

A

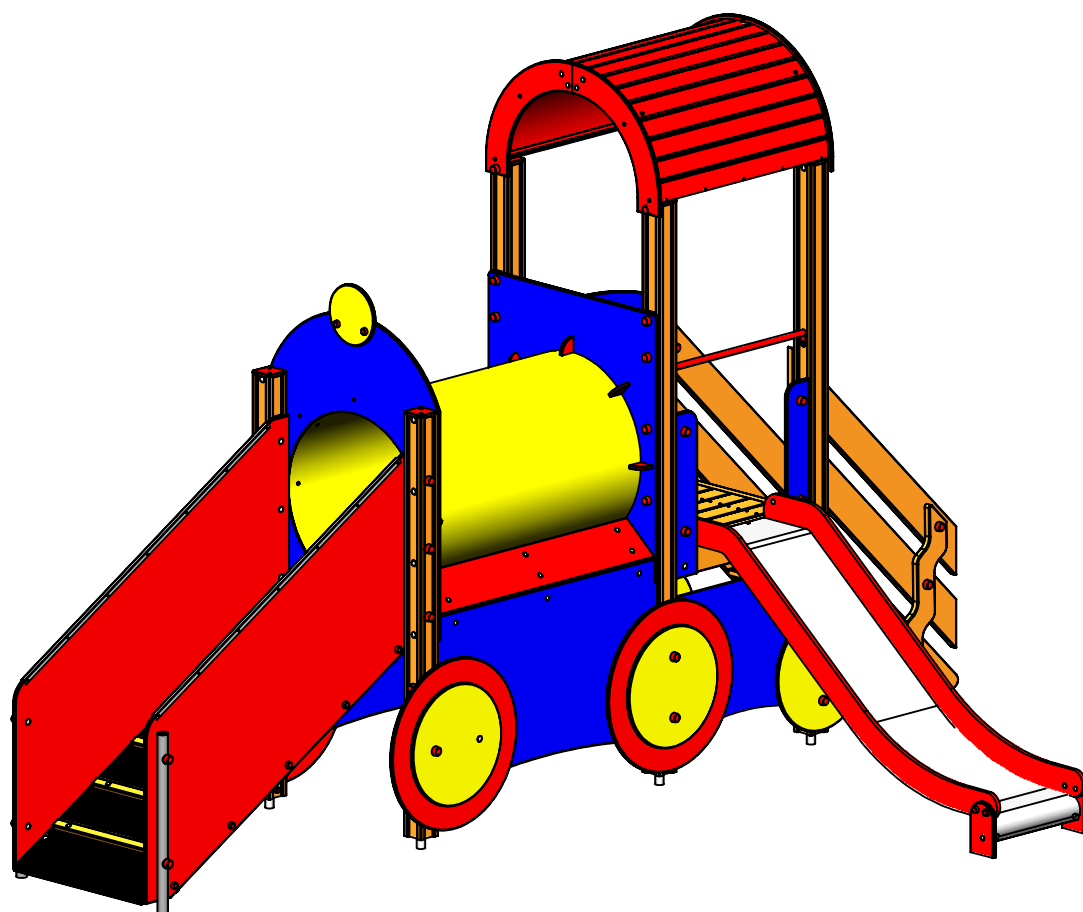
B

C

D

E

F



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

PART NUMBER / DWG NO.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive



**Tiptiptap** OÜ

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

MATERIAL:

wood, metal, plastic

A4

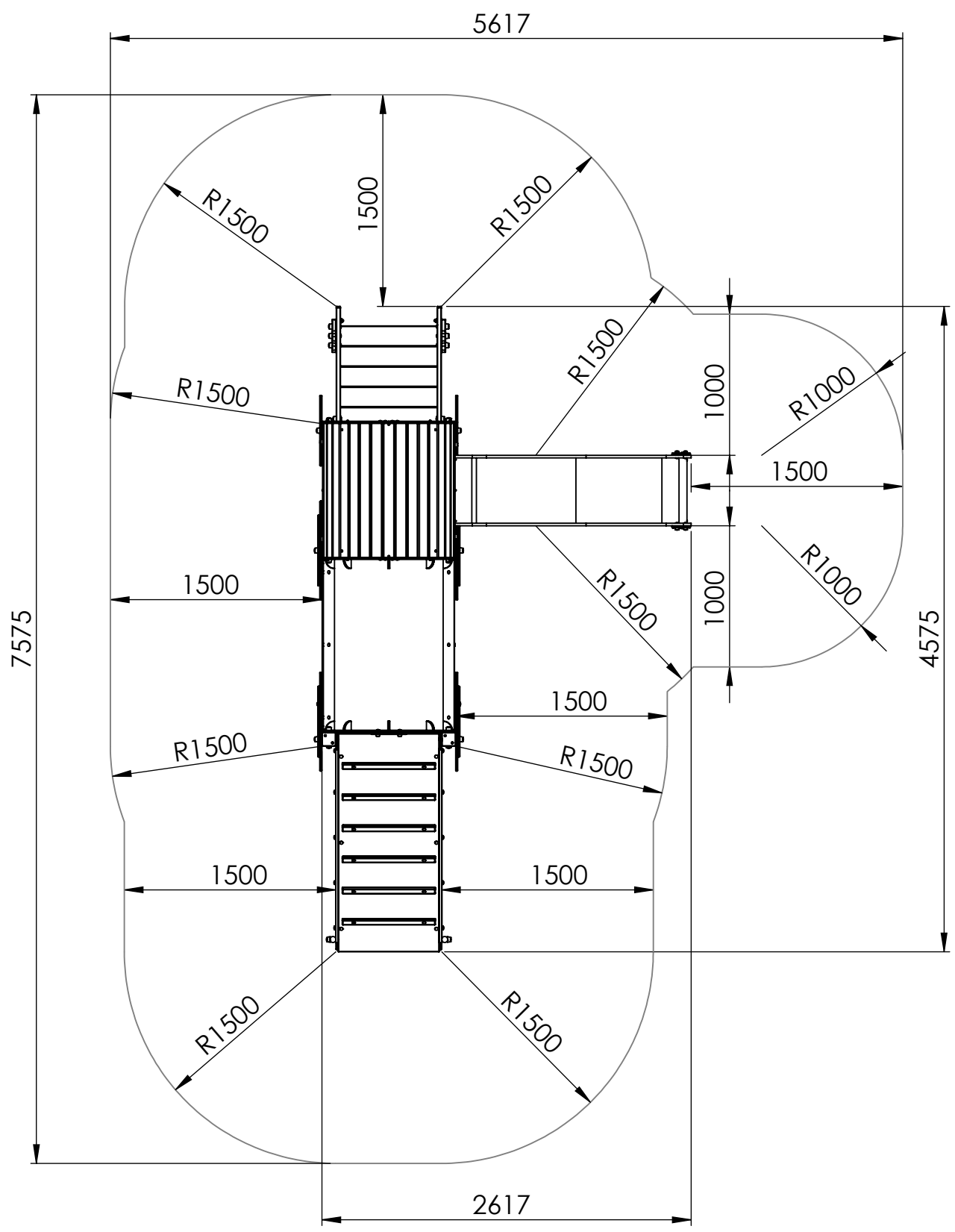
WEIGHT:

SCALE: 1:30

SHEET 1 OF 39

Safety area

A  
B  
C  
D  
E  
F



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**


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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 2 OF 39

Foundation

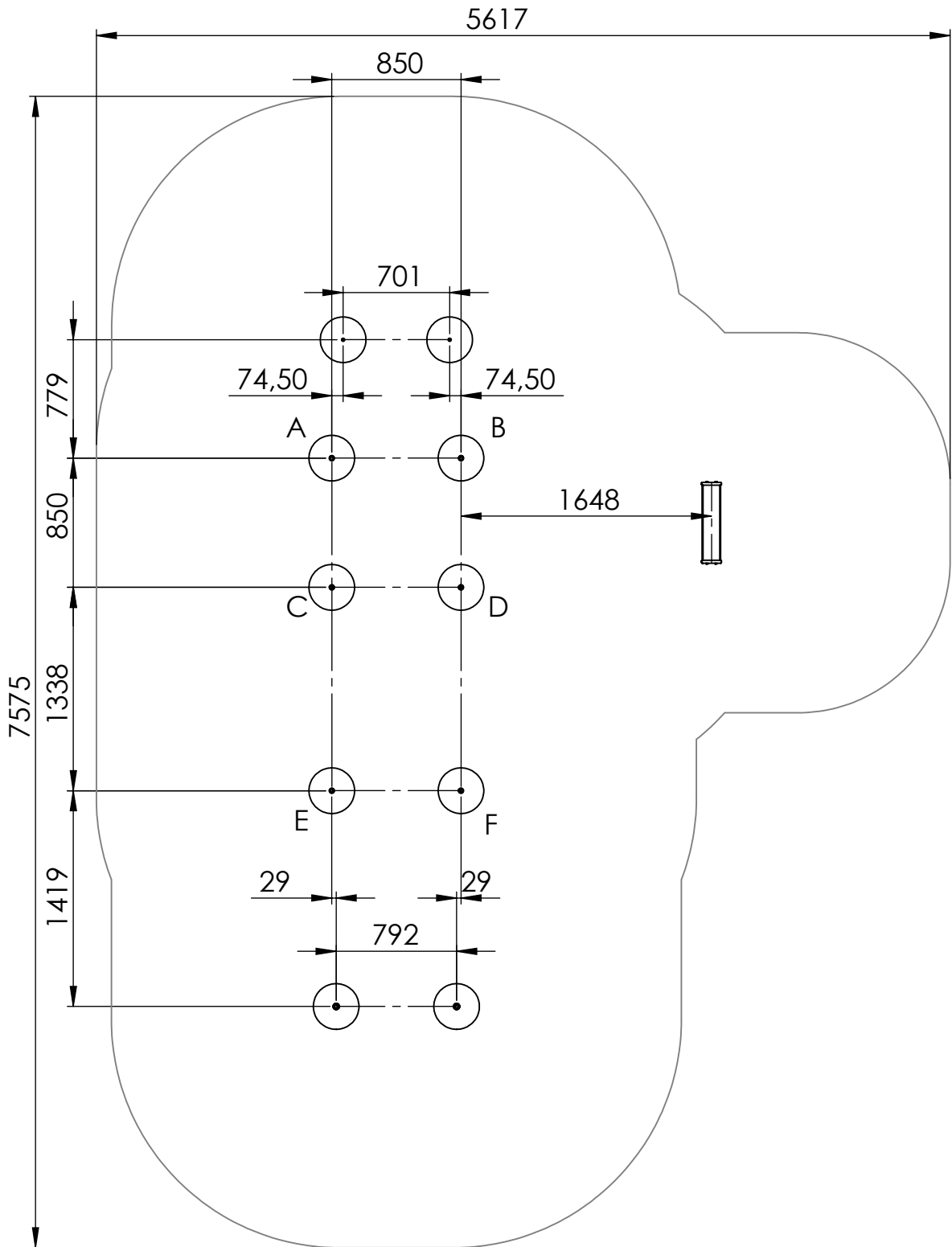
A

B

C

D

E



Depth of foundation: 600mm

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

PART NUMBER / DWG NO.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive



**Tiptiptap** OÜ

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

MATERIAL:

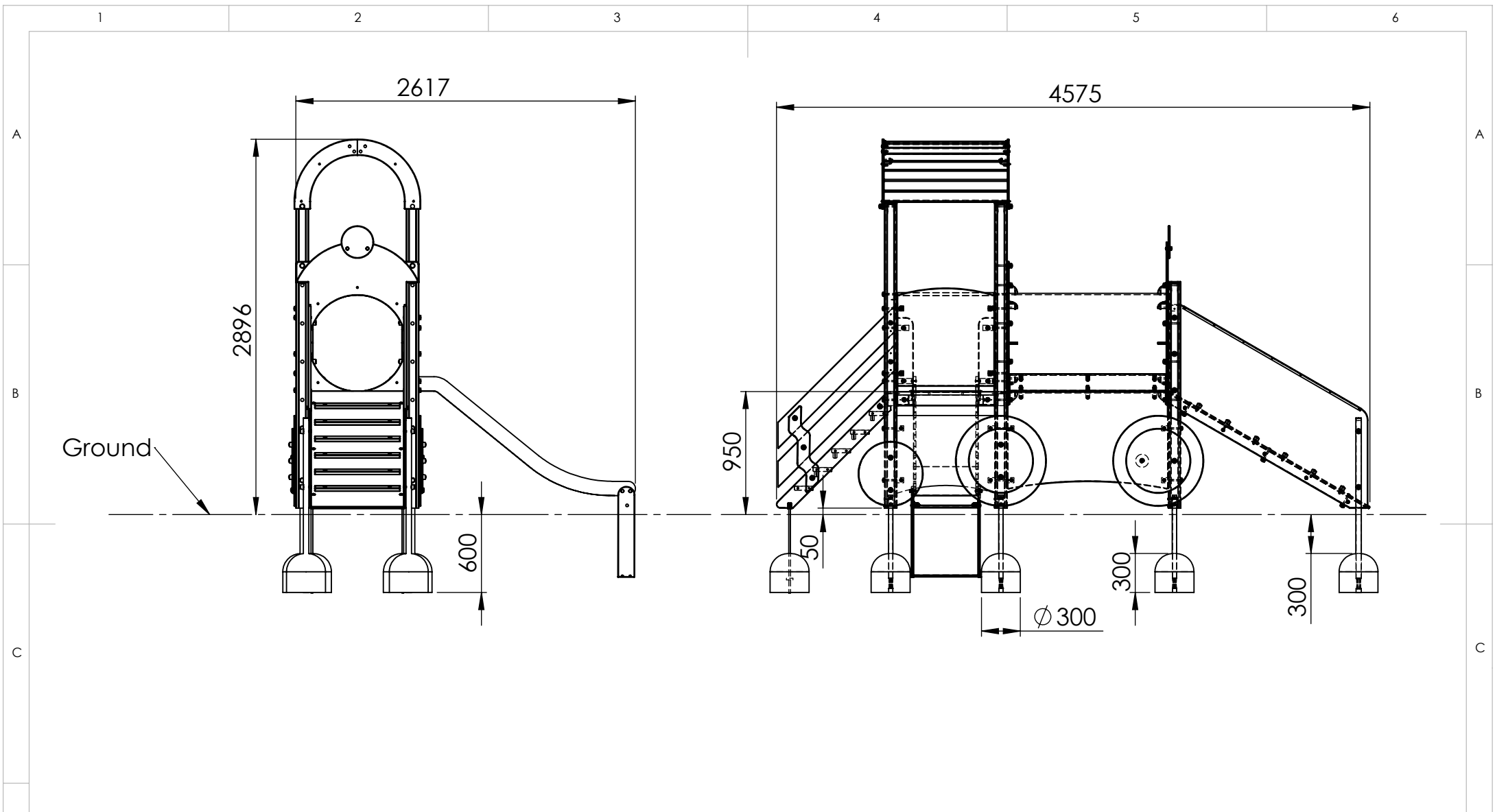
wood, metal, plastic


A4

WEIGHT:

SCALE: 1:40

SHEET 3 OF 39



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	

A

B

C

D

E

F

MM102 98x98x2350 profile post A

MM102 98x98x2350 profile post B

MM102 98x98x1740 profile post E

1x

1x

1x

1x

1x

1x

MM102 98x98x2350 profile post C

MM102 98x98x2350 profile post D

MM102 98x98x1740 profile post F

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

PART NUMBER / DWG NO.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive



**Tiptiptap** OÜ

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

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

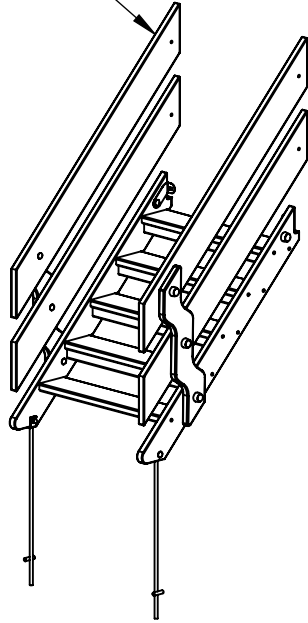
SCALE: 1:20

SHEET 5 OF 39

A

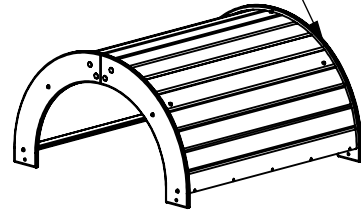
H950 stair

1x



Arched roof

1x

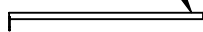


B

c

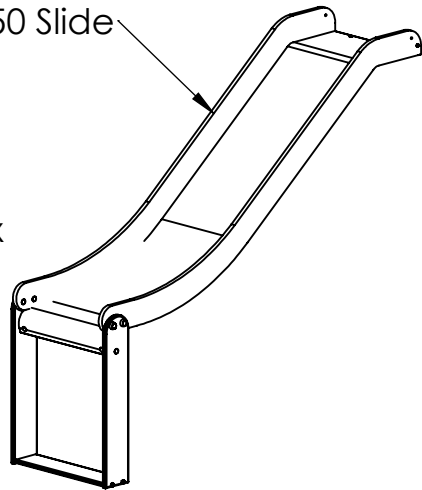
Guardrail D25x770

1x



950 Slide

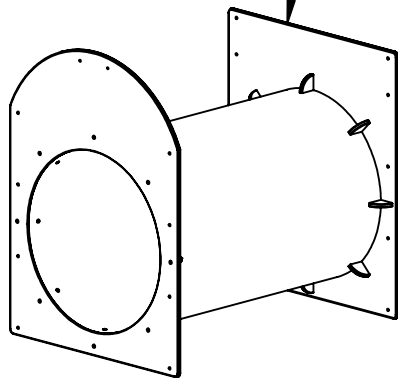
1x



D

LM102 Plastic tube with panels

1x



MM102 light circle

1x



E

F

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

PART NUMBER / DWG NO.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive



Tiptaptap OÜ

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

MATERIAL:

wood, metal, plastic

A4

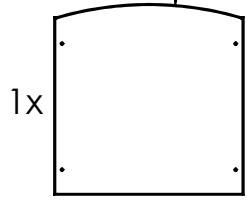
WEIGHT:

SCALE: 1:30

SHEET 6 OF 39

A

Playground upward curved panel, lower hole 100mm



2x

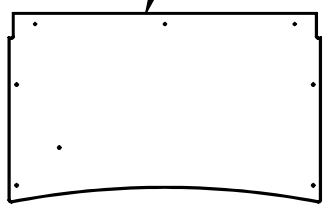


MM102 slide side panel

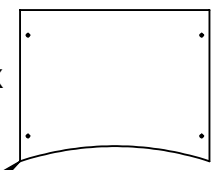
B

MM102 big side panel

2x



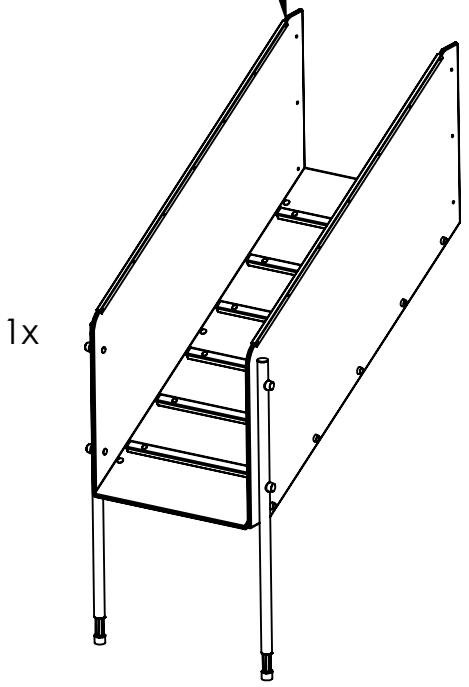
2x



MM102 downward curved panel

C

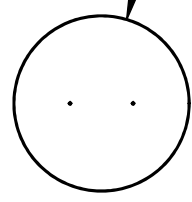
MM102 Ramp



1x

MM102 big wheel

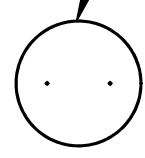
4x



D

MM102 small wheel

6x



E

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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**

F



**Tiptiptap** OÜ

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

MATERIAL: wood, metal, plastic

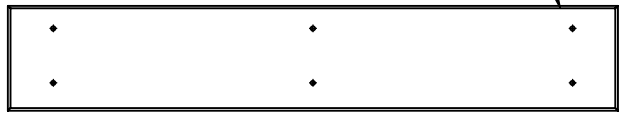
A4

WEIGHT: SCALE: 1:30 SHEET 7 OF 39

A

MM102 tube side panel

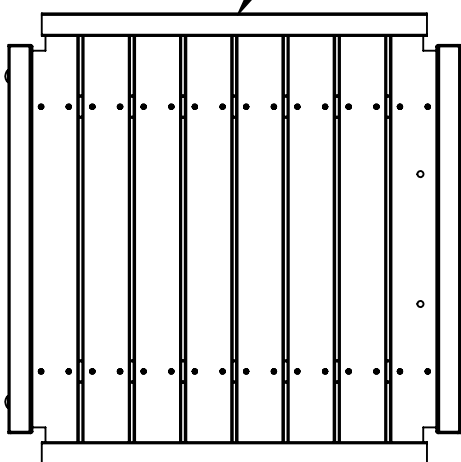
2x



B

MM102 platform

1x

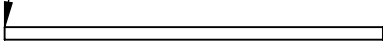


C

D

Platform slat

1x



E

F

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM				
	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

PART NUMBER / DWG NO.:	MM102
DESCRIPTION:	Playtrain Locomotive



**Tiptiptap** OÜ

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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:15	SHEET 8 OF 39



# Aluminium post version!!!

A

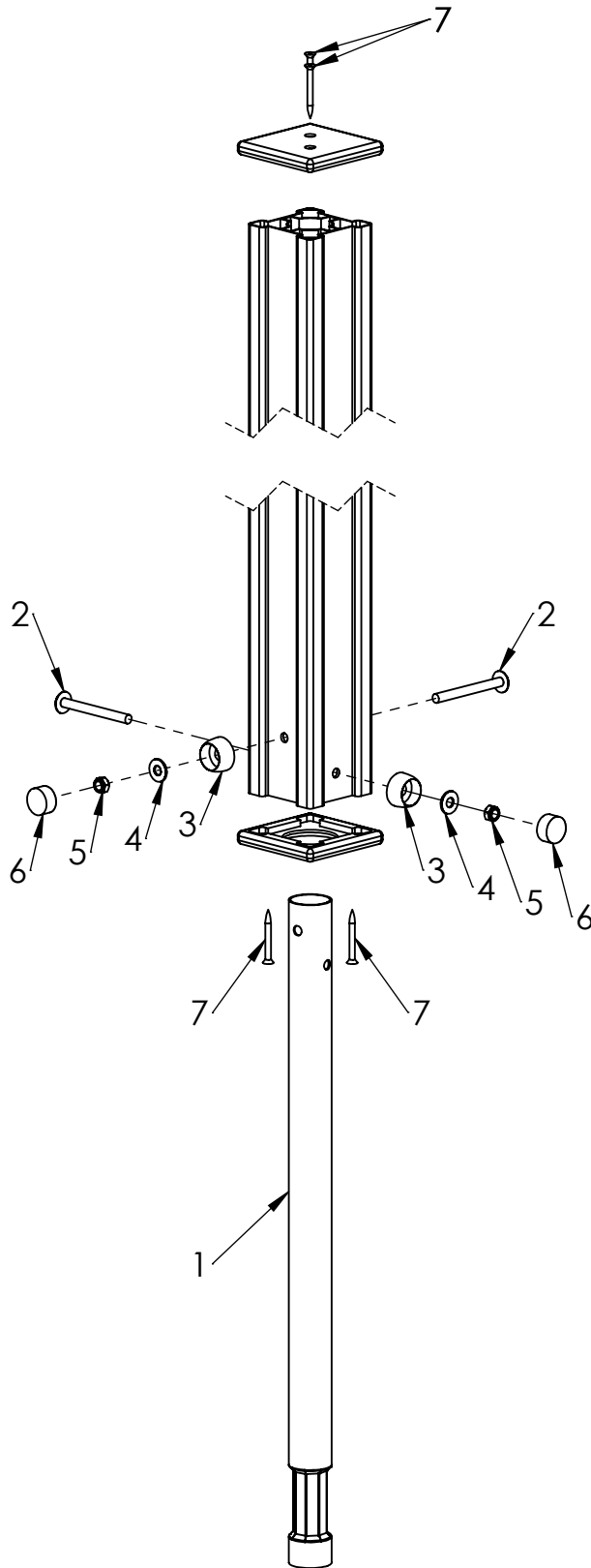
B

C

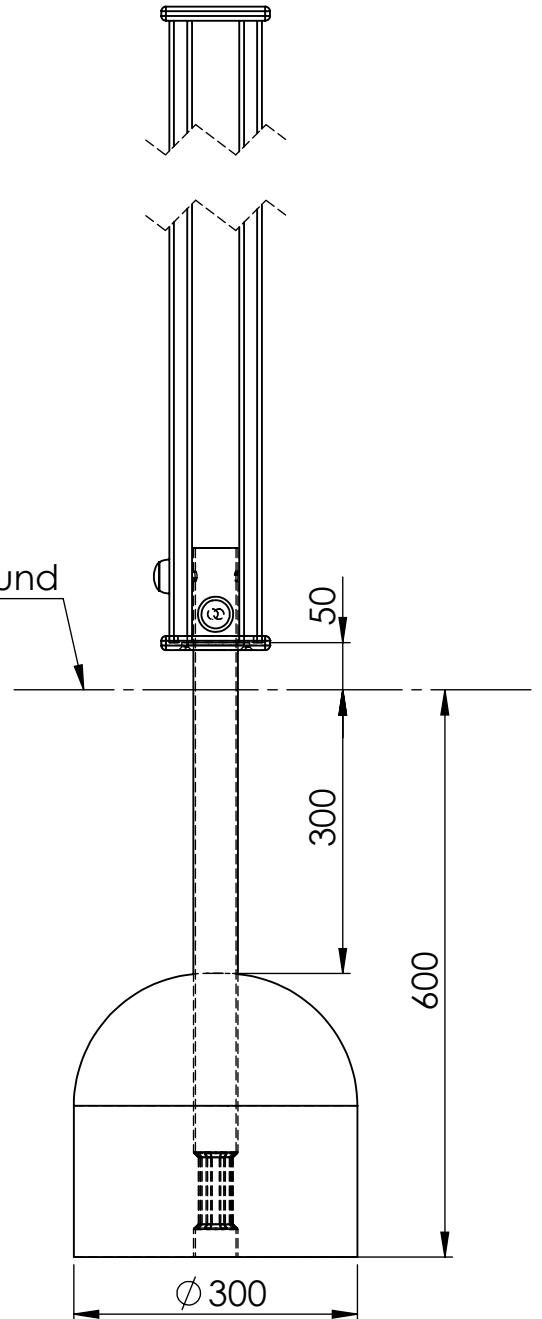
D

E

F



Ground



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.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive

connecting metal ground fixing to aluminium post

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:8

SHEET 9 OF 39

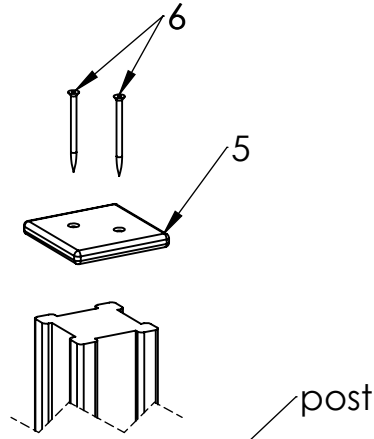


**Tiptaptap** OÜ

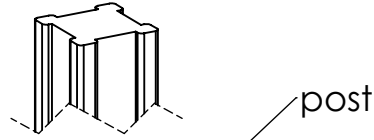
Tiptaptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

**Wood post version!!!!**

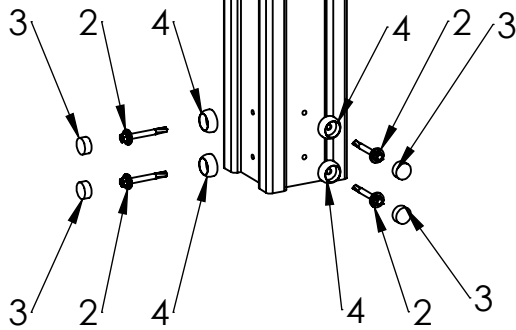
A



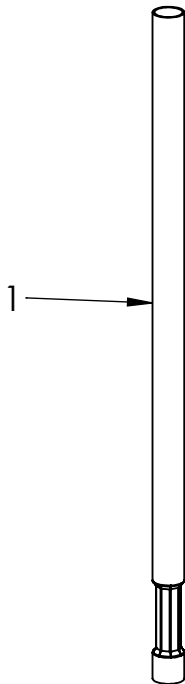
B



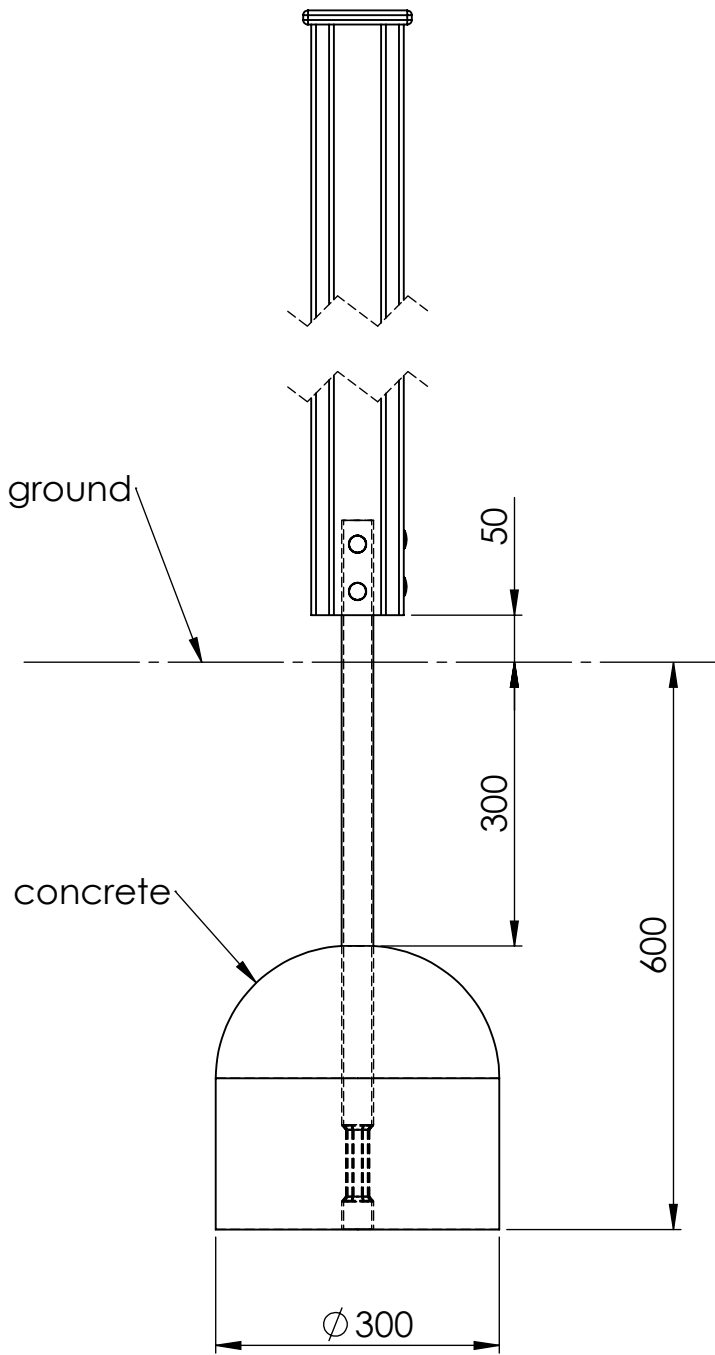
C



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.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive  
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 10 OF 39

A

B

C

D

E

F

Profile post cap with cut edges

6 x 90 Woodscrew

Post D

Post C

M10x120 bolt DIN603

M10x100 bolt DIN603

Post B

Post A

M10x60 bolt DIN603

M10 domed cap nut DIN986  
M10x100 bolt DIN603M12 nut cover  
M10 Washer DIN9054  
M10 Nut DIN985  
M12 nut cover capM6 nut cover  
5,5x50 DIN7504-K  
M6 nut cover cap

