

A

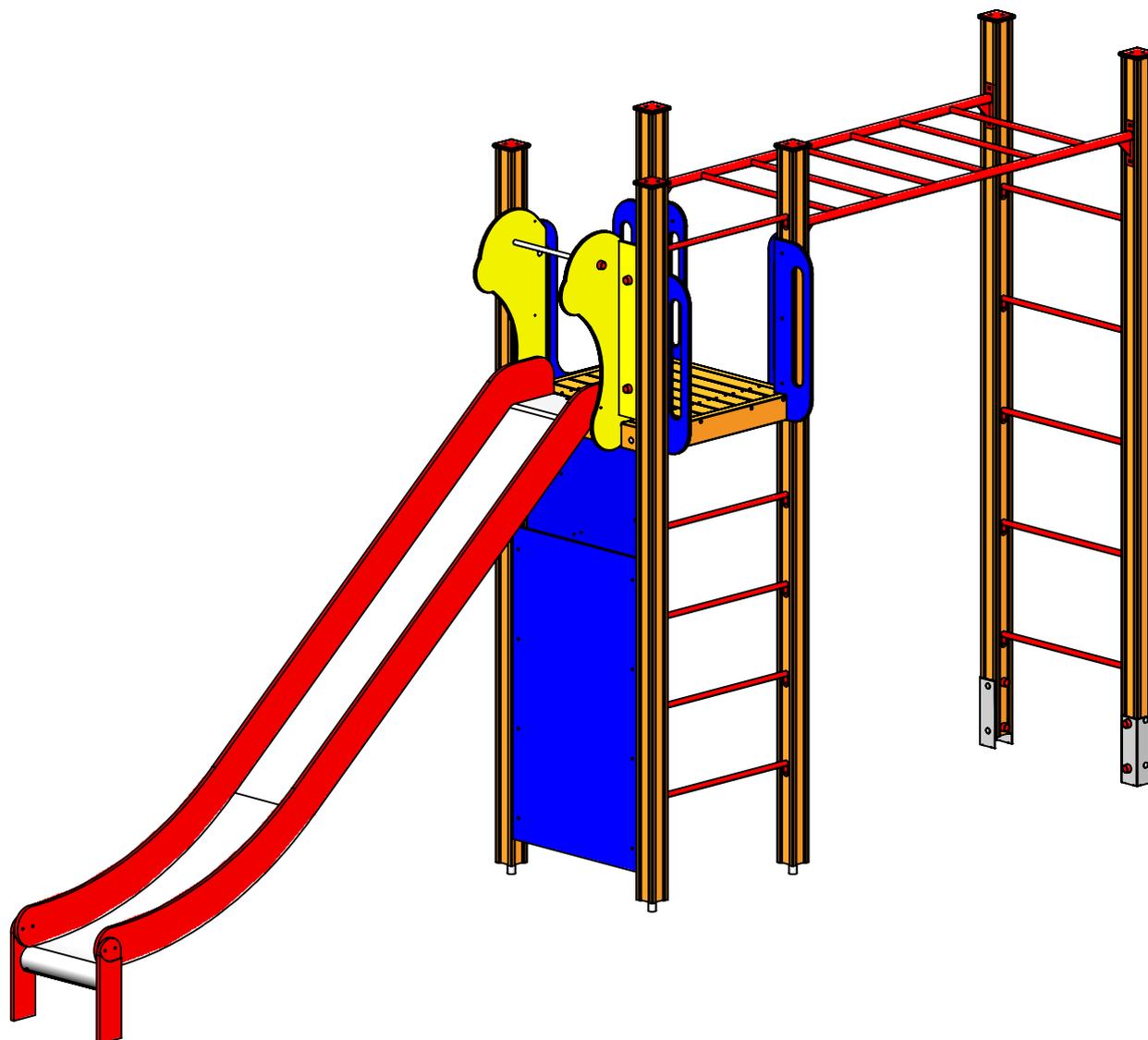
B

C

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UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:30

SHEET 1 OF 21

Safety area

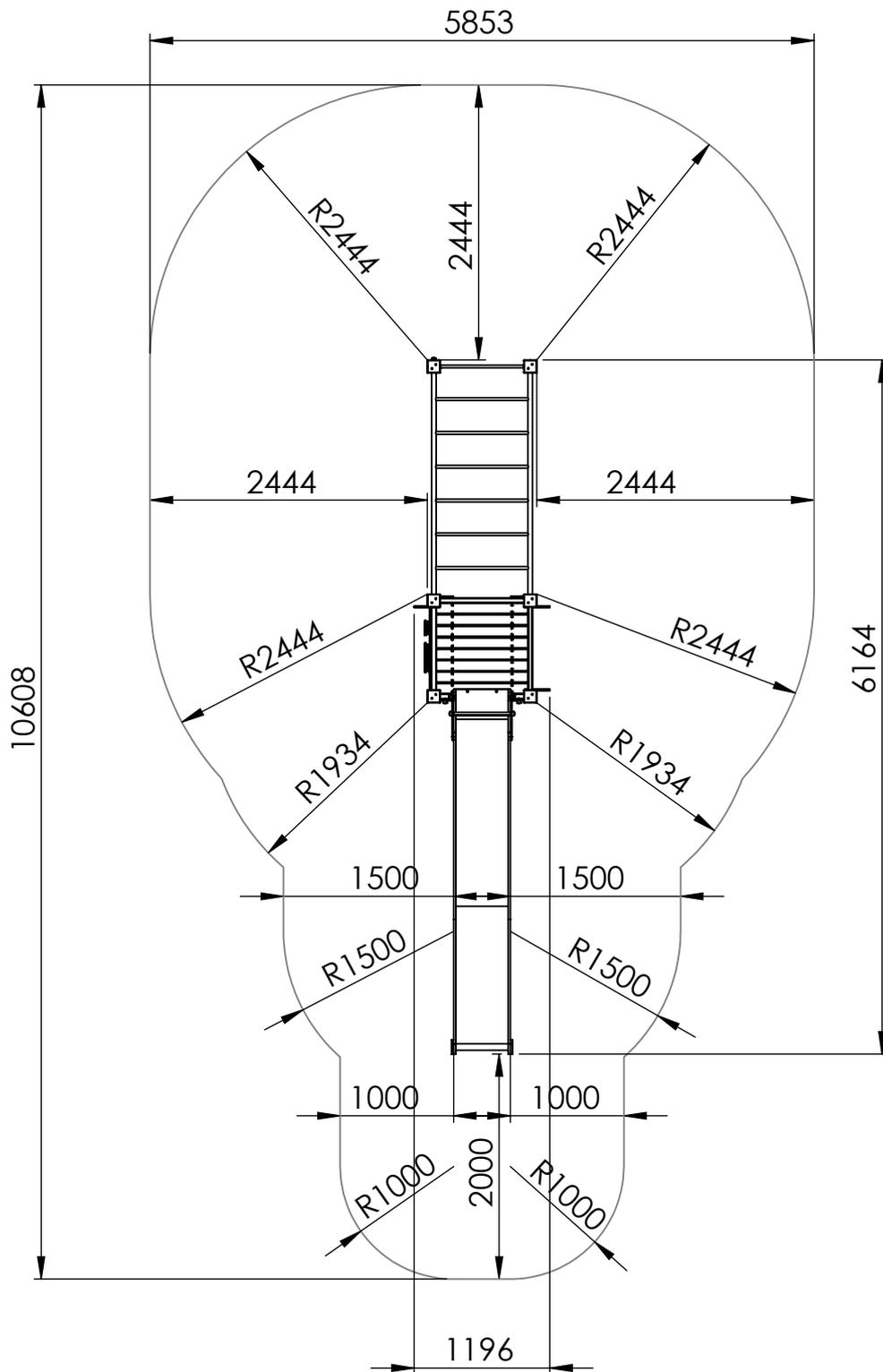
A

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E



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

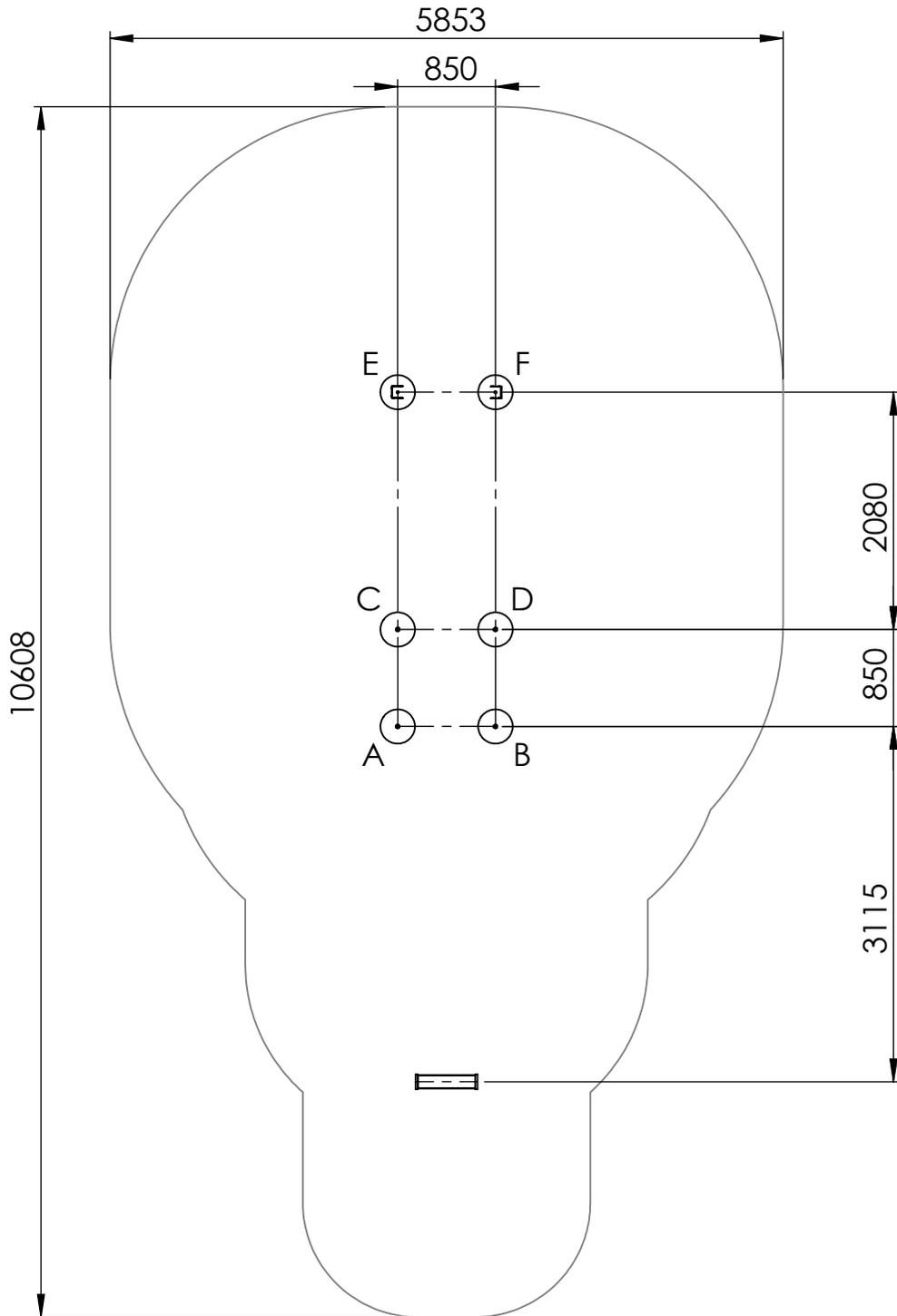
A4

WEIGHT:

