



CLASSIFICATION OF FIRE RESISTANCE IN ACCORDANCE WITH EN 13501-2:2016

Sponsor: REYNAERS Aluminium UAB

Manufacturer: REYNAERS Aluminium Sp. z o.o.

Prepared by: UAB „Kiwa Inspecta“
Ukmergės str. 308
12110 Vilnius

Product: Fire resistant single or double glazed door assembly with or without
glazed partitions

CS-77 FP (EI30)

Date of issue: November 18, 2022

Classification contains 32 pages

UAB „Kiwa Inspecta“
Ukmergės g. 308,
12110 Vilnius
Lietuva

Telefonas.: +370 5 2031395
Faksas: +370 5 2031396
El. p. : lithuania@kiwa.com

Įmonės kodas 302515952
PVM kodas LT 100005433315
Bankas Swedbank AB
A.S. LT067300010123171130

F SP 08-18-014



1. Introduction

This classification report defines the resistance to fire classification assigned to single or double glazed door assembly with or without glazed partitions type CS-77 FP (EI30) in accordance with the procedures given in 13501-2:2016. Page|2

2. Details of classified product

2.1 General

The element is fire resistant single or double glazed door assembly with or without glazed partitions type CS-77 FP (EI30) is defined as a door with fire resistance according to EN 1634-1:2014.

2.2 Description

Dimensions of double leaf door (EI30 C5):

Overall dimension of the doorset:	(2600 x 2556 x 68) mm (W x H x D)
Dimension of the active door leaf:	(1310 x 2500 x 68) mm (W x H x D)
Dimension of the passive door leaf:	(1188 x 2500 x 68) mm (W x H x D)

Dimensions of single leaf door (EI30 C5):

Overall dimension of the door:	(1406 x 2806 x 68) mm (W x H x D)
Dimension of the door leaf:	(1310 x 2750 x 68) mm (W x H x D)

Overall dimension of the glazed partition:

	(3250 x 3450) mm (W x H)
--	--------------------------

Overall dimension of the glass pane:	(2193 x 798 x 22) mm (W x H x D)
Overall dimension of the glass pane:	(883 x 2478 x 22) mm (W x H x D)
Overall dimension of the glass pane:	(1247 x 2287 x 20) mm (W x H x D)
Overall dimension of the glass pane:	(2630 x 1234 x 28) mm (W x H x D)
Overall dimension of the glass pane:	(1497 x 2430 x 20) mm (W x H x D)
Overall dimension of the glass pane:	(3024 x 550 x 20) mm (W x H x D)

Description of the doorset: The construction details of the single and double leaf aluminium profile door are presented in Appendix. Drawings are made by manufacturer.

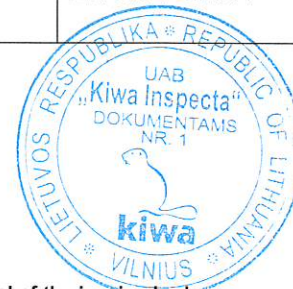
The element, single and double leaf door type CS-77 FP (EI30), is fully in the test reports and the extended application report in support of classification listed in 3.1.

Test report/ extended application reports and test results in support of the classification

Page|3

3.1 Test reports/ extended application reports

Test No.	Laboratory	Sponsor	Test report No. and date	Test method
1	Intytut Techniki Budowlanej, Poland	Reynaers Aluminium Sp. z o.o.	LZP04-00948/17/R141NZP 29-11-2019	EN 1634-1:2014+A1:2018
2	Intytut Techniki Budowlanej, Poland	Reynaers Aluminium Sp. z o.o.	LZP05-00948/17/R141NZP 02-12-2019	EN 1634-1:2014+A1:2018
3	Intytut Techniki Budowlanej, Poland	Reynaers Aluminium Sp. z o.o.	LZP06-00948/17/R141NZP 24-12-2019	EN 1634-1:2014+A1:2018
4	IFT Rosenheim, Germany	Reynaers Aluminium N.V./S.A.	271 37150 16-02-2009	EN 1634-1:2000
5	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2008-Efectis-R0802 January 2009	EN 1634-1:2000
6	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2008-Efectis-R9119 September 2012	EN 1634-1:2008
7	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2014-Efectis-R000970 March 2015	EN 1634-1:2014
8	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2016-Efectis-R000316 May 2016	EN 1634-1:2014
9	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2017-Efectis-R000156 March 2017	EN 1634-1:2014
10	Intytut Techniki Budowlanej, Poland	Reynaers Polska Sp. z o.o.	557.3/08 06-10-2008	EN 1634-1:2002
11	IFT Rosenheim, Germany	Reynaers Aluminium N.V./S.A.	251 37238/5 25-07-2012	EN 1191:2000
12	IFT Rosenheim, Germany	Reynaers Aluminium N.V./S.A.	251 37238/3 24-07-2012	EN 1191:2000
13	IFT Rosenheim, Germany	Reynaers Aluminium N.V./S.A.	251 37240/7 20-07-2012	EN 1191:2000
14	IFT Rosenheim, Germany	Reynaers Aluminium N.V./S.A.	251 37240/5 20-07-2012	EN 1191:2000
15	FRC, Lithuania	Reynaers Aluminum JSC	No. 59-21.2022.4 2022-11-08	EN 1634-1:2014+A1:2018
16	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2012-Efectis-R0119 September 2012	EN 1634-1:2014
17	Efectis Nederland BV	Reynaers Aluminium N.V./S.A.	2008-Efectis-R0174, July 2008	EN 1634-1:2014



3.2 Results

Page | 4

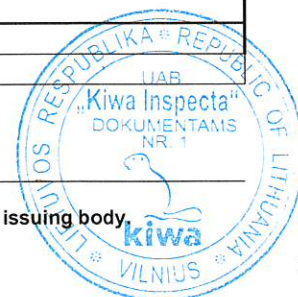
Test report no and date: LZP04-00948/17/R141NZZ, 29-11-2019 (single leaf door)		
Parameter	Door A (single door, outwards)	Door B (single door, inwards)
Supporting construction	aerated concrete blocks, 150 mm thickness, density $680 \pm 40 \text{ kg/m}^3$	
INTEGRITY		
Ignitation of the cotton pad	36 minutes, no failure	32 minutes, failure
Gap gauges	36 minutes, no failure	32 minutes, failure
Sustained flaming	36 minutes, no failure	32 minutes, failure
INSULATION		
Insulation – average temperature (140°)	36 minutes, no failure	36 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	34 minutes, failure (TC 16)	34 minutes, failure (TC 38)
Insulation I ₂ – maximal temperature (180°)	36 minutes, no failure	33 minutes, failure (TC 28)
Insulation I ₁ – maximal temperature (supplementary procedure) (180°)	19 minutes, failure (TC 14)	29 minutes, failure (TC 35)
Insulation I ₂ – maximal temperature (360°)	36 minutes, no failure	36 minutes, no failure

Test report no and date: LZP05-00948/17/R141NZZ, 02-12-2019 (double door, outwards)	
Parameter	Result
Supporting construction	flexible supporting construction with 125 mm thickness of gypsum plasterboard type F (2 x 125 mm thickness)
INTEGRITY	
Ignitation of the cotton pad	35 minutes, no failure
Gap gauges	35 minutes, no failure
Sustained flaming	35 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	36 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	31 minutes, failure (TC 30)
Insulation I ₁ – maximal temperature (supplementary procedure) (180°)	31 minutes, failure (TC 16, 20)
Insulation I ₂ – maximal temperature (180°)	36 minutes, no failure
Insulation I ₂ – maximal temperature (360°)	36 minutes, no failure

Test report no and date: LZP06-00948/17/R141NZZ, 24-12-2019 (single door outwards, glazing beads on exposed side)	
Parameter	Result
Supporting construction	aerated concrete blocks, 150 mm thickness, density $600 \pm 40 \text{ kg/m}^3$
INTEGRITY	
Ignitation of the cotton pad	36 minutes, no failure
Gap gauges	36 minutes, no failure
Sustained flaming	36 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	36 minutes, no failure
Insulation – maximal temperature (180°)	36 minutes, no failure
Radiation, kW/m^2	36 minutes, no failure

This report may not be reproduced other than in full, except with the prior written approval of the issuing body.

F SP 08-18-014



Test report no and date: 271 37150, 16-02-2009 (double leaf (outwards) in glass wall with top and side panels

Parameter	Result
Supporting construction	concrete blocks, 175 mm thickness, free edges filled with mineral wool „Termarock 50“
INTEGRITY	
Ignitation of the cotton pad	36 minutes, no failure
Gap gauges	36 minutes, no failure
Sustained flaming	36 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	36 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	26 minutes, no failure
Insulation I ₂ – maximal temperature (180°)	33 minutes, no failure
Insulation I ₂ – maximal temperature (360°)	36 minutes, no failure

Page|5

Test report no and date: 2008-Efectis-R0802, January 2009 (glazed wall with top and side panels, glazing beads on exposed side)

Parameter	Result
Supporting construction	aerated concrete blocks, density 675 kg/m ³
INTEGRITY	
Ignitation of the cotton pad	48 minutes, no failure
Gap gauges	48 minutes, no failure
Sustained flaming	48 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	48 minutes, no failure
Insulation I ₂ – maximal temperature (180°/360°)	48 minutes, no failure
Radiation, kW/m ²	48 minutes, no failure

Test report no and date: 2008-Efectis-R9119, September 2012 (double leaf outwards, glazed wall with top and side panels, glazing beads on exposed side)

Parameter	Result
Supporting construction	aerated concrete blocks, 150 - 230 mm thickness, density 650 - 1200 kg/m ³
INTEGRITY	
Ignitation of the cotton pad	38 minutes, no failure
Gap gauges	38 minutes, no failure
Sustained flaming	38 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	38 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	32 minutes, failure
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	32 minutes, failure
Insulation I ₂ – maximal temperature (180°)	38 minutes, no failure
Insulation I ₂ – maximal temperature (360 °)	38 minutes, no failure

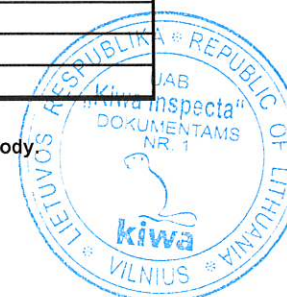
Test report no and date: 2014-Efectis-R000970, March 2015 (double leaf outwards, with top panels, glazing beads on exposed side)	
Parameter	Result
Supporting construction	aerated concrete blocks, 150 mm thickness, density 650 kg/m ³
INTEGRITY	
Ignitation of the cotton pad	45 minutes, no failure
Gap gauges	45 minutes, no failure
Sustained flaming	45 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	35 minutes, failure
Insulation I ₁ – maximal temperature (180°)	31 minutes, failure
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	31 minutes, failure
Insulation I ₂ – maximal temperature (180°)	35 minutes, failure
Insulation I ₂ – maximal temperature (360 °)	35 minutes, failure

Test report no and date: 2016-Efectis-R000316, May 2016 (double leaf outwards, with top panels, glazing beads on exposed side)	
Parameter	Result
Supporting construction	Associated of an aluminium frame type CS 77-FP (EI30), the bottom and top of construction built in aerated concrete blocks
INTEGRITY	
Ignitation of the cotton pad	37 minutes, no failure
Gap gauges	37 minutes, no failure
Sustained flaming	37 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	37 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	30 minutes, failure (TC 59)
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	30 minutes, failure
Insulation I ₂ – maximal temperature (180°)	30 minutes, failure (TC 59)
Insulation I ₂ – maximal temperature (360 °)	30 minutes, failure
Radiation, kW/m ²	37 minutes, no failure

Test report no and date: 2017-Efectis-R000156, March 2017 (double leaf outwards, glazed wall with top and side panels, glazing beads on exposed side)	
Parameter	Result
Supporting construction	aerated concrete blocks, 150 mm thickness, density 650 kg/m ³
INTEGRITY	
Ignitation of the cotton pad	36 minutes, no failure
Gap gauges	36 minutes, no failure
Sustained flaming	35 minutes, failure
INSULATION	
Insulation – average temperature (140°)	36 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	36 minutes, no failure
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	36 minutes, no failure
Insulation I ₂ – maximal temperature (180°)	36 minutes, no failure
Insulation I ₂ – maximal temperature (360 °)	36 minutes, no failure
Radiation, kW/m ²	36 minutes, no failure

This report may not be reproduced other than in full, except with the prior written approval of the issuing body

F SP 08-18-014



Classification report No. 2020.10.30/1-CL-01_revision_1
Test report no and date: 557.3/08, 06-10-2008 (double door, inwards)

Parameter	Result
Supporting construction	aerated concrete blocks, 200 mm thickness, density 800 kg/m ³
INTEGRITY	
Ignitation of the cotton pad	37 minutes, no failure
Gap gauges	37 minutes, no failure
Sustained flaming	37 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	37 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	30 minutes, failure
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	30 minutes, failure
Insulation I ₂ – maximal temperature (180°)	37 minutes, no failure
Insulation I ₂ – maximal temperature (360 °)	37 minutes, no failure

Page|7

Test Report no and date: 251 37238/5, 25-07-2012 (double door with top light panel)

Number of test cycles	Measurement of operational forces			
	Opening of active door (N)	Opening of passive door (N)	Pushing down the handle active door (N)	Pushing down the handle passive door (N)
0	2,2	2,4	32,3	39,7
50 000	-	-	-	-
100 000	-	-	-	-
150 000	-	-	-	-
200 000	-	-	28,0	35,3

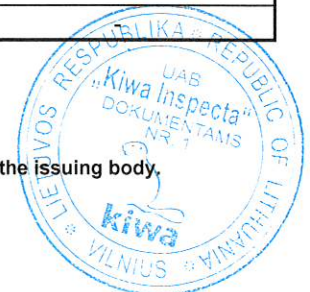
Test Report no and date: 251 37238/3, 24-07-2012 (double door with top and side light panel)

Number of test cycles	Measurement of operational forces			
	Opening of active door (N)	Opening of passive door (N)	Pushing down the handle active door (N)	Pushing down the handle passive door (N)
0	2,2	4,1	41,3	40,3
50 000	-	-	-	-
100 000	-	-	-	-
150 000	-	-	-	-
200 000	-	-	33,7	37,7

Test Report no and date: 251 37240/7, 20-07-2012 (single door with top and side light panel)

Number of test cycles	Measurement of operational forces			
	Opening of active door (N)	Opening of passive door (N)	Pushing down the handle active door (N)	Pushing down the handle passive door (N)
0	1,9	-	31,0	-
50 000	-	-	-	-
100 000	-	-	-	-
150 000	-	-	-	-
200 000	-	-	28,7	-

This report may not be reproduced other than in full, except with the prior written approval of the issuing body,
F SP 08-18-014



Test Report no and date: 251 37240/5, 20-07-2012 (single door with top and side light panel)				
Number of test cycles	Measurement of operational forces			
	Opening of active door (N)	Opening of passive door (N)	Pushing down the handle active door (N)	Pushing down the handle passive door (N)
0	2,7	-	62,7	-
50 000	-	-	-	-
100 000	-	-	-	-
150 000	-	-	-	-
200 000	-	-	55,0	-

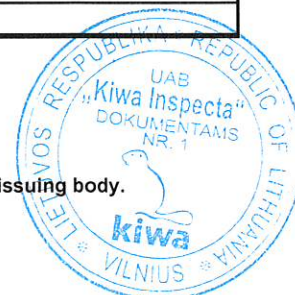
Page|8

Test report no and date: No. 59-21.2022.4, 2022-11-08 (single leaf door in glazed wall with top and side panels, glazing beads on exposed side)	
Parameter	Result
Supporting construction	aerated concrete blocks, density 675 kg/m ³
INTEGRITY	
Ignitation of the cotton pad	36 minutes, no failure
Gap gauges	36 minutes, no failure
Sustained flaming	36 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	36 minutes, no failure
Insulation I ₁ – maximal temperature (180°/180°)	33 minutes, no failure
Insulation I ₂ – maximal temperature (180°/360°)	34 minutes, no failure
Radiation, kW/m ²	36 minutes, no failure

Test report no and date: 2012-Efectis-R9119, September 2012 (double leaf outwards, with top panels, glazing beads non exposed side)	
Parameter	Result
Supporting construction	Associated of an aluminium frame type CS 77-FP (EI30), the bottom and top of construction built in aerated concrete blocks
INTEGRITY	
Ignitation of the cotton pad	38 minutes, no failure
Gap gauges	38 minutes, no failure
Sustained flaming	38 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	38 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	32 minutes, failure (TC 10)
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	38 minutes, no failure
Insulation I ₂ – maximal temperature (180°)	38 minutes, no failure
Insulation I ₂ – maximal temperature (360 °)	38 minutes, no failure
Radiation, kW/m ²	38 minutes, no failure

This report may not be reproduced other than in full, except with the prior written approval of the issuing body.

