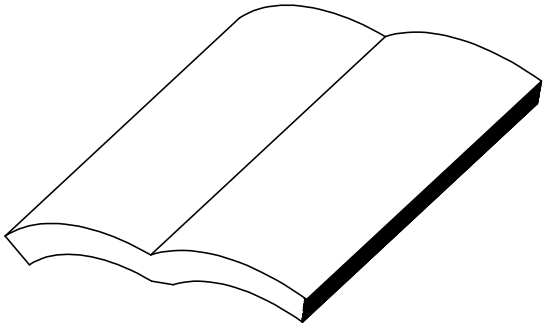
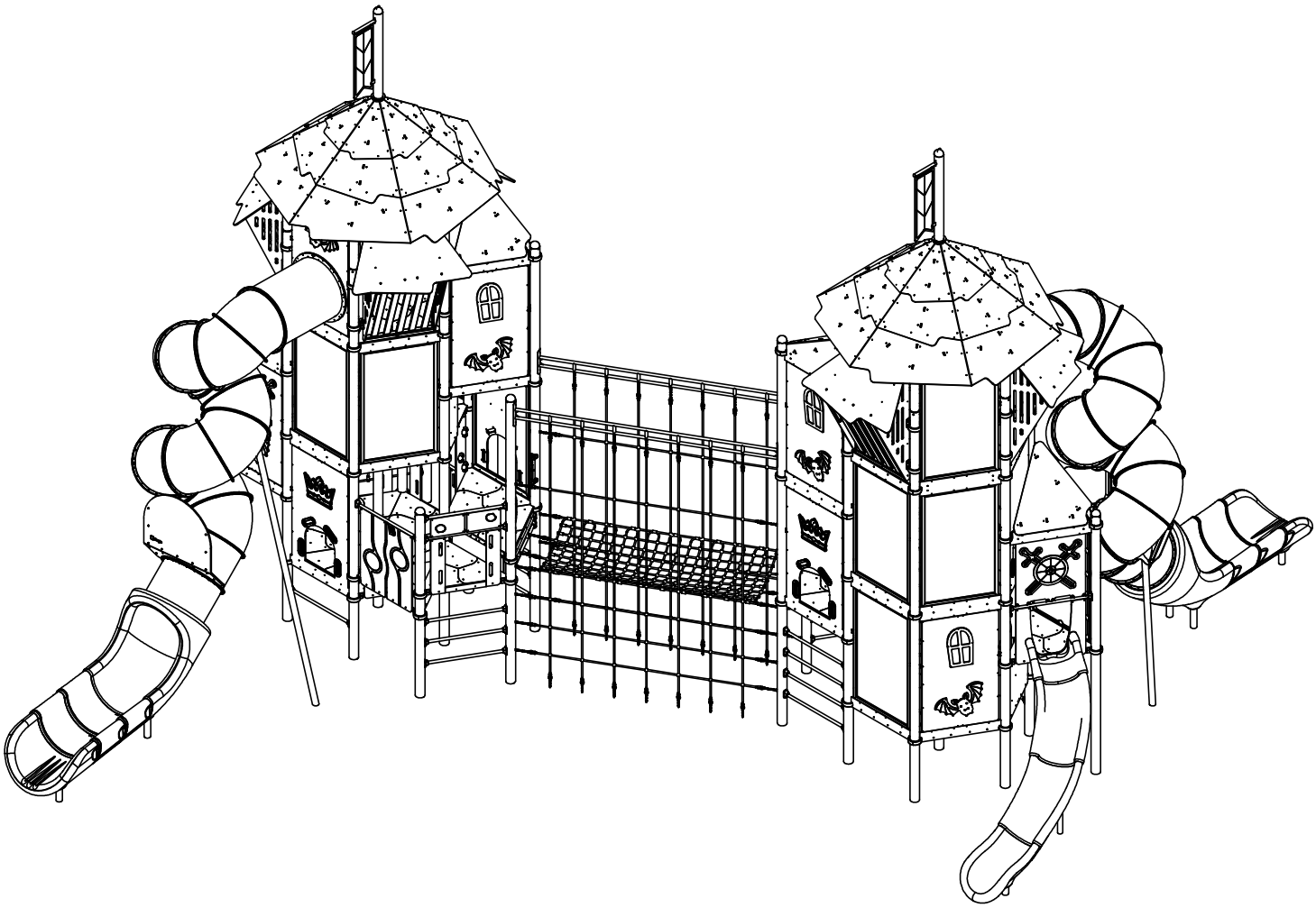
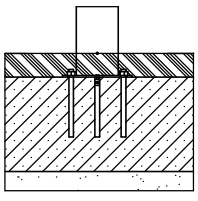
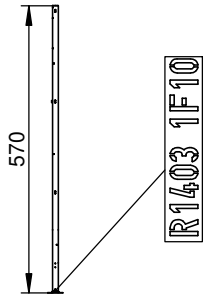
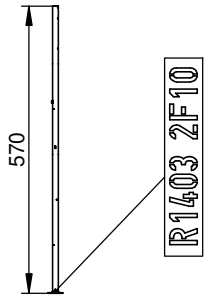
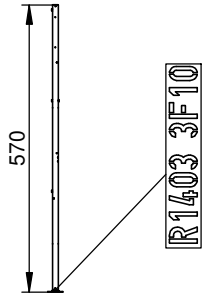
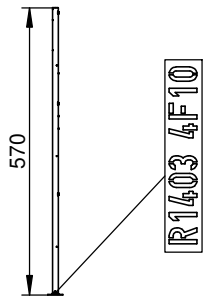
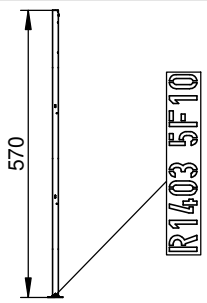
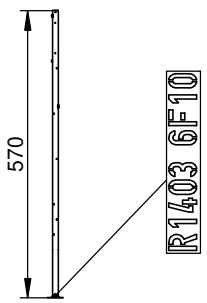


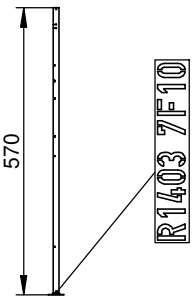
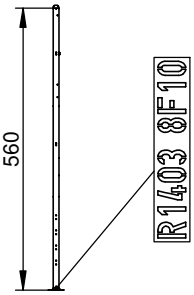
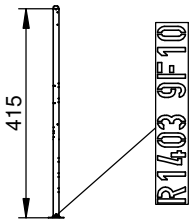
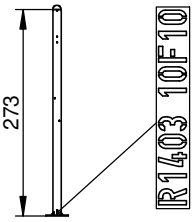
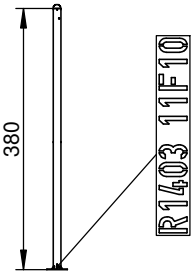
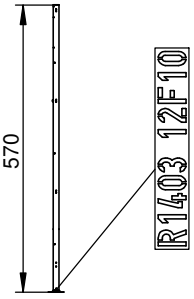
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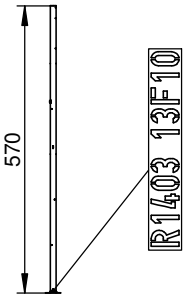
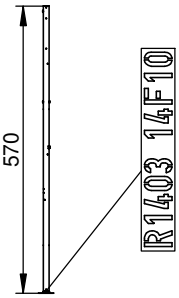
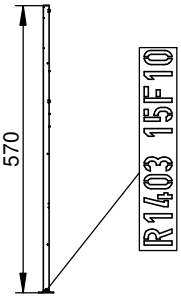
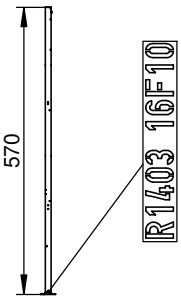
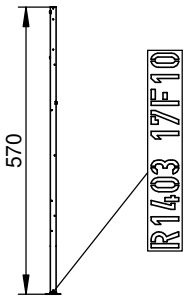
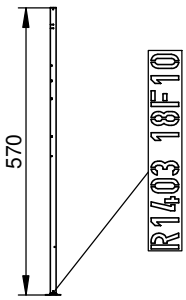


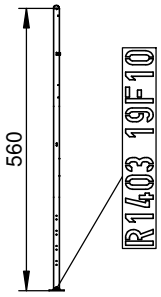
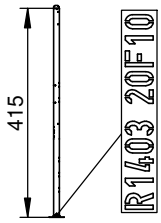
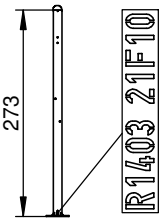
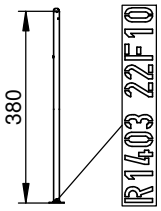
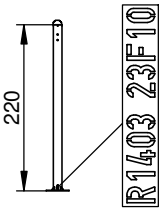
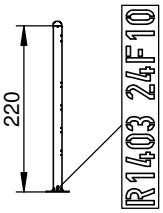


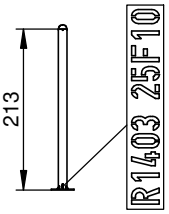
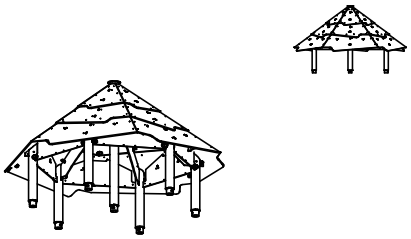
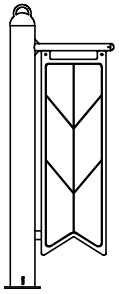
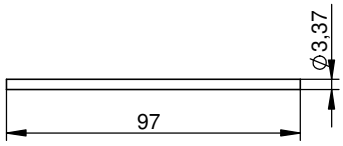
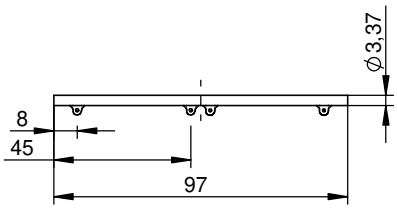
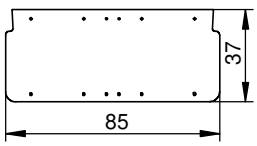
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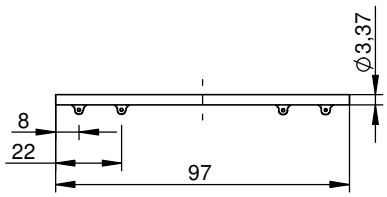
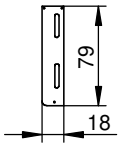
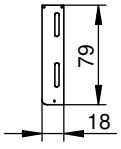
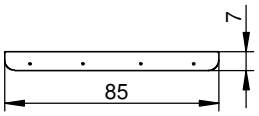
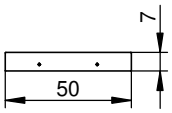
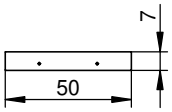
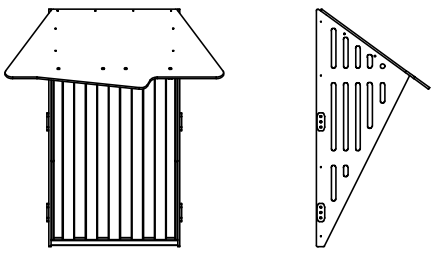
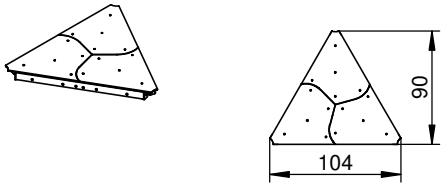
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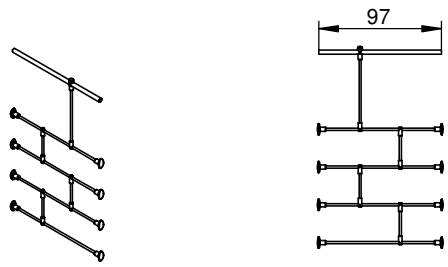
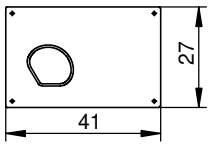
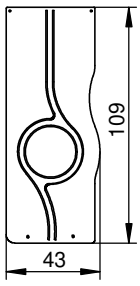
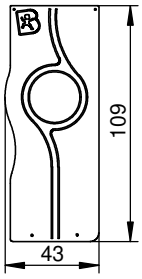
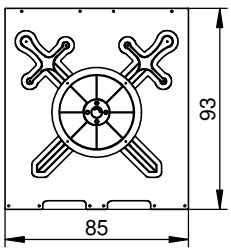
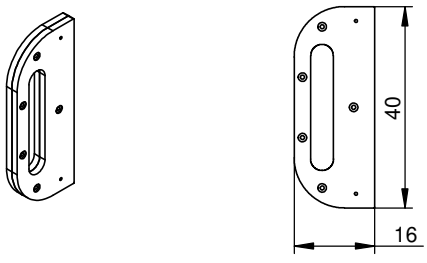
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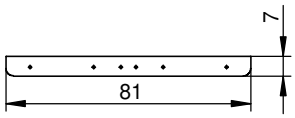
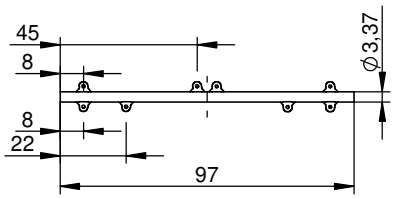
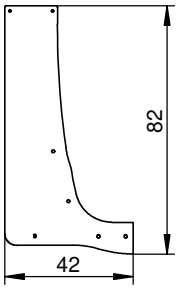
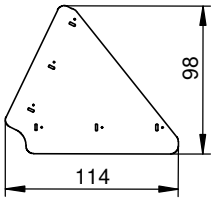
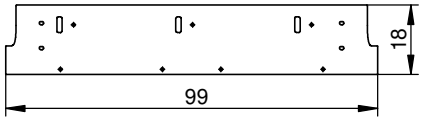
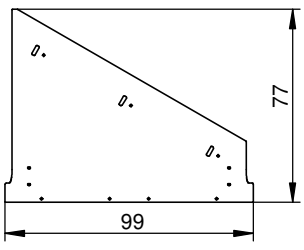
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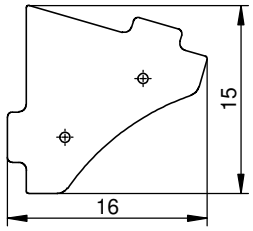
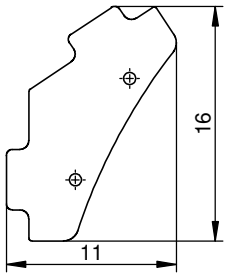
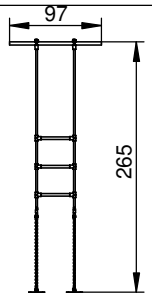
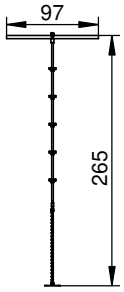
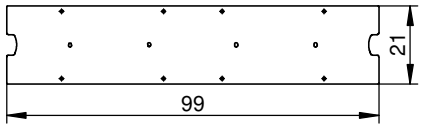
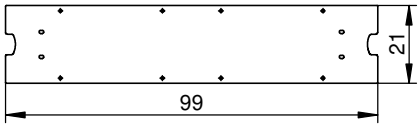
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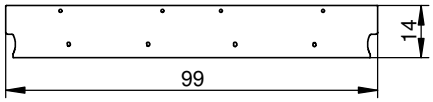
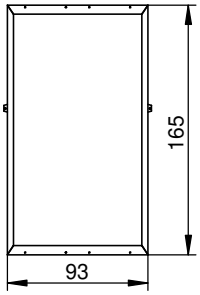
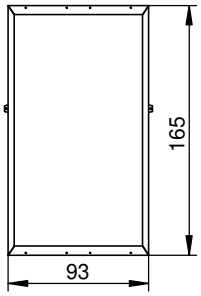
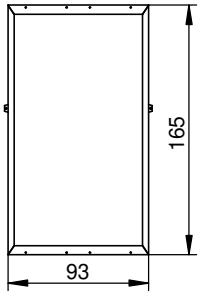
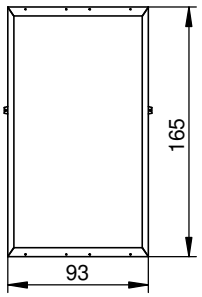
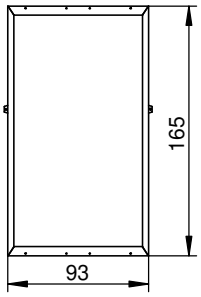
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E26		2
E27		2
E28		16
E29		4
E30		6

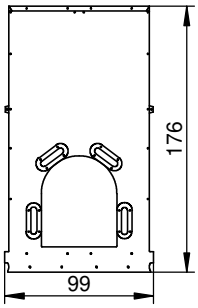
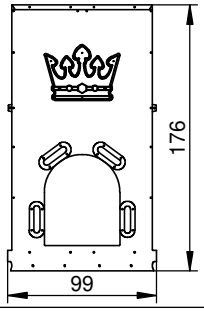
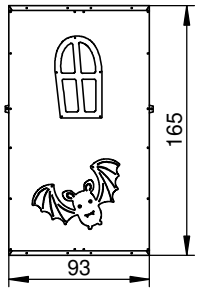
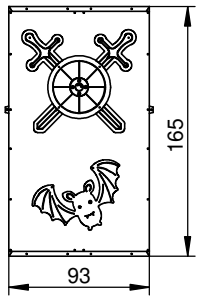
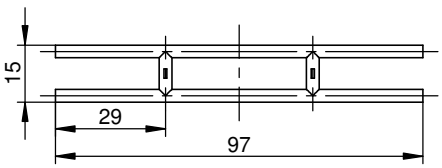
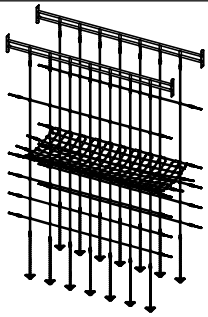
NR	ELEMENT	1403F10
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E32A		8
E32B		8
E33		2
E34A		4
E34B		4
E35		6
E36		46

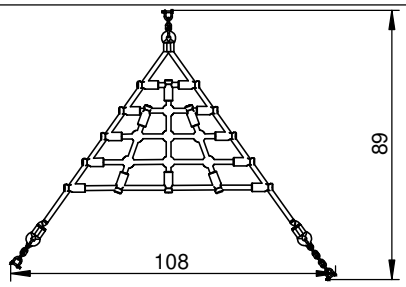
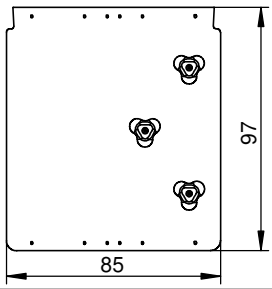
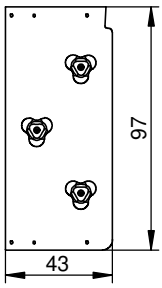
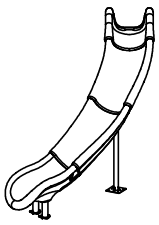
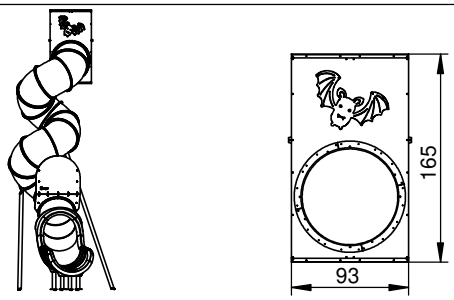
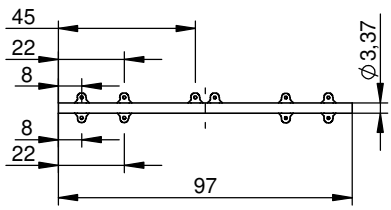
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E40		2
E41		1
E42		4

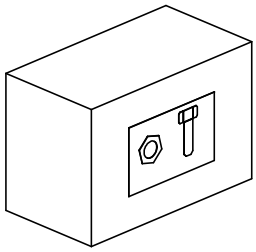
NR	ELEMENT	1403F10
E43		34
E44		2
E45		2
E46		4
E47		4
E48		4

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E49		12
E50		12
E51		2
E52		1
E53		8
E54		2

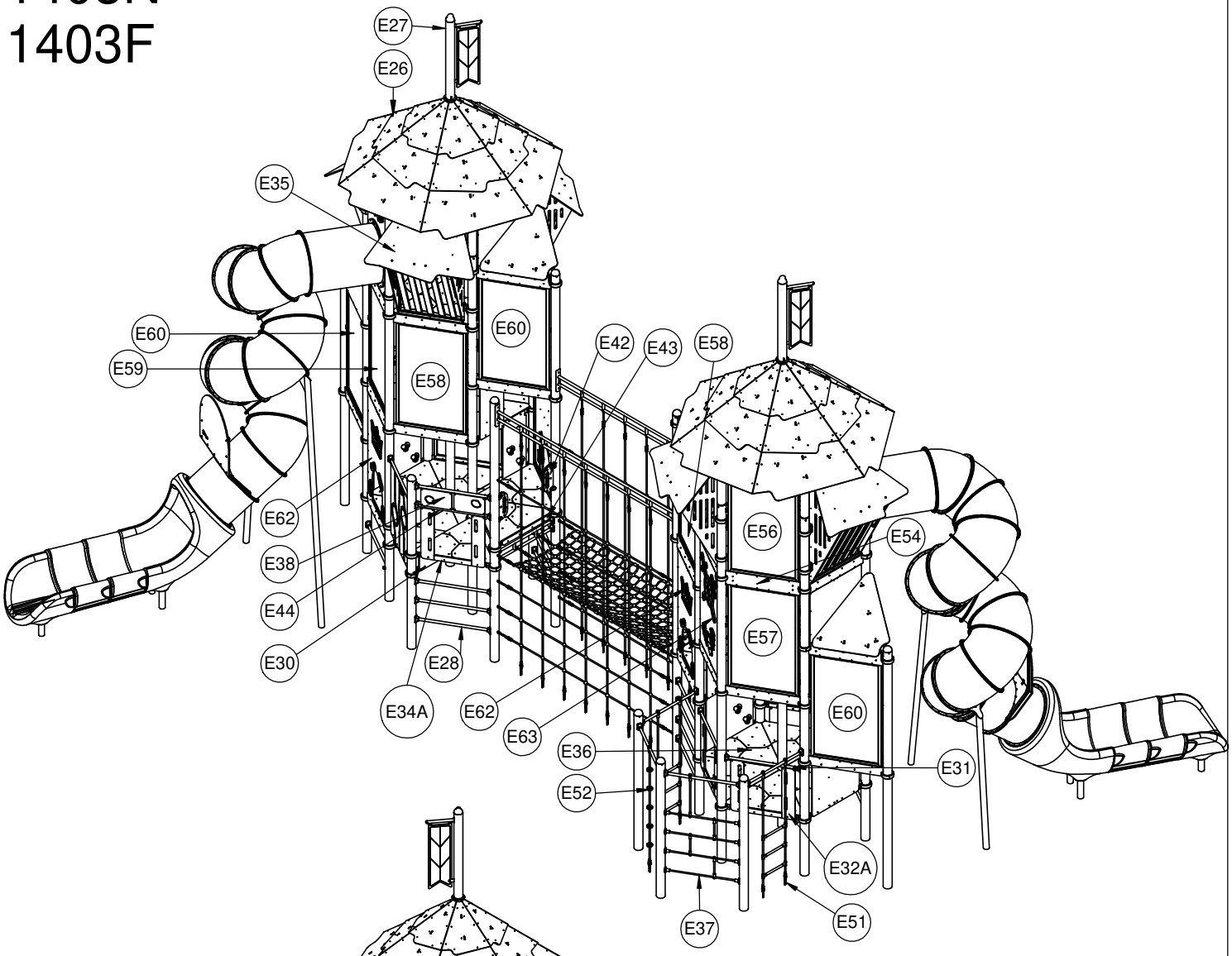
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E56	 M9_1200_92	2
E57	 M10_1200_92	2
E58	 M11_1200_92	3
E59	 M12_1200_92	2
E60	 M13_1200_92	5

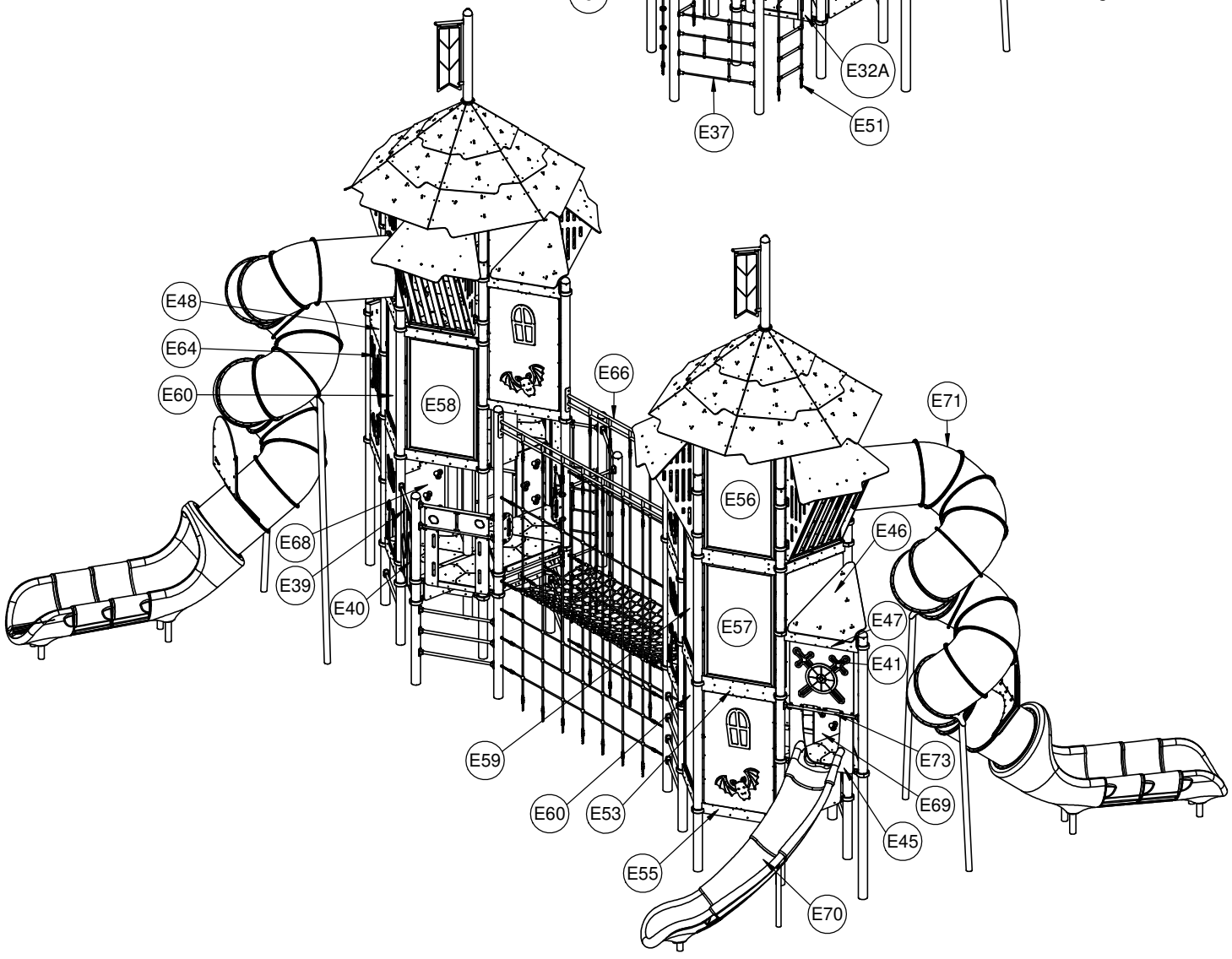
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E62		4
E63		3
E64		2
E65		2
E66		1

NR	ELEMENT	1403F10
E67		6
E68		4
E69		8
E70		1
E71		2
E72		1

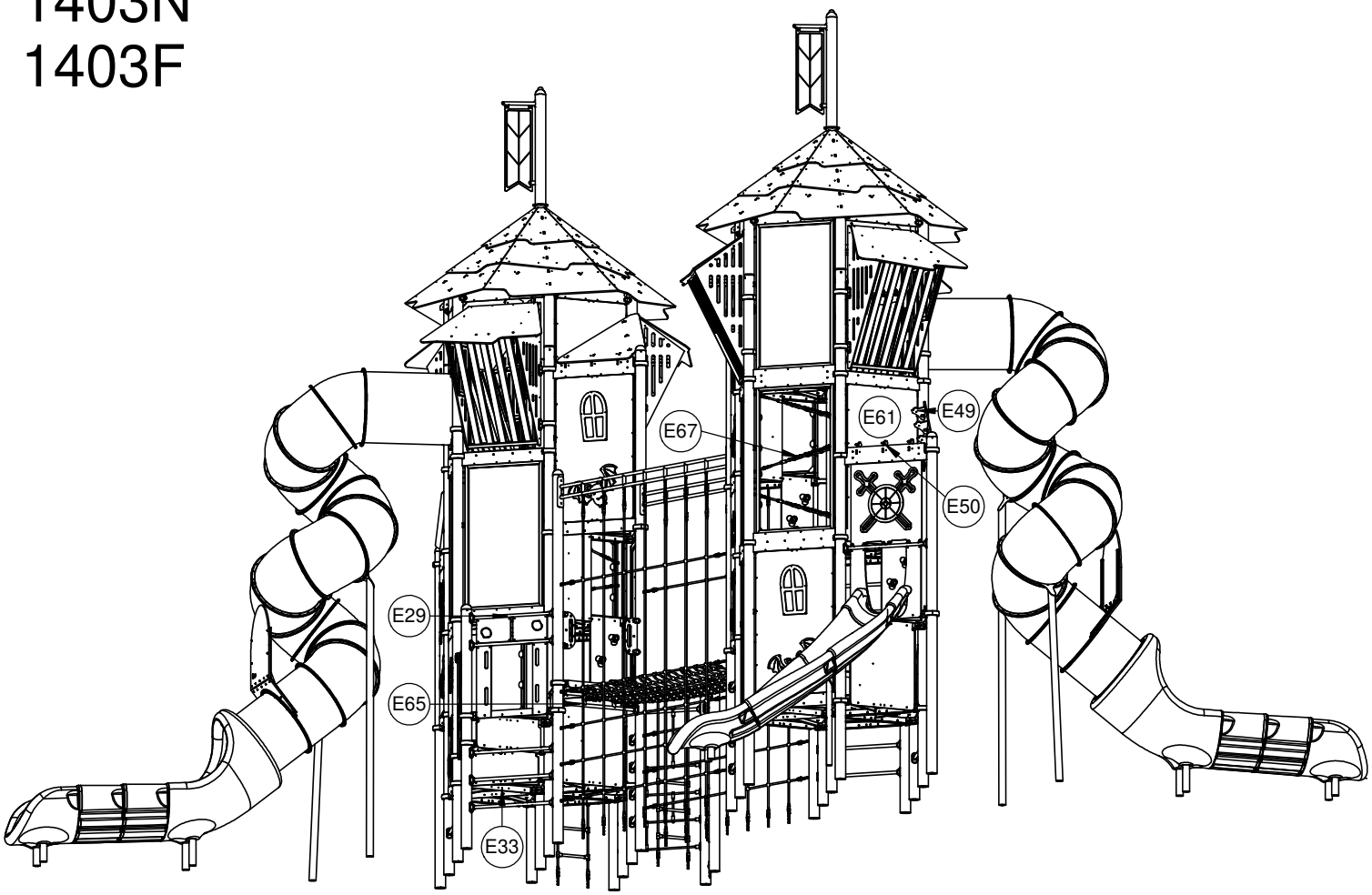
NR	ELEMENT	1403F10
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1403N
1403F

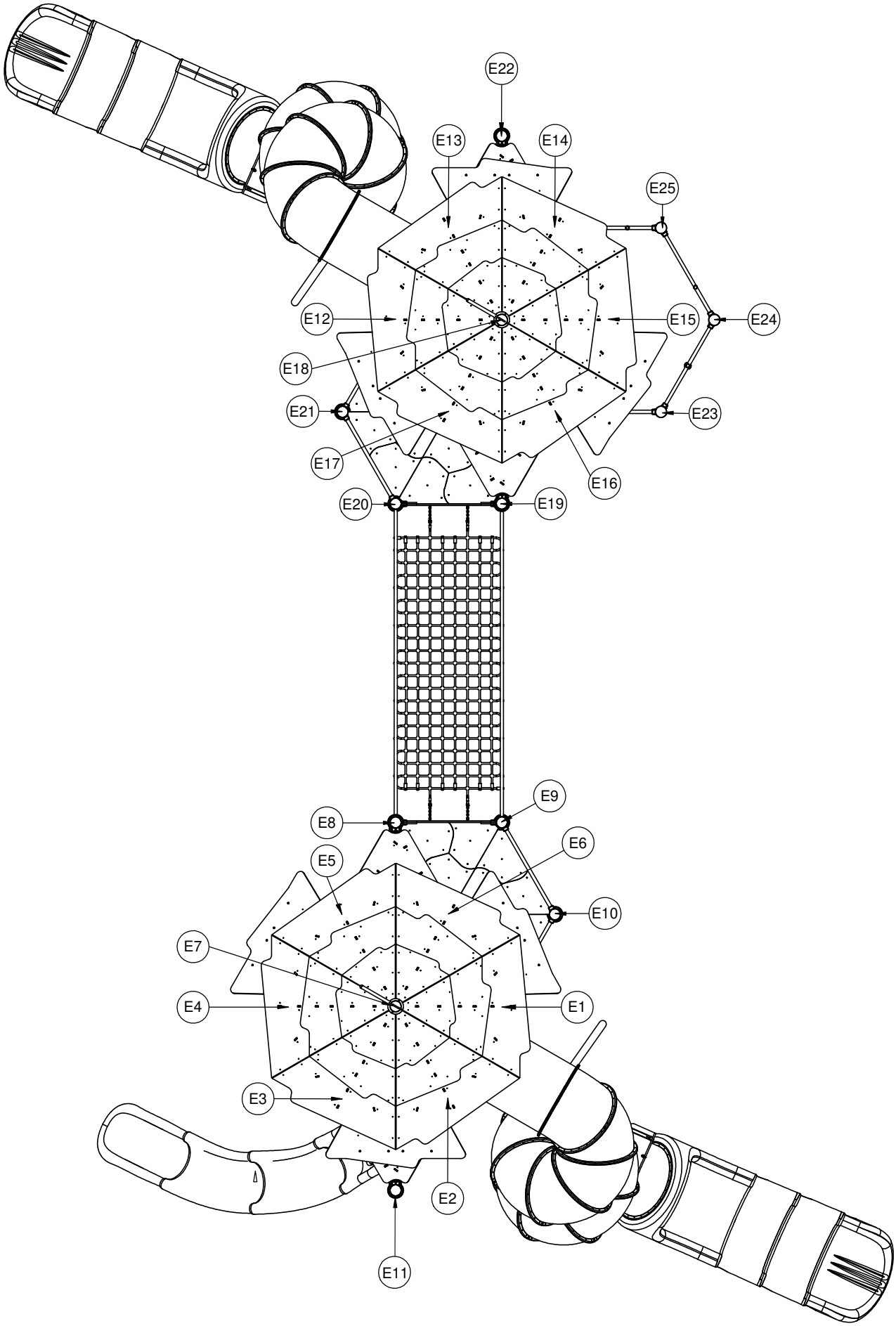

E27
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E34A
E62
E63
E36
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E57
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E32A
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E55
E70

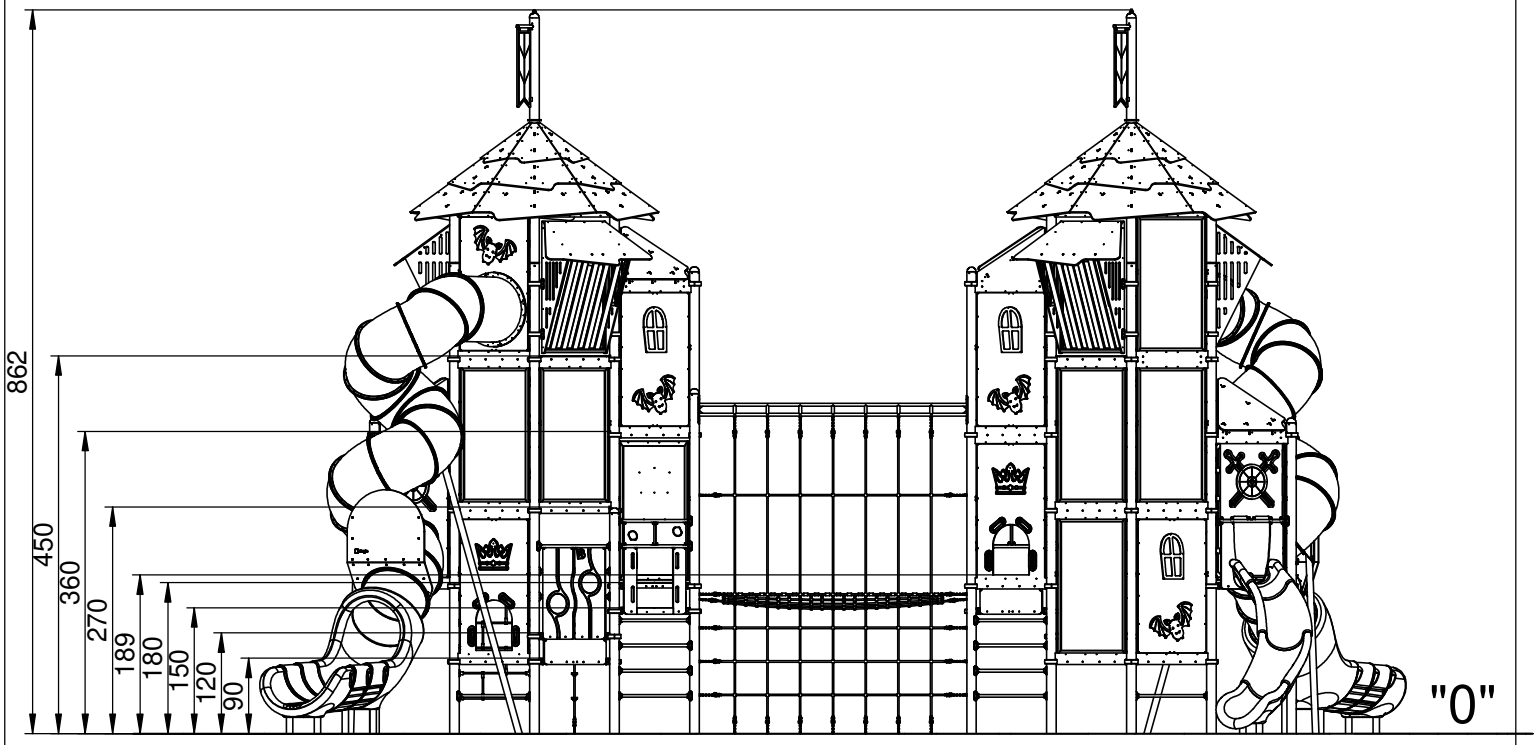
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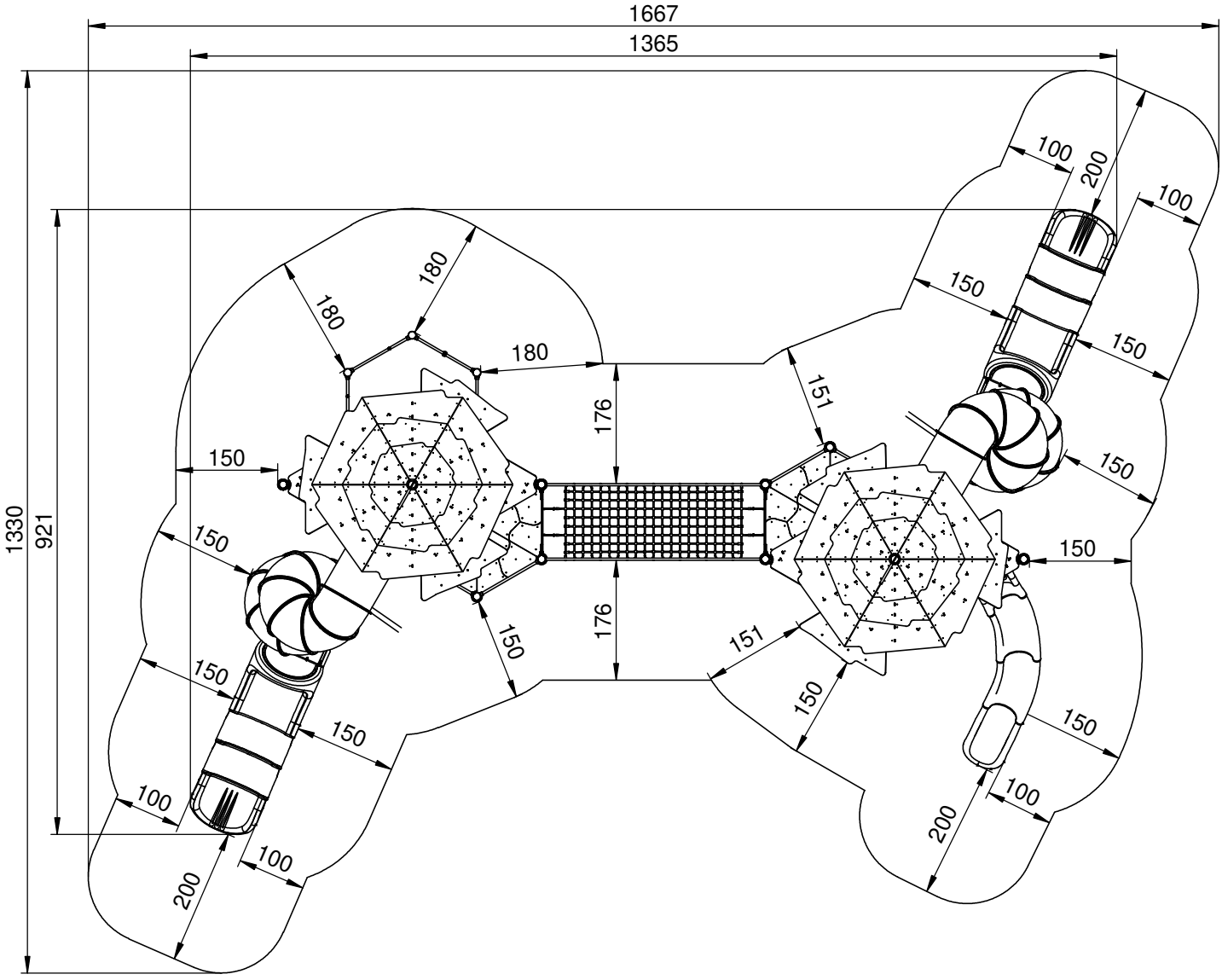


1403N
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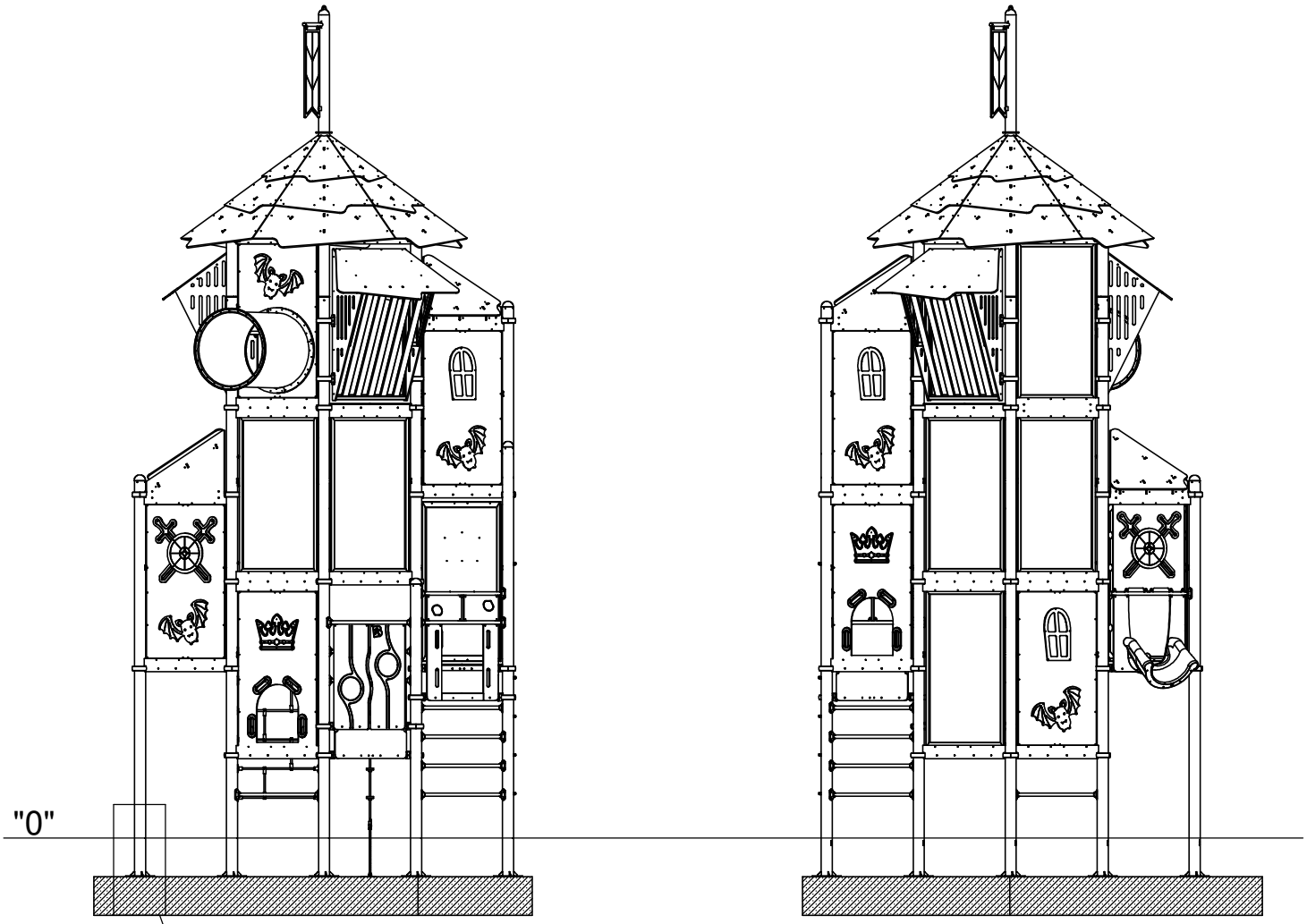

E22
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E11

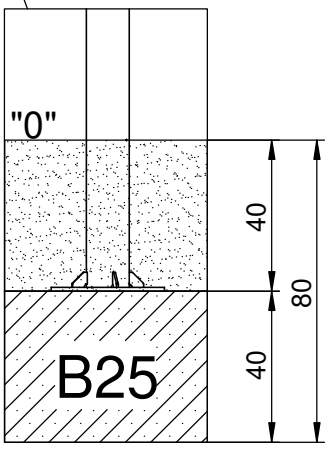
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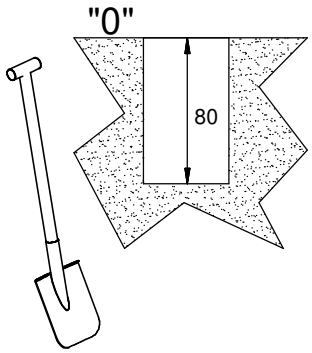

862
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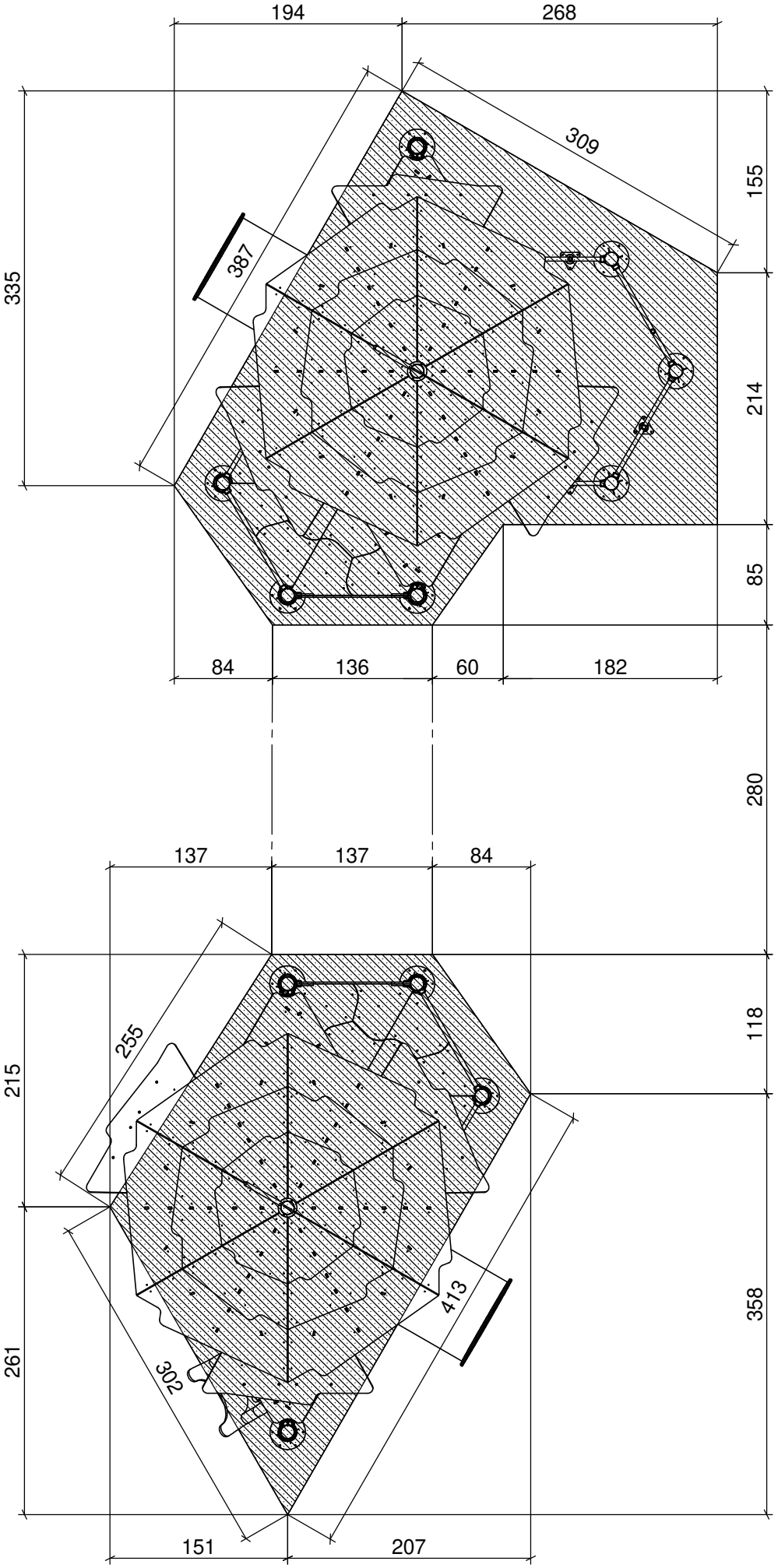
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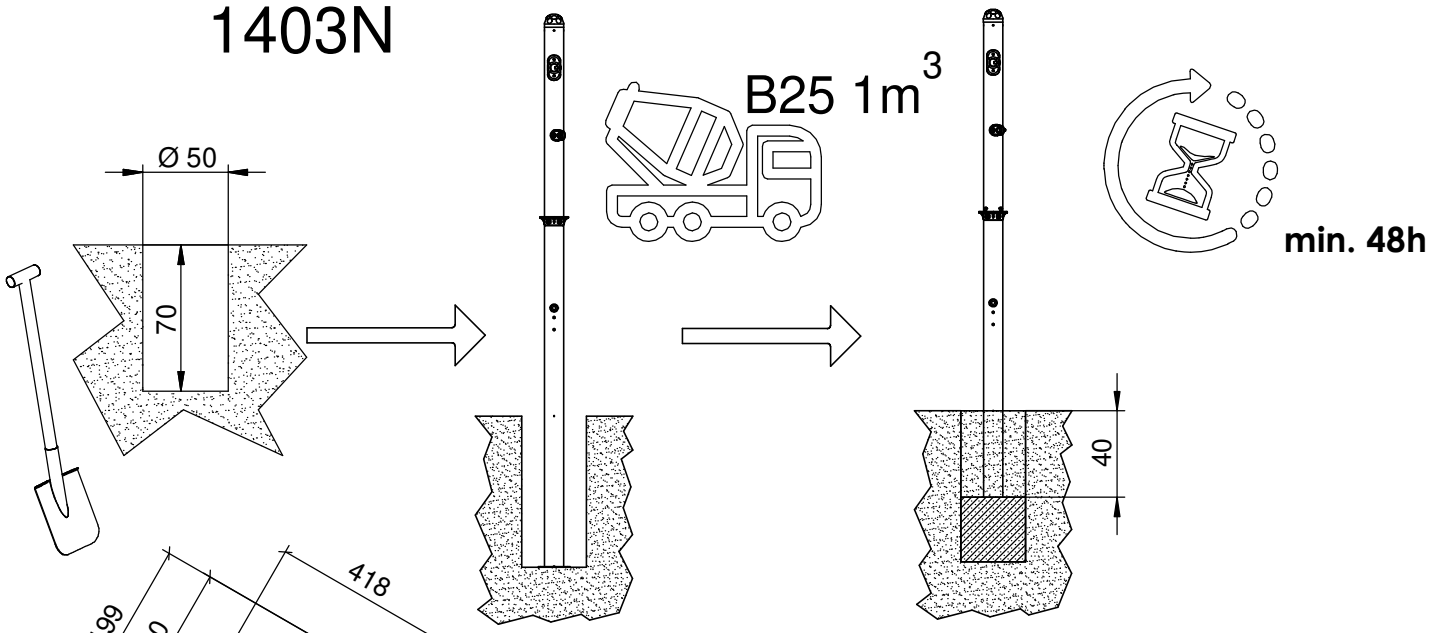
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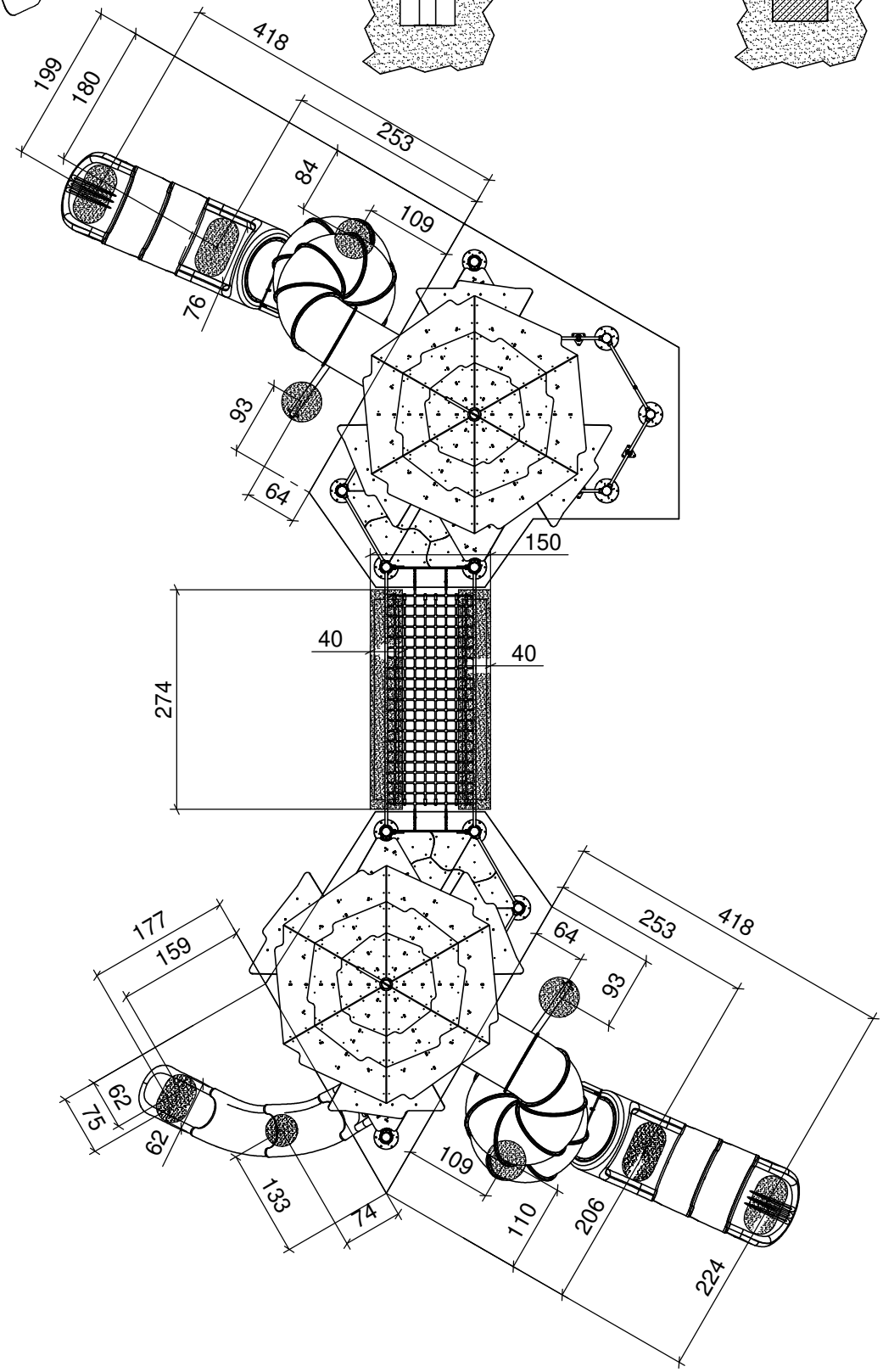


B25 9,5m^3

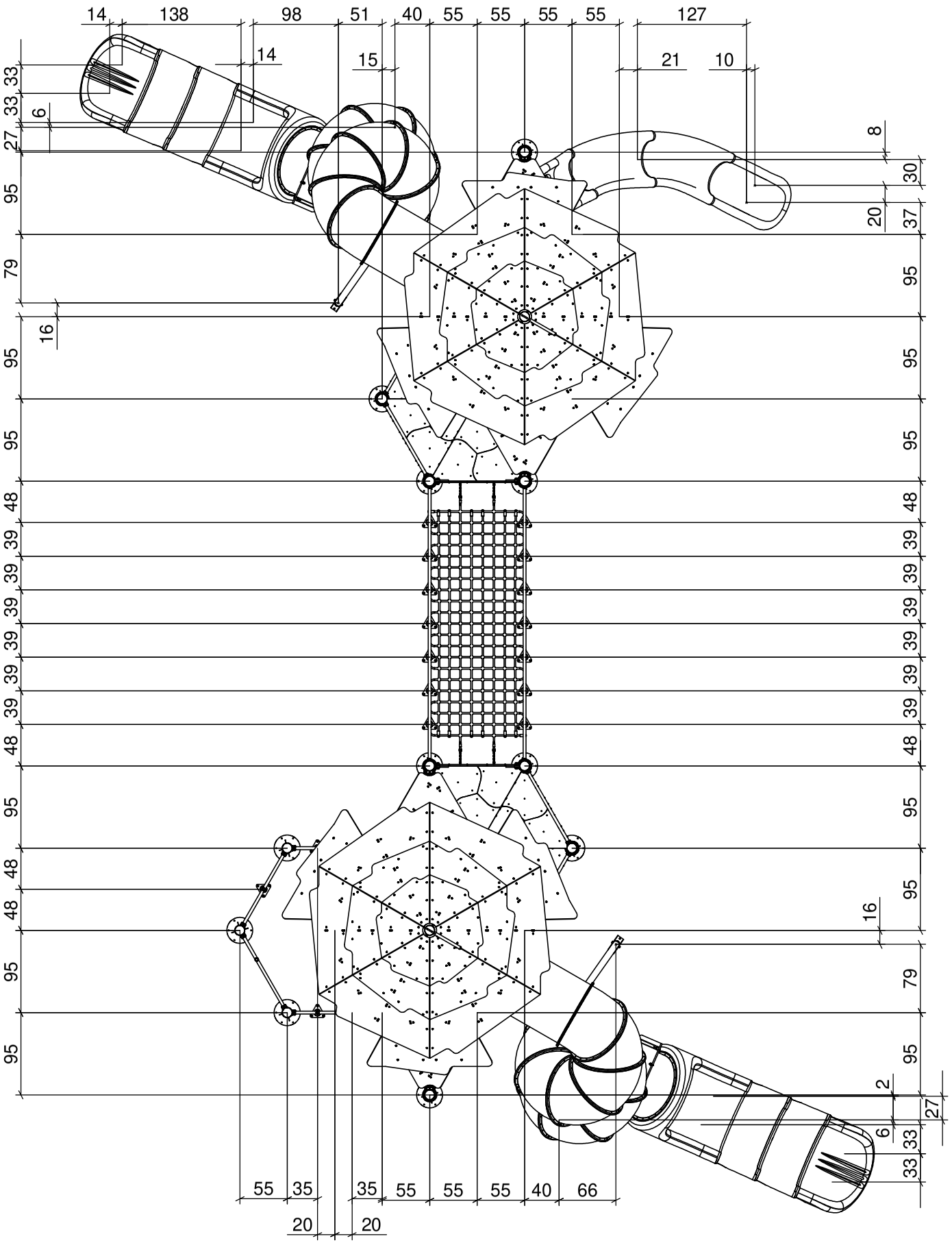
min. 48h

1403N


Ø 50
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B25 1m3
min. 48h
40

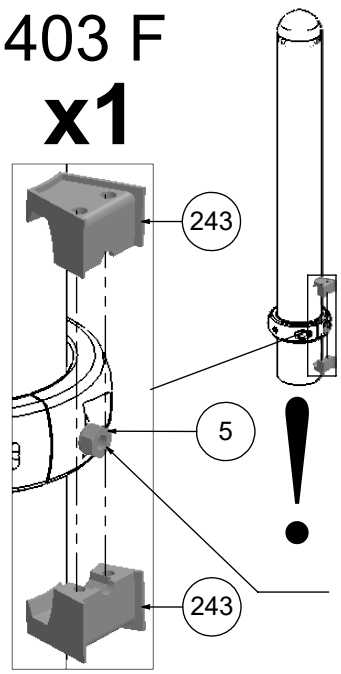

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1403F

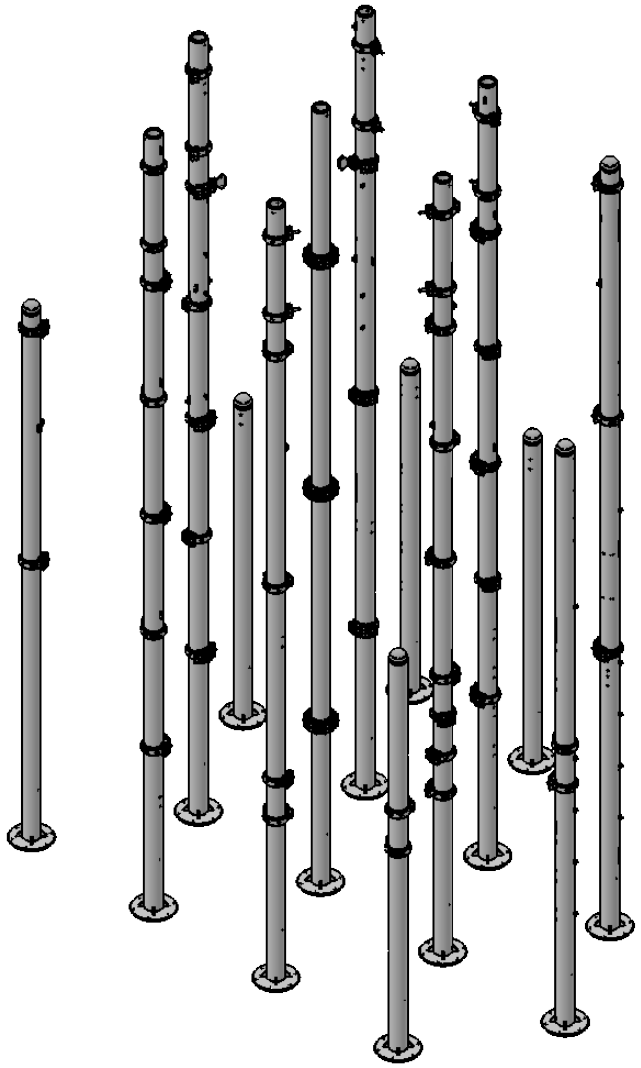

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1403 N
1403 F

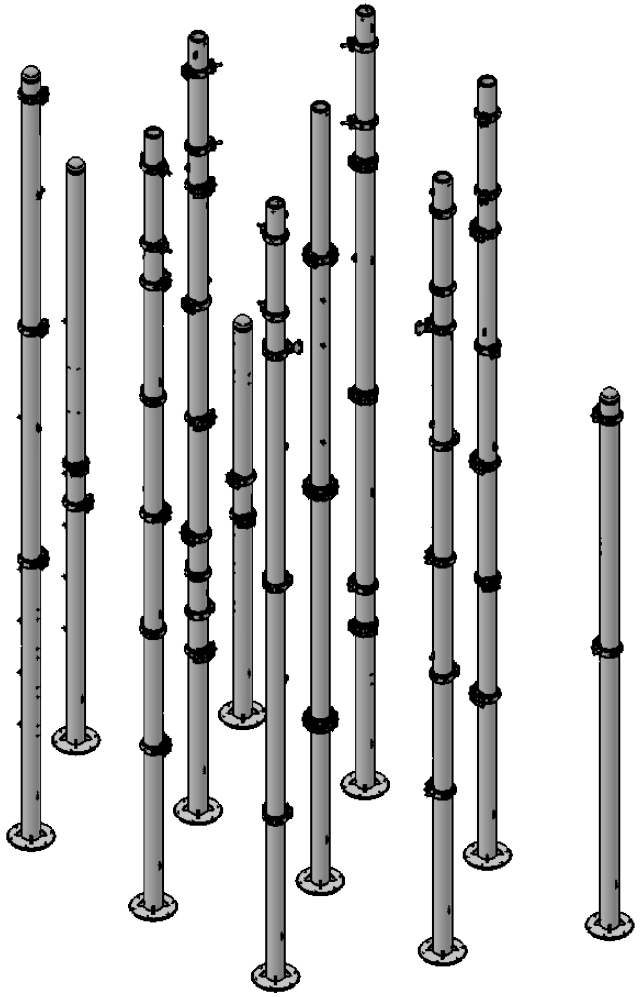
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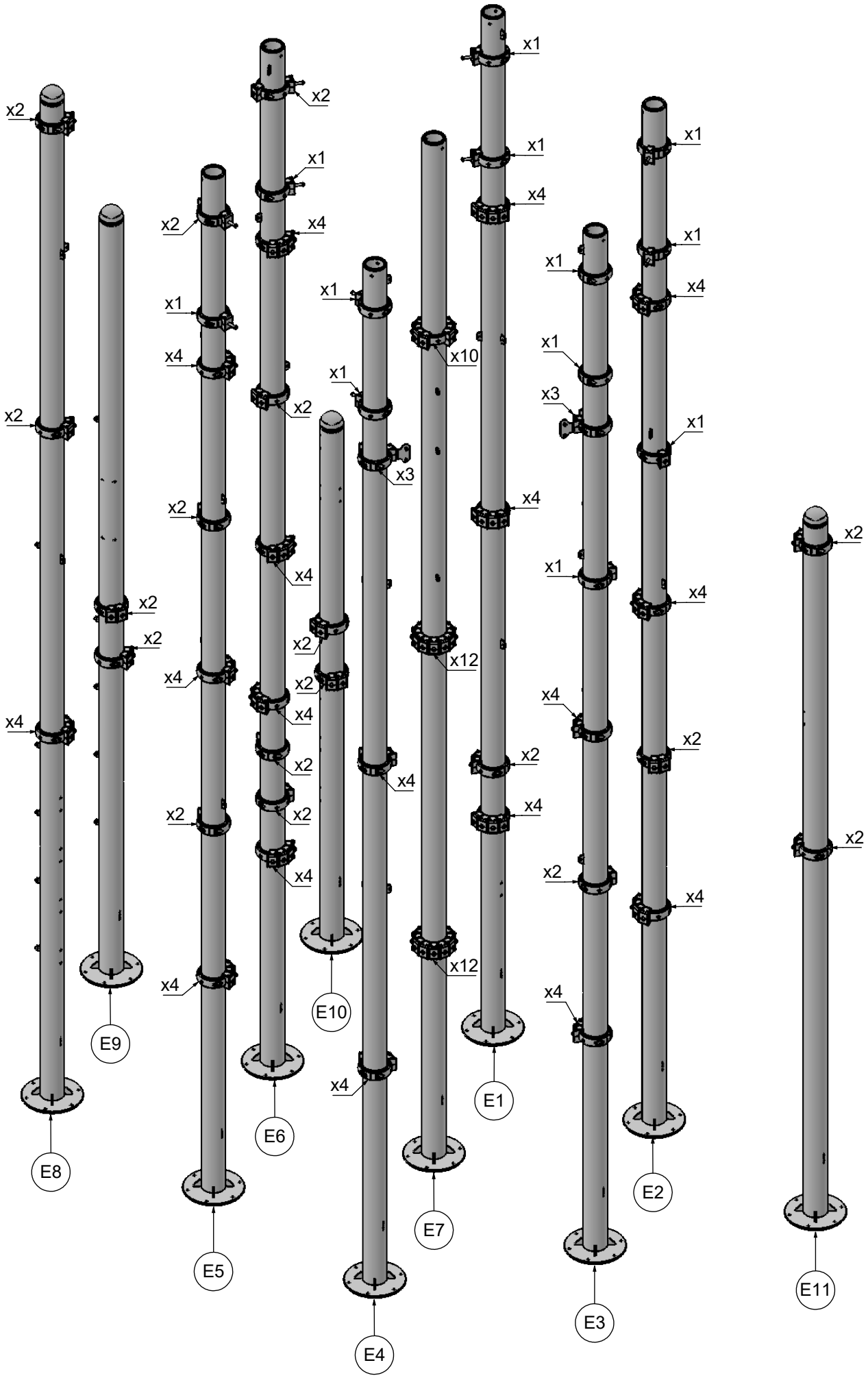
B



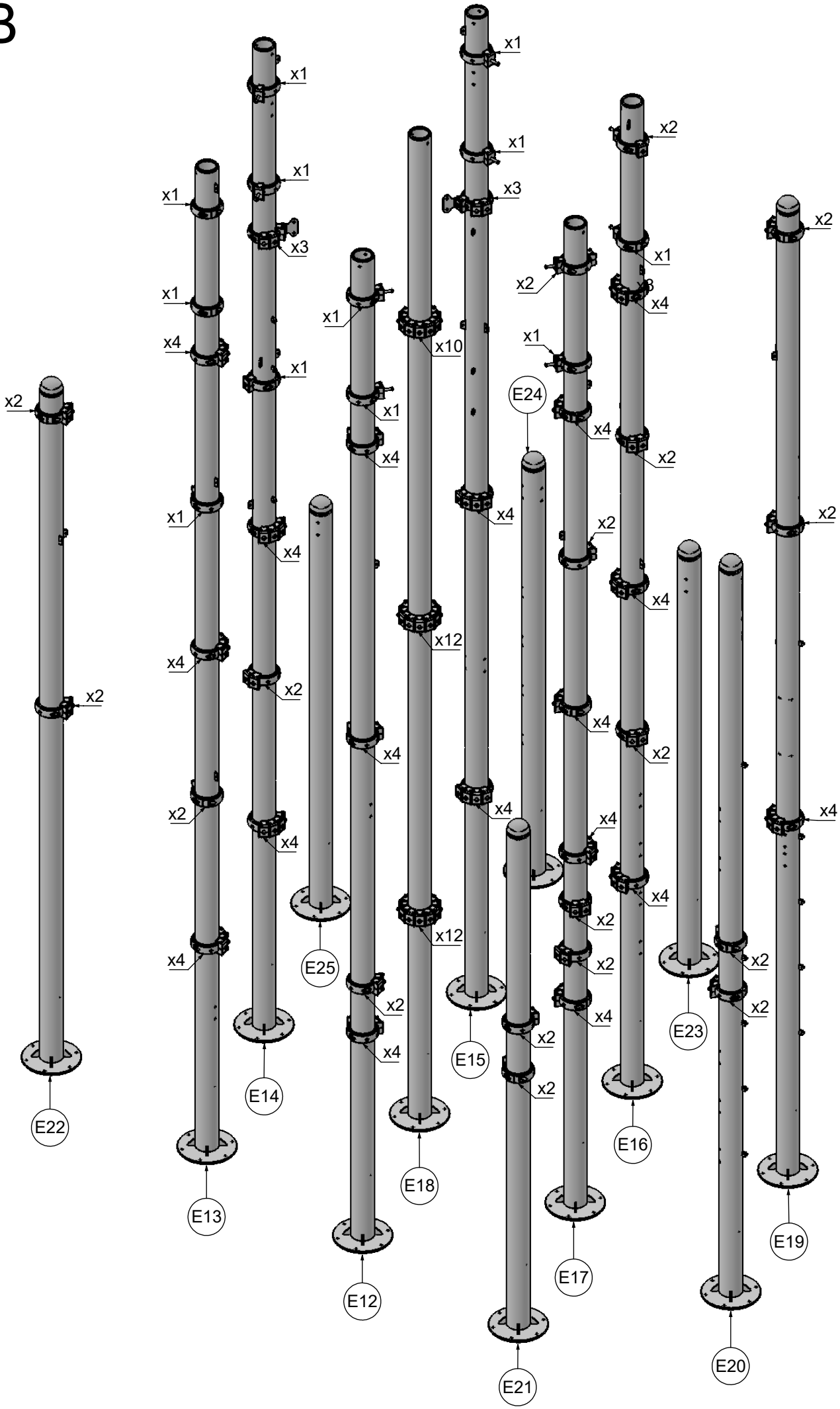
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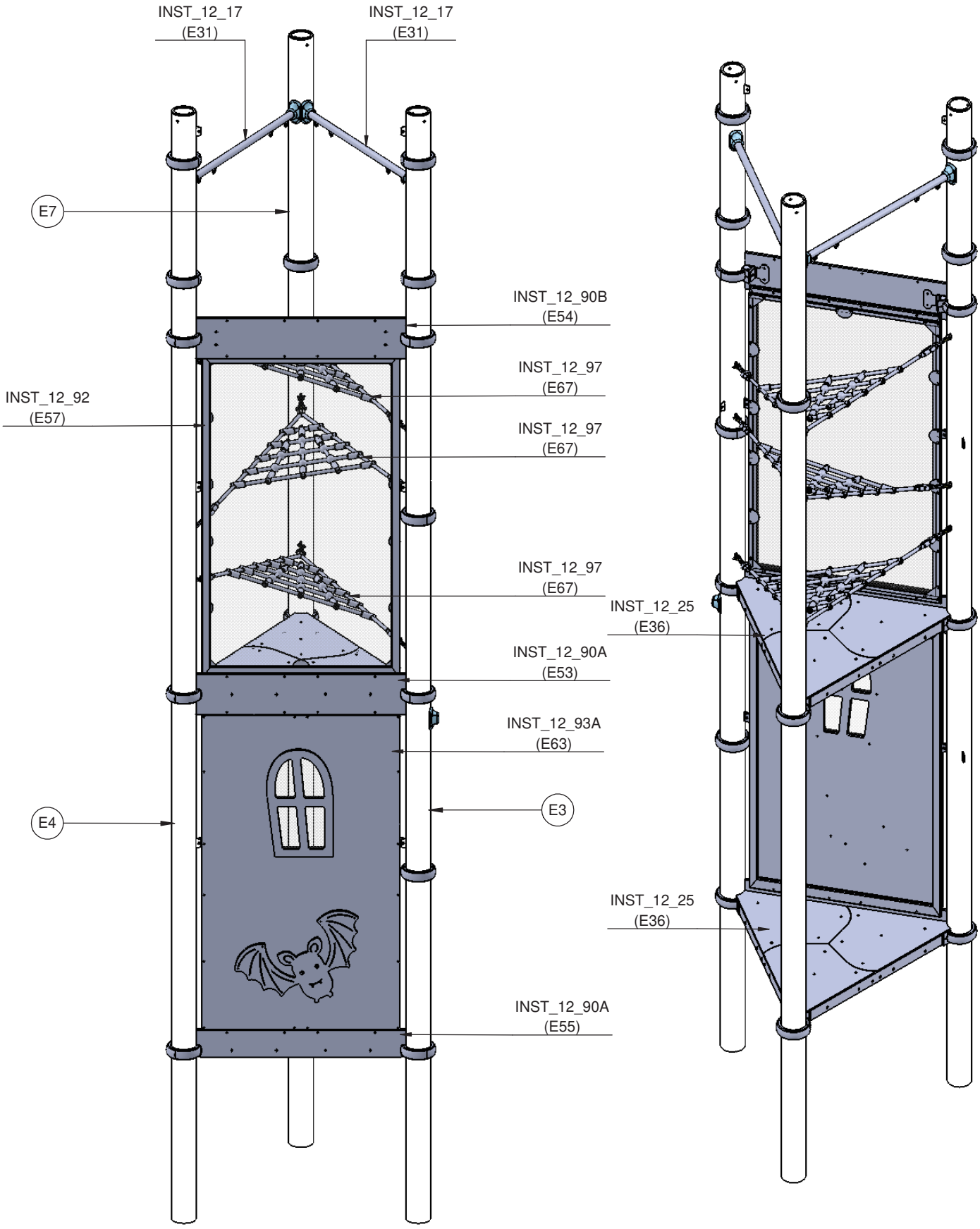
A


x2
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E8
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E6
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E11