SCALE: 1:60

SHEET 2 OF 21

# Foundation



Depth of foundation: 600mm

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos



**Tiptaptap** OÜ

Tiptaptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

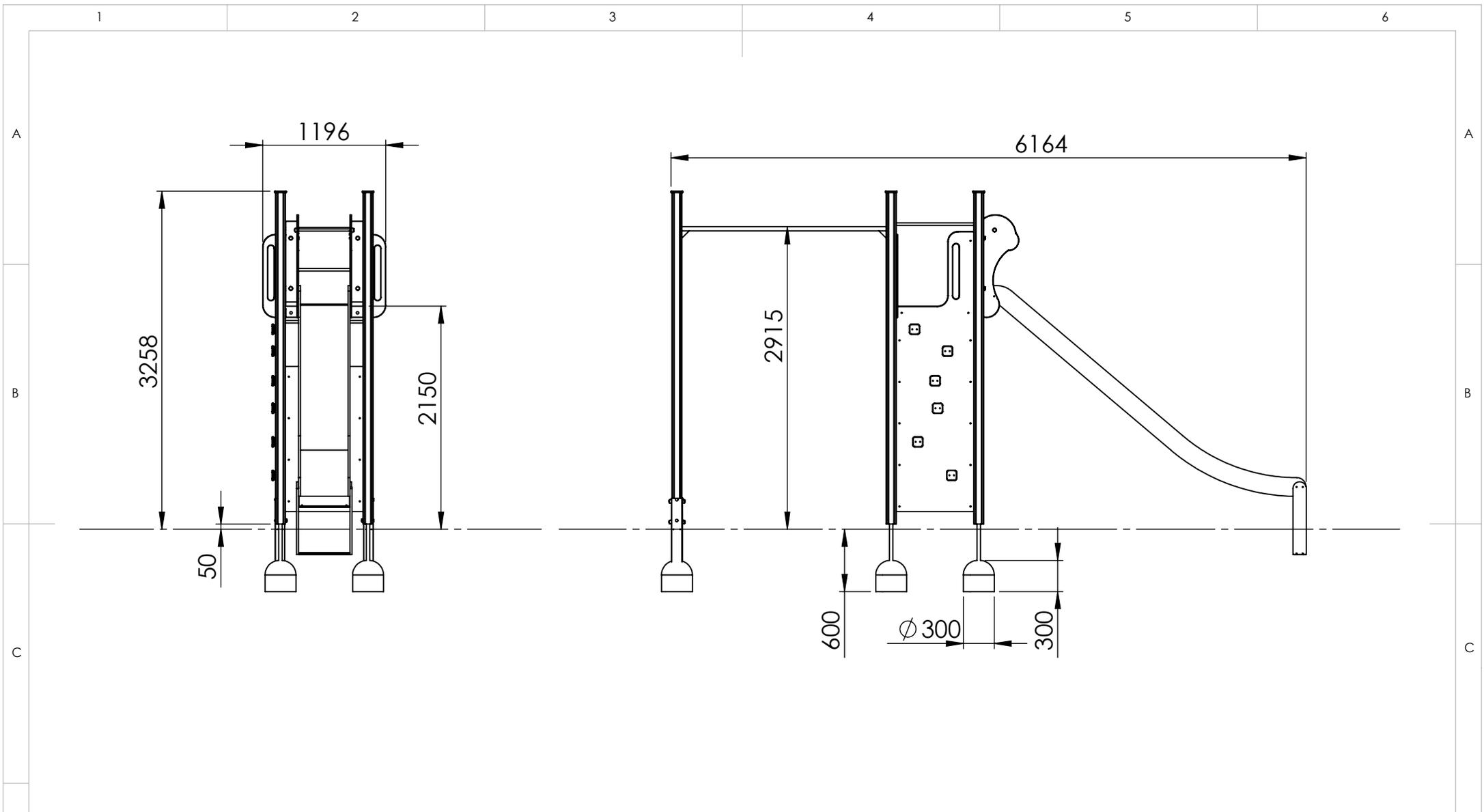
wood, metal, plastic

A4

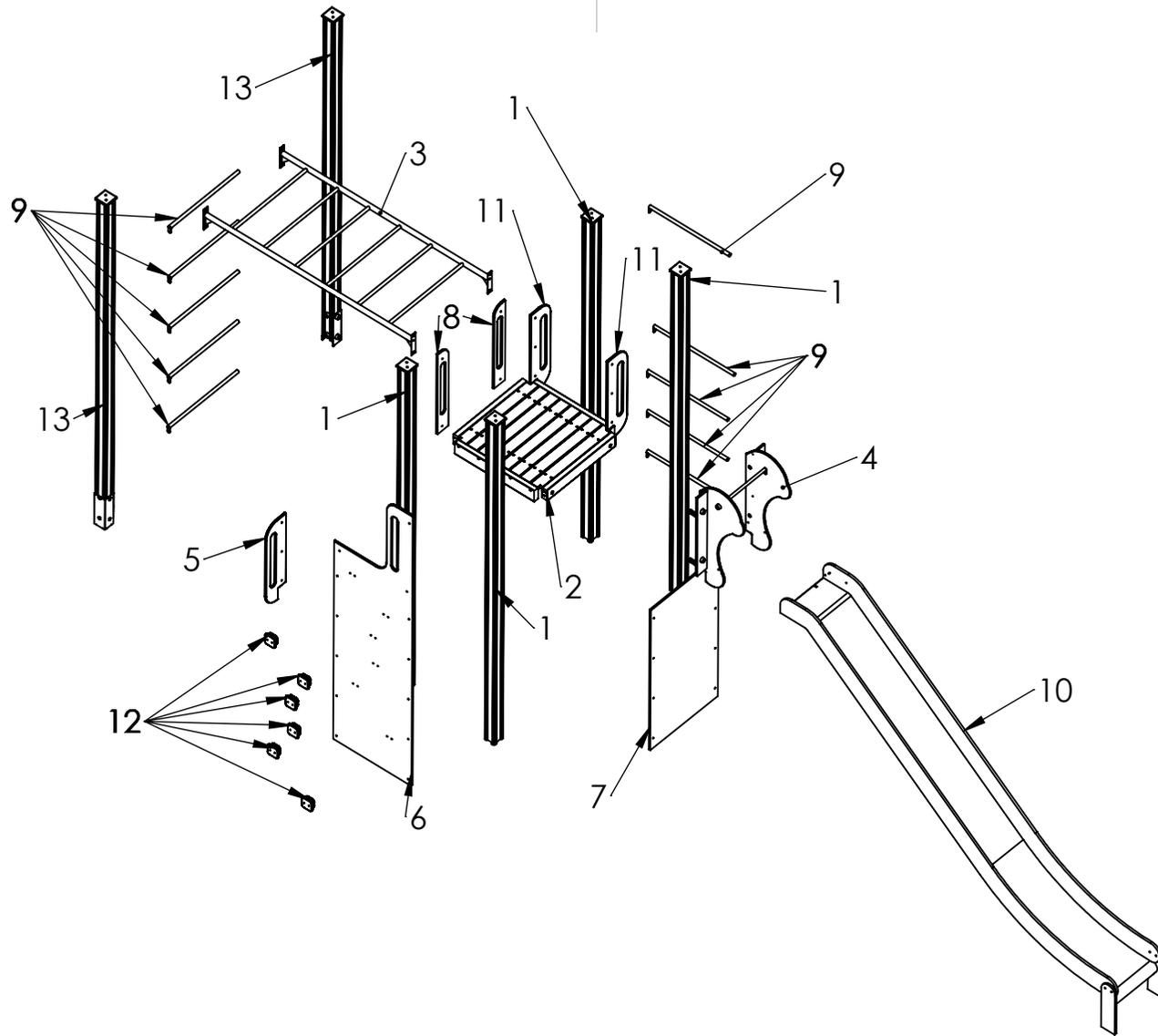
WEIGHT:

SCALE: 1:60

SHEET 3 OF 21



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>LM231-1</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Play centre Carlos</b>	
DRAWN	I.Agar		22.09.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Tiptaptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	SCALE: 1:50
					SHEET 4 OF 21	



UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:  
**LM231-1**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:  
**Play centre Carlos**



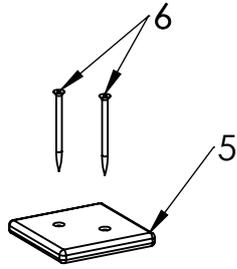
**Tiptaptap** OÜ  
 Veetorni 9,  
 Jüri alevik, Rae vald,  
 75301 Harjumaa

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:50
		SHEET 5 OF 21

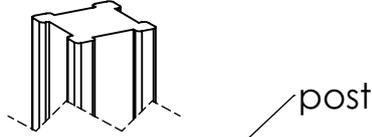
	1	2	3	4		
	ITEM NO.	PART NUMBER	DESCRIPTION			
A	1	post 98x98x3200	laminated wood	4		
	2	platform	laminated wood, metal	1		
B	3	LM231-1 horizontal ladder	painted steel	1		
	4	slide guard block	HDPE plastic	1		
	5	LM231-1 Handle with bigger cutout	HDPE plastic	1		
C	6	LM231-1 climbing panel	HDPE plastic	1		
	7	LM231-1 panel 752x1400	HDPE plastic	1		
D	8	LM231-1 handel	HDPE plastic	2		
	9	Tube D25x770	Painted steel	10		
	10	slide h_2150	stainless steel, PE plastic	1		
	11	LM231-1 Handle with cutout	HDPE plastic	2		
E	12	Playgroun climbing Grip	HDPE plastic	6		
	13	post 98x98x3200 with 900mm groundfixing	laminated wood	2		
F	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM			PART NUMBER / DWG NO.: <b>LM231-1</b>		
		NAME	SIGNATURE	DATE	REVISION	
	DRAWN	I.Agar		22.09.2021		
	APPV'D					
				DESCRIPTION: <b>Play centre Carlos</b>		
				MATERIAL: wood, metal, plastic	A4	
			WEIGHT:	SCALE: 1:50	SHEET 6 OF 21	
 <b>Tiptiptap</b> OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa						