F SP 08-18-014



Test report no and date: 2008-Efectis-R0174, July 2008 (single leaf outwards, glazing beads non exposed side)	
Parameter	Result
Supporting construction	Rigid masonry of aerated concrete blocks
INTEGRITY	
Ignition of the cotton pad	36 minutes, no failure
Gap gauges	36 minutes, no failure
Sustained flaming	36 minutes, no failure
INSULATION	
Insulation – average temperature (140°)	36 minutes, no failure
Insulation I ₁ – maximal temperature (180°)	21 minutes, failure (TC 21)
Insulation I ₁ – maximal temperature (supplementary procedure) (180 °)	36 minutes, no failure
Insulation I ₂ – maximal temperature (180°)	36 minutes, no failure
Insulation I ₂ – maximal temperature (360 °)	36 minutes, no failure
Radiation, kW/m ²	36 minutes, no failure

Page|9

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with Clause 7 of EN 13501-2:2016.

4.2 Classification

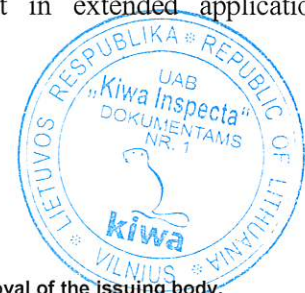
The element, type CS 77-FP (30) is classified according to the example of the following combinations of performance parameters and classes as appropriate.

R	E	I ₁	I ₂	W	t	t	-	M	S	C	IncSlow	sn	ef	r
-	30	-	30	30	-	-	-	-	-	5	-	-	-	-

Fire resistance classification:
EW30-C5/ EI₂30-C5/ E30-C5

4.3 Field of application

This classification is valid for the following end use application in accordance with the field of direct application in EN 1634-1:2014 and EN 1191:2012 and the field of extended application in EN 15269-5:2014+A1:2017. The scope of the extension is set out in extended application No. 2020.10.30/1-EX-01_revision_1 by UAB “Kiwa Inspecta”.



5. Limitations

This classification document does not represent type approval or certification of the product.

Page|10

Prepared by

Certification expert
Aurelija Rimkienė



Confirmed

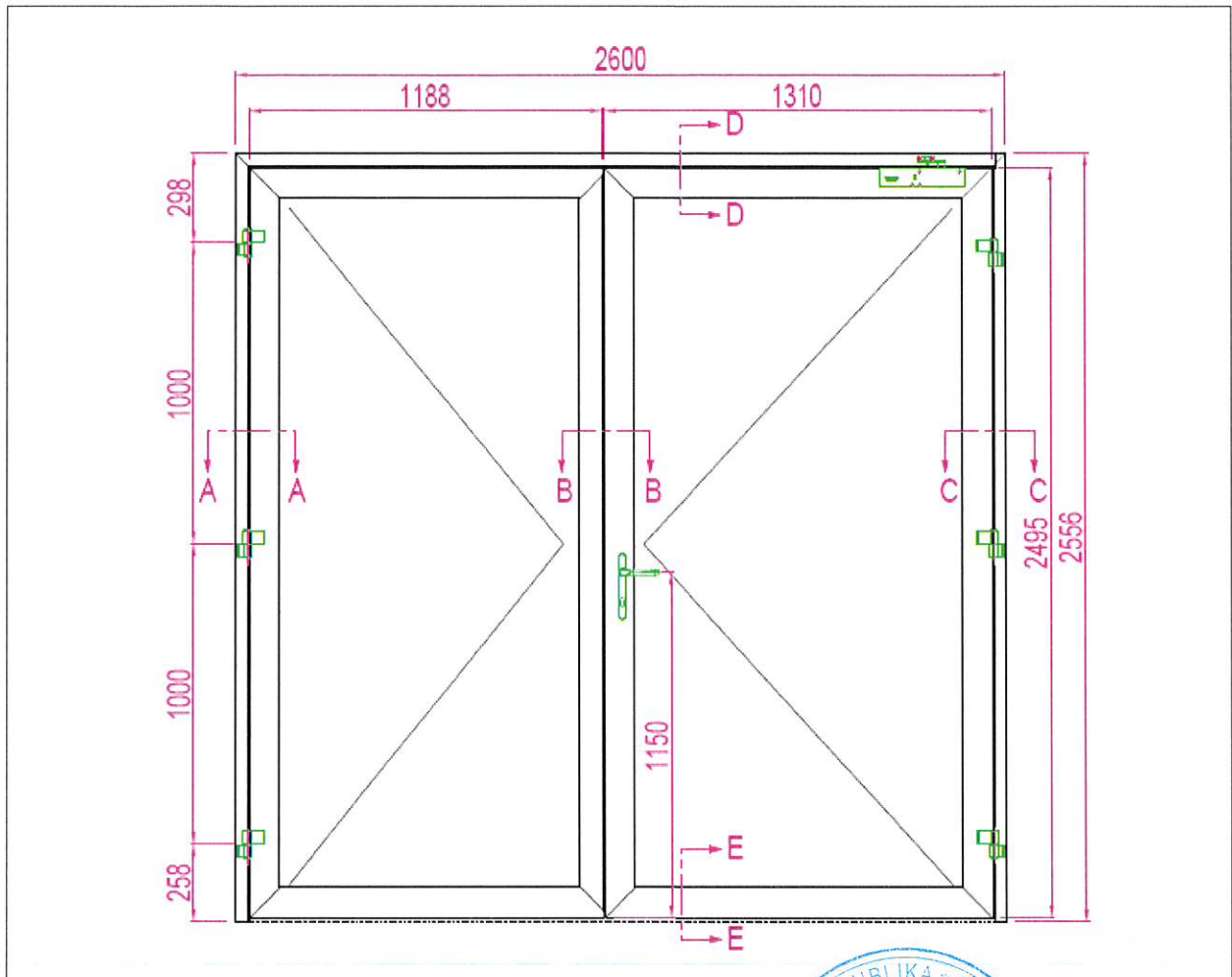
Certification expert
PhD. Mindaugas Grigonis




ANNEXES

Drawing 1.	Front view of double door
Drawing 2.	View of double door section A-A cut
Drawing 3.	View of double door section B – B cut
Drawing 4.	View of double door section C – C cut
Drawing 5.	View of double door section D – D cut
Drawing 6.	View of double door section E – E cut
Drawing 7.	Fire proof glazing clips for double door
Drawing 8.	Hardware for double door
Drawing 9.	Profile for double door
Drawing 10.	Accessories 1 (double door)
Drawing 11.	Accessories 2 (double door)
Drawing 12.	List of materials for single door
Drawing 13.	Front view of single door (glazing beads to fire)
Drawing 14.	Front view of single door (glazing beads cold side)
Drawing 15.	View of single door section A – A, E -E cut
Drawing 16.	View of single door section B – B, F- F cut
Drawing 17.	View of single door section C – C, G - G cut
Drawing 18.	View of single door section D – D, H - H cut
Drawing 19.	Hardware for single door
Drawing 20.	Fire proof glazing clips for single door
Drawing 21.	Profile for single door
Drawing 22.	Accessories 1 (single door)
Drawing 23.	Accessories 2 (single door)
Drawing 24.	List of materials for single door
Drawing 25.	View of construction with partitions
Drawing 26.	View of partition cuts
Drawing 27.	View of construction with partitions section A – A cut
Drawing 28.	View of construction with partitions section B – B cut
Drawing 29.	View of construction with partitions section C – C cut
Drawing 30.	View of construction with partitions section D – D cut
Drawing 31.	Hardware for partition
Drawing 32.	Fire proof glazing clips for partition
Drawing 33.	Profile of partition 1
Drawing 34.	Profile of partition 2

