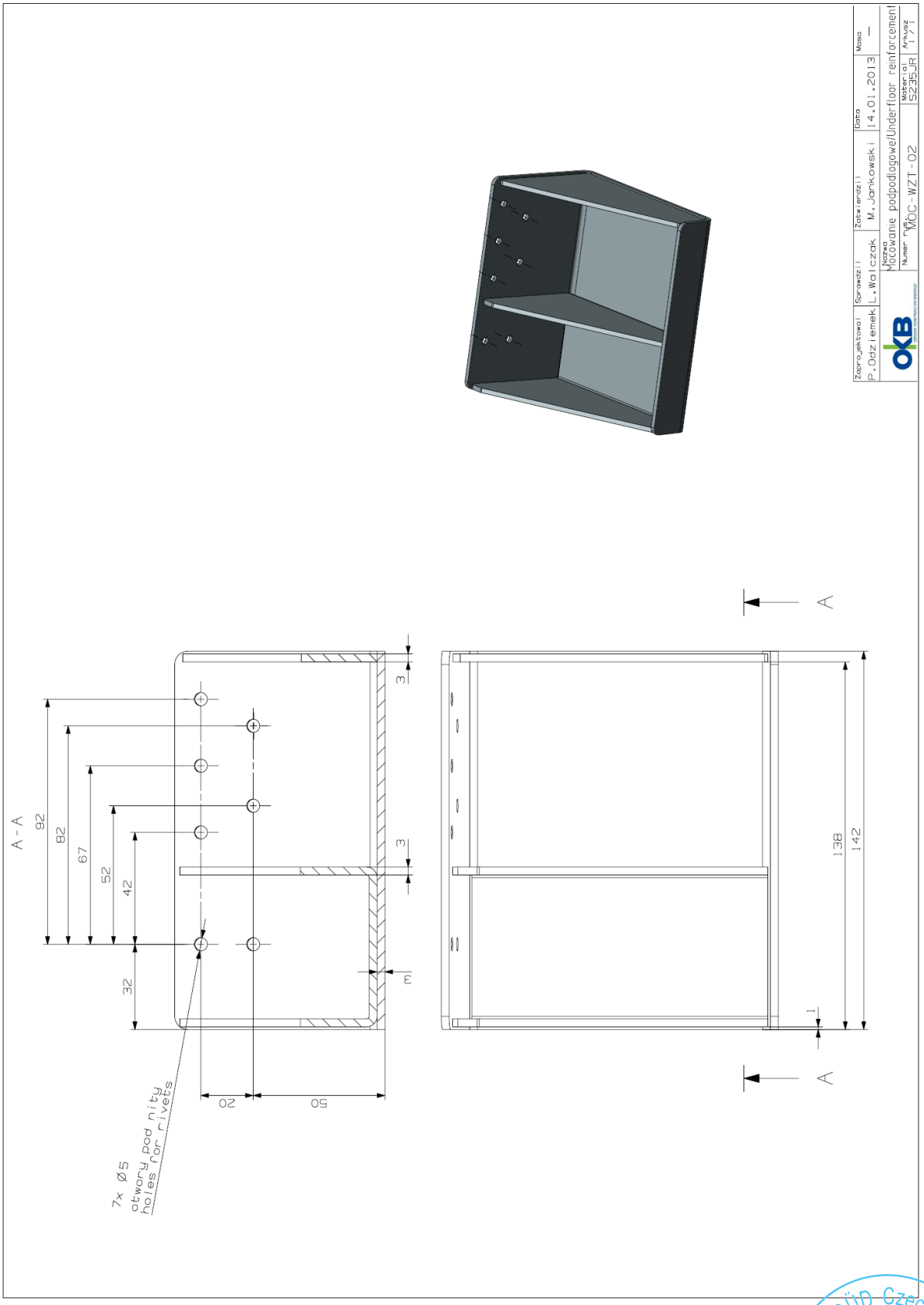


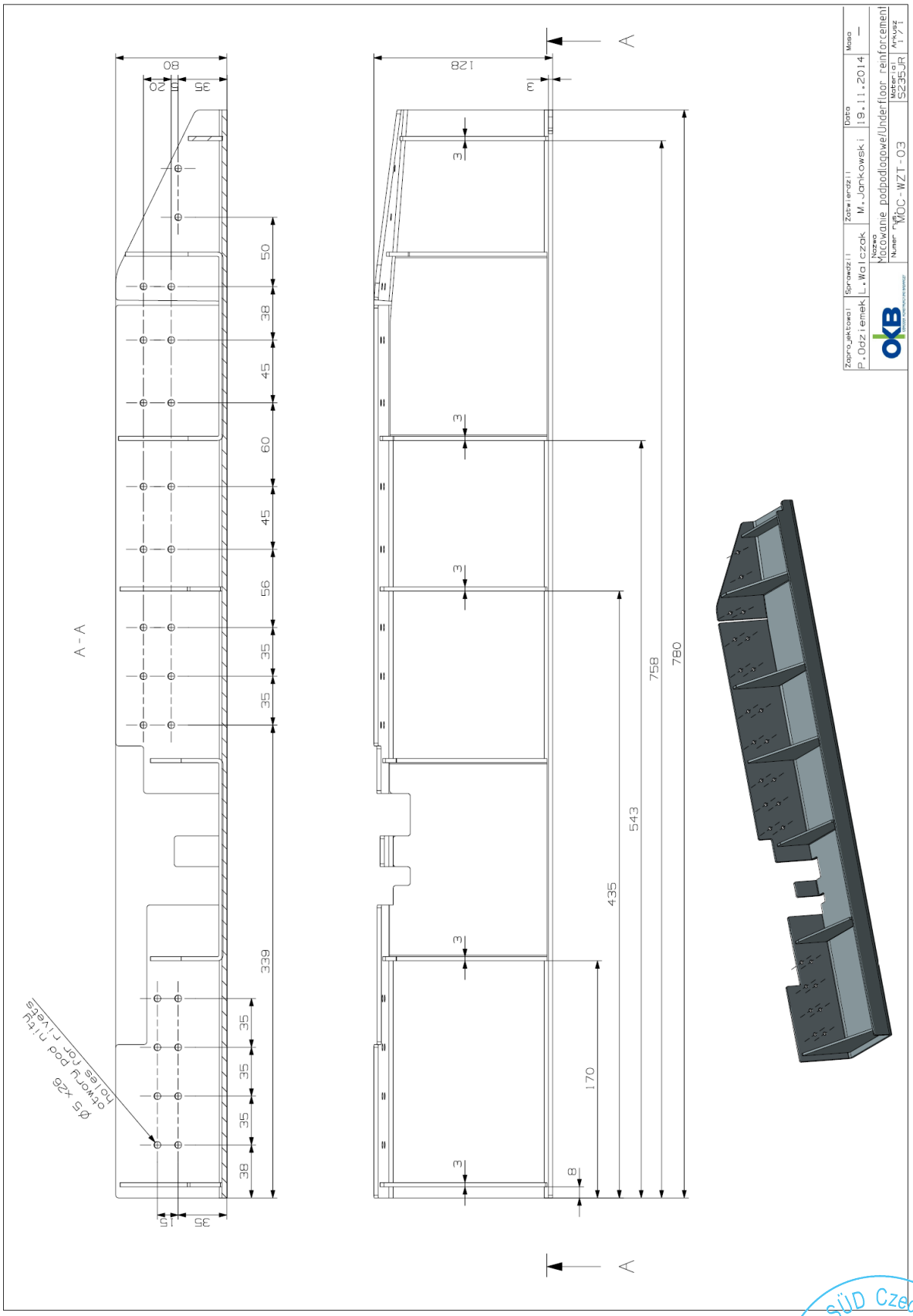




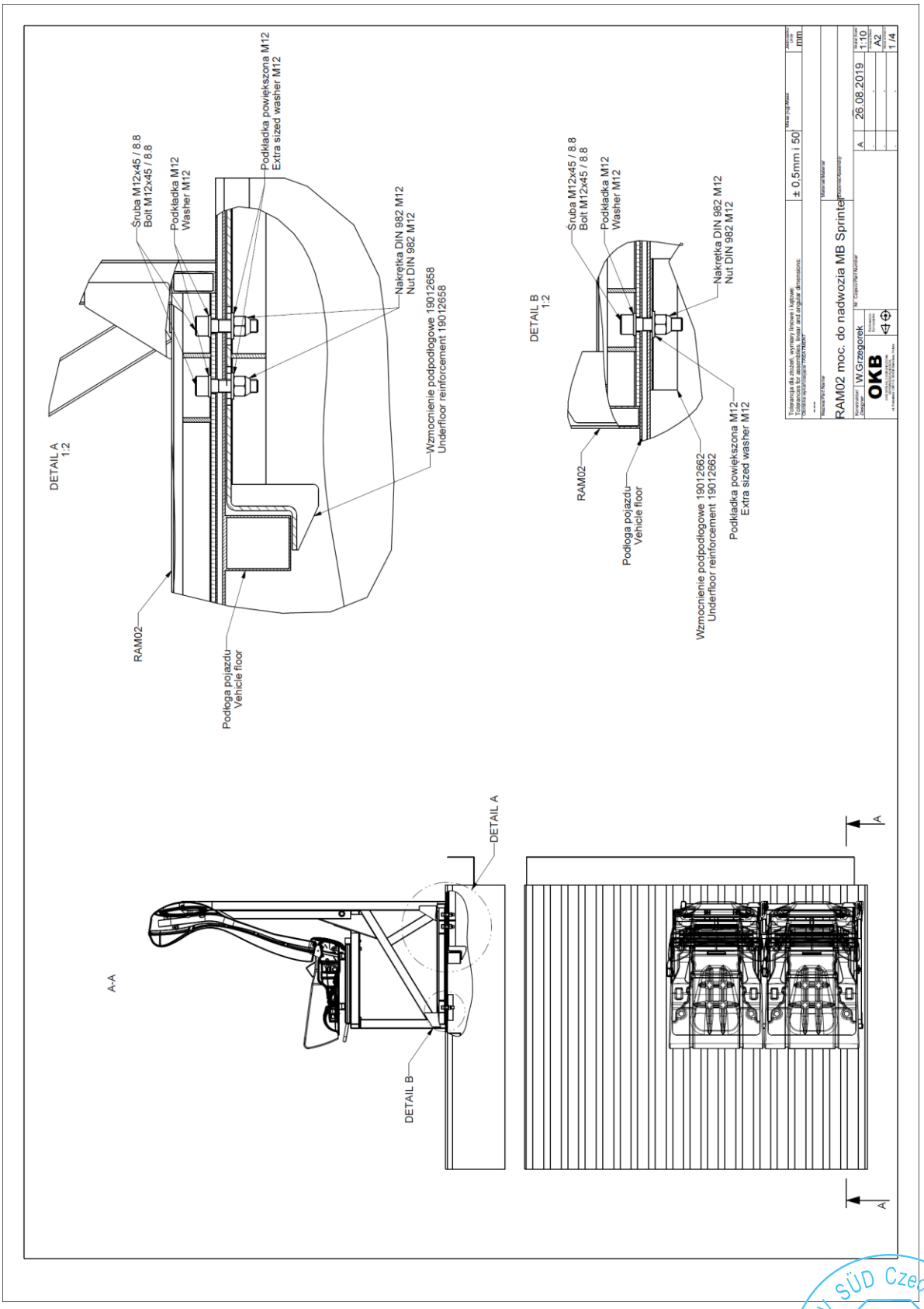


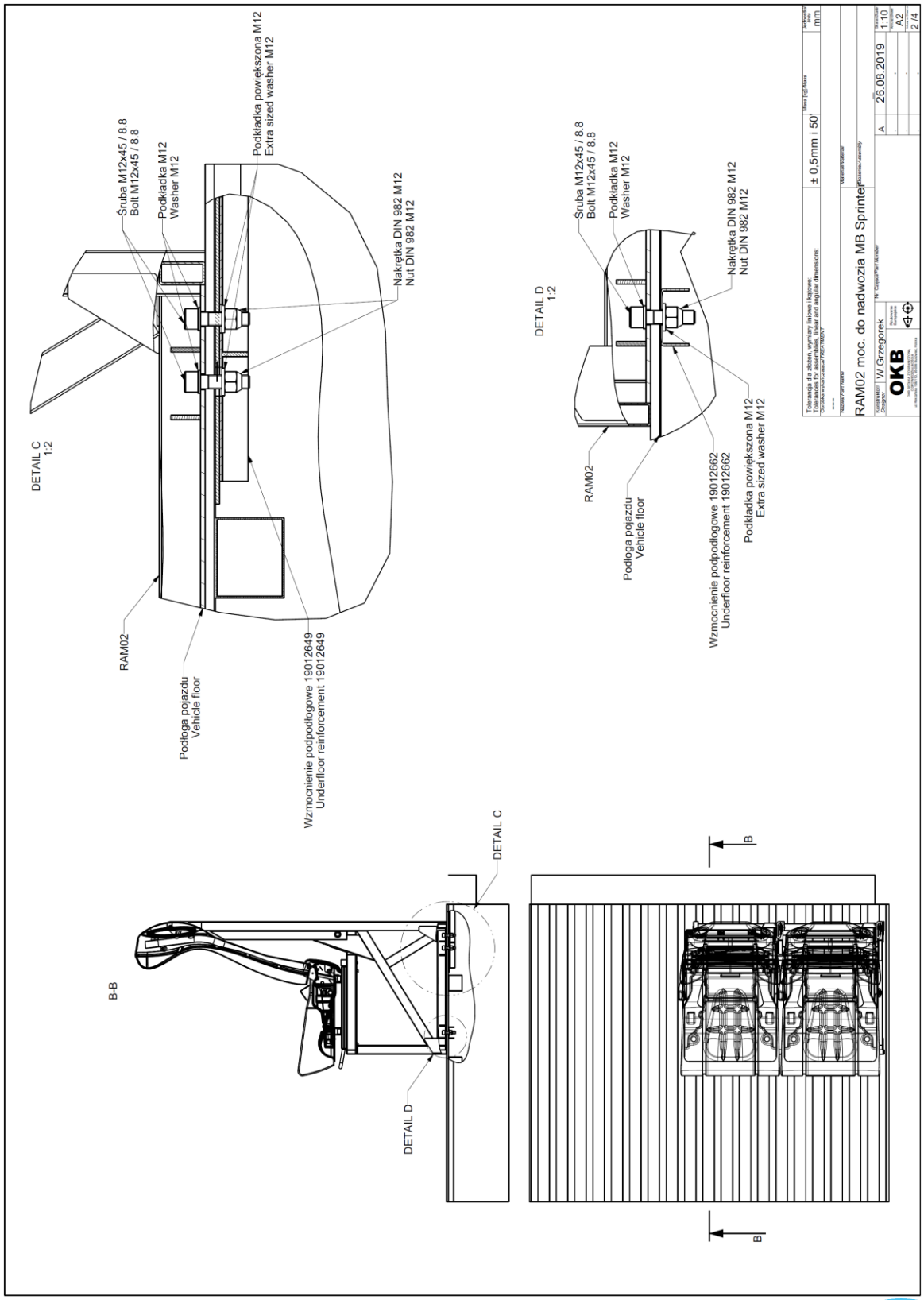

50
5
25
100
17
8
Ø6
otwor technologiczny
technological hole
Zaprojektował P.Odziemek
Sprawdził L.Walczak
