TECHNICAL REPORT
No. 122015 – 22 – TAC

Test according to
ECE Regulation No. 17.09
Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints

Test method: ECE No. 17.00 – date of entry into force: 1970-12-01
including all amendments up to and including:
ECE No. 17.09, supplement 1 – date of entry into force: 2020-01-11

Objectives: Document for manufacturer

I. Technical data

0.1.1.	Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k. Rokicińska 110/112 95-006 Bukowiec Poland
0.1.2.	Manufacturer:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k. Rokicińska 110/112 95-006 Bukowiec Poland
0.1.3.	Address of assembly plant:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k. Rokicińska 110/112 95-006 Bukowiec Poland
0.2.	Product under test:	
0.2.1.	Make:	INTAP
0.2.2.	Type:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02
0.2.3.	Commercial name	Medis Rigid, Medis Bariatric, Medis HB, Medis DP, Kapitan Comfort
0.3.	Test required:	Strength test of seats and head restrains, energy absorption tests and dynamic test according ECE Regulation No. 17

0.4. Category of vehicle: M1, N1, M2, N2

II. Test report

1. Test conditions

1.1. Test sample:

1. Seat type S1MED02
2. Seat type S1MED04
3. Seat type S1MED05
4. Seat type S1MED06
5. Seat type S1KAP02

1.1.1. Technical data from the manufacturer:

Commercial name(s) (if available): Medis Rigid, Medis Bariatric, Medis HB, Medis DP, Kapitan Comfort

Dedicated for seat(s): S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

Legs and consoles which are used:

Legs:
N0AZM03: 1,6kg – 2,1kg
N0AZM06: 1,8kg – 2.3kg
N0AZM09: 3,6kg – 4,0kg
N0AZM34: 3,6kg – 4,0kg
N0AZM36: 1,6kg – 2,1kg
N0AZM40: 1,3kg – 2,0kg
N0BLS05: 0,6kg – 2,1kg
N0BLS09: 1,0kg – 2,5kg
N0BLS10: 2,3kg – 2,8kg
N0BLS11: 1,7kg – 2,4kg
N0BLS17: 1,9kg – 2,3kg
N0AZU10: 2,9kg – 3,2kg
MOBIFRAME V-Leg: 2,5 – 3,2 kg

Locking systems:
UNWIN SL/STD: 0,9kg
UNWIN HAL: 1,8kg
AMF-Bruns Lockable: 0,7kg
Qstraint QSF seat fixing: 0,7kg
MOBIFRAME W-fitting: 0,9kg
MOBIFRAME V-fitting: 2,4kg
TMI-17: 0,08kg
TMDS: 0,11kg
TMI: 0,05kg

Mounting bases:
N0AZM43: 7,4kg – 9,2kg
N0AZM45: 6,0kg – 8,2kg
N0AZM46: 6,5kg – 8,7kg
N0AZM38: 8kg – 9,6kg
P1SBE01: 10,2kg – 12,2kg
P1SBE02: 10,2kg – 12,2kg
P1SBE04: 13,5kg – 16kg

Optional components:
P1OBR12: 10,6 – 11kg
P1ADA18: 2x1kg
P1ADA19: 2,5kg
P1PSU20: 2.7 – 3.7 kg

1.2. Test procedures used: According to procedure of check of geometry, static strength and energy dissipation of seats and head restraints, par 5,6 and annexes 4,5 and 8 of ECE 17.09 and dynamic (sled) strength of seats

and their anchorages, par 5,6 and annexes 7 of ECE 17.09

1.3. Measuring and test equipment:

Head restraint performance:

- Test bench ZZ-352
- 3DH machine PM-935
- Line scale PM-749
- Measuring frame PM 2763
- Calliper PM-2000
- Load cells PM-2952/1-6
- Inclinometers PM-2953/1-3
- Wire potentiometers PM-2955/1-3
- Displacement encoders PM-2954/1-3

Energy absorption:

- test bench ZZ-568
- accelerometers PM-4726, PM-4727
- inclinometer PM-4730
- position sensor PM-4729

Dynamic test:

- Acceleration sled test device IST
- High speed cameras
- accelerometer

1.5. Test track or site: TÜV SÜD Czech s.r.o., Mladá Boleslav, Czech Republic

2. Test results

2.1. Static tests: Test No. 62053-21

2.1.1. H point measuring: See Table 1

Table 1: H-point coordinates

H-point position	Seating position	S1MED02	S1MED04	S1MED05
	coordinate X [mm]	-129,27	-211,79	-142,98
	coordinate Z [mm]	128,89	-91,88	133,33
	relatively to	seat belt buckle bolt	armrest tilt axis	seat belt buckle bolt
	torso angle [°]	14,2°	15,0°	15,0°

H-point position	Seating position	S1MED06	S1KAP02	-
	coordinate X [mm]	-134,39	-105,31	-
	coordinate Z [mm]	123,59	150,02	-
	relatively to	seat belt buckle bolt	seat belt buckle bolt	-
	torso angle [°]	13,5°	22,0°	-

2.1.2. Head restraint/seat back performance

Definition and requirement	Paragraph		Measured values
	Requirement	Test procedure	Rear seats
No side facing seats in vehicles of the class M1, N1	*5.1.*	*N/A*	No side facing seats installed.
Adjusting and displacement automatic locking systems	*5.2.1 – 5.2.2.*	*N/A*	Folding and swivel seat backs and seat cushions lock automatically in the position for use.
Energy absorption of the rear parts of the seats, the deceleration of the headform **≤ 80 g** continuously for more than 3 ms under the impact	*5.2.3*	*6.8.1.1, Annex 6*	Pass, see par. 5.5
Roughness or sharp edges of the rear seat parts - radii 2,5 mm in area 1 - radii 2,5 mm in area 2 - radii 3,2 mm in area 3	*5.2.4*	*6.8.1*	Pass
No seat ruptures after tests	*5.2.5*	*6.2 and 6.3*	No ruptures occured (see also 2.2)
No release of the locking systems during the test	*5.2.6.*	*6.3 and 2.1. of Annex 9*	No release occured (see 2.2)
Requirements for vehicles of category N, M_2 and M_3	5.3.		Due to the results of tests provided for vehicles M1 category requirements for N and M2 category are deemed to be satisfied.
Installation of the head restraints (min. front outboard seats)	5.4.	N/A	Seat is equipped with head restraint

			S1MED02
No additional cause of danger to occupants of the vehicle by the head restraint; energy absorption - the deceleration of the headform **≤ 80 g** continuously for more than 3 ms under the impact*	*5.5.*	*6.8.1.1.3, Annex 6*	Front head restraint surface: a_{max}=21,26 g v=24,13 km/h Rear head restraint surface: a_{max}=65,67 g v=24,10 km/h
Highest distance of the head restraint top from R point: **H ≥ 750 mm** for **rear** seats	*5.6.3.1*	*6.5*	832/ 811 mm
Min. height in any position for use **H ≥ 750 mm** for **rear outboard** seat **H ≥ 700 mm** for **rear middle** seats	*5.6.3.2 (5.6.5.)*	*6.5*	N/A
Height of the head restraint effective area **h ≥ 100 mm**	*5.7.1*	*6.5*	> 100 mm
Gap between head restraint and seat-back **m ≤ 25 mm**	*5.8*	*6.7*	15 mm
Integral head restraints	*5.9*	*6.7, 6.4.3.3.2*	Pass
Head restraints with gaps	*5.10*	*6.7*	N/A (no gaps)
Width of head restraint 65 mm below its top **L ≥ 170 mm**	*5.11*	*6.6*	240 mm
Head rearward displacement **X < 102 mm** when loaded to moment 373 Nm around R point	*5.12*	*6.4*	51,2 mm
Loading force for head restraint **F ≥ 890 N**	*5.13*	*6.4.3.6.*	895,2 N without rupture
Raise the head restraint beyond the operational height	*5.14*	*N/A*	Not possible
Strength of the seat back under the load of 530 Nm per seating position	*5.2.7, 5.15*	*6.2*	Passed without ruptures
Luggage displacement retention requirements	*5.16*	*Annex 9*	N/A

			S1MED04
No additional cause of danger to occupants of the vehicle by the head restraint; energy absorption - the deceleration of the headform ≤ 80 g continuously for more than 3 ms under the impact*	*5.5.*	*6.8.1.1.3, Annex 6*	Front head restraint surface: a_{max}=20,40 g v=24,29 km/h Rear head restraint surface: a_{max}=27,61 g v=24,12 km/h
Highest distance of the head restraint top from R point: H ≥ 750 mm for rear seats	*5.6.3.1*	*6.5*	860/ 831 mm
Min. height in any position for use H ≥ 750 mm for rear outboard seat H ≥ 700 mm for rear middle seats	*5.6.3.2 (5.6.5.)*	*6.5*	N/A
Height of the head restraint effective area h ≥ 100 mm	*5.7.1*	*6.5*	> 100 mm
Gap between head restraint and seat-back m ≤ 25 mm	*5.8*	*6.7*	0 mm
Integral head restraints	*5.9*	*6.7, 6.4.3.3.2*	Pass
Head restraints with gaps	*5.10*	*6.7*	N/A (no gaps)
Width of head restraint 65 mm below its top L ≥ 170 mm	*5.11*	*6.6*	310 mm
Head rearward displacement X < 102 mm when loaded to moment 373 Nm around R point	*5.12*	*6.4*	49,5 mm
Loading force for head restraint F ≥ 890 N	*5.13*	*6.4.3.6.*	894,9 N without rupture
Raise the head restraint beyond the operational height	*5.14*	*N/A*	Not possible
Strength of the seat back under the load of 530 Nm per seating position	*5.2.7, 5.15*	*6.2*	Passed without ruptures
Luggage displacement retention requirements	*5.16*	*Annex 9*	N/A

			S1MED05
No additional cause of danger to occupants of the vehicle by the head restraint; energy absorption - the deceleration of the headform ≤ 80 g continuously for more than 3 ms under the impact*	*5.5.*	*6.8.1.1.3, Annex 6*	Front head restraint surface: amax=20,22 g v=24,14 km/h Rear head restraint surface: a_{max}=34,41 g v=24,11 km/h
Highest distance of the head restraint top from R point: H ≥ 750 mm for rear seats	*5.6.3.1*	*6.5*	840/ 819 mm
Min. height in any position for use H ≥ 750 mm for rear outboard seat H ≥ 700 mm for rear middle seats	*5.6.3.2 (5.6.5.)*	*6.5*	N/A
Height of the head restraint effective area h ≥ 100 mm	*5.7.1*	*6.5*	> 100 mm
Gap between head restraint and seat-back m ≤ 25 mm	*5.8*	*6.7*	12 mm
Integral head restraints	*5.9*	*6.7, 6.4.3.3.2*	Pass
Head restraints with gaps	*5.10*	*6.7*	N/A (no gaps)
Width of head restraint 65 mm below its top L ≥ 170 mm	*5.11*	*6.6*	240 mm
Head rearward displacement X < 102 mm when loaded to moment 373 Nm around R point	*5.12*	*6.4*	57,0 mm
Loading force for head restraint F ≥ 890 N	*5.13*	*6.4.3.6.*	895,3 N without rupture
Raise the head restraint beyond the operational height	*5.14*	*N/A*	Not possible
Strength of the seat back under the load of 530 Nm per seating position	*5.2.7, 5.15*	*6.2*	Passed without ruptures
Luggage displacement retention requirements	*5.16*	*Annex 9*	N/A

			S1MED06
No additional cause of danger to occupants of the vehicle by the head restraint; energy absorption - the deceleration of the headform ≤ 80 g continuously for more than 3 ms under the impact*	*5.5.*	*6.8.1.1.3, Annex 6*	Front head restraint surface: amax=27,55 g v=24,24 km/h Rear head restraint surface: a_{max}=29,98 g v=24,39 km/h
Highest distance of the head restraint top from R point: H ≥ 750 mm for rear seats	*5.6.3.1*	*6.5*	787 mm
Min. height in any position for use H ≥ 750 mm for rear outboard seat H ≥ 700 mm for rear middle seats	*5.6.3.2 (5.6.5.)*	*6.5*	N/A
Height of the head restraint effective area h ≥ 100 mm	*5.7.1*	*6.5*	> 100 mm
Gap between head restraint and seat-back m ≤ 25 mm	*5.8*	*6.7*	24 mm
Integral head restraints	*5.9*	*6.7, 6.4.3.3.2*	Pass
Head restraints with gaps	*5.10*	*6.7*	N/A (no gaps)
Width of head restraint 65 mm below its top L ≥ 170 mm	*5.11*	*6.6*	232 mm
Head rearward displacement X < 102 mm when loaded to moment 373 Nm around R point	*5.12*	*6.4*	60,0 mm
Loading force for head restraint F ≥ 890 N	*5.13*	*6.4.3.6.*	895,2 N without rupture
Raise the head restraint beyond the operational height	*5.14*	*N/A*	Not possible
Strength of the seat back under the load of 530 Nm per seating position	*5.2.7, 5.15*	*6.2*	Passed without ruptures
Luggage displacement retention requirements	*5.16*	*Annex 9*	N/A

			S1KAP02
No additional cause of danger to occupants of the vehicle by the head restraint; energy absorption - the deceleration of the headform ≤ 80 g continuously for more than 3 ms under the impact*	*5.5.*	*6.8.1.1.3, Annex 6*	Front head restraint surface: amax=23,41 g v=24,34 km/h Rear head restraint surface: a_{max}=67,55 g v=24,34 km/h
Highest distance of the head restraint top from R point: H ≥ 750 mm for rear seats	*5.6.3.1*	*6.5*	787 mm
Min. height in any position for use H ≥ 750 mm for rear outboard seat H ≥ 700 mm for rear middle seats	*5.6.3.2 (5.6.5.)*	*6.5*	N/A
Height of the head restraint effective area h ≥ 100 mm	*5.7.1*	*6.5*	> 100 mm
Gap between head restraint and seat-back m ≤ 25 mm	*5.8*	*6.7*	0 mm
Integral head restraints	*5.9*	*6.7, 6.4.3.3.2*	Pass
Head restraints with gaps	*5.10*	*6.7*	N/A (no gaps)
Width of head restraint 65 mm below its top L ≥ 170 mm	*5.11*	*6.6*	312 mm
Head rearward displacement X < 102 mm when loaded to moment 373 Nm around R point	*5.12*	*6.4*	27,8 mm
Loading force for head restraint F ≥ 890 N	*5.13*	*6.4.3.6.*	895,1 N without rupture
Raise the head restraint beyond the operational height	*5.14*	*N/A*	Not possible
Strength of the seat back under the load of 530 Nm per seating position	*5.2.7, 5.15*	*6.2*	Passed without ruptures
Luggage displacement retention requirements	*5.16*	*Annex 9*	N/A

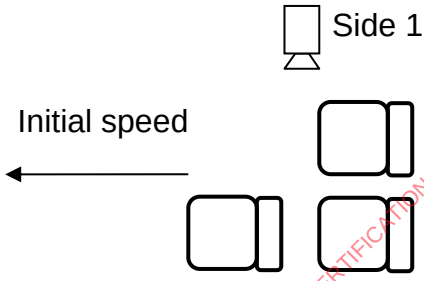
2.2. Details of the test according to 6.3 (dynamic test)

Below mentioned combinations of seats and legs cover all possible combinations of seat mounting in to vehicle and mentioned in manufacturer's information folder.

2.2.1. Frontal impact

Requirement acc. to 5.2.5., 5.2.6.

- Seat type S1MED02
- Seat type S1MED04
- Seat type S1MED05
- Seat type S1MED06
- Seat type S1KAP02



	S1MED02	S1MED04	S1MED05
Torso angle	14,2°	15,0°	15,0°
Longitudinal adjustment	N/A	N/A	N/A
Vertical adj.	N/A	N/A	N/A
Head restraint	Fix	Fix	Fix

	S1MED06	S1KAP02	-
Torso angle	13,5°	25,0°	-
Longitudinal adjustment	N/A	N/A	-
Vertical adj.	N/A	N/A	-
Head restraint	Fix	Fix	-

2.2.1.1. Test speed and achieved deceleration

	Requirement	Measured
Impact speed v_0	50^{+0}_{-2} km/h	50,03 km/h
Deceleration	20g for 30ms	Achieved

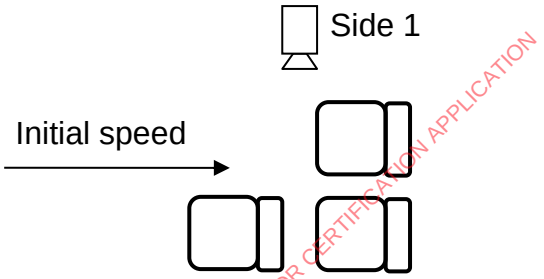
2.2.1.2. Results

Paragraph of the regulation ECE 17.09 marked in *italics*

5.2.5	There was no failure of the seat frame or seat anchorage, adjustment and displacement systems or their locking devices during the test.
5.2.6.	There was no release of the locking systems during the tests.

2.2.2. Rear impact

Requirement acc. to 5.2.5, 5.2.6. tests according to paragraph 6.3



	S1MED02	S1MED04	S1MED05
Torso angle	14,2°	15,0°	15,0°
Longitudinal adjustment	N/A	N/A	N/A
Vertical adj.	N/A	N/A	N/A
Head restraint	Fix	Fix	Fix

	S1MED06	S1KAP02	-
Torso angle	13,5°	22,0°	-
Longitudinal adjustment	N/A	N/A	-
Vertical adj.	N/A	N/A	-
Head restraint	Fix	Fix	-

2.2.2.1. Test speed and achieved deceleration

	Requirement	Measured
Impact speed v_0	50^{+0}_{-2} km/h	50,39 km/h
Deceleration	20g for 30ms	Achieved

2.2.2.2. Results

Paragraph of the regulation ECE 17.09 marked in *italics*

5.2.5	There was no failure of the seat frame or seat anchorage, adjustment and displacement systems or their locking devices during the test.
5.2.6.	There was no release of the locking systems during the tests.

3. Specimen submitted to test on: 2021-02-25 and 2021-03-16

4. Date of test: 2021-03-05 and 2021-03-24 to 2021-03-29

III. Other documentation

Photos: page 14 - 32
Drawings: page 33 - 173
Graphs: page 174 - 186

IV. Attachments

No attachments

Measuring and test equipment and test site meet the requirements of the applicable legislation. This report shall never be reproduced incomplete and without a written permission of the testing laboratory (except for use in the type-approval or approval documentation).

VI. Final assessment

The described sample in tested items **complies**
with the requirements of ECE Regulation No. 17.09
for issue of document for manufacturer

This technical report consists of pages No. 1 to 13.

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Prague, 2022-10-07

TÜV SÜD Czech s.r.o.

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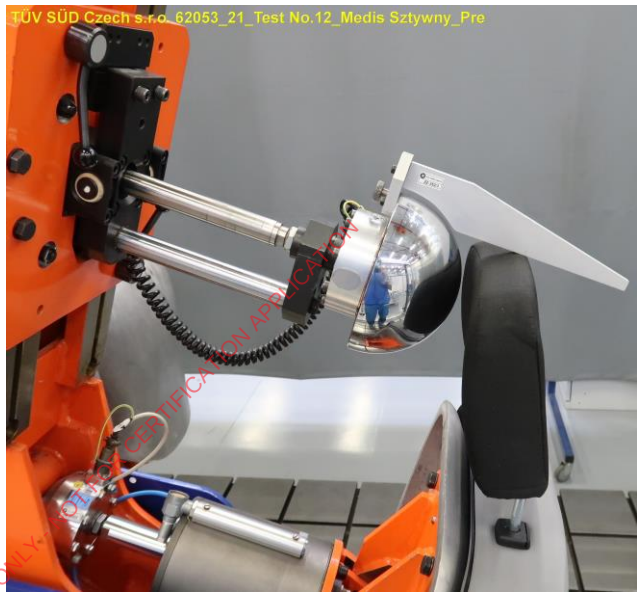
Czech

Photos:

Static tests

Seat type S1MED02

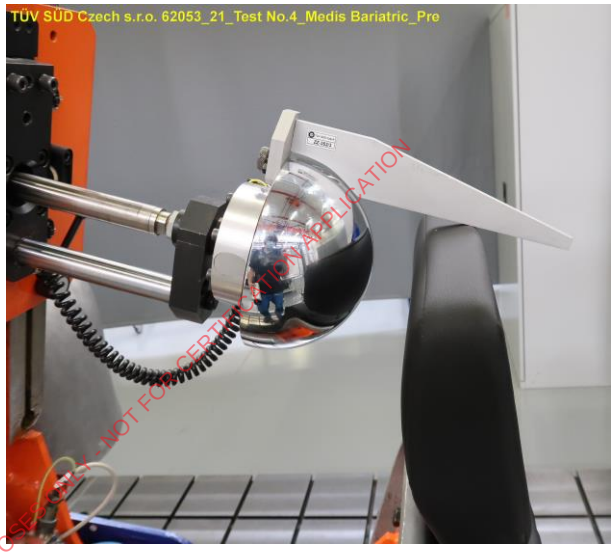
Before and during test



After test

Seat type S1MED04

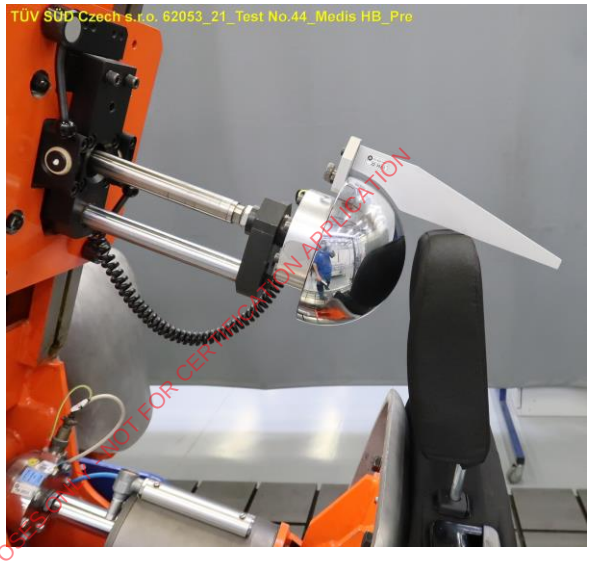
Before and during test



After test

Seat type S1MED05

Before and during test



After test

Seat type S1MED06

Before and during test

After test

Seat type S1KAP02

Before and during test

After test

Energy dissipation tests

Front head restraint surface – Seat type S1MED02

Before test

After test

Front head restraint surface – Seat type S1MED04

Before test

After test

Front head restraint surface – Seat type S1MED05

Before test

After test

Front head restraint surface – Seat type S1MED06

Before test

After test

Front head restraint surface – Seat type S1KAP02

Before test

After test

Rear head restraint surface – Seat type S1MED02

Before test

After test

Rear head restraint system – Seat type S1MED04

Before test

After test

Rear head restraint system – Seat type S1MED05

Before test

After test

Rear head restraint system – Seat type S1MED06

Before test

After test

Rear head restraint system – Seat type S1KAP02

Before test

After test

Dynamic test

Forward direction Test

Before test

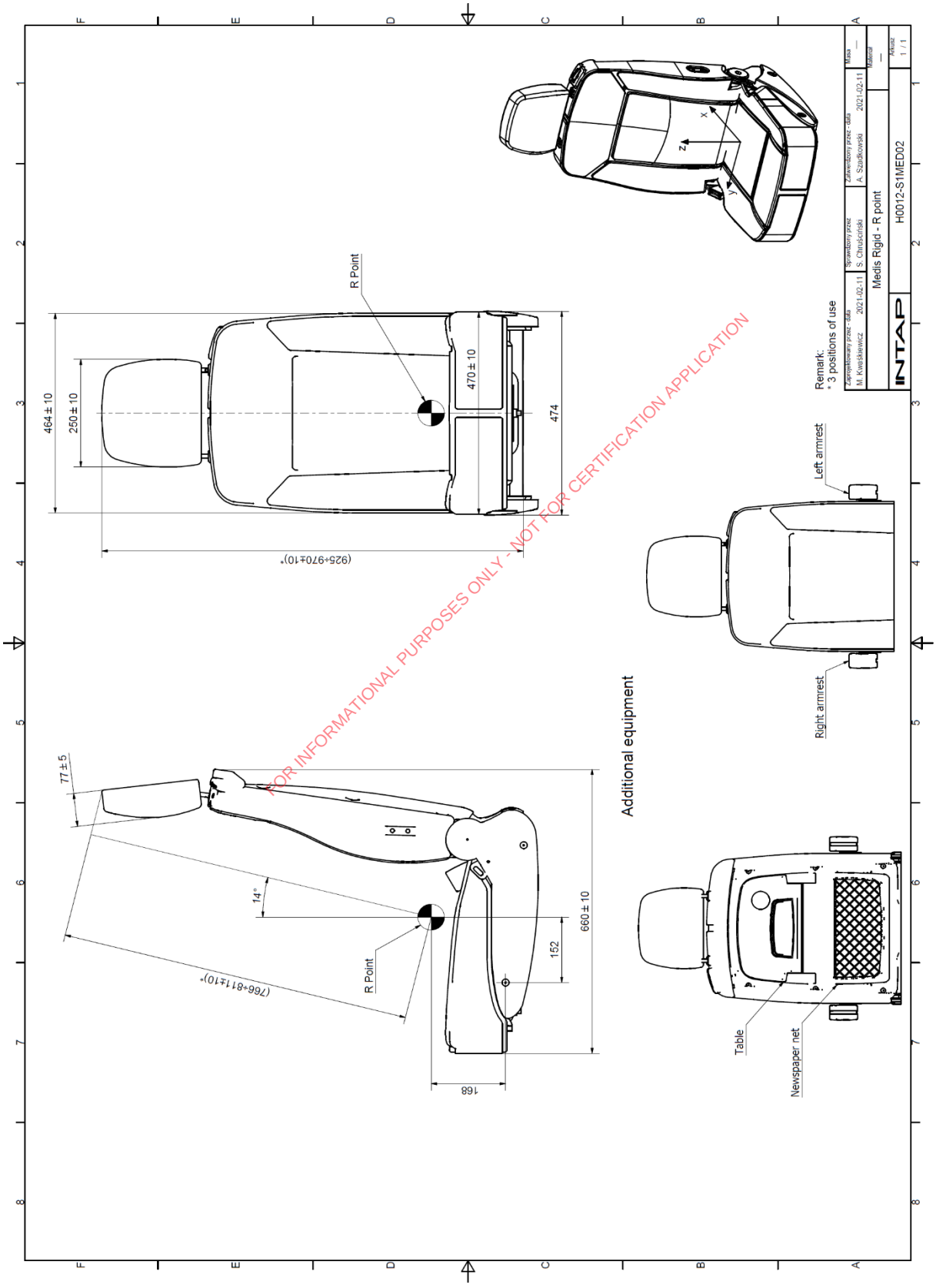
After test

Rearward direction Test
Before test

After test

Drawings: Seat S1MED02

Medis Rigid
S1MED02


R Point
464 ± 10
250 ± 10
470 ± 10
474
(925÷970±10)*
Remark:
* 3 positions of use
Medis Rigid - R point
H0012-S1MED02
INTAP
Left armrest
Right armrest
Additional equipment
77 ± 5
14°
R Point
(766÷811±10)*
660 ± 10
152
168
Table
Newspaper net
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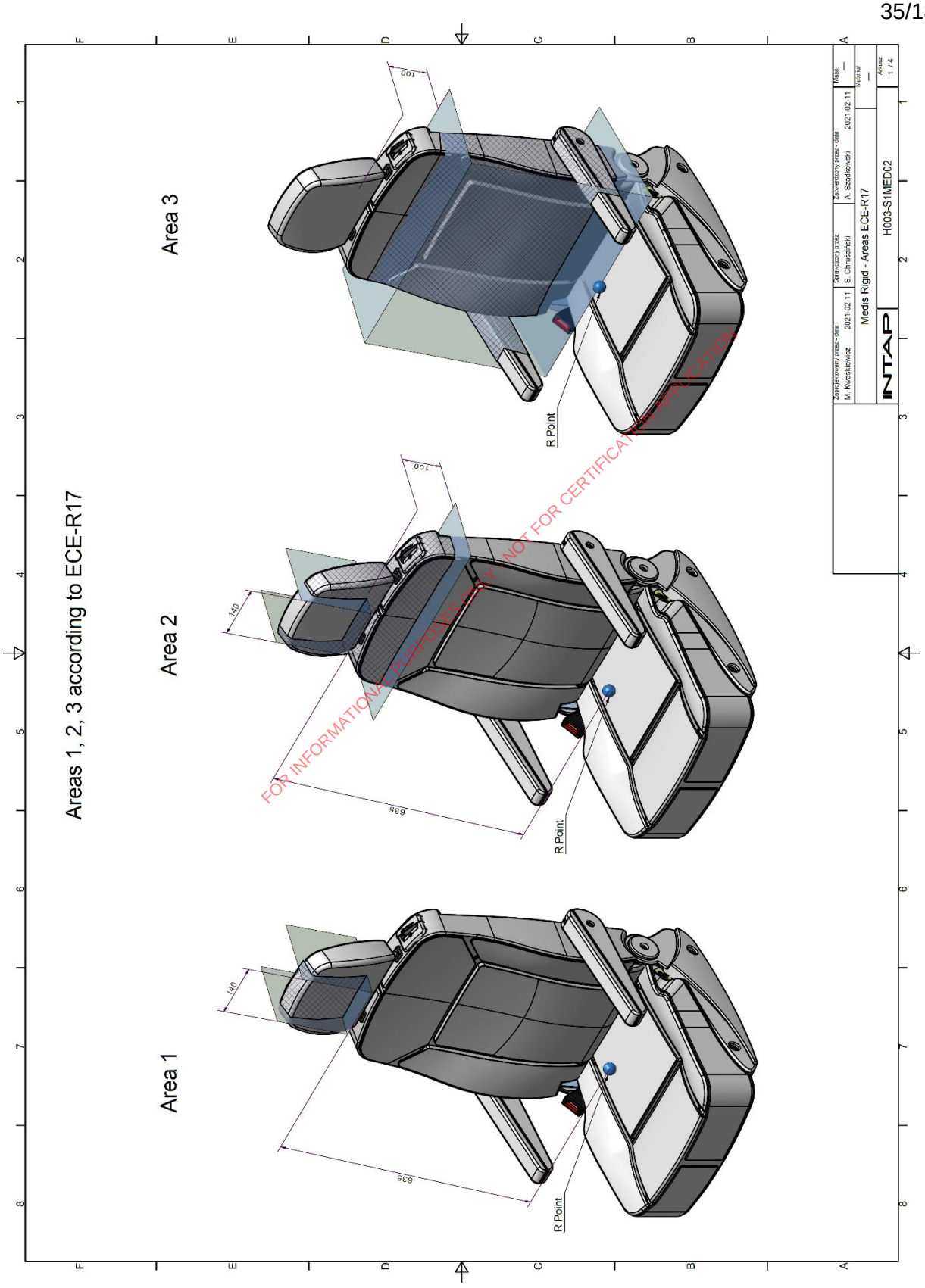
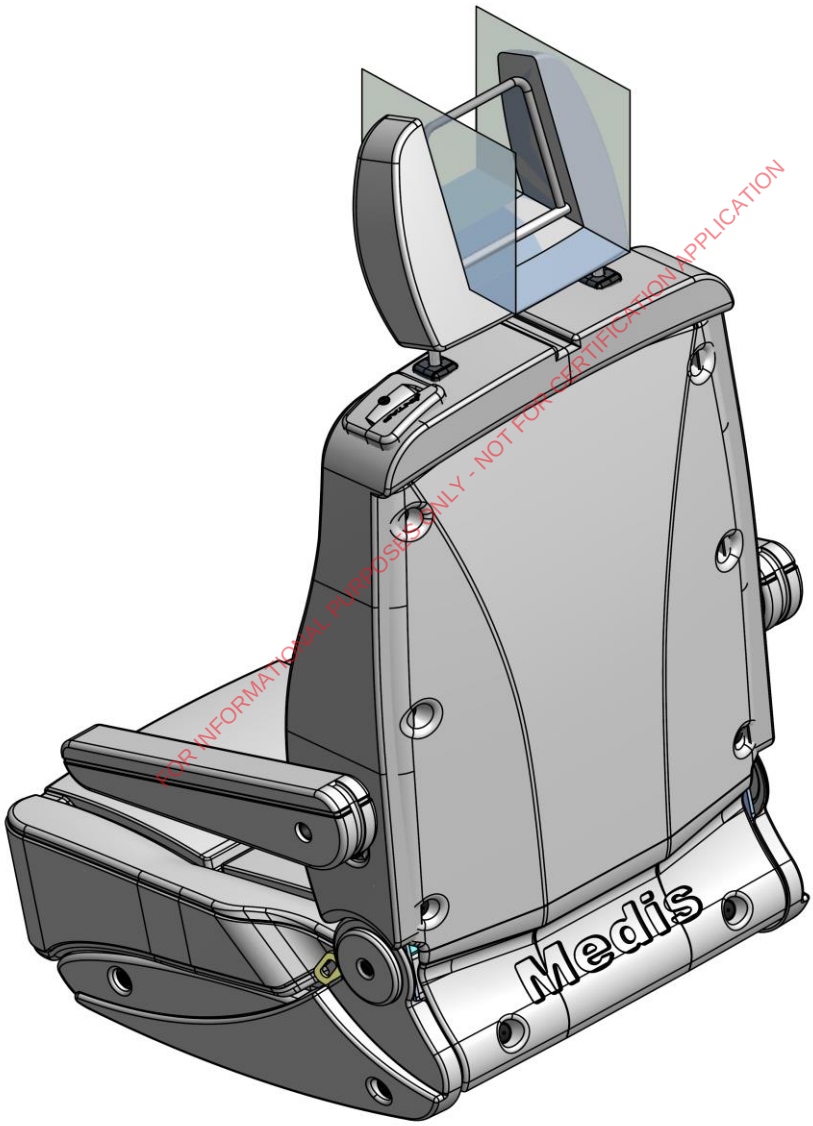


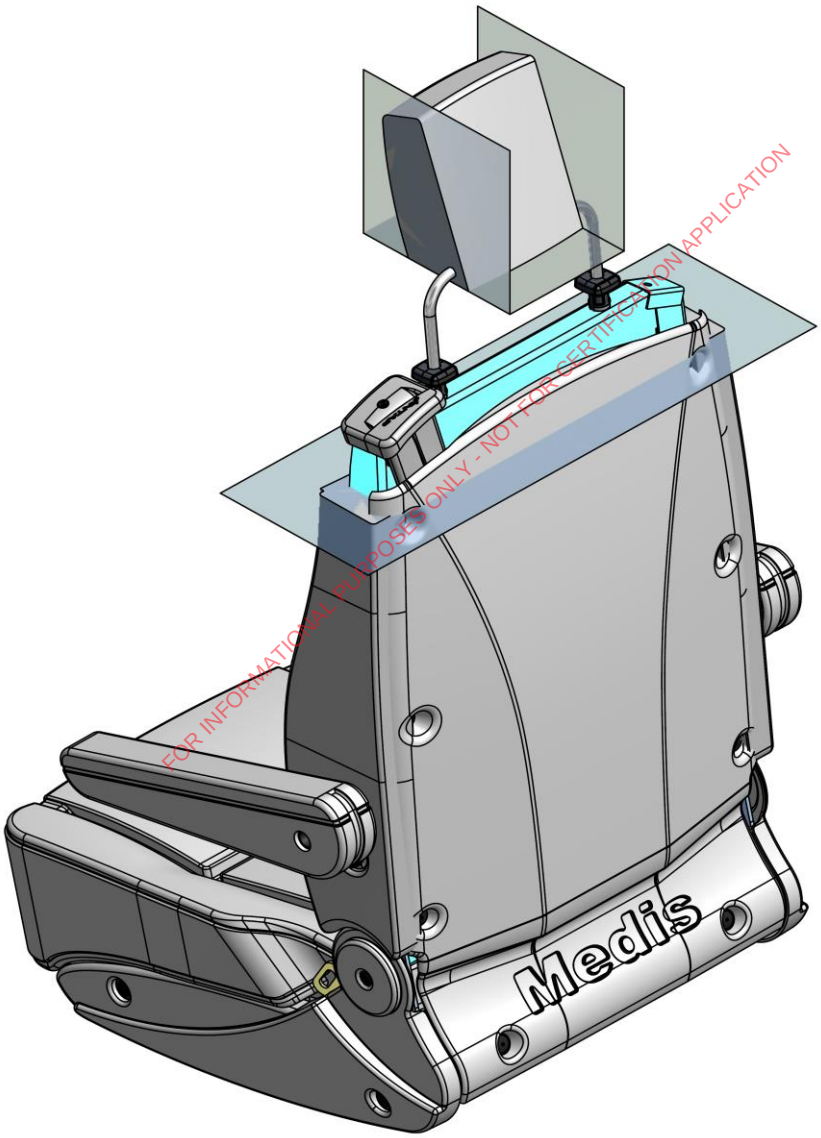
Area 1



Rear surfaces of the seat in Area 1, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 2,5 mm.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis Rigid - Areas ECE-R17			Materiał —
INTAP	H003-S1MED02		Arkusz 2 / 4

Area 2



Rear surfaces of the seat in Area 2, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 5 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis Rigid - Areas ECE-R17			Materiał —
INTAP	H003-S1MED02		Arkusz 3 / 4

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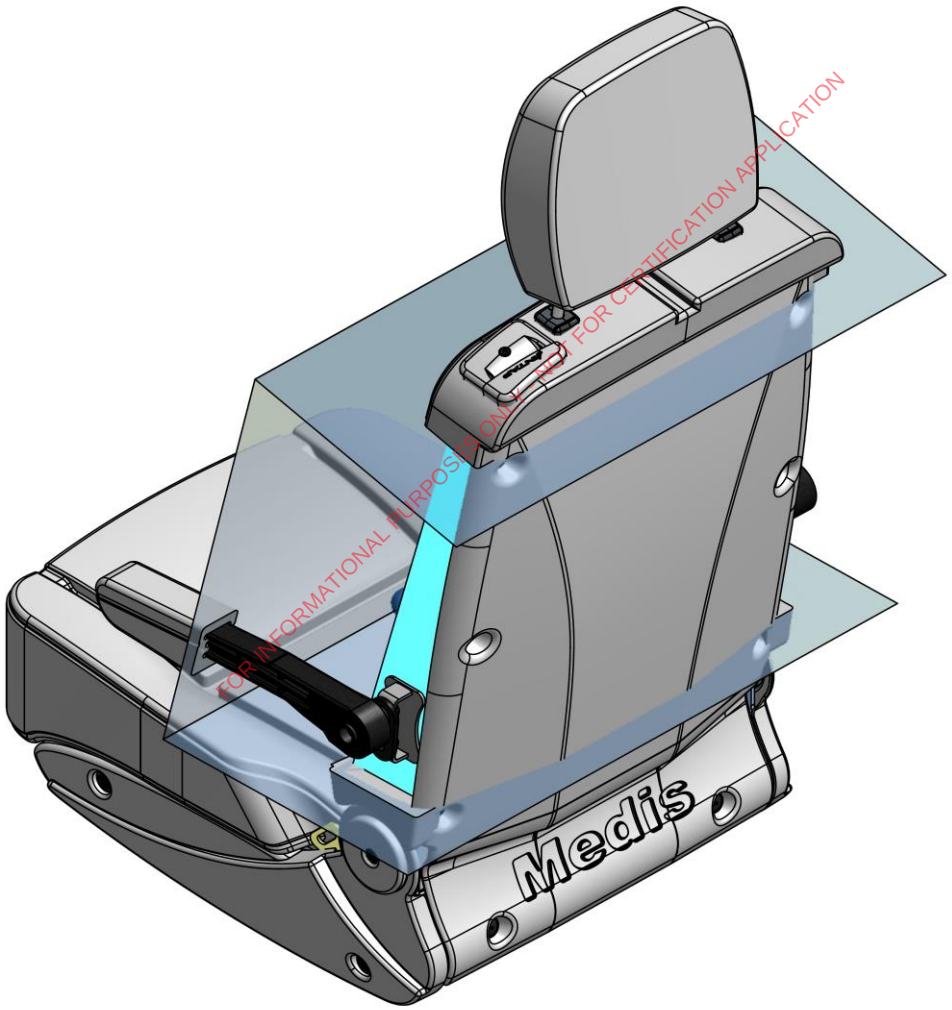
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

Area 3

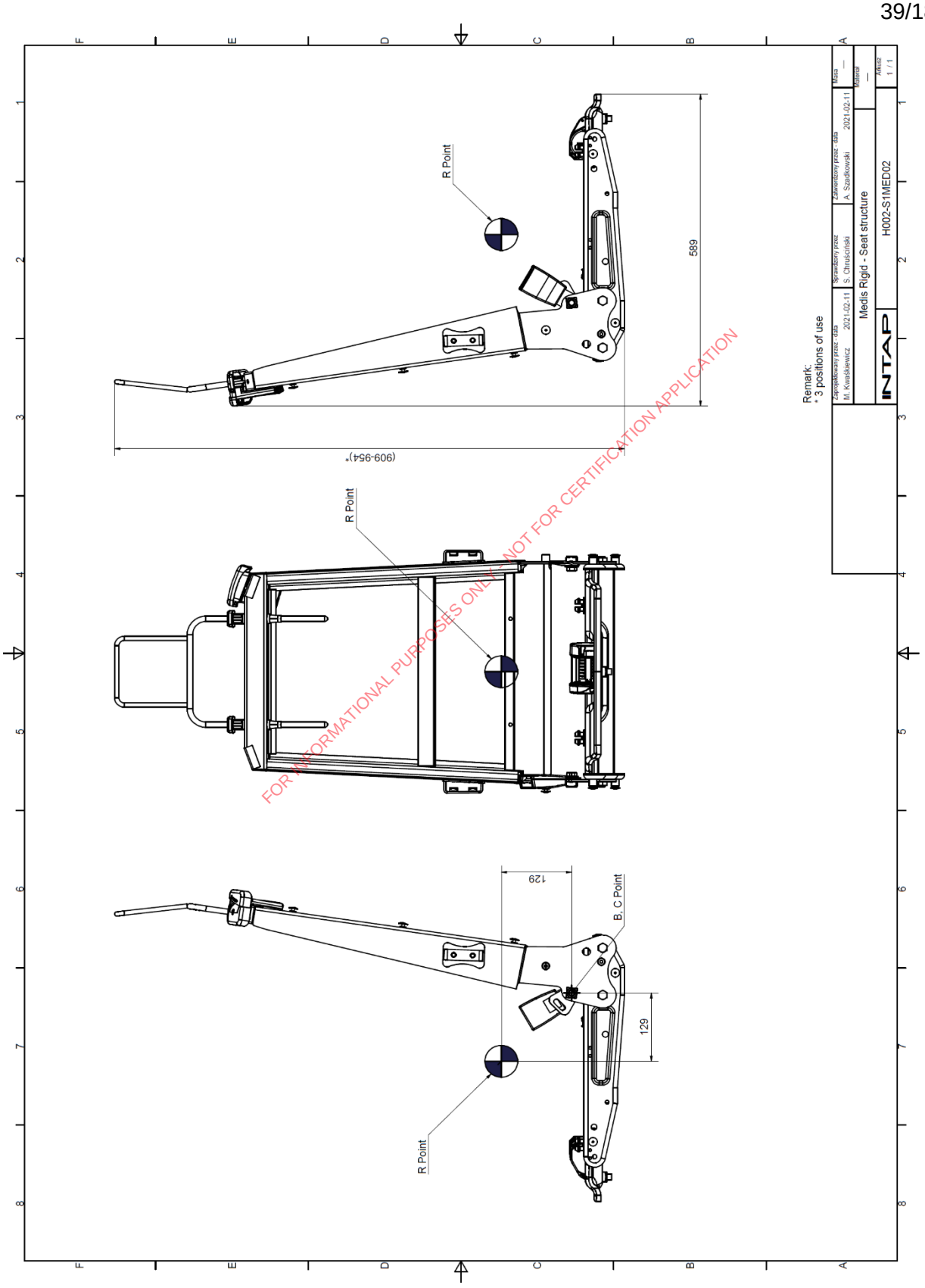


Rear surfaces of the seat in Area 3, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 3,2 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa	
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—	
Medis Rigid - Areas ECE-R17			Materiał —	
INTAP	H003-S1MED02		Arkusz 4 / 4	

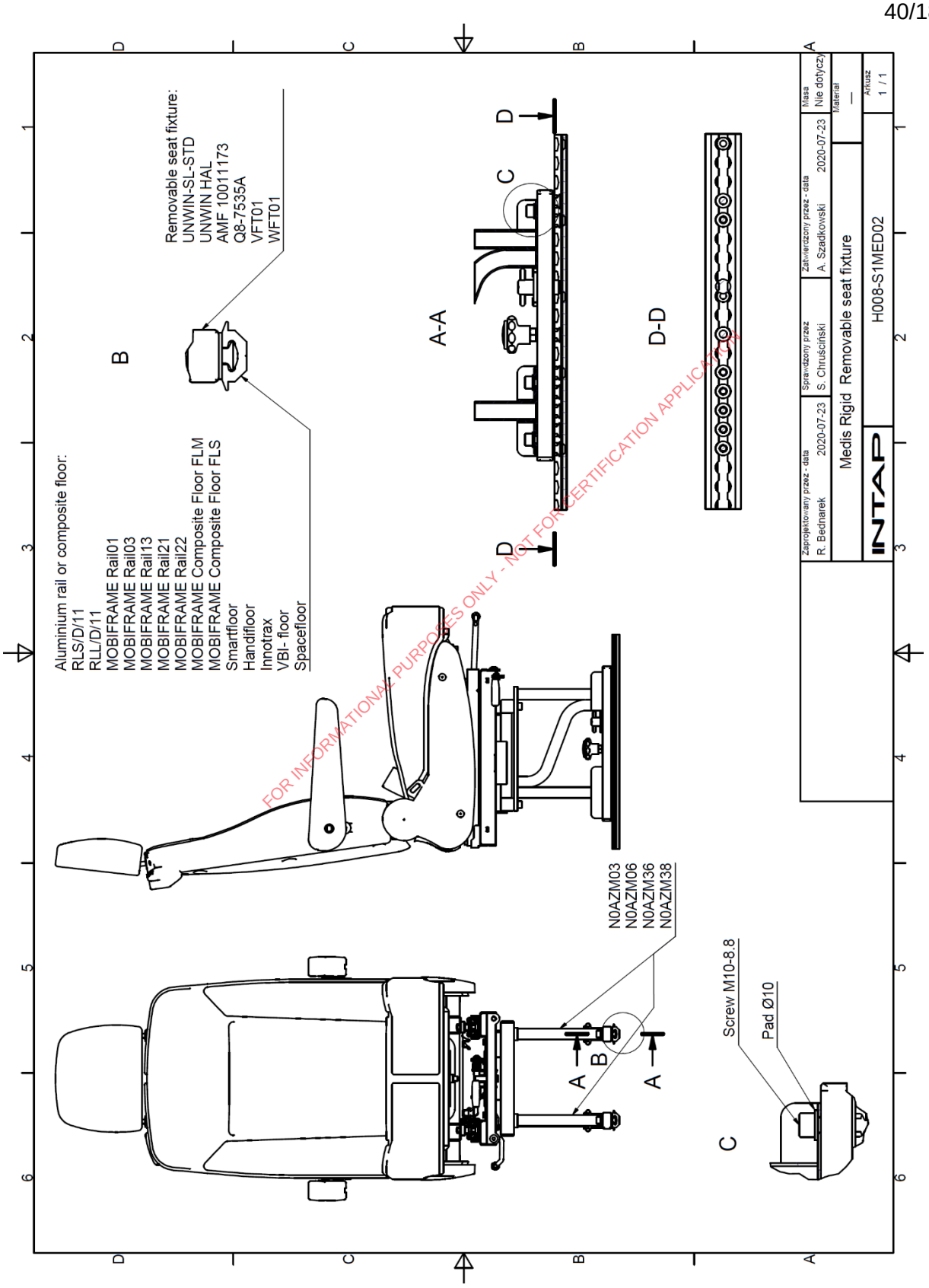
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



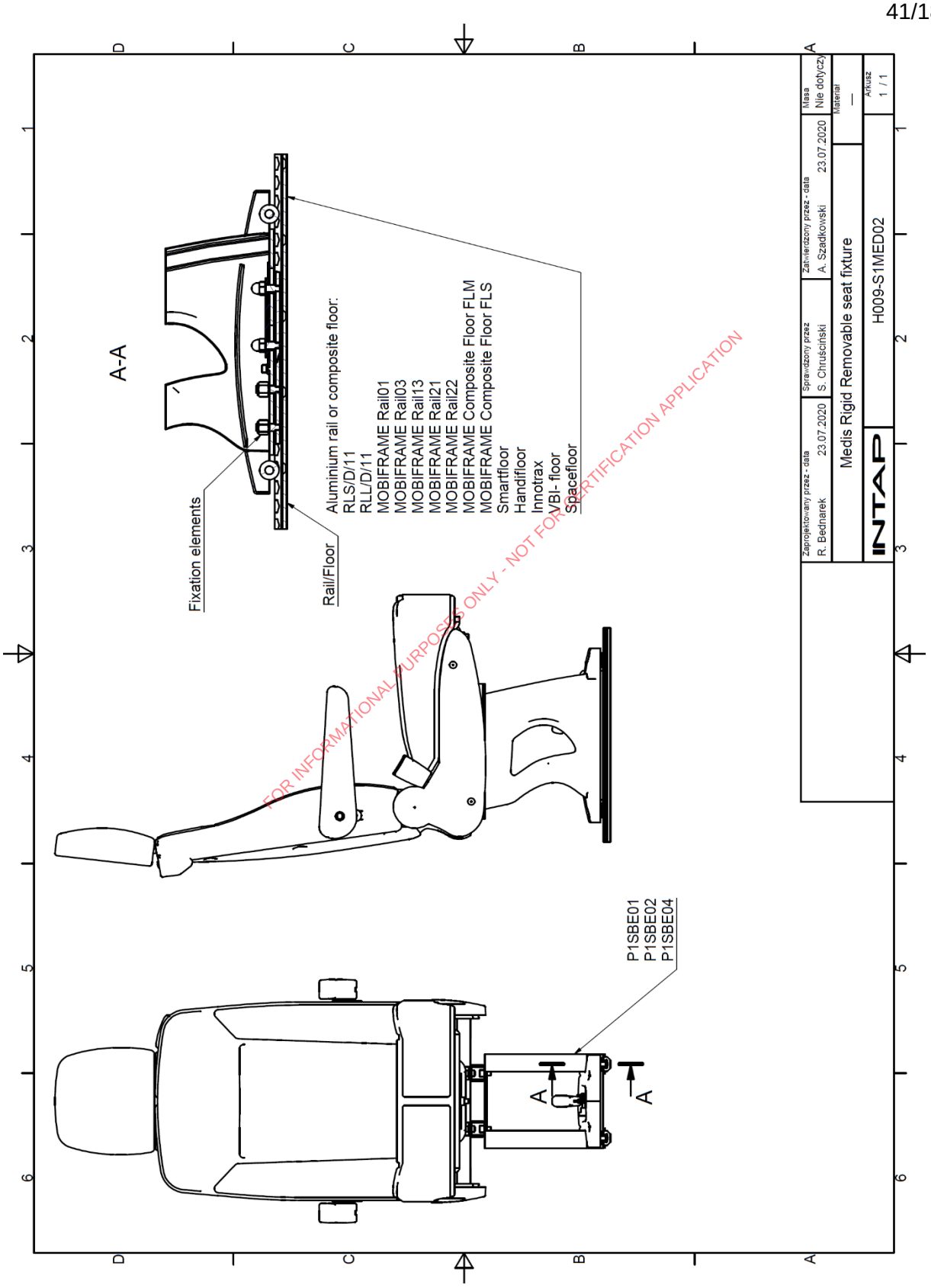
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



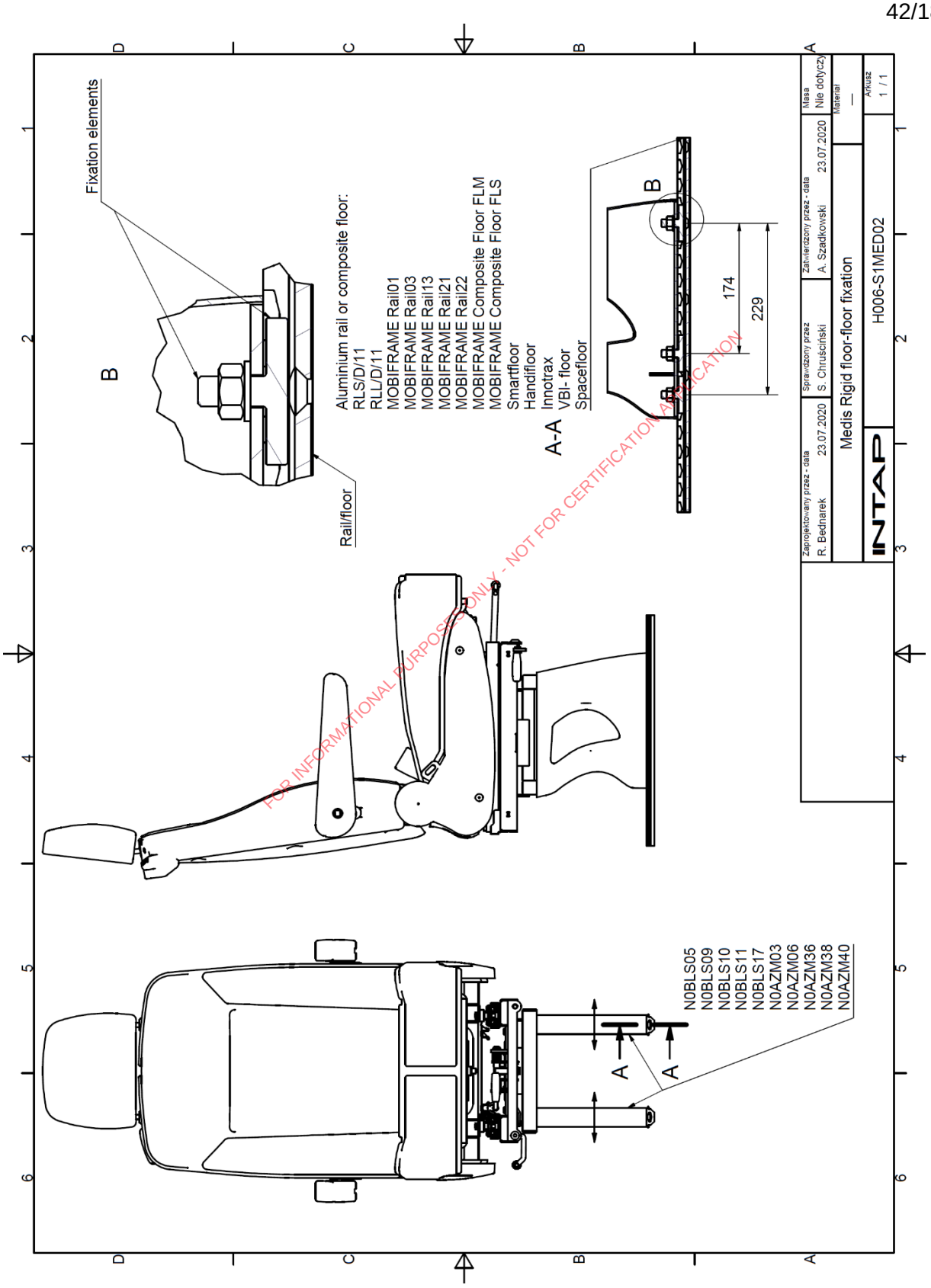
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



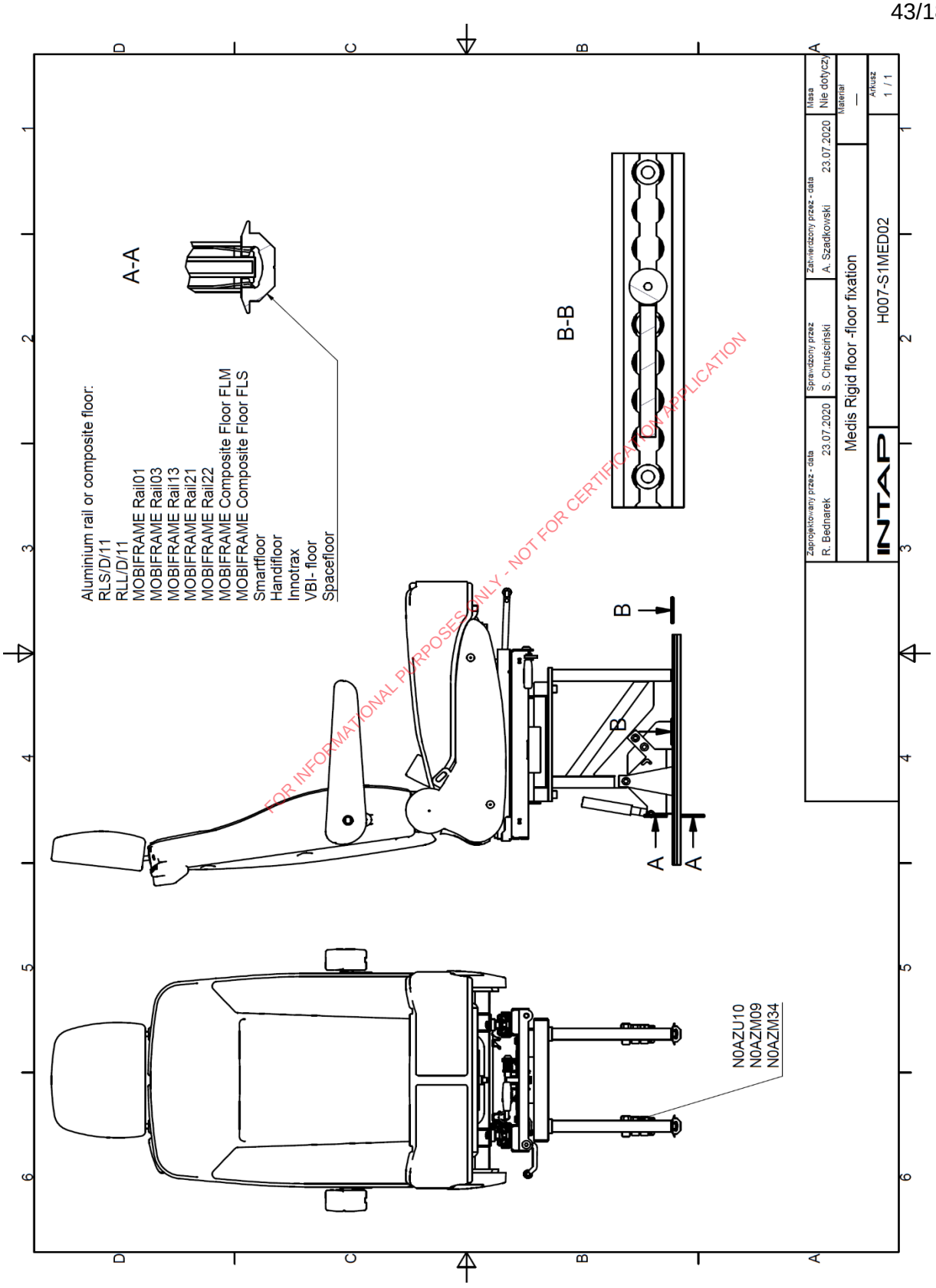
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

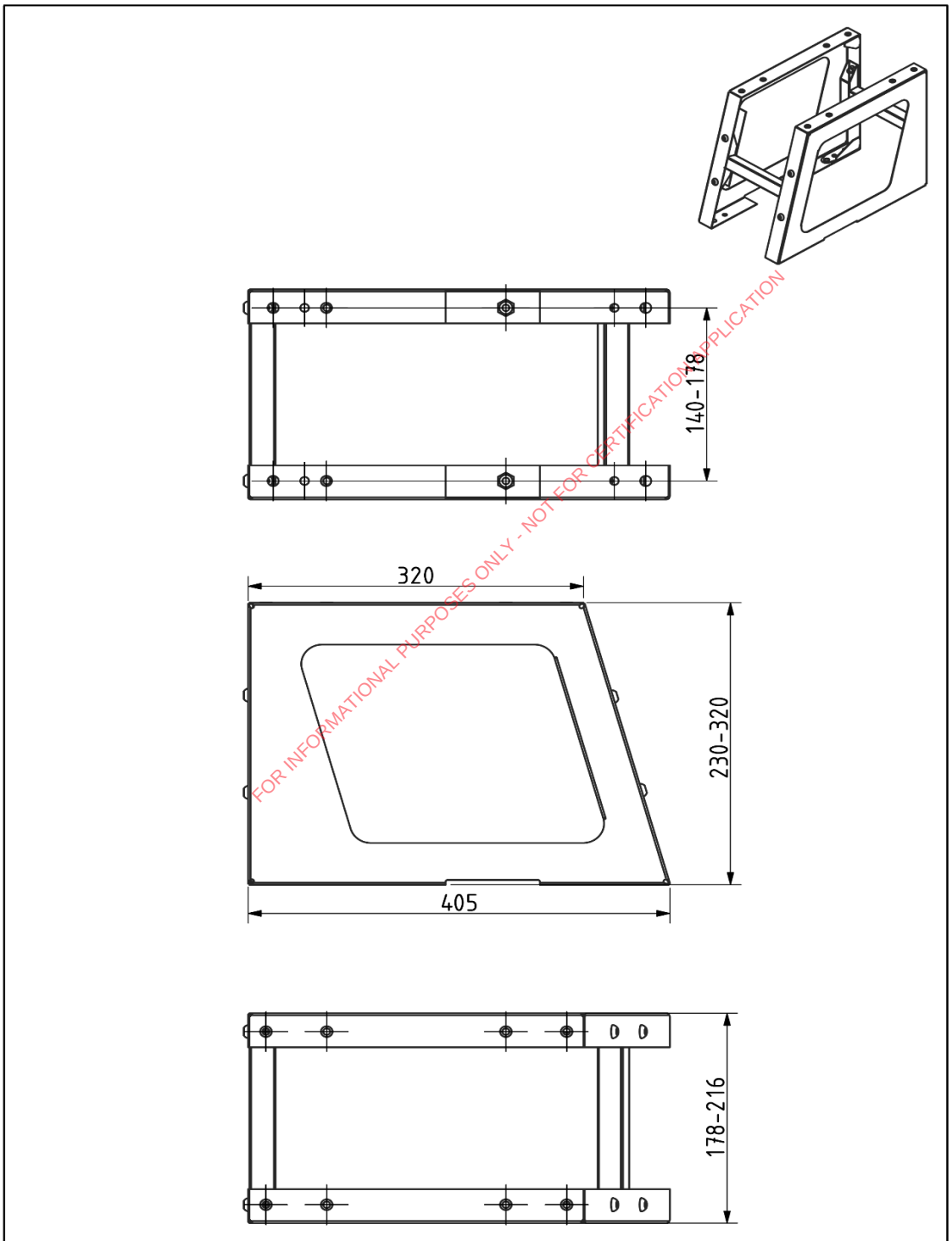
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



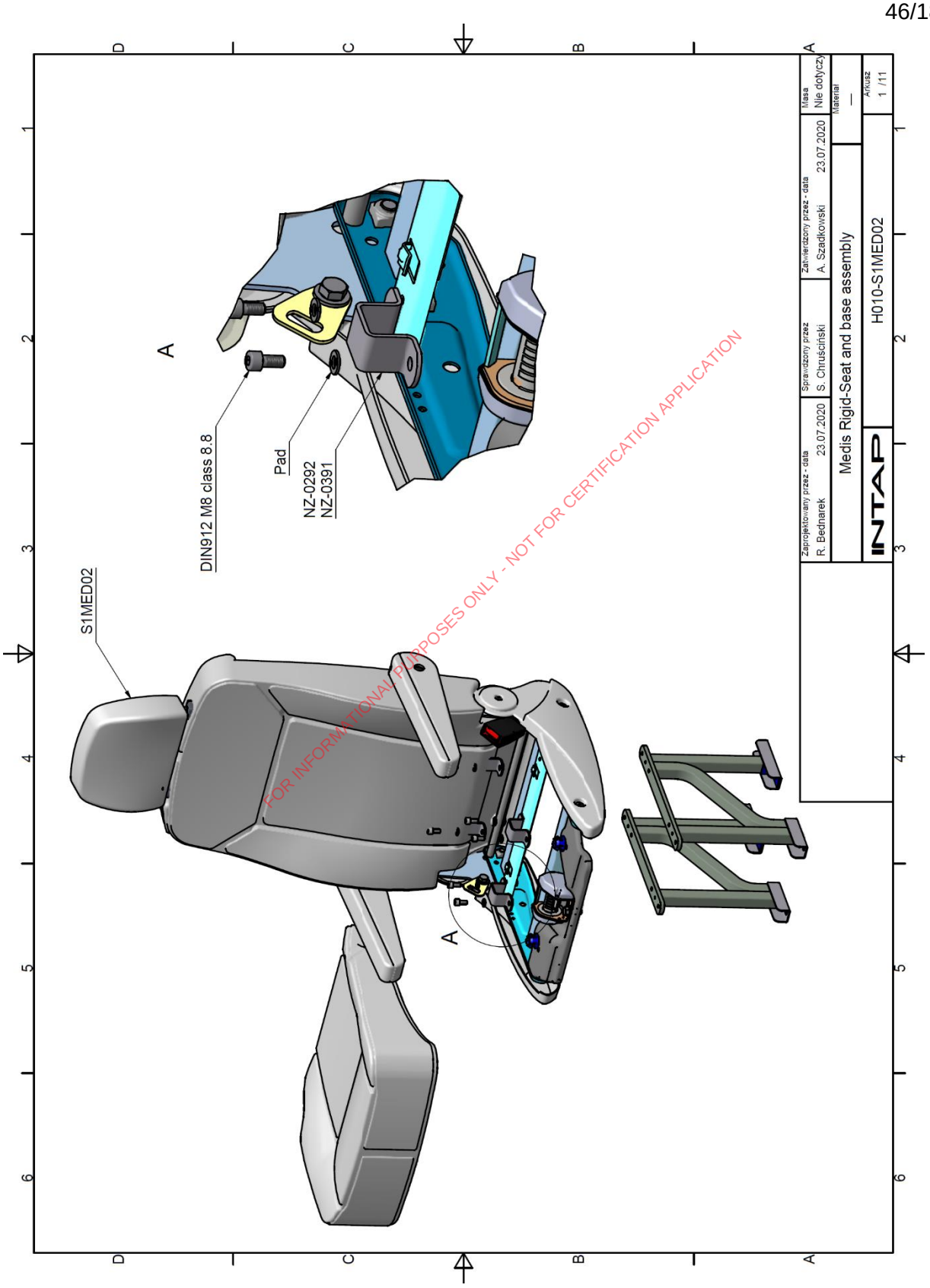
TAB 1. Configuration of rails with fixation elements		
Rail	**Rear fixation**	**Front fixation**
UNWIN RLS, RLL, MOBIFRAME Composite Floor FLS / FLM, MOBIFRAME Rail01 MOBIFRAME Rail21 MOBIFRAME Rail22	TMI TMI-17 TMDS LCK-04 LCK-06	TMI TMI-17 LCK-04 LCK-06
MOBIFRAME Rail03 or MOBIFRAME Rail13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13

TAB 2. Configuration of bolt/nut size with fixation elements	
TMI	M8
TMI - 17	M10
TMDS	M8
OKBeeBLOCK 03 / BLK-03 OKBeeBLOCK 13 / BLK-013	M10
LCK-04 LCK-05	M8

Zaprojektowany przez - data Ł.Dumka - 13.03.2020	Sprawdzony przez S. Chruściński	Zatwierdzony przez - data A. Szadkowski - 13.03.2020	Masa -
fixation elements			Materiał -
INTAP	H019 - TAB. 1 / TAB. 2		1 z 1