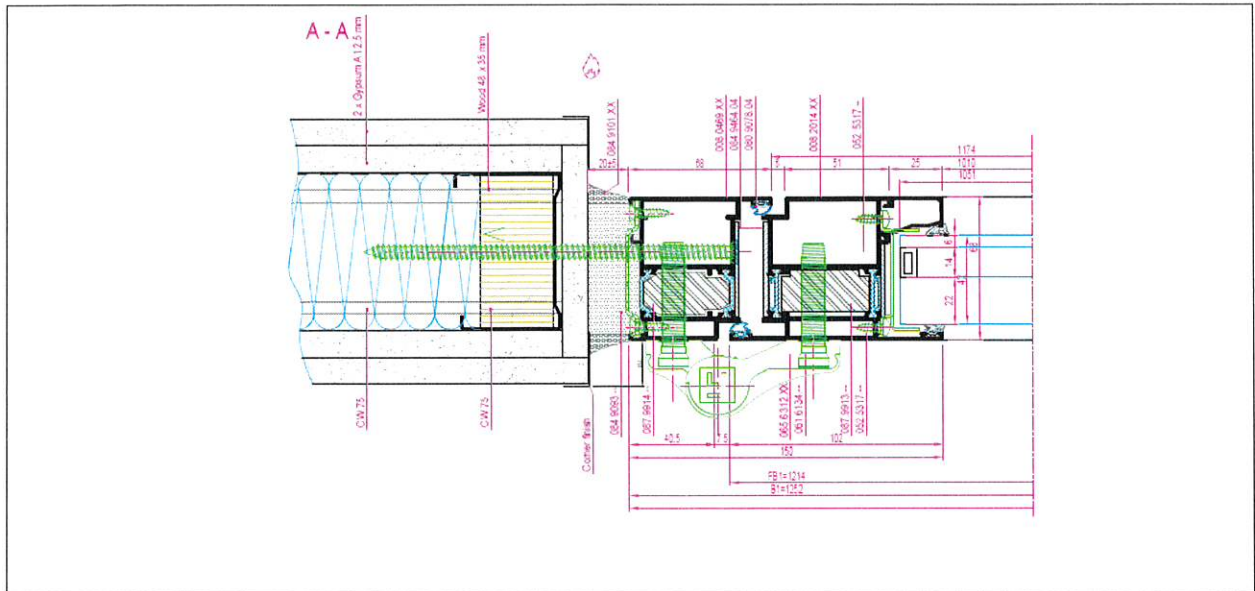
ANNEX



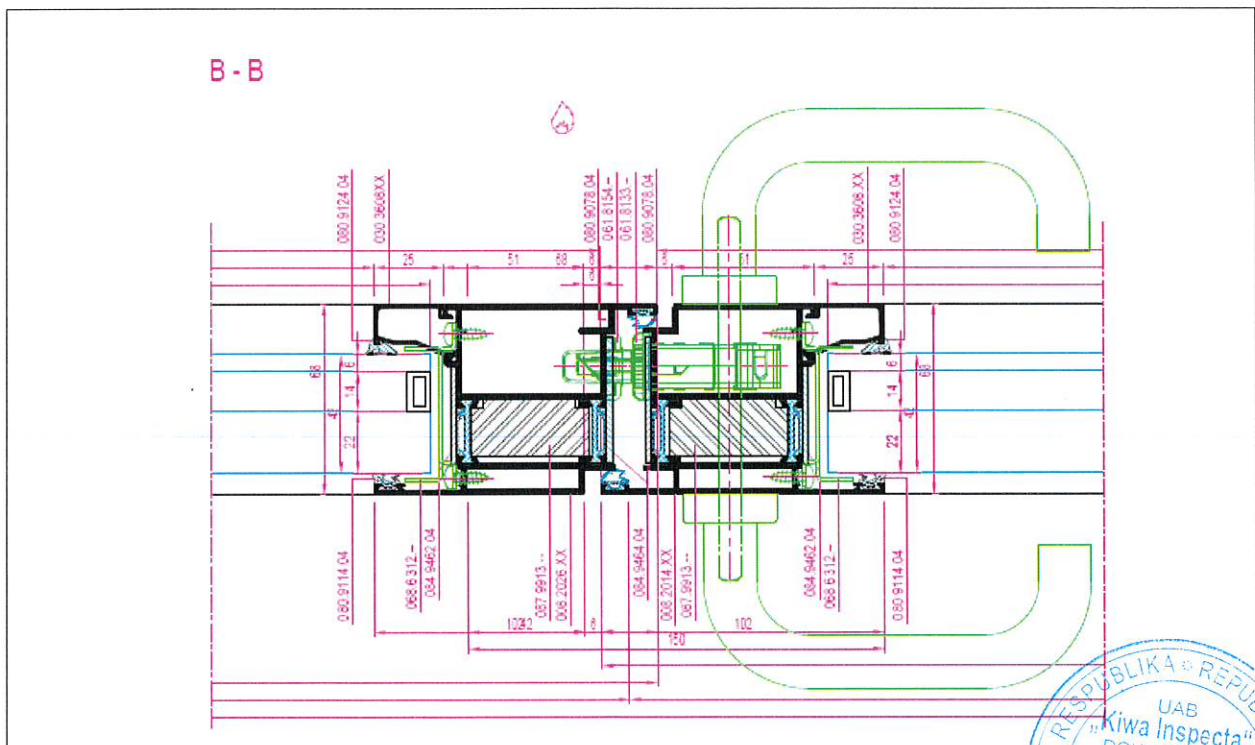
Page|11

Drawing 1. Front view of double door

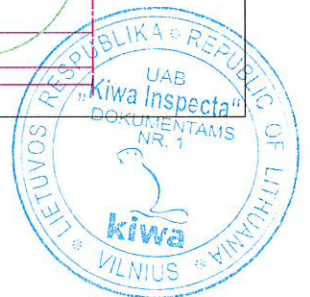


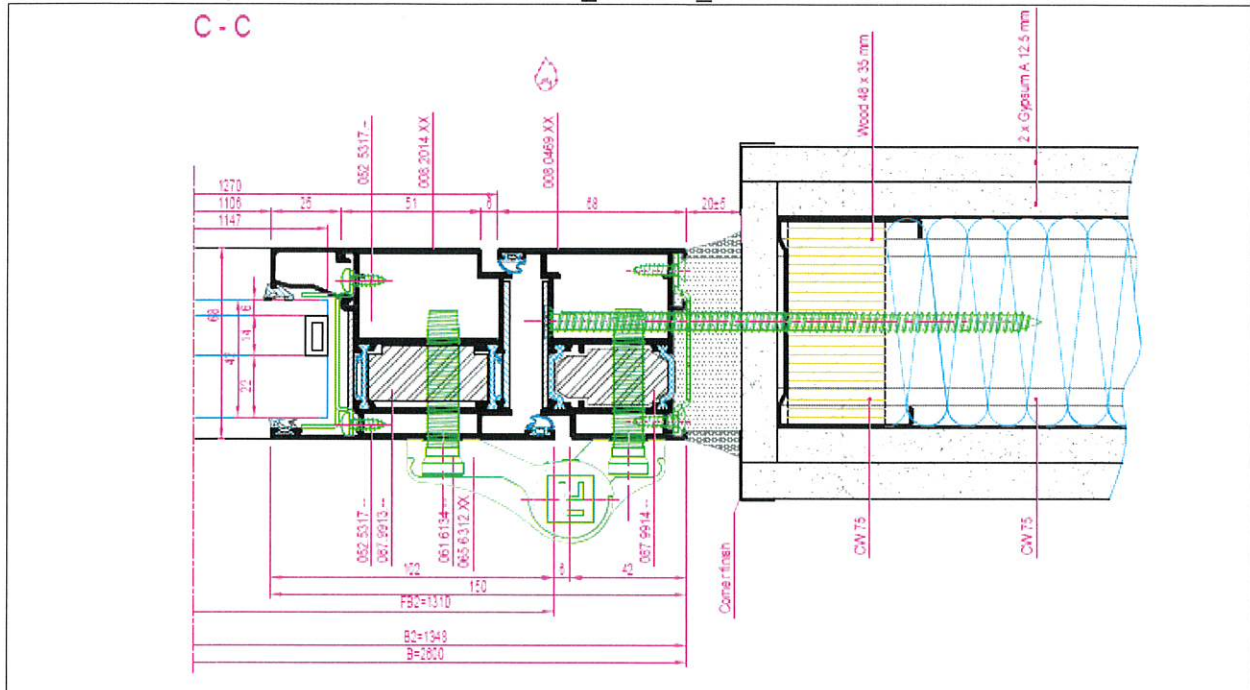


Drawing 2. View of double door section A – A cut

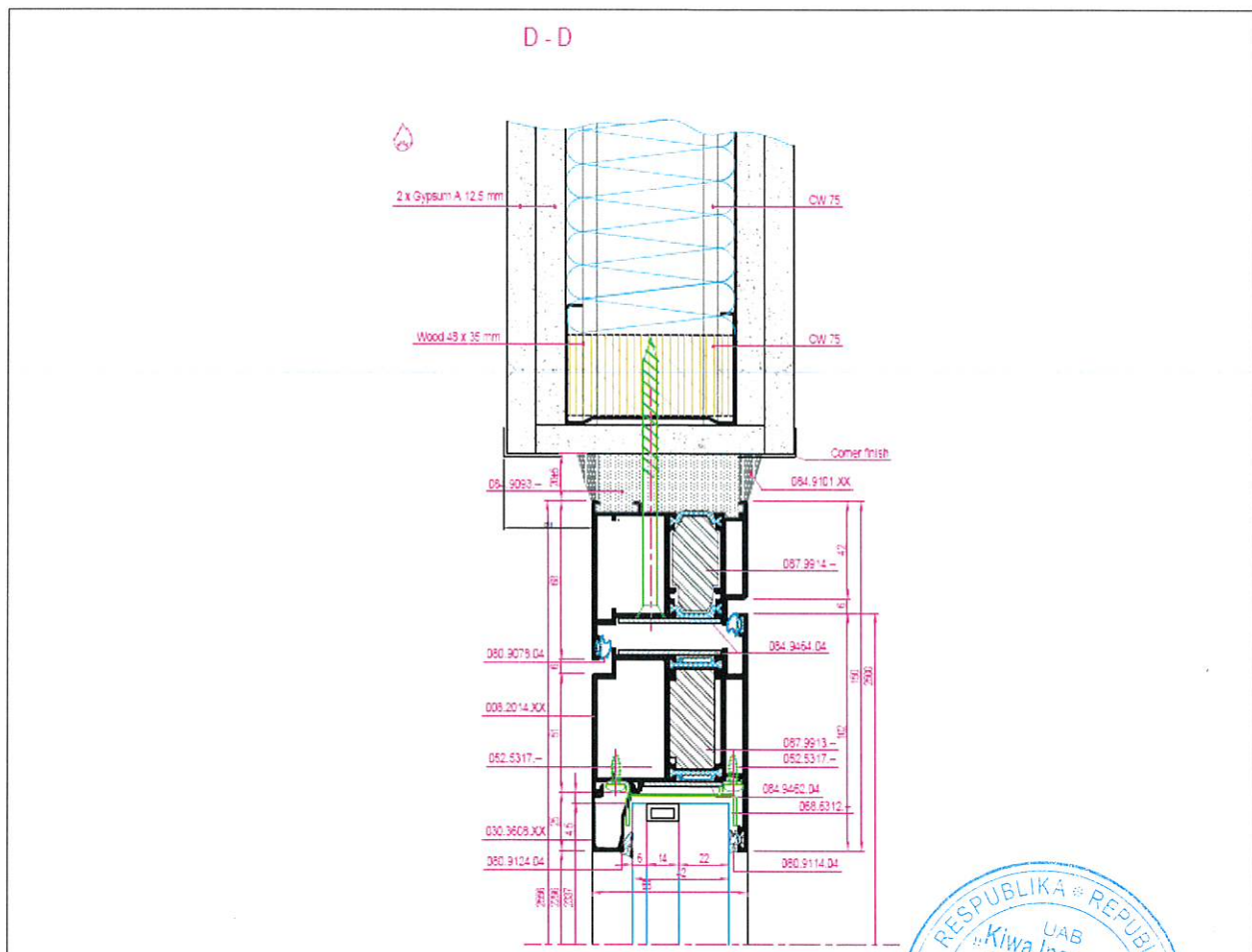


Drawing 3. View of double door section B – B cut





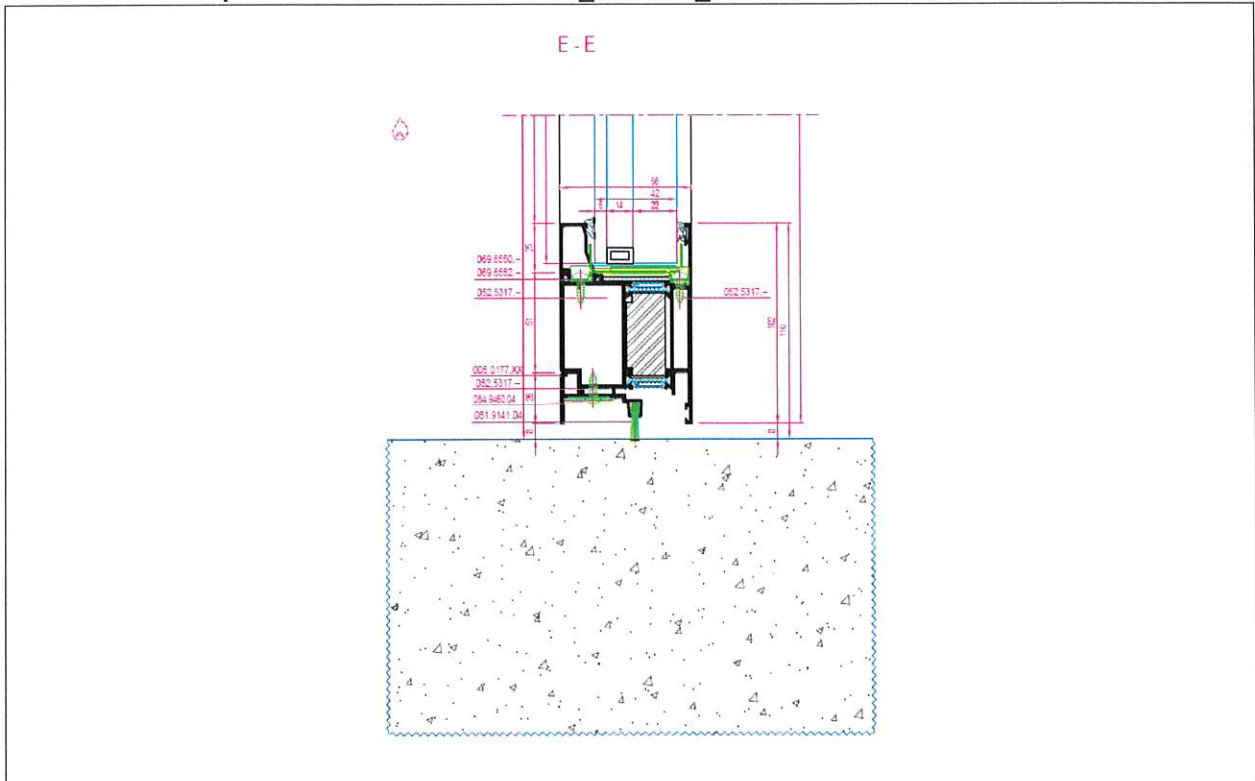
Drawing 4. View of double door section C – C cut



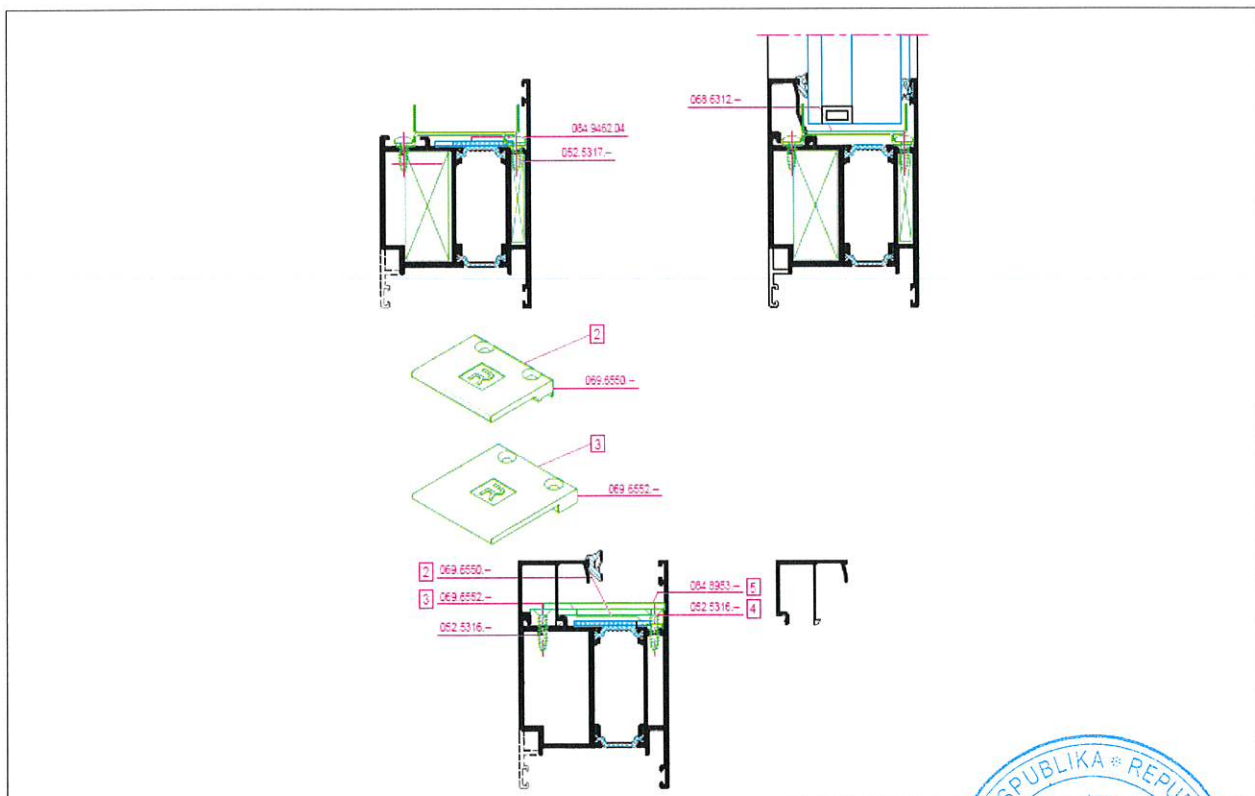
Drawing 5. View of double door section D – D cut

This report may not be reproduced other than in full, except with the prior written approval of the issuing body.
F SP 08-18-014

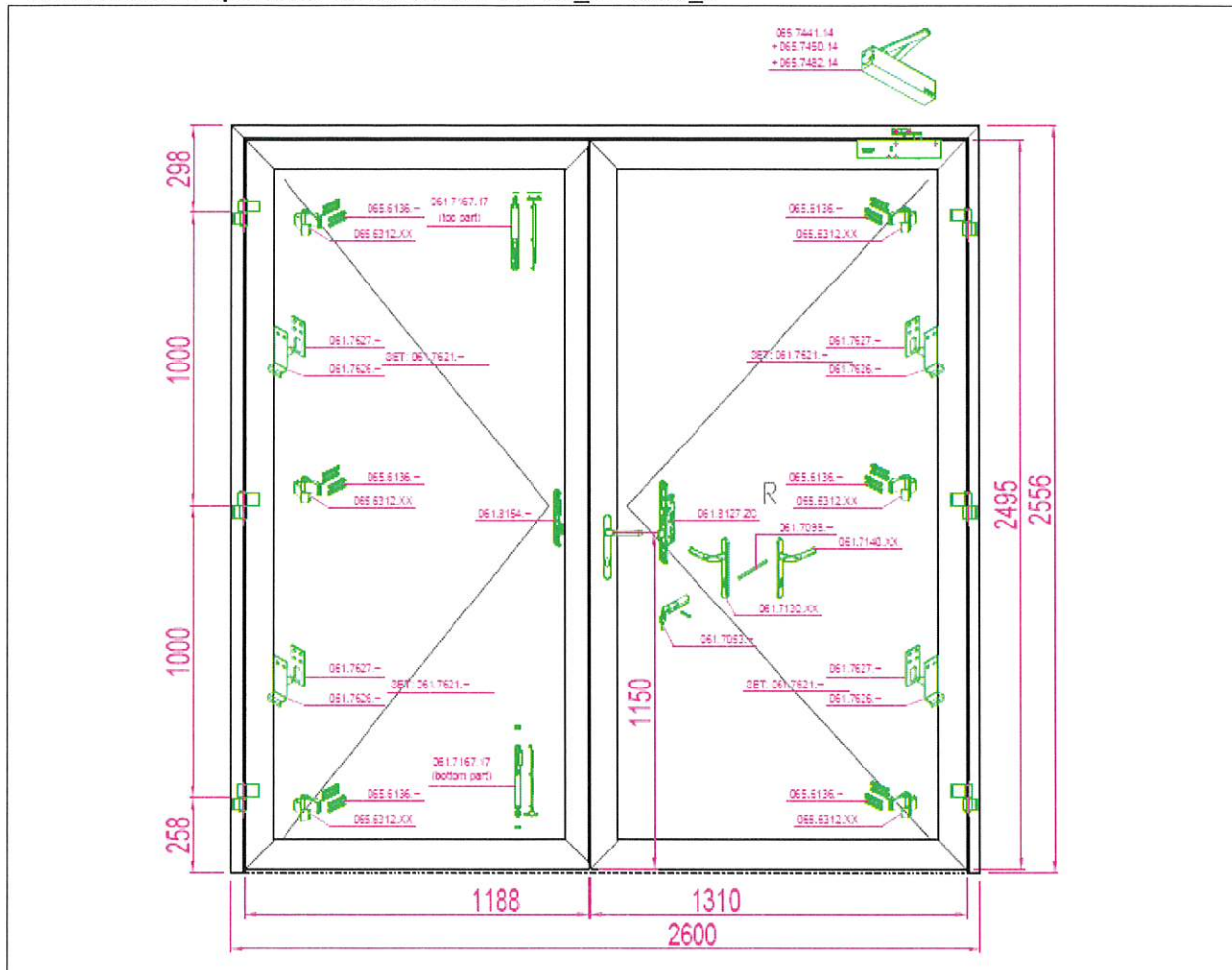
F SP 08-18-014



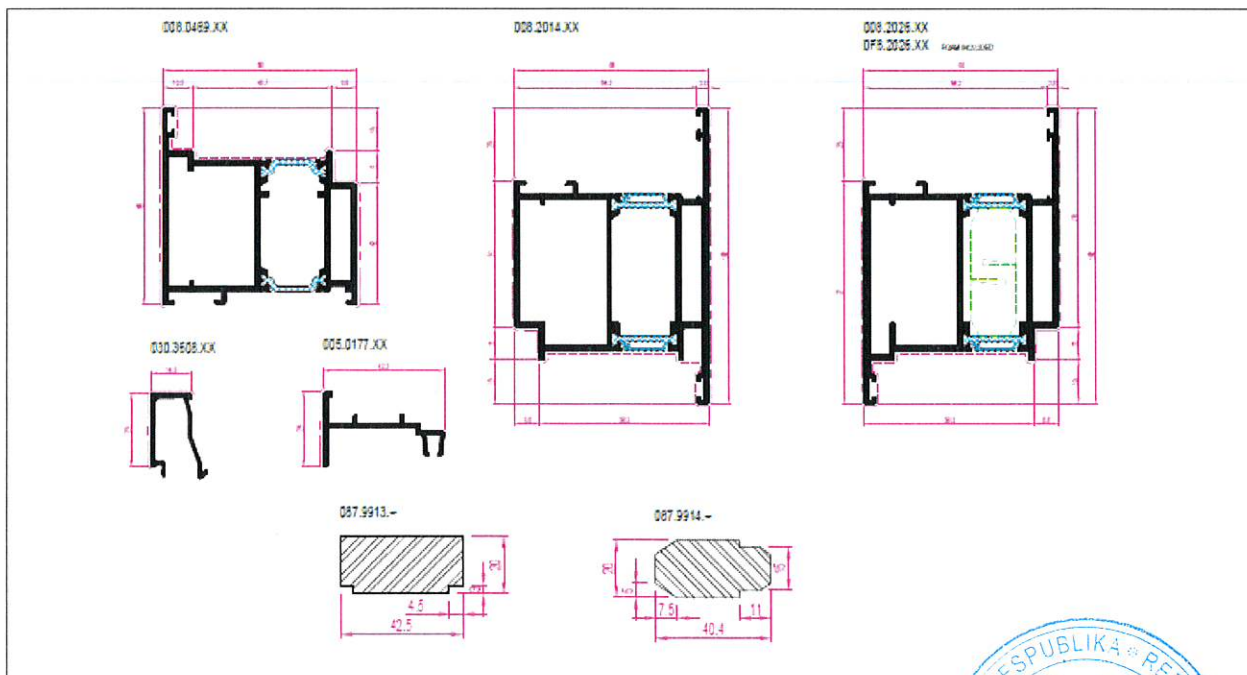
Drawing 6. View of double door section E – E cut