6 x 90 Woodscrew

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

PART NUMBER / DWG NO.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive



Tiptiptap OÜ

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

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:15

SHEET 11 OF 39

A

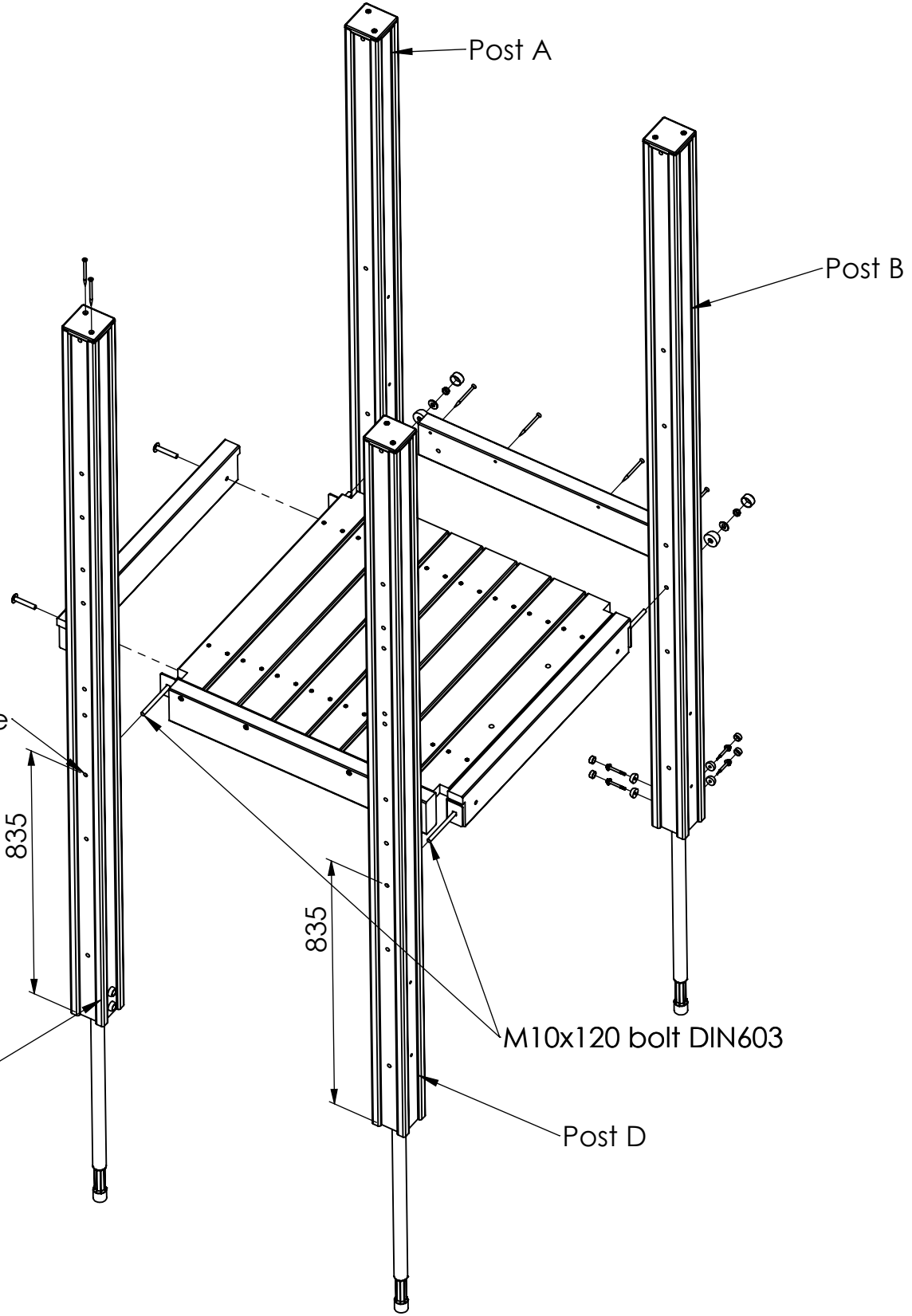
B

C

D

E

F



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

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

PART NUMBER / DWG NO.:  
**MM102**

DESCRIPTION:  
**Playtrain Locomotive**

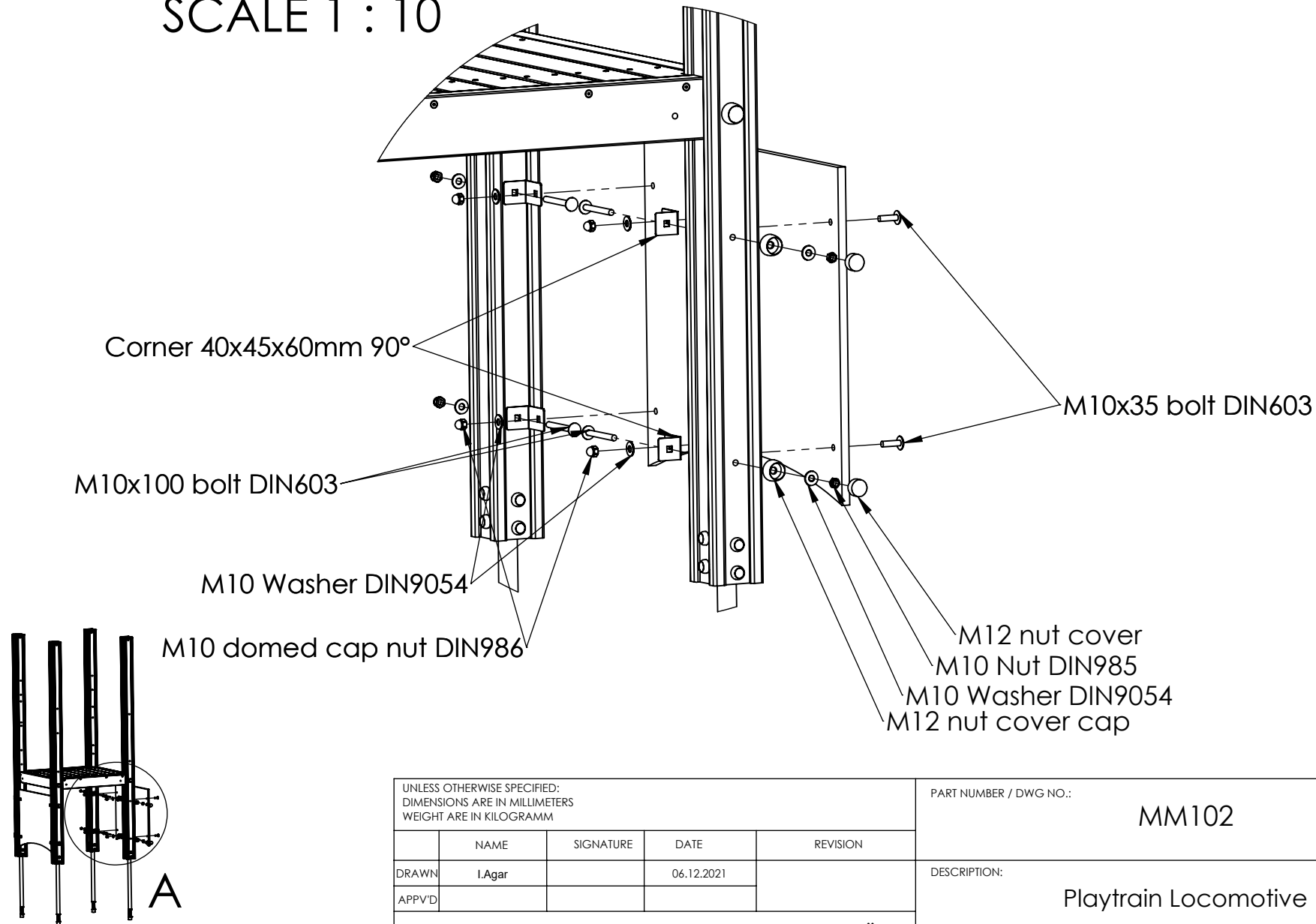


**Tiptiptap OÜ**  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:15
		SHEET 12 OF 39

# DETAIL A

## SCALE 1 : 10



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

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				



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

PART NUMBER / DWG NO.:  
**MM102**

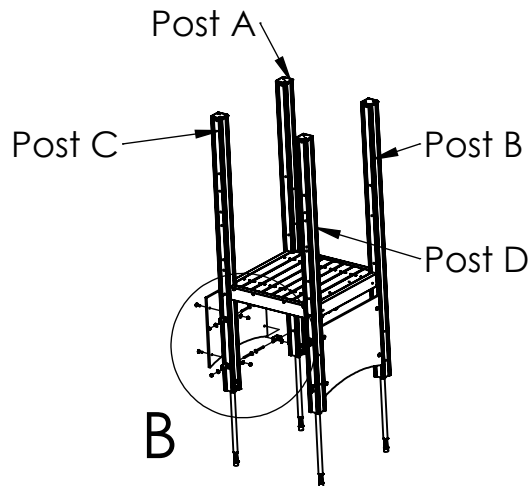
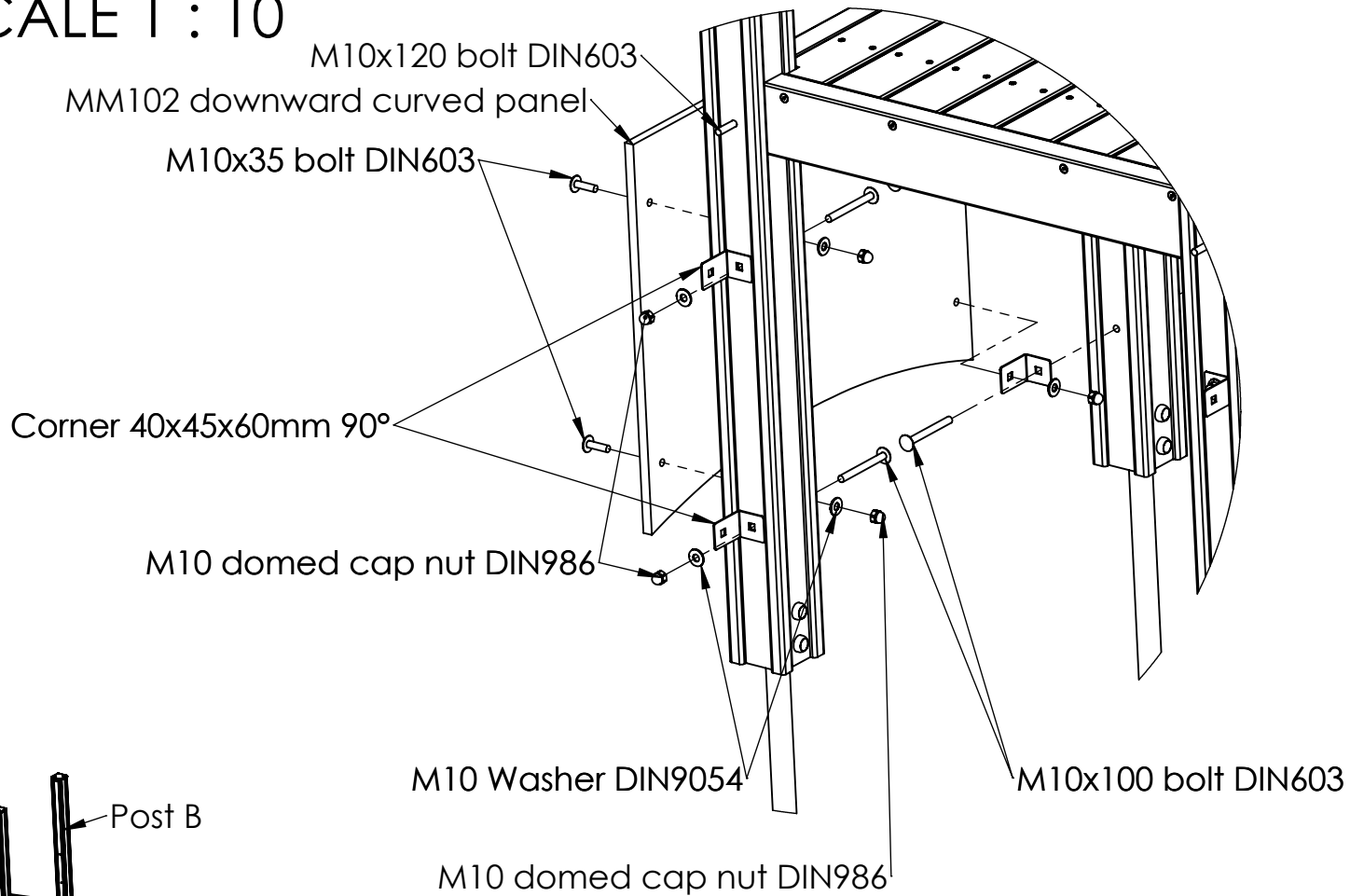
DESCRIPTION:  
**Playtrain Locomotive**


MATERIAL:  
 wood, metal, plastic

WEIGHT: SCALE: 1:60 SHEET 13 OF 39

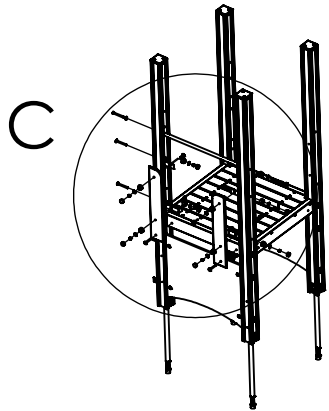
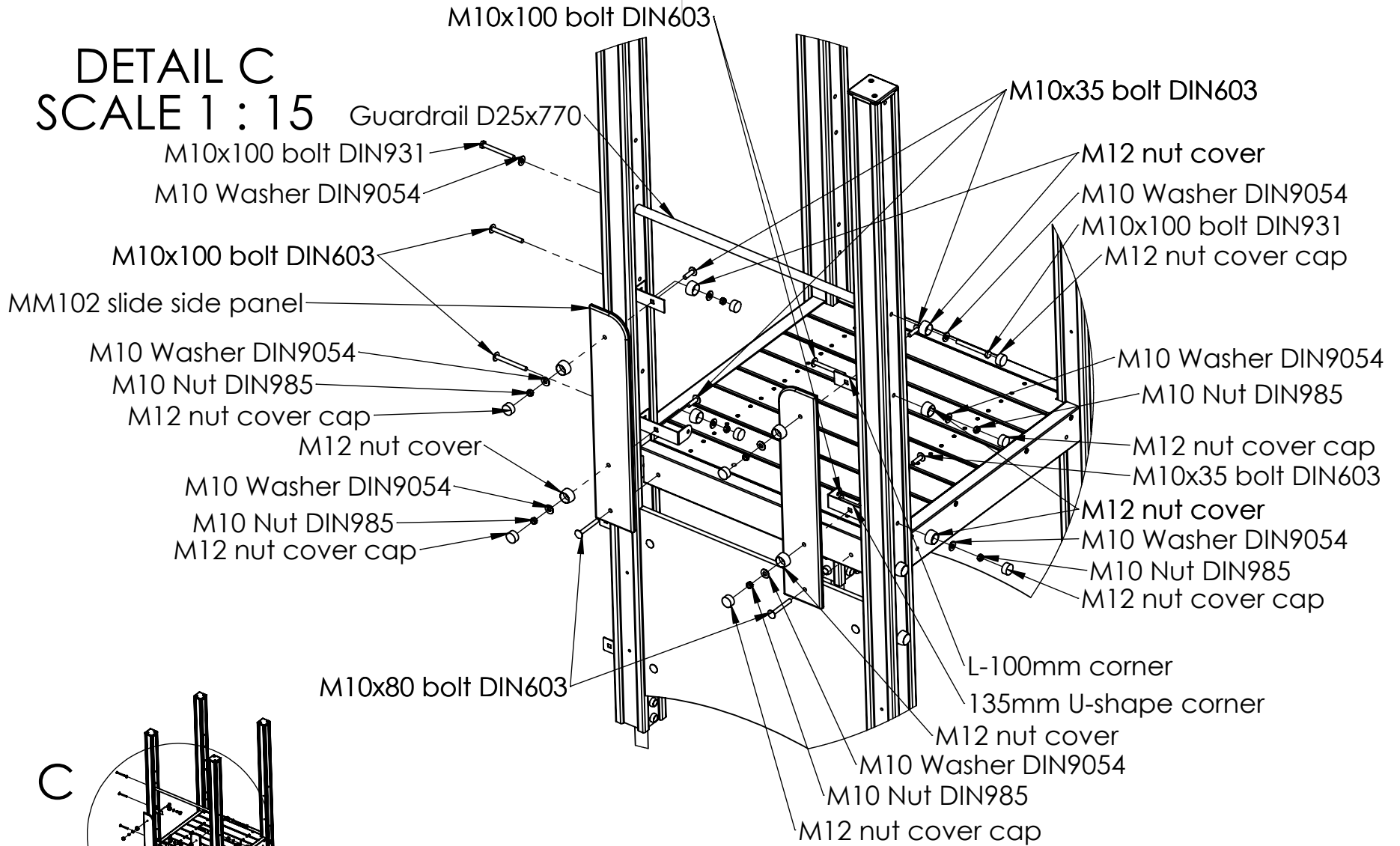
A4


# DETAIL B SCALE 1 : 10



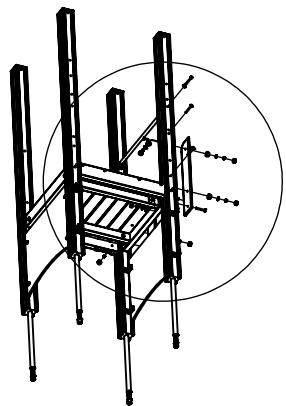
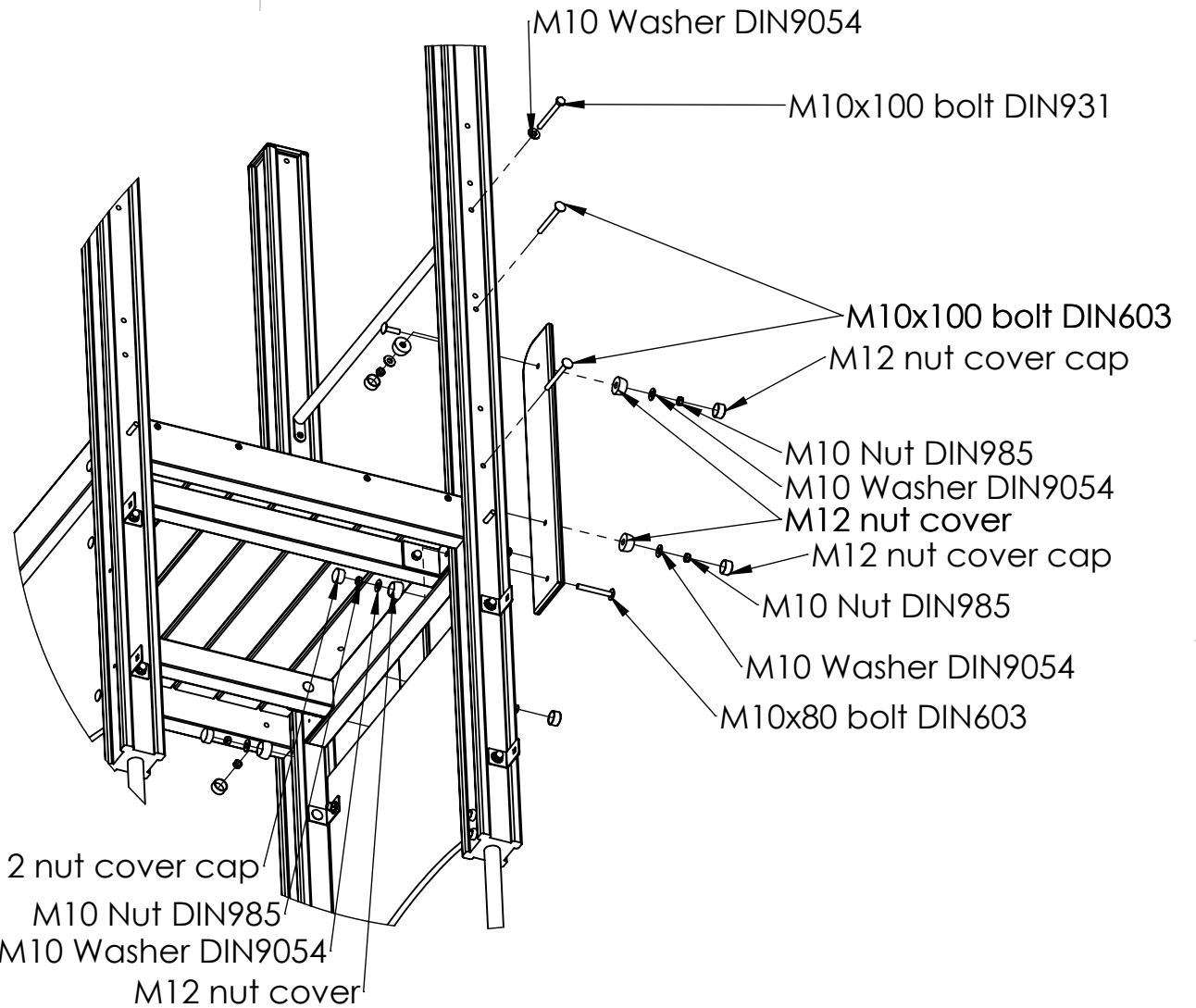
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021		MATERIAL: wood, metal, plastic	
APPV'D					A4	
 <b>Tiptap</b> OÜ Tiptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					WEIGHT:	
					SCALE: 1:60	
					SHEET 14 OF 39	

# DETAIL C SCALE 1 : 15



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	SCALE: 1:60
					SHEET 15 OF 39	