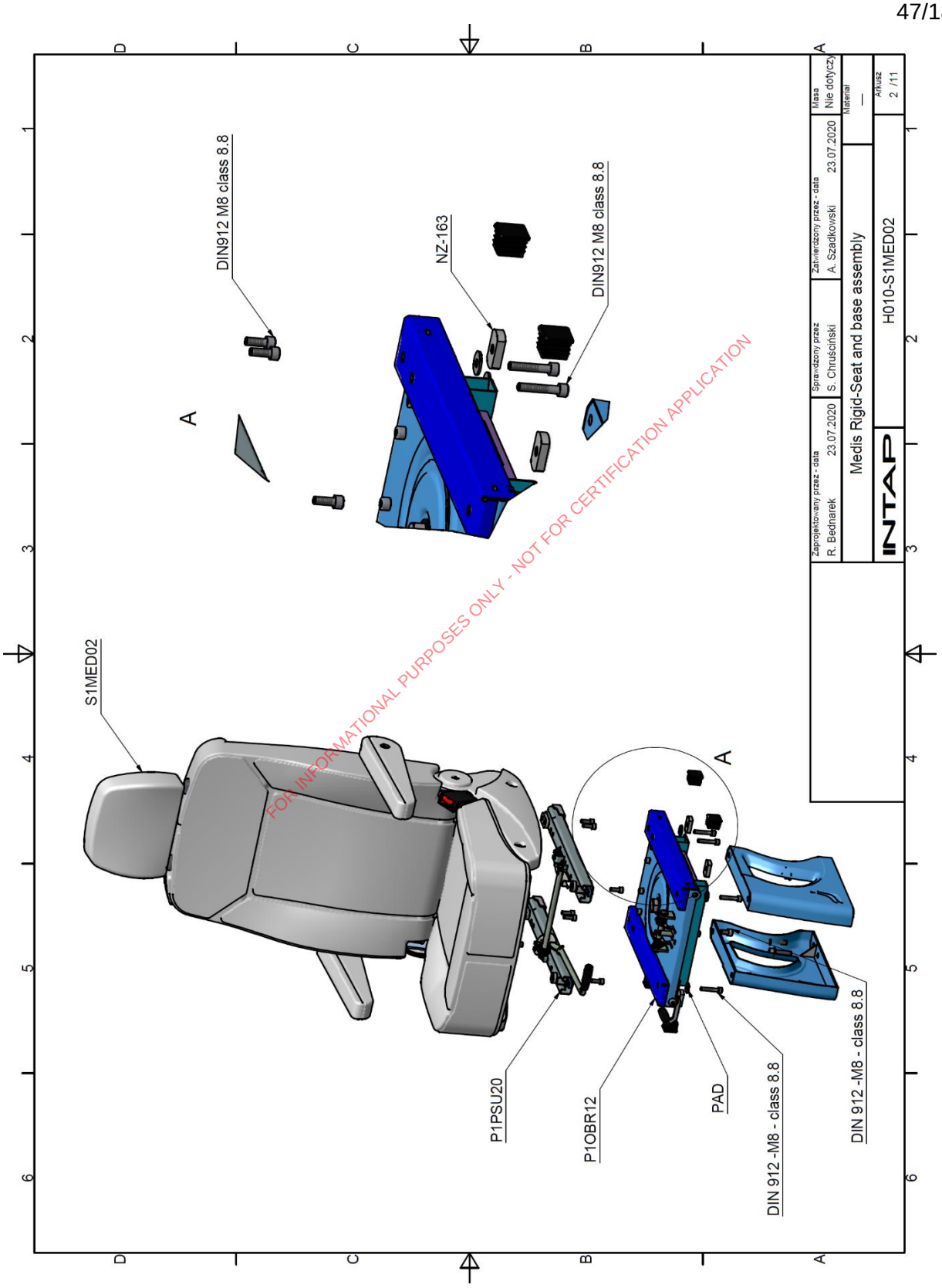


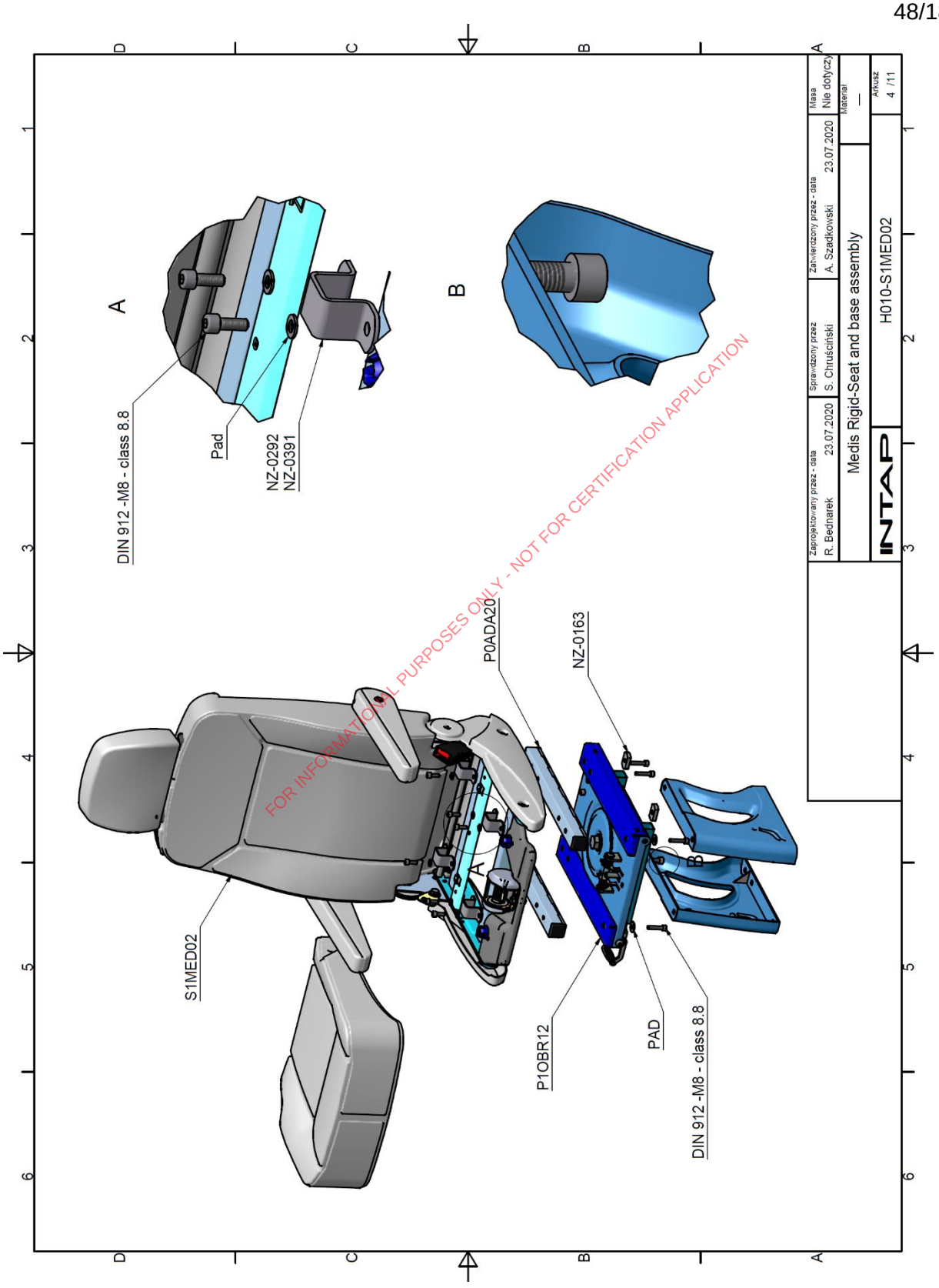
MOBIFRAME	Base V-leg	Date 20.05.2020
		Sheet 1/1

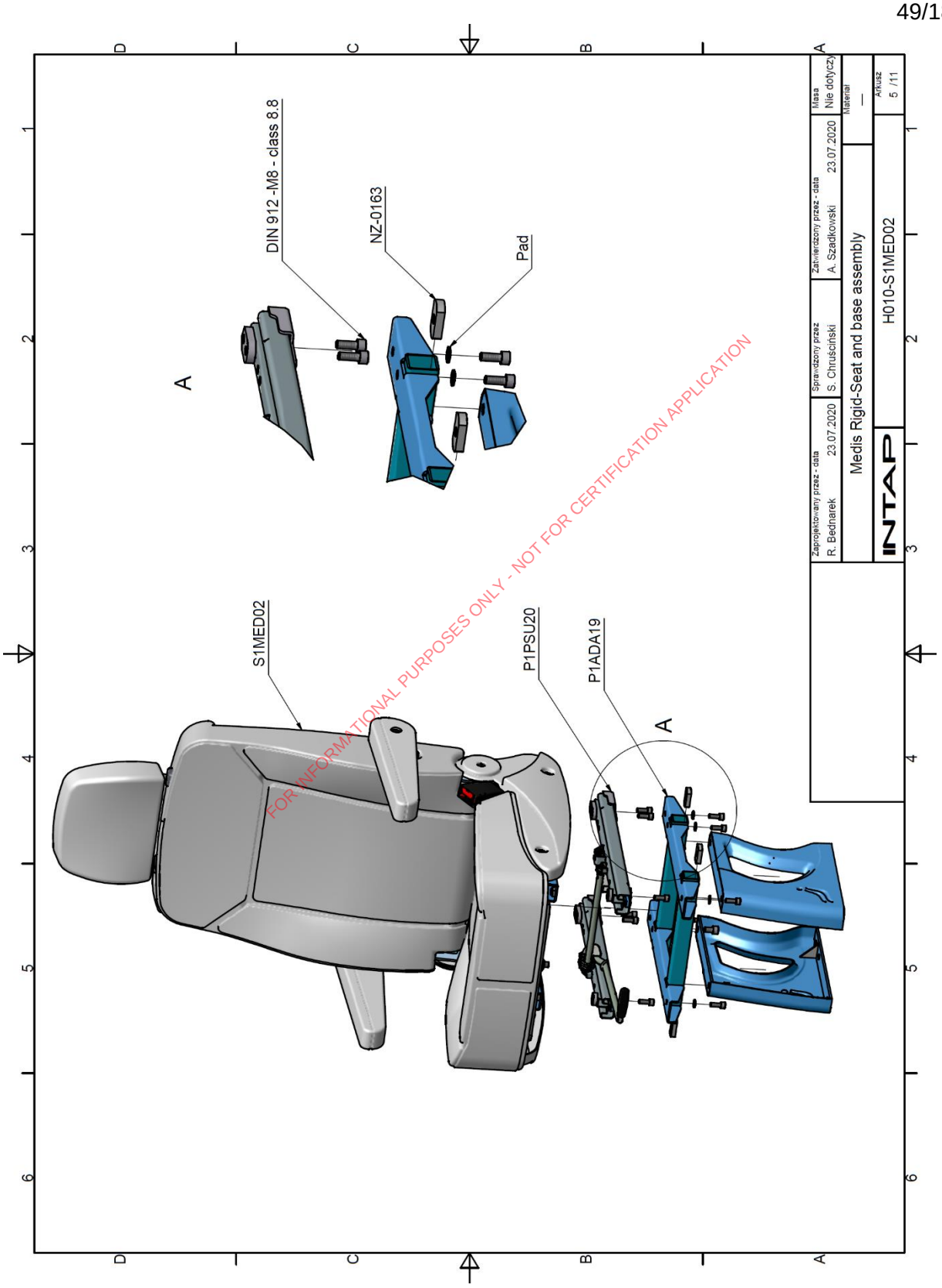

A
DIN912 M8 class 8.8
Pad
NZ-0292
NZ-0391
S1MED02
A
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
1 /11
Medis Rigid-Seat and base assembly
INTAP
H010-S1MED02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

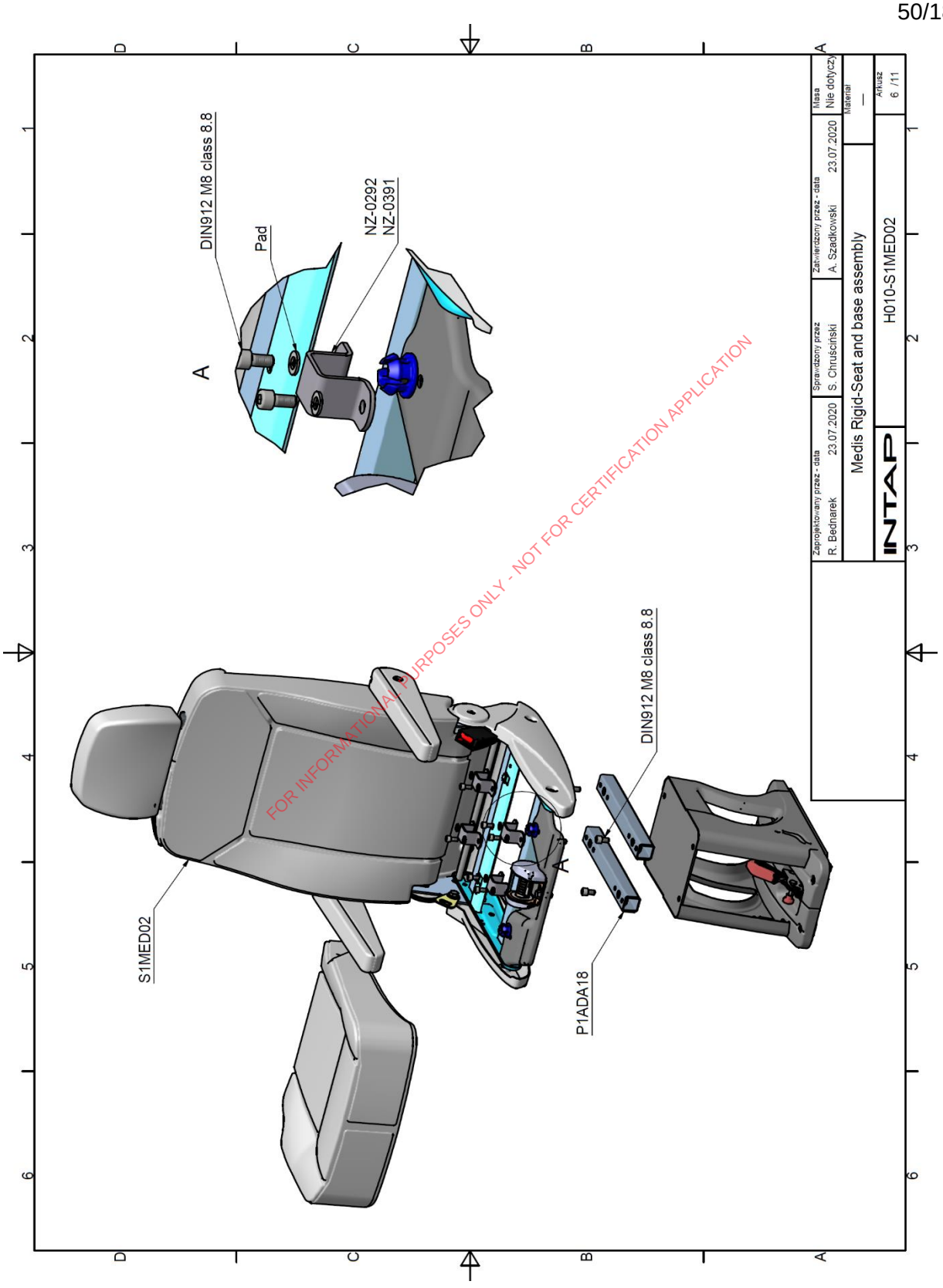



A
B
DIN 912 -M8 - class 8.8
Pad
NZ-0292
NZ-0391
P0ADA20
NZ-0163
S1MED02
P1OBR12
PAD
DIN 912 -M8 - class 8.8
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
4 /11
Medis Rigid-Seat and base assembly
INTAP
H010-S1MED02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION


DIN 912 -M8 - class 8.8
NZ-0163
Pad
A
S1MED02
P1PSU20
P1ADA19
A
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
5 /11
Medis Rigid-Seat and base assembly
INTAP
H010-S1MED02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

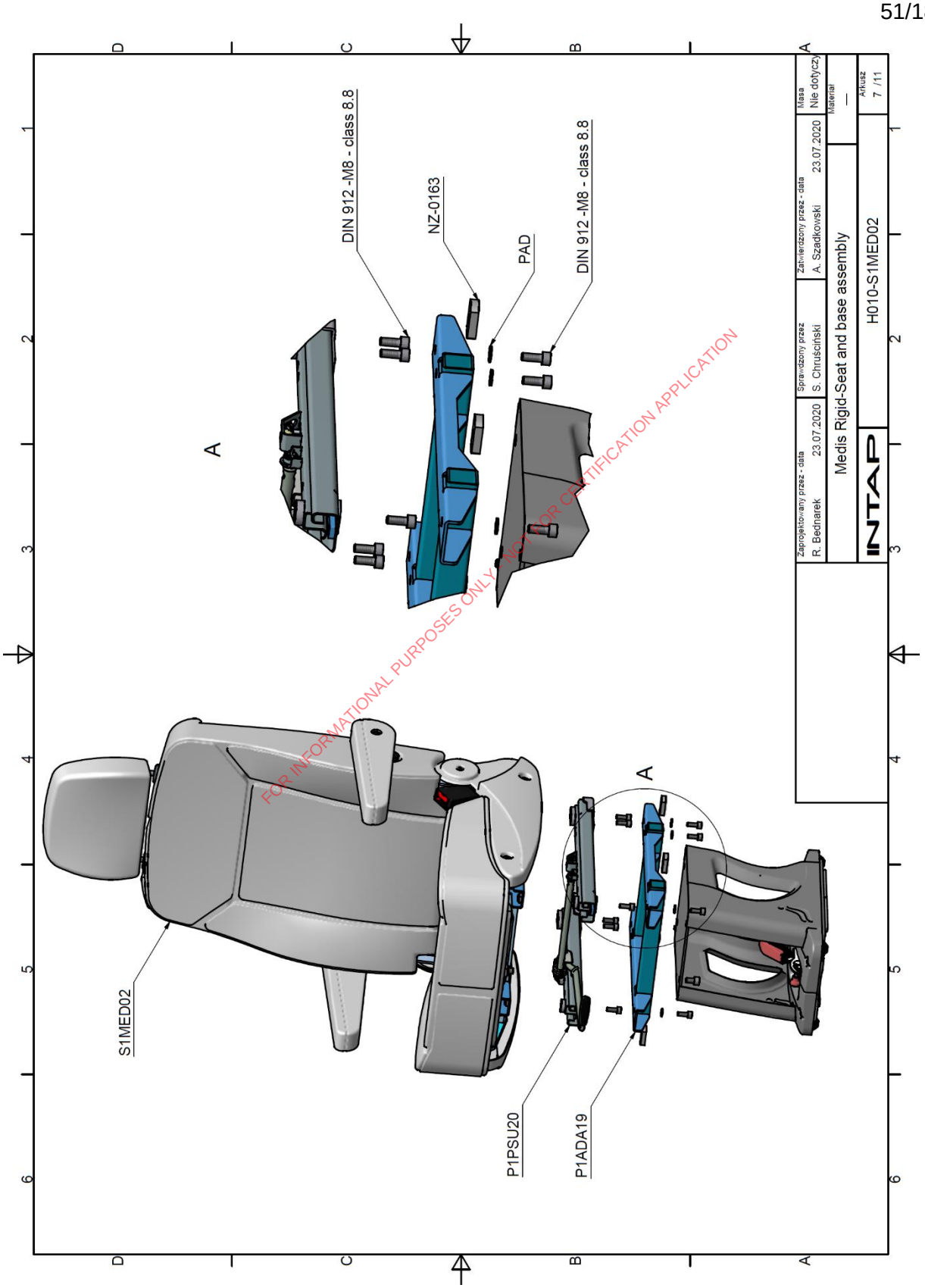
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



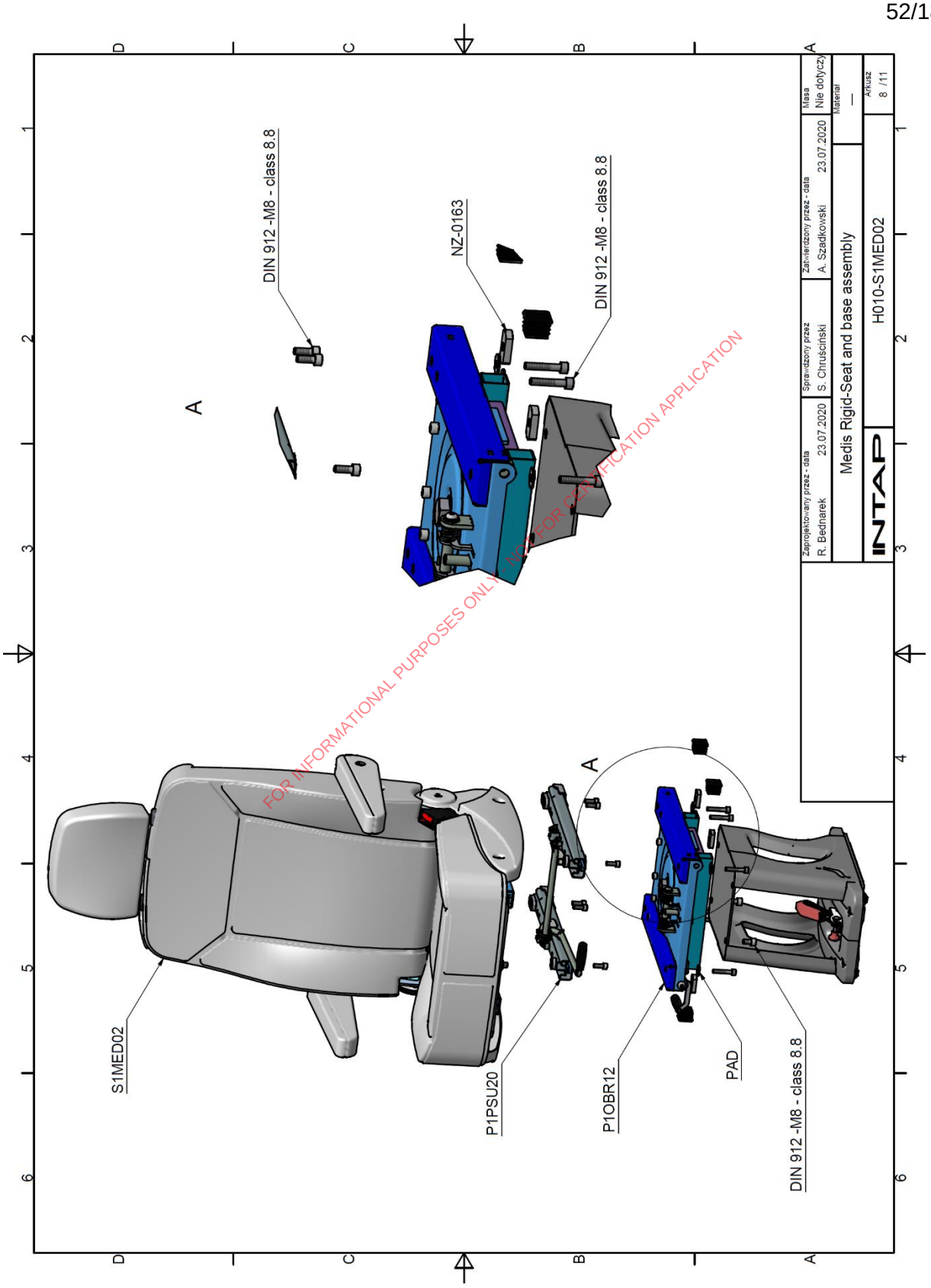
TÜV SÜD Czech s.r.o.

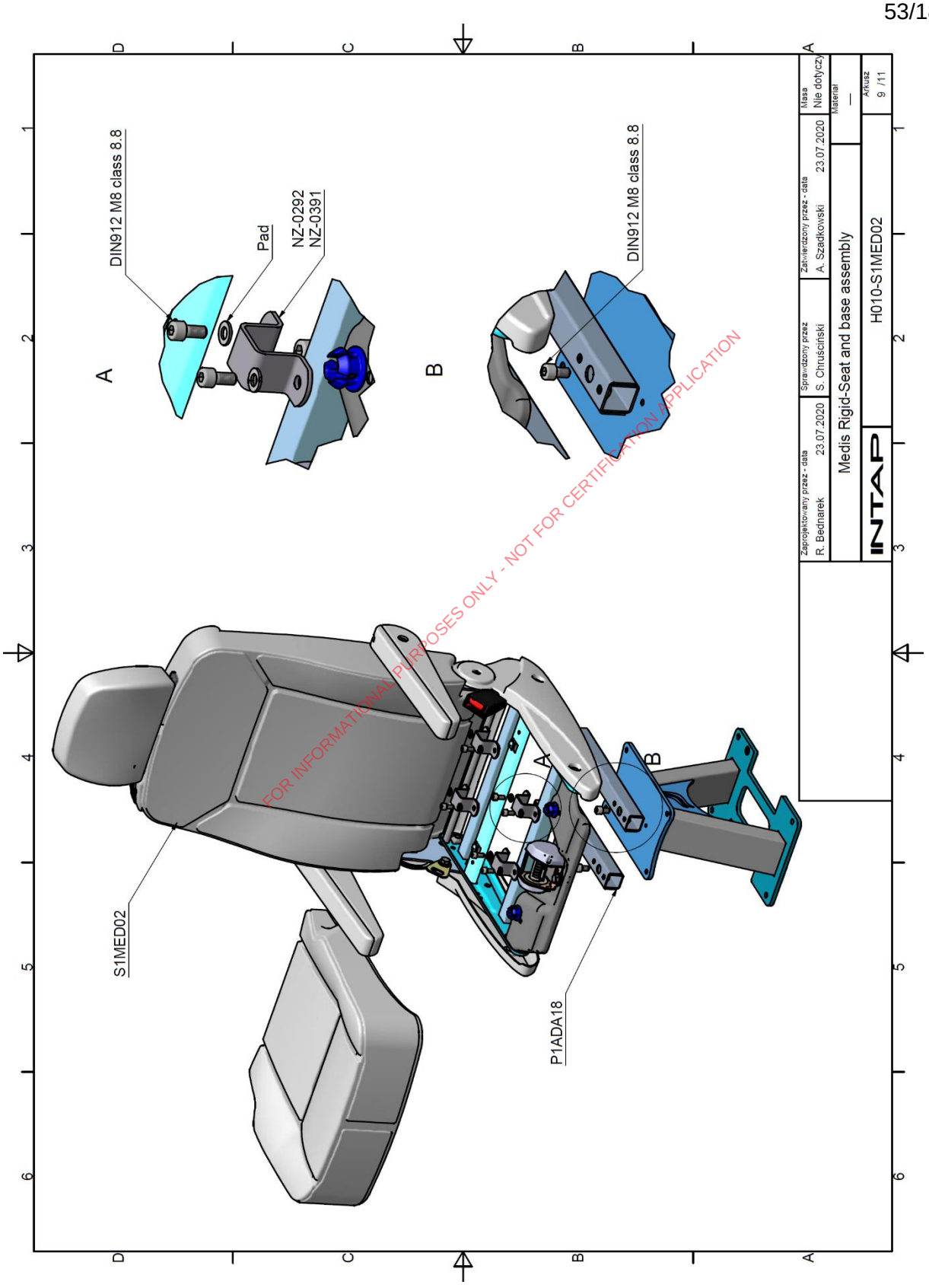
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

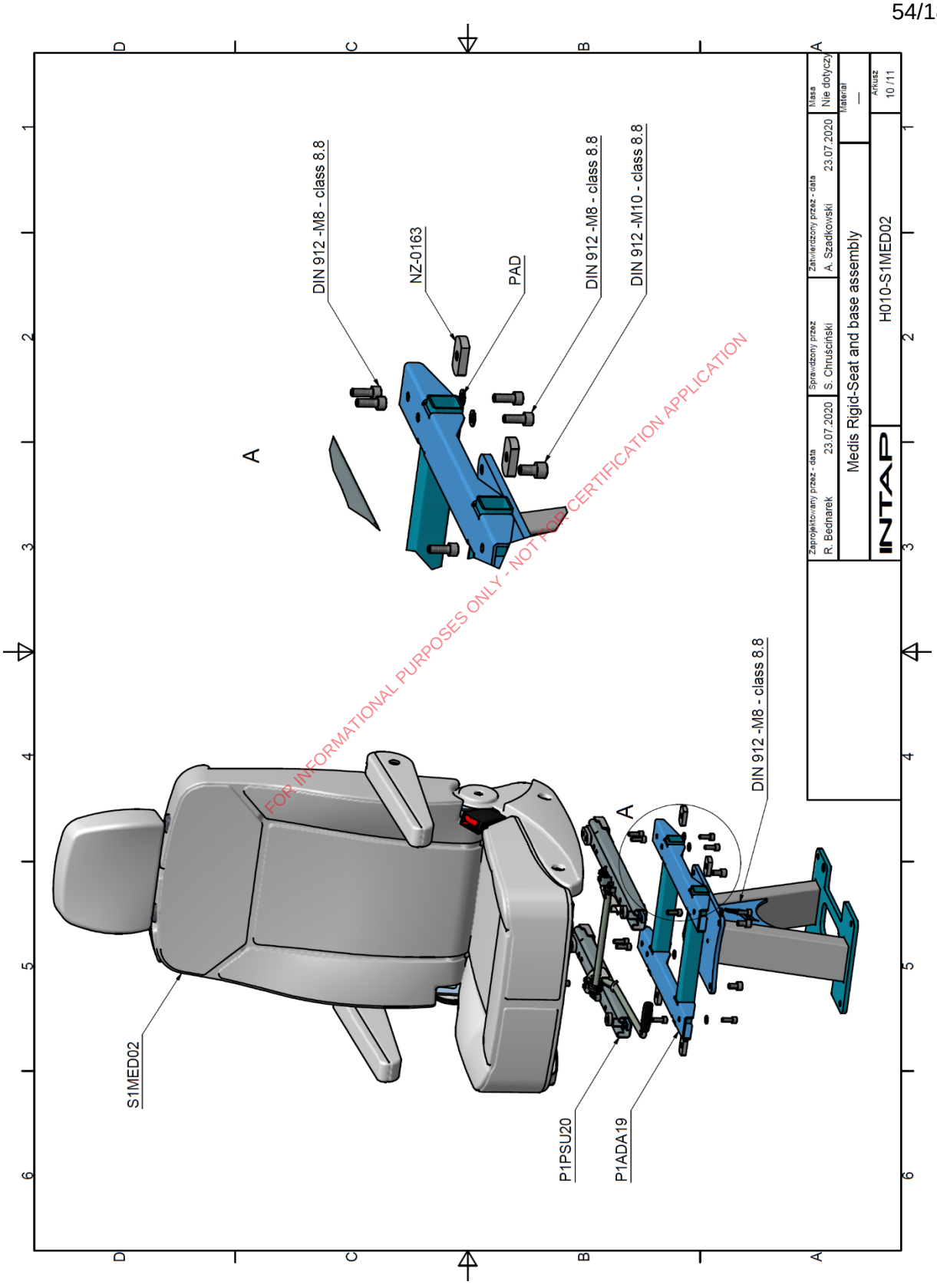


TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

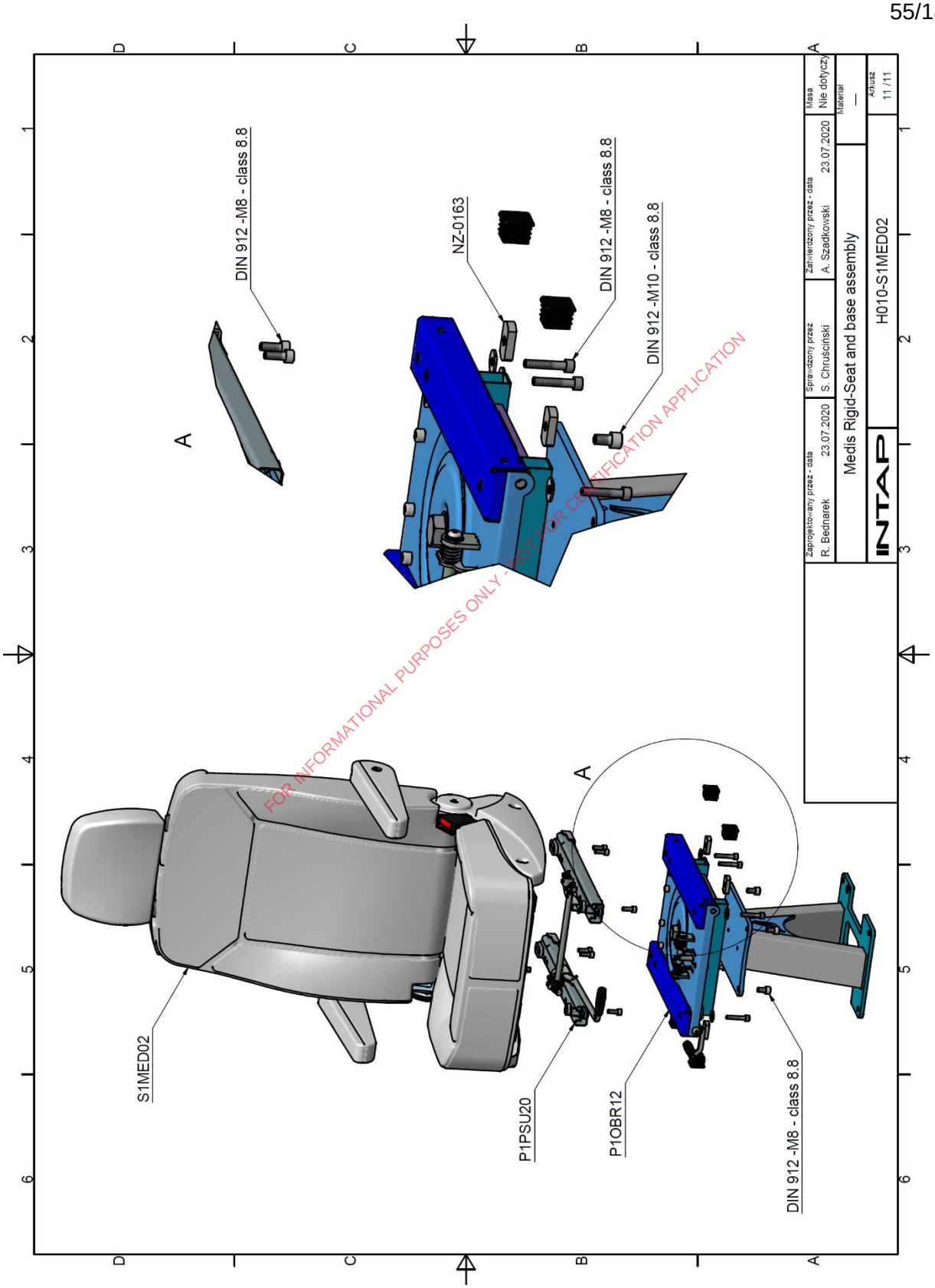



DIN912 M8 class 8.8
Pad
NZ-0292
NZ-0391
A
B
DIN912 M8 class 8.8
S1MED02
P1ADA18
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
9 /11
Medis Rigid-Seat and base assembly
INTAP
H010-S1MED02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION / APPLICATION


DIN 912 -M8 - class 8.8
NZ-0163
PAD
DIN 912 -M8 - class 8.8
DIN 912 -M10 - class 8.8
DIN 912 -M8 - class 8.8
S1MED02
P1PSU20
P1ADA19
Medis Rigid-Seat and base assembly
INTAP
H010-S1MED02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

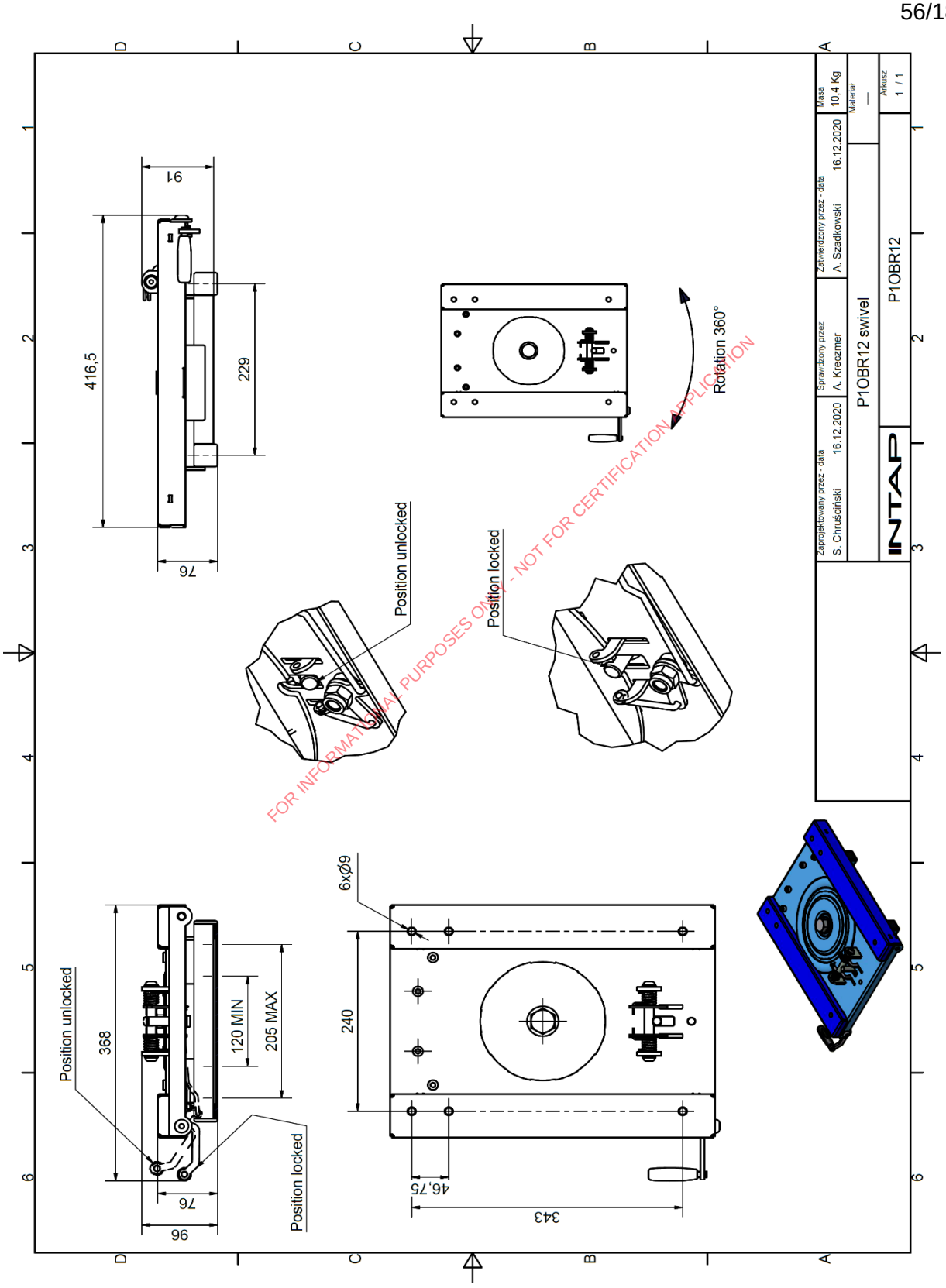
TÜV SÜD Czech s.r.o.

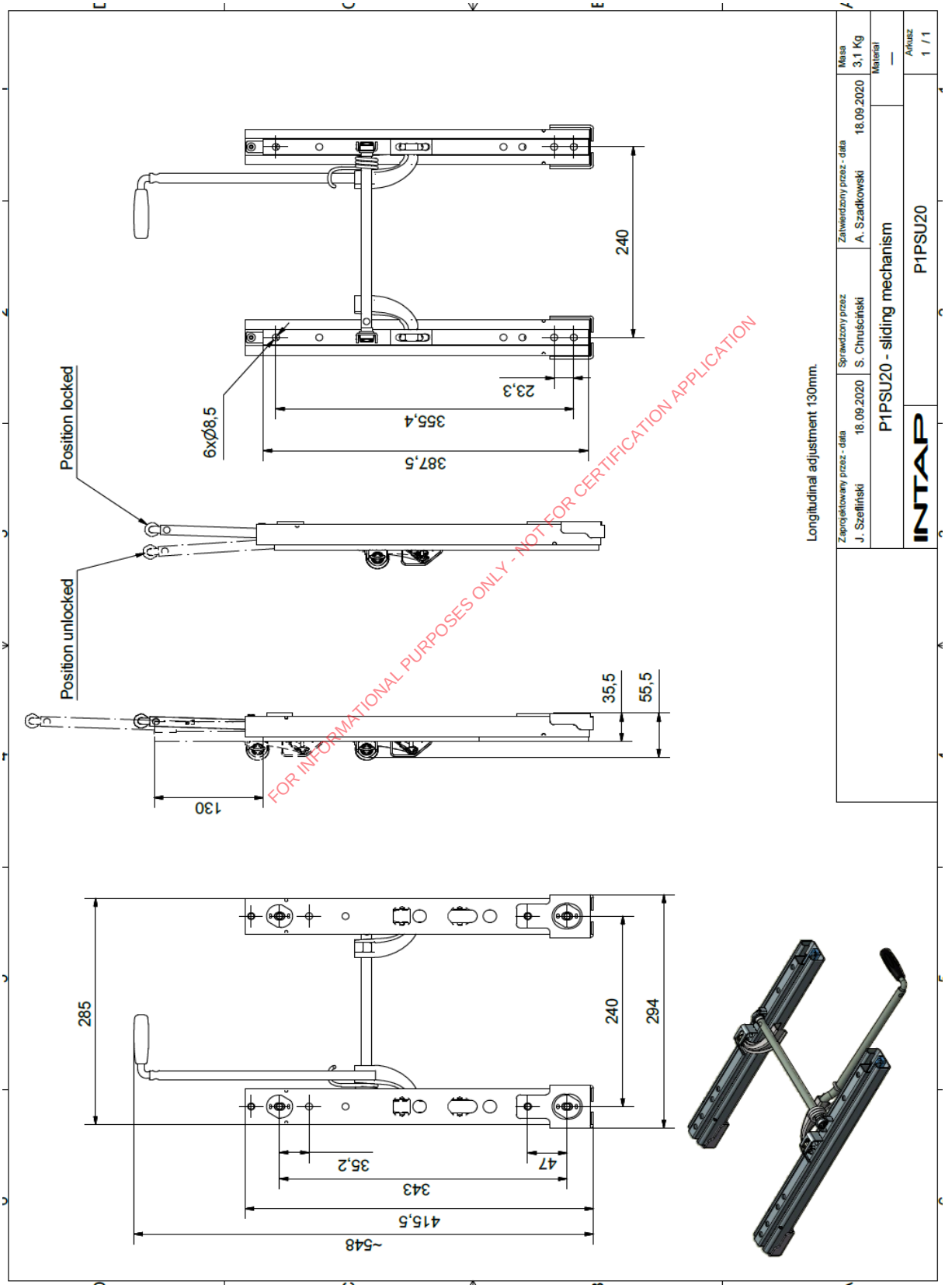
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

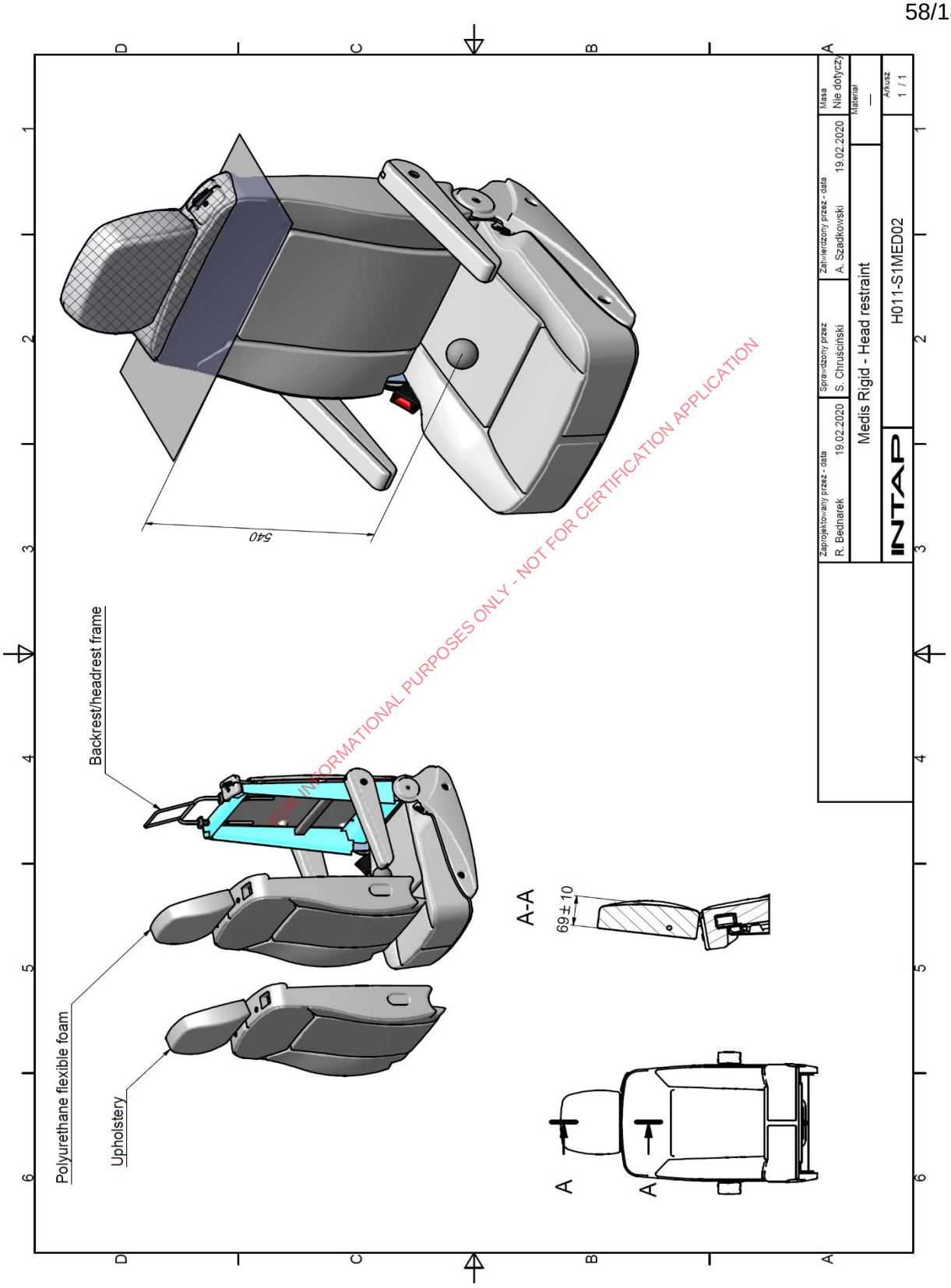


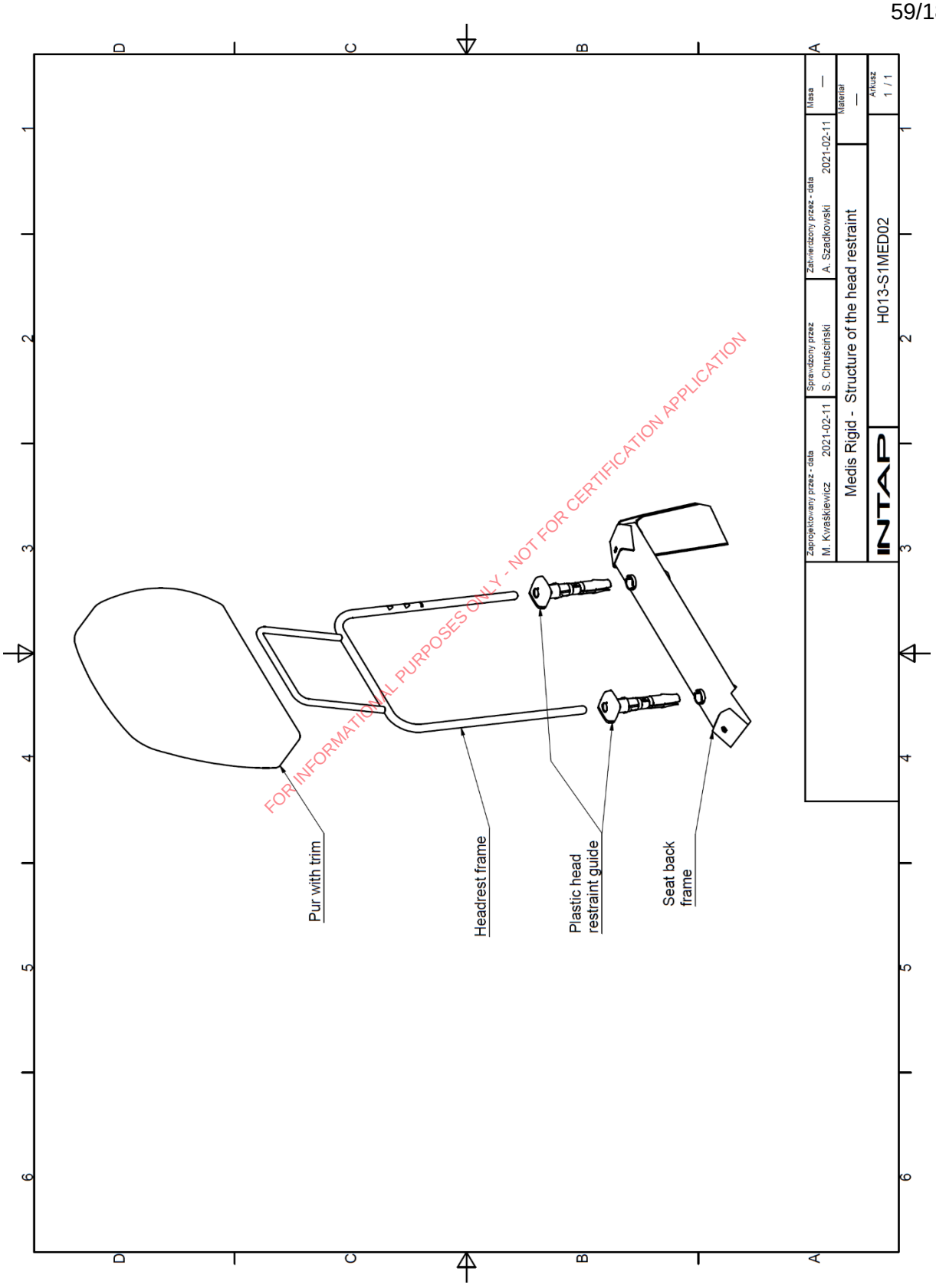
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




240
23,3
355,4
387,5
6xØ8,5
Position locked
Position unlocked
35,5
55,5
130
285
240
294
35,2
47
343
415,5
~548
Longitudinal adjustment 130mm.
P1PSU20 - sliding mechanism
P1PSU20
INTAP
Masa 3.1 Kg
Materiał —
Arkusz 1 / 1
Zatwierdzony przez - data A. Szadkowski 18.09.2020
Sprawdzony przez S. Chruściński
Zaprojektowany przez - data J. Szefliński 18.09.2020
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION


540
Backrest/headrest frame
Polyurethane flexible foam
Upholstery
A-A
69±10
A
A
Zaprojektowany przez - data
R. Bednarek 19.02.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 19.02.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
1 / 1
INTAP
Medis Rigid - Head restraint
H011-S1MED02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

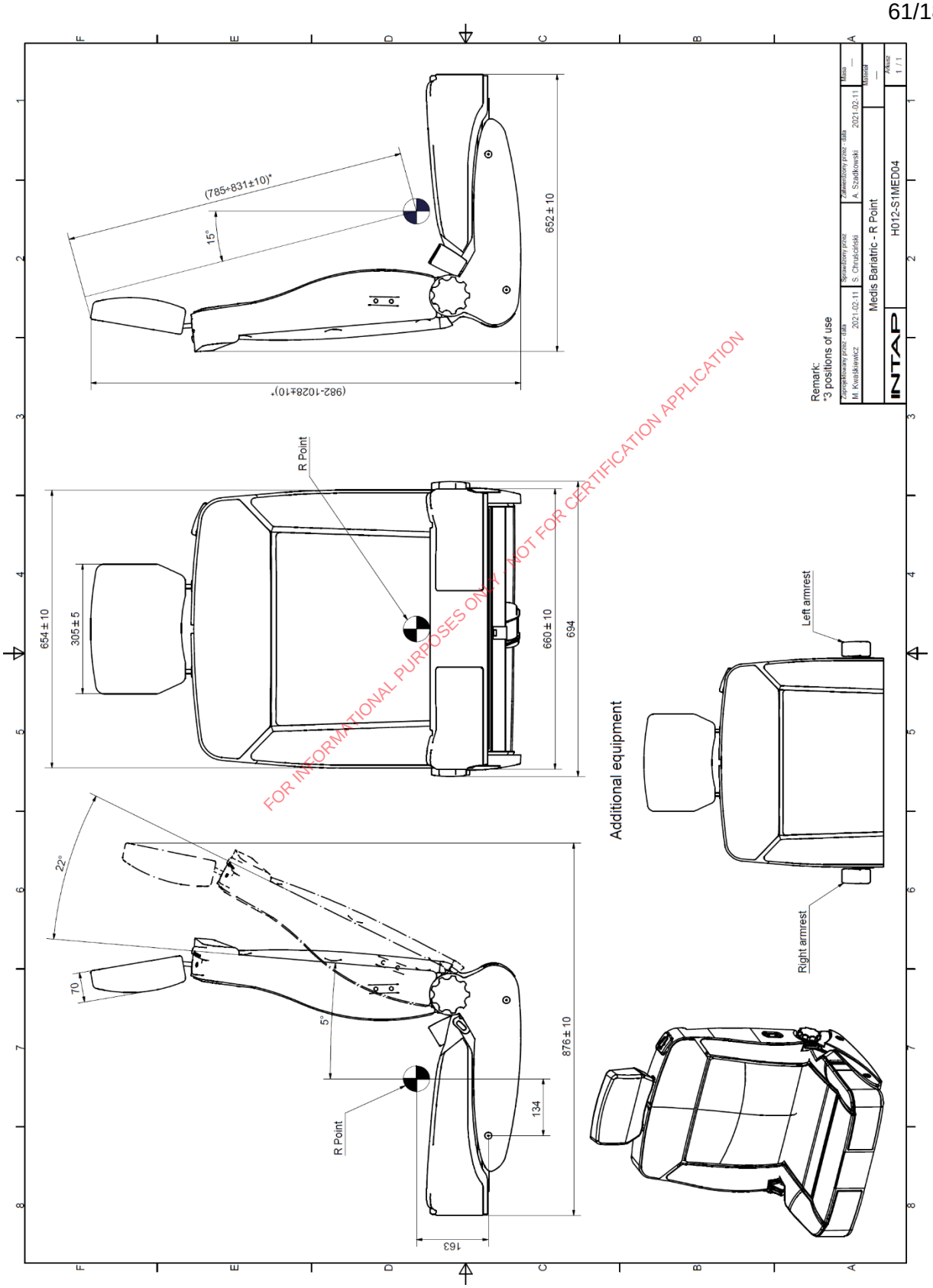

Pur with trim
Headrest frame
Plastic head restraint guide
Seat back frame
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
M. Kwaśkiewicz 2021-02-11
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 2021-02-11
Masa —
Materiał —
Arkusz 1 / 1
Medis Rigid - Structure of the head restraint
INTAP
H013-S1MED02

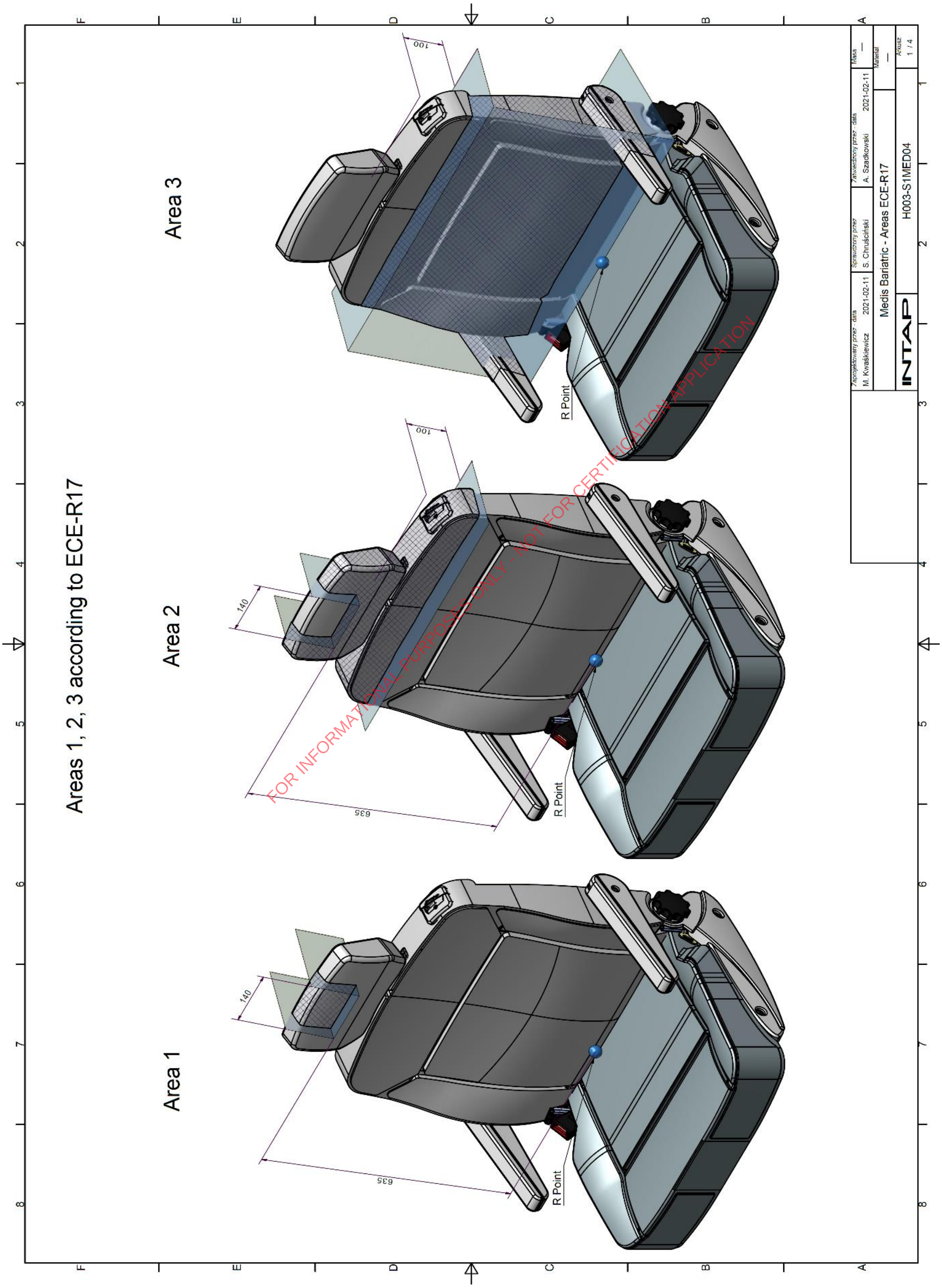
Drawings: Seat S1MED04

Medis Bariatric S1MED04

TÜV SÜD Czech s.r.o.

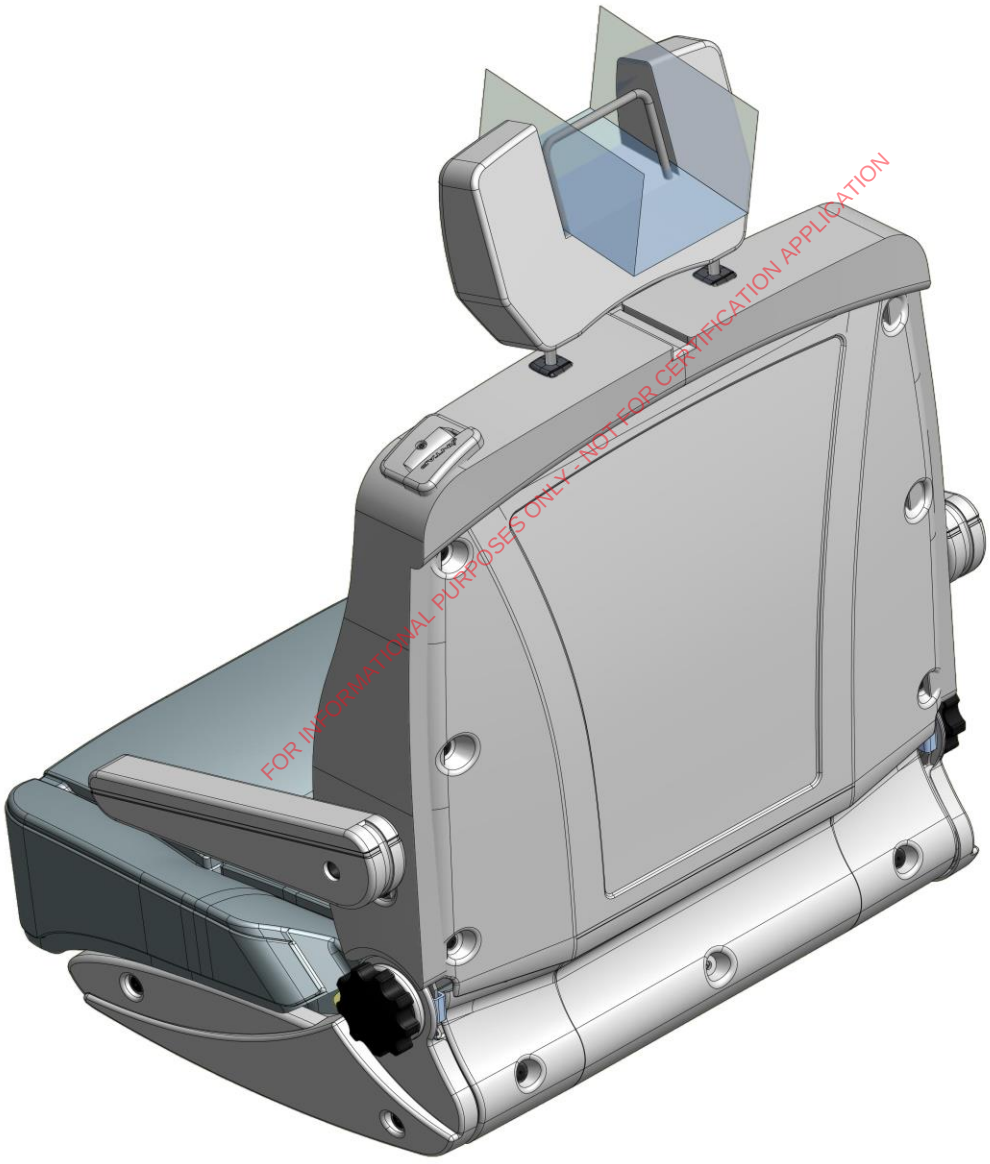
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02





Areas 1, 2, 3 according to ECE-R17
Area 1
Area 2
Area 3
R Point
100
140
635
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Medis Bariatric - Areas ECE-R17
H003-S1MED04
INTAP

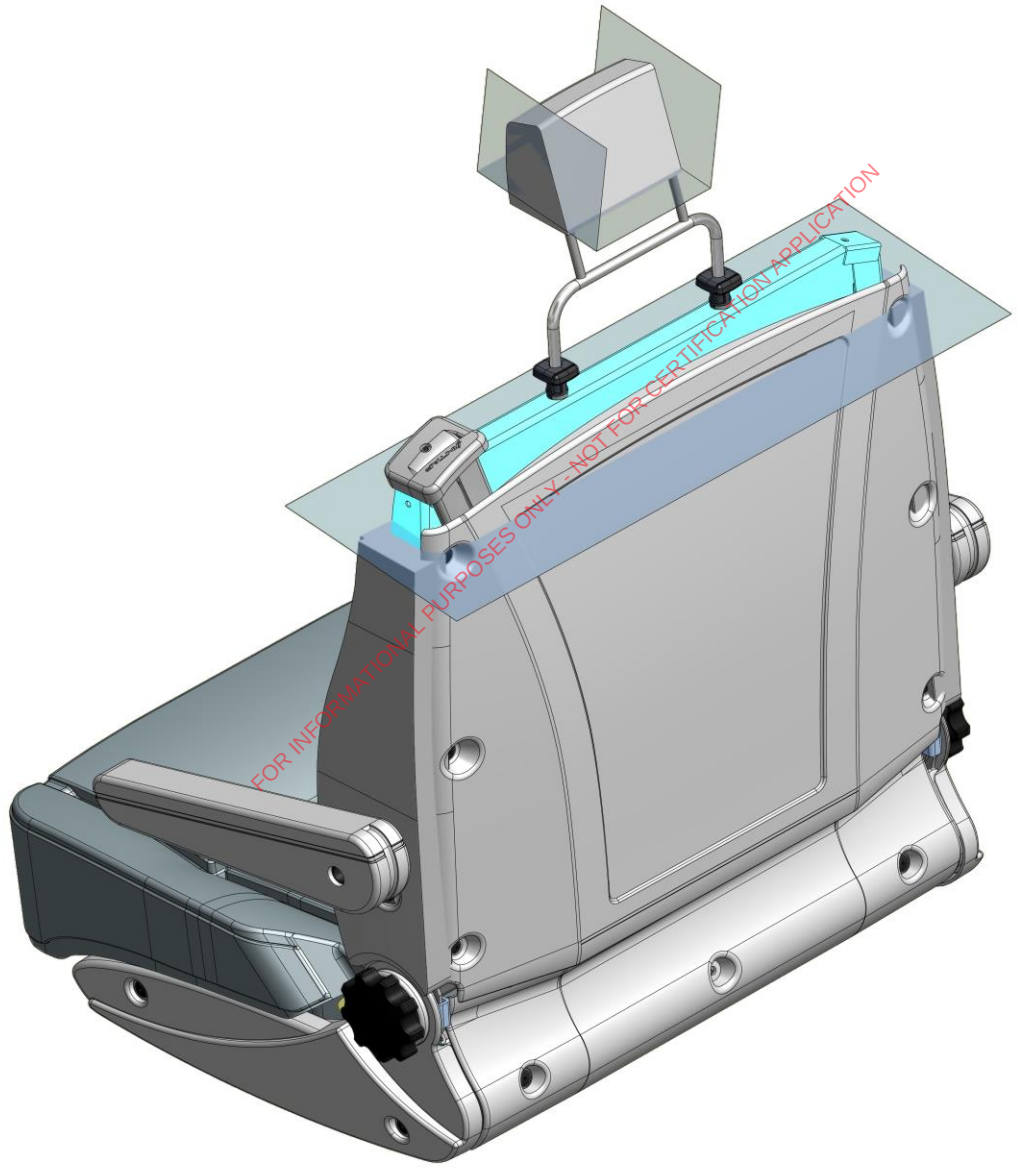
Area 1



Rear surfaces of the seat in Area 1, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 2,5 mm.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis Bariatric - Areas ECE-R17			Materiał —
INTAP	H003-S1MED04		Arkusz 2 / 4

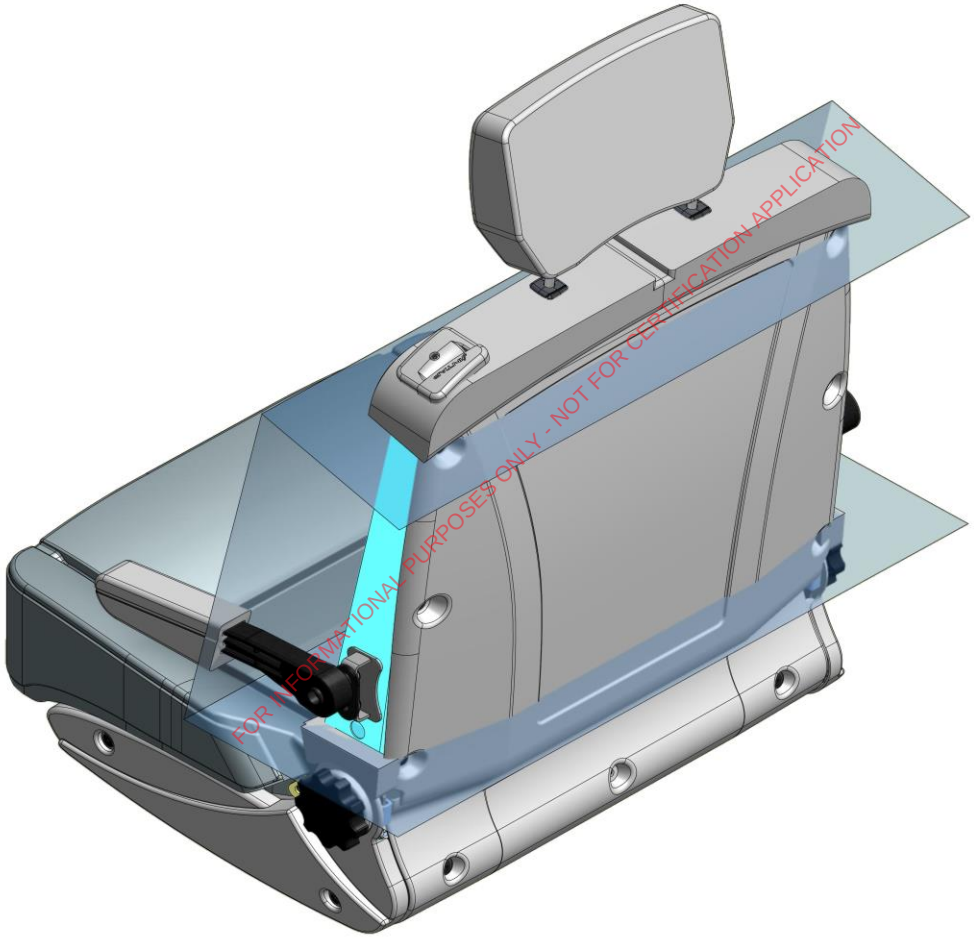
Area 2



Rear surfaces of the seat in Area 2, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 5 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

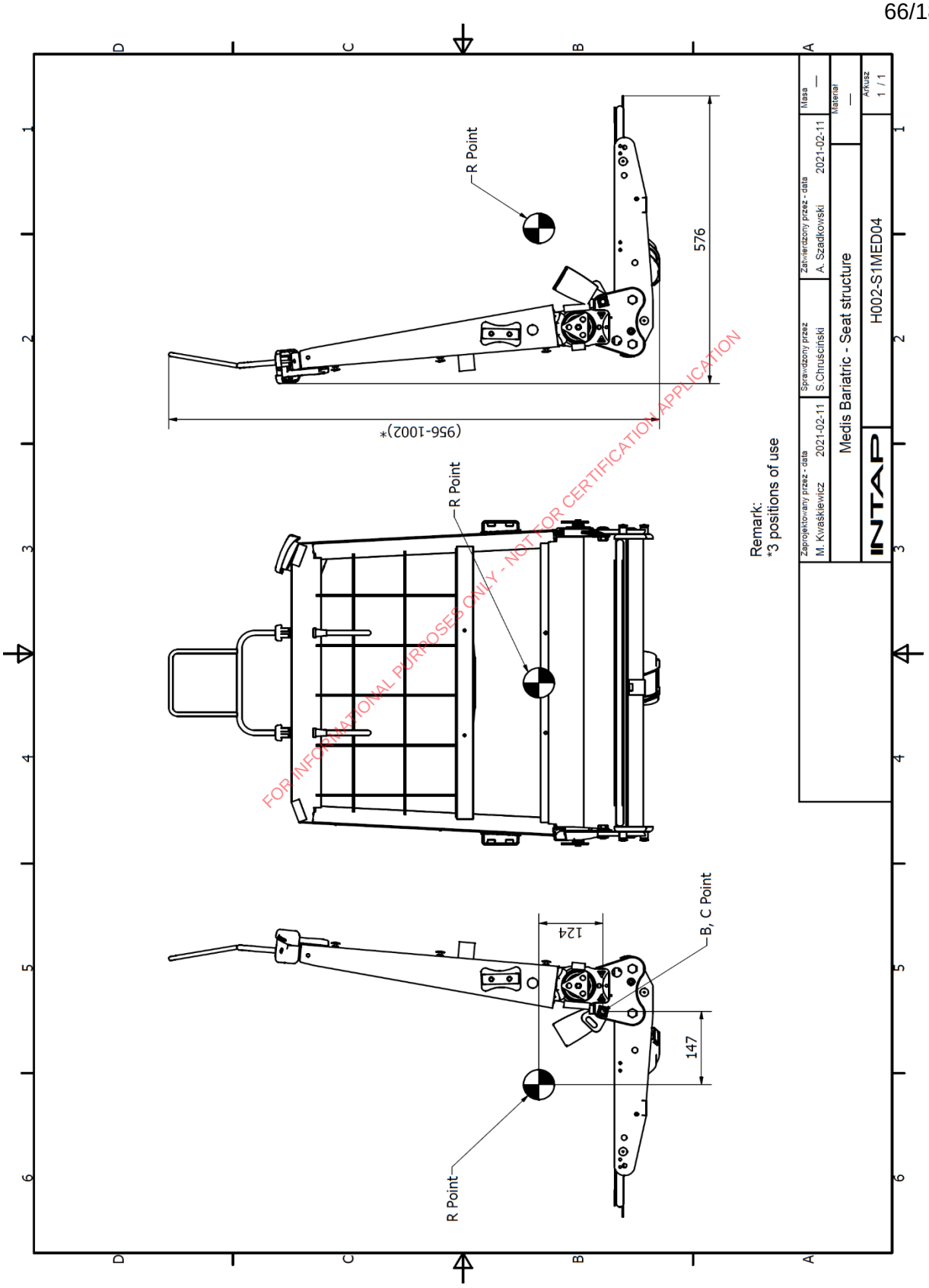
Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis Bariatric - Areas ECE-R17			Materiał —
INTAP	H003-S1MED04		Arkusz 3 / 4

Area 3



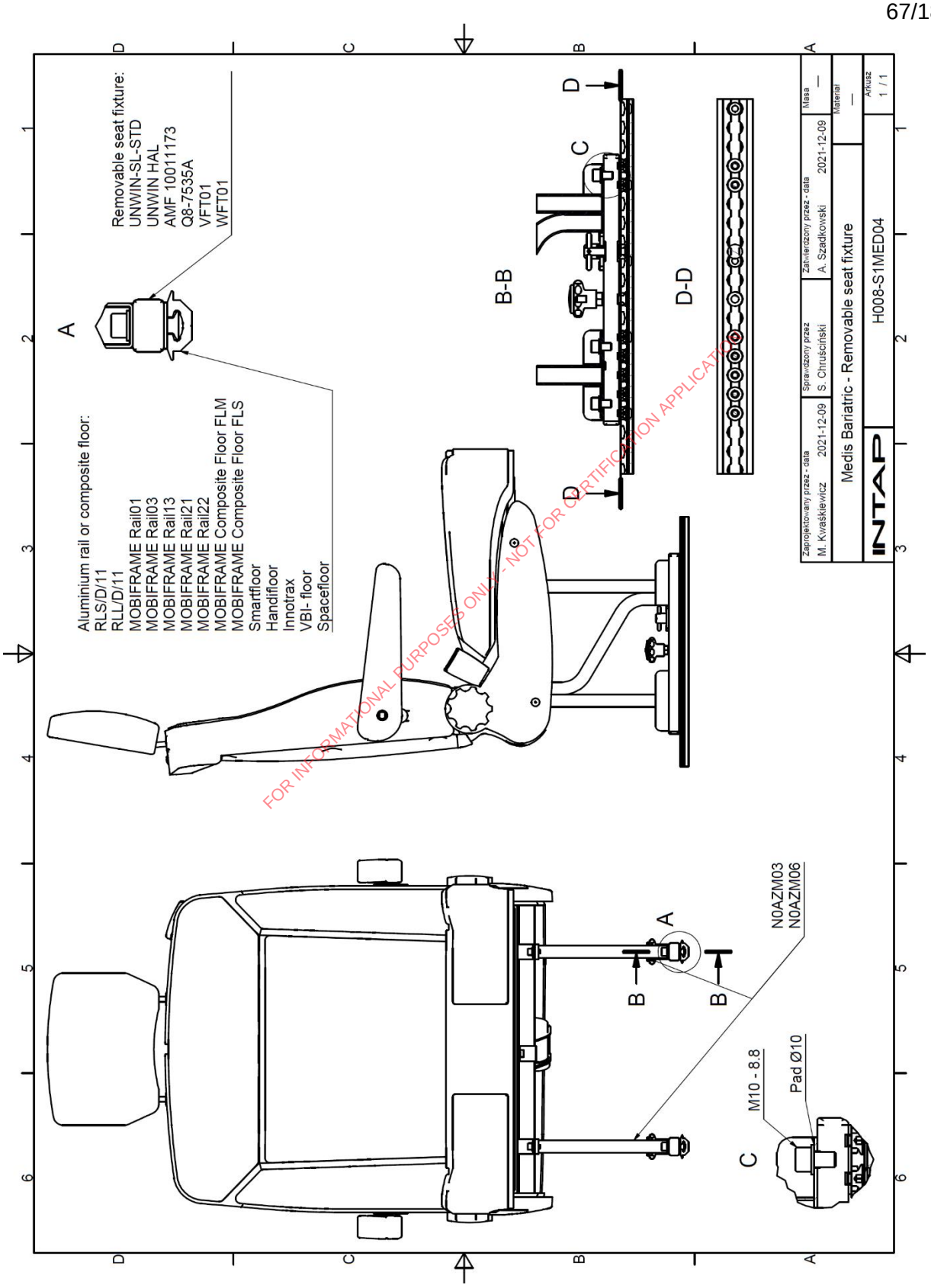
Rear surfaces of the seat in Area 3, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 3,2 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

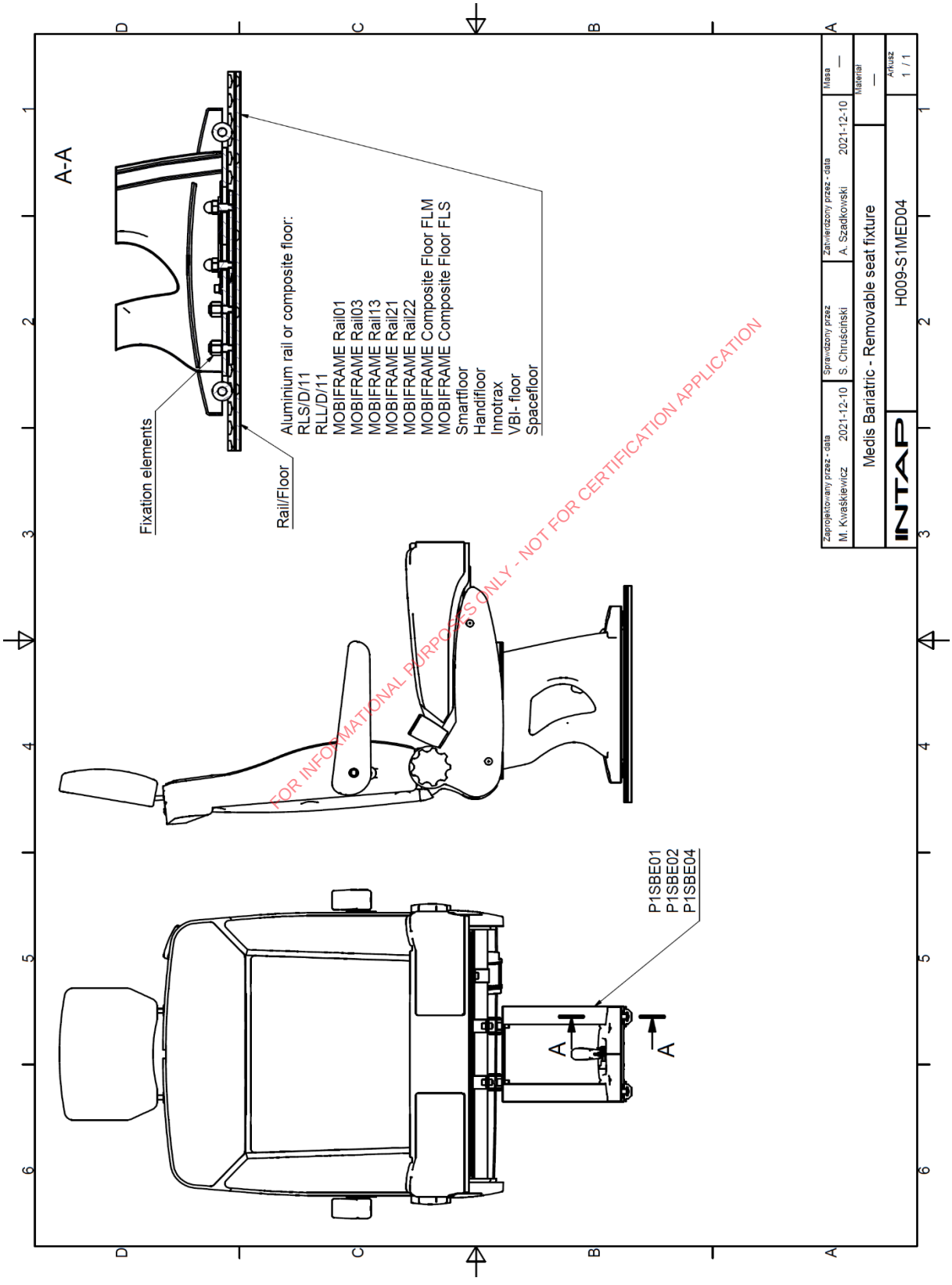
Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis Bariatric - Areas ECE-R17			Materiał —
INTAP	H003-S1MED04		Arkusz 4 / 4


R Point
576
*(956-1002)
R Point
B, C Point
124
147
R Point
Remark:
*3 positions of use
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
M. Kwaśkiewicz 2021-02-11
Sprawdzony przez
S.Chruściński
Zatwierdzony przez - data
A. Szadkowski 2021-02-11
Masa —
Materiał —
Arkusz 1 / 1
Medis Bariatric - Seat structure
INTAP
H002-S1MED04

TÜV SÜD Czech s.r.o.