Drawing 7. Fire proof glazing clips for double door

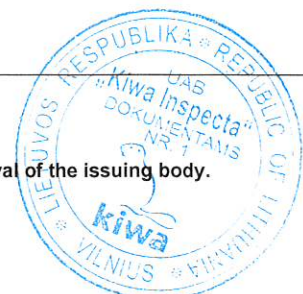


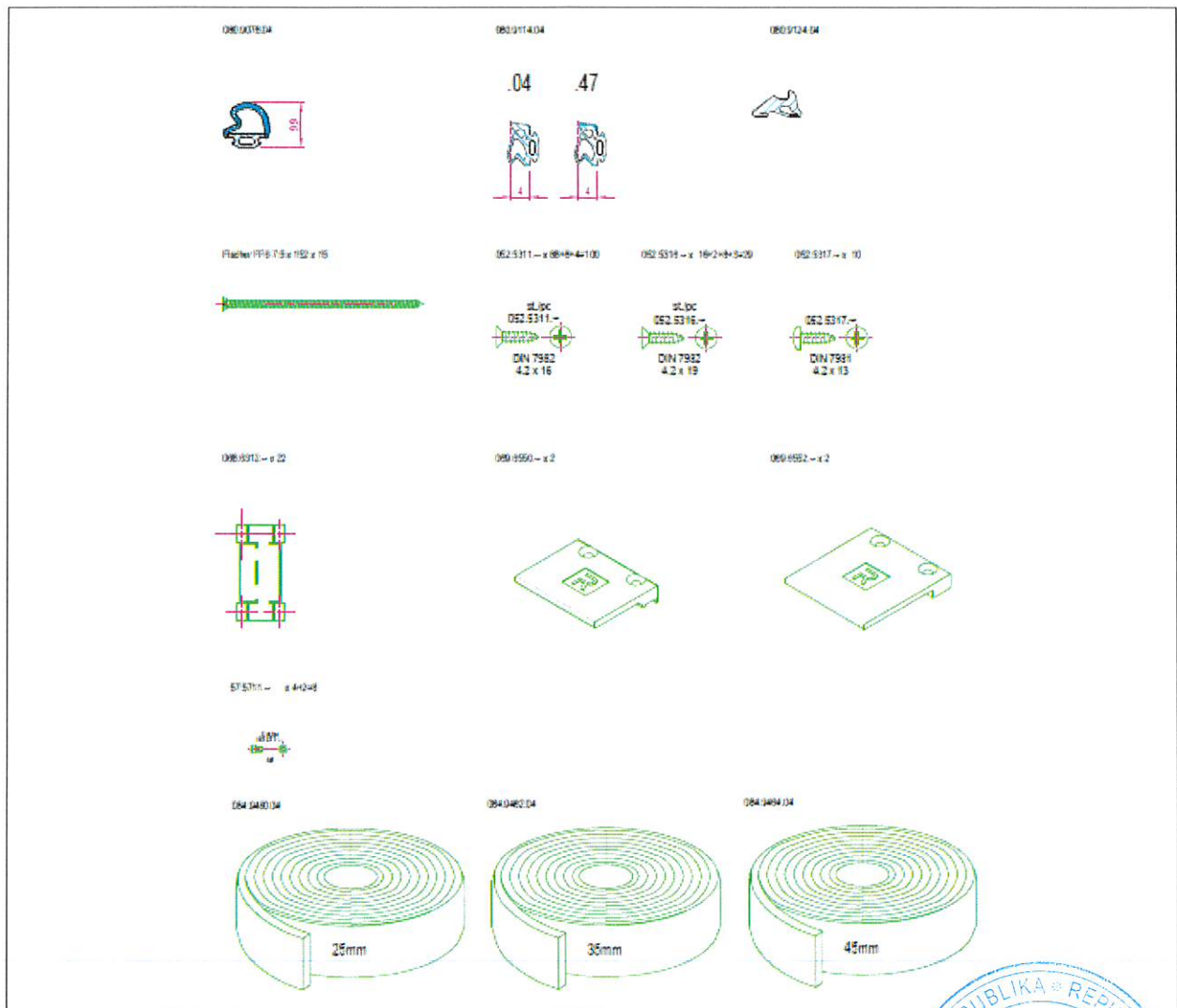
Drawing 8. Hardware for double door



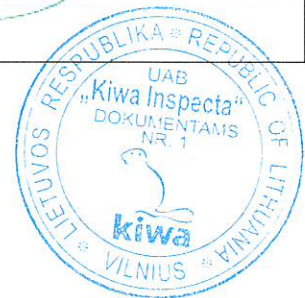
Drawing 9. Profile for double door

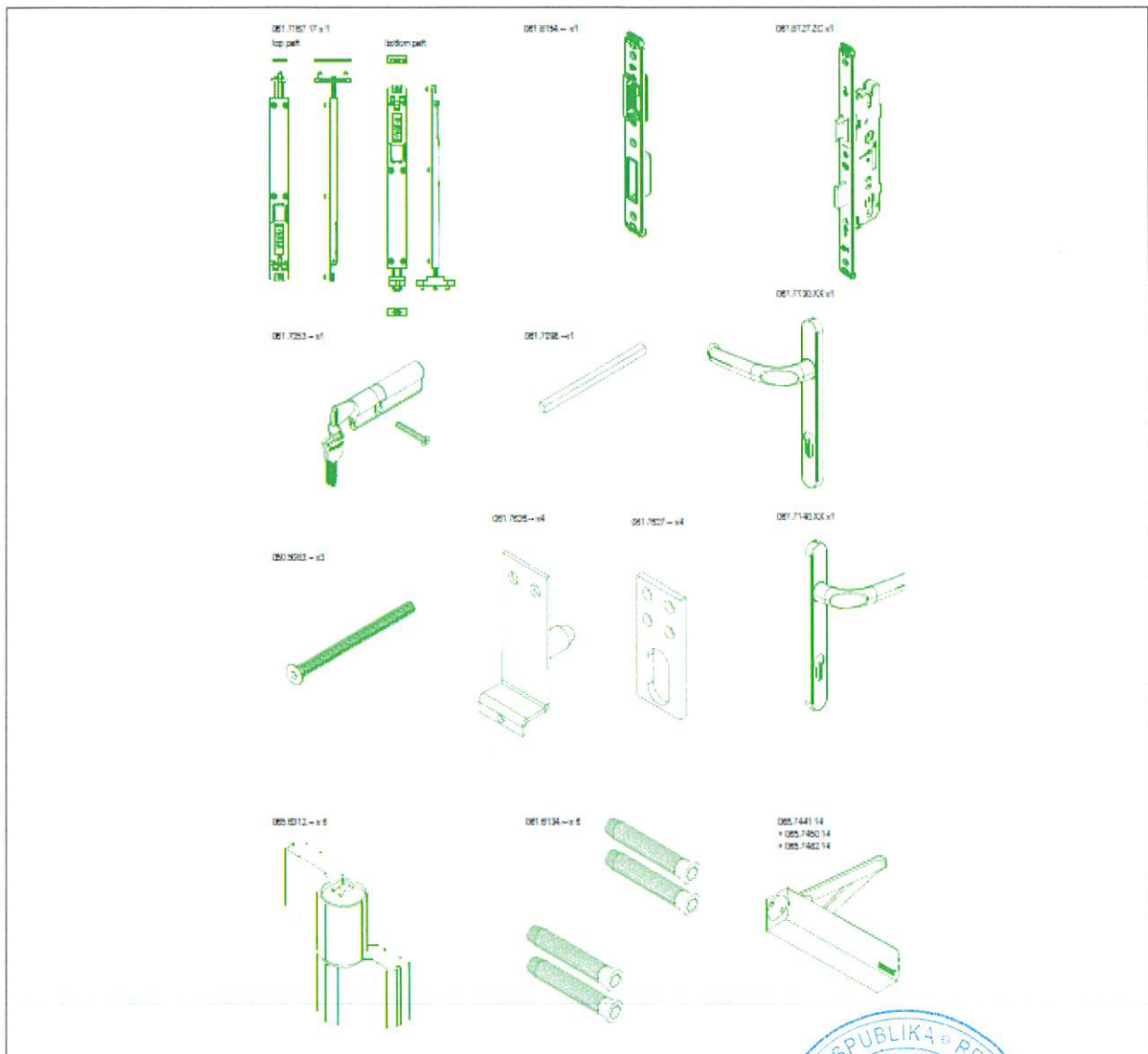
This report may not be reproduced other than in full, except with the prior written approval of the issuing body.
F SP 08-18-014



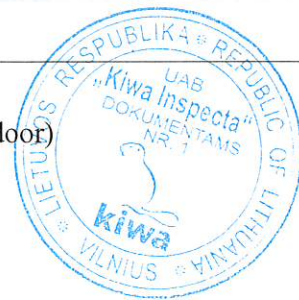


Drawing 10. Accessories 1 (double door)





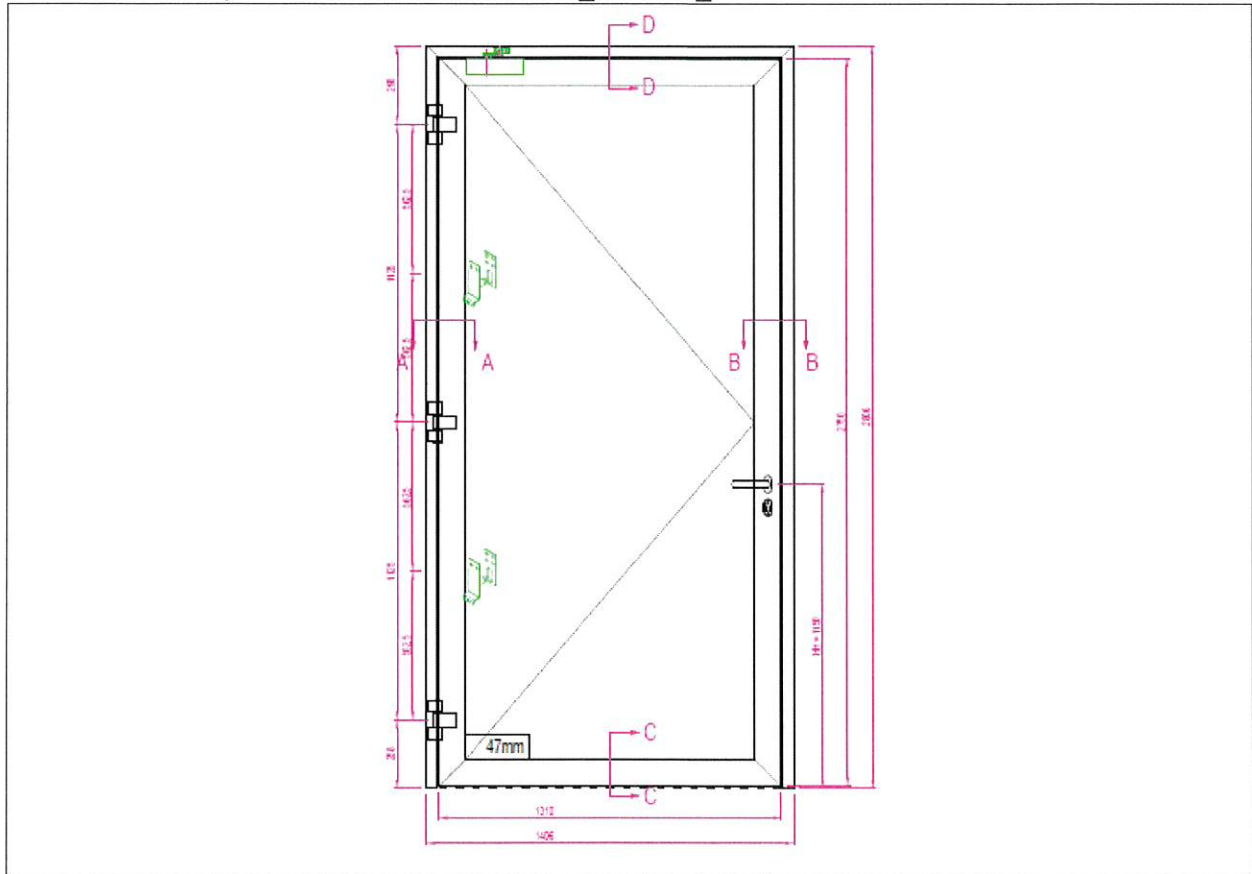
Drawing 11. Accessories 2 (double door)



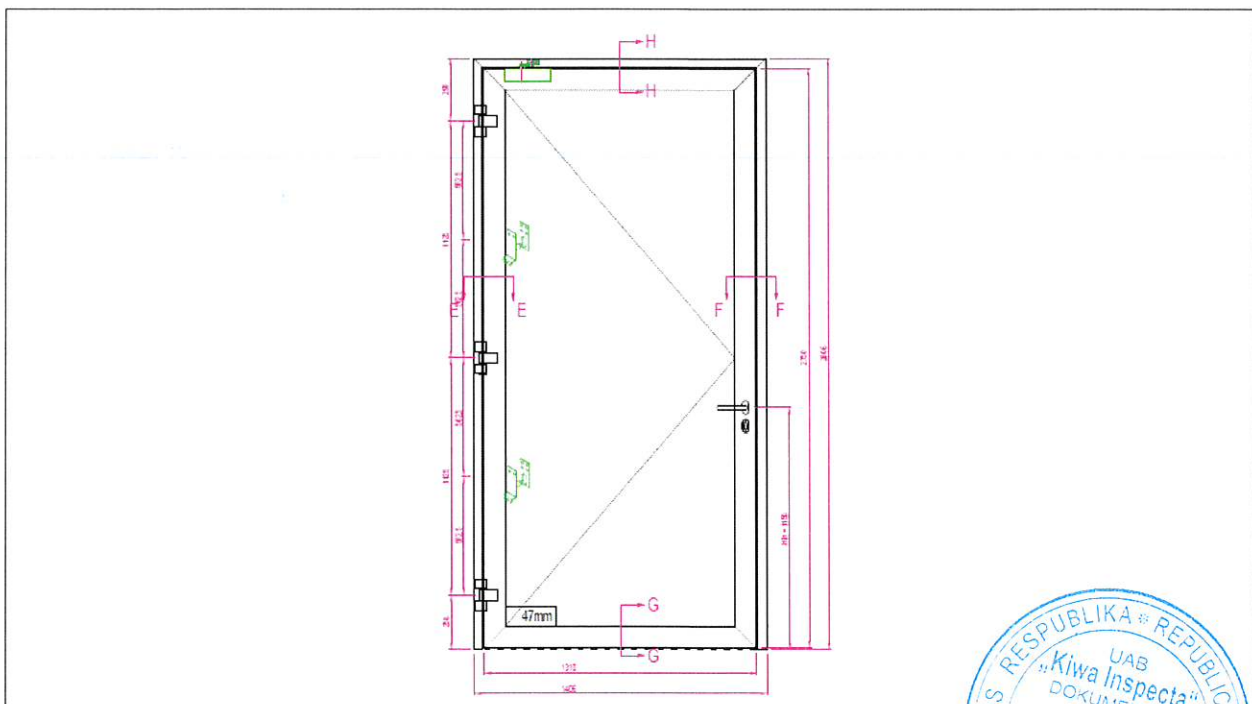
			#				#
USZCZELKI				OKUCIA			
080.9078.04			(2x6)+(8x4)=30536	085.8312.XX			6
080.9114.SY			(2x6)+(2x2) +(4x4)=13720	085.8134.-			6
080.9124.SY			(2x6)+(2x2) +(4x4)=13720	081.8127.ZC			1
				082.5318.-			2
				081.8154.-			1
				082.5318.-			3
SZCZOTKI				081.7187.-			1
081.9092.04			15 x 51,5	081.7130.XX			1
081.9141.04			2600	081.7140.XX			1
NAROŻNIKI				081.7053.-			1
088.7794.00			2	081.7098.-			1
088.7797.00			8	080.5083.-			3
080.8723.-			8	085.7441.14			1
PODPÓRKI POD PRZESZKLENIE				087.5711.-			4
089.8550.-			4	085.7450.14			1
082.5318.-			8	085.7482.14			1
089.8552.-			4	088.8390.-			4
082.5318.-			8	082.5318.-			8
084.8952.-			4	088.8312.-			44
084.8953.-			4	082.5317.-			176
PRÓG				081.7828.-			4
089.8453.04			1	082.5317.-			8
082.5311.-			4	082.5320.-			4
089.8460.04			2	081.7827.-			4
082.5311.-			8	082.5317.-			16
TAŚMY MARVON				ZASŁEPKI			
084.9480.04			2600	089.8511.04			1
084.9482.04			15404	089.8512.04			1
084.9484.04			20536	CHEMIA			
				084.9093.-			1
GKF				084.9101.XX			1
087.9913.-			8500	084.9081.-			1
087.9914.-			7500	087.9551.-			1