**Wood post version!!!!**

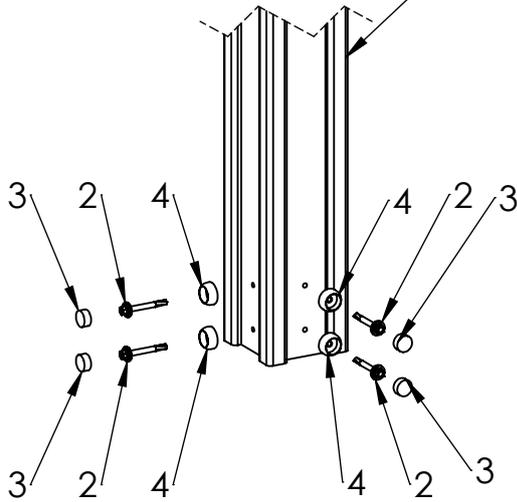
A



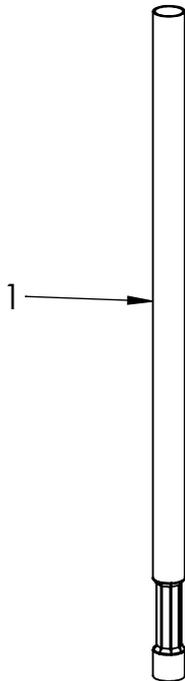
B



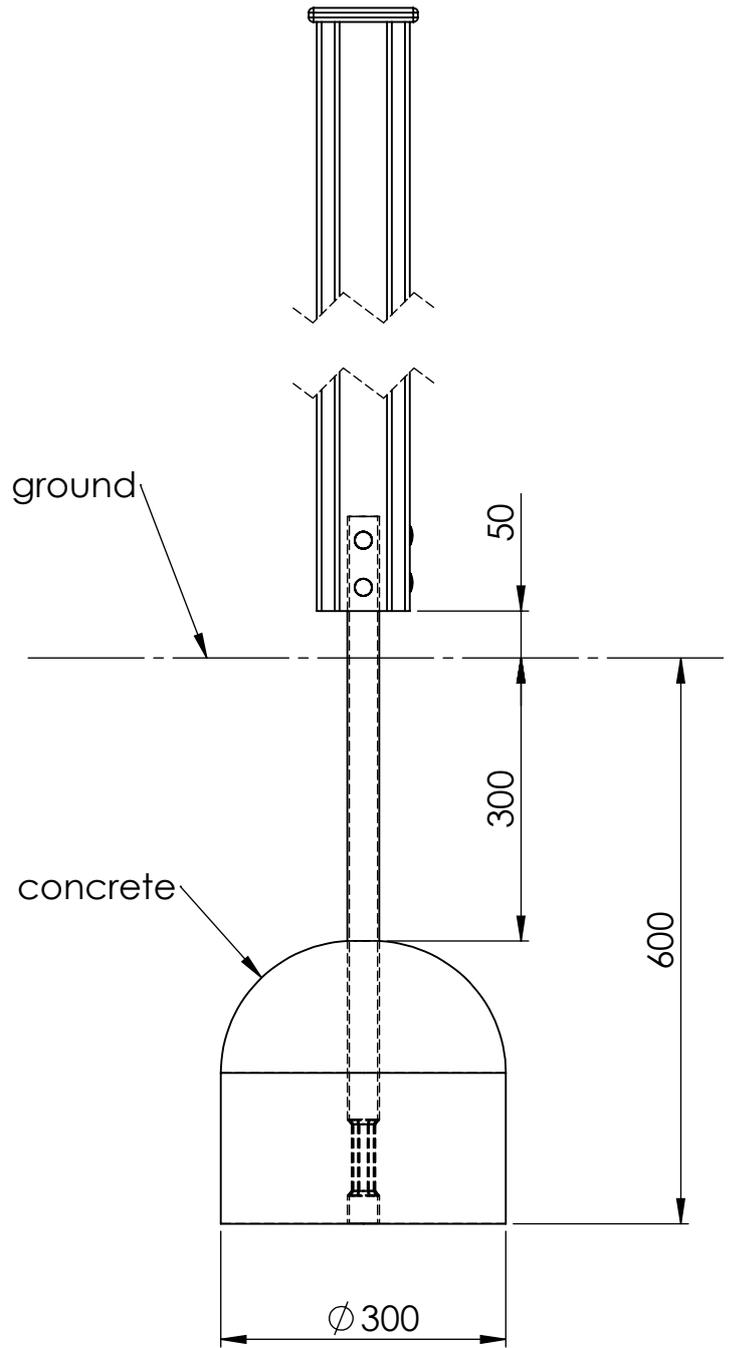
C



D



E



ITEM NO.	PART NUMBER
1	metal ground fixing L_750
2	screw DIN7504K 5,5x50
3	nut cover cap M6
4	nut cover M6
5	plastic cap 115x115
6	woodscrew 6 x 90

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos  
connecting metal ground fixing to post

F



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:8

SHEET 7 OF 21

# Aluminium post version!!!

A

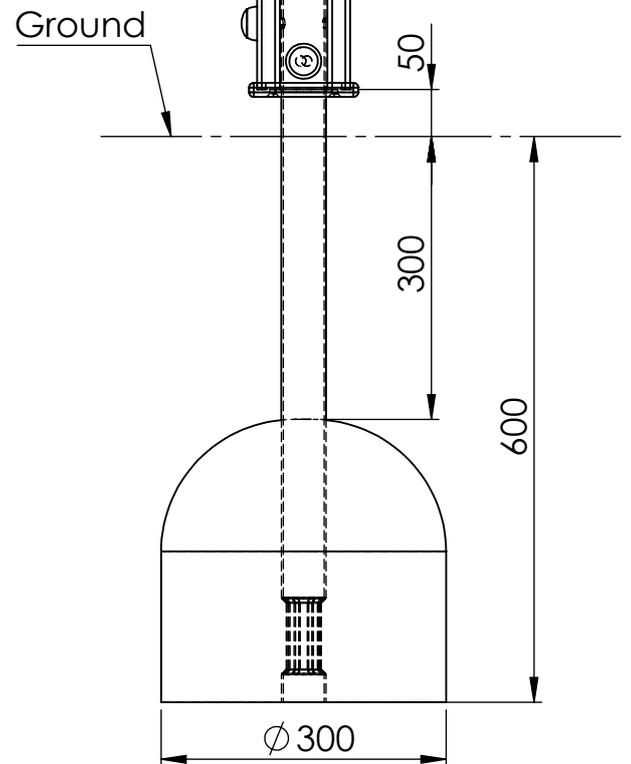
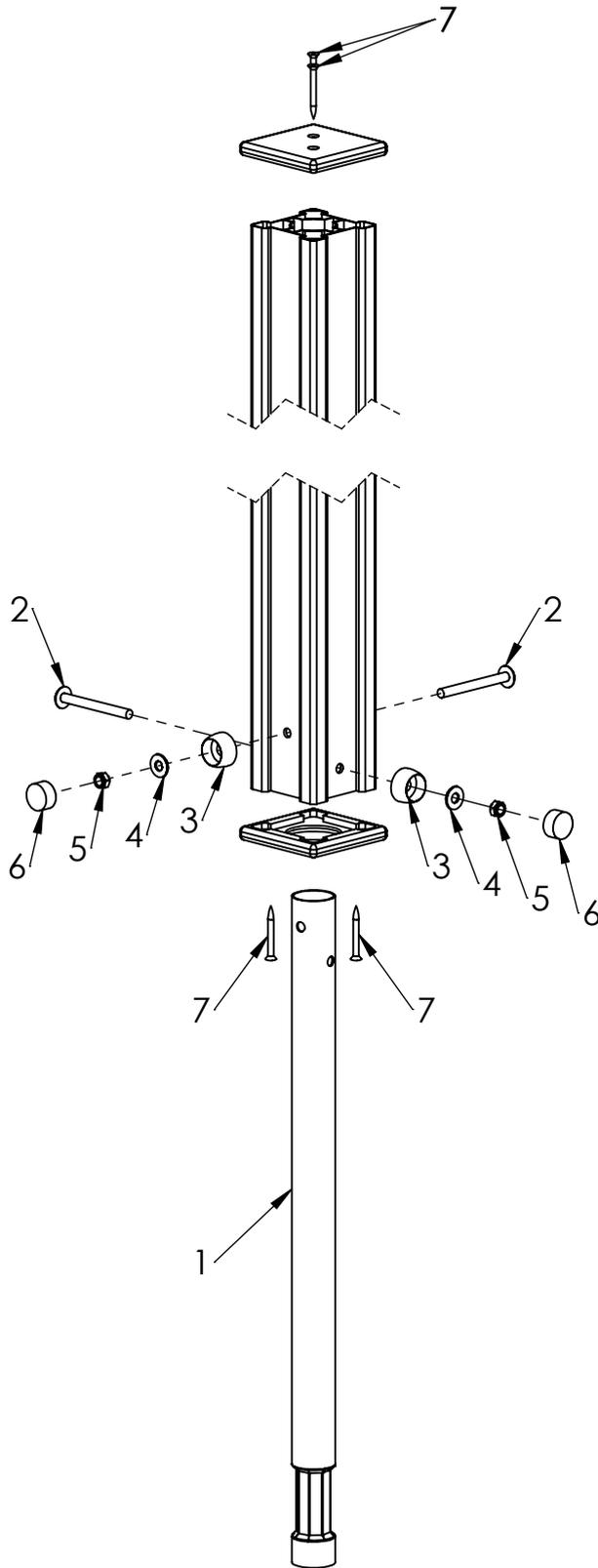
B

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F



ITEM NO.	PART NUMBER
1	metal ground fixing L_750
2	bolt DIN603 M10x100
3	nut cover M12
4	Washer M10 DIN9054
5	nut DIN985 M10
6	nut cover cap M12
7	woodscrew 6x60

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos  
connecting metal ground fixing to aluminium post