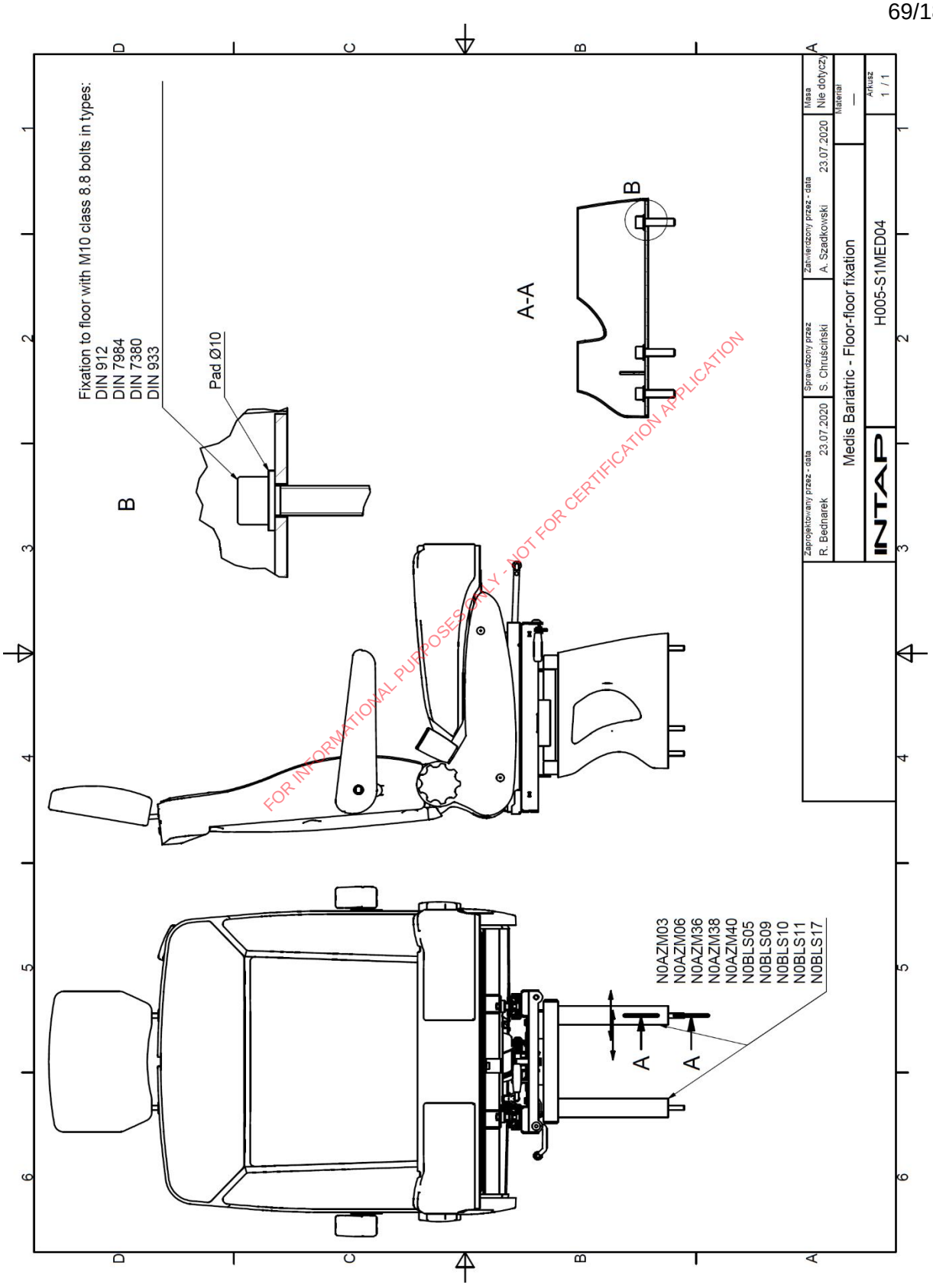
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




A-A
Fixation elements
Rail/Floor
Aluminium rail or composite floor:
RLS/D/11
RLL/D/11
MOBIFRAME Rail01
MOBIFRAME Rail03
MOBIFRAME Rail13
MOBIFRAME Rail21
MOBIFRAME Rail22
MOBIFRAME Composite Floor FLM
MOBIFRAME Composite Floor FLS
Smartfloor
Handifloor
Innotrax
VBI- floor
Spacefloor
P1SBE01
P1SBE02
P1SBE04
A
A
Zaprojektowany przez - data
M. Kwaśkiewicz 2021-12-10
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 2021-12-10
Masa —
Materiał —
Medis Bariatric - Removable seat fixture
INTAP
H009-S1MED04
Arkusz 1 / 1
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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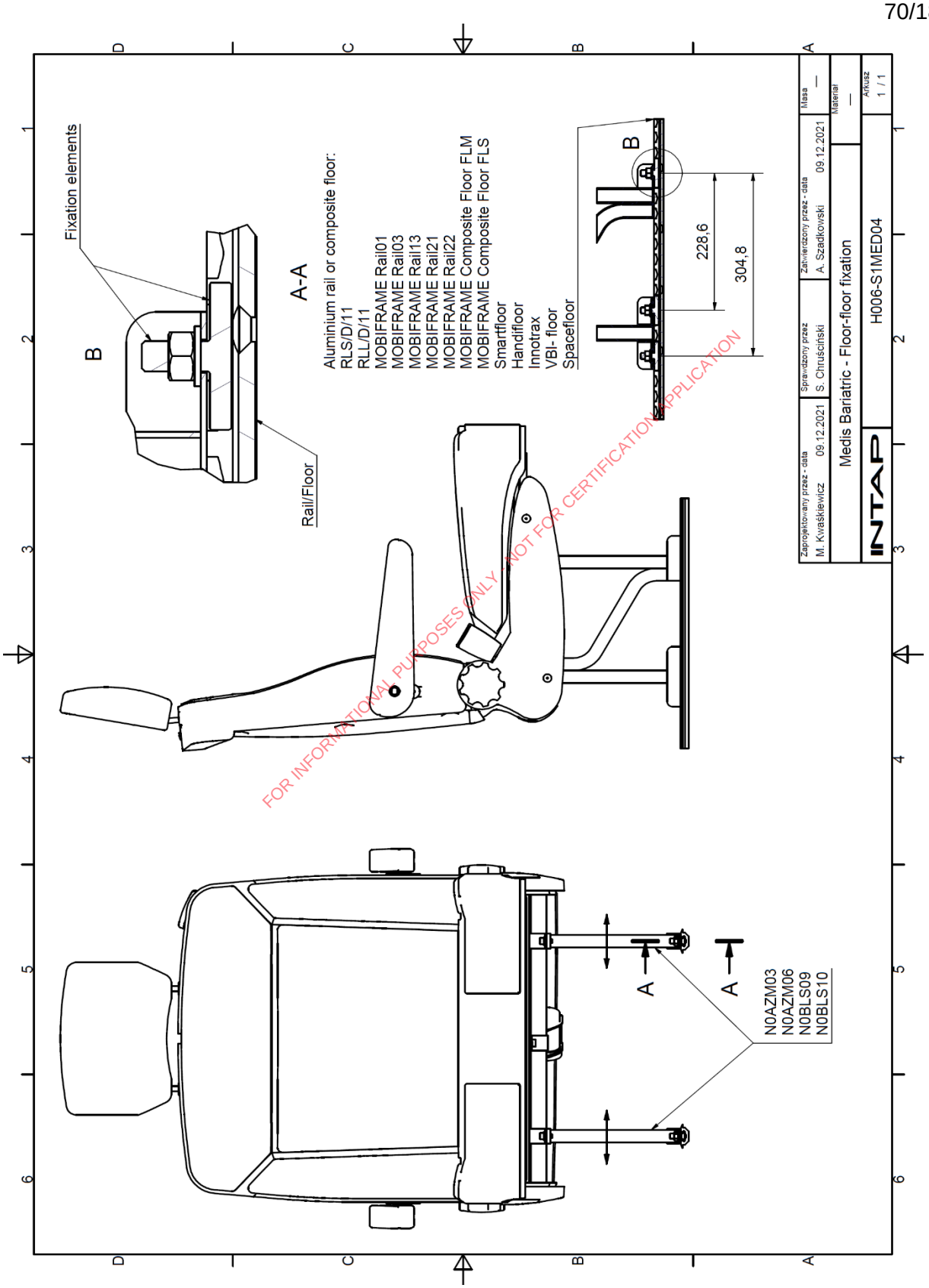
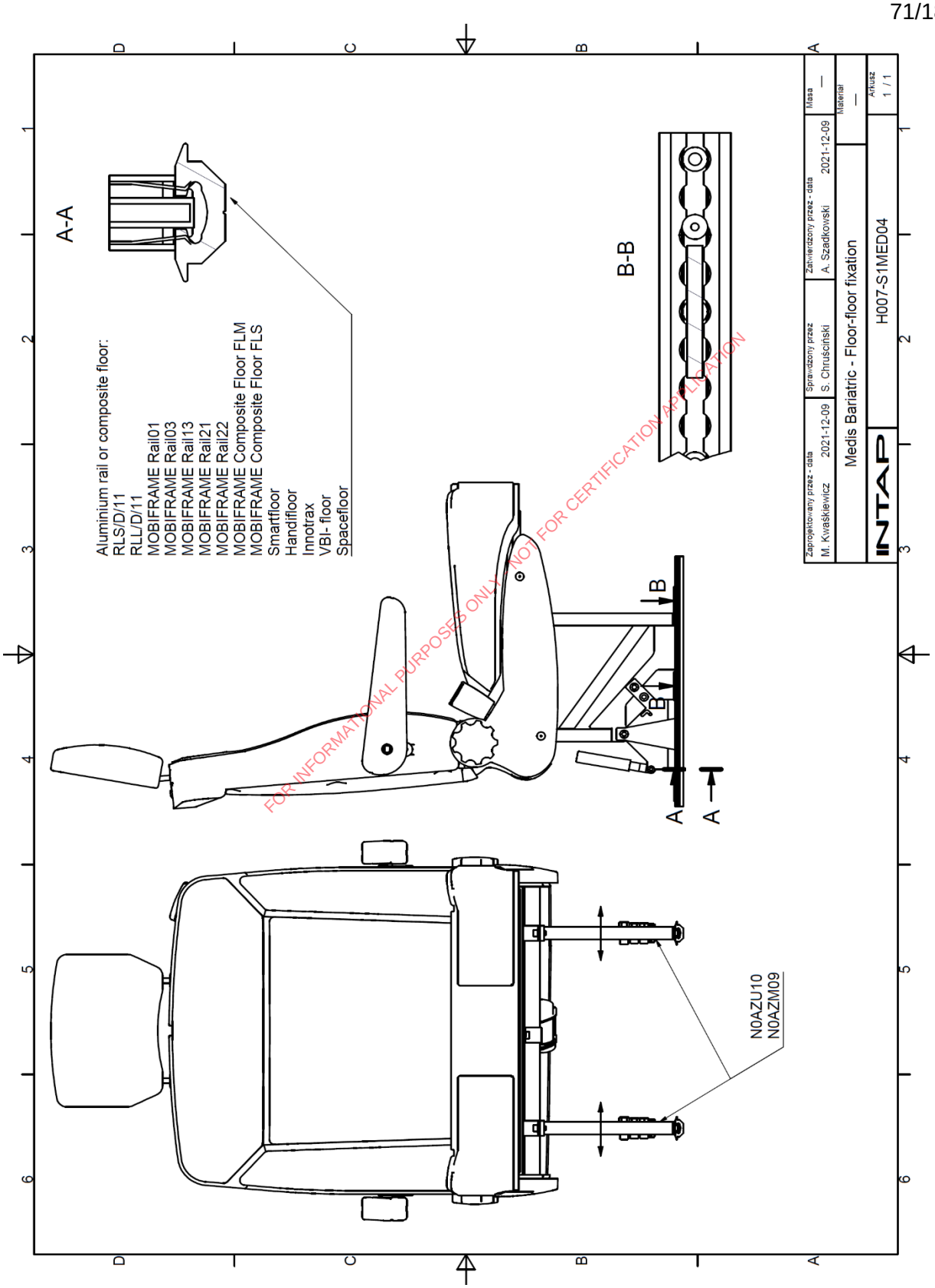
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

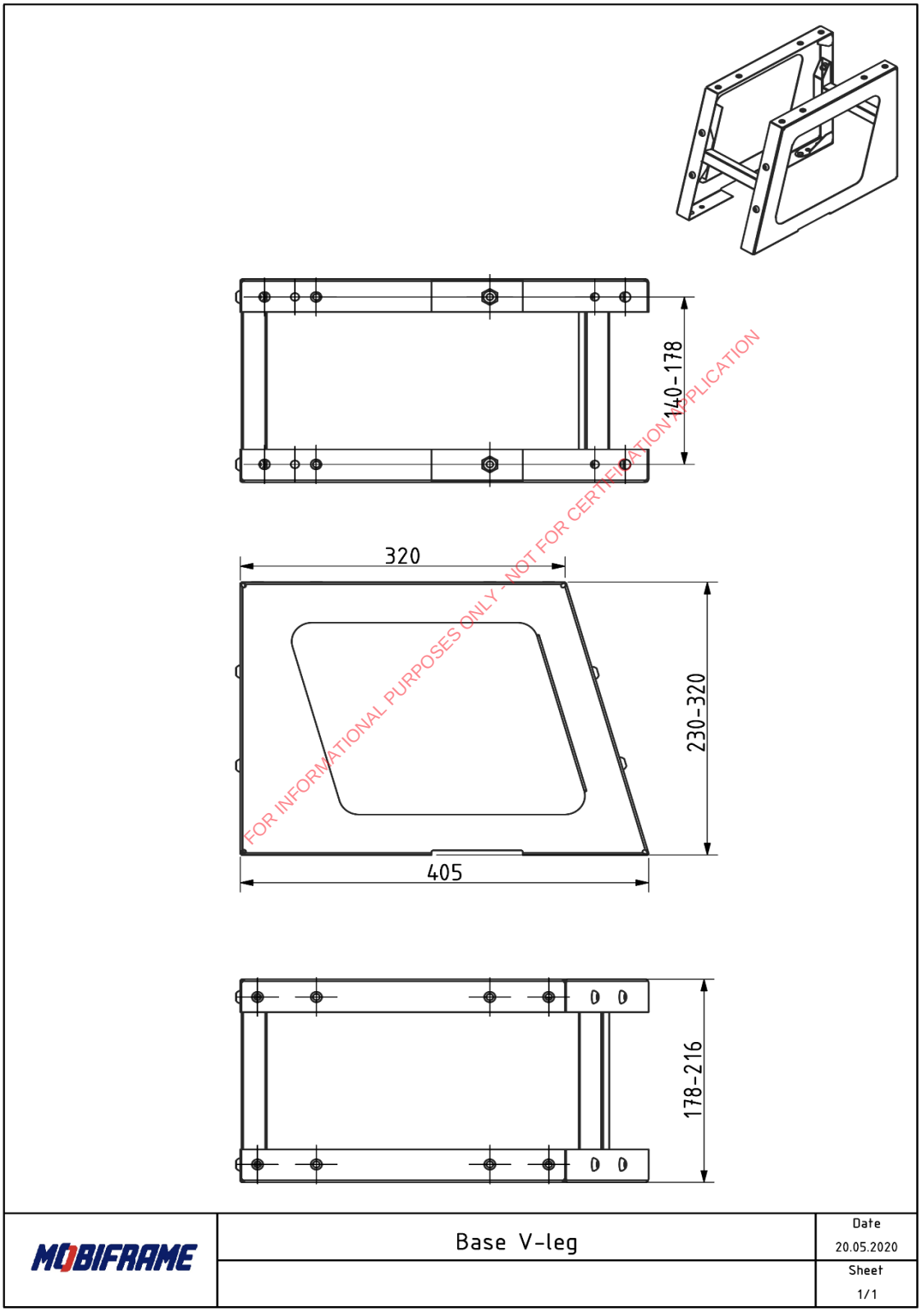
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TAB 1. Configuration of rails with fixation elements		
Rail	**Rear fixation**	**Front fixation**
UNWIN RLS, RLL, MOBIFRAME Composite Floor FLS / FLM, MOBIFRAME Rail01 MOBIFRAME Rail21 MOBIFRAME Rail22	TMI TMI-17 TMDS LCK-04 LCK-06	TMI TMI-17 LCK-04 LCK-06
MOBIFRAME Rail03 or MOBIFRAME Rail13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13

TAB 2. Configuration of bolt/nut size with fixation elements	
TMI	M8
TMI - 17	M10
TMDS	M8
OKBeeBLOCK 03 / BLK-03 OKBeeBLOCK 13 / BLK-013	M10
LCK-04 LCK-05	M8

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
Ł.Dumka - 13.03.2020	S. Chruściński	A. Szadkowski - 13.03.2020	-
fixation elements			Materiał -
INTAP	H019 - TAB. 1 / TAB. 2		1 z 1


140–178
320
230–320
405
178–216
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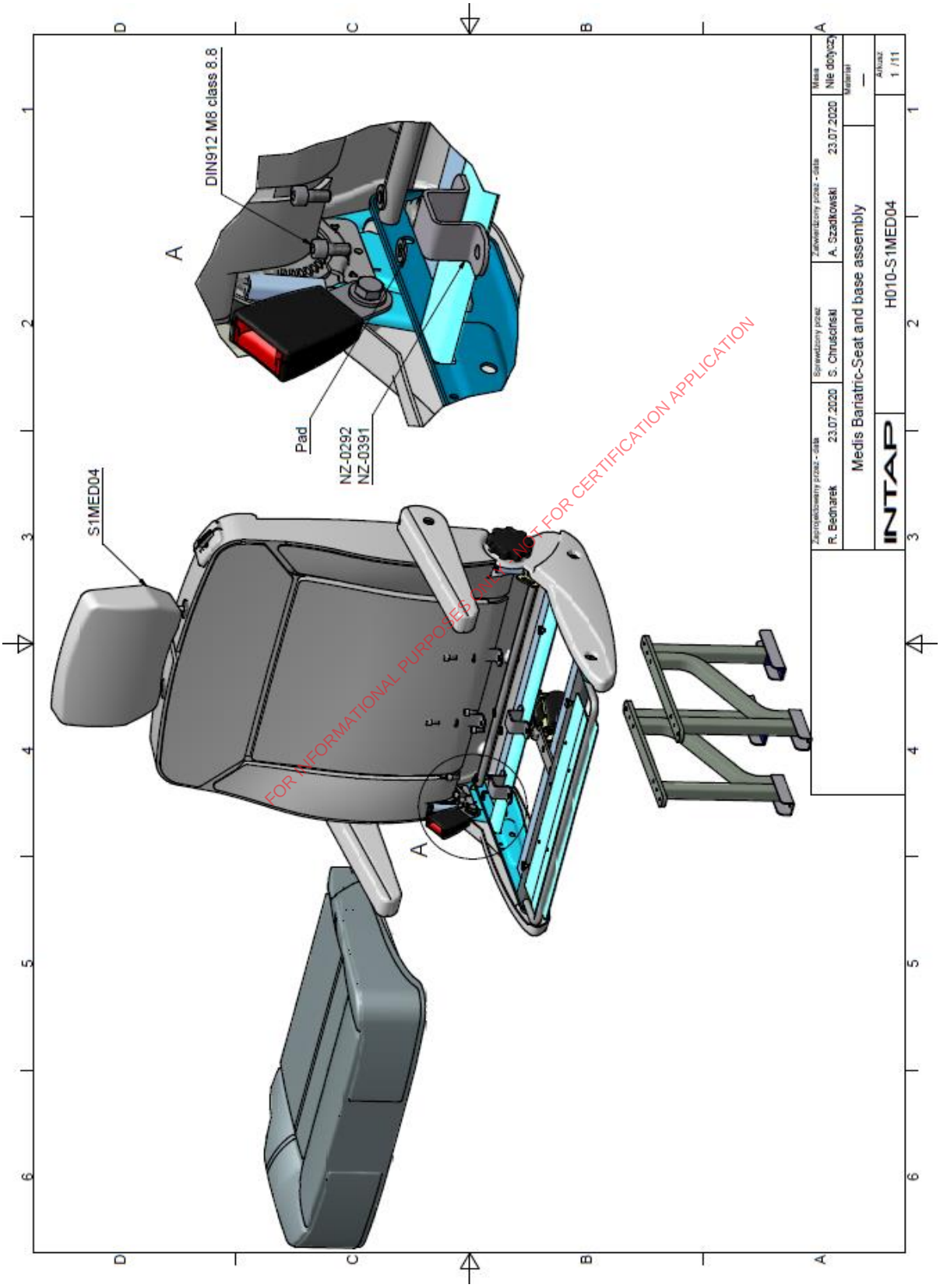
MOBIFRAME
Base V-leg
Date
20.05.2020
Sheet
1/1


DIN912 M8 class 8.8
A
Pad
NZ-0292
NZ-0391
S1MED04
A
Medis Bariatric-Seat and base assembly
INTAP
H010-S1MED04
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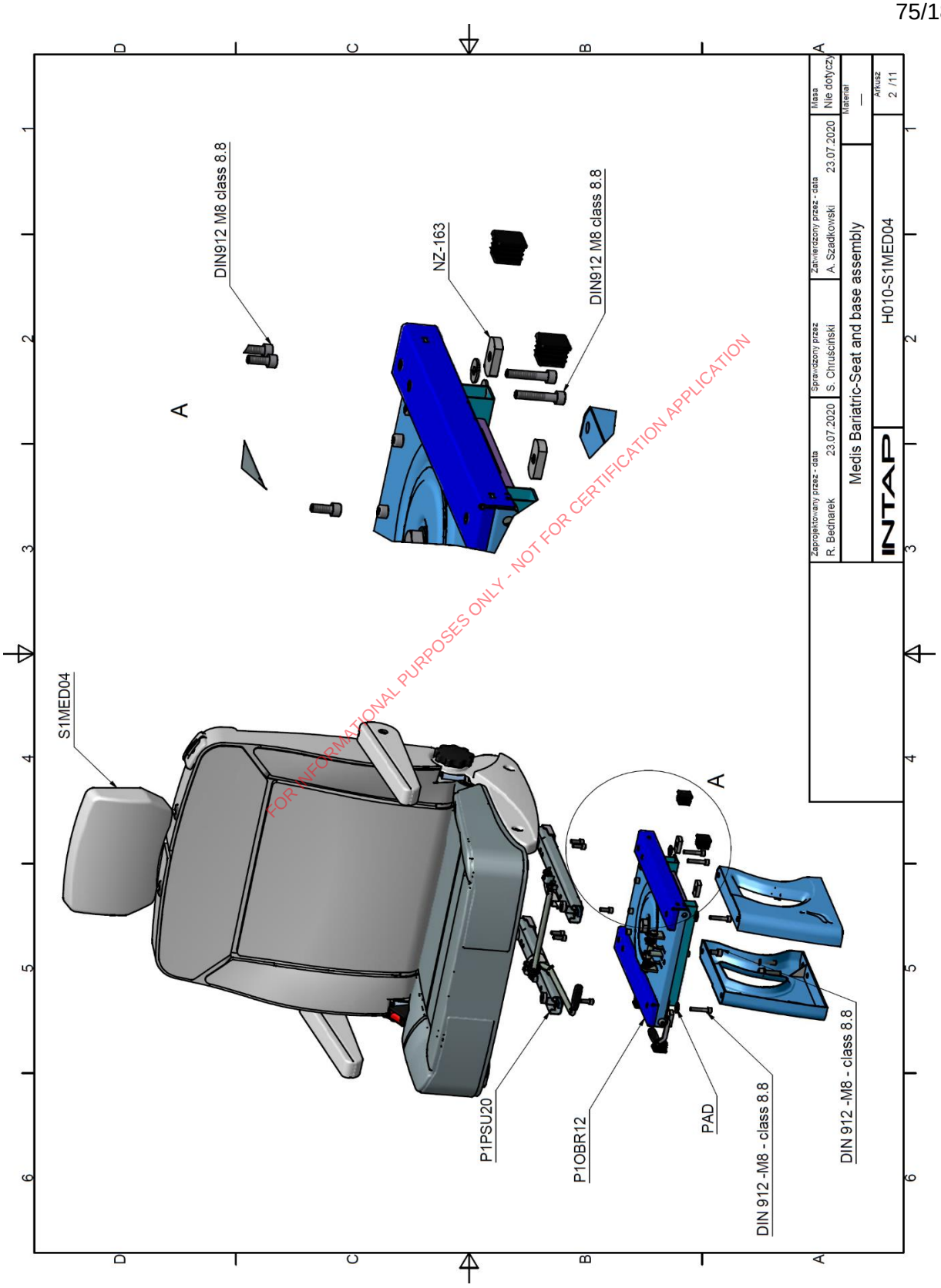
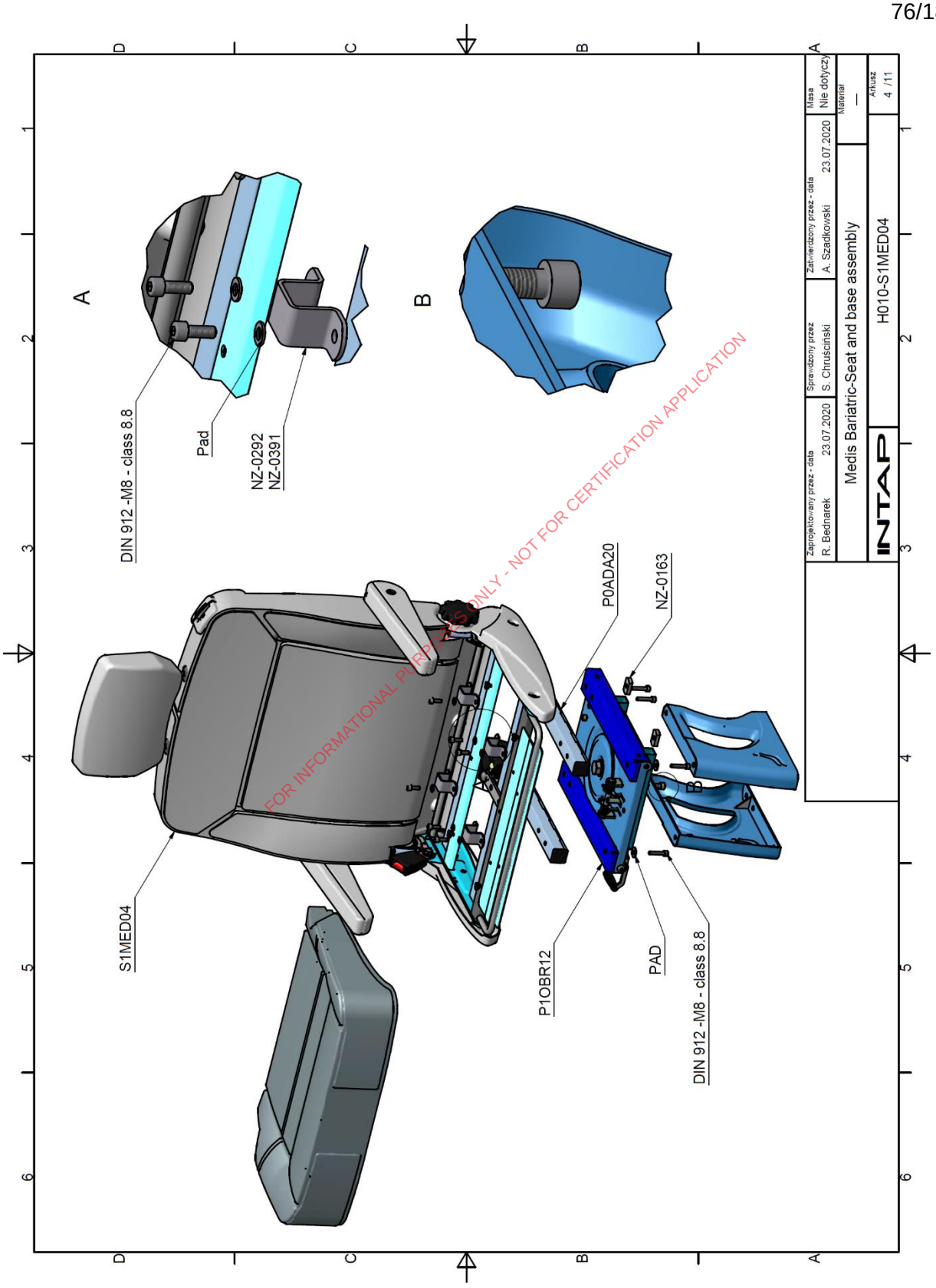
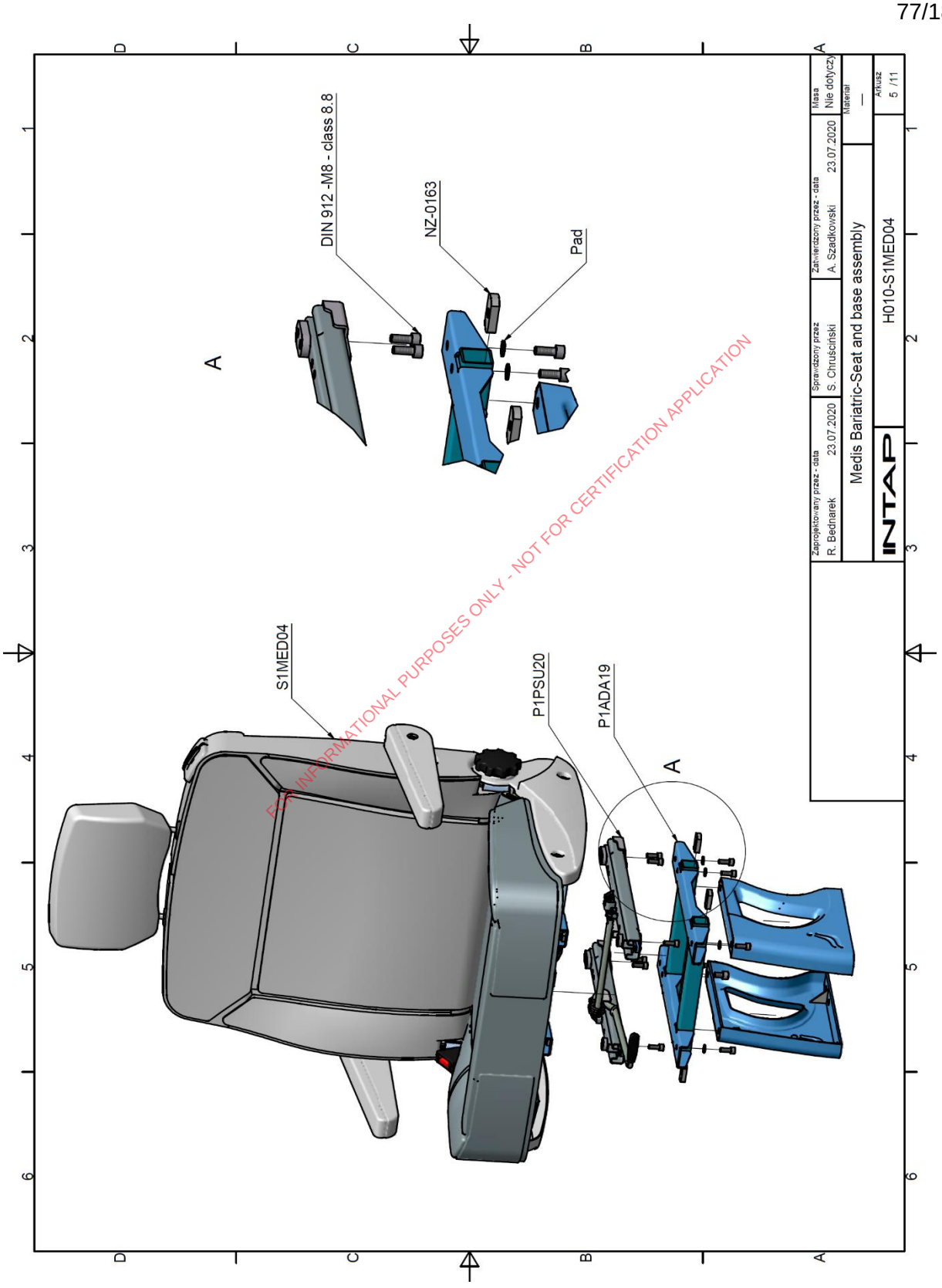
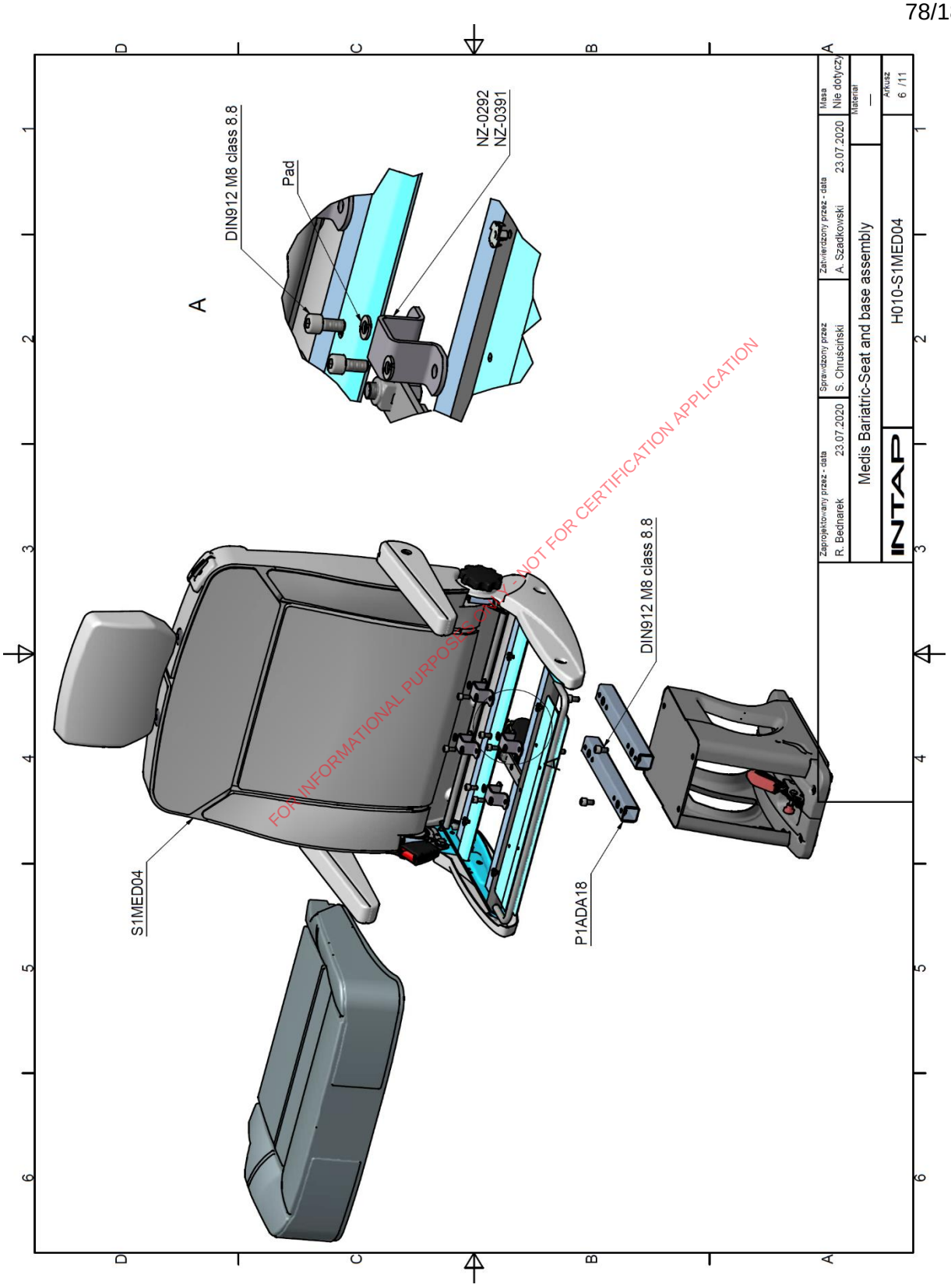
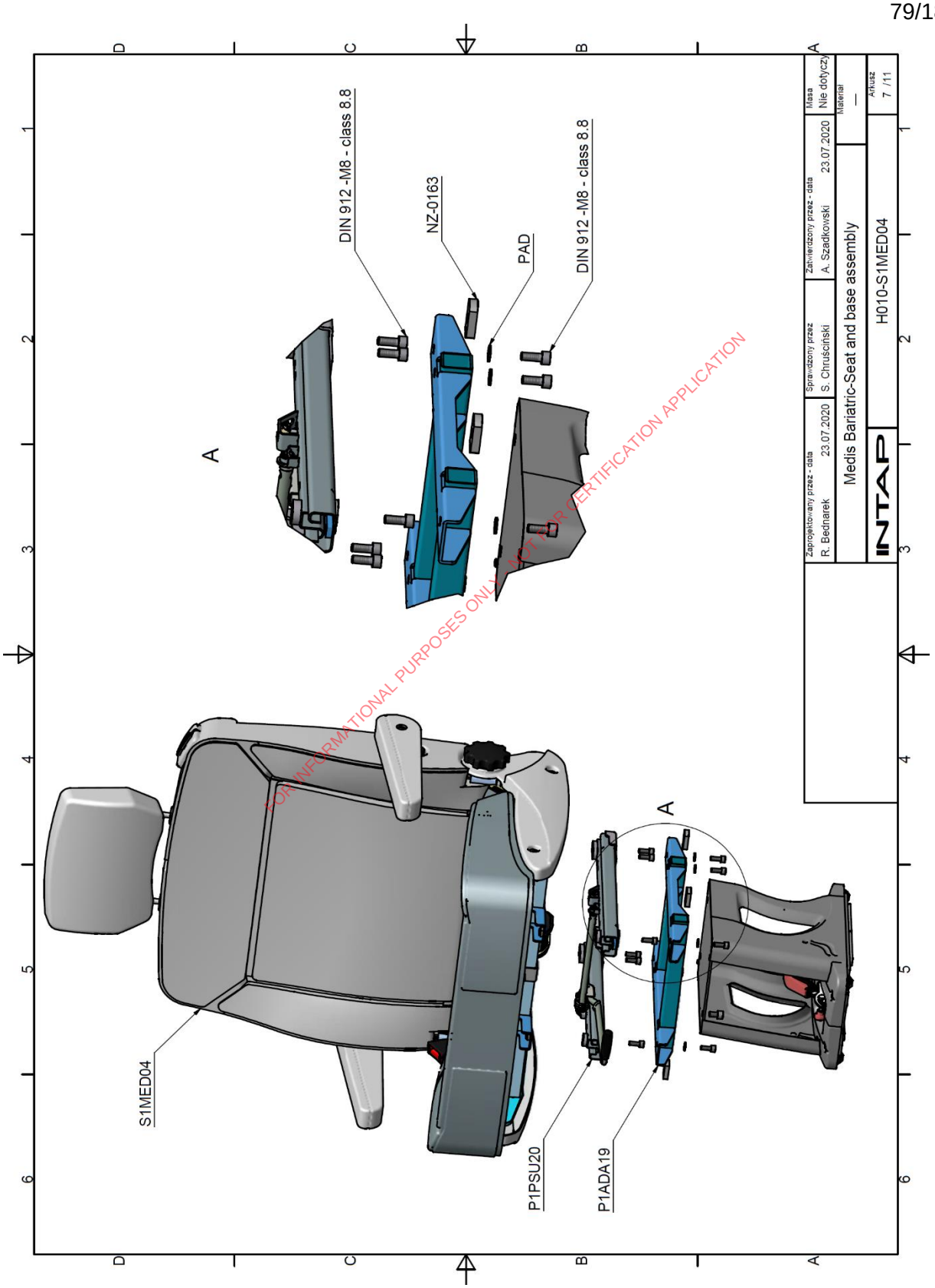
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




A
B
DIN 912 -M8 - class 8.8
Pad
NZ-0292
NZ-0391
P0ADA20
NZ-0163
S1MED04
P1OBR12
PAD
DIN 912 -M8 - class 8.8
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
4 /11
Medis Bariatric-Seat and base assembly
INTAP
H010-S1MED04

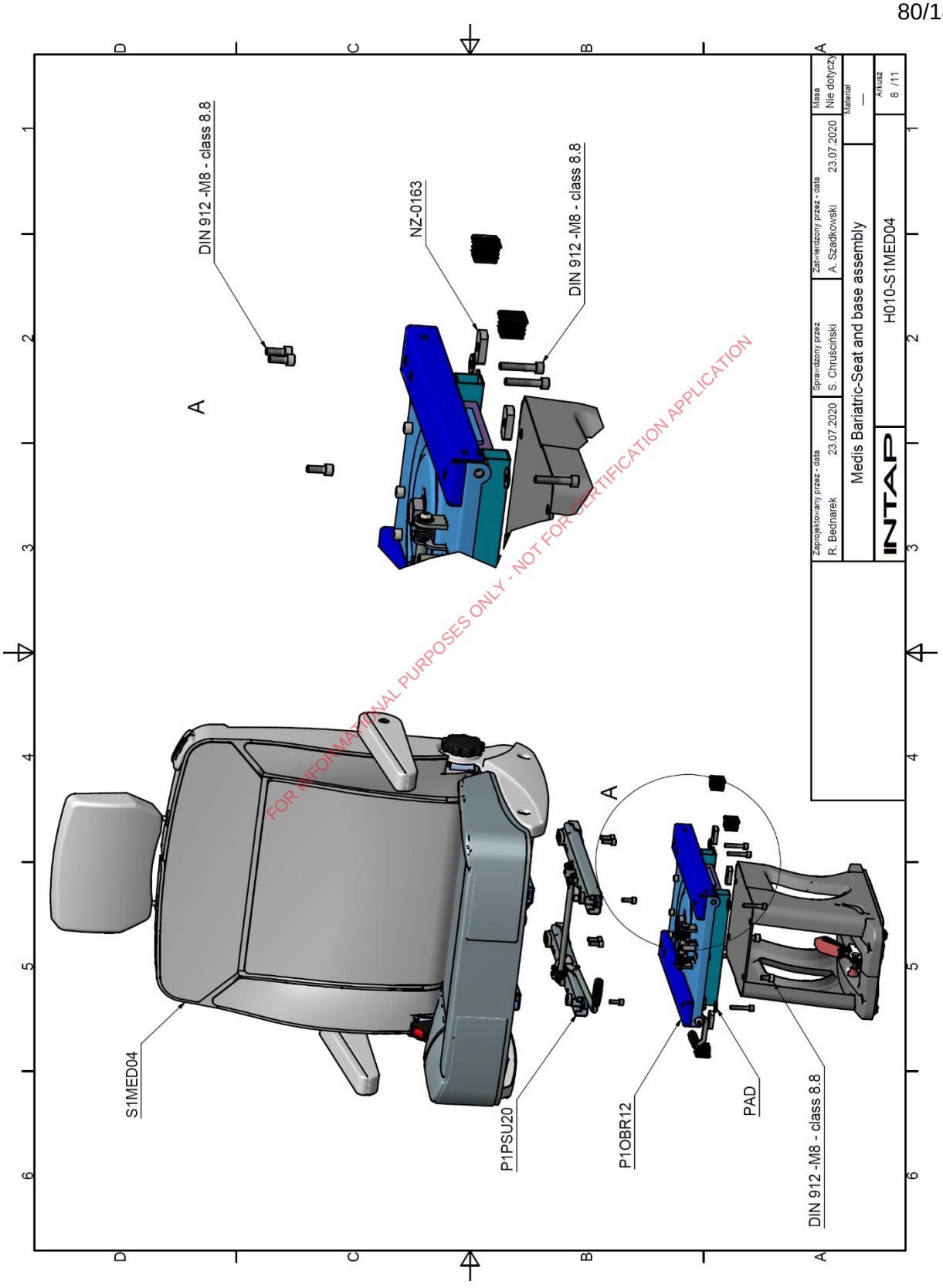



DIN912 M8 class 8.8
Pad
NZ-0292
NZ-0391
S1MED04
DIN912 M8 class 8.8
P1ADA18
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Medis Bariatric-Seat and base assembly
INTAP
H010-S1MED04
Arkusz
6 /11


DIN 912 -M8 - class 8.8
NZ-0163
PAD
DIN 912 -M8 - class 8.8
A
S1MED04
P1PSU20
P1ADA19
A
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
7 /11
Medis Bariatric-Seat and base assembly
INTAP
H010-S1MED04
FOR INFORMATIONAL PURPOSES ONLY, NOT FOR CERTIFICATION APPLICATION

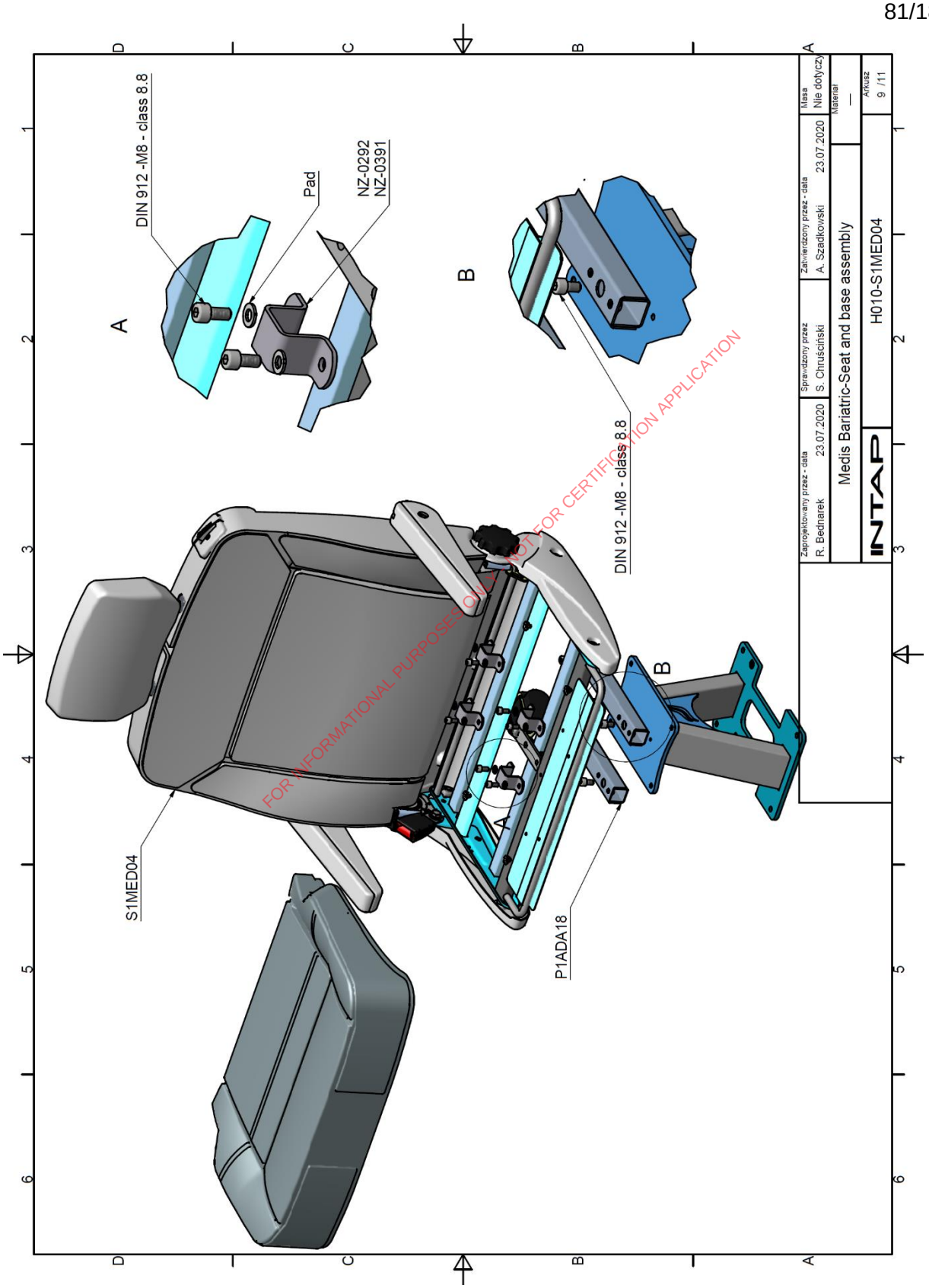
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
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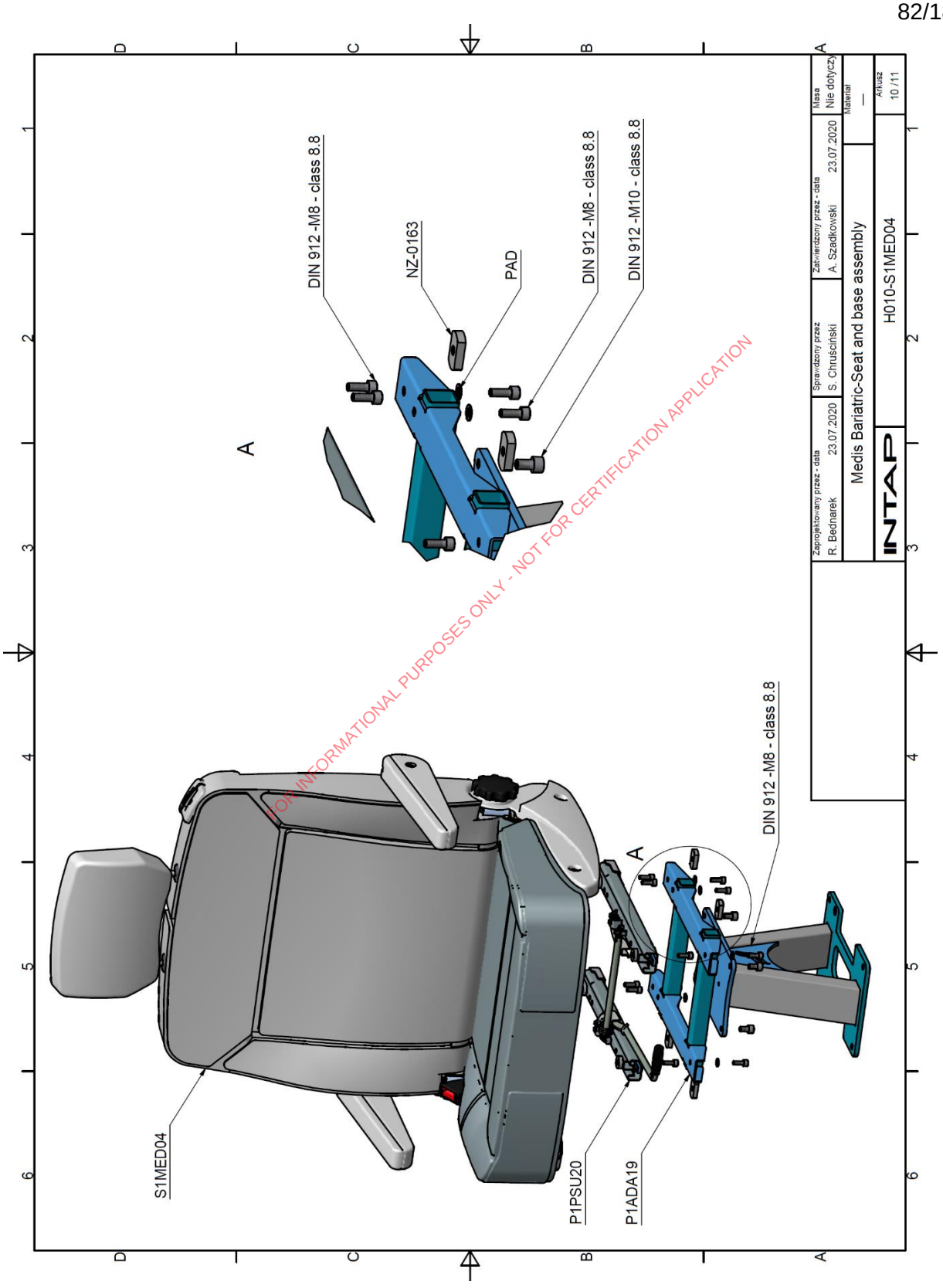
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



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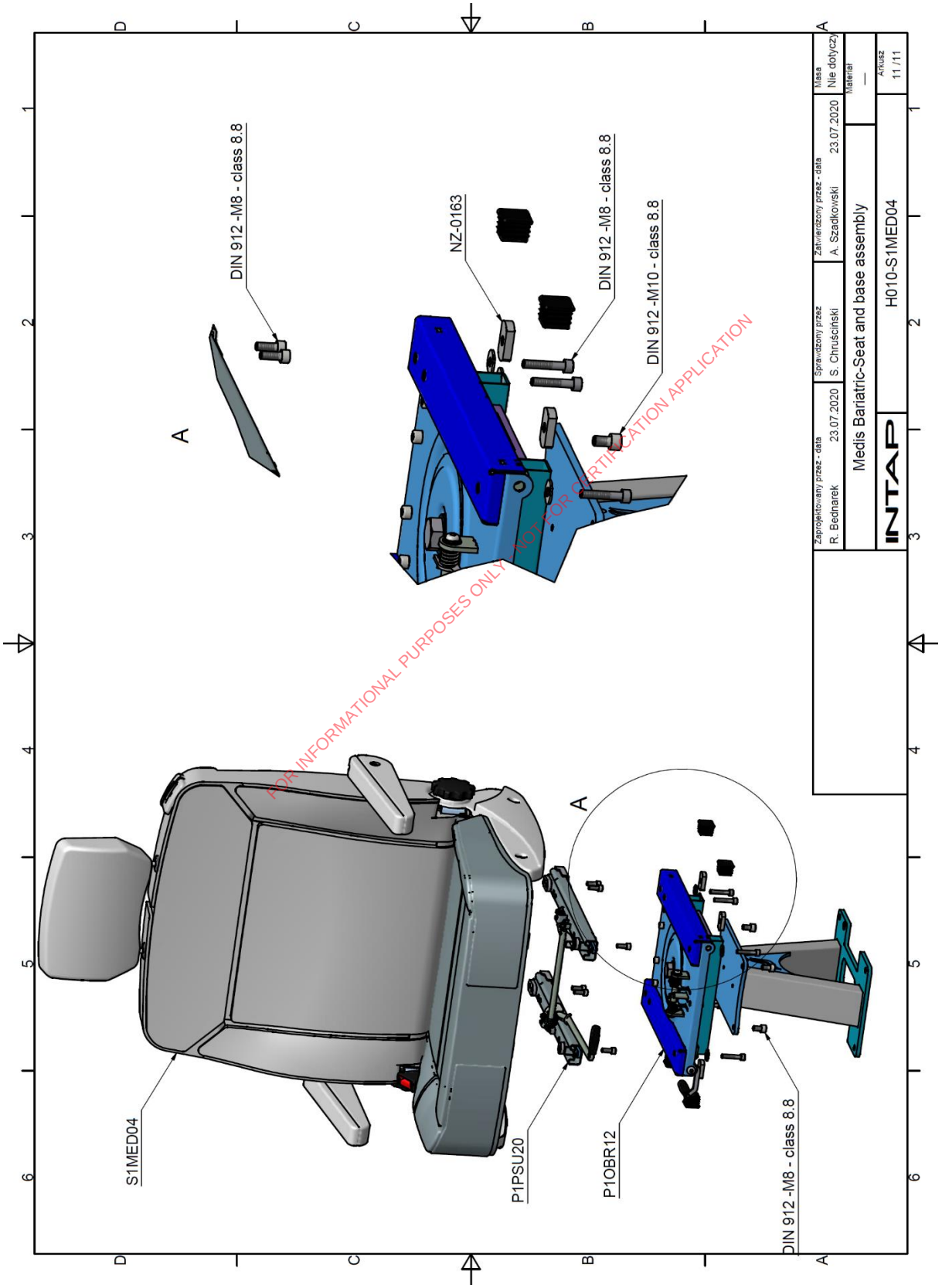
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
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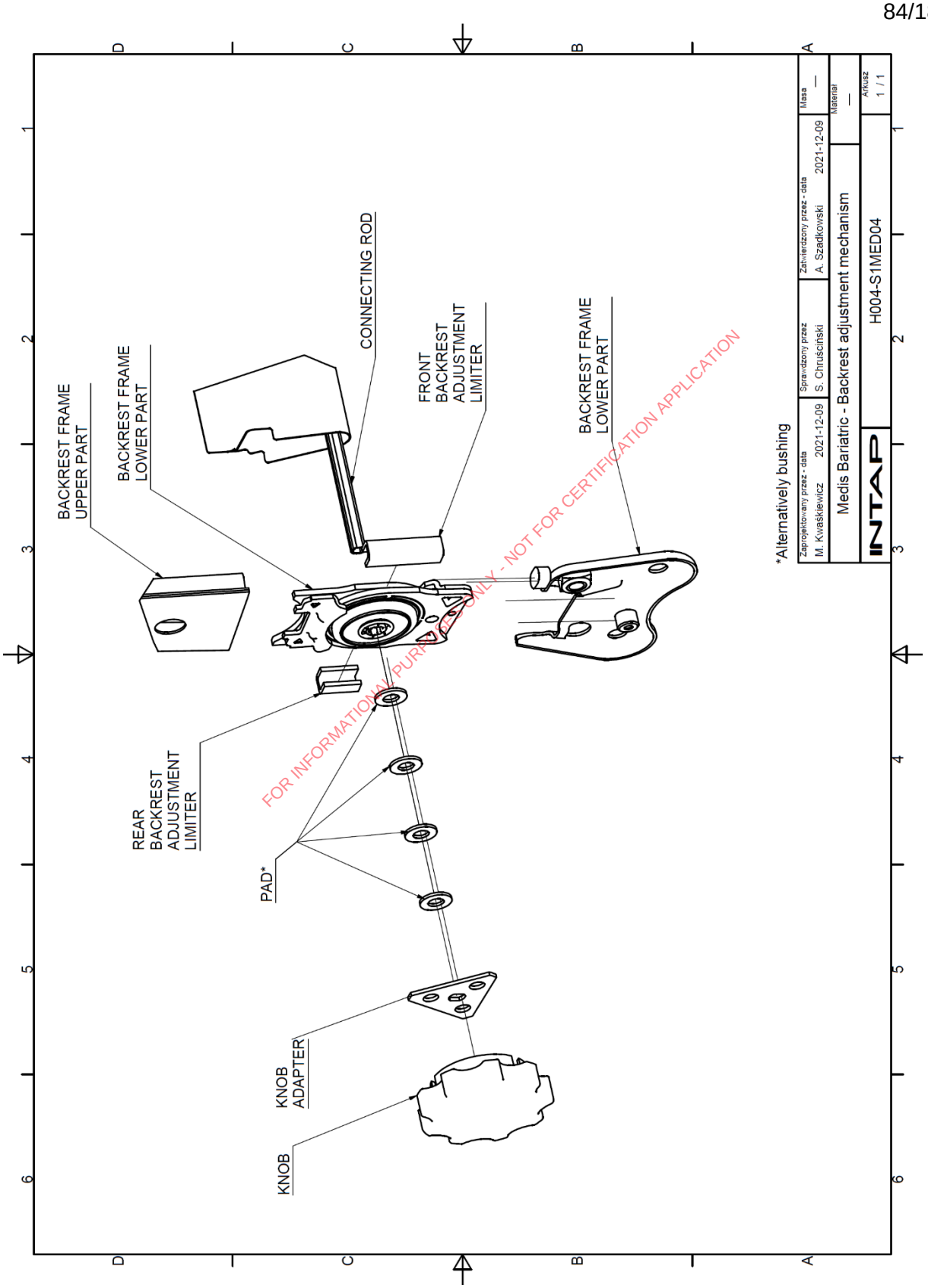
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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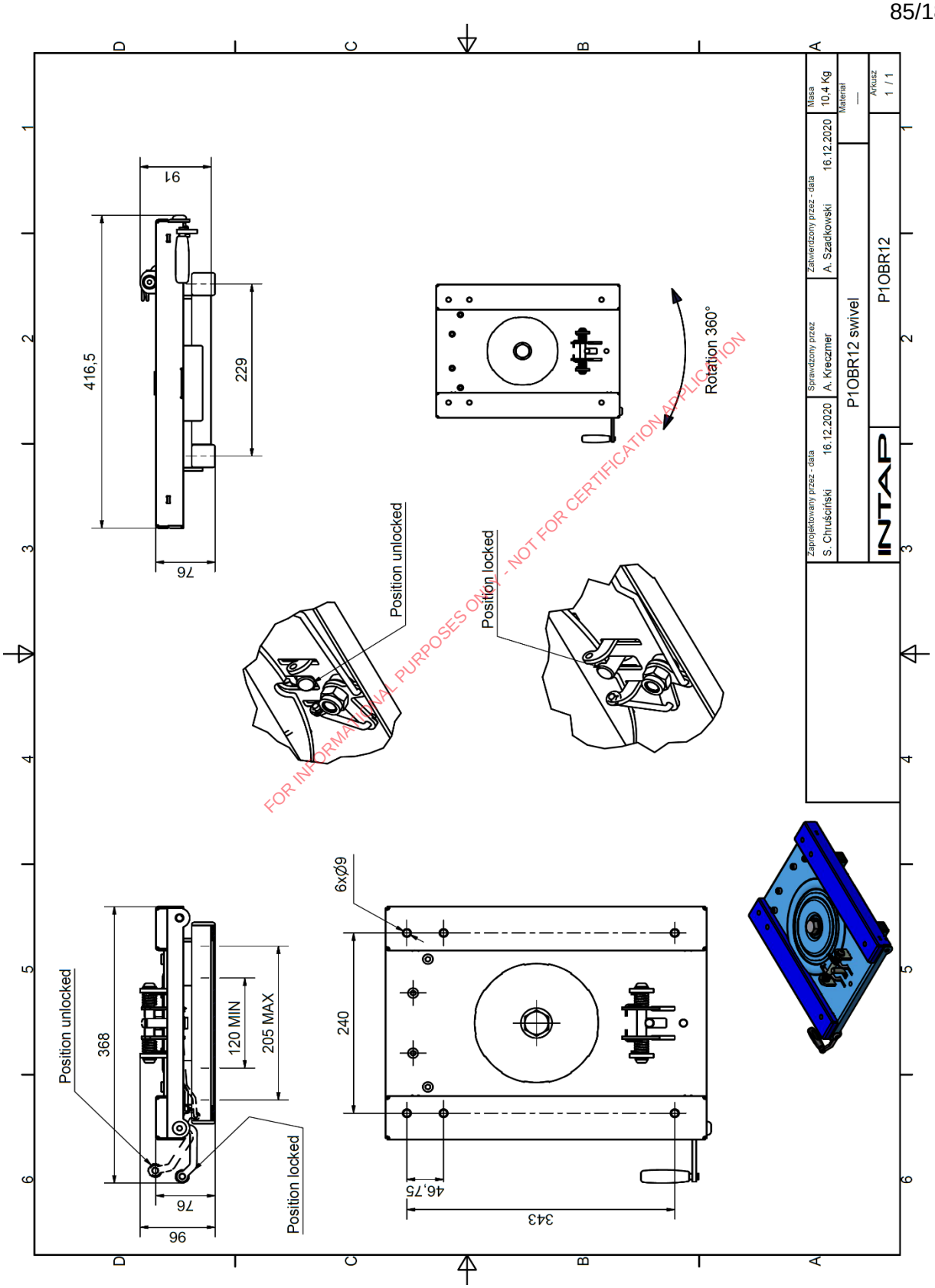
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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Test method:	ECE Regulation No. 17.09
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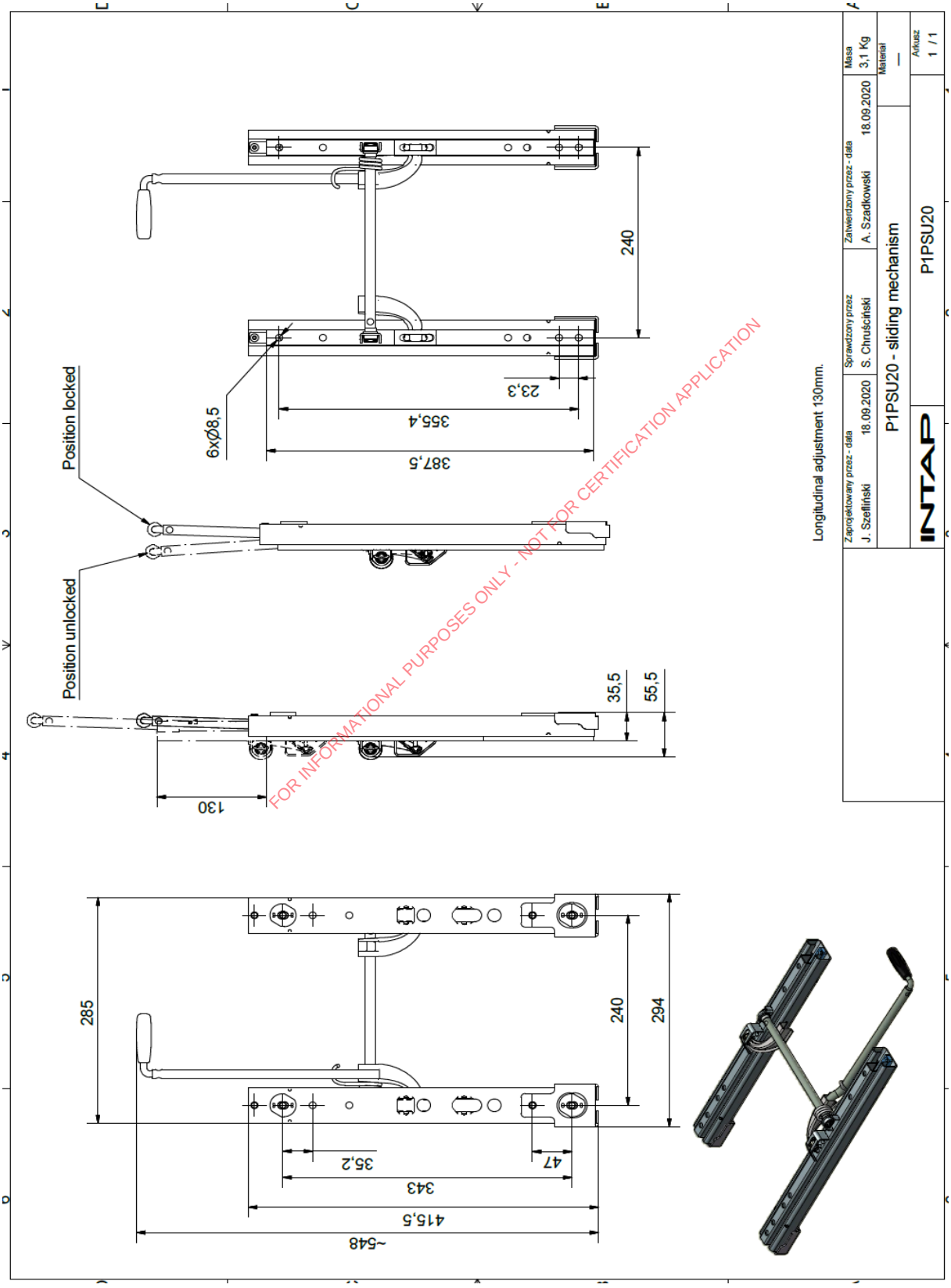
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