Zatwierdził M.Jankowski
Data 19.11.2014
Masa -
Nazwa Mocowanie podpodłogowe/Underfloor reinforcement
Numer rys. MOC-WZT-01
Materiał S235JR
Arkusz 1/1

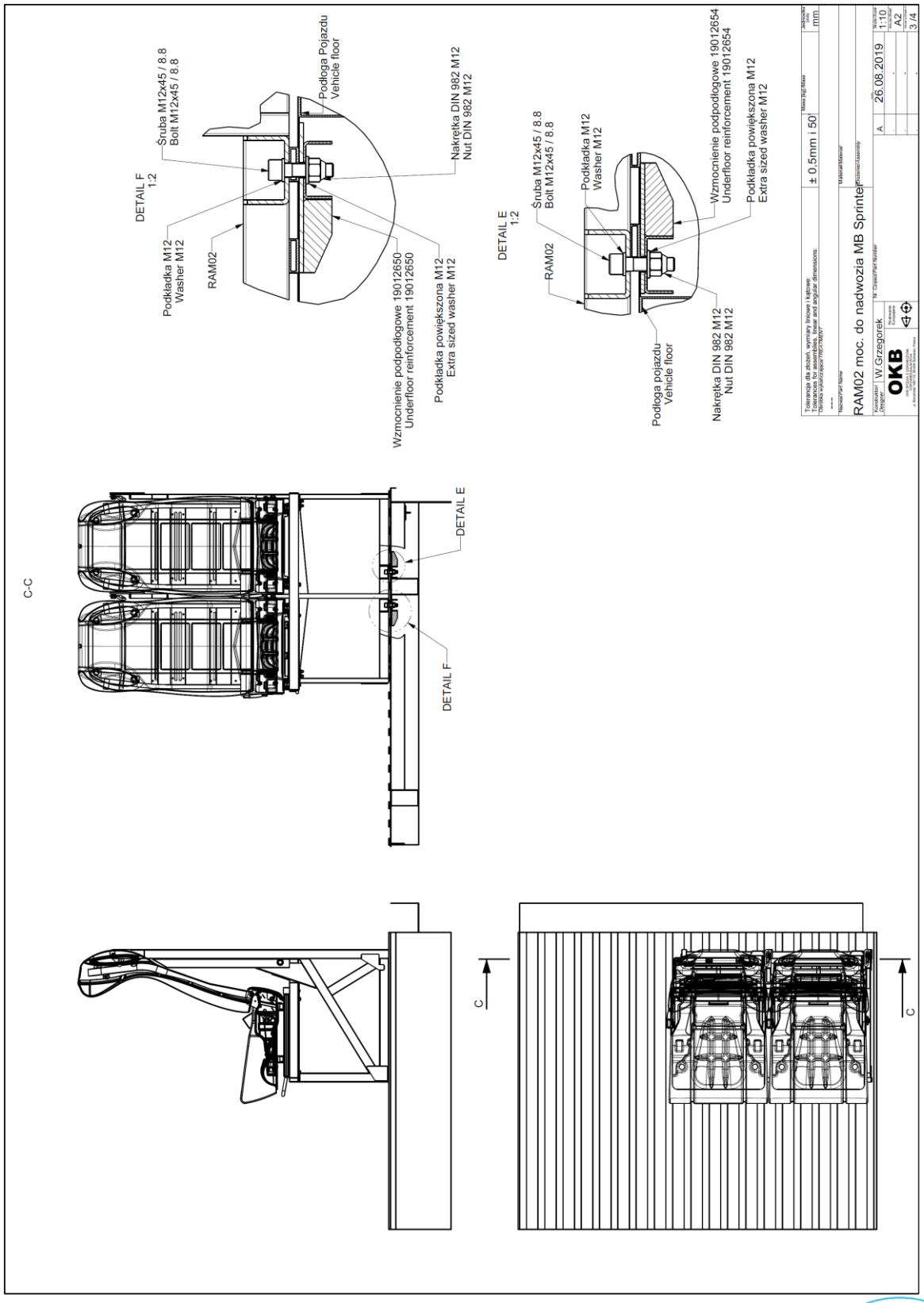


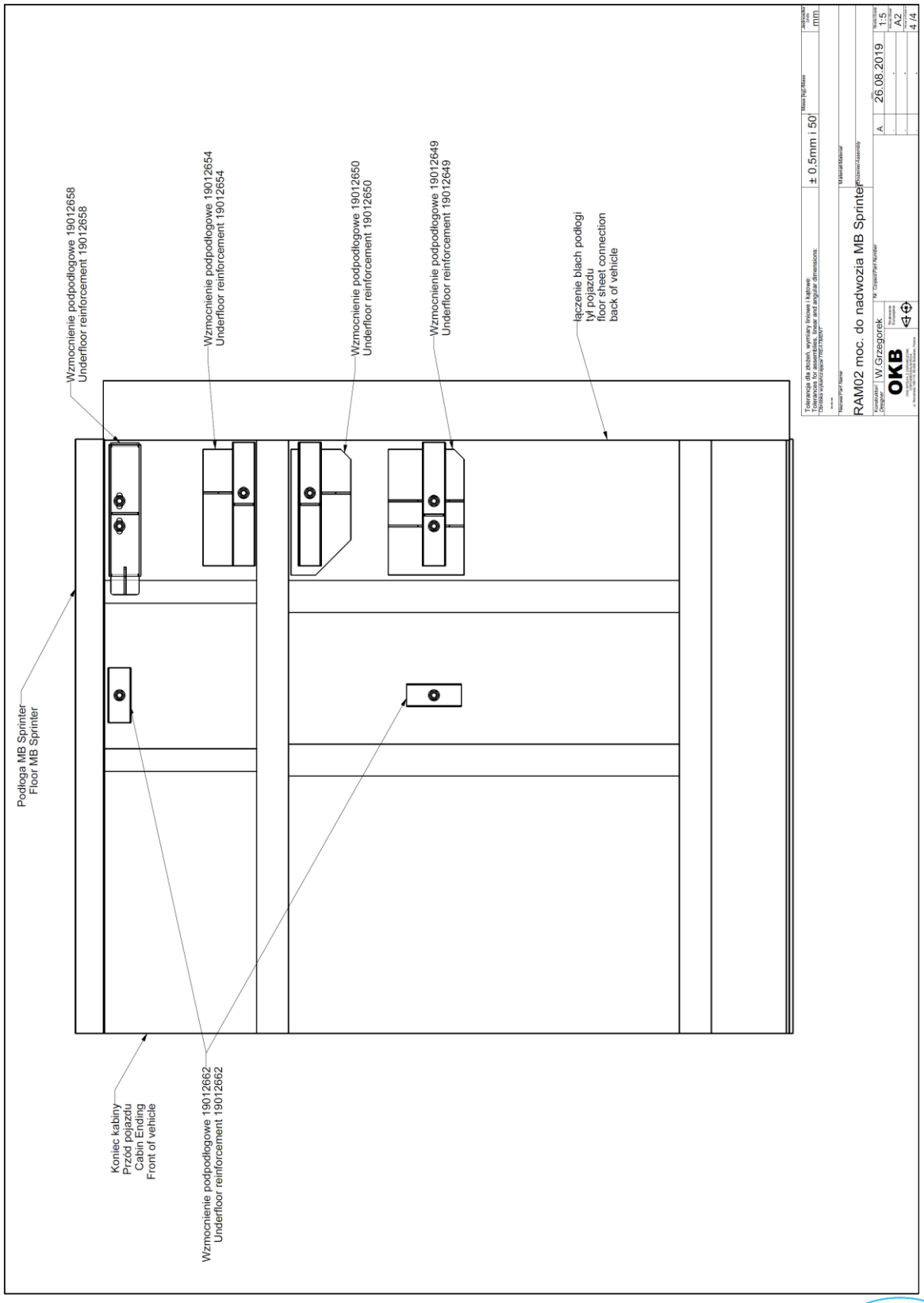


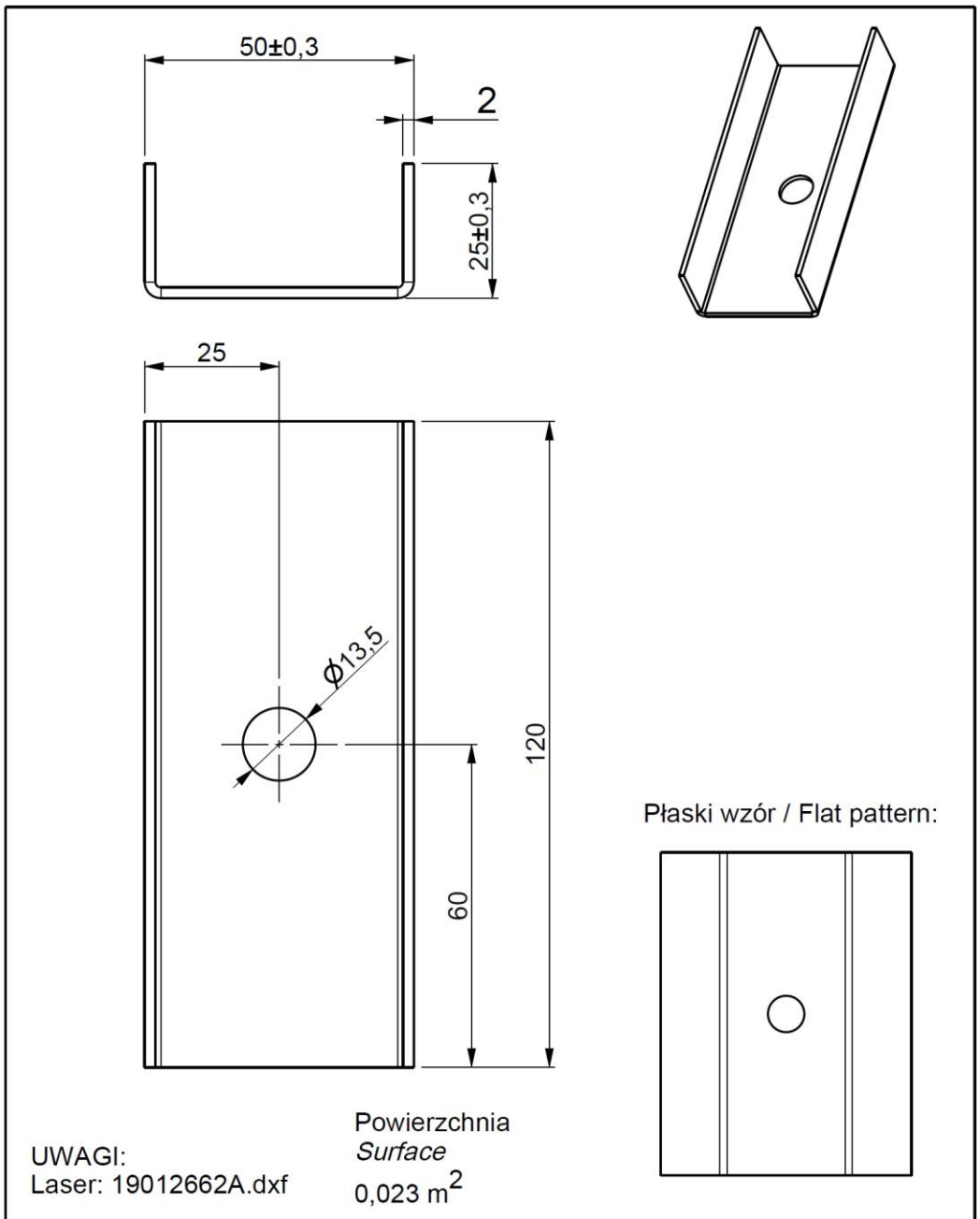