**Tiptap** OÜ

Tiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

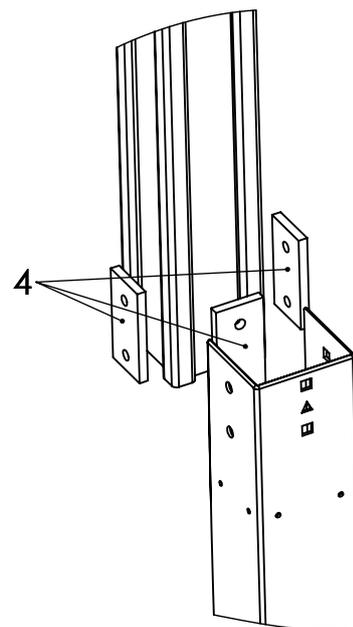
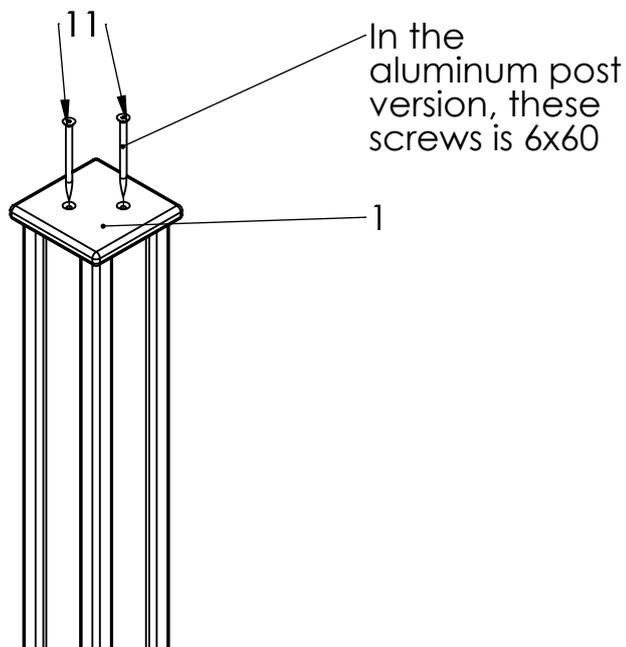
A4

WEIGHT:

SCALE: 1:8

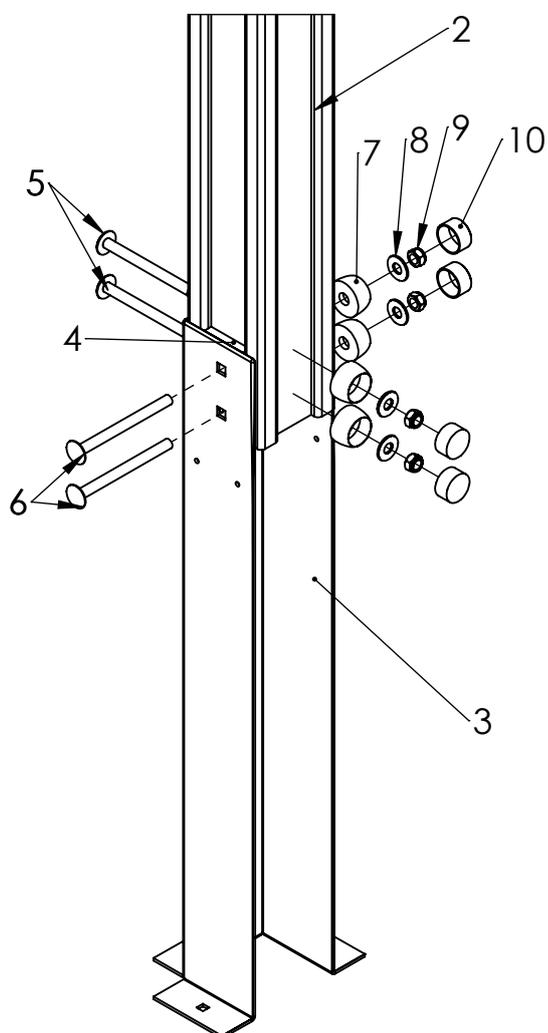
SHEET 8 OF 21

A



B

C



D

E

ITEM NO.	PART NUMBER
1	plastic cap 115x115
2	post
3	ground fixture
4	Post additional plastic
5	bolt DIN603 M10x110
6	bolt DIN603 M10x120
7	nut cover M12
8	Washer M10 DIN9054
9	nut DIN985 M10
10	nut cover cap M12
11	Woodscrew 6 x 90

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos

F



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:7

SHEET 9 OF 21

A

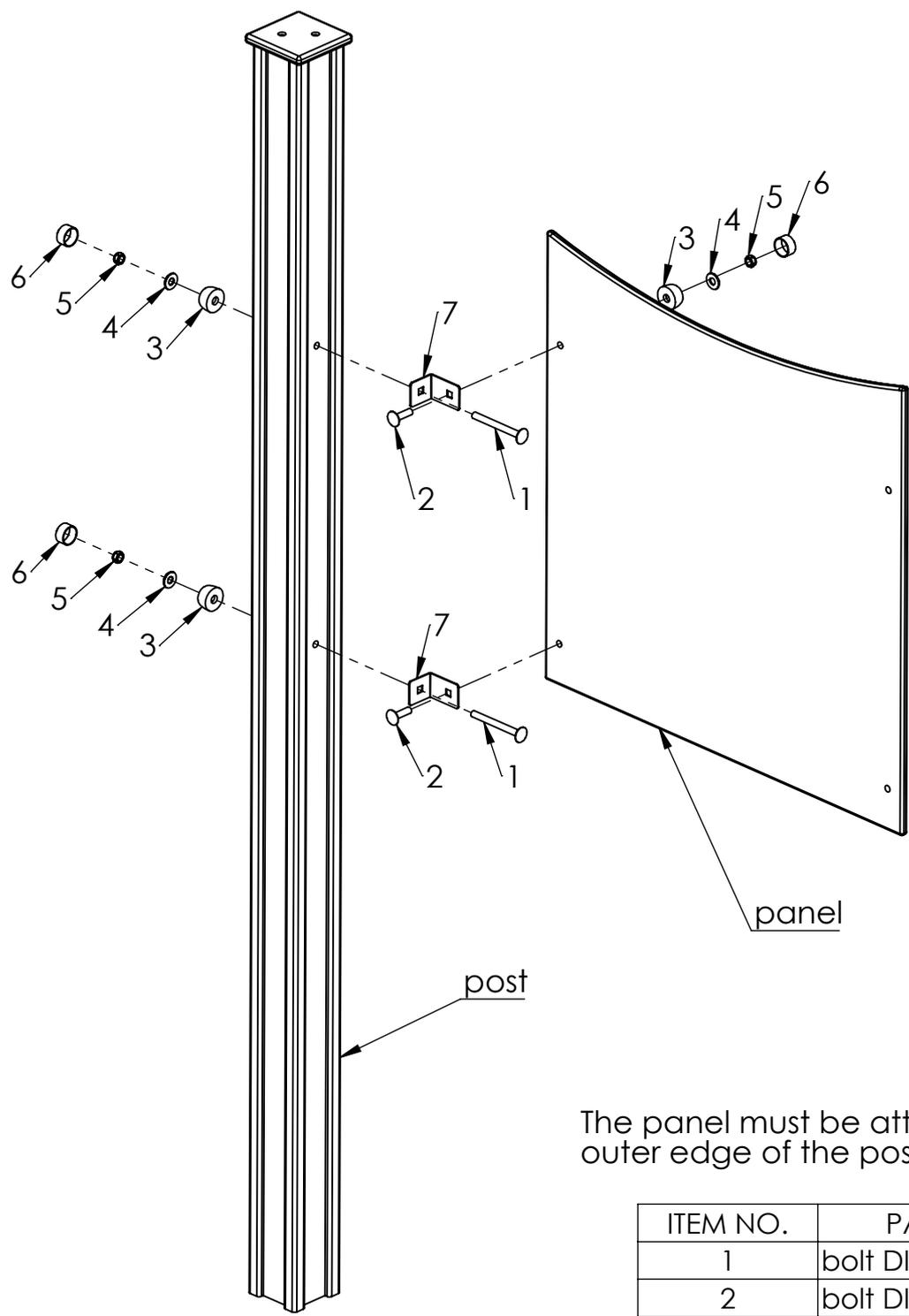
B

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The panel must be attached to the outer edge of the post !!!

ITEM NO.	PART NUMBER
1	bolt DIN603 M10x100
2	bolt DIN603 M10x35
3	nut cover M12
4	Washer M10 DIN9054
5	nut DIN985 M10
6	nut cover cap M12
7	Corner 90° (45x60)

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM				
	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

PART NUMBER / DWG NO.: **LM231-1**

DESCRIPTION:  
**Play centre Carlos connecting panel to post**



**Tiptaptap** OÜ

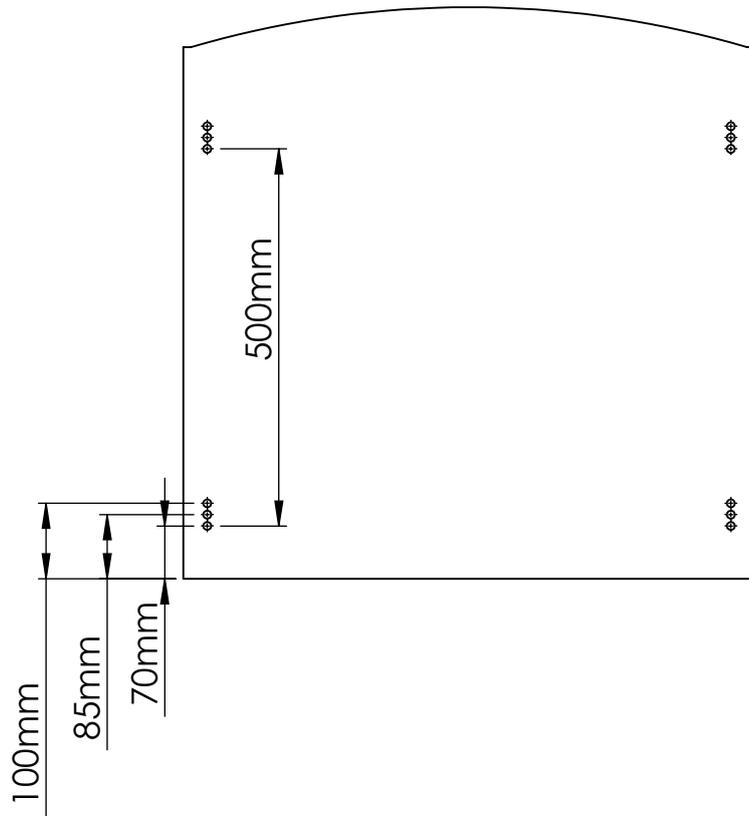
Tiptaptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL: wood, metal, plastic