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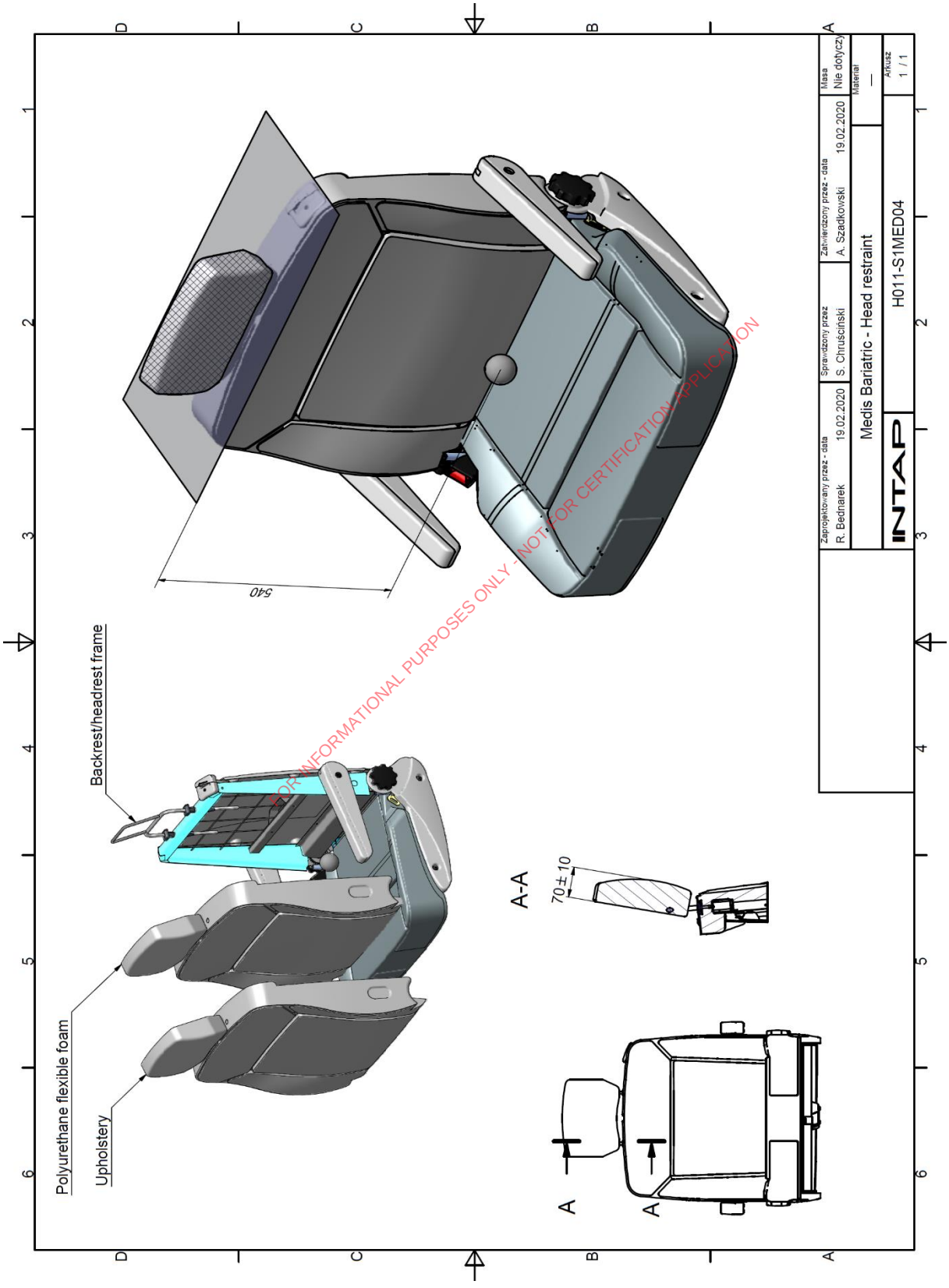
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



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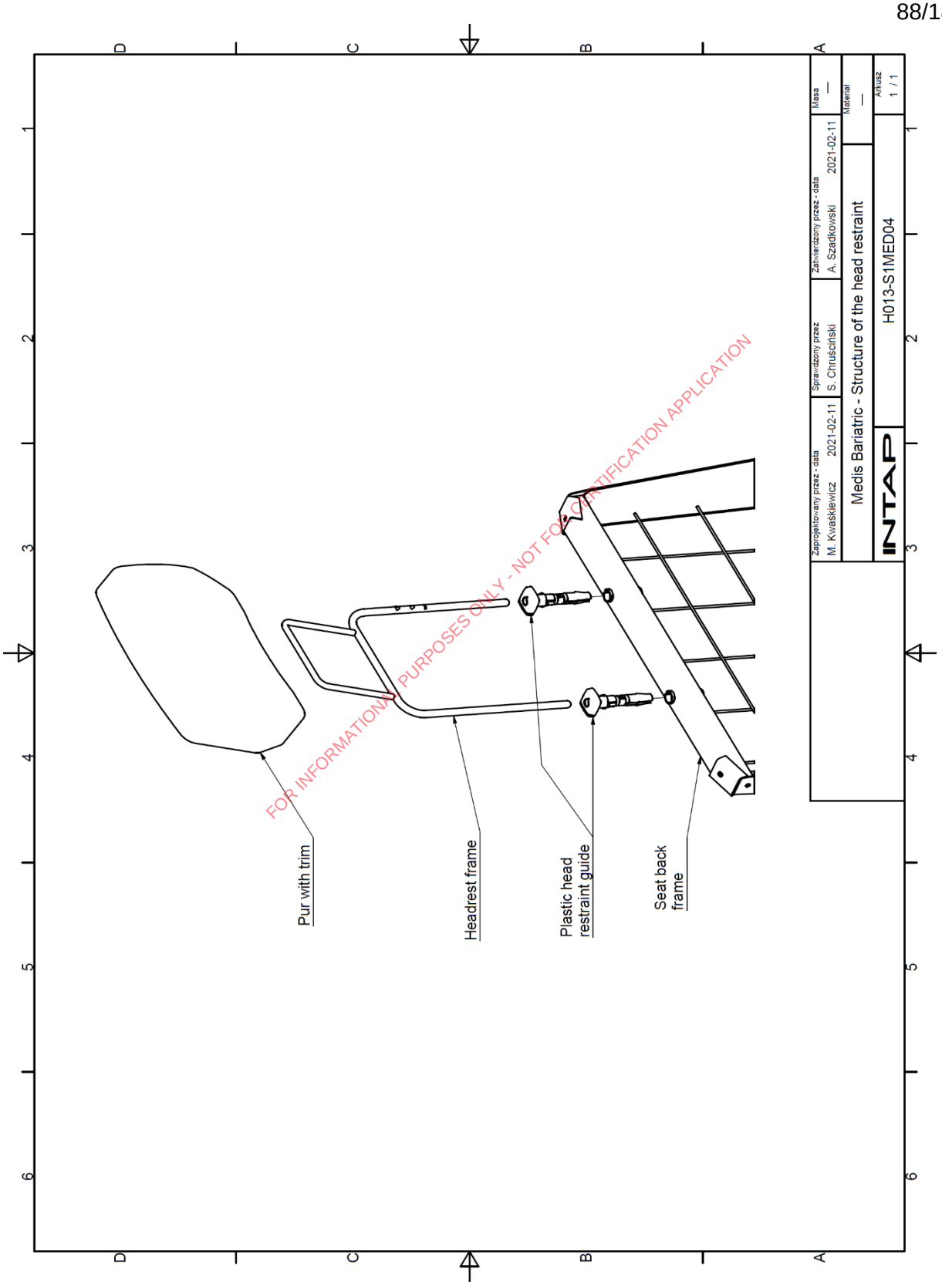
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



Drawings: Seat S1MED05

Medis HB

S1MED05

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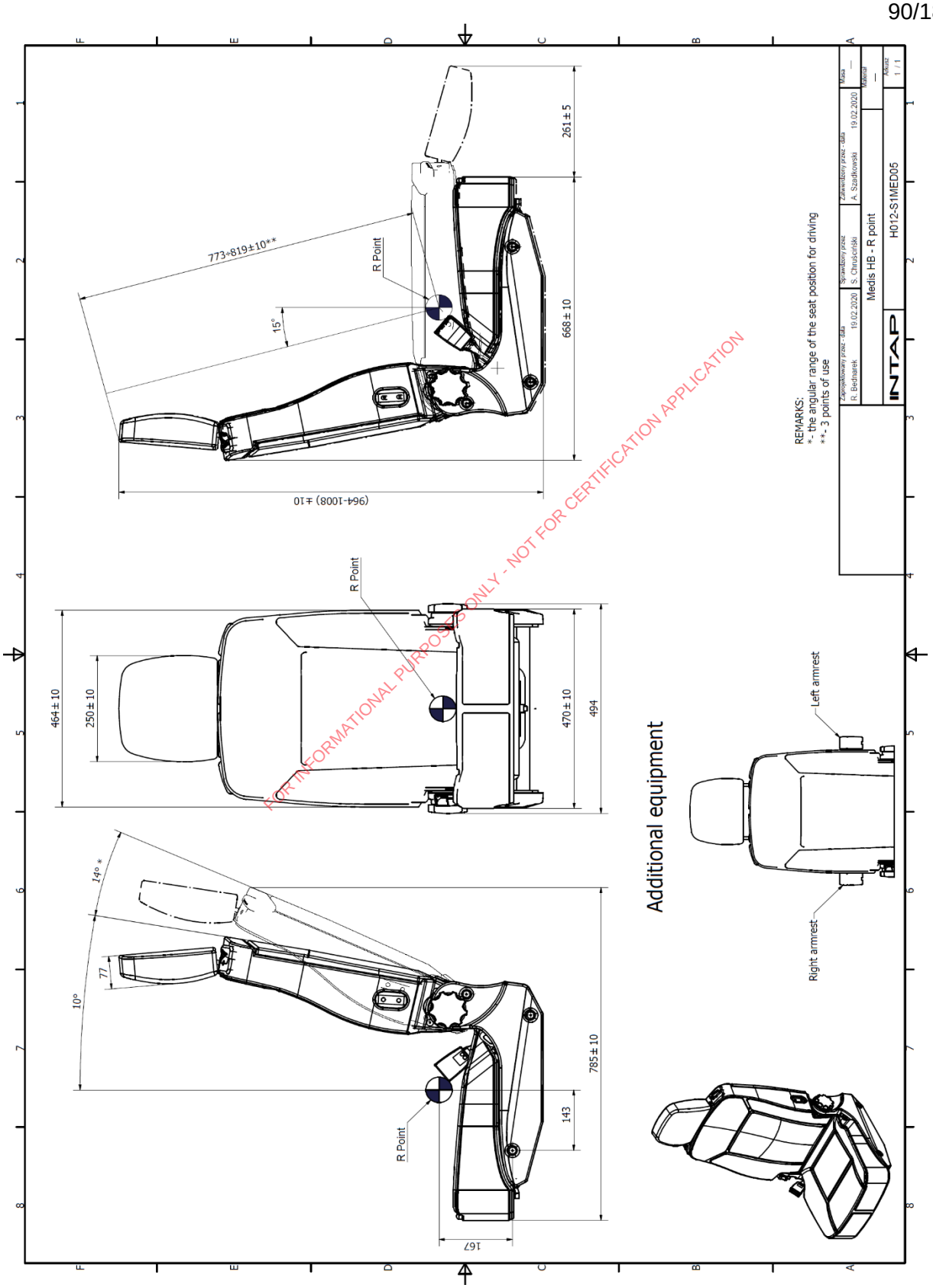
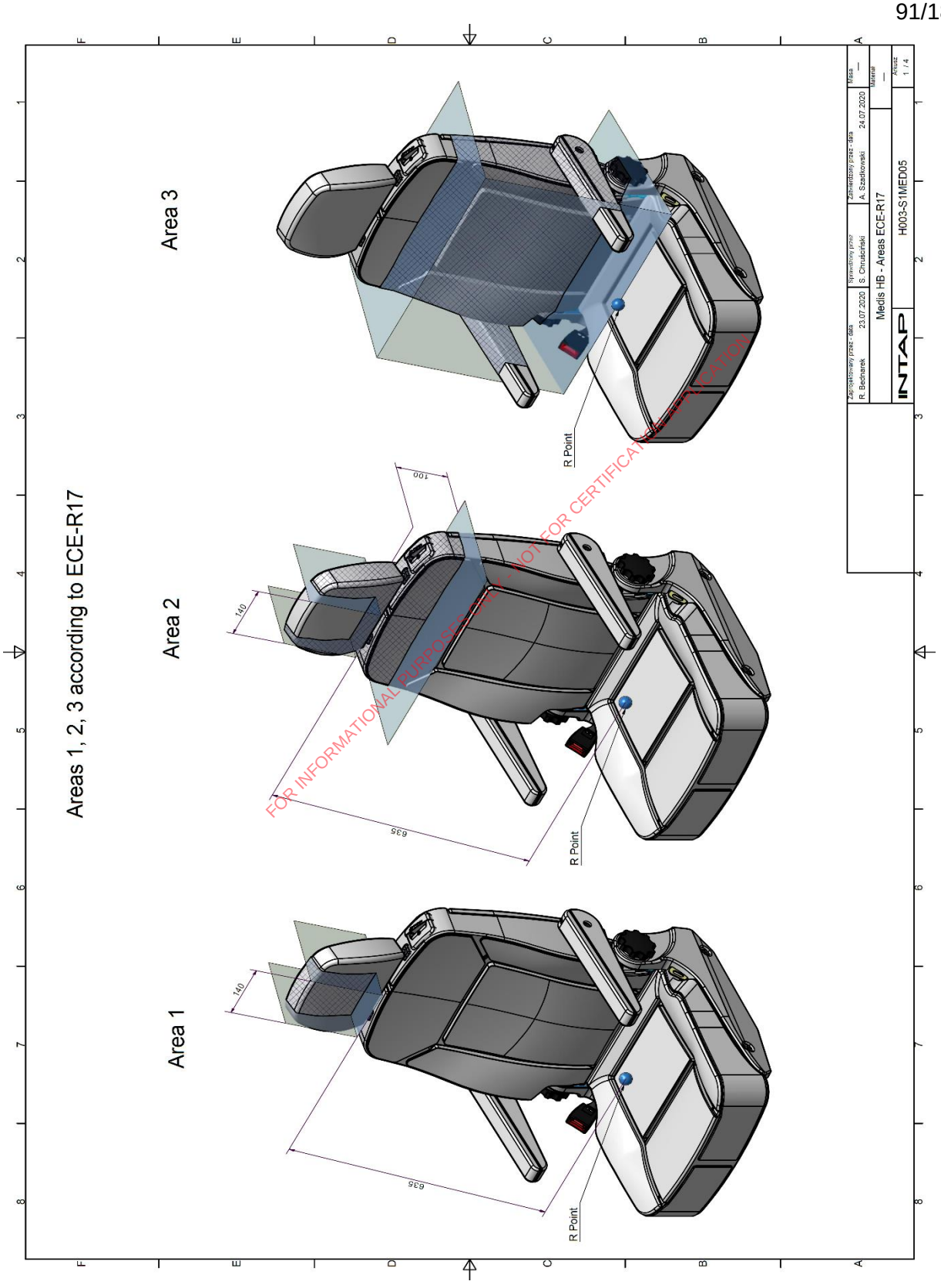
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

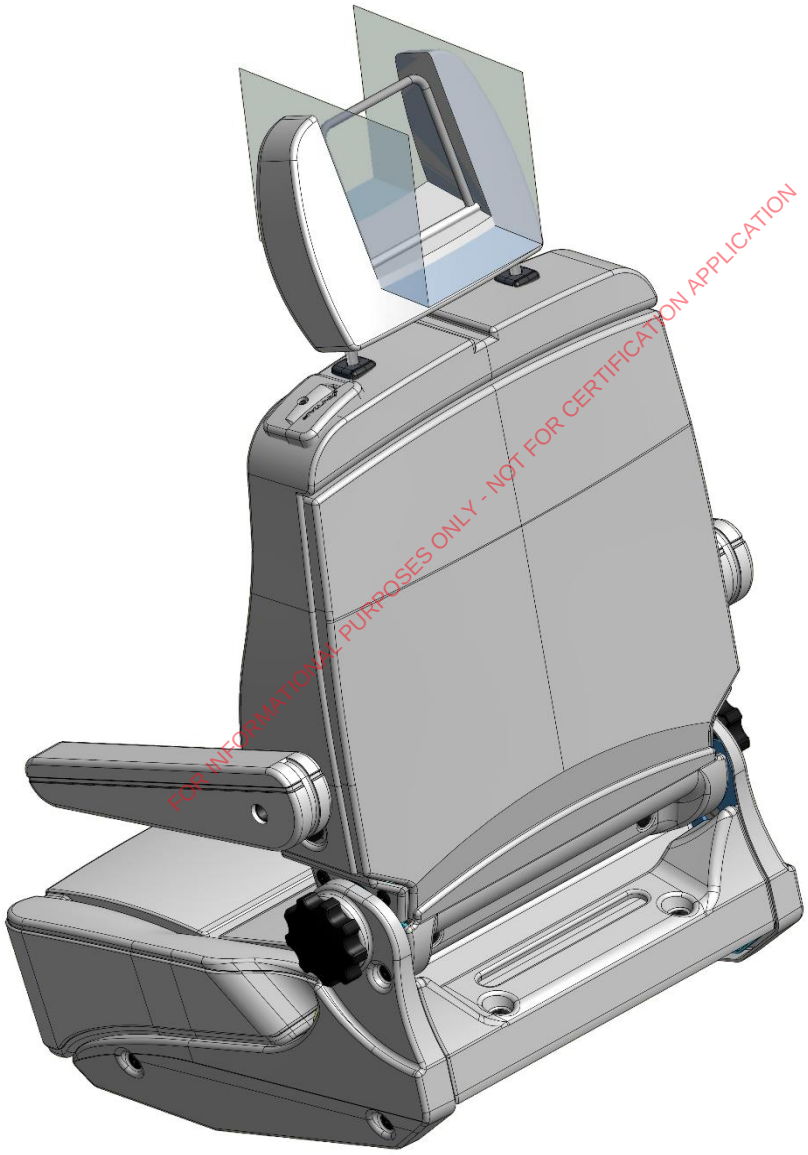


TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



Area 1:



REMARKS:
1. Rear surfaces of the seat in Area 1, which can be contacted by 165 mm diametersphere, are exhibiting radii of curvature not less than 2,5 mm.

Zaprojektowany przez - data R. Bednarek 23.07.2020	Sprawdzony przez S. Chruściński	Zatwierdzony przez - data A. Szadkowski 24.07.2020	Masa —
Medis HB - Areas ECE-R17			Materiał —
INTAP	H003-S1MED05		Arkusz 2 / 4

TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
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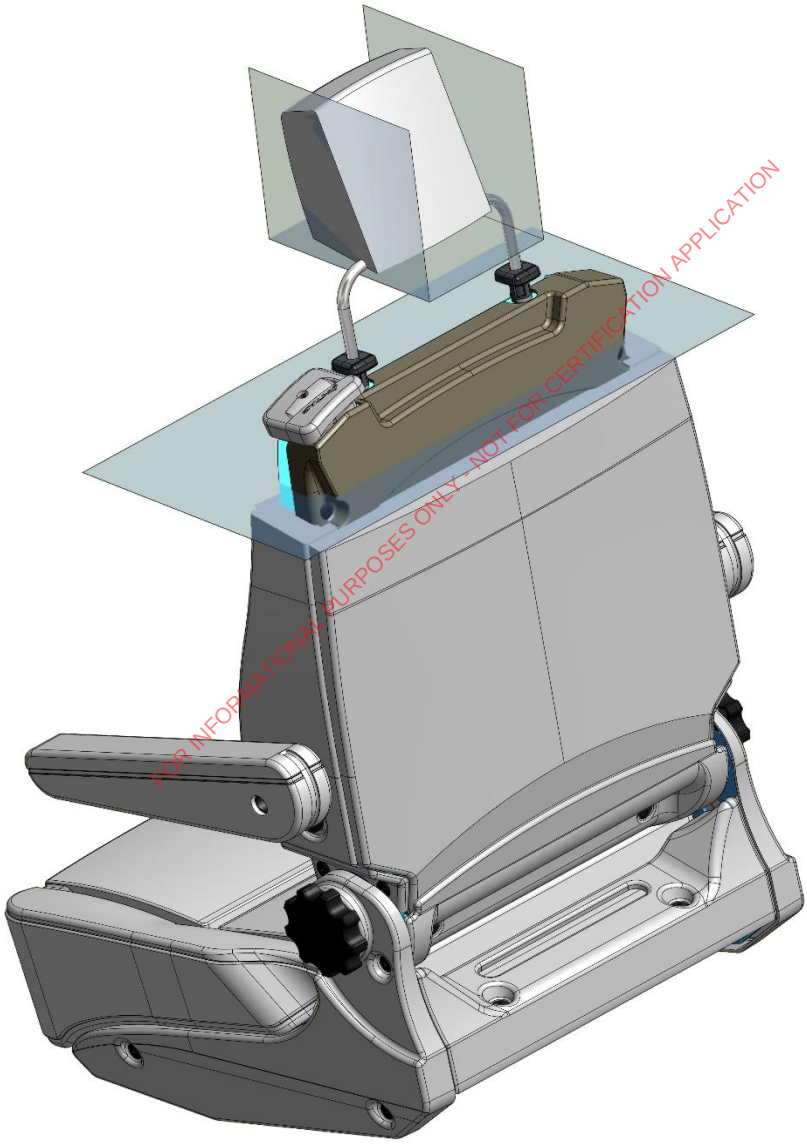
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

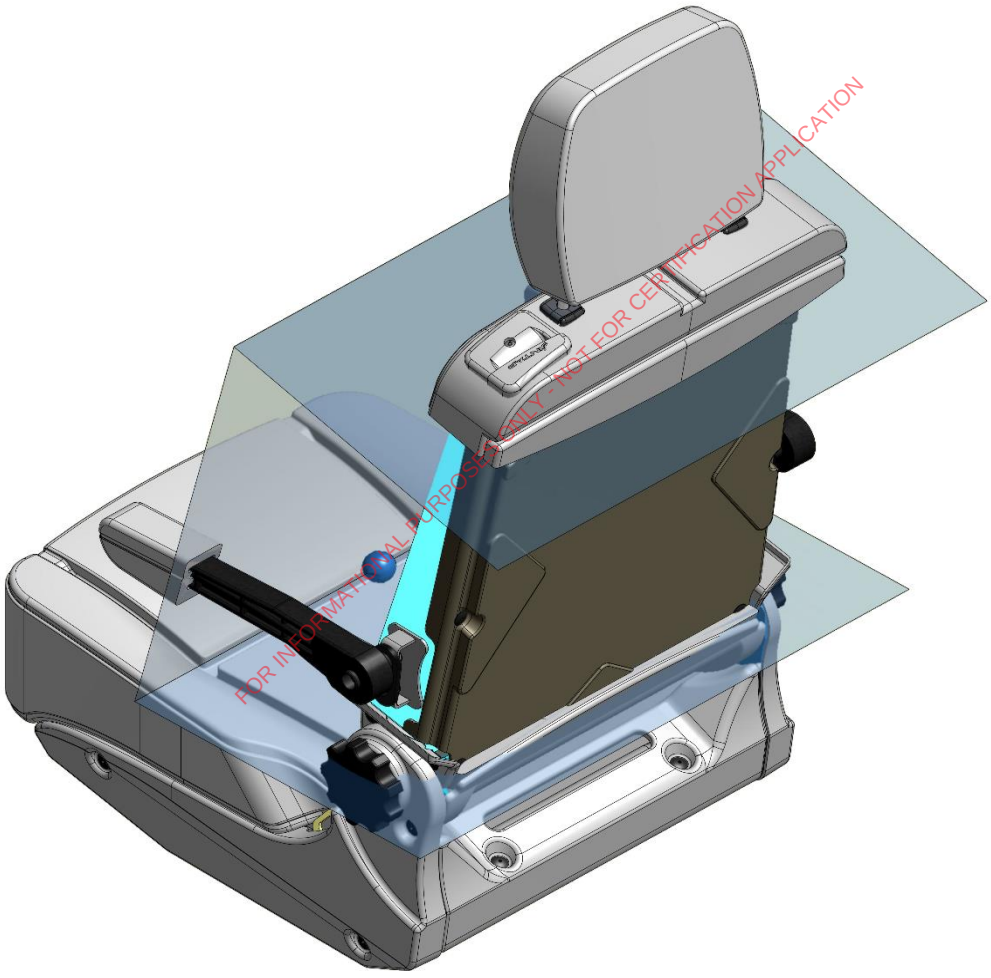
Area 2:



REMARKS:
1. Rear surfaces of the seat in Area 2, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 5 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

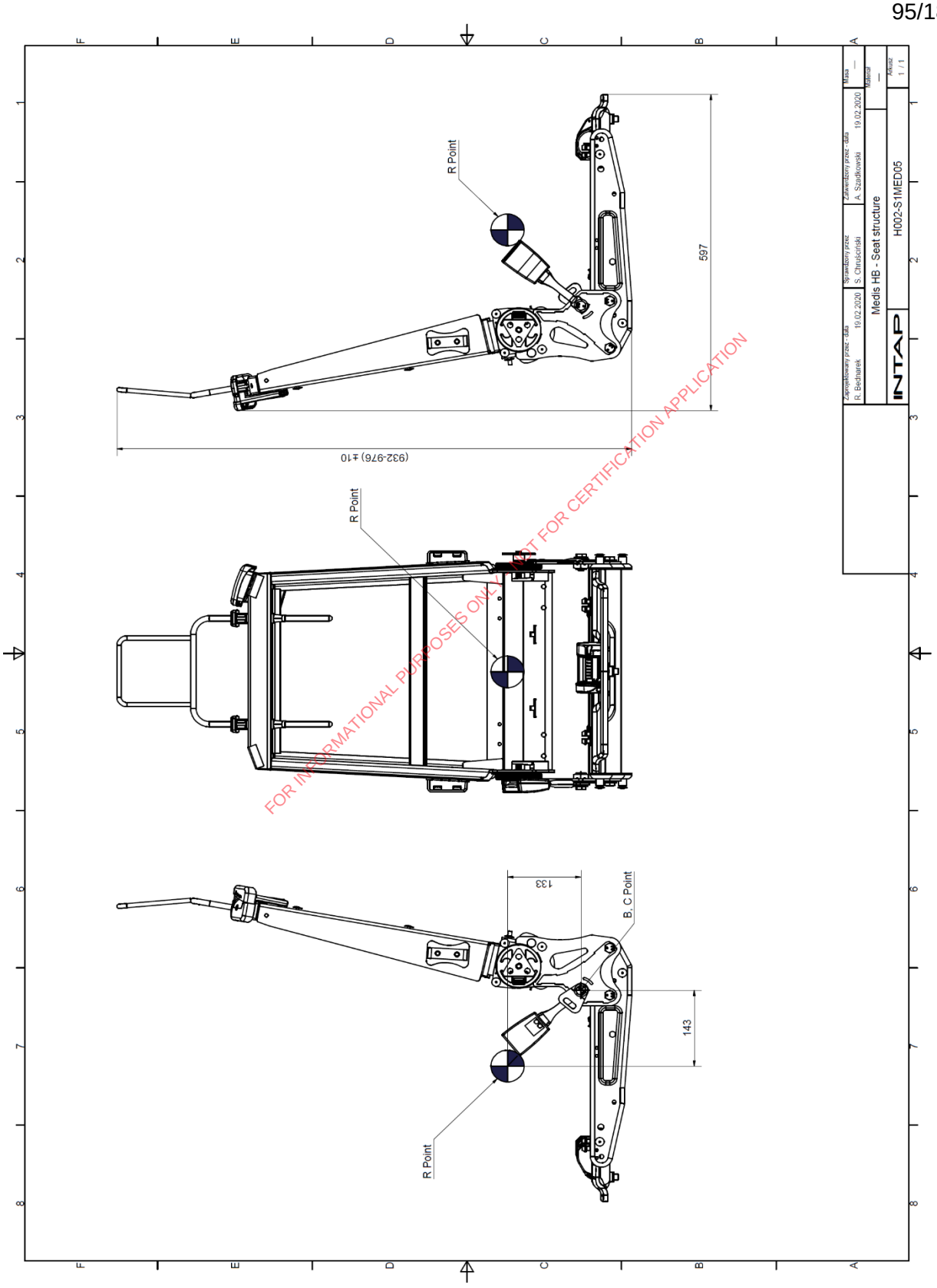
Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
R. Bednarek 23.07.2020	S. Chruściński	A. Szadkowski 24.07.2020	—
Medis HB - Areas ECE-R17			Materiał —
INTAP	H003-S1MED05		Arkusz 3 / 4

Area 3



REMARKS:
1. Rear surfaces of the seat in Area 3, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 3,2 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

Zaprojektowany przez: data	Sprawdzony przez	Zatwierdzony przez: data	Masa
R. Bednarek 23.07.2020	S. Chruściński	A. Szadkowski 24.07.2020	—
Medis HB - Areas ECE-R17			Materiał: —
INTAP	H003-S1MED05		Arkusz: 4 / 4


R Point
597
(932-976) ±10
R Point
133
B, C Point
143
R Point
INTAP
Medis HB - Seat structure
H002-S1MED05
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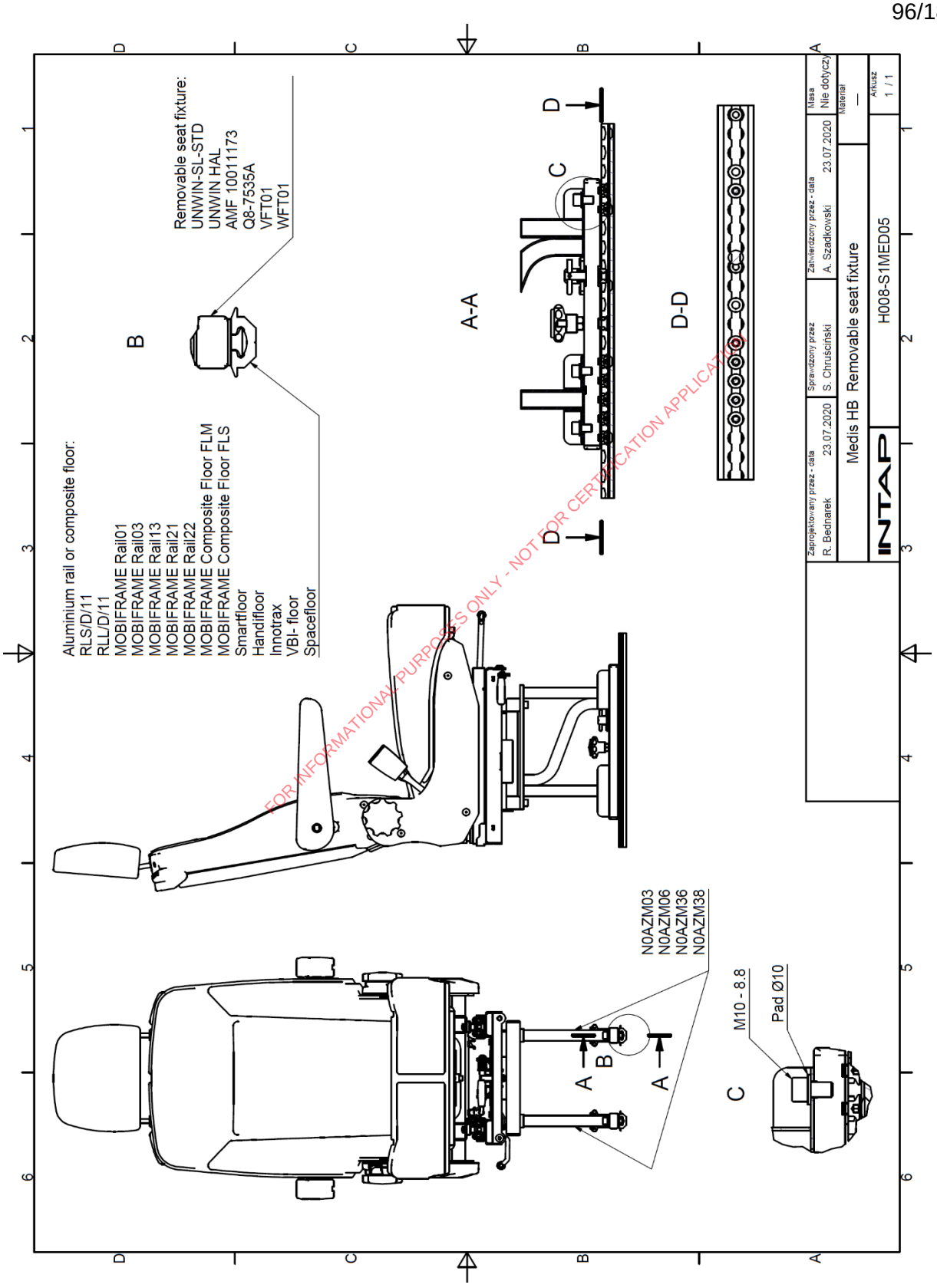
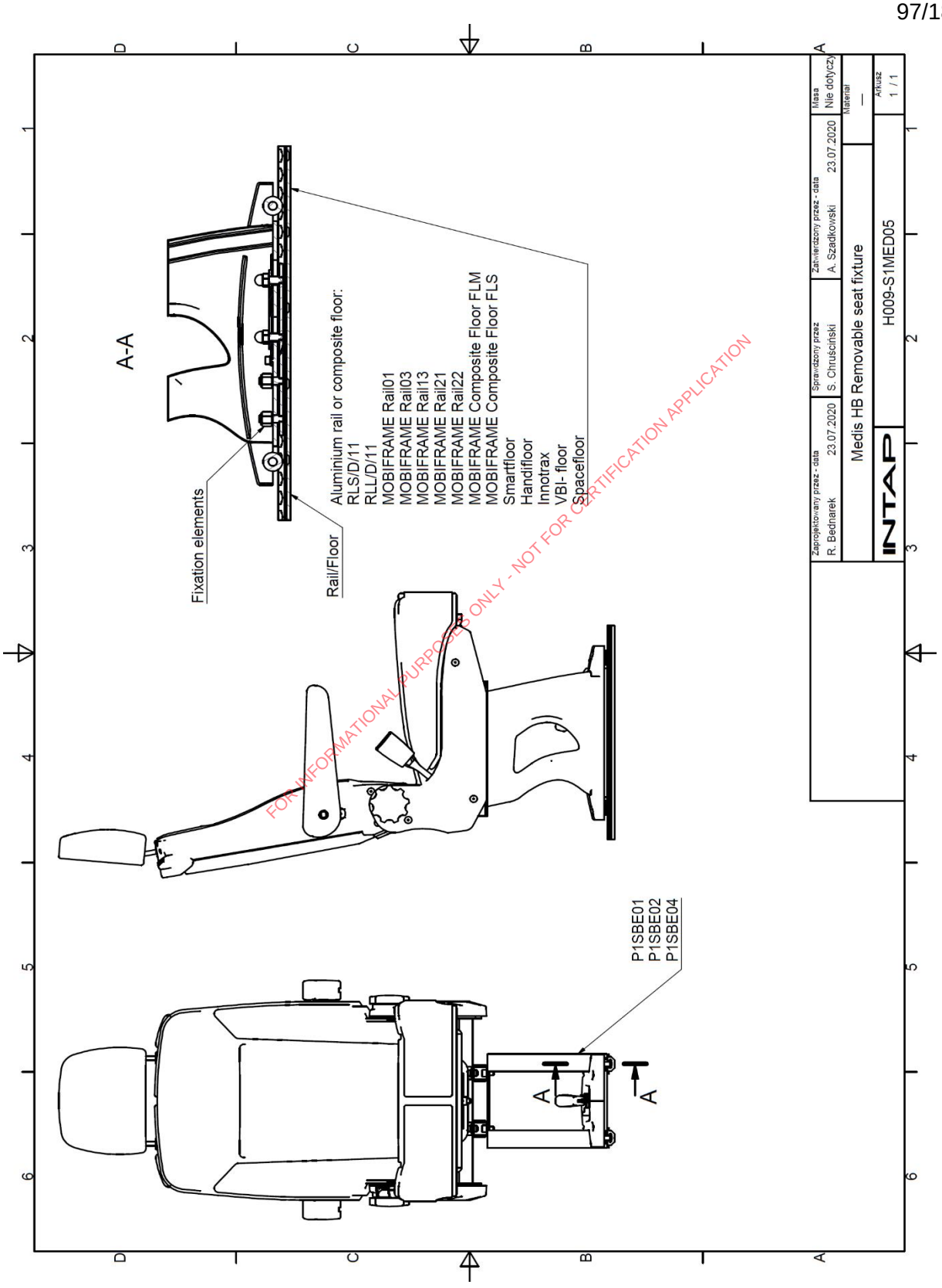
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



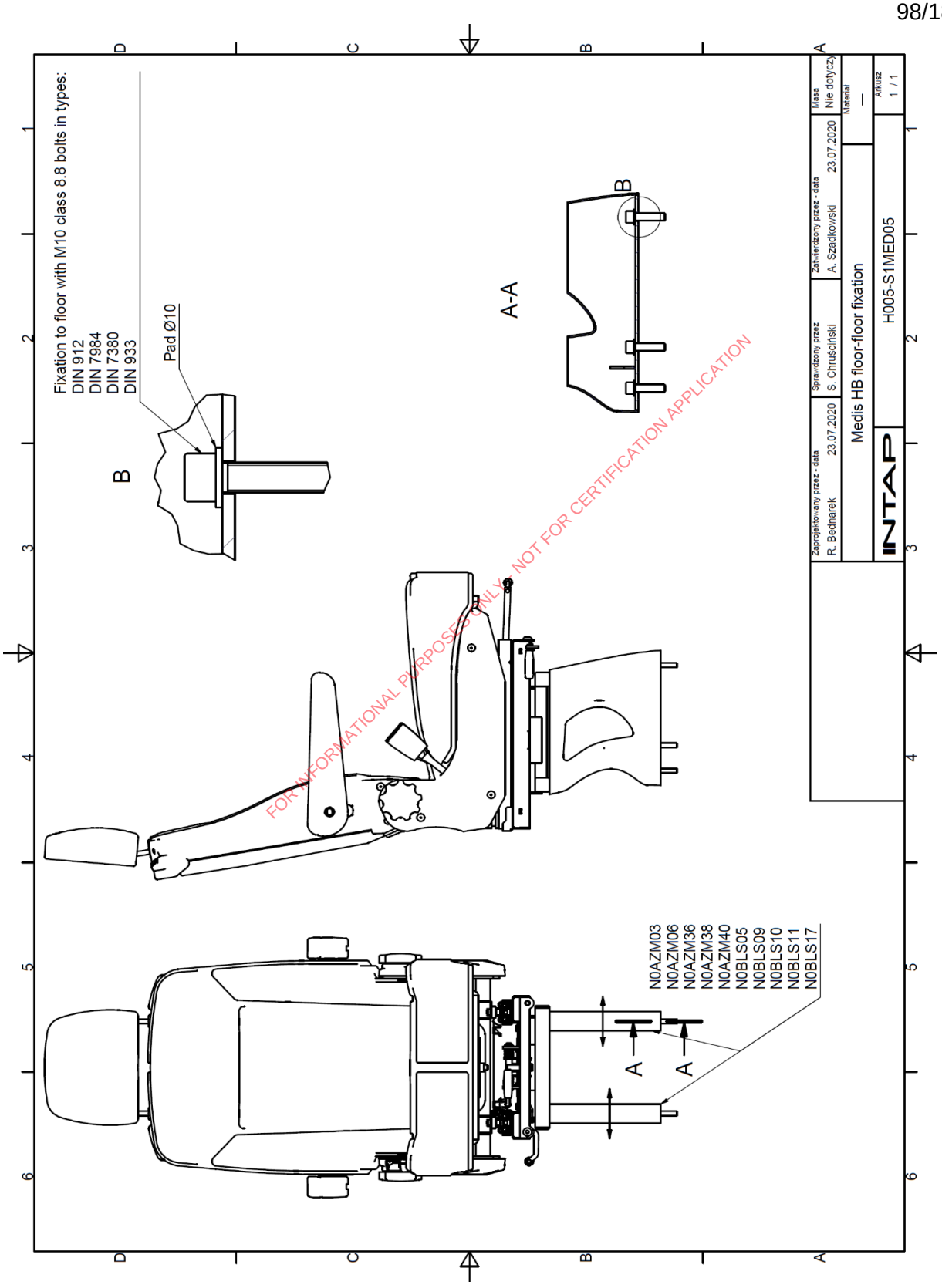
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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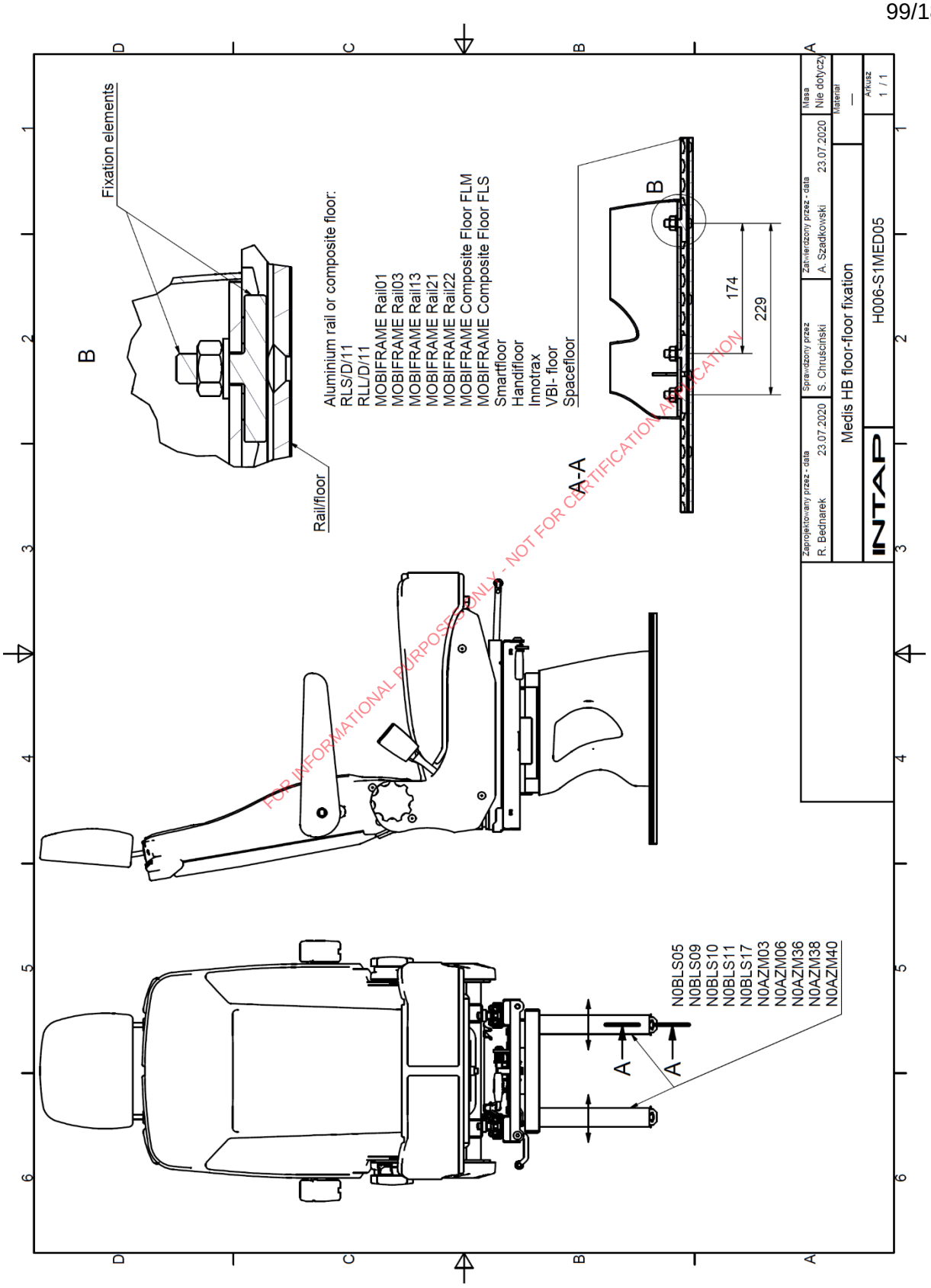
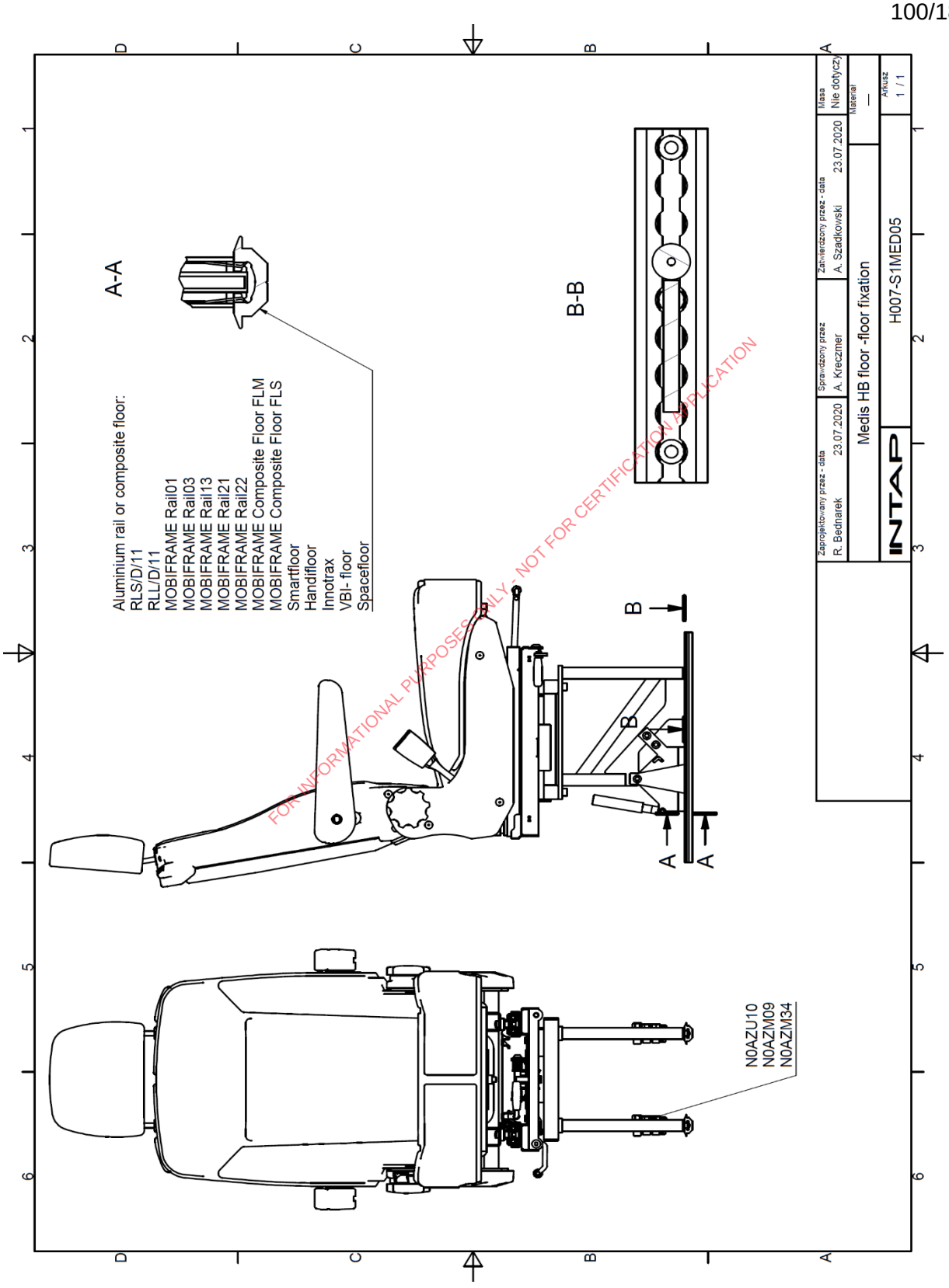
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




A-A
B-B
Aluminium rail or composite floor:
RLS/D/11
RLL/D/11
MOBIFRAME Rail01
MOBIFRAME Rail03
MOBIFRAME Rail13
MOBIFRAME Rail21
MOBIFRAME Rail22
MOBIFRAME Composite Floor FLM
MOBIFRAME Composite Floor FLS
Smartfloor
Handifloor
Innotrax
VBI- floor
Spacefloor
N0AZU10
N0AZM09
N0AZM34
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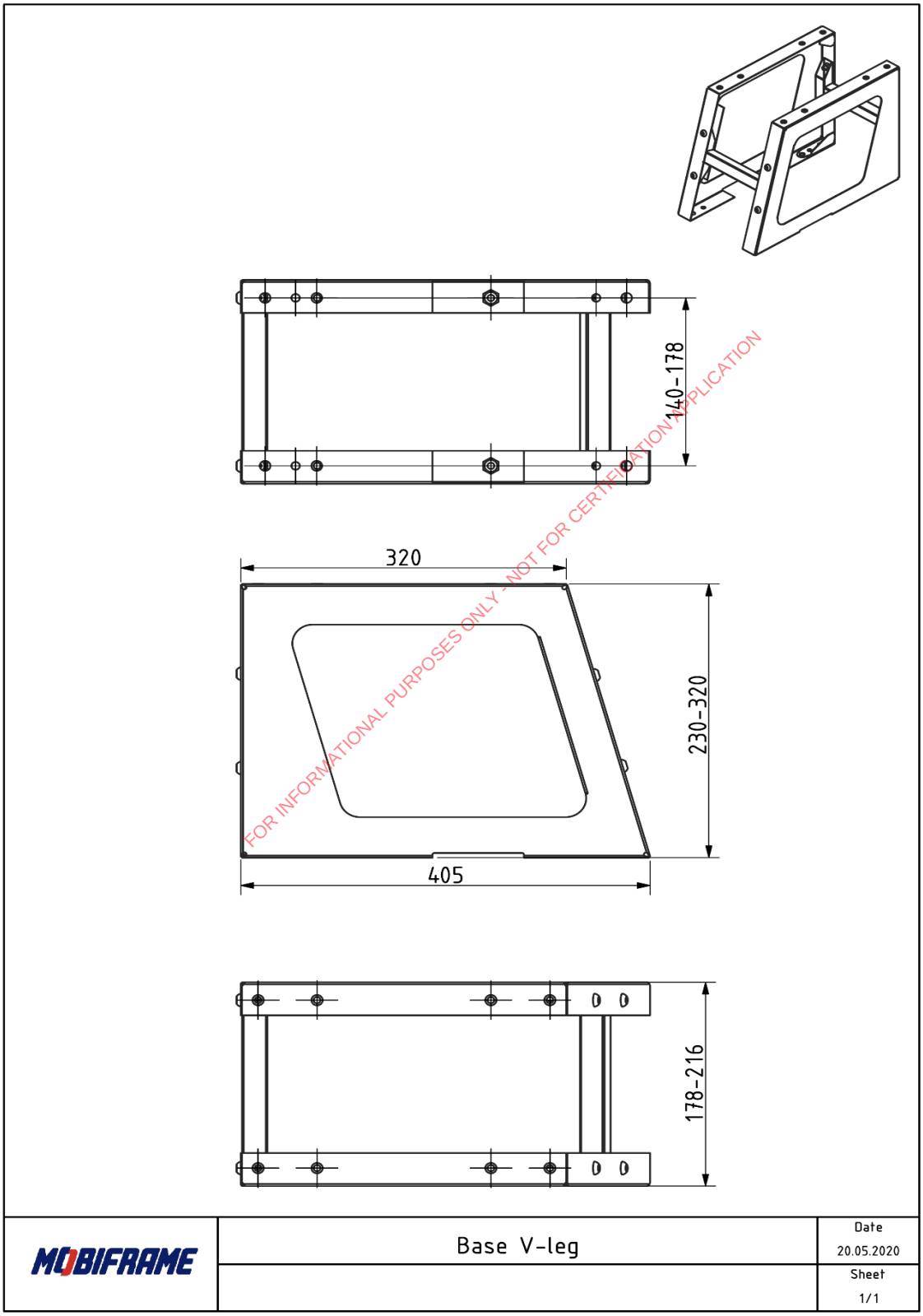
INTAP
Medis HB floor -floor fixation
H007-S1MED05
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
A. Kreczmer
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
1 / 1

TAB 1. Configuration of rails with fixation elements		
Rail	**Rear fixation**	**Front fixation**
UNWIN RLS, RLL, MOBIFRAME Composite Floor FLS / FLM, MOBIFRAME Rail01 MOBIFRAME Rail21 MOBIFRAME Rail22	TMI TMI-17 TMDS LCK-04 LCK-06	TMI TMI-17 LCK-04 LCK-06
MOBIFRAME Rail03 or MOBIFRAME Rail13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13

TAB 2. Configuration of bolt/nut size with fixation elements	
TMI	M8
TMI - 17	M10
TMDS	M8
OKBeeBLOCK 03 / BLK-03 OKBeeBLOCK 13 / BLK-013	M10
LCK-04 LCK-05	M8

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
Ł.Dumka - 13.03.2020	S. Chruściński	A. Szadkowski - 13.03.2020	-
fixation elements			Materiał -
INTAP	H019 - TAB. 1 / TAB. 2		1 z 1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320
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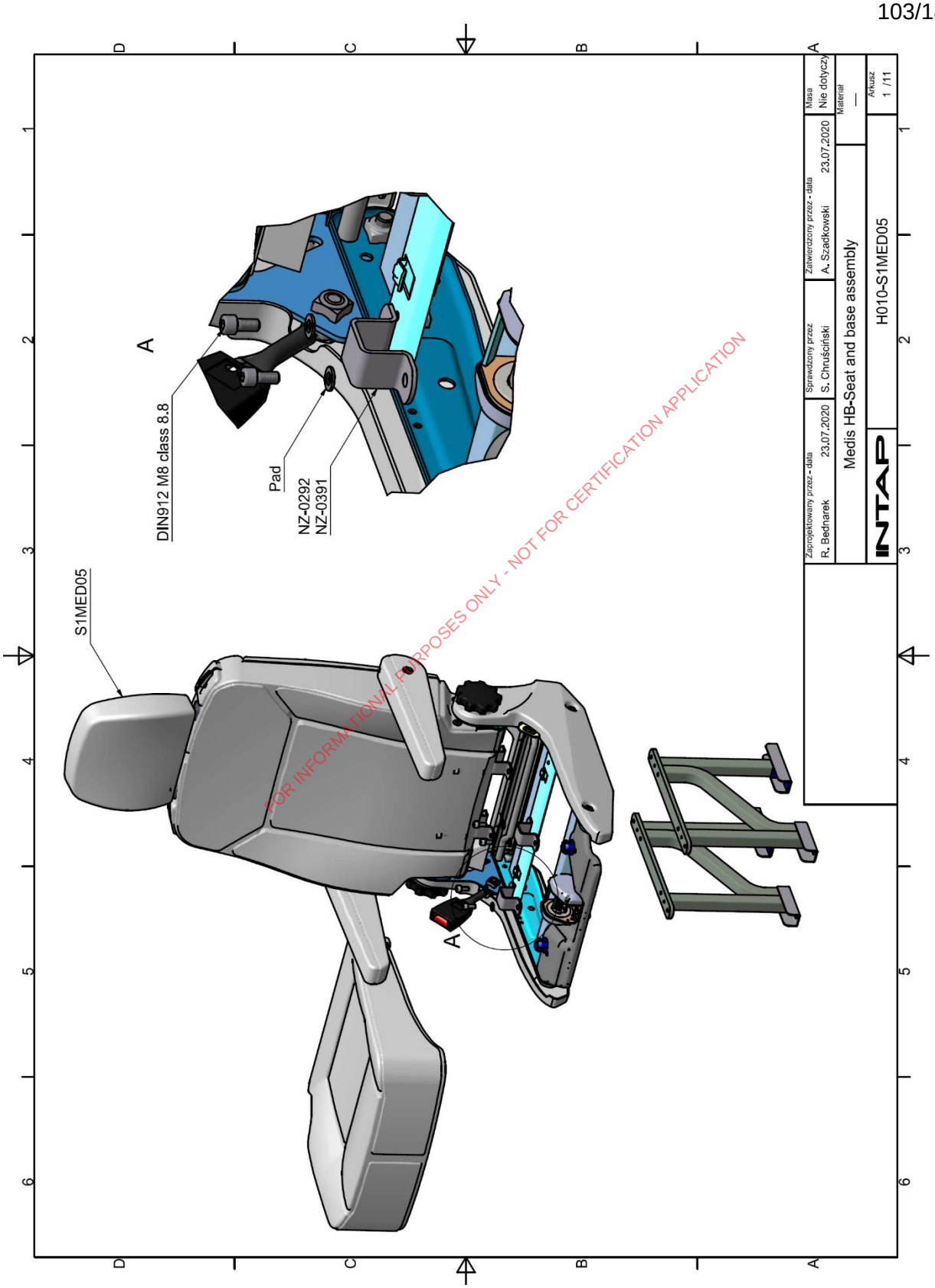
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
MOBIFRAME
Base V-leg
Date
20.05.2020
Sheet
1/1

TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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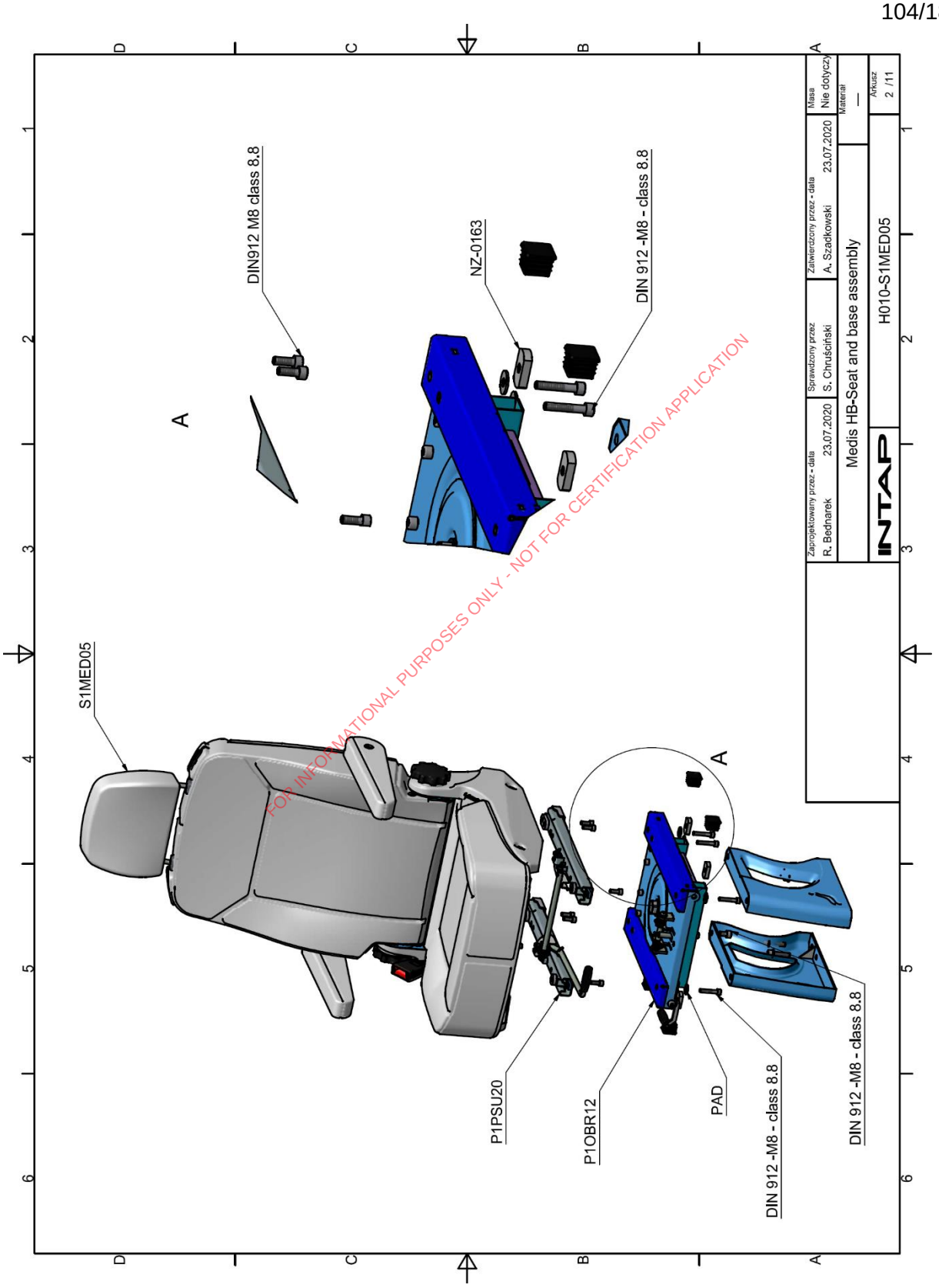
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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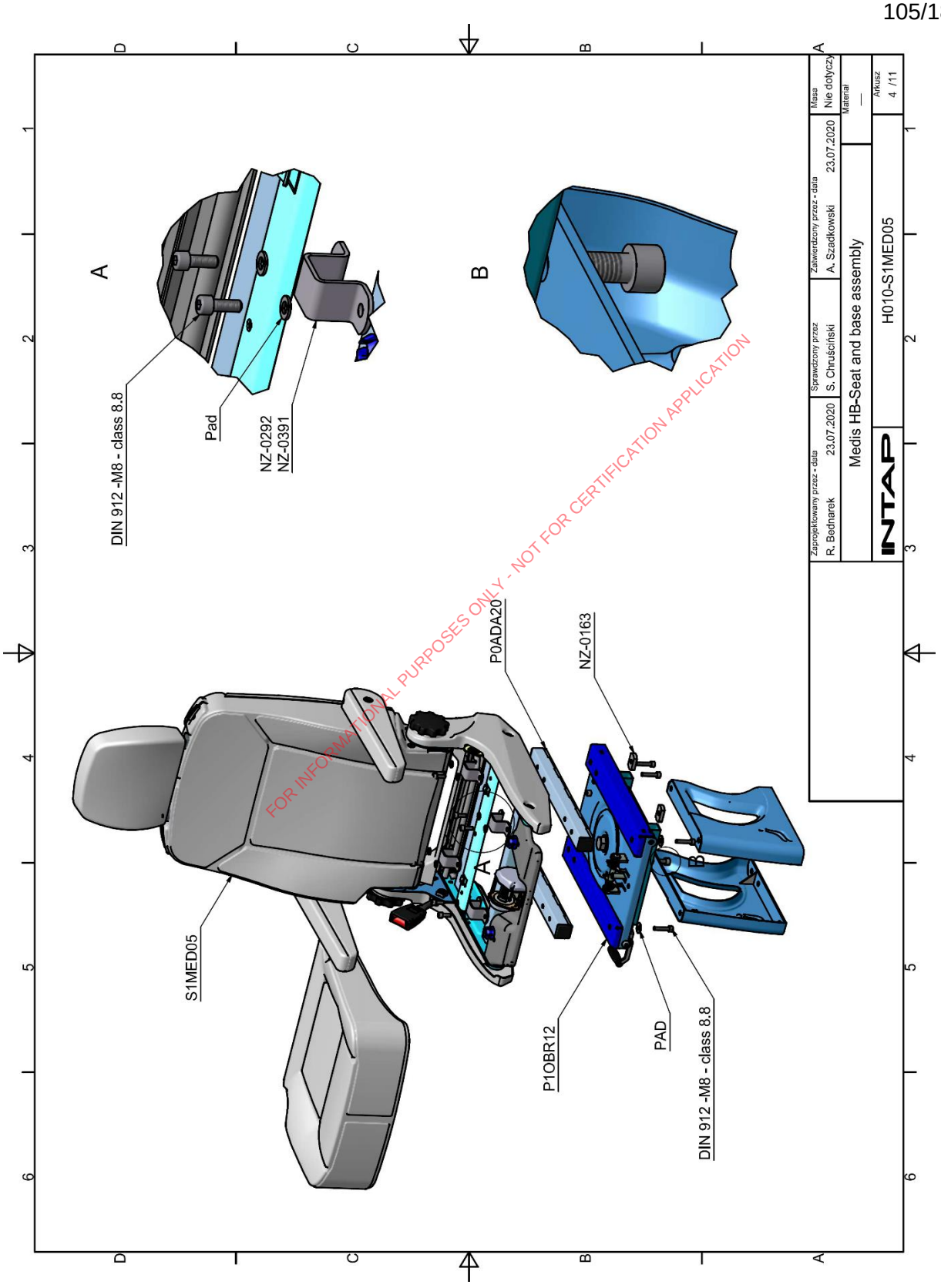
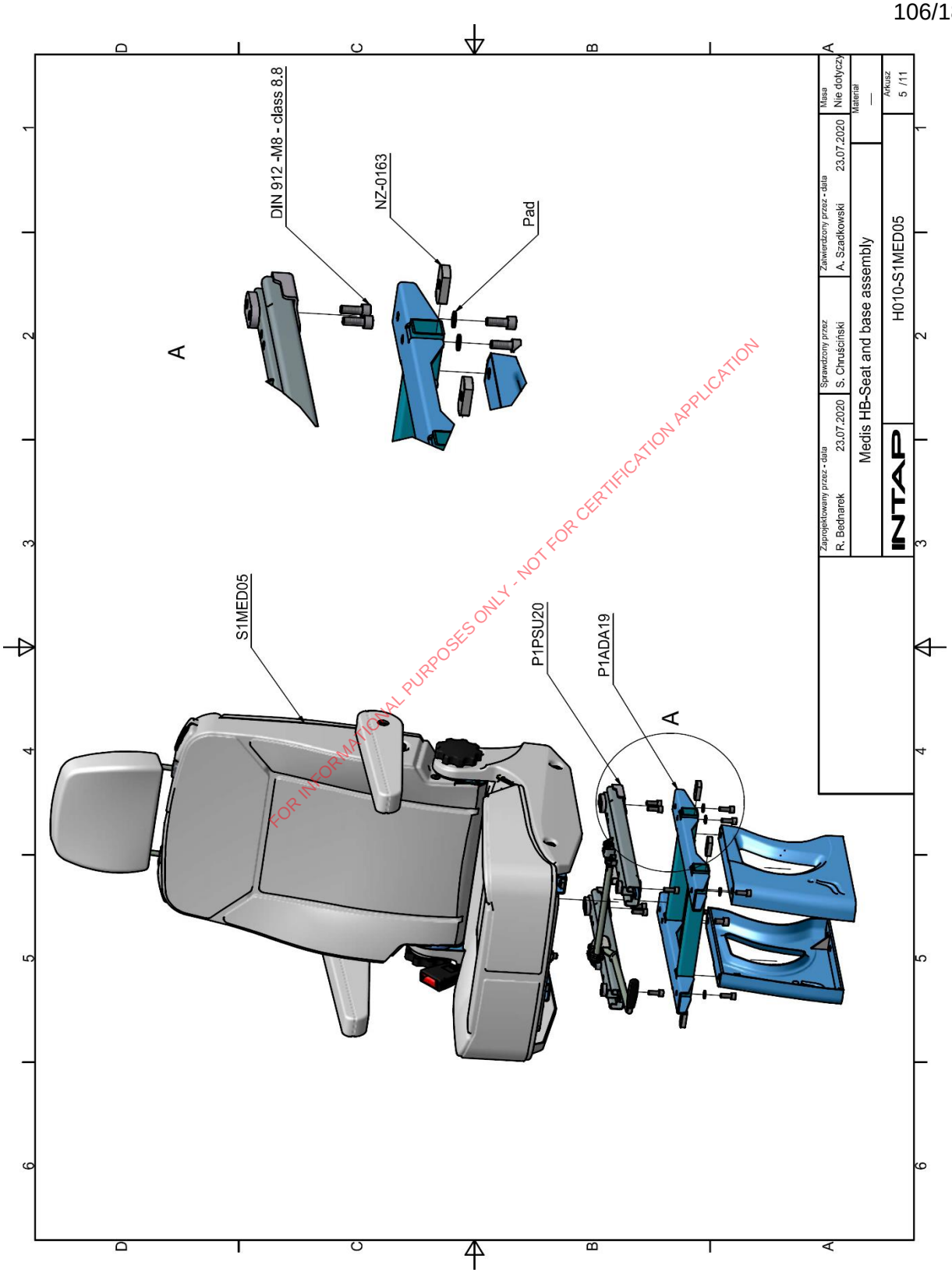
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

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NZ-0163
Pad
S1MED05
P1PSU20
P1ADA19
A
A
Zaprojektowany przez - data
R. Bednarek
23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski
23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
5 /11
Medis HB-Seat and base assembly
INTAP
H010-S1MED05
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TÜV SÜD Czech s.r.o.