# DETAIL D SCALE 1 : 15



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



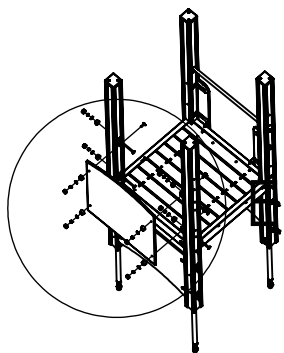
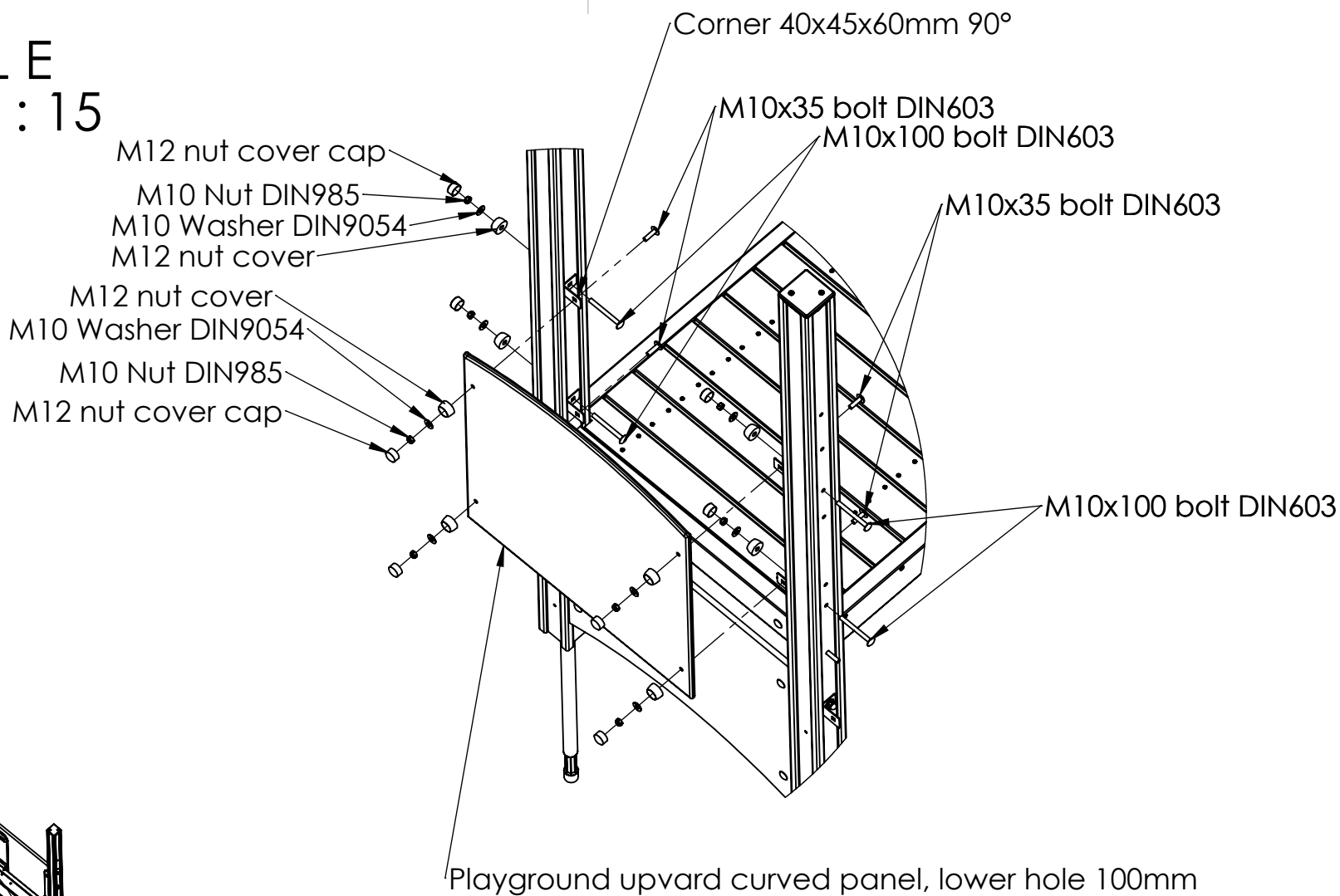
**Tiptaptap** OÜ  
Tiptaptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa


MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:60
		SHEET 16 OF 39

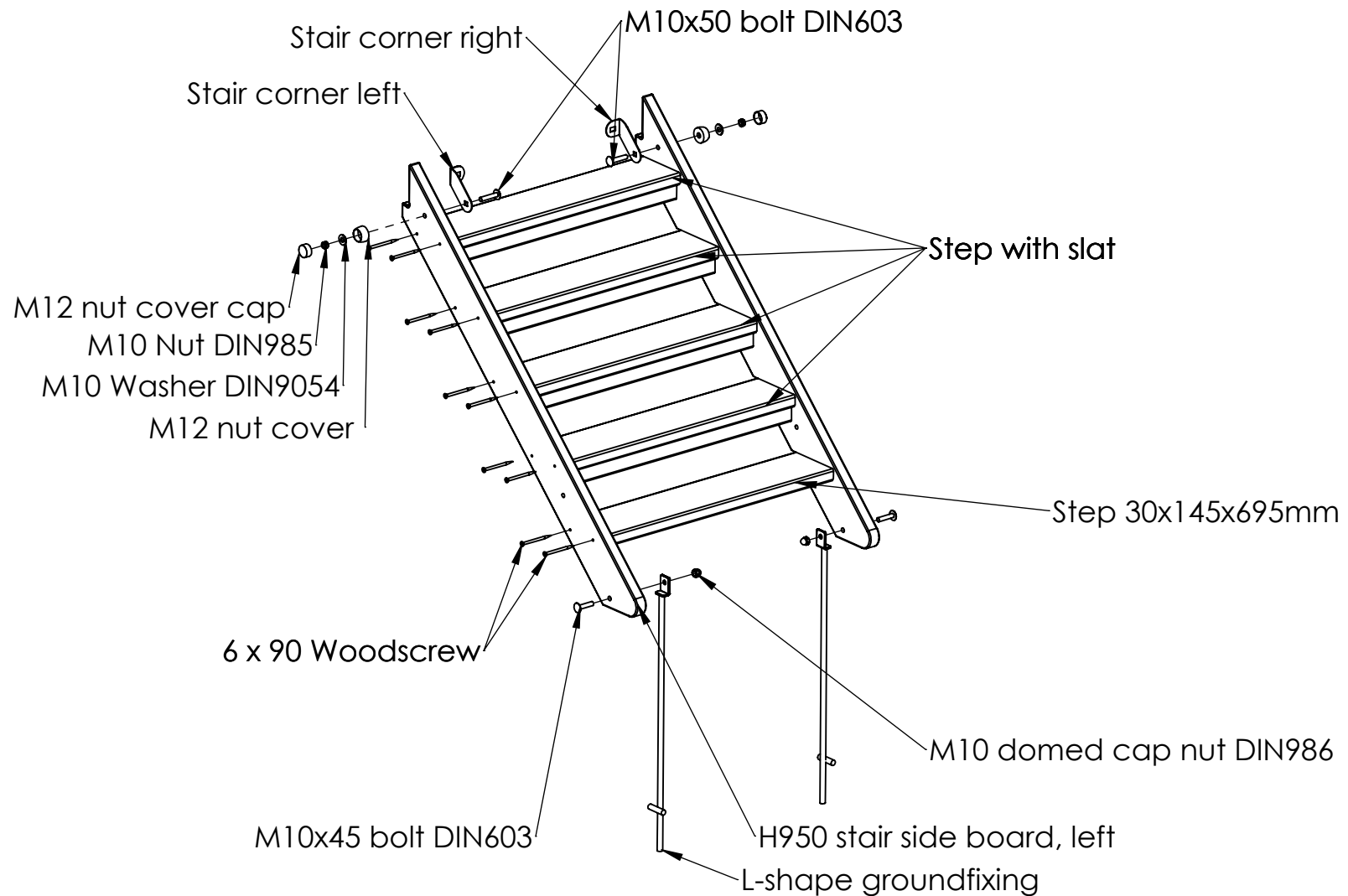


# DETAIL E

## SCALE 1 : 15



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Tiptaptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	A4
					SCALE: 1:60	SHEET 17 OF 39



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

PART NUMBER / DWG NO.:  
**MM102**

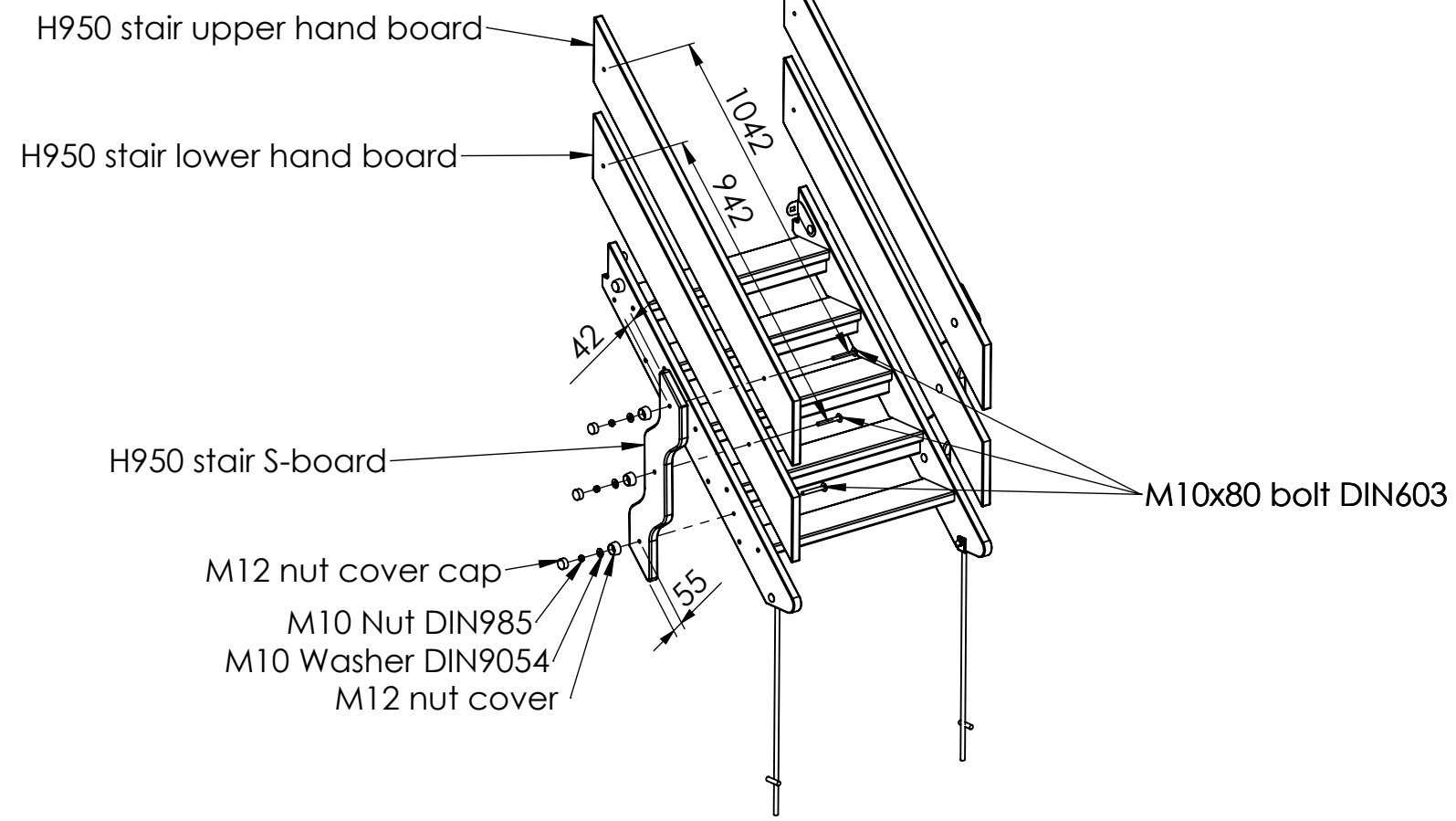
	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:15
		SHEET 18 OF 39



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

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				



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

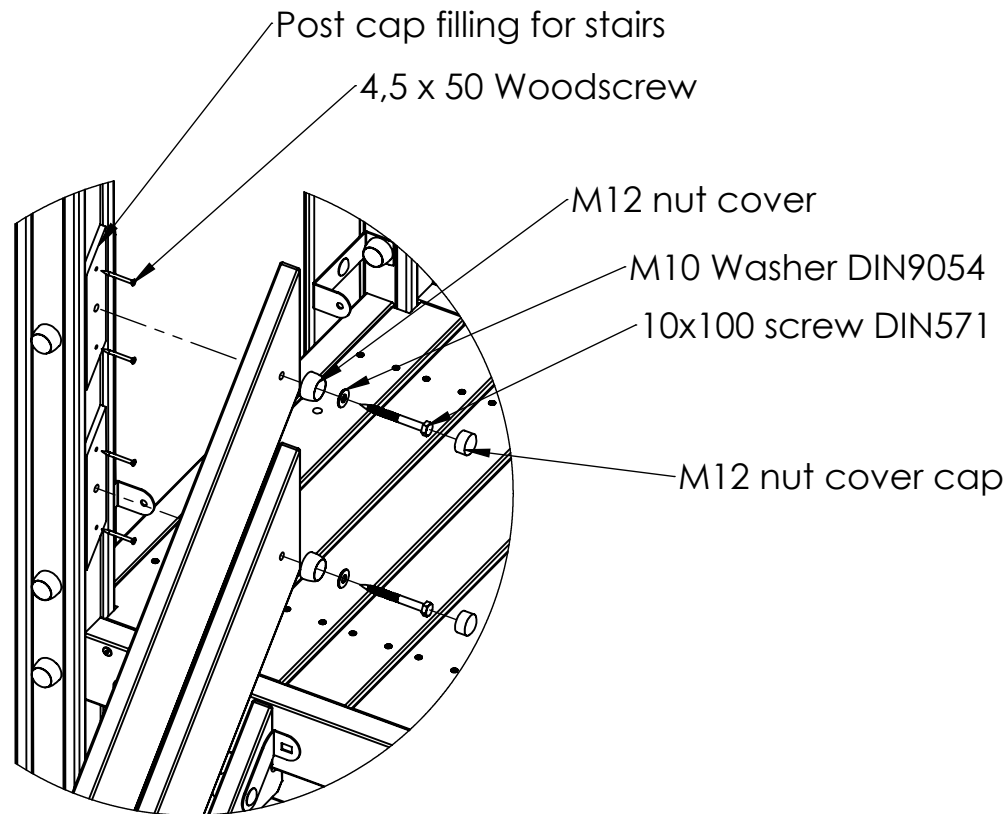
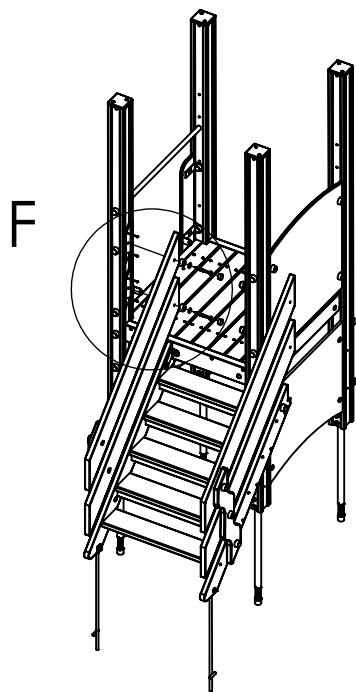
PART NUMBER / DWG NO.: **MM102**

DESCRIPTION:  
**Playtrain Locomotive**

MATERIAL: wood, metal, plastic

WEIGHT: SCALE: 1:20 SHEET 19 OF 39

# DETAIL F SCALE 1 : 10



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

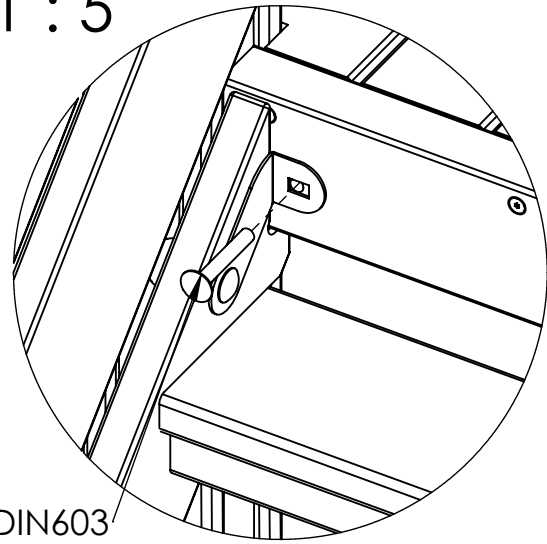
DESCRIPTION:  
**Playtrain Locomotive**



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

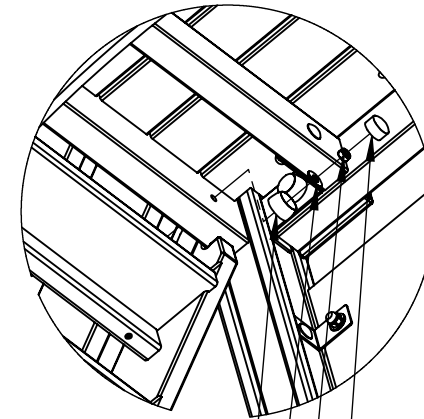
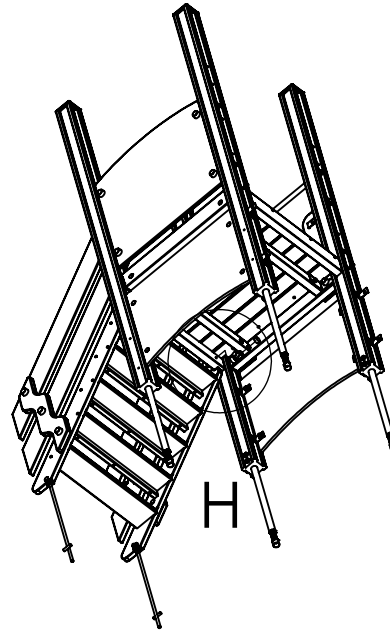
MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 20 OF 39