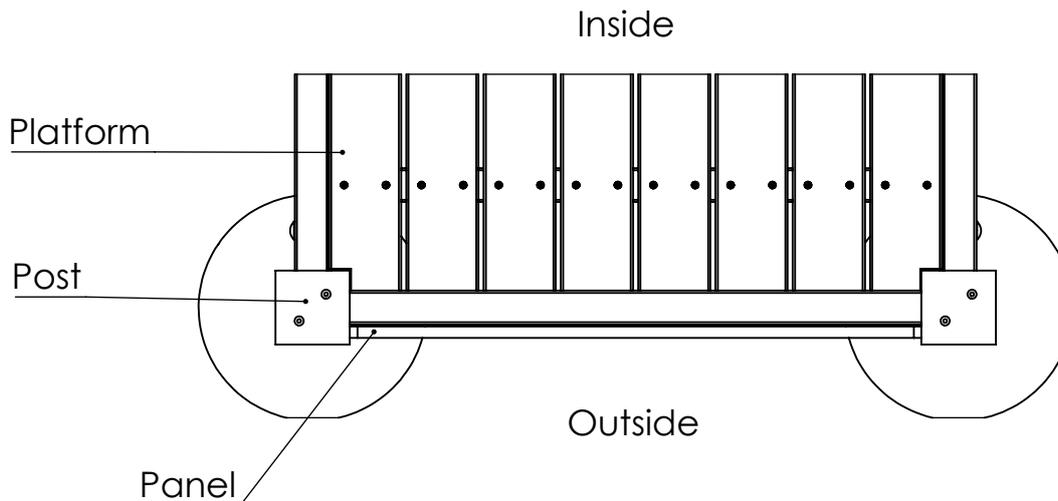
A4

WEIGHT: SCALE: 1:10 SHEET 10 OF 21

Explanation of the 'lower hole' behind the panel name:



The panel must be installed on the post as shown in the picture!



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos  
connecting panel to post



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:10

SHEET 11 OF 21

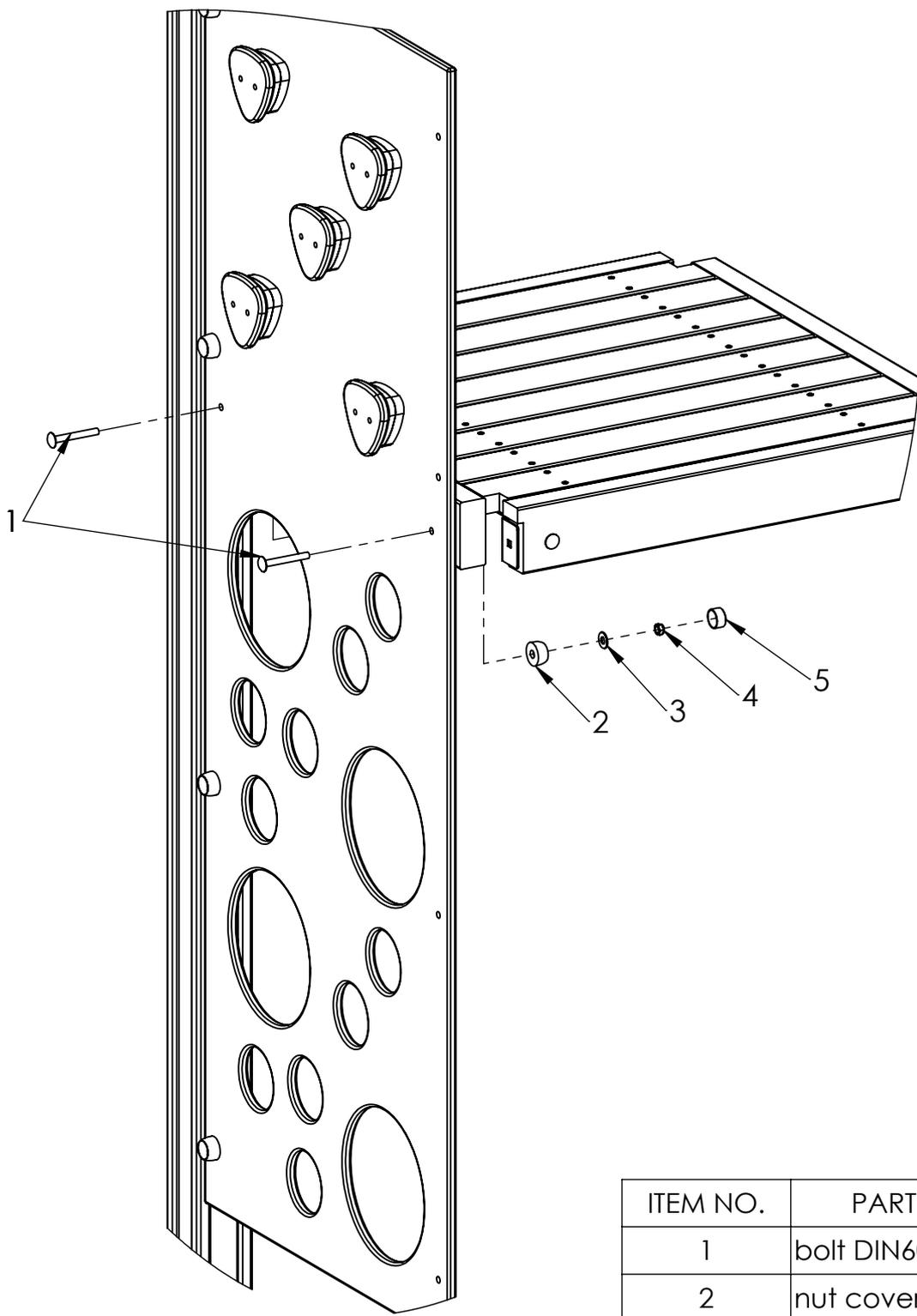
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ITEM NO.	PART NUMBER
1	bolt DIN603 M10x80
2	nut cover M12
3	Washer M10 DIN9054
4	nut DIN985 M10
5	nut cover cap M12

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 WEIGHT ARE IN KILOGRAMM

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

PART NUMBER / DWG NO.:  
**LM231-1**

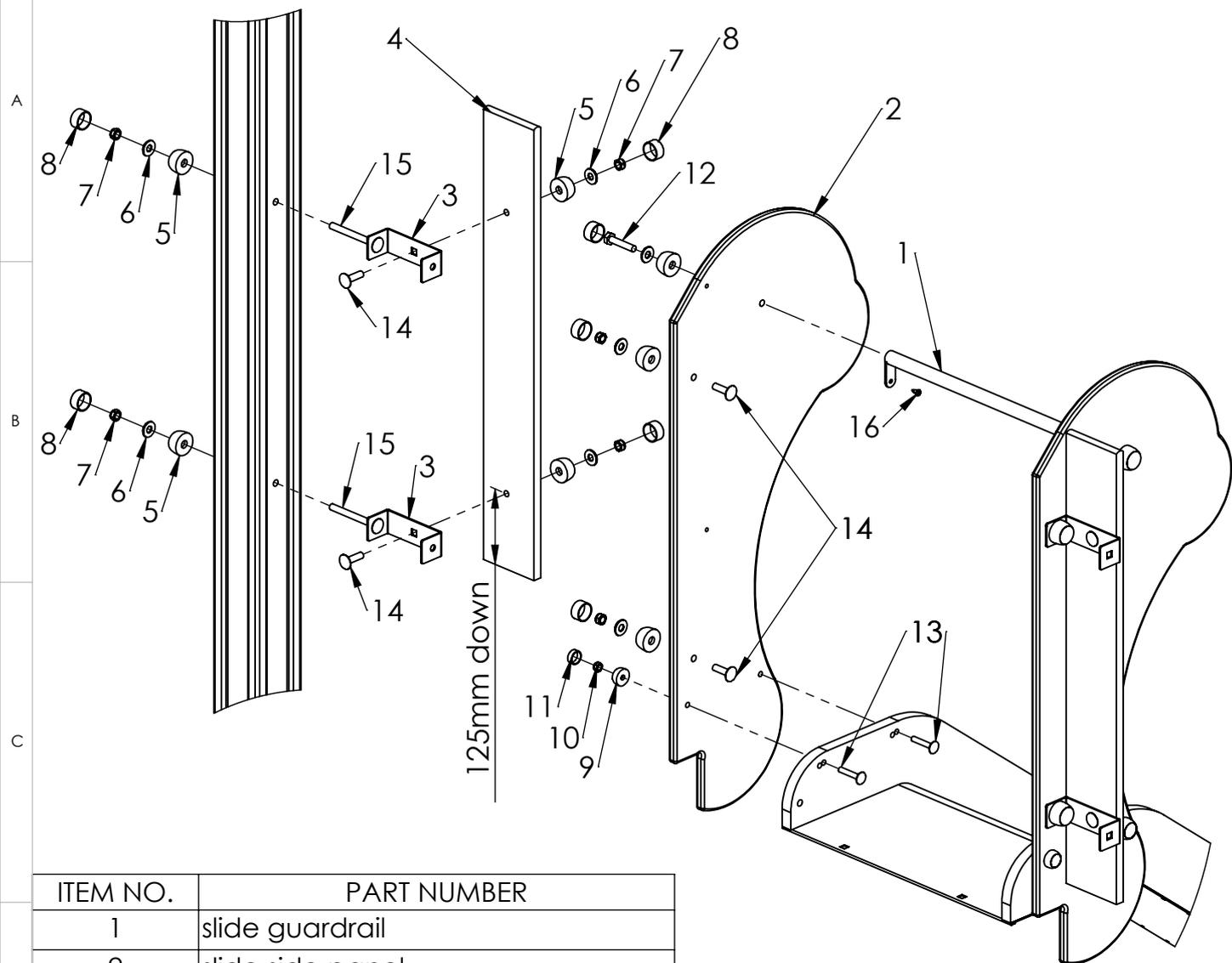
DESCRIPTION:  
**Play centre Carlos**



**Tiptiptap** OÜ

Tiptiptap OÜ  
 Veetorni 9,  
 Jüri alevik, Rae vald,  
 75301 Harjumaa

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:10	SHEET 12 OF 21



ITEM NO.	PART NUMBER
1	slide guardrail
2	slide side panel
3	slide side panel fixing (45x123x45)
4	side panel 111x770mm
5	nut cover M12
6	Washer M10 DIN9054
7	nut DIN985 M10
8	nut cover cap M12
9	nut cover M8
10	nut DIN985 M8
11	nut cover cap M8
12	bolt DIN931 M10x50
13	bolt DIN603 M8x45
14	bolt DIN603 M10x35
15	bolt DIN603 M10x100
16	wood screw 4,8x13