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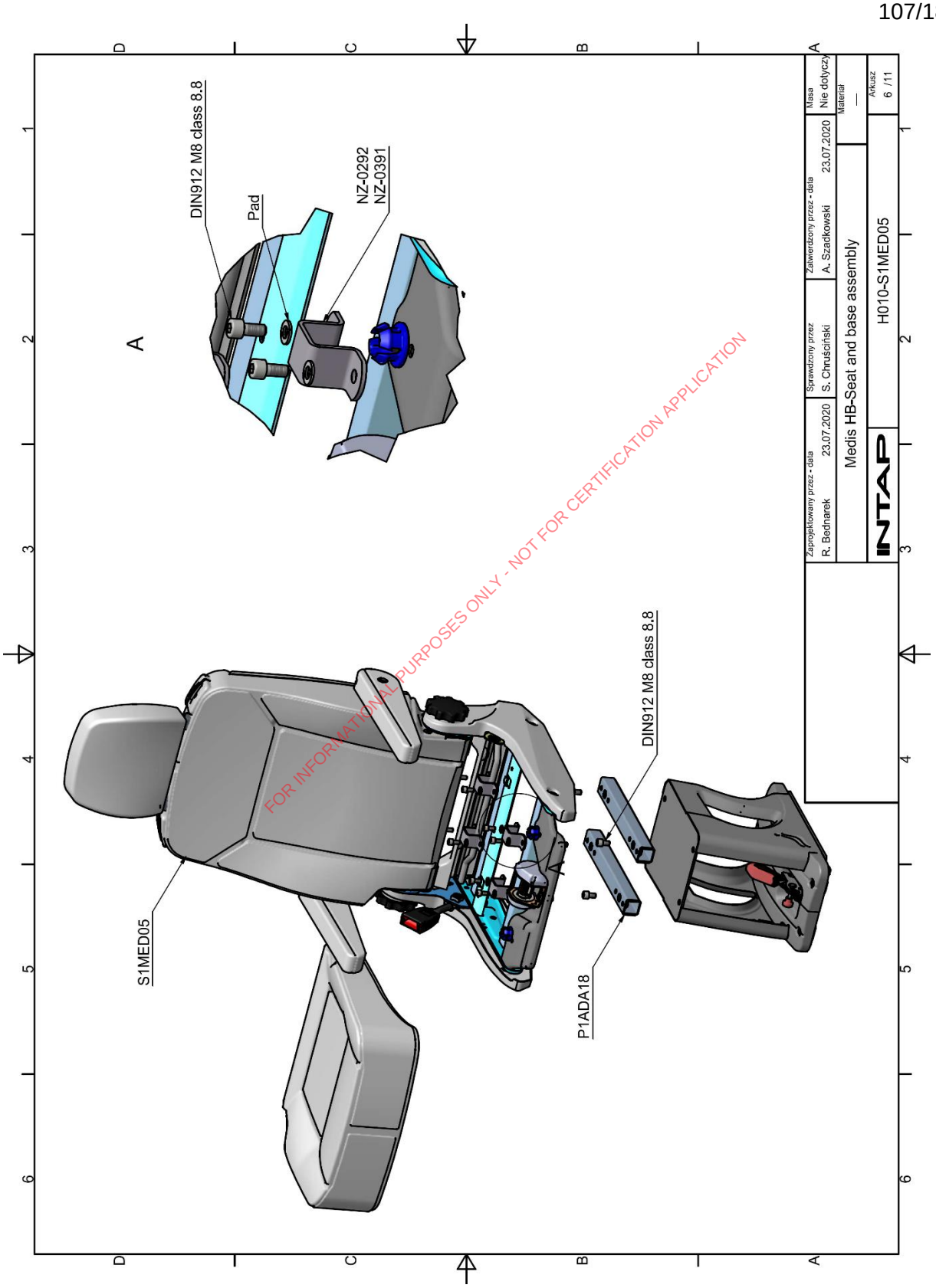
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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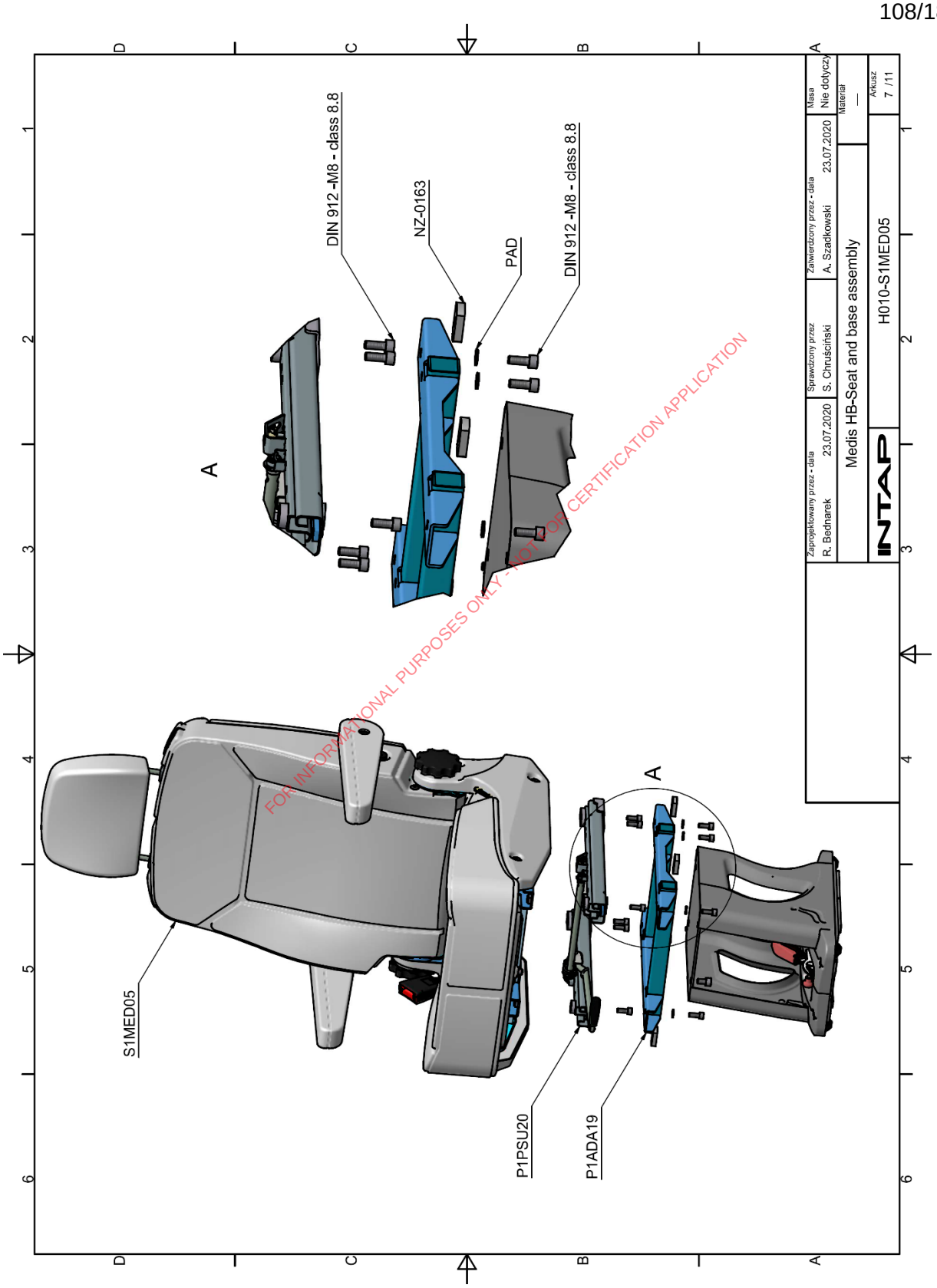
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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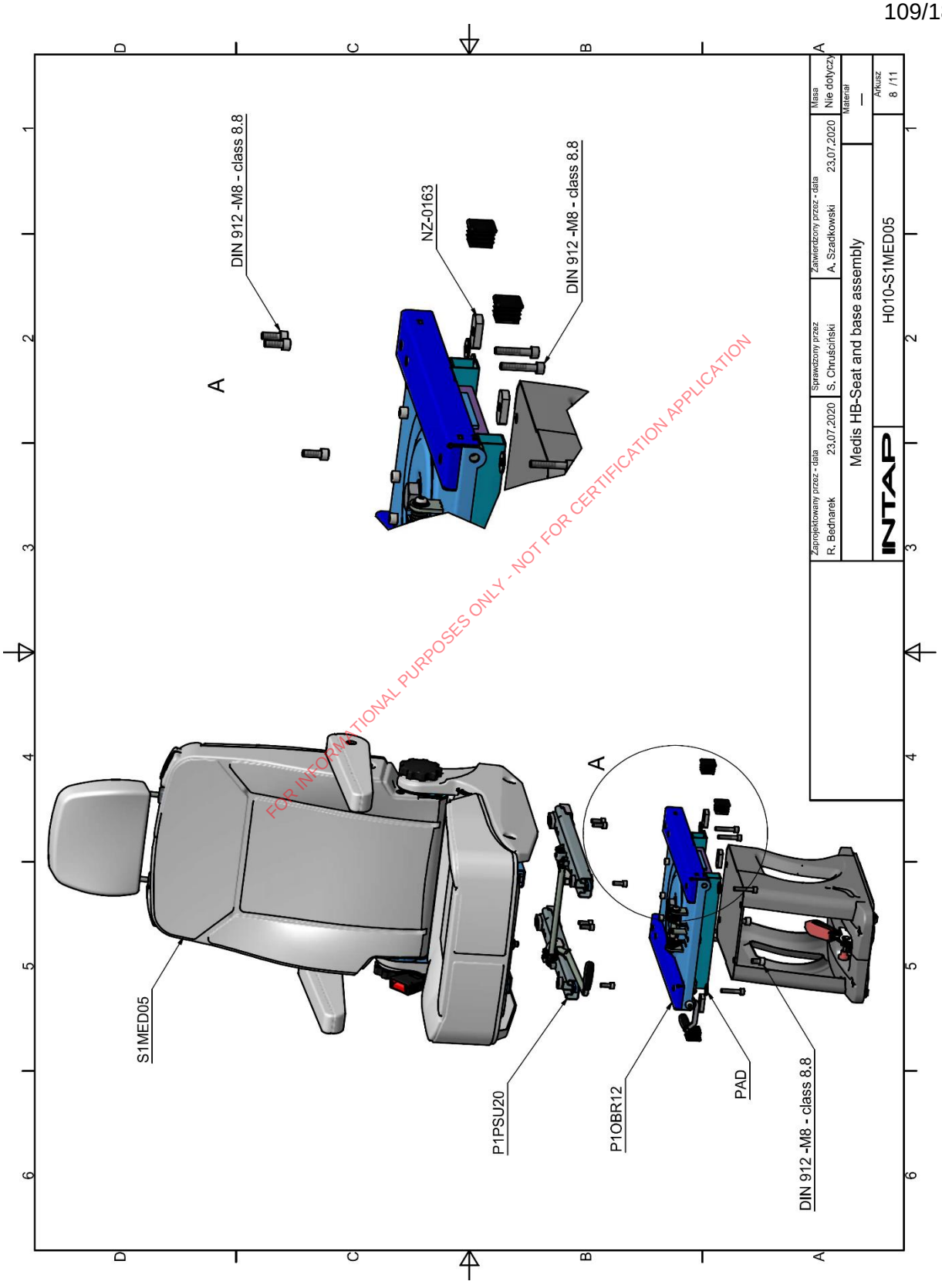
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



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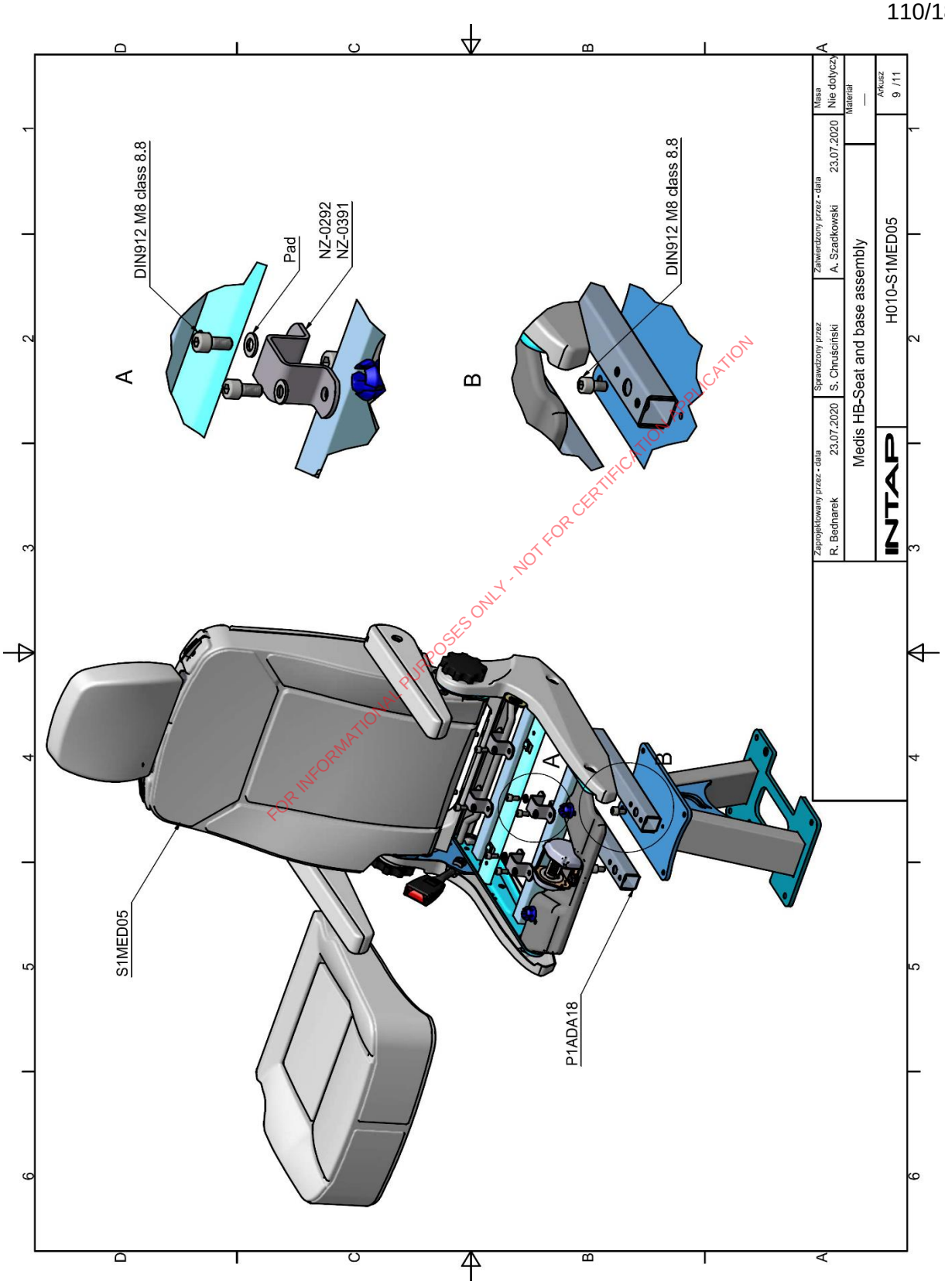

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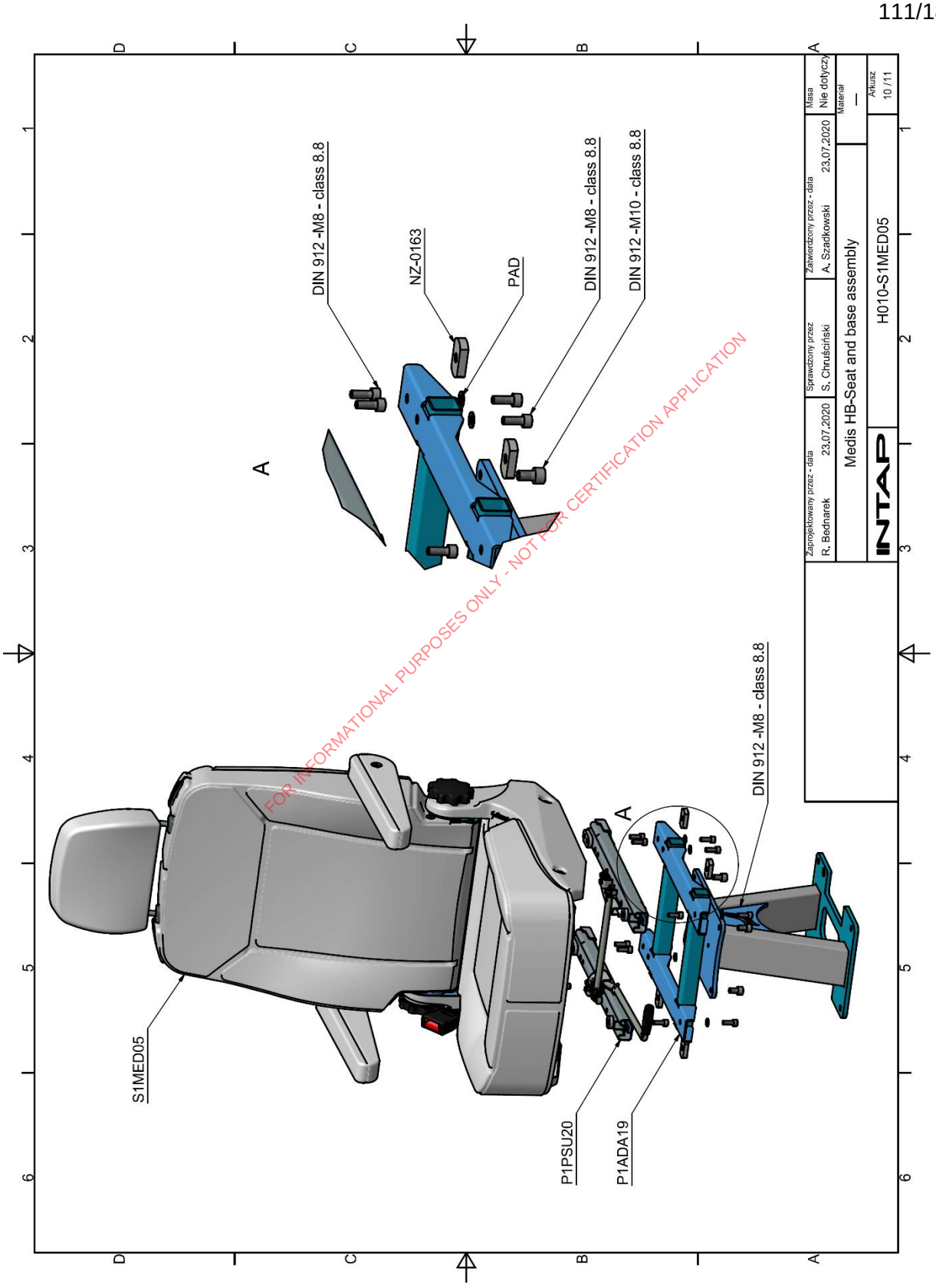

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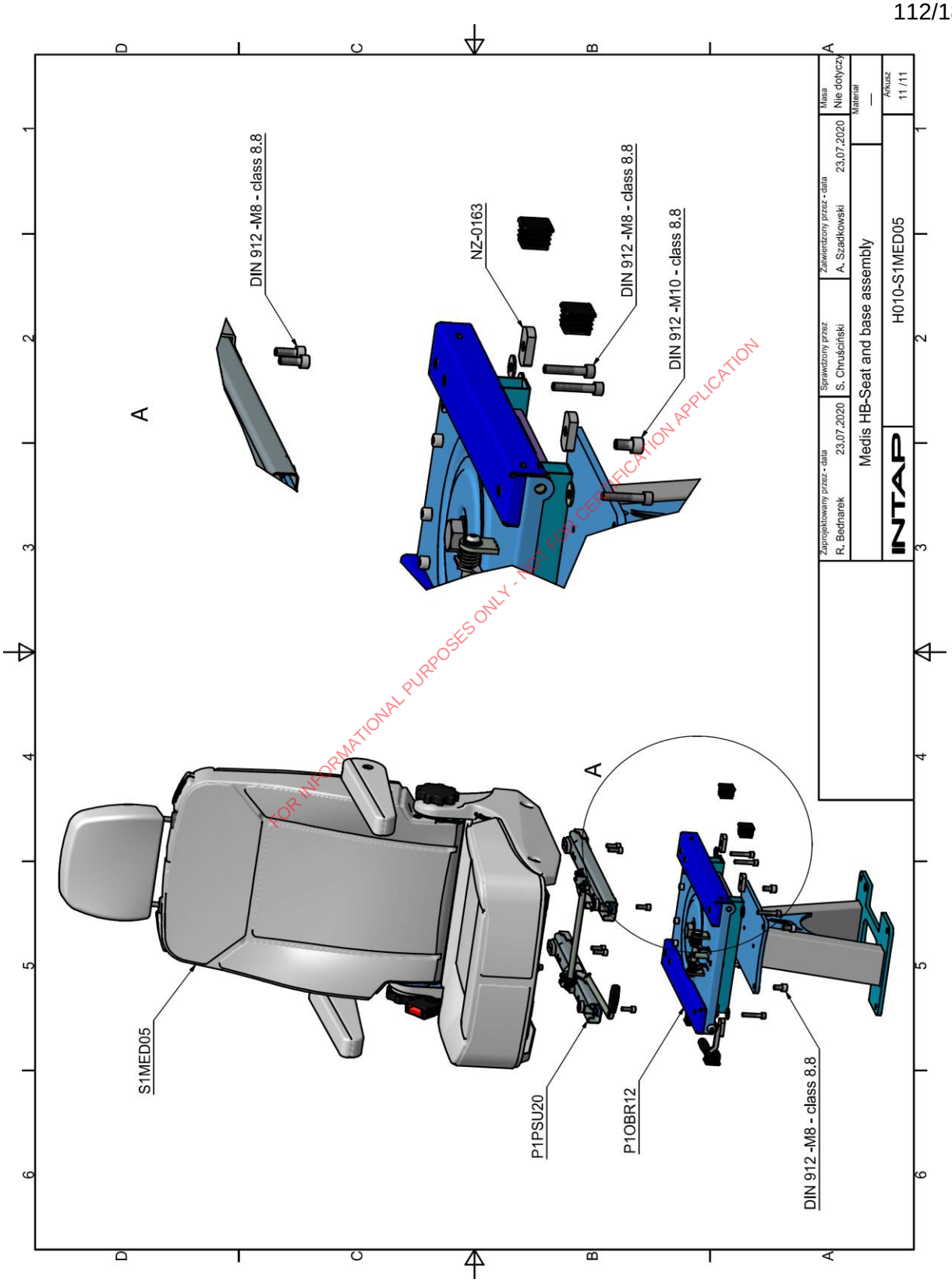

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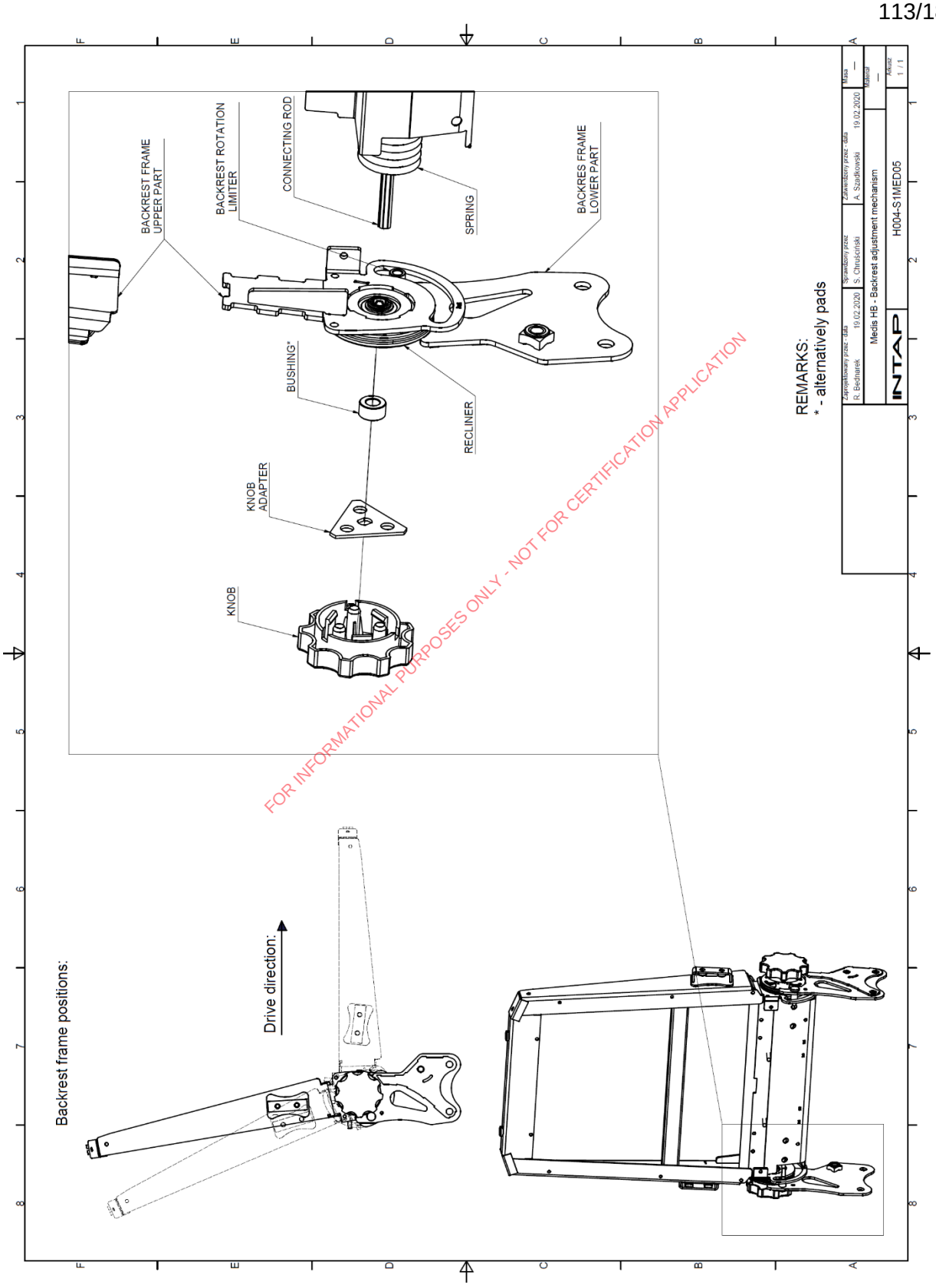

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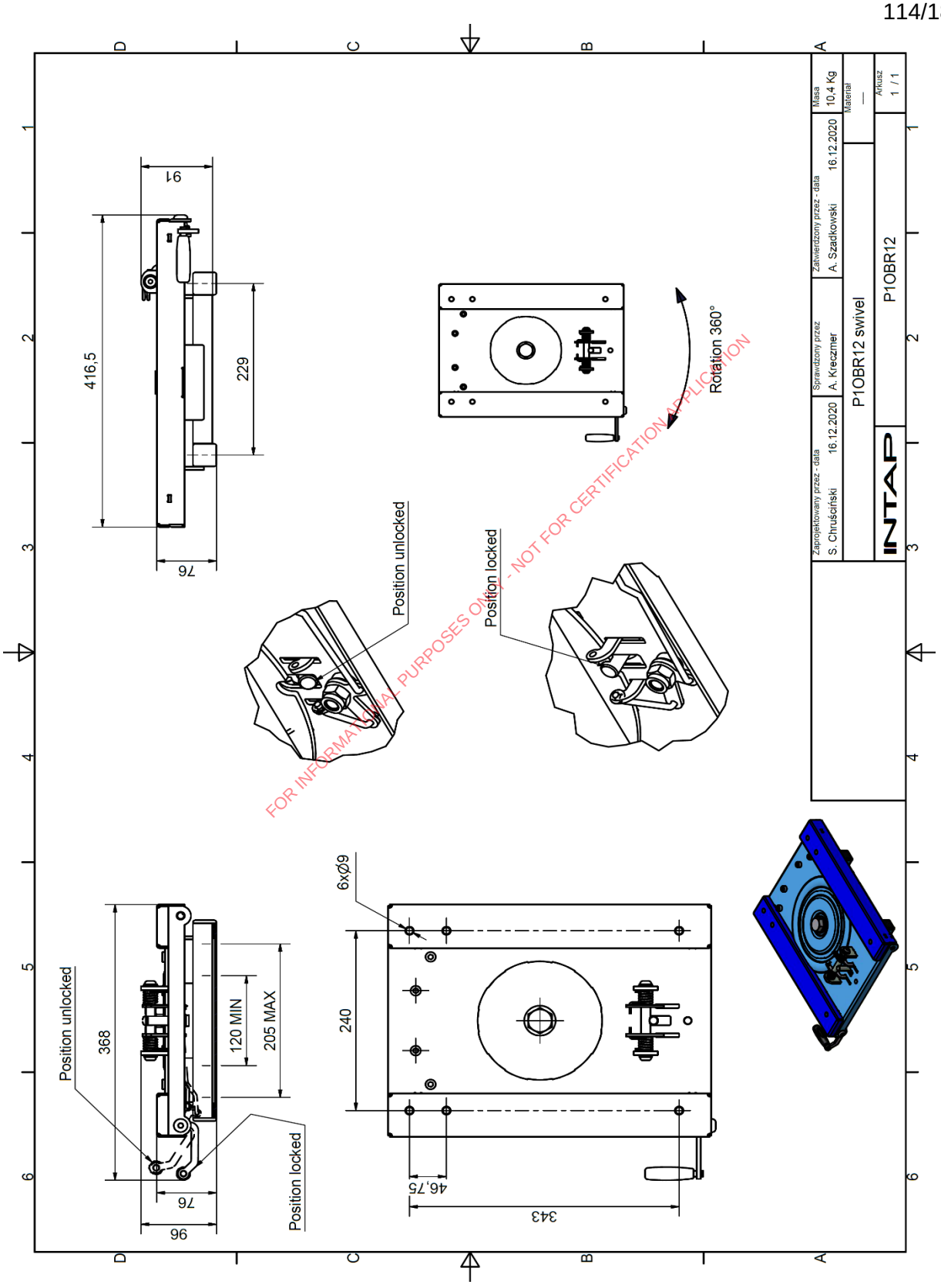

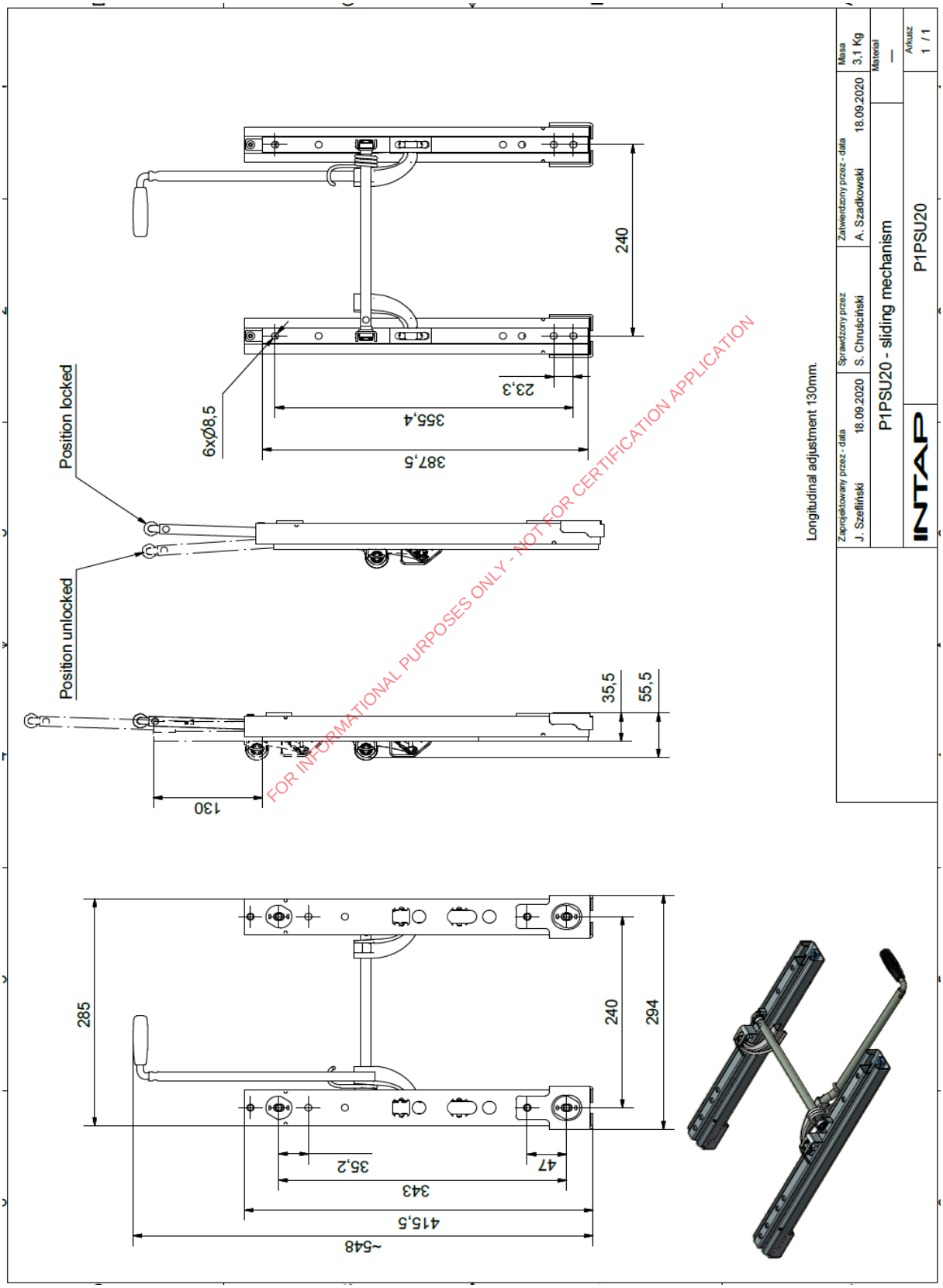

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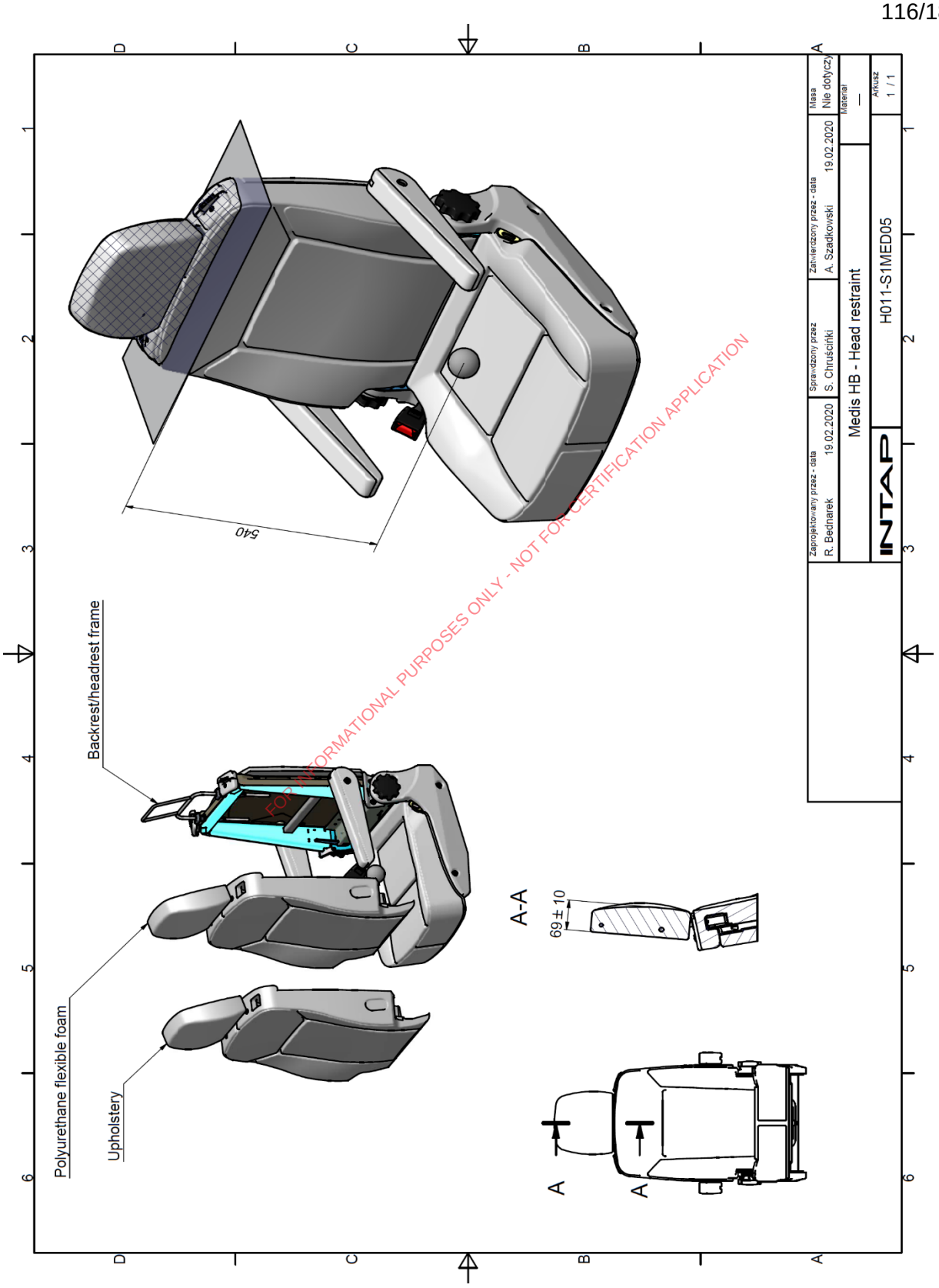

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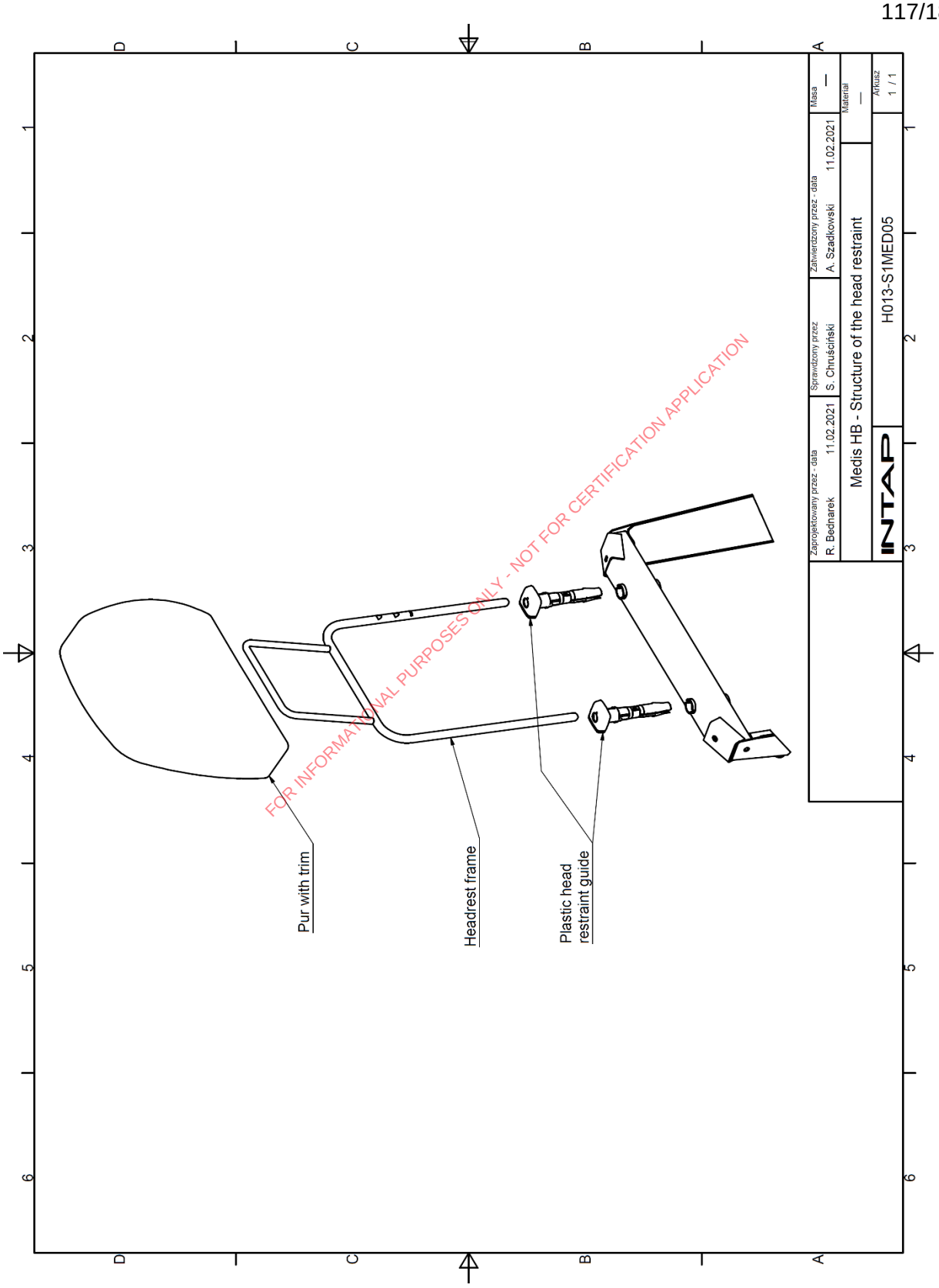

Drawings: Seat S1MED06

Medis DP S1MED06

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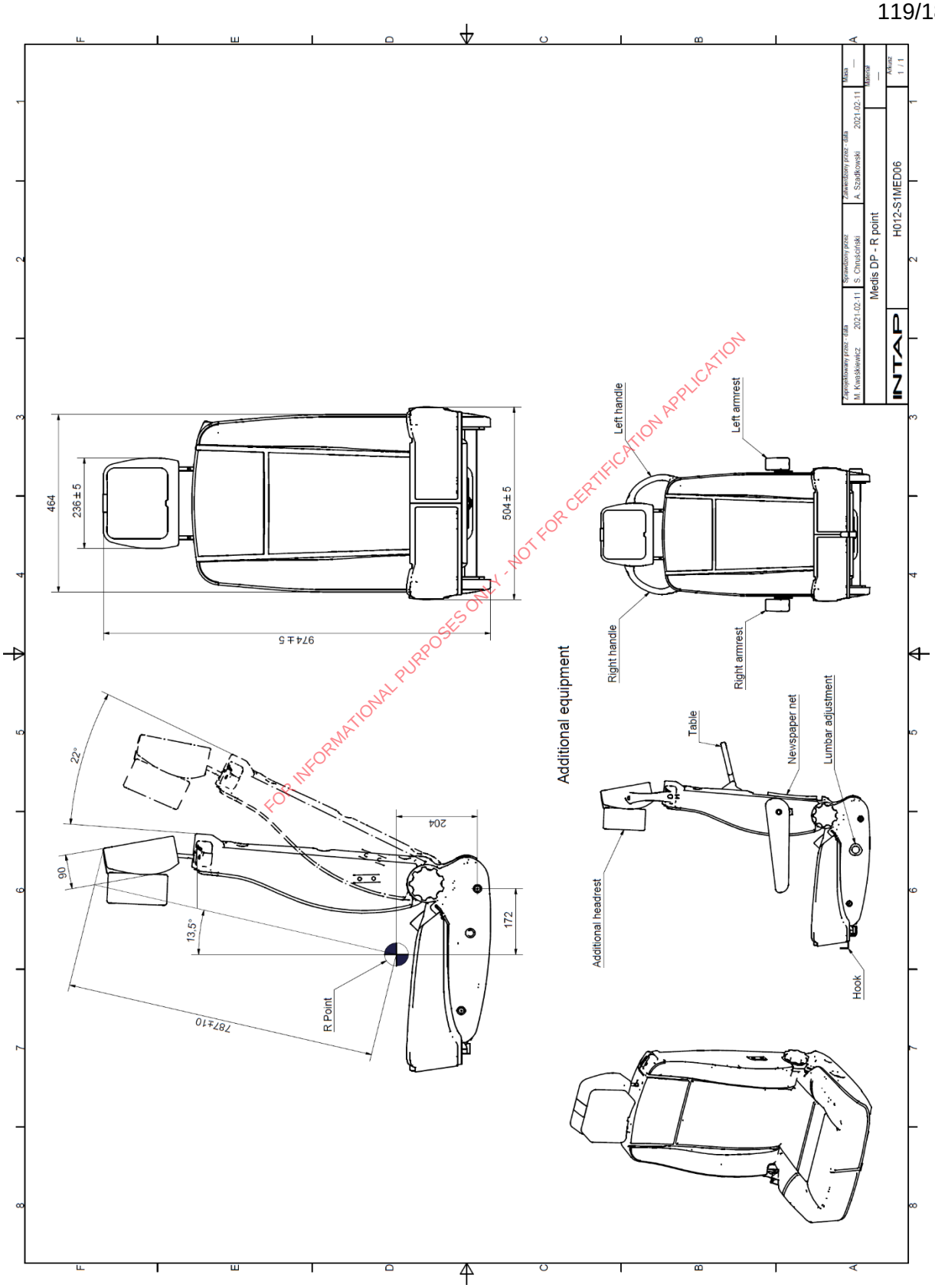
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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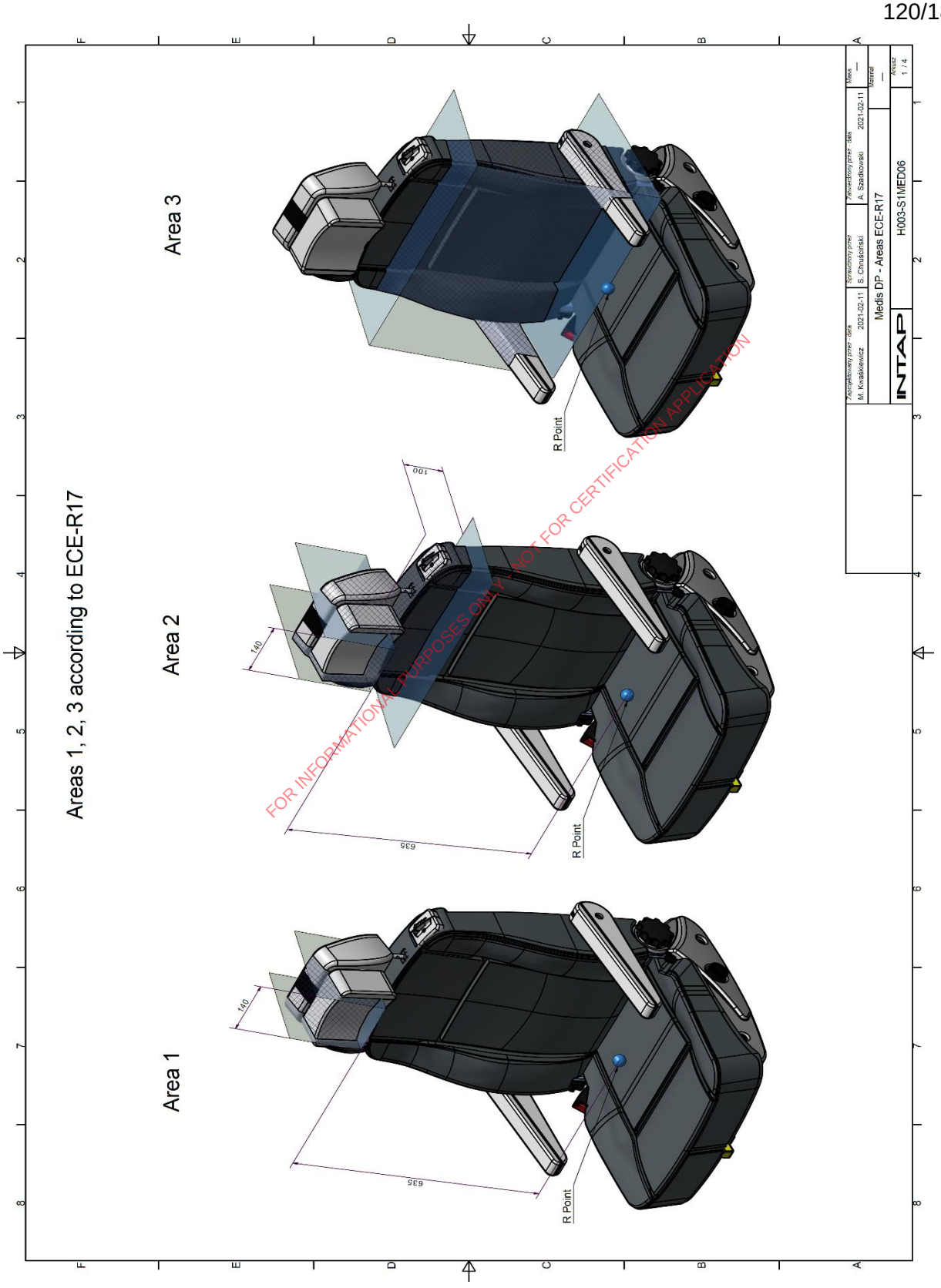
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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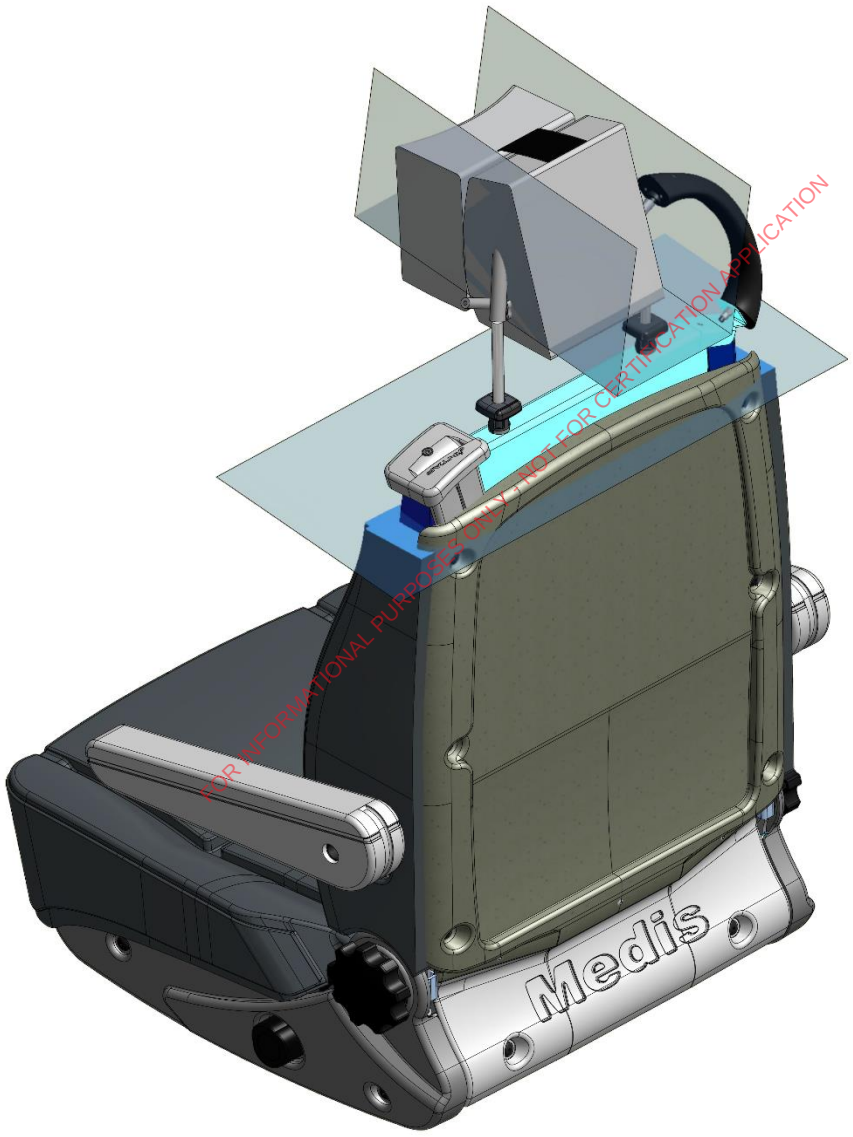
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

Area 1

Rear surfaces of the seat in Area 1, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 2,5 mm.

Zaprojektowany przez · data: M. Kwaśkiewicz 2021-02-11	Sprawdzony przez: S. Chruściński	Zatwierdzony przez · data: A. Szadkowski 2021-02-11	Masa: —
Medis DP - Areas ECE-R17			Materiał: —
INTAP	H003-S1MED06		Arkusz: 2 / 4

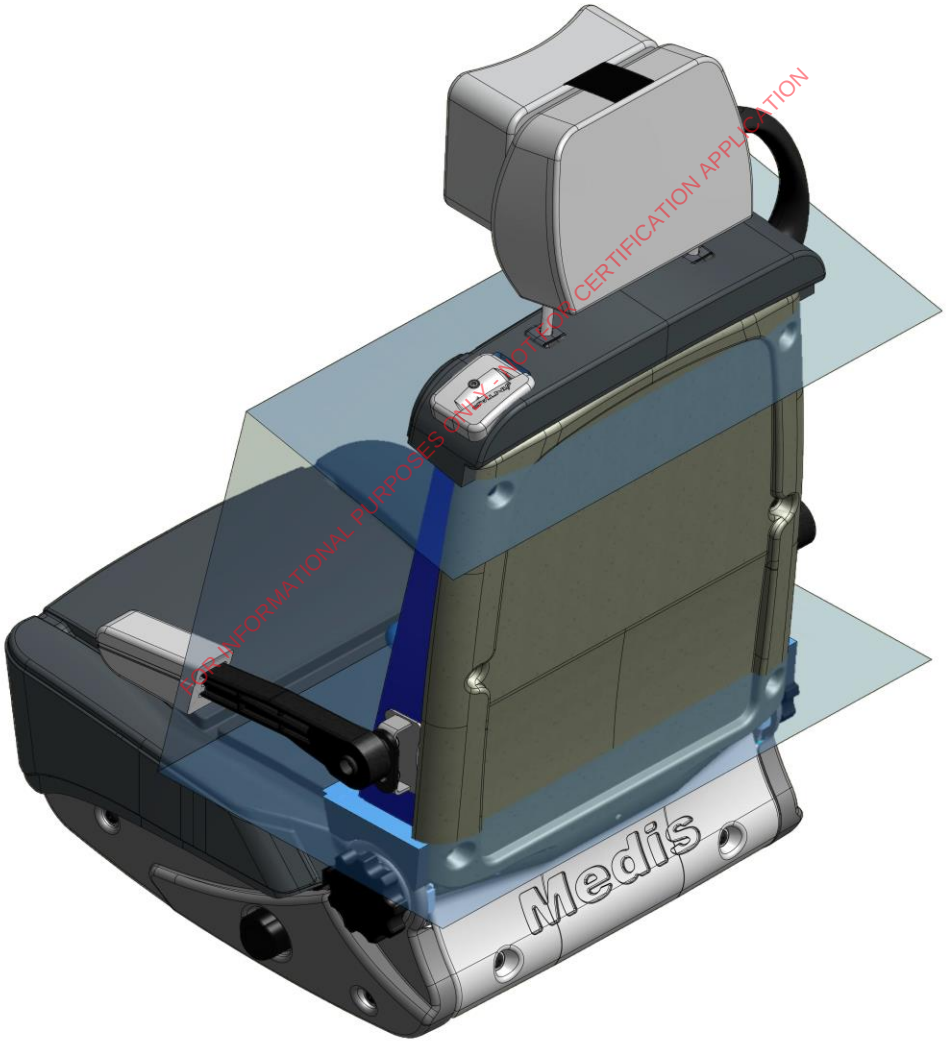
Area 2



Rear surfaces of the seat in Area 2, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 5 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

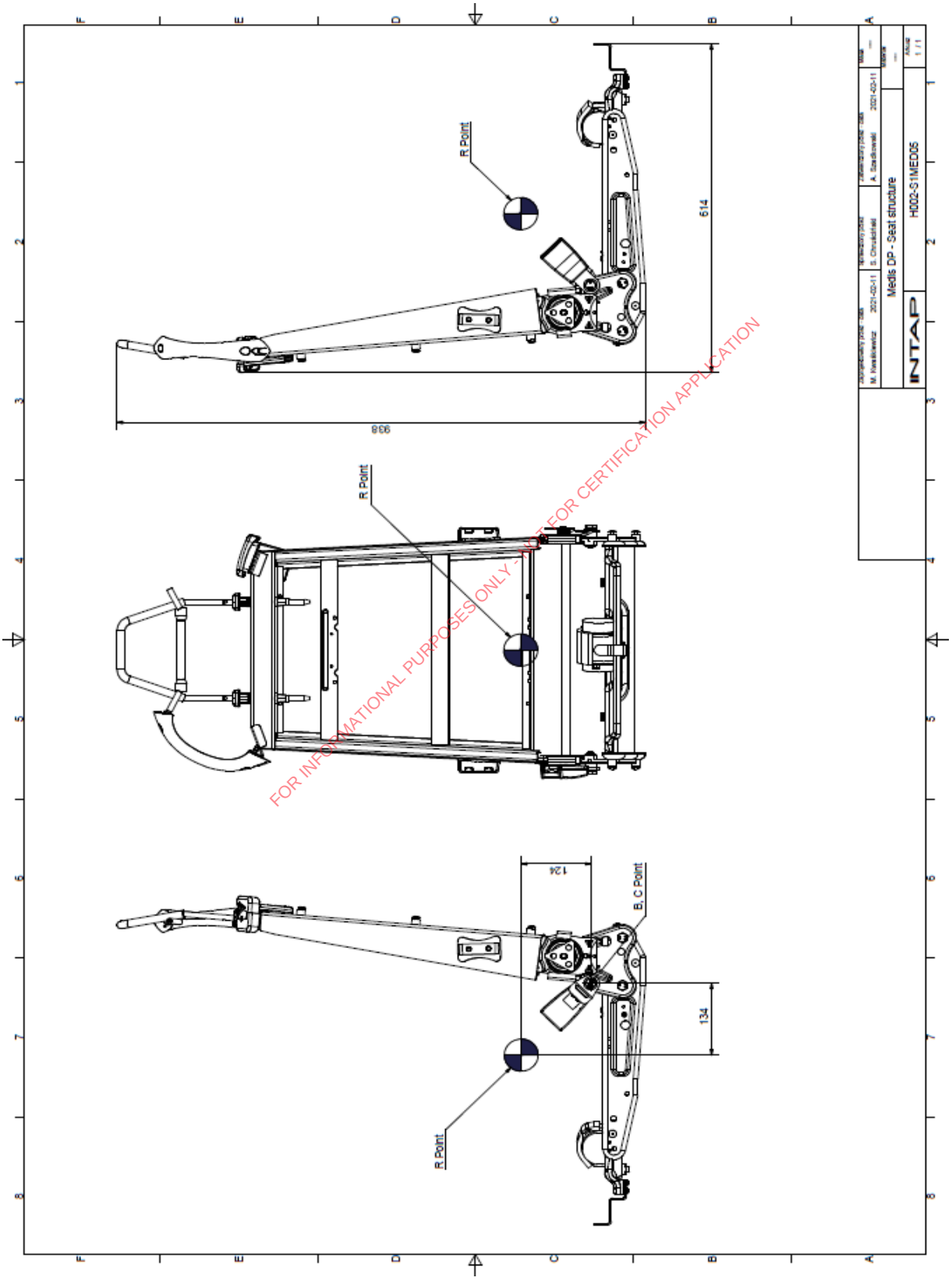
Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis DP - Areas ECE-R17			Materiał —
INTAP	H003-S1MED06		Arkusz 3 / 4

Area 3



Rear surfaces of the seat in Area 3, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 3,2 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
M. Kwaśkiewicz 2021-02-11	S. Chruściński	A. Szadkowski 2021-02-11	—
Medis DP - Areas ECE-R17			Materiał —
INTAP	H003-S1MED06		Arkusz 4 / 4


R Point
614
938
R Point
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B, C Point
134
R Point
Medis DP - Seat structure
H002-S1MED05
INTAP
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TÜV SÜD Czech s.r.o.

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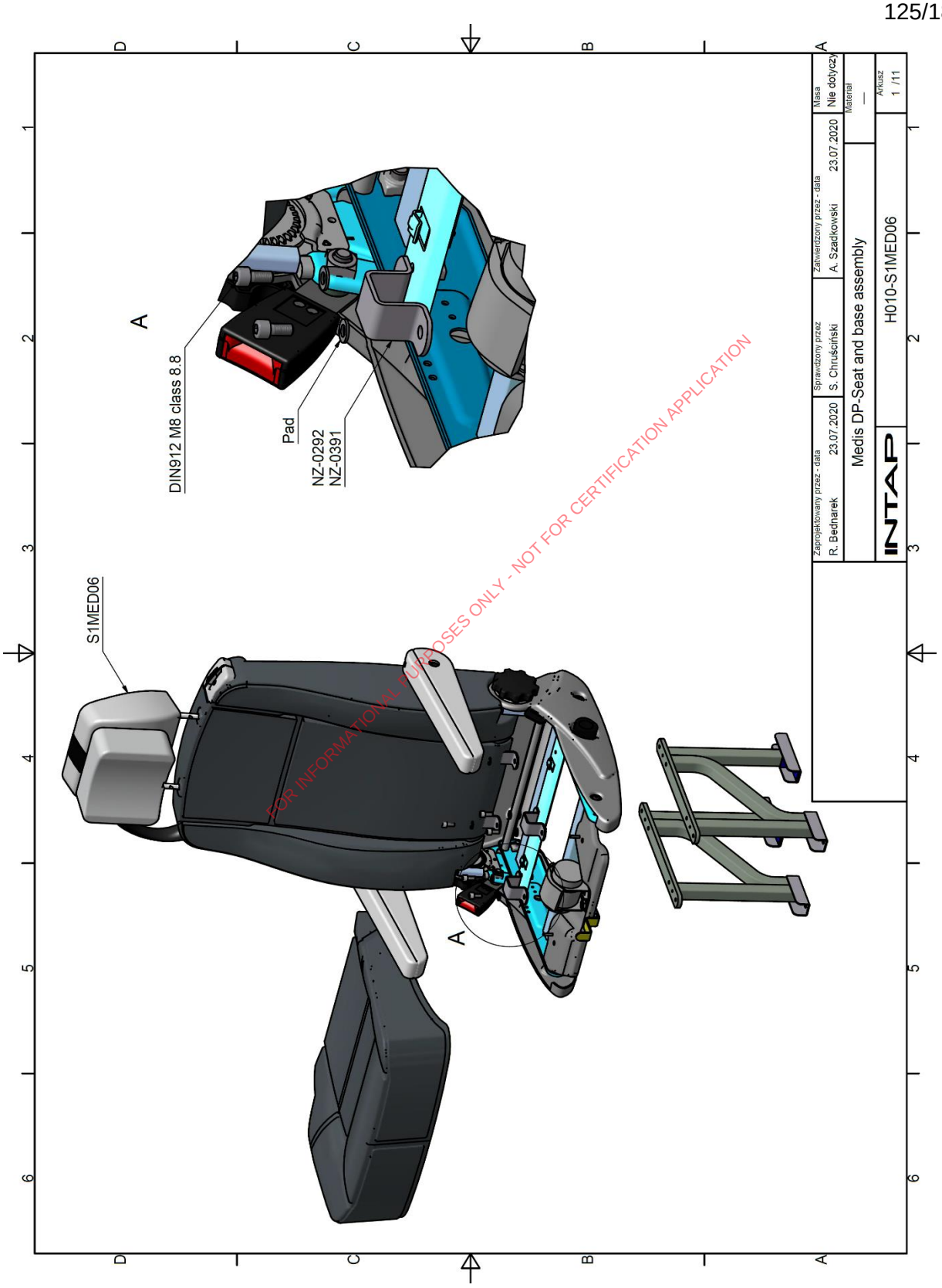
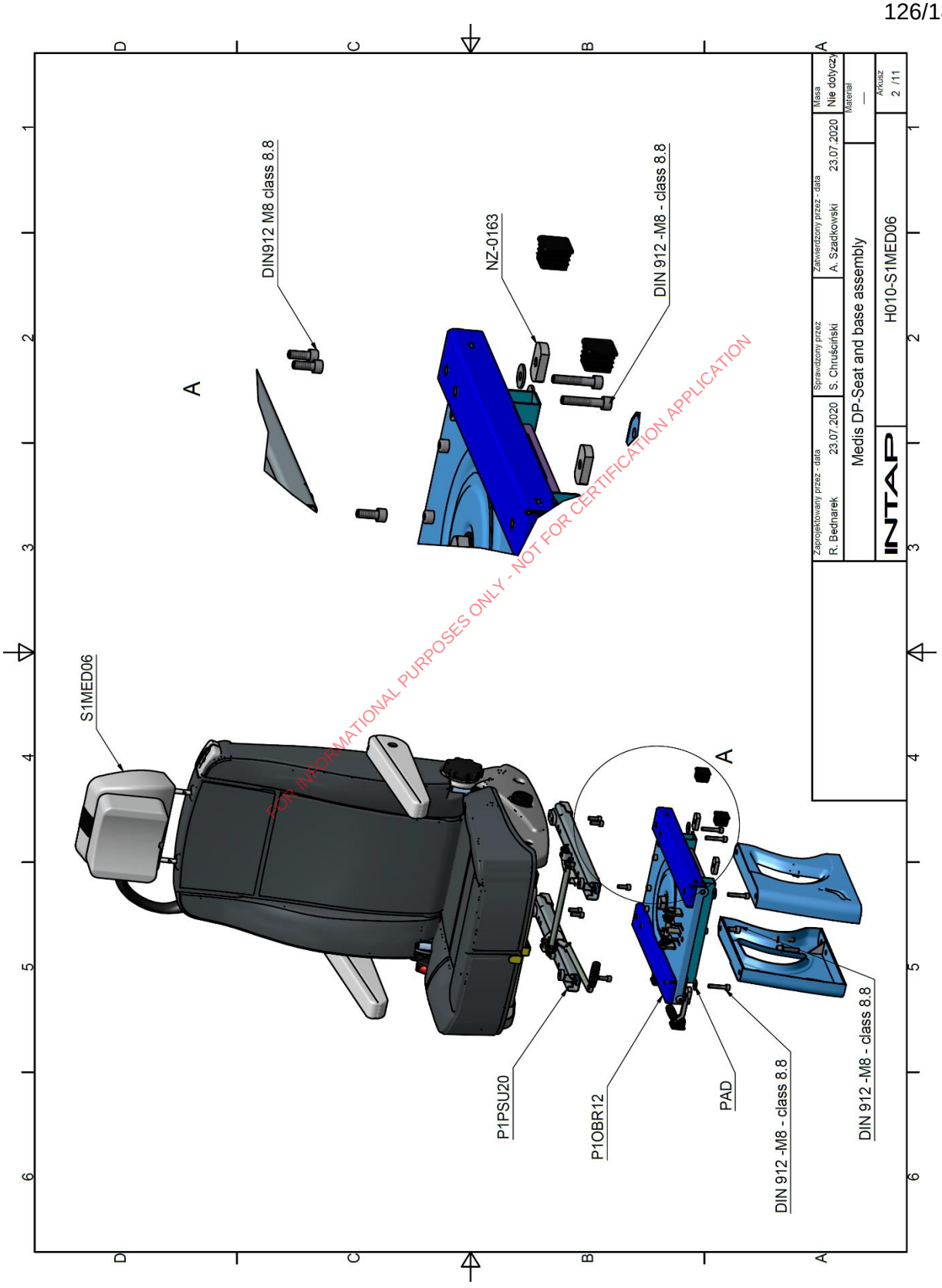
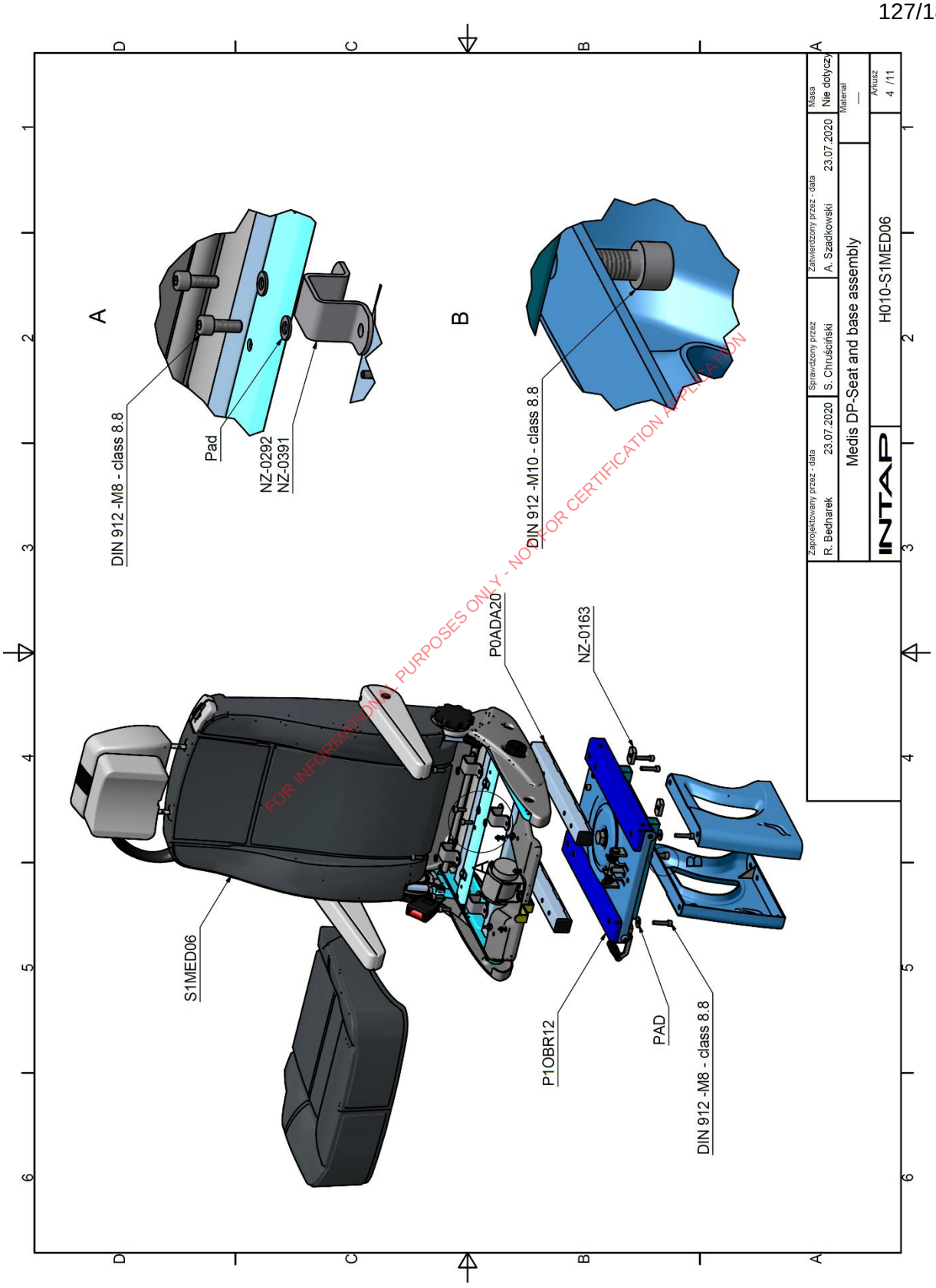



DIN912 M8 class 8.8
NZ-0163
DIN 912 -M8 - class 8.8
A
S1MED06
P1PSU20
P1OBR12
PAD
DIN 912 -M8 - class 8.8
DIN 912 -M8 - class 8.8
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
2 /11
Medis DP-Seat and base assembly
INTAP
H010-S1MED06
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION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Pad
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B
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P1OBR12
PAD
DIN 912 -M8 - class 8.8
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
4 /11
Medis DP-Seat and base assembly
INTAP
H010-S1MED06
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TÜV SÜD Czech s.r.o.