Solution 2 – fixation of RAM02 to Mercedes Sprinter/Volkswagen Crafter

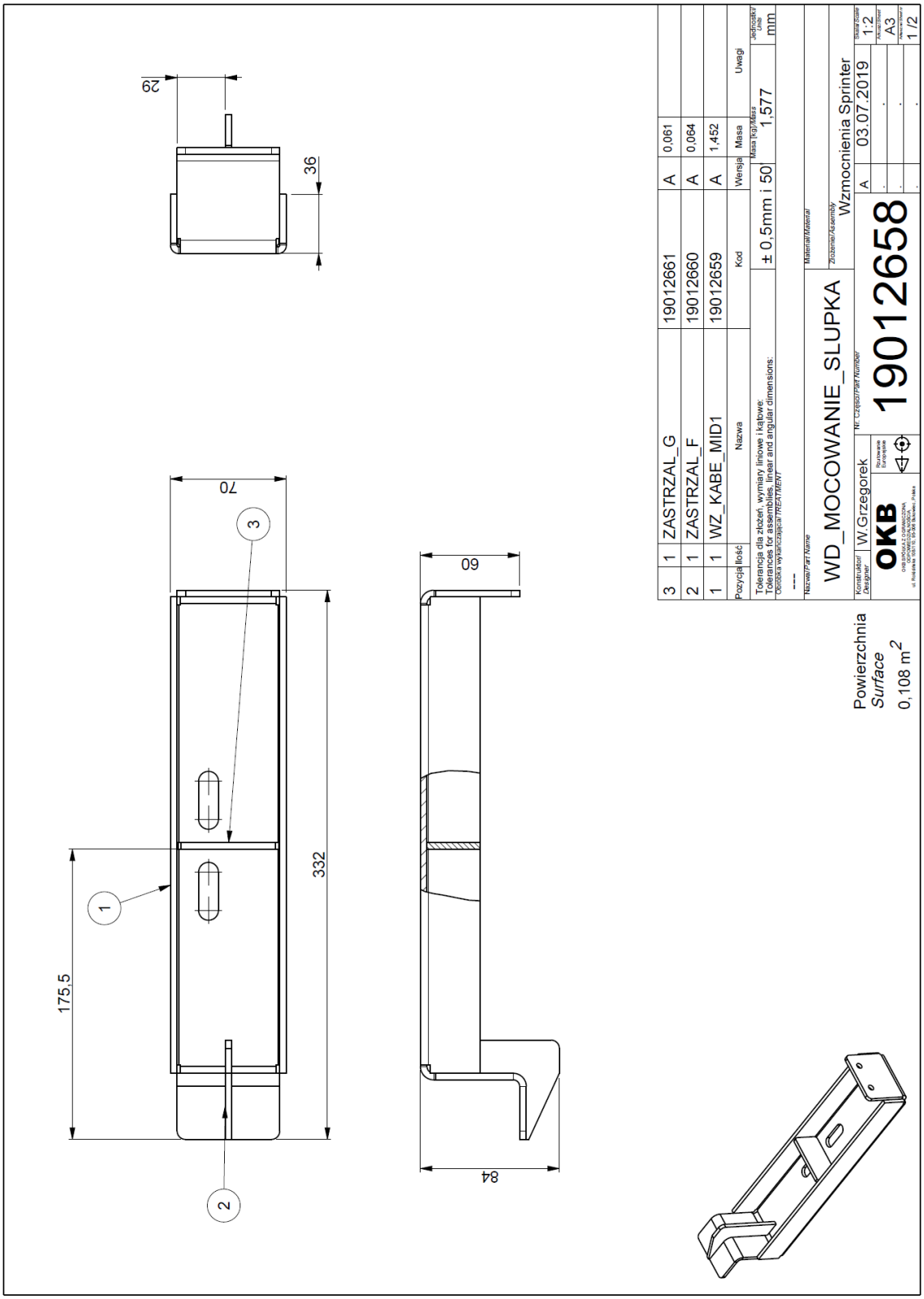











29
36
70
3
332
175,5
1
2
60
84
Powierzchnia
Surface
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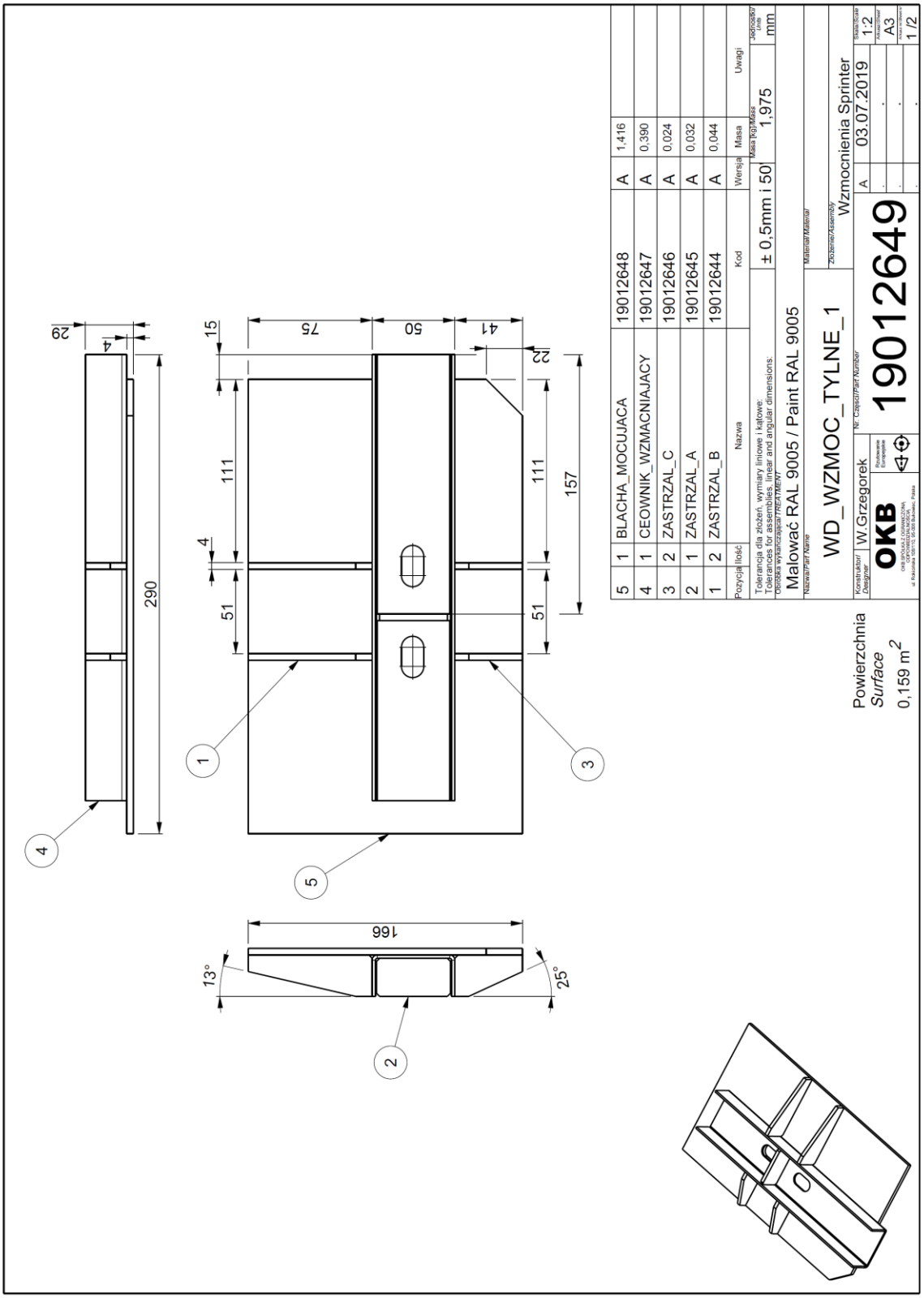