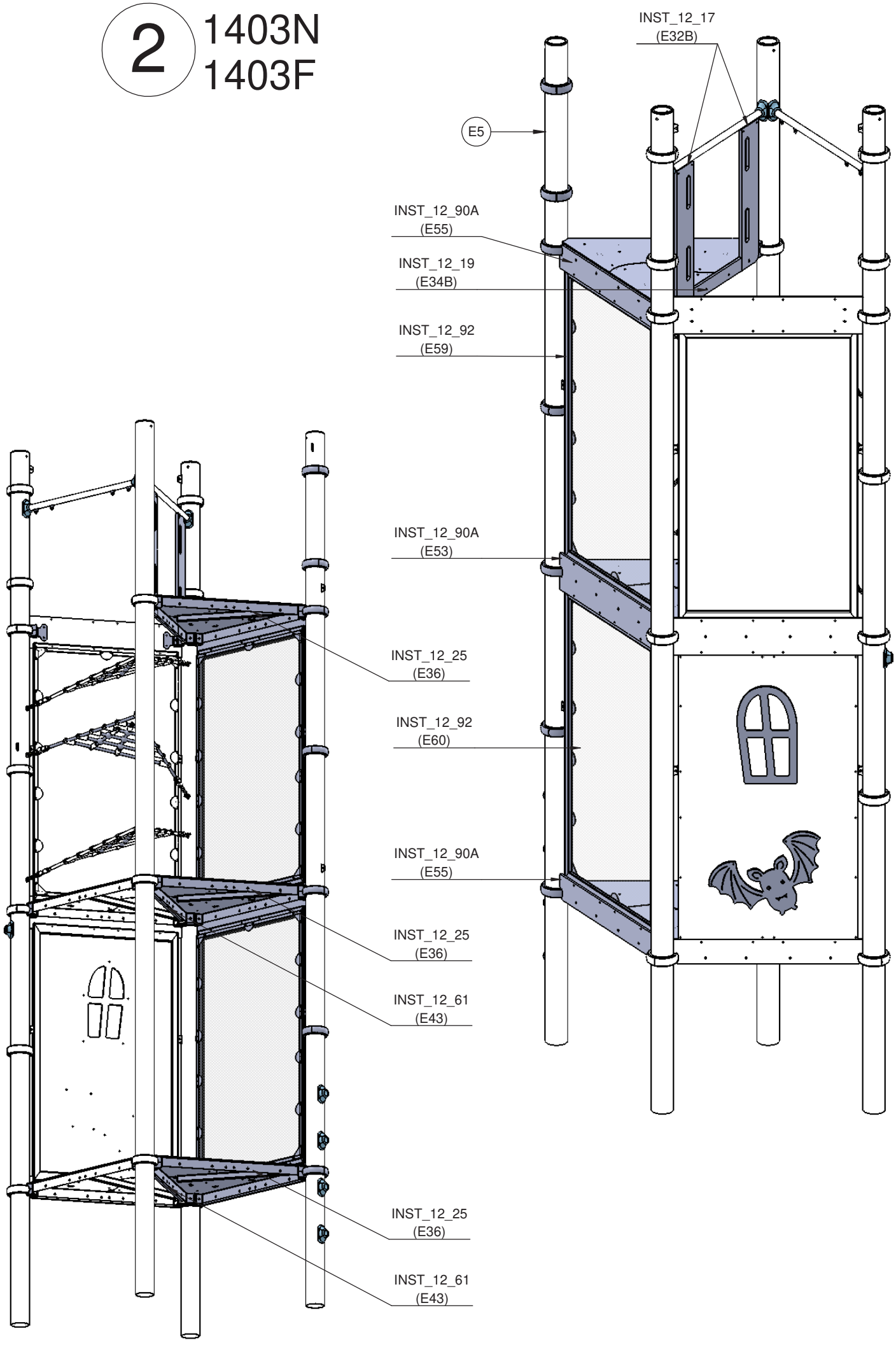
B


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x2
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x1
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E13
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E14
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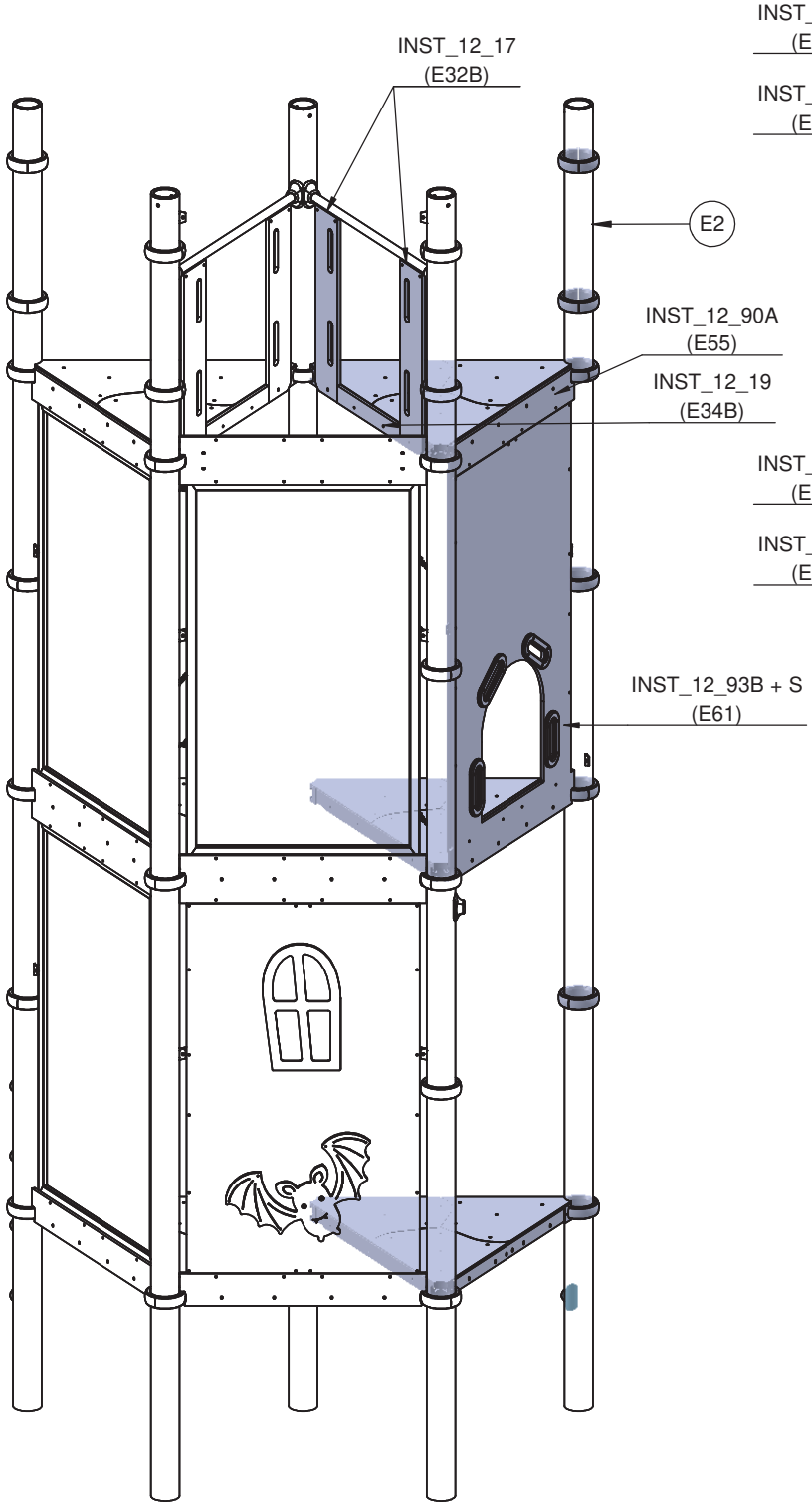
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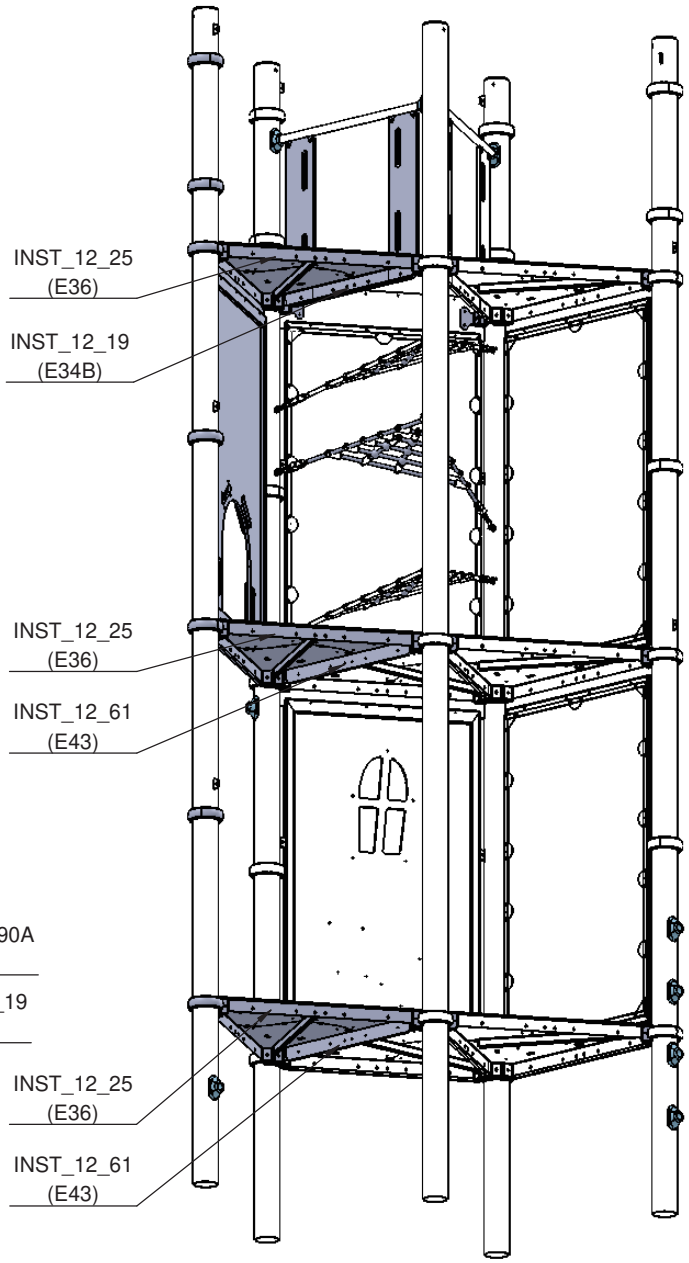


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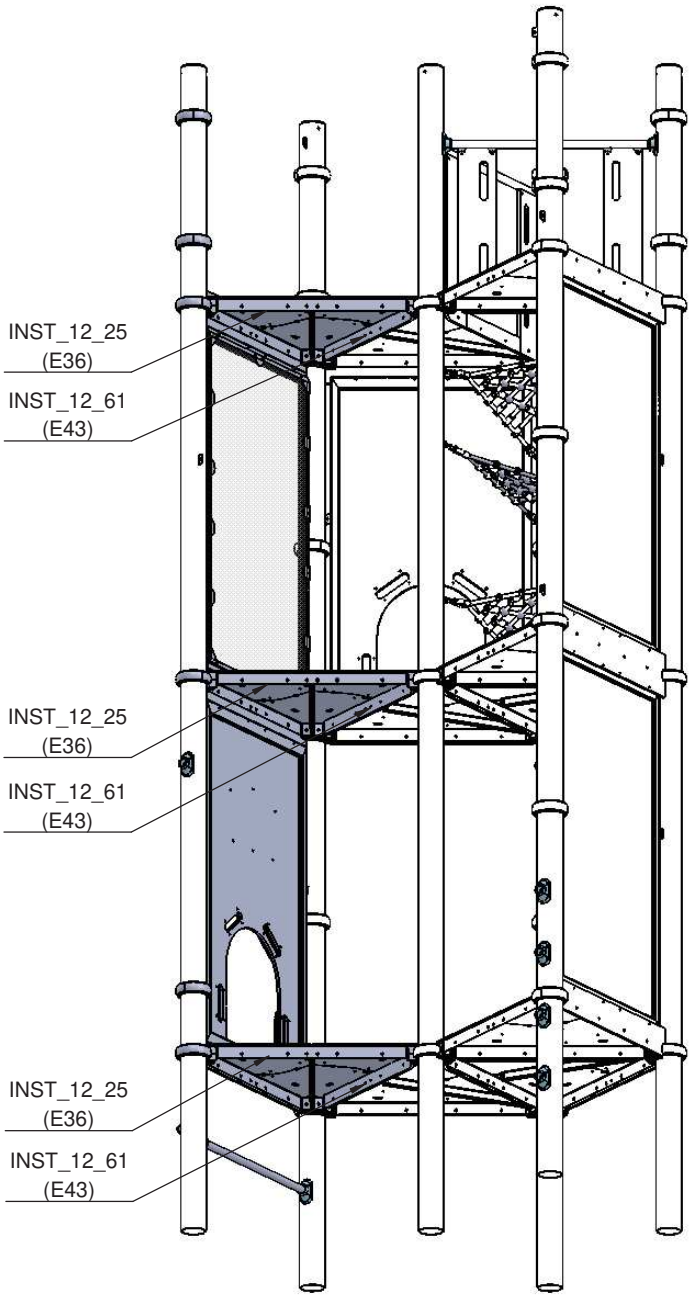


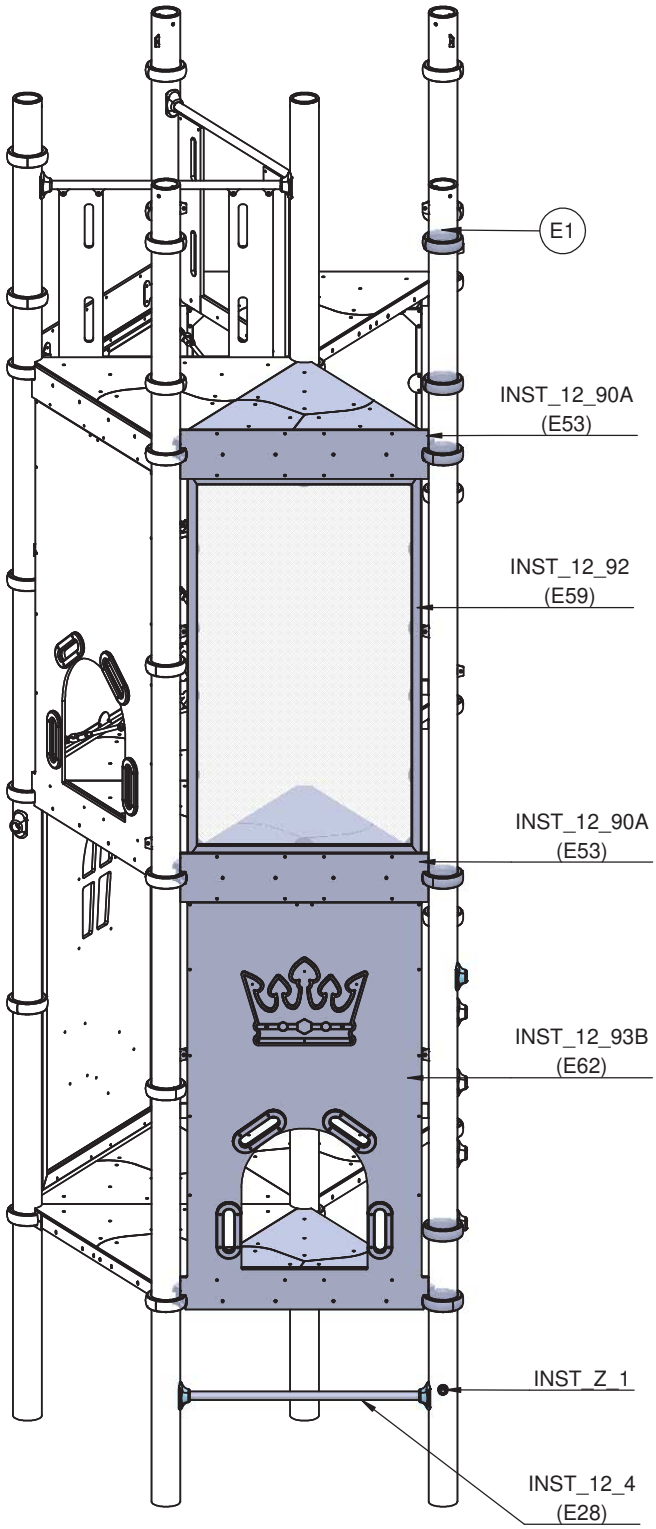
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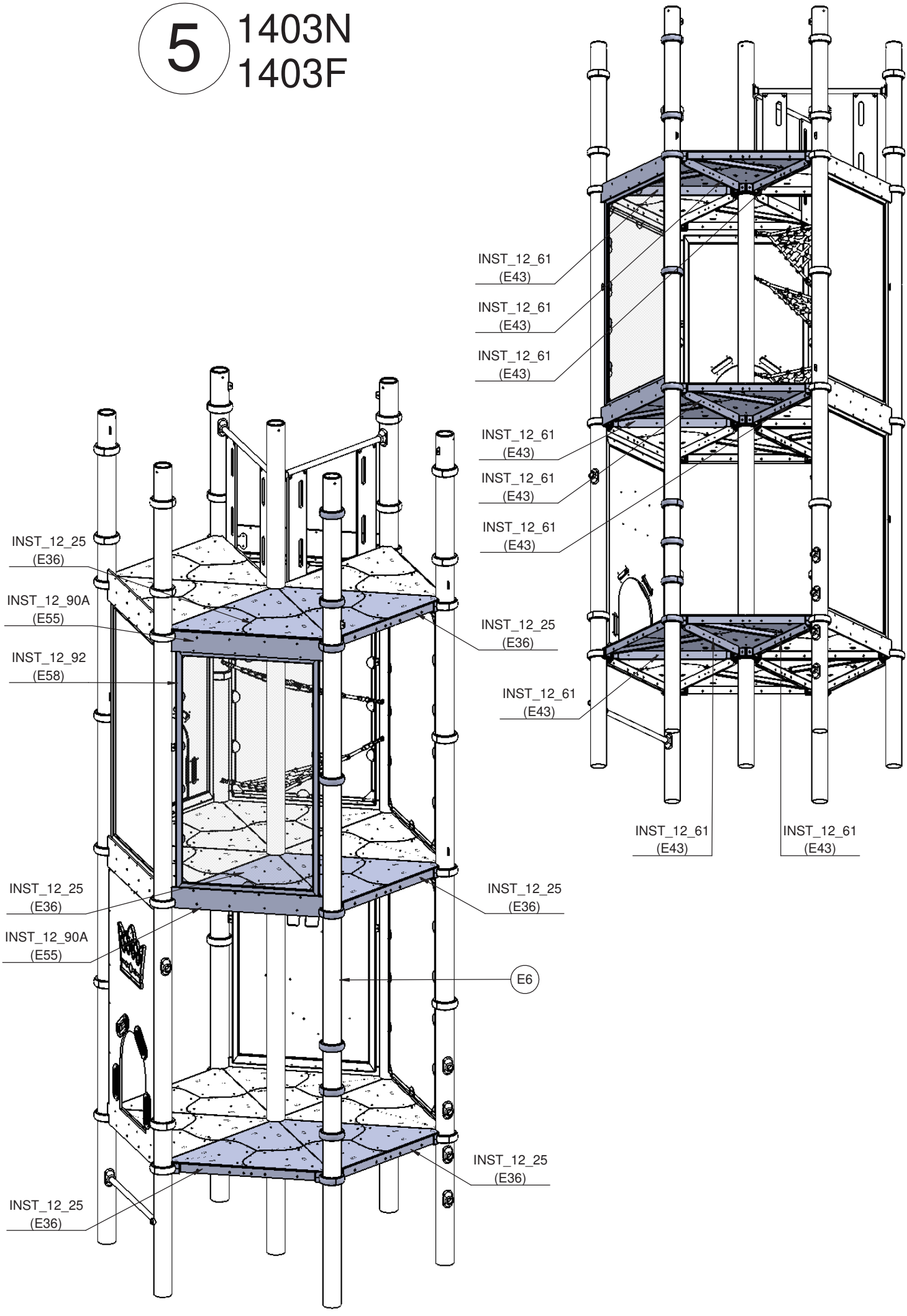


4 1403N 1403F

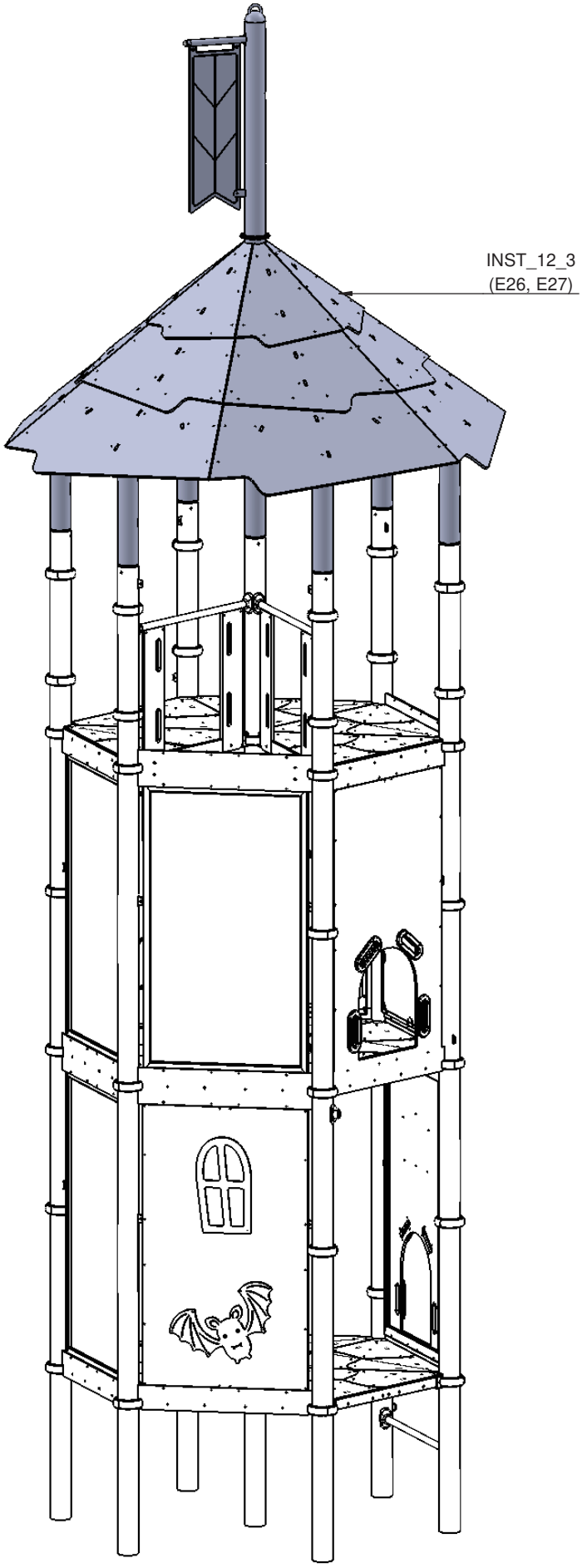




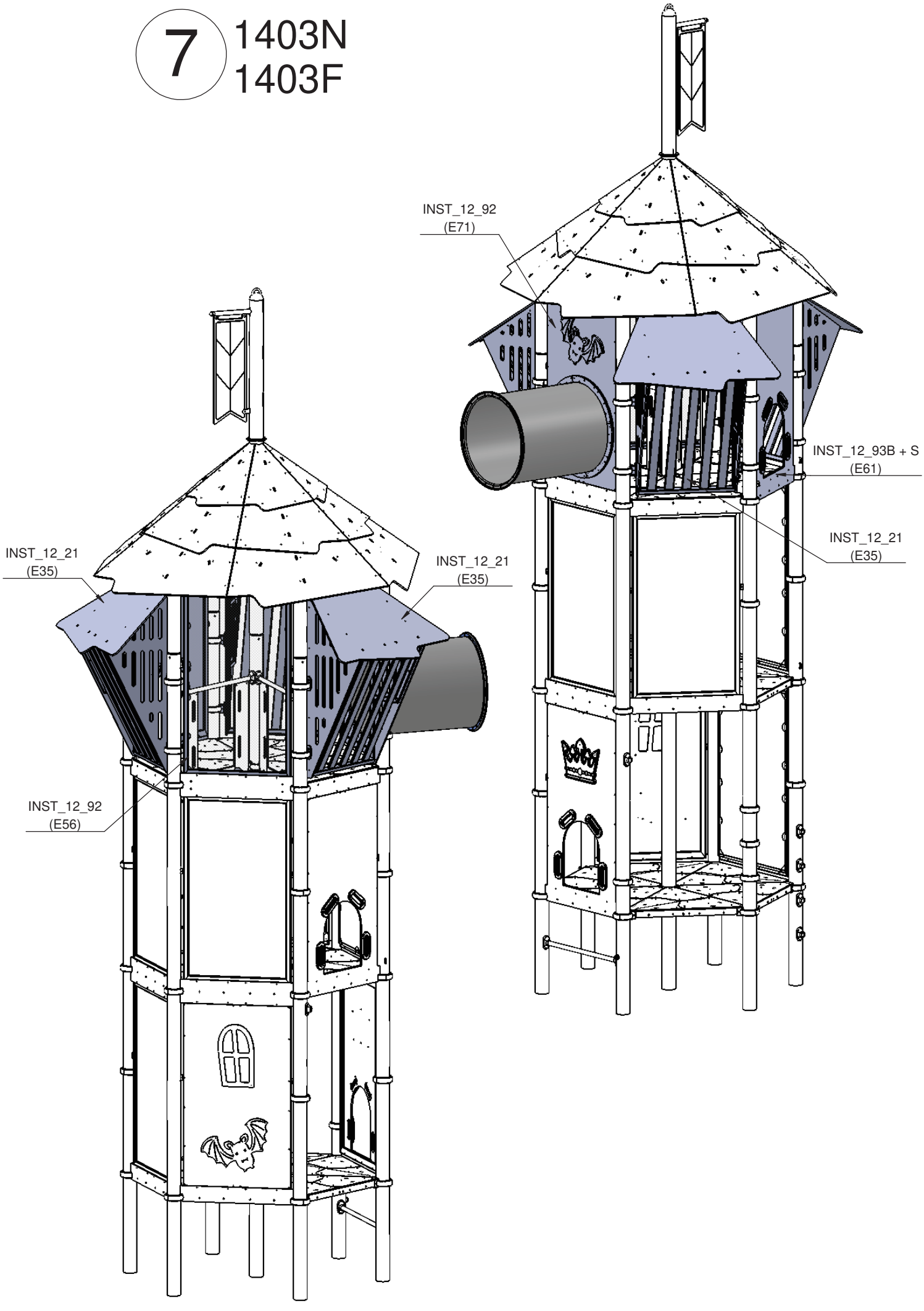
5 1403N 1403F



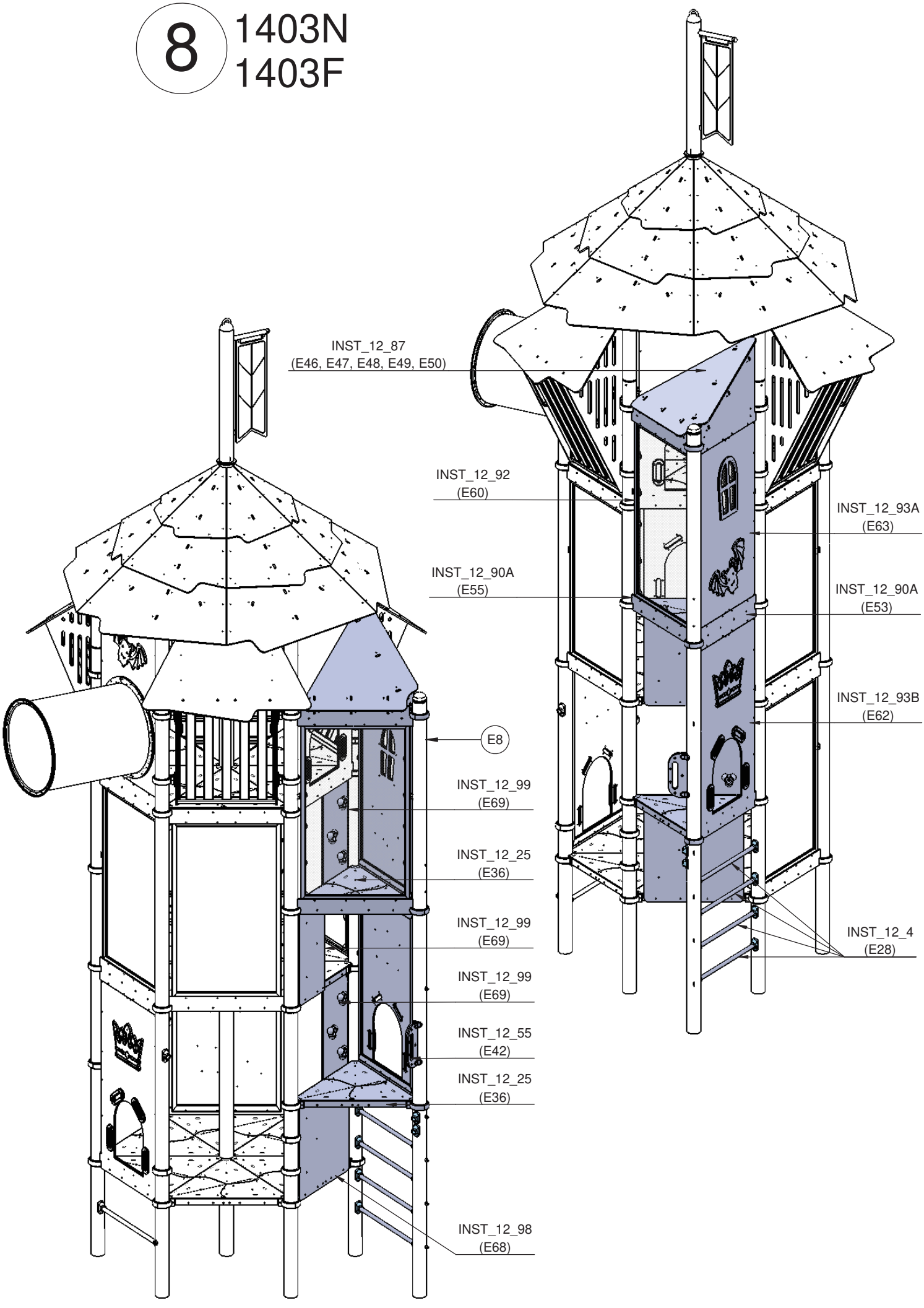
6 1403N 1403F



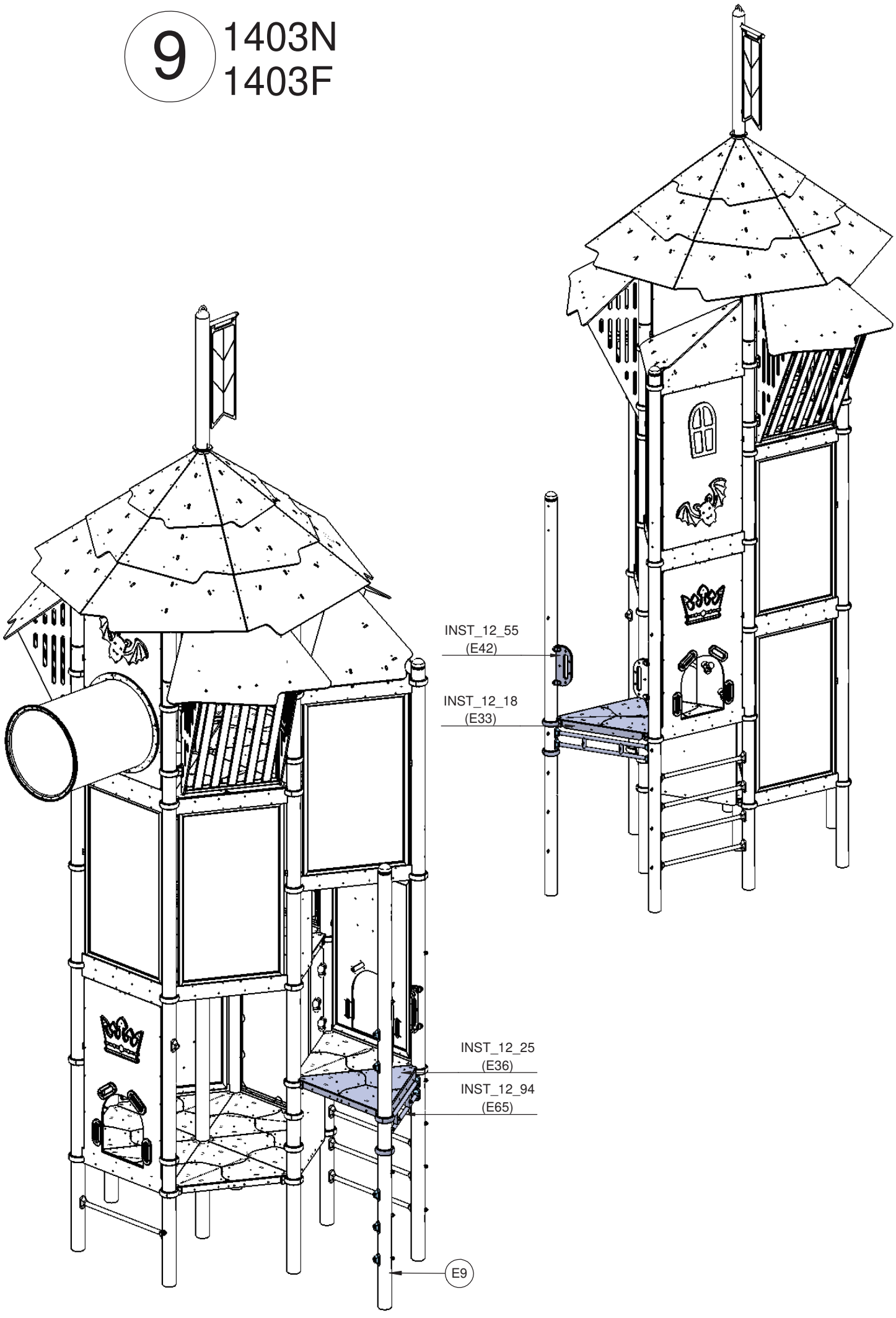
7 1403N 1403F



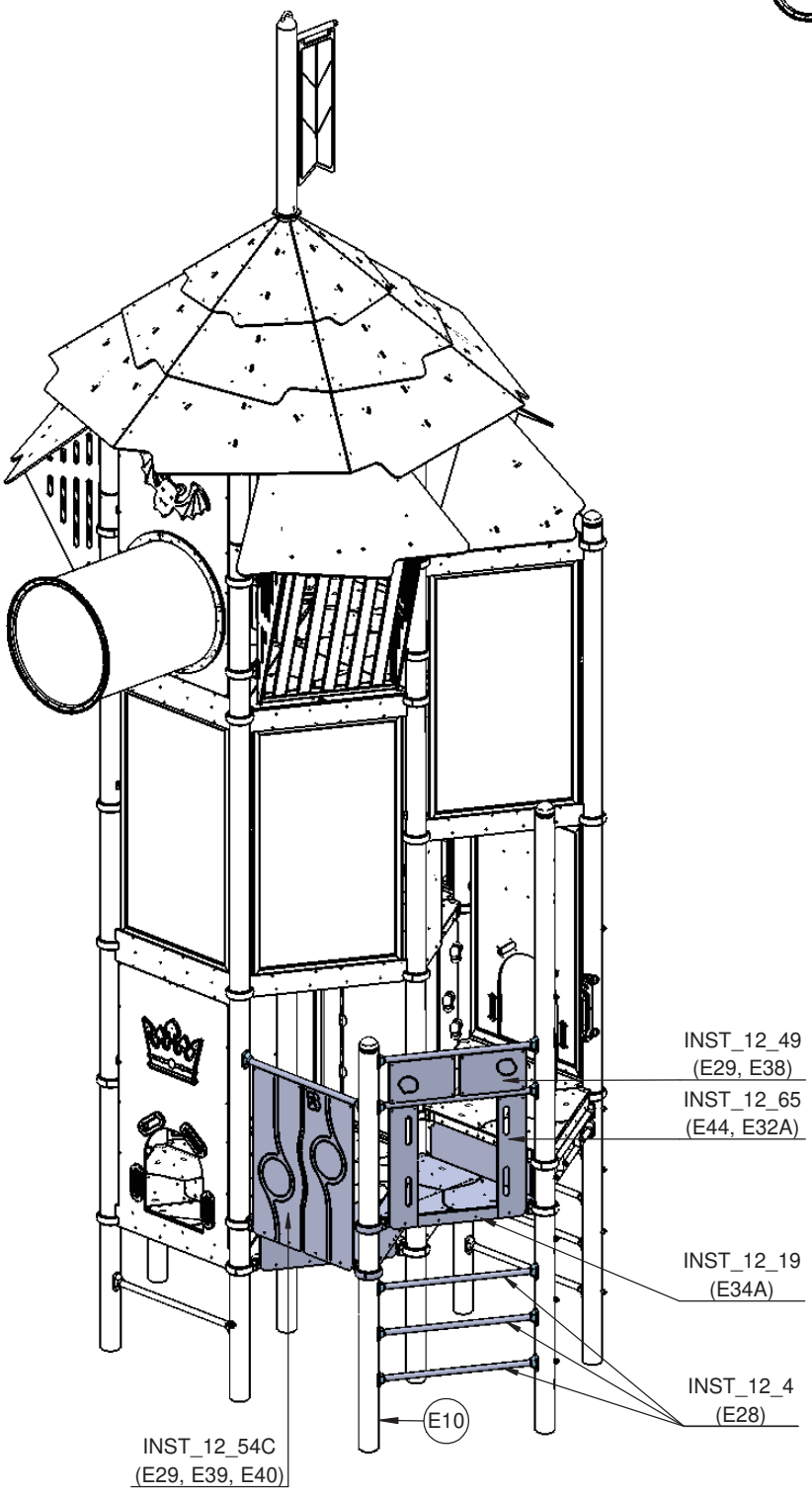
8 1403N 1403F

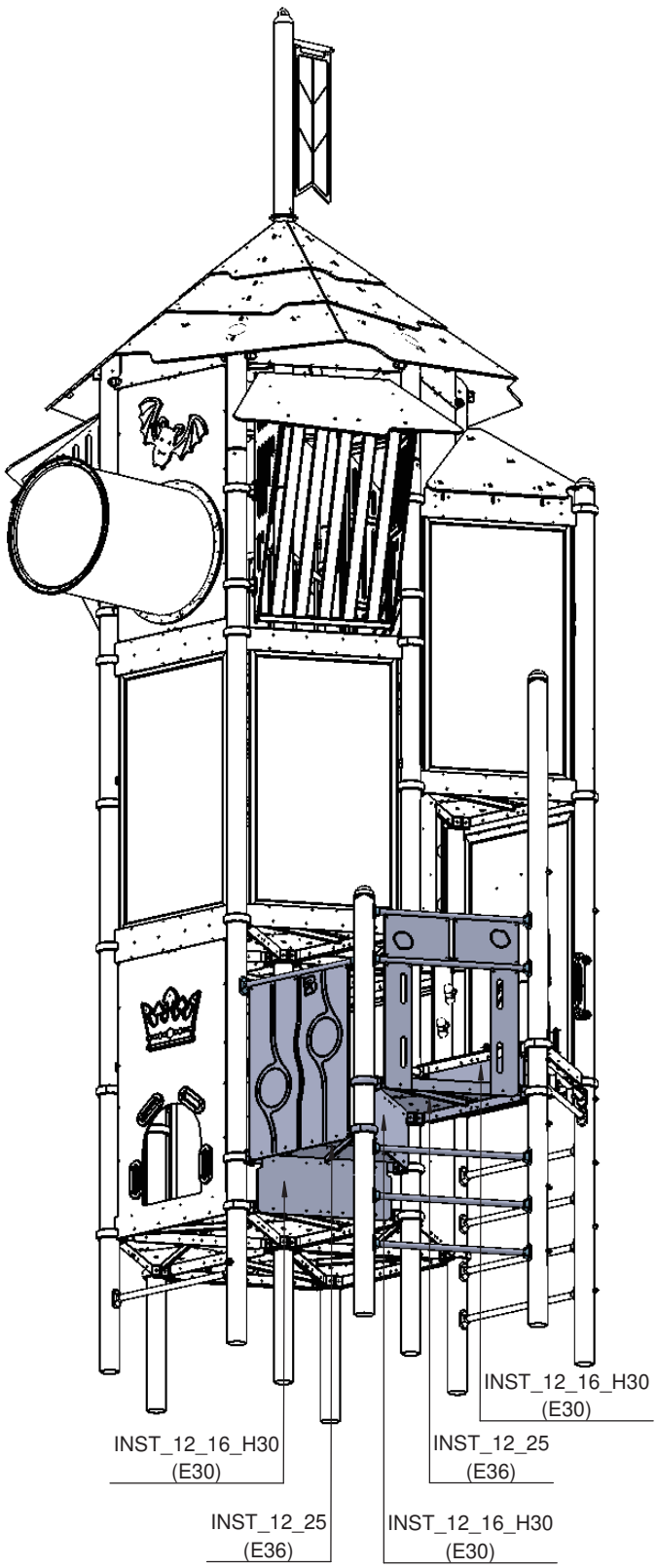


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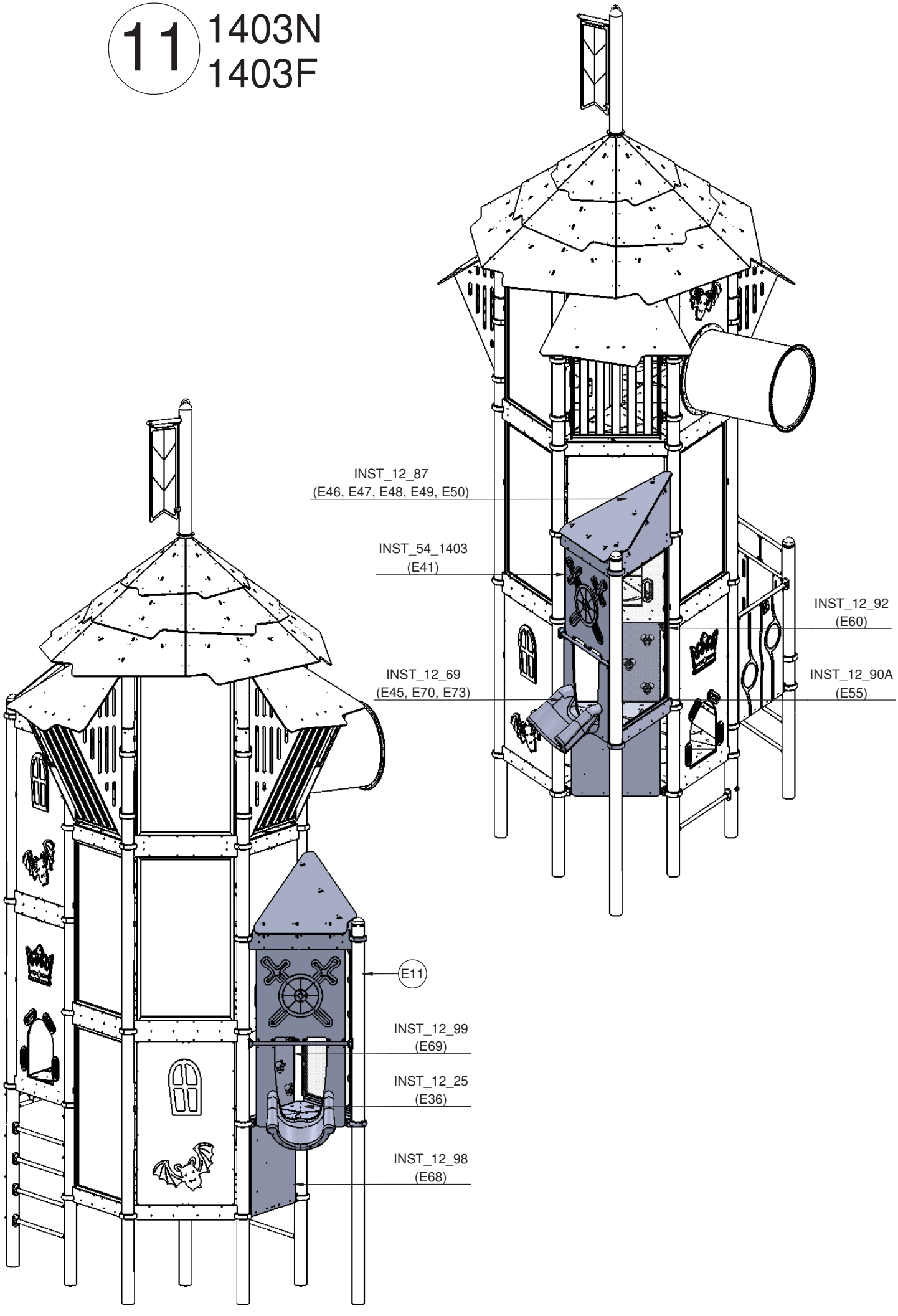


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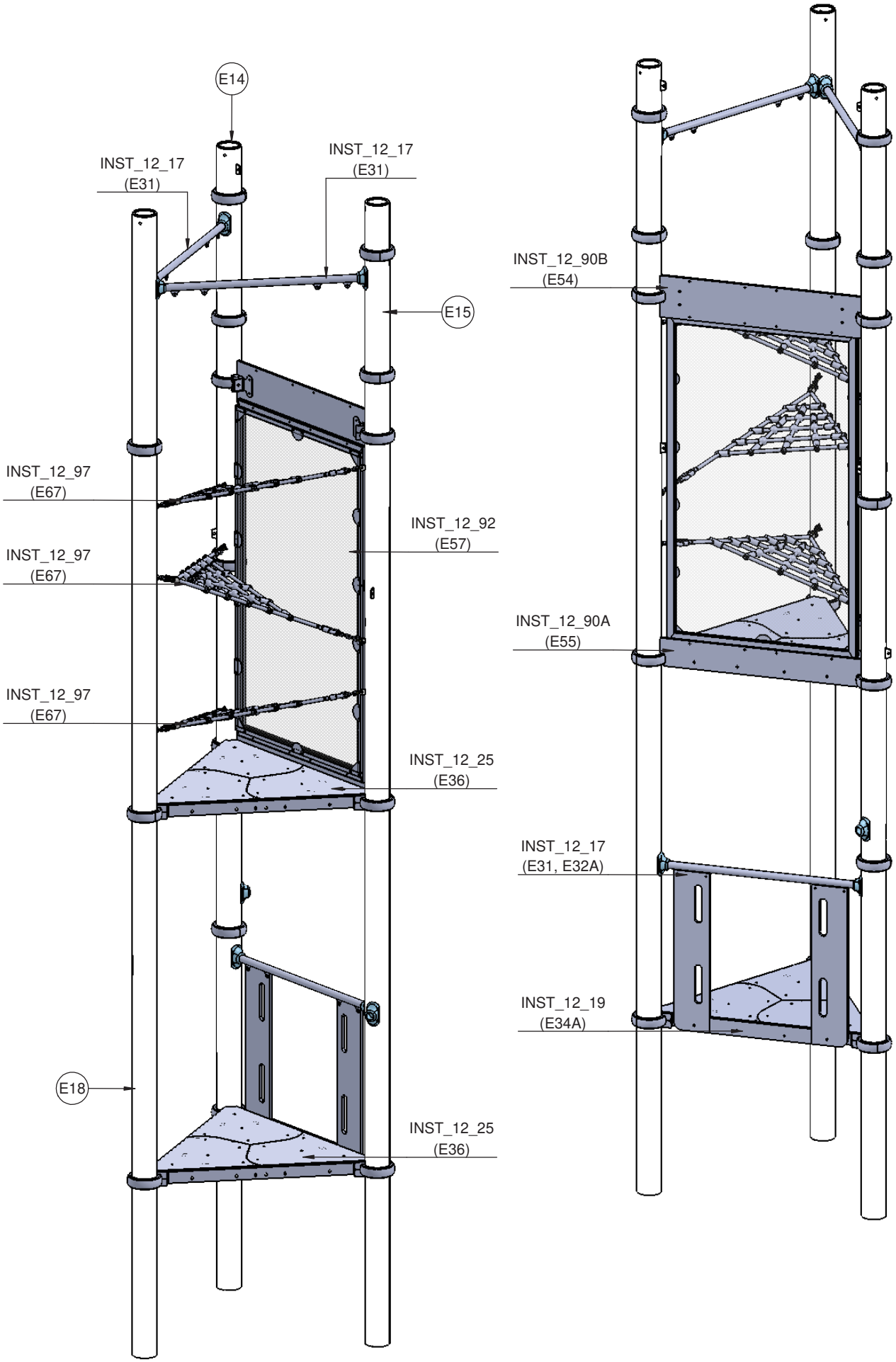




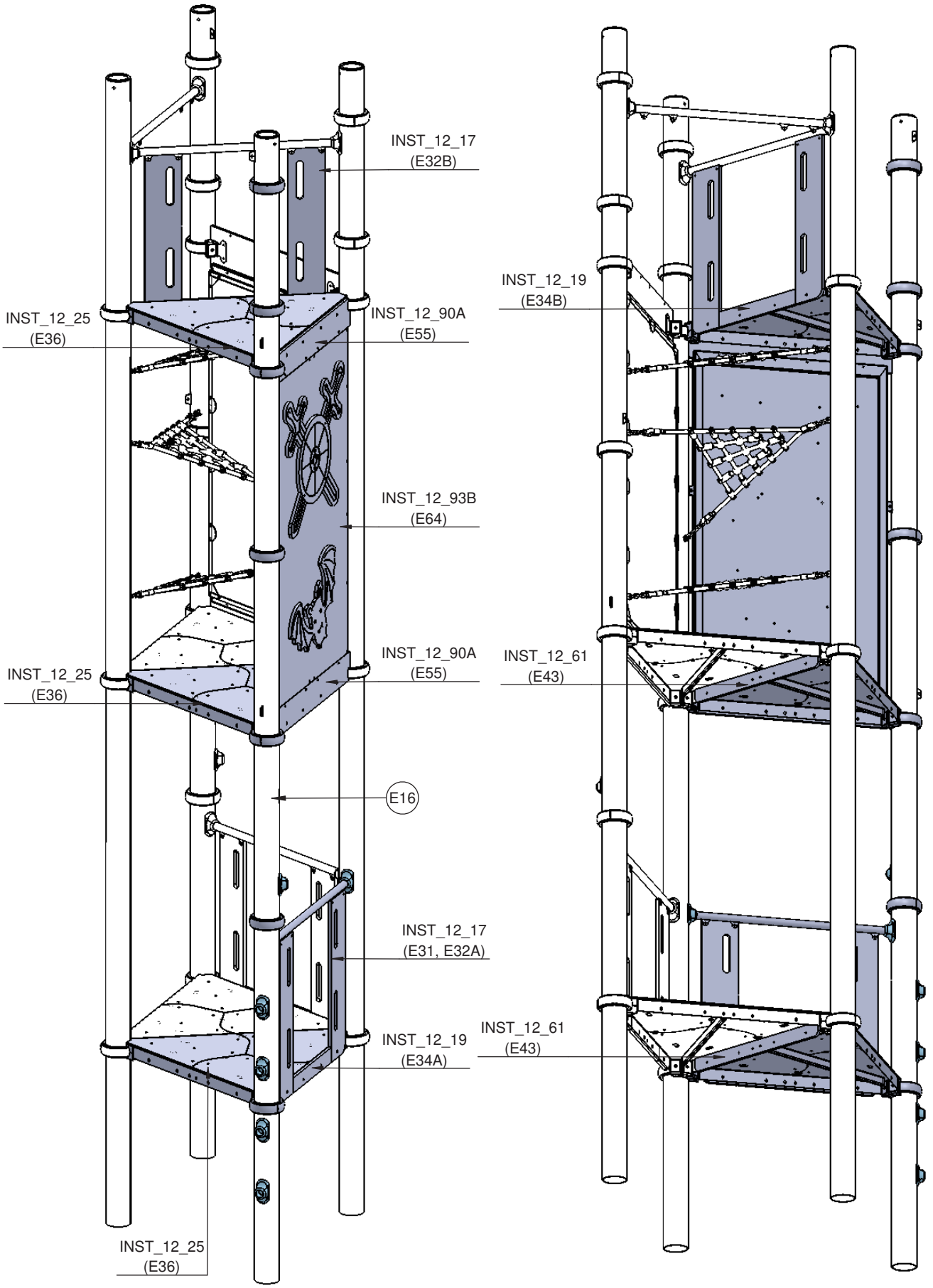
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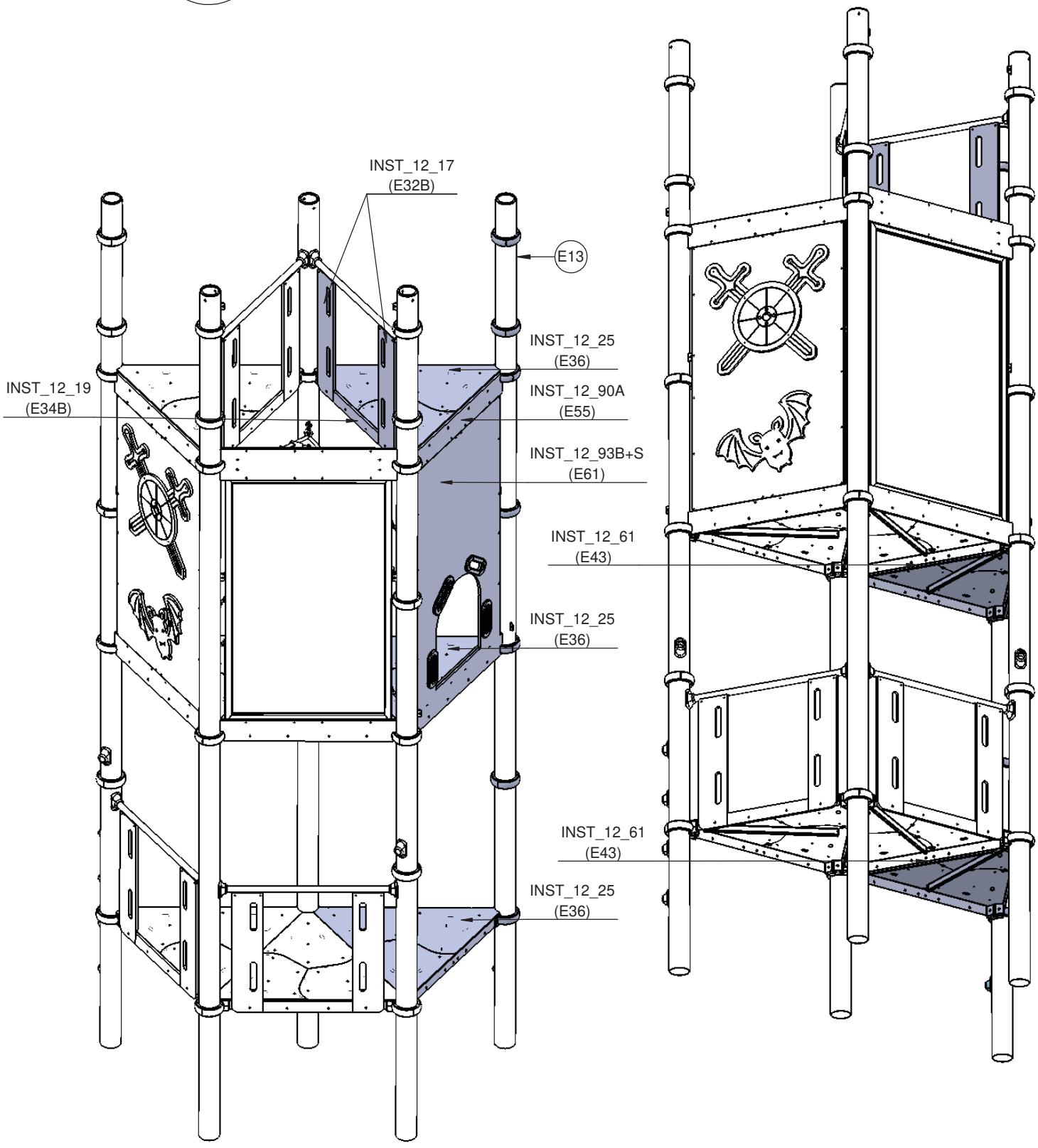
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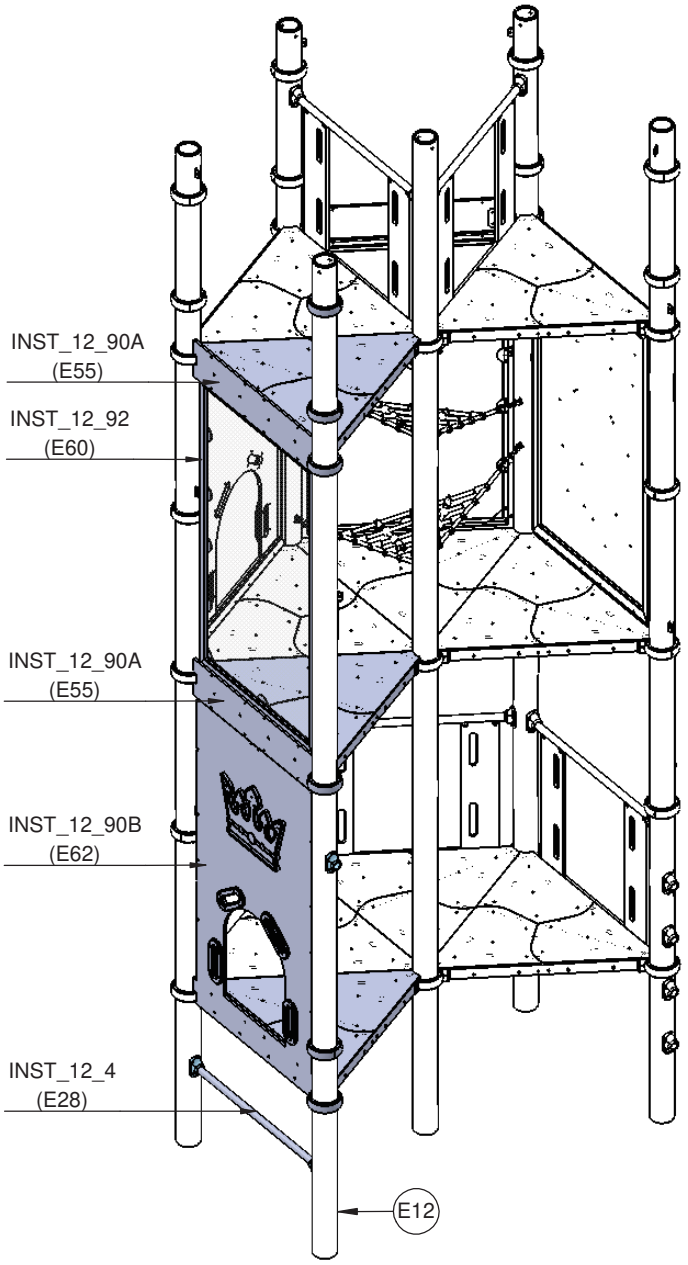
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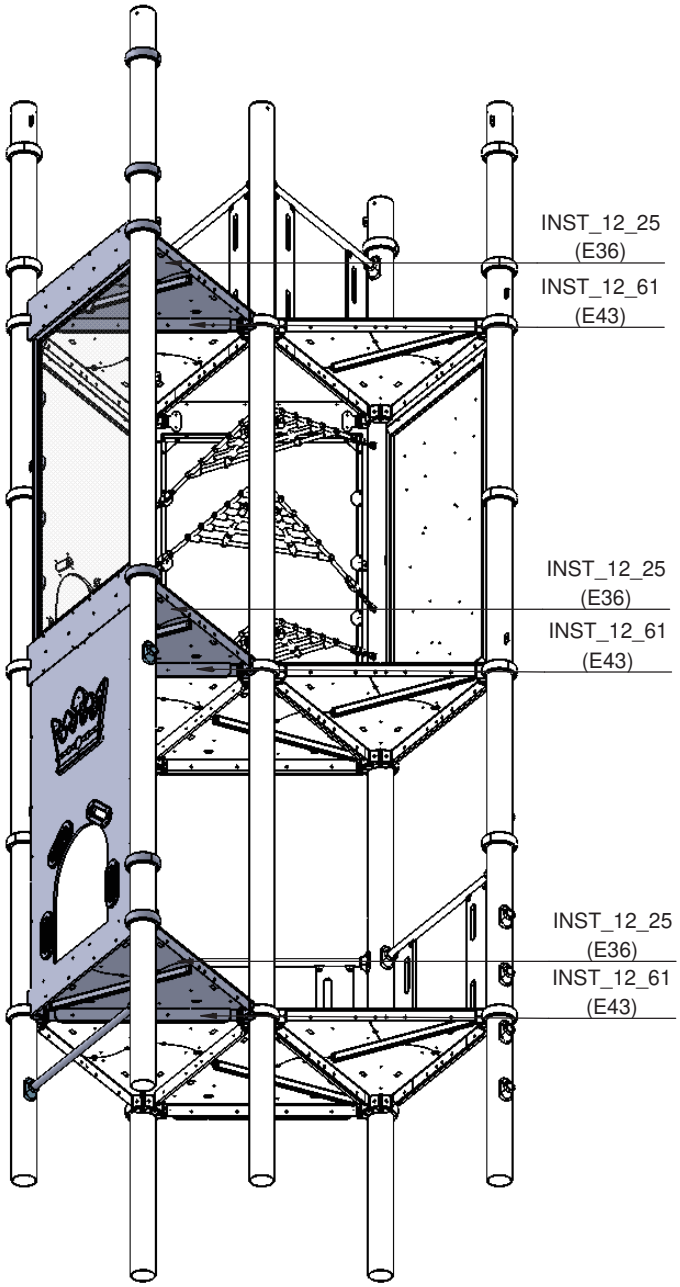


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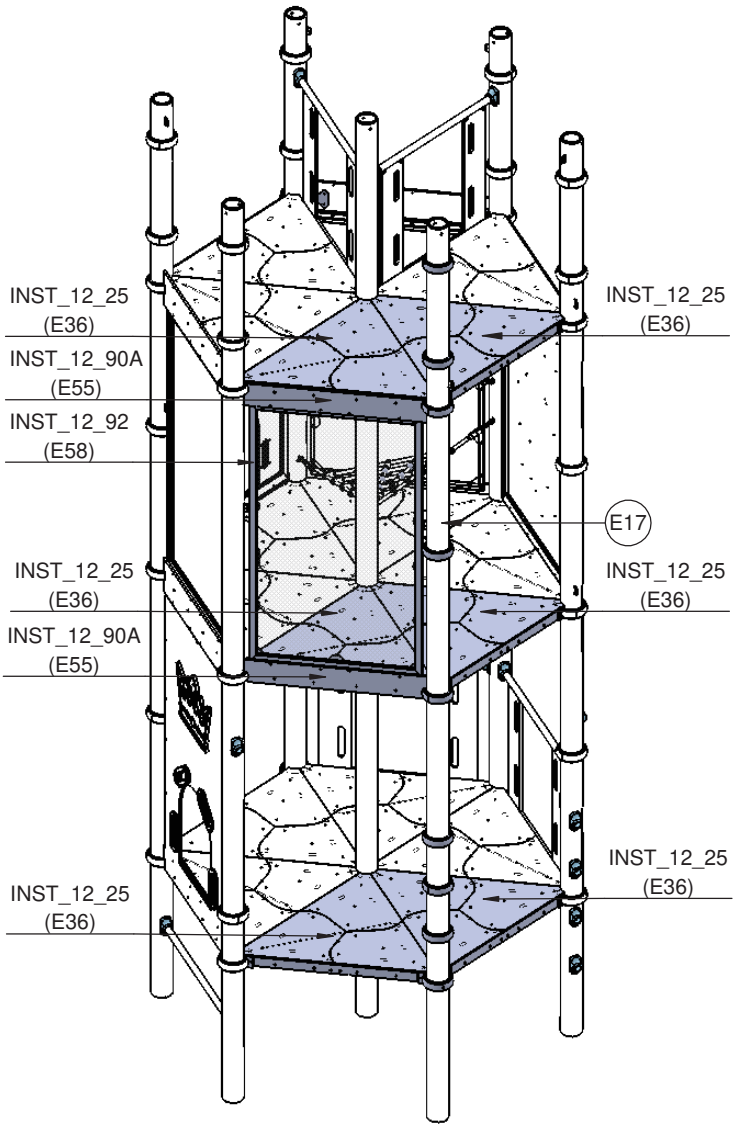


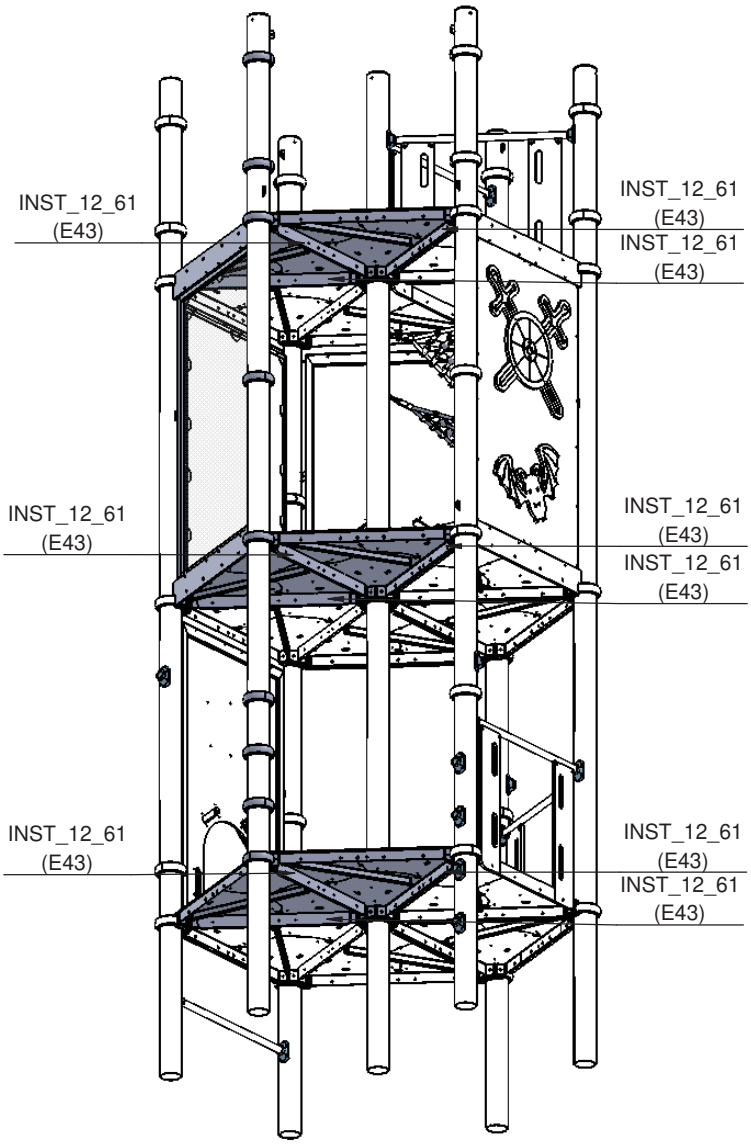
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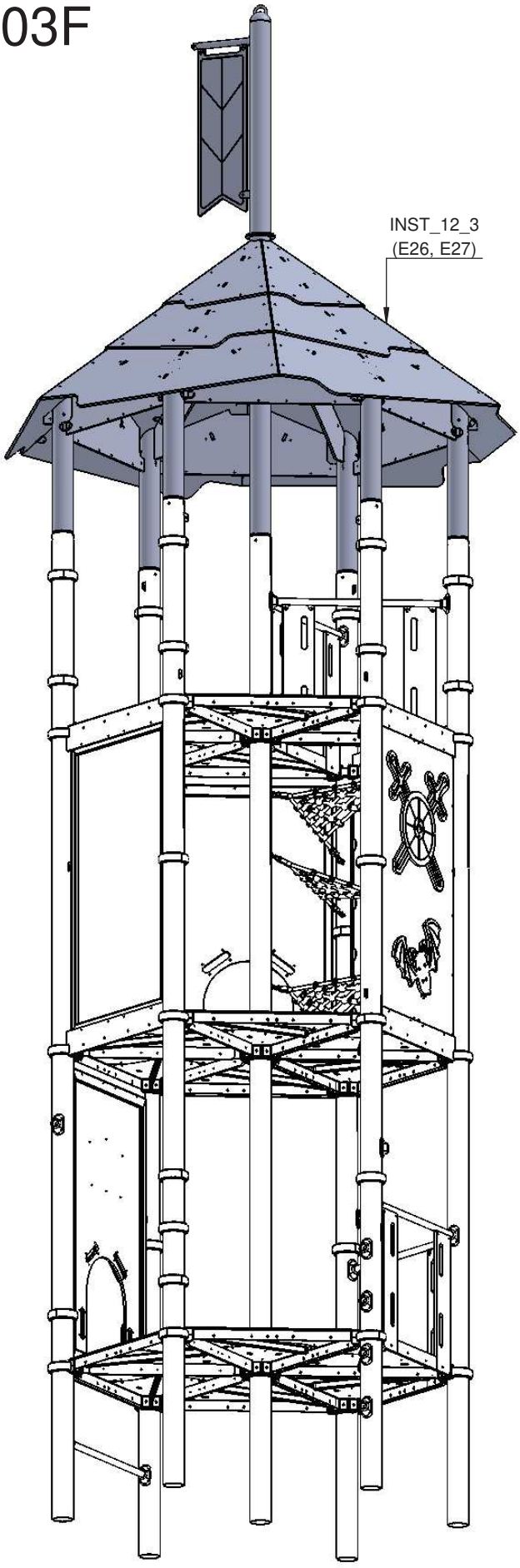


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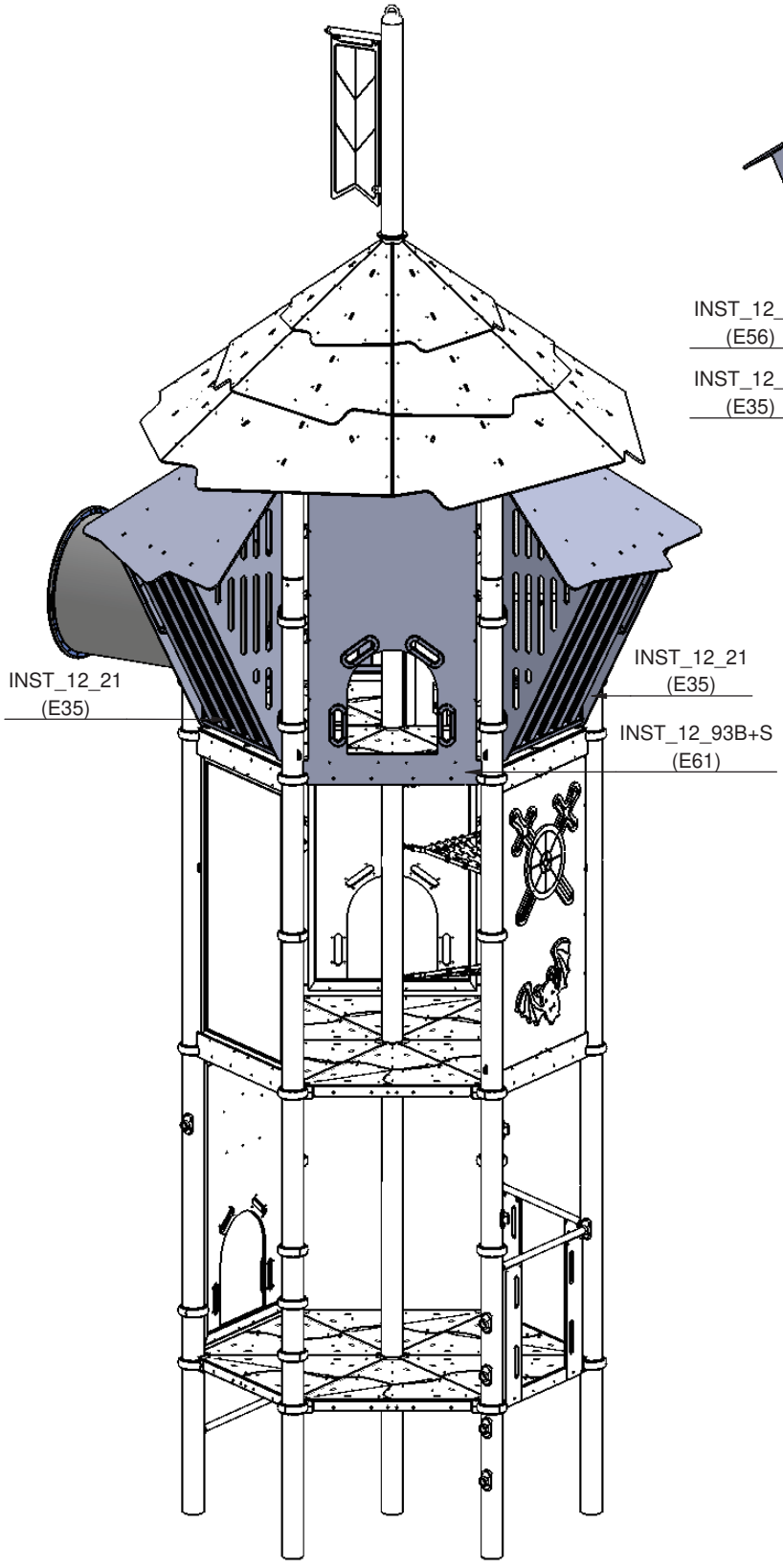


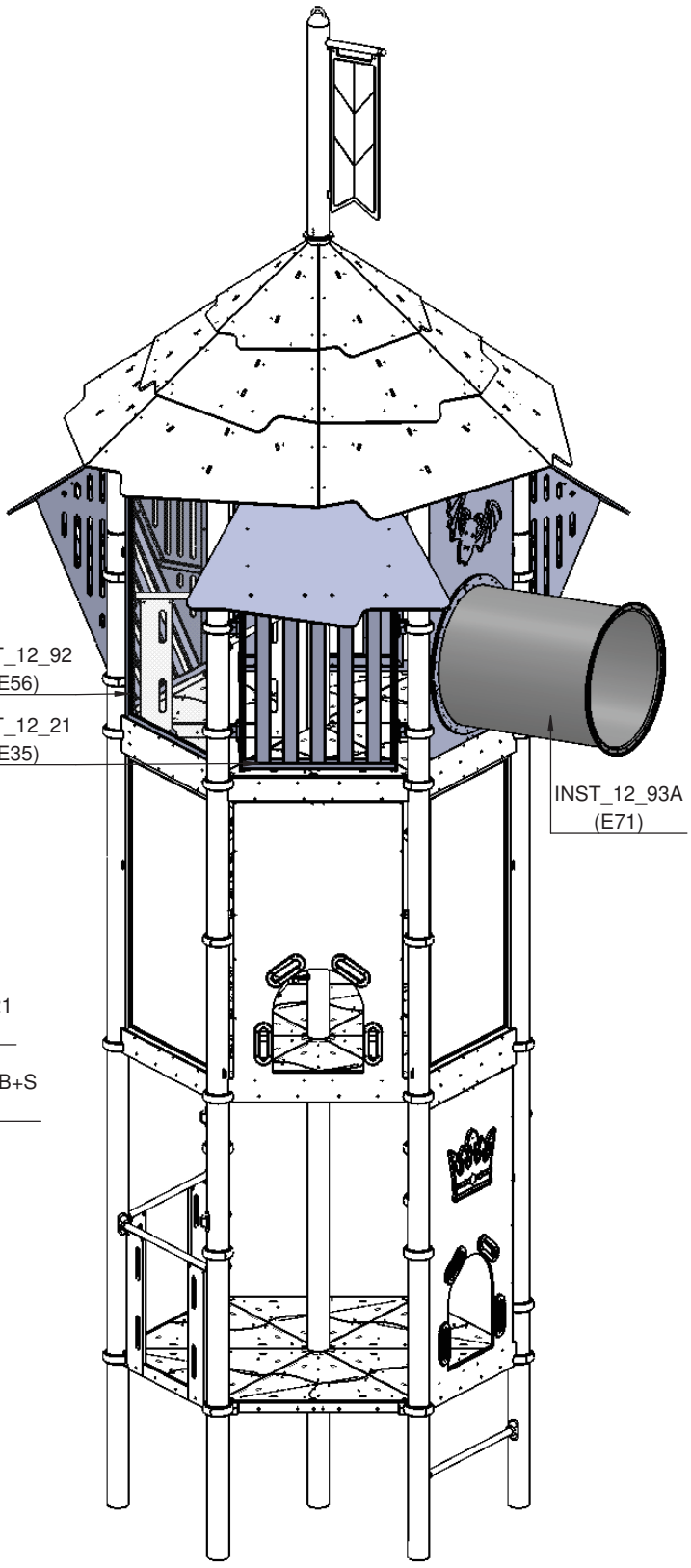


17 1403N
1403F

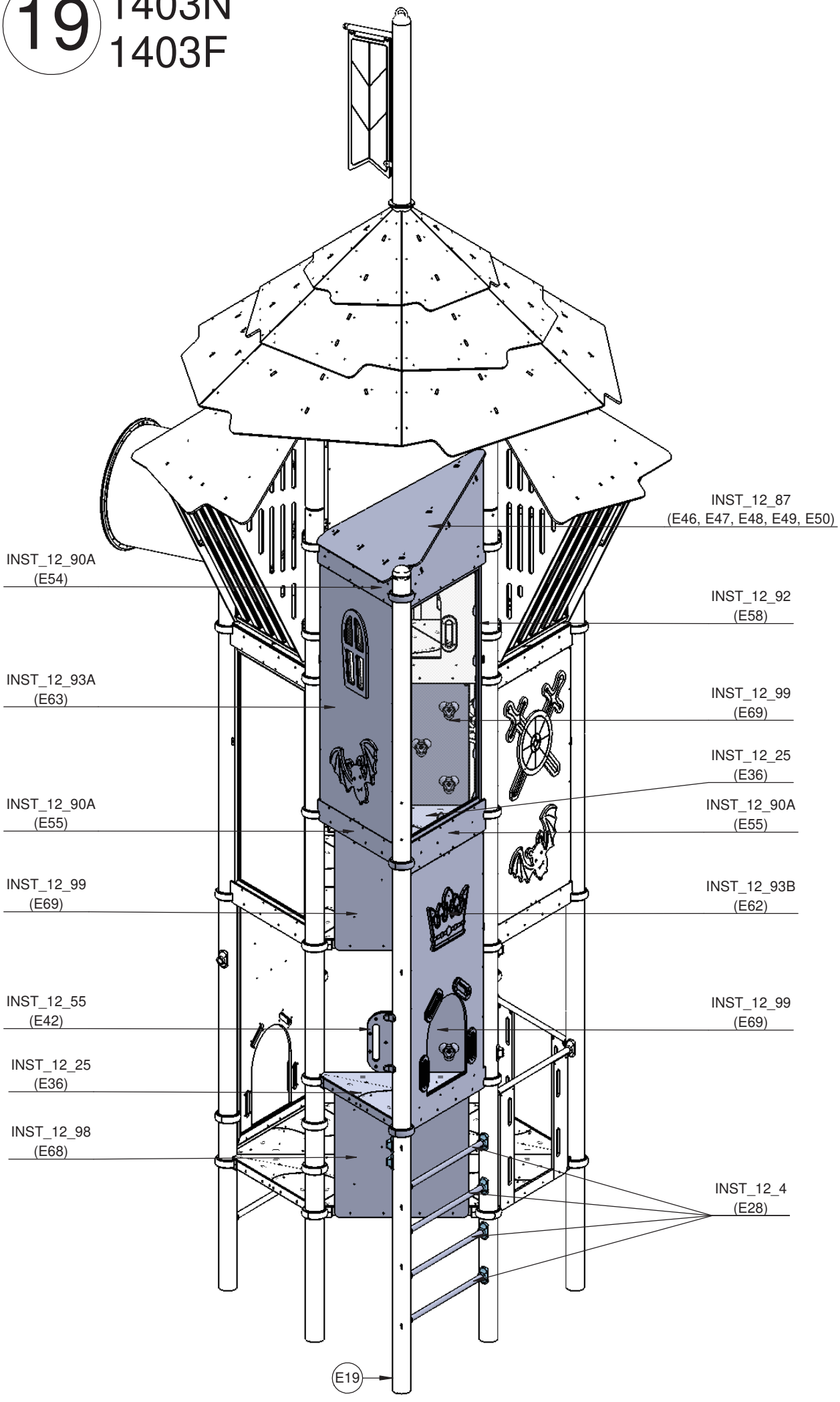


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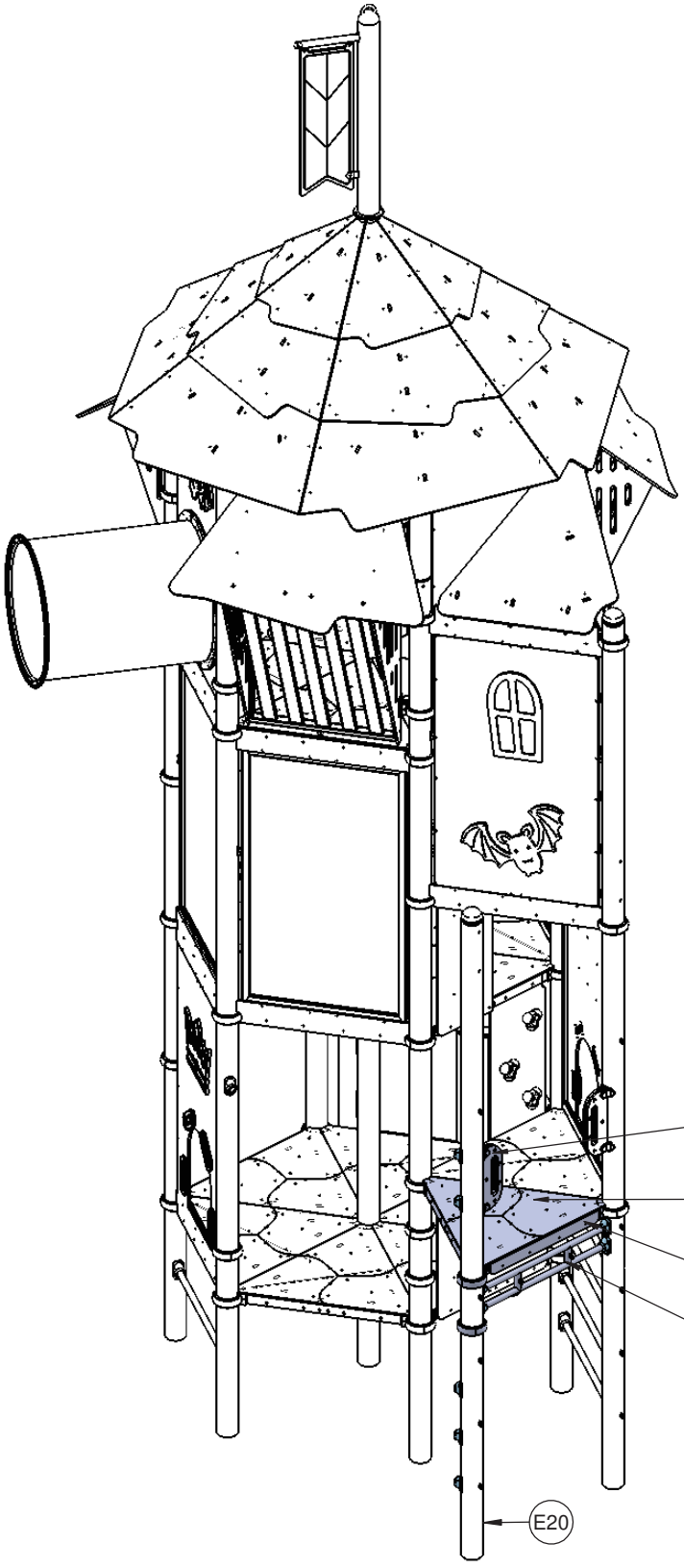