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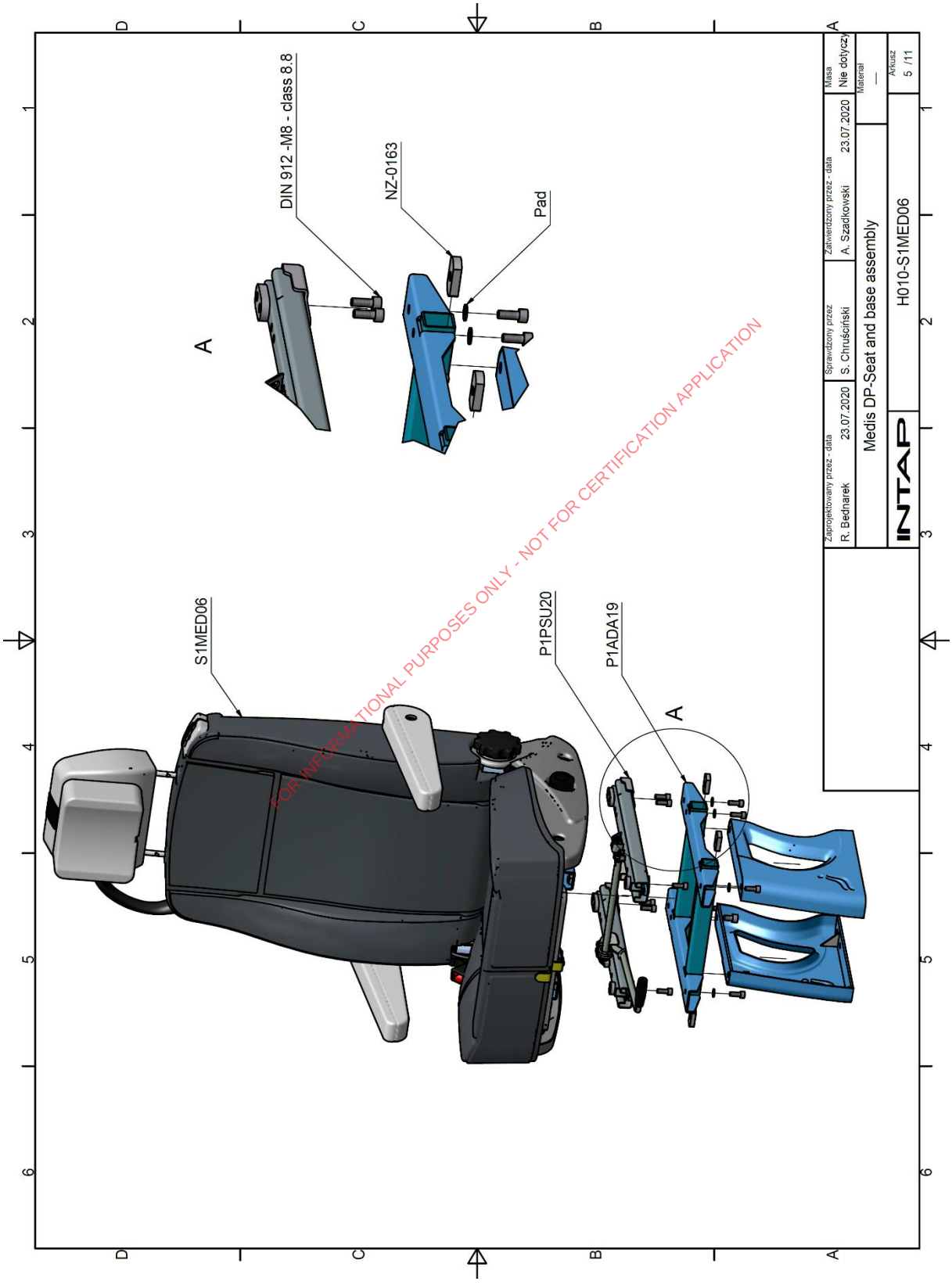
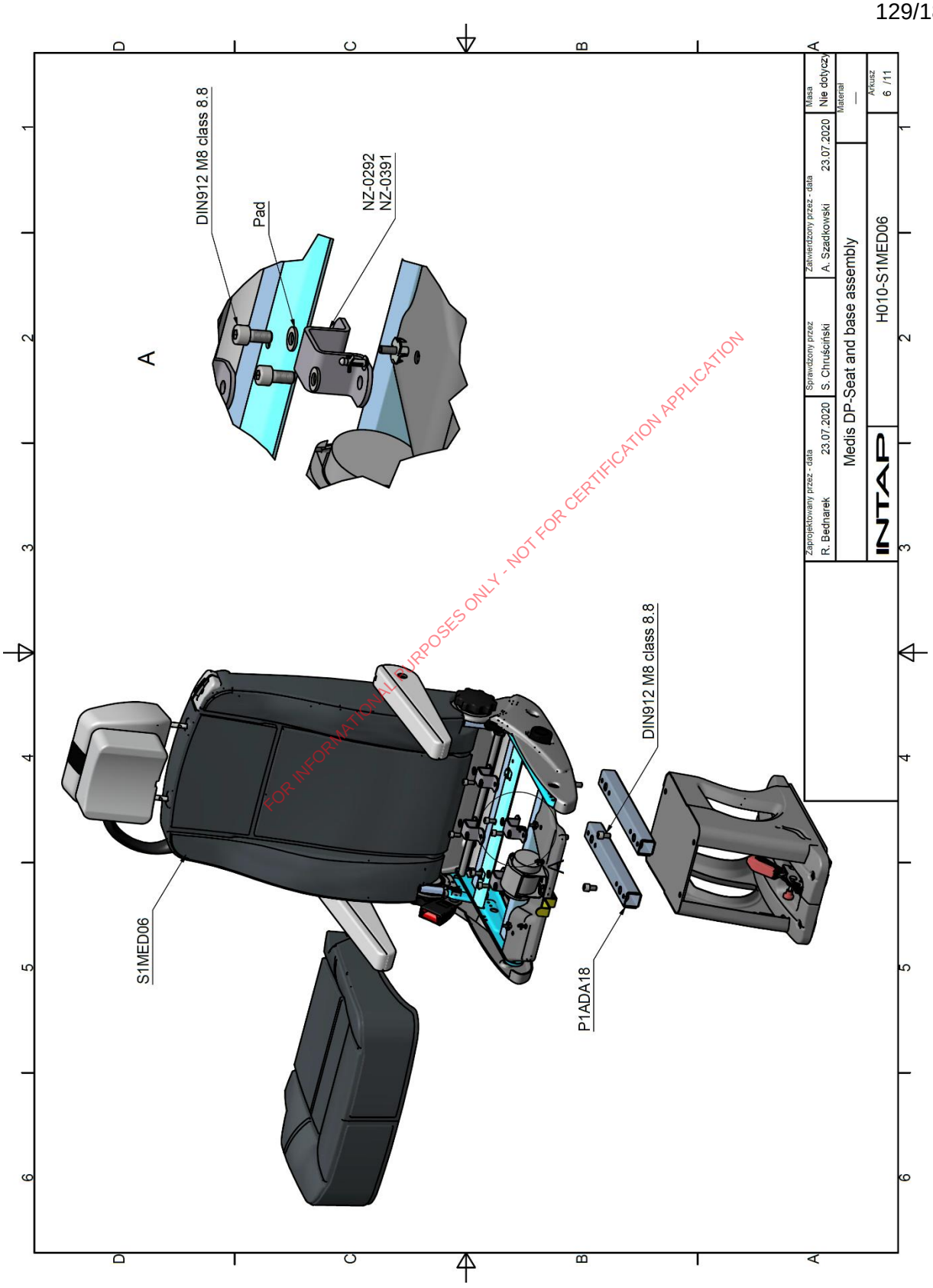
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

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Pad
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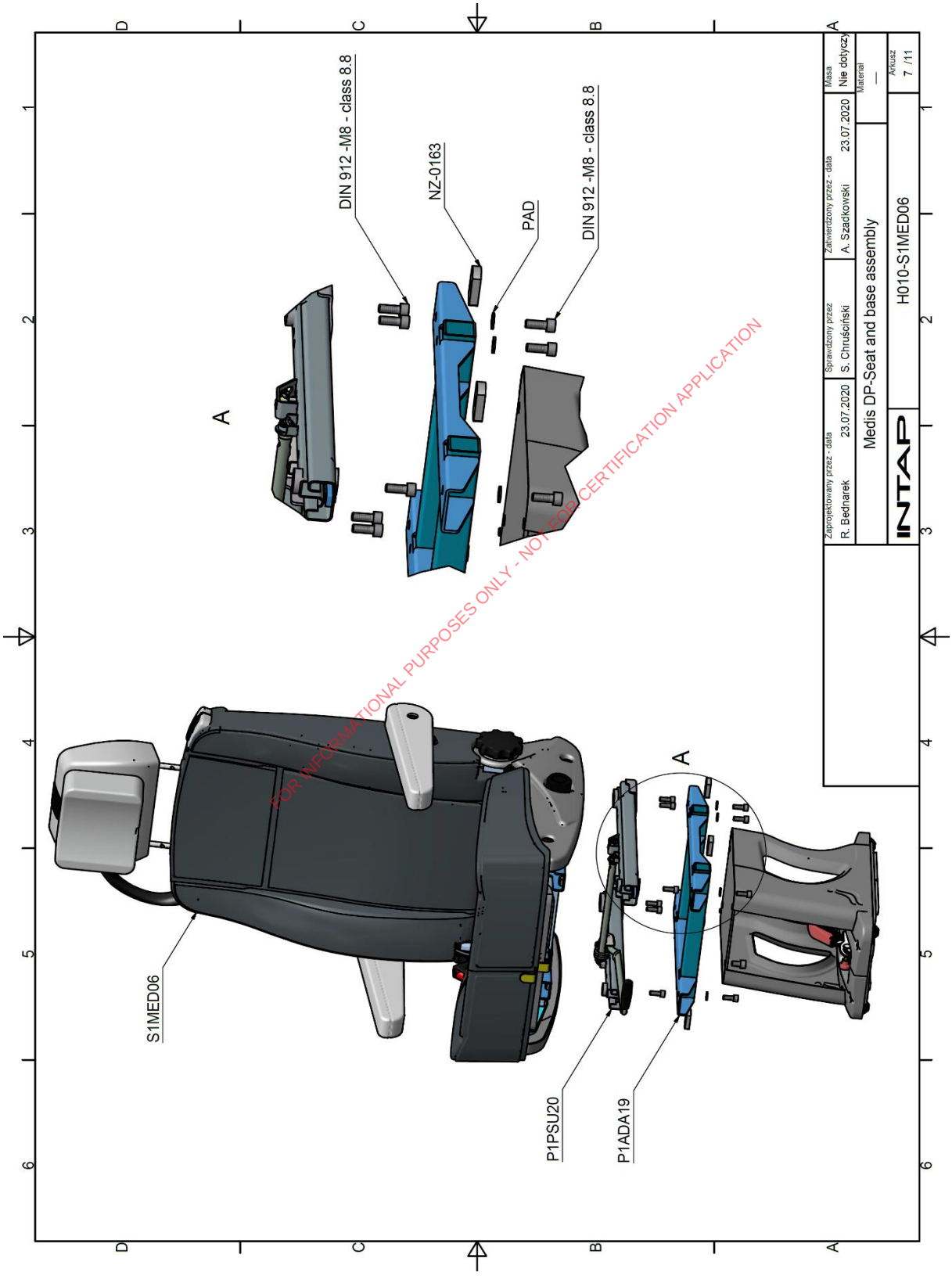
NZ-0391
A
S1MED06
DIN912 M8 class 8.8
P1ADA18
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
R. Bednarek
23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski
23.07.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
6 /11
Medis DP-Seat and base assembly
INTAP
H010-S1MED06


DIN 912 -M8 - class 8.8
NZ-0163
PAD
DIN 912 -M8 - class 8.8
A
S1MED06
P1PSU20
P1ADA19
A
Zaprojektowany przez - data
R. Bednarek 23.07.2020
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S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
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Nie dotyczy
Materiał
—
Arkusz
7 /11
Medis DP-Seat and base assembly
INTAP
H010-S1MED06
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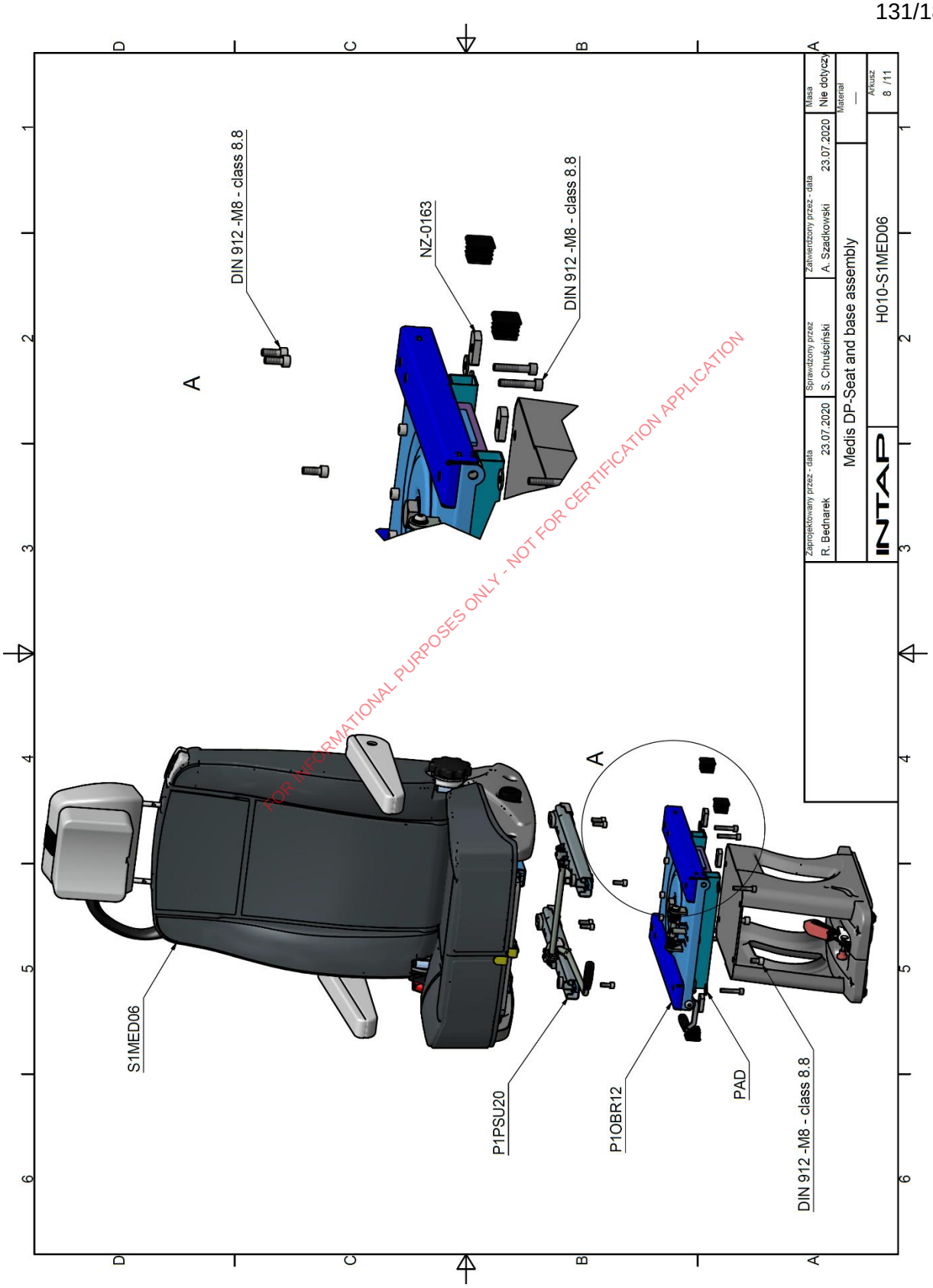
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



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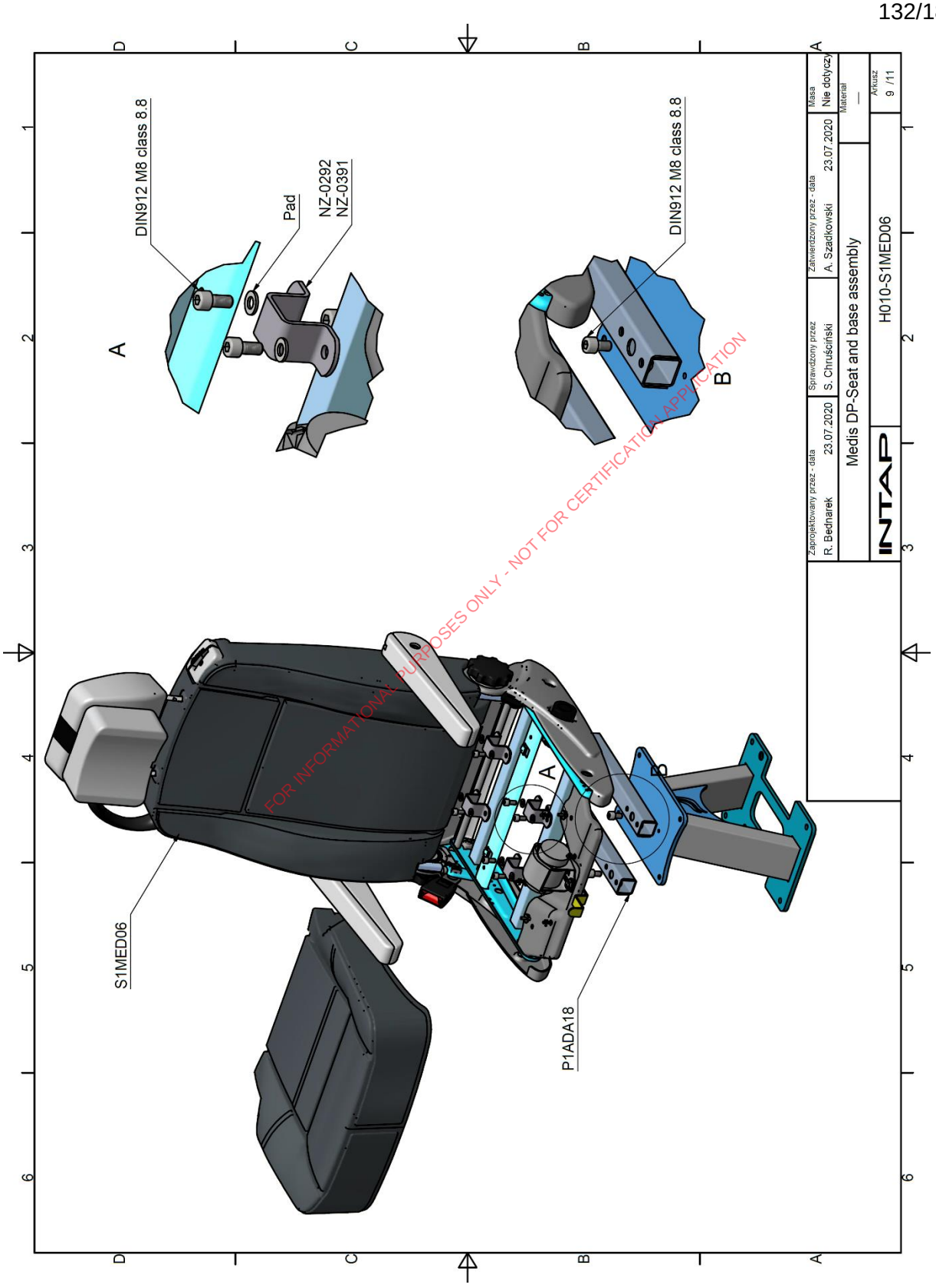

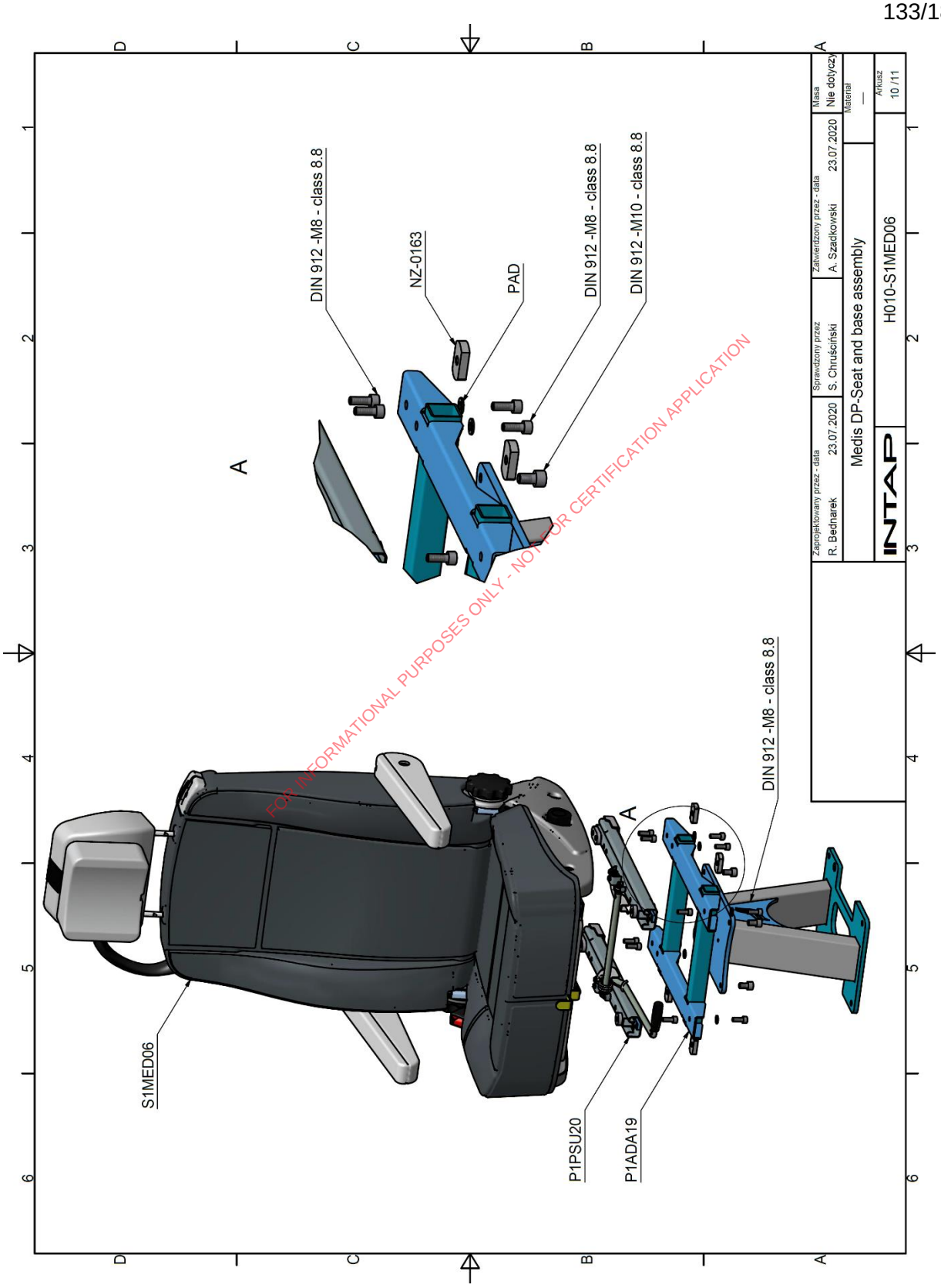
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NZ-0163
PAD
DIN 912 -M8 - class 8.8
DIN 912 -M10 - class 8.8
DIN 912 -M8 - class 8.8
S1MED06
P1PSU20
P1ADA19
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
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Masa
Nie dotyczy
Materiał
—
Arkusz
10 / 11
Medis DP-Seat and base assembly
INTAP
H010-S1MED06
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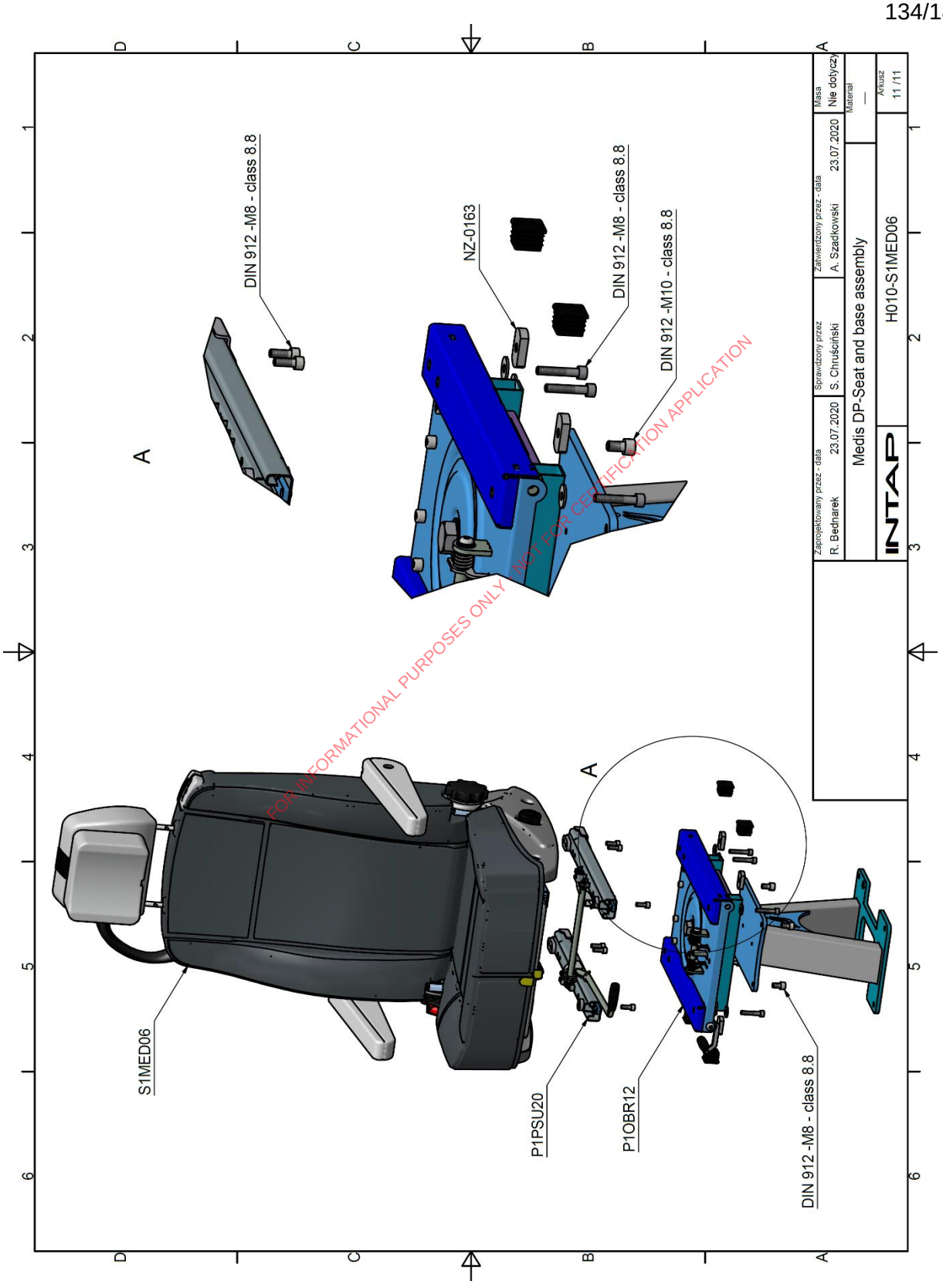
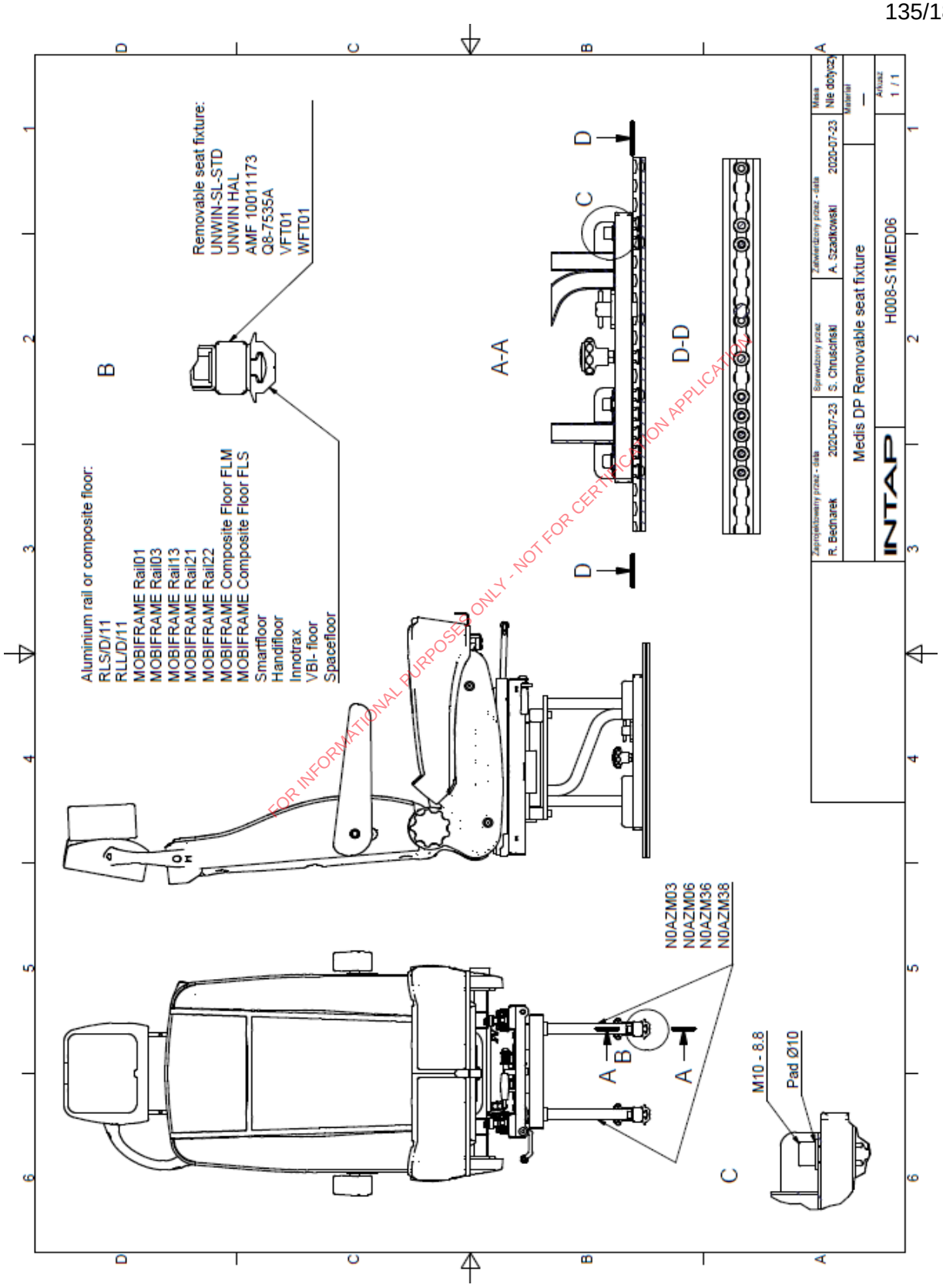
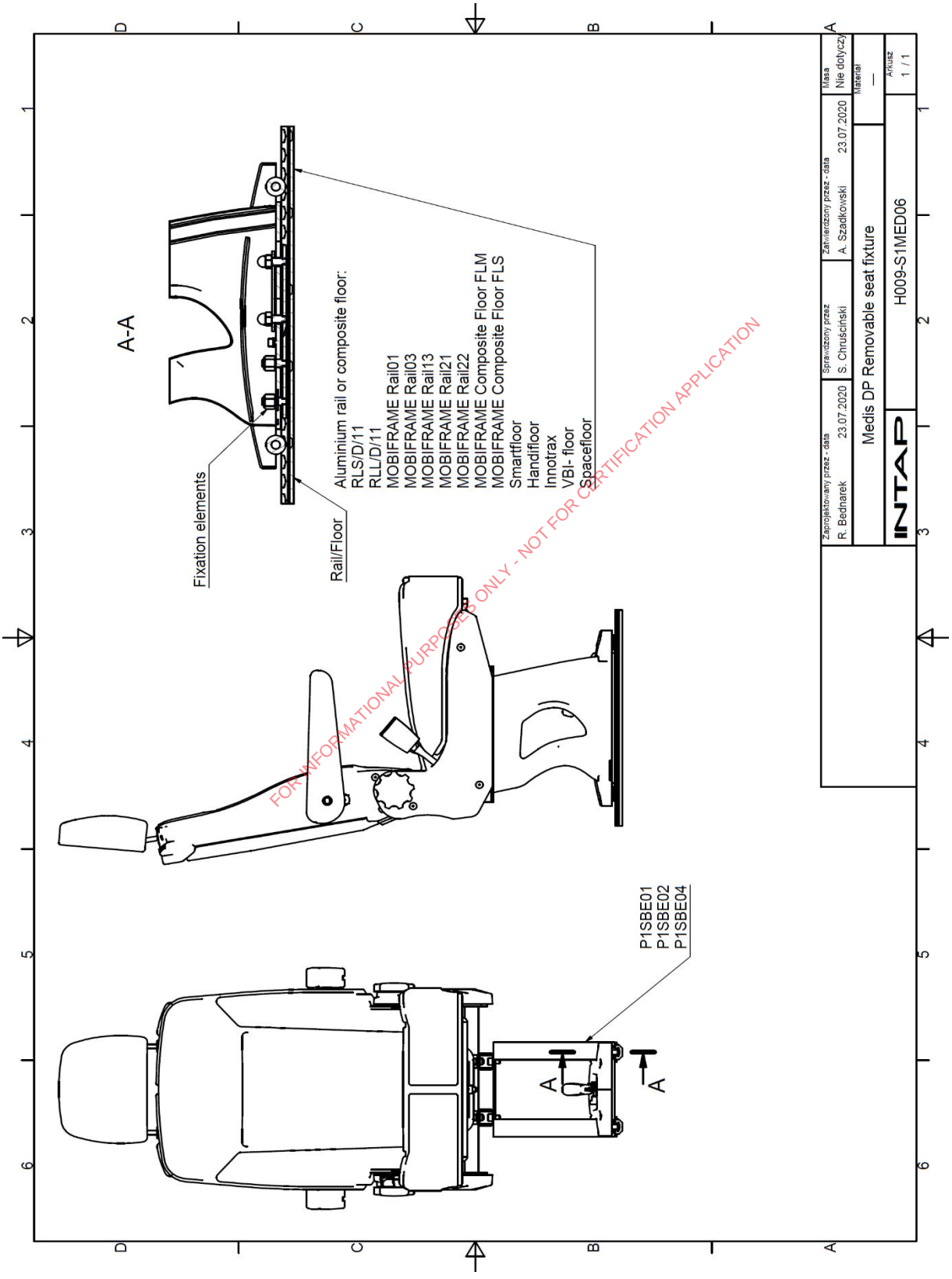
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

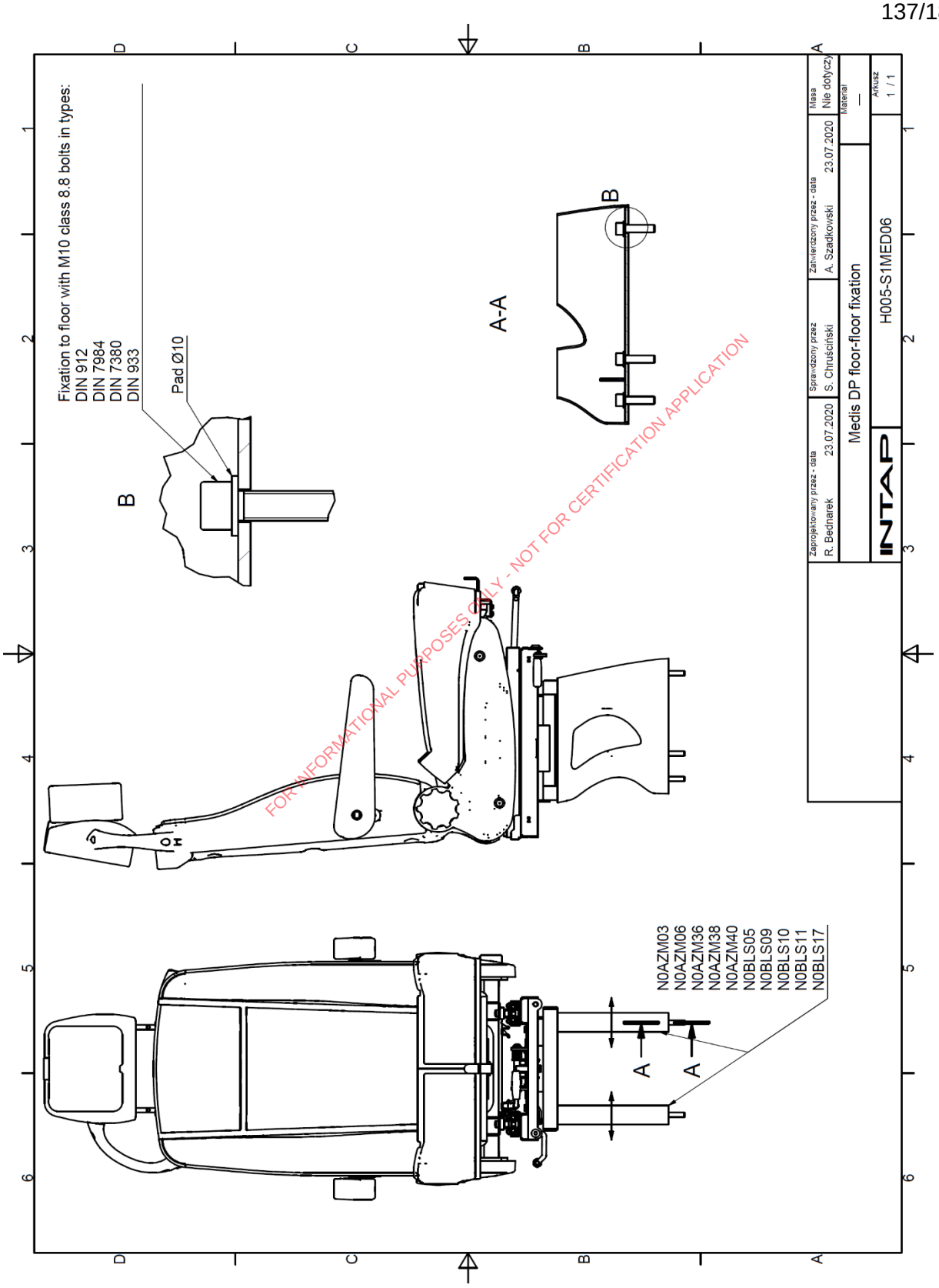
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




A-A
Fixation elements
Rail/Floor
Aluminium rail or composite floor:
RLS/D/11
RLL/D/11
MOBIFRAME Rail01
MOBIFRAME Rail03
MOBIFRAME Rail13
MOBIFRAME Rail21
MOBIFRAME Rail22
MOBIFRAME Composite Floor FLM
MOBIFRAME Composite Floor FLS
Smartfloor
Handifloor
Innotrax
VBI- floor
Spacefloor
P1SBE01
P1SBE02
P1SBE04
A
A
Zaprojektowany przez - data
R. Bednarek 23.07.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 23.07.2020
Medis DP Removable seat fixture
INTAP
H009-S1MED06
Masa
Nie dotyczy
Materiał
—
Arkusz
1 / 1
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

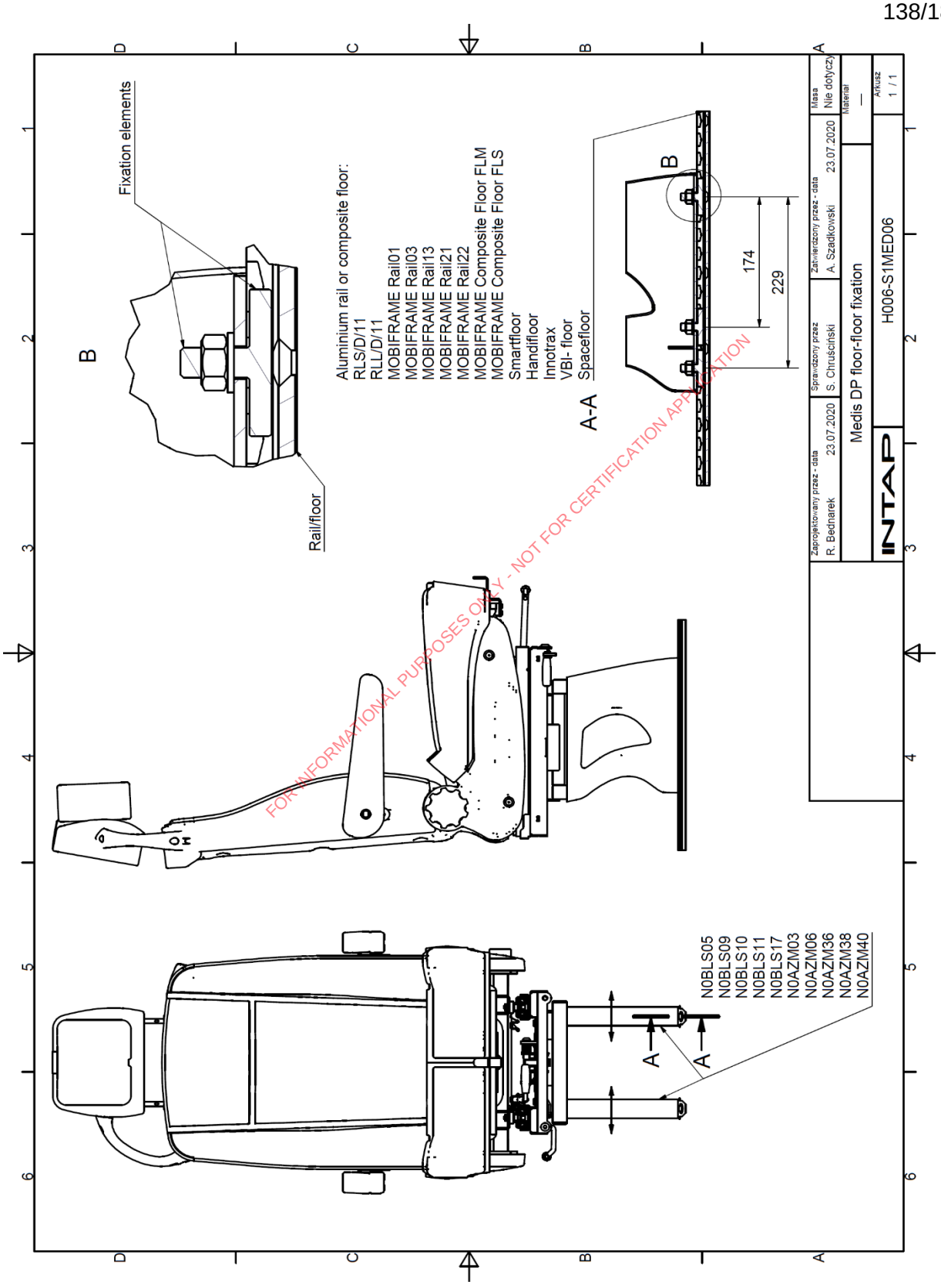
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



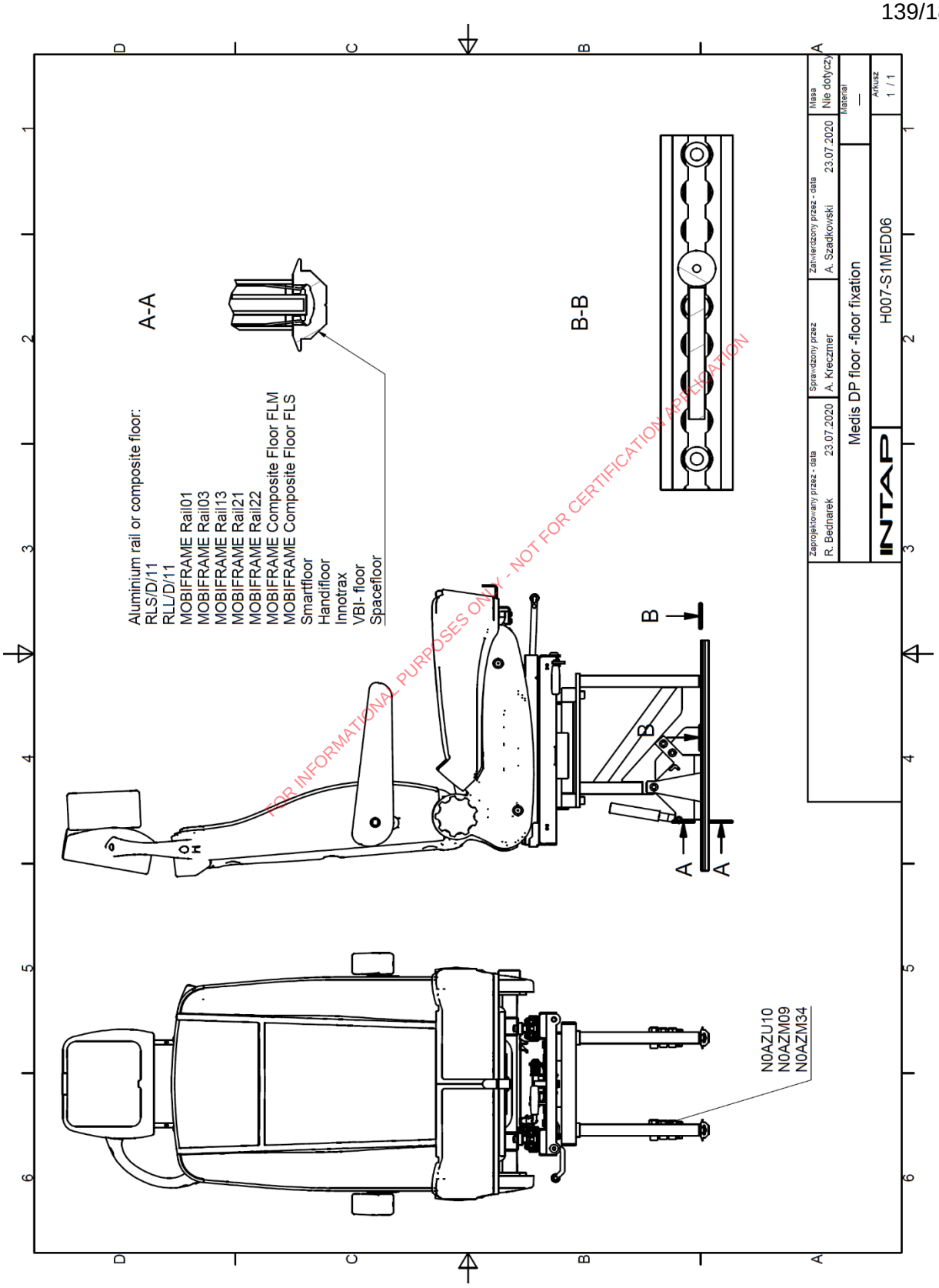
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

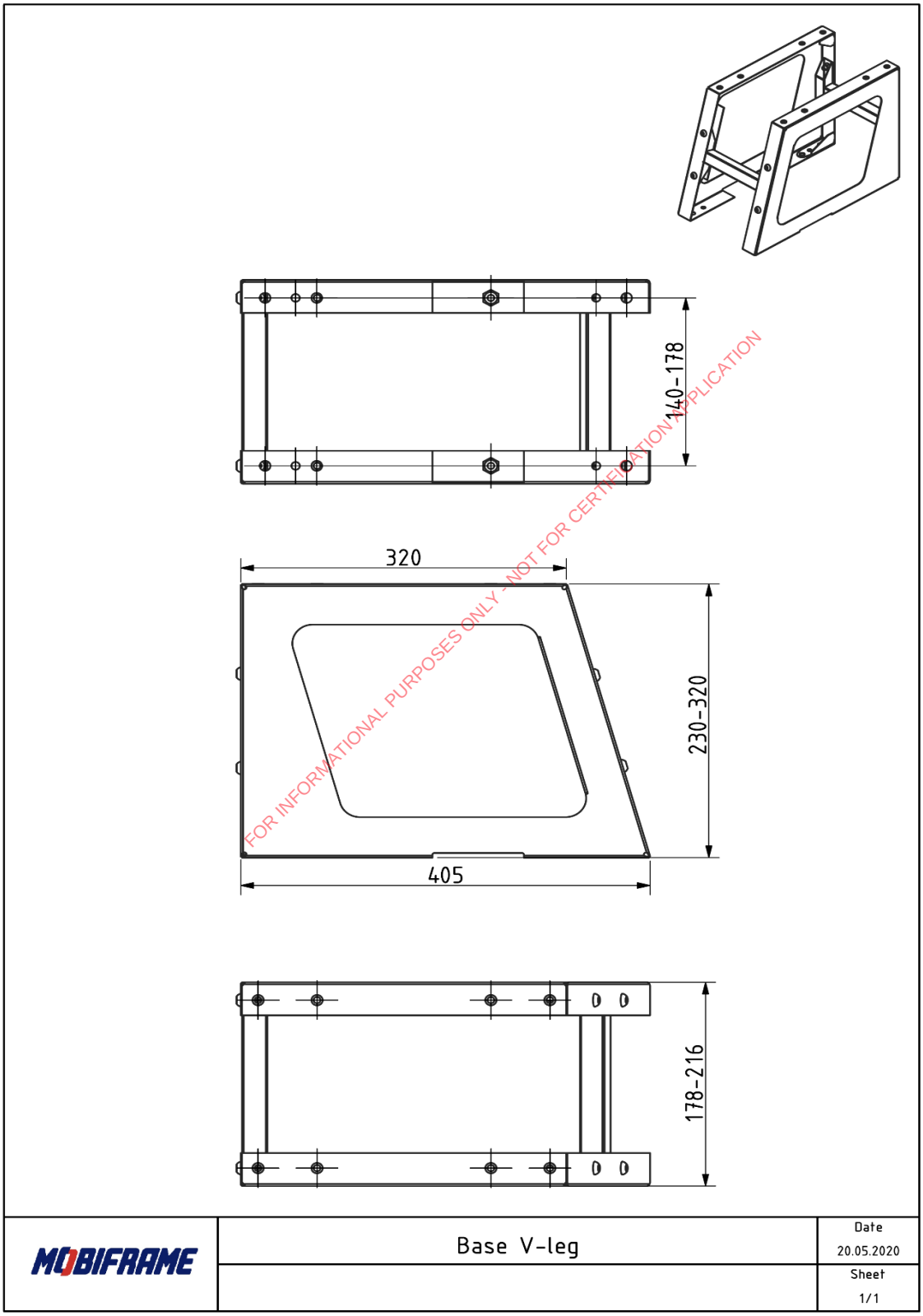
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

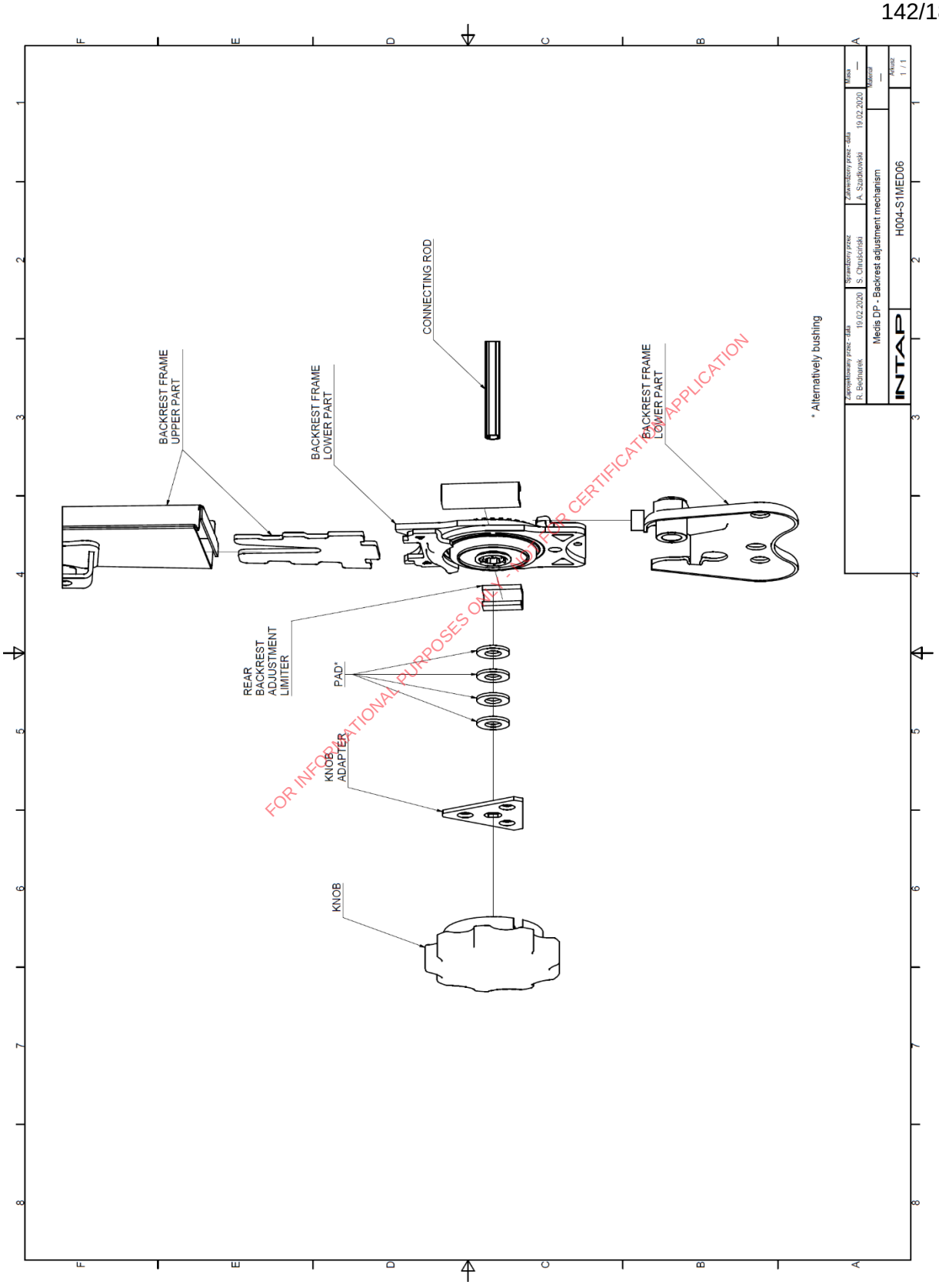


TAB 1. Configuration of rails with fixation elements		
Rail	**Rear fixation**	**Front fixation**
UNWIN RLS, RLL, MOBIFRAME Composite Floor FLS / FLM, MOBIFRAME Rail01 MOBIFRAME Rail21 MOBIFRAME Rail22	TMI TMI-17 TMDS LCK-04 LCK-06	TMI TMI-17 LCK-04 LCK-06
MOBIFRAME Rail03 or MOBIFRAME Rail13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13

TAB 2. Configuration of bolt/nut size with fixation elements	
TMI	M8
TMI - 17	M10
TMDS	M8
OKBeeBLOCK 03 / BLK-03 OKBeeBLOCK 13 / BLK-013	M10
LCK-04 LCK-05	M8

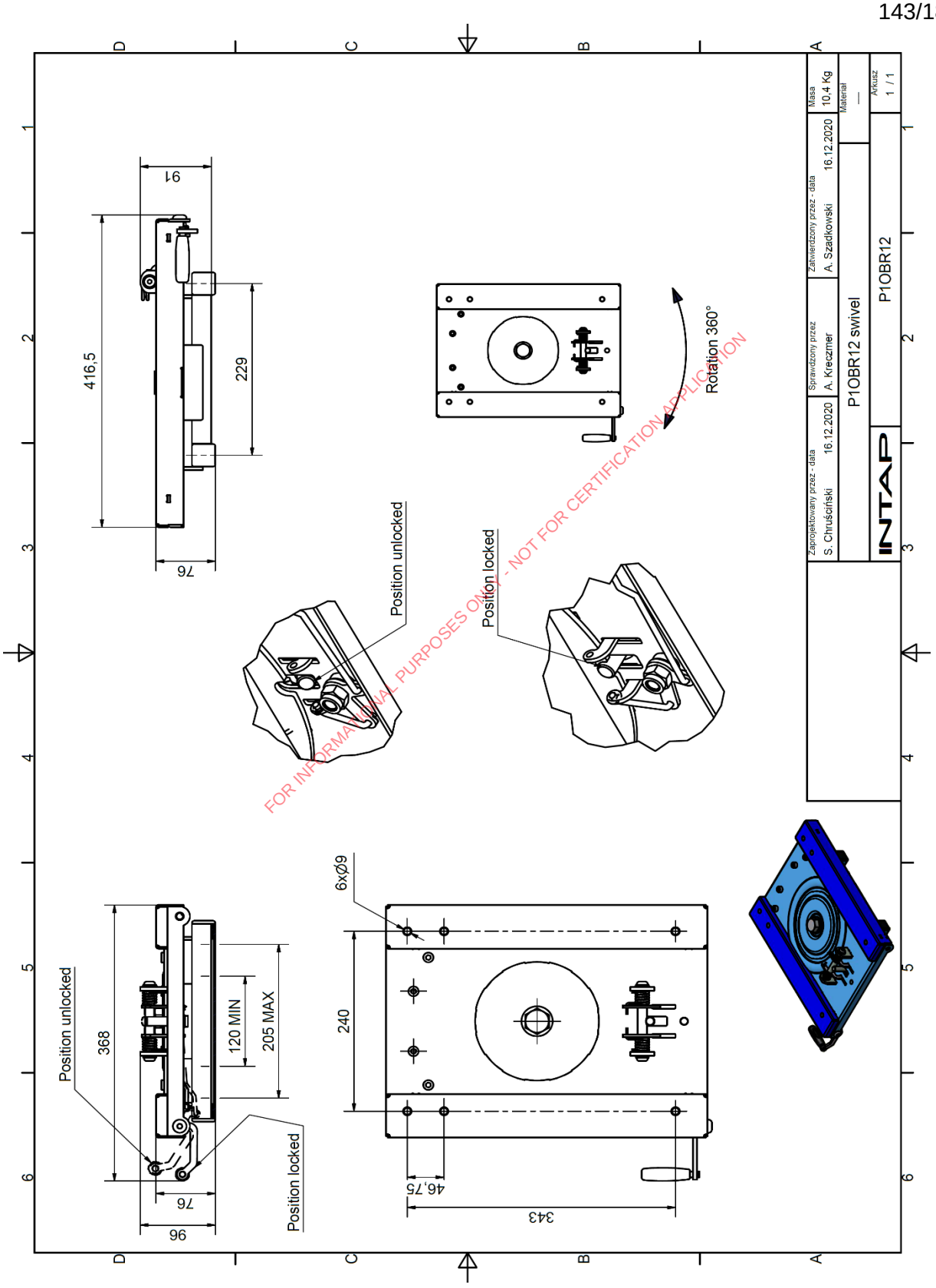
Zaprojektowany przez - data Ł.Dumka - 13.03.2020	Sprawdzony przez S. Chruściński	Zatwierdzony przez - data A. Szadkowski - 13.03.2020	Masa -
fixation elements			Materiał -
INTAP	H019 - TAB. 1 / TAB. 2		1 z 1


140–178
320
230–320
405
178–216
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
MOBIFRAME
Base V-leg
Date
20.05.2020
Sheet
1/1


BACKREST FRAME UPPER PART
BACKREST FRAME LOWER PART
CONNECTING ROD
BACKREST FRAME LOWER PART
* Alternatively bushing
REAR BACKREST ADJUSTMENT LIMITER
PAD*
KNOB ADAPTER
KNOB
INTAP
Medis DP - Backrest adjustment mechanism
H004-S1MED06
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

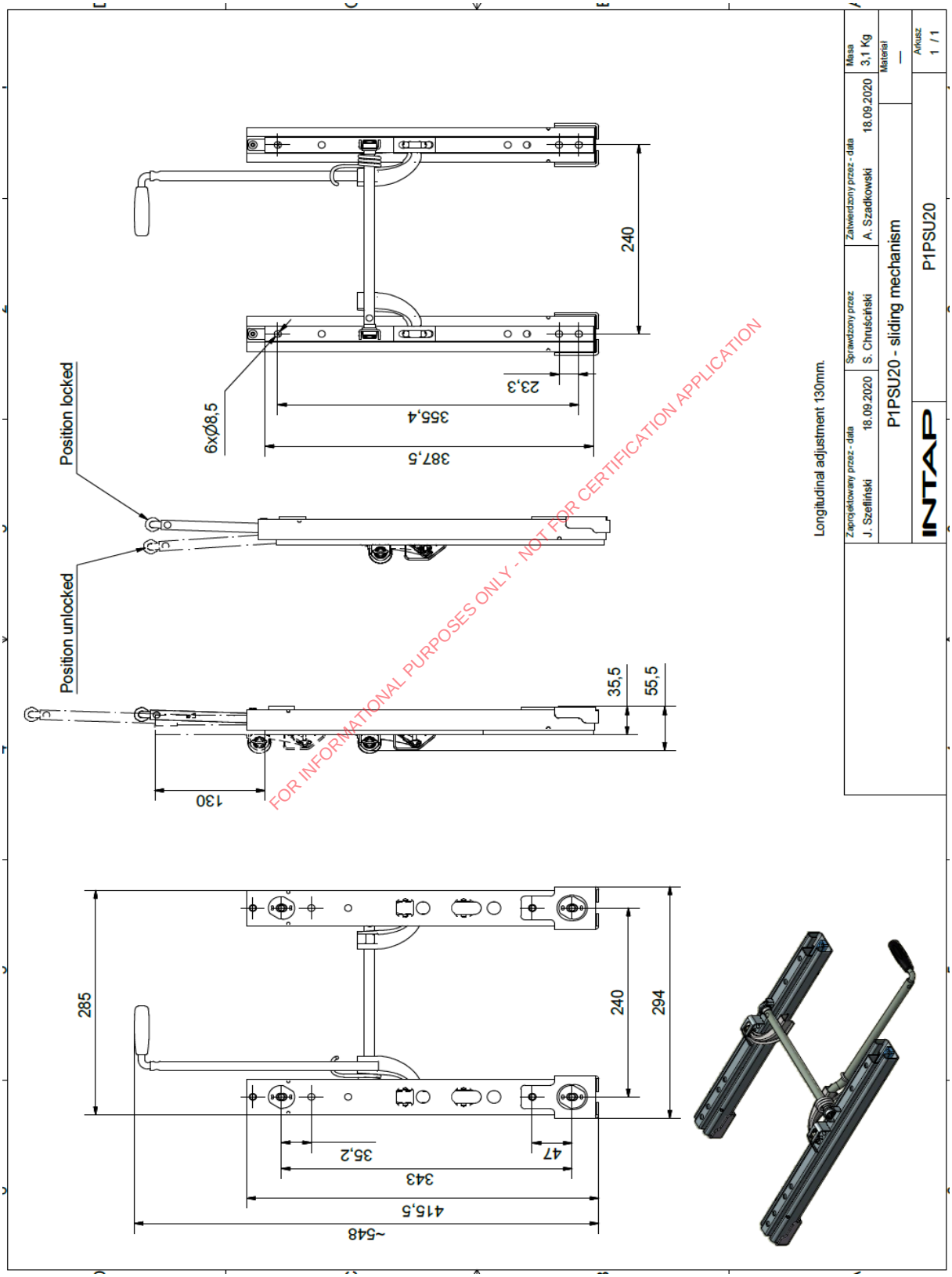
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



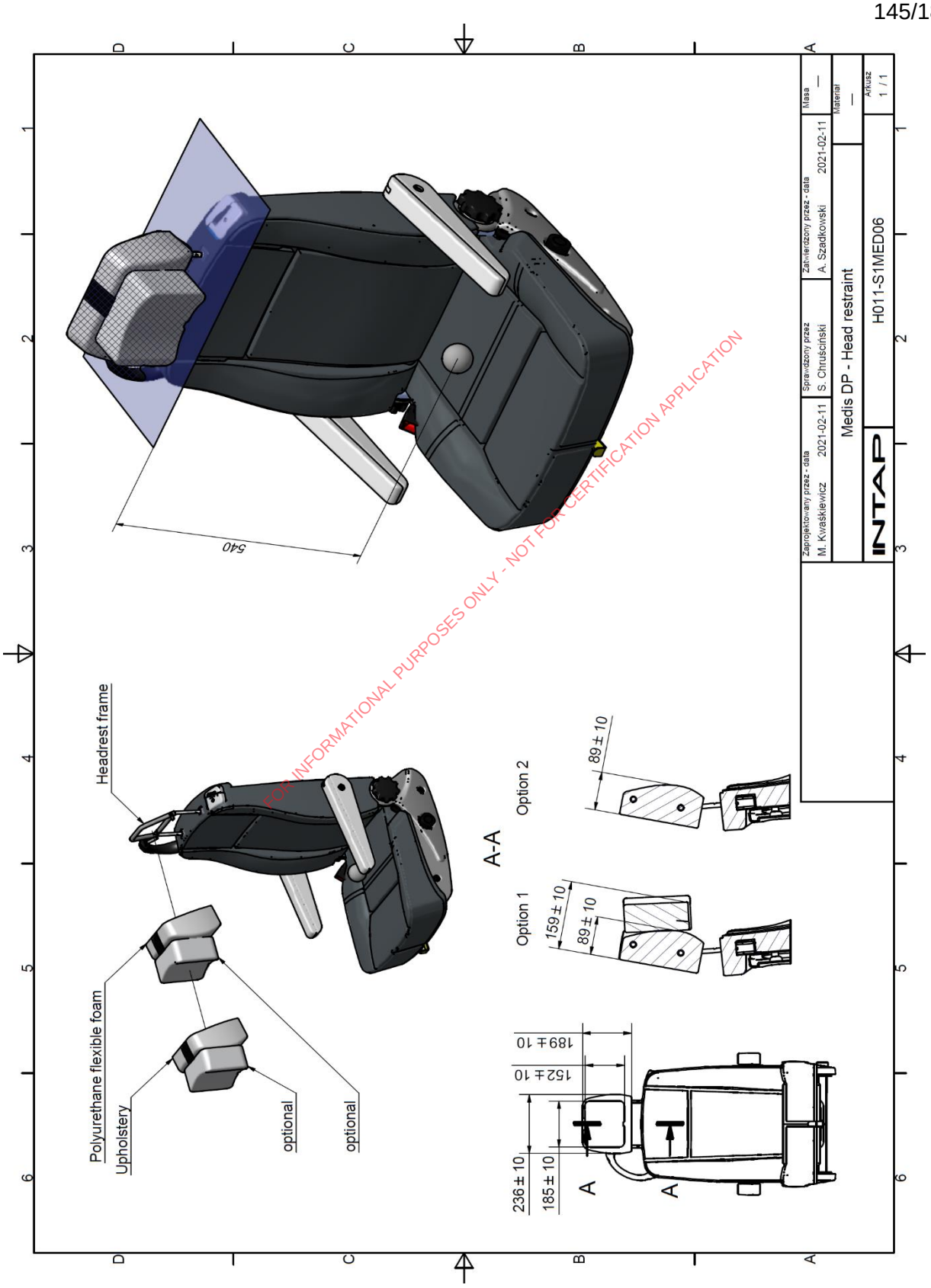
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