DETAIL G  
SCALE 1 : 5

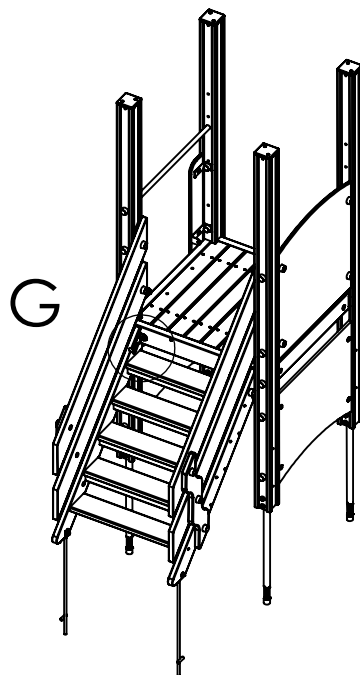


M10x65 bolt DIN603

DETAIL H  
SCALE 1 : 10



M12 nut cover cap  
M10 Nut DIN985  
M10 Washer DIN9054  
M12 nut cover



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

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

PART NUMBER / DWG NO.:  
**MM102**

DESCRIPTION:  
**Playtrain Locomotive**



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

MATERIAL: wood, metal, plastic

A4

WEIGHT: SCALE: 1:40 SHEET 21 OF 39

# DETAIL I SCALE 1 : 10

Slide corner 58x30 for screw

M8x35 bolt DIN603

5x40 Screw DIN7996

M8x16 DIN7380

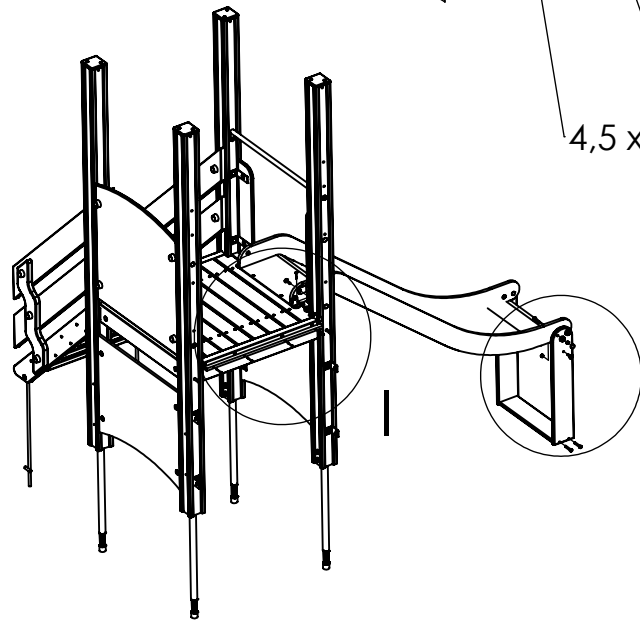
M8 nut cover

M8 Nut DIN985

M8 nut cover cap

Platform slat

4,5 x 50 Woodscrew



# DETAIL J SCALE 1 : 10

M8 nut cover cap

M8 Nut DIN985

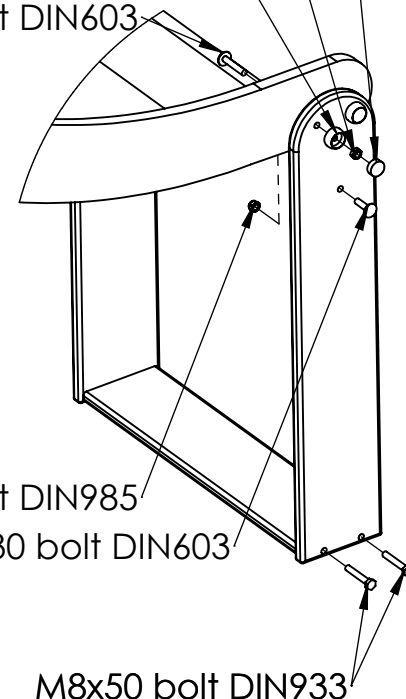
M8 nut cover

M8x45 bolt DIN603

M8 Nut DIN985

M8x30 bolt DIN603

M8x50 bolt DIN933



J

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

PART NUMBER / DWG NO.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:

Playtrain Locomotive

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

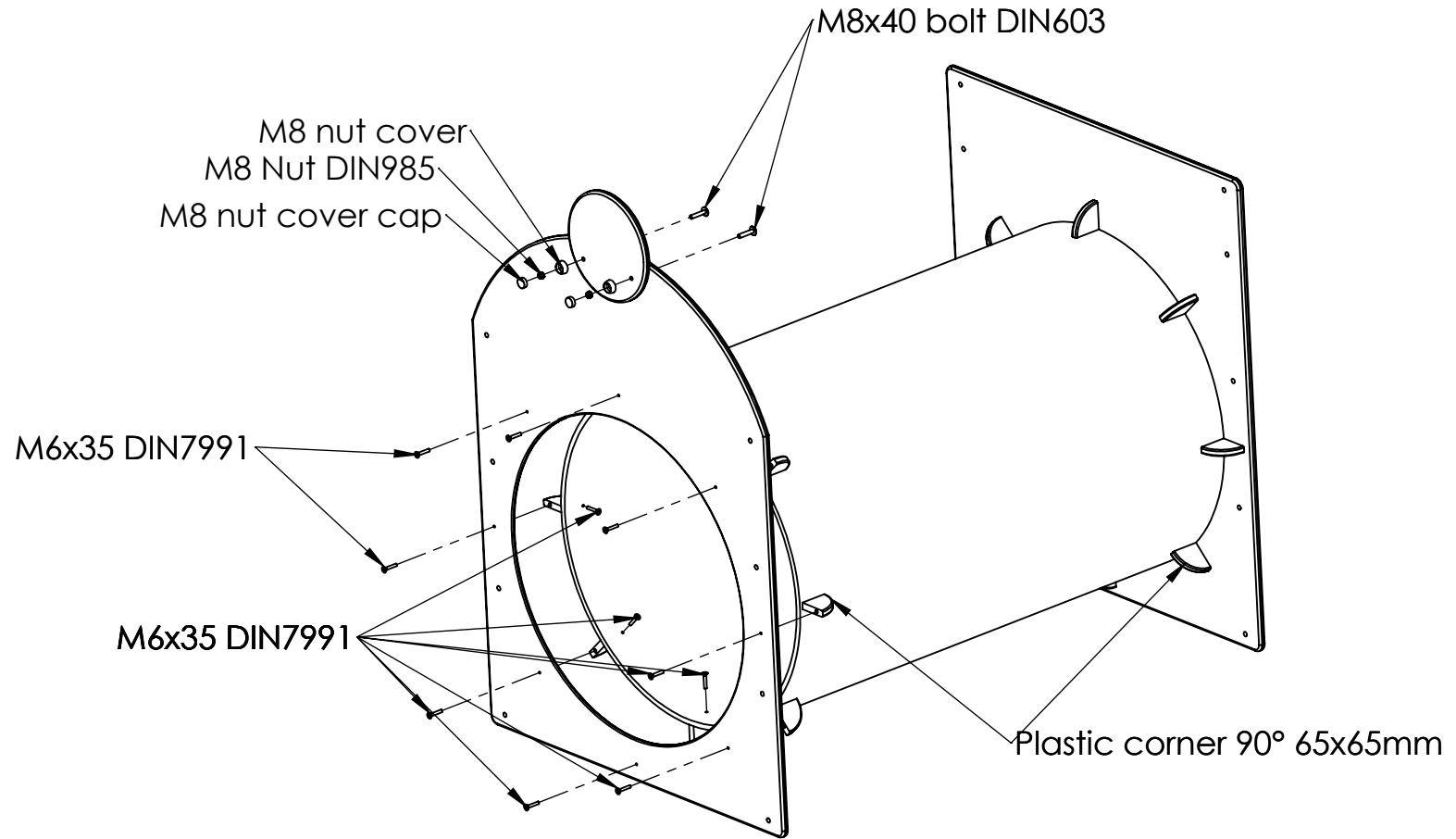
SCALE: 1:40

SHEET 22 OF 39



**Tiptiptap** OÜ

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



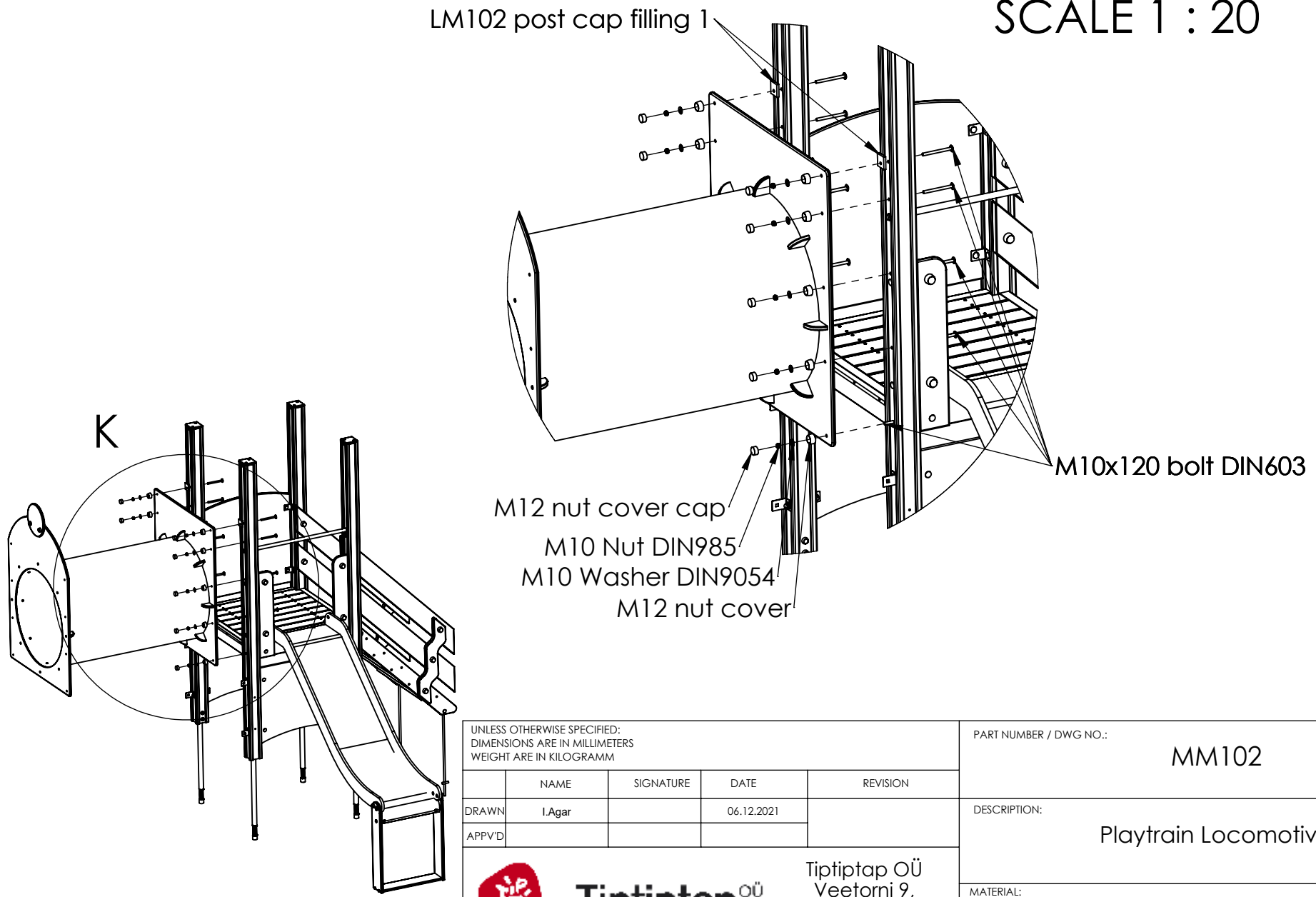
UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
WEIGHT ARE IN KILOGRAMM

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

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

PART NUMBER / DWG NO.:		MM102	
DESCRIPTION:			
Playtrain Locomotive			
MATERIAL:		wood, metal, plastic	A4
WEIGHT:		SCALE: 1:15	SHEET 23 OF 39

# DETAIL K SCALE 1 : 20



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

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

PART NUMBER / DWG NO.:  
**MM102**

DESCRIPTION:  
**Playtrain Locomotive**

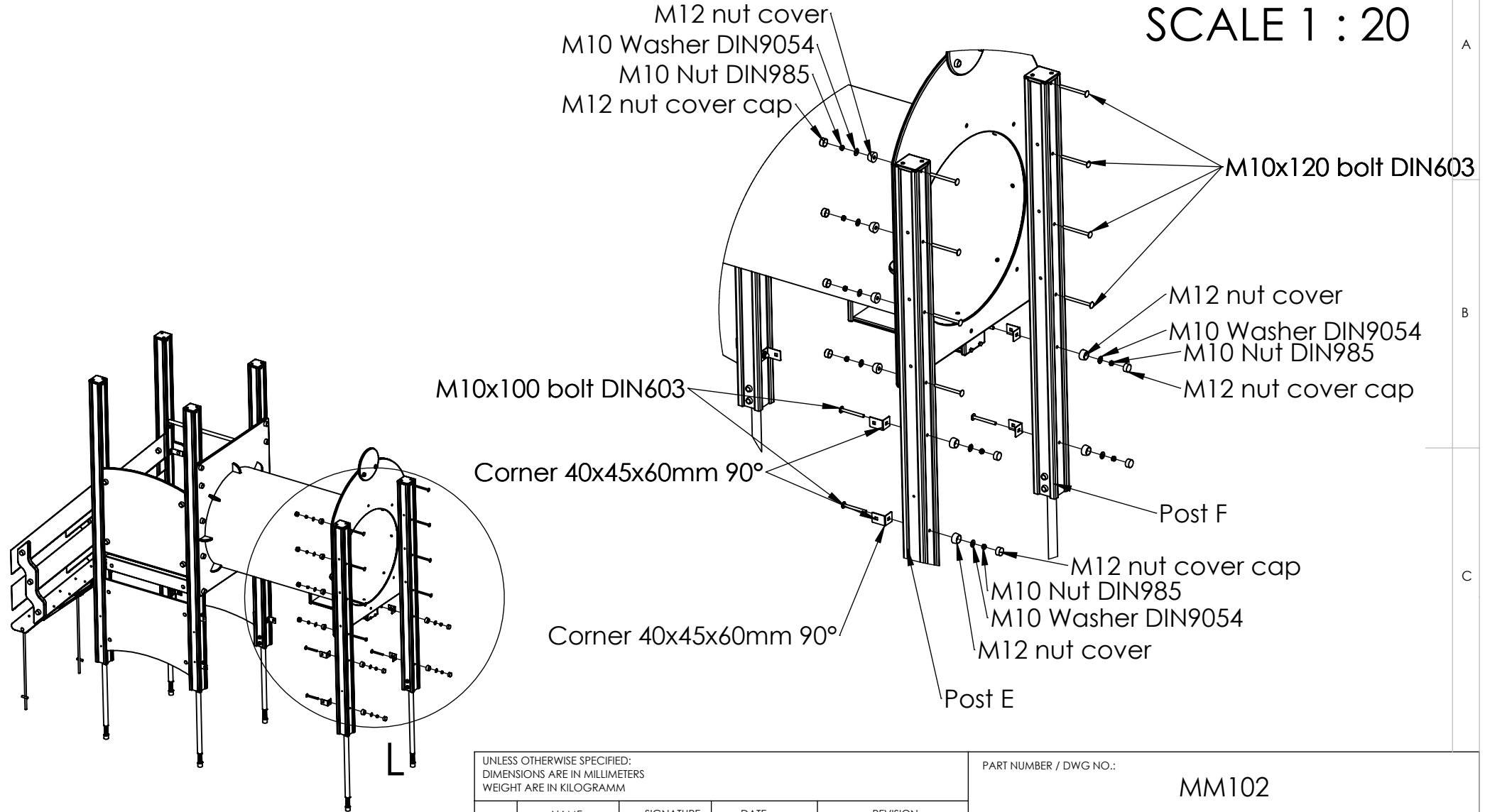


**Tiptaptap** OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 24 OF 39



# DETAIL L SCALE 1 : 20



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



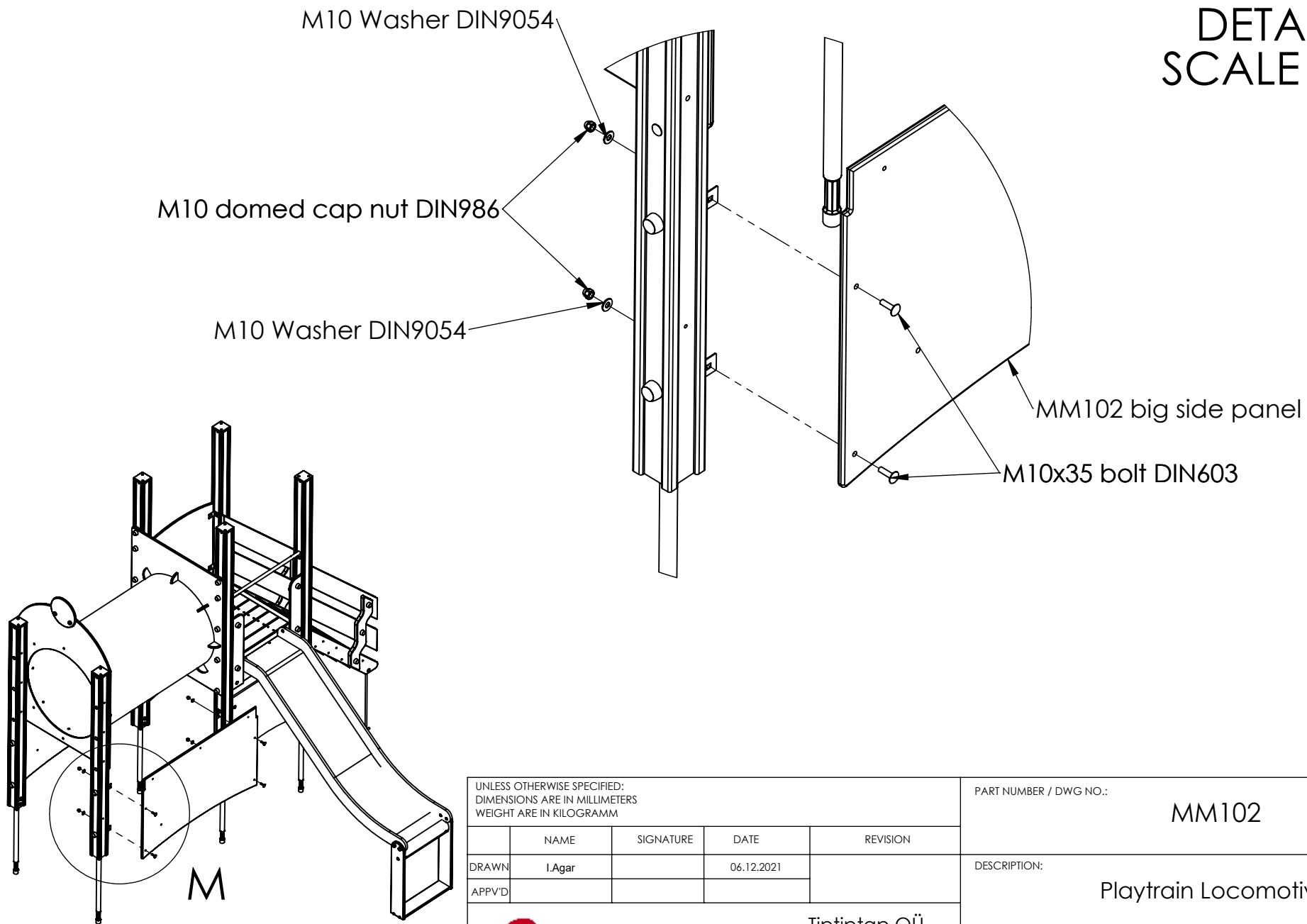
**Tiptaptap** OÜ  
Tiptaptap OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa


MATERIAL:  
wood, metal, plastic

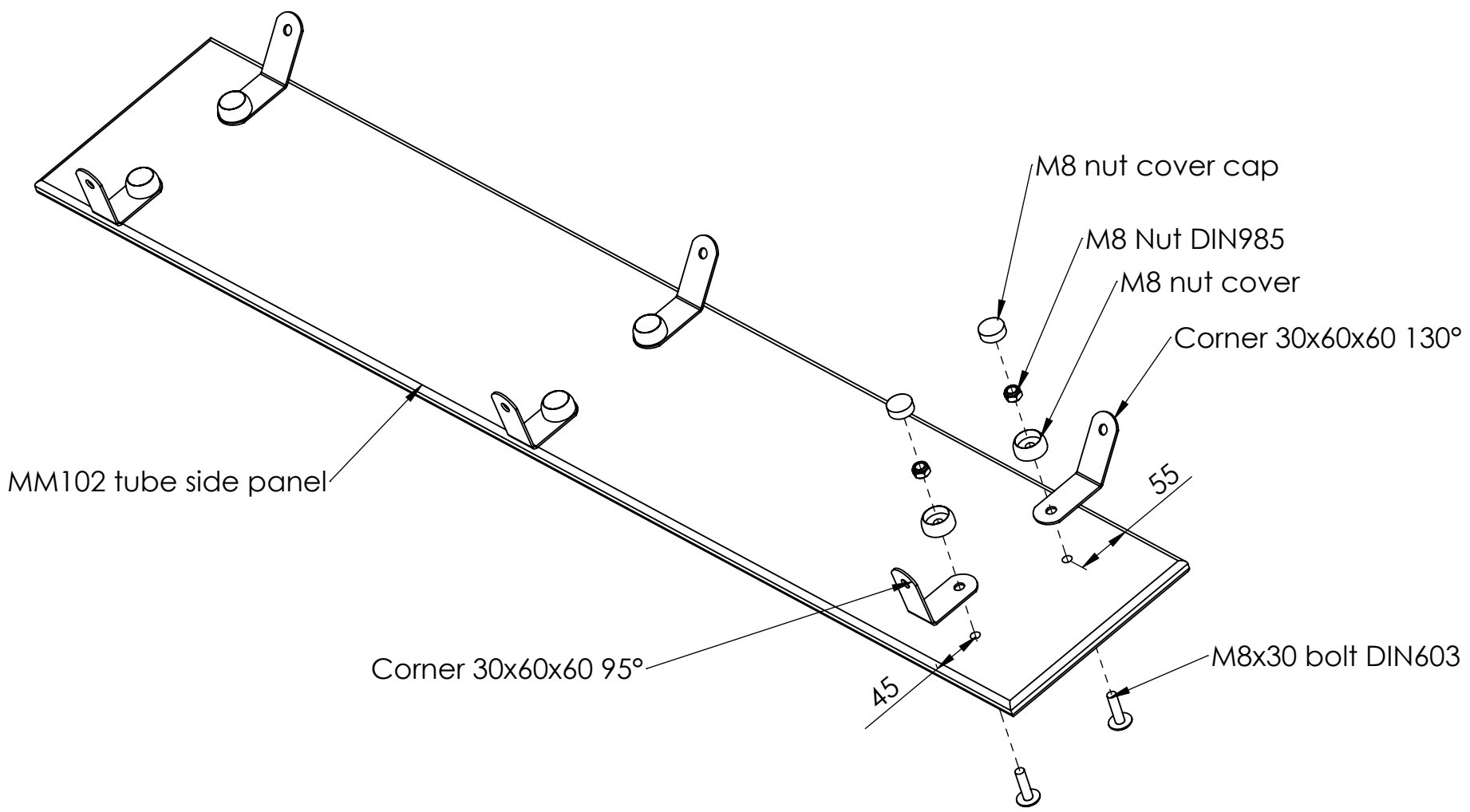
A4

WEIGHT: SCALE: 1:40 SHEET 25 OF 39

# DETAIL M SCALE 1 : 10



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Tiptaptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	A4
					SCALE: 1:40	SHEET 26 OF 39



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



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

MATERIAL: wood, metal, plastic

A4

WEIGHT: SCALE: 1:5 SHEET 27 OF 39

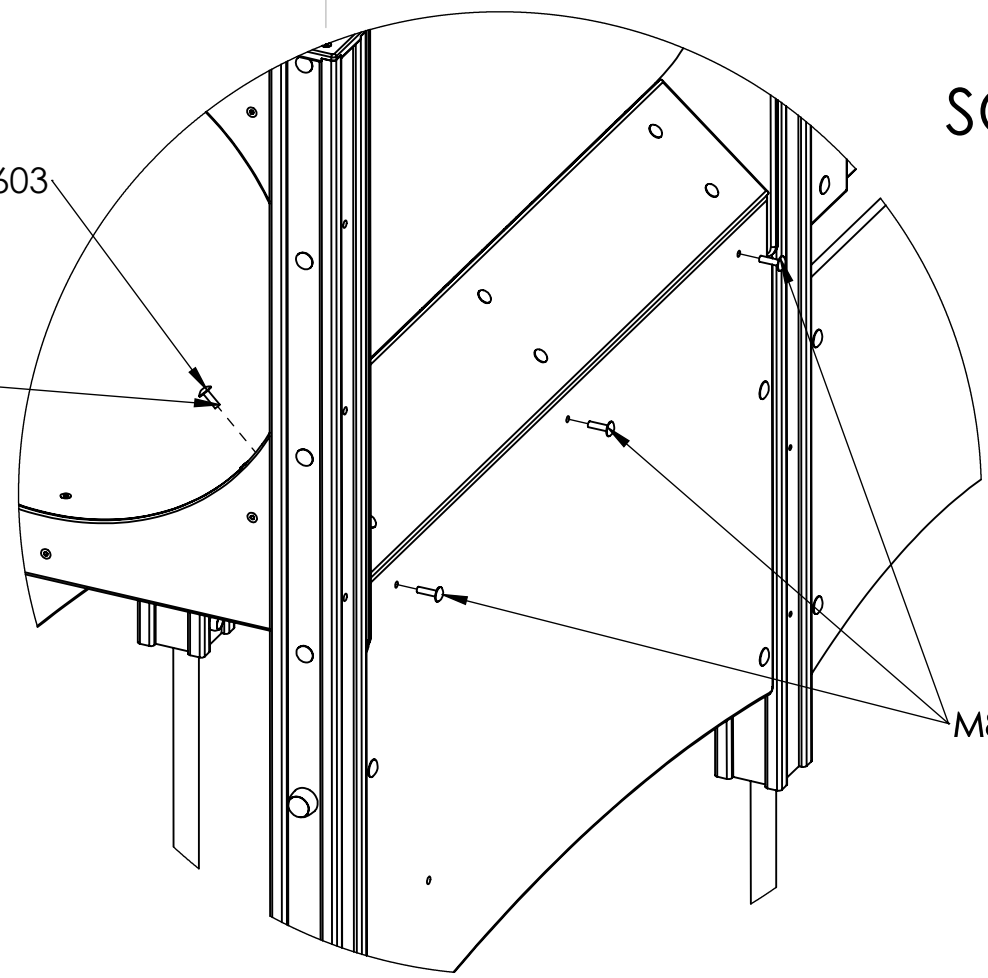
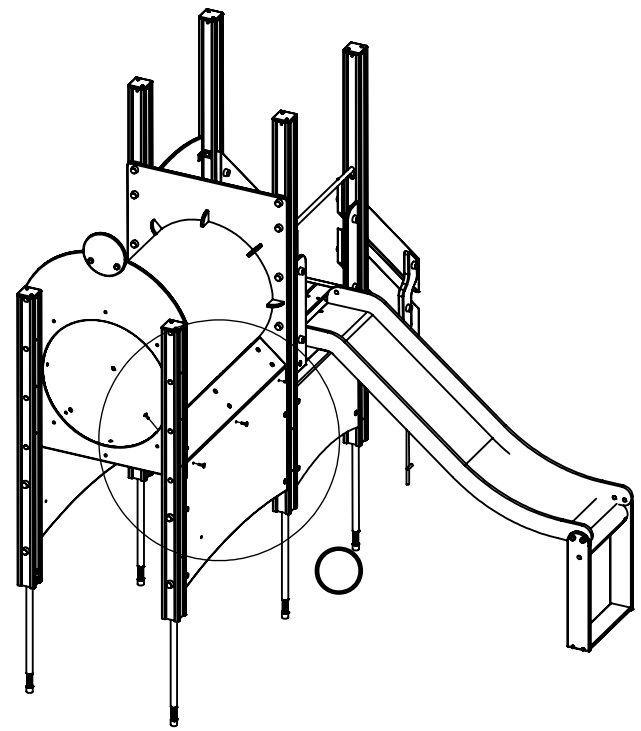
8mm holes must be drilled in the pipe during installation. the side plastic of the pipe must be adjusted so that there is no gap between the pipe and the plate

M8x25 bolt DIN603

# DETAIL O

## SCALE 1 : 10

M8x30 bolt DIN603



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

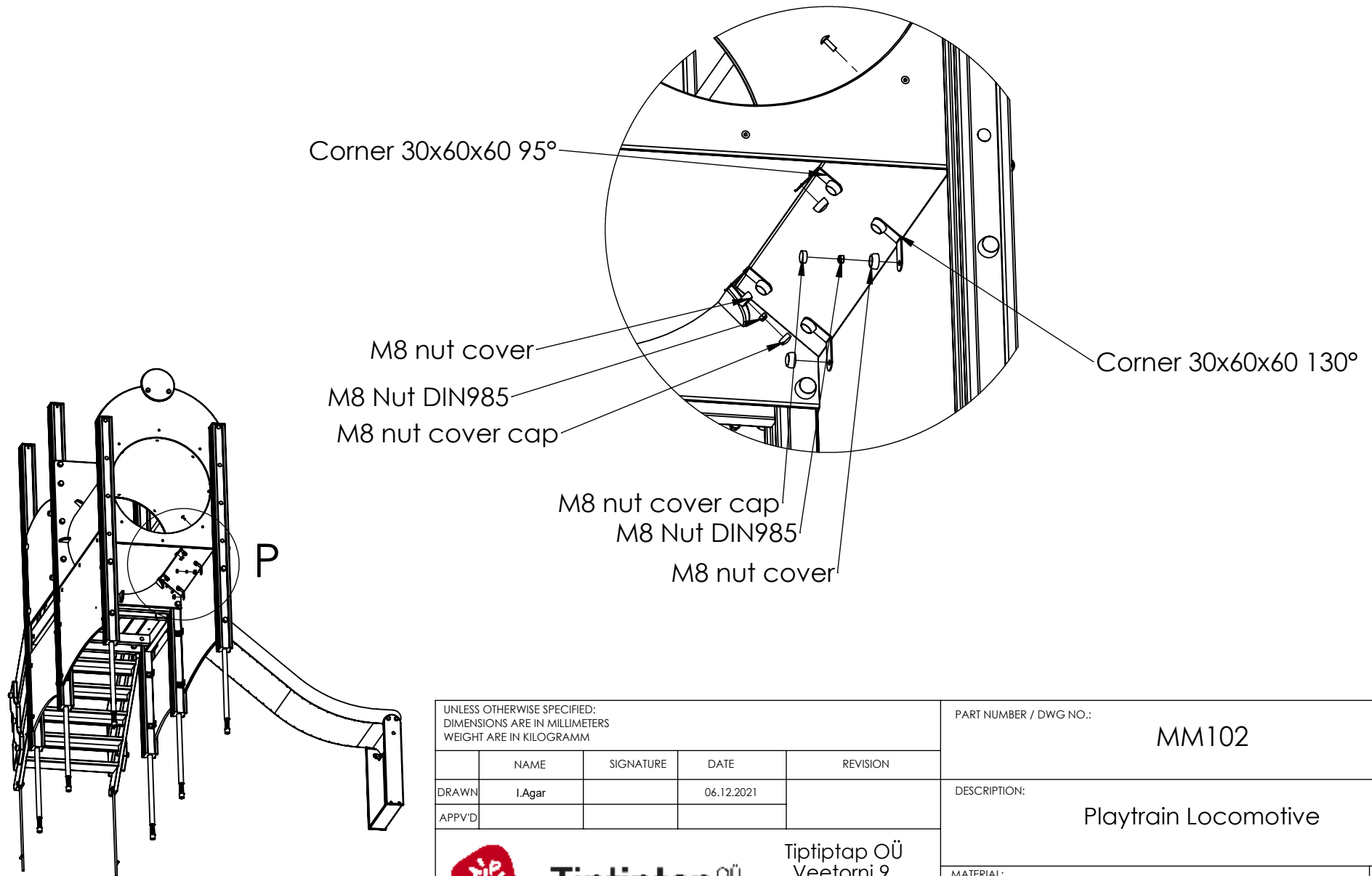
DESCRIPTION:  
**Playtrain Locomotive**




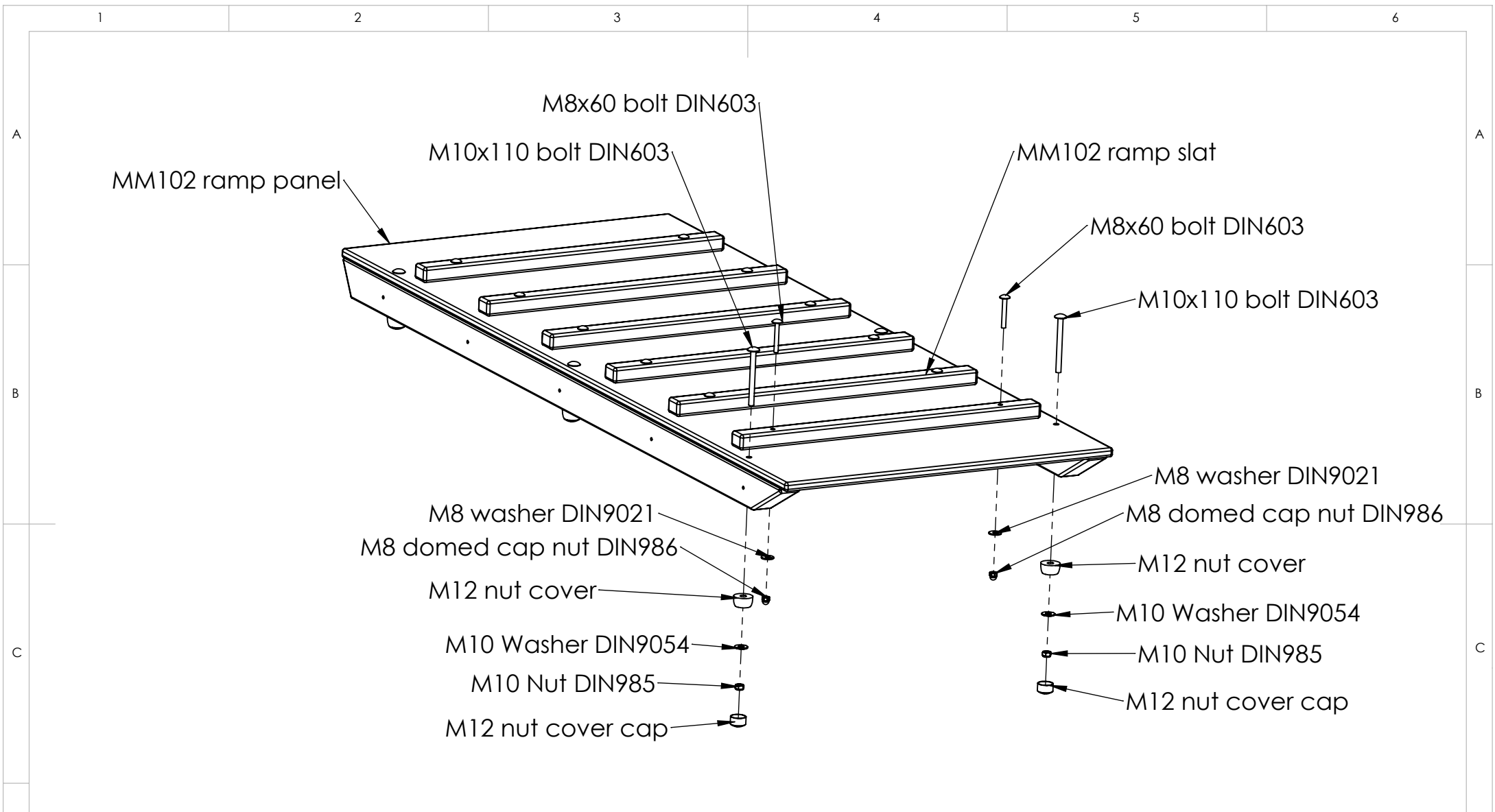
**Tiptaptap** OÜ  
Veetorni 9,  
Jüri alevik, Rae vald,  
75301 Harjumaa


MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 28 OF 39

# DETAIL P SCALE 1 : 10

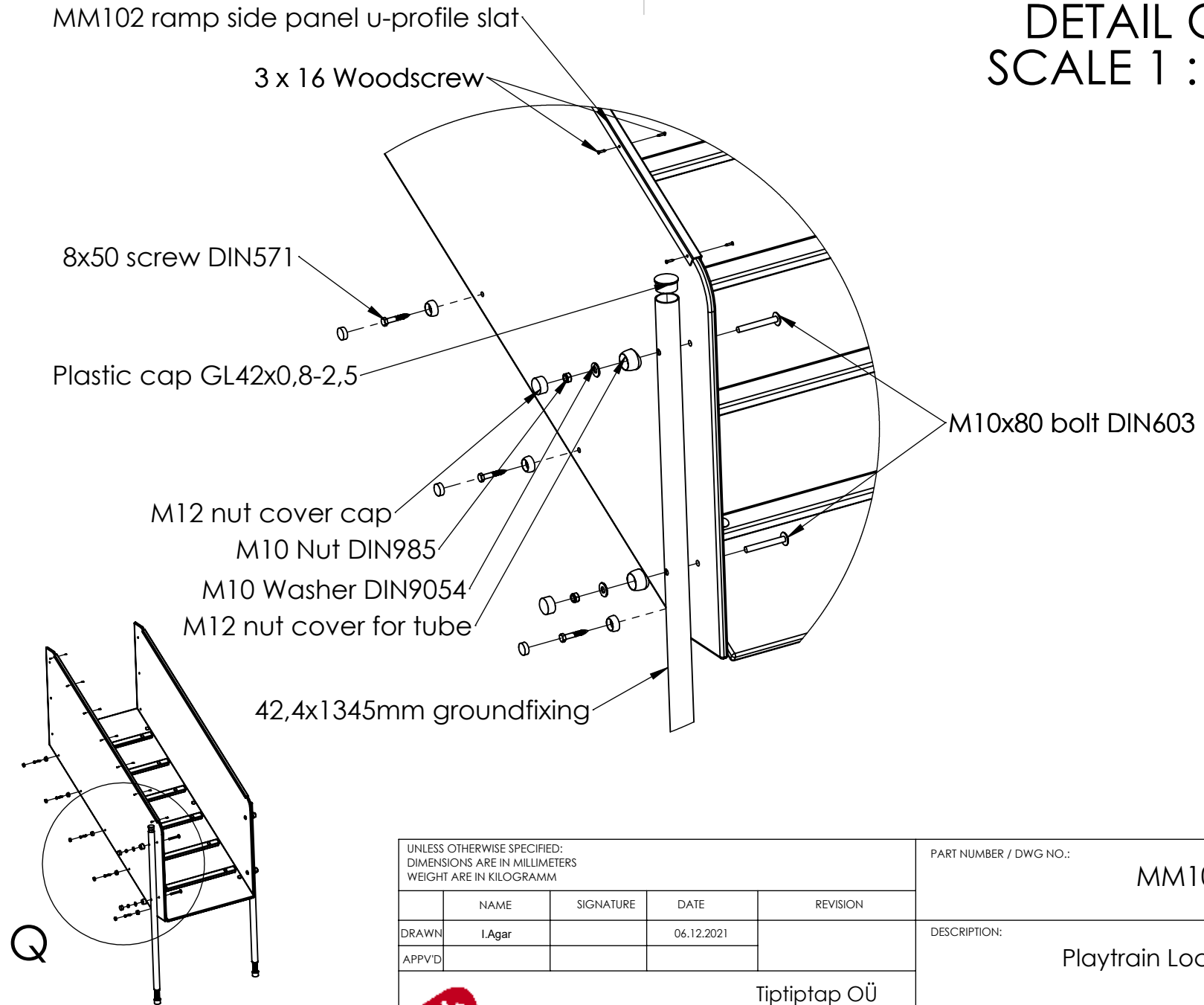


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Tiptaptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	SCALE: 1:40
					SHEET 29 OF 39	



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021		MATERIAL: wood, metal, plastic	
APPV'D					A4	
 <b>Tiptaptap</b> OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					WEIGHT:	
					SCALE: 1:10	
					SHEET 30 OF 39	

# DETAIL Q SCALE 1 : 10



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

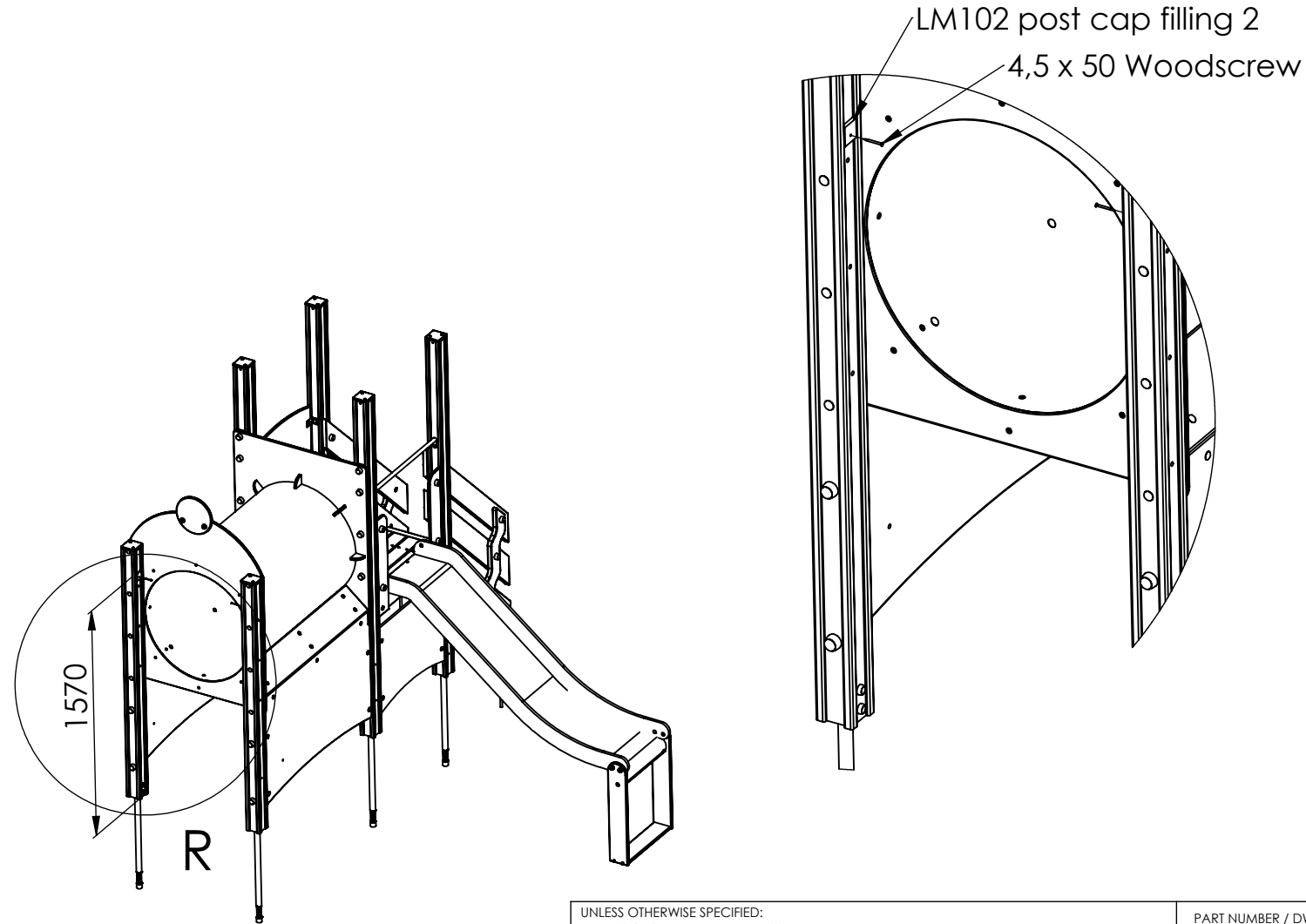
DESCRIPTION:  
**Playtrain Locomotive**




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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 31 OF 39

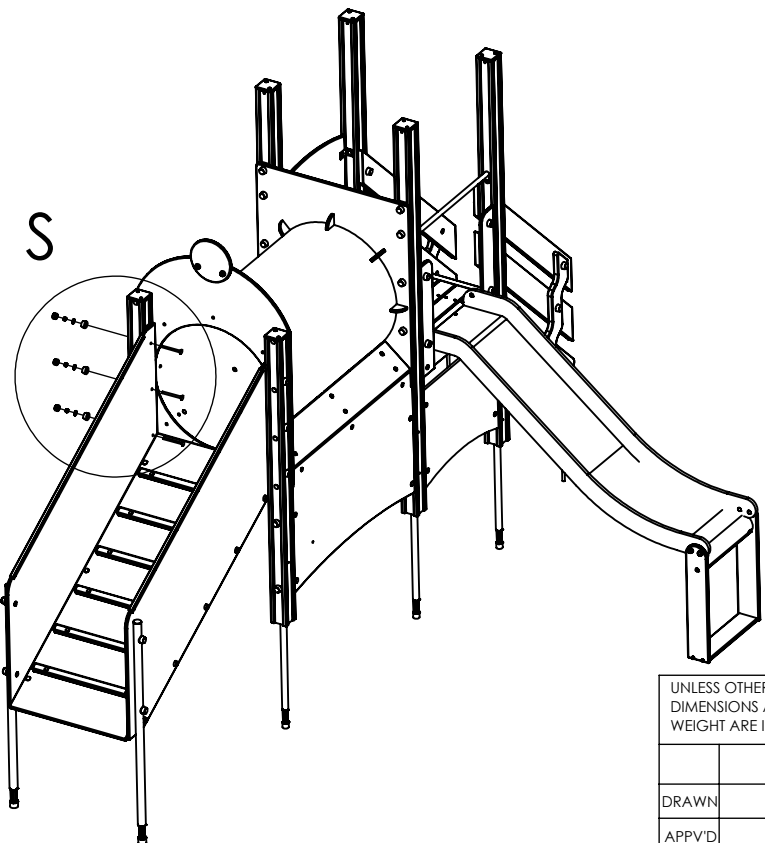
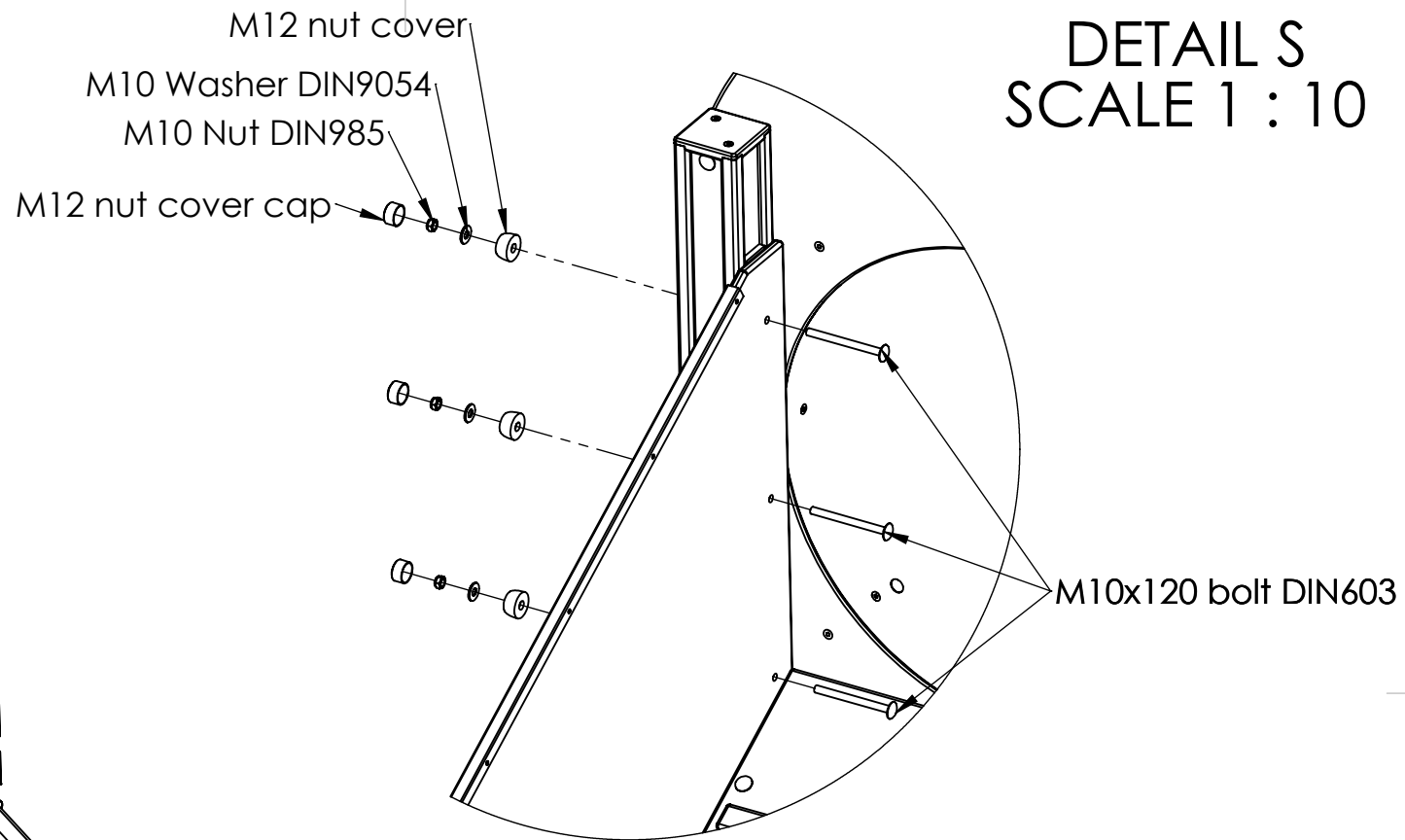
# DETAIL R SCALE 1 : 15



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021			
APPV'D						
 <b>Tiptaptap</b> OÜ Tiptaptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					MATERIAL:	wood, metal, plastic
					WEIGHT:	SCALE: 1:40
					SHEET 32 OF 39	



# DETAIL S SCALE 1 : 10



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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 33 OF 39

1 2 3 4 5 6

A

A

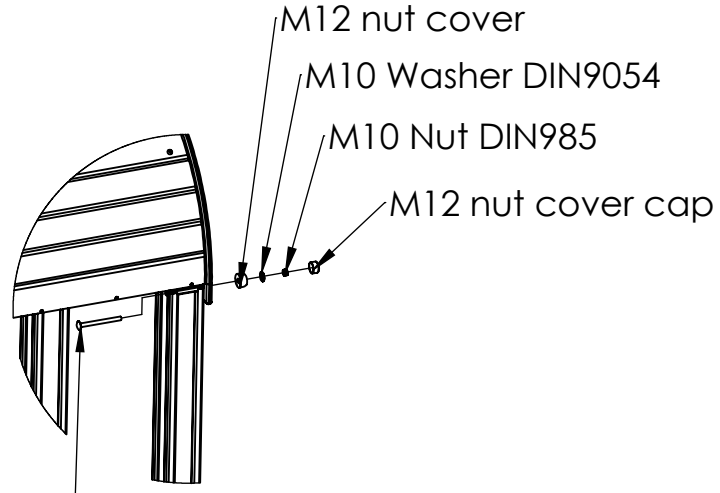
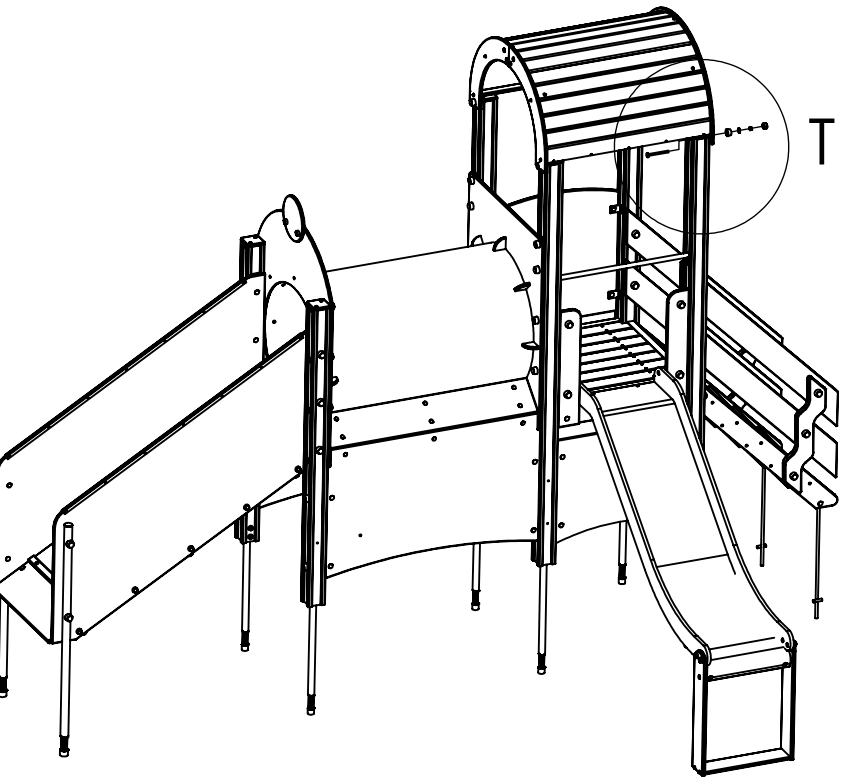
B