Drawing 12. Fire proof glazing clips for double door

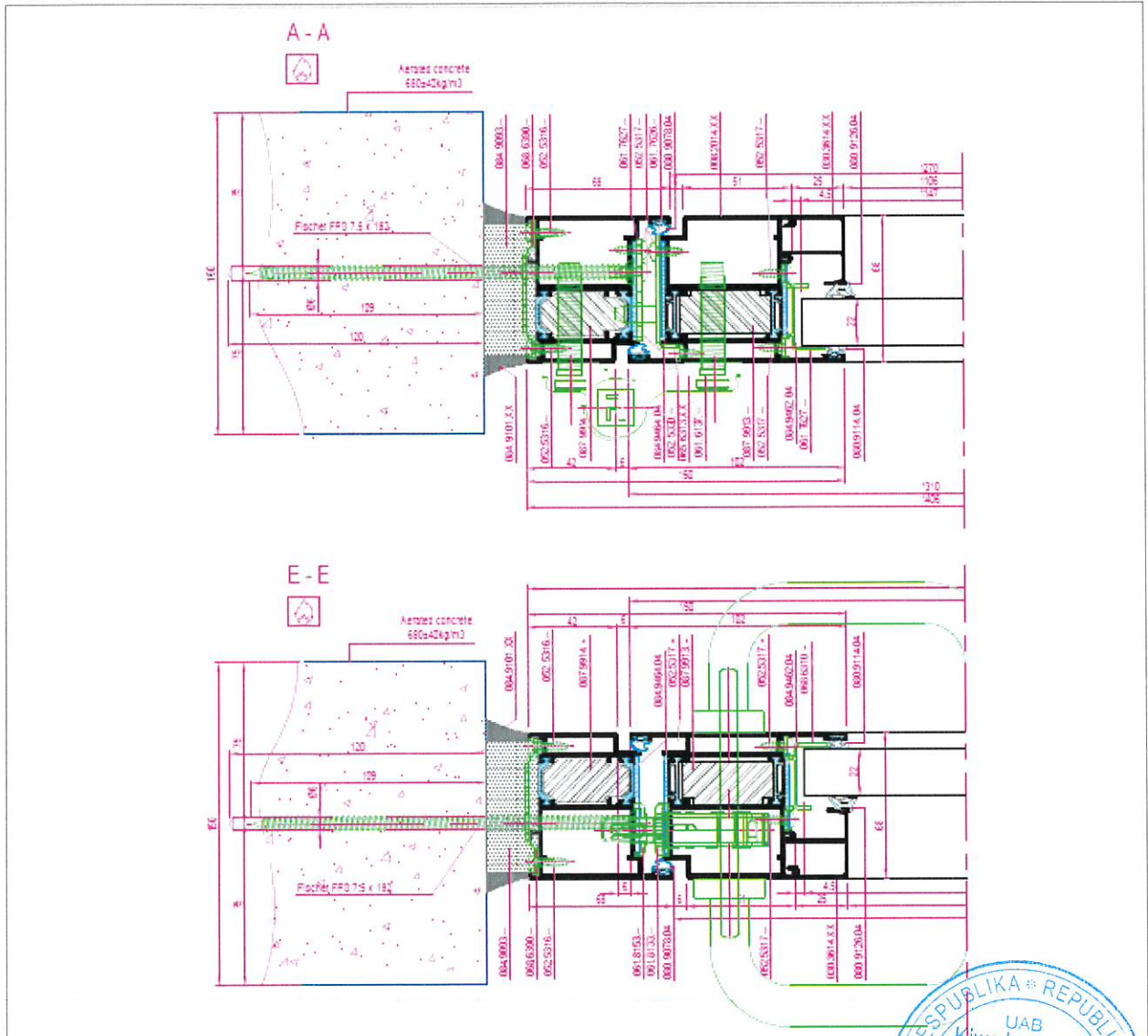




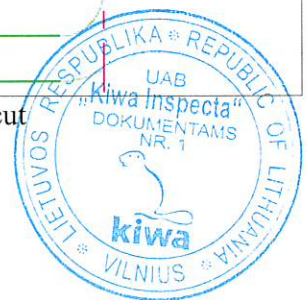
Drawing 13. Front view of single door (glazing beads to fire)

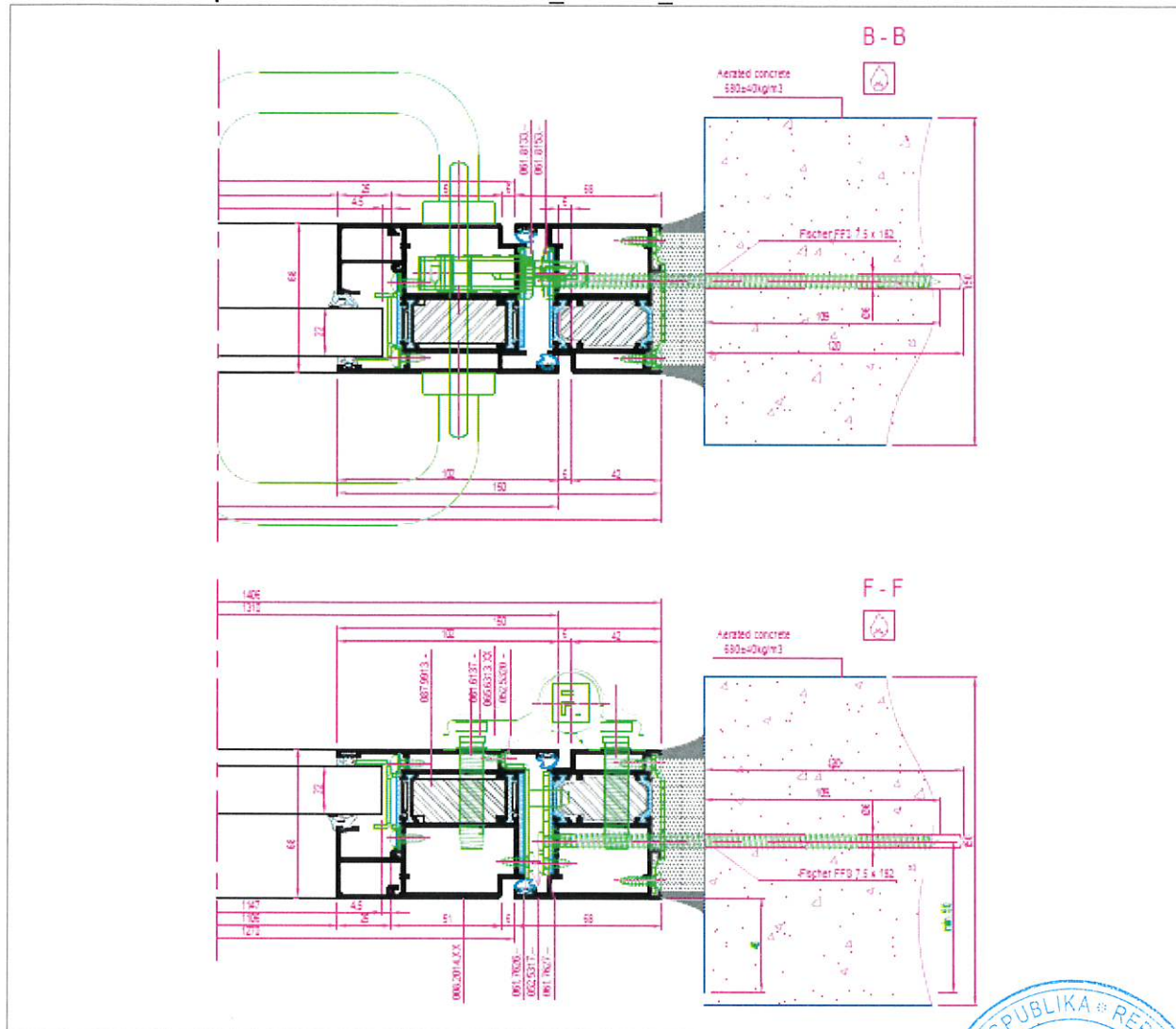


Drawing 14. Front view of single door (glazing beads cold side)

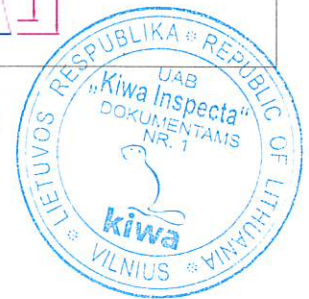


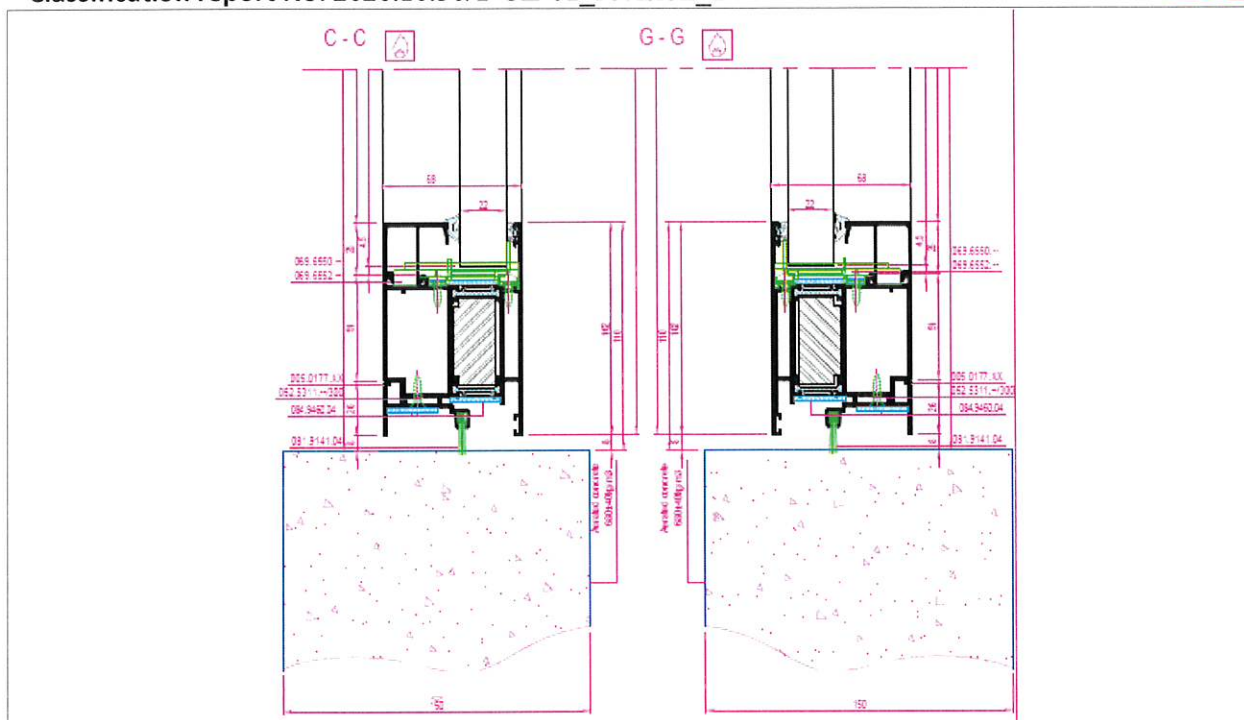
Drawing 15. View of single door section A – A, E - E cut