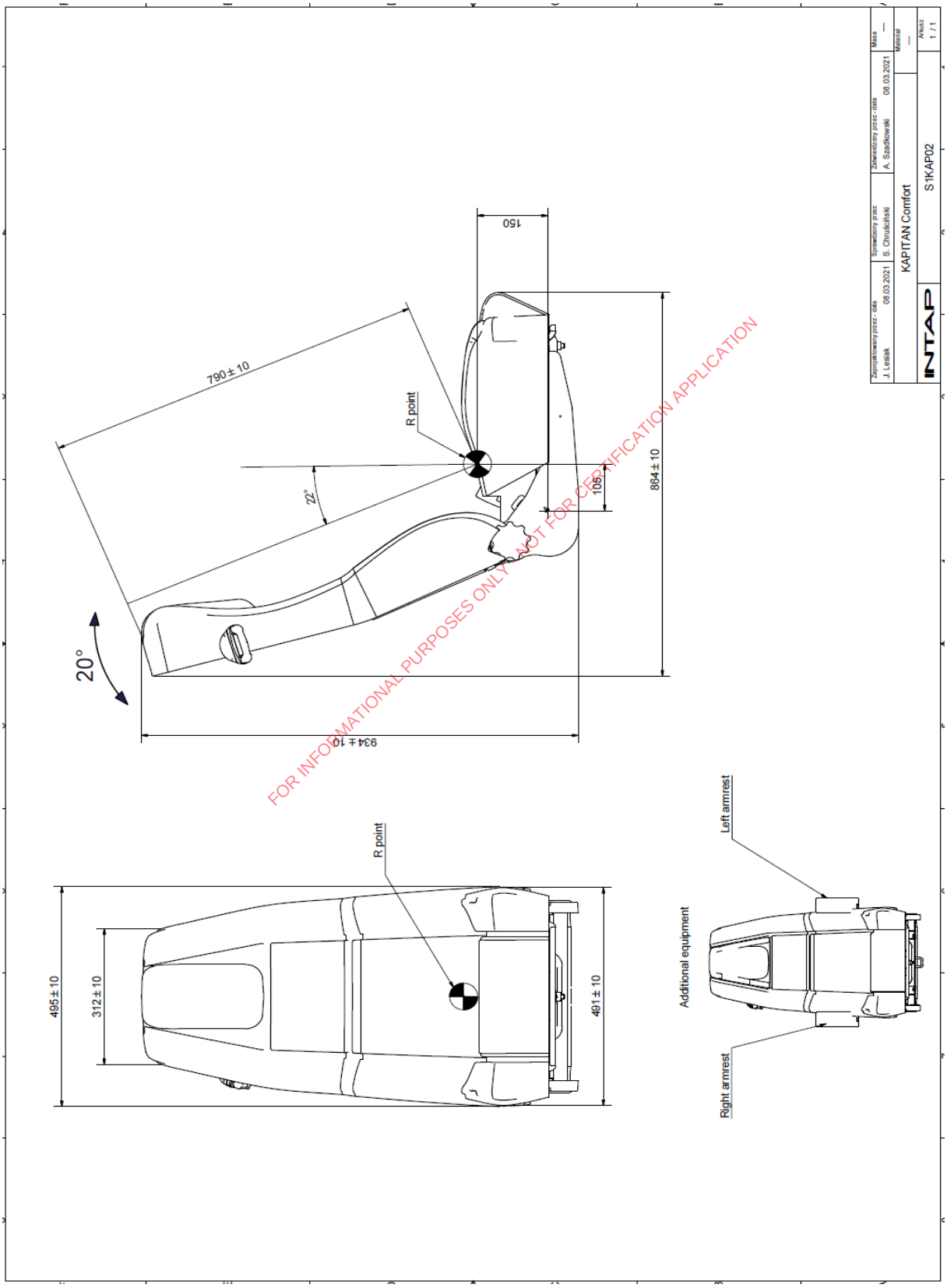


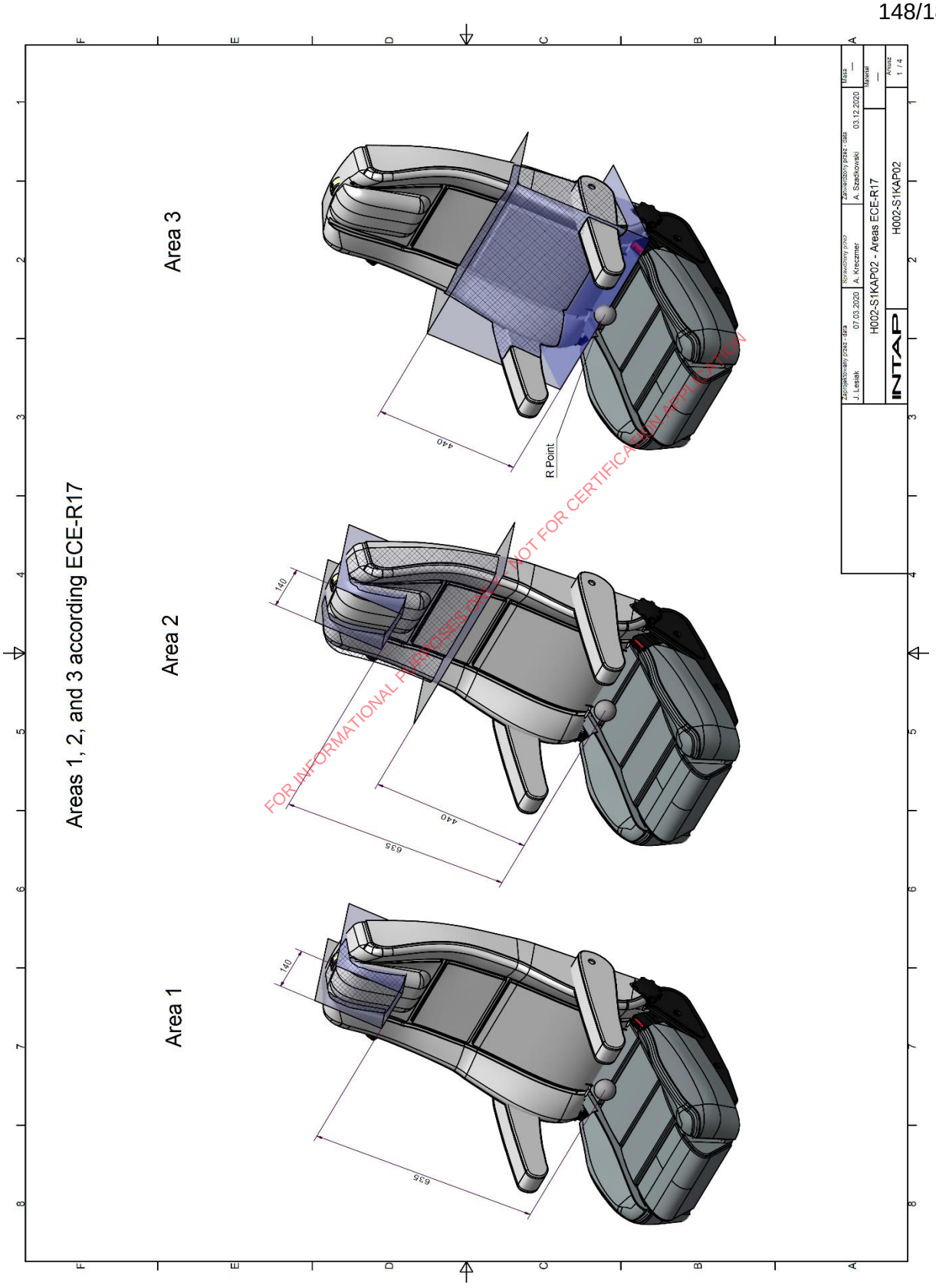
Drawings: Seat S1KAP02

Kapitan Comfort S1KAP02

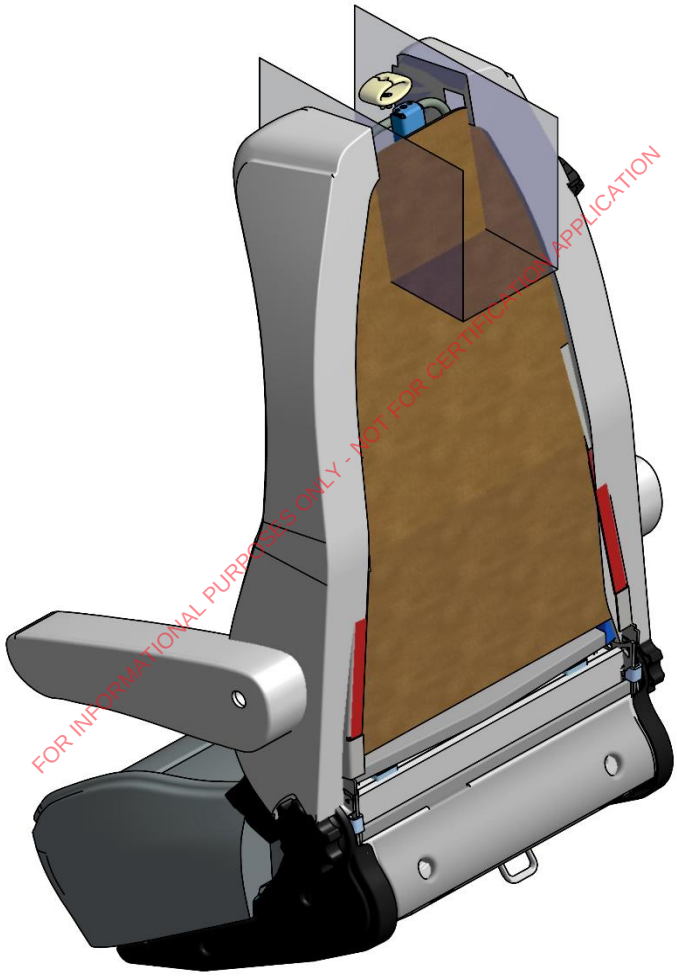
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



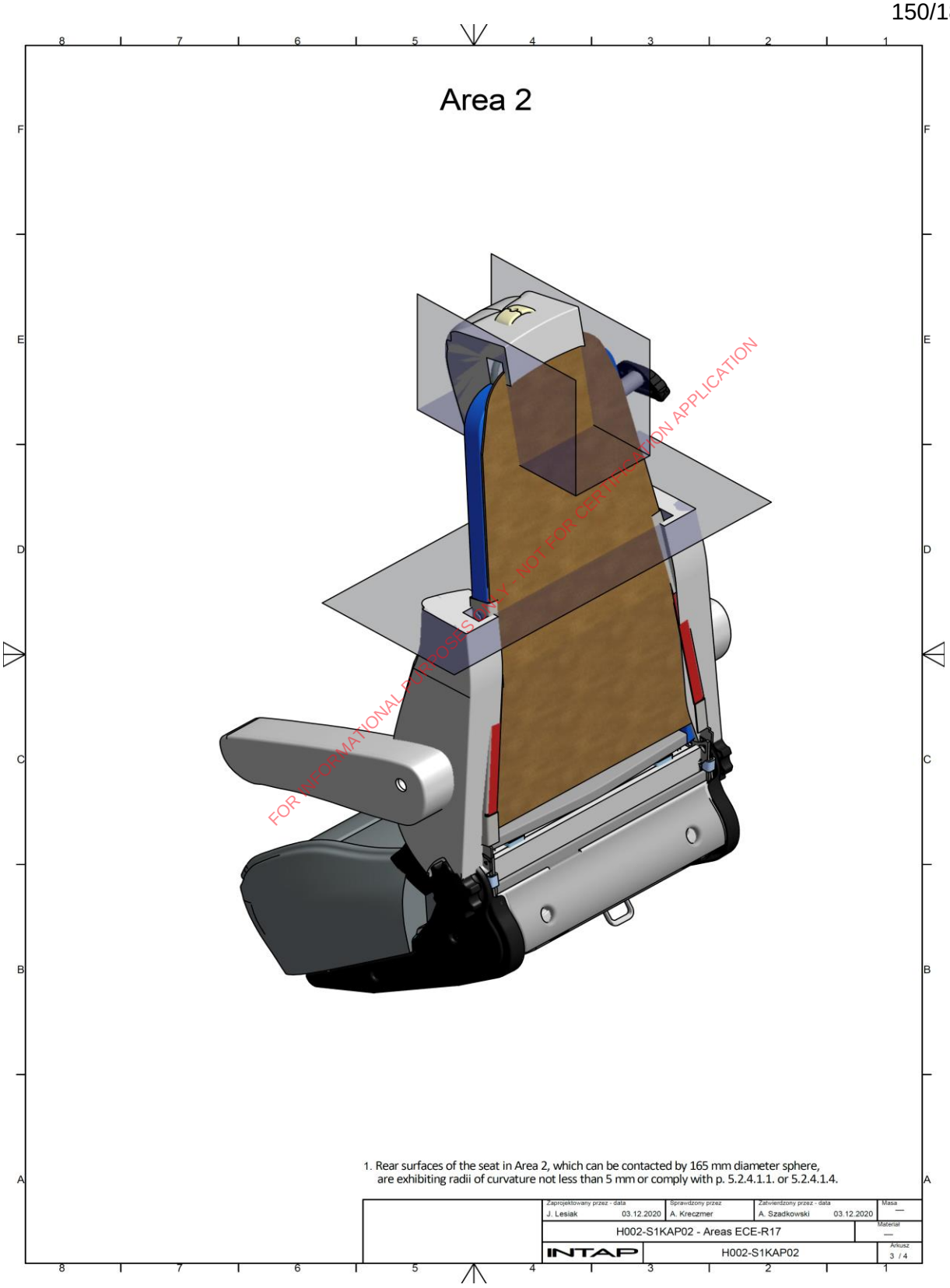

Areas 1, 2, and 3 according ECE-R17
Area 3
Area 2
Area 1
R Point
440
140
635
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
INTAP
H002-S1KAP02 - Areas ECE-R17
H002-S1KAP02

Area 1

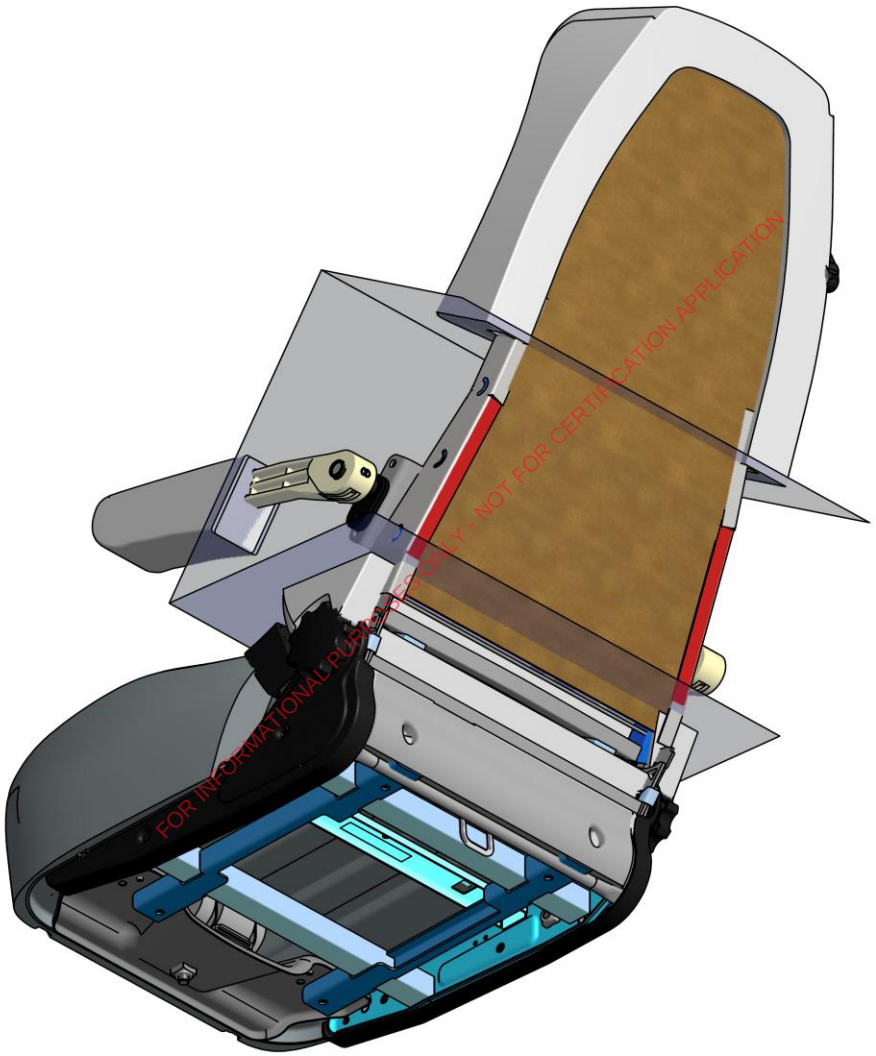


1. Rear surfaces of the seat in Area 1, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 2,5 mm.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
J. Lesiak 07.03.2020	A. Kreczmer	A. Szadkowski 03.12.2020	—
H002-S1KAP02 - Areas ECE-R17			Materiał —
INTAP	H002-S1KAP02		Arkusz 2 / 4

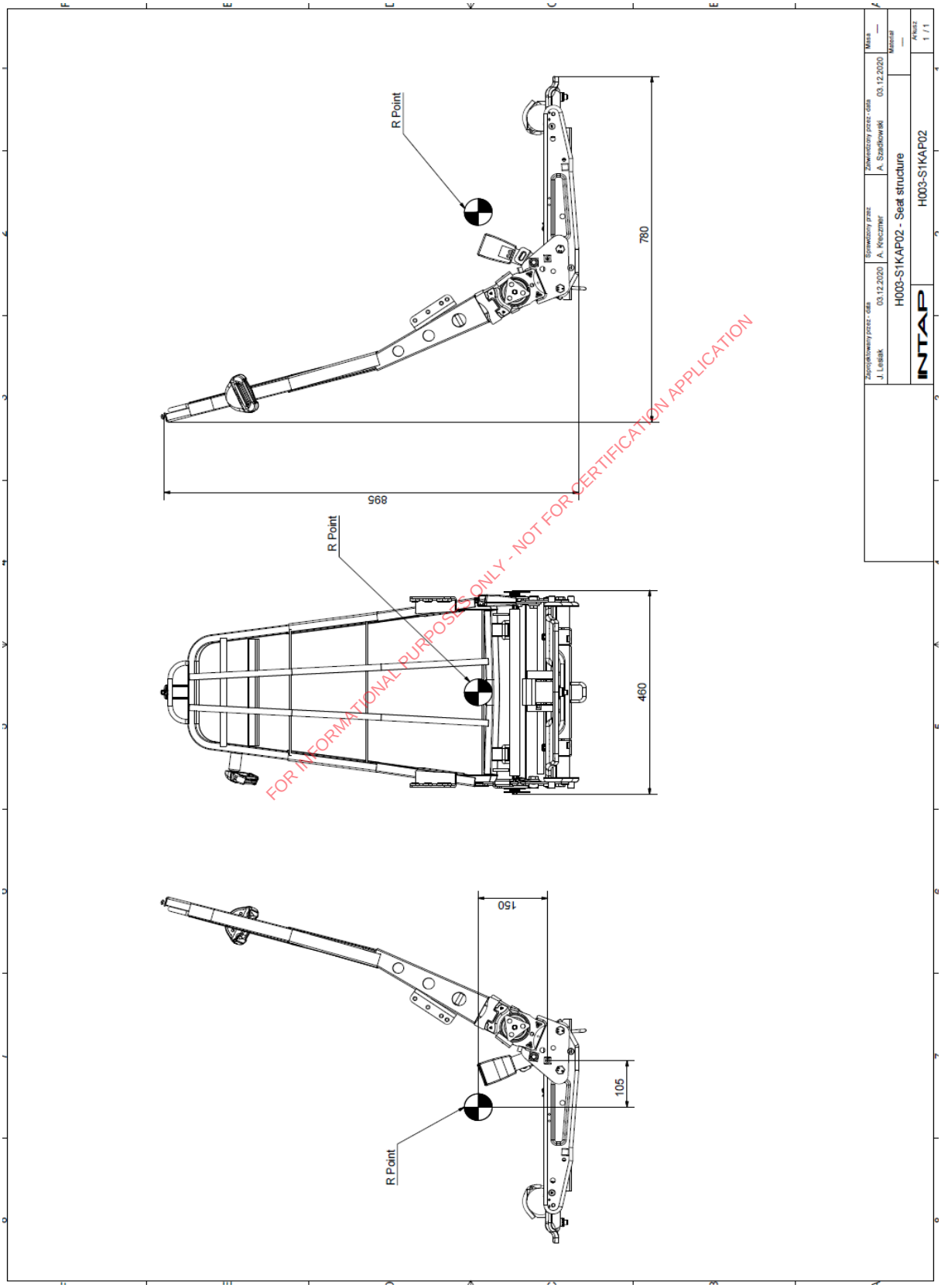

Area 2
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
1. Rear surfaces of the seat in Area 2, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 5 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.
Zaprojektowany przez - data J. Lesiak 03.12.2020
Sprawdzony przez A. Kreczmer
Zatwierdzony przez - data A. Szadkowski 03.12.2020
Masa —
H002-S1KAP02 - Areas ECE-R17
Material —
INTAP
H002-S1KAP02
Arkusz 3 / 4

Area 3



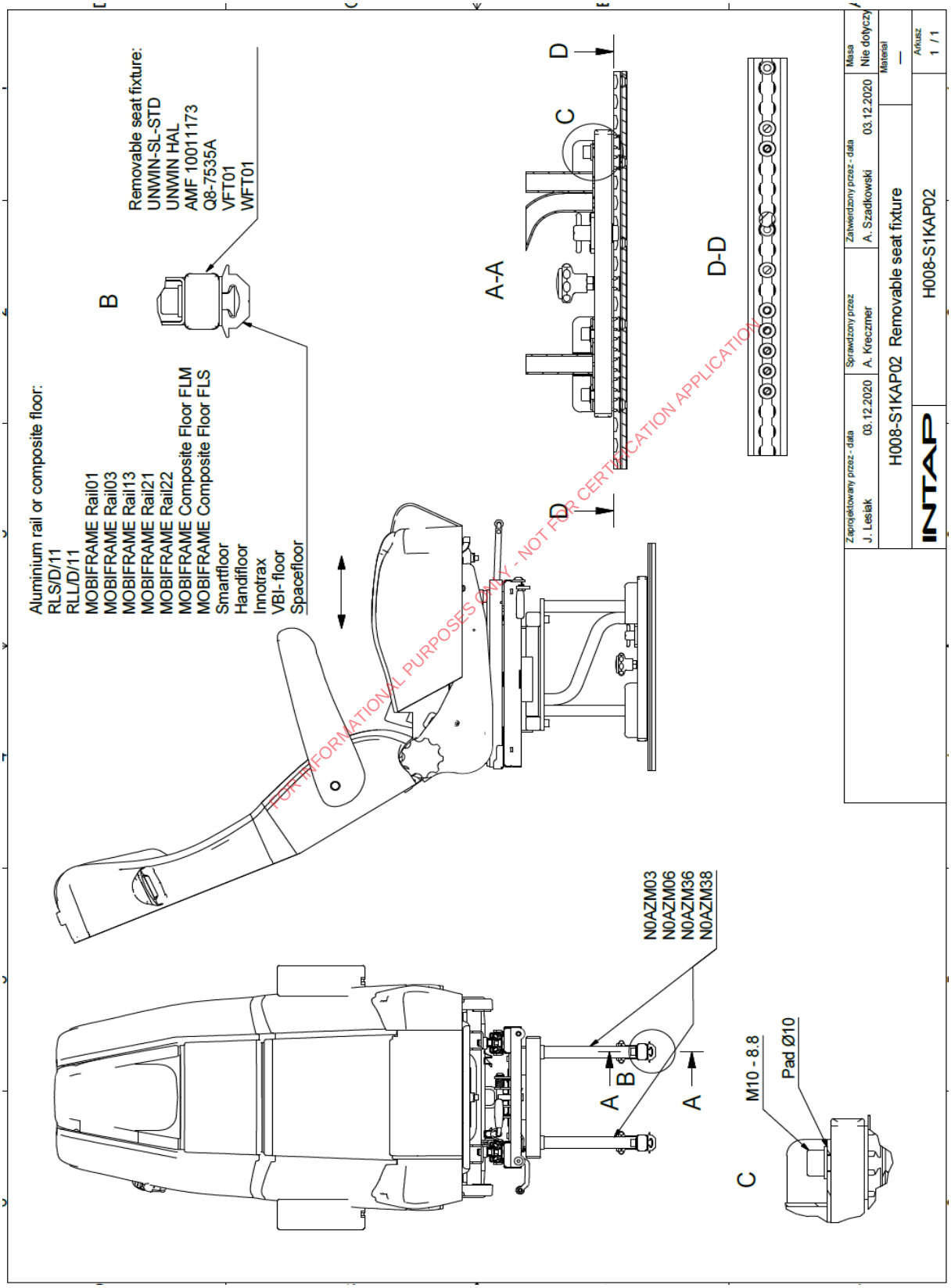
1. Rear surfaces of the seat in Area 3, which can be contacted by 165 mm diameter sphere, are exhibiting radii of curvature not less than 3,2 mm or comply with p. 5.2.4.1.1. or 5.2.4.1.4.

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
J. Lesiak 03.12.2020	A. Kreczmer	A. Szadkowski 03.12.2020	—
H002-S1KAP02 - Areas ECE-R17			Materiał —
INTAP	H002-S1KAP02		Arkusz 4 / 4


R Point
780
896
R Point
460
150
105
R Point
INTAP
H003-S1KAP02 - Seat structure
H003-S1KAP02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

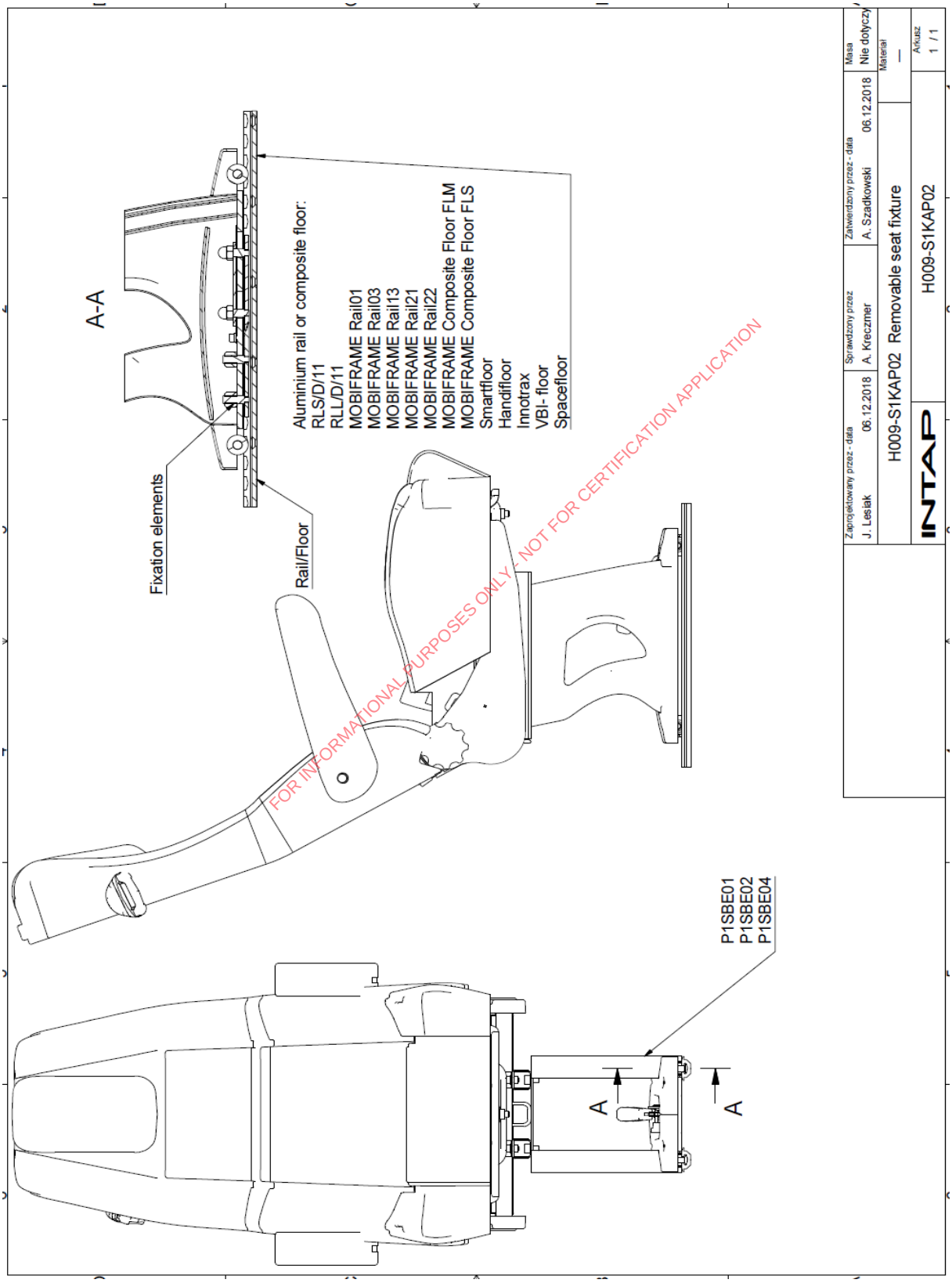
TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



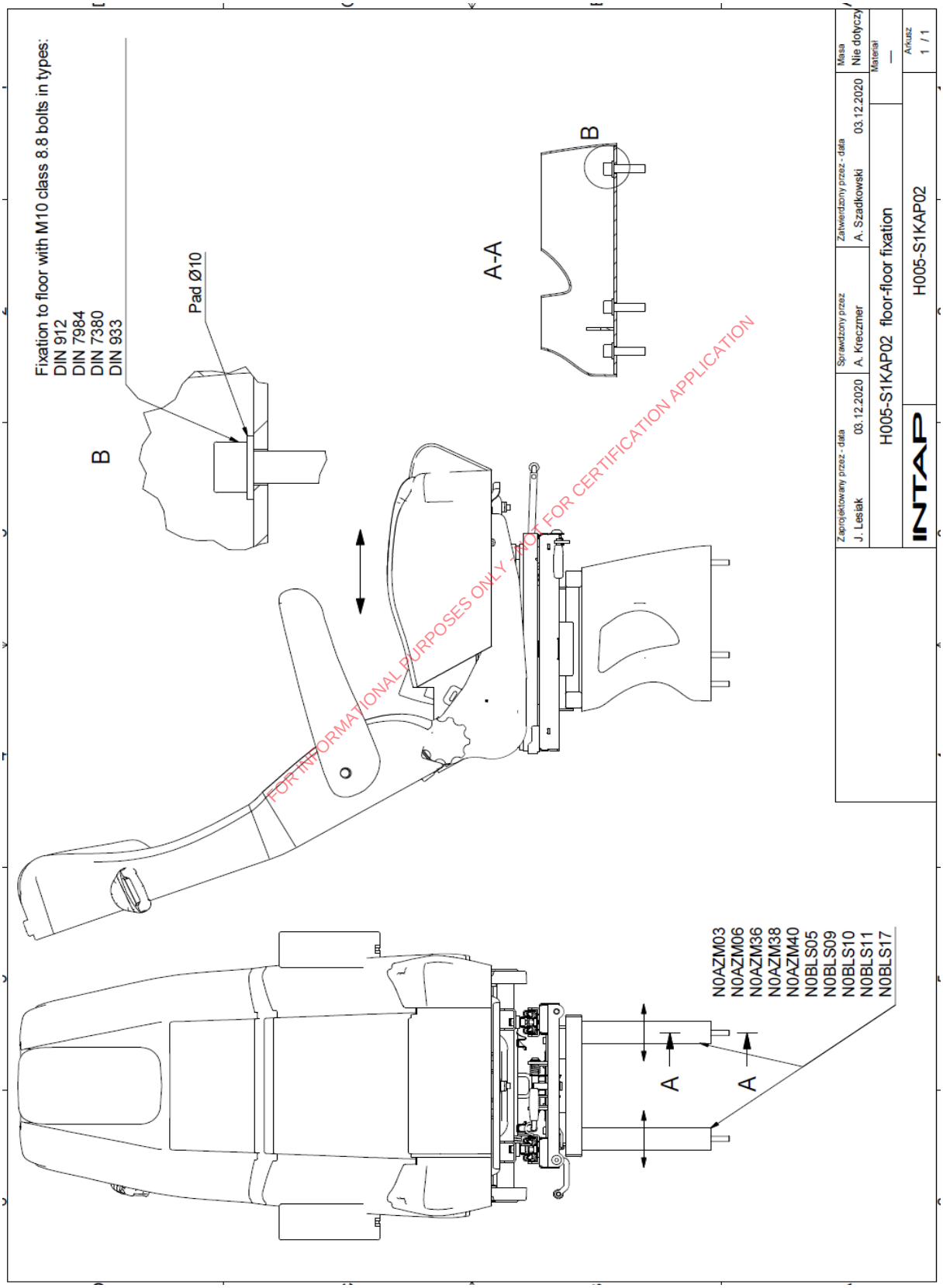
TÜV SÜD Czech s.r.o.

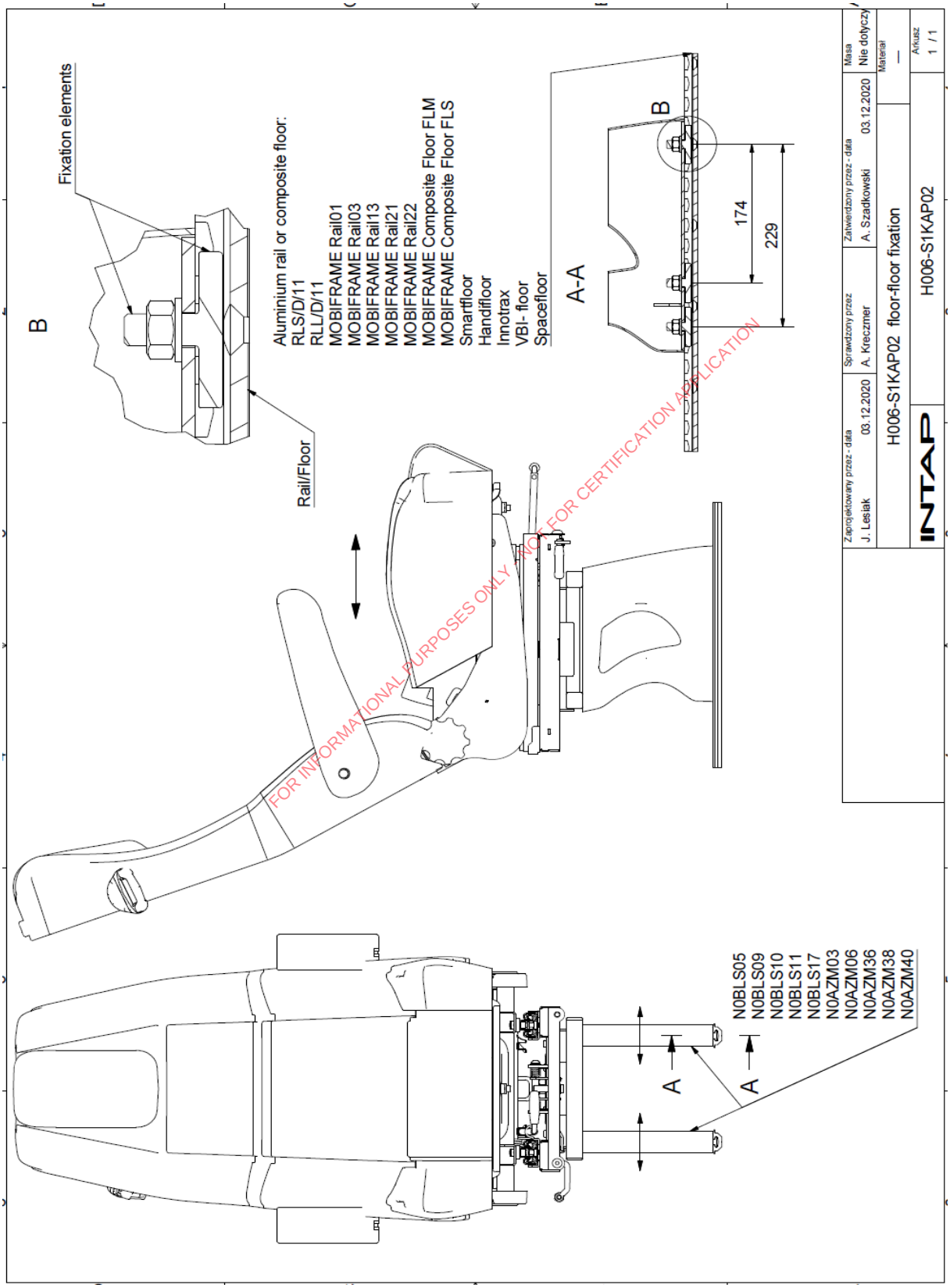
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

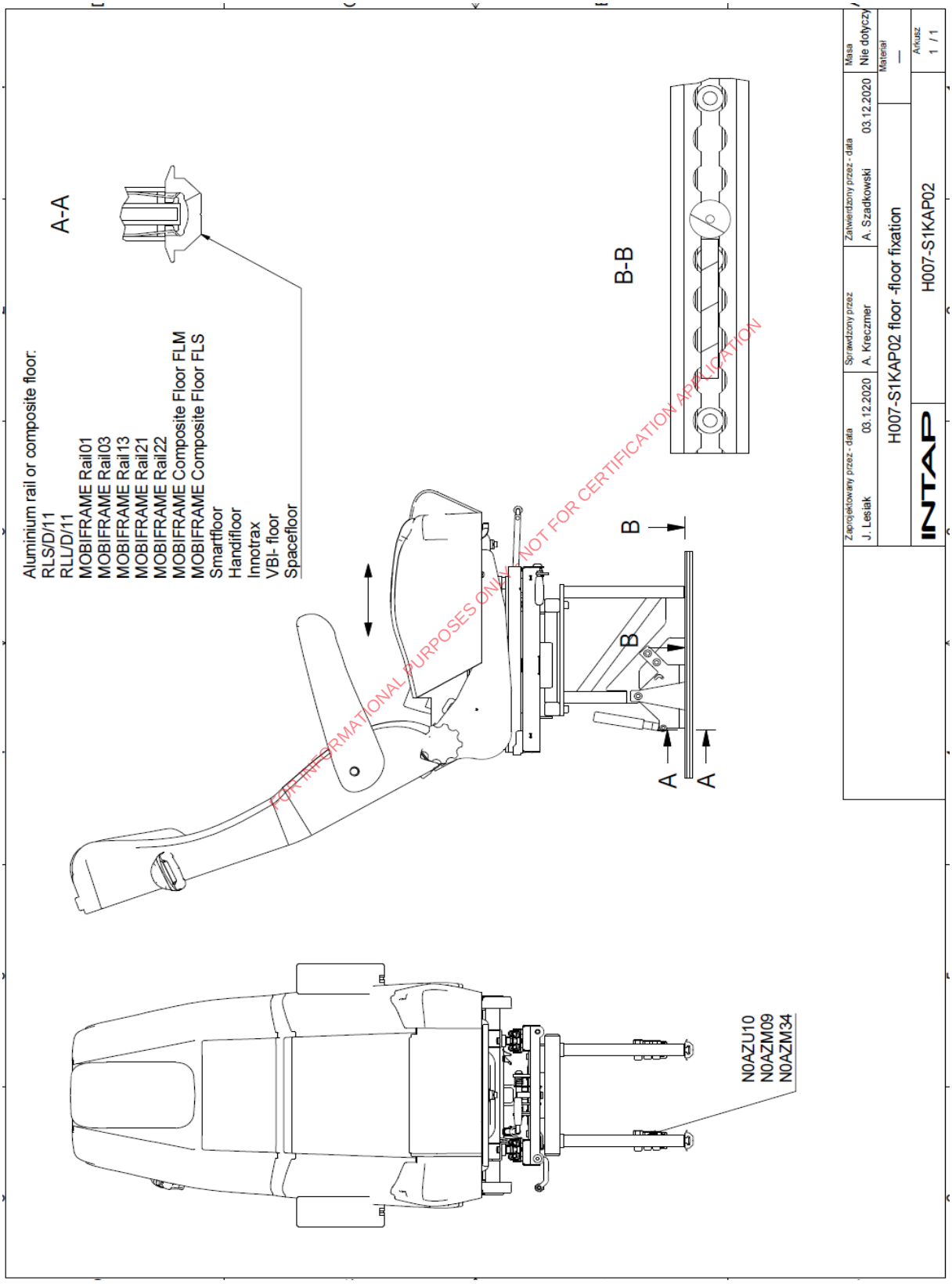
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




Fixation elements
Aluminium rail or composite floor:
RLS/D/11
RLL/D/11
MOBIFRAME Rail01
MOBIFRAME Rail03
MOBIFRAME Rail13
MOBIFRAME Rail21
MOBIFRAME Rail22
MOBIFRAME Composite Floor FLM
MOBIFRAME Composite Floor FLS
Smartfloor
Handifloor
Innotrax
VBI- floor
Spacefloor
Rail/Floor
A-A
B
174
229
N0BLS05
N0BLS09
N0BLS10
N0BLS11
N0BLS17
N0AZM03
N0AZM06
N0AZM36
N0AZM38
N0AZM40
A
A
Zaprojektowany przez - data
J. Lesiak 03.12.2020
Sprawdzony przez
A. Krecz mer
Zatwierdzony przez - data
A. Szadkowski 03.12.2020
Masa
Nie dotyczy
Materiał
—
Arkusz
1 / 1
H006-S1KAP02 floor-floor fixation
INTAP
H006-S1KAP02
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION

TÜV SÜD Czech s.r.o.

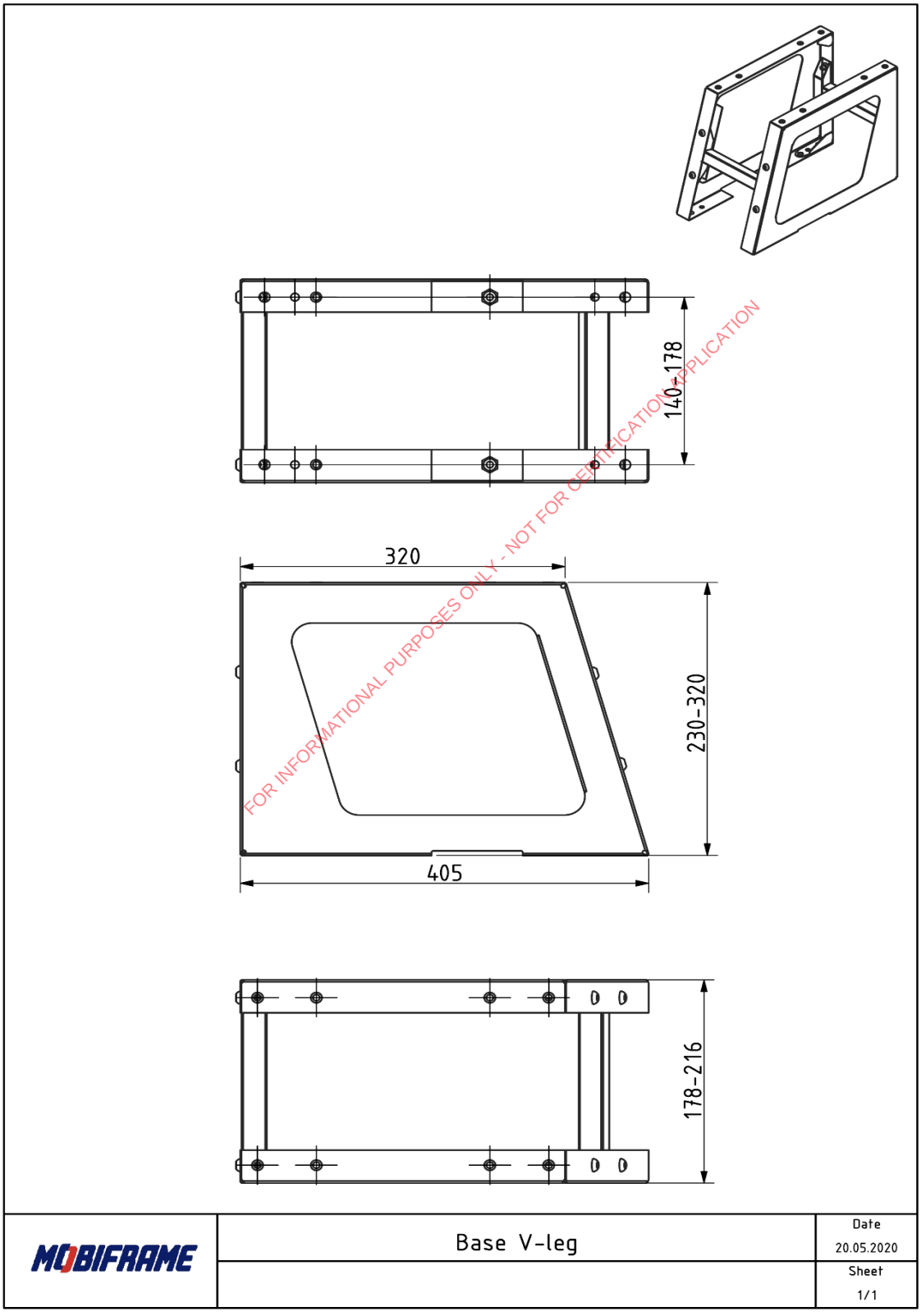
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TAB 1. Configuration of rails with fixation elements		
Rail	**Rear fixation**	**Front fixation**
UNWIN RLS, RLL, MOBIFRAME Composite Floor FLS / FLM, MOBIFRAME Rail01 MOBIFRAME Rail21 MOBIFRAME Rail22	TMI TMI-17 TMDS LCK-04 LCK-06	TMI TMI-17 LCK-04 LCK-06
MOBIFRAME Rail03 or MOBIFRAME Rail13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13	OKBeeBLOCK 03 / BLK-03 or OKBeeBLOCK 13 / BLK-13

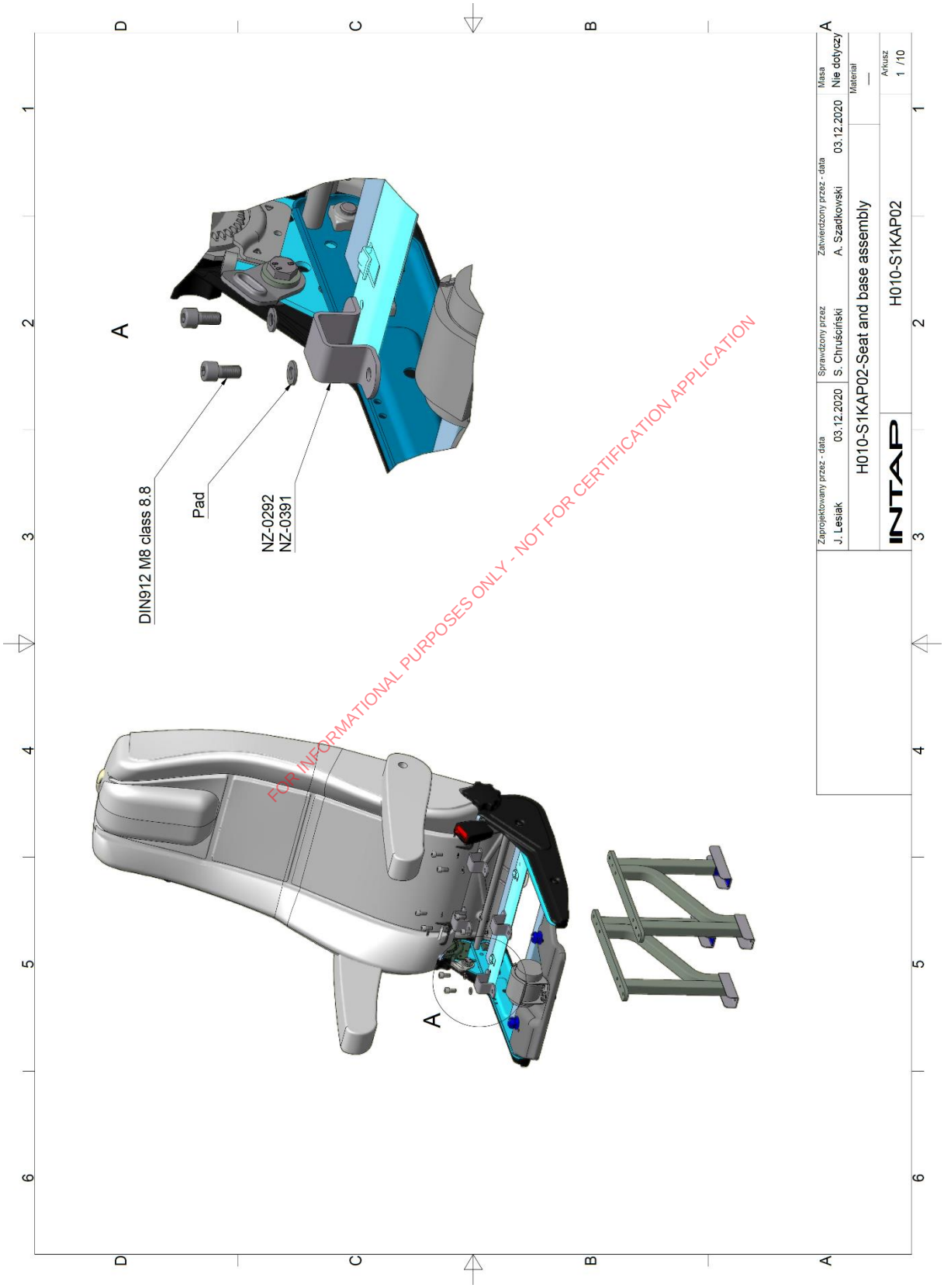
TAB 2. Configuration of bolt/nut size with fixation elements	
TMI	M8
TMI - 17	M10
TMDS	M8
OKBeeBLOCK 03 / BLK-03 OKBeeBLOCK 13 / BLK-013	M10
LCK-04 LCK-05	M8

Zaprojektowany przez - data	Sprawdzony przez	Zatwierdzony przez - data	Masa
Ł.Dumka - 13.03.2020	S. Chruściński	A. Szadkowski - 13.03.2020	-
fixation elements			Materiał -
INTAP	H019 - TAB. 1 / TAB. 2		1 z 1


140-178
320
230-320
405
178-216
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
MOBIFRAME
Base V-leg
Date
20.05.2020
Sheet
1/1

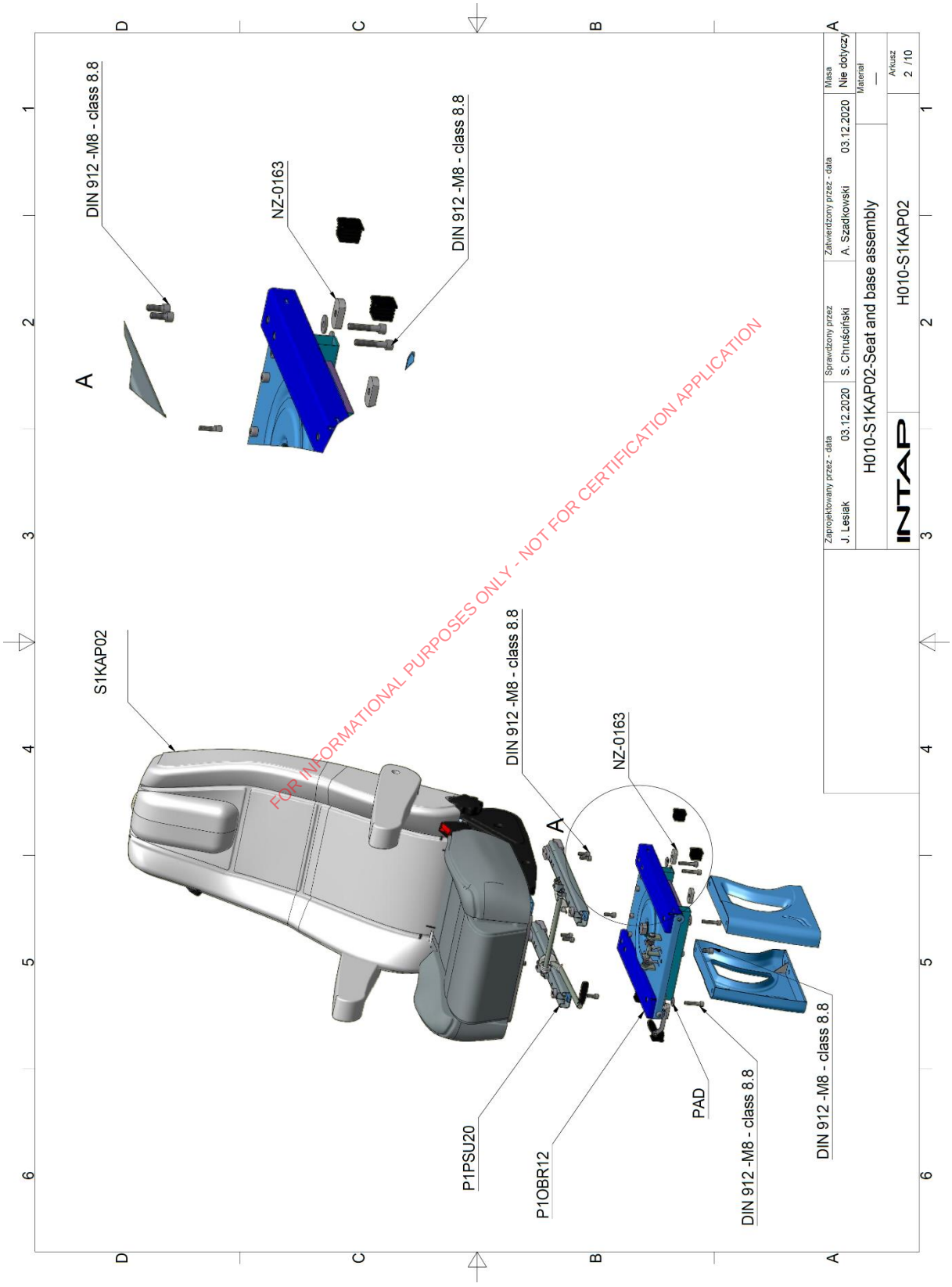
TÜV SÜD Czech s.r.o.

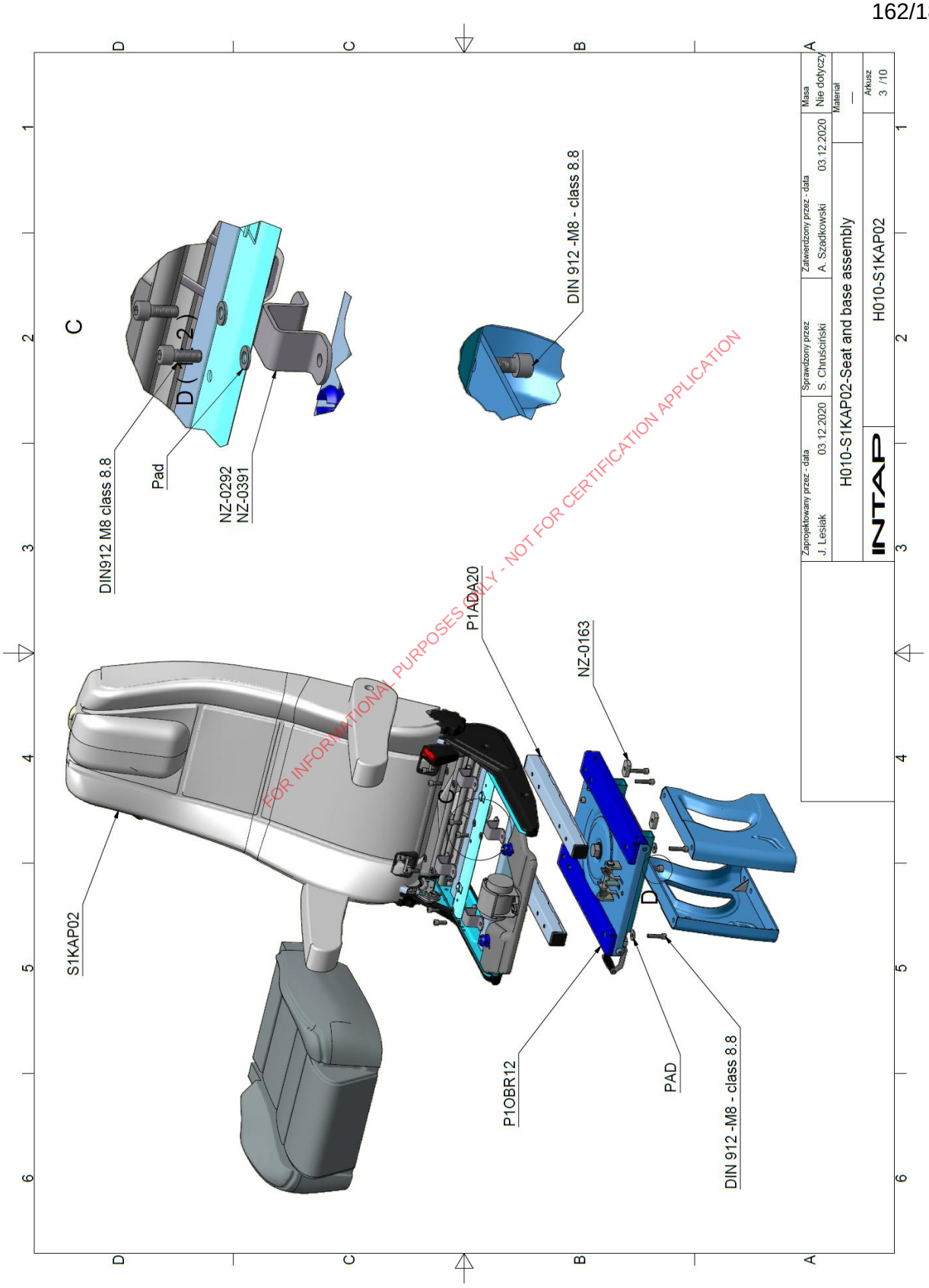
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

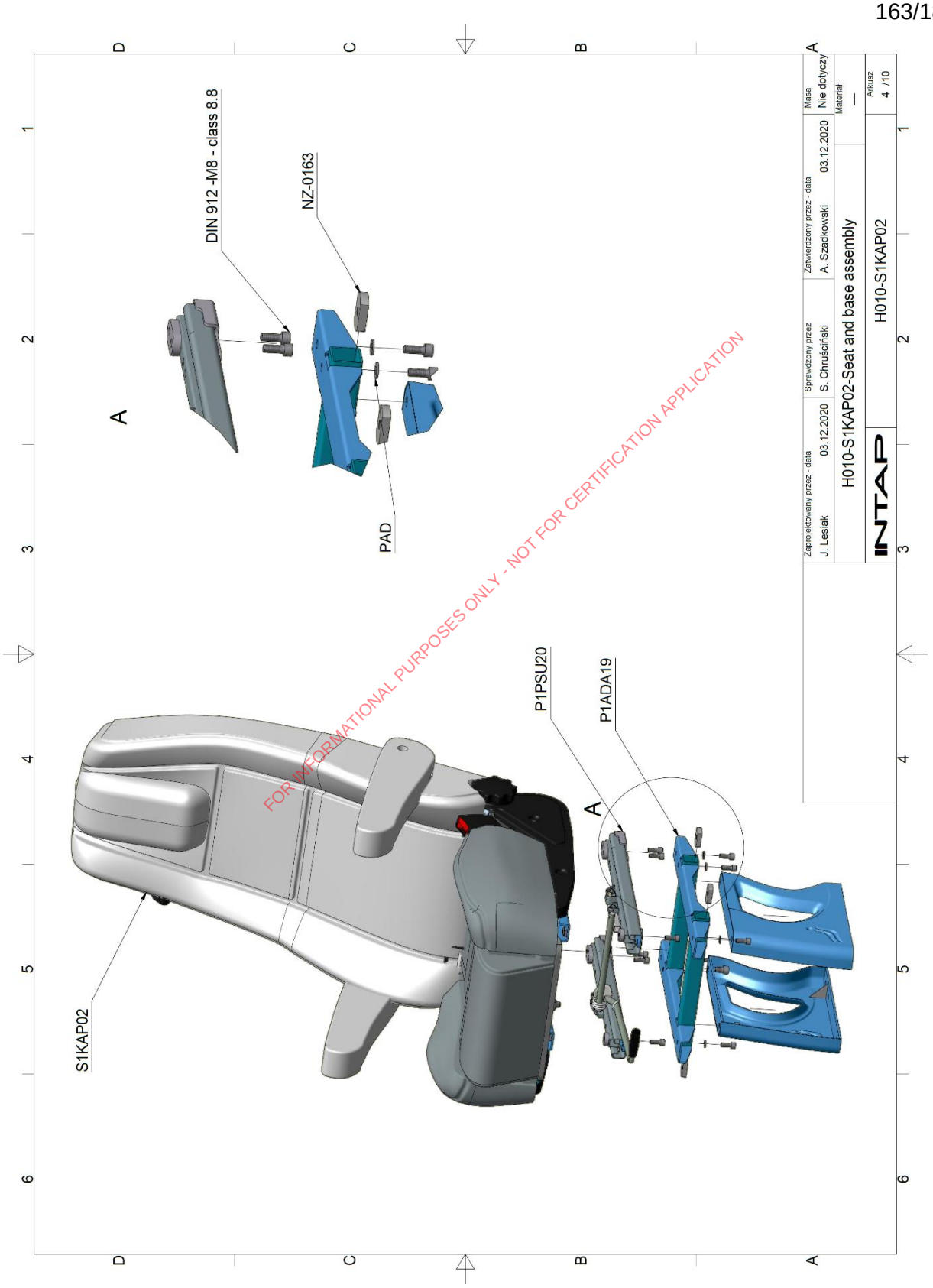
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

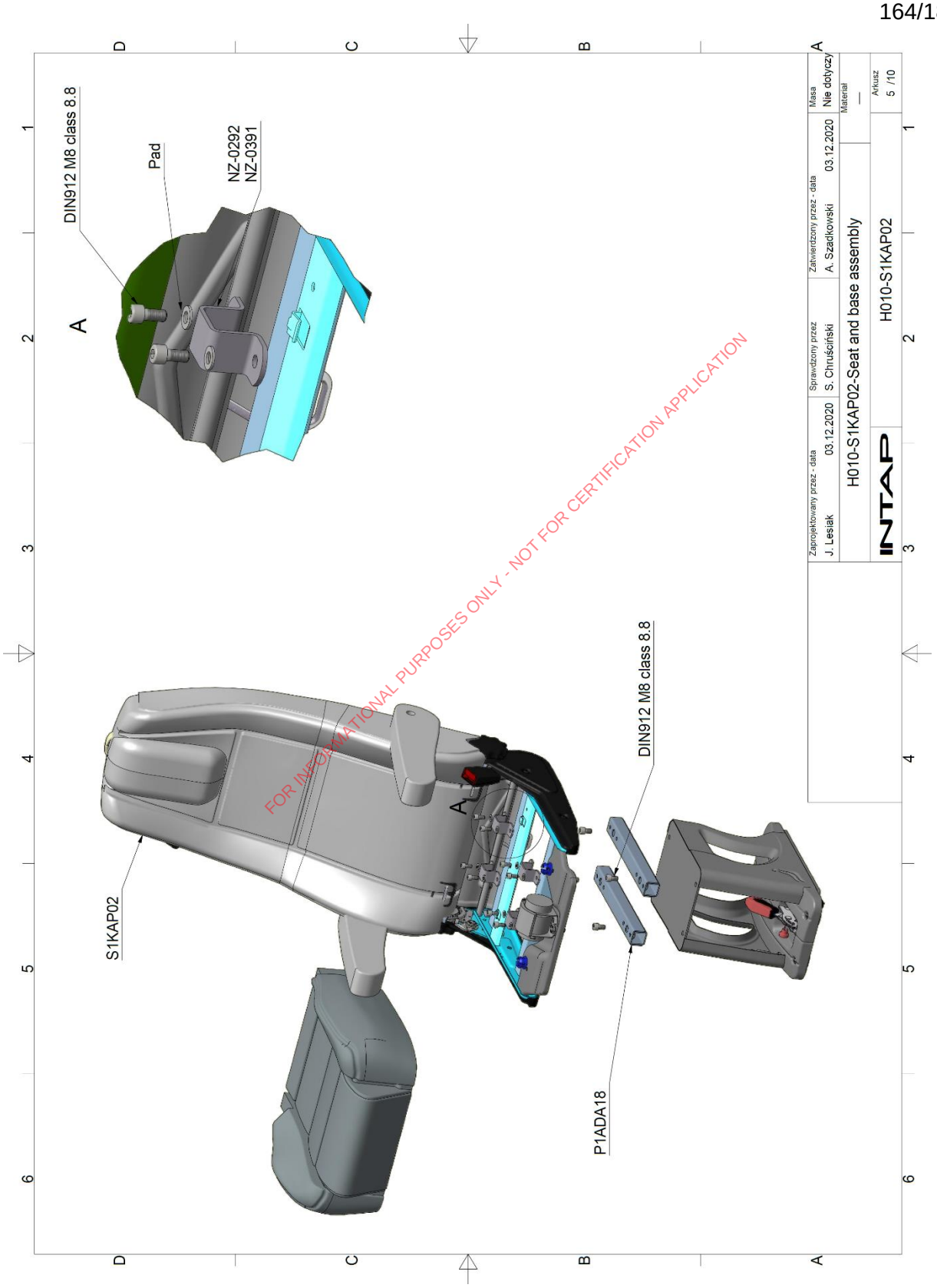



DIN912 M8 class 8.8
Pad
NZ-0292
NZ-0391
DIN 912 -M8 - class 8.8
P1ADA20
NZ-0163
S1KAP02
P1OBR12
PAD
DIN 912 -M8 - class 8.8
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
J. Lesiak 03.12.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 03.12.2020
H010-S1KAP02-Seat and base assembly
INTAP
H010-S1KAP02
Masa
Nie dotyczy
Material
—
Arkusz
3 /10

TÜV SÜD Czech s.r.o.

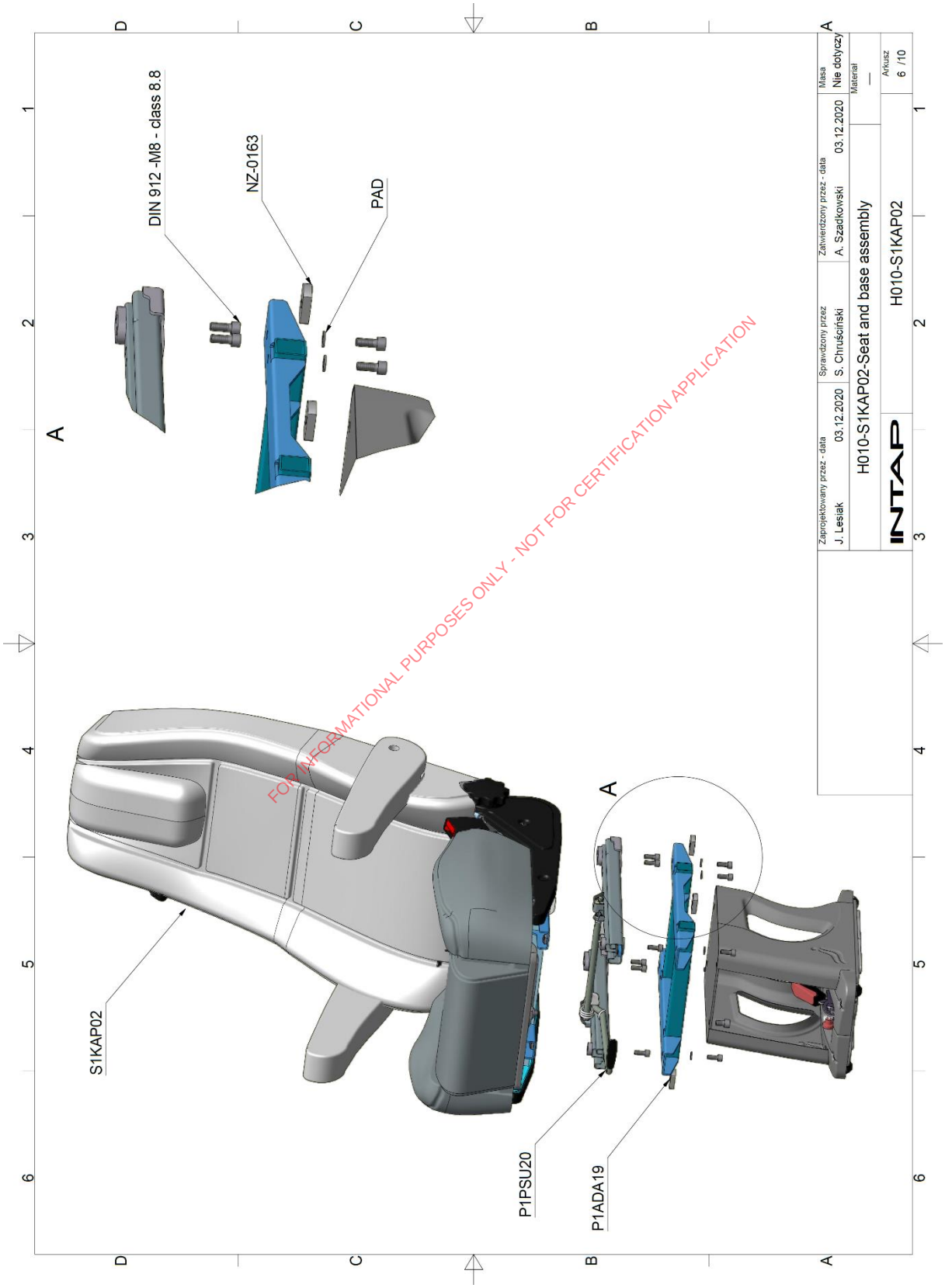
Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02




DIN912 M8 class 8.8
Pad
NZ-0292
NZ-0391
A
S1KAP02
DIN912 M8 class 8.8
P1ADA18
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
J. Lesiak 03.12.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski 03.12.2020
Masa
Nie dotyczy
Material
—
Arkusz
5 /10
H010-S1KAP02-Seat and base assembly
INTAP
H010-S1KAP02

TÜV SÜD Czech s.r.o.

Technical Report No.:	122015 – 22 – TAC
Test method:	ECE Regulation No. 17.09
Manufacturer / Order party:	INTAP ADVANCED TECHNOLOGY Sp. z o.o. Sp. k., Poland
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02



TÜV SÜD Czech s.r.o.