B

C

C

D



M10x120 bolt DIN603

DETAIL T  
SCALE 1 : 20

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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:		SCALE: 1:40
		SHEET 34 OF 39

1 2

# DETAIL U SCALE 1 : 20

MM102 wheel distance circle

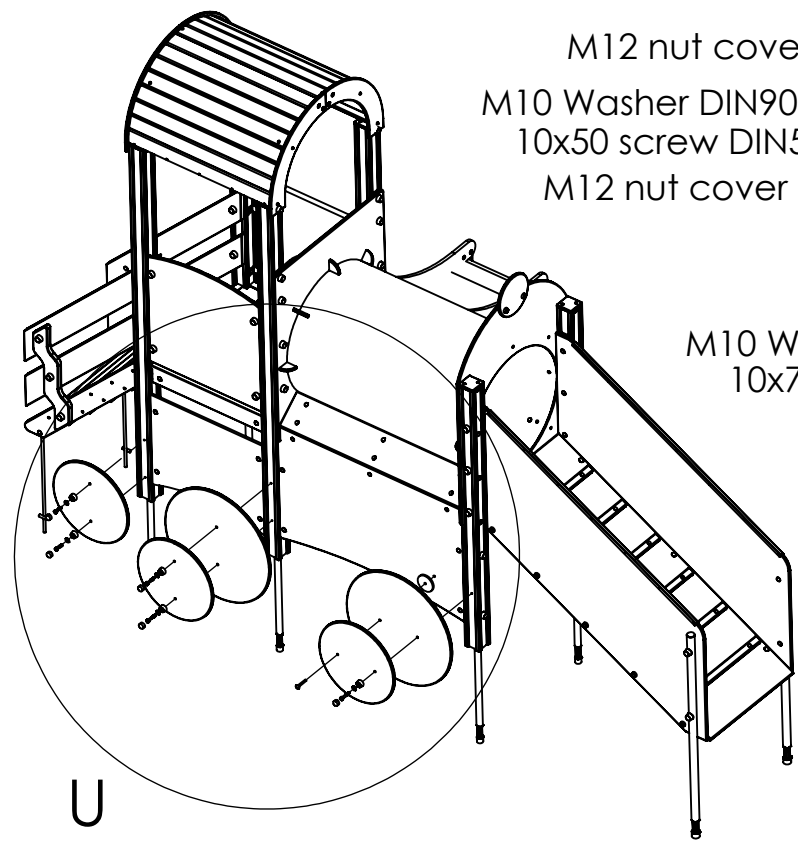
M12 nut cover  
M10 Washer DIN9054  
10x50 screw DIN571  
M12 nut cover cap


M10 Washer DIN9054  
10x70 screw DIN571

M12 nut cover cap  
M12 nut cover

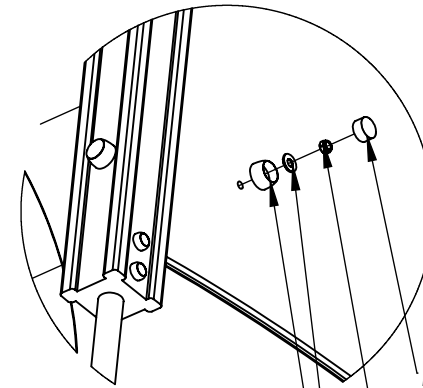
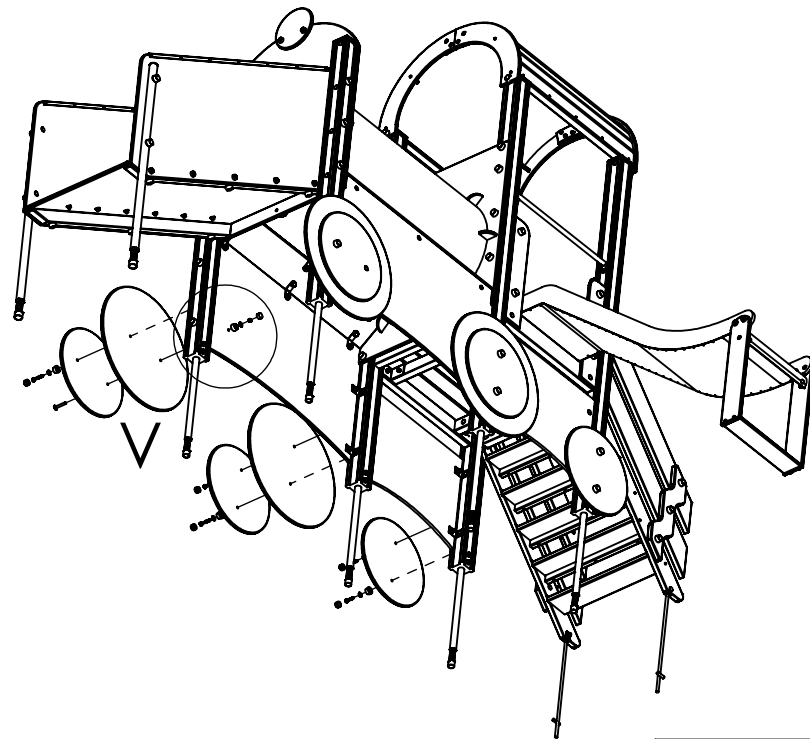
M12 nut cover  
M10 Washer DIN9054  
10x70 screw DIN571  
M12 nut cover cap

M10x70 bolt DIN603



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS WEIGHT ARE IN KILOGRAMM					PART NUMBER / DWG NO.: <b>MM102</b>	
	NAME	SIGNATURE	DATE	REVISION	DESCRIPTION: <b>Playtrain Locomotive</b>	
DRAWN	I.Agar		06.12.2021		MATERIAL: wood, metal, plastic	
APPV'D					A4	
 <b>Tiptaptap</b> OÜ Tiptaptap OÜ Veetorni 9, Jüri alevik, Rae vald, 75301 Harjumaa					WEIGHT: SCALE: 1:40	
					SHEET 35 OF 39	

# DETAIL V SCALE 1 : 10



- M12 nut cover cap
- M10 Nut DIN985
- M10 Washer DIN9054
- M12 nut cover

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

PART NUMBER / DWG NO.:  
**MM102**

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

DESCRIPTION:  
**Playtrain Locomotive**



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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:40	SHEET 36 OF 39

MF version!!!

A

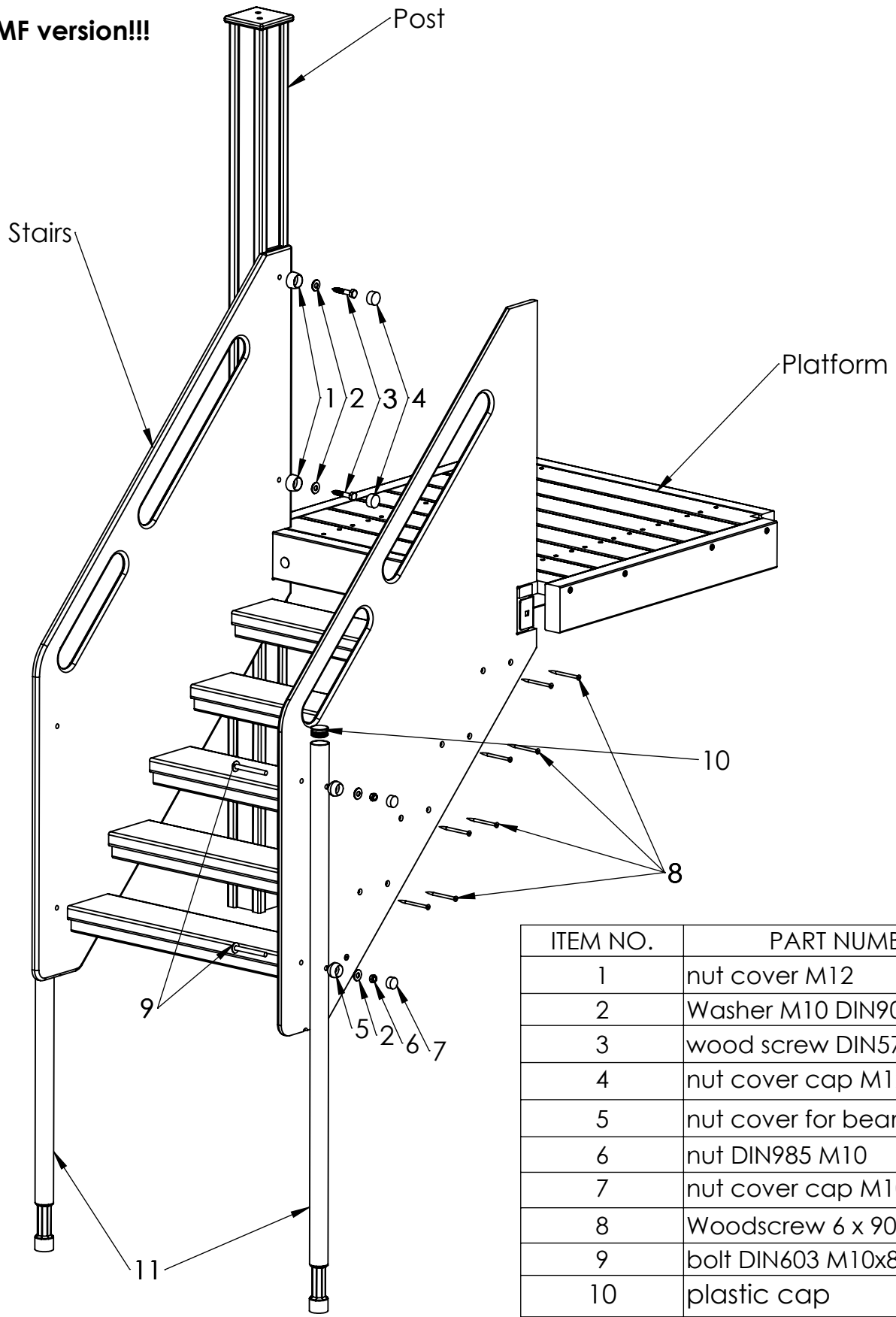
B

C

D

E

F



ITEM NO.	PART NUMBER
1	nut cover M12
2	Washer M10 DIN9054
3	wood screw DIN571 10x60
4	nut cover cap M12
5	nut cover for beam M10
6	nut DIN985 M10
7	nut cover cap M10
8	Woodscrew 6 x 90
9	bolt DIN603 M10x80
10	plastic cap
11	metal ground fixing L_1345

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

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar		06.12.2021	
APPV'D				

PART NUMBER / DWG NO.:  
**MM102**

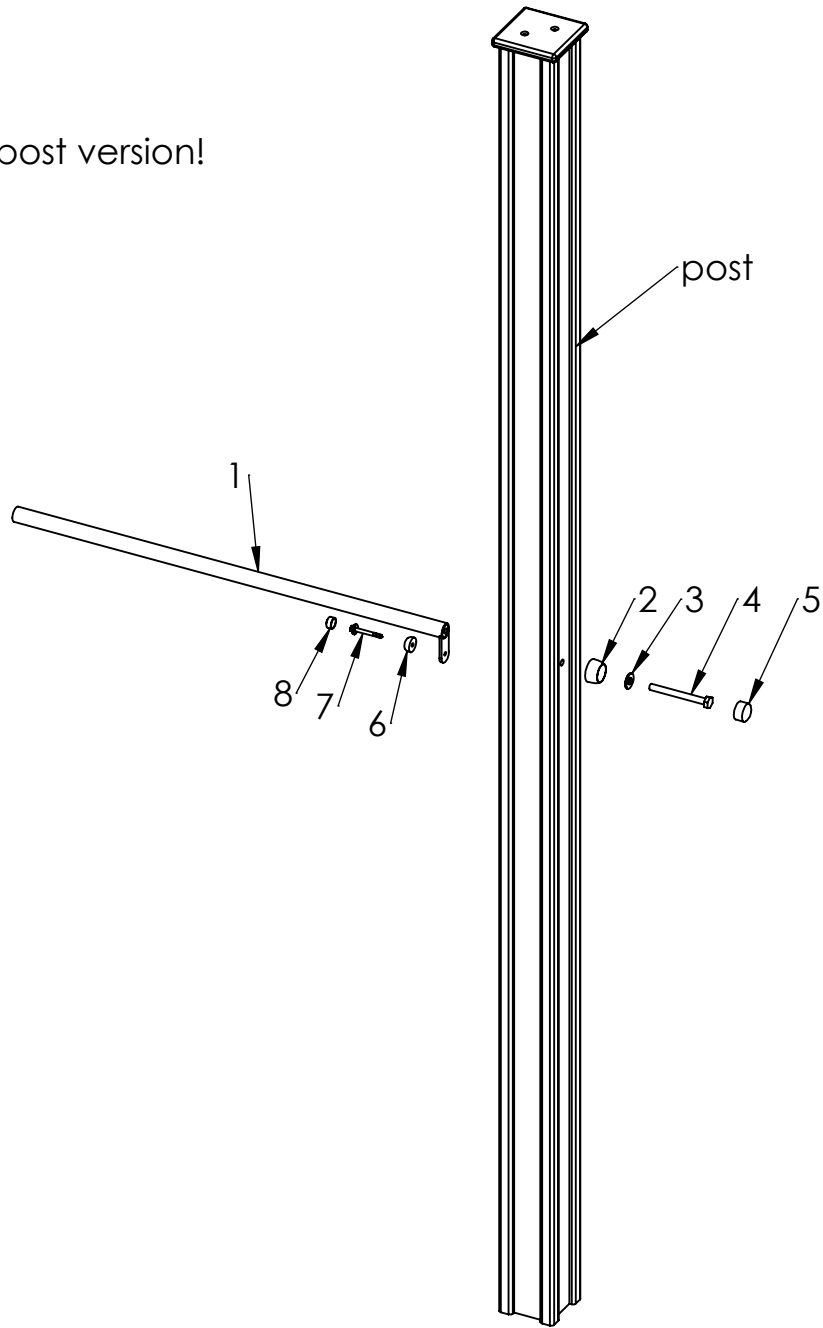
DESCRIPTION:  
**Playtrain Locomotive**  
**Connecting stairs to platform**



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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:13	SHEET 37 OF 39

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.:

MM102

	NAME	SIGNATURE	DATE	REVISION
DRAWN	I.Agar			
APPV'D				

DESCRIPTION:

Playtrain Locomotive  
connecting guardrail to post

MATERIAL:

wood, metal, plastic

A4

WEIGHT:

SCALE: 1:12

SHEET 38 OF 39



**Tiptiptap** OÜ

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

A

Wood post version!

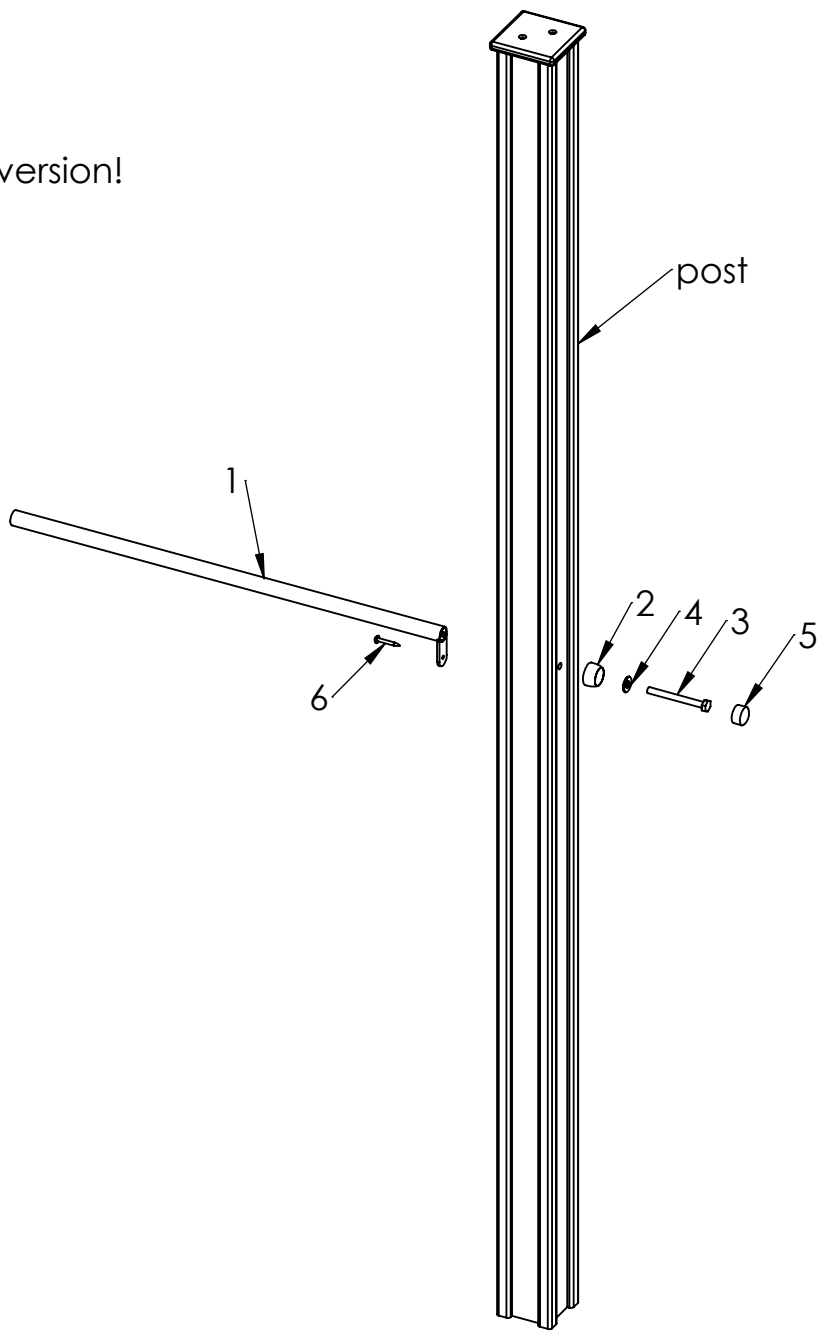
B

C

D

E

F



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.:  
**MM102**

DESCRIPTION:  
**Playtrain Locomotive  
 connecting guardrail to post**



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

MATERIAL:	wood, metal, plastic	A4
WEIGHT:	SCALE: 1:12	SHEET 39 OF 39