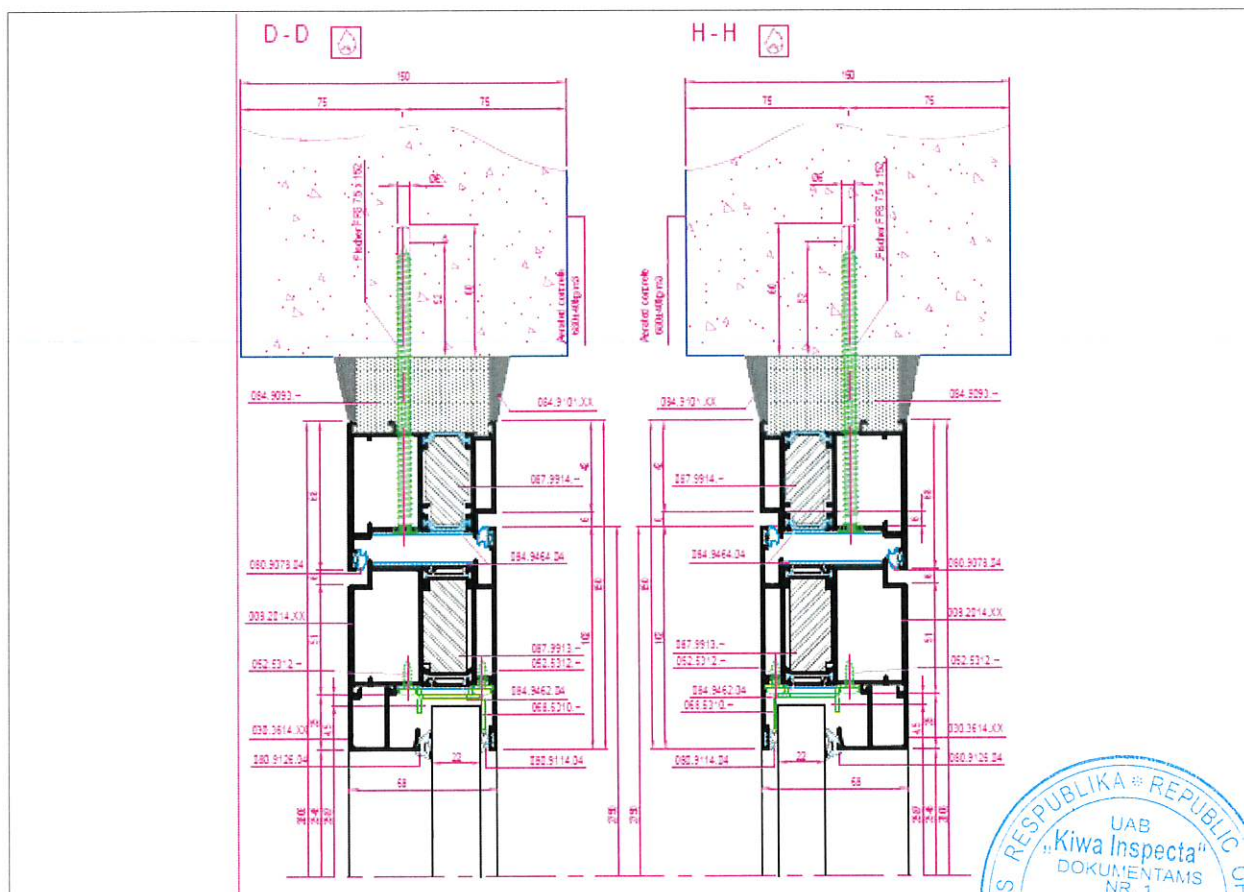


Drawing 16. View of single door section B – B, F - F cut





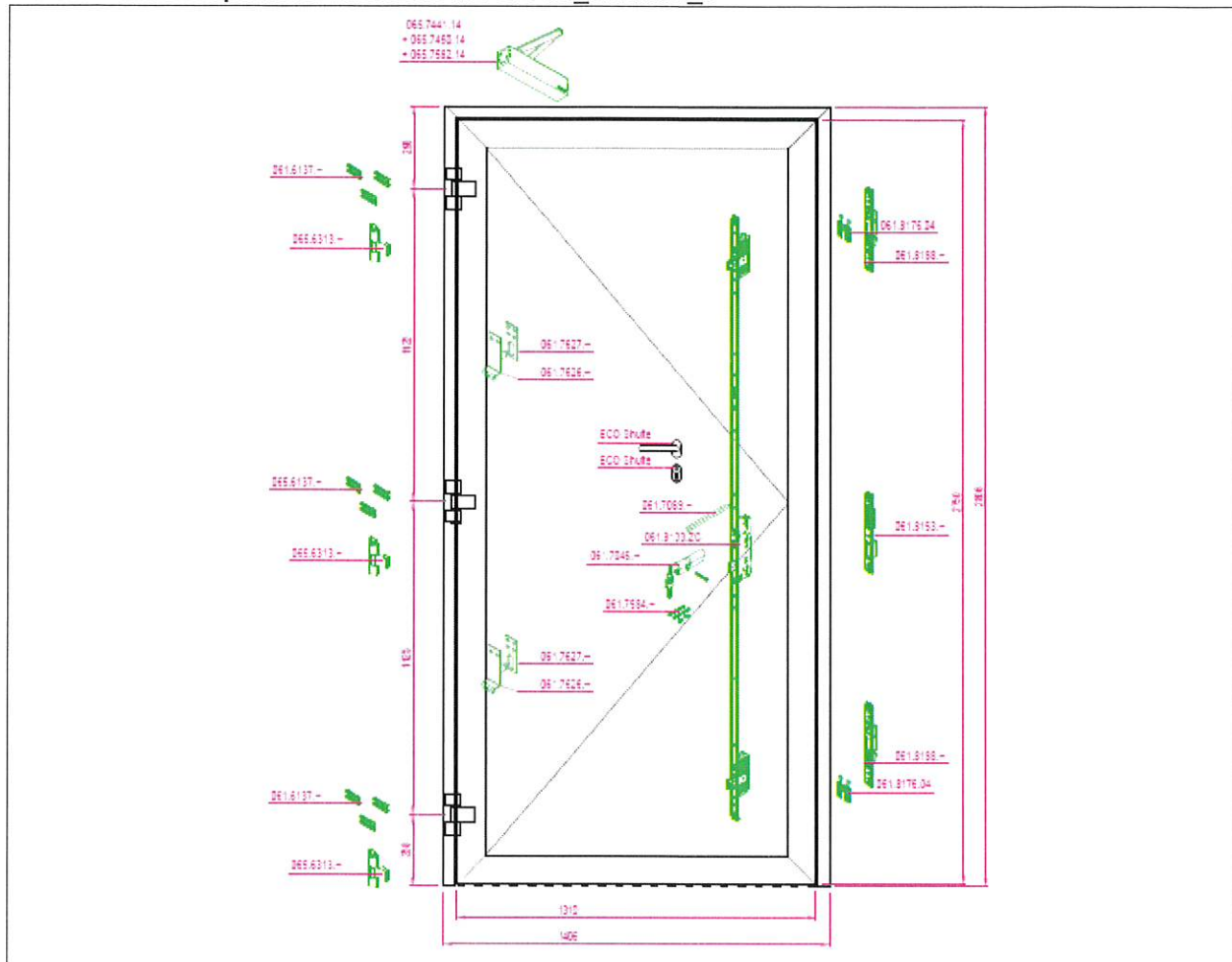
Drawing 17. View of single door section C – C, G - G cut



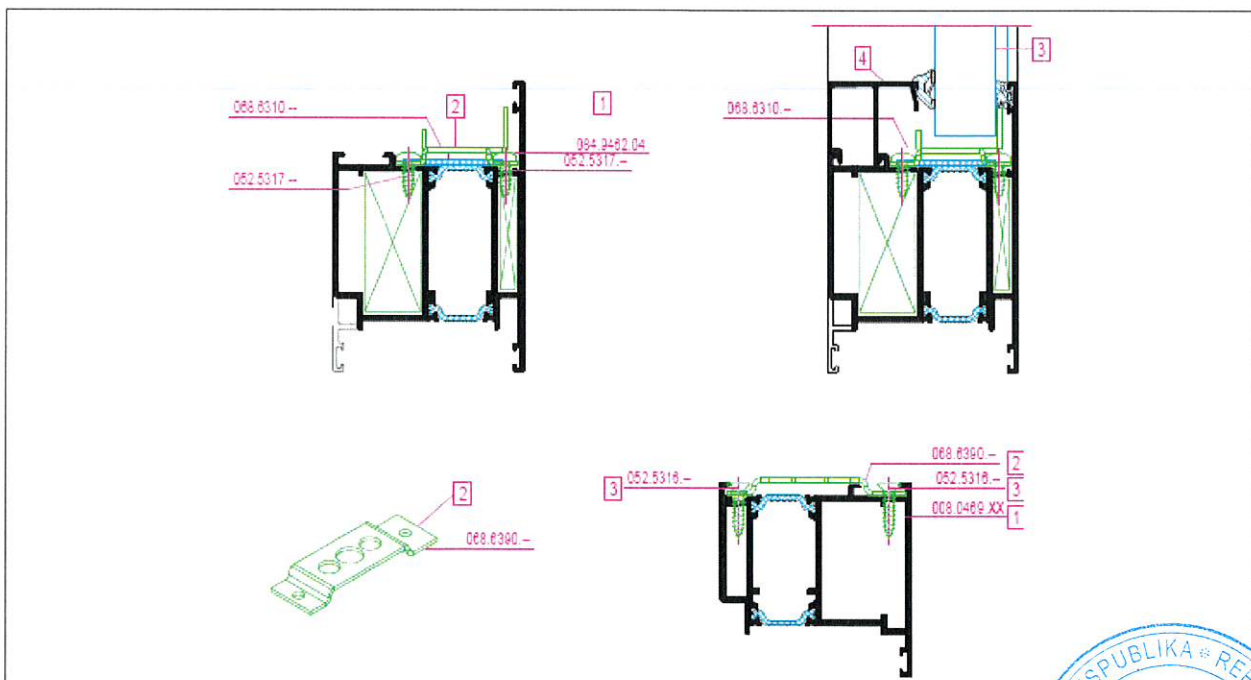
Drawing 18. View of single door section D – D, H - H cut

This report may not be reproduced other than in full, except with the prior written approval of the issuing body.

F SP 08-18-014

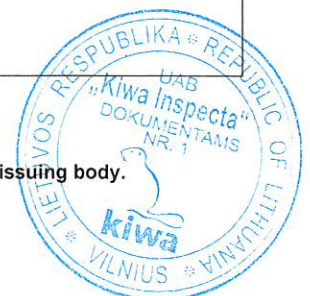


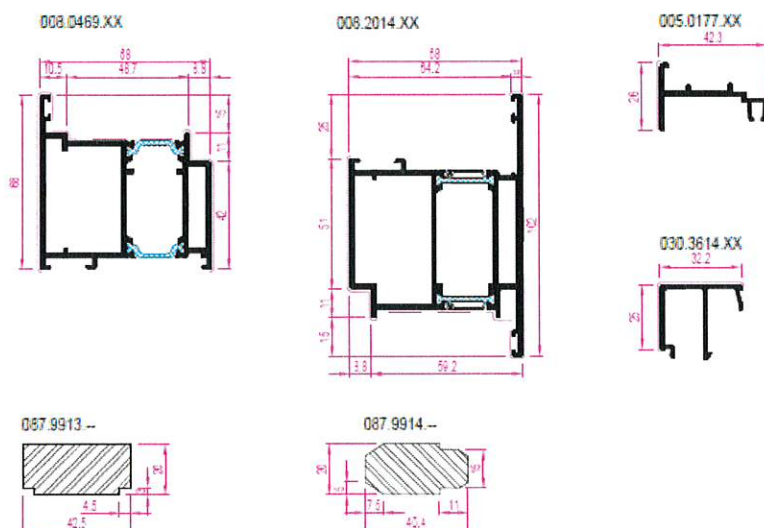
Drawing 19. Hardware for single door



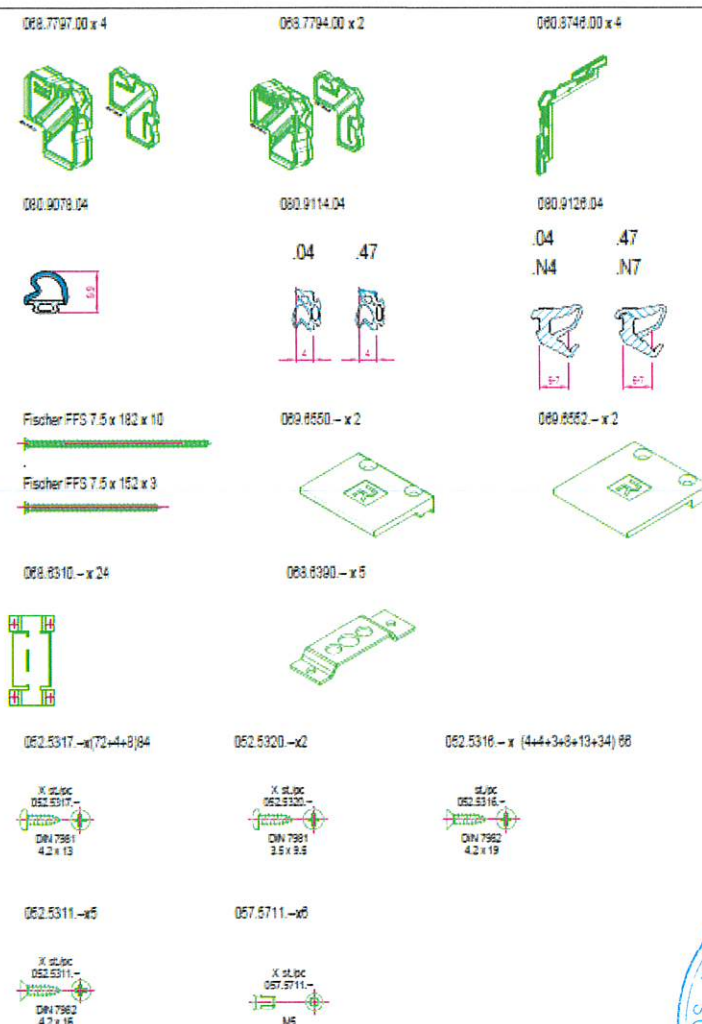
Drawing 20. Fire proof glazing clips for single door

This report may not be reproduced other than in full, except with the prior written approval of the issuing body.
F SP 08-18-014

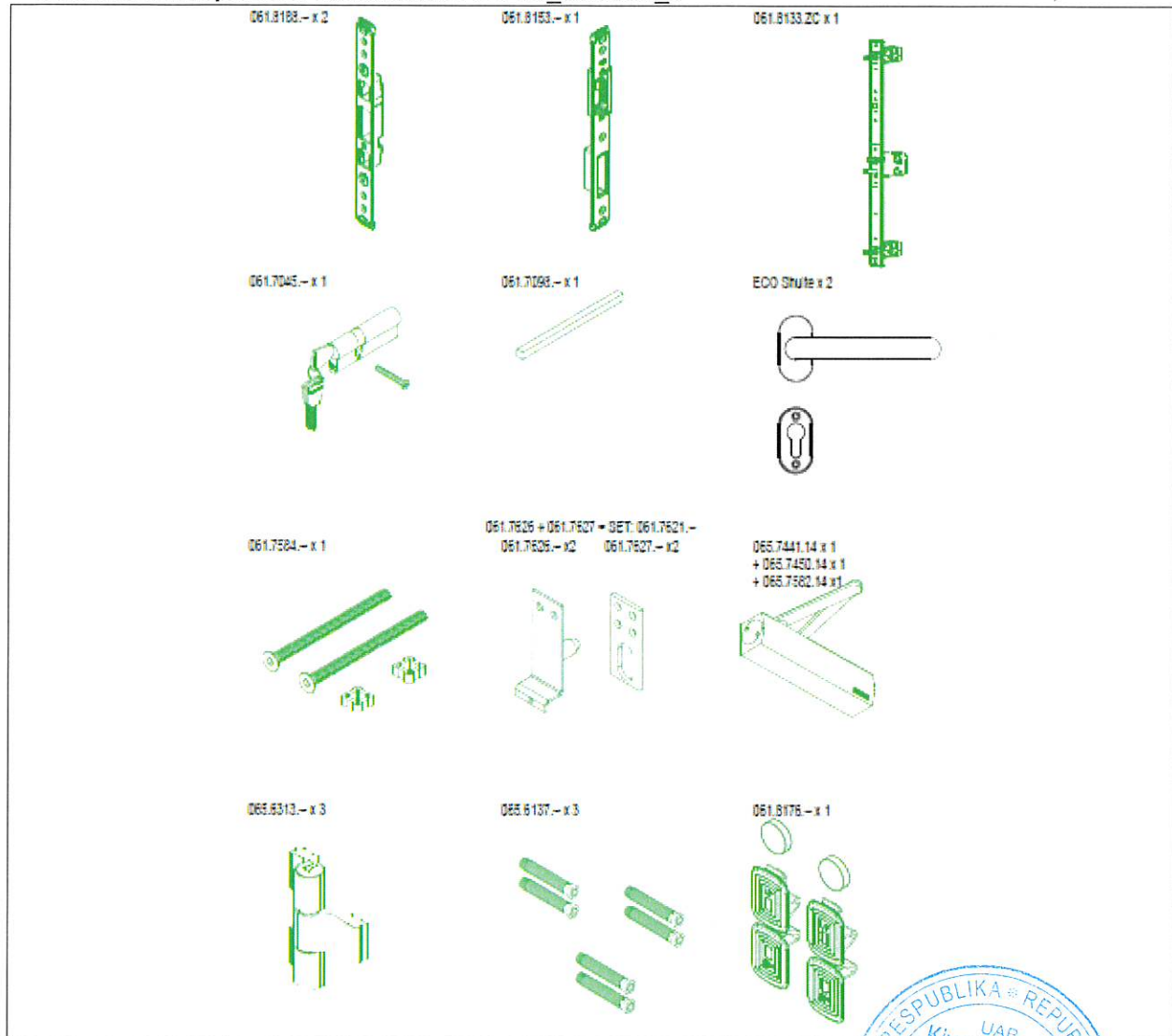




Drawing 21. Profile of single door



Drawing 22. Accessories 1 (single door)



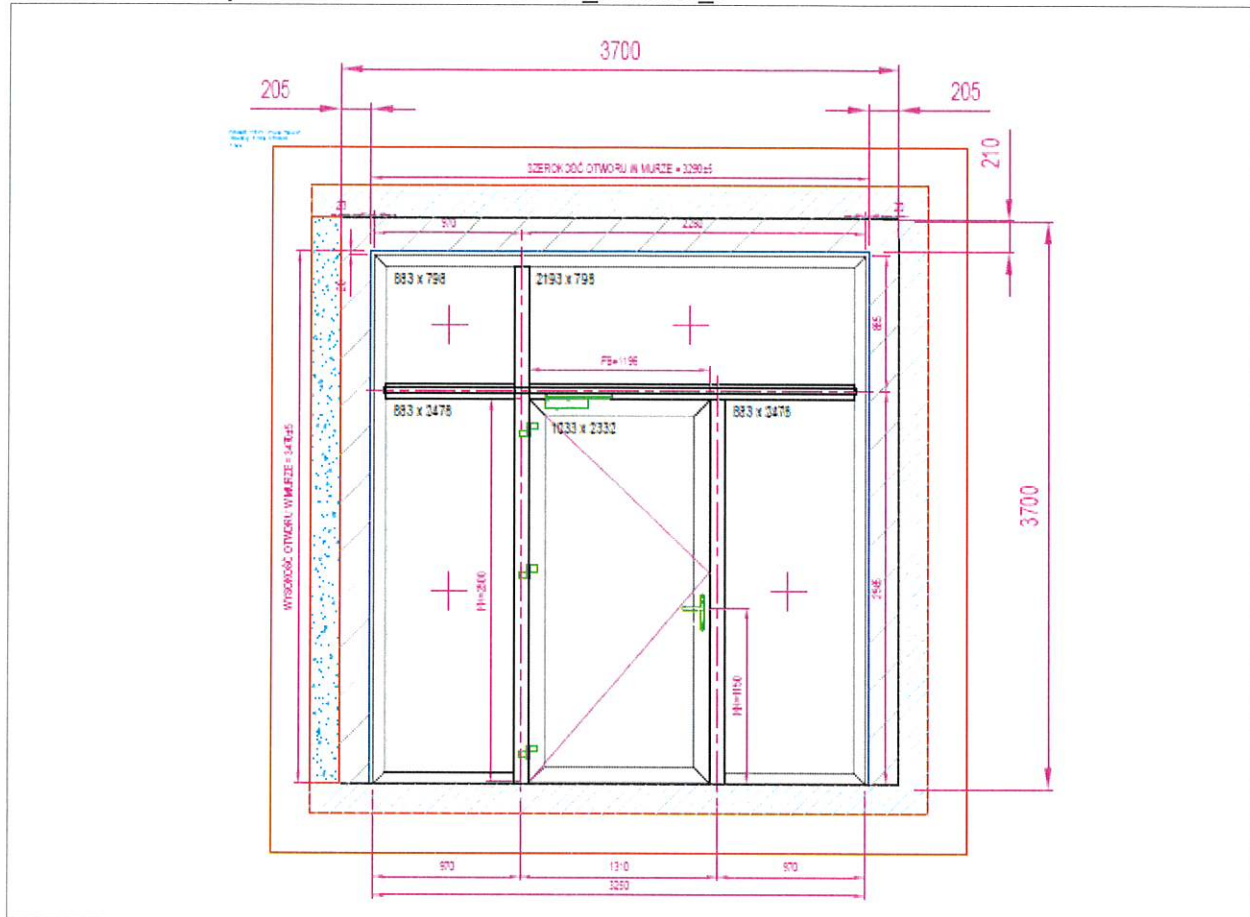
Drawing 23. Accessories 2 (single door)



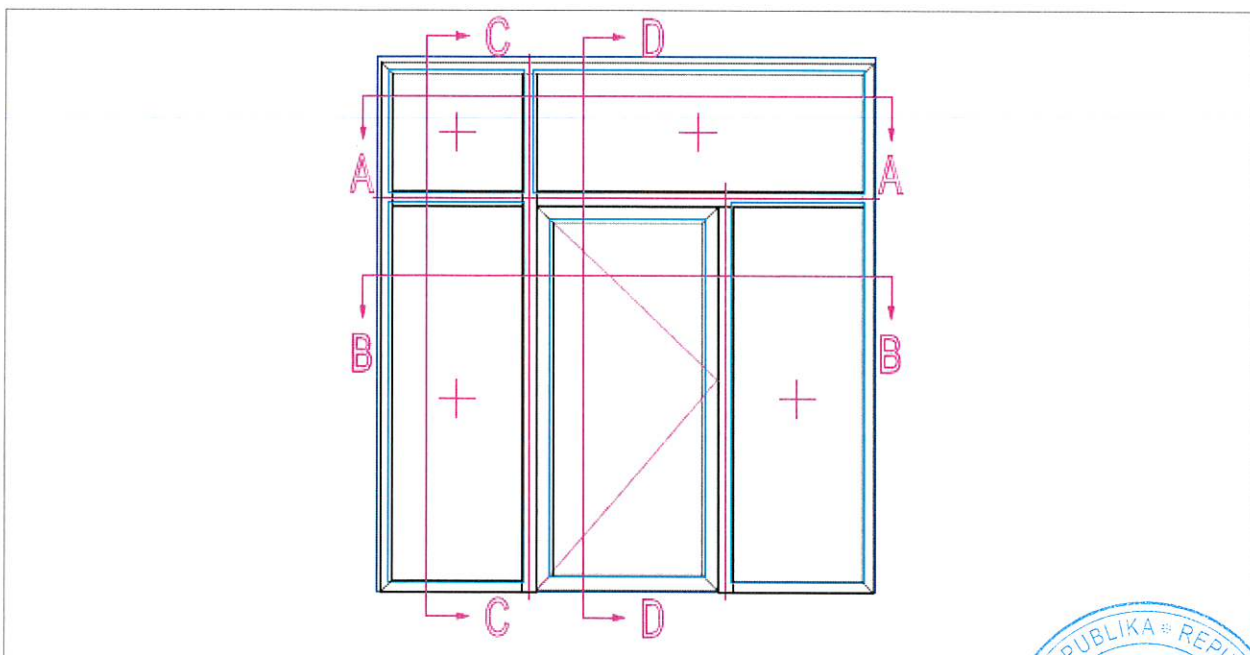
		#			#
088.7797.00		4	088.8390.-		5
088.7794.00		2	052.5318.-		34
080.8748.00		4	088.8310.-		34
090.9078.04		14000	052.5317.-		72
080.9114.04		7500	081.7628.-		2
080.9126.04		7500	052.5317.-		4
089.8550.-		2	052.5320.-		2
052.5318.-		4	081.7627.-		2
089.8552.-		2	052.5317.-		8
052.5318.-		4			
Fischer		10			
FFS 7.5 x 182					
Fischer		3			
FFS 7.5 x 152					
081.8188.-		2			
081.8178.-		1			
052.5318.-		8			
081.8153.-		1			
052.5318.-		3			
ECO Shulte		2			
081.7045.-		1			
081.7098.-		1			
081.7594.-		1			
085.7441.14		1			
057.5711.-		5			
085.7450.14		1			
085.7582.14		1			
081.8133.ZC		1			
052.5318.-		13			
085.8313.-		3			
085.8137.-		3			
084.8093.-		1.5			
084.9101.XX		13			
084.0482.04		8000			
084.0484.04		14000			
084.0480.04		5240			
084.8952.-		13R.G. ...			
084.8953.-		13R.G. ...			
084.9081.-		0.5			
081.9141.04		1268			
052.5311.-		5			

Drawing 24. List of materials for single door

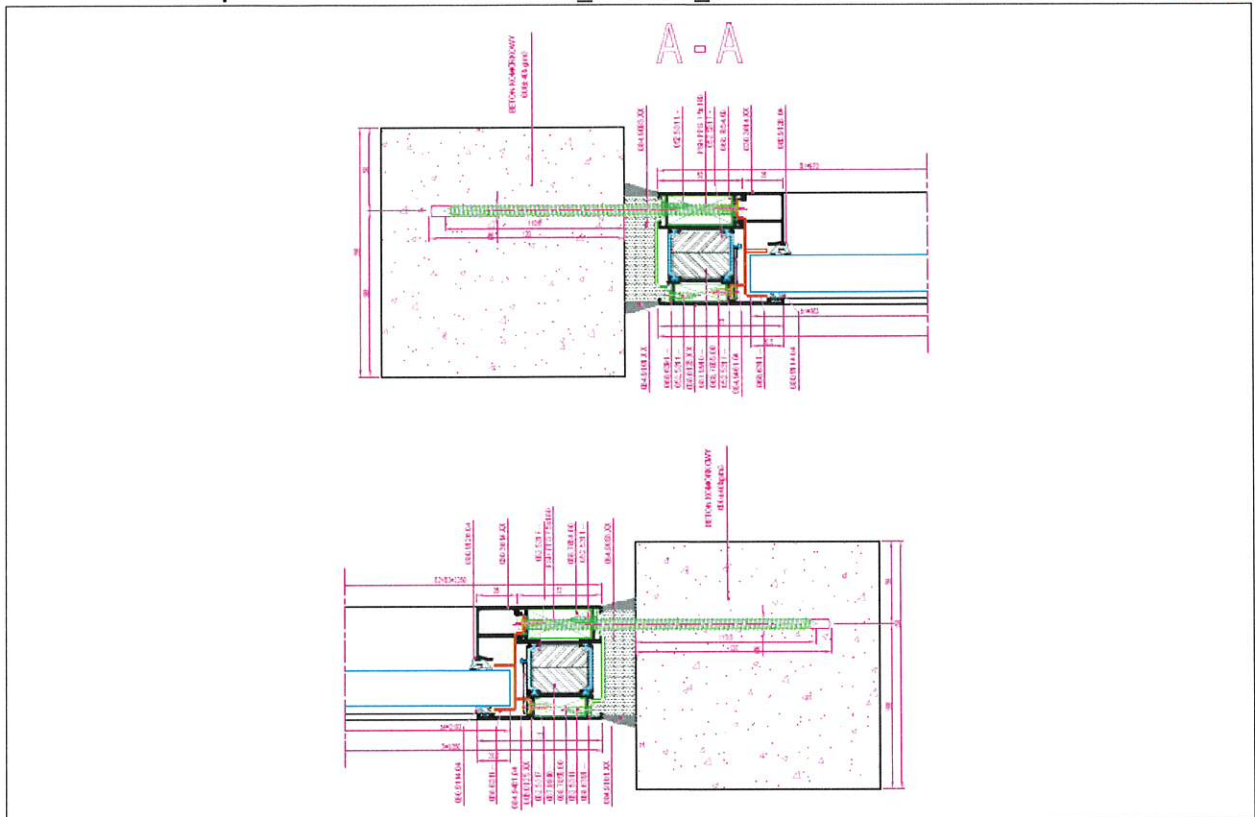




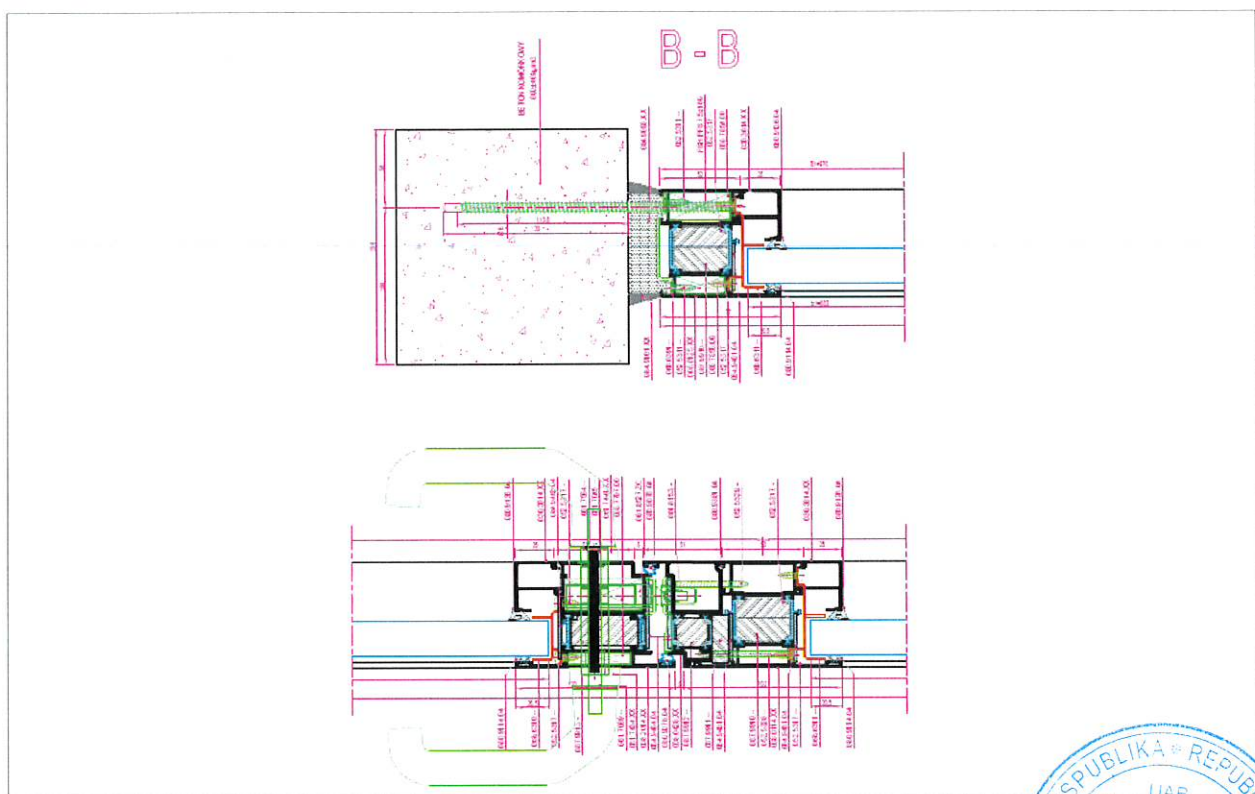
Drawing 25. View of construction with partitions



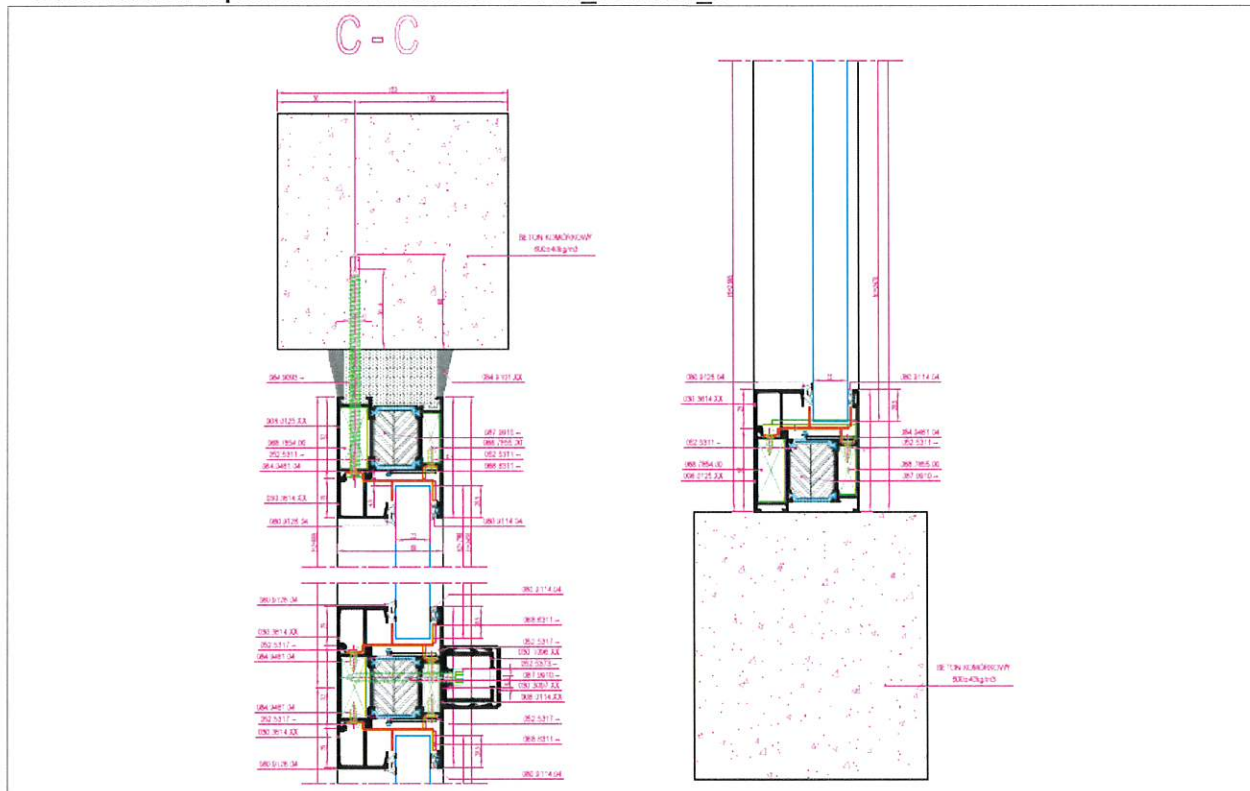
Drawing 26. View of partition cuts



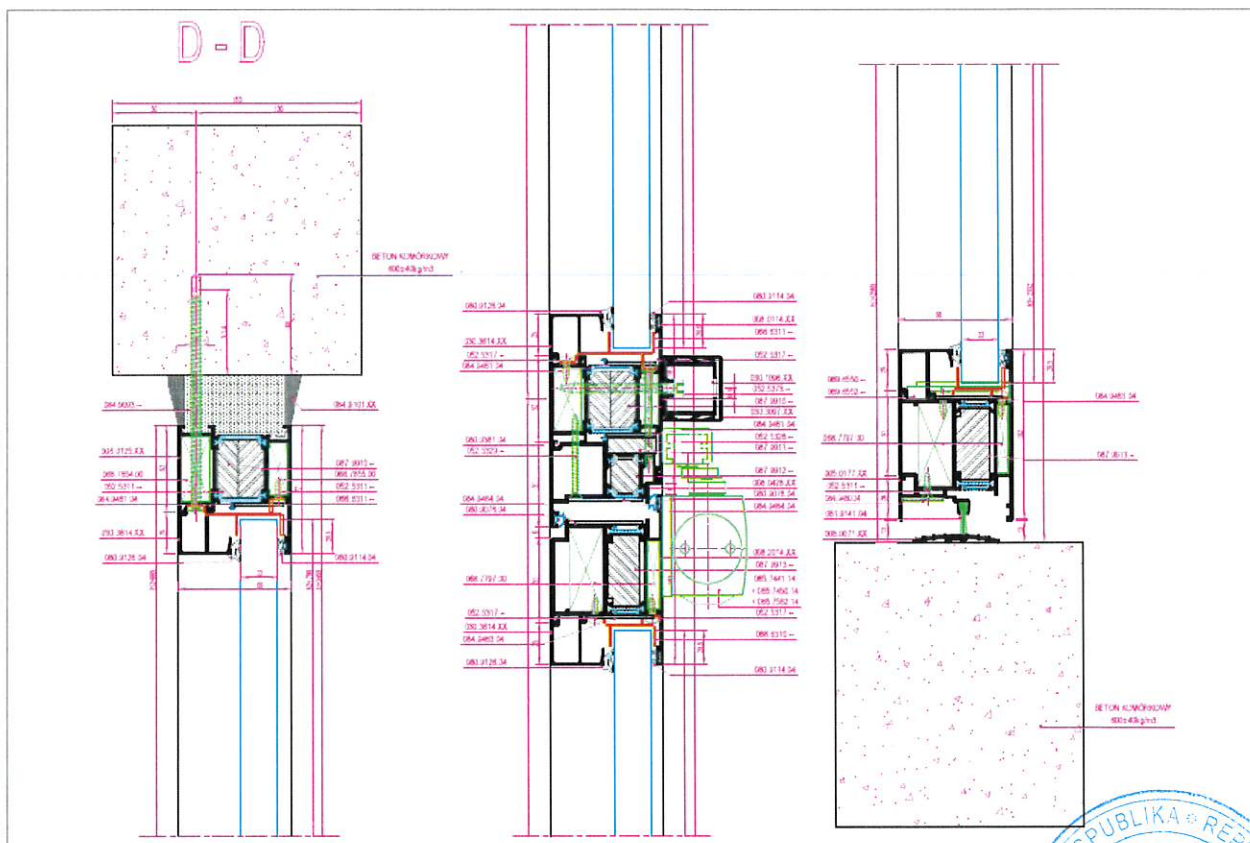
Drawing 27. View of partitions section A – A cut



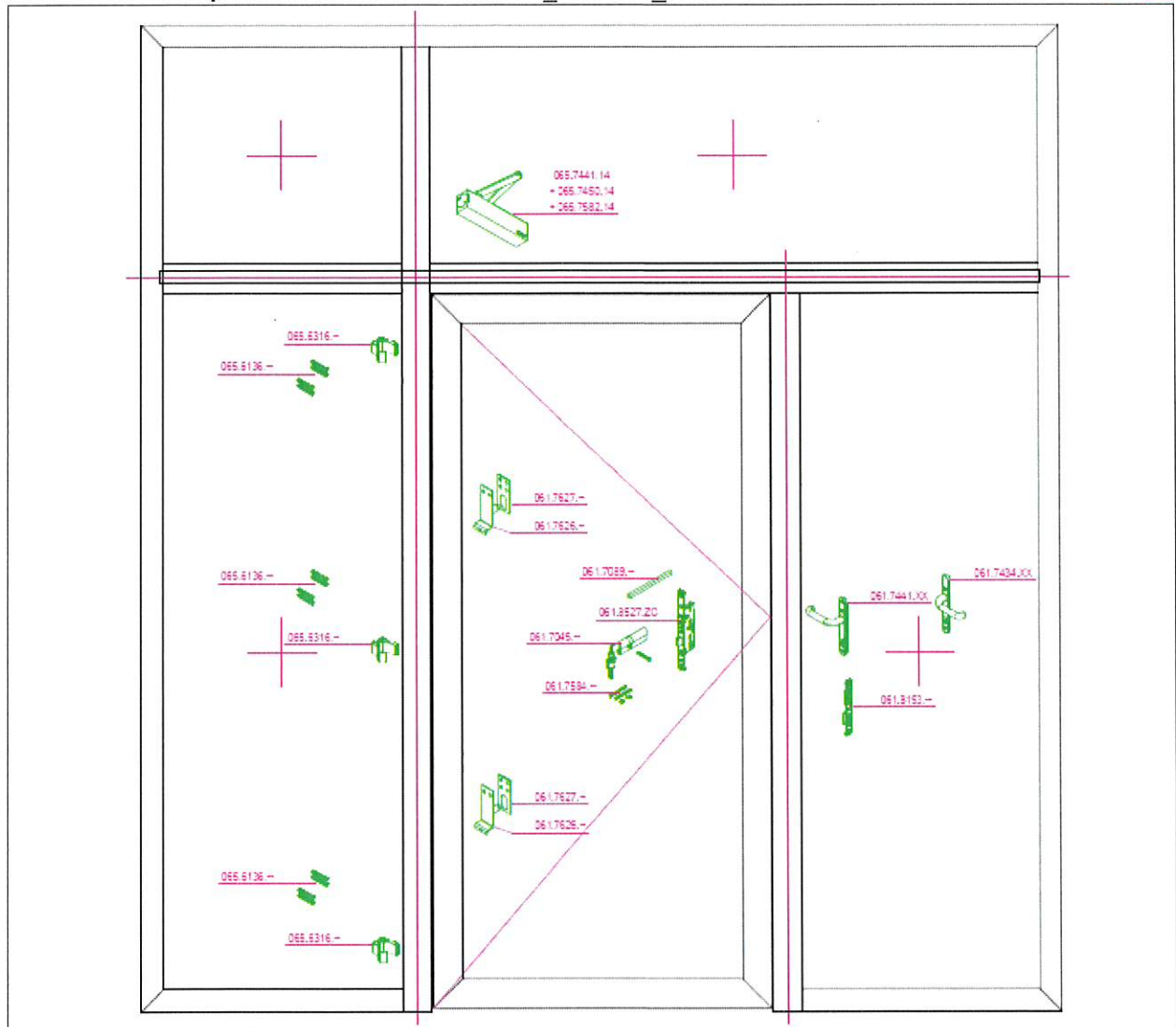
Drawing 28. View of construction with partitions section B – B cut



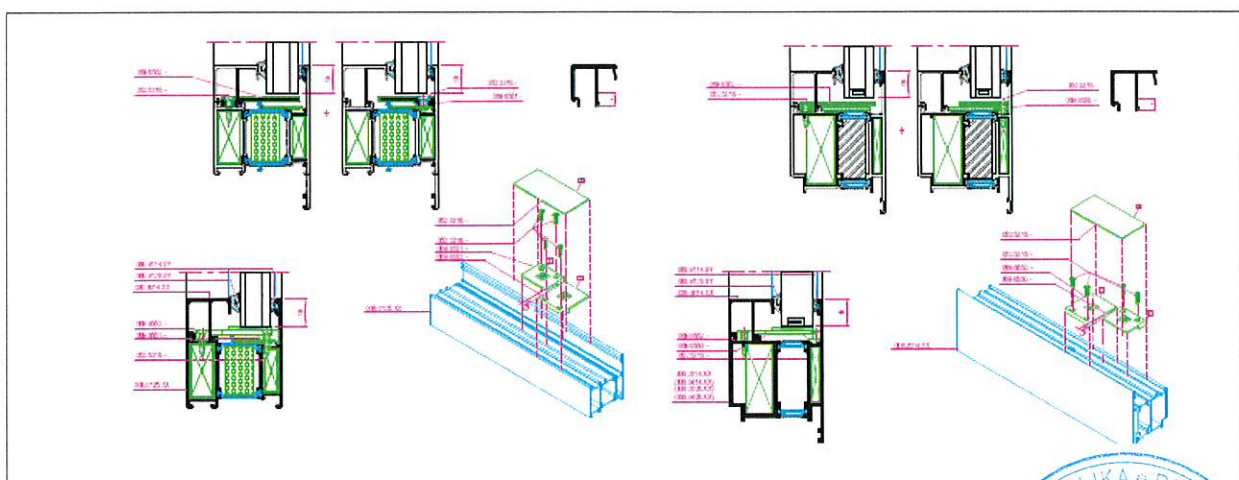
Drawing 29. View of construction with partitions section C – C cut



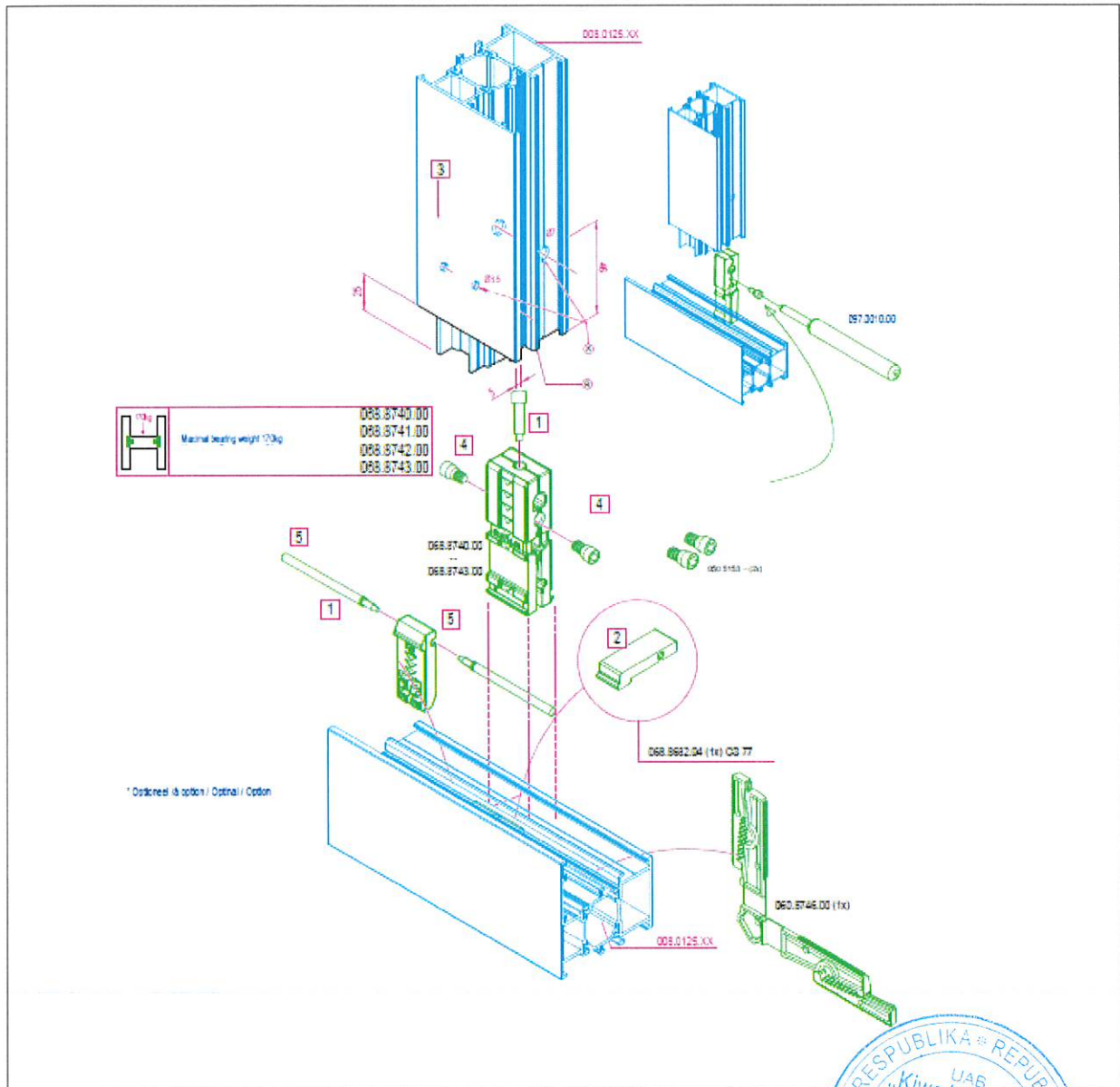
Drawing 30. View of construction with partitions section D – D cut



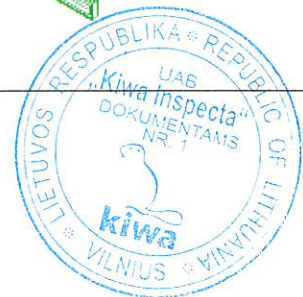
Drawing 31. Hardware for partition

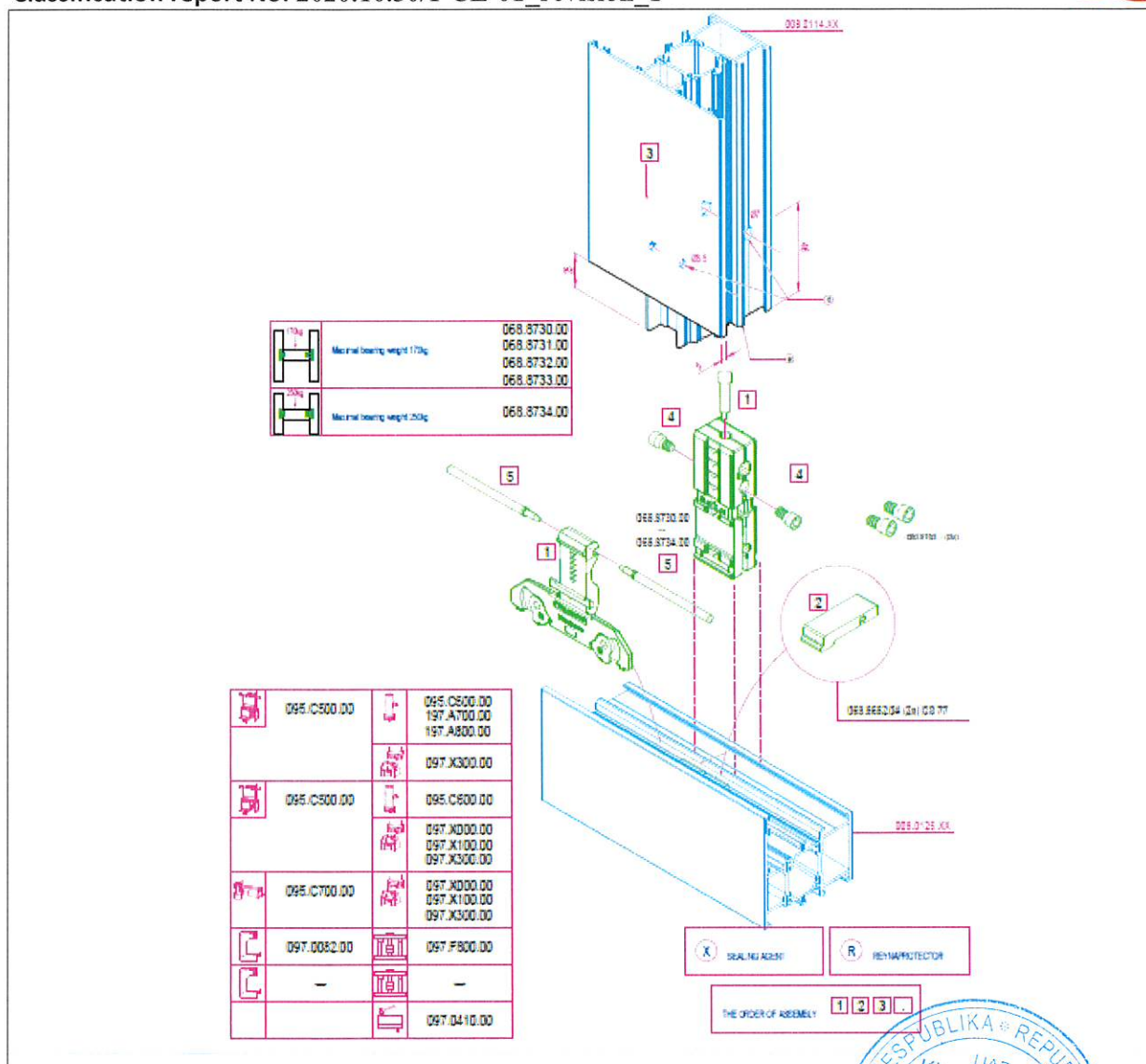


Drawing 32. Fire proof glazing clips for partition



Drawing 33. Profile of partition 1





Drawing 34. Profile of partition 2