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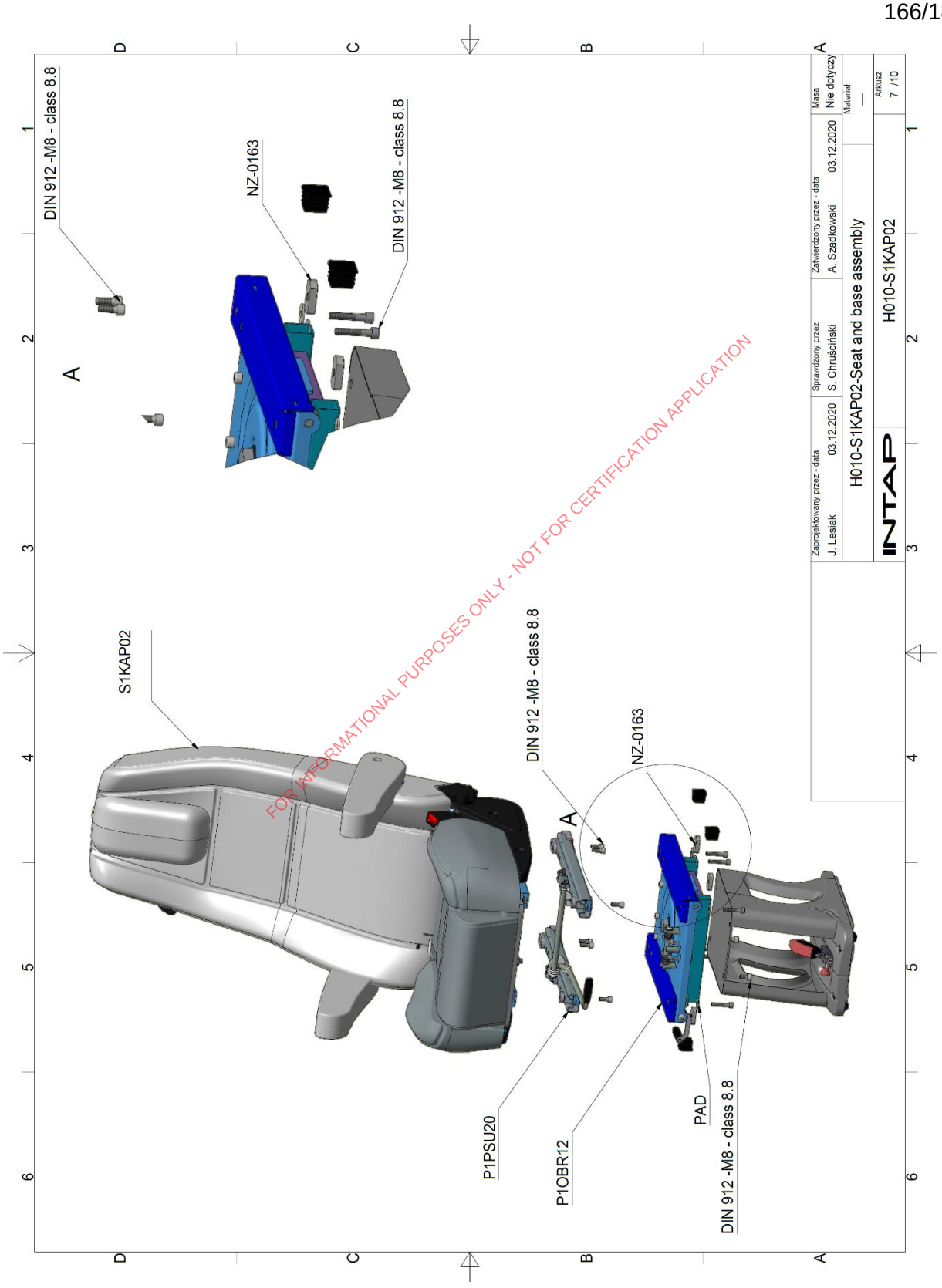

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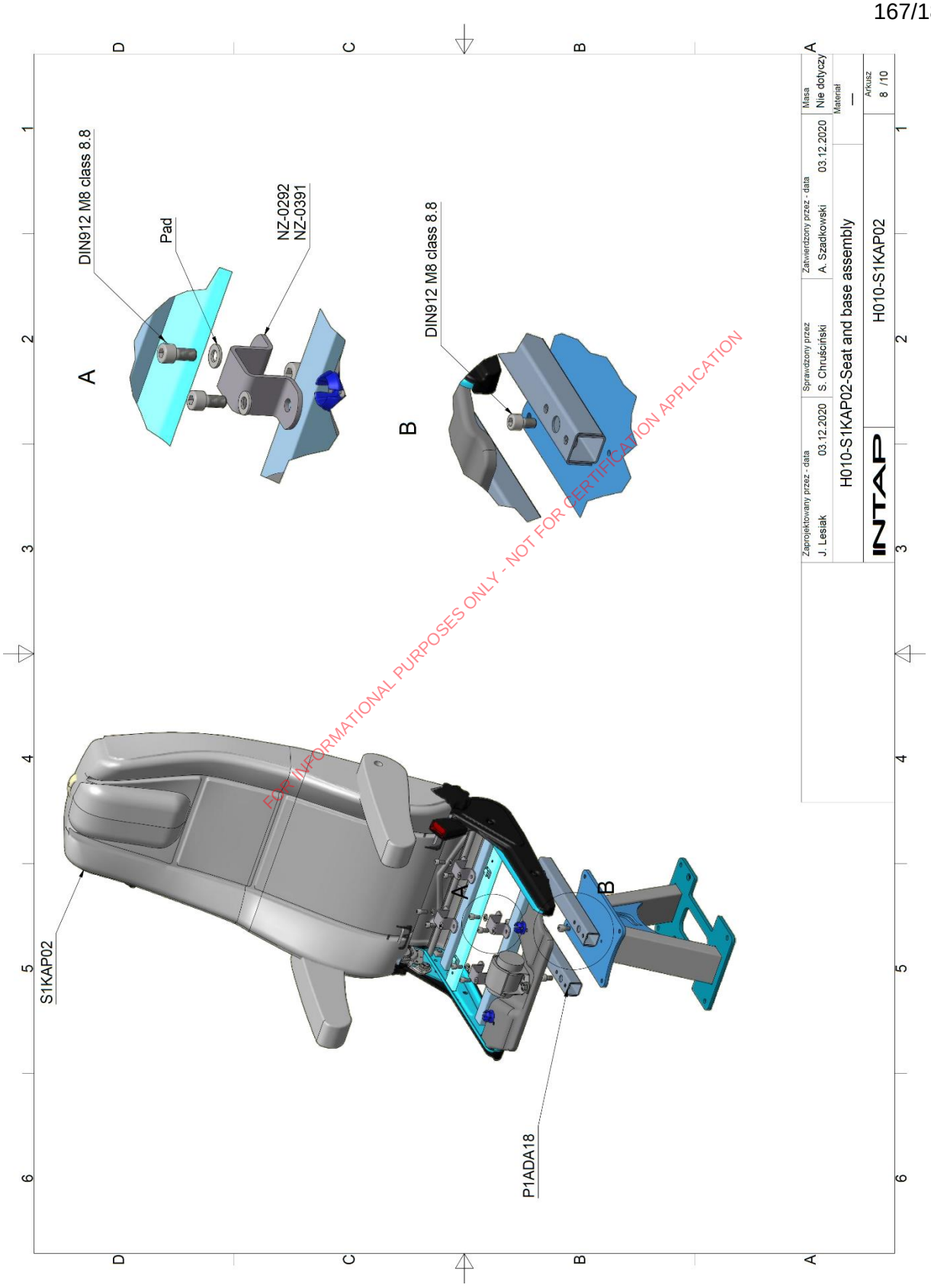

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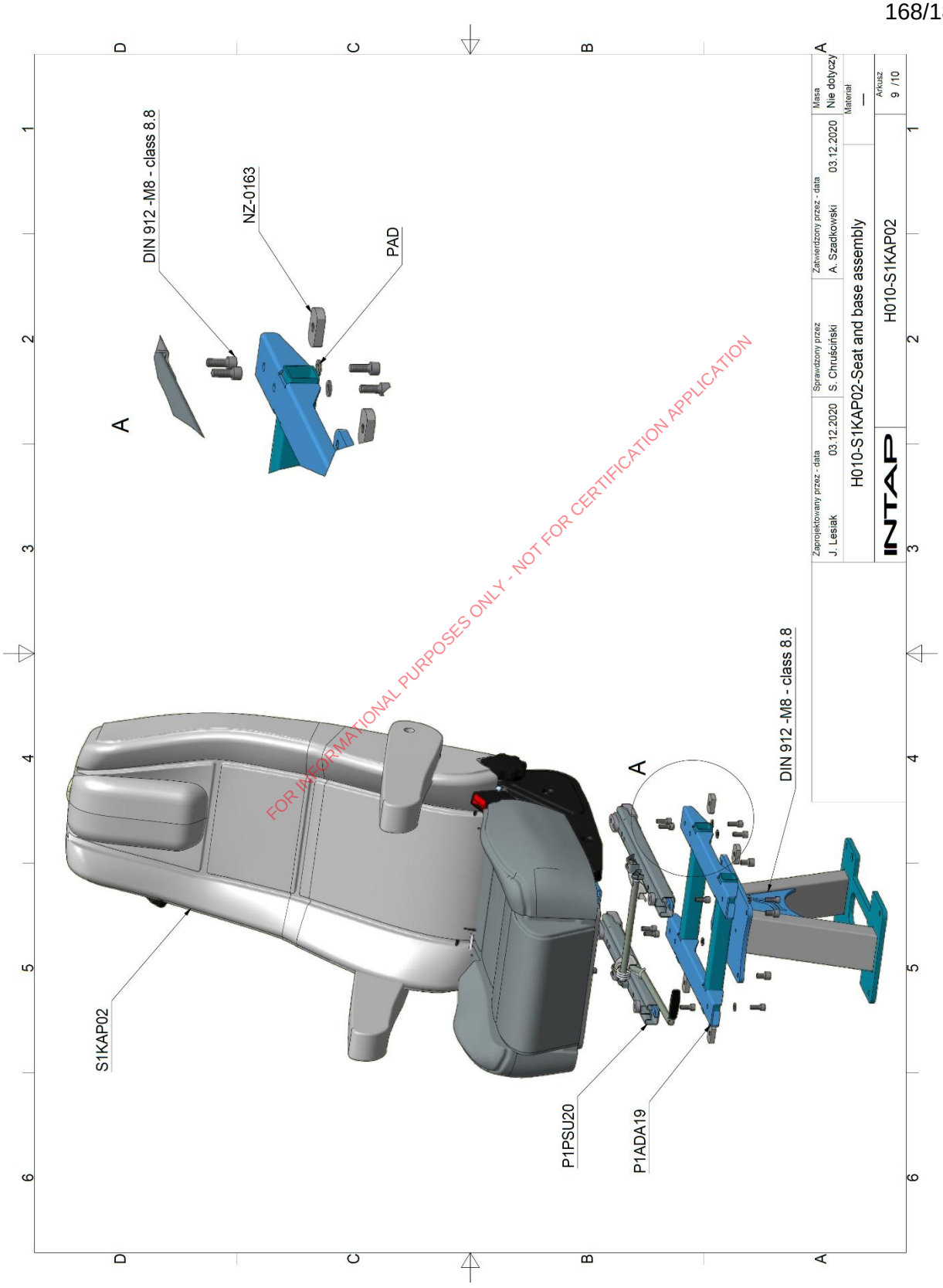

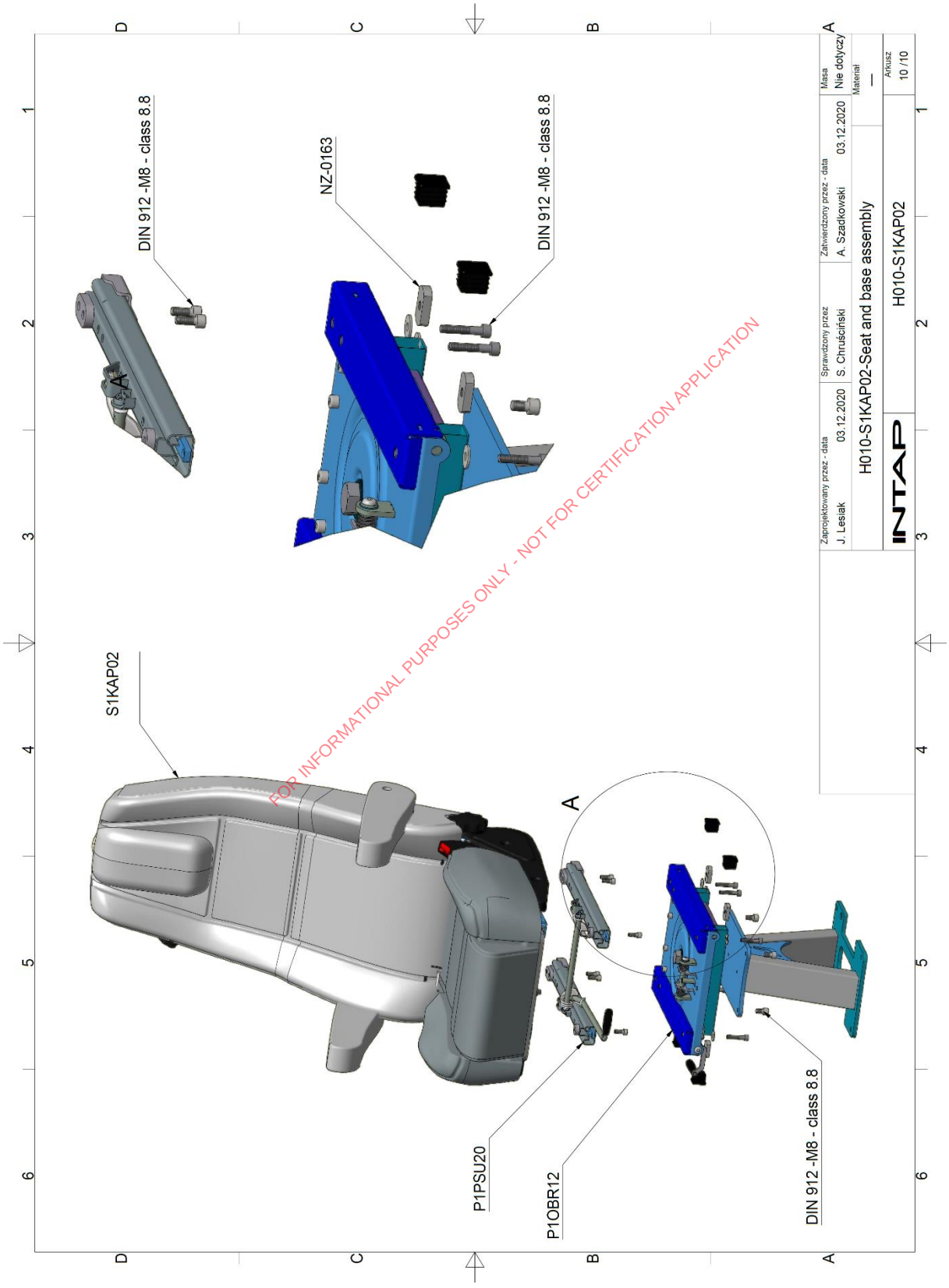
DIN 912 -M8 - class 8.8
NZ-0163
DIN 912 -M8 - class 8.8
S1KAP02
A
P1PSU20
P10BR12
DIN 912 -M8 - class 8.8
FOR INFORMATIONAL PURPOSES ONLY - NOT FOR CERTIFICATION APPLICATION
Zaprojektowany przez - data
J. Lesiak
03.12.2020
Sprawdzony przez
S. Chruściński
Zatwierdzony przez - data
A. Szadkowski
03.12.2020
Masa
Nie dotyczy
Material
—
Arkusz
10 /10
H010-S1KAP02-Seat and base assembly
INTAP
H010-S1KAP02

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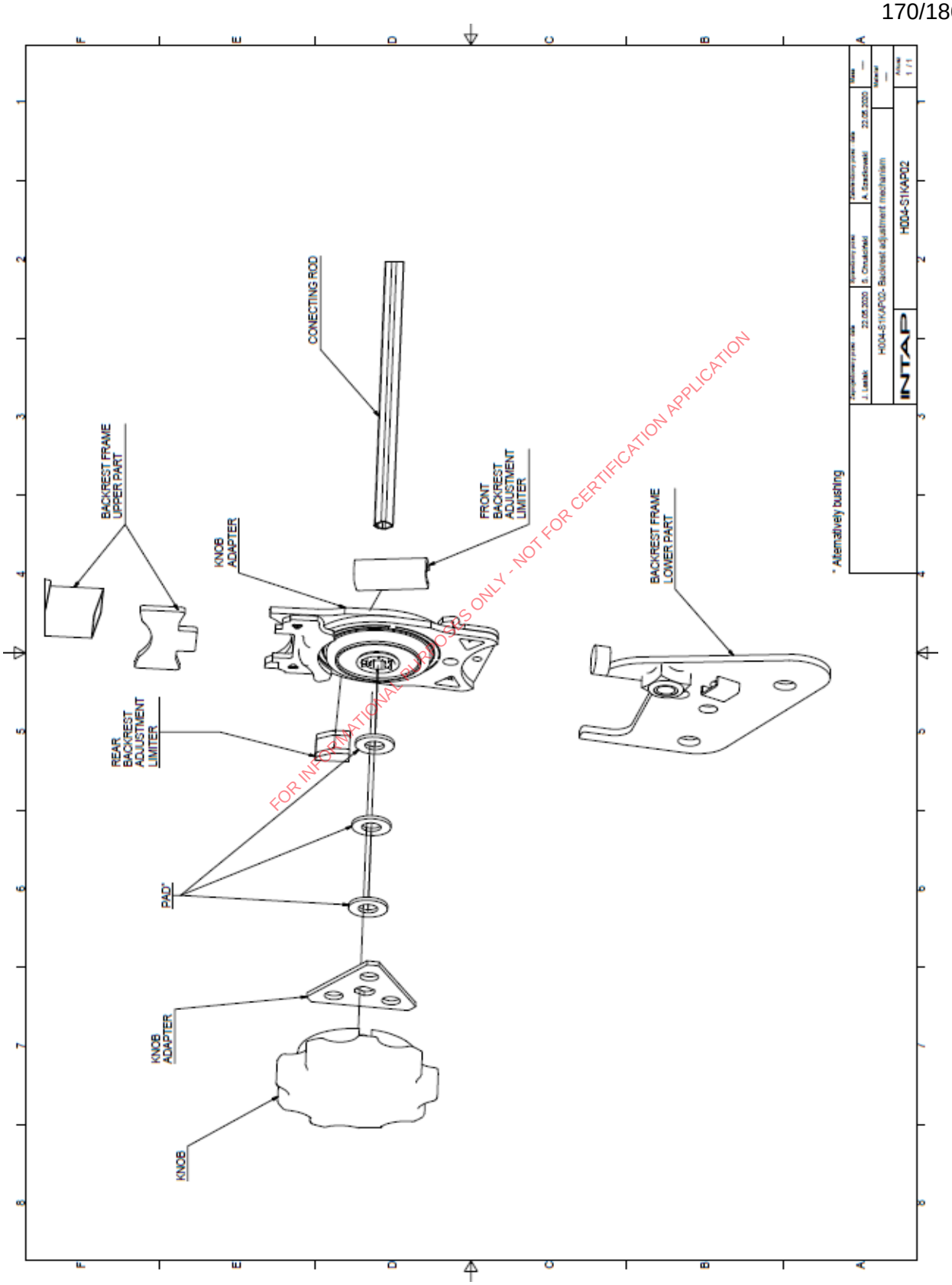

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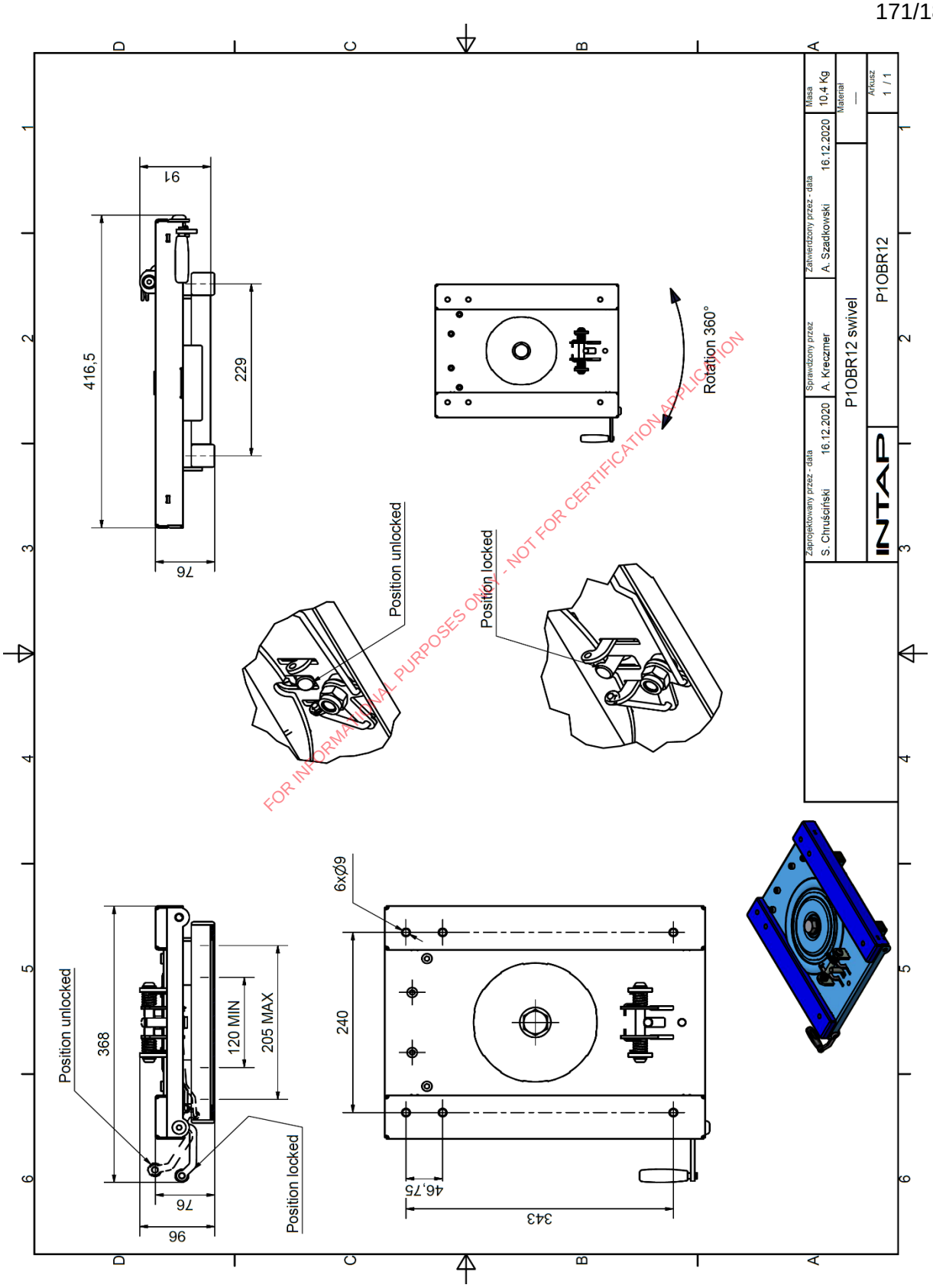

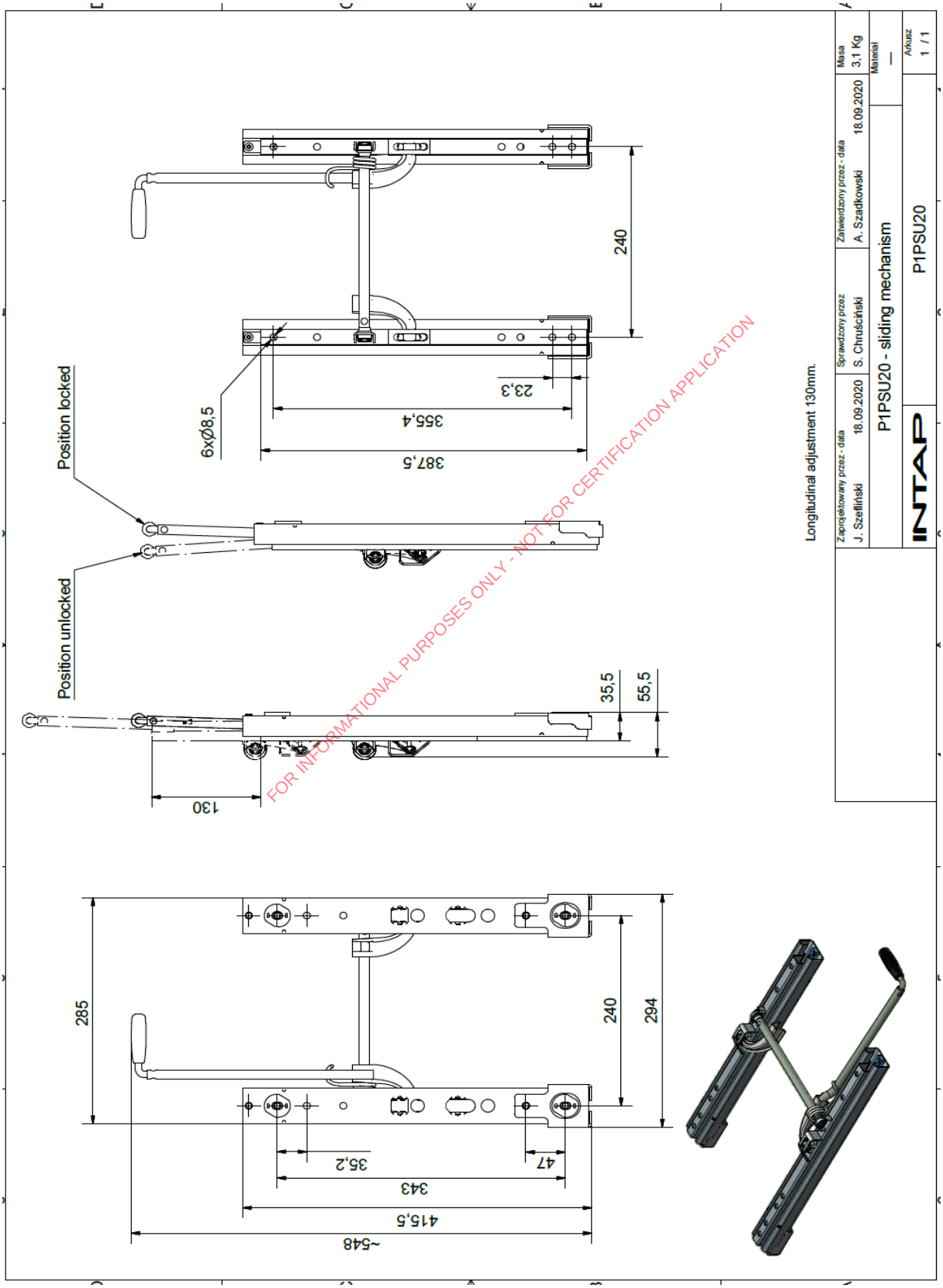

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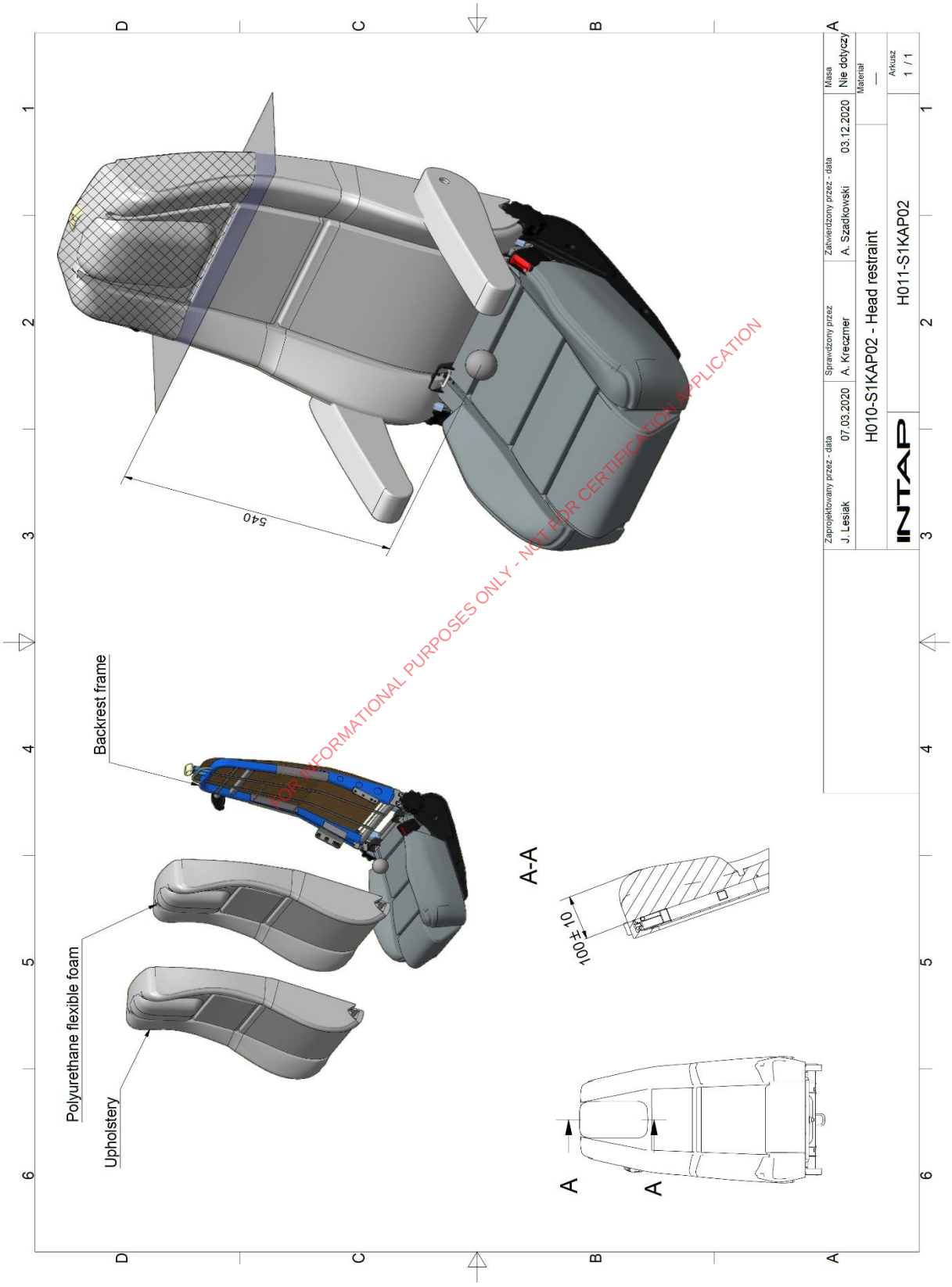
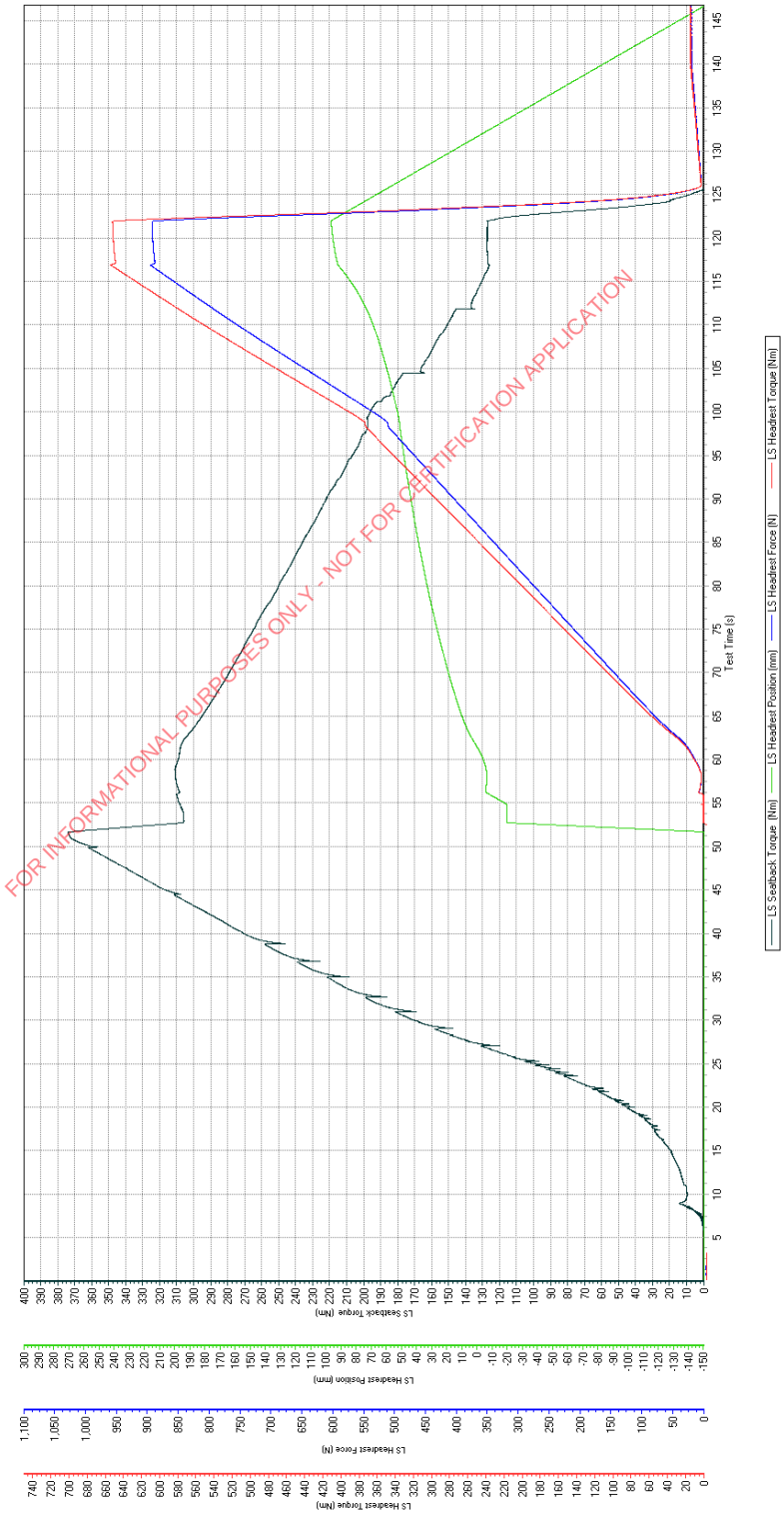


Graphs:
Static tests
Seat type S1MED02



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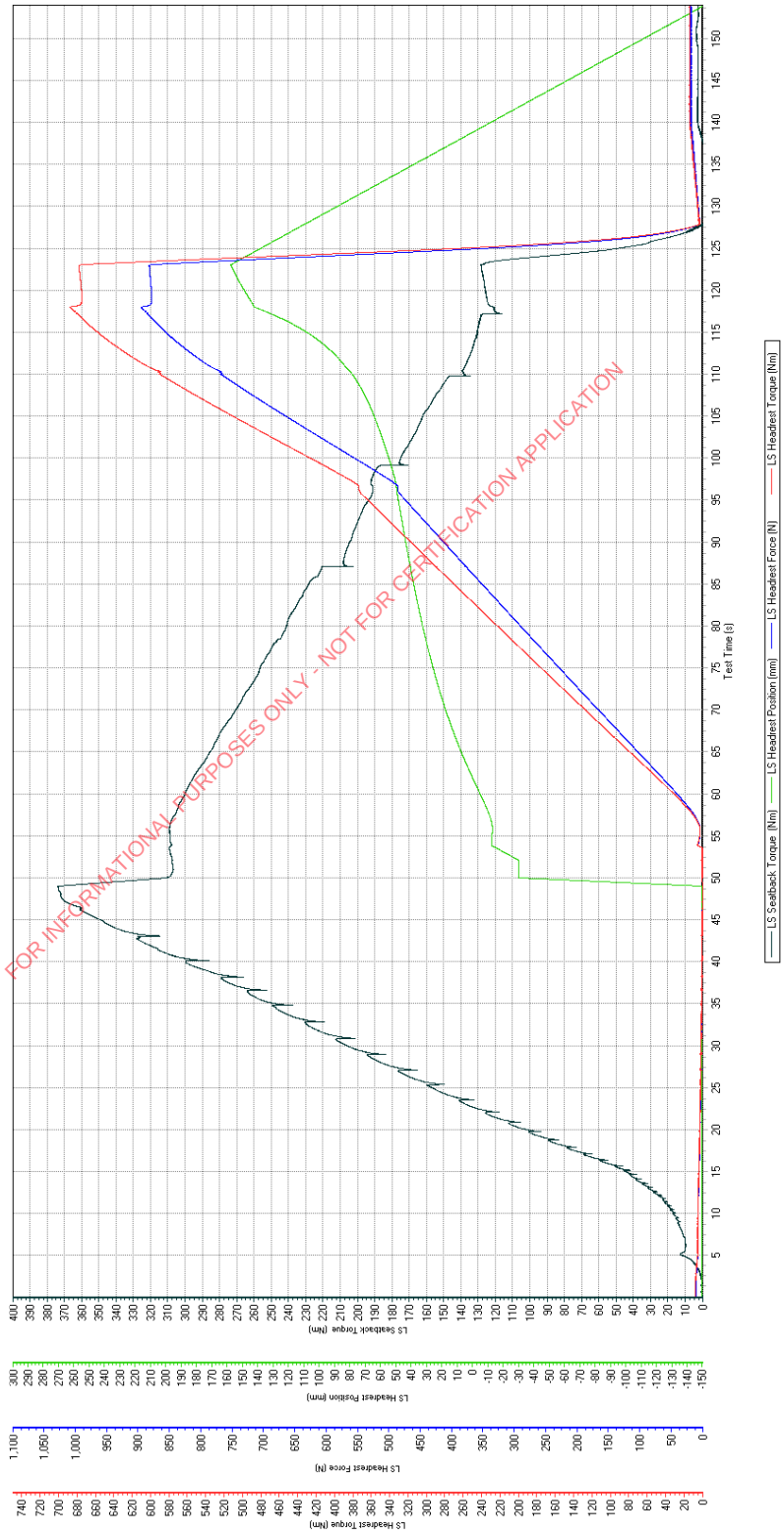
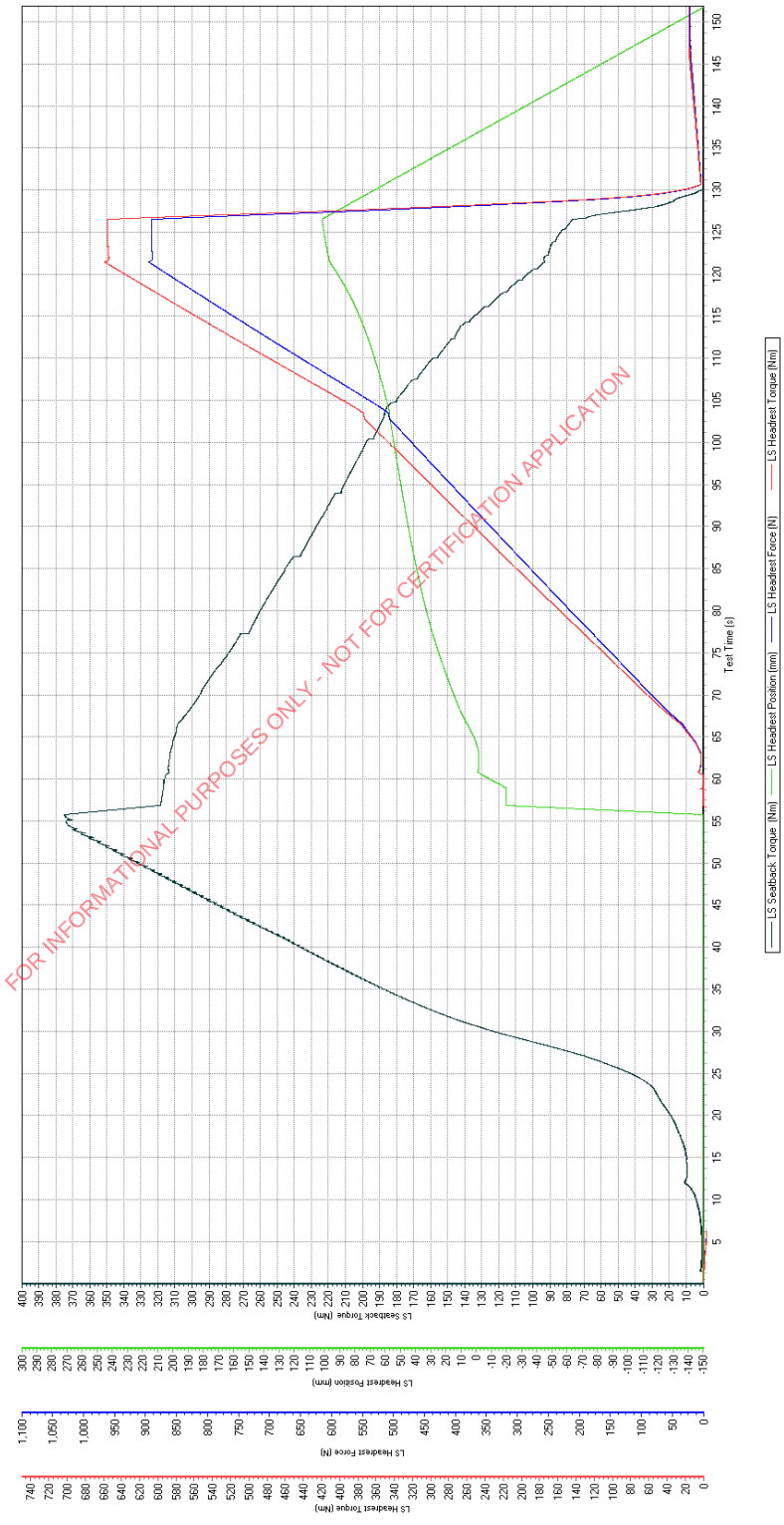
Seat type S1MED04



Seat type S1MED05



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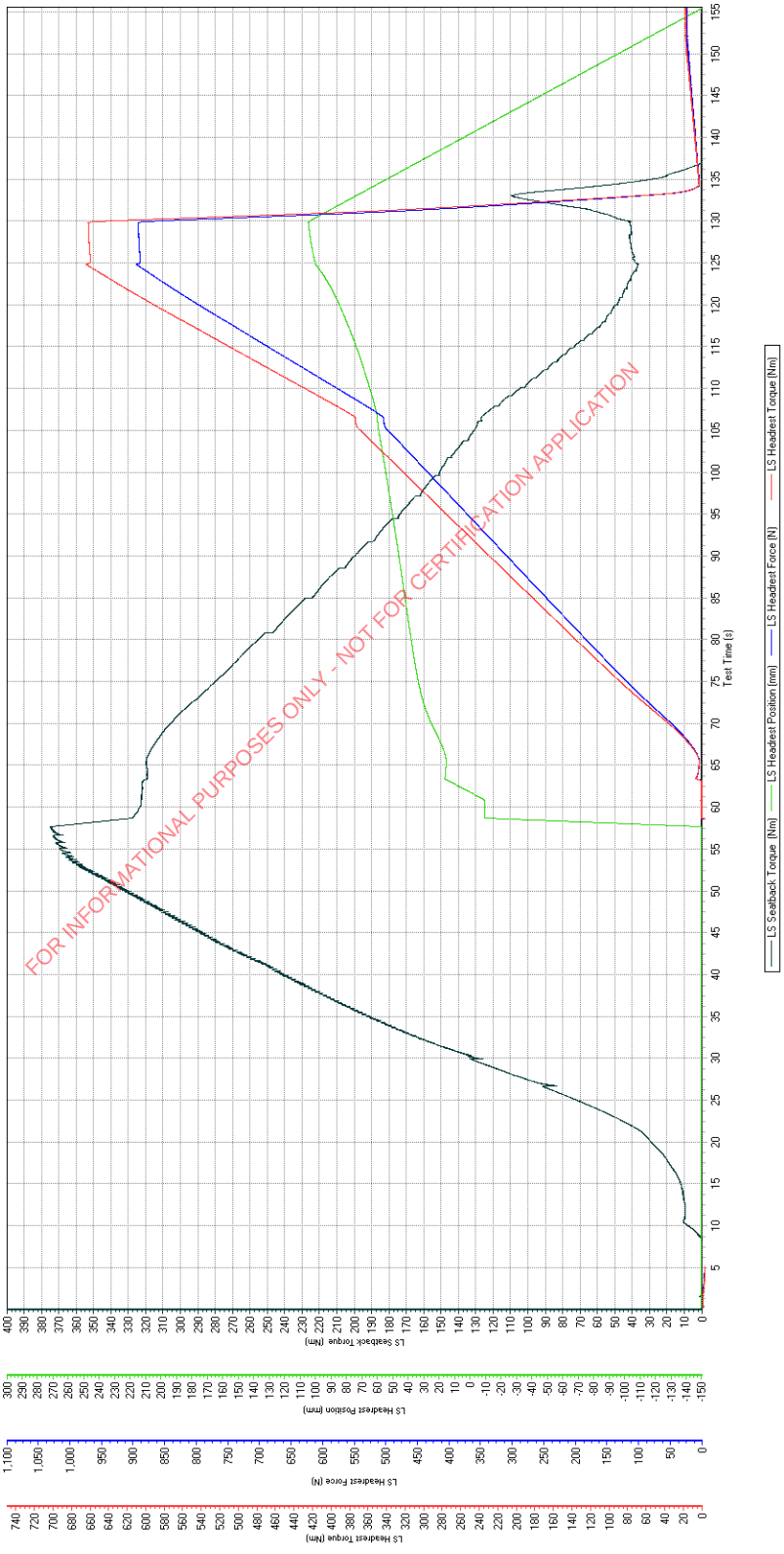
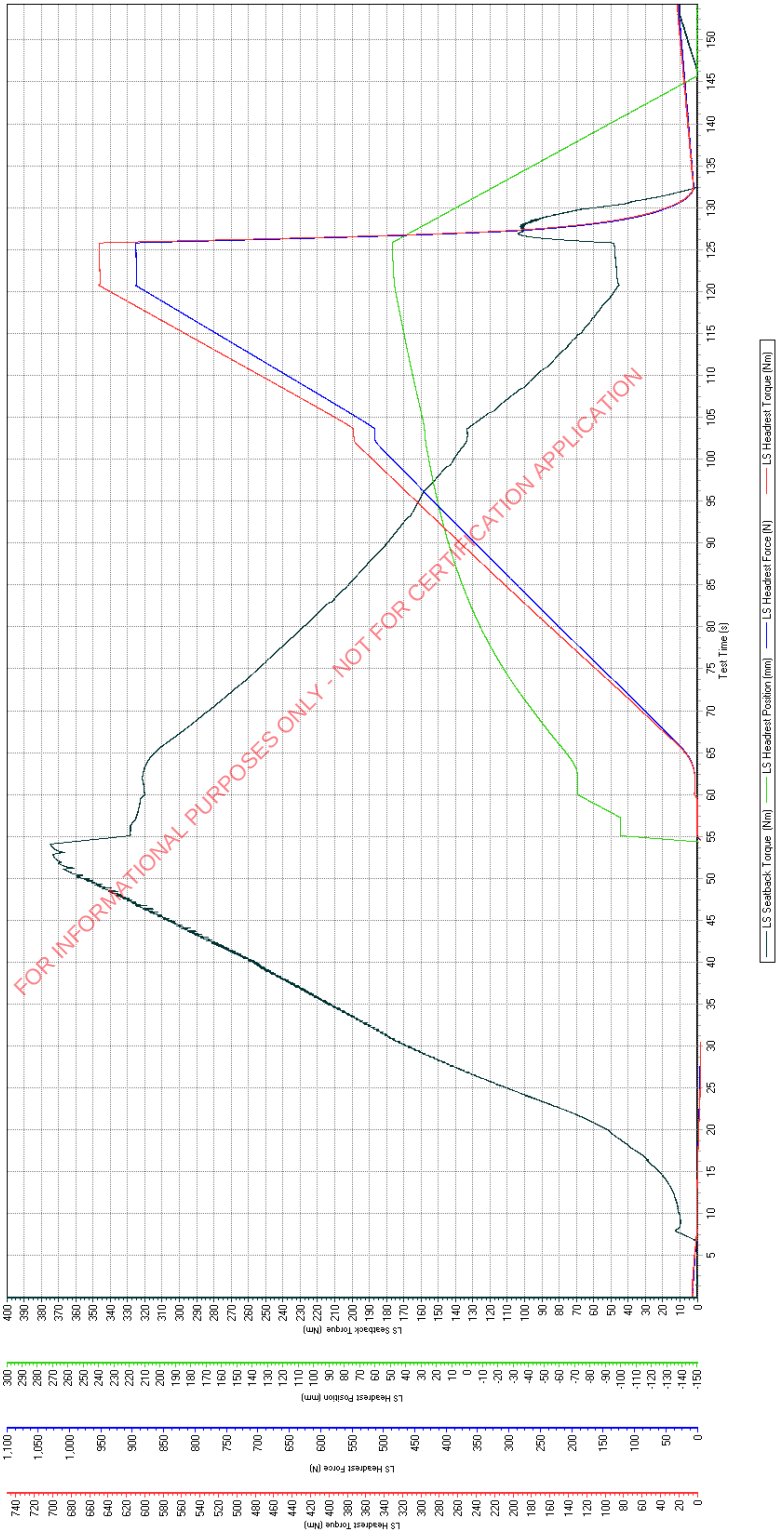
Product under test:	S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02

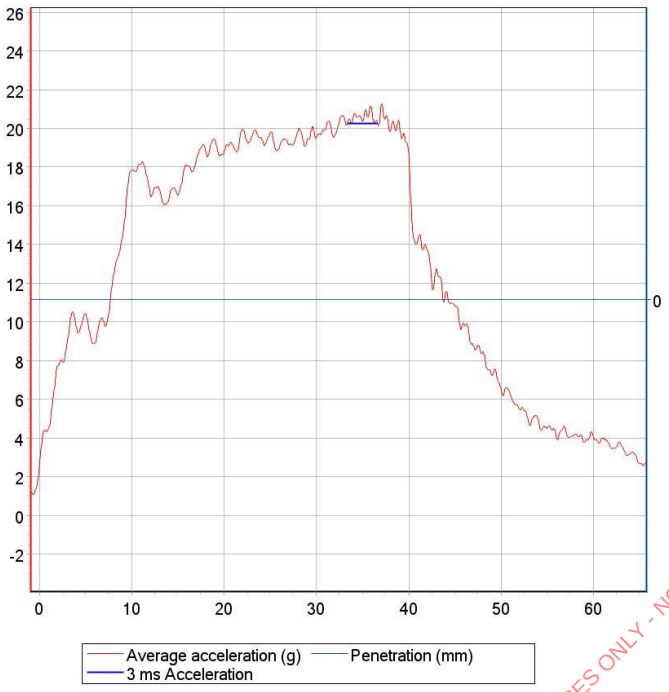
Seat type S1MED06



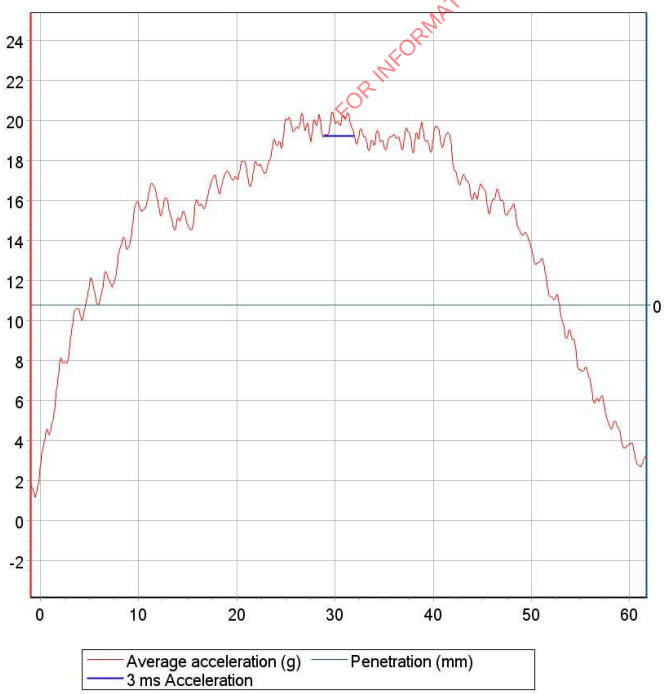
Seat type S1KAP02



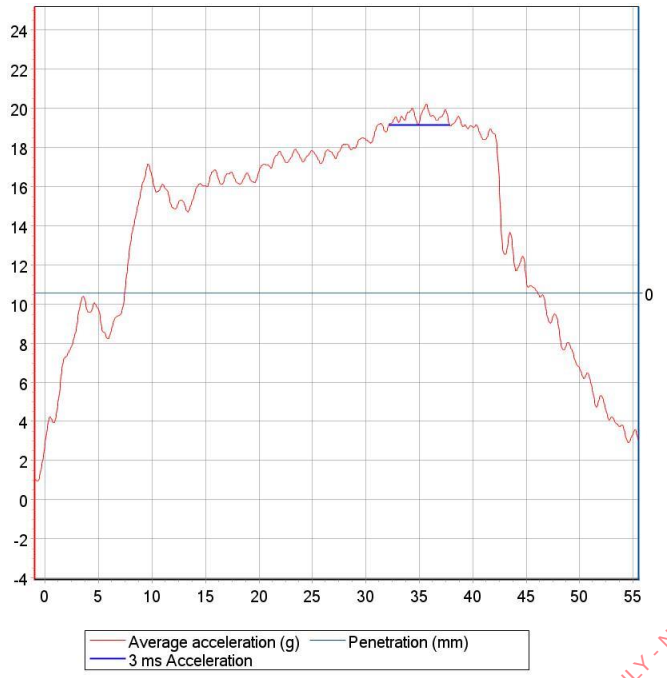
Energy dissipation tests
Front head restraint surface – Seat type S1MED02



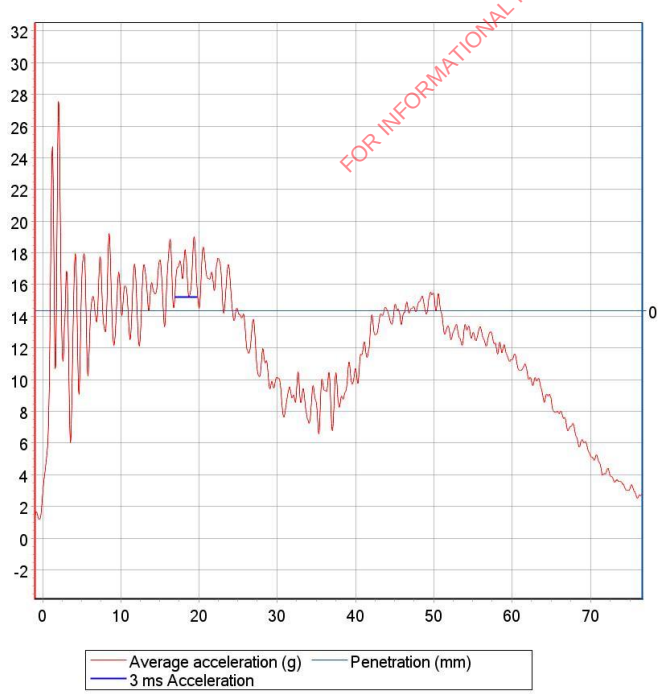
Front head restraint surface – Seat type S1MED04



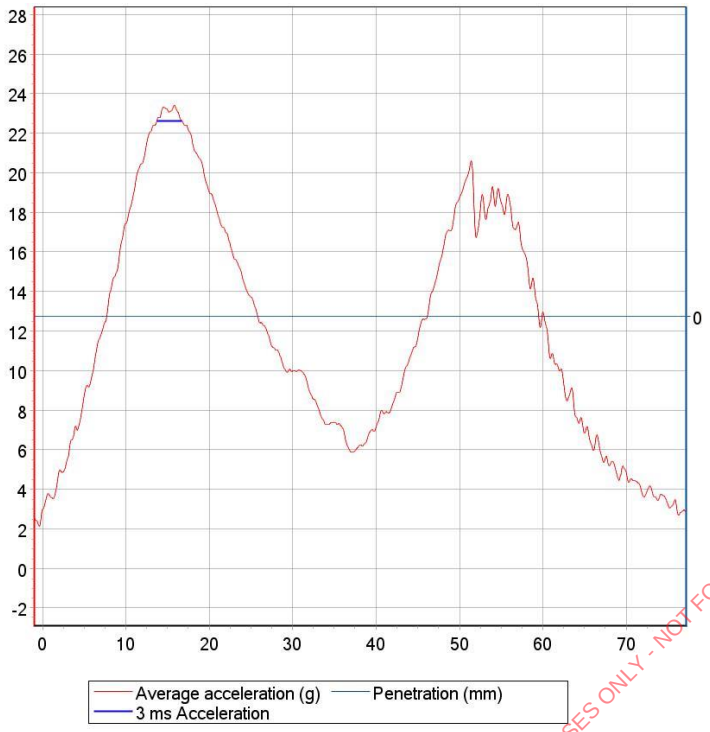
Front heat restraint surface – Seat type S1MED05



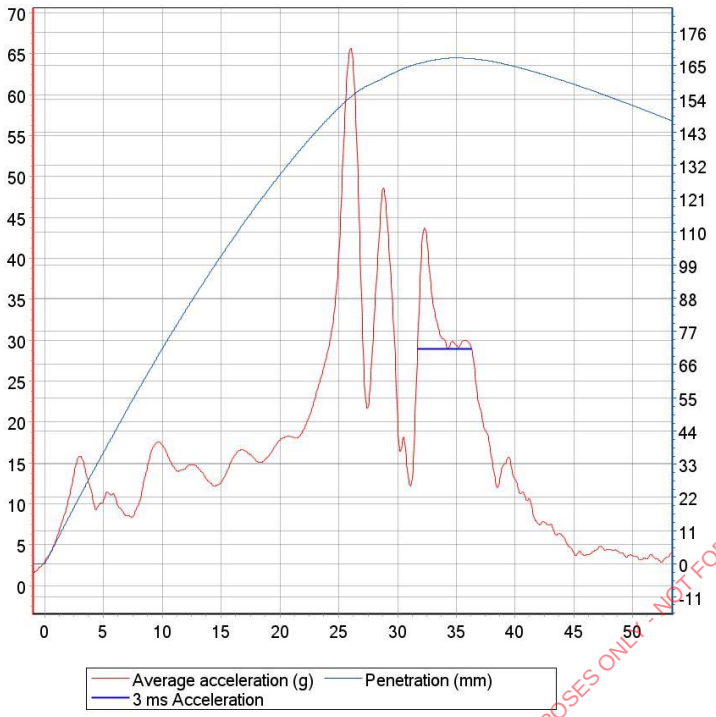
Front head restraint surface - Seat type S1MED06



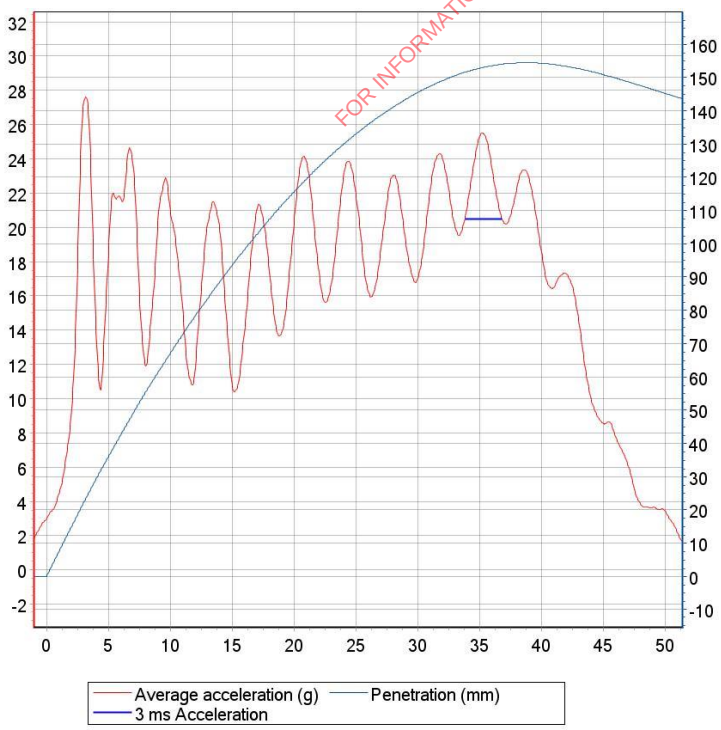
Front head restraint surface - Seat type S1KAP02



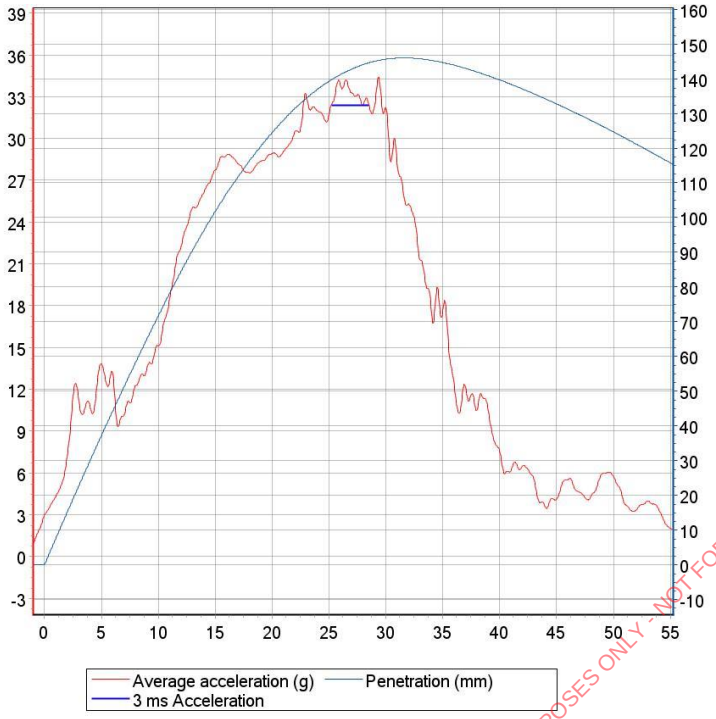
Rear head restraint surface - Seat type S1MED02



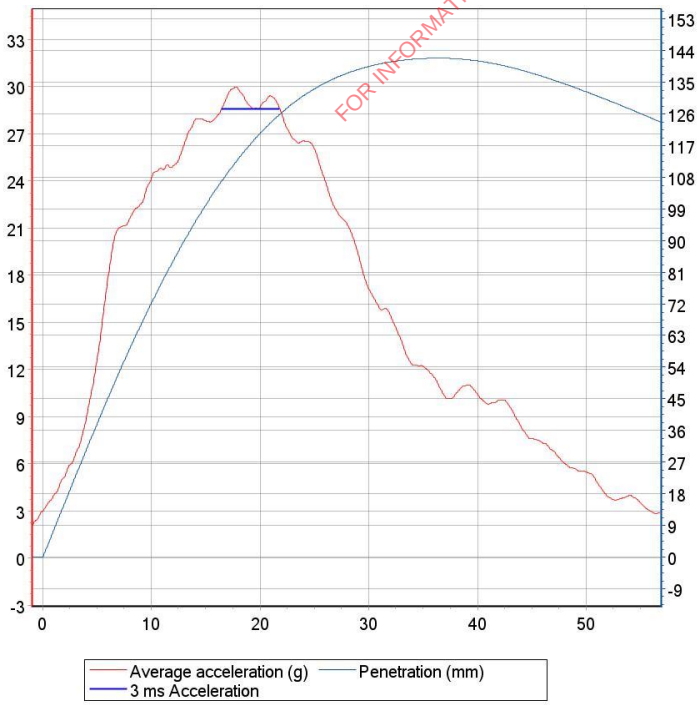
Rear head restraint surface - Seat type S1MED04



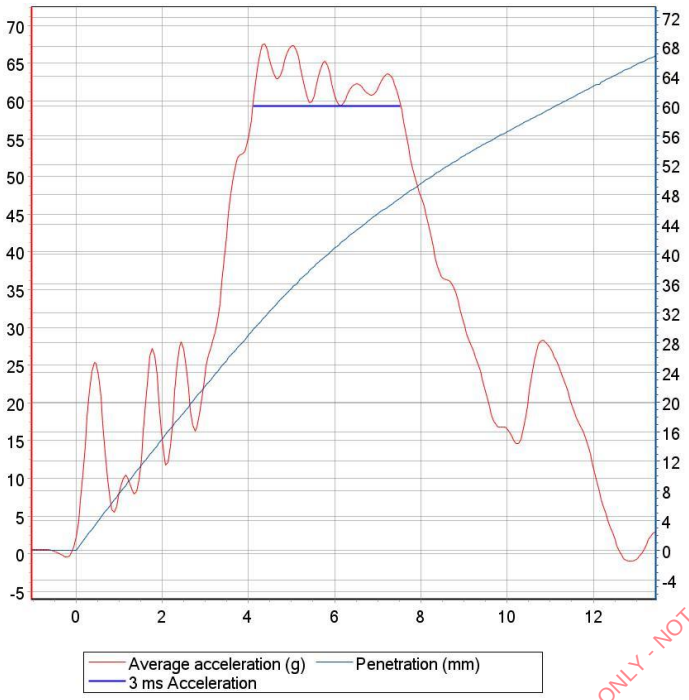
Rear head restraint surface - Seat type S1MED05



Rear head restraint surface - Seat type S1MED06



Rear head restraint surface - Seat type S1KAP02



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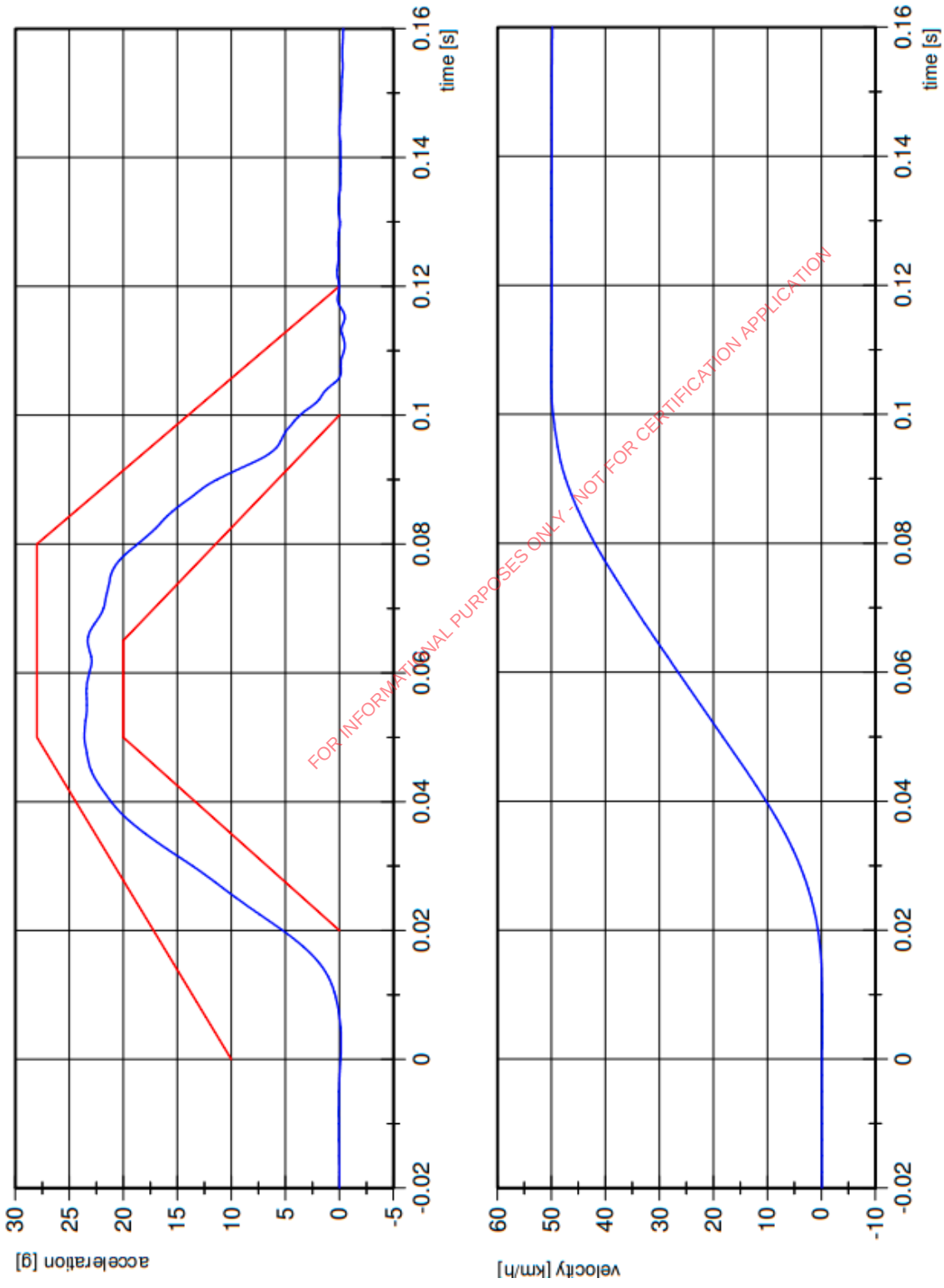
Dynamic test – Seat types S1MED02, S1MED04, S1MED05, S1MED06, S1KAP02
Forward direction



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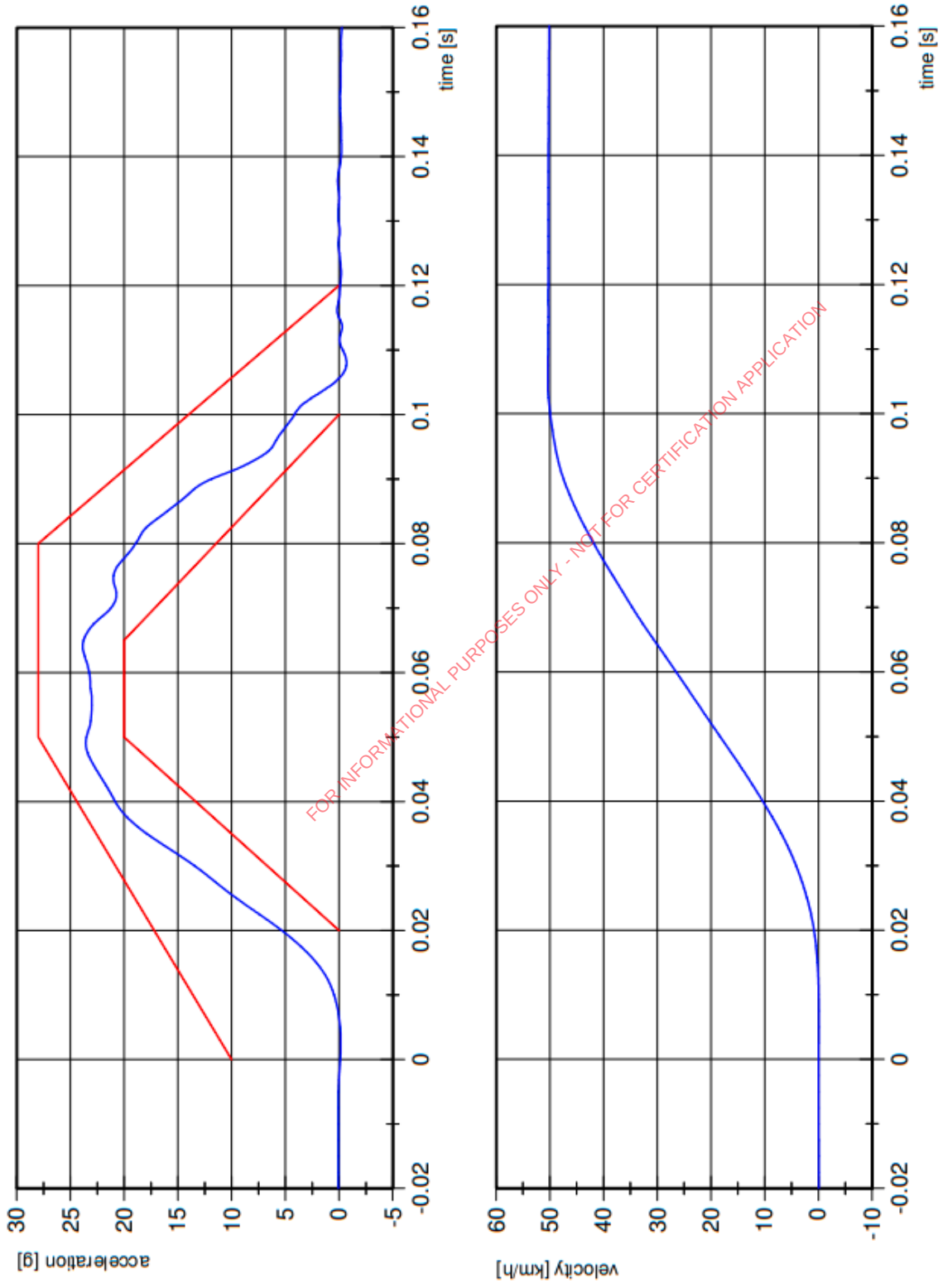
Rearward direction



End of the technical report