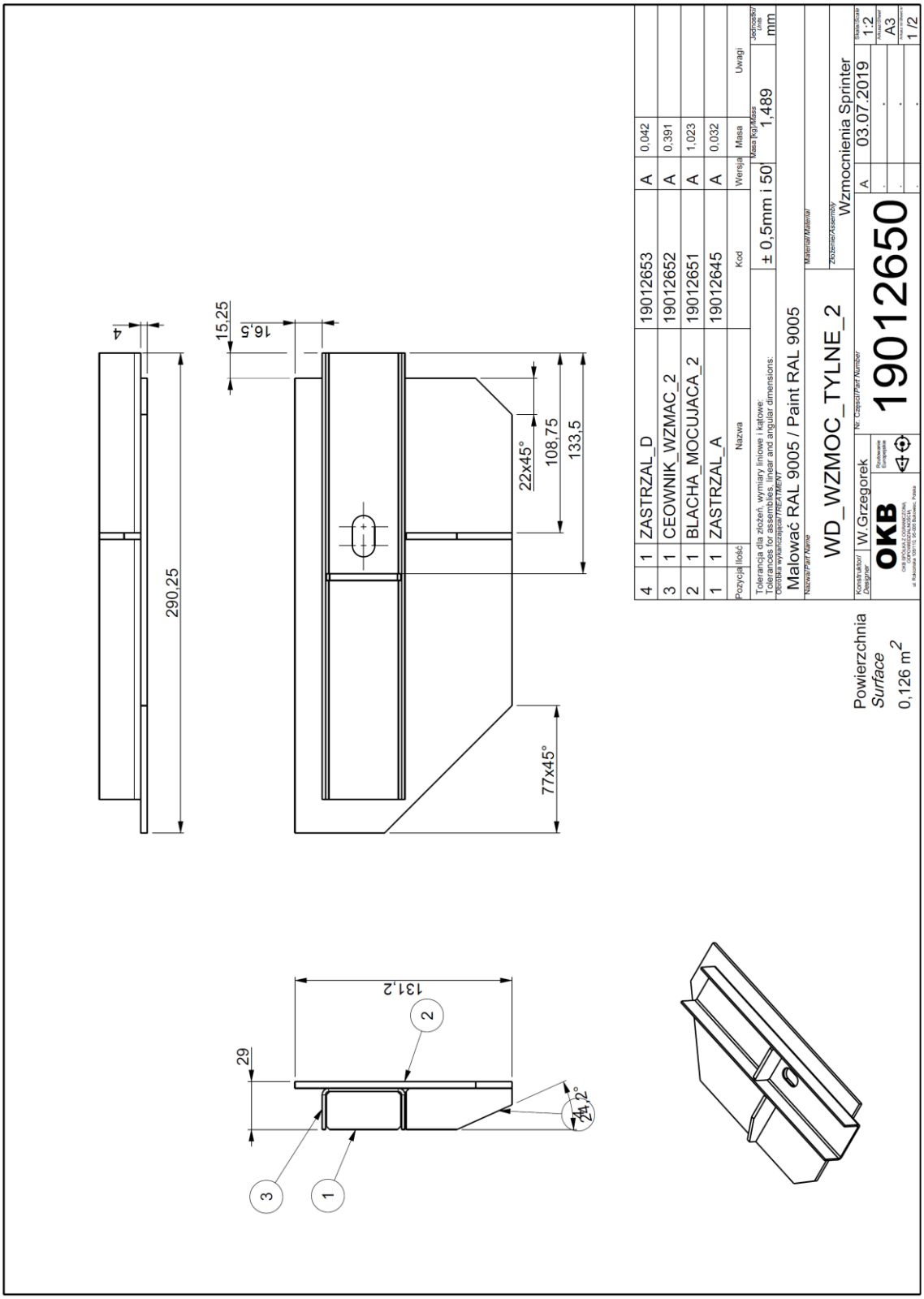
3 1 ZASTRZAL_G 19012661 A 0.061
2 1 ZASTRZAL_F 19012660 A 0.064
1 1 WZ_KABE_MID1 19012659 A 1.452
Pozycja Ilość Nazwa Kod Wersja Masa Uwagi
Tolerancja dla złożeń, wymiary liniowe i kątowe: ± 0,5mm i 50