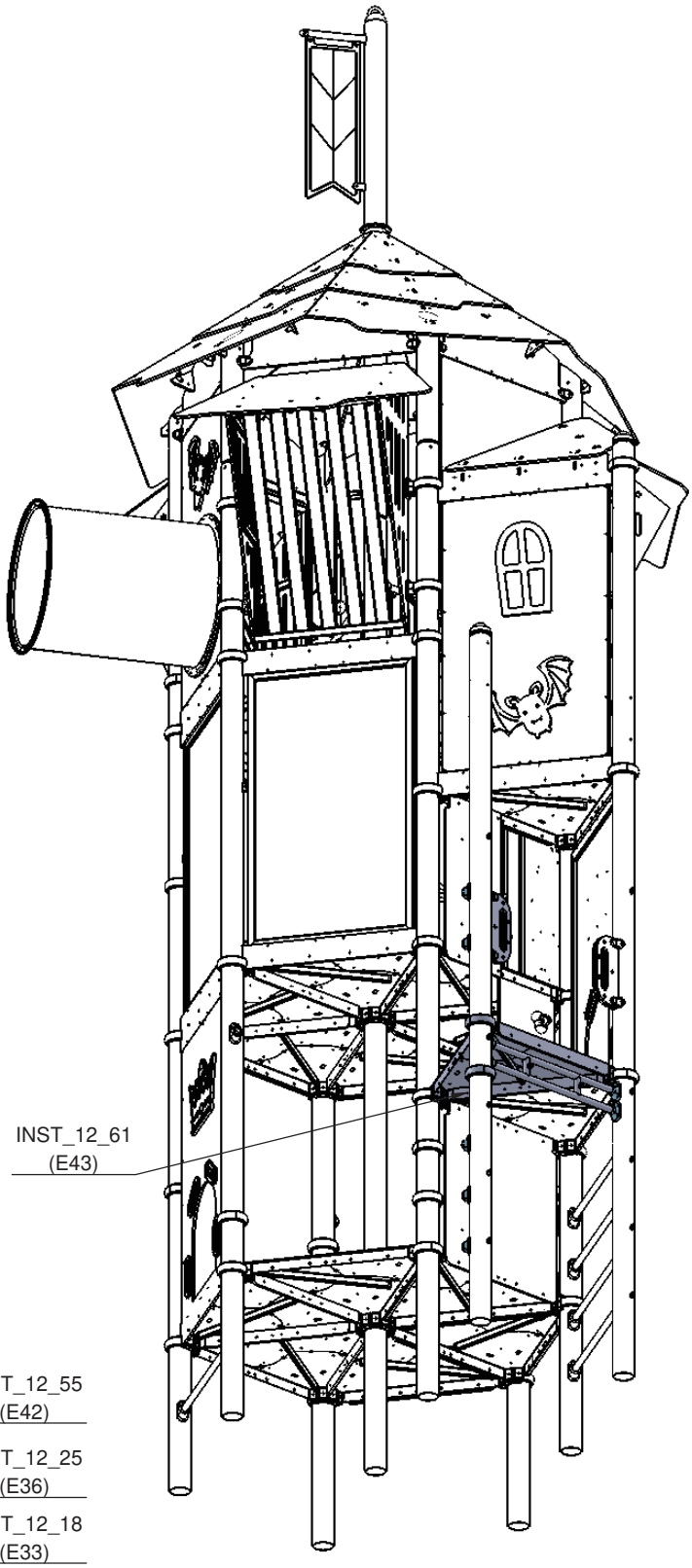


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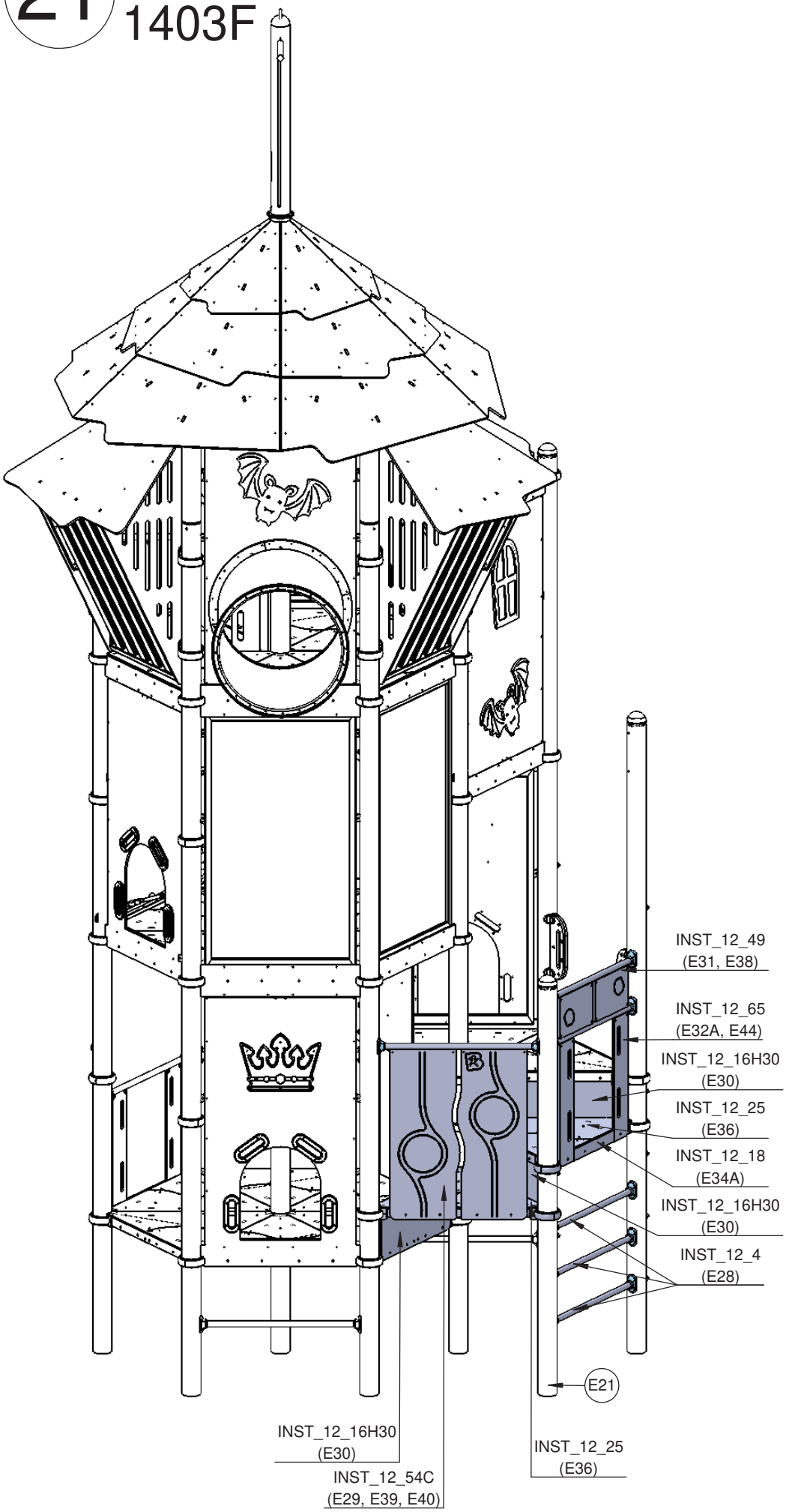


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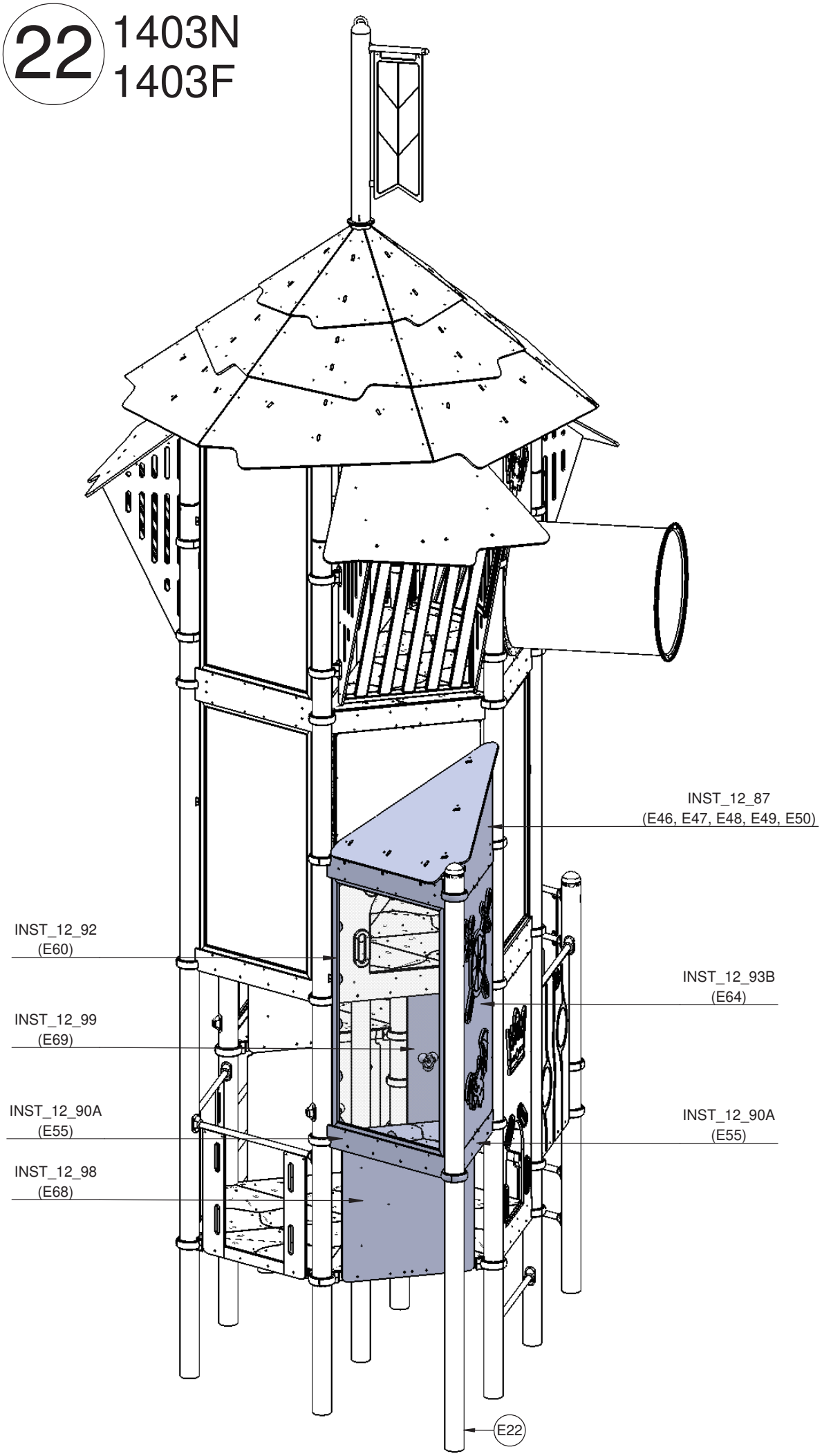




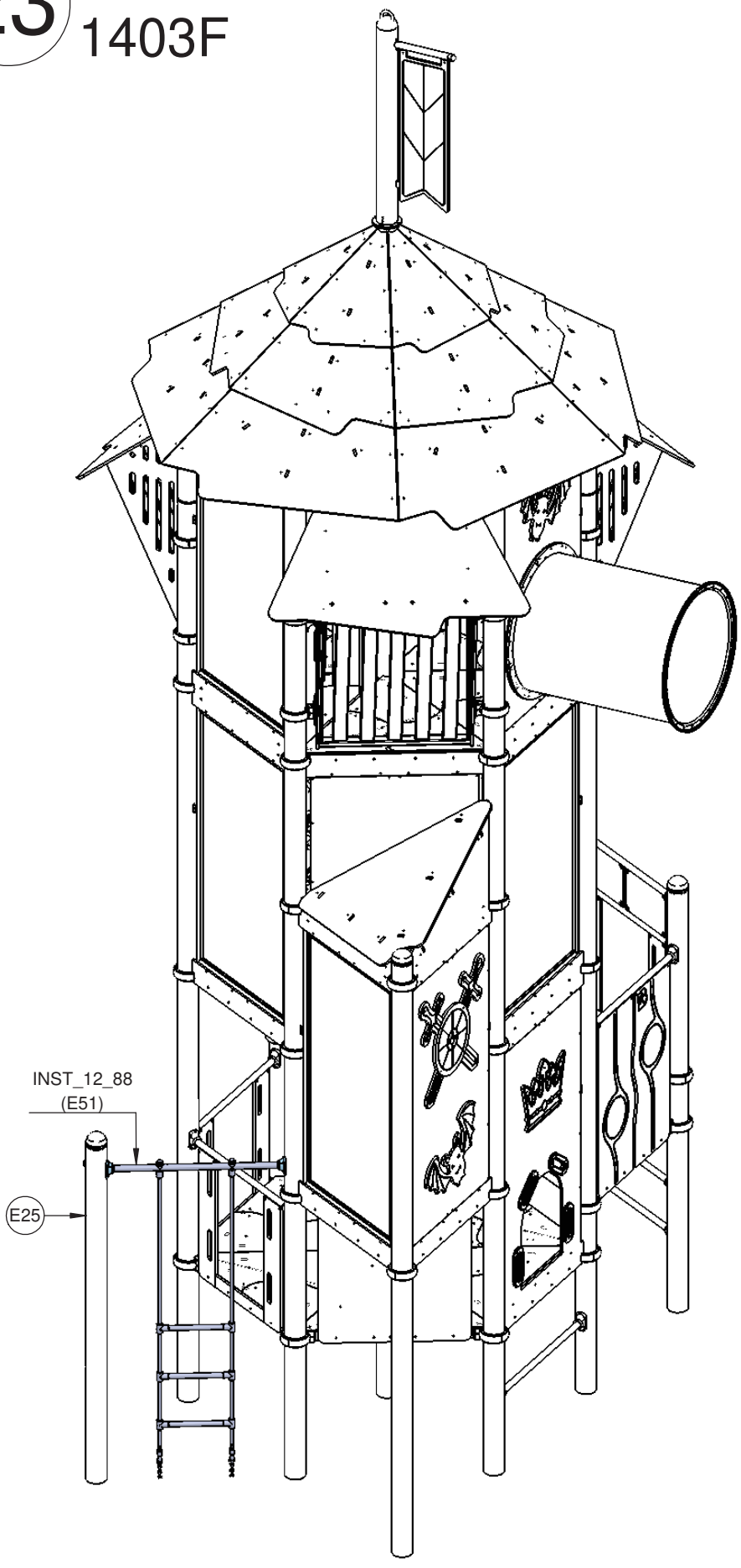
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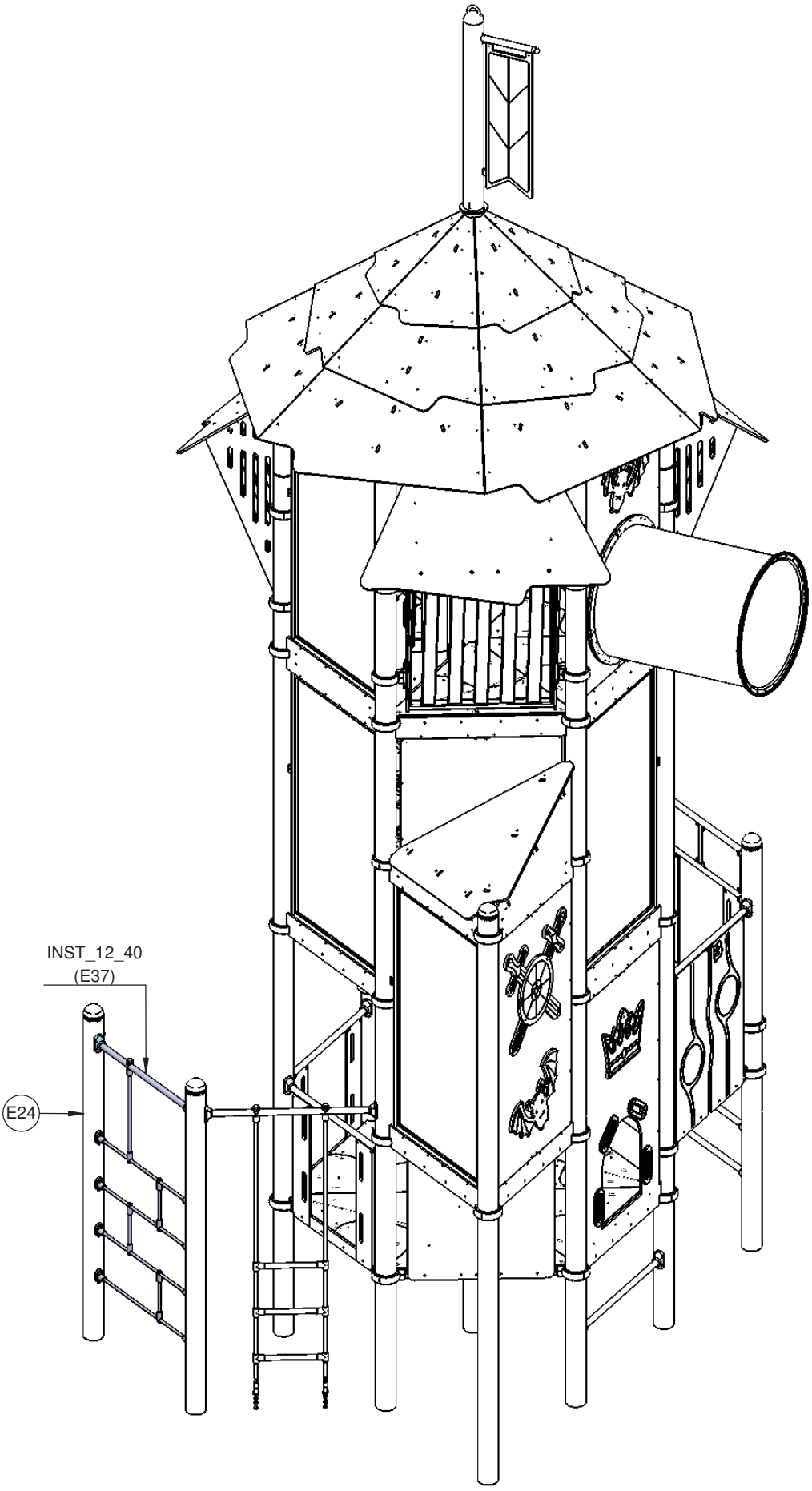
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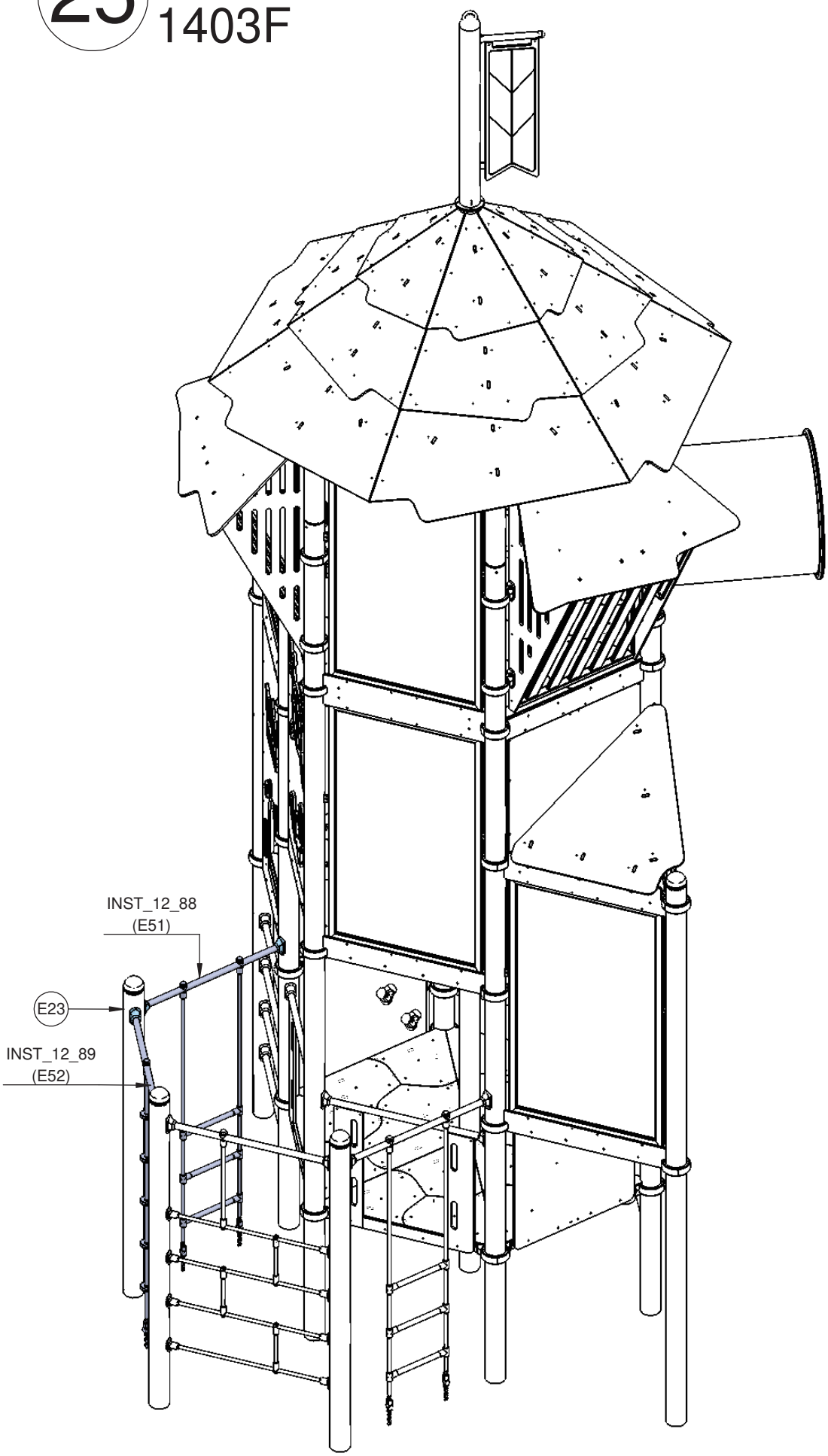
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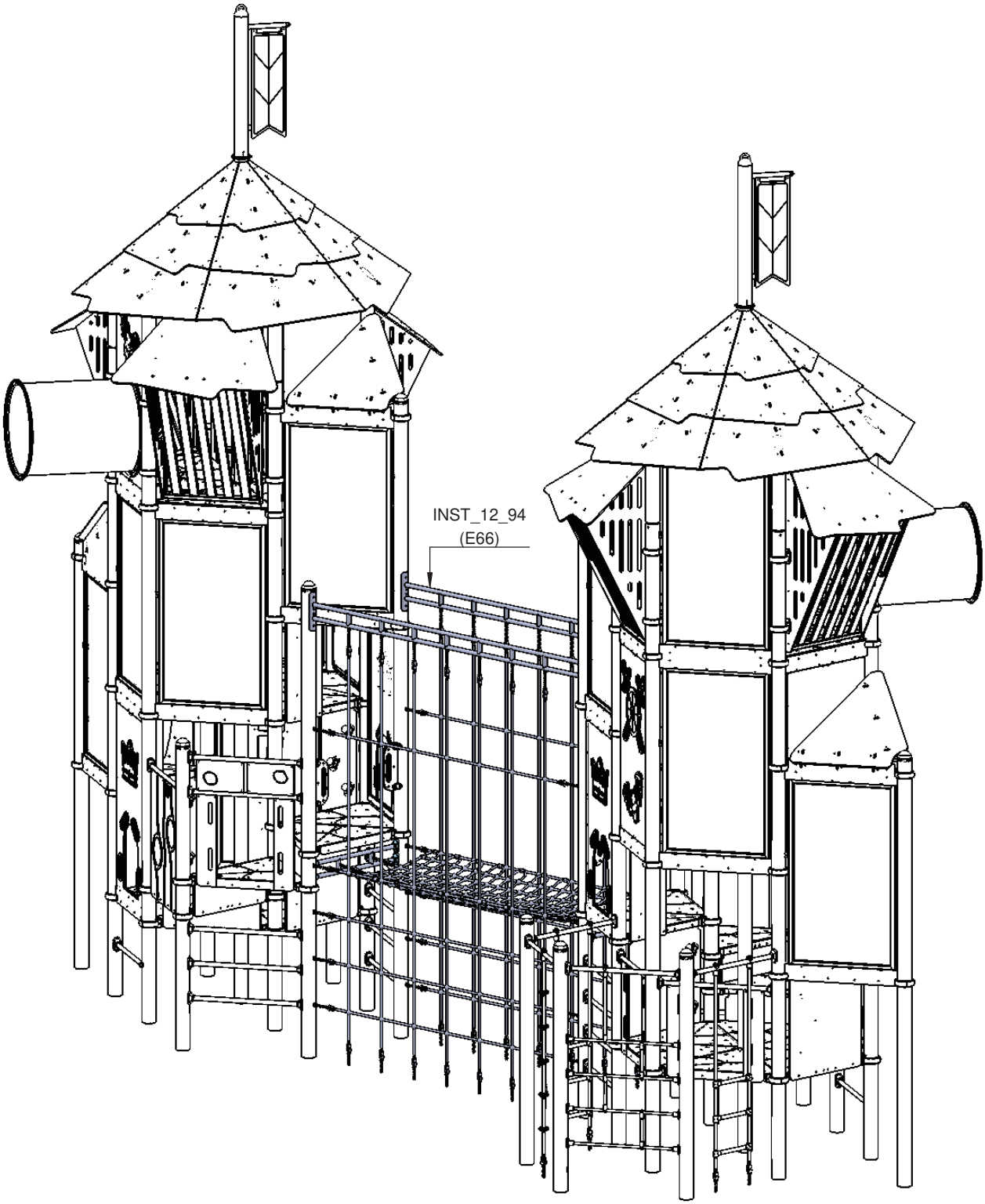
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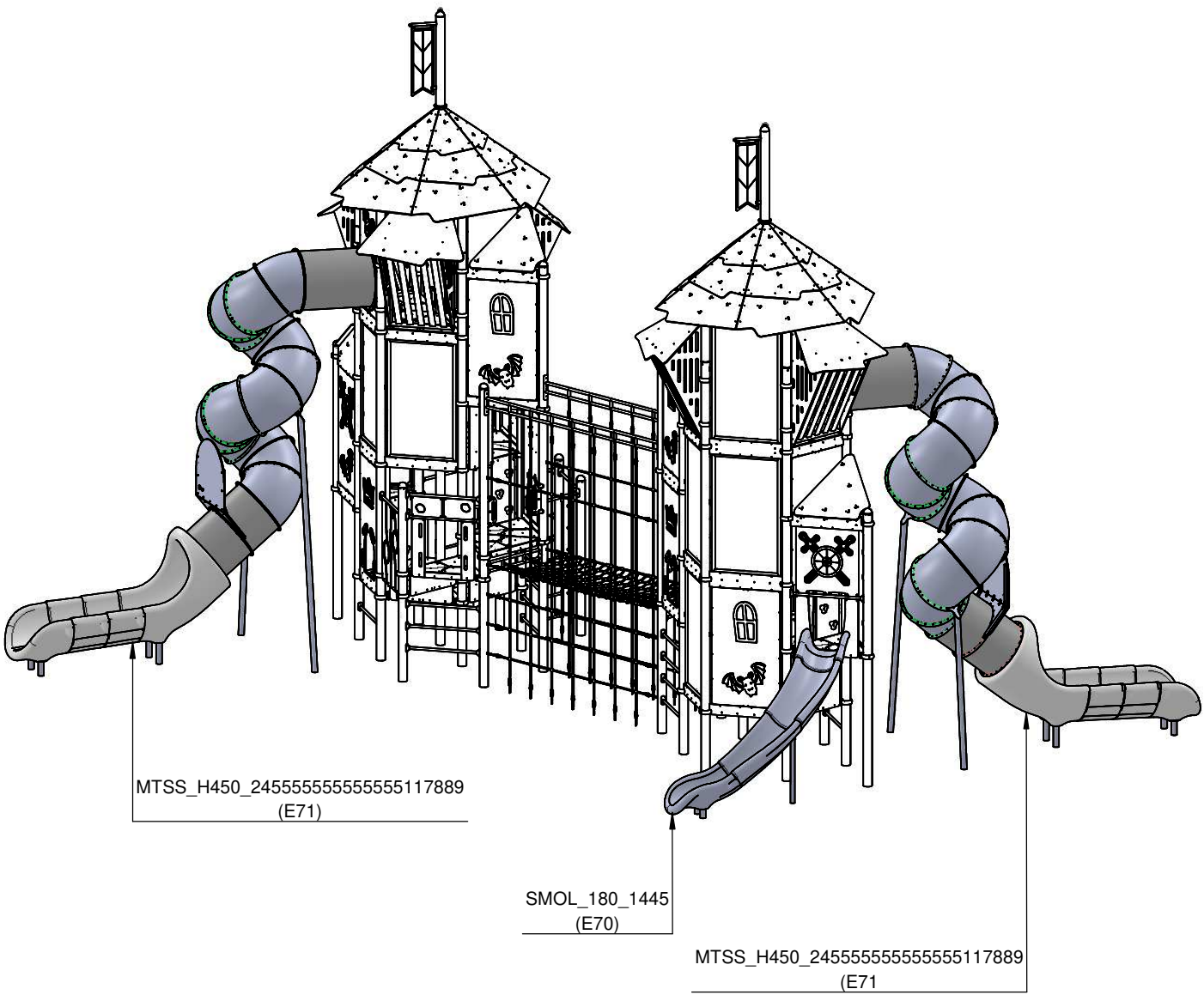
25 1403N 1403F



26 1403N 1403F

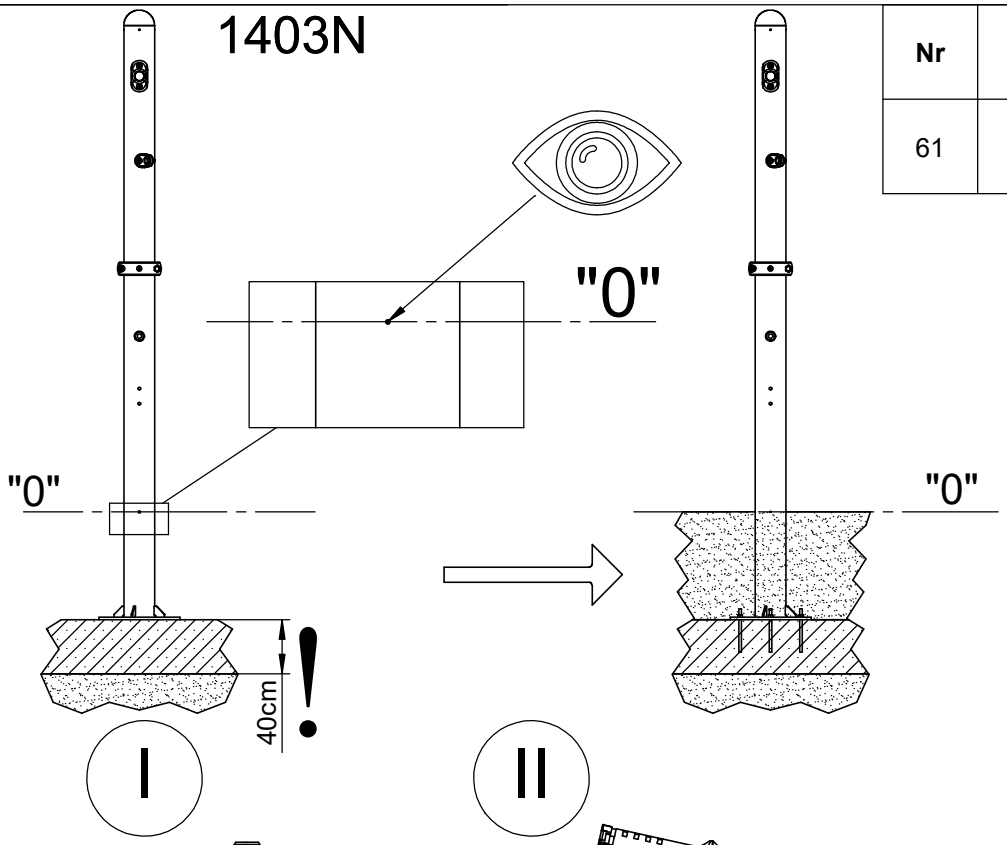


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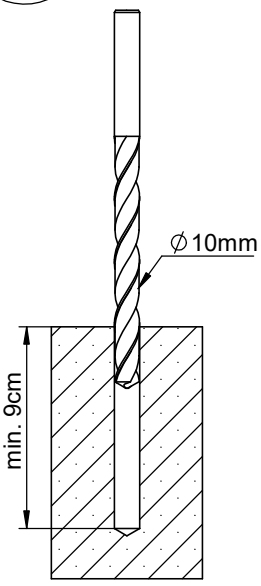
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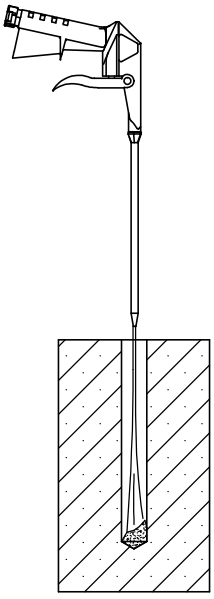
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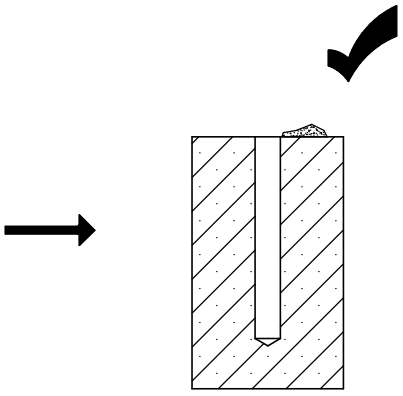


I

II





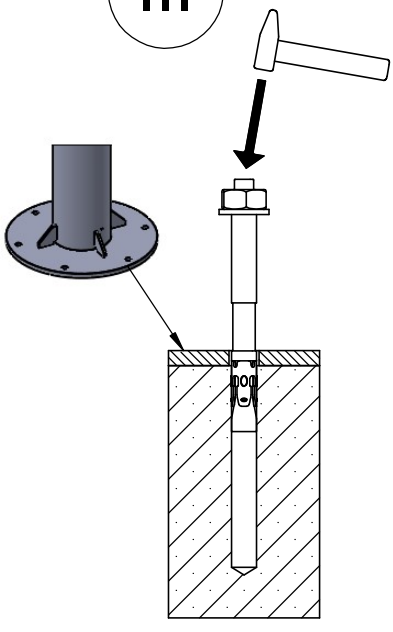


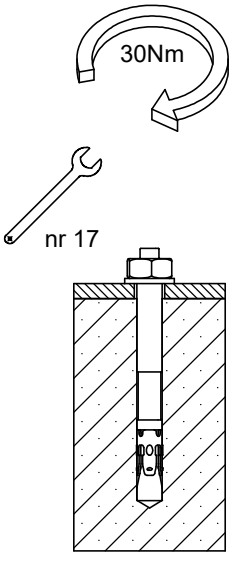
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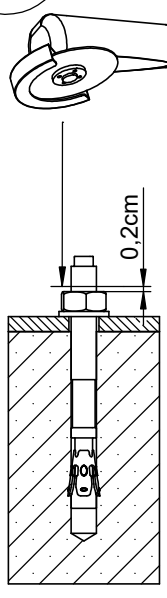
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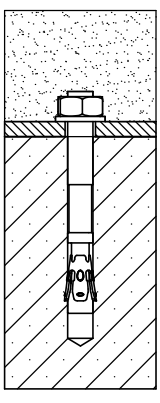
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VI



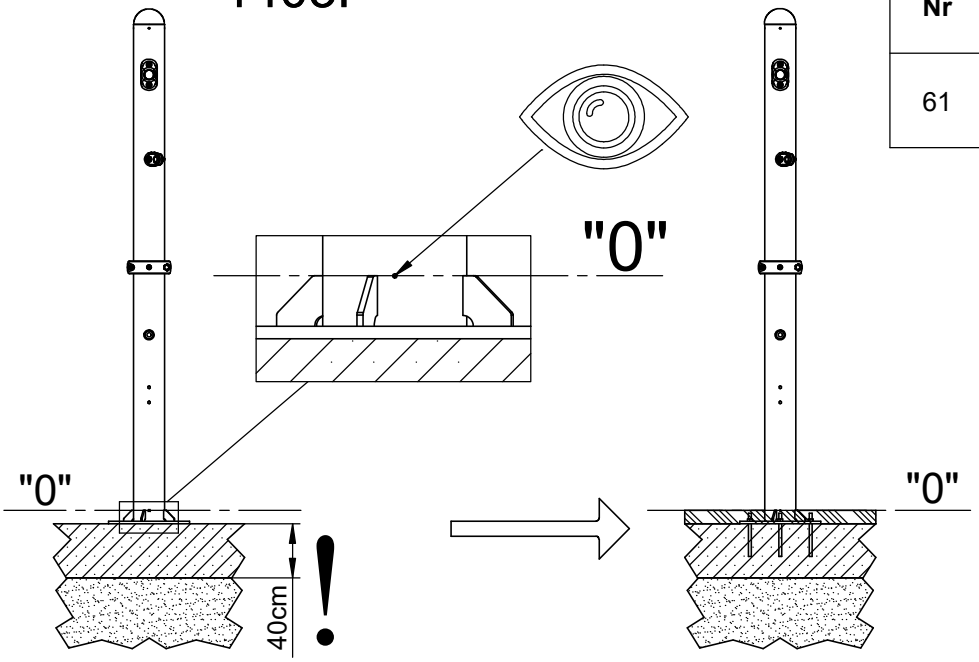


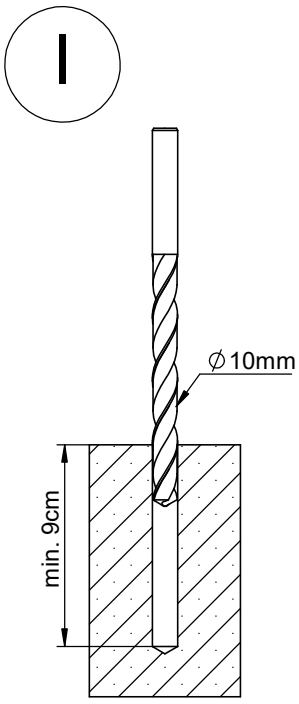


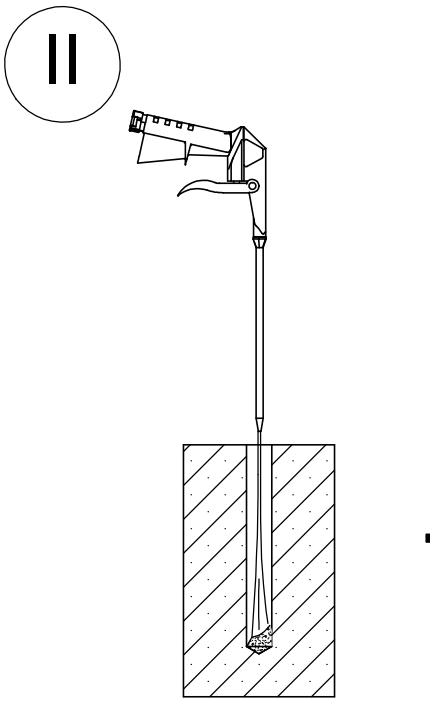


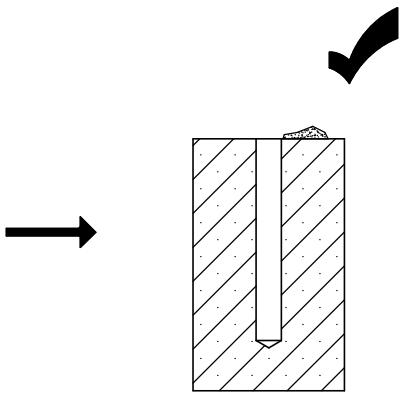
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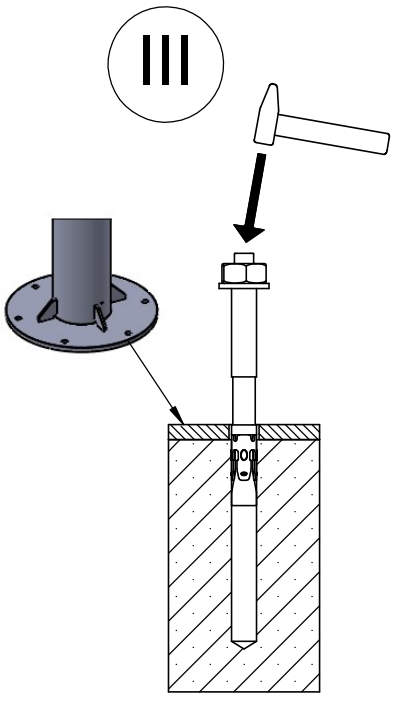
Nr	Element		
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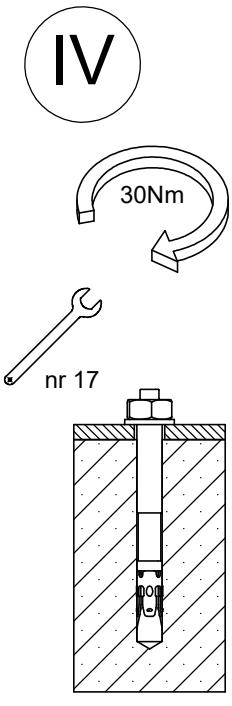


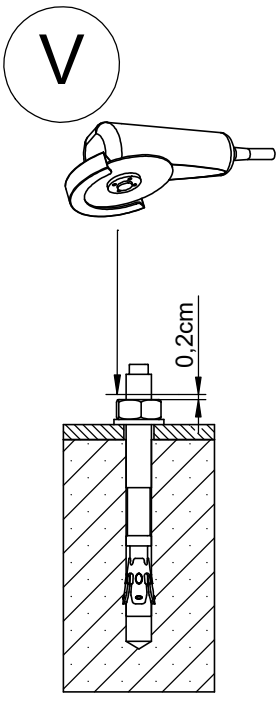


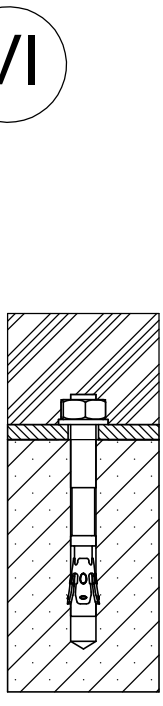




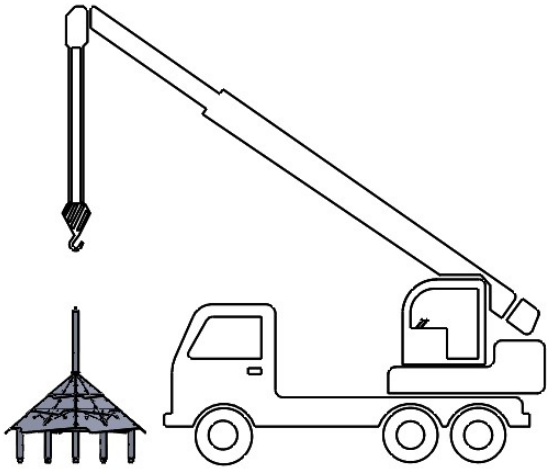








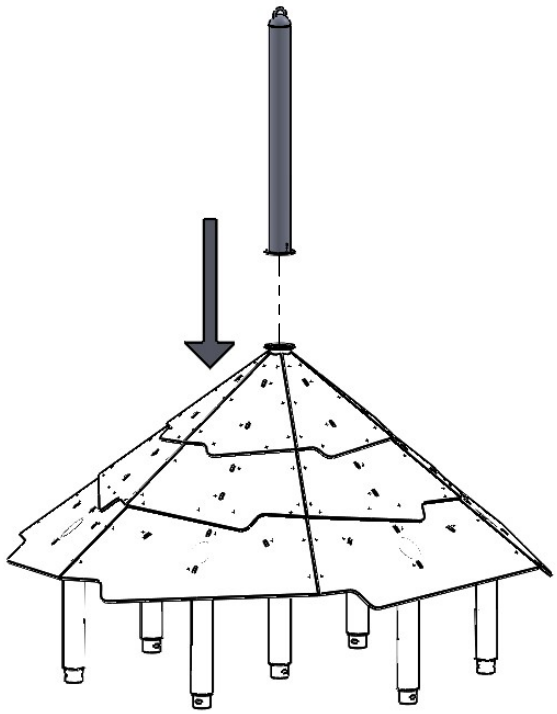
INST_12_3



300 KG

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5	7		DIN 985	M10
44	4		ISO 7380	M10x25
57	4		DIN 1587	M10
58	1		-	LOCTITE
77	14	R4	-	K3_d30_A89_G
78	14		-	Z3_d30_G
176	7		DIN 931	M10x140

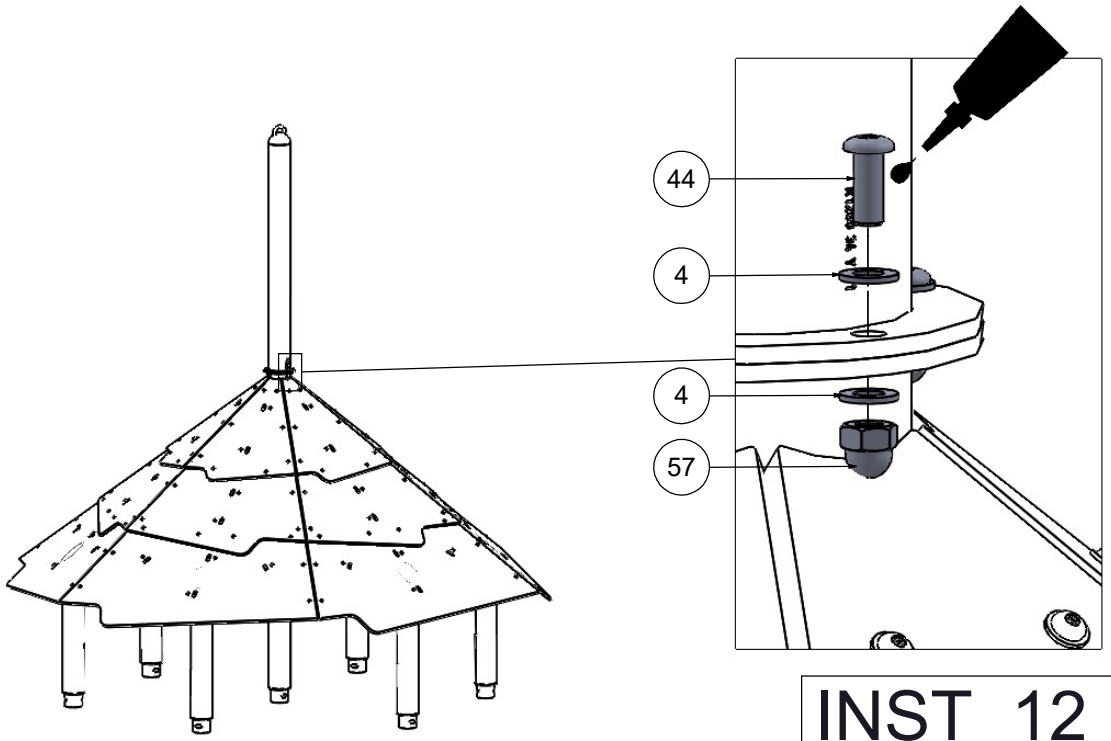
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Nr. 17

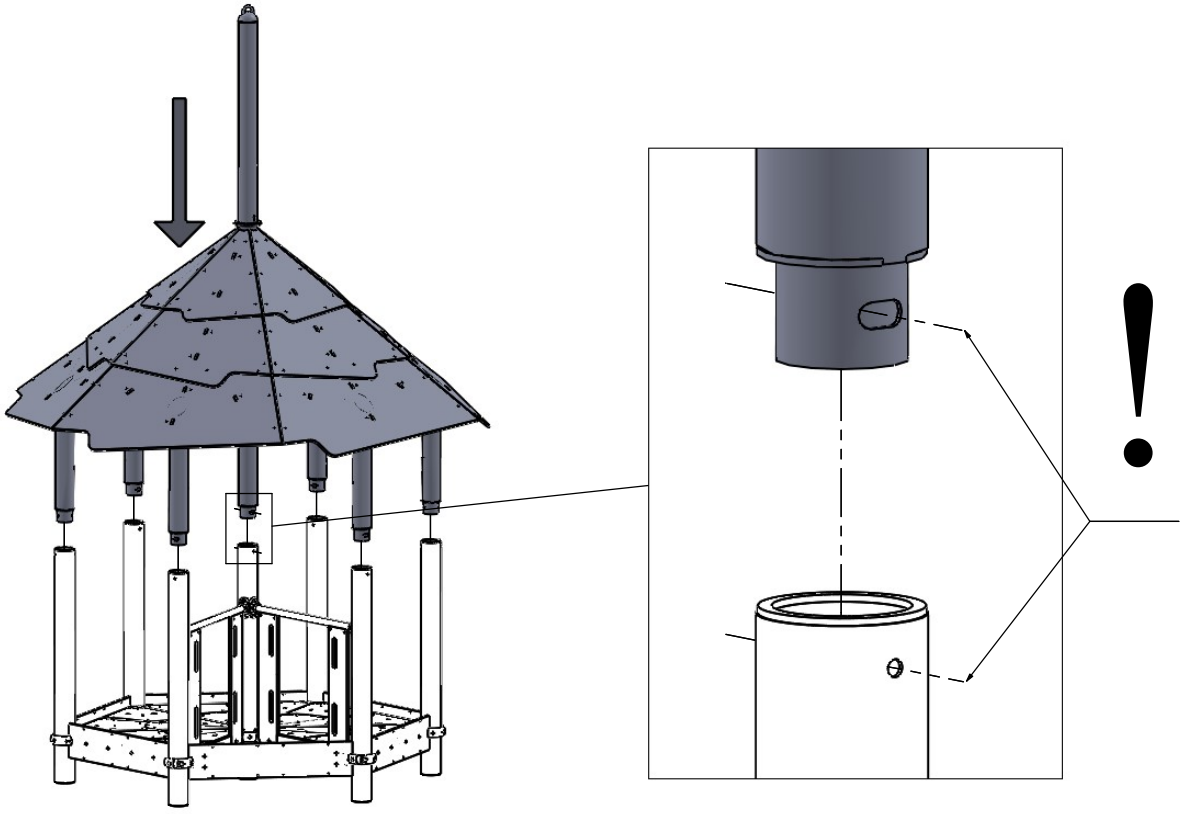
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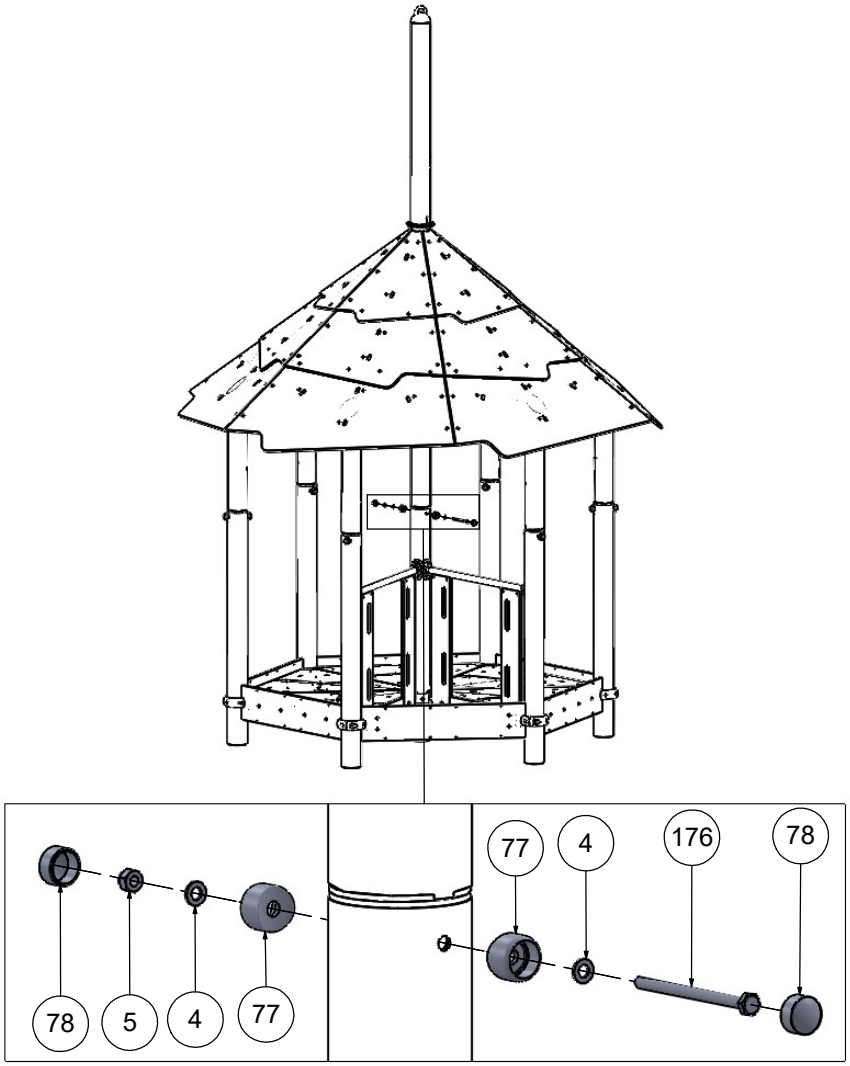
INST_12_3 1/2

INST_12_3

3



4



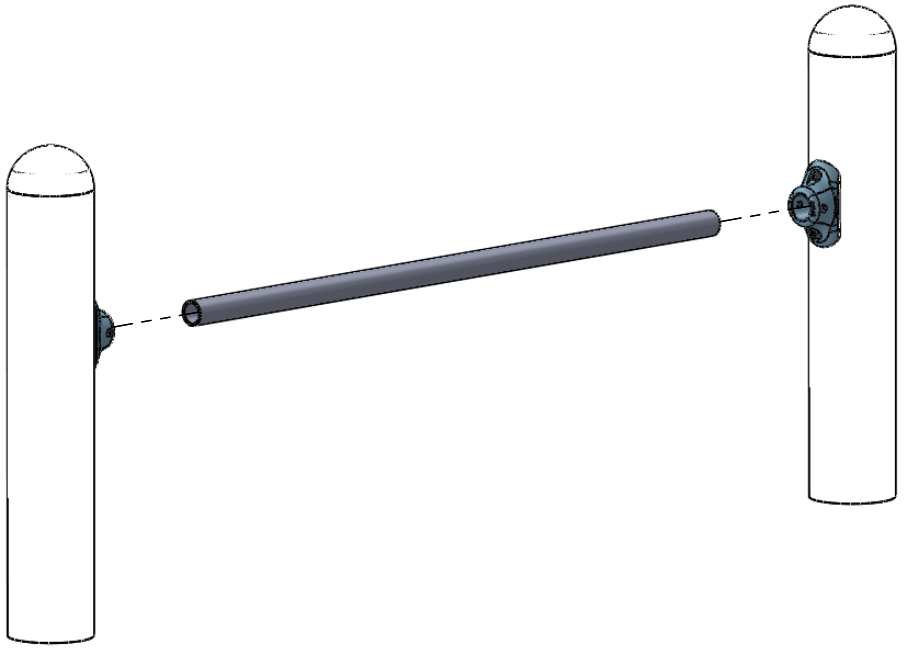
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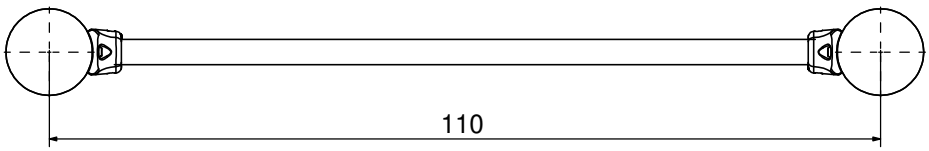
Nr	Σ	Element		
58	1		-	LOCTITE



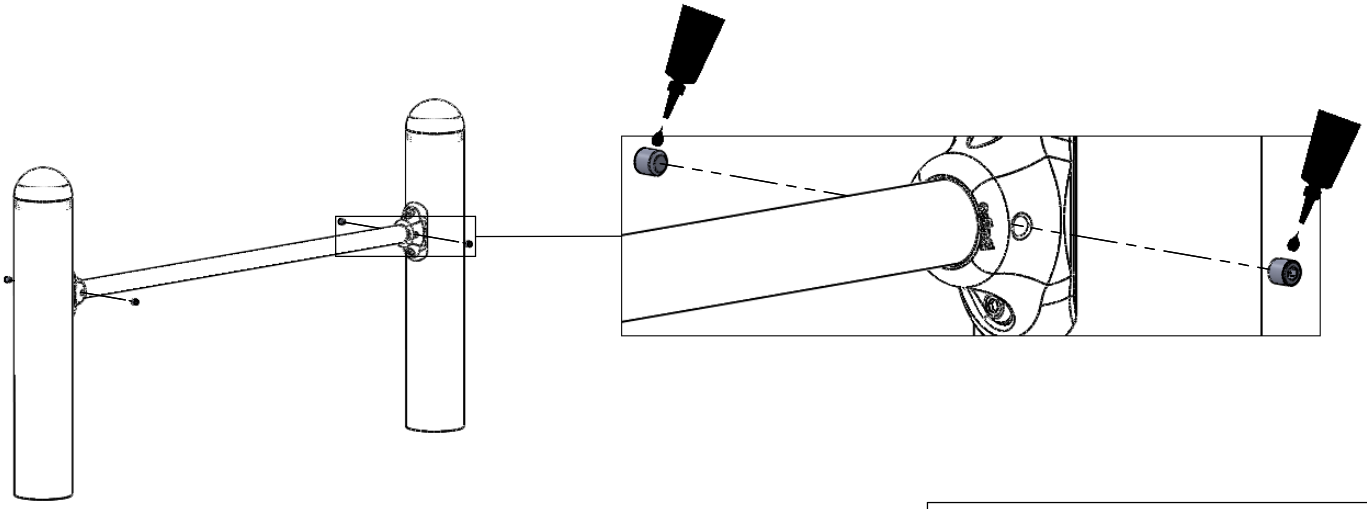
Nr. 5

1





2



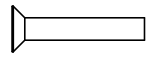
INST_12_16_H30



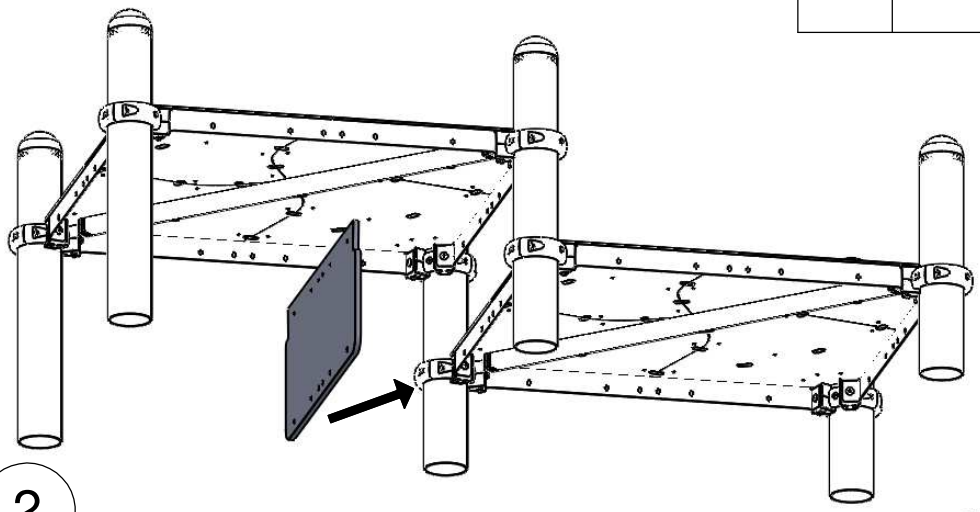
Nr. 4



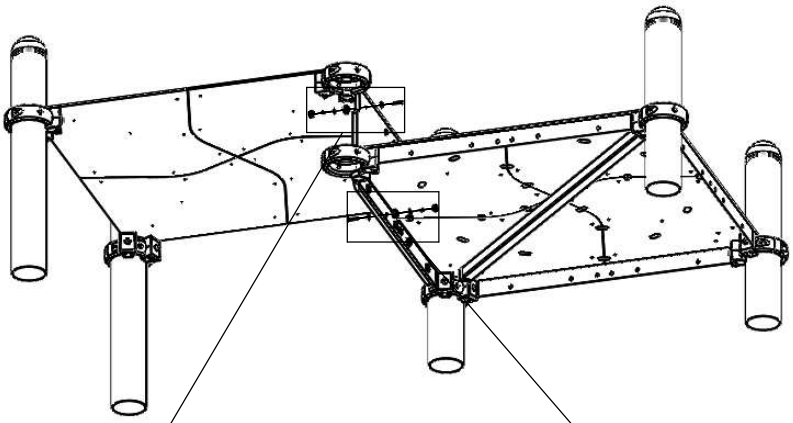
Nr. T30

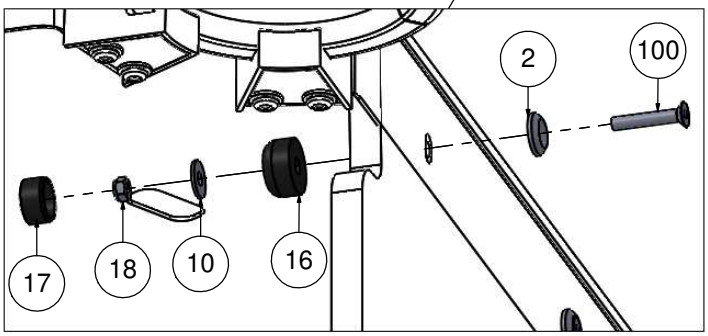
Nr	Σ	Element		
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10	12		DIN 9021	6x18
16	12		-	K1_d21_B
17	12		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
100	12		DIN 7991	M6x35

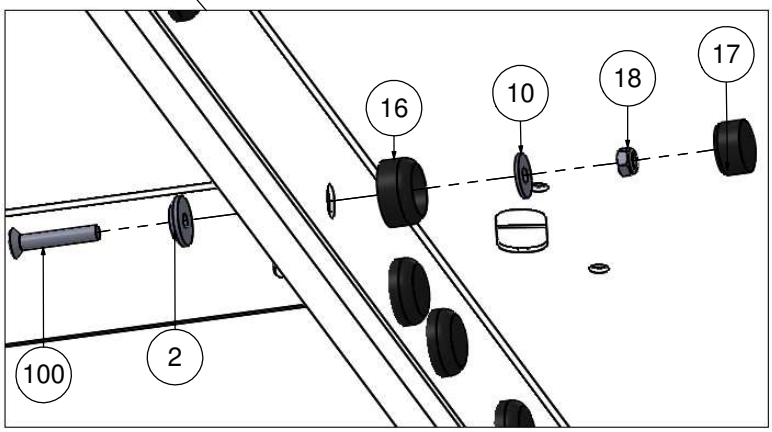
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2

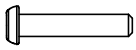






INST_12_17

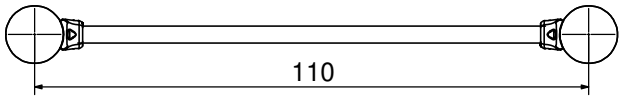


Nr	Σ	Element		
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15	6		ISO 7380	M6x30
16	6		-	K1_d21_B
17	6		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
22	6		DIN 125	6x12
58	1		-	LOCTITE

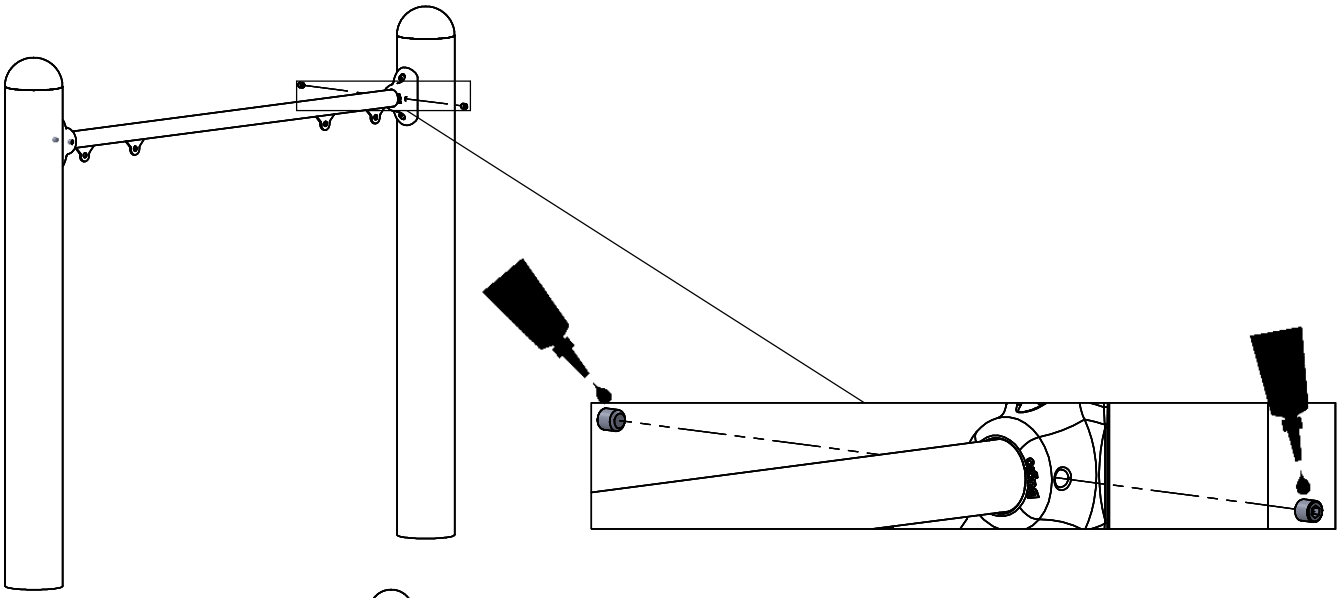
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Nr. 4, 5 Nr. T30

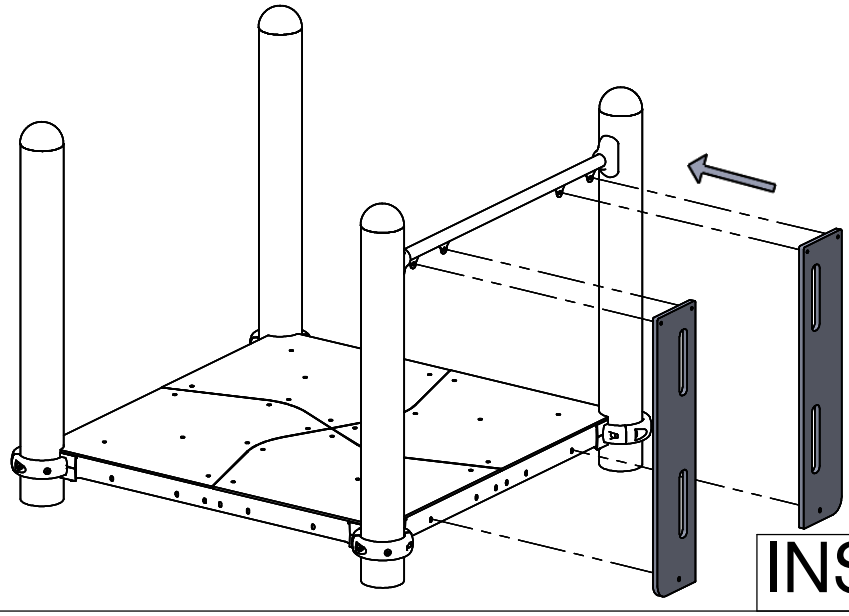




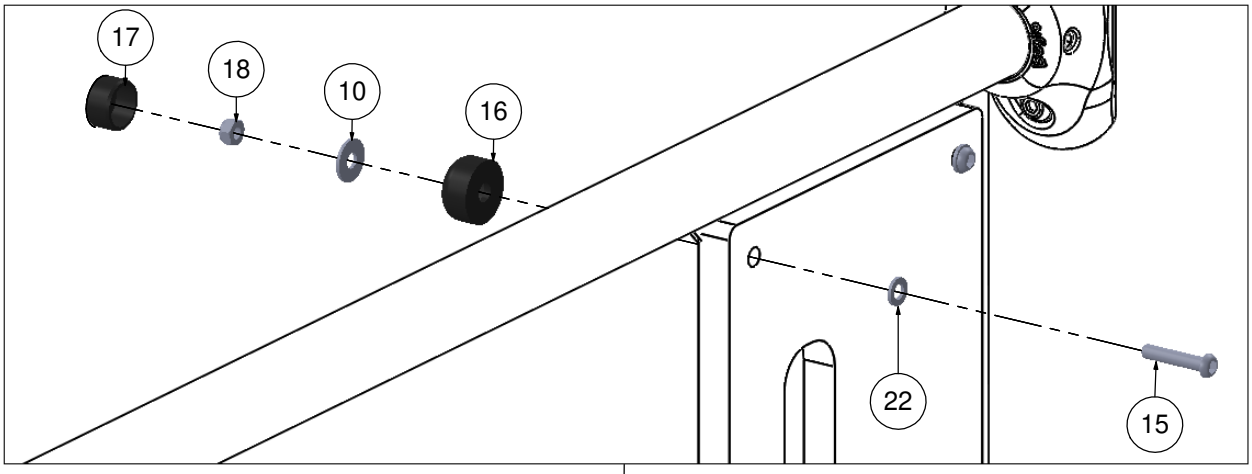
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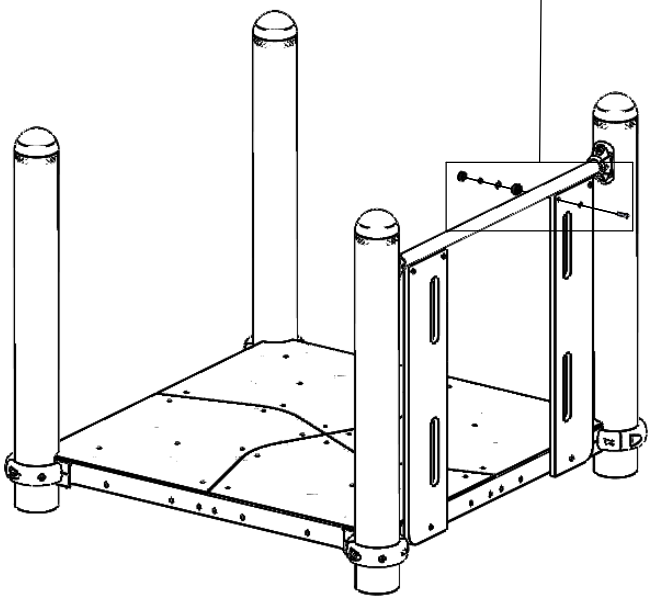


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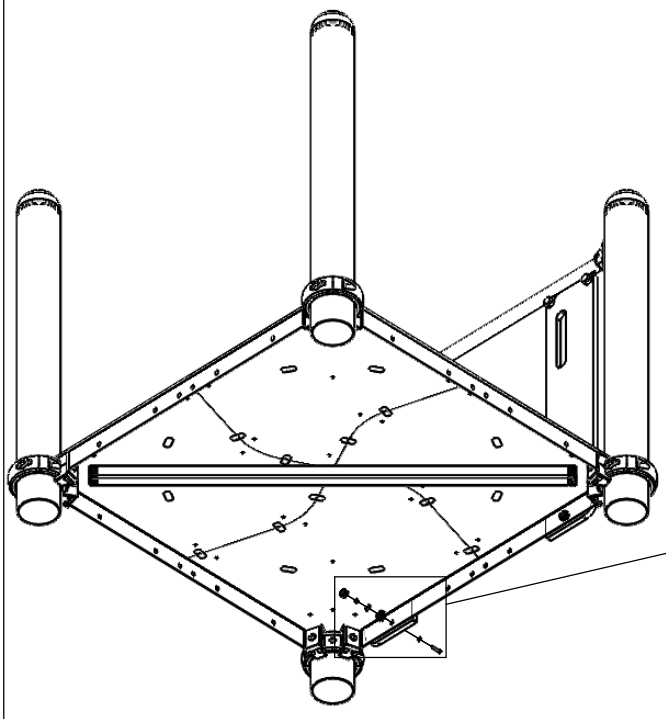


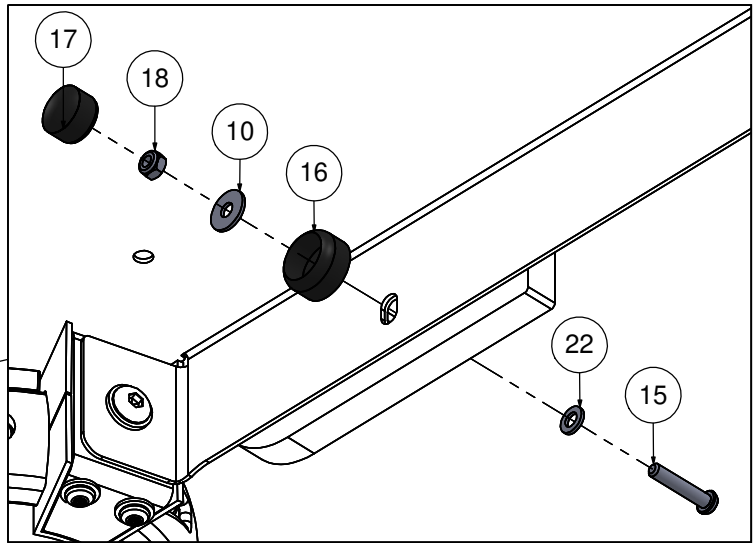
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5





INST_12_18

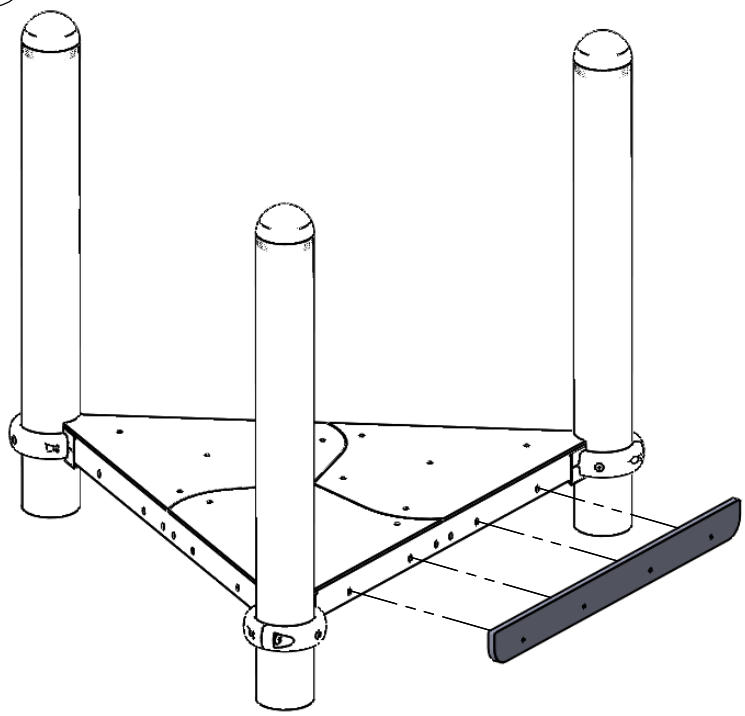




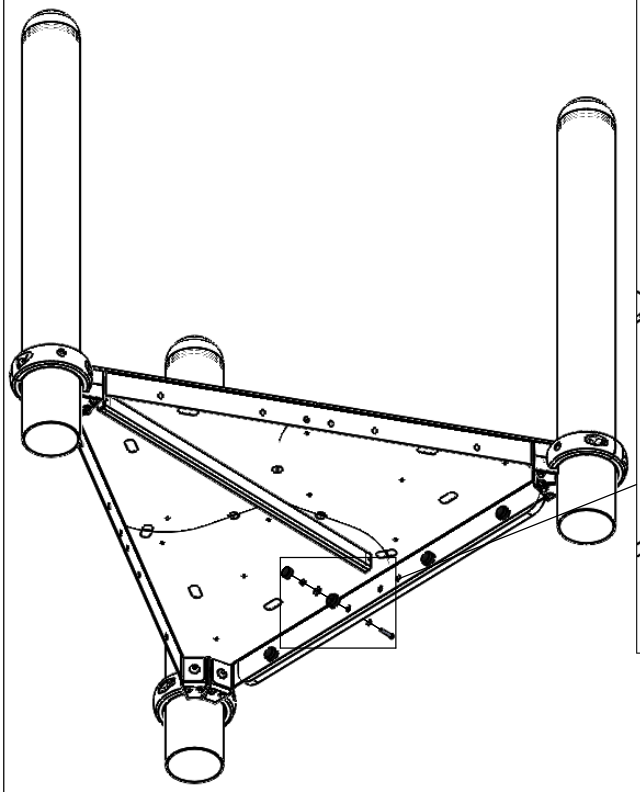
Nr. 4 Nr. T30

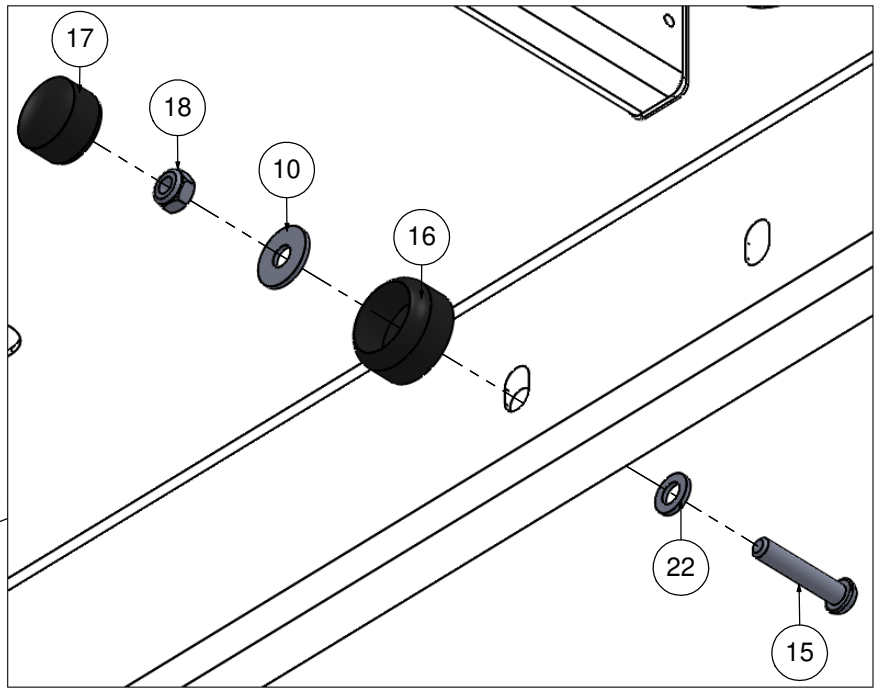
Nr	Σ	Element		
10	4		DIN 9021	6x18
15	4		ISO 7380	M6x30
16	4		-	K1_d21_B
17	4		-	Z1_d21_B
18	4		DIN 985	M6 (OC)
22	4		DIN 125	6x12
58	1		-	LOCTITE

1

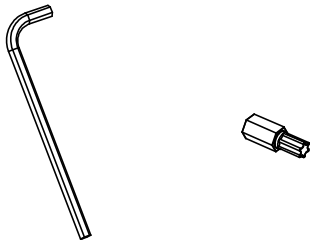


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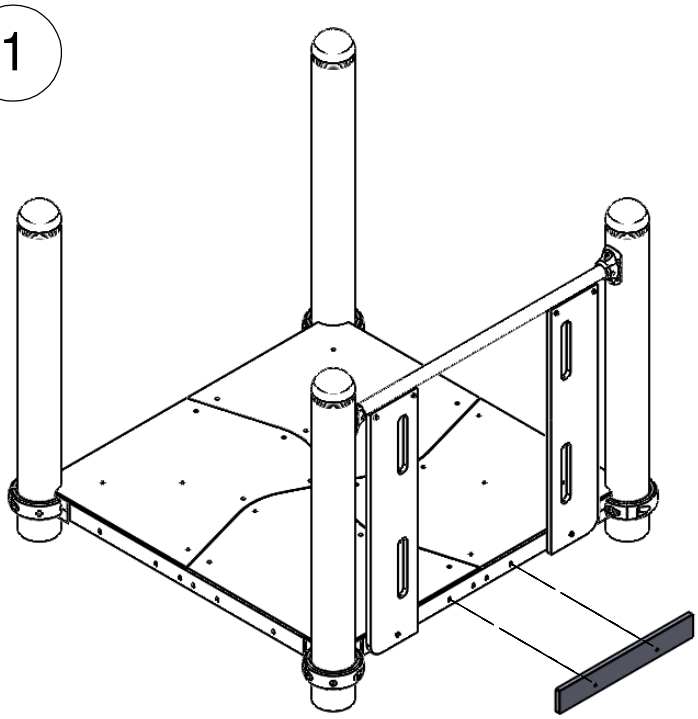
INST_12_19



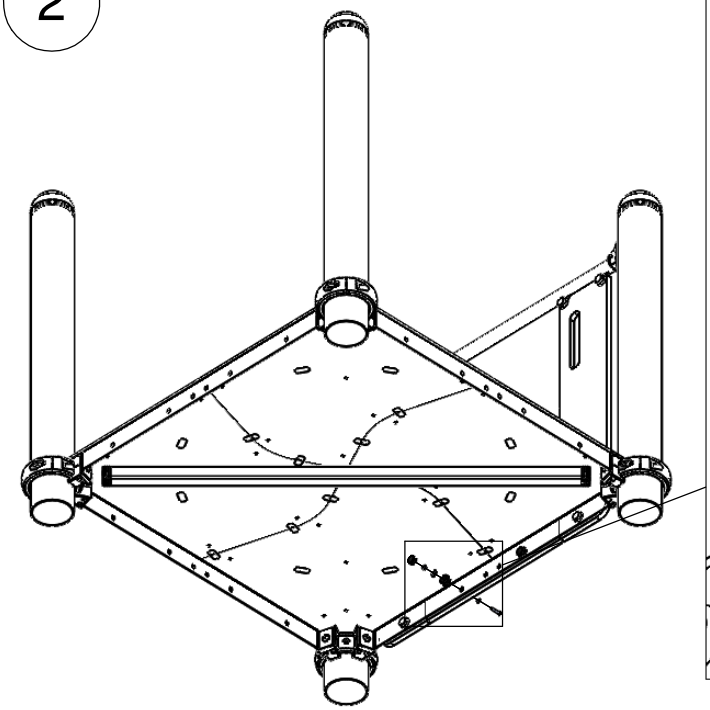
Nr. 4 Nr. T30

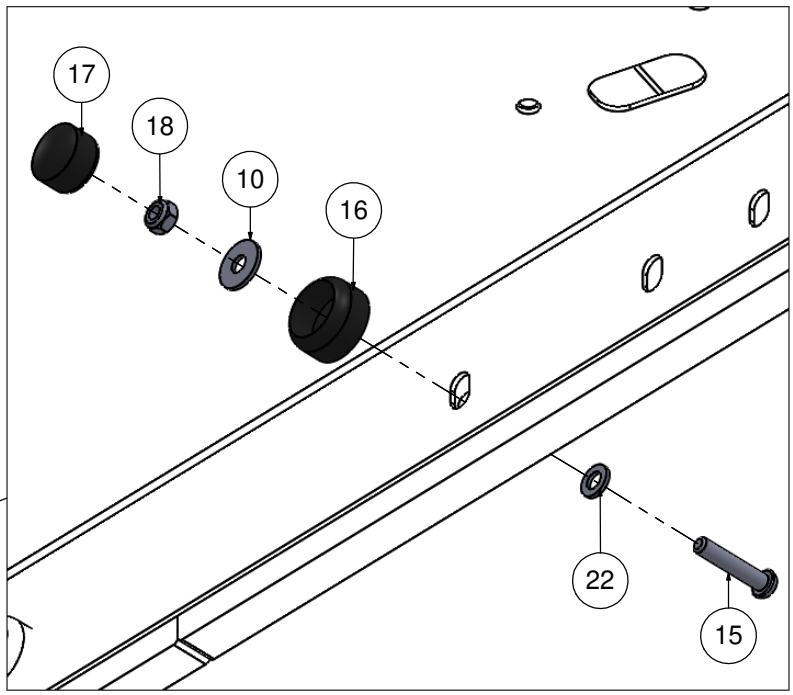
Nr	Σ	Element		
10	2		DIN 9021	6x18
15	2		ISO 7380	M6x30
16	2		-	K1_d21_B
17	2		-	Z1_d21_B
18	2		DIN 985	M6 (OC)
22	2		DIN 125	6x12
58	1		-	LOCTITE

1

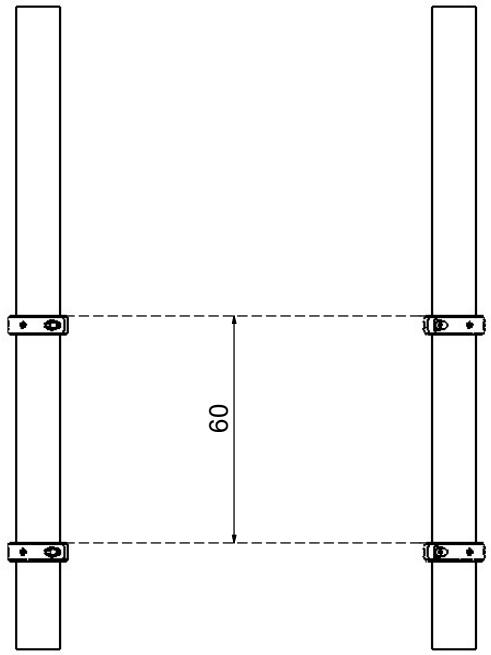


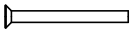
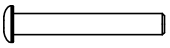
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INST_12_21



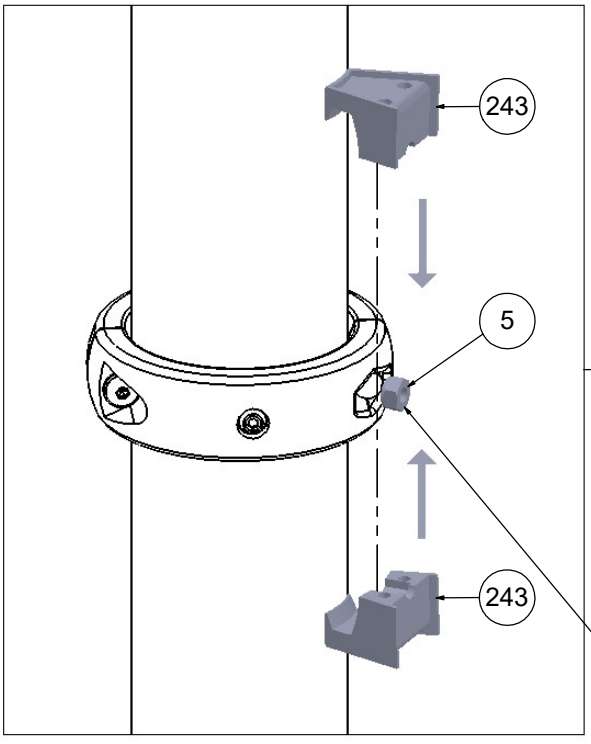
Nr	Σ	Element		
4	4		DIN 125	10x20
5	4		DIN 985	M10
21	8		DIN 125	8x16
58	1		-	LOCTITE
147	8		-	M6x10
242	4		-	1200_1_A2_g3_G_v3
243	8		-	UCHW_114,3
245	8		DIN 7991	M6x65
275	4		ISO 7380	M10x70

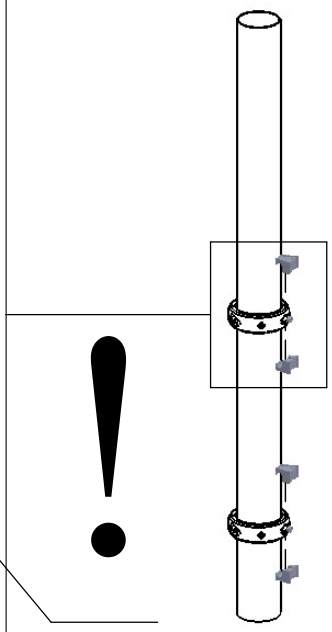

Nr. 17


Nr. 4, 6


Nr. T30

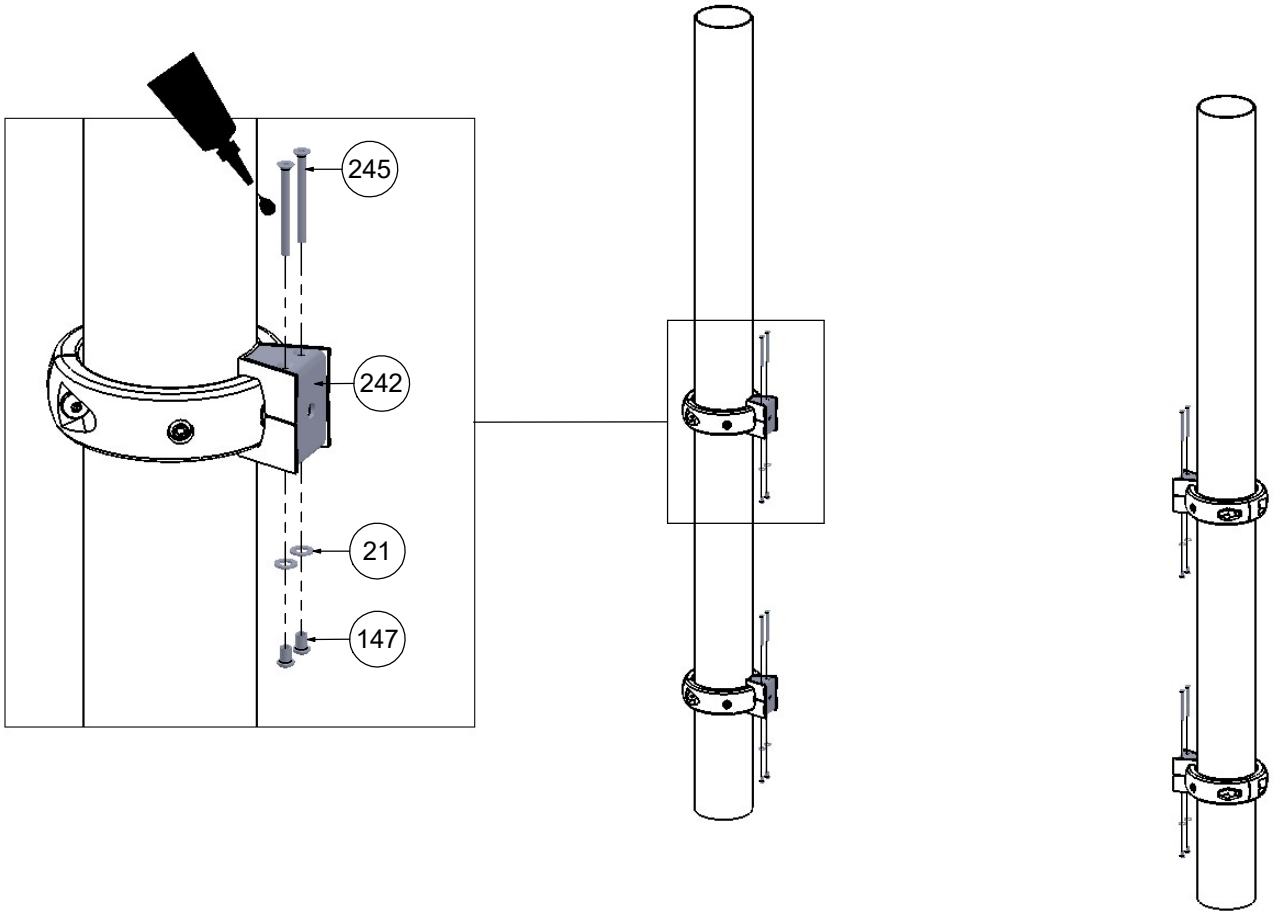
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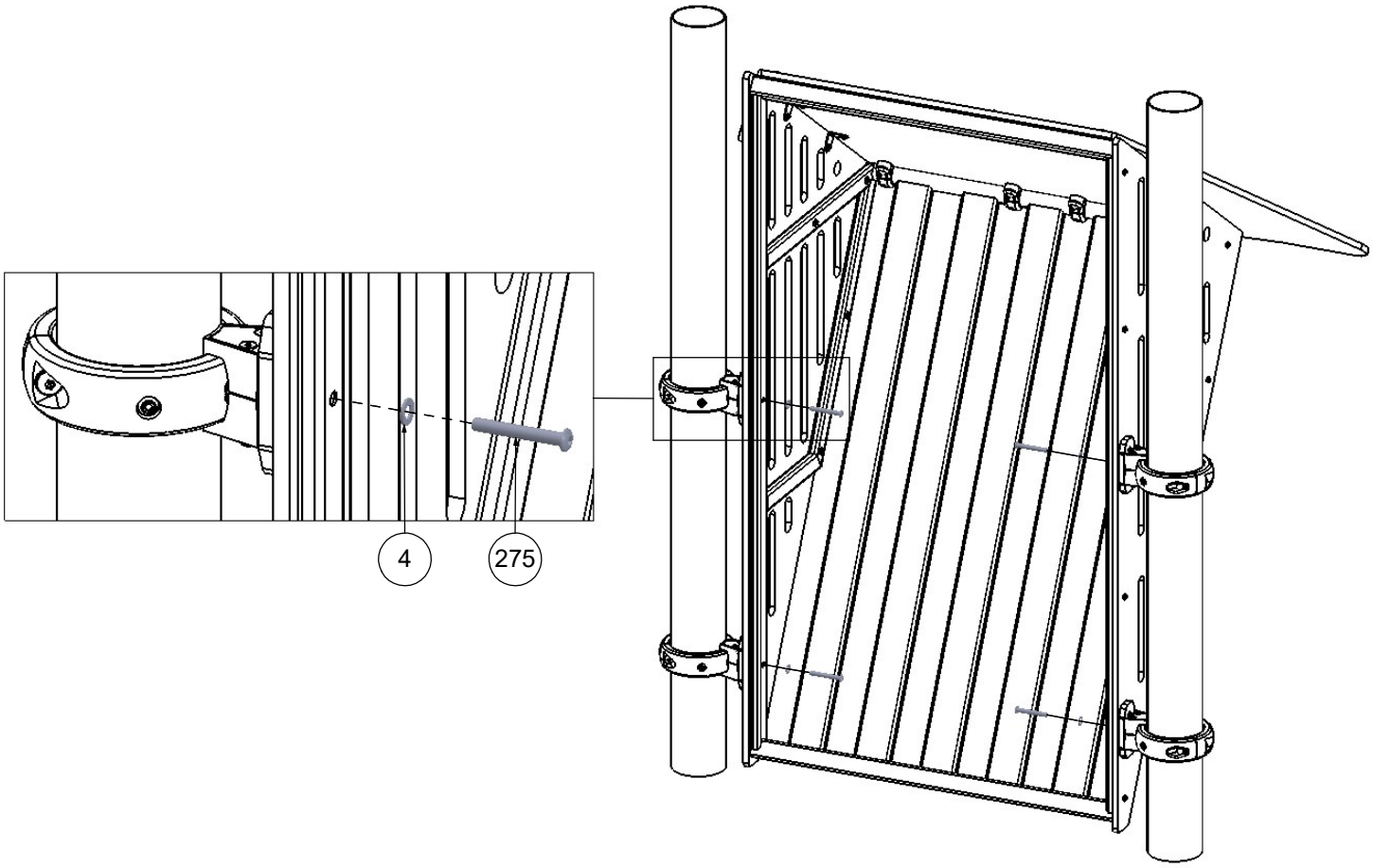




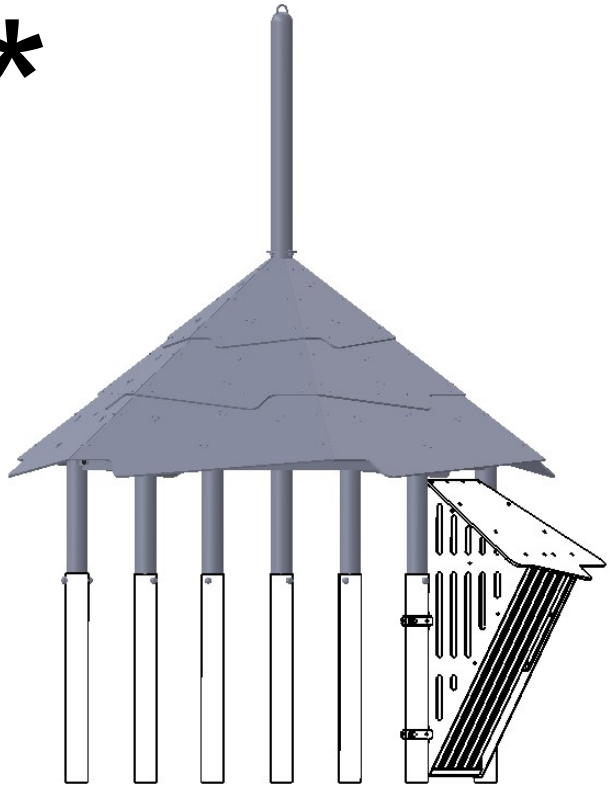
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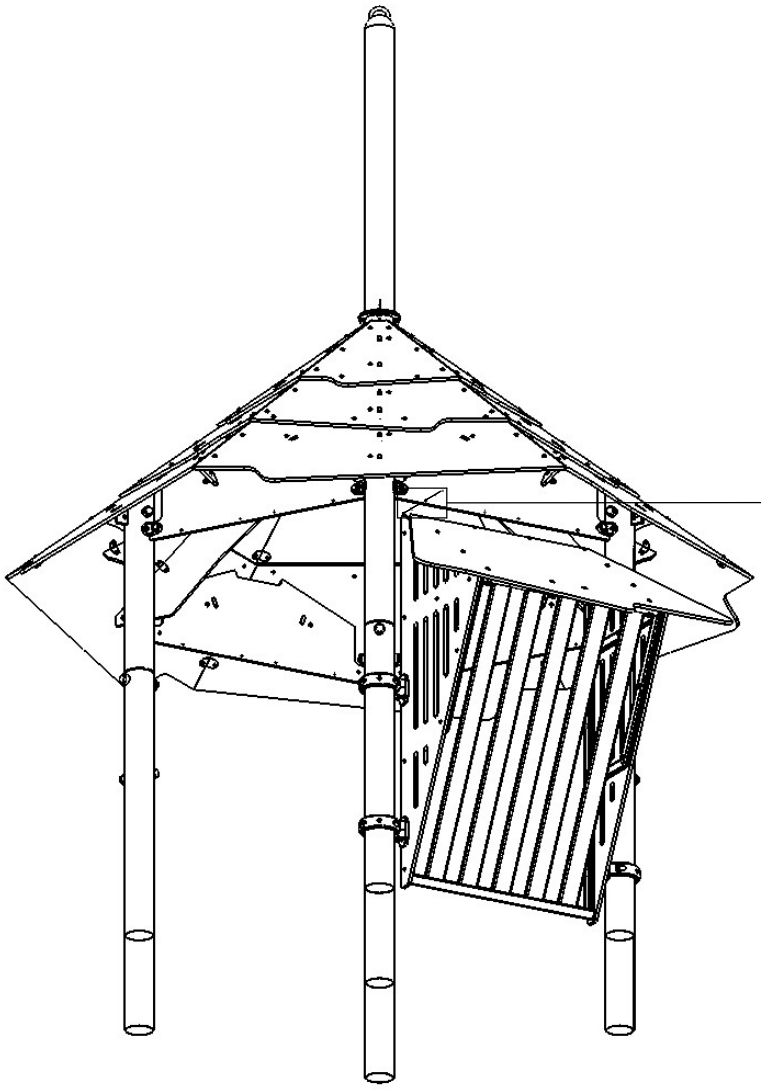
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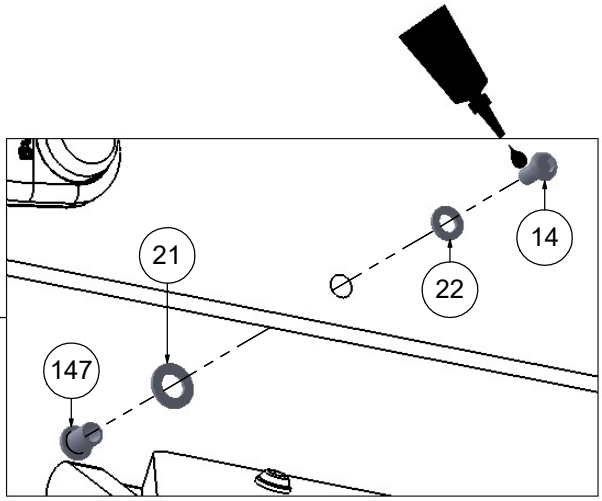


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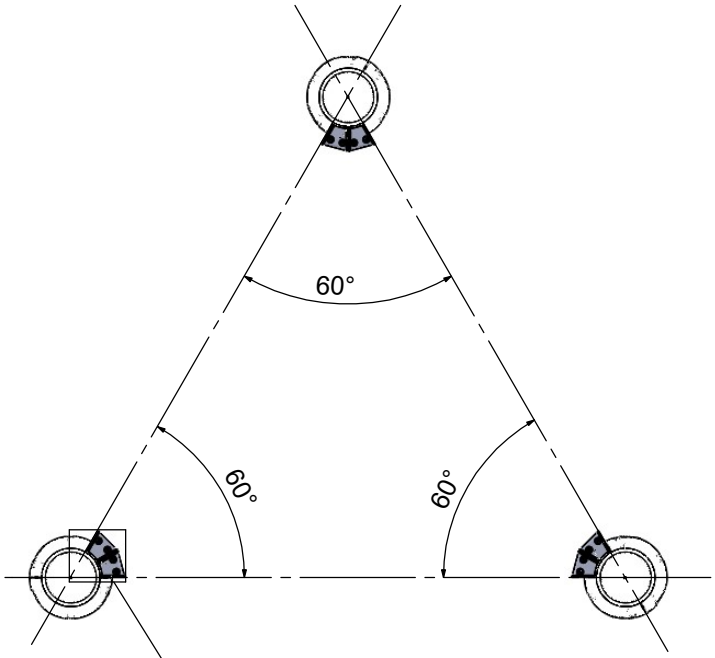
Nr	Σ	Element		
14	4		ISO 7380	M6x12
21	4		DIN 125	8x16
22	4		DIN 125	6x12
58	1		-	LOCTITE
147	4		-	M6x10

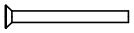


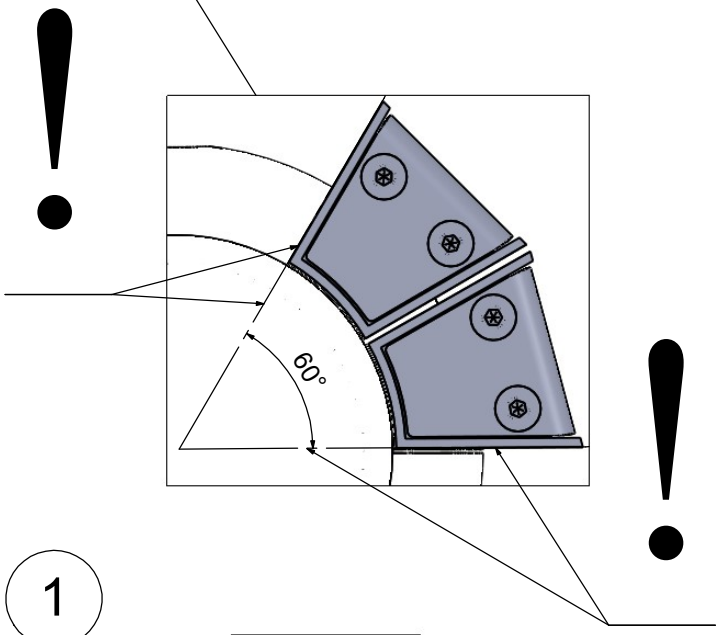


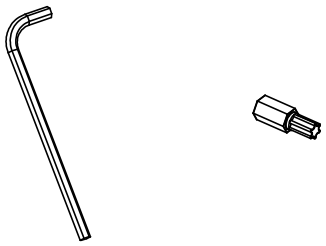
INST_12_21 3/3

INST_12_25



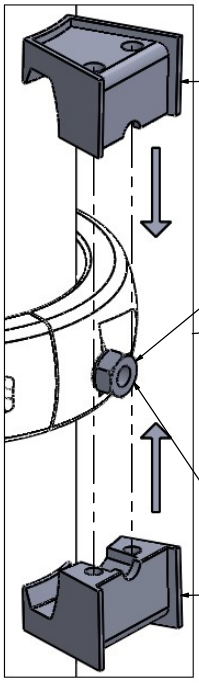
Nr	Σ	Element		
5	6		DIN 985	M10
21	12		DIN 125	8x16
44	6		ISO 7380	M10x25
58	1		-	LOCTITE
147	12		-	M6x10
242	6		-	1200_1_A2_g3_G_v3
243	12		-	UCHW_114,3
245	12		DIN 7991	M6x65
249	6		NYLON DIN 125	10x20

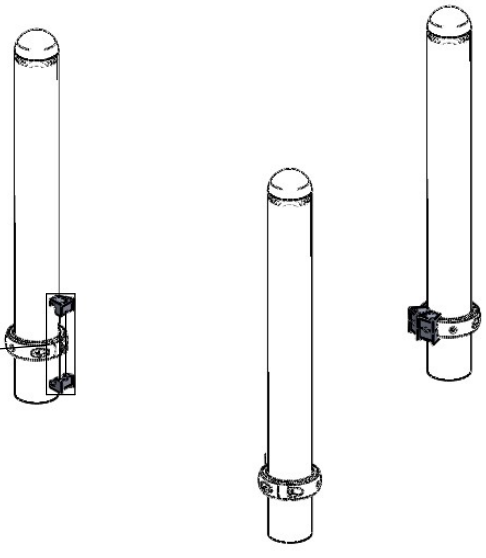




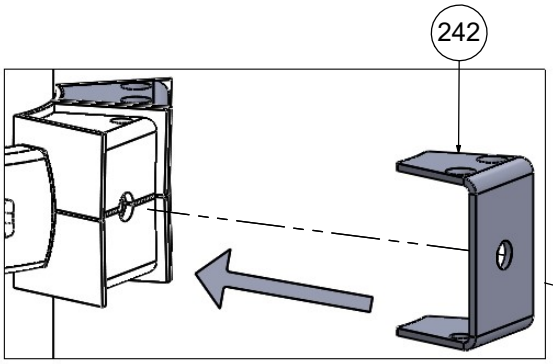
Nr. 4, 6 Nr. T30

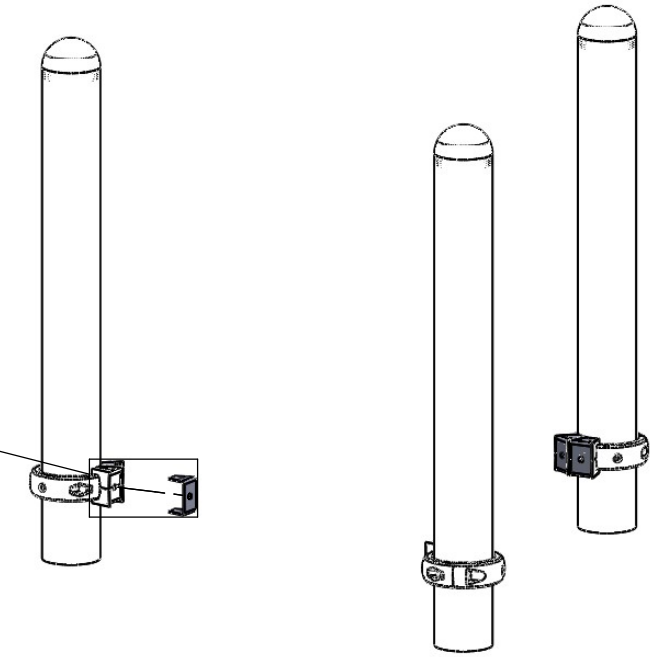
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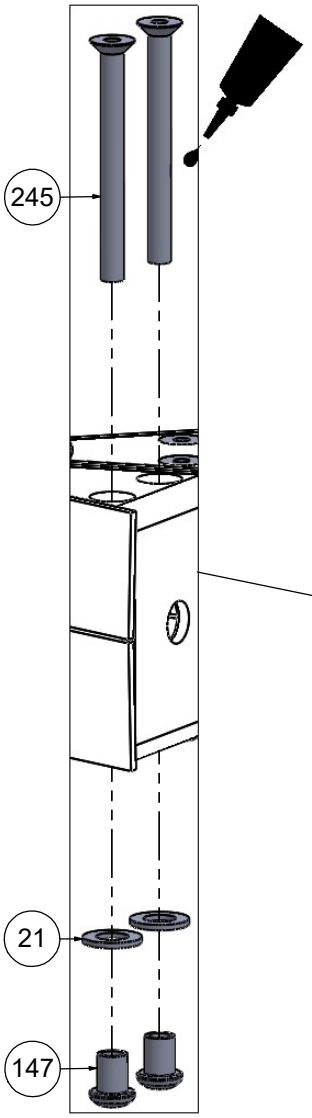


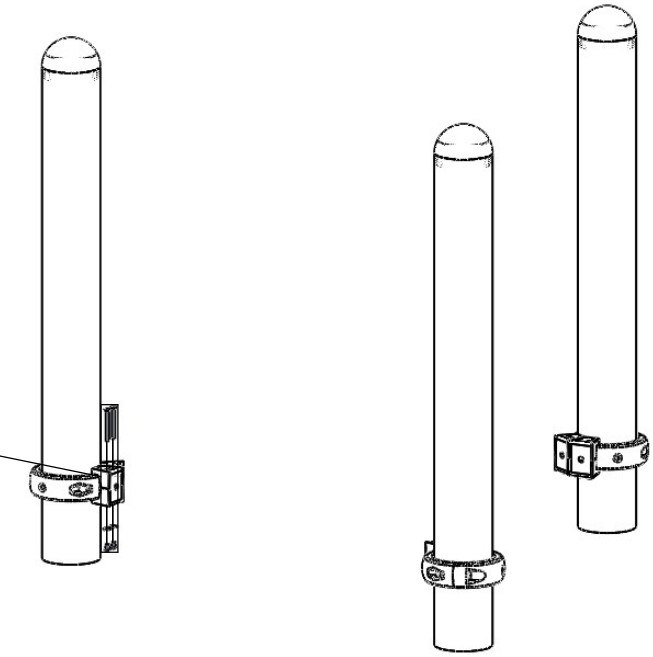
2



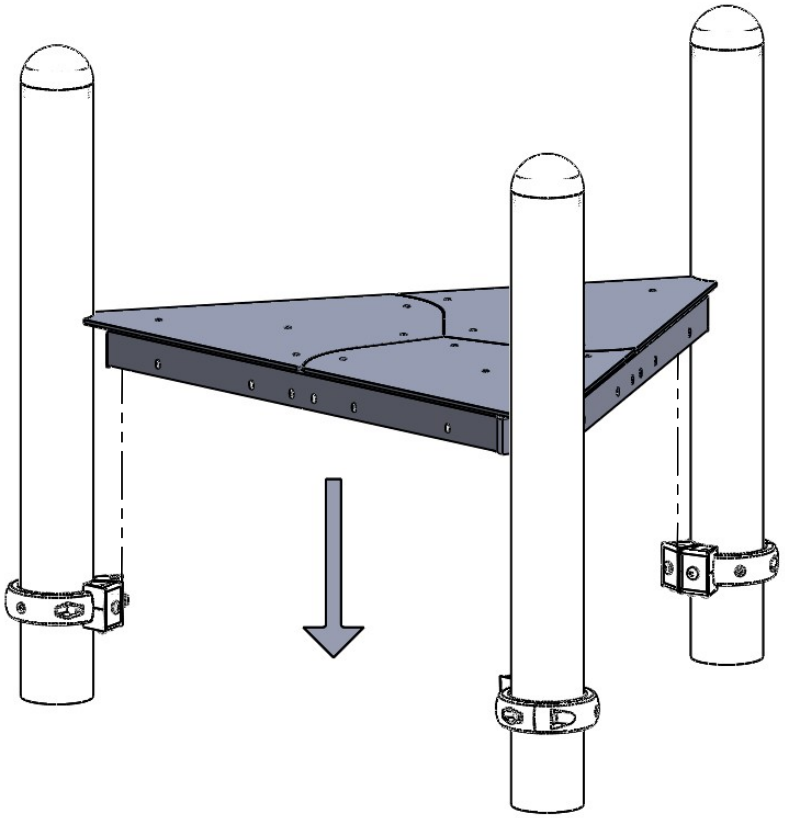


3

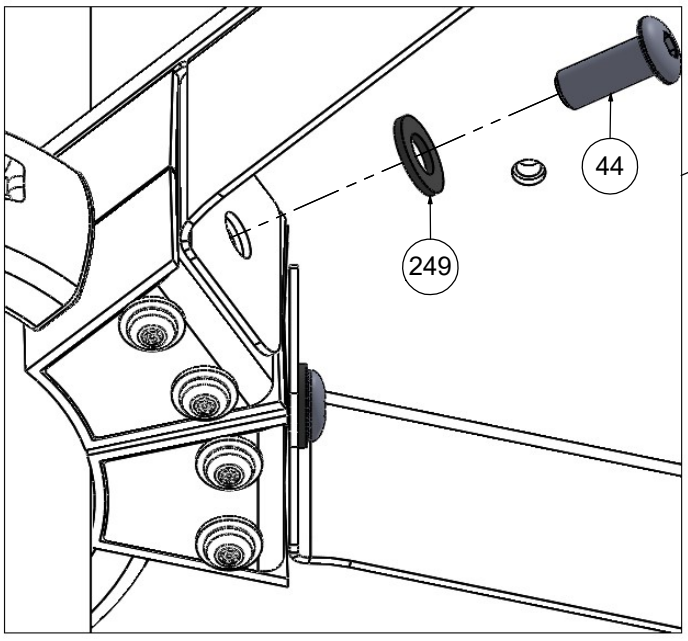


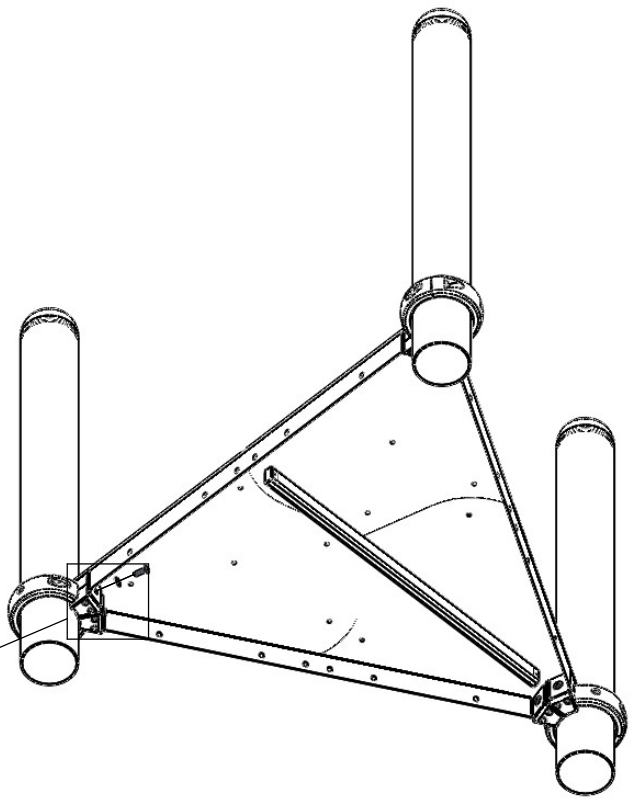


4



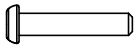
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INST_12_25 3/3

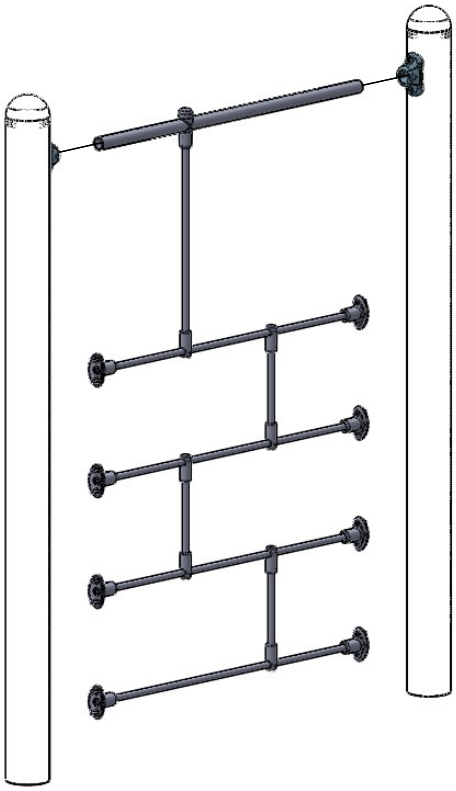
INST_12_40

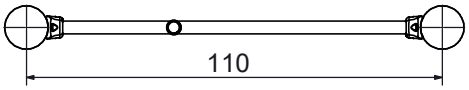
Nr	Σ	Element		
15	16		ISO 7380	M6x30
22	16		DIN 125	6x12
58	1		-	LOCTITE



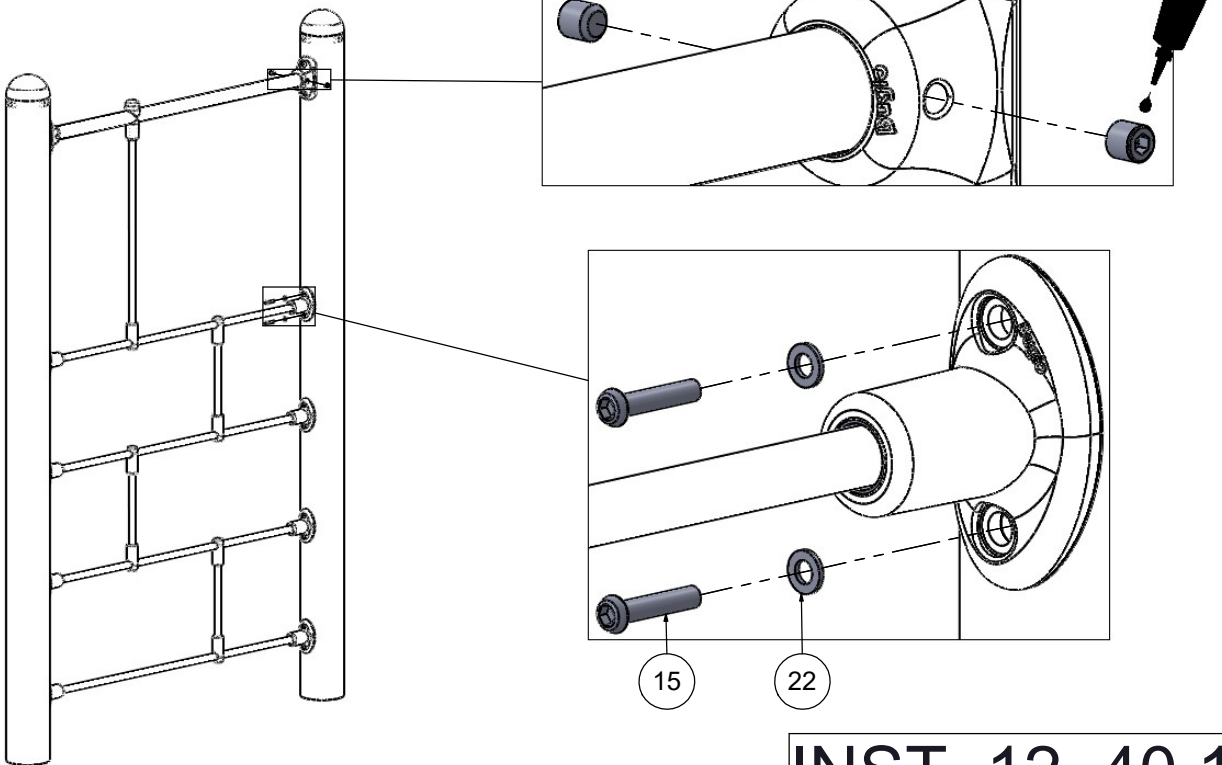
Nr. 4, 5

1

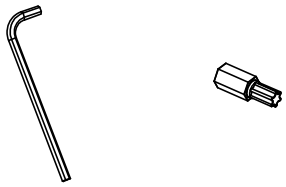




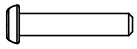
2



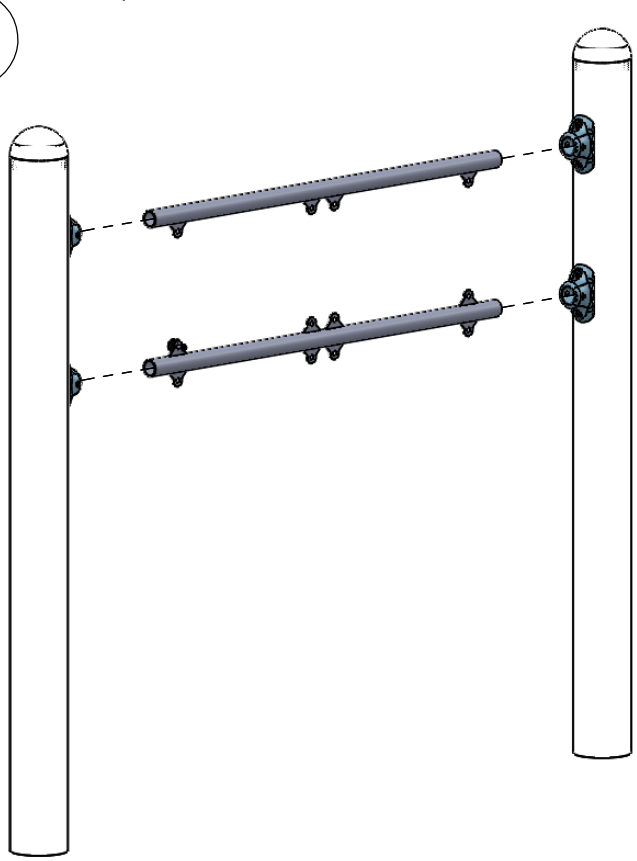
INST_12_49

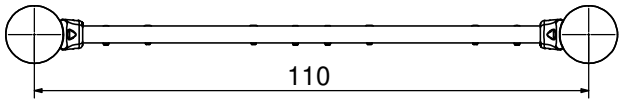


Nr. 4, 5 Nr. T30

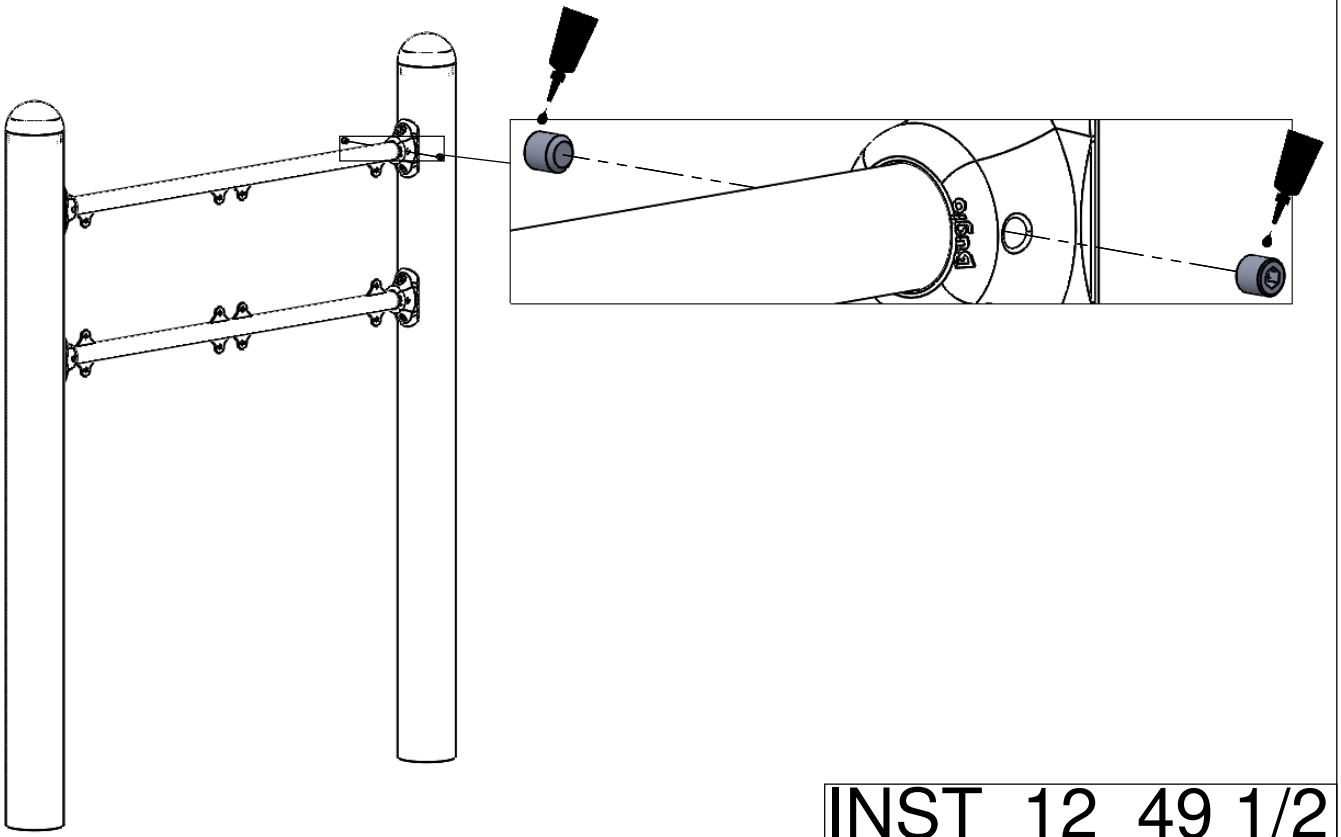
Nr	Σ	Element		
10	8		DIN 9021	6x18
15	8		ISO 7380	M6x30
16	8		-	K1_d21_B
17	8		-	Z1_d21_B
18	8		DIN 985	M6 (OC)
22	8		DIN 125	6x12
58	1		-	LOCTITE

1

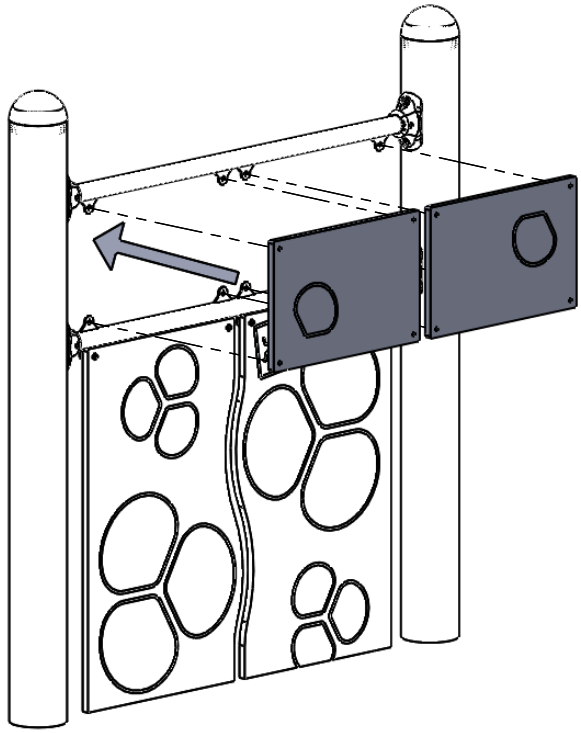




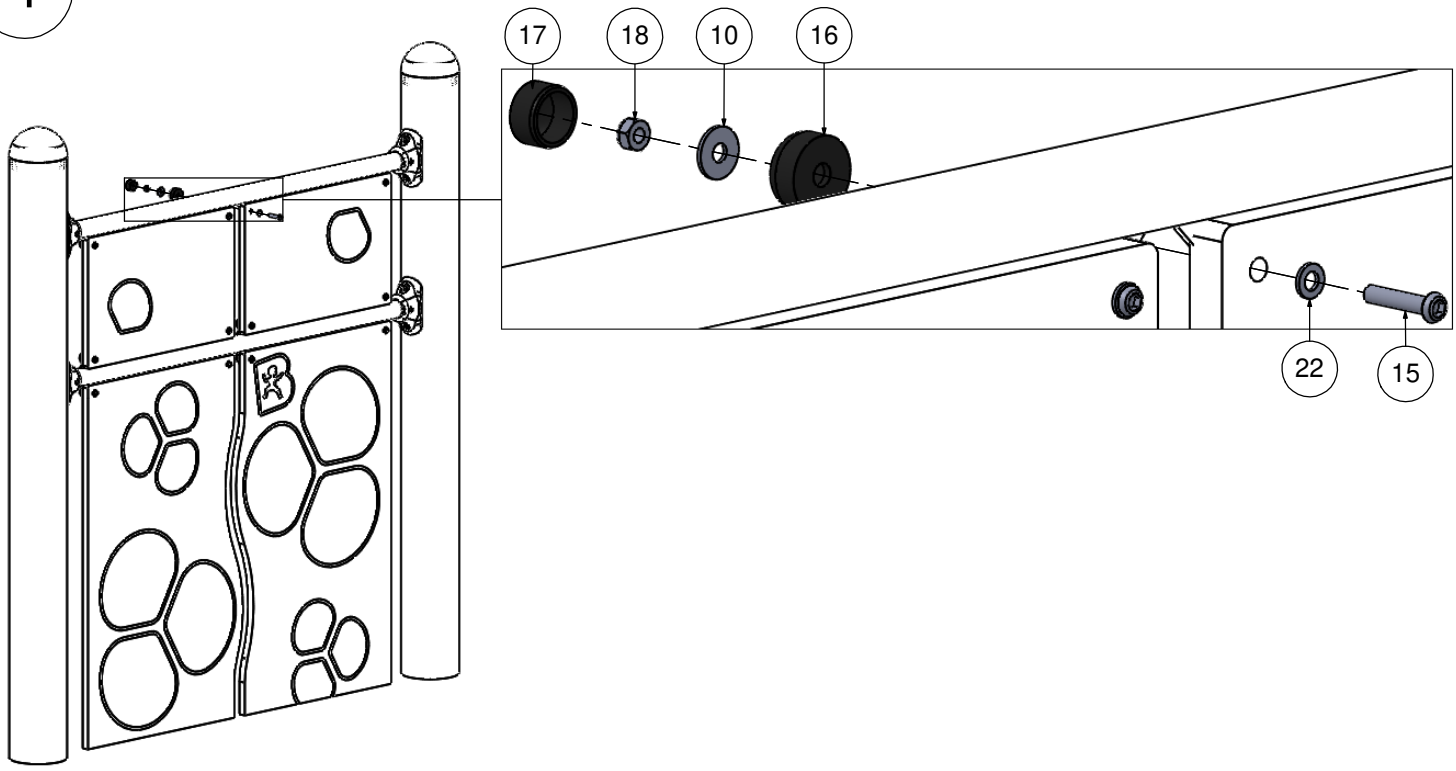
2



3



4



INST_12_54_1403



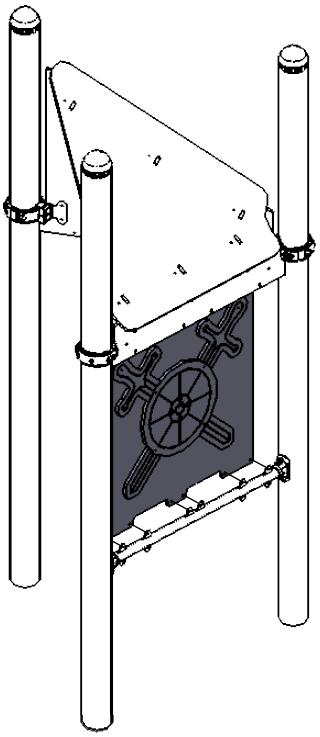
Nr. 4



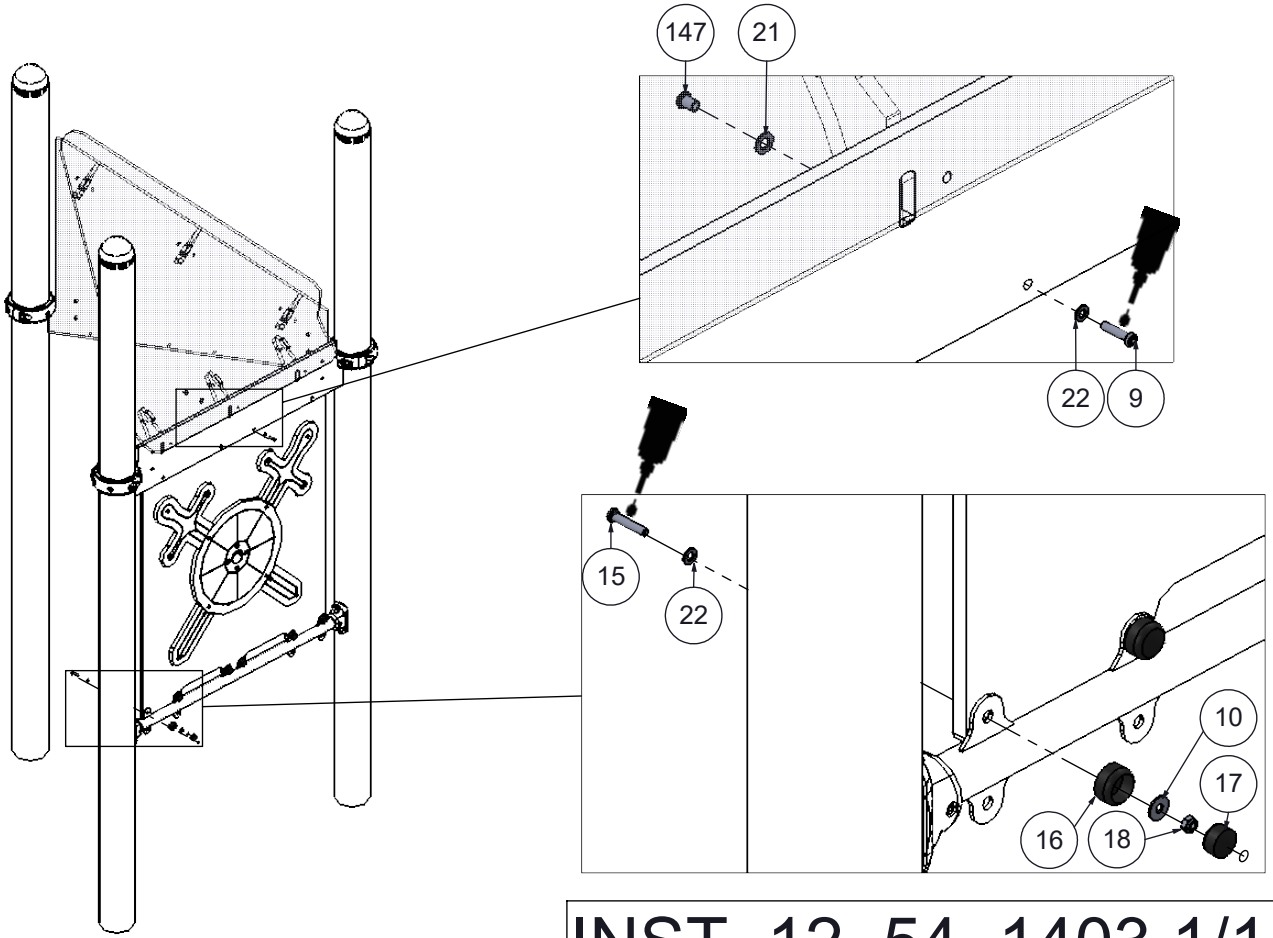
Nr. T30

Nr	Σ	Element		
9	4		ISO 7380	M6x25
10	6		DIN 9021	6x18
15	6		ISO 7380	M6x30
16	6		-	K1_d21_B
17	6		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
21	4		DIN 125	8x16
22	10		DIN 125	6x12
58	1		-	LOCTITE
147	4		-	M6x10

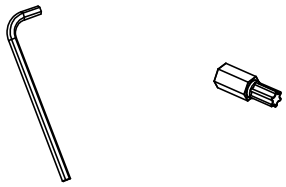
1



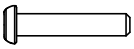
2



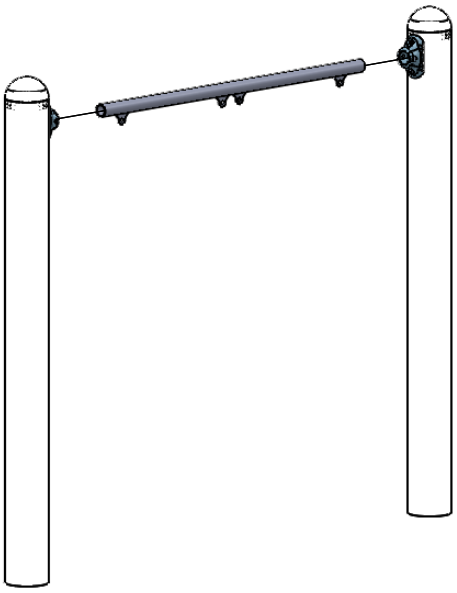
INST_12_54C

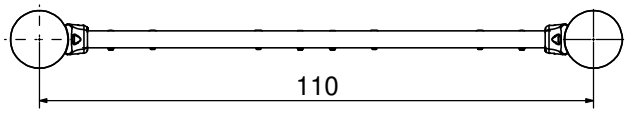


Nr. 4, 5 Nr. T30

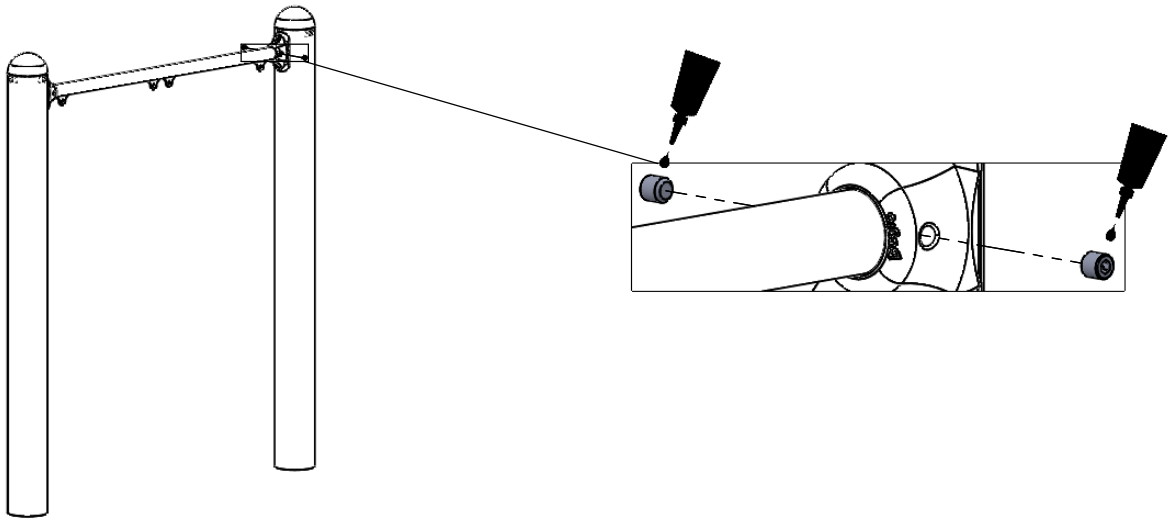
Nr	Σ	Element		
10	8		DIN 9021	6x18
15	8		ISO 7380	M6x30
16	8		-	K1_d21_B
17	8		-	Z1_d21_B
18	8		DIN 985	M6 (OC)
22	8		DIN 125	6x12
58	1		-	LOCTITE

1

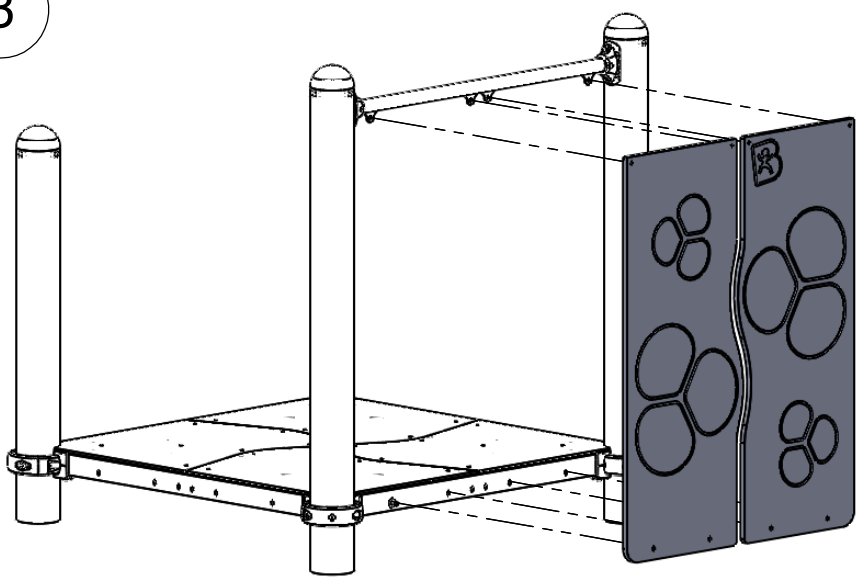




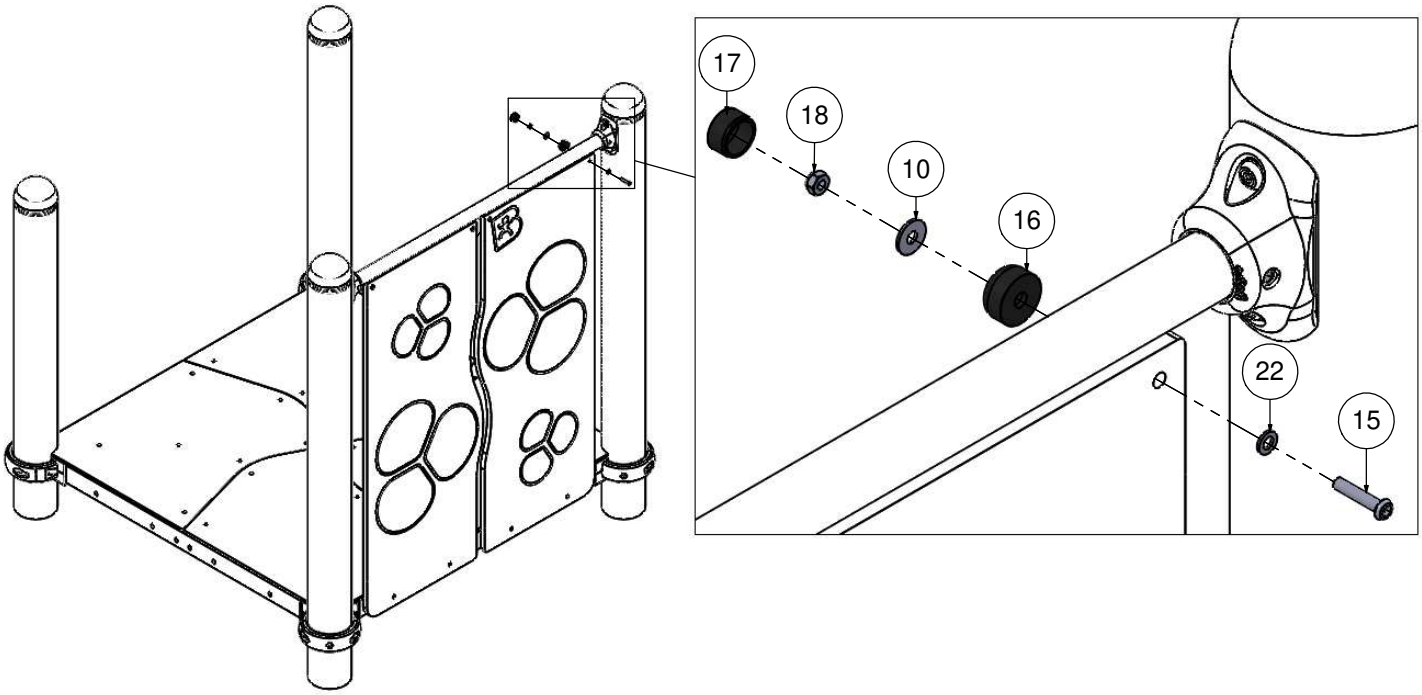
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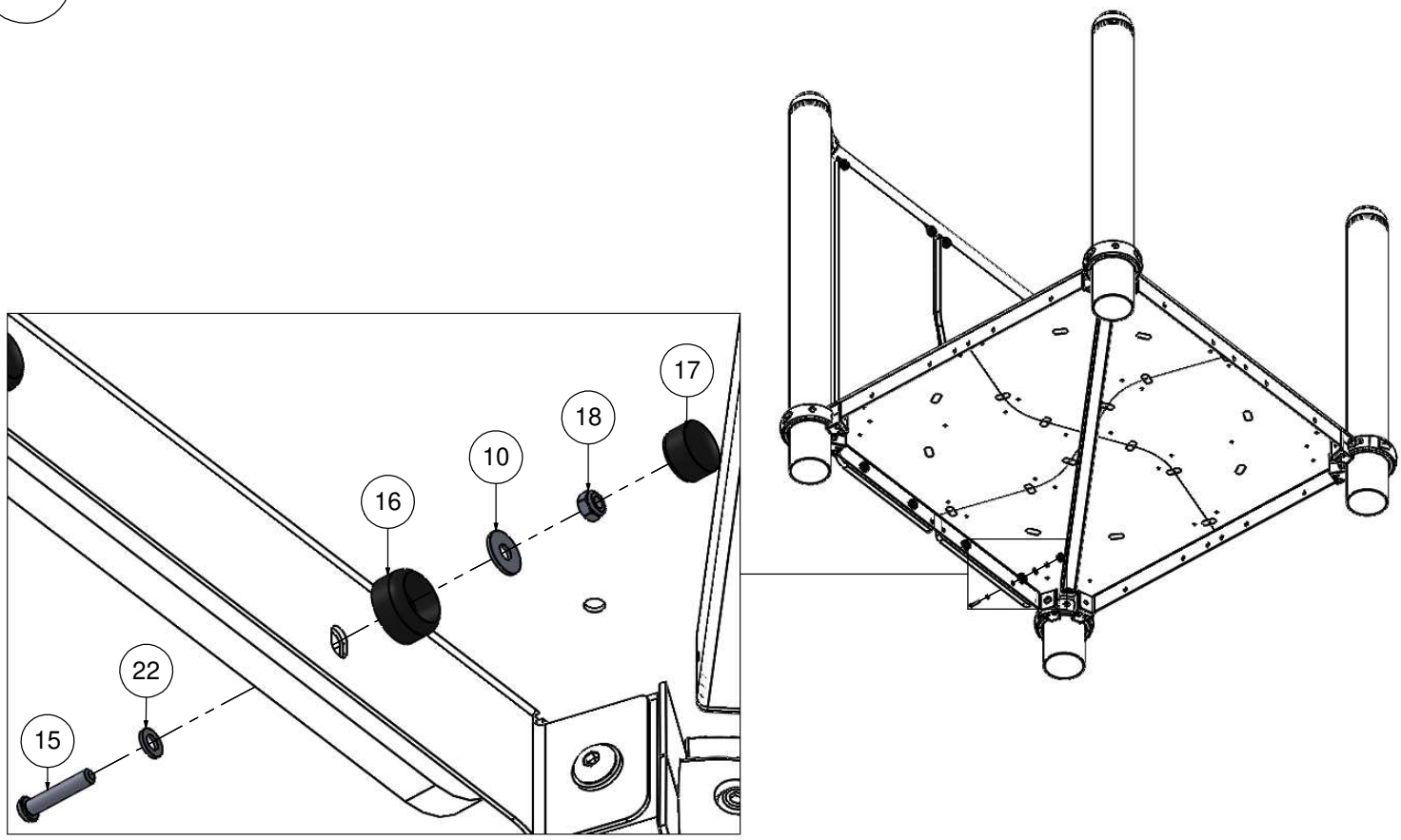
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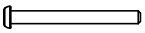


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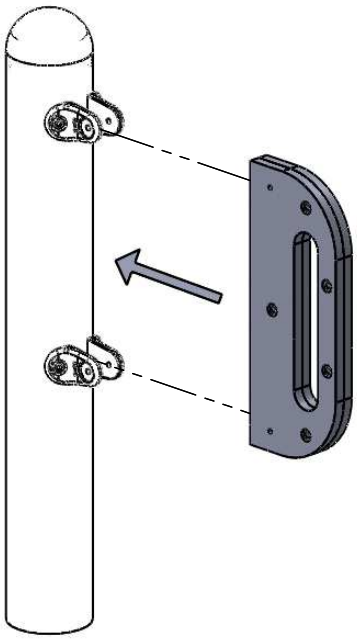


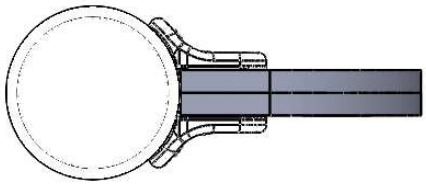
INST_12_54C 2/2

INST_12_55

Nr	Σ	Element		
10	4		DIN 9021	6x18
16	4		-	K1_d21_B
17	4		-	Z1_d21_B
18	2		DIN 985	M6
101	2		ISO 7380	M6x60

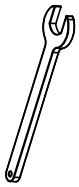
1





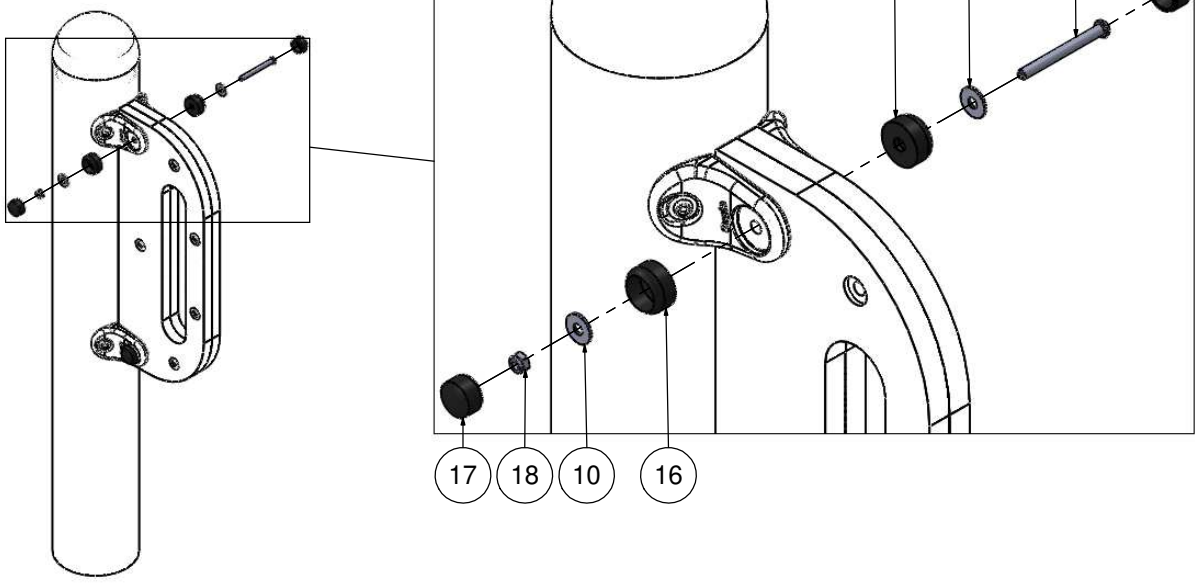


Nr. 4

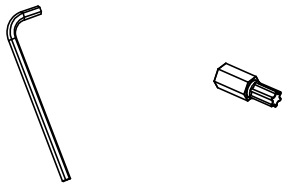


Nr. 10

2



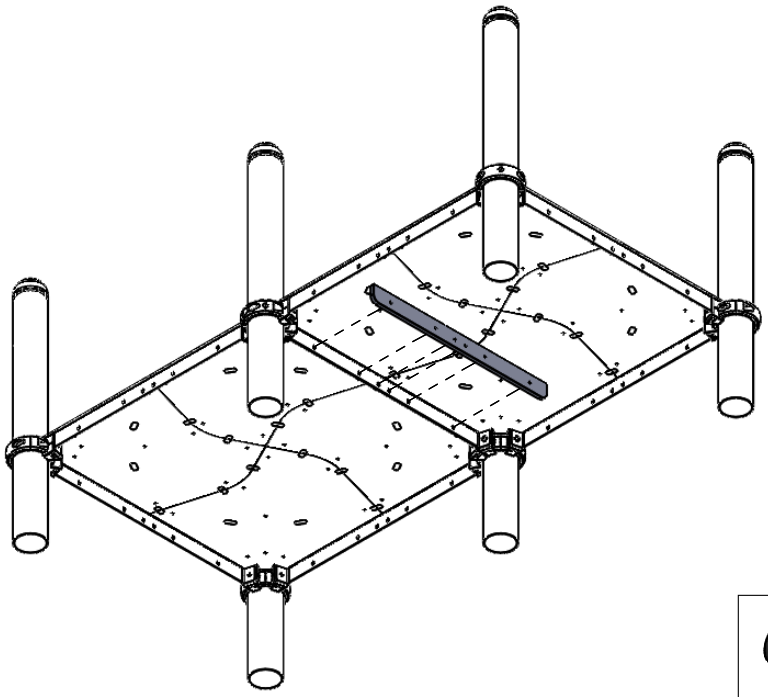
INST_12_61



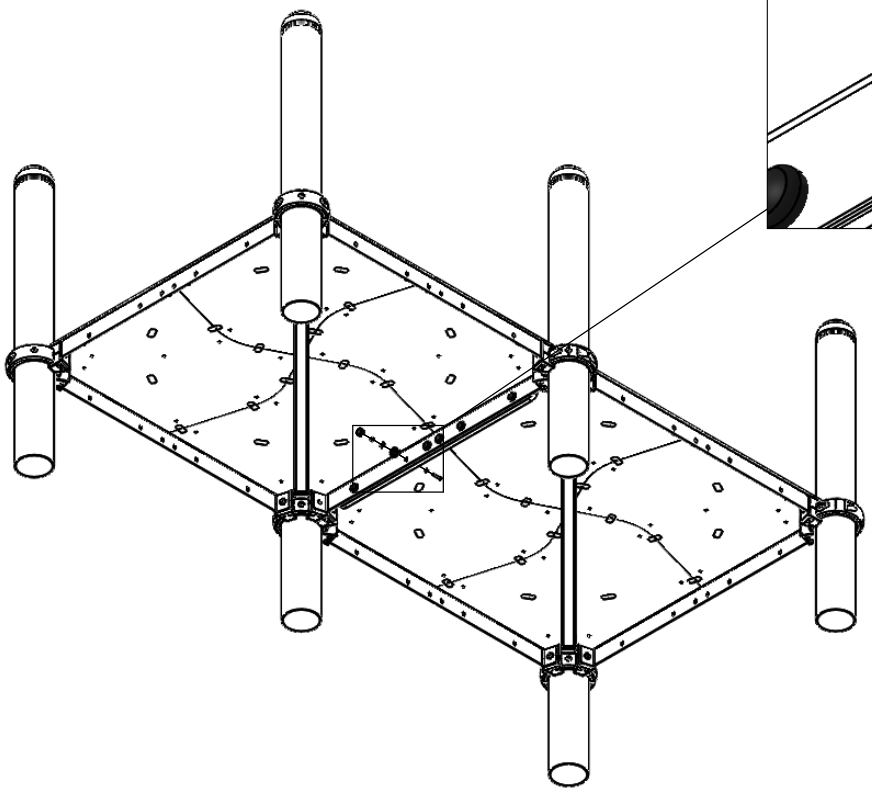
Nr. 4 Nr. T30

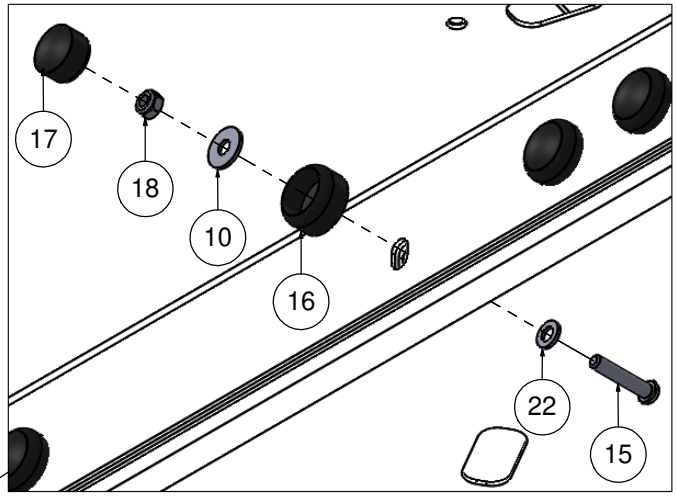
Nr	Σ	Element		
10	6		DIN 9021	6x18
15	6		ISO 7380	M6x30
16	6	⌀2,1	-	K1_d21_B
17	6	⌀2,1	-	Z1_d21_B
18	6		DIN 985	M6 (OC)
22	6		DIN 125	6x12
58	1		-	LOCTITE

1



2



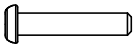


INST_12_65

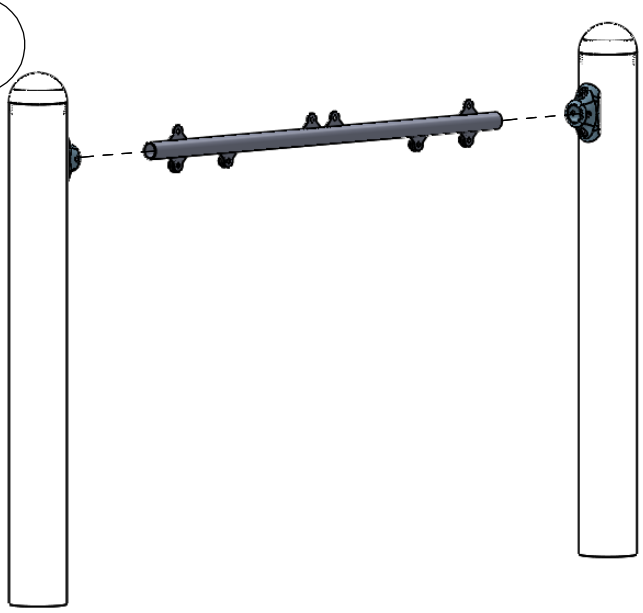


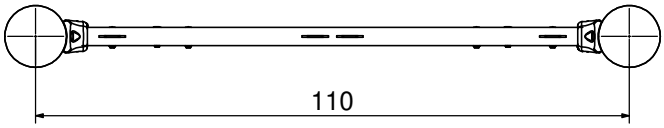


Nr. 4, 5 Nr. T30

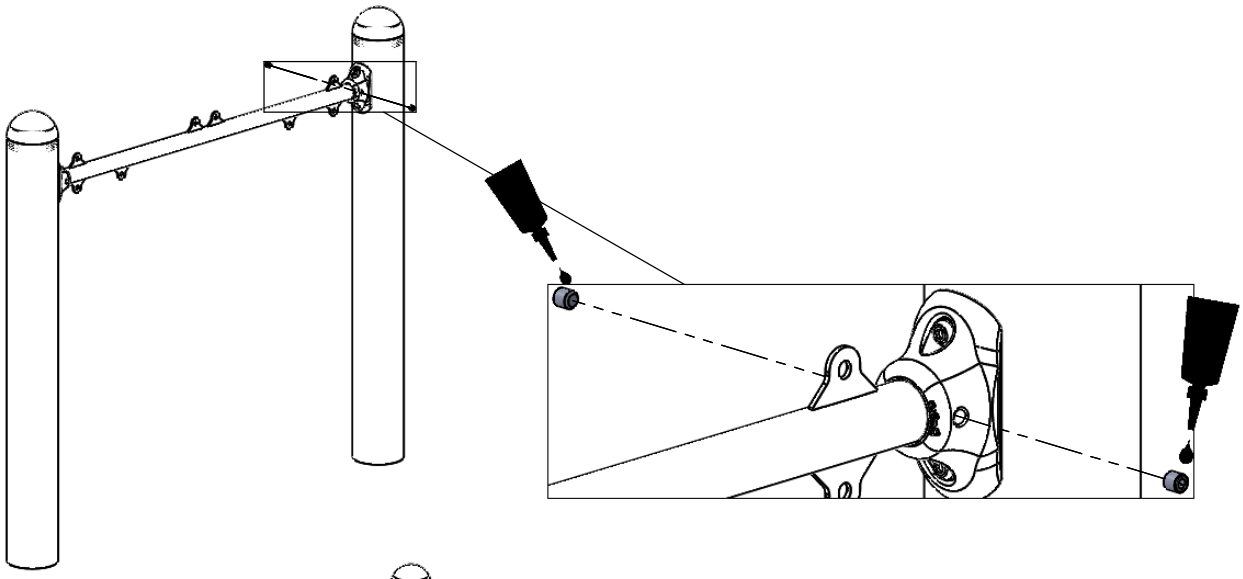
Nr	Σ	Element		
10	6		DIN 9021	6x18
15	6		ISO 7380	M6x30
16	6		-	K1_d21_B
17	6		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
22	6		DIN 125	6x12
58	1		-	LOCTITE

1

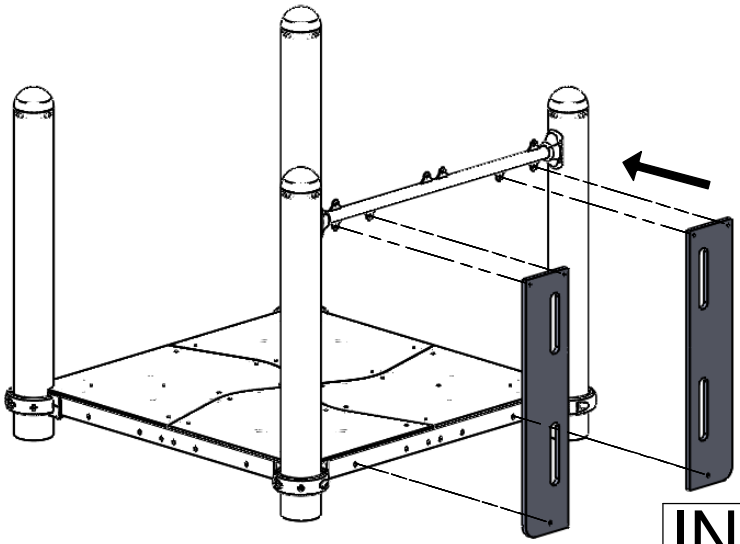




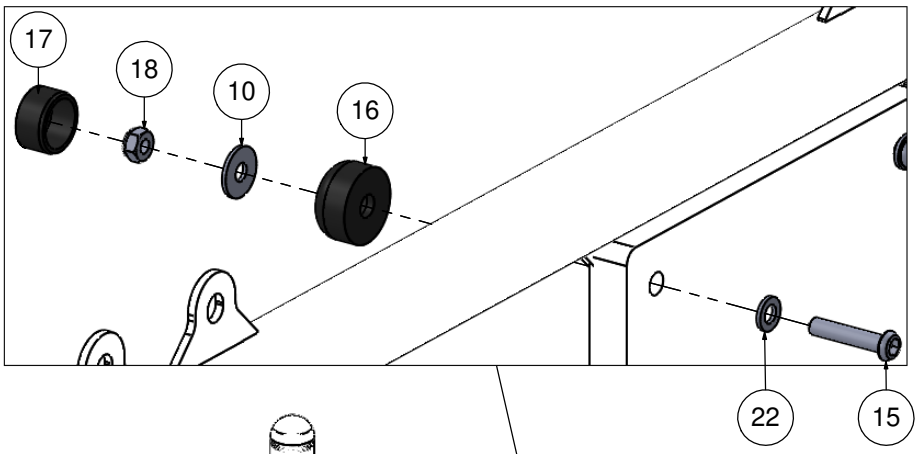
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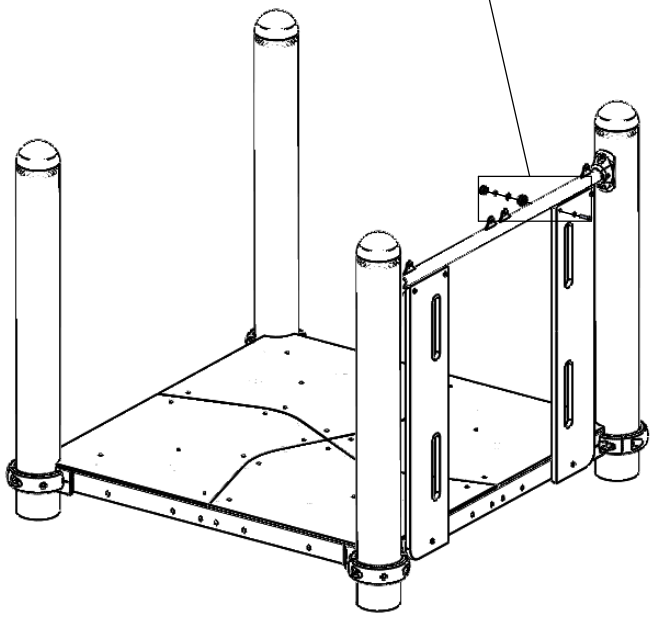


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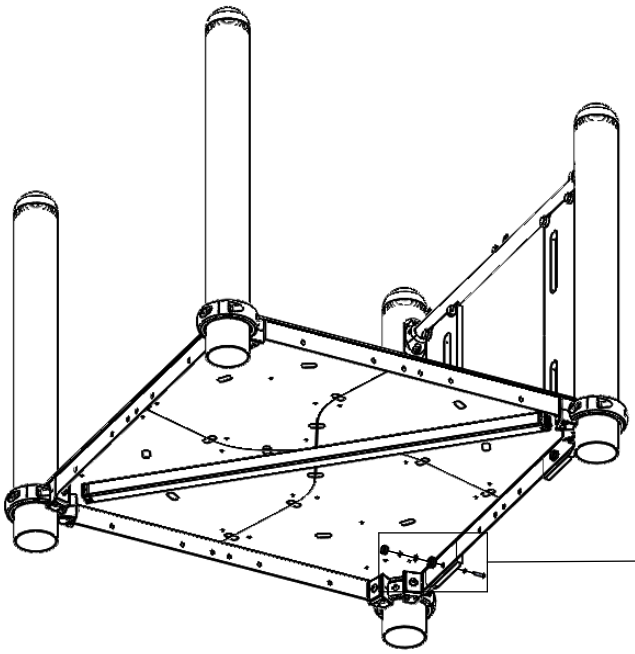


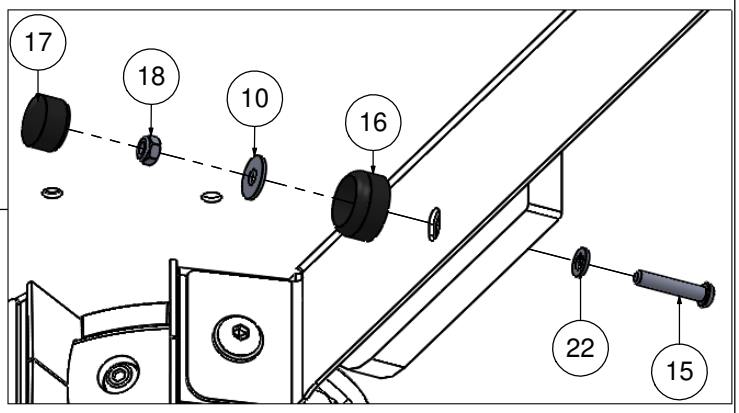
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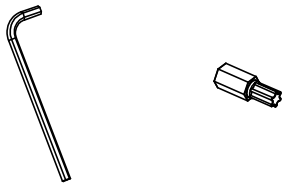
5





INST_12_65 2/2

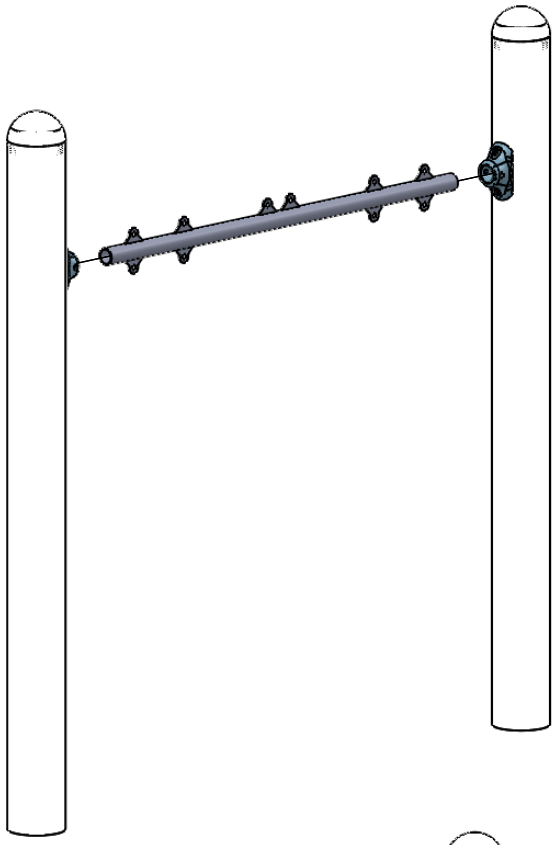
INST_12_69

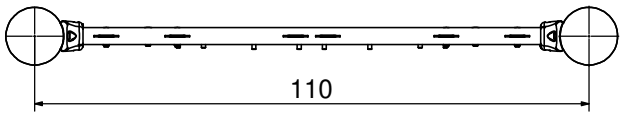


Nr. 4, 5 Nr. T30

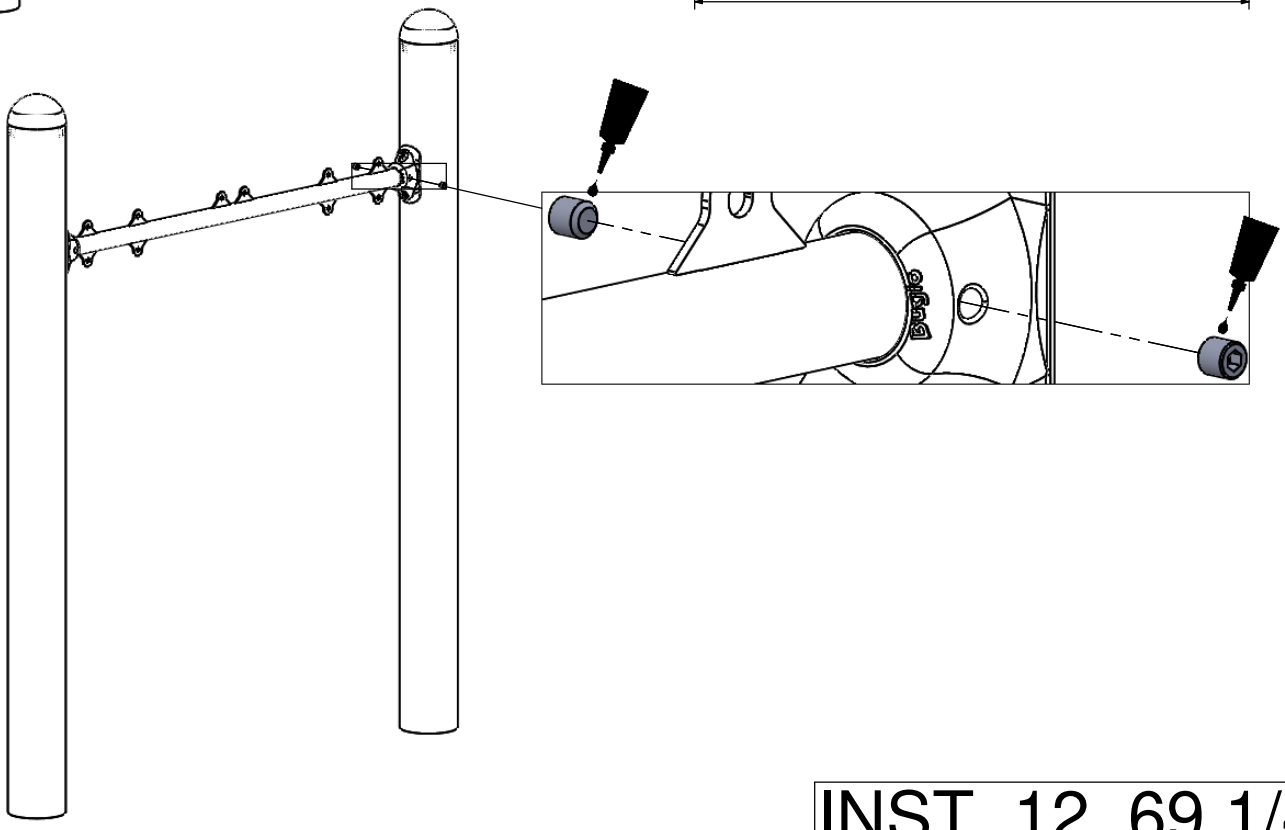
Nr	Σ	Element		
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15	6		ISO 7380	M6x30
16	6	ϕ2,1	-	K1_d21_B
17	6	ϕ2,1	-	Z1_d21_B
18	6		DIN 985	M6 (OC)
21	4		DIN 125	8x16
22	6		DIN 125	6x12
28	4		ISO 7380	M8x25
45	4		ISO 7380	M8x30
58	1		-	LOCTITE
218	4		NYLON DIN 125	8x16

1

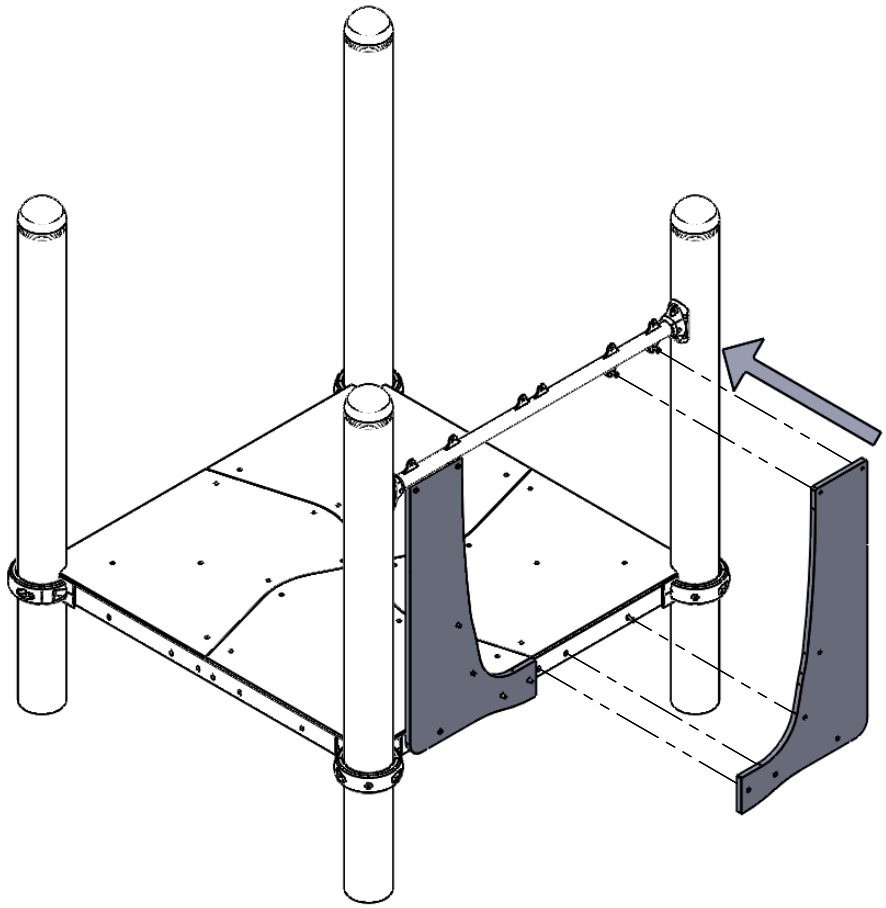




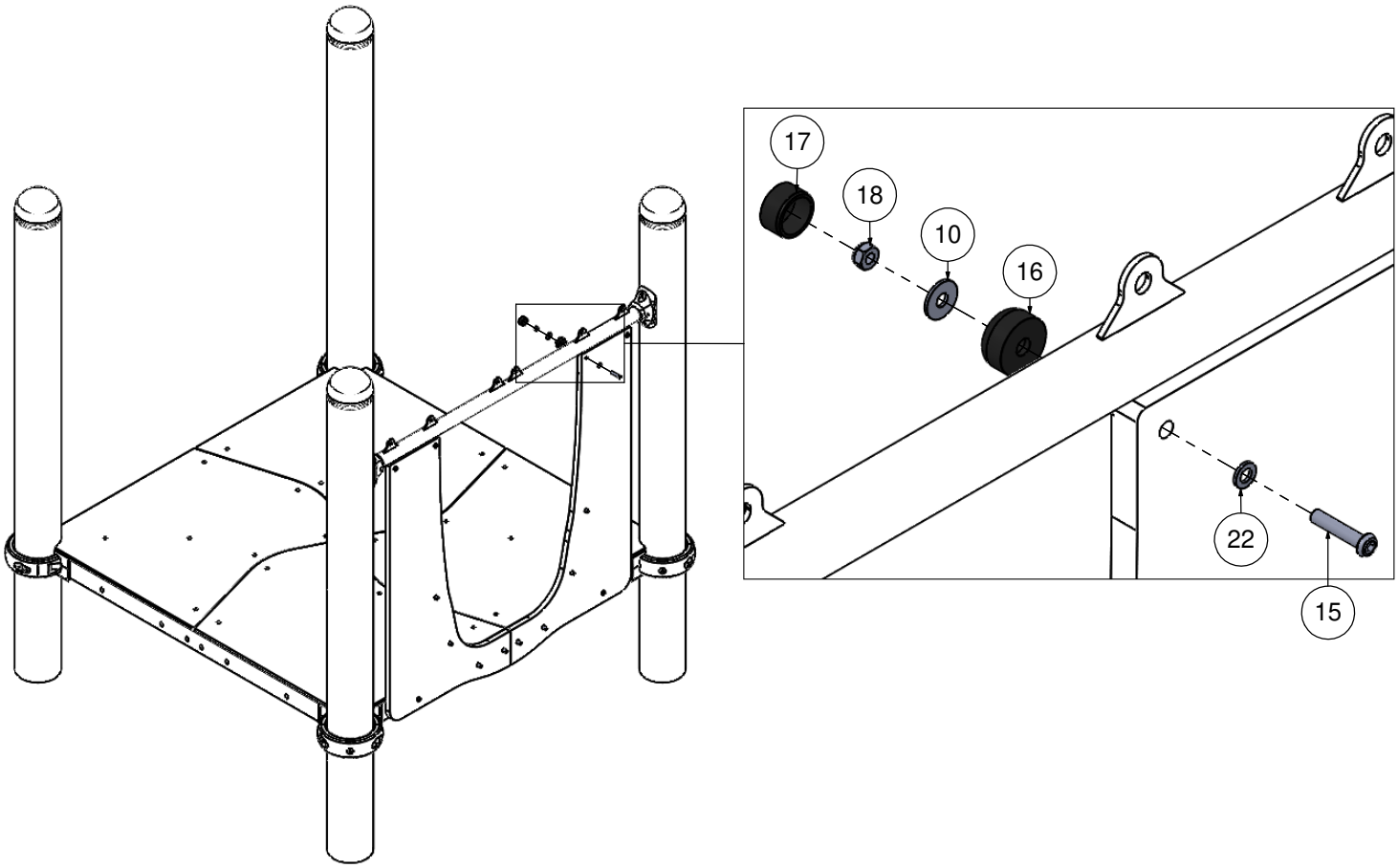
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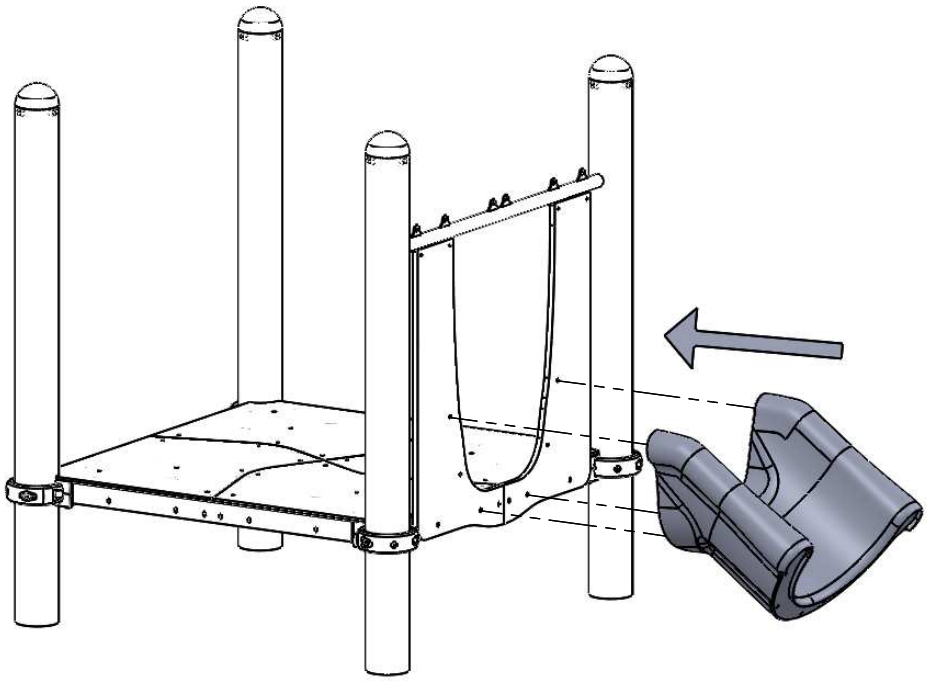
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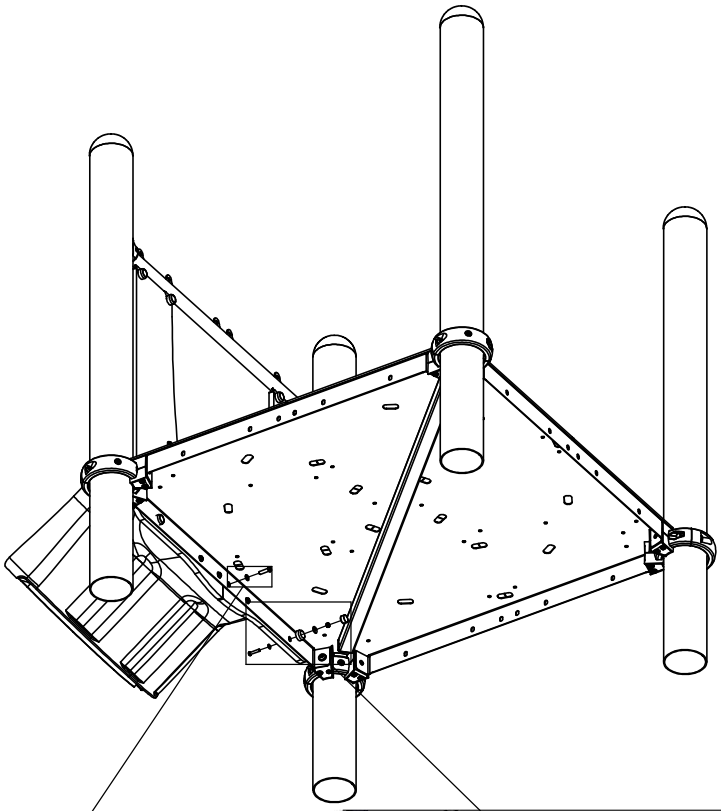
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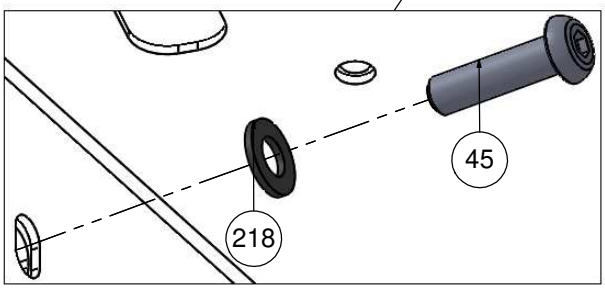


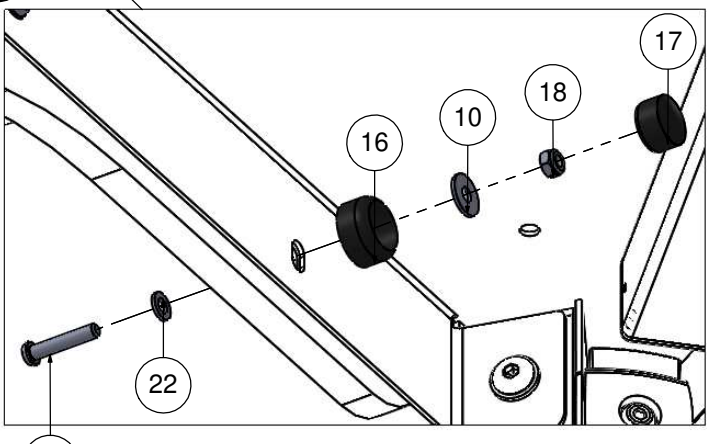
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6

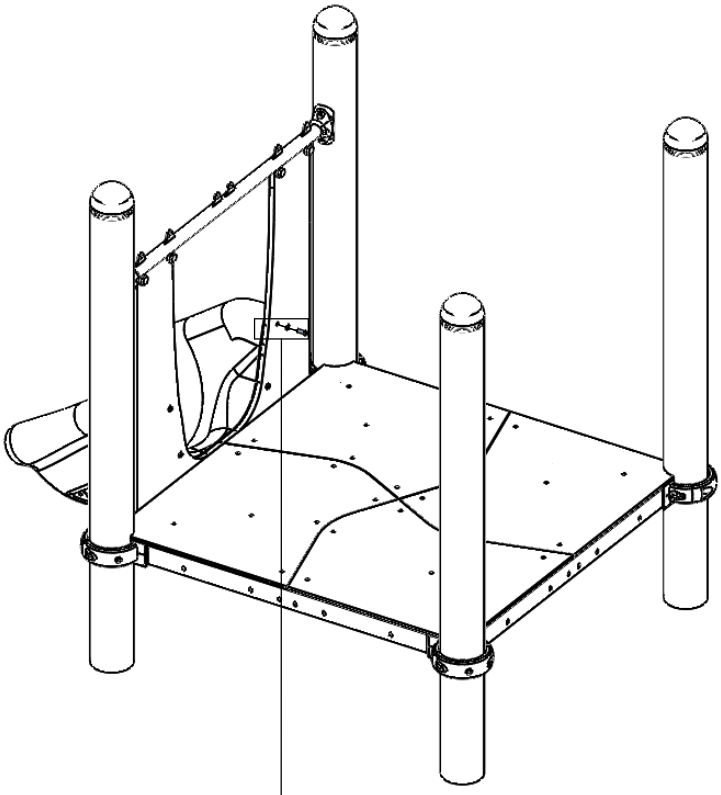


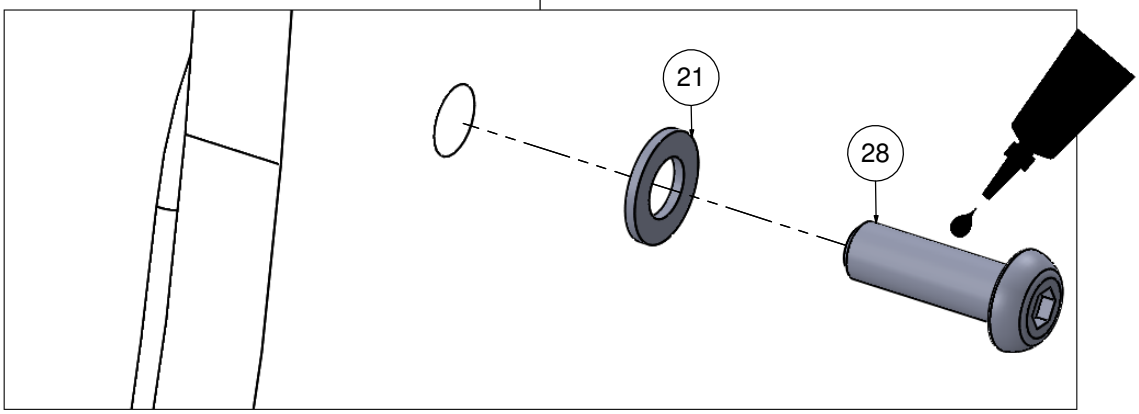




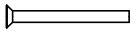
INST_12_69 3/4

7

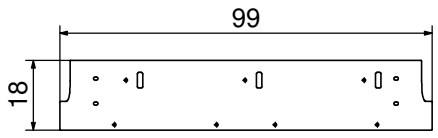


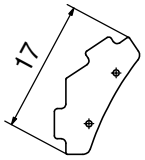


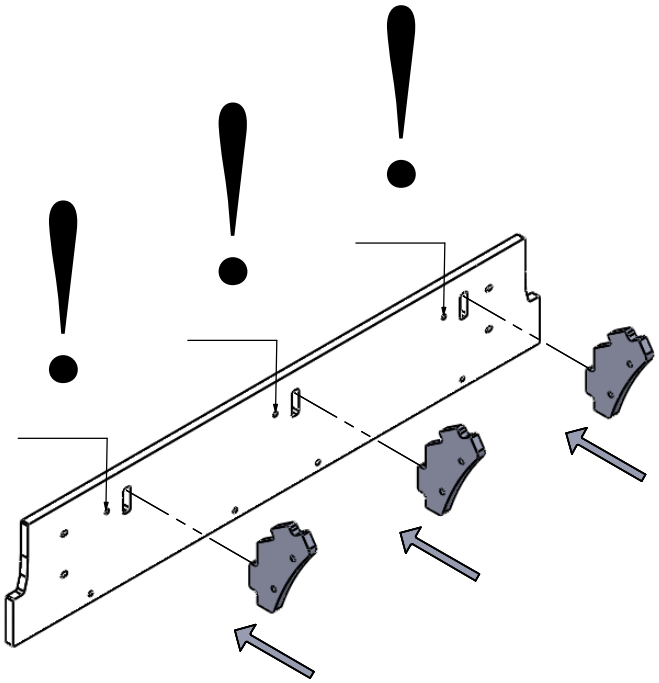
INST_12_87

Nr	Σ	Element	DIN	ELEMENT
5	4		DIN 985	M10
14	24		ISO 7380	M6x12
21	40		DIN 125	8x16
22	32		DIN 125	6x12
24	8		ISO 7380	M6x16
29	12		-	K_5_A2_g2_G_v2
44	4		ISO 7380	M10x25
58	1		-	LOCTITE
147	40		-	M6x10
242	4		-	1200_1_A2_g3_G_v3
243	8		-	UCHW_114,3
245	8		DIN 7991	M6x65
249	4		NYLON DIN 125	10x20
271	4		-	1200_25_A2_g3_G_v1

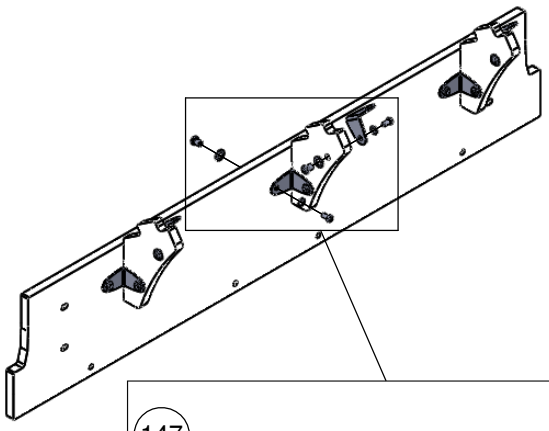
1

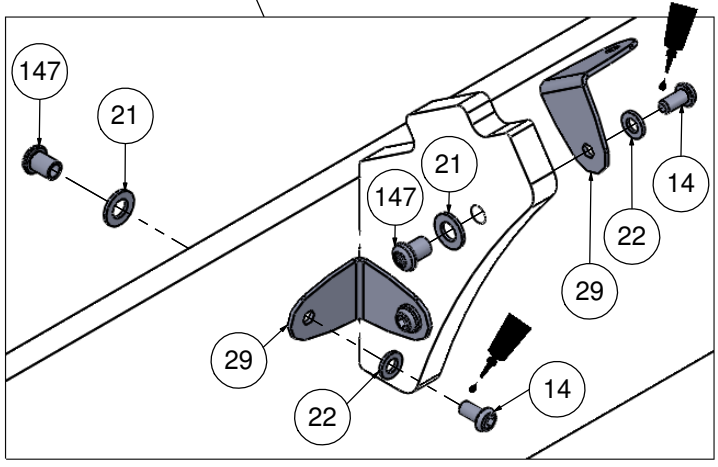






2



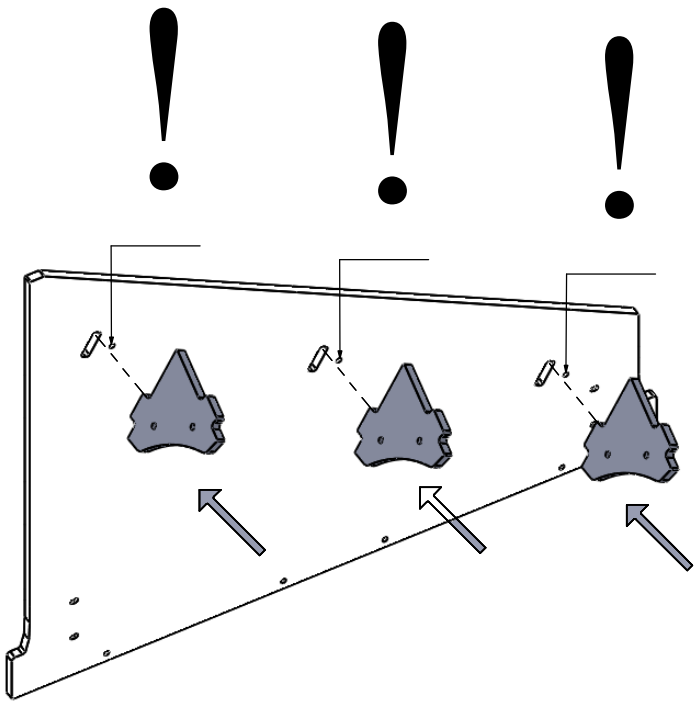


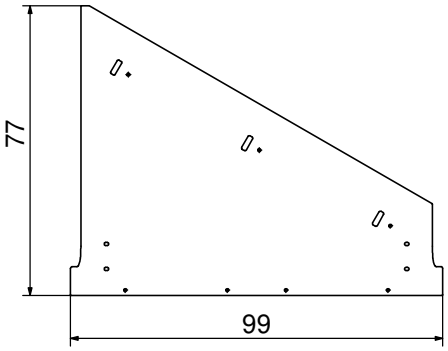


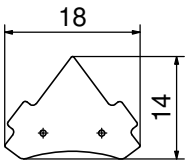


Nr. T30 Nr. 4, 6

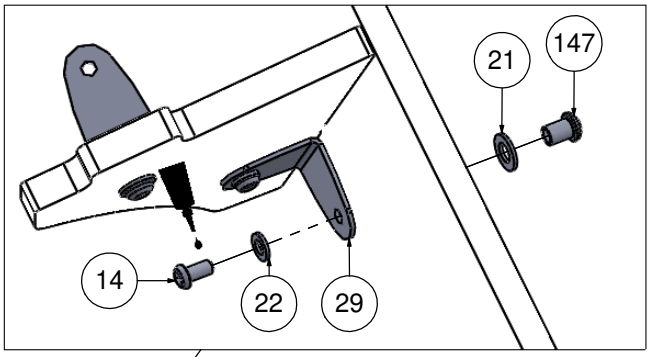
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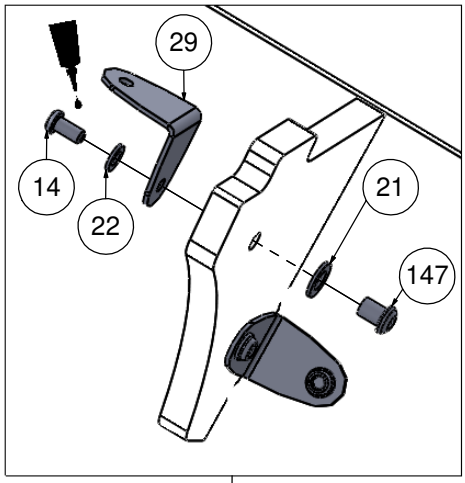


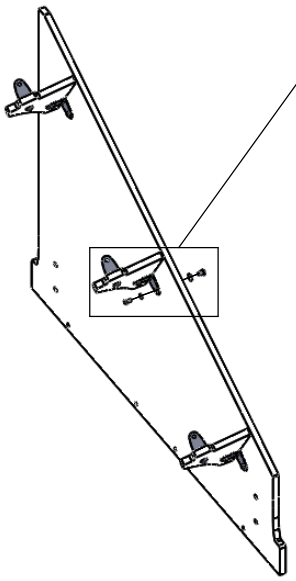


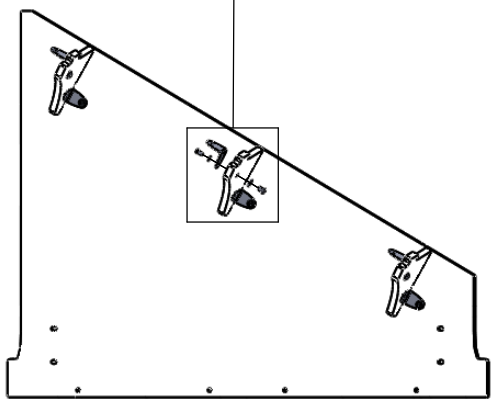


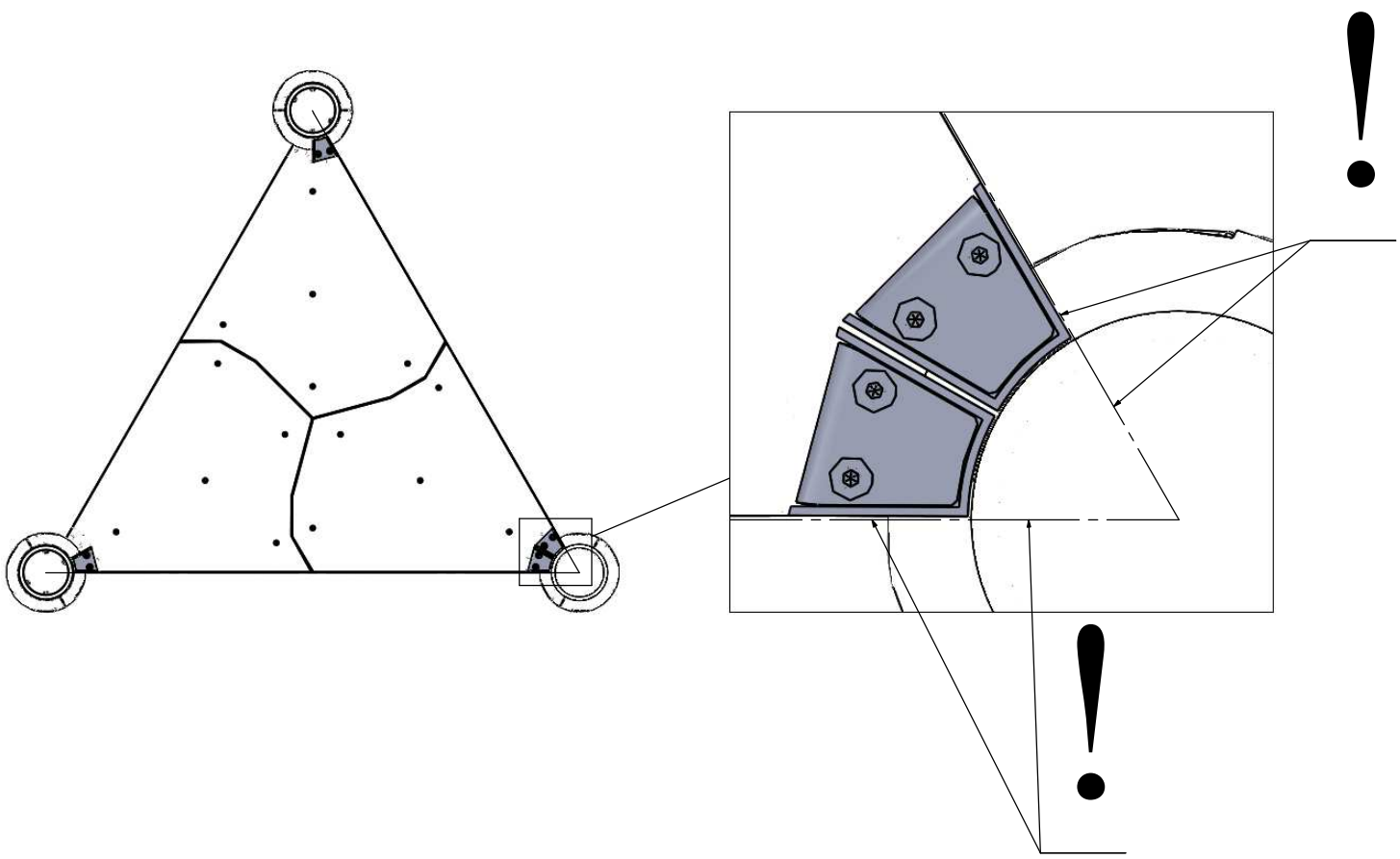
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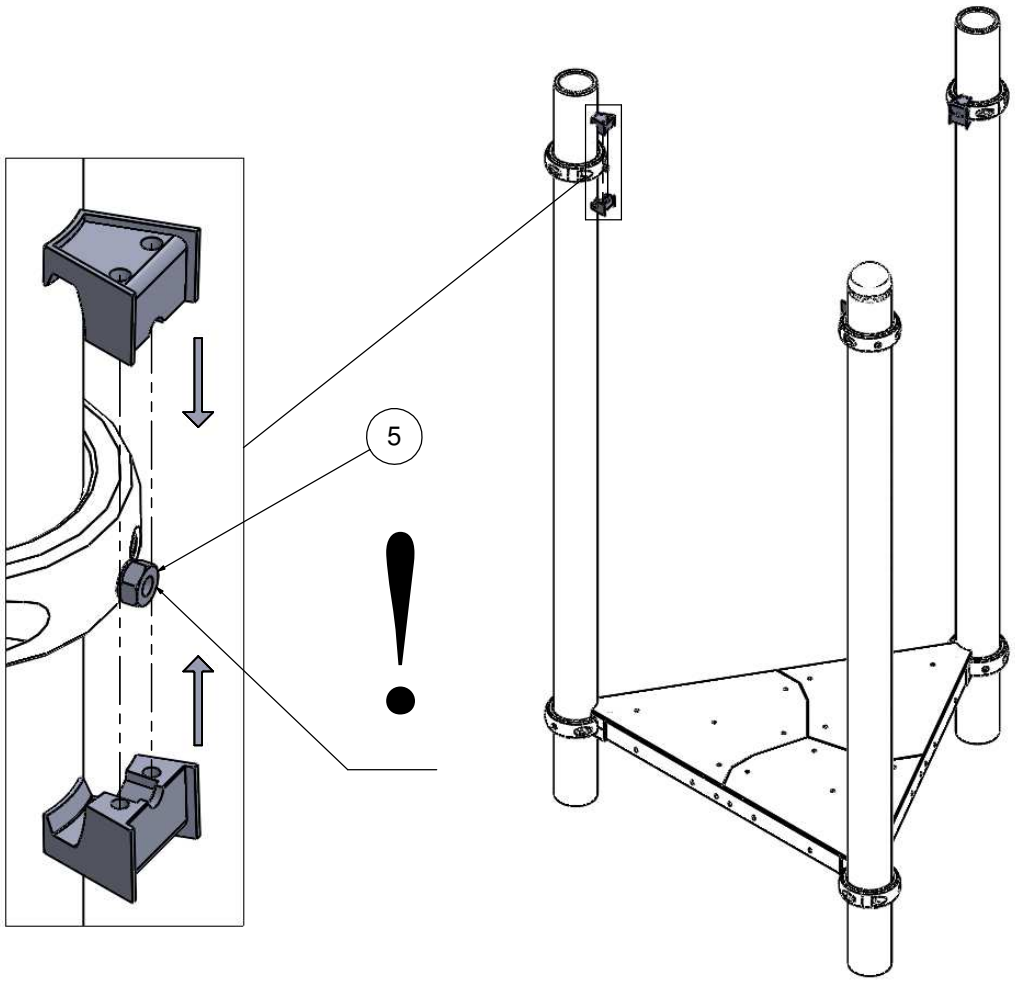




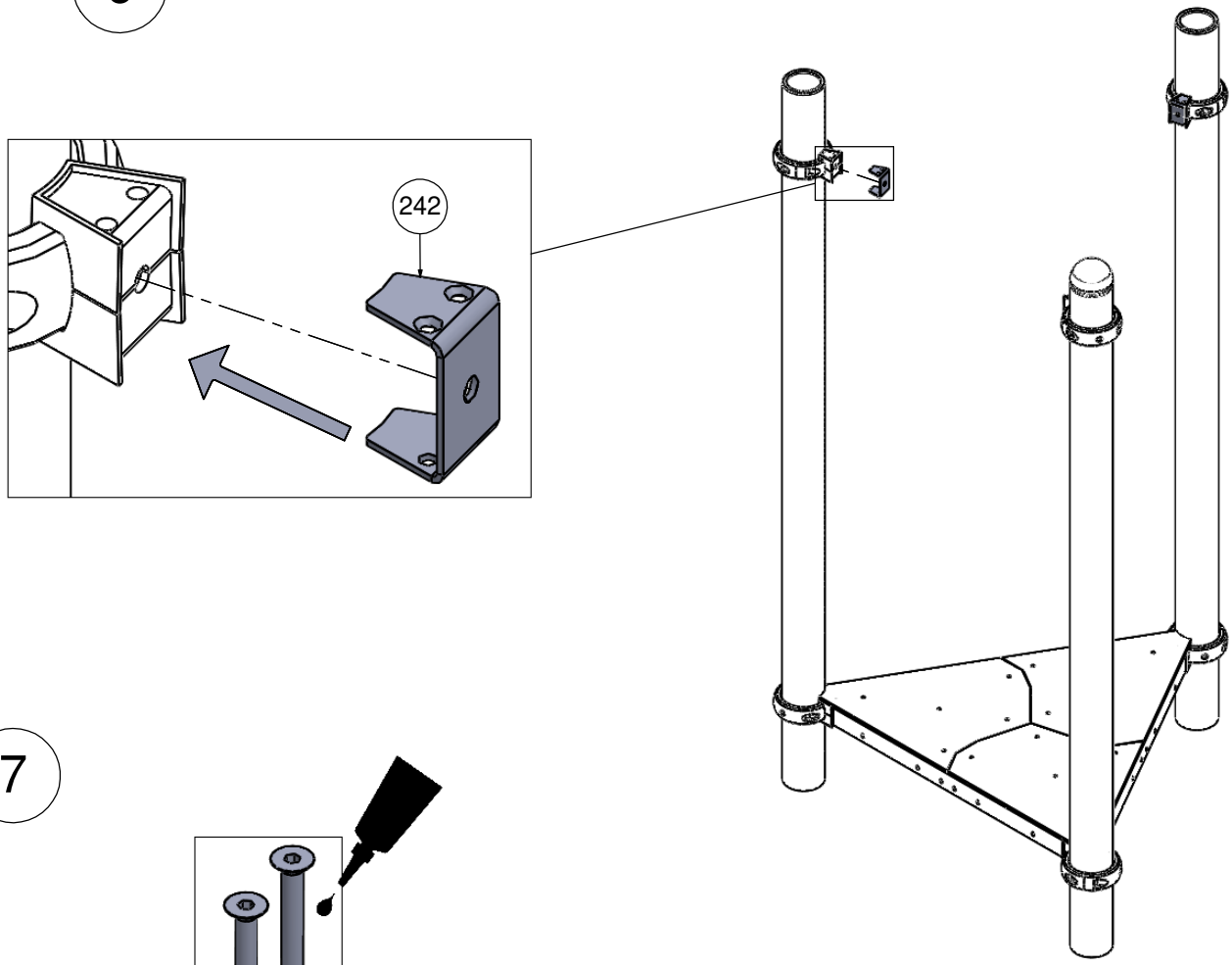




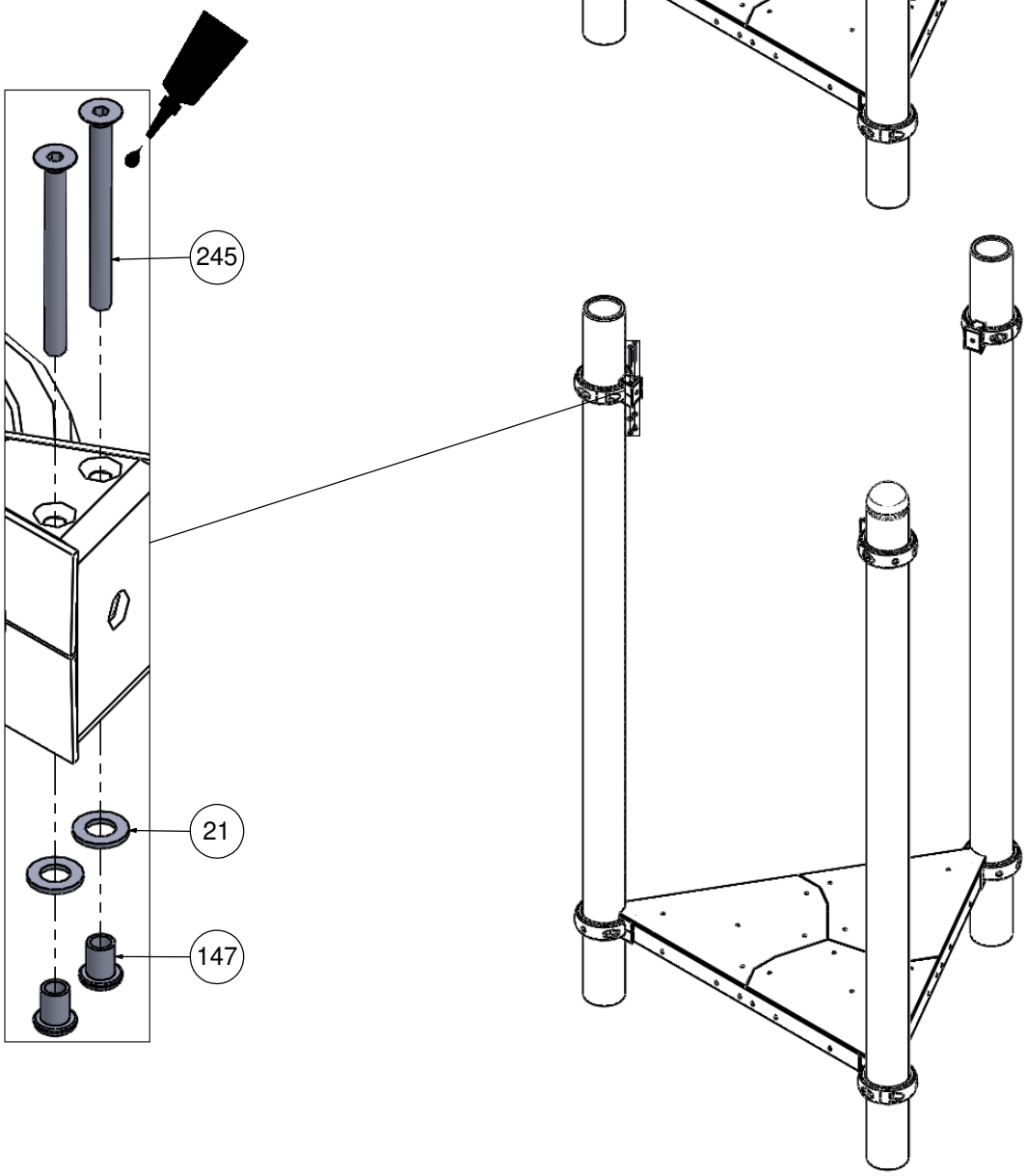
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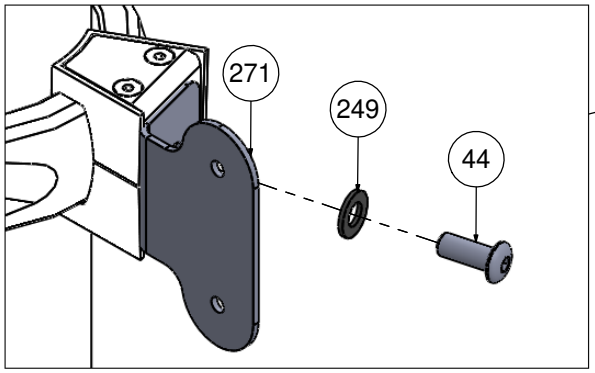
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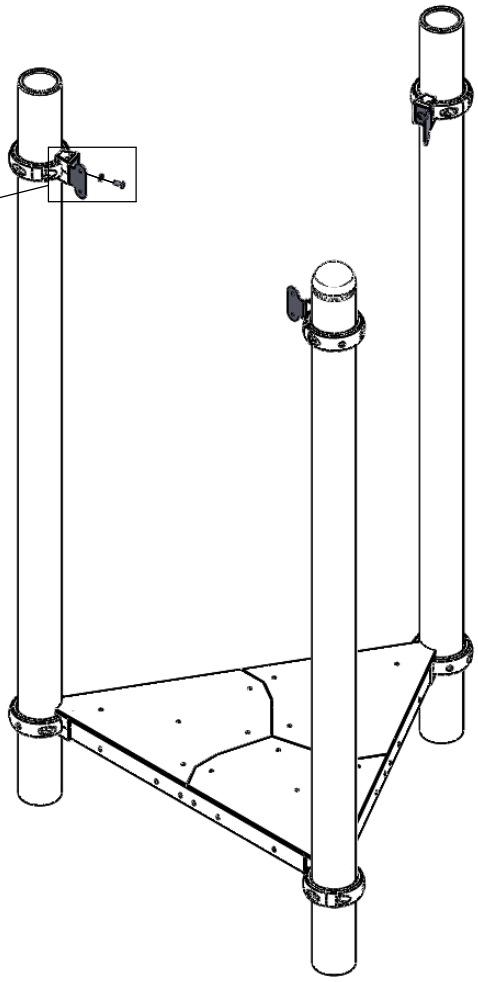


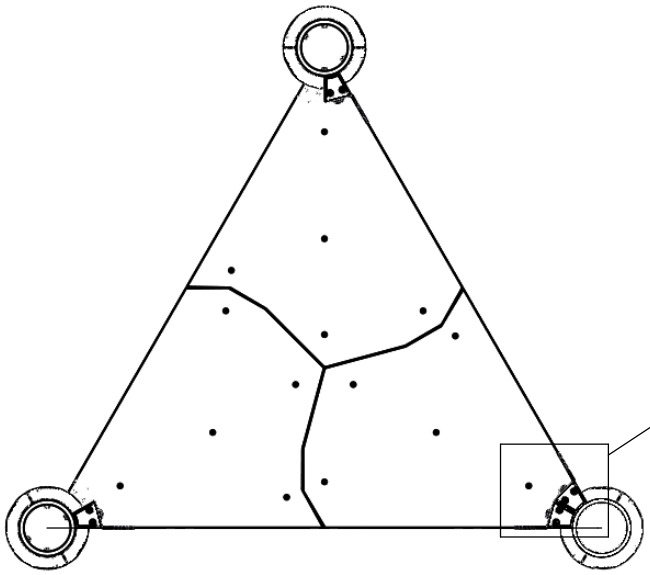
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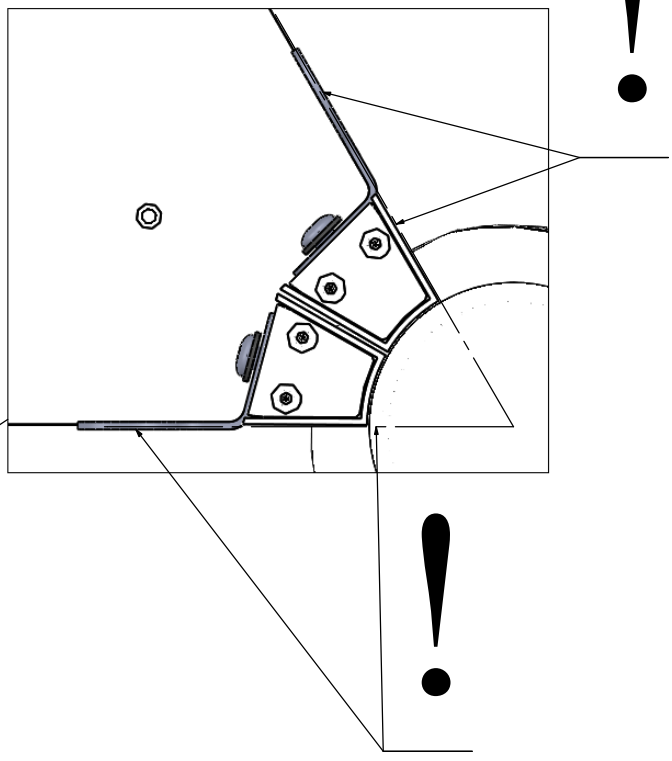


8

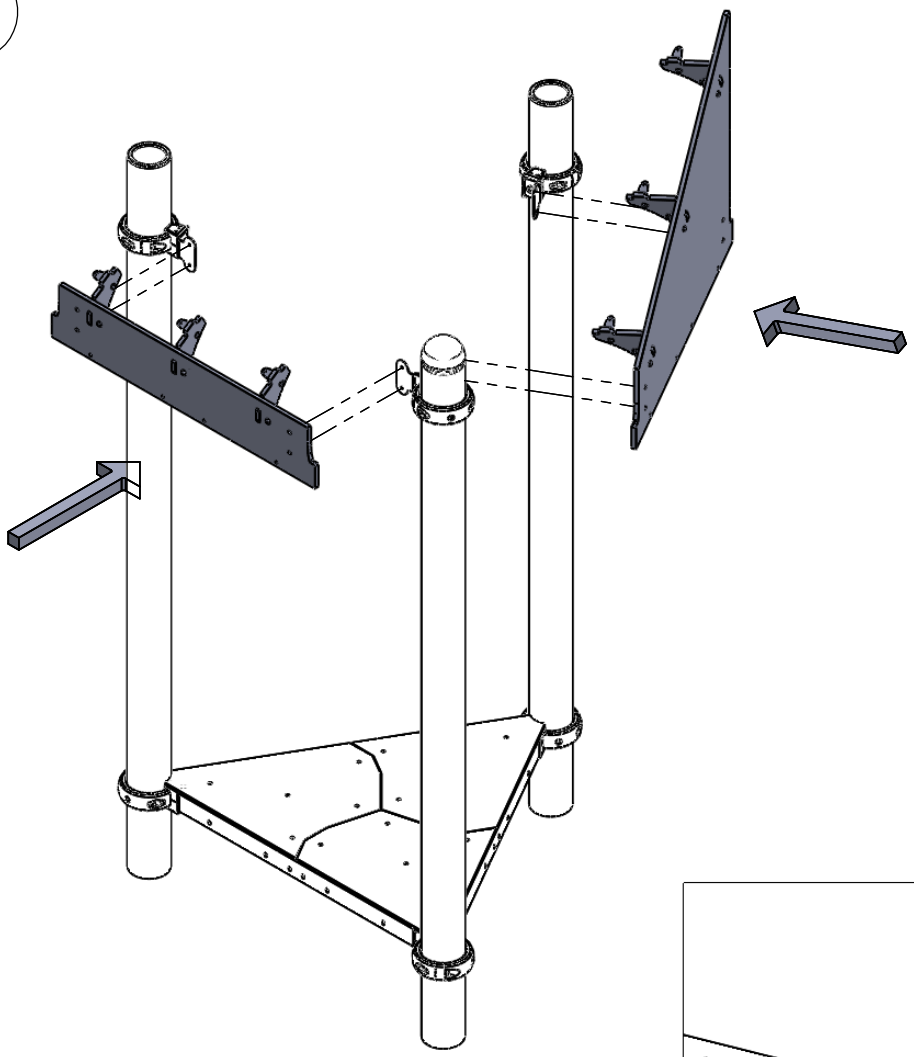


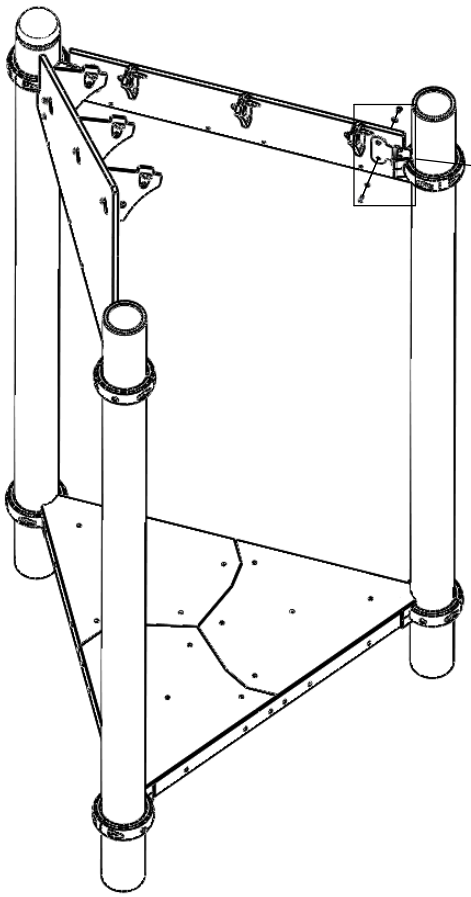


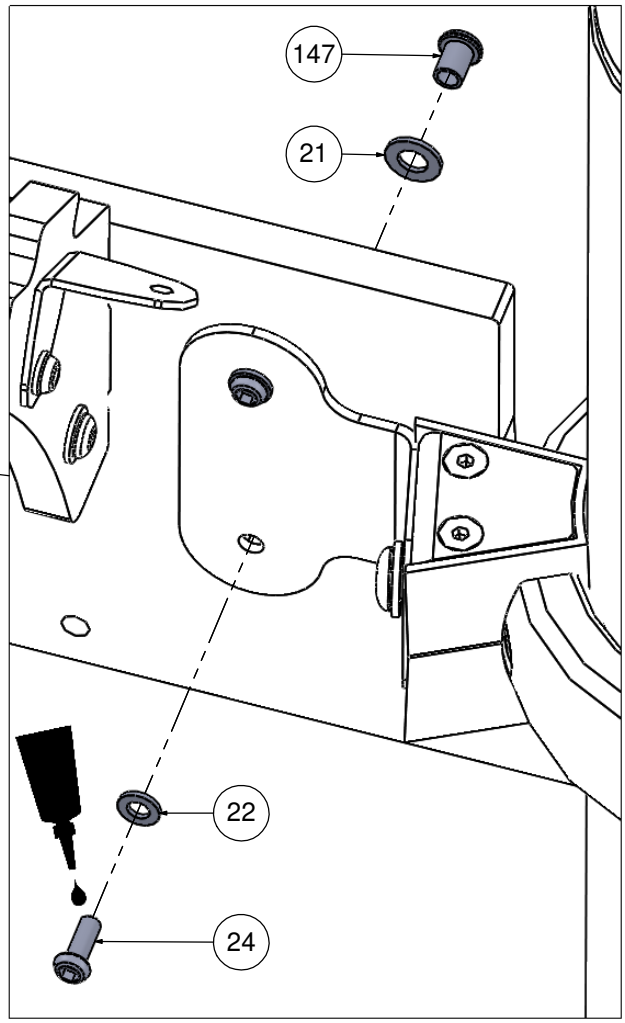




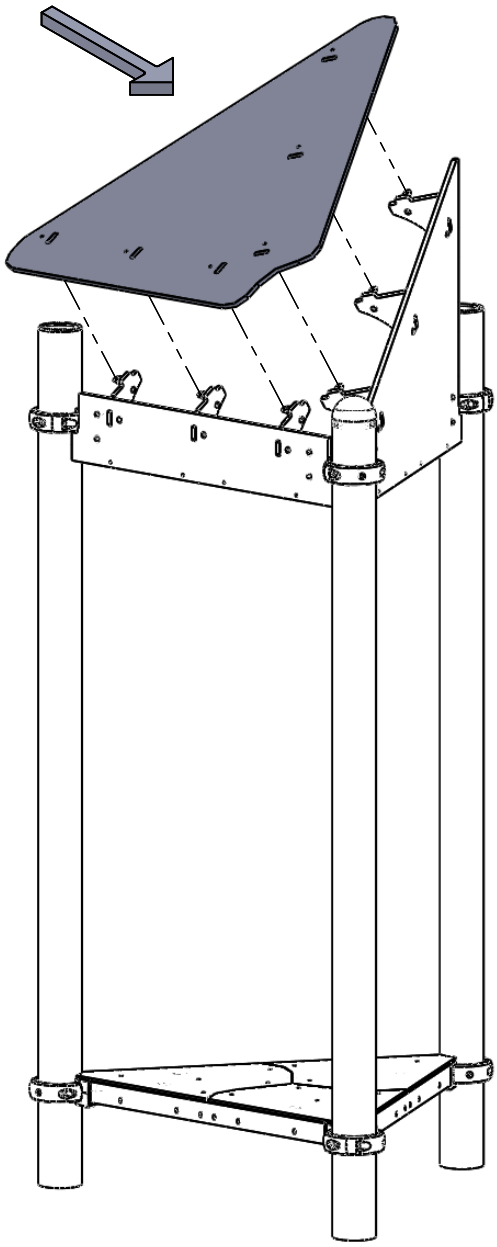
9

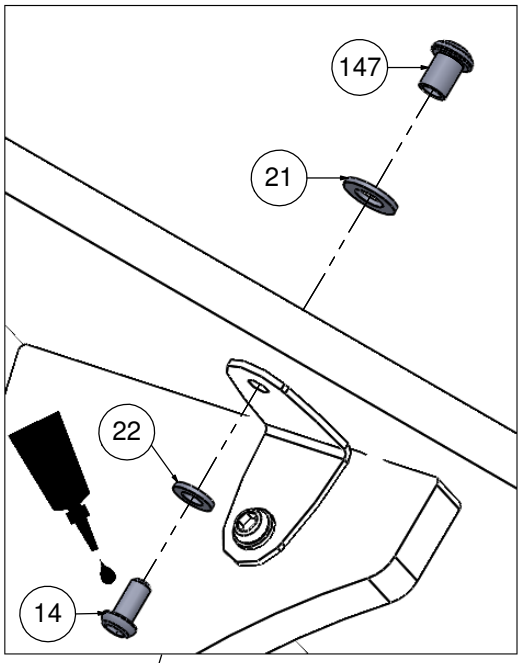


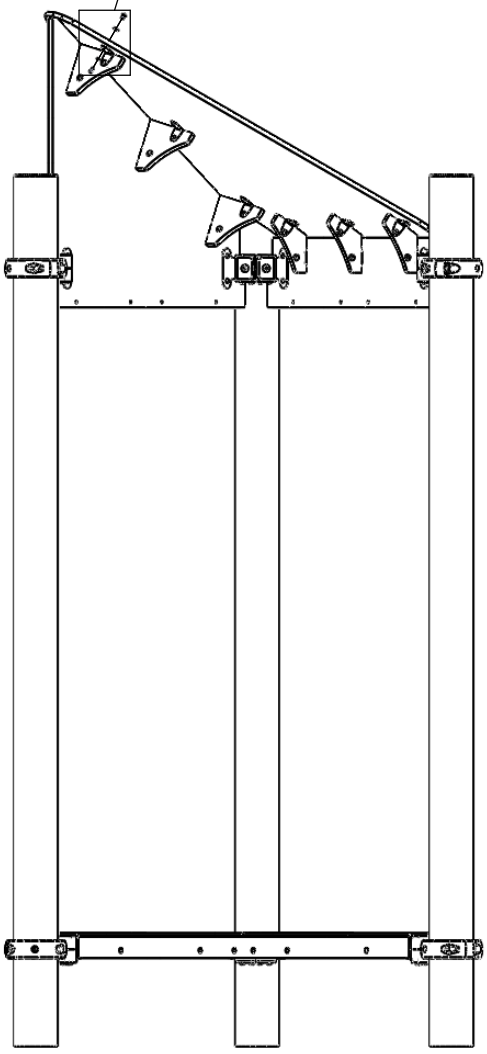




10





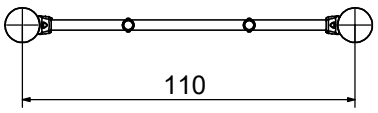


INST_12_88

Nr	Σ	Element		
58	1		-	LOCTITE



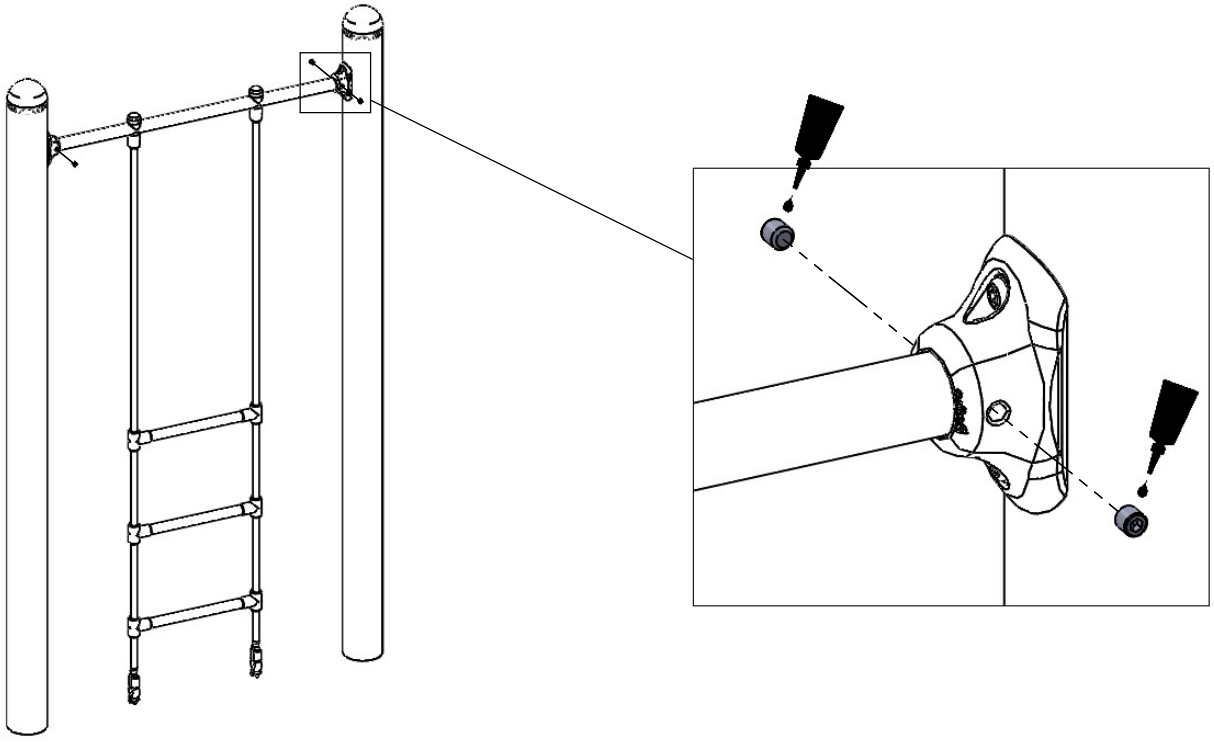
Nr. 5



1

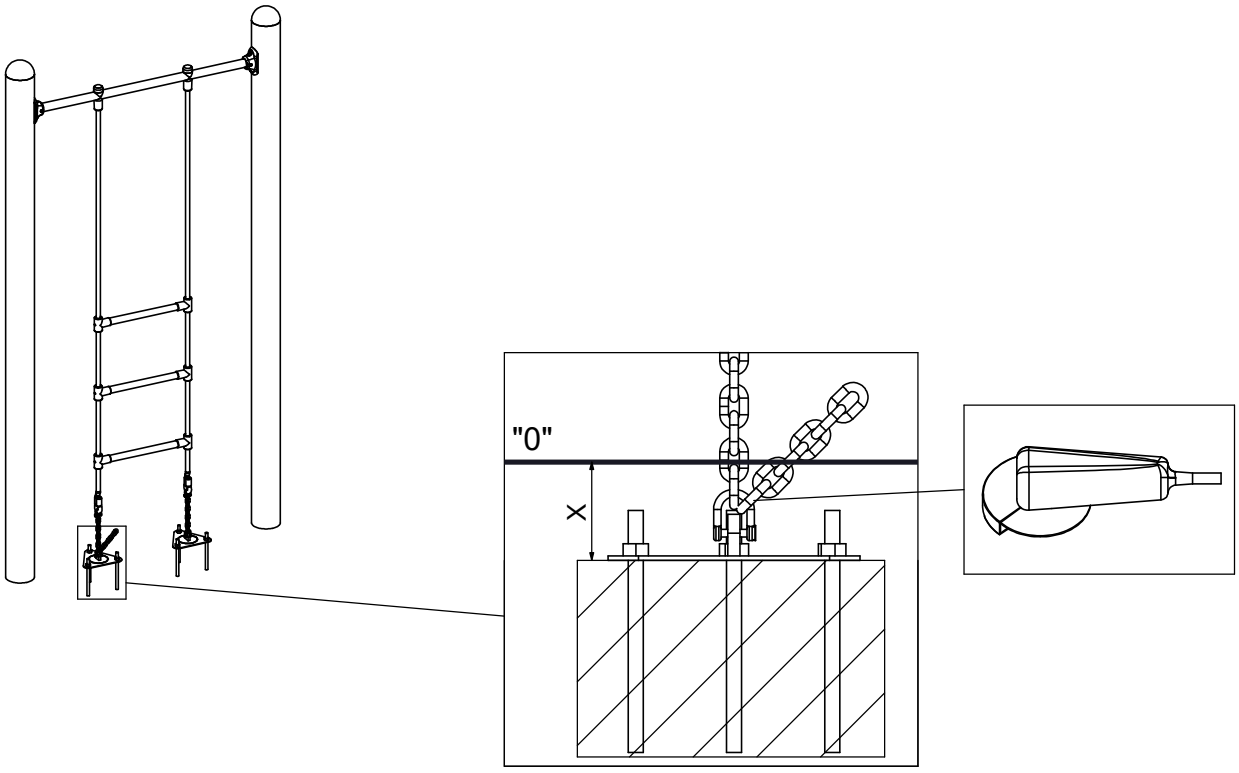


2



3

Nr	Σ	Element		
61	6		-	KL105

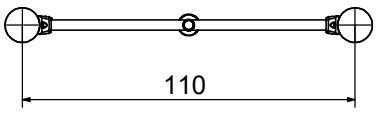


INST_12_89

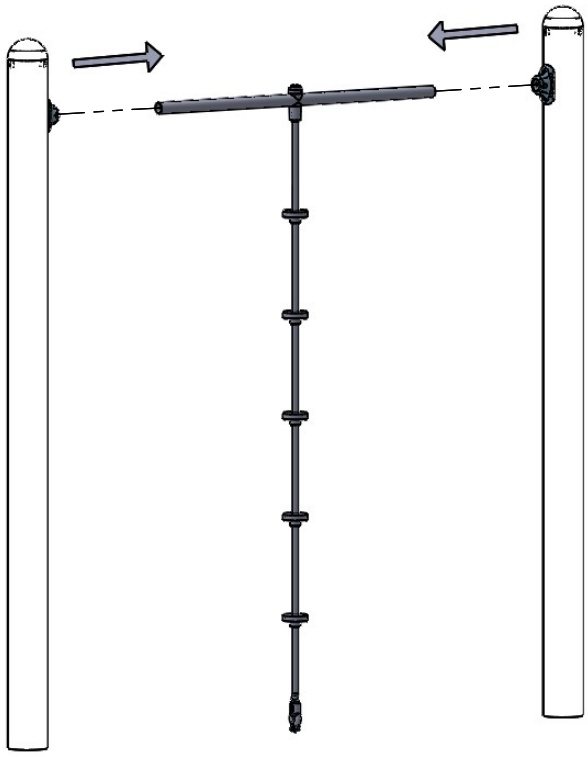
Nr	Σ	Element		
58	1		-	LOCTITE



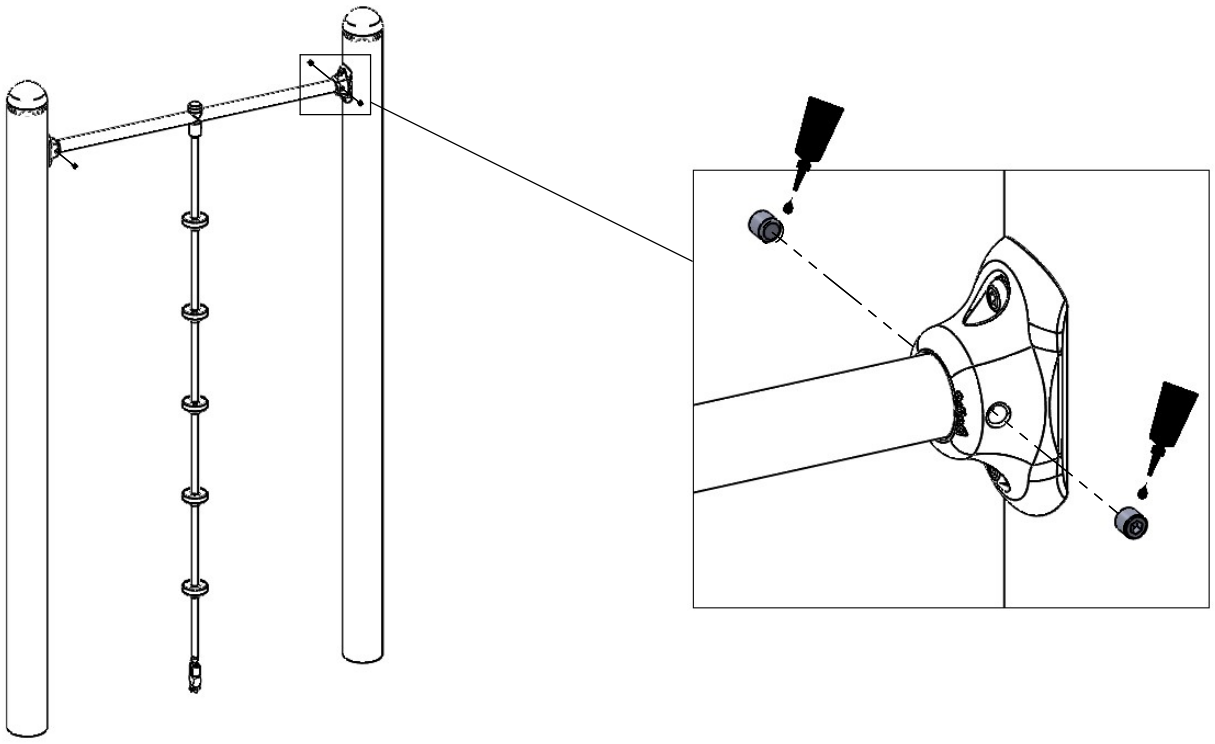
Nr. 5



1

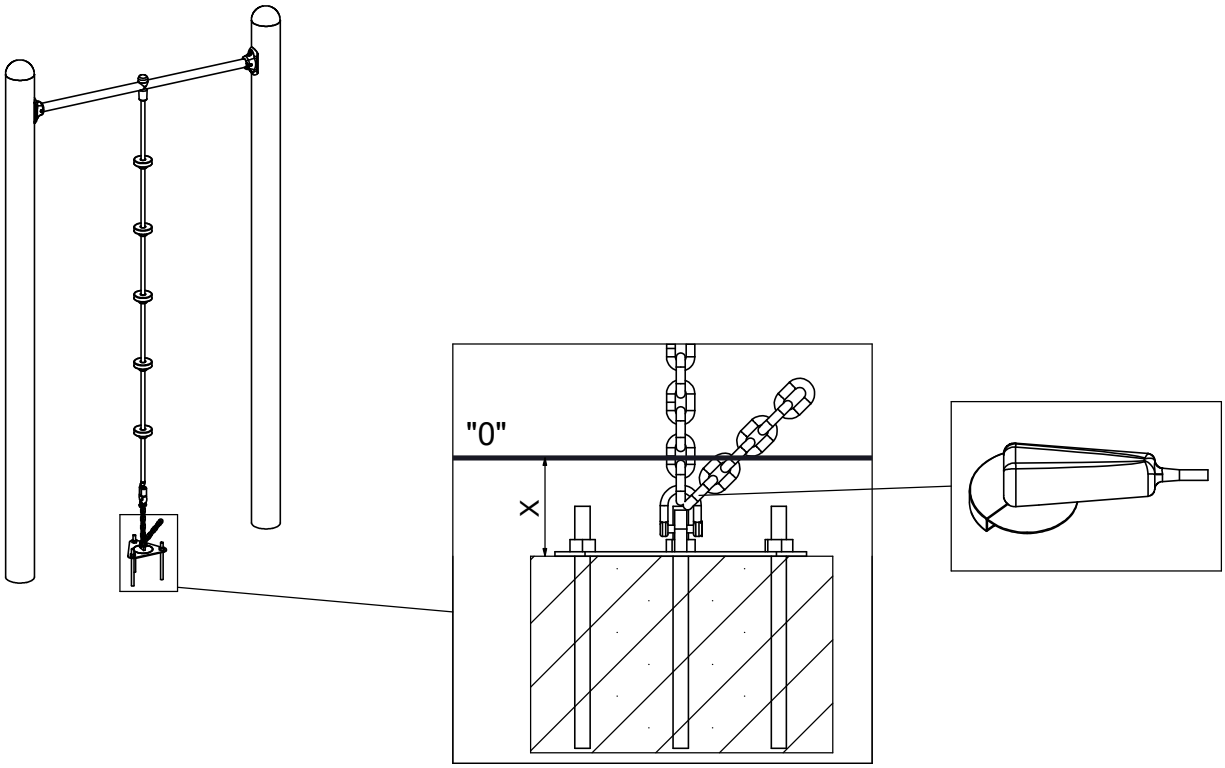


2

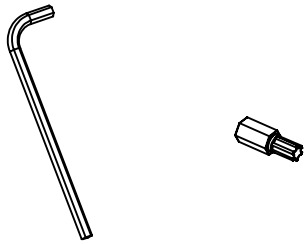


3

Nr	Σ	Element		
61	3		-	KL105



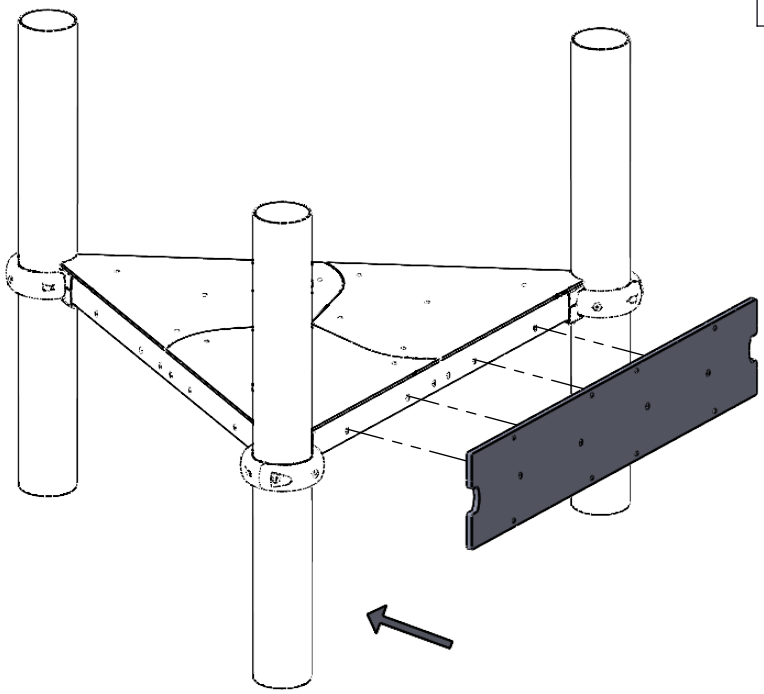
INST_12_90A

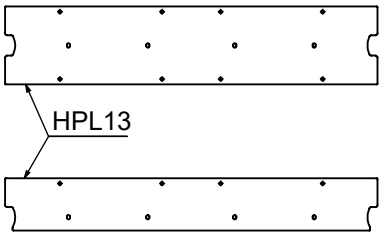


Nr. 4 Nr. T30

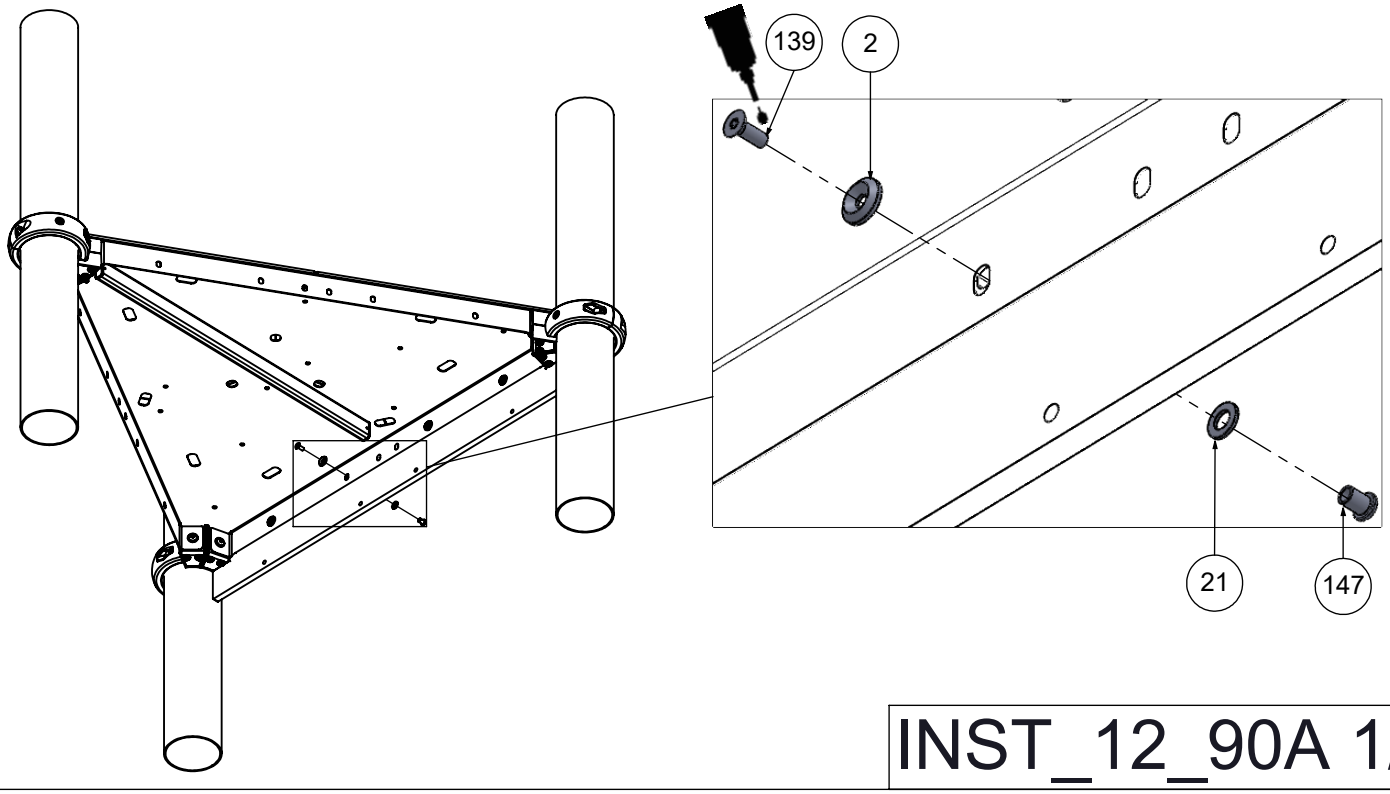
Nr	Σ	Element		
2	4		-	W6x60
21	4		DIN 125	8x16
58	1		-	LOCTITE
139	4		DIN 7991	M6x16
147	4		-	M6x10

1



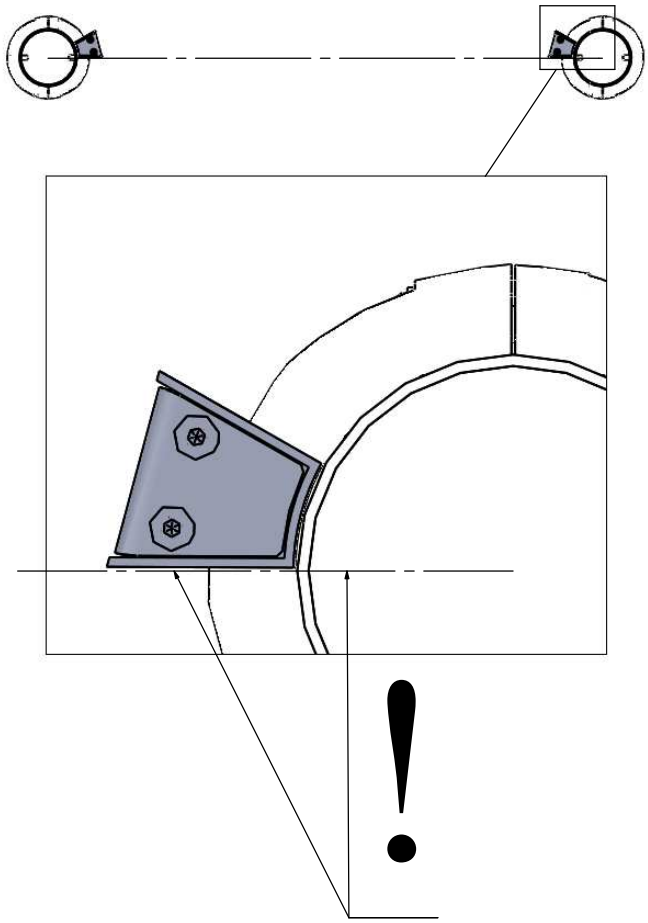


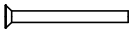
2



INST_12_90A 1/1

INST_12_90B

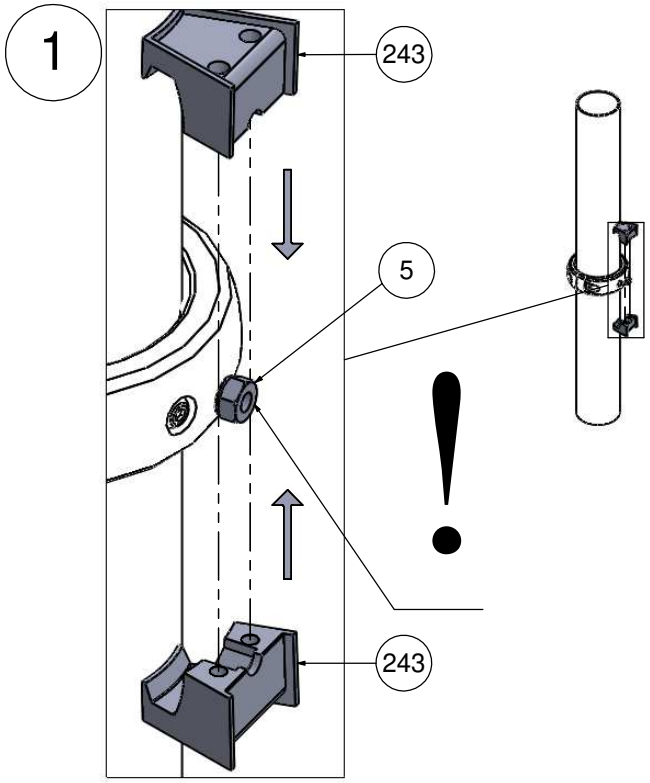


Nr	Σ	Element	DIN	ELEMENT
5	2		DIN 985	M10
21	8		DIN 125	8x16
22	4		DIN 125	6x12
24	4		ISO 7380	M6x16
44	2		ISO 7380	M10x25
58	1		-	LOCTITE
147	8		-	M6x10
242	2		-	1200_1_A2_g3_G_v3
243	4		-	UCHW_114,3
245	4		DIN 7991	M6x65
249	2		NYLON DIN 125	10x20
271	2		-	1200_25_A2_g3_G_v1



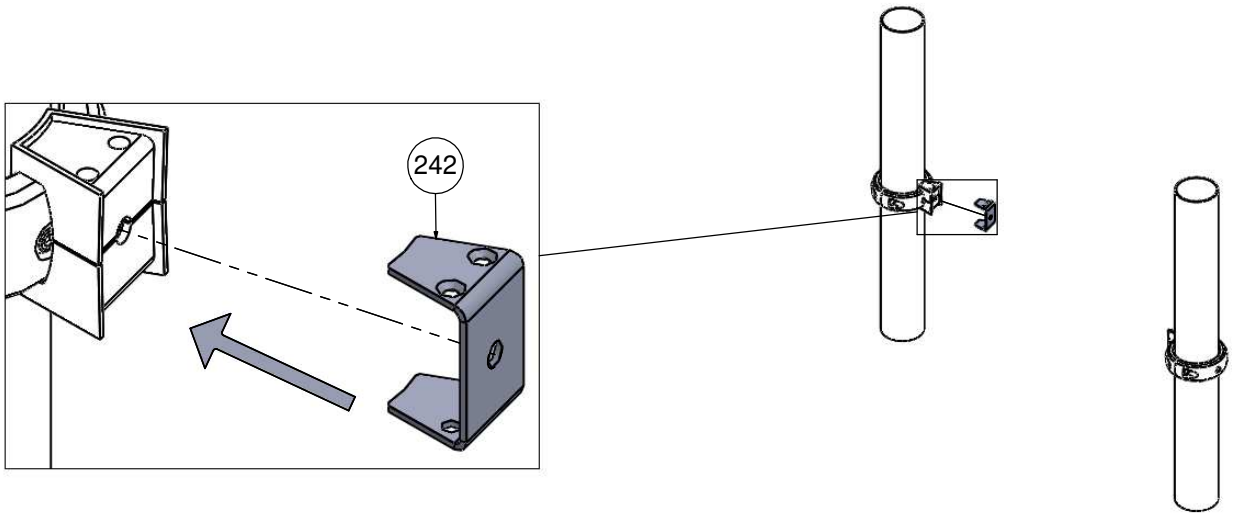


Nr. 4, 6 Nr. T30

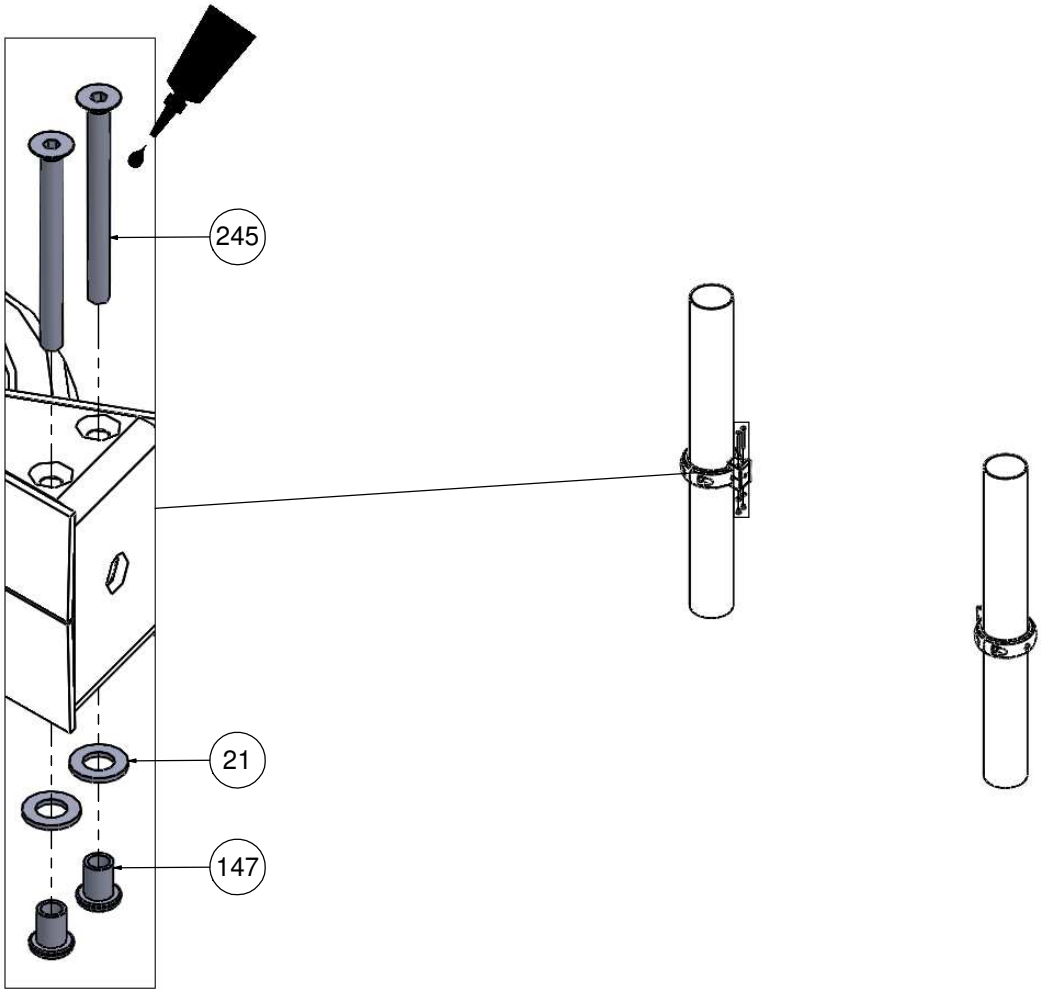




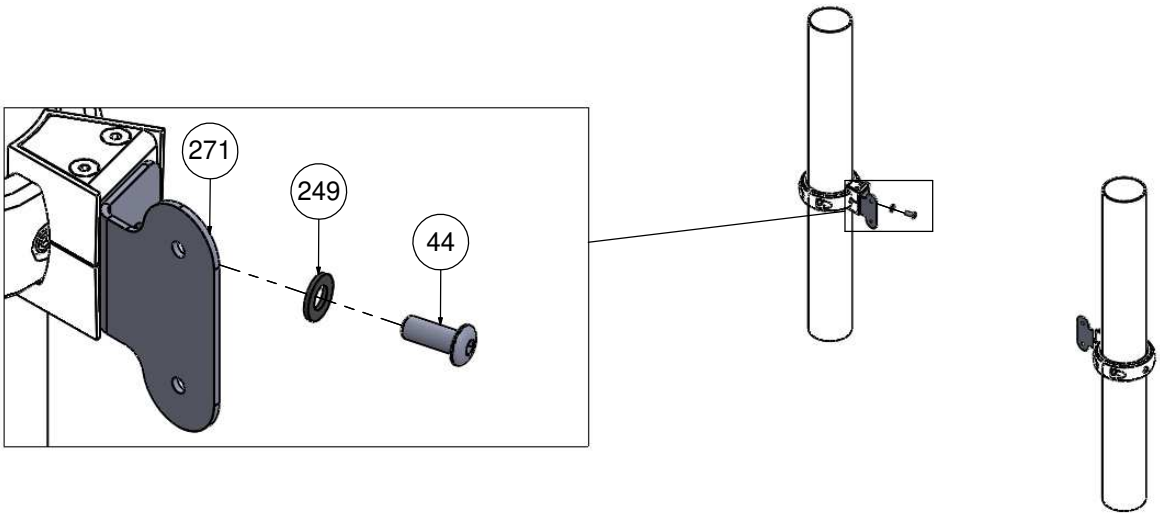
2

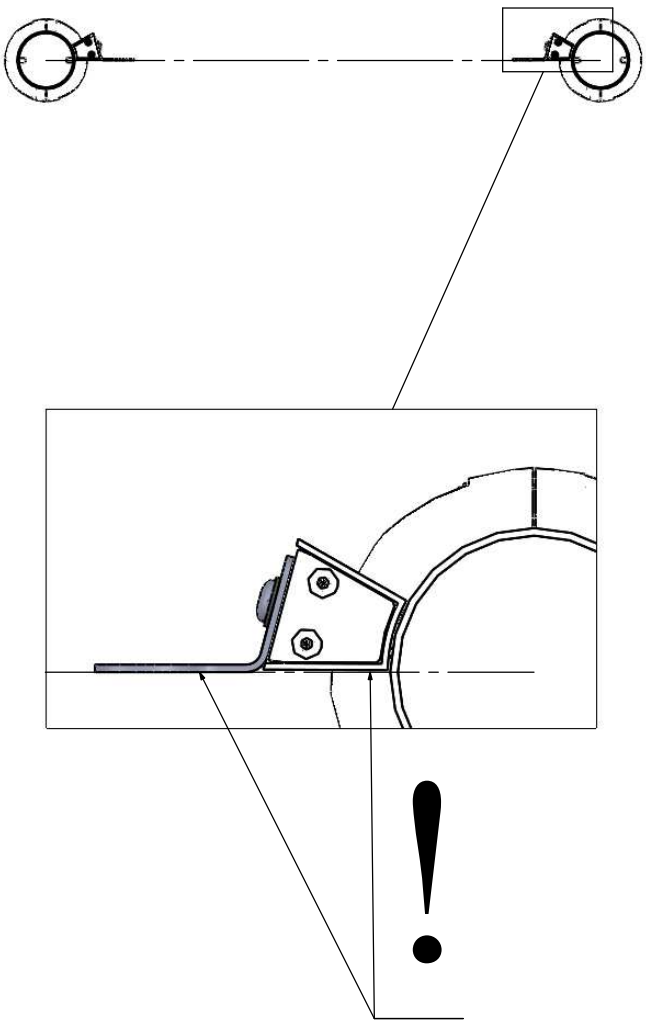


3

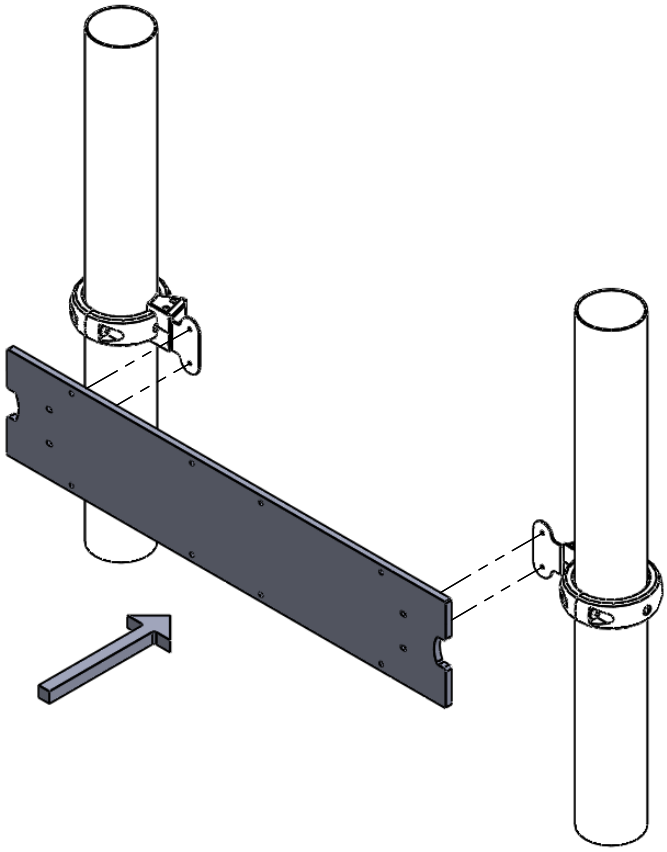


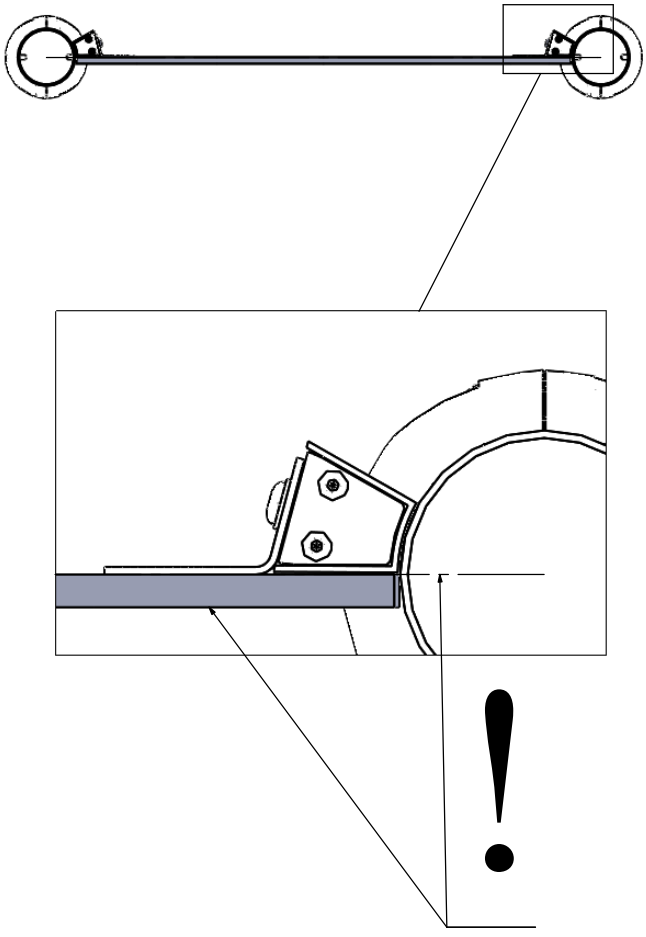
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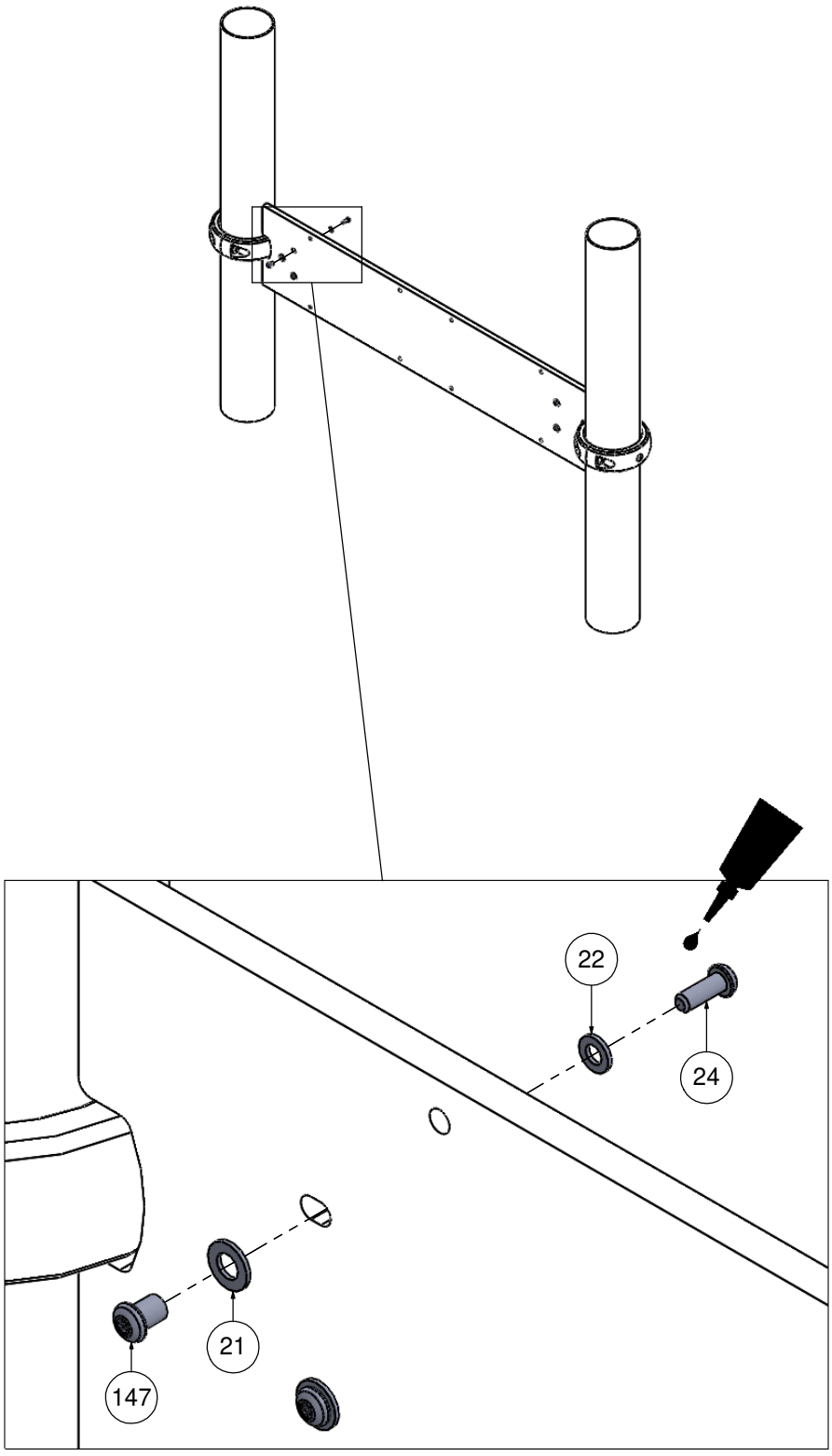


5





6



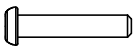
INST_12_92



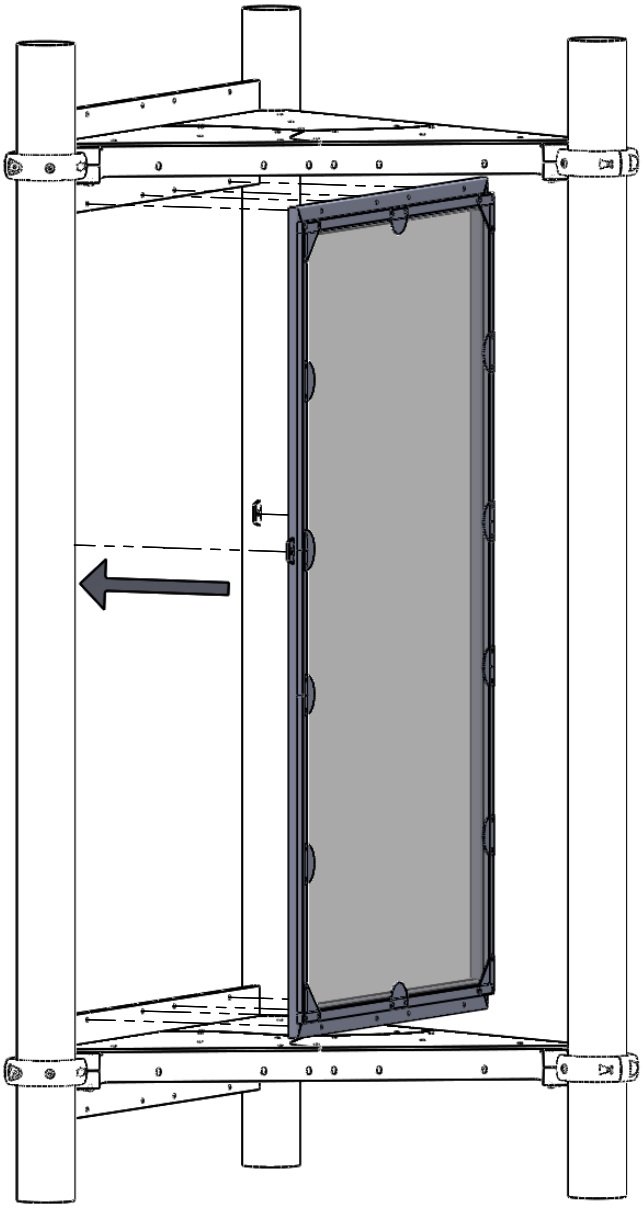
Nr. 4

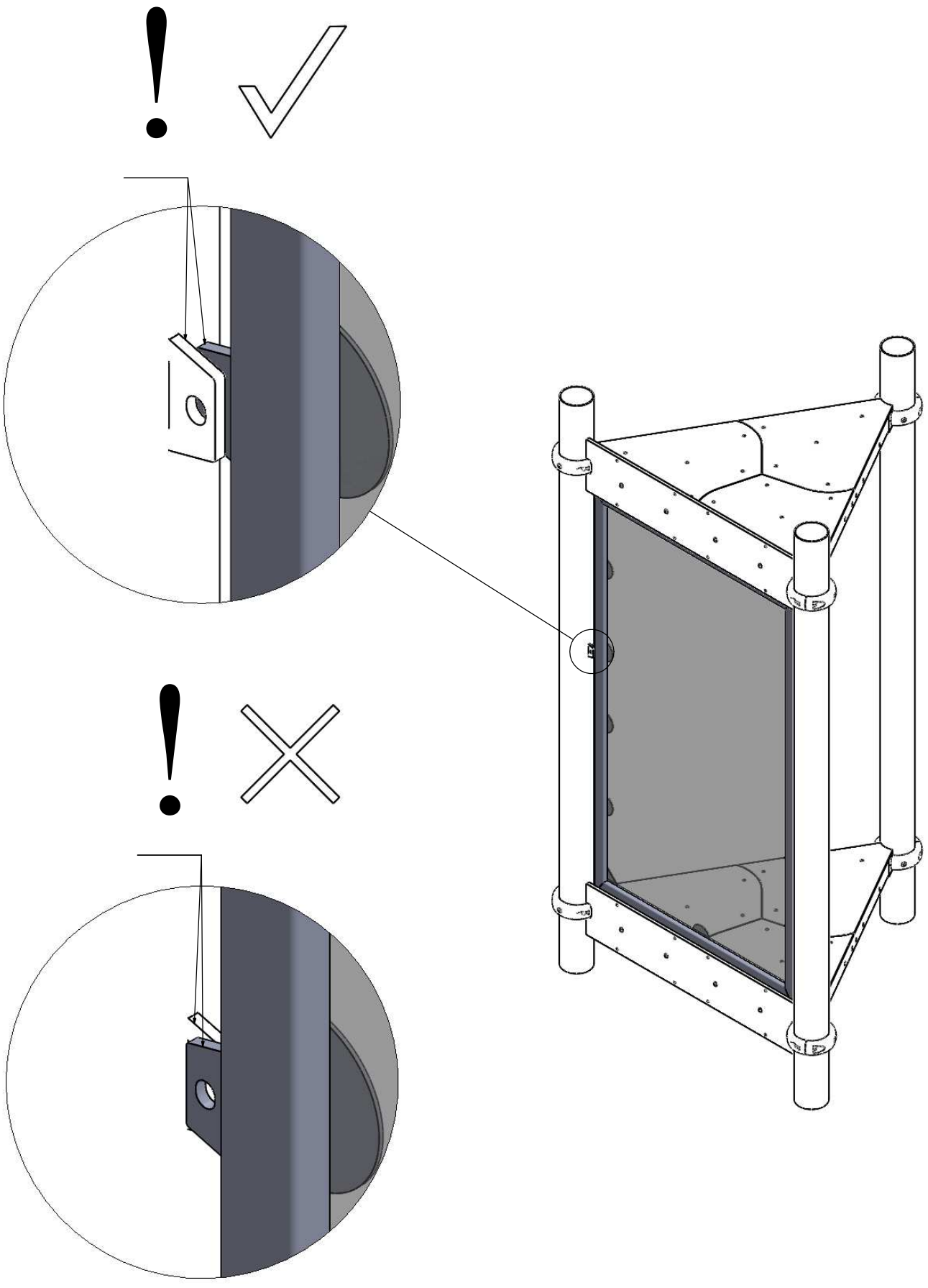


Nr. T30

Nr	Σ	Element		
2	2		-	W6x60
10	8		DIN 9021	6x18
15	8		ISO 7380	M6x30
21	10		DIN 125	8x16
58	1		-	LOCTITE
146	2		DIN 7991	M6x12
147	10		-	M6x10

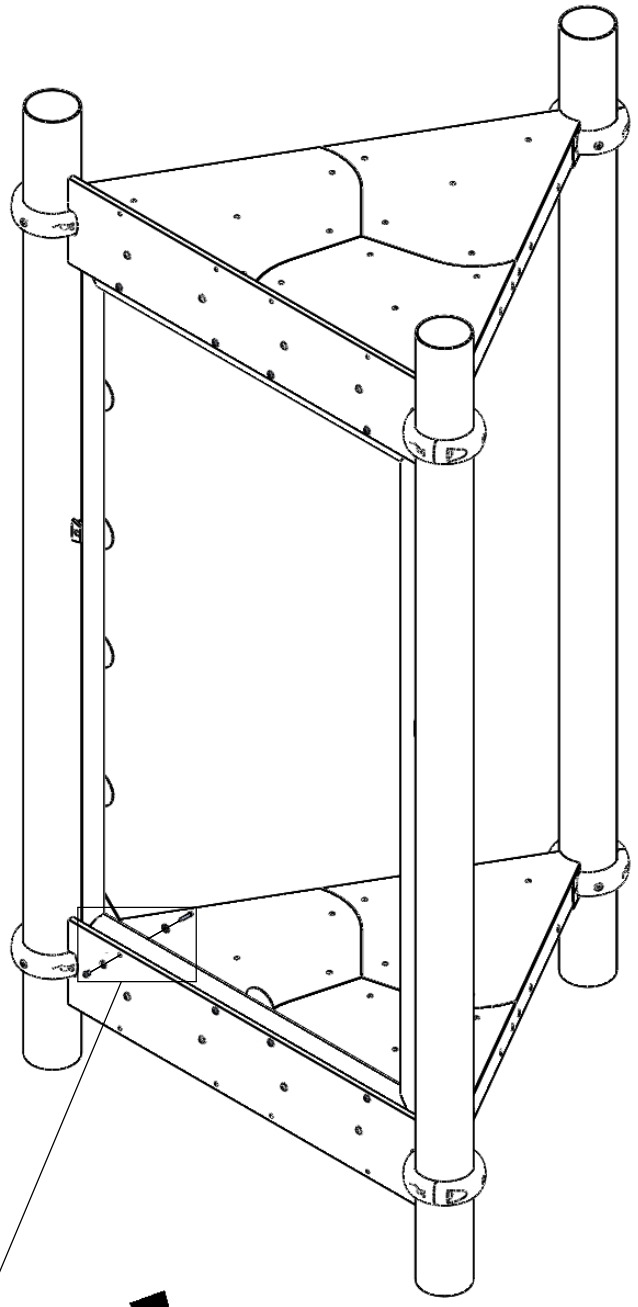
1

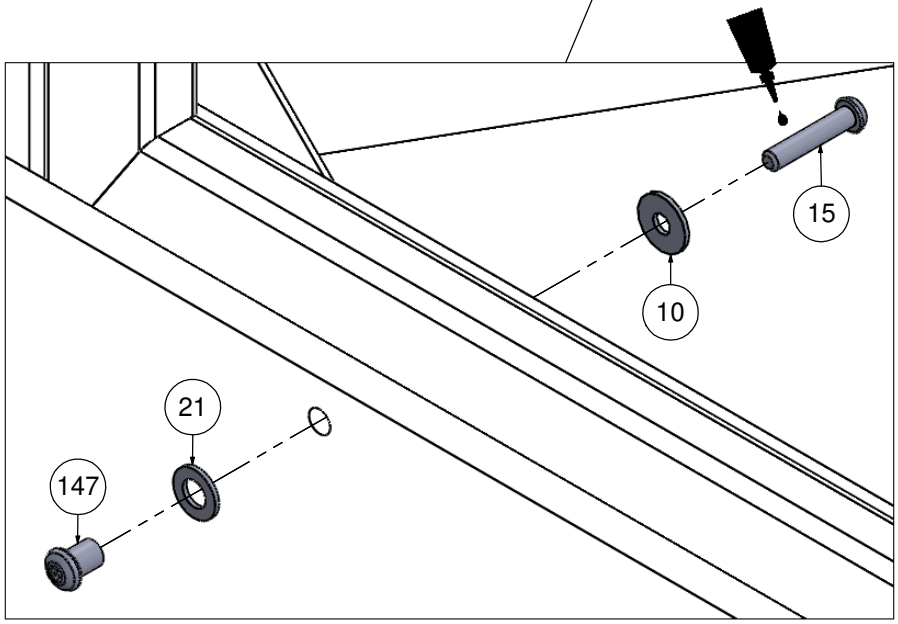




INST_12_92

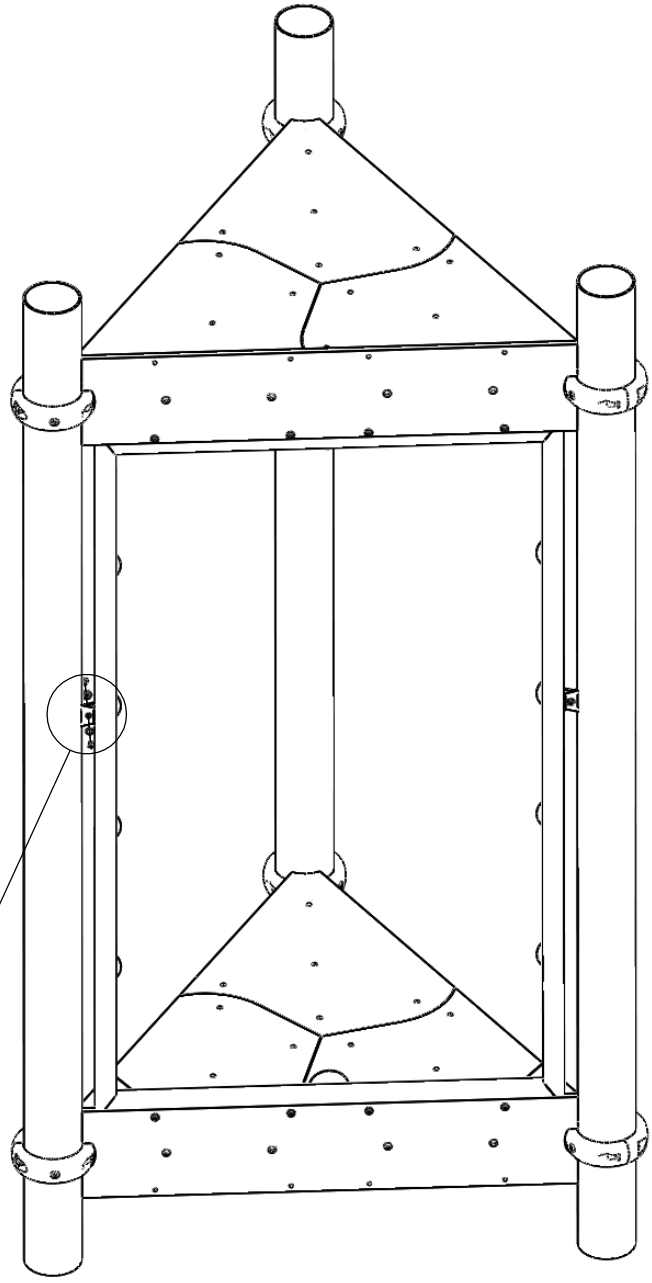
2

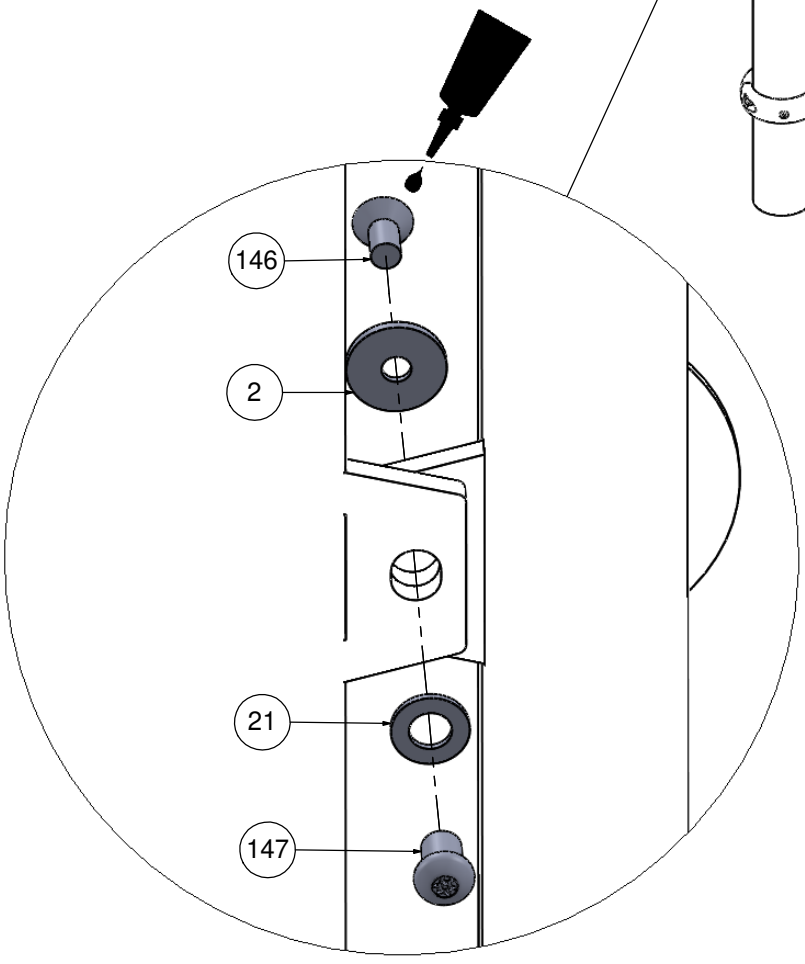




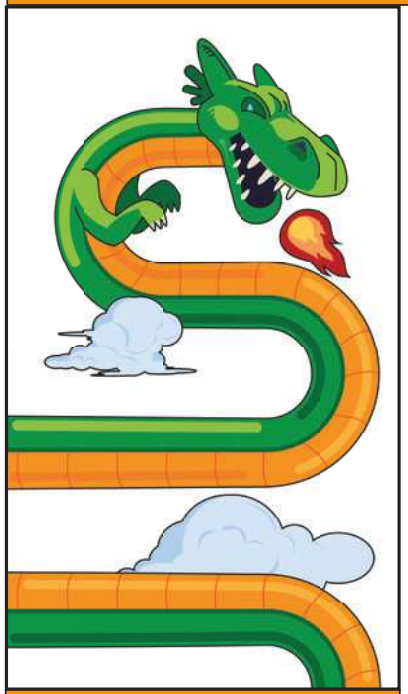
INST_12_92

3

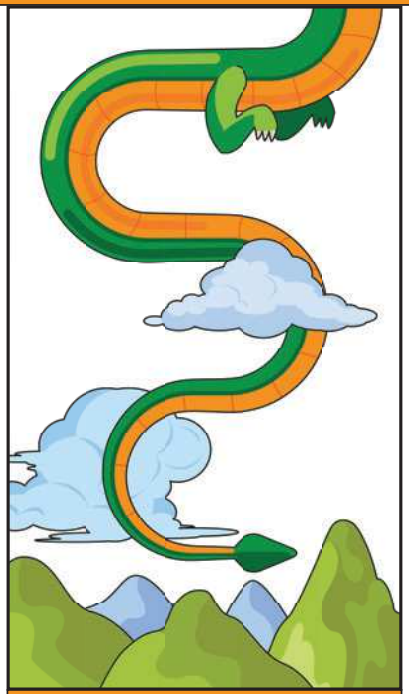




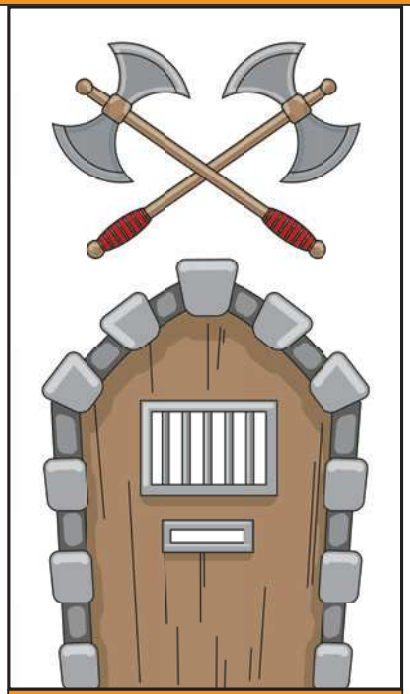
1403



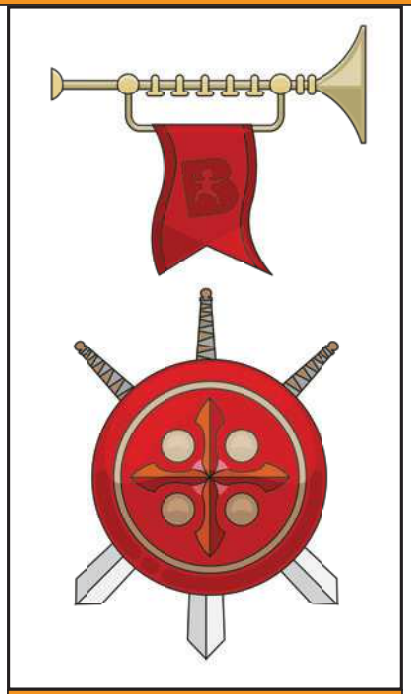
M9_1200_92



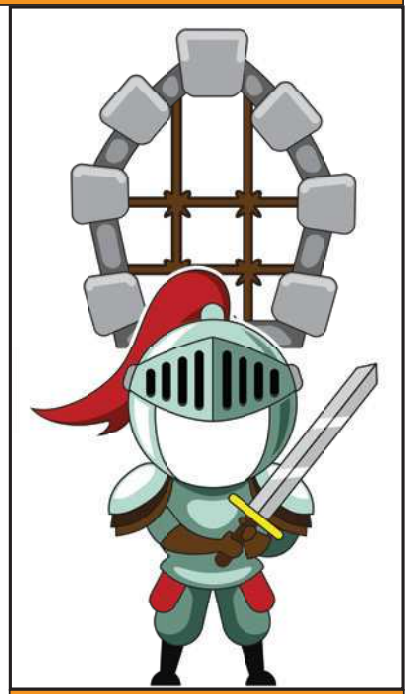
M10_1200_92



M11_1200_92



M12_1200_92



M13_1200_92

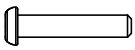
INST_12_93A



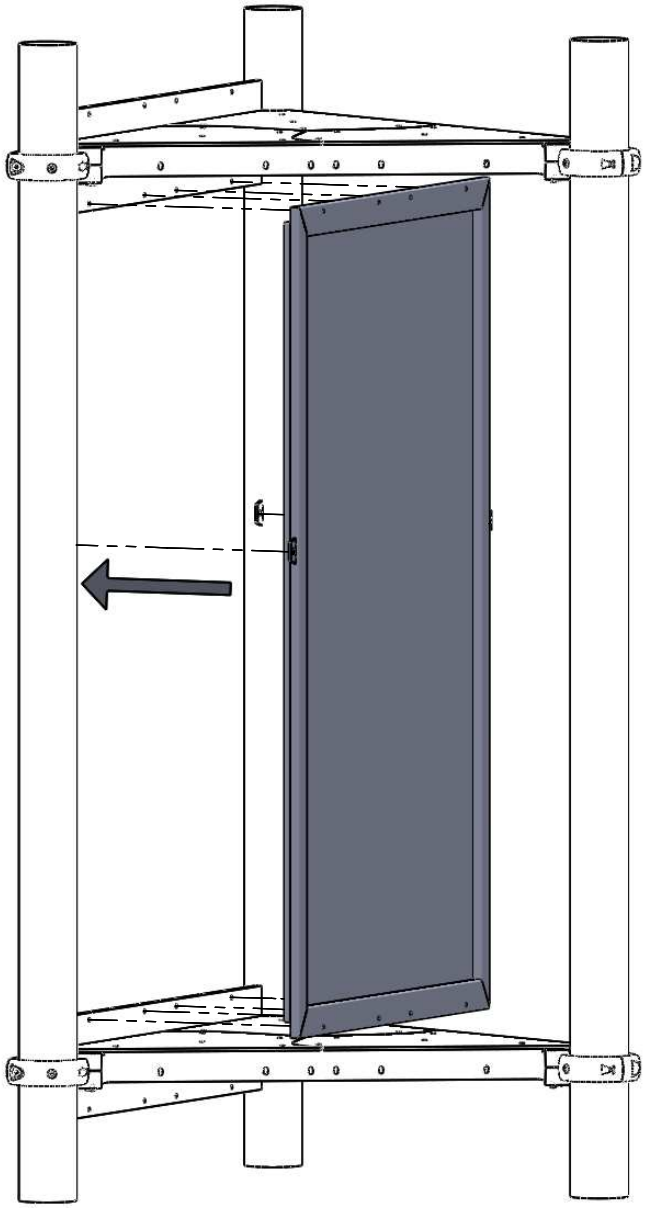
Nr. 4

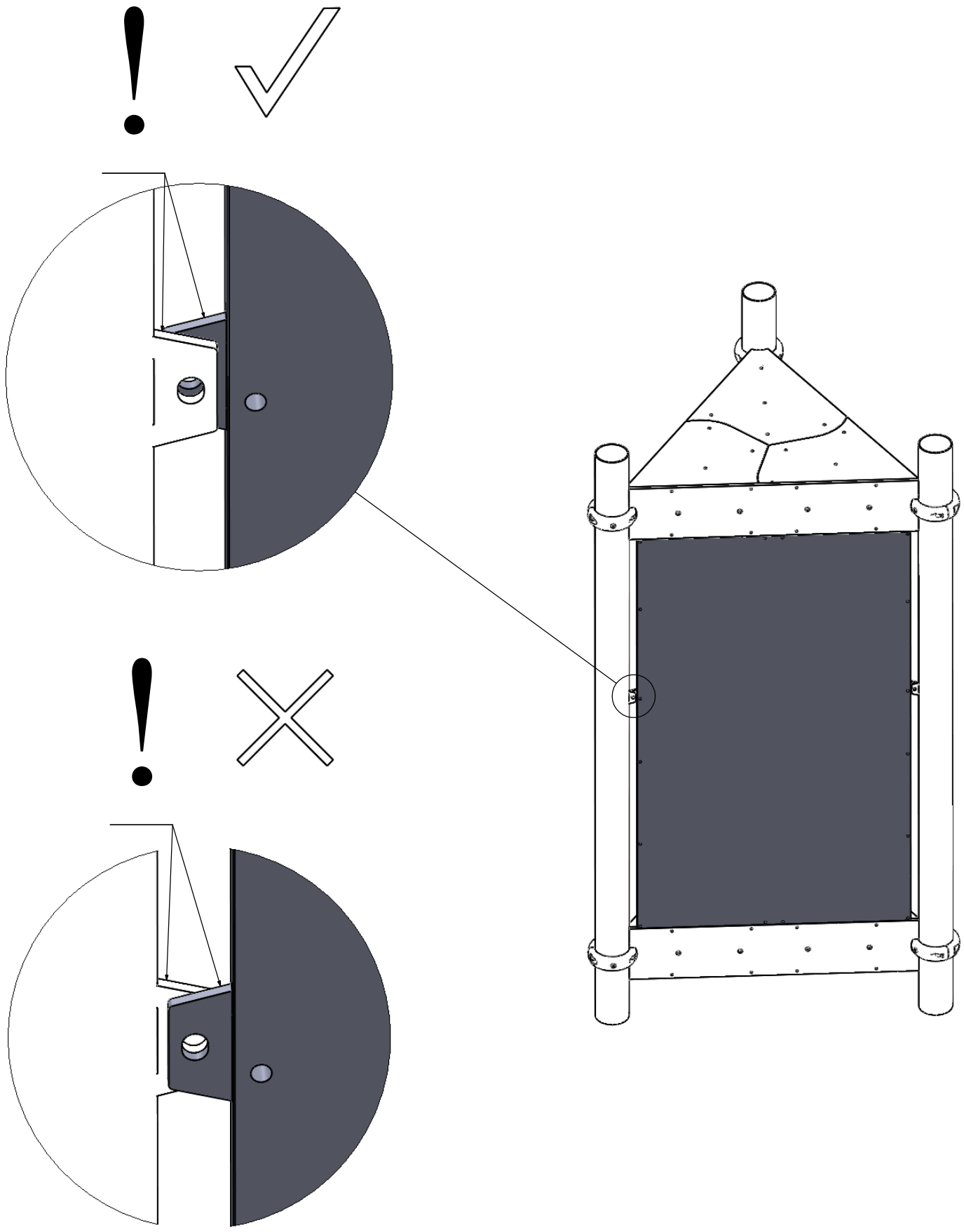


Nr. T30

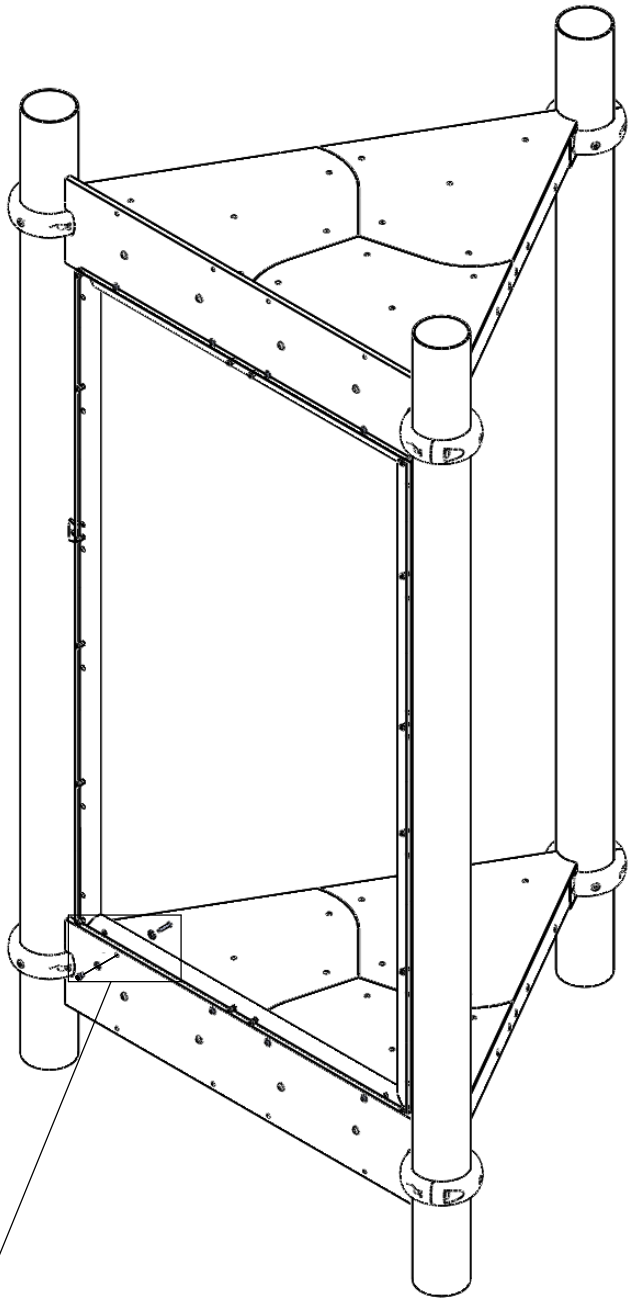
Nr	Σ	Element		
2	2		-	W6x60
10	8		DIN 9021	6x18
15	8		ISO 7380	M6x30
21	10		DIN 125	8x16
58	1		-	LOCTITE
146	2		DIN 7991	M6x12
147	10		-	M6x10

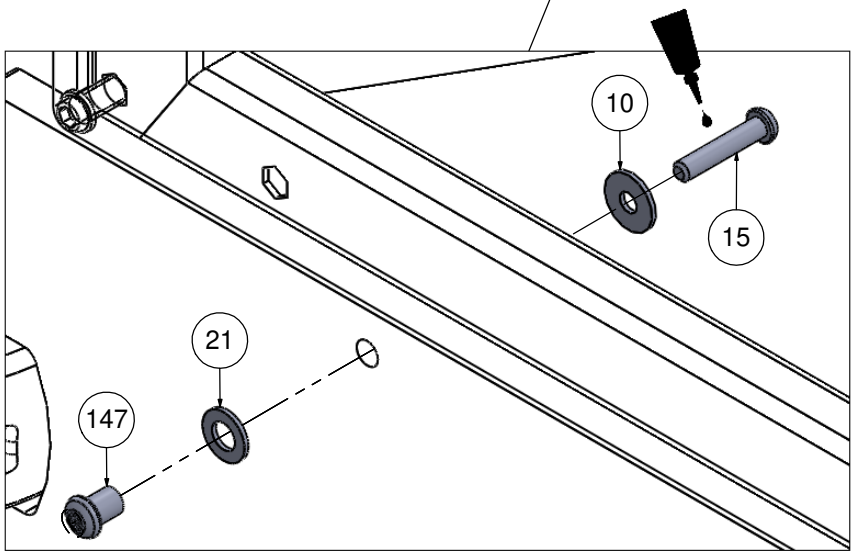
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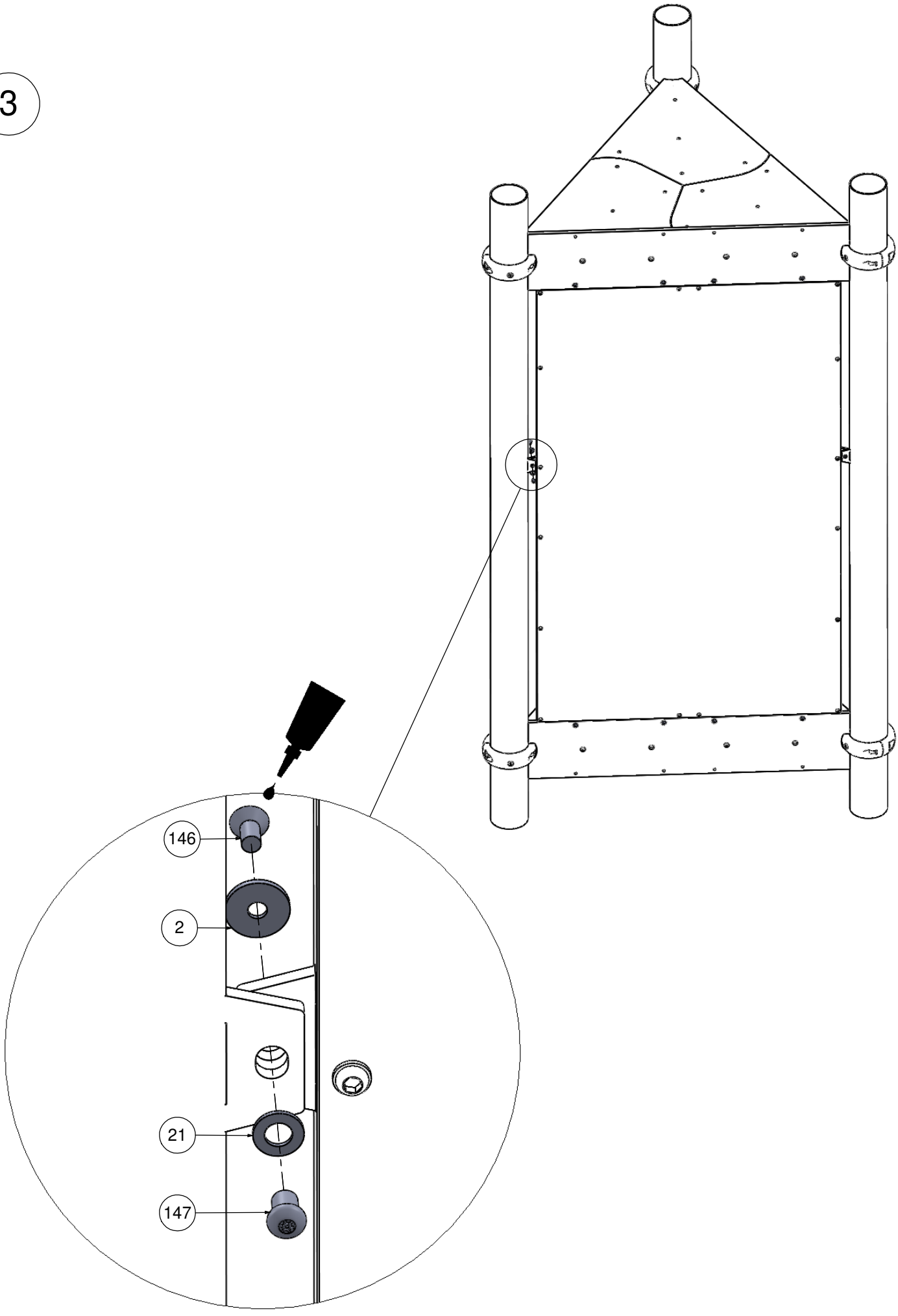


2





3



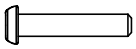
INST_12_93B+S



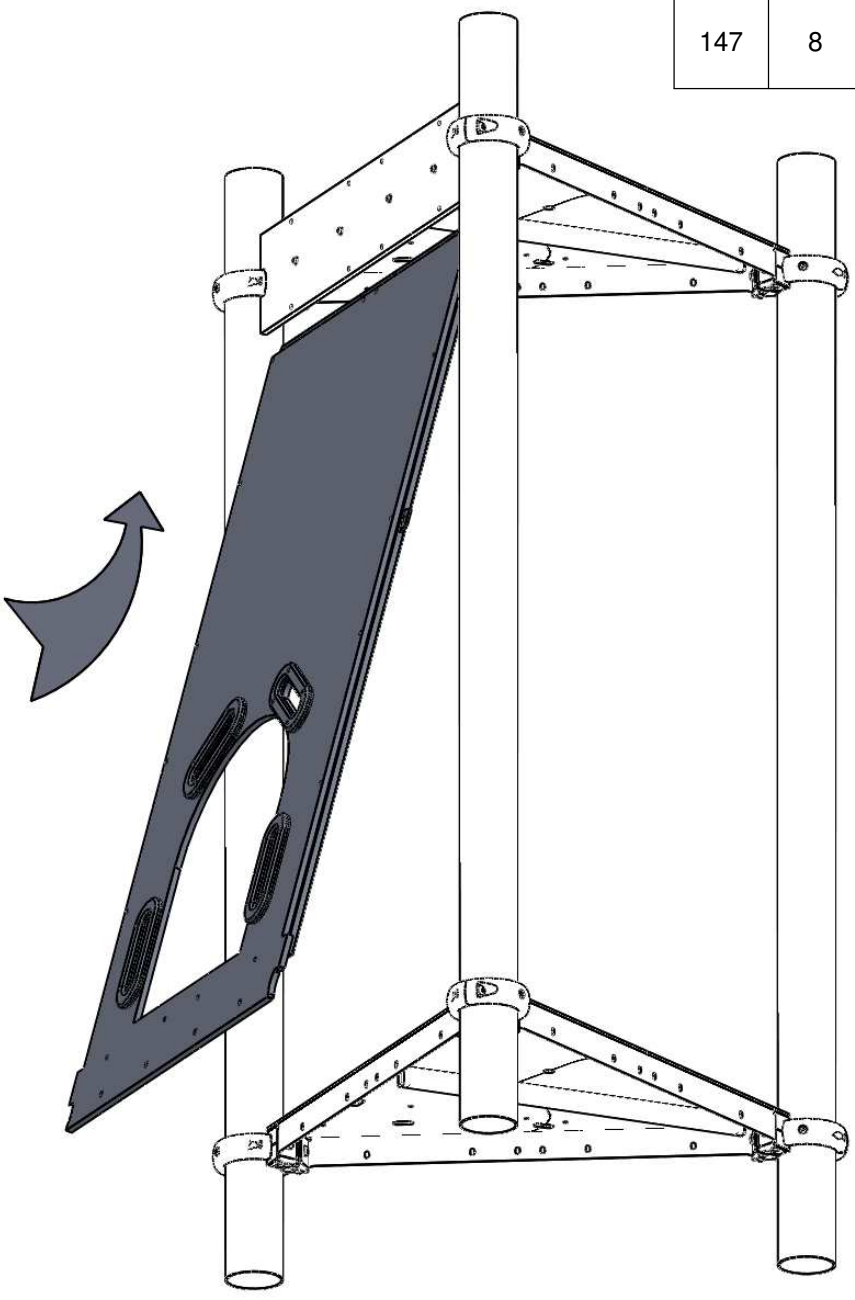
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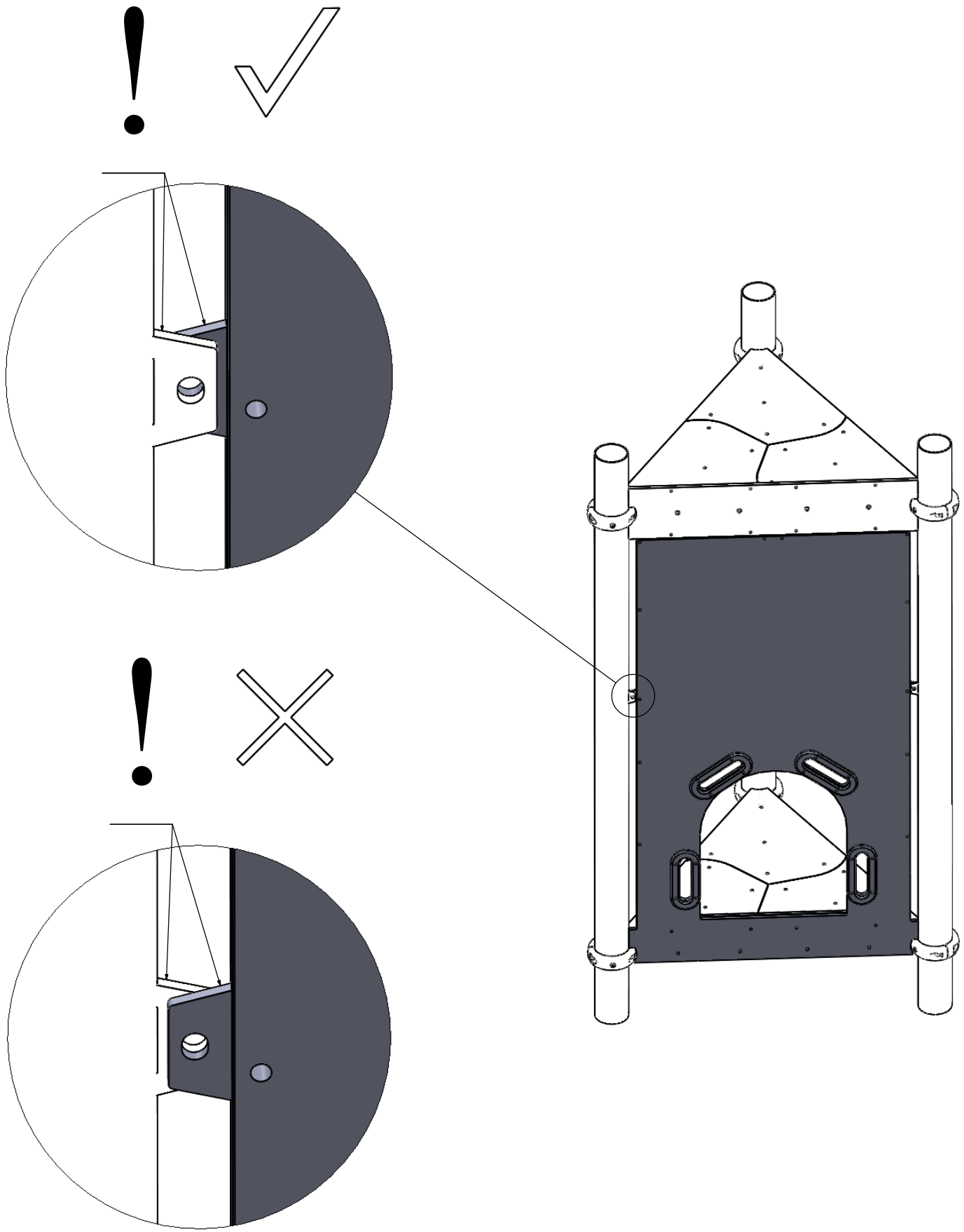


Nr. T30

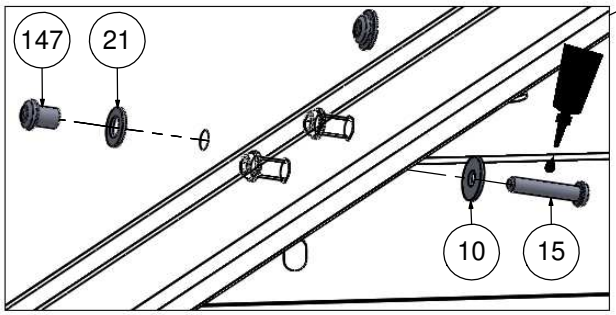
Nr	Σ	Element	DIN	ELEMENT
2	4		-	W6x60
10	4		DIN 9021	6x18
15	4		ISO 7380	M6x30
21	8		DIN 125	8x16
58	1		-	LOCTITE
139	2		DIN 7991	M6x16
146	2		DIN 7991	M6x12
147	8		-	M6x10

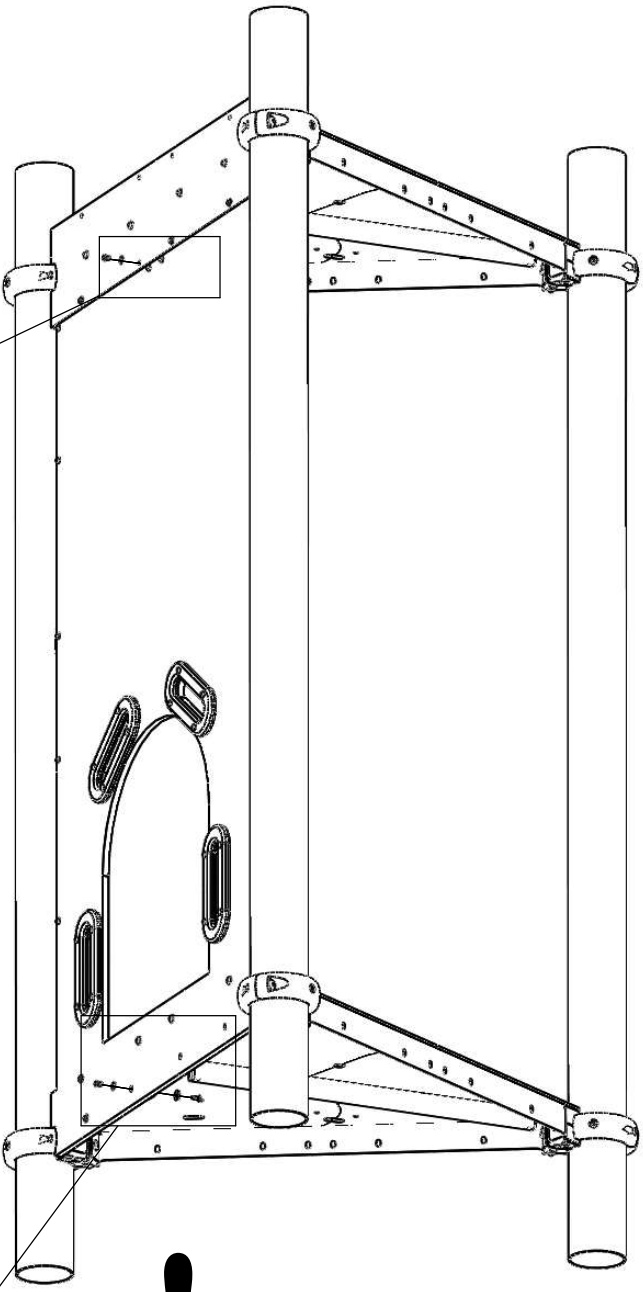
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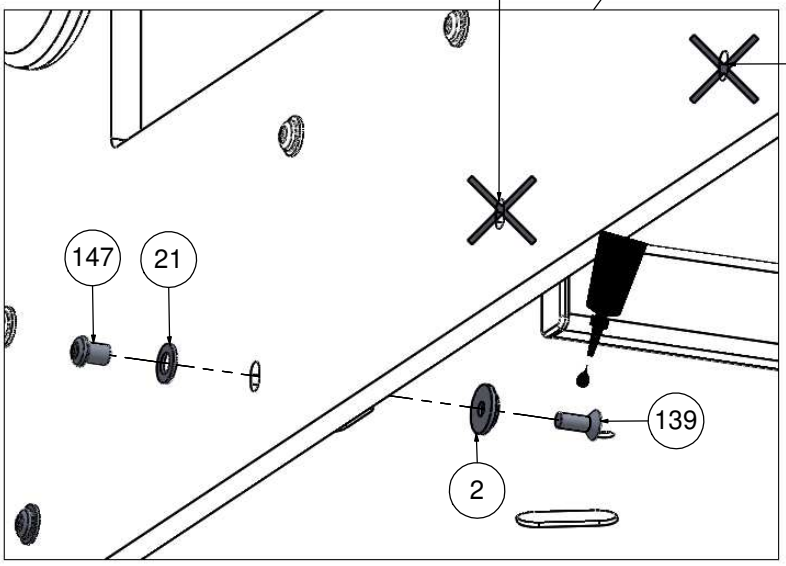




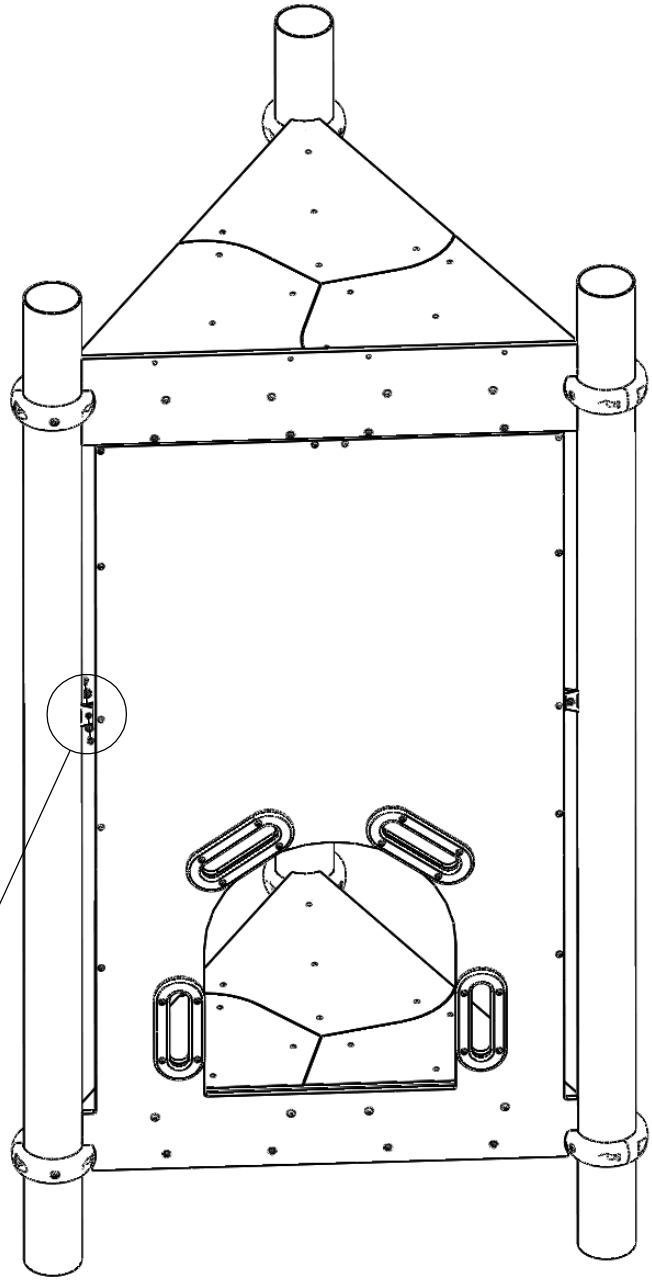
2

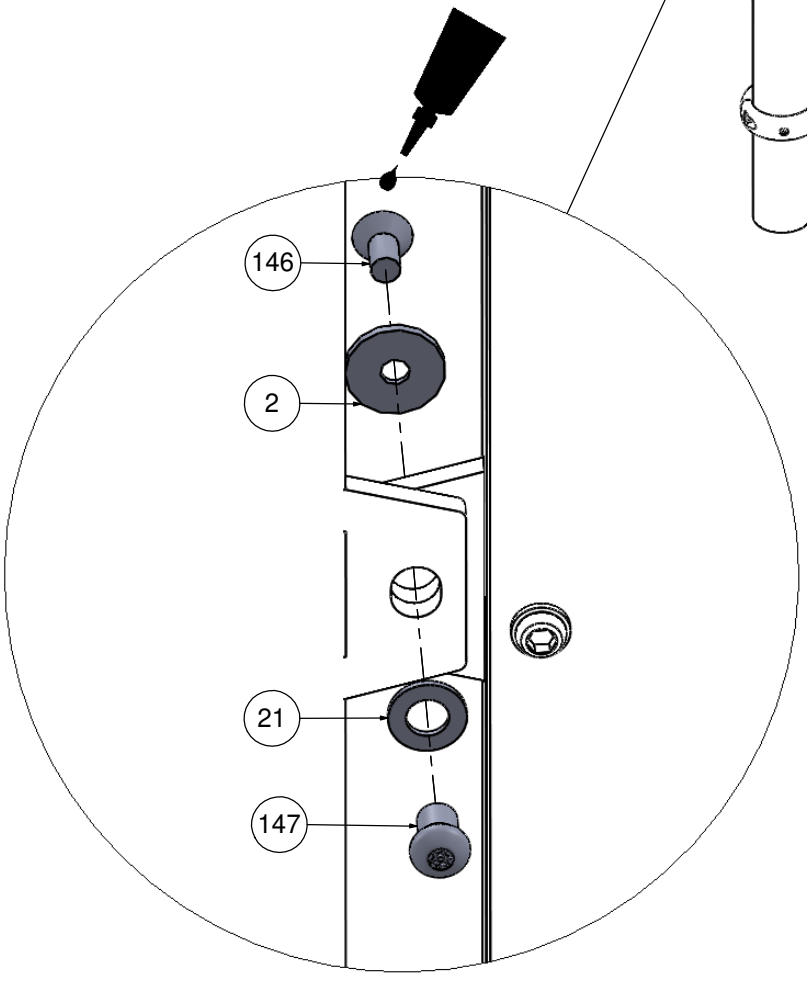






3





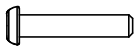
INST_12_93B



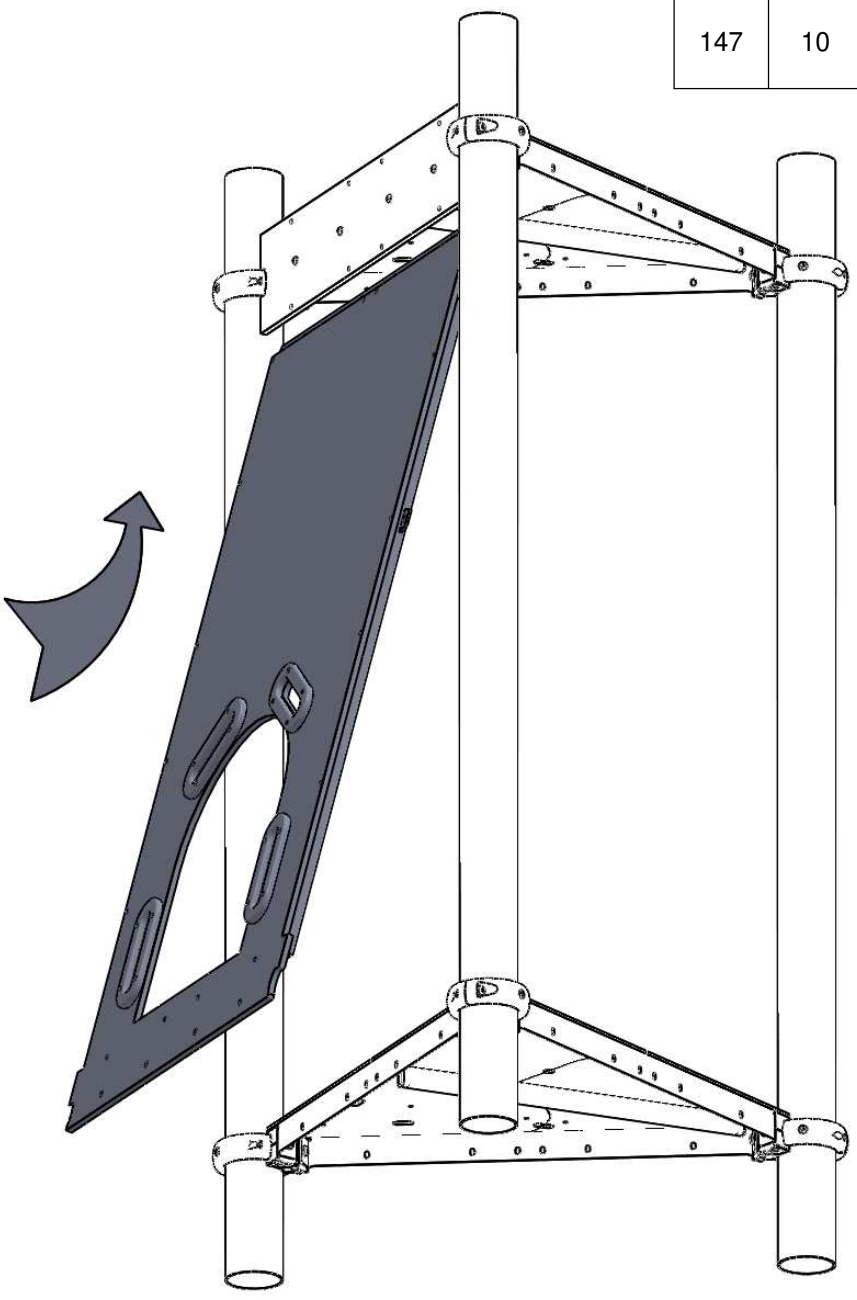
Nr. 4

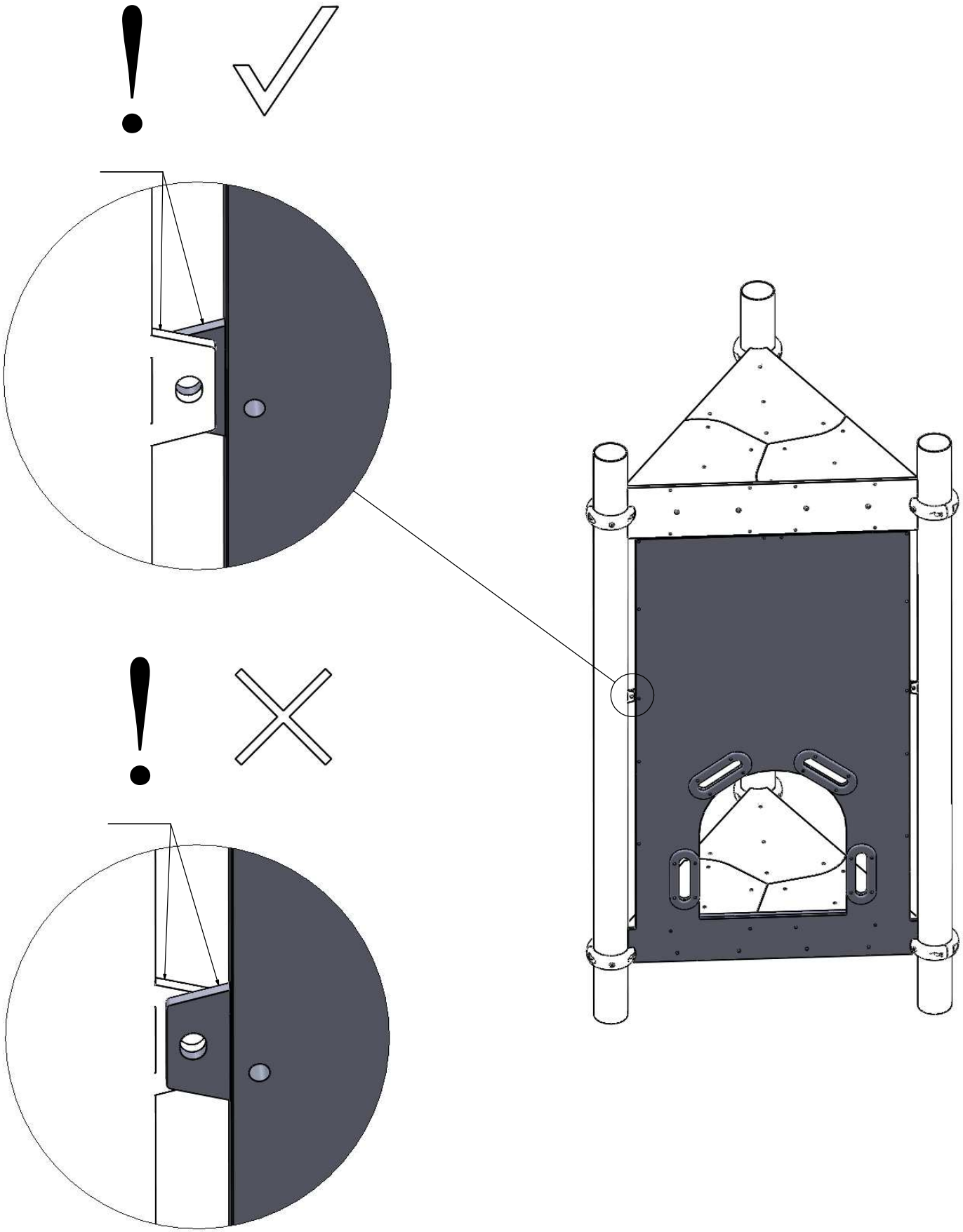


Nr. T30

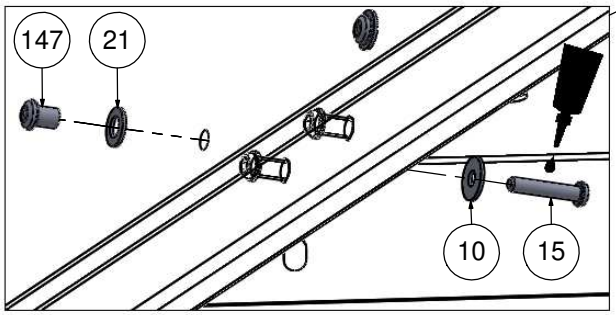
Nr	Σ	Element	DIN	ELEMENT
2	6		-	W6x60
10	4		DIN 9021	6x18
15	4		ISO 7380	M6x30
21	10		DIN 125	8x16
58	1		-	LOCTITE
139	4		DIN 7991	M6x16
146	2		DIN 7991	M6x12
147	10		-	M6x10

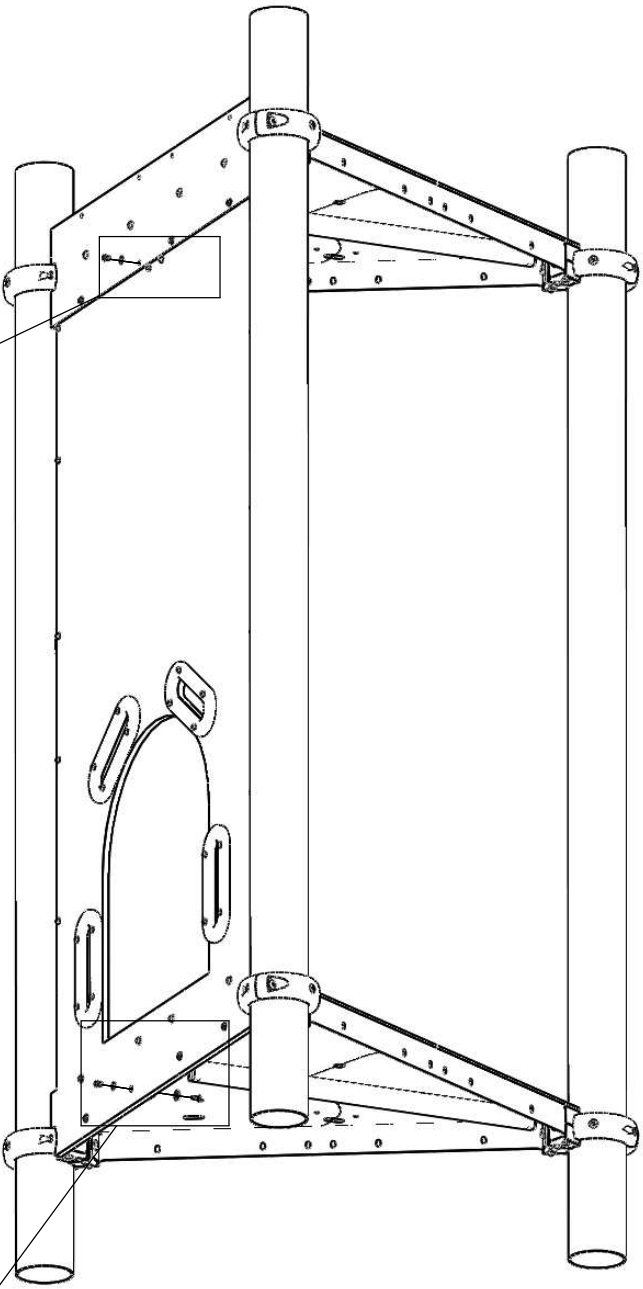
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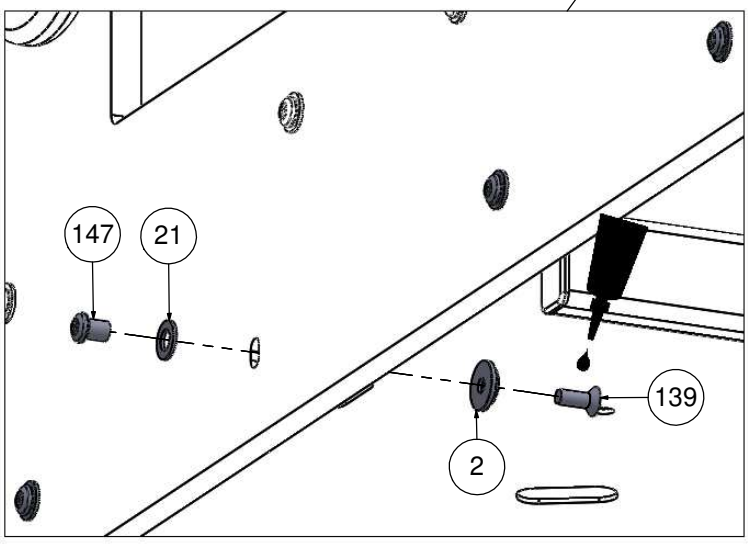




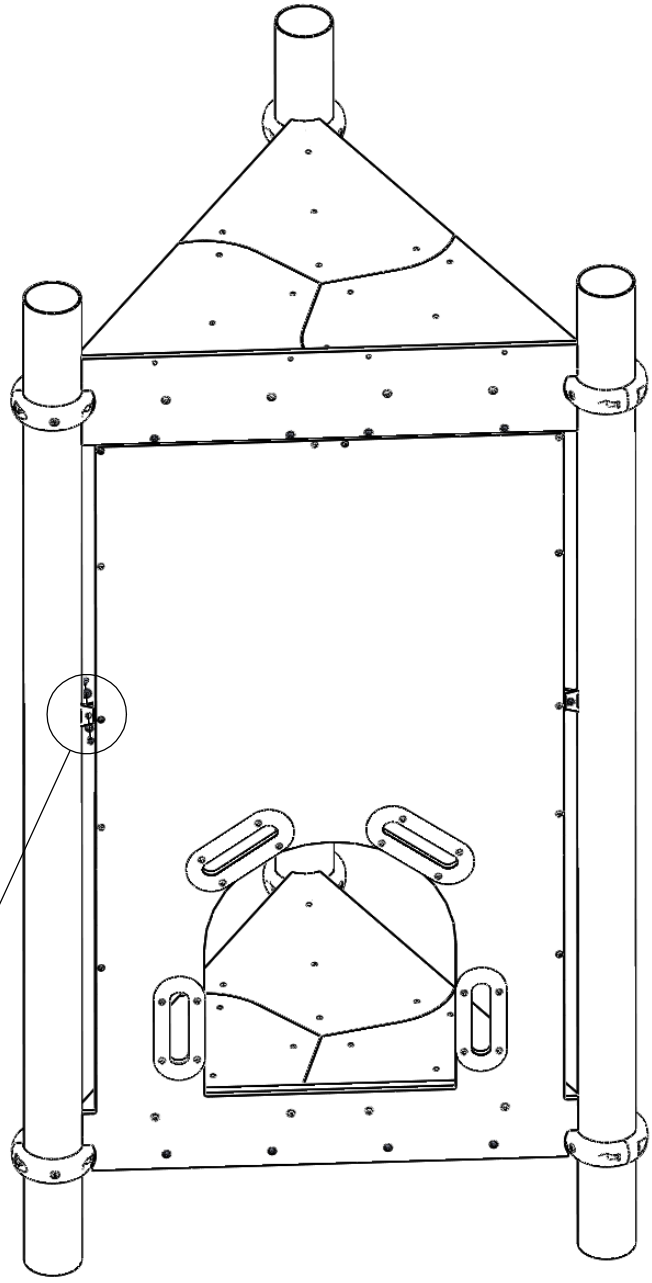
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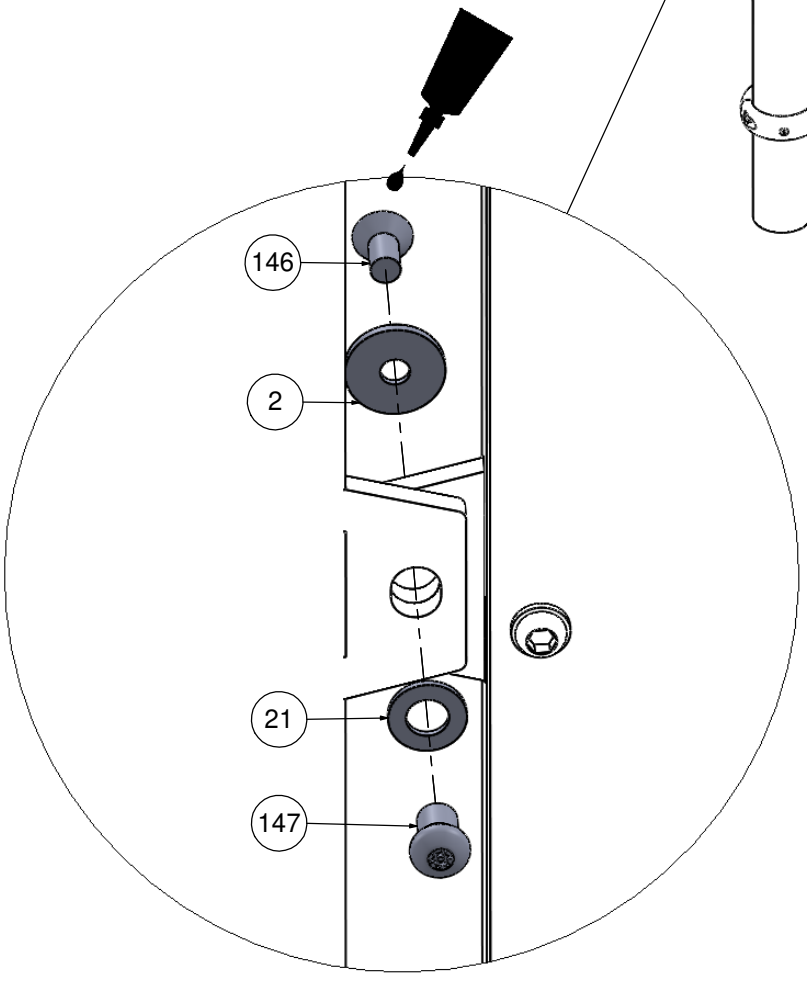




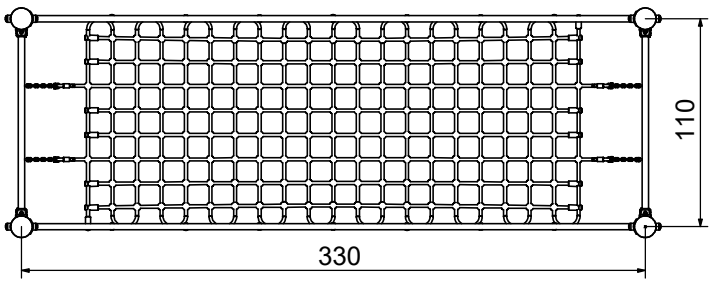


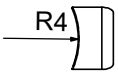
3





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Nr	Σ	Element		
4	16		DIN 125	10x20
5	8		DIN 985	M10
58	1		-	LOCTITE
77	16		-	K3_d30_A89_G
78	16		-	Z3_d30_G
276	8		DIN 931	M10x145

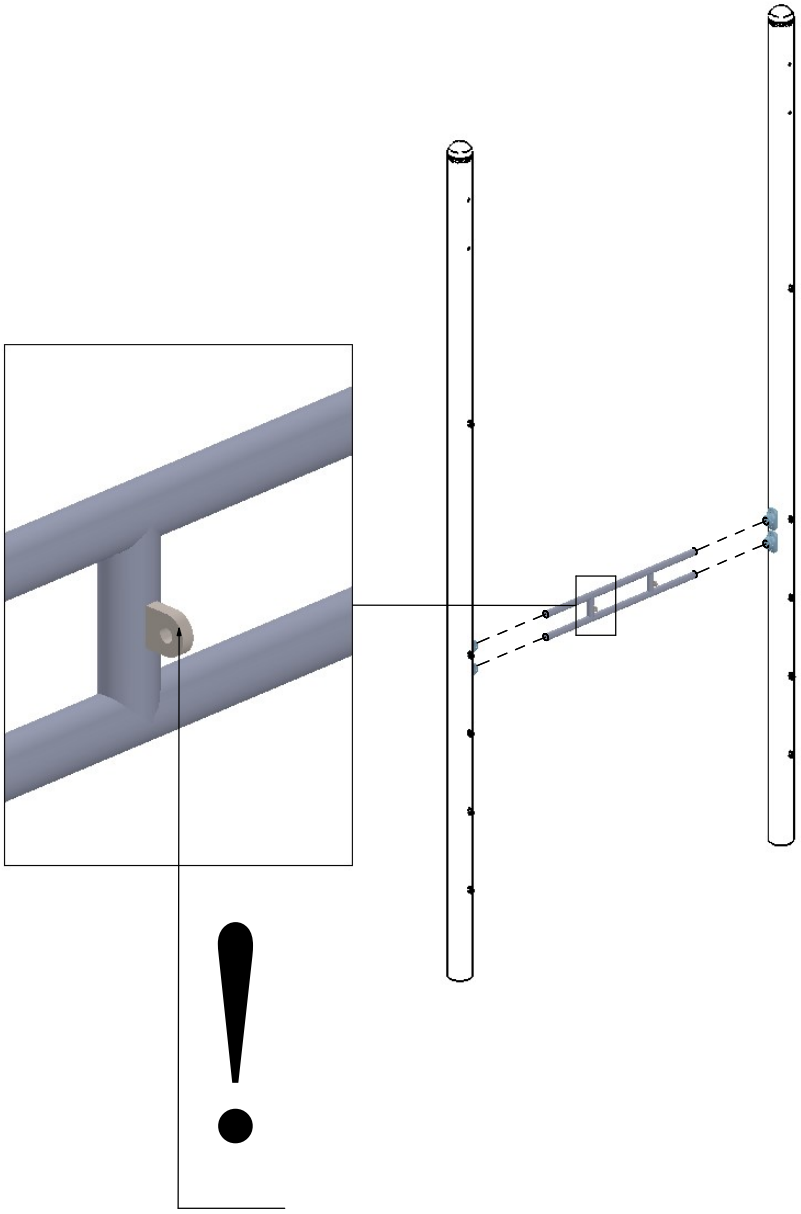


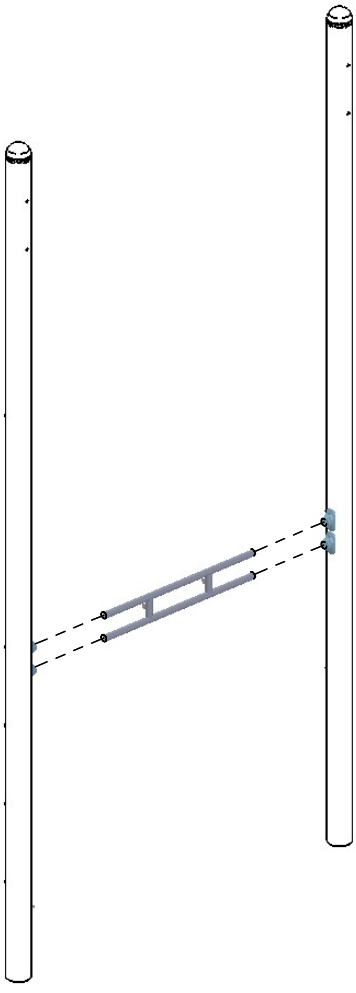
Nr. 5



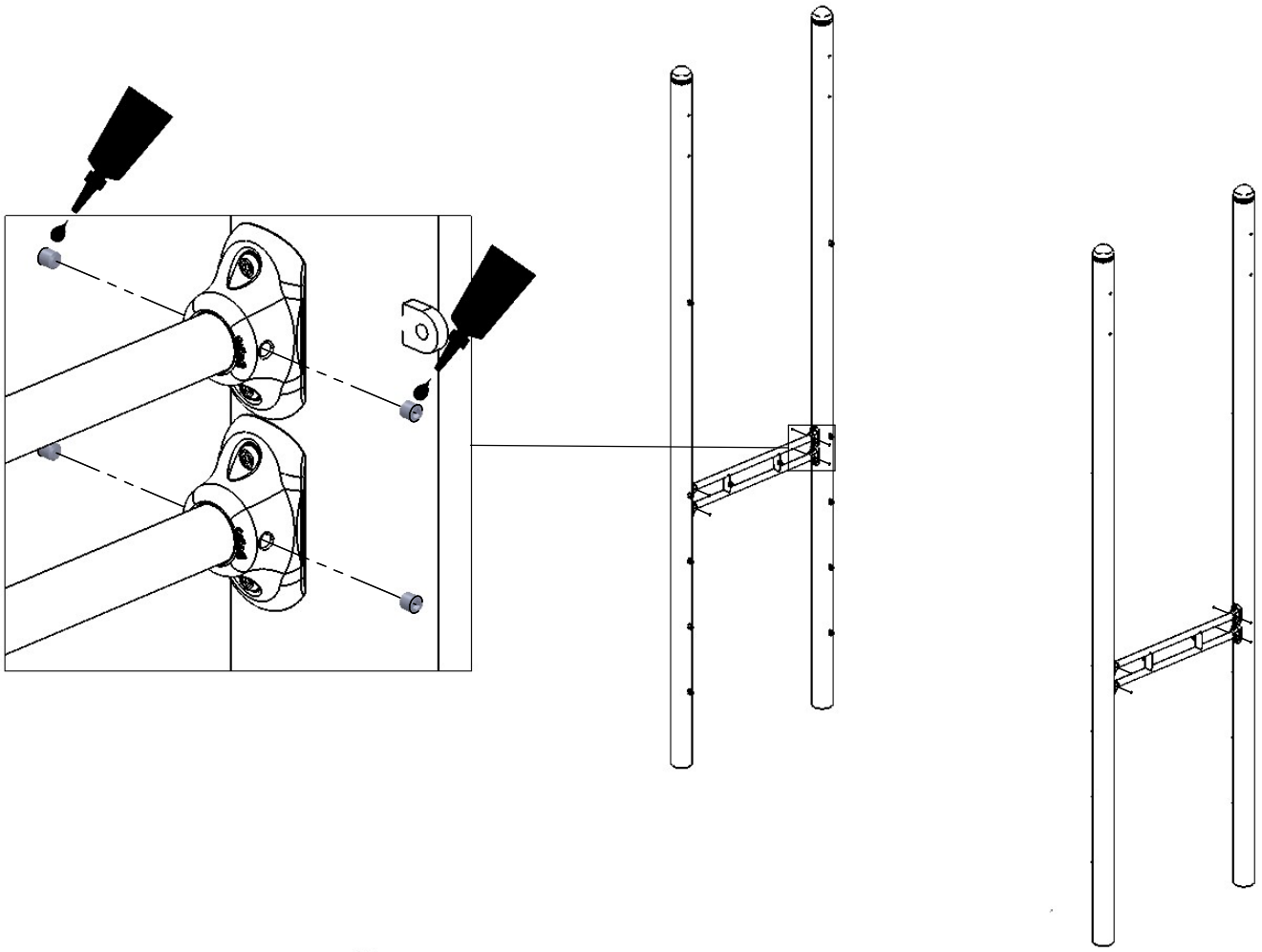
Nr. 17

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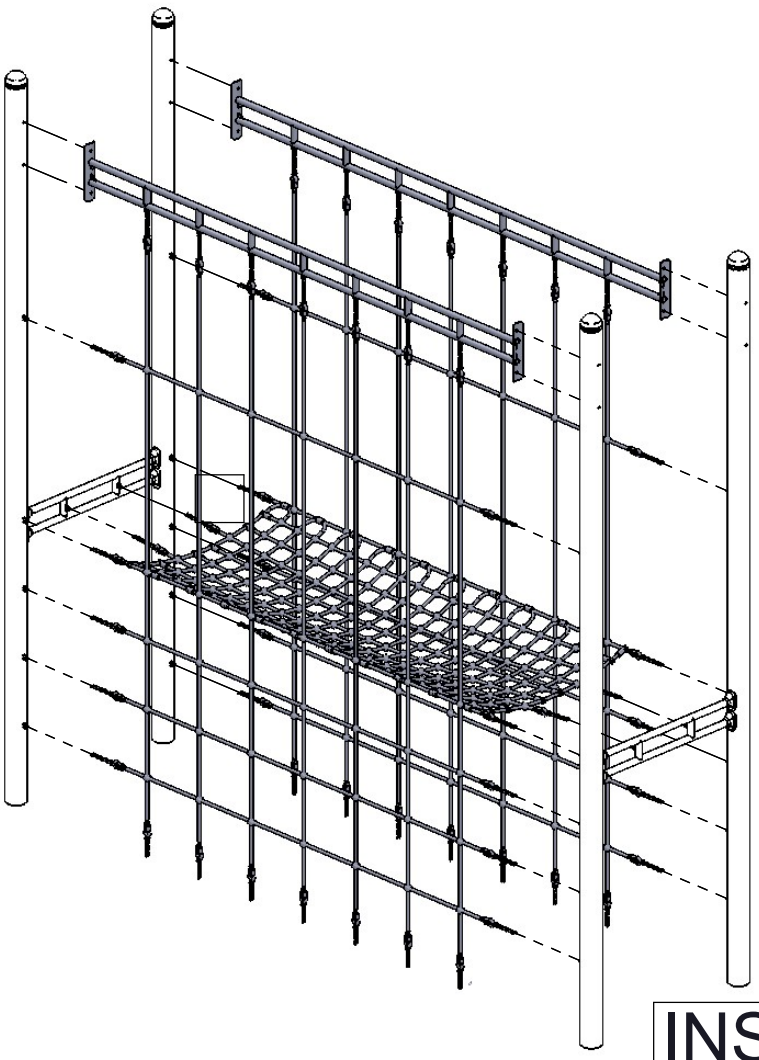




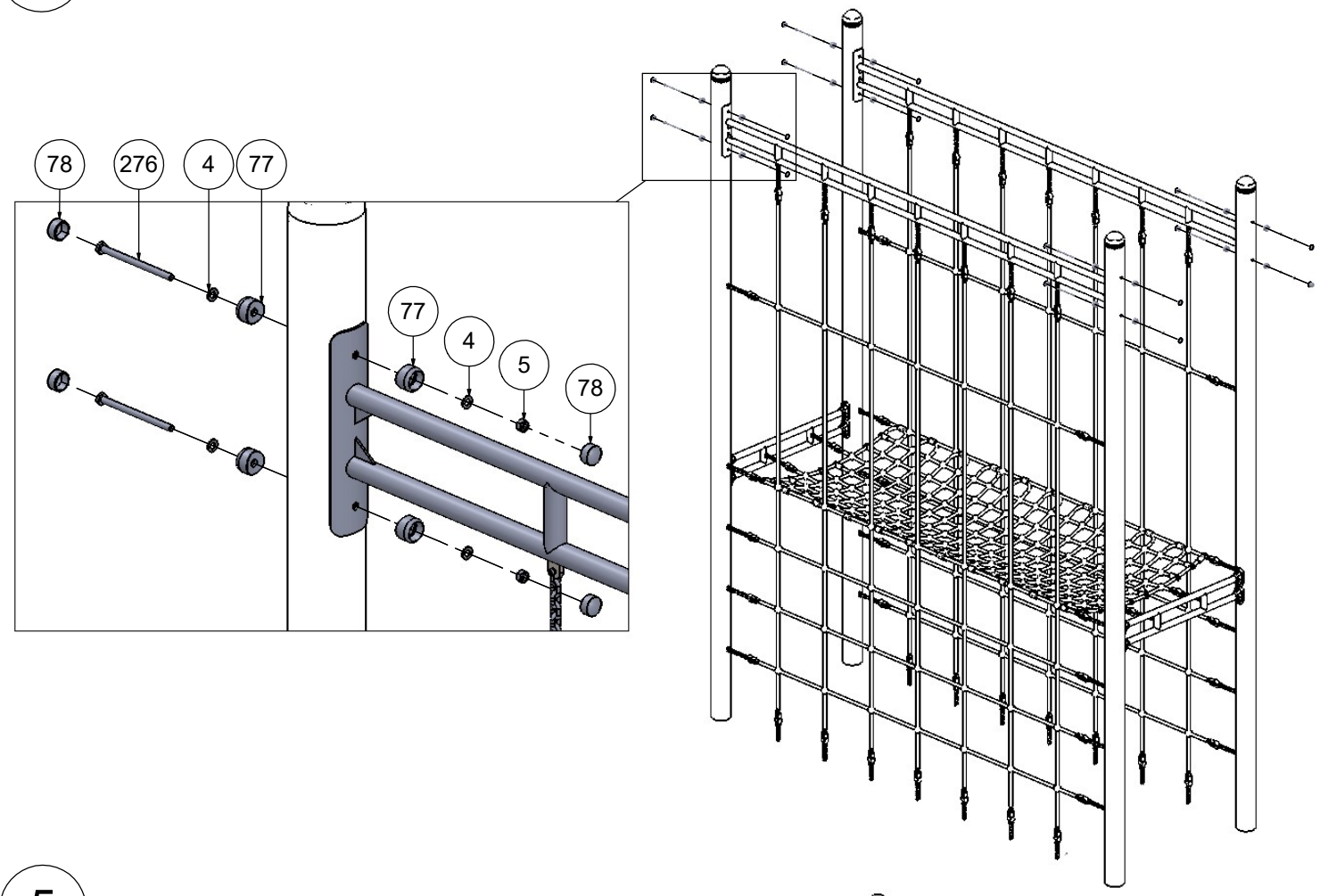
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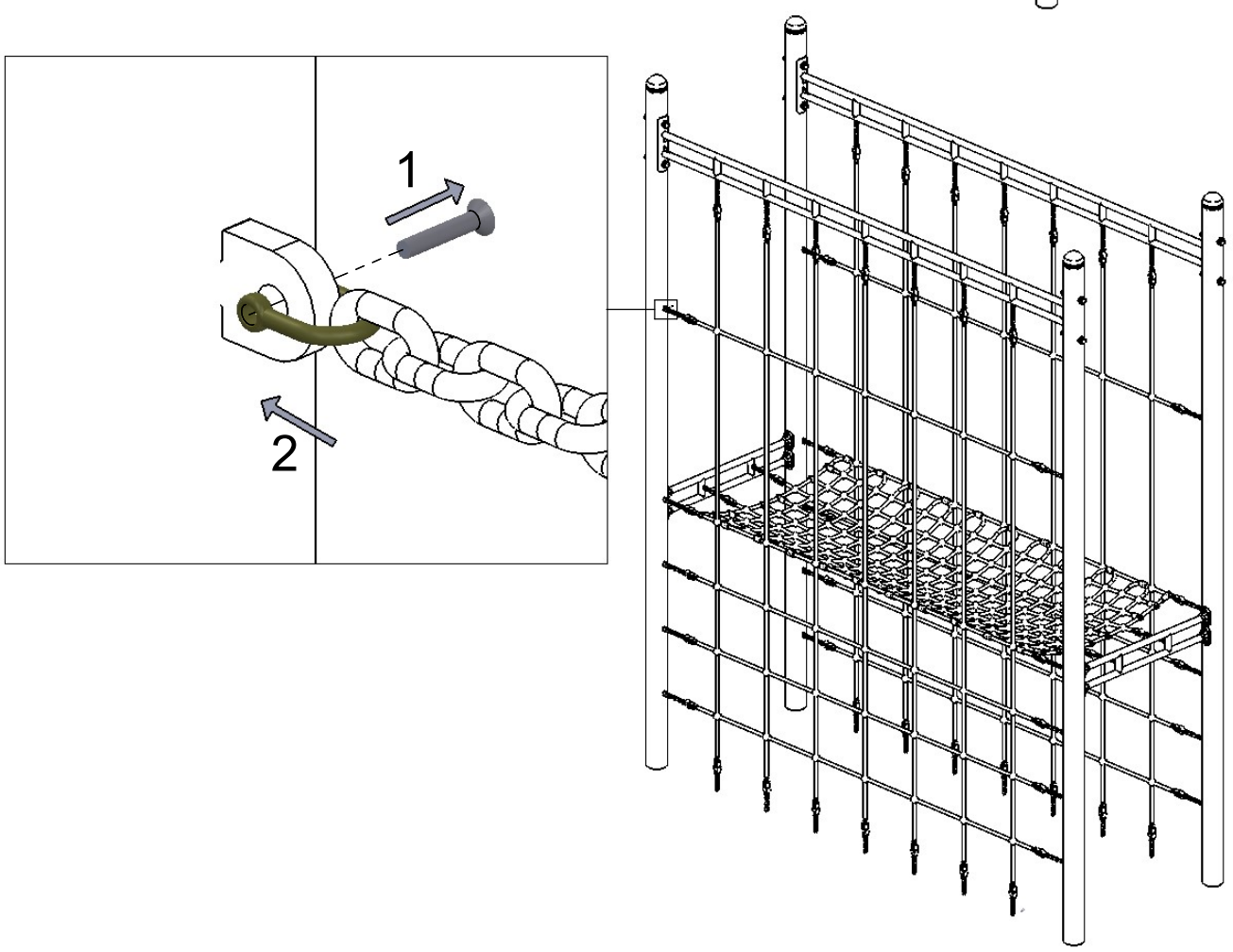
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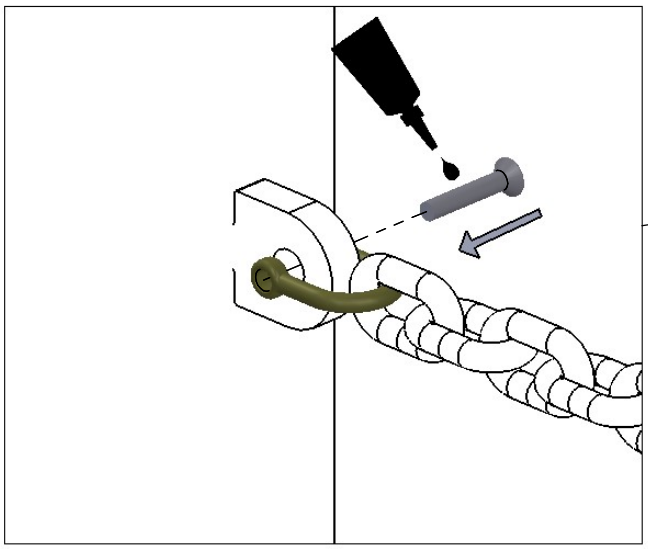
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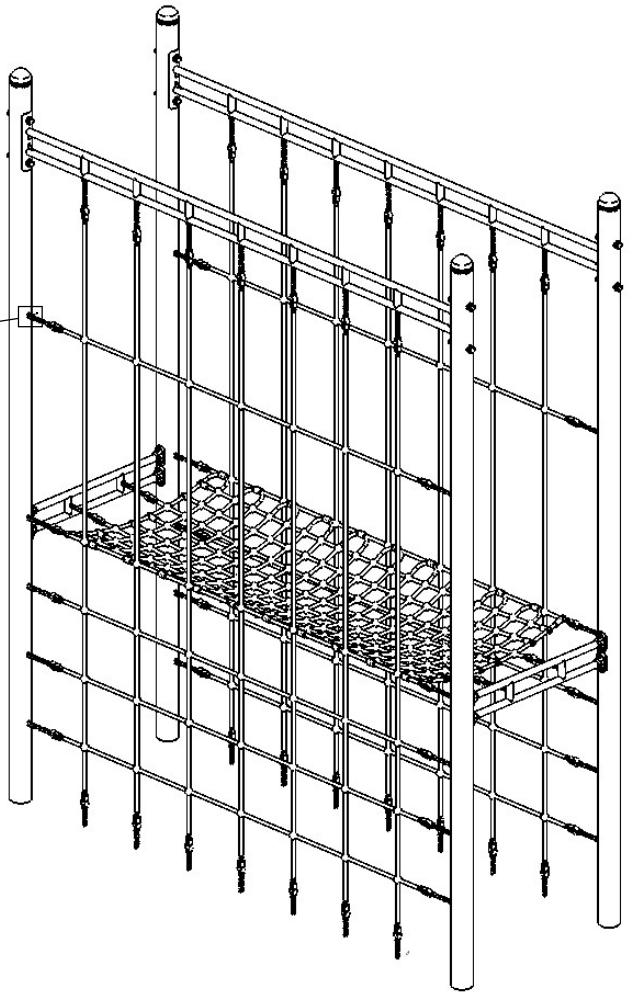


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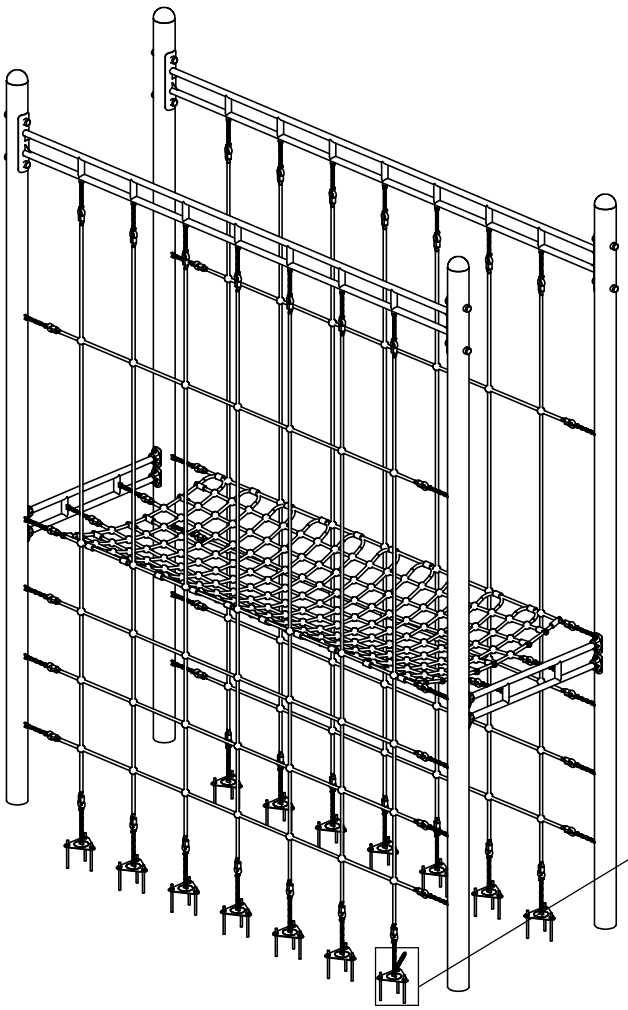
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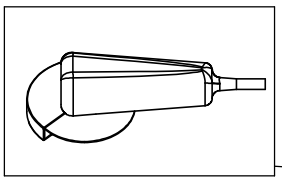


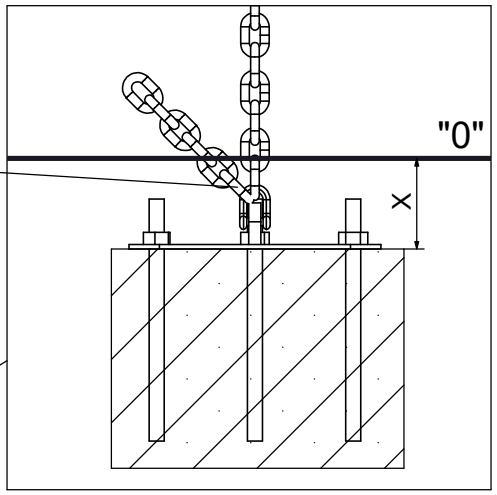


7

Nr	Σ	Element		
61	42		-	KL105







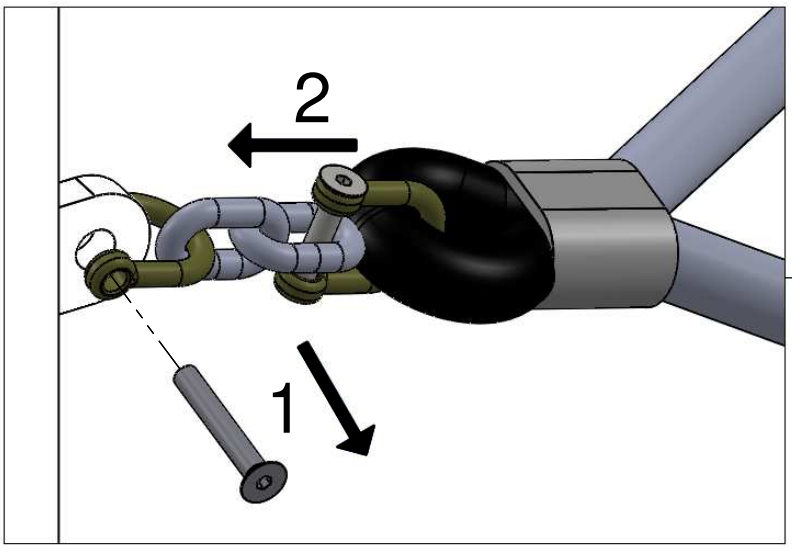
INST_12_97

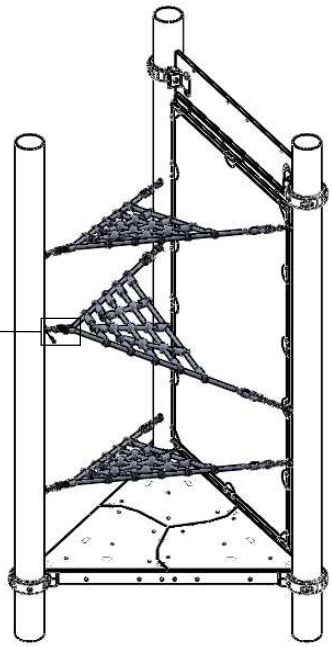
Nr	Σ	Element		
58	1		-	LOCTITE



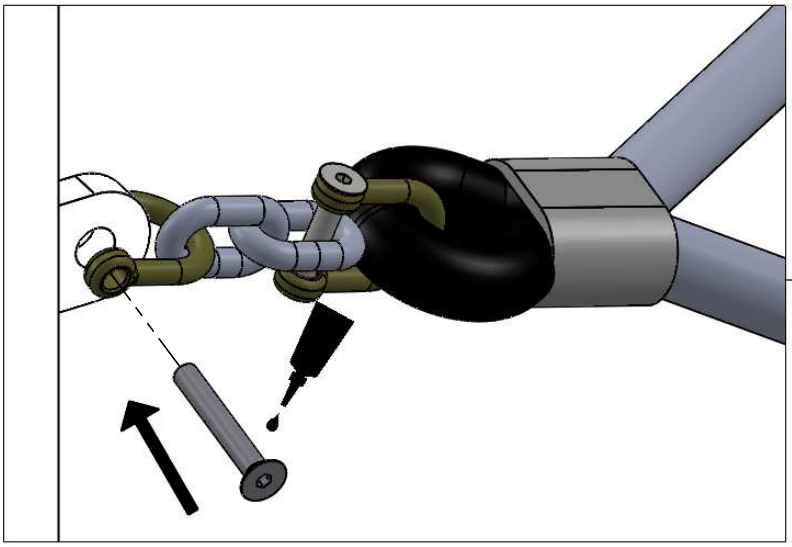
Nr. 4

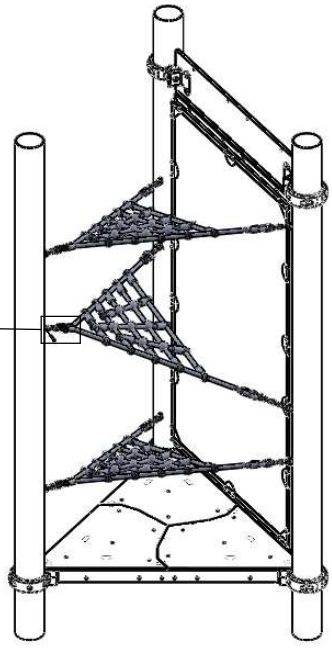
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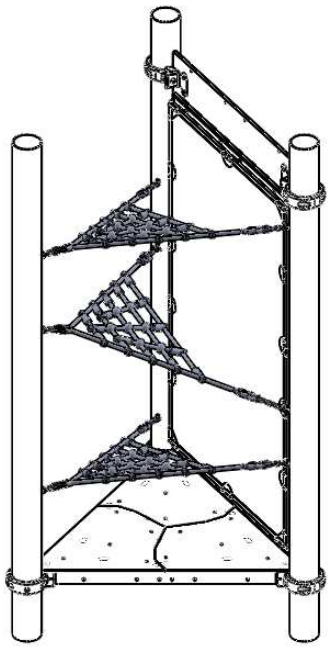


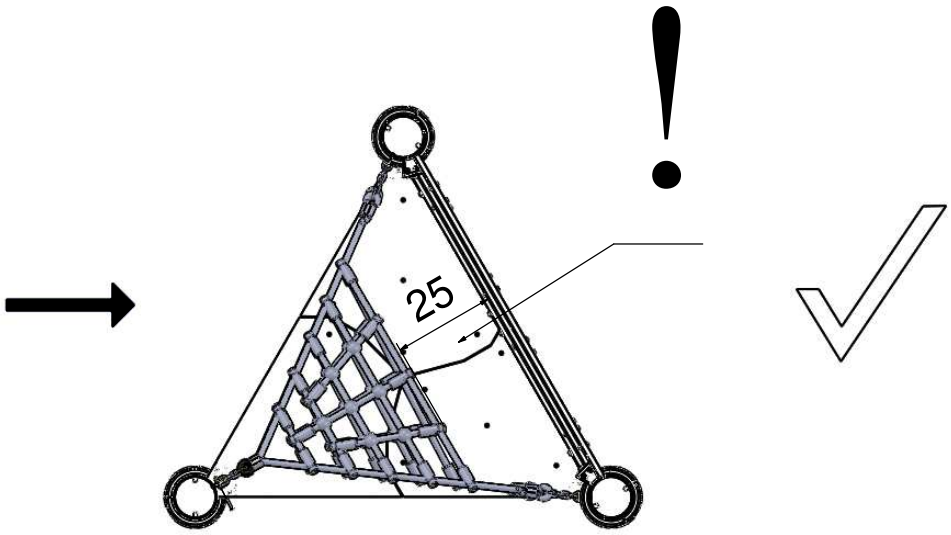
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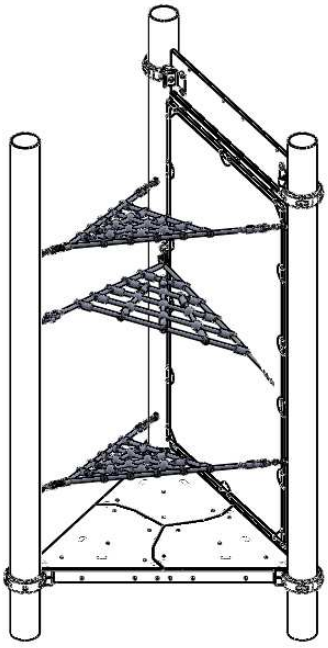


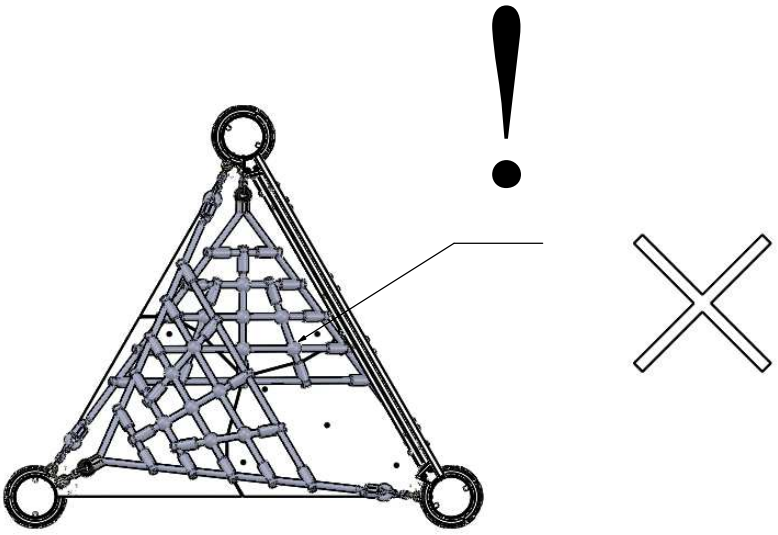


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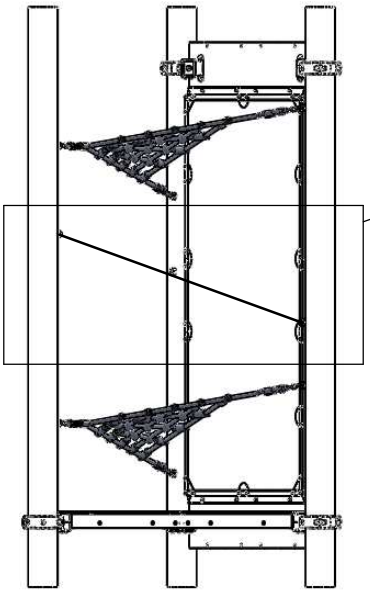


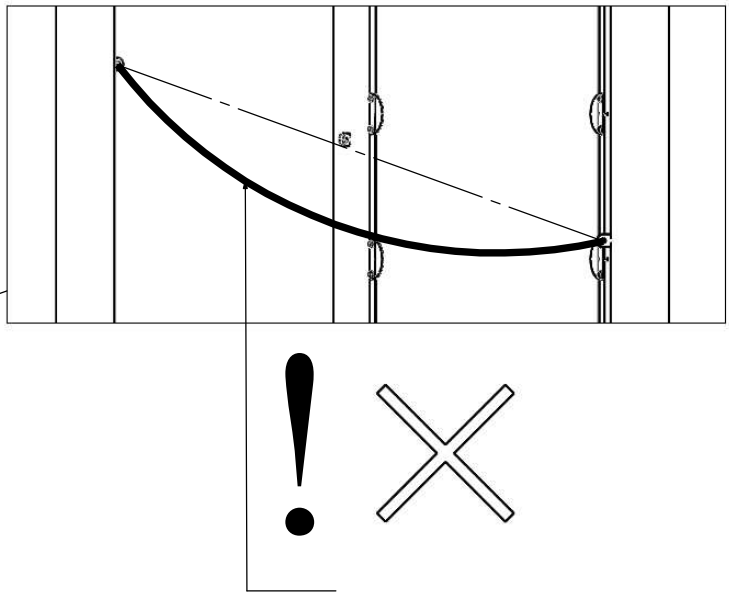


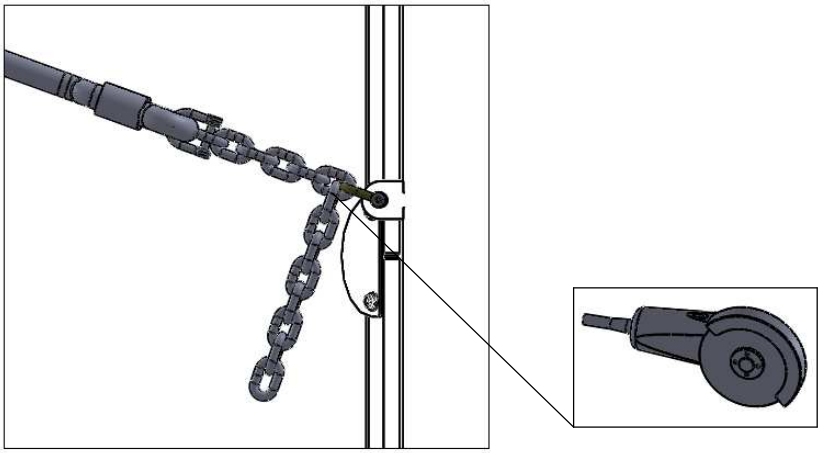


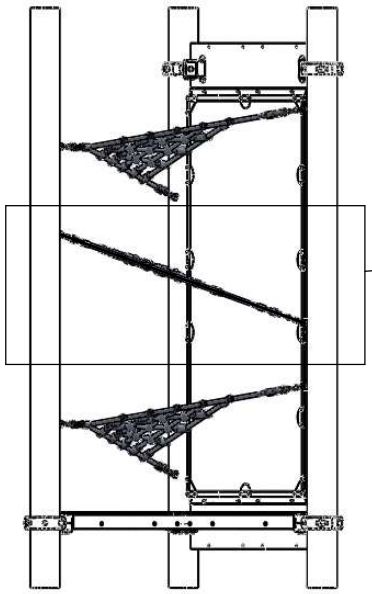


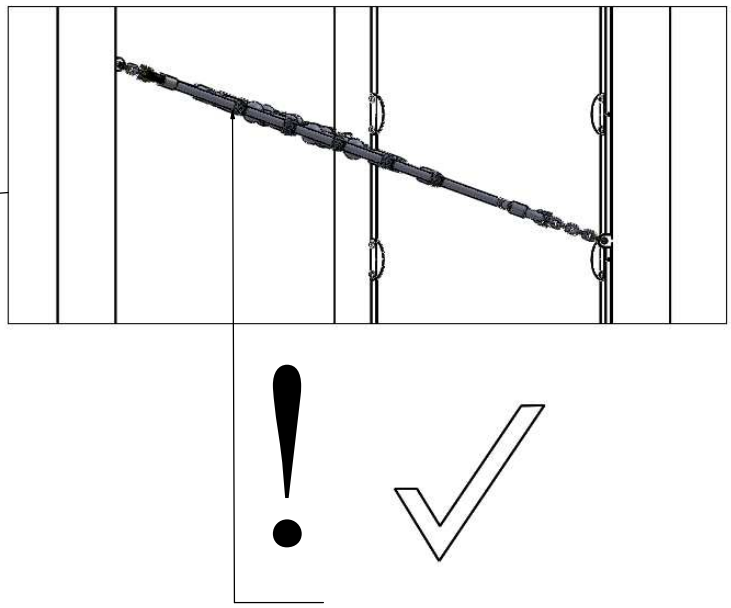
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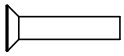
INST_12_97 3/3

INST_12_98

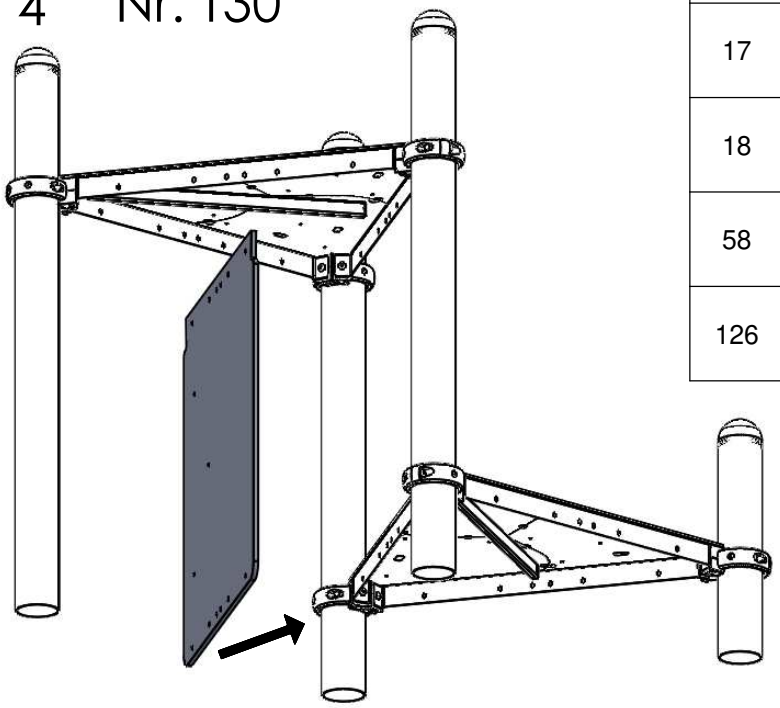




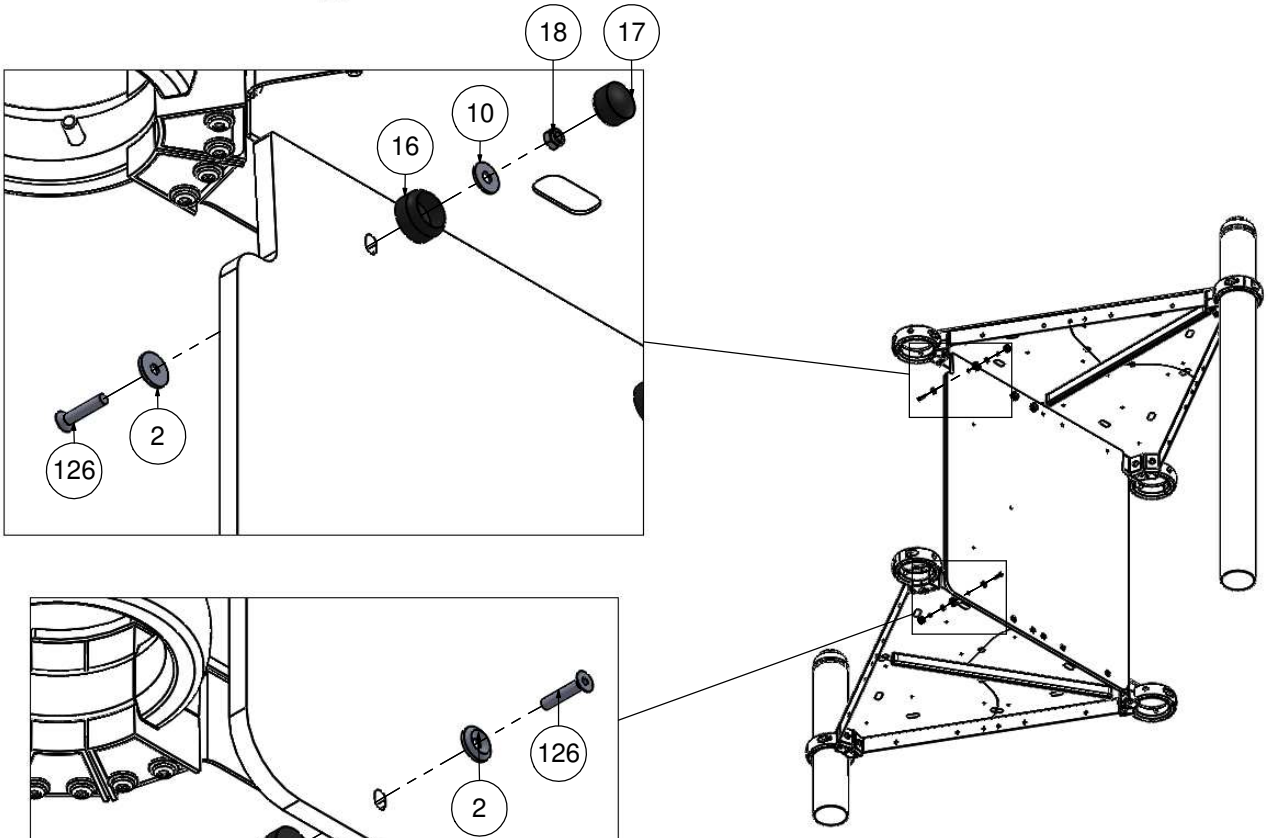
Nr. 4 Nr. T30

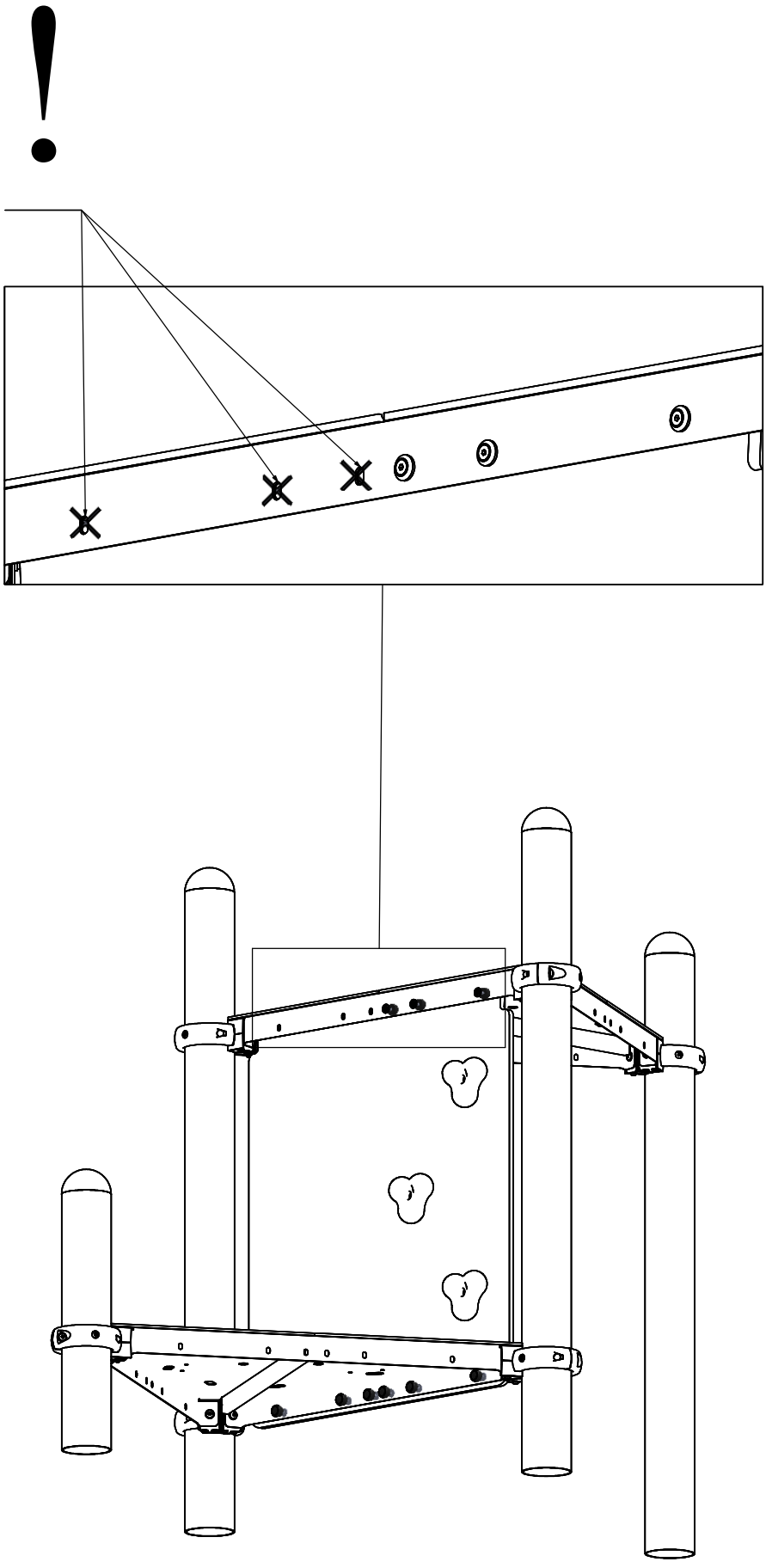
Nr	Σ	Element		
2	9		-	W6x60
10	9		DIN 9021	6x18
16	9		-	K1_d21_B
17	9		-	Z1_d21_B
18	9		DIN 985	M6 (OC)
58	1		-	LOCTITE
126	9		DIN 7991	M6x30

1



2





INST_12_99



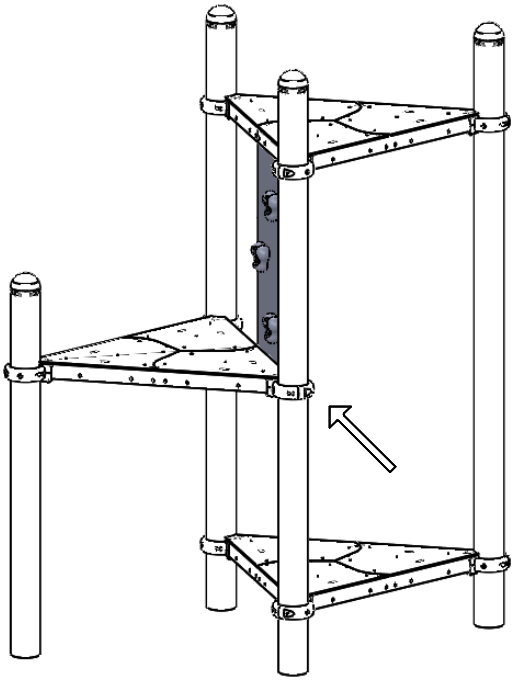
Nr. 4



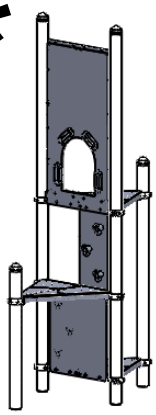
Nr. T30

Nr	Σ	Element		
2	6		-	W6x60
10	6		DIN 9021	6x18
16	6	⌀2,1	-	K1_d21_B
17	6	⌀2,1	-	Z1_d21_B
18	6		DIN 985	M6 (OC)
58	1		-	LOCTITE
126	6		DIN 7991	M6x30

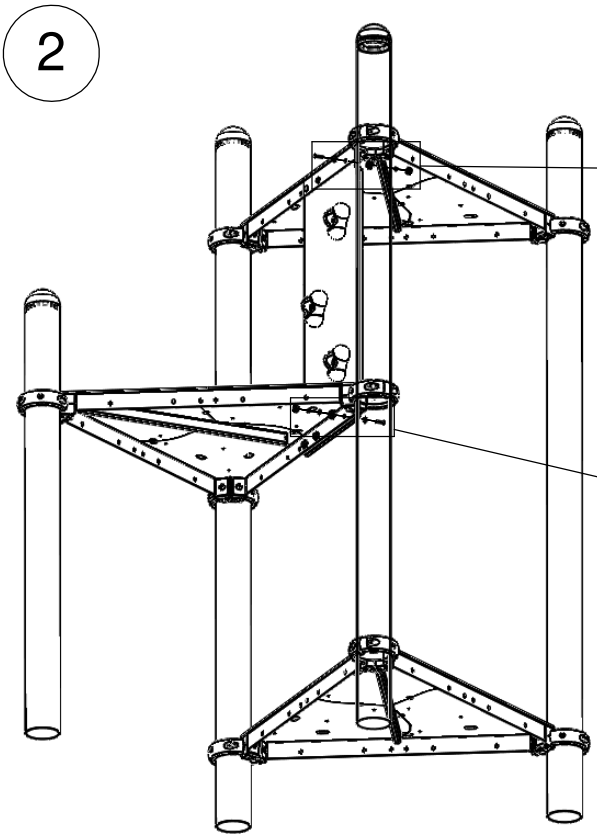
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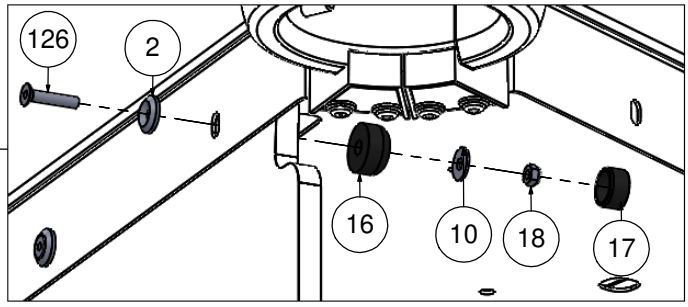


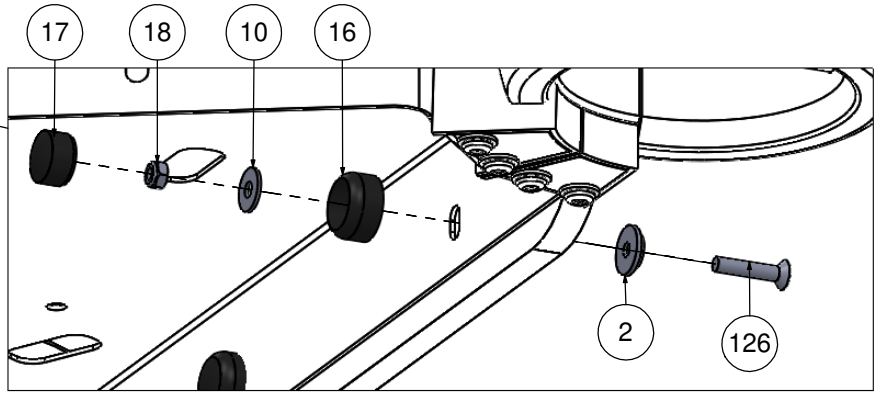
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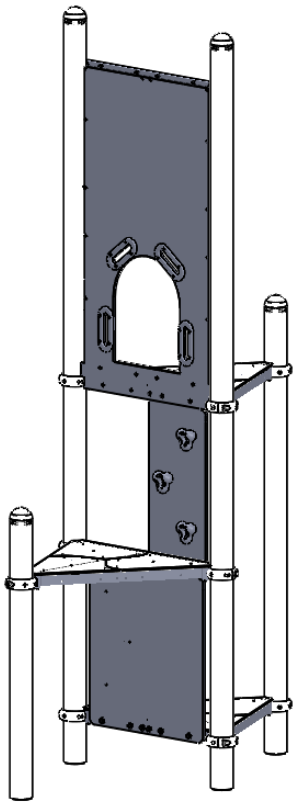
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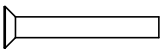


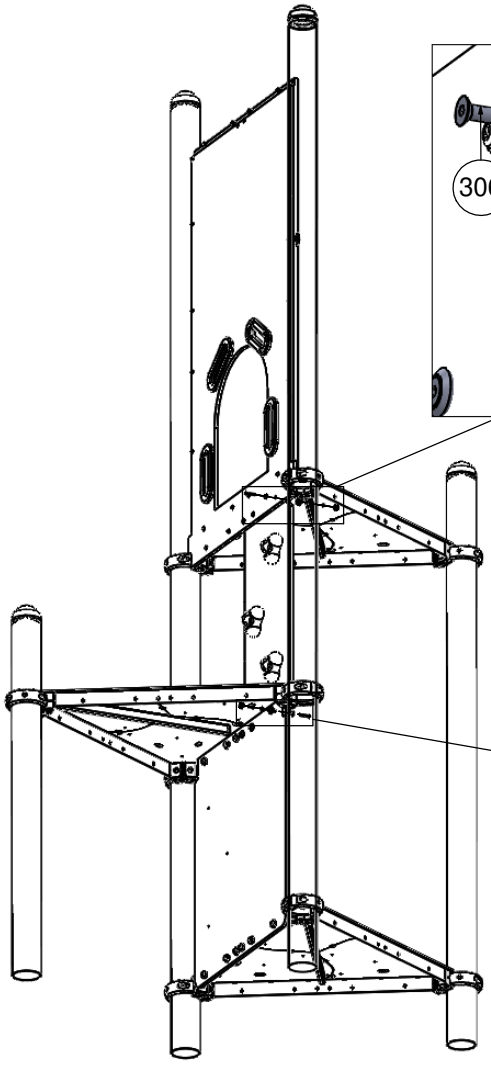


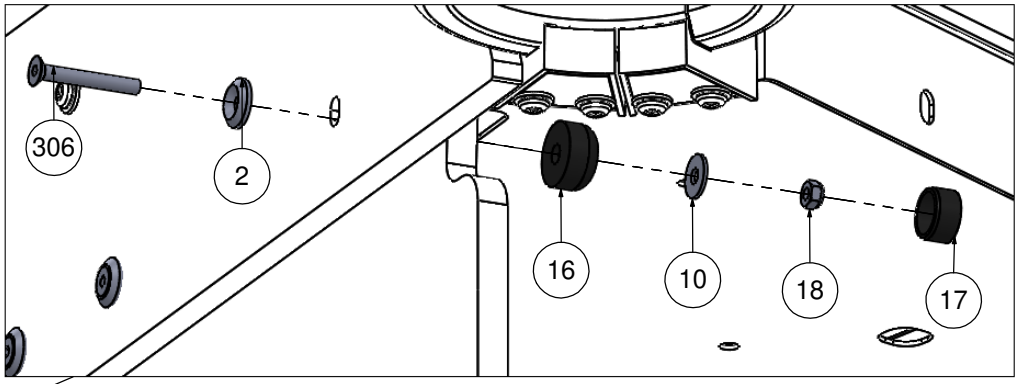


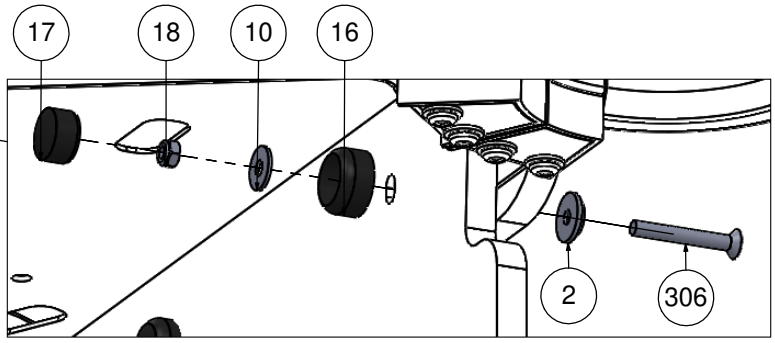
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Nr	Σ	Element		
2	6		-	W6x60
10	6		DIN 9021	6x18
16	6		-	K1_d21_B
17	6		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
58	1		-	LOCTITE
306	6		DIN 7991	M6x45

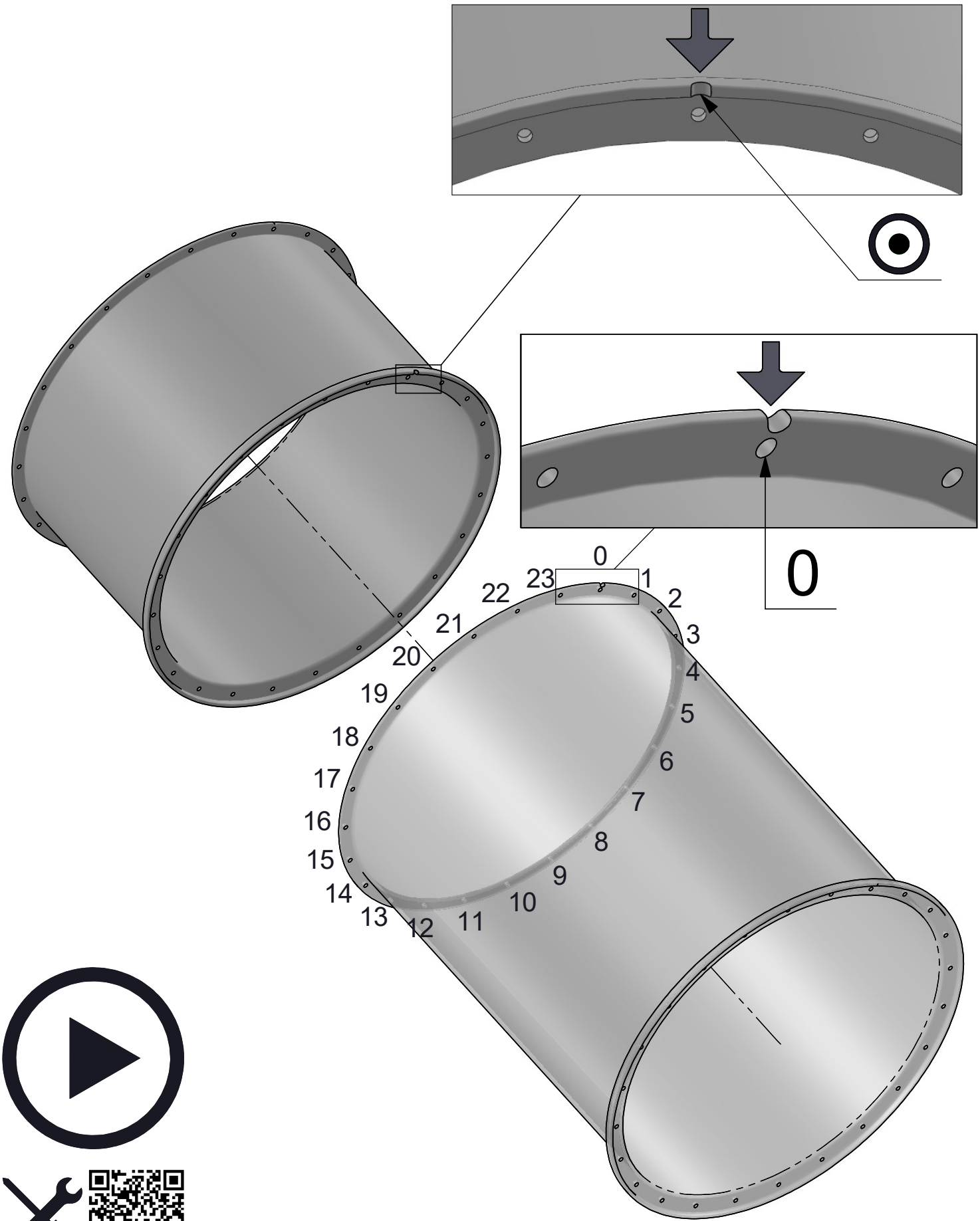






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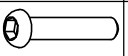
INST_MTS_2

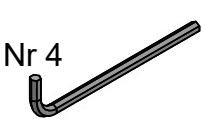


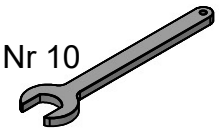
buglo.pl/mts-manual

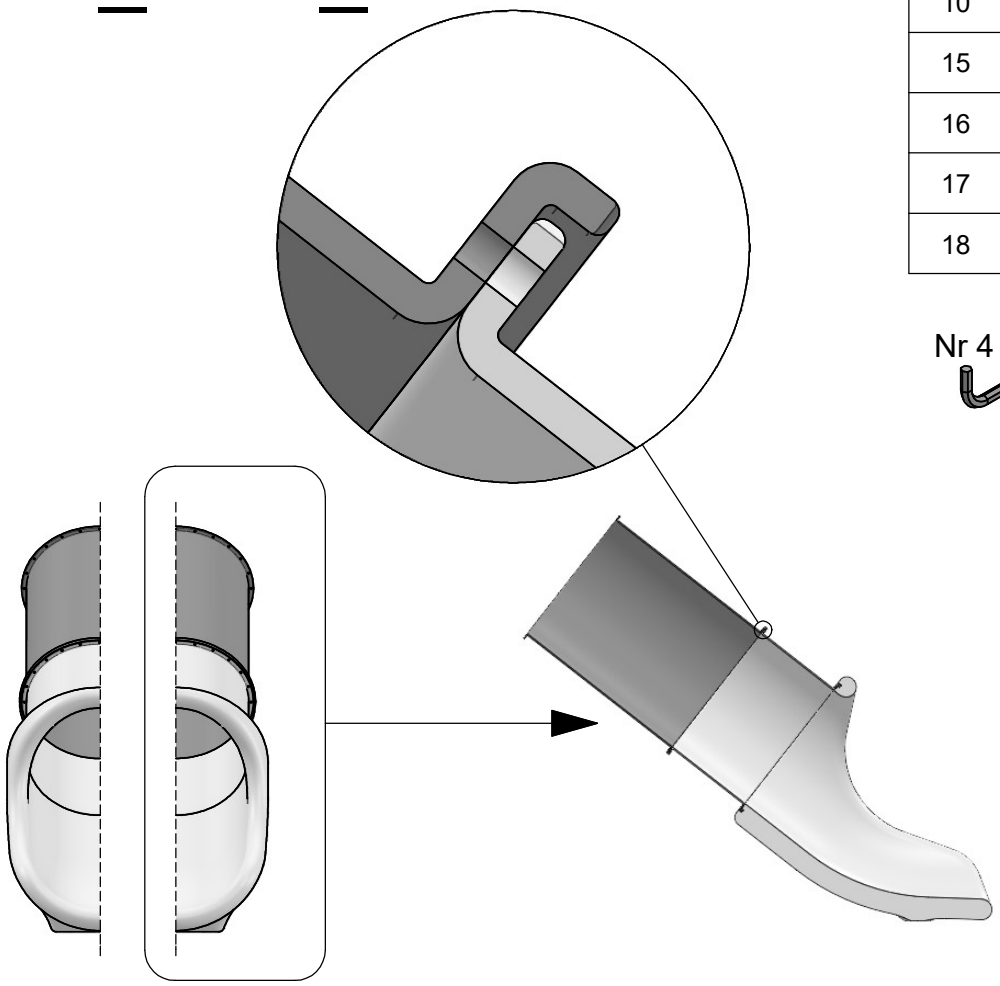
MANUAL

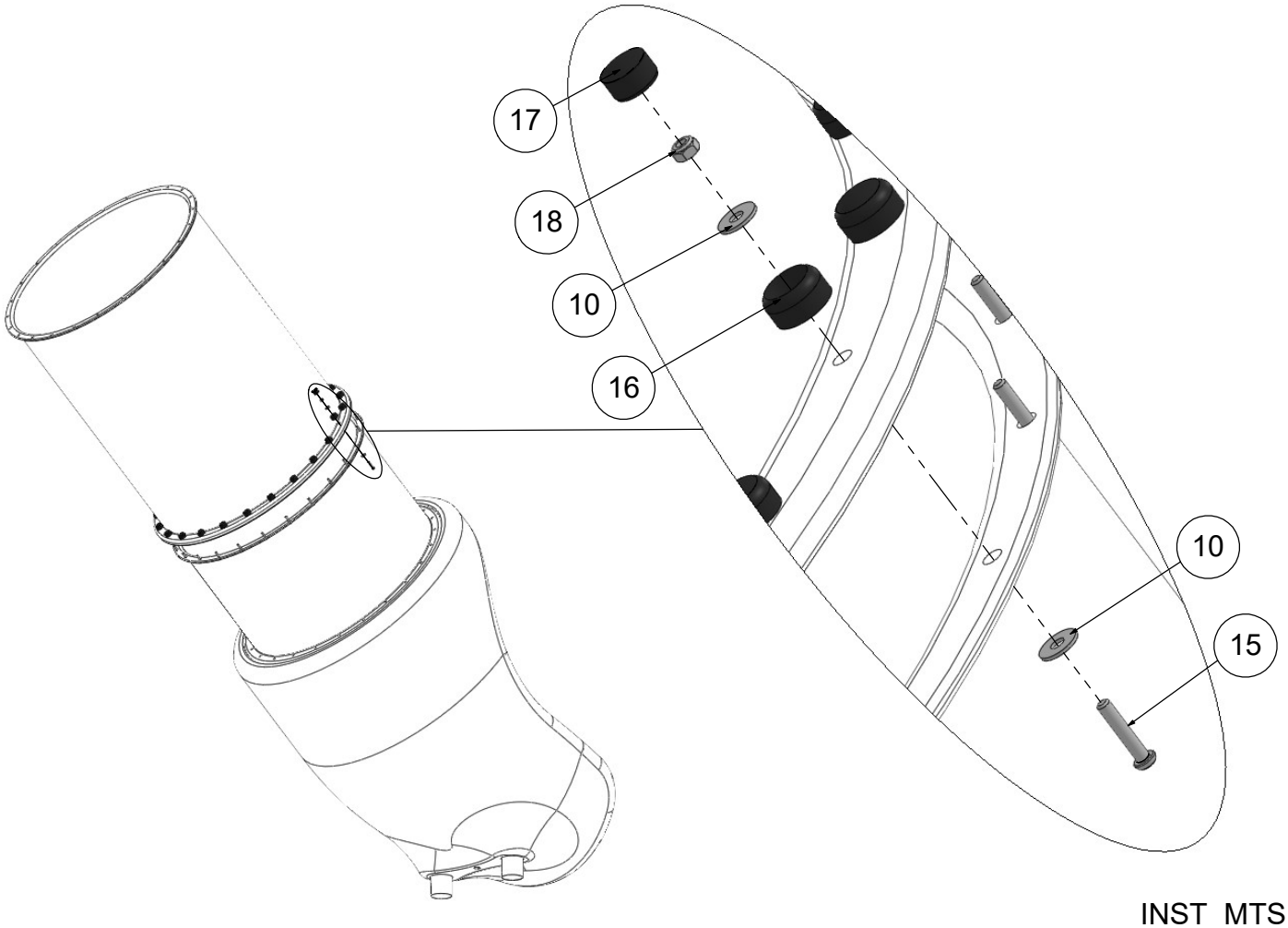
INST_MTS_3

Nr	Element	DIN	ELEMENT
10		DIN 9021	6x18
15		ISO 7380	M6x30
16		-	K1_d21_B
17		-	Z1_d21_B
18		DIN 985	M6



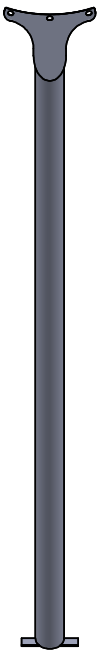




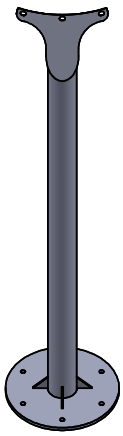


INST_MTS_4

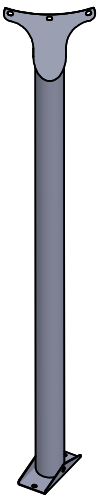
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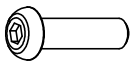
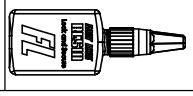


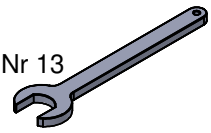
F*



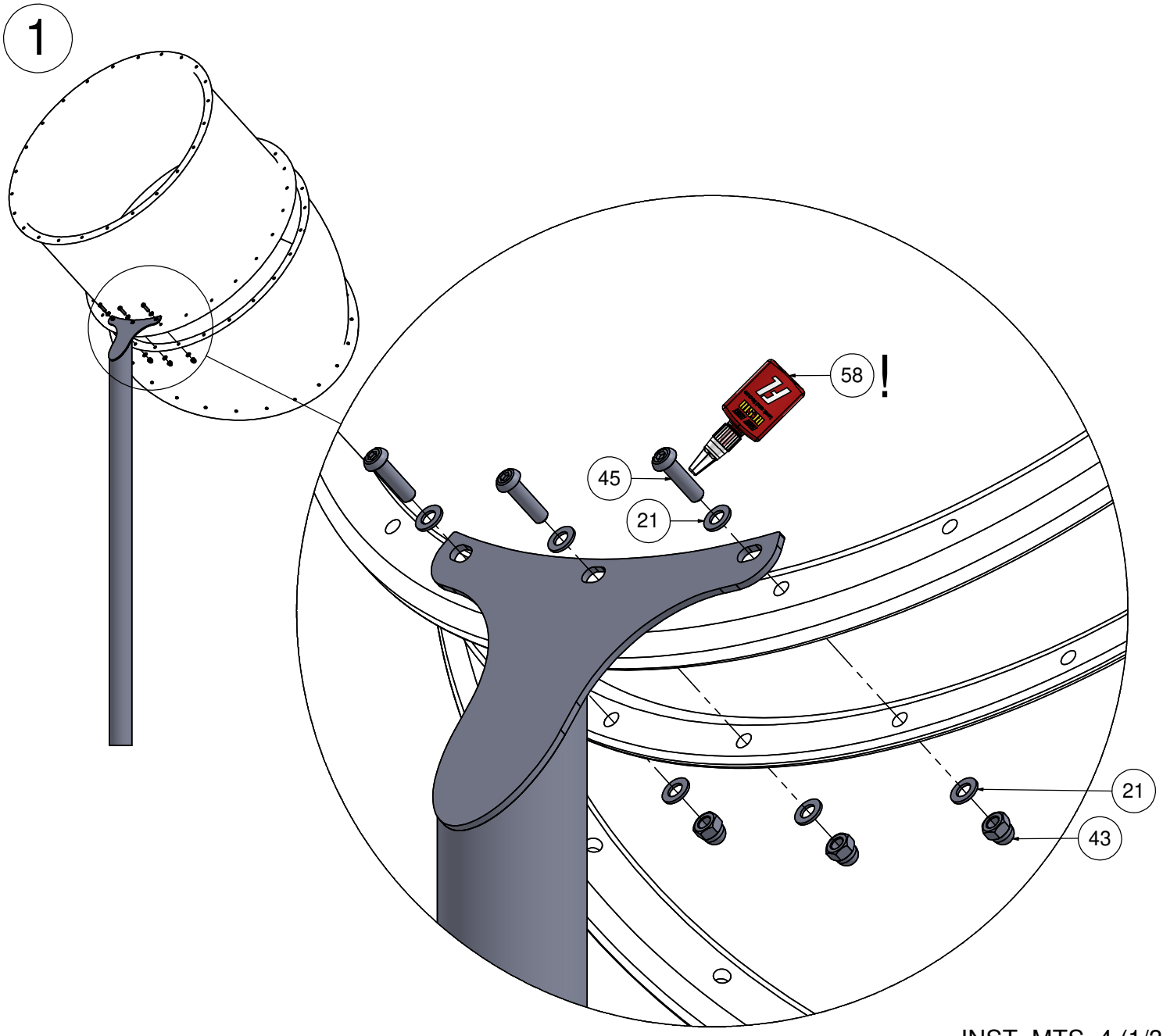
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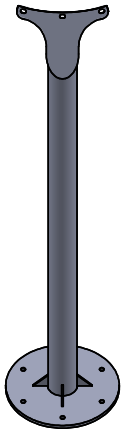
Nr	Σ	Element		
21	6		DIN 125	8x16
43	3		DIN 1587	M8
45	3		ISO 7380	M8x30
58	1		-	LOCTITE

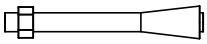


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F*

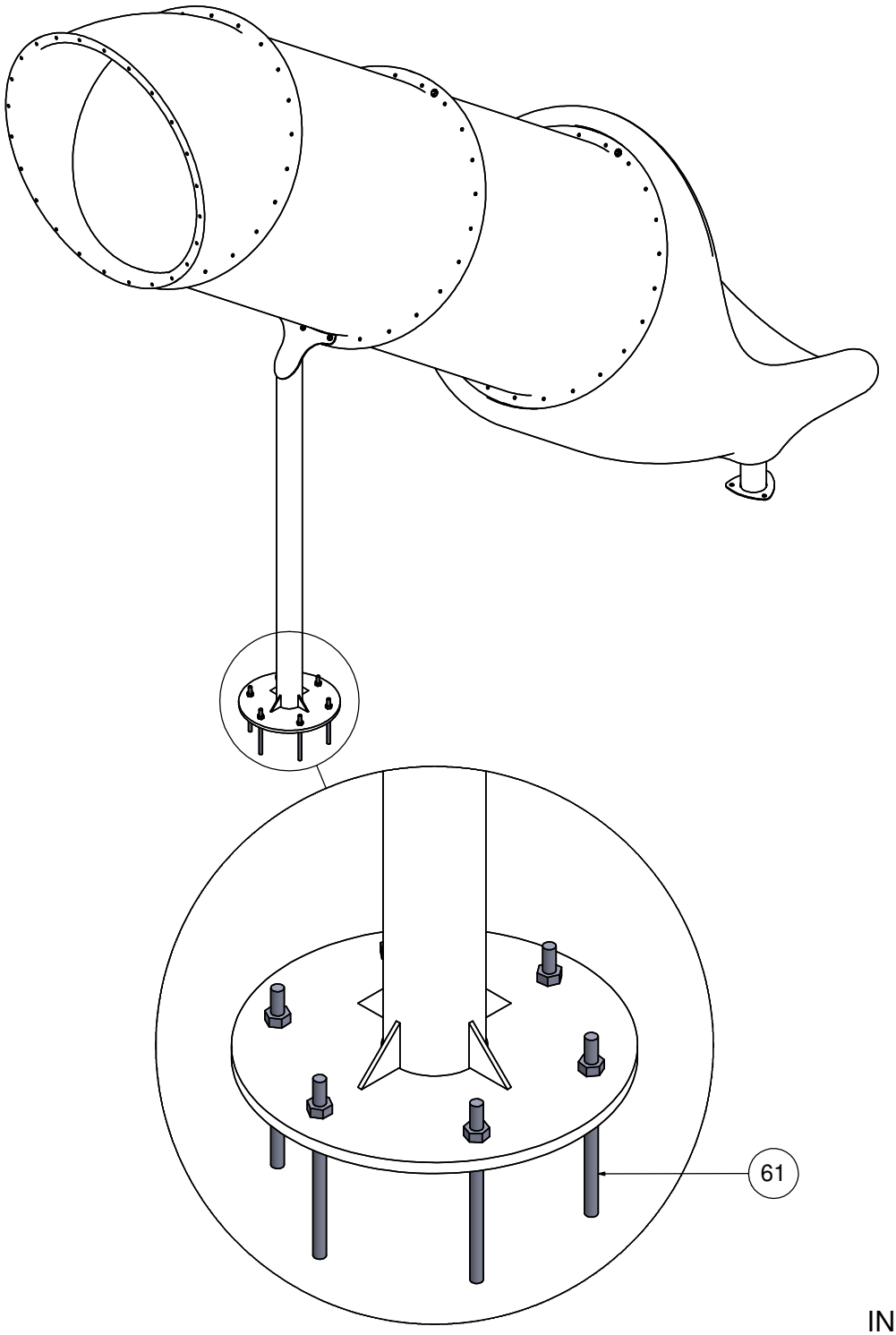


Nr	Σ	Element	DIN	ELEMENT
61	6		-	KL105

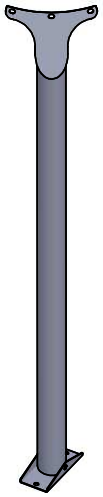
Nr 17

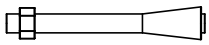
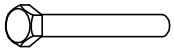
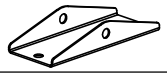


2F*

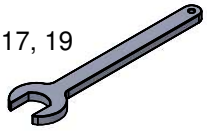


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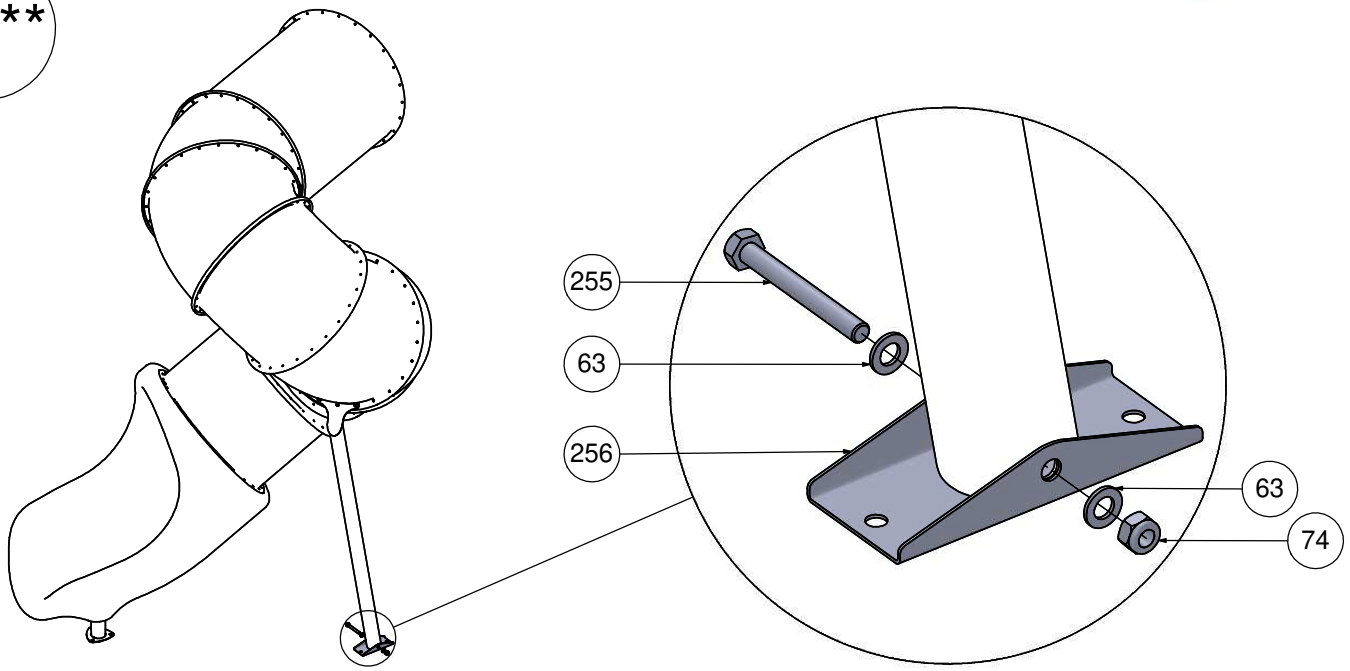


Nr	Σ	Element		
61	2		-	KL105
63	2		DIN 125	12x24
74	1		DIN 985	M12
255	1		DIN 931	M12x100
256	1		-	MTS_5_g2_G_v1

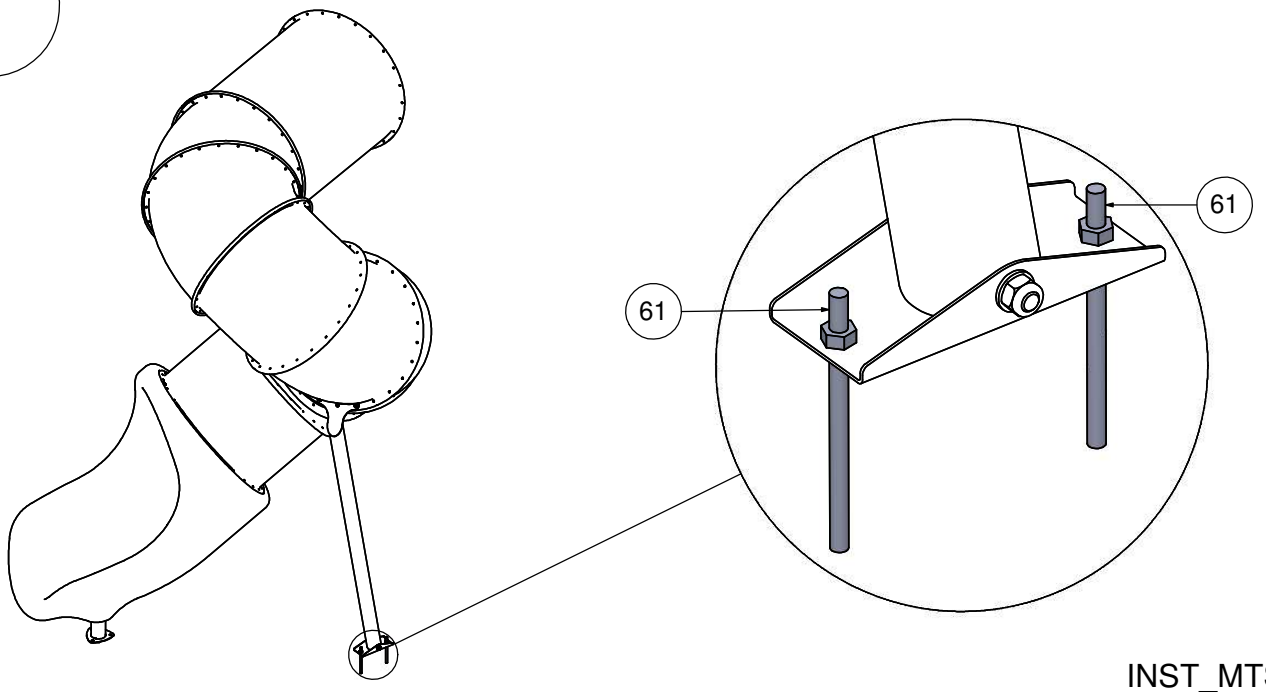
Nr 17, 19



2F**



3F**



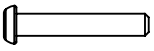
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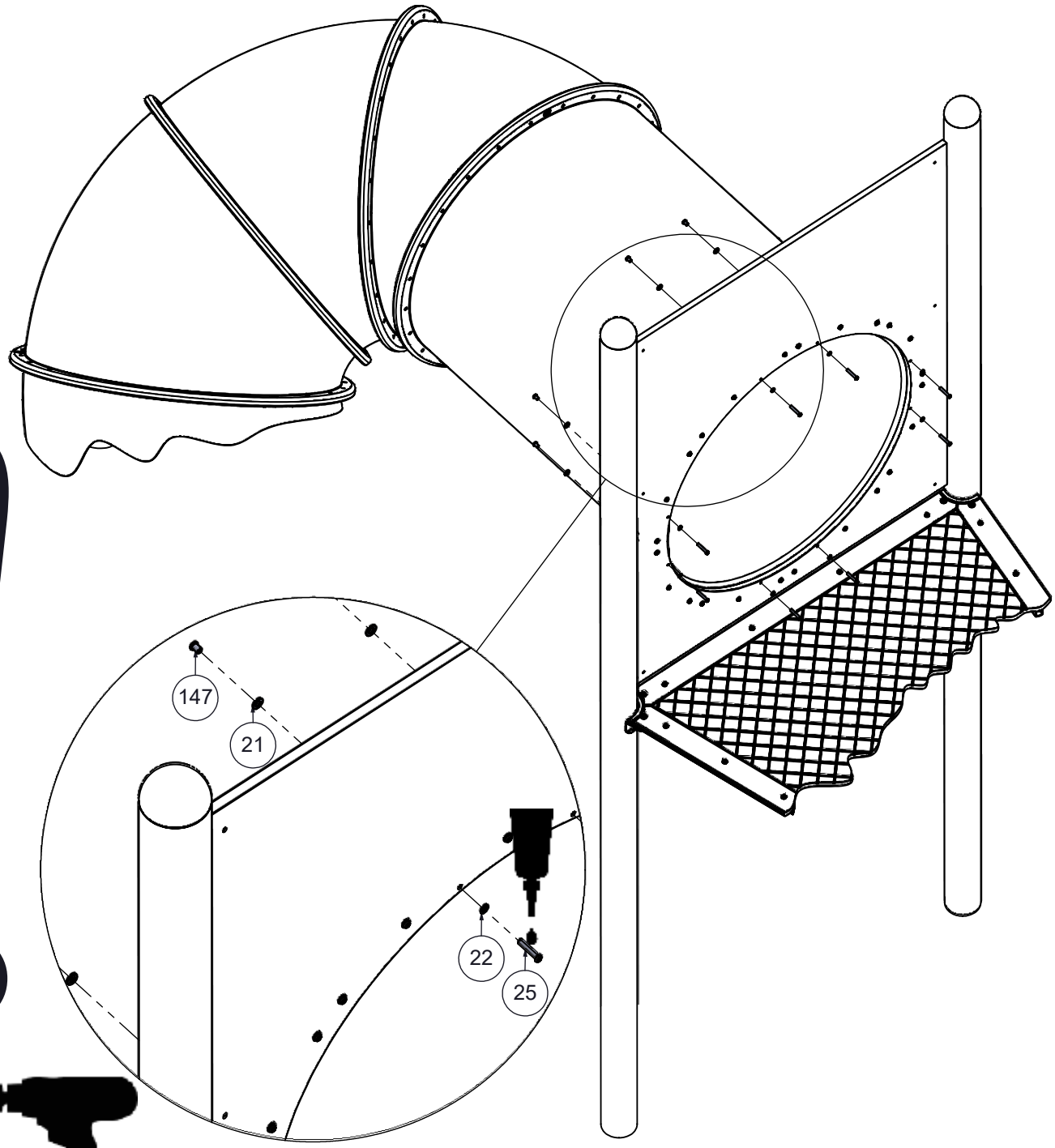
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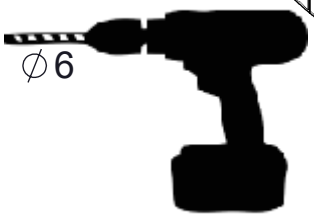


Nr T30

Nr	Σ	Element	DIN	ELEMENT
17	24		-	Z1_d21_B
21	8		DIN 125	8x16
22	8		DIN 125	6x12
25	8		ISO 7380	M6x35
147	8		-	M6x10

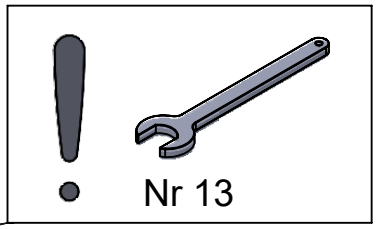
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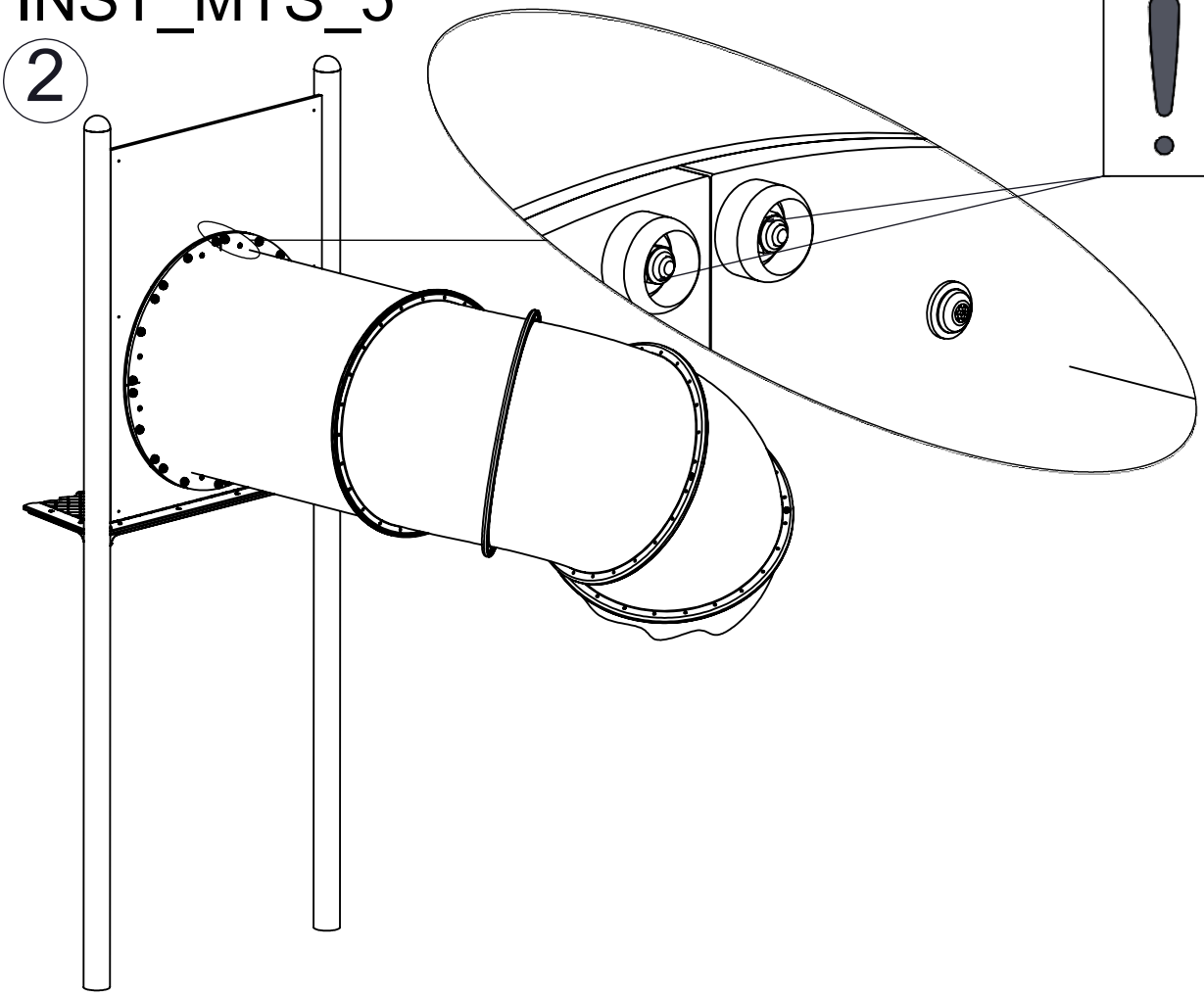




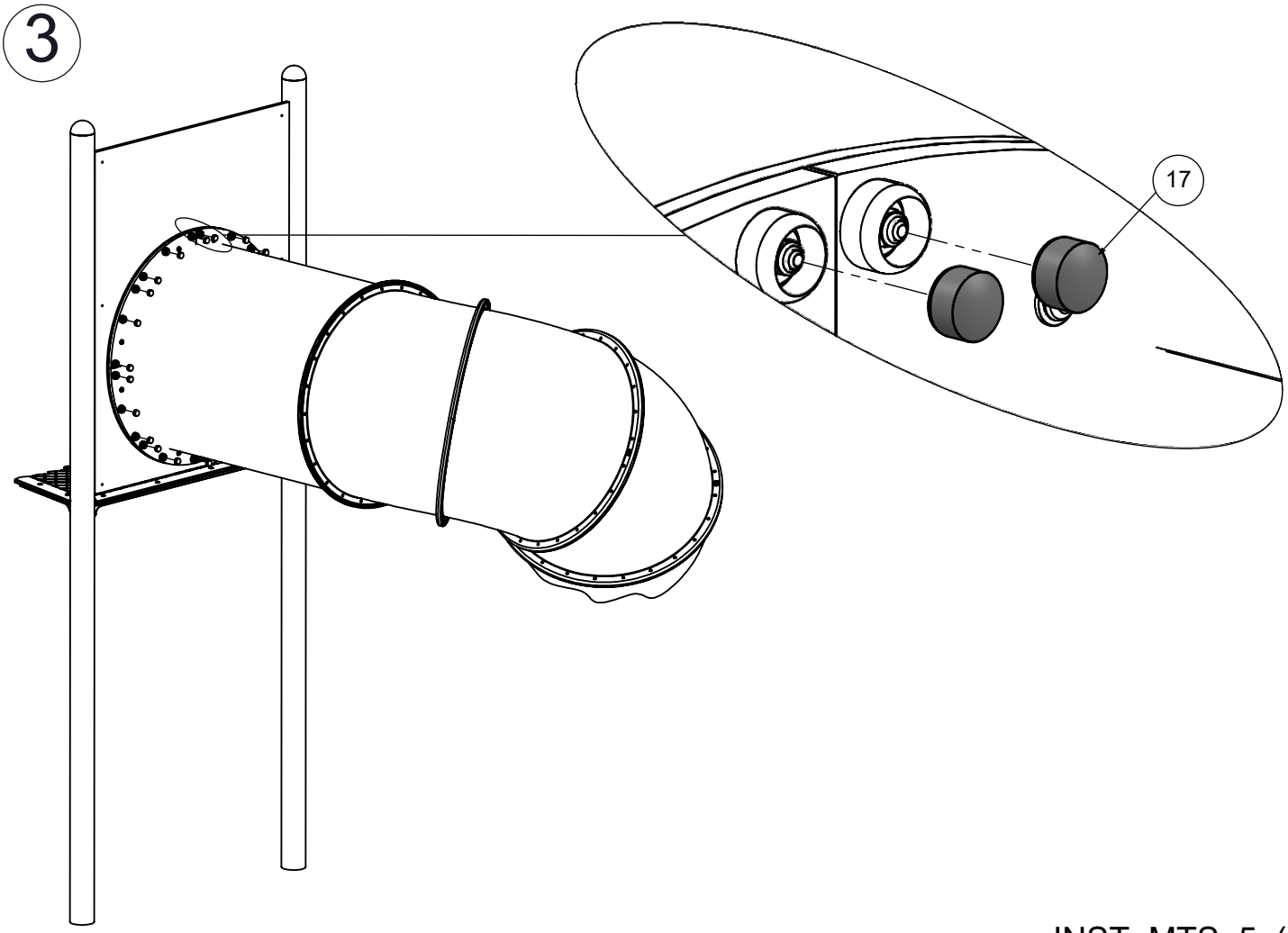
INST_MTS_5

2

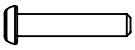


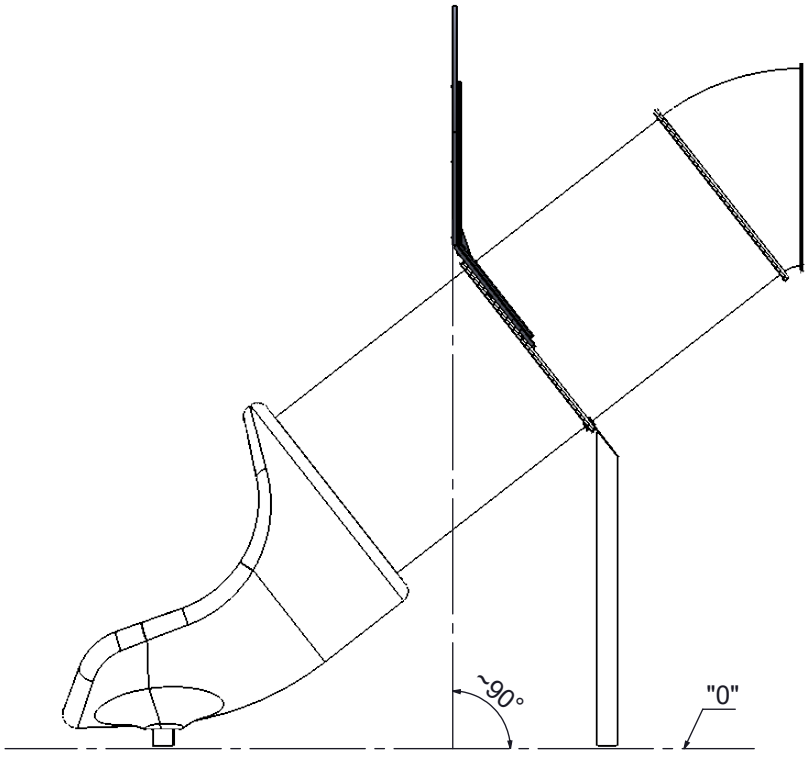


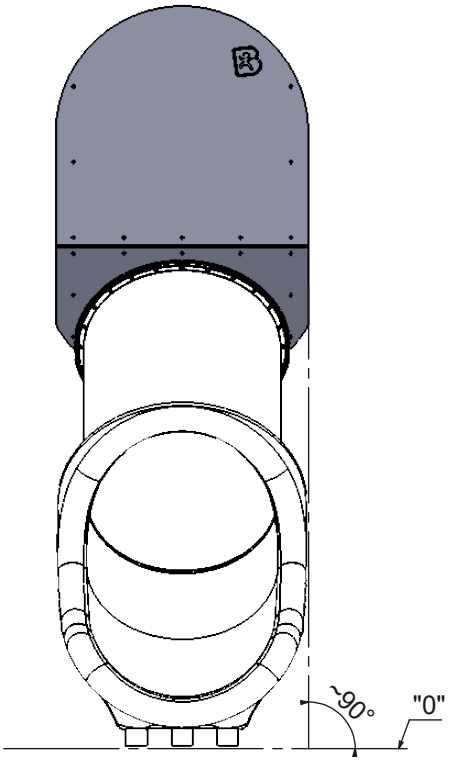
3



INST_MTS_6

Nr	Σ	Element		
10	13		DIN 9021	6x18
15	13		ISO 7380	M6x30
21	13		DIN 125	8x16
147	13		-	M6x10

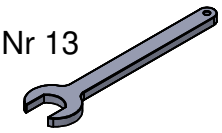


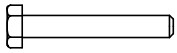
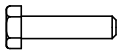


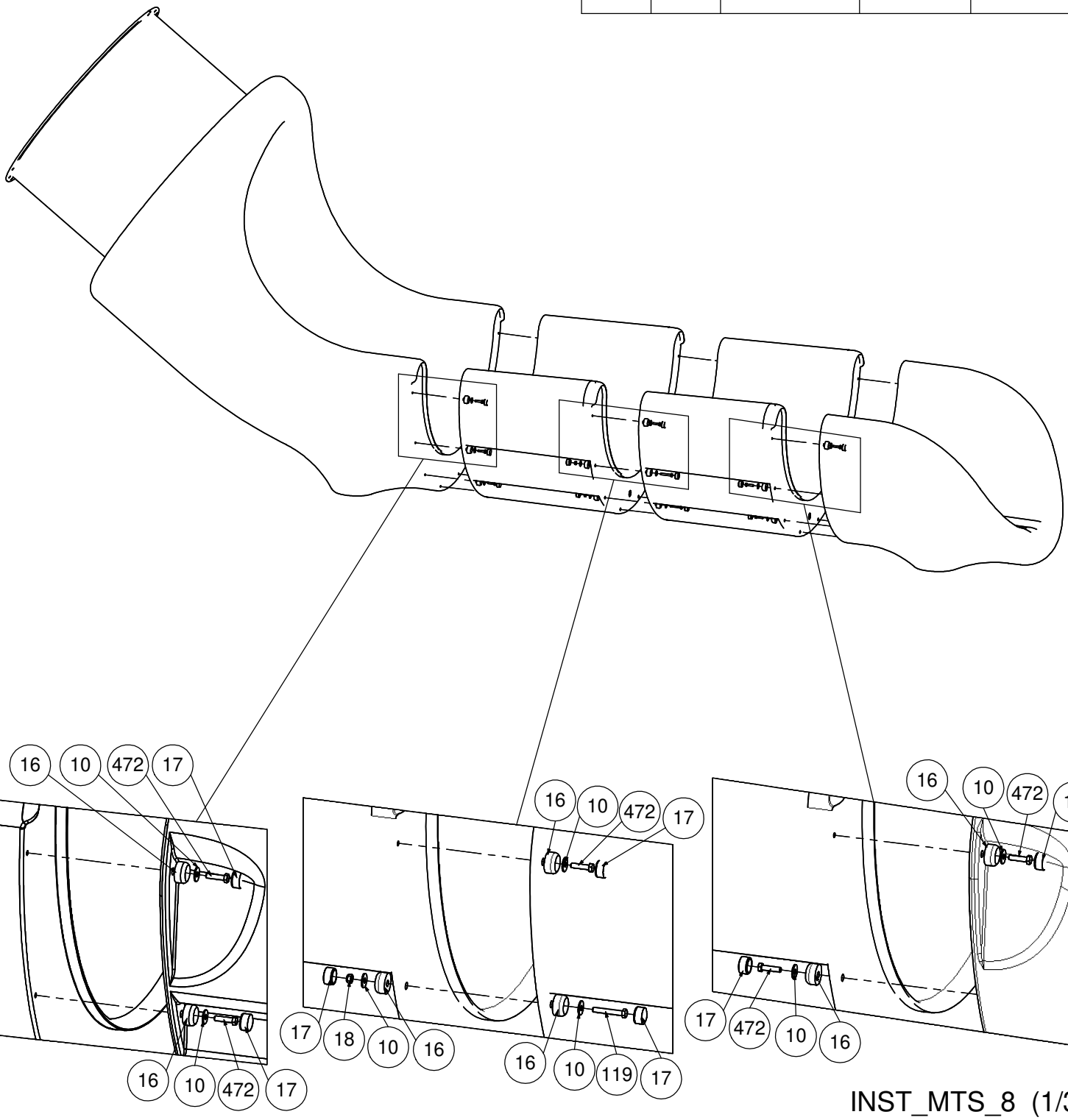
INST_MTS_8

1

Nr 13

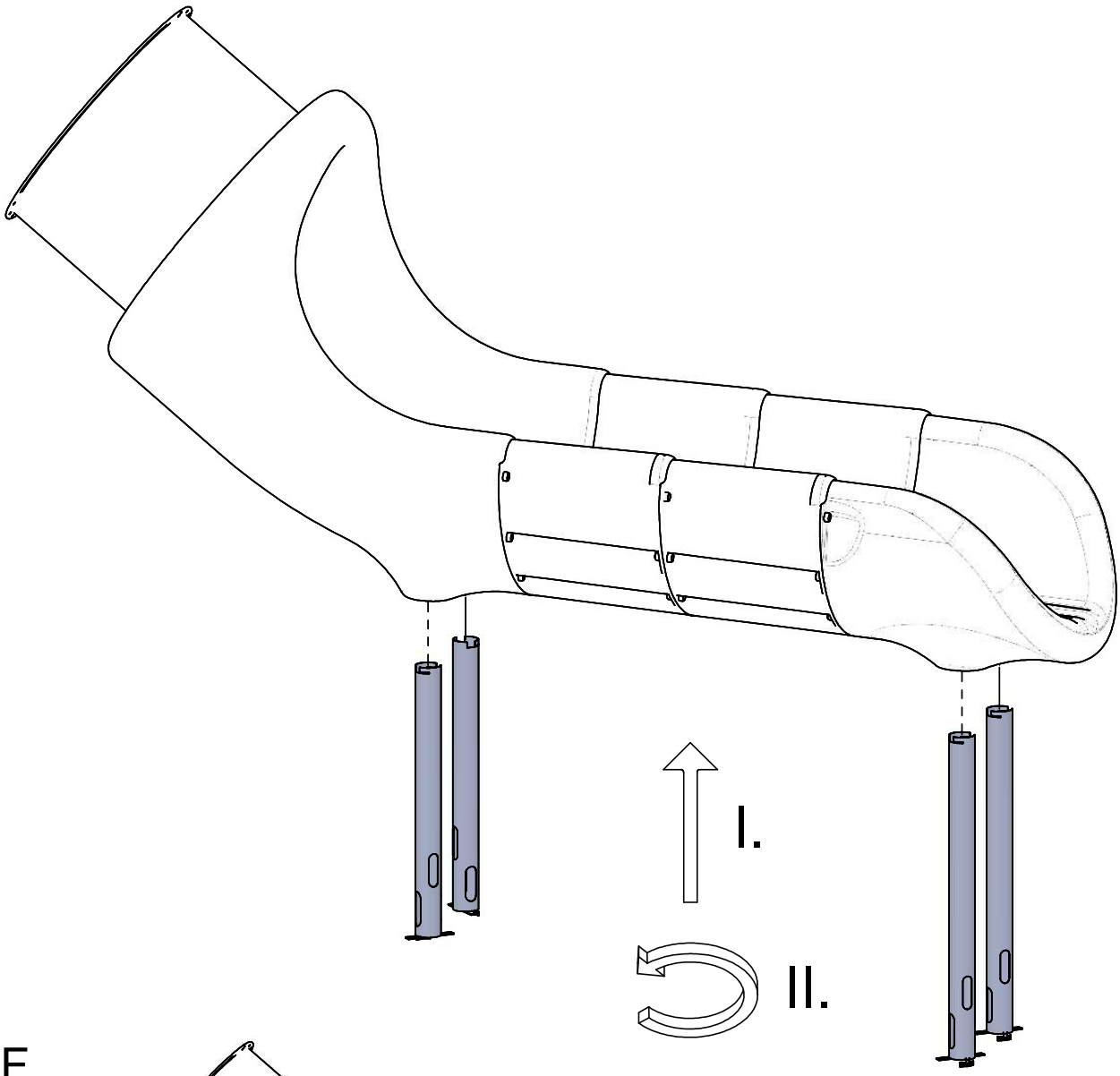


Nr	Σ	Element		
10	30		DIN 9021	6x18
16	30		-	K1_d21_B
17	30		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
119	6		DIN 933	M6x40 (OC)
472	18		DIN 933	M6x25 (OC)

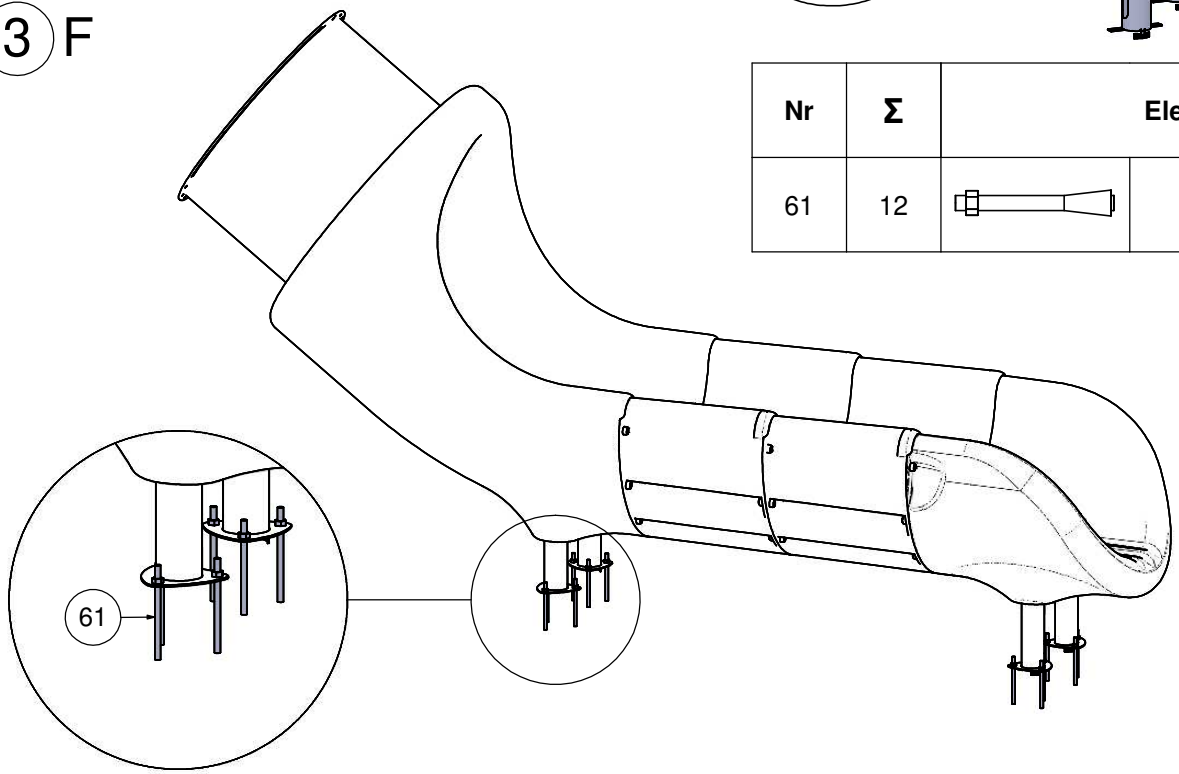


INST_MTS_8

2



3 F



Nr	Σ	Element		
61	12		-	KL105 (OC)

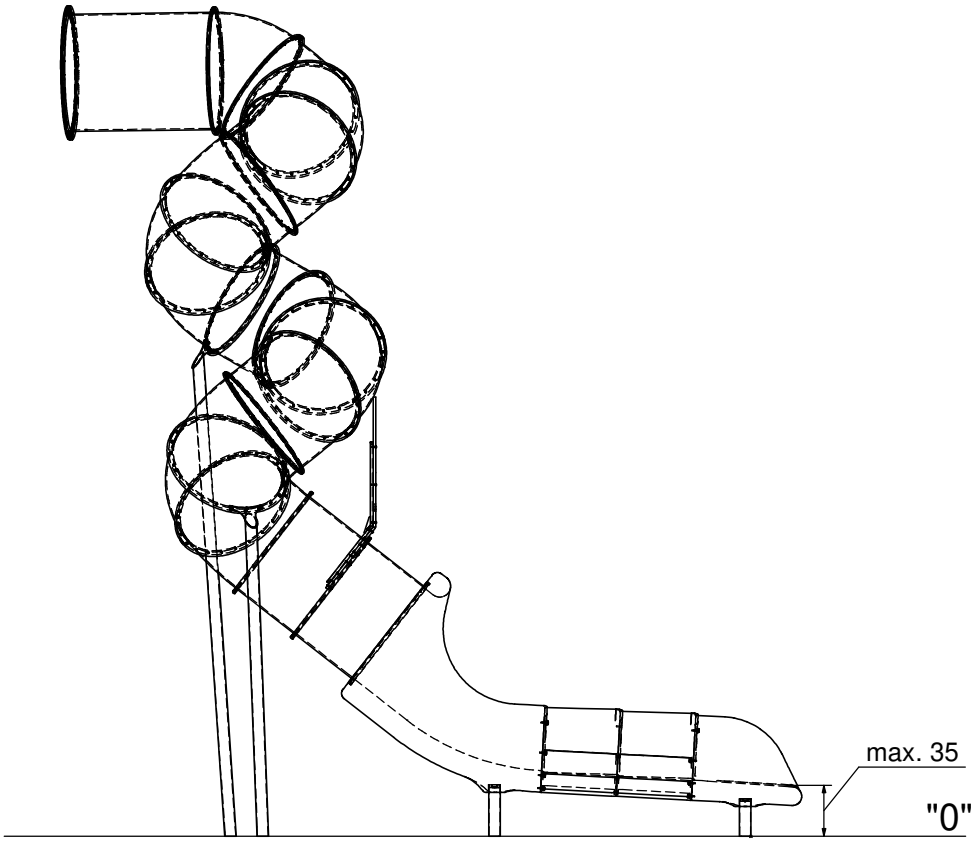
Nr 17

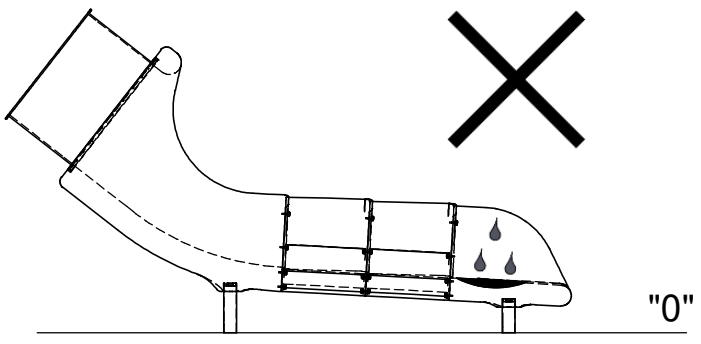


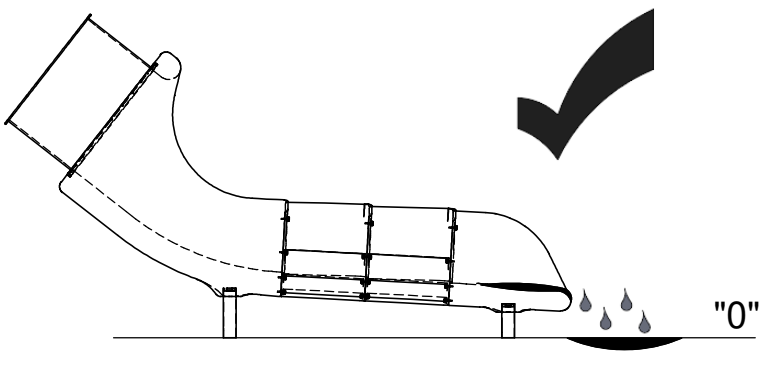
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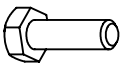
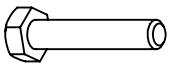
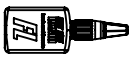
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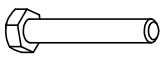


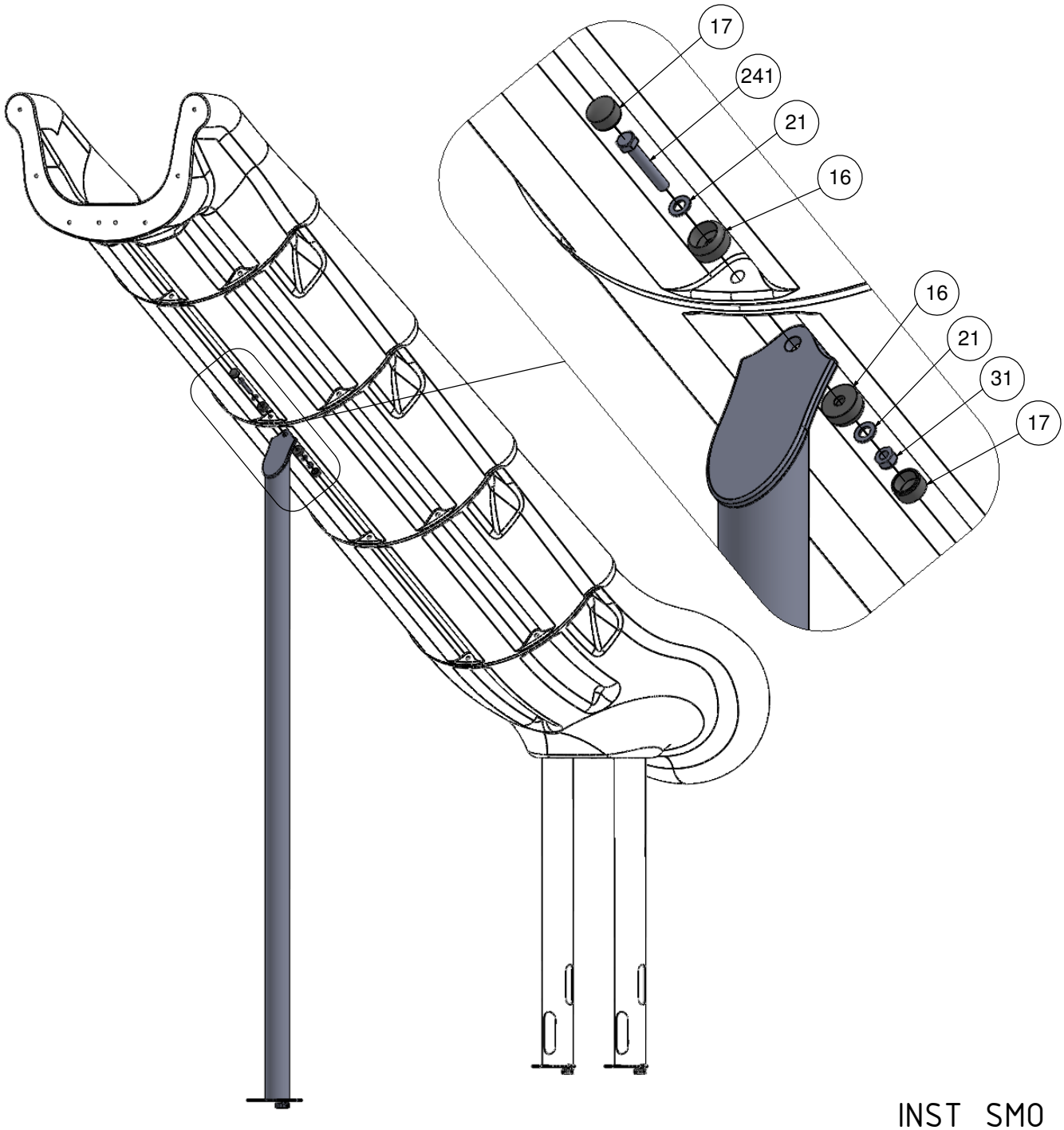


INST_SMO_1

Nr	Element	DIN	ELEMENT
16		-	K1_d21_B
17		-	Z1_d21_B
21		DIN 125	8x16
31		DIN 985	M8
240		DIN 933	M8x25
210		DIN 933	M8x40
58		-	LOCTITE

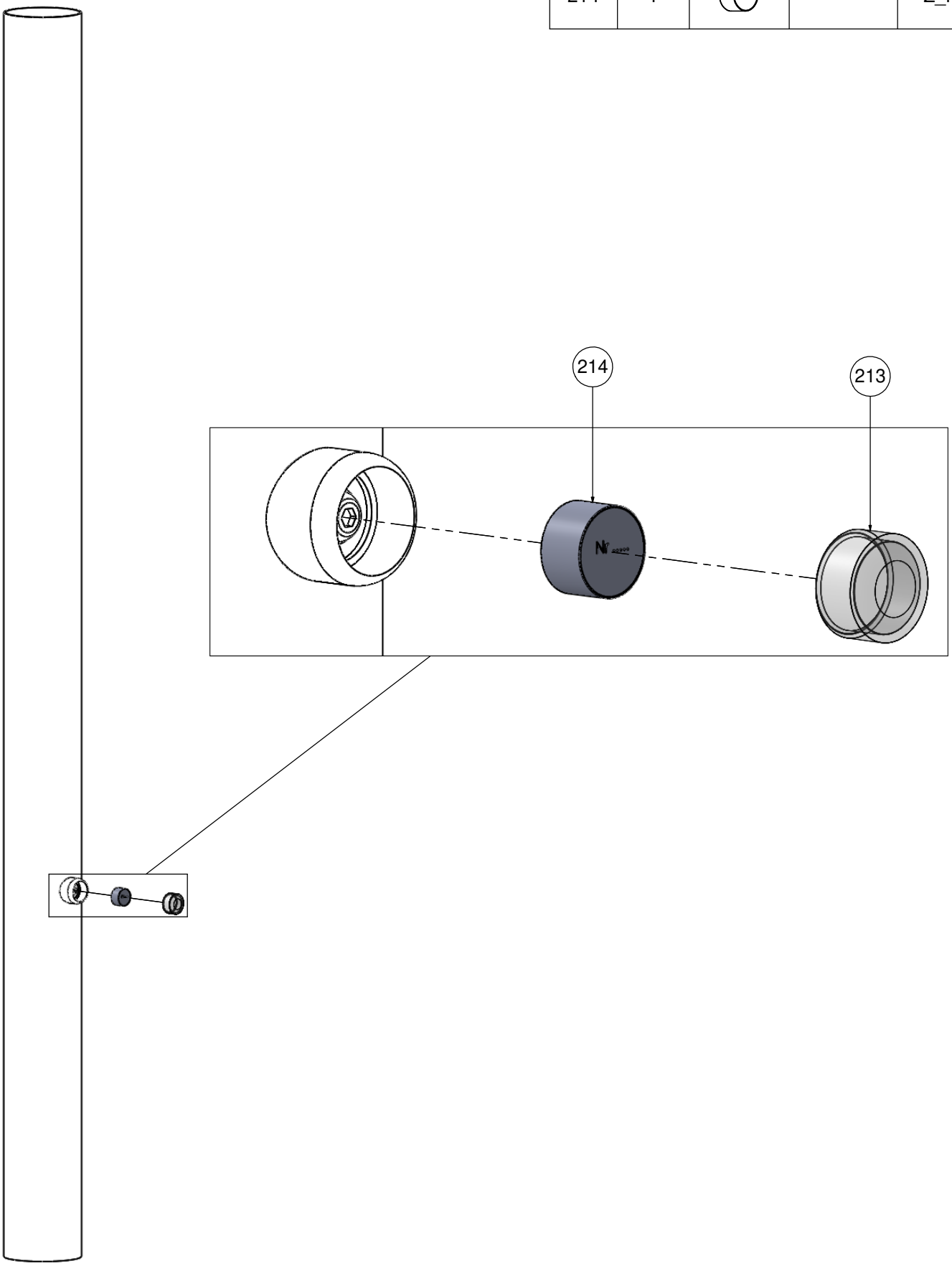
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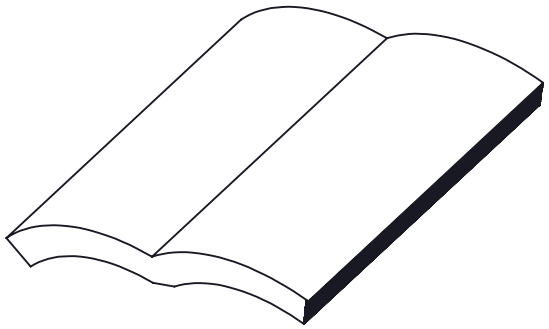
Nr	Element	DIN	ELEMENT
16		-	K1_d21_B
17		-	Z1_d21_B
21		DIN 125	8x16
31		DIN 985	M8
241		DIN 933	M8x50



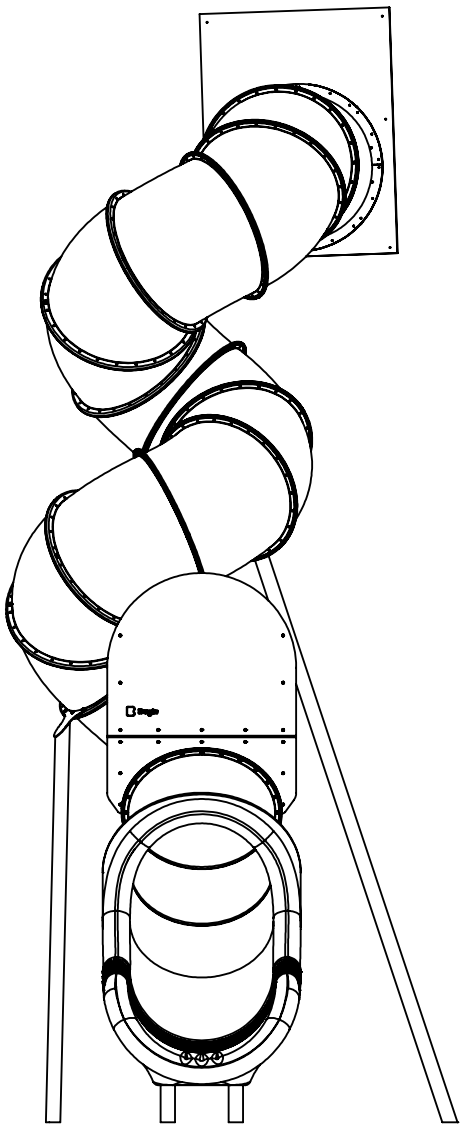
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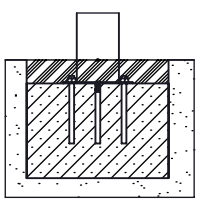
Nr	Σ	Element		
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214	1		-	Z_NA_2



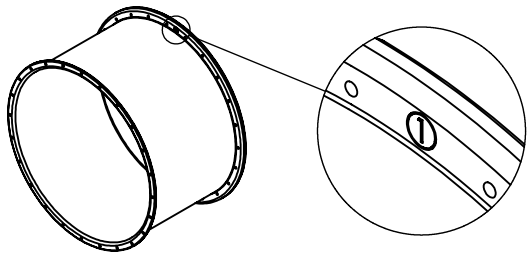
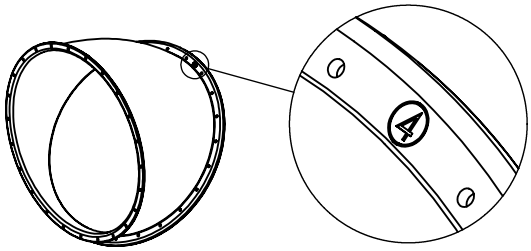
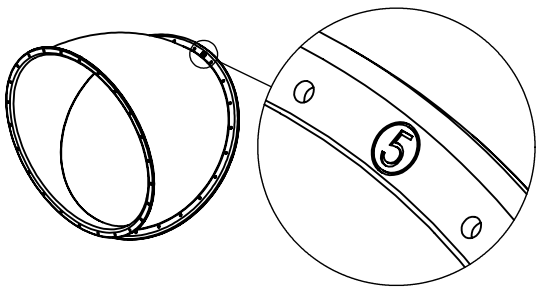


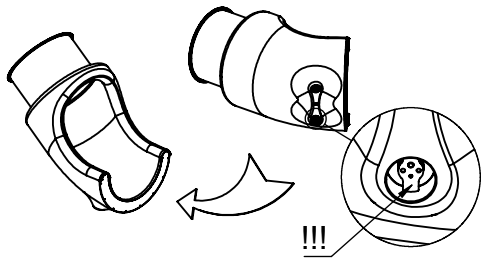
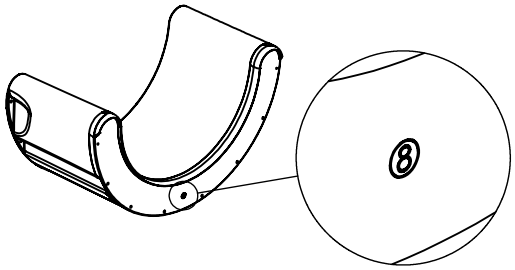
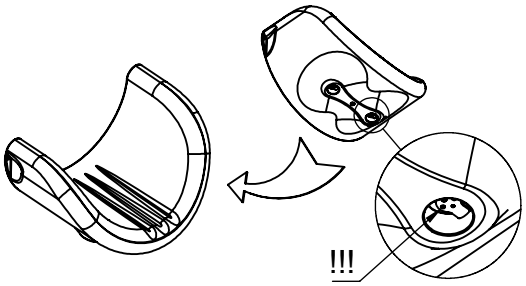
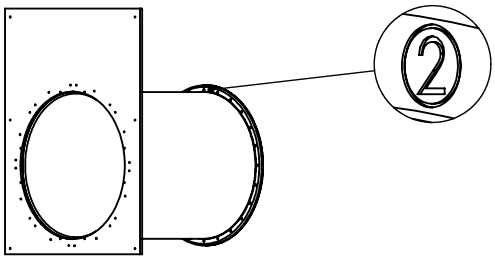
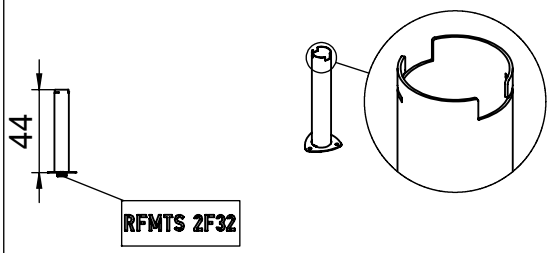
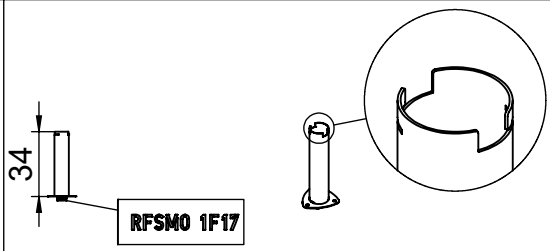
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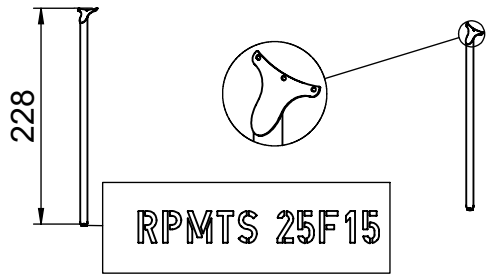
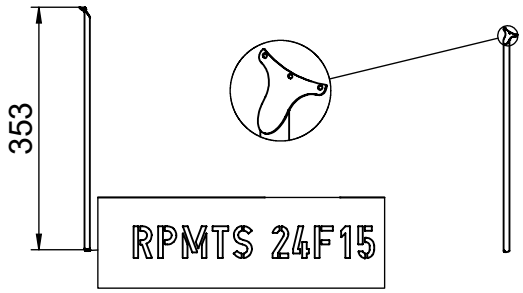
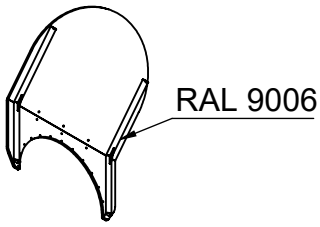


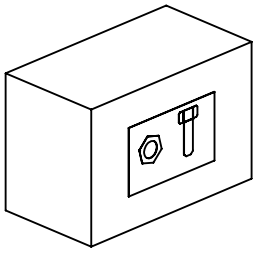


MTSS_H450_2455555555555555117889 F10

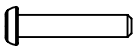
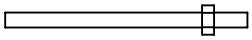
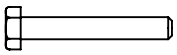
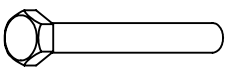
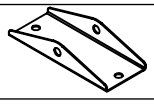
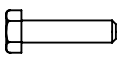
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1		1
2		
3		
4		1
5		13
6		

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8		2
9		1
10		1
11		2
12		2

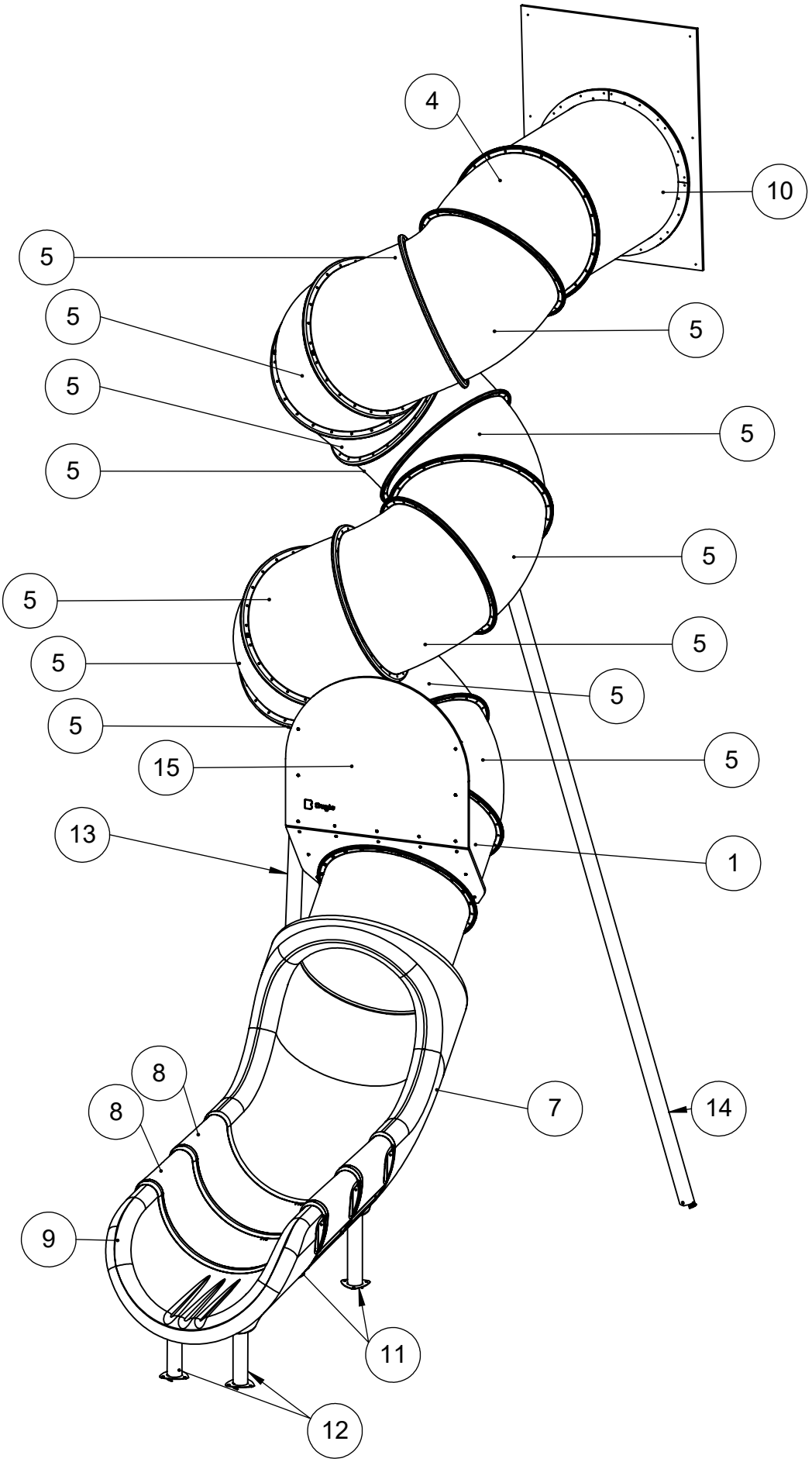
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14		1
15		1



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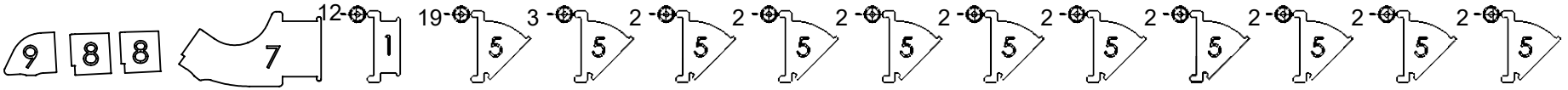
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10		DIN 9021	6x18	811
15		ISO 7380	M6x30	397
16		-	K1_d21_B	414
17		-	Z1_d21_B	414
18		DIN 985	M6 (OC)	390
21		DIN 125	8x16	25
43		DIN 1587	M8	6
45		ISO 7380	M8x30	6
58		-	LOCTITE	1
61		-	KL105 (OC)	16
63		DIN 125	12x24	4
74		DIN 985	M12 (OC)	2
119		DIN 933	M6x40 (OC)	6
147		-	M6x10	13
255		DIN 931	M12x100	2
256		-	MTS_5_g2_G_v1	2
472		DIN 933	M6x25 (OC)	18

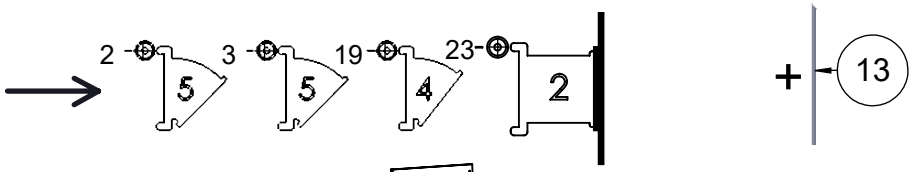
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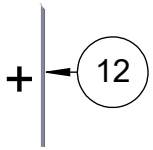


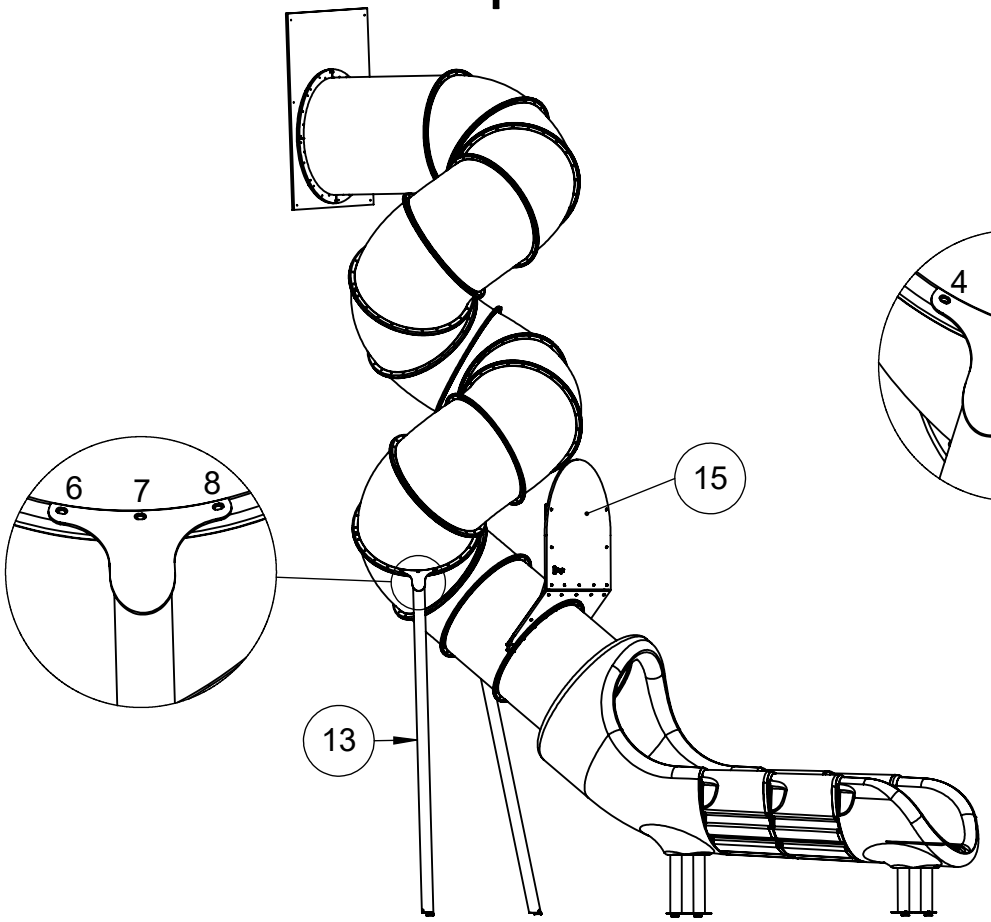
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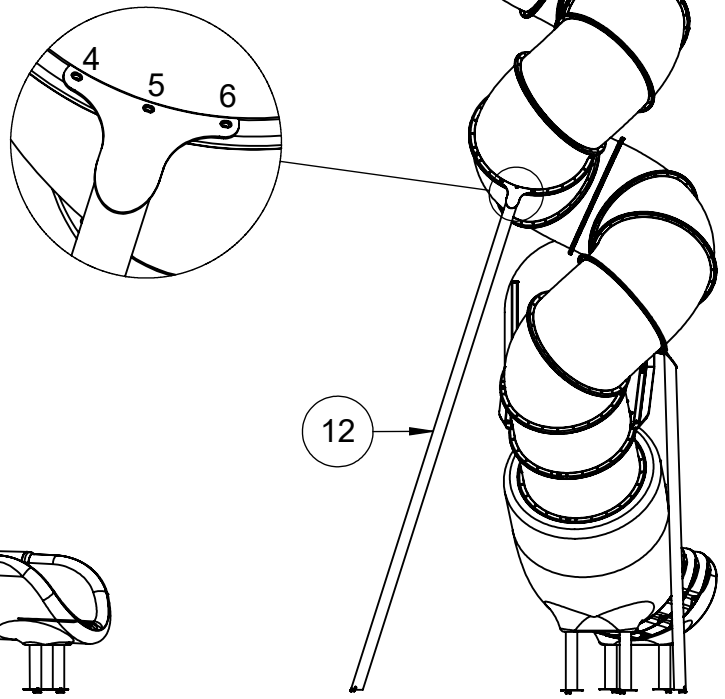
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INST_MTS_3
INST_MTS_4
INST_MTS_5
INST_MTS_6
INST_MTS_8





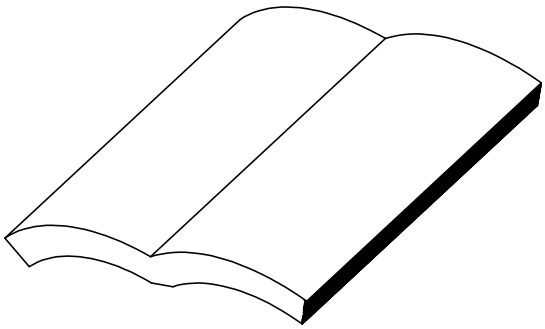




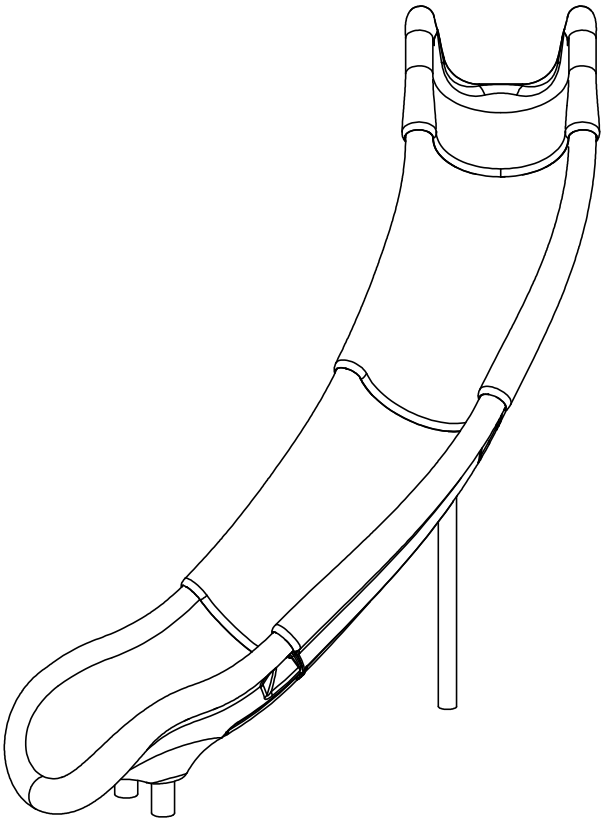


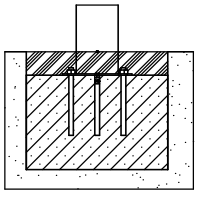
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MANUAL

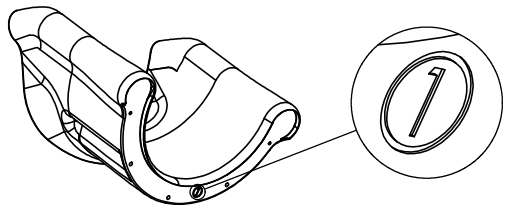
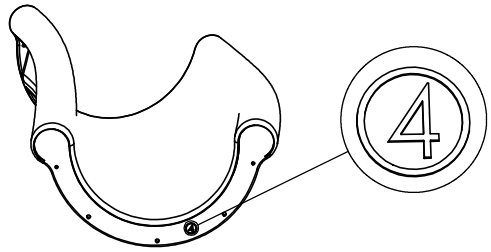
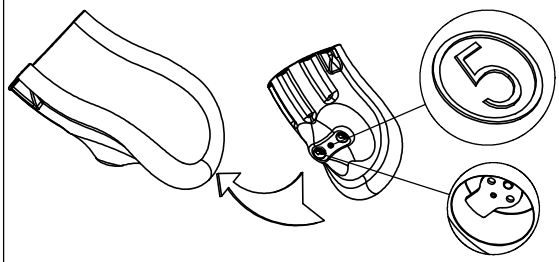
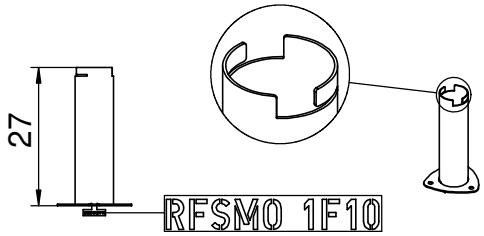
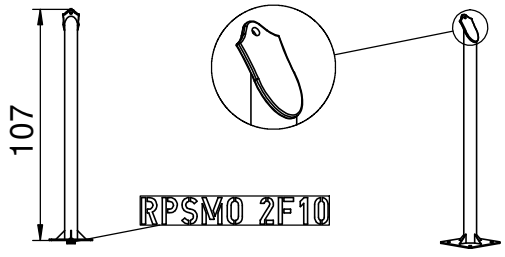


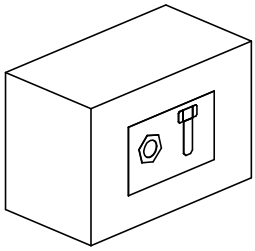
SMOL_180_1445F10



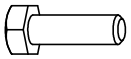
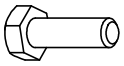
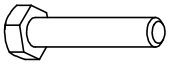


SMOL_180_1445F10

NR	ELEMENT	SMOL_180_1445F10
1		1
2		
3		
4		2
5		1
6		2
7		1

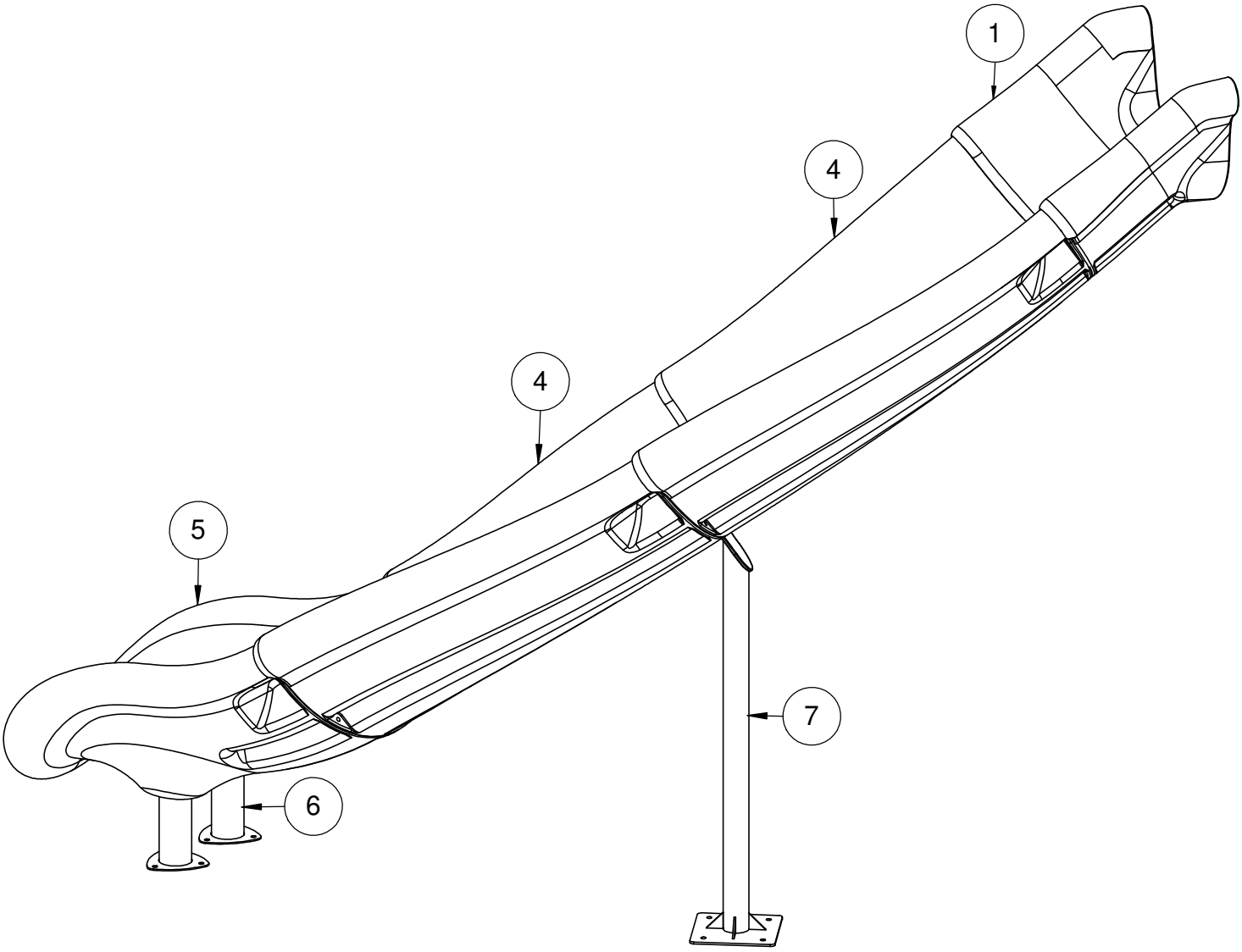


SMOL_180_1445F10

Nr	Element			Σ
16		-	K1_d21_B	26
17		-	Z1_d21_B	26
21		DIN 125	8x16	26
31		DIN 985	M8	10
58		-	LOCTITE	1
61		-	KL105	10
210		DIN 933	M8x40	9
240		DIN 933	M8x25	6
241		DIN 933	M8x50	1

1 SMOL_180_1445F10

INST_SMO_1
INST_SMO_2



Conservation and control of the Product
According to the PN EN 1176-1 : 2017-12-Norm

The conservation and exploitation:
It is required to consult with the Manufacturer about all maintaining works of the Products' parts which are under guarantee.

The anticorrosive surface:
Damaged paint coat should be first cleaned out of dust, fat and corrosion centres. After that, the cleaned surface should covered with an anticorrosive primer for steel surfaces. When the layer is dry, paint twice with spray paint.

The colour combination used by BUGLO according to the RAL palette:
Grey – RAL 7035, Yellow – RAL 1003, Blue – RAL 5015, Red – RAL 3000, Green – RAL 6018, Black – RAL 9005, Purple – RAL 4008, Anthracite – RAL 7016, Silver – RAL 9006, Beige – RAL 1019, Orange – RAL 2009, Brown - RAL 8017

Wood:
Elements made of glued laminated timber require a regular renovation. Depending on climate conditions, level of exploitation and mechanical damages, it is advised to renew the impregnation layer after a period of 2 – 5 years. Before finishing, timber elements need to be mattified, then following products need to be applied:
1) Impregnating Foundation – GORI 356
2) Surface paint – NORDICA EKO 3330 – 12TM1806
Products are available via distribution network of Teknos Company (www.teknos.com). Usage according to the producer's instructions.

IROKO wood: preserve with Owatrol D1.

Stainless steel:
It is recommended to clean stainless steel elements once a year, to remove sediments and contaminats, which accumulation can cause steel discolouring. Wash with cotton cloths and gentle detergent dissolved in water, eg. dishwashing liquid. After cleaning rinse with water and wipe dry.

Caution!
Cleaners used to clean stainless steel **must not** contain: chlorine, salt, acids or bleaches.
Even small amount of this substances can cause permanent damage of chromium oxide surface.

Recommendations for the product control according to the EN 1176-7: 2020-Norm Playground equipment and the surfaces part 7: Guidelines for the assembly, control, conservation and exploitation/running.

1) Post-installation inspecion – recommended before the playgrodun opens for public use to assess the access to the product and its surroundings taking into consideration overall security level.

2) The periodic control – if the product is used very intensively or is exposed to vandalism, the control should be carried out once a week or more frequently.

The periodic control includes:
- potential damage of any elements,
- tightening of the connectors,
- outer coat of the set,
- condition of the shock-absorbing surface,
- bearing lubrication,
- completeness of the products,
- checking if there are no cracks, sharp edges or other damages,
- the cleanness around the Product (broken glass determines a big danger) and smoothing the safety surface,
- the presence of obstacles in the safe space or fall space and their removal if present,
- general safety status of the playground.

3) The functional control – should be carried out once every three months.

It includes the range of the periodic inspection enlarged by examining the product's functions.
- during the functional control the fixed elements of the product should be checked (completeness of caps and masking elements),
- checking the stability of the posts,
- checking the loose-fill safety surface (eg. sand, gravel, bark, woodchips) and evening it out. If the level is under 10cm below the marked surface level, it must be filled in,
- tighten all screws,
- checking the tensions of the zip line rope, nets and rope pyramids,
- checking of the condition of welds,
- replacing of worn or damaged elements.

4) The functional control and the main control – mandatory once a year.

The main control covers:
- checking the construction's stability,
- checking and reconstructing the anti-corrosion coating that was damaged,
- checking the foundation's condition,
- checking the loose-fill safety surface (eg. sand, gravel, bark, woodchips) and evening it out. If the level is under 10cm below the marked surface level, it must be filled in,
- checking the condition of wooden elements, if included.

The equipment should have a regular check-up control by competent people (with certified level of competence). Every time the check-up control takes place, the playground administrator should record it on inspetion sheets. Any modificatons of the equipment or design that may affect the basic safety of the equipment should be carried out after consultation with the manufacturer or a competent person.
All personnel involved in playground safety management must be competent.
Full range of requirements according to EN 1176-7:2020.

A sample of playground inspection sheet is included in attachment A1.

Control sheet of the playground

Administrator of the playground

Controlled equipment (product number, manufacturer number)

Check-up plan

	Check-up run once a week or more often, depends on how intensively the product is used (periodically)	YES	NO
1	General condition of the safety on the playground.		
2	Tightening of the connectors, bearings lubrication, checking of the shock-absorbing surface.		
3	Is the set complete?		
4	Are there any cracks, sharp edges or other damages in the device?		
5	Is the area surrounding the device clean (no glass, safe surface horizontal/even)?		
6	Are there any obstacles in the clear space or fall space?		

	Check-up run once in a three months (functional)	YES	NO
1	Are the non-separable elements complete (covers and masking elements are complete)?		
2	Are the posts stable?		
3	Is the loose safe surface horizontal/even?		
4	Is the level of the safety surface up to the marked level or is max. 10cm below this level?		
5	Is the condition of the connectors adequate?		
6	Is the condition of the welds adequate?		
7	Are the ropes and nets tensioned correclly?		
8	Replacing of worn or damaged elements.		

	Check-up run once a year (functional an main)	YES	NO
1	Is the construction stable?		
2	Are there any damages to the anticorrosional coat?		
3	Is the powdery safe surface horizontal/even?		
4	Is the condition of the foundation adequate?		
5	Is the condition of wooden elements adequate?		
6	Is the level of the safety surface up to the marked level or is max. 10cm below this level?		

Fault/Repair

1	
2	
3	
4	
5	

Parts exchange

	Name of the part	Qty	Reason
1			
2			
3			

	Date	Inspector’s name
1		
2		
3		
4		