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos  
Connecting slide guard block to post

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:10

SHEET 13 OF 21



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

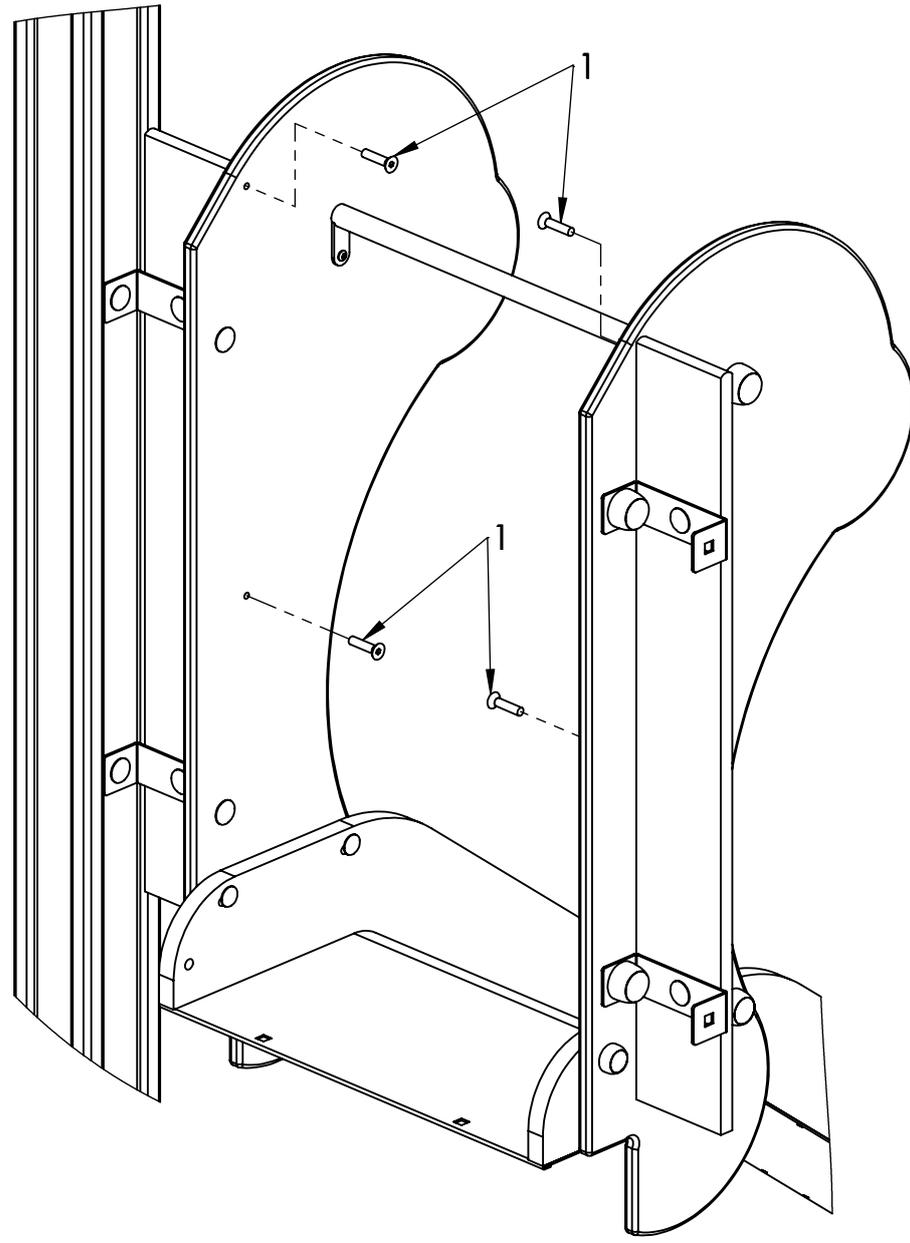
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ITEM NO.	PART NUMBER
1	M6x35 DIN7991

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM				
	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

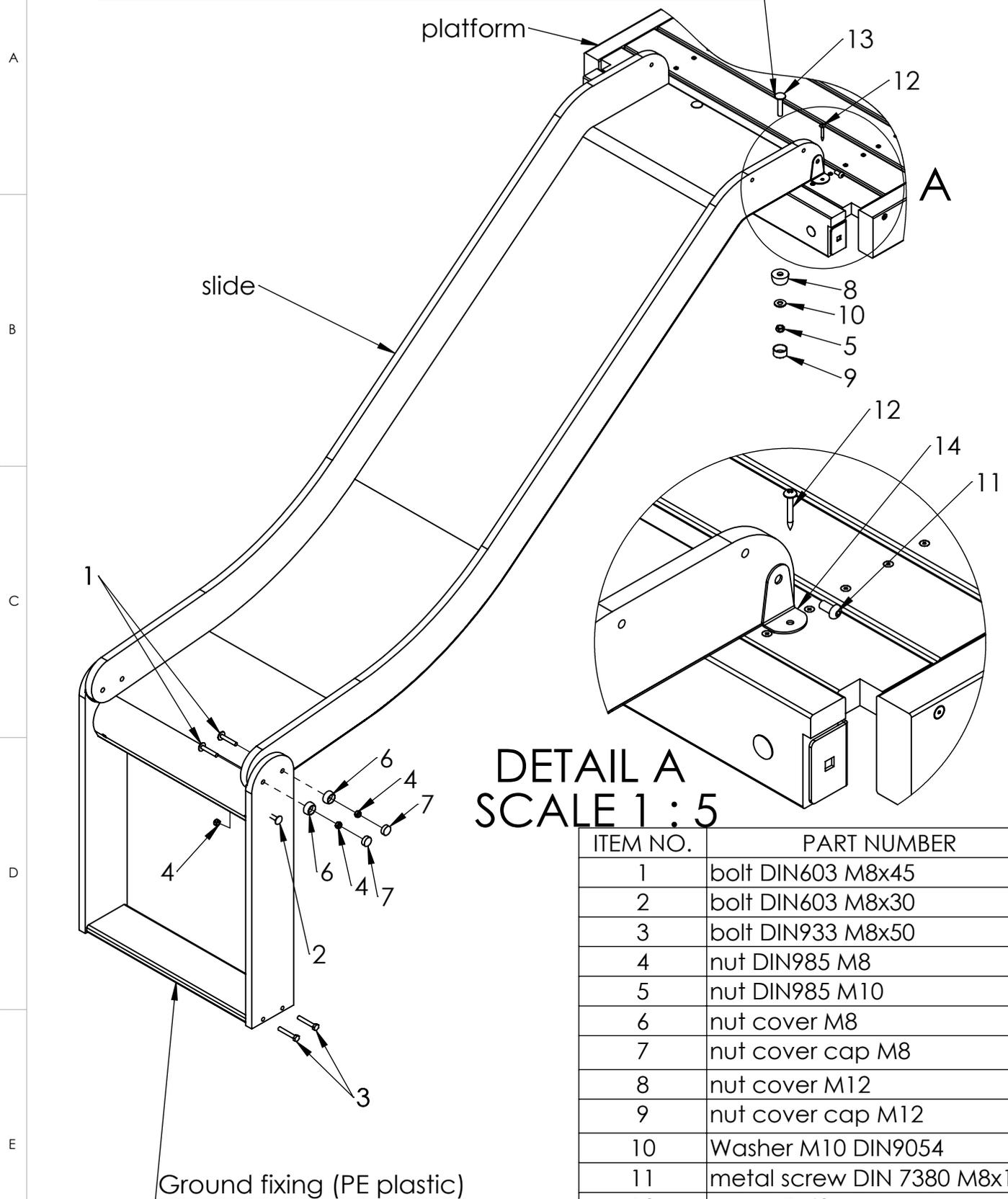
PART NUMBER / DWG NO.:	LM231-1
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DESCRIPTION:	Play centre Carlos Connecting slide guard block to post
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**Tiptiptap** OÜ  
 Veetorni 9,  
 Jüri alevik, Rae vald,  
 75301 Harjumaa

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:7	SHEET 14 OF 21

In the case of a plastic slide, this bolt is M10x60 DIN603



DETAIL A  
SCALE 1 : 5

ITEM NO.	PART NUMBER
1	bolt DIN603 M8x45
2	bolt DIN603 M8x30
3	bolt DIN933 M8x50
4	nut DIN985 M8
5	nut DIN985 M10
6	nut cover M8
7	nut cover cap M8
8	nut cover M12
9	nut cover cap M12
10	Washer M10 DIN9054
11	metal screw DIN 7380 M8x16
12	screw 5x40
13	bolt DIN603 M10x50
14	corner 58x30

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos  
connecting slide to platform