Tolerances for assemblies, linear and angular dimensions:
Obróbka wykańczająca/TREATMENT
Masa brutto/Mass 1,577
Jednostki/Units mm
Nazwa/Part Name
WD_MOCOWANIE_SLUPKA
Materiał/Material
Złożenie/Assembly
Wzmocnienia Sprinter
Konstruktor/Designer W.Grzegorek
OKB
Nr. Części/Part Number
19012658
A 03.07.2019
Skala/Scale 1:2
Arkusz/Sheet
A3
Arkuszy/Sheet
1 /2





Pozycja	Ilość	Nazwa	Kod	Wersja	Masa	Uwagi
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3	1	CEOWNIK_WZMAC_2	19012652	A	0.391	
2	1	BLACHA_MOCUJACA_2	19012651	A	1.023	
1	1	ZASTRZAL_A	19012645	A	0.032	

Tolerancja dla złożeń, wymiary liniowe i kątowe: ± 0,5mm i 50
Tolerances for assemblies, linear and angular dimensions:
Obróbka wykańczająca/TREATMENT: Malować RAL 9005 / Paint RAL 9005
Nazwa/Part Name: WD_WZMOC_TYLNE_2
Materiał/Material:
Złożenie/Assembly: Wzmocnienia Sprinter
Masa [kg]/Mass: 1,489
Jednostki/Units: mm
Konstruktor/Designer: W.Grzegorek
OKB
Nr. Części/Part Number: 19012650
A
03.07.2019
Skala/Scale: 1:2
Arkusz/Sheet: A3
Arkusz/Sheet: 1 /2

Powierzchnia
Surface
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