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

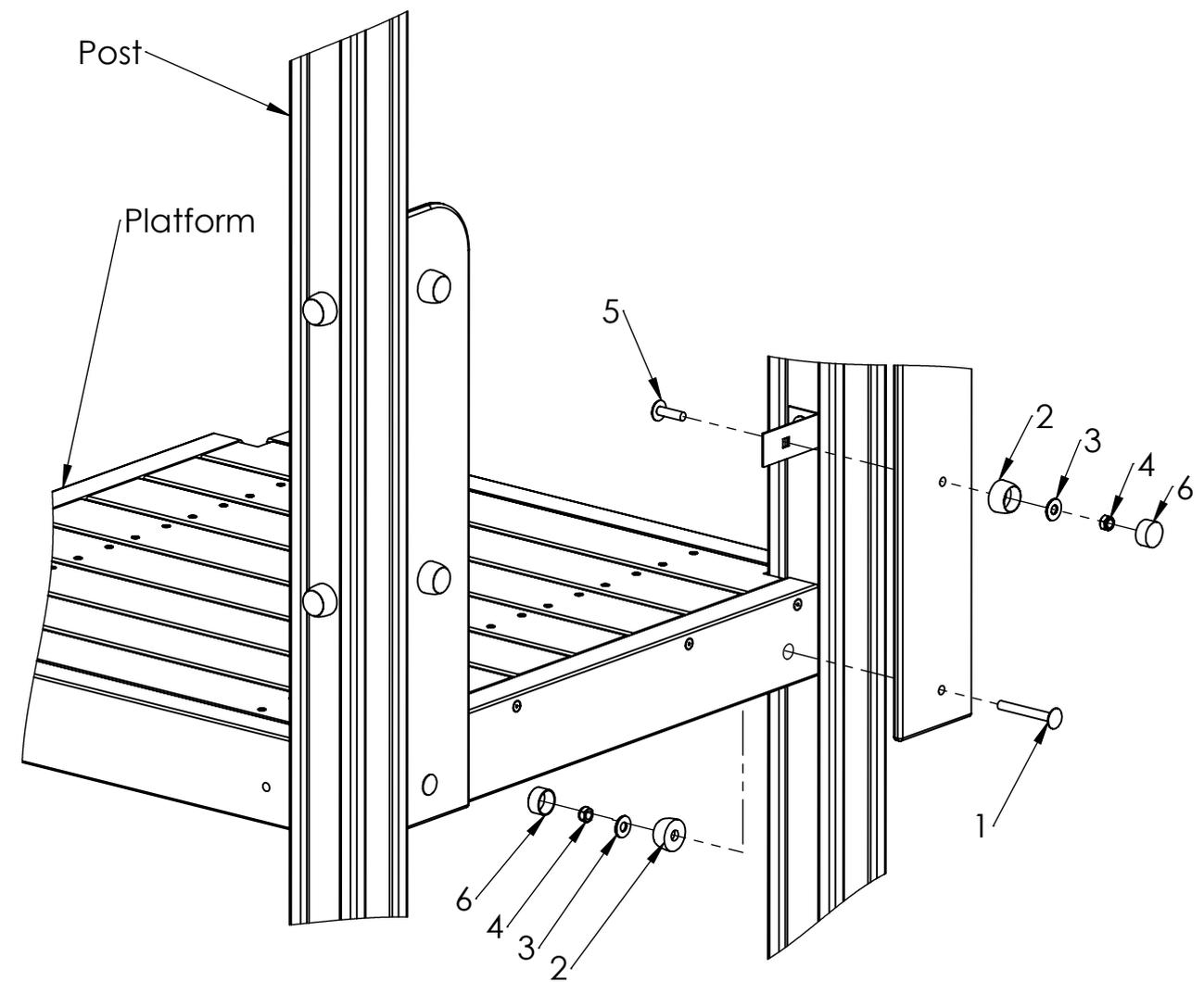
SCALE: 1:12

SHEET 15 OF 21



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa



ITEM NO.	PART NUMBER
1	bolt DIN603 M10x80
2	nut cover M12
3	Washer M10 DIN9054
4	nut DIN985 M10
5	bolt DIN603 M10x35
6	nut cover cap M12

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos



**Tiptaptap** OÜ

Tiptaptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

A4

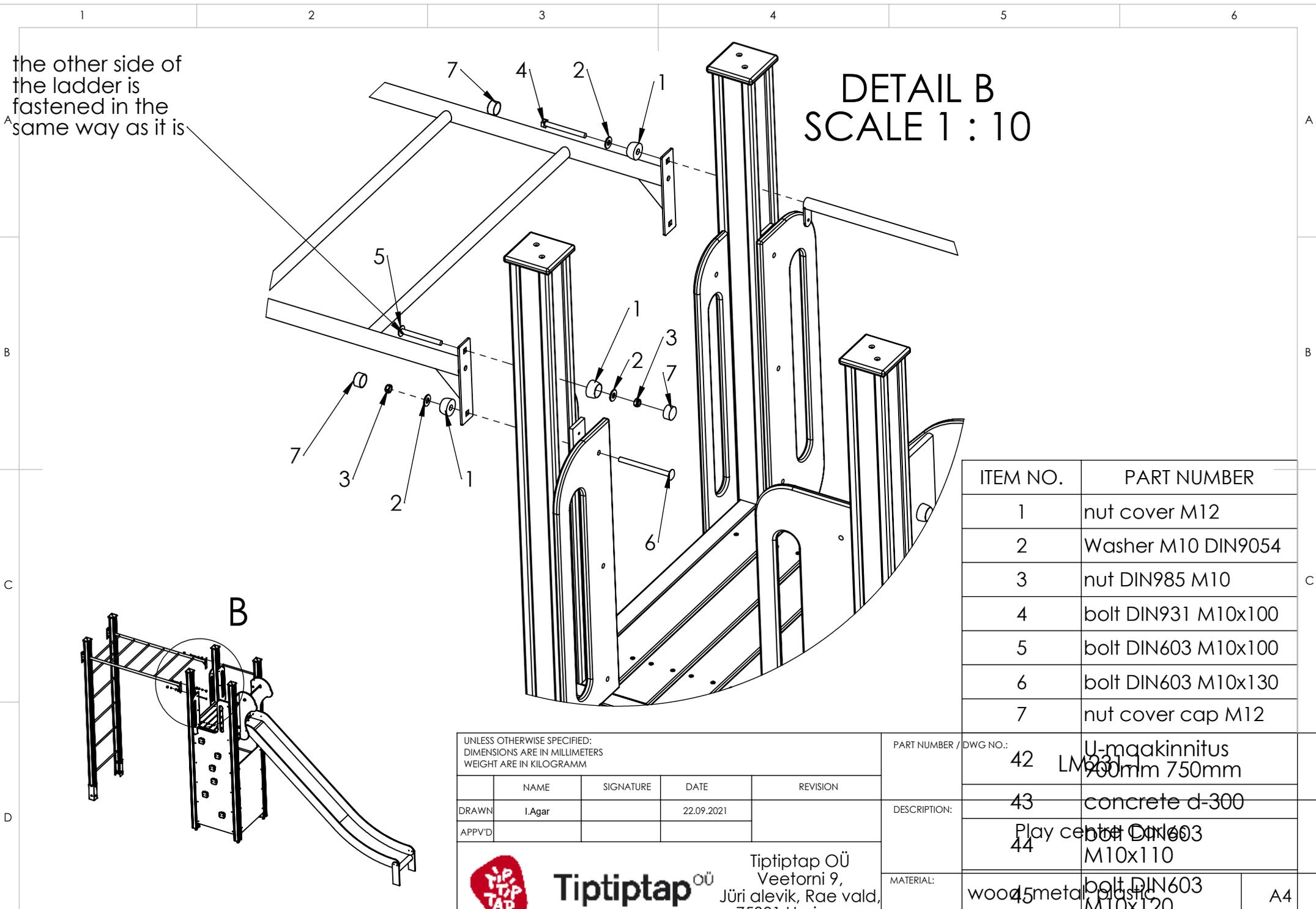
WEIGHT:

SCALE: 1:8

SHEET 16 OF 21

the other side of the ladder is fastened in the same way as it is

# DETAIL B SCALE 1 : 10



ITEM NO.	PART NUMBER
1	nut cover M12
2	Washer M10 DIN9054
3	nut DIN985 M10
4	bolt DIN931 M10x100
5	bolt DIN603 M10x100
6	bolt DIN603 M10x130
7	nut cover cap M12

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I. Agar		22.09.2021	
APPV'D				


**Tiptaptap** OÜ  
 Veetorni 9,  
 Jüri alevik, Rae vald,  
 75301 Harjumaa

PART NUMBER / DWG NO.:	DESCRIPTION:	MATERIAL:	WEIGHT:
42	U-maakinnitus 900mm 750mm	wood	45
43	concrete d-300	metal	45
44	Play center d=603 M10x110	plastic	45
		bolt DIN603 M10x120	

A

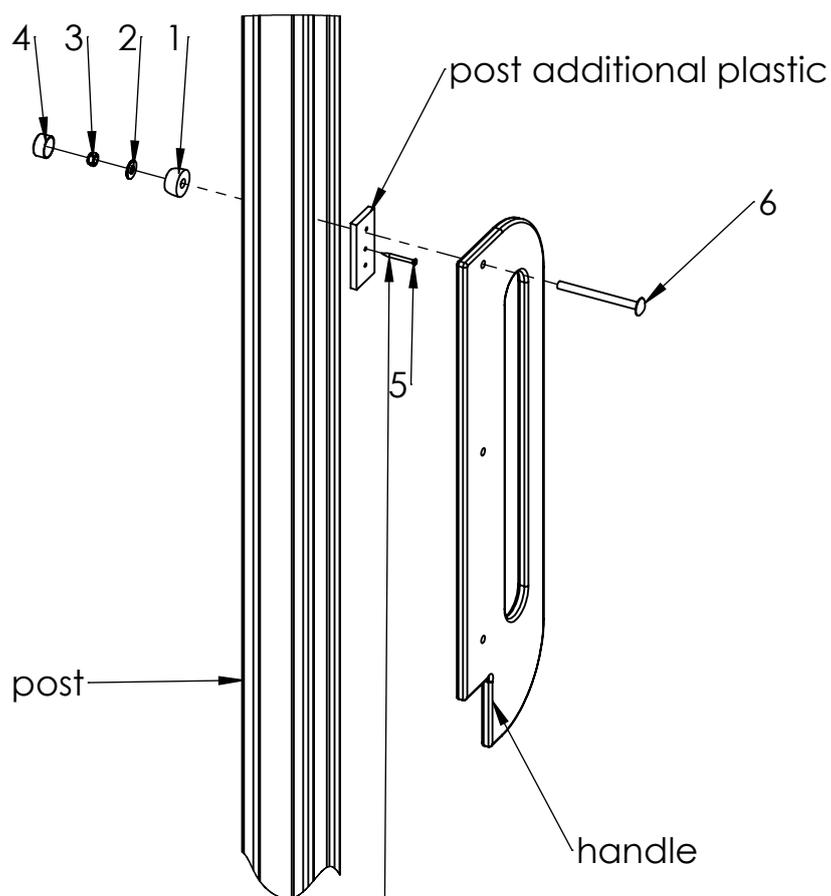
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MF verison: 4,8x38 DIN7504

ITEM NO.	PART NUMBER
1	nut cover M12
2	Washer M10 DIN9054
3	nut DIN985 M10
4	nut cover cap M12
5	woodscrew 4,5 x 50
6	bolt DIN603 M10x120

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		22.09.2021	
APPV'D				

DESCRIPTION:

Play centre Carlos



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:

wood, metal, plastic

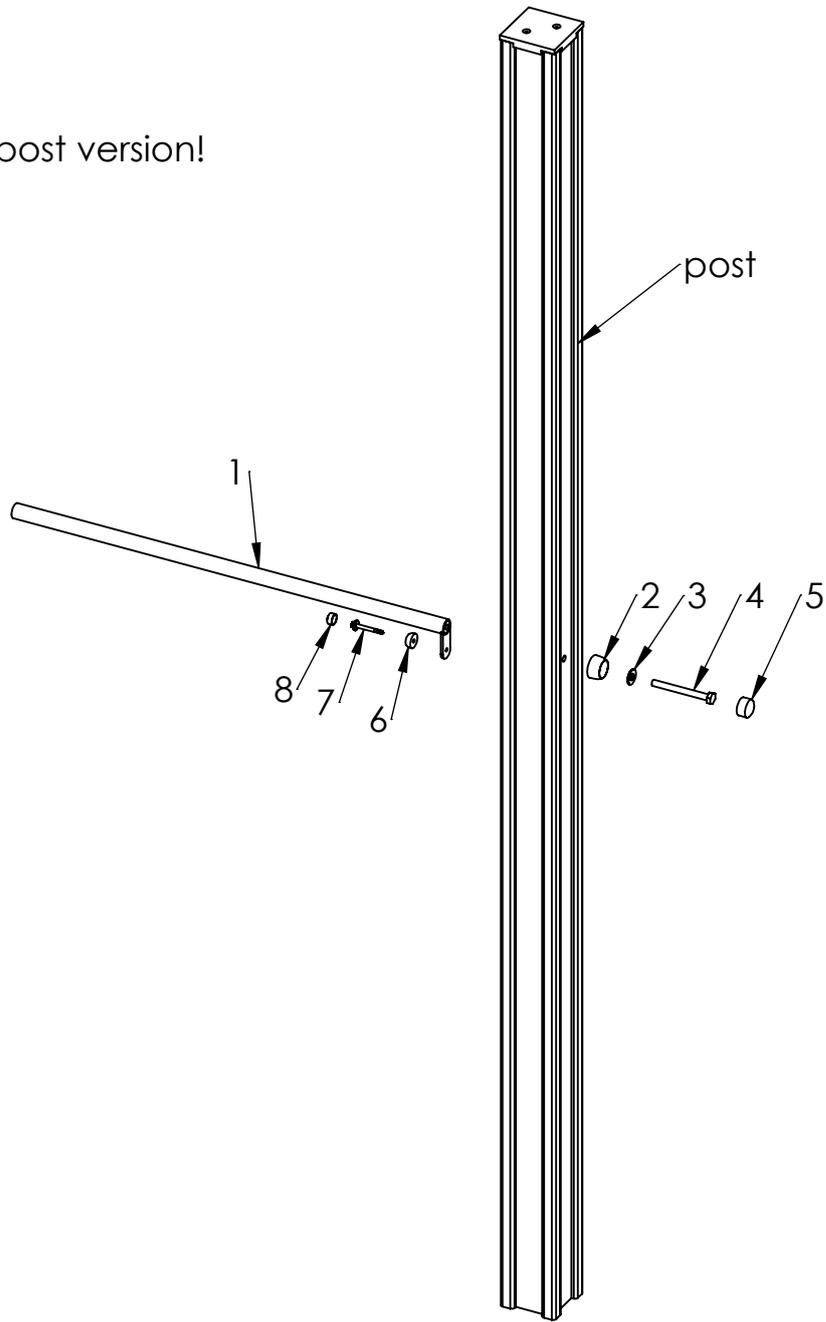
A4

WEIGHT:

SCALE: 1:10

SHEET 18 OF 21

Aluminium post version!



ITEM NO.	PART NUMBER
1	guardrail $\phi$ 25x770
2	nut cover M12
3	Washer M10 DIN9054
4	bolt DIN931 M10x100
5	nut cover cap M12
6	nut cover M6
7	screw DIN7504K 5,5x50
8	nut cover cap M6

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar			
APPV'D				

DESCRIPTION:

Play centre Carlos  
connecting guardrail to post

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:12

SHEET 19 OF 21



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

A

Wood post version!

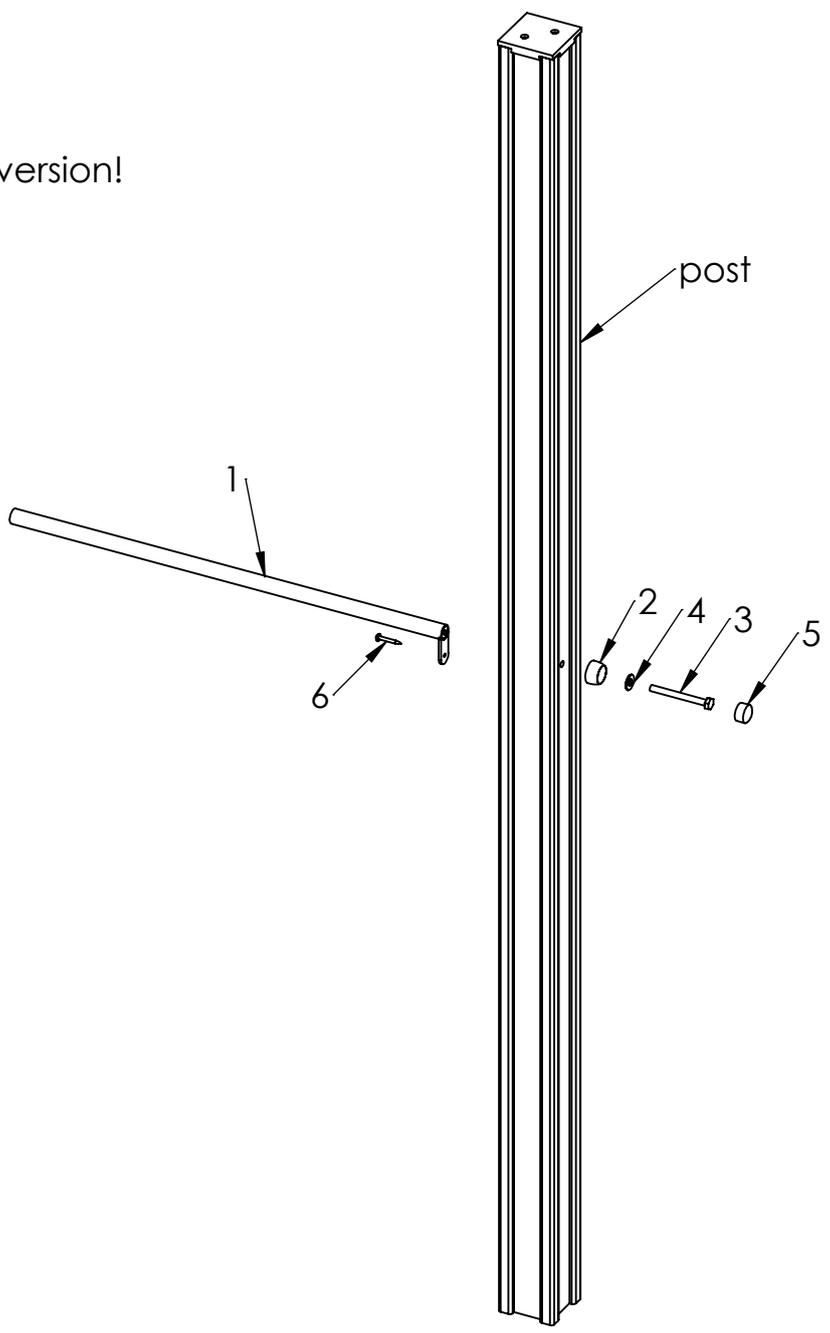
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ITEM NO.	PART NUMBER
1	guardrail $\varnothing$ 25x770
2	nut cover M12
3	bolt DIN931 M10x100
4	Washer M10 DIN9054
5	nut cover cap M12
6	screw 5x40

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 WEIGHT ARE IN KILOGRAMM

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar			
APPV'D				

PART NUMBER / DWG NO.:  
**LM231-1**

DESCRIPTION:  
 Play centre Carlos  
 connecting guardrail to post



**Tiptiptap** OÜ  
 Veetorni 9,  
 Jüri alevik, Rae vald,  
 75301 Harjumaa

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:12	SHEET 20 OF 21

A

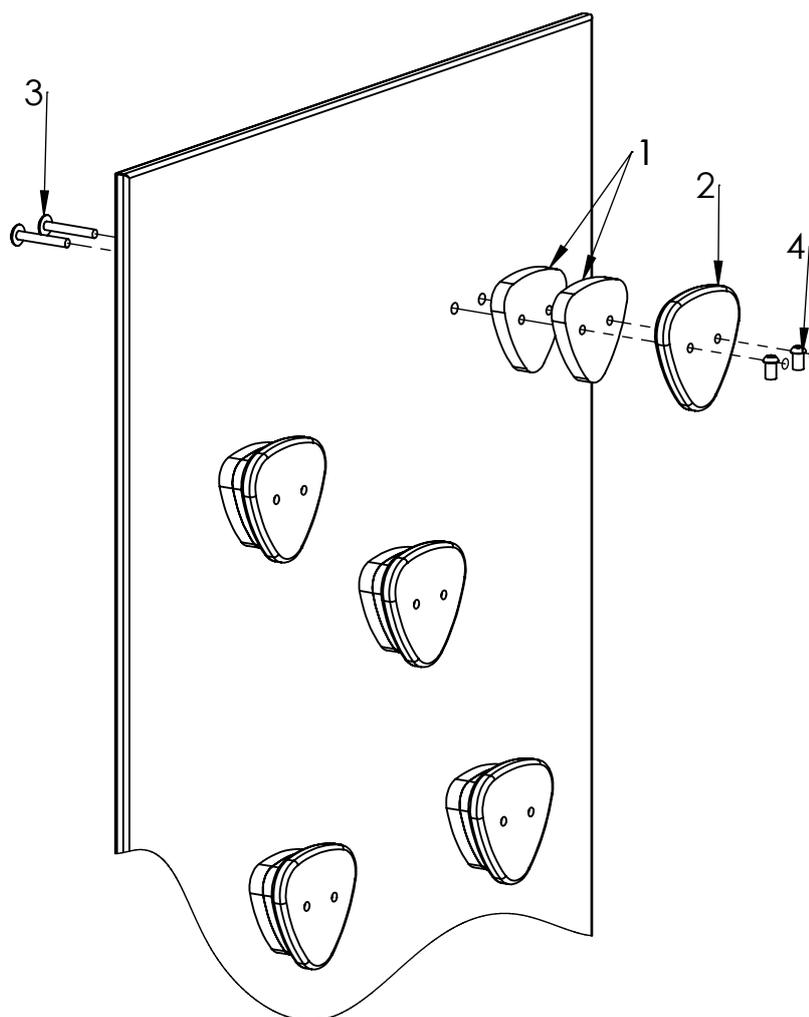
B

C

D

E

F



ITEM NO.	PART NUMBER
1	climbing grip base
2	climbing grip
3	bolt DIN603 M8x55
4	M8 safety nut

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

PART NUMBER / DWG NO.:

LM231-1

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar			
APPV'D				

DESCRIPTION:

Play centre Carlos  
Assembling climbing grip to wall

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:7

SHEET 21 OF 21



**Tiptiptap** OÜ

Tiptiptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa