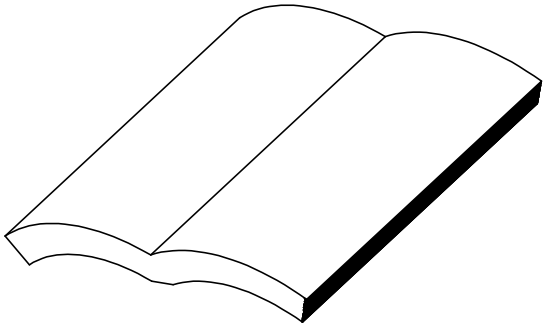
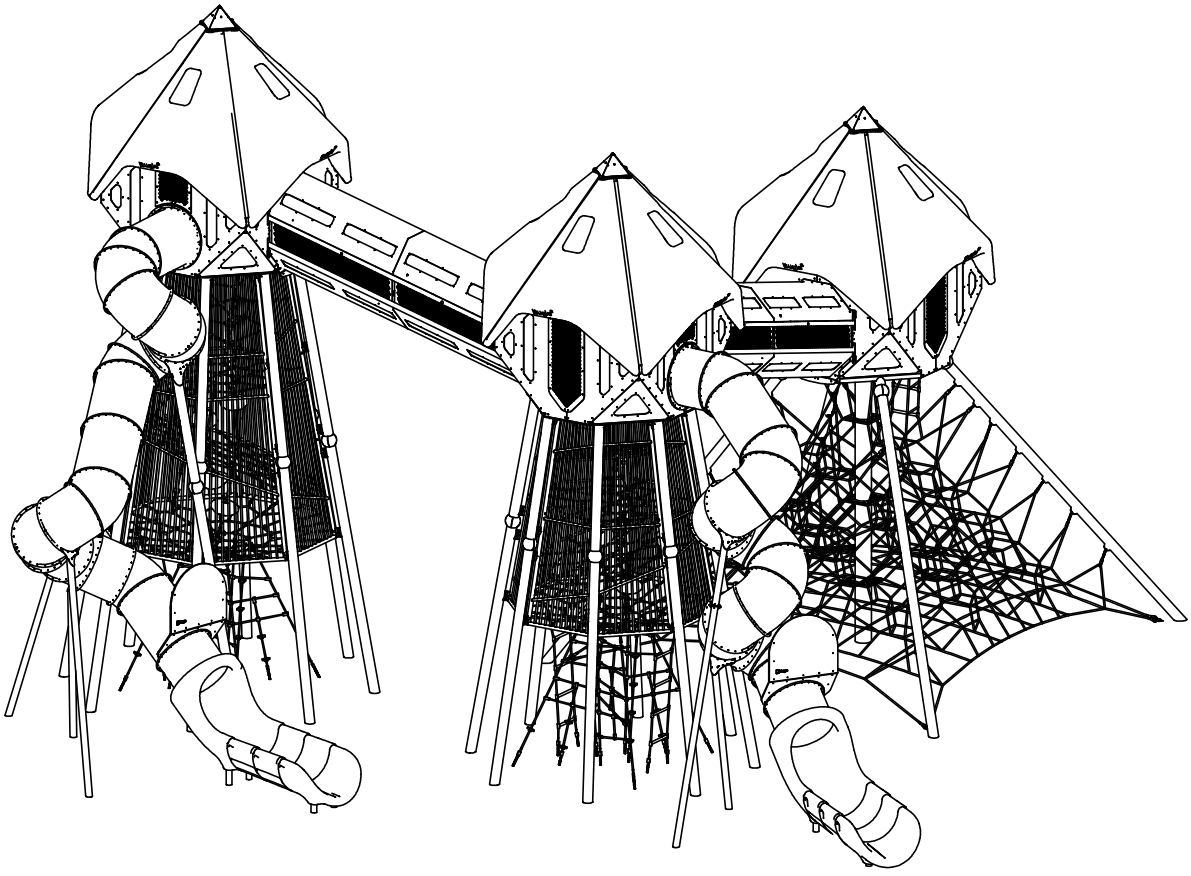
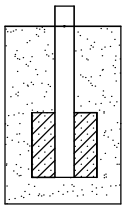
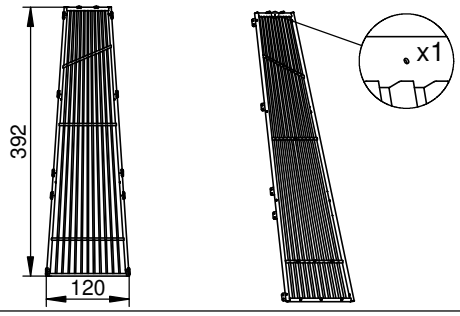
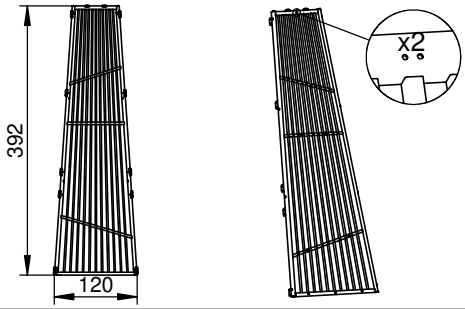
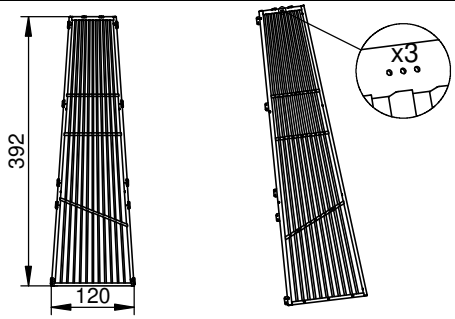
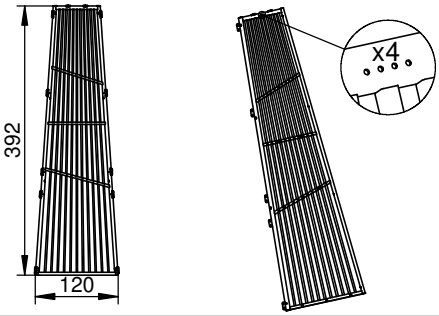
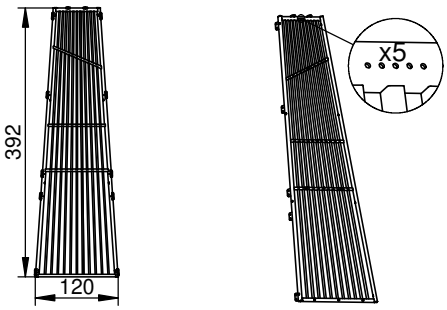
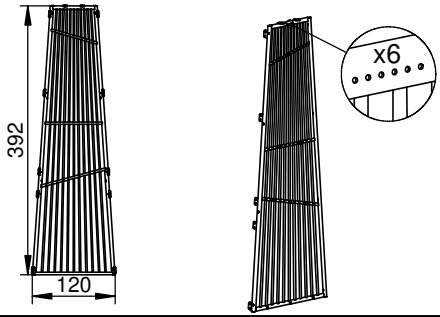


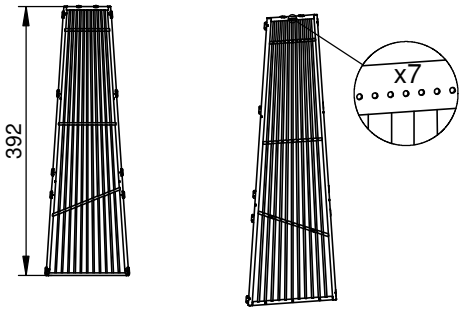
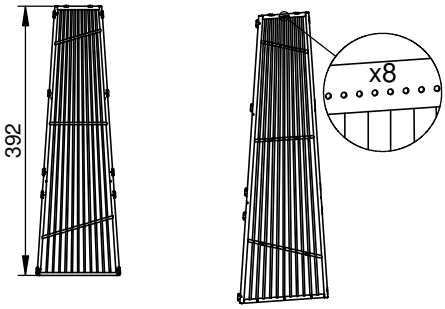
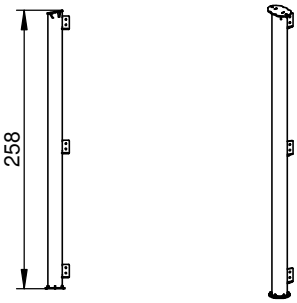
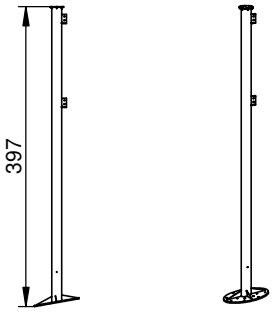
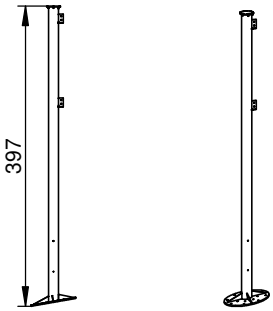
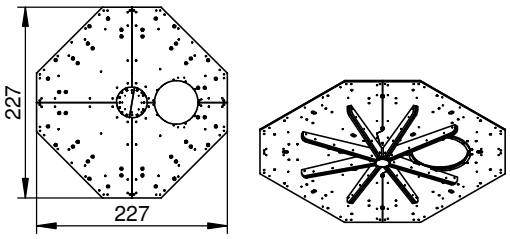
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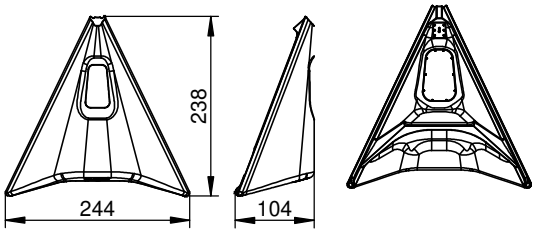
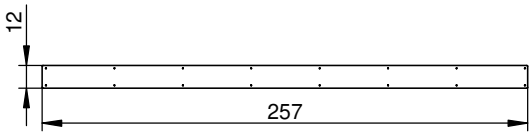
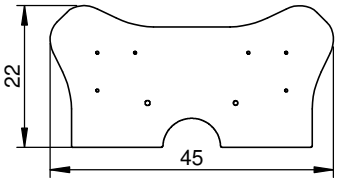
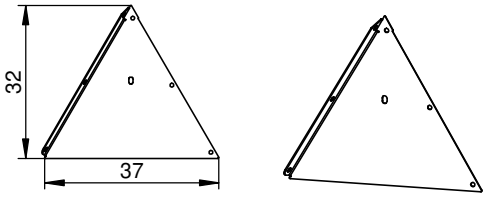
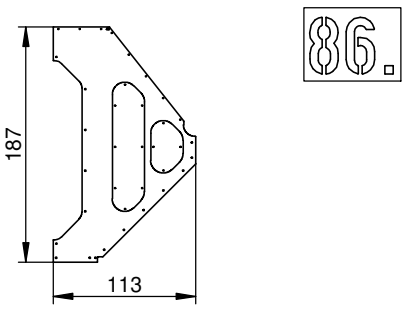
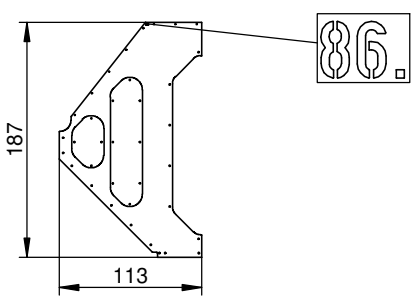


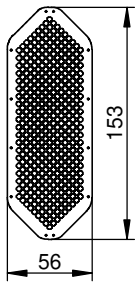
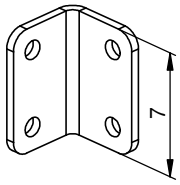
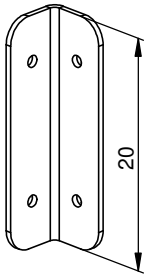
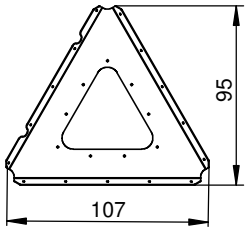
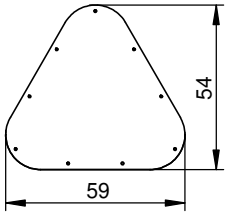
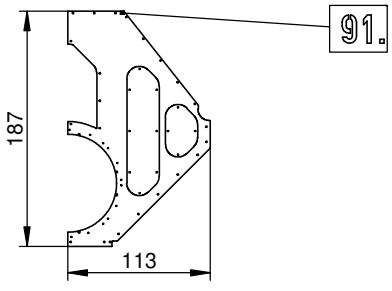


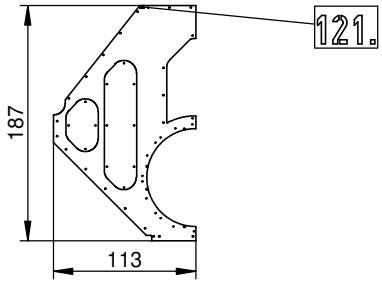
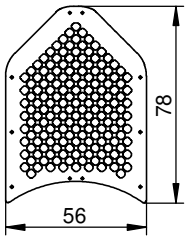
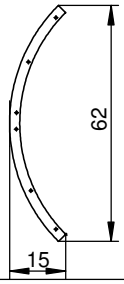
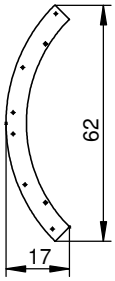
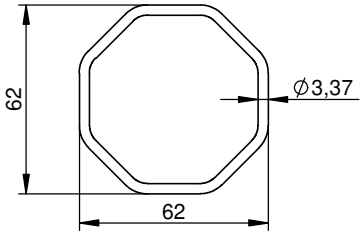
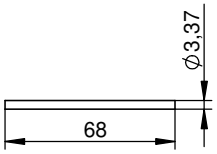
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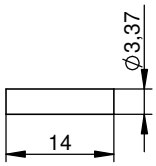
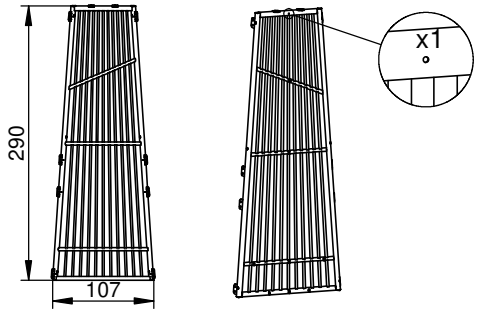
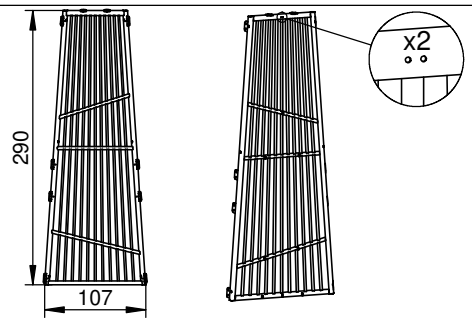
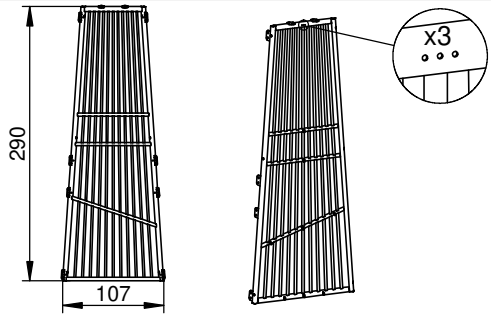
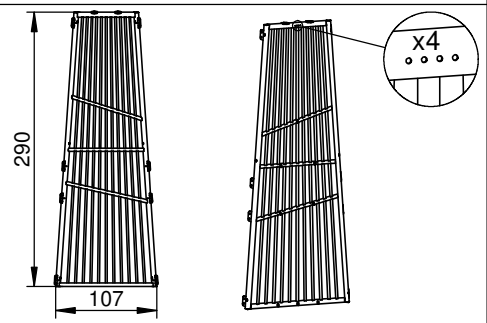
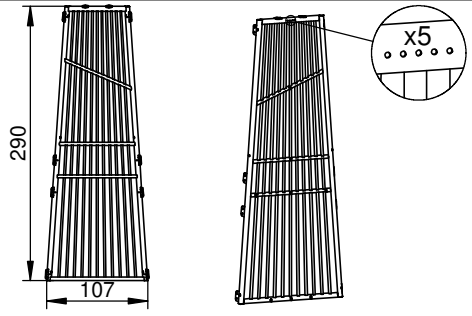
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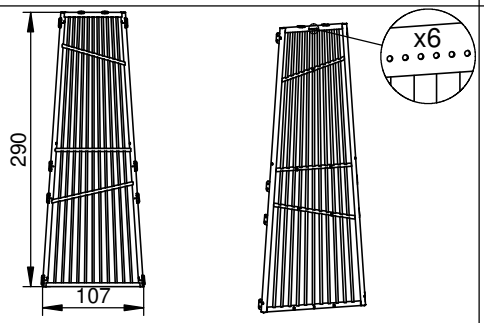
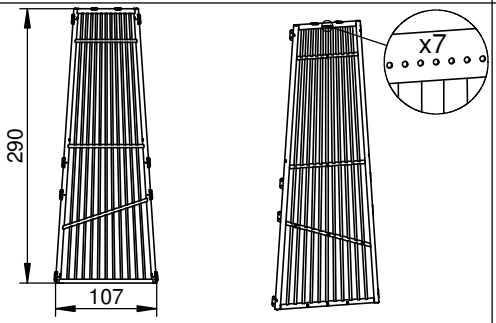
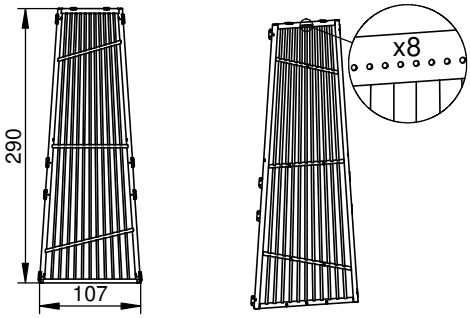
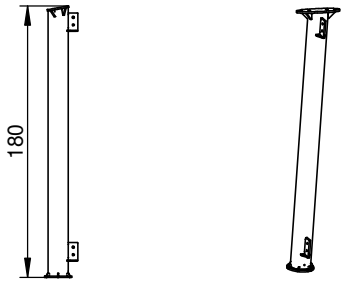
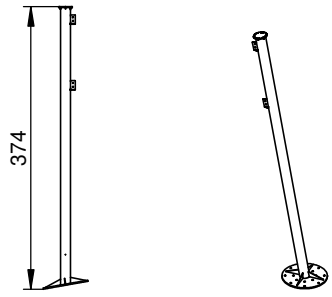
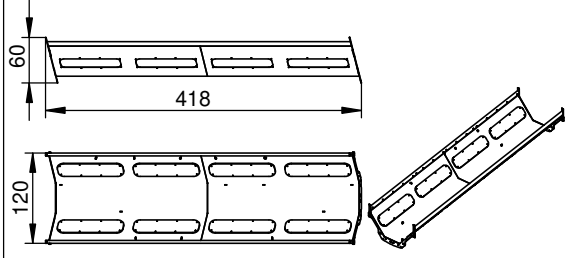
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E10		7
E11		1
E12		2

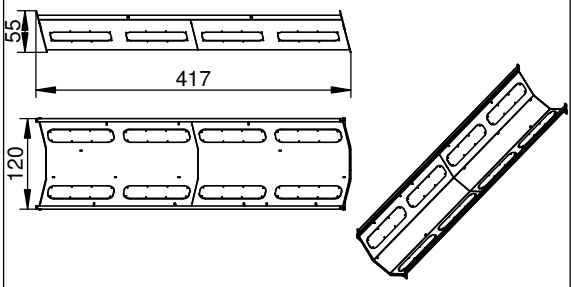
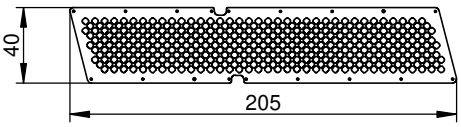
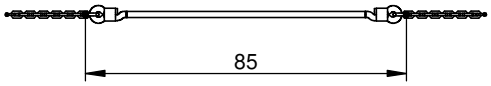
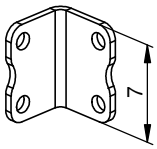
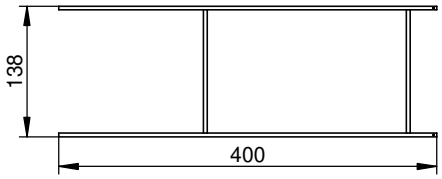
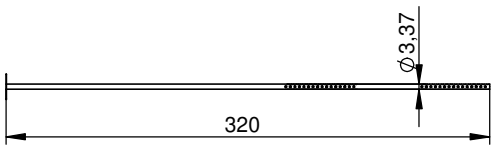
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E18		3

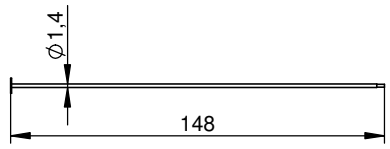
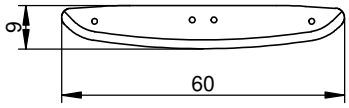
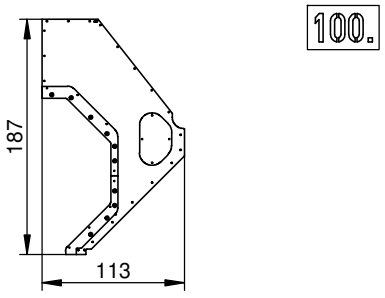
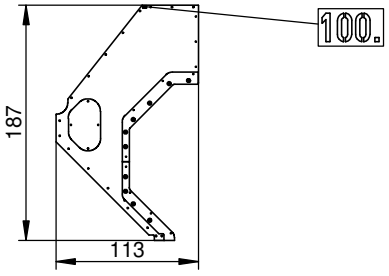
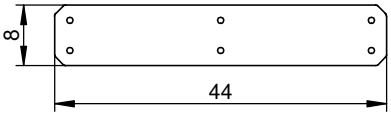
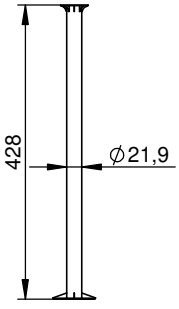
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E24		2

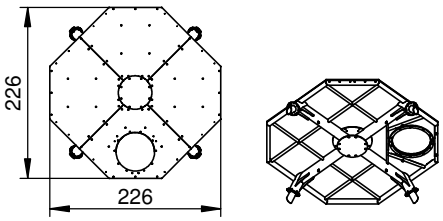
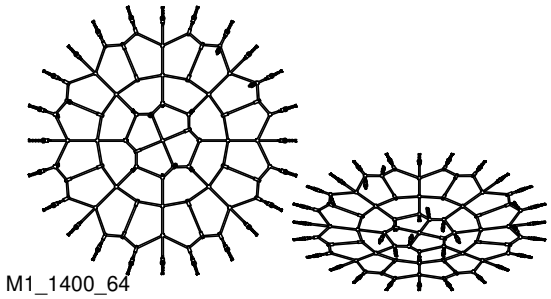
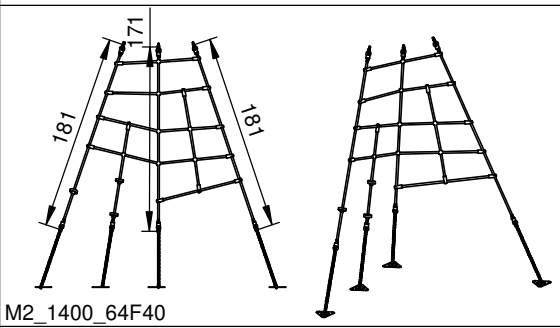
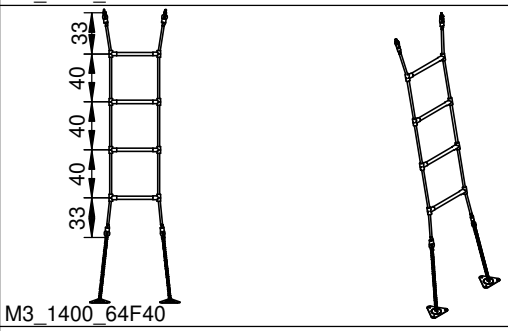
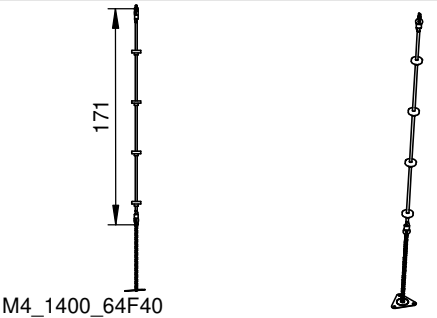
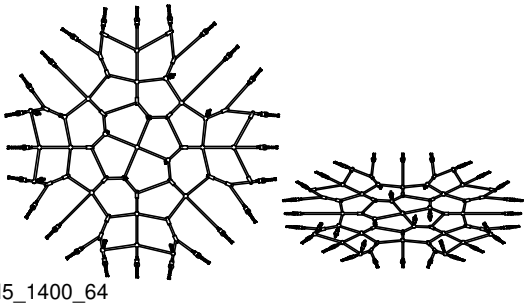
NR	ELEMENT	1433N
E25		2
E26		2
E27		8
E28		16
E29		2
E30		8

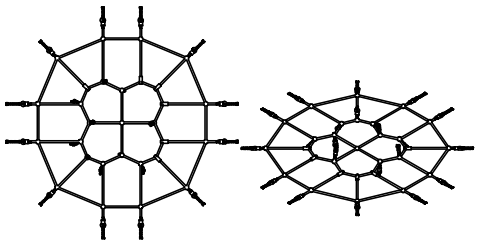
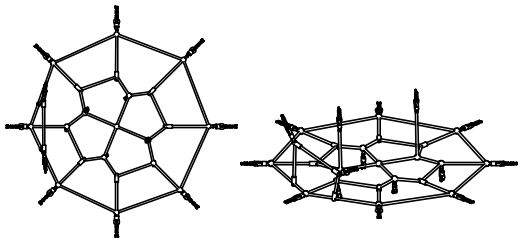
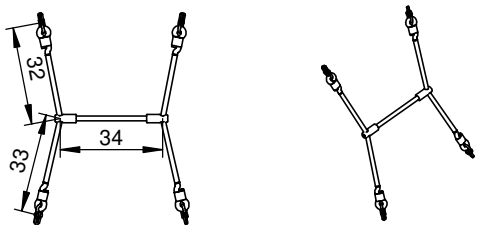
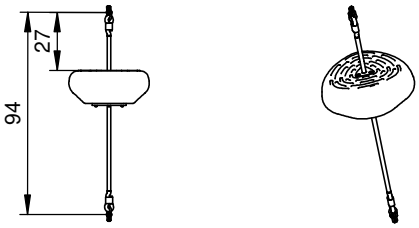
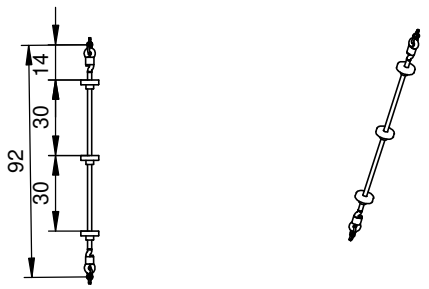
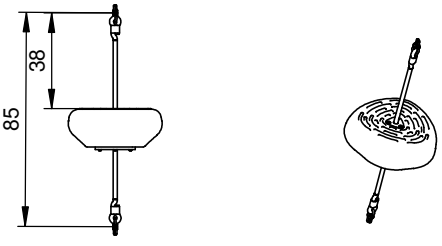
NR	ELEMENT	1433N
E31		2
E32		1
E33		1
E34		1
E35		1
E36		1

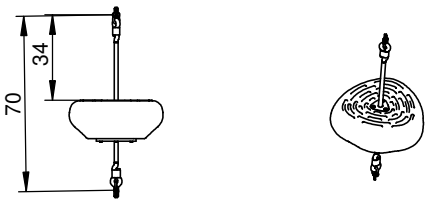
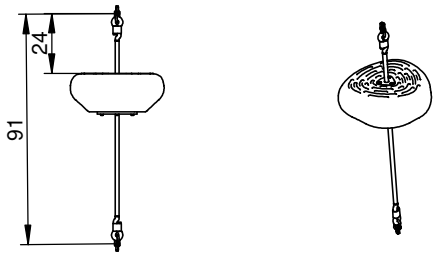
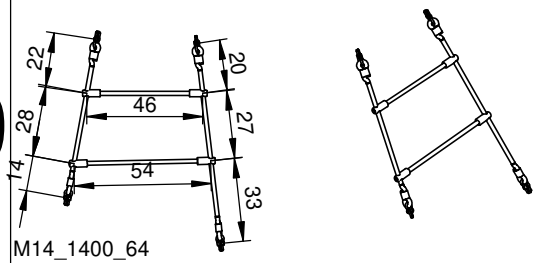
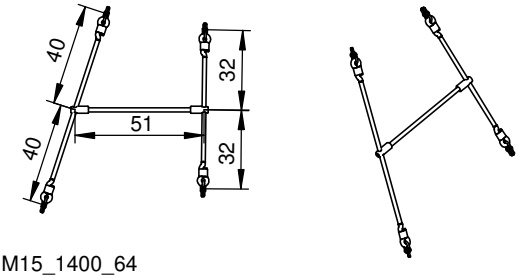
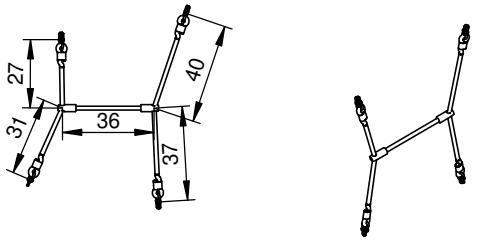
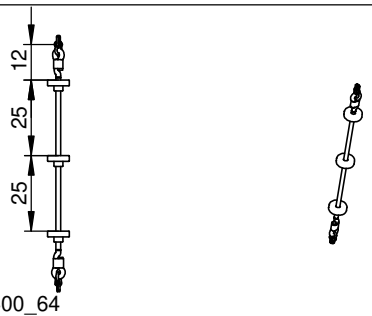
NR	ELEMENT	1433N
E37		1
E38		1
E39		1
E40		8
E41		8
E42		2

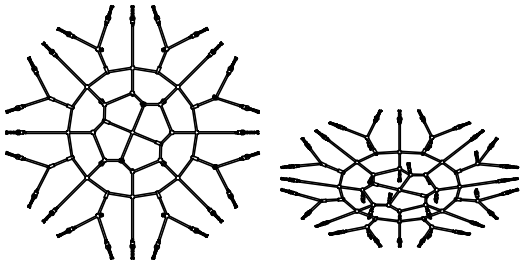
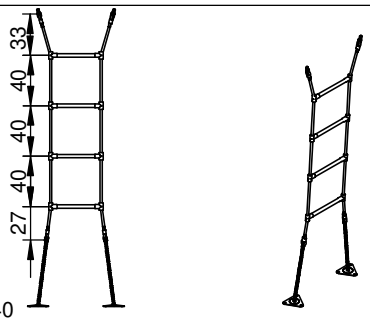
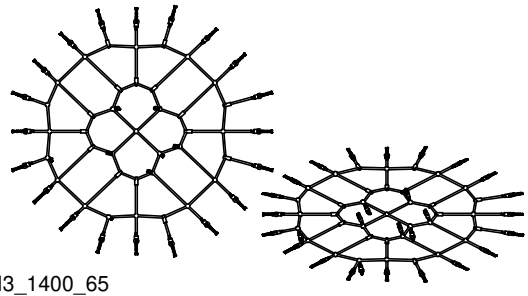
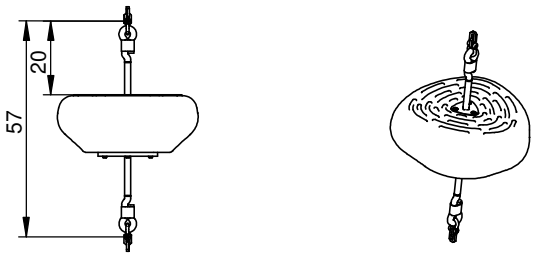
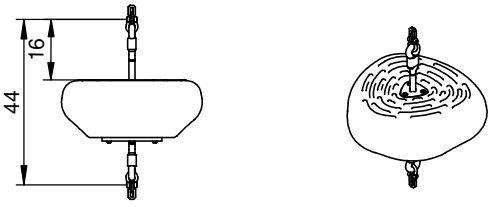
NR	ELEMENT	1433N
E43		2
E44		8
E45		28
E46		3
E47		1
E48		2

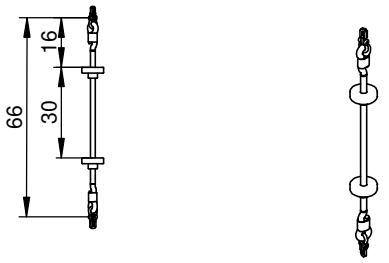
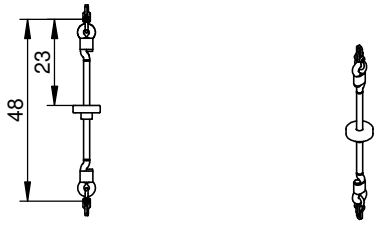
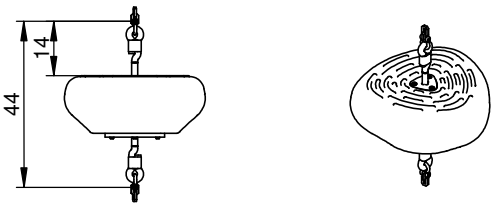
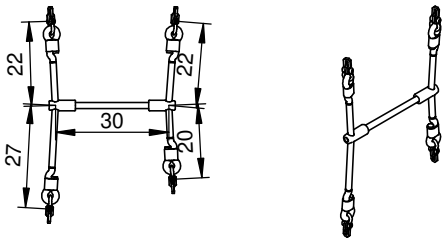
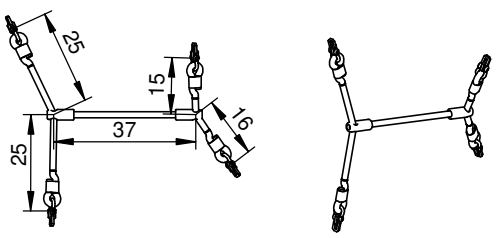
NR	ELEMENT	1433N
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E50		4
E51		3
E52		3
E53		4
E54		1

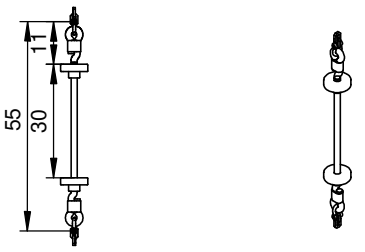
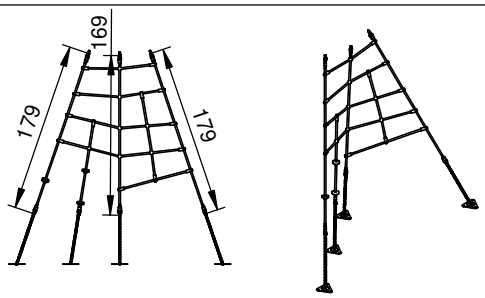
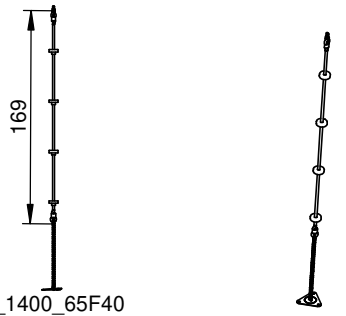
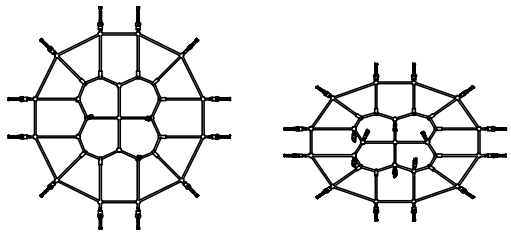
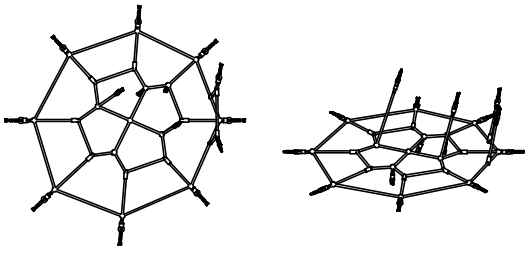
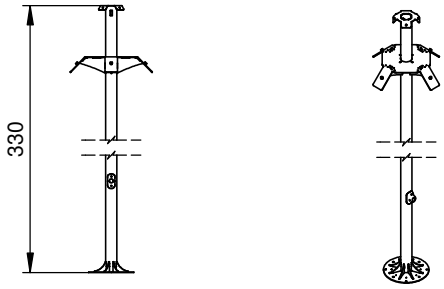
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E56		1
E57		2
E58		1
E59		2
E60		1

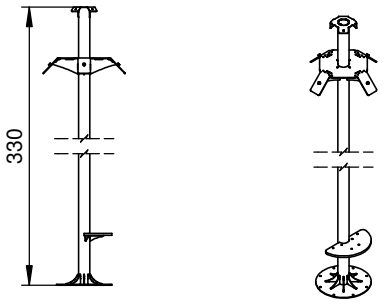
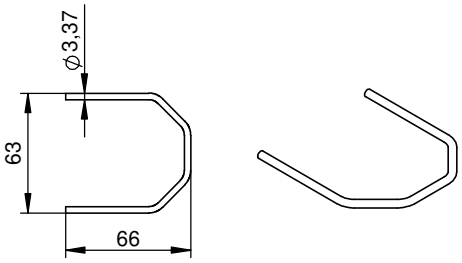
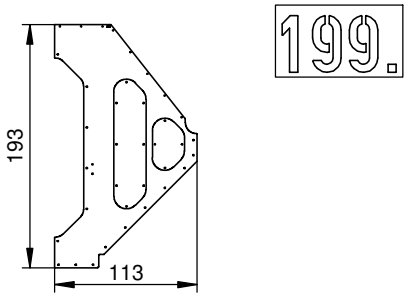
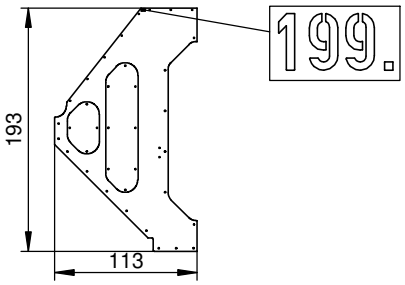
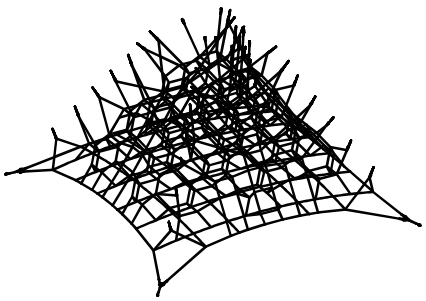
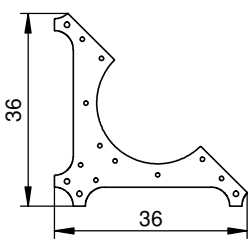
NR	ELEMENT	1433N
E61	 M6_1400_64	1
E62	 M7_1400_64	1
E63	 M8_1400_64	1
E64	 M9_1400_64	1
E65	 M10_1400_64	1
E66	 M11_1400_64	1

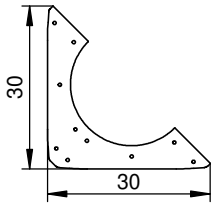
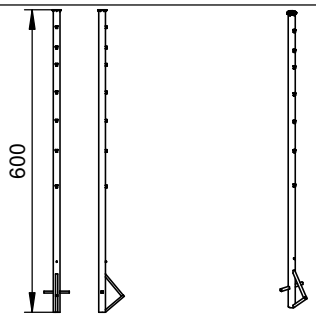
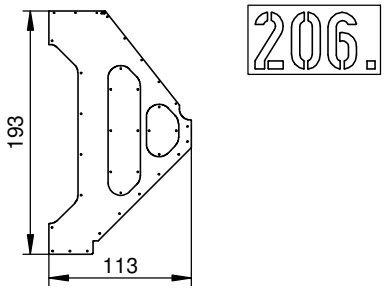
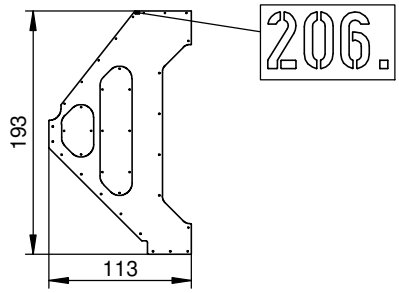
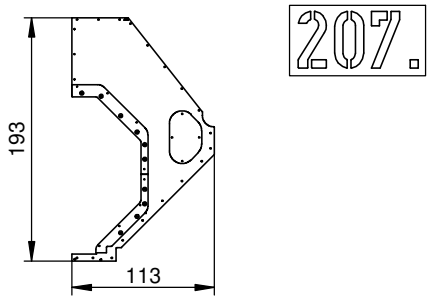
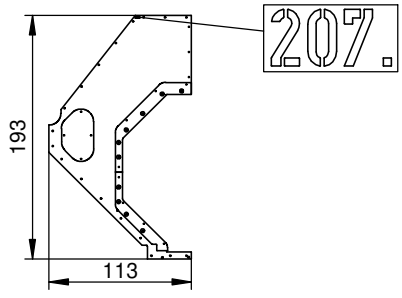
NR	ELEMENT	1433N
E67	 M12_1400_64	1
E68	 M13_1400_64	1
E69	 M14_1400_64	1
E70	 M15_1400_64	1
E71	 M16_1400_64	1
E72	 M17_1400_64	1

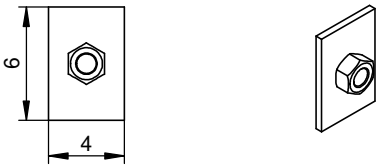
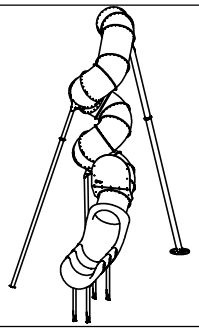
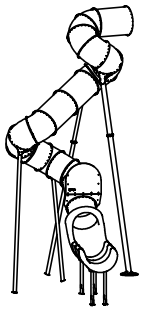
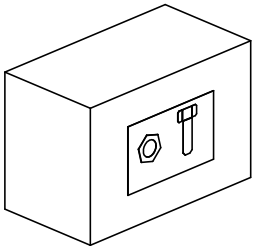
NR	ELEMENT	1433N
E73	 M18_1400_64	1
E74	 M1_1400_65	1
E75	 M2_1400_65F40	2
E76	 M3_1400_65	1
E77	 M4_1400_65	1
E78	 M5_1400_65	1

NR	ELEMENT	1433N
E79	 M6_1400_65	1
E80	 M7_1400_65	1
E81	 M8_1400_65	1
E82	 M9_1400_65	1
E83	 M10_1400_65	1
E84	 M11_1400_65	1

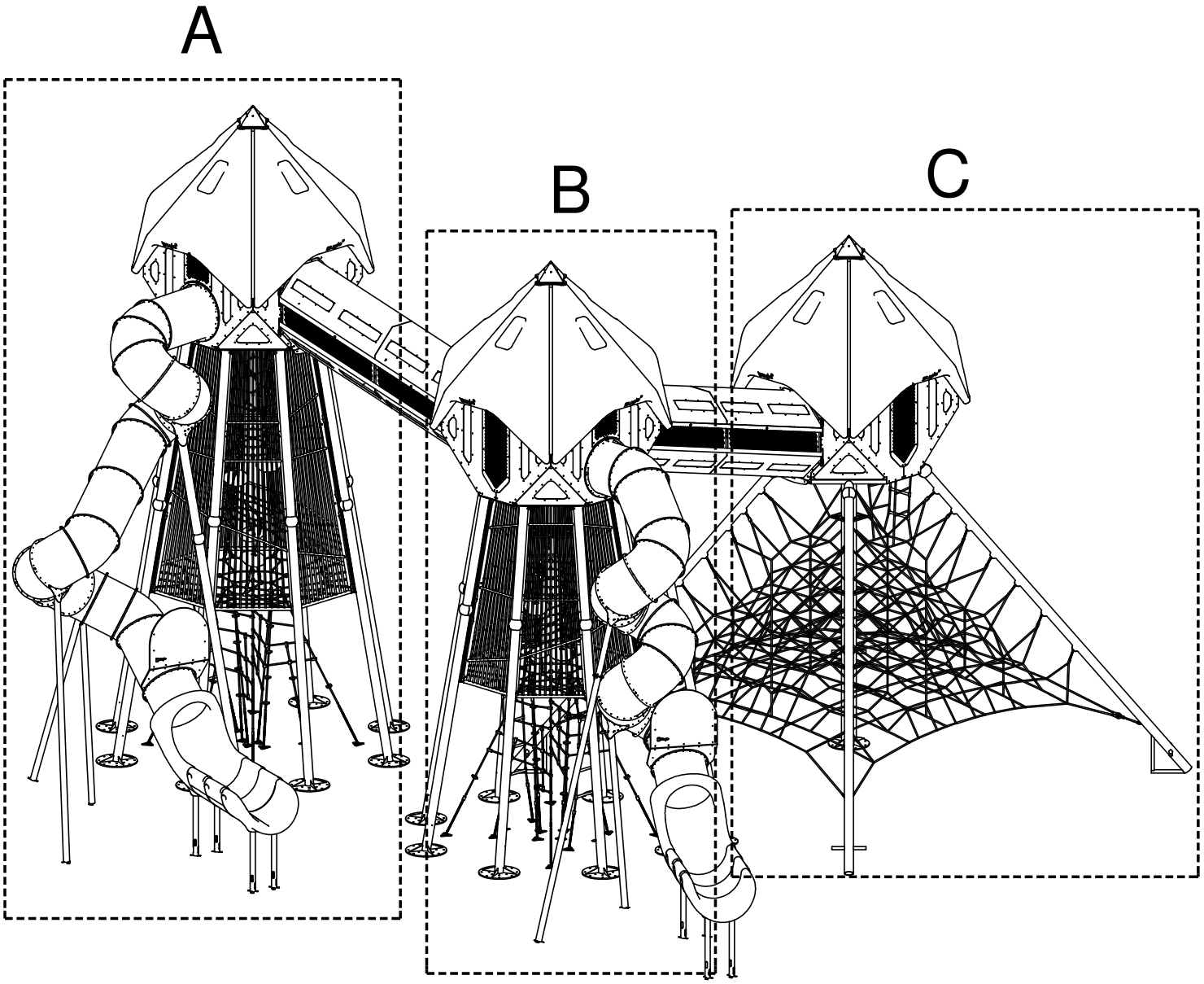
NR	ELEMENT	1433N
E85	 M12_1400_65	1
E86	 M13_1400_65F40	2
E87	 M14_1400_65F40	2
E88	 M15_1400_65	1
E89	 M16_1400_65	1
E90		2

NR	ELEMENT	1433N
E91		1
E92		1
E93		1
E94		1
E95		1
E96		6

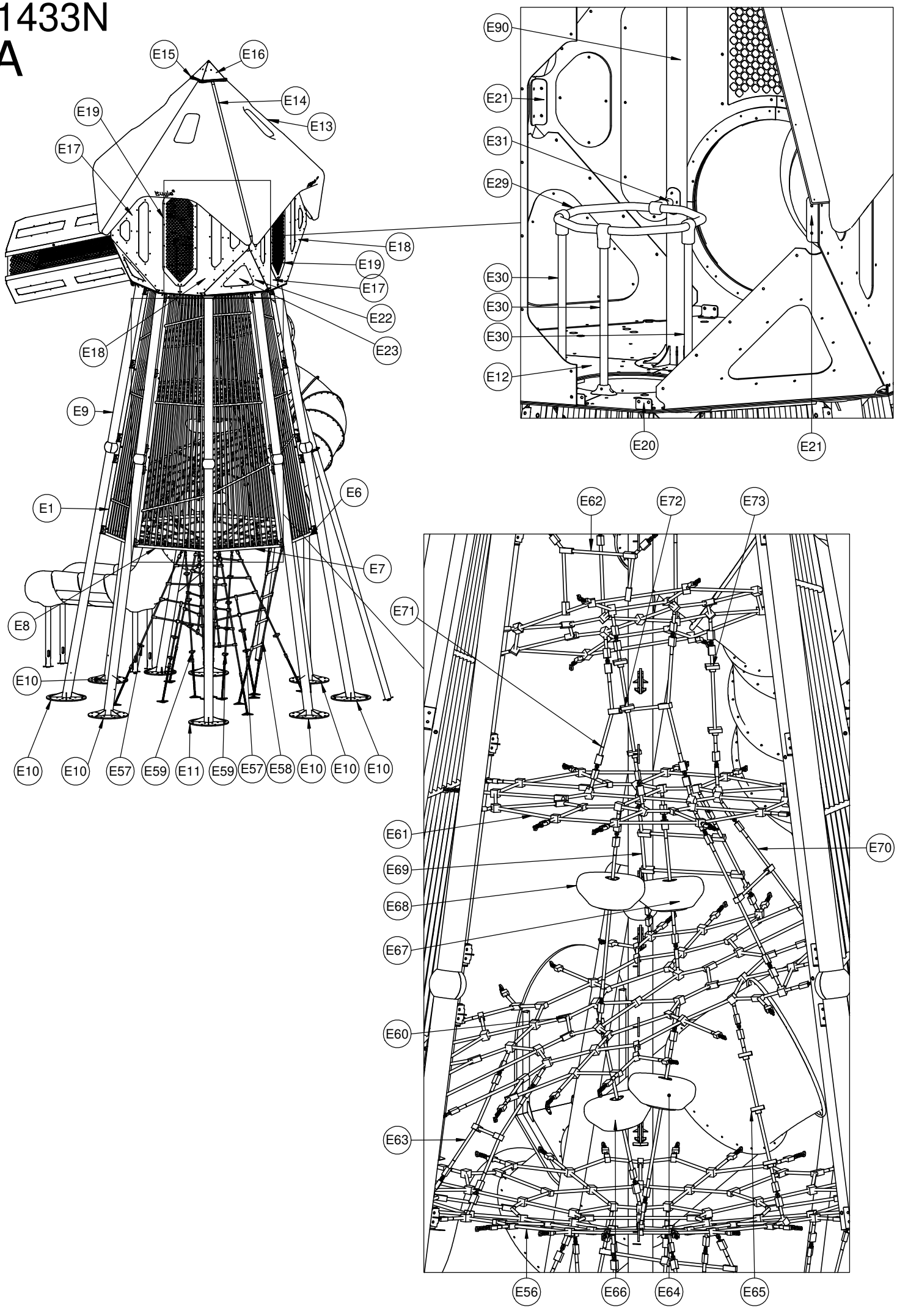
NR	ELEMENT	1433N
E97		6
E98		4
E99		2
E100		2
E101		1
E102		1

NR	ELEMENT	1433N
E103		1
E104		1
E105		1
E106		1

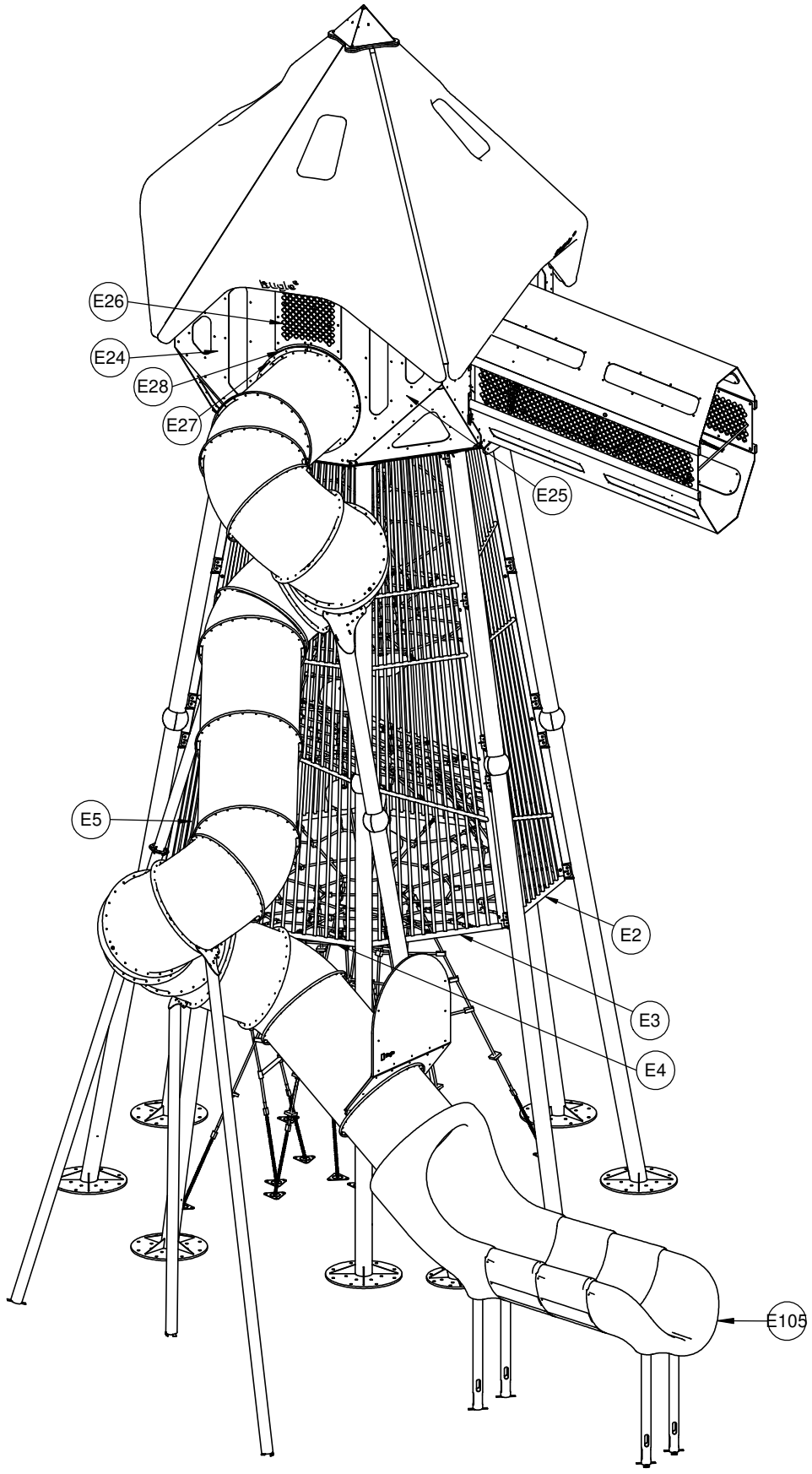
1433N



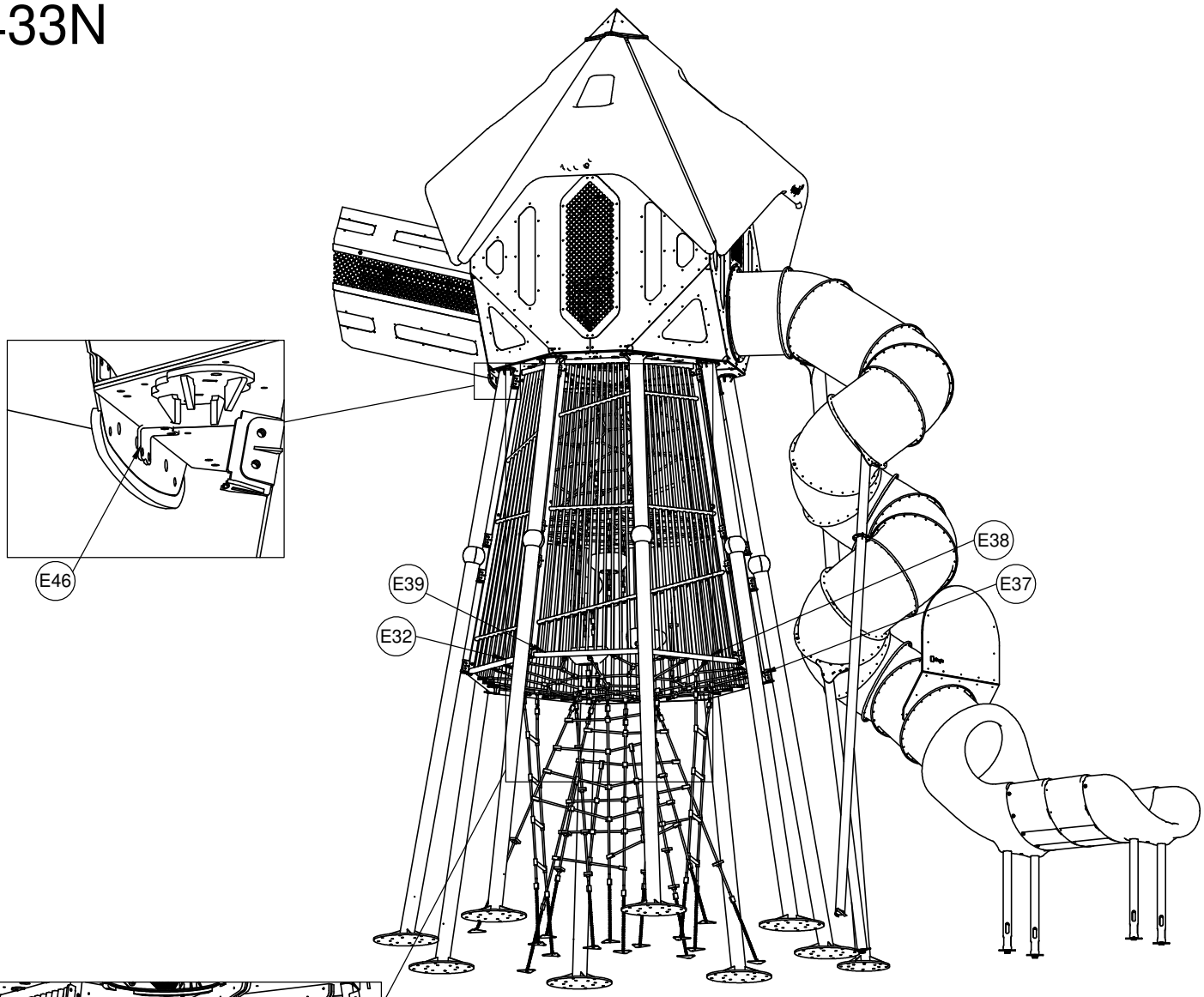
1433N
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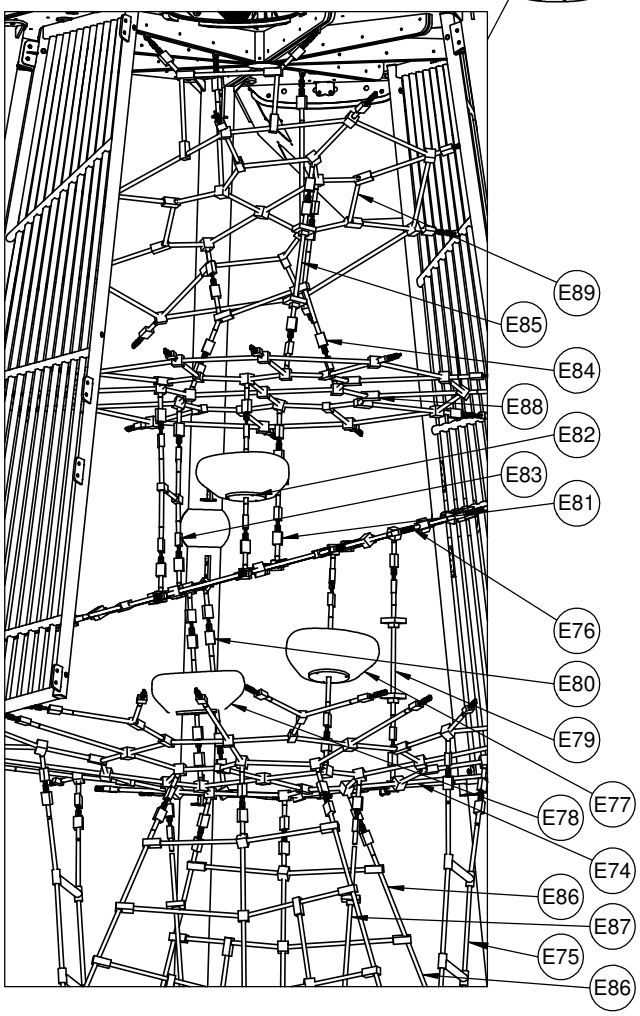

E15
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1433N
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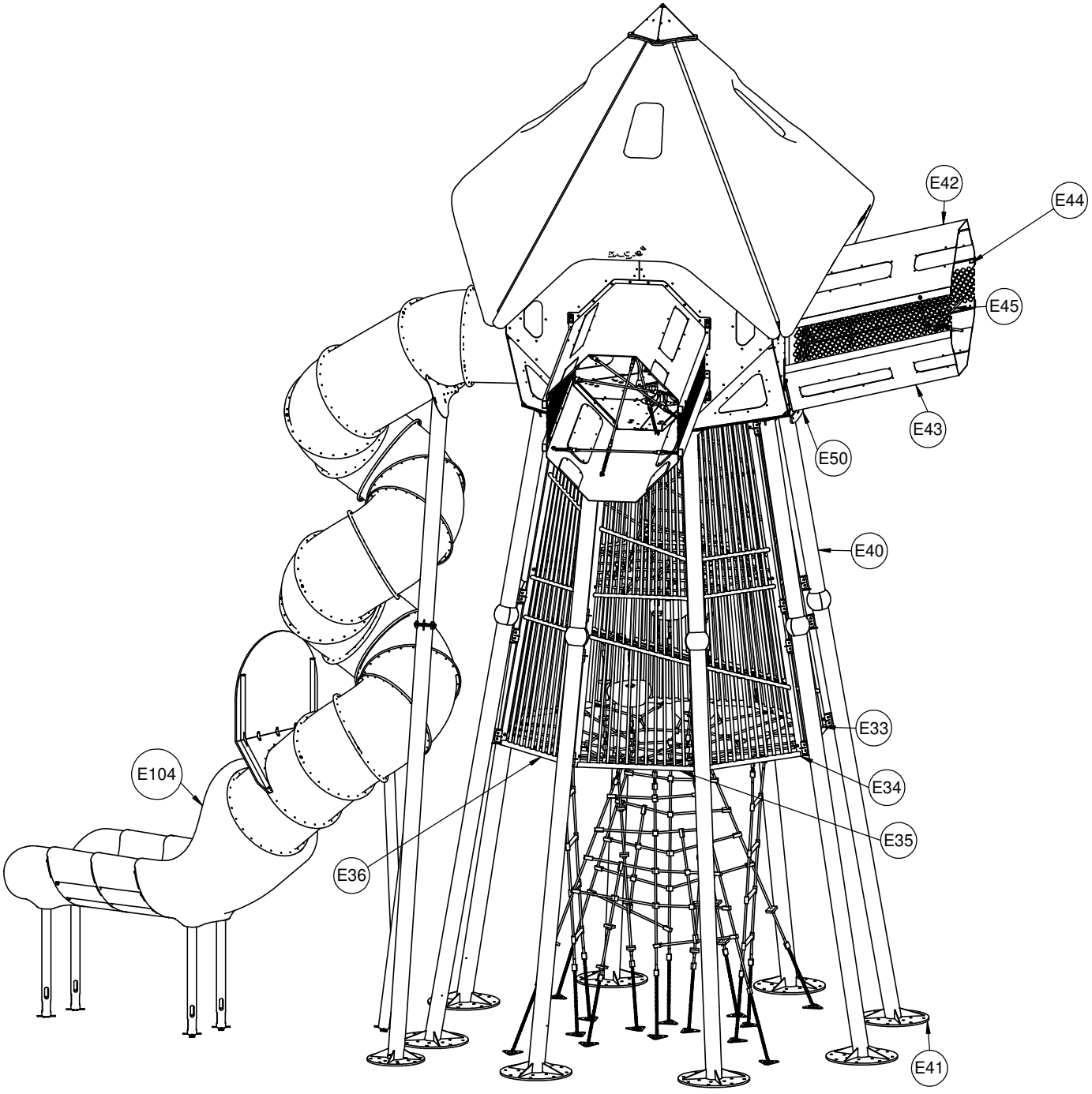


1433N
B


E46
E39
E32
E38
E37

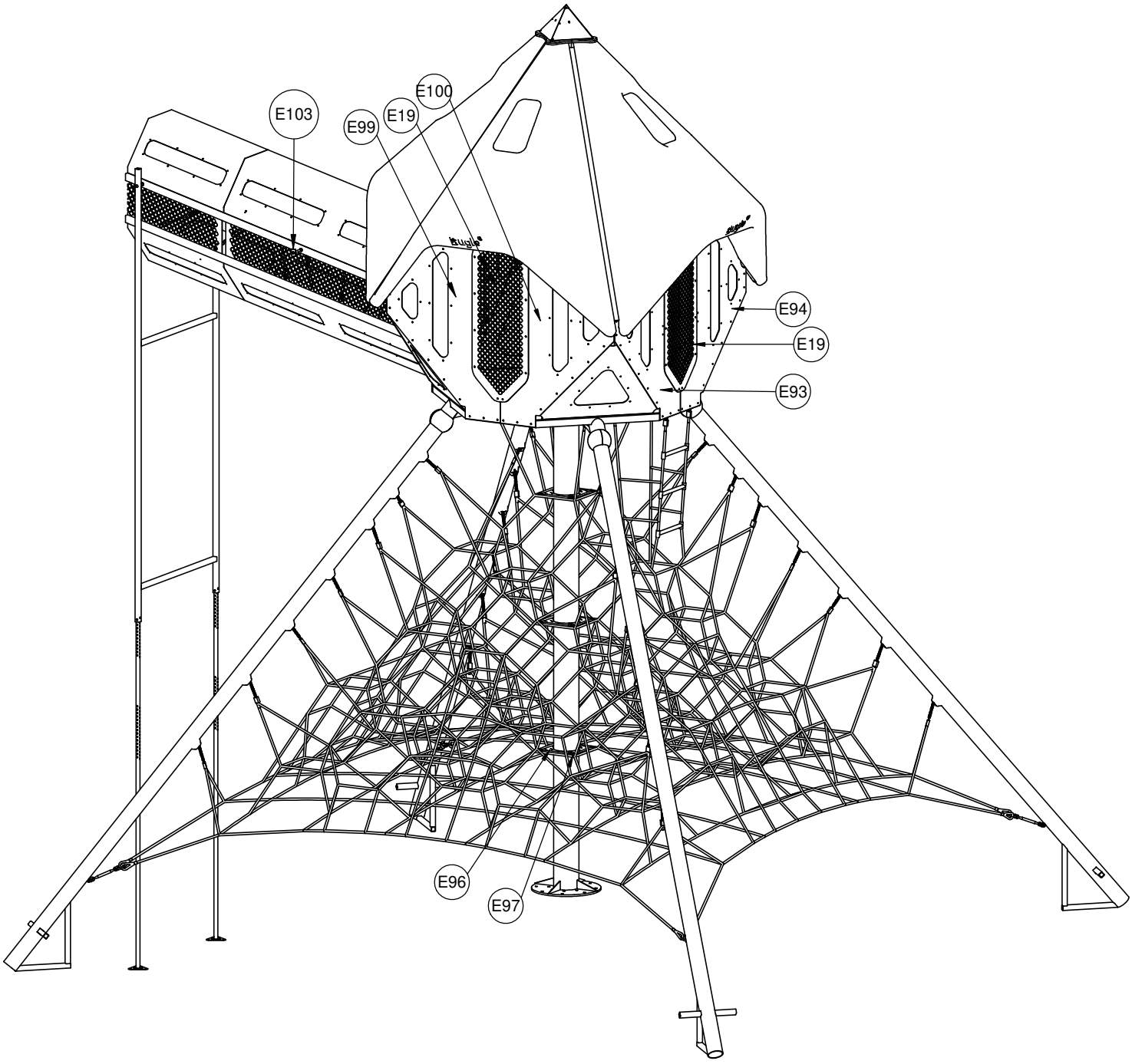

E89
E85
E84
E88
E82
E83
E81
E76
E80
E79
E77
E78
E74
E86
E87
E75
E86

1433N
B

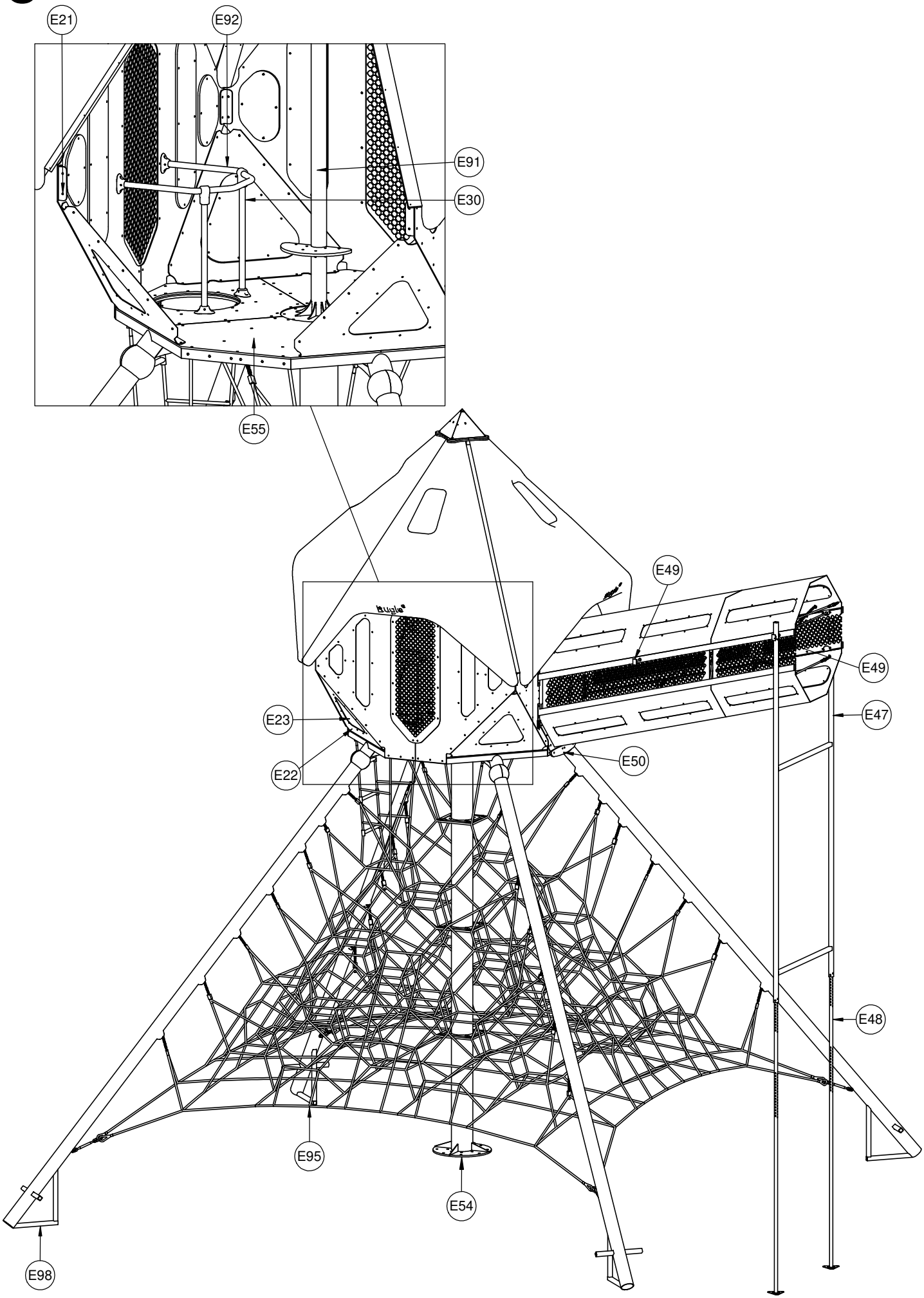


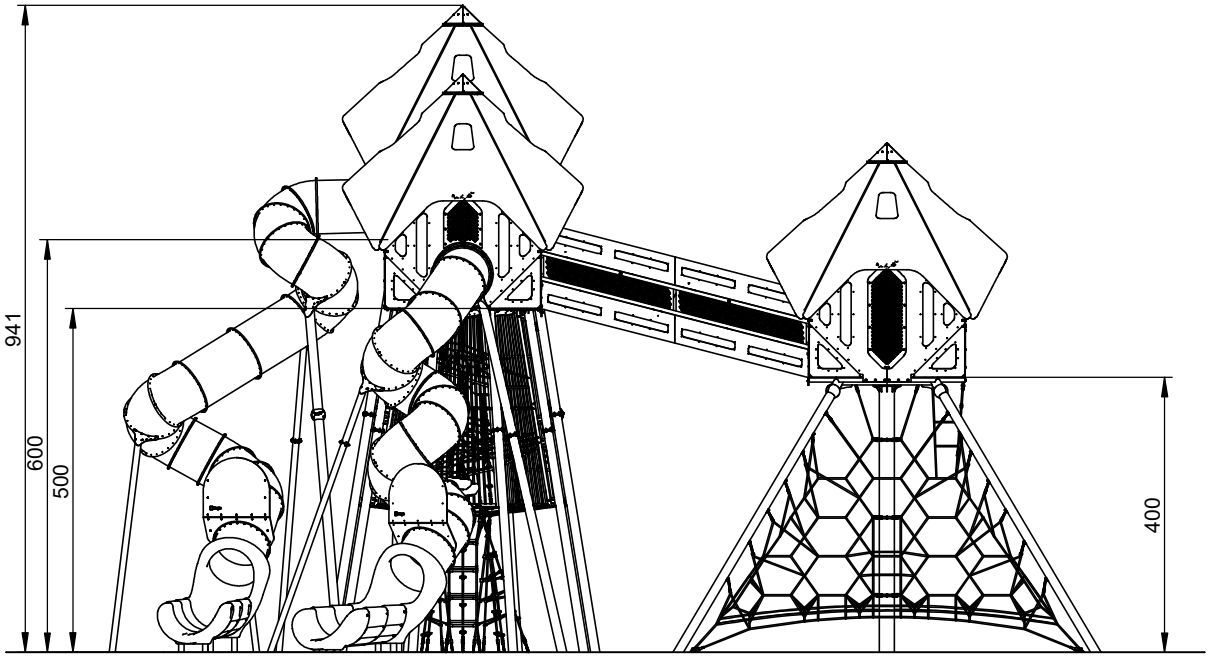
1433N

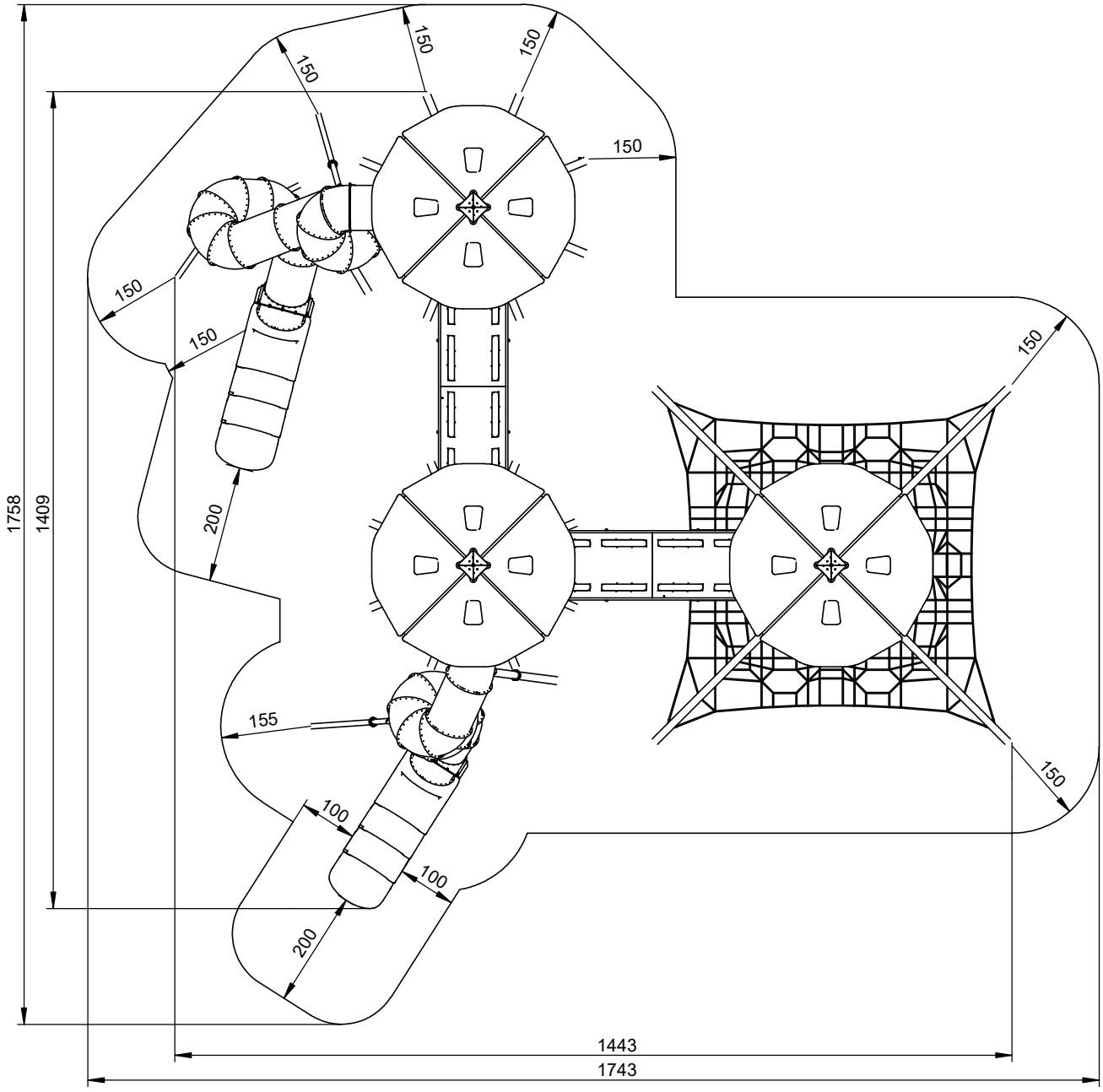
C



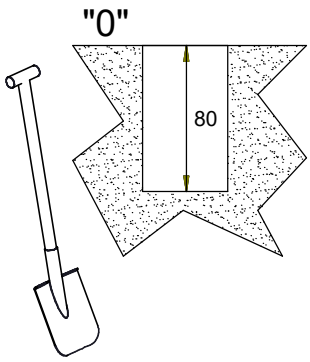
1433N
C

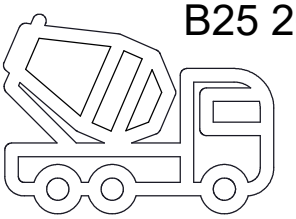


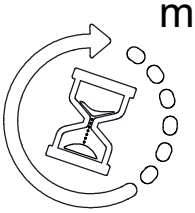

941
600
500
400

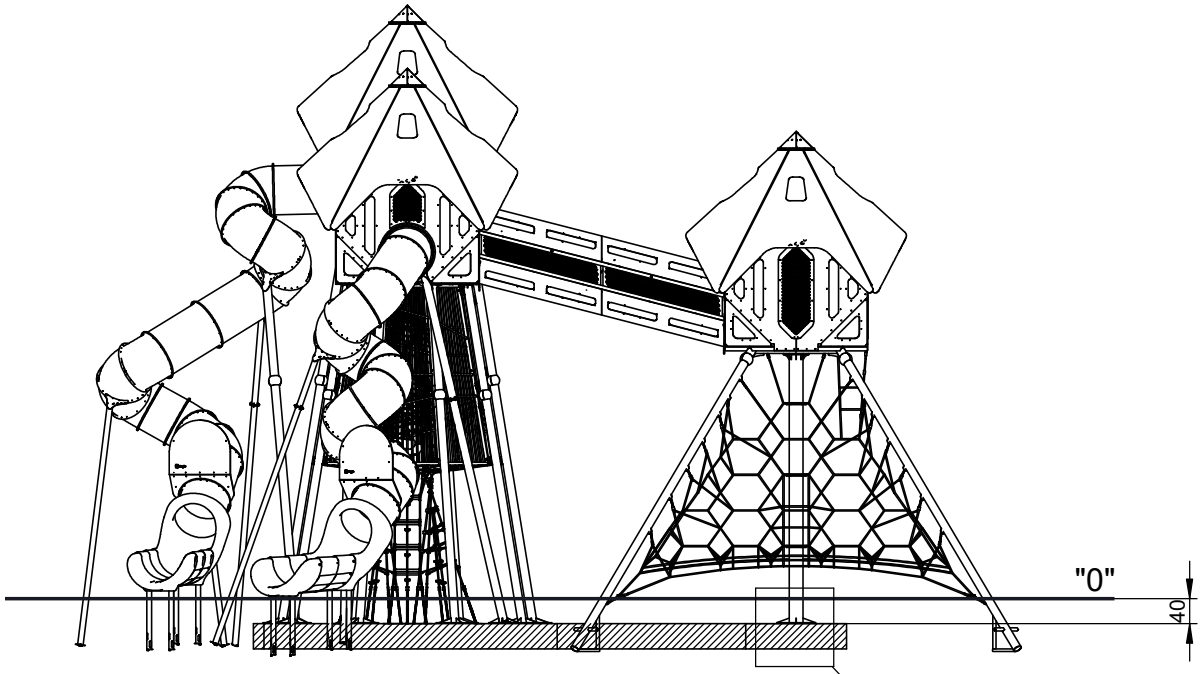

150
150
150
150
150
150
150
150
150
150
1758
1409
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155
100
100
200
1443
1743

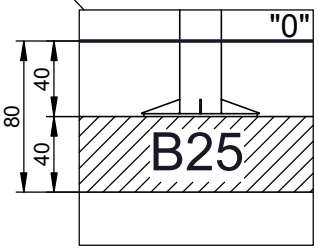
1433N


"0"
80


B25 20,5 m3

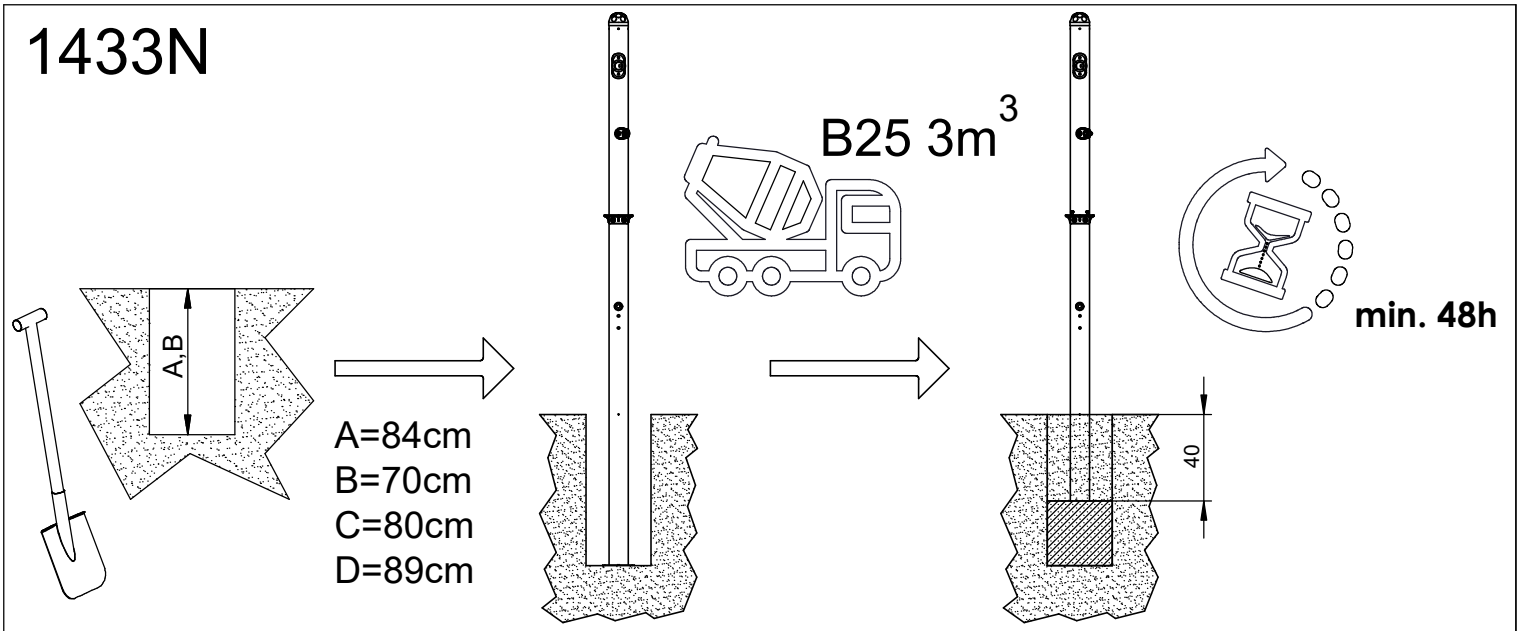

min. 48h

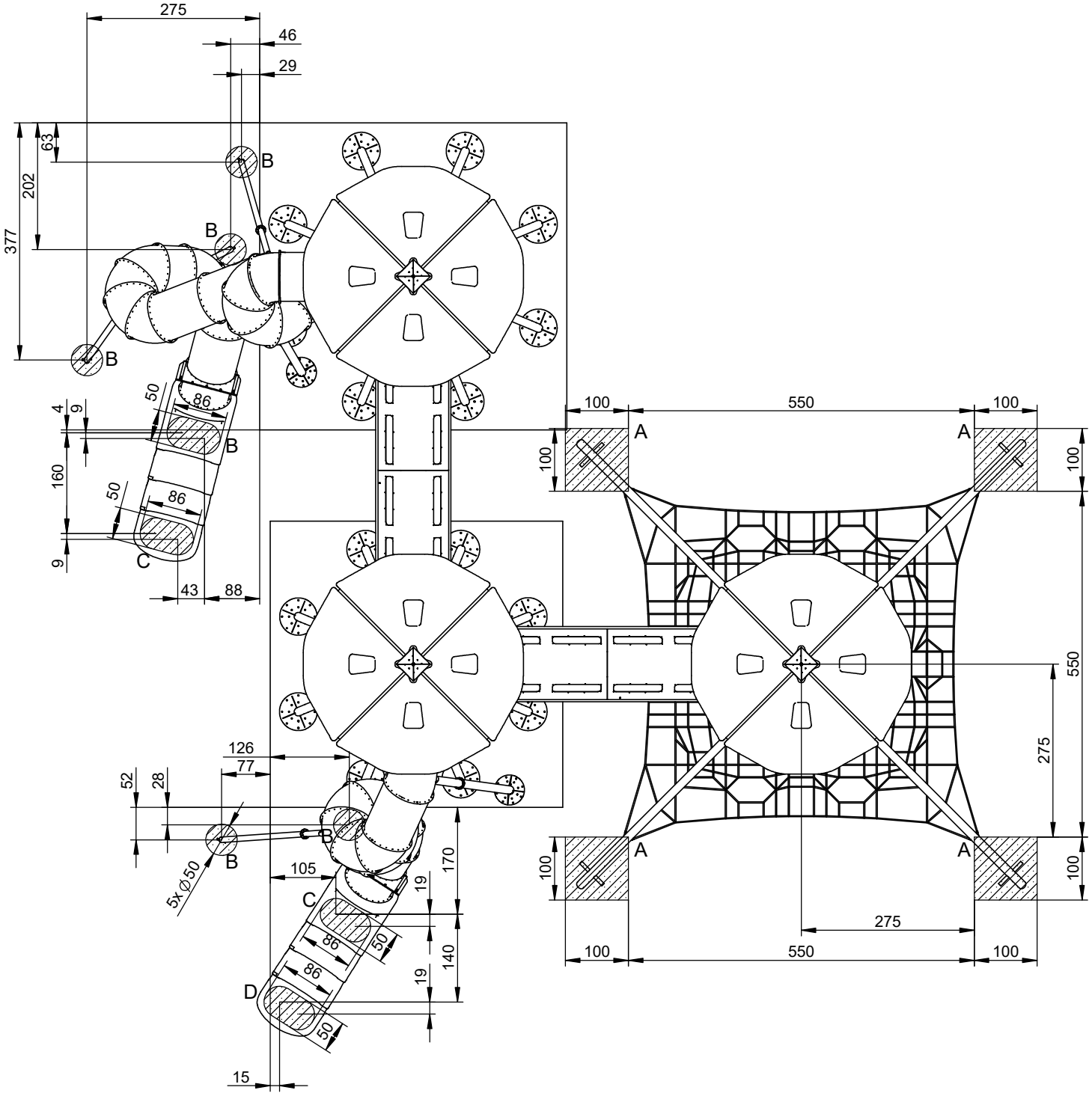

"0"
40


"0"
80
40
40
B25

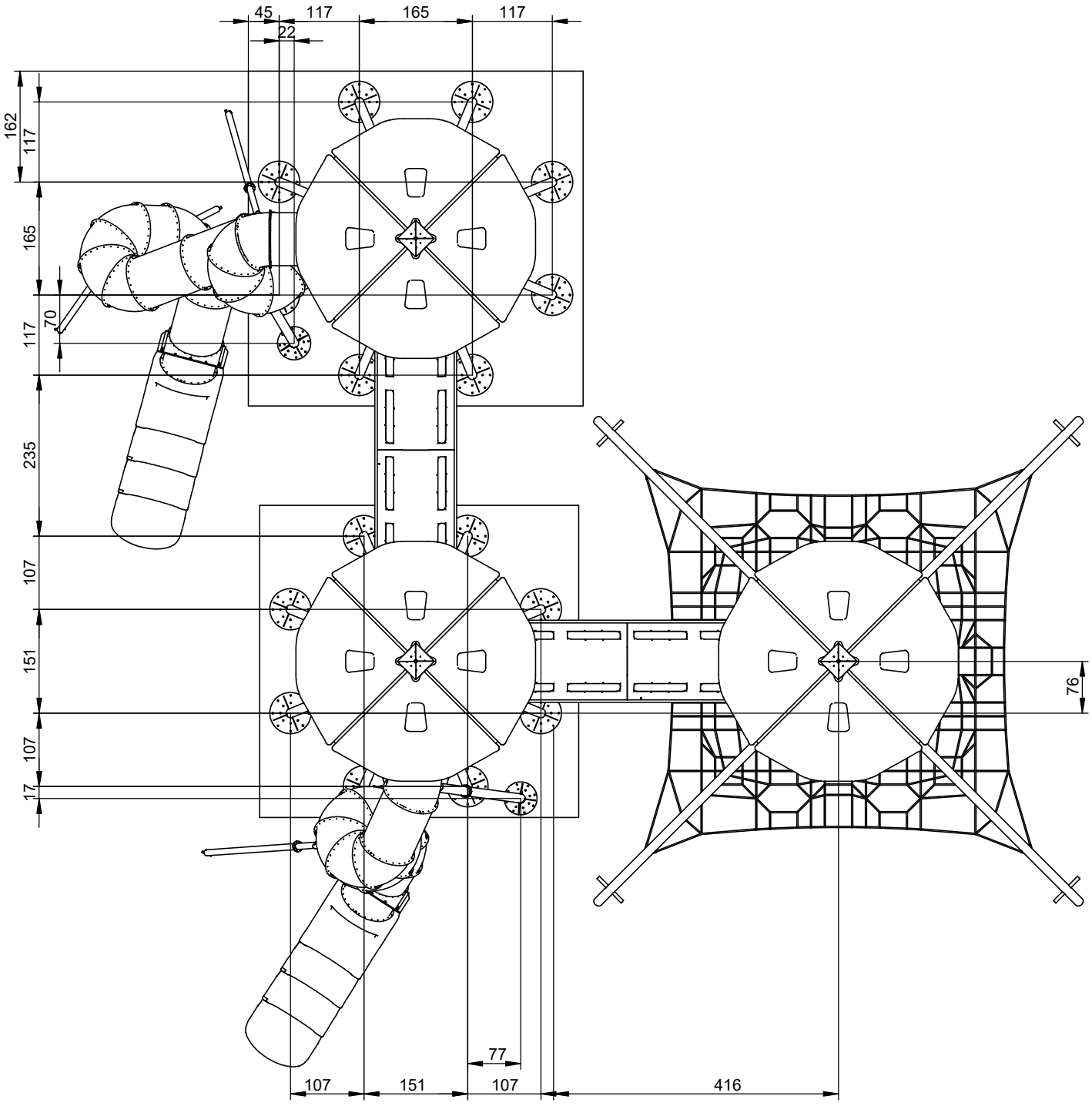
488
204
204
488
145
188
455
188
160
188
198
465
299
160

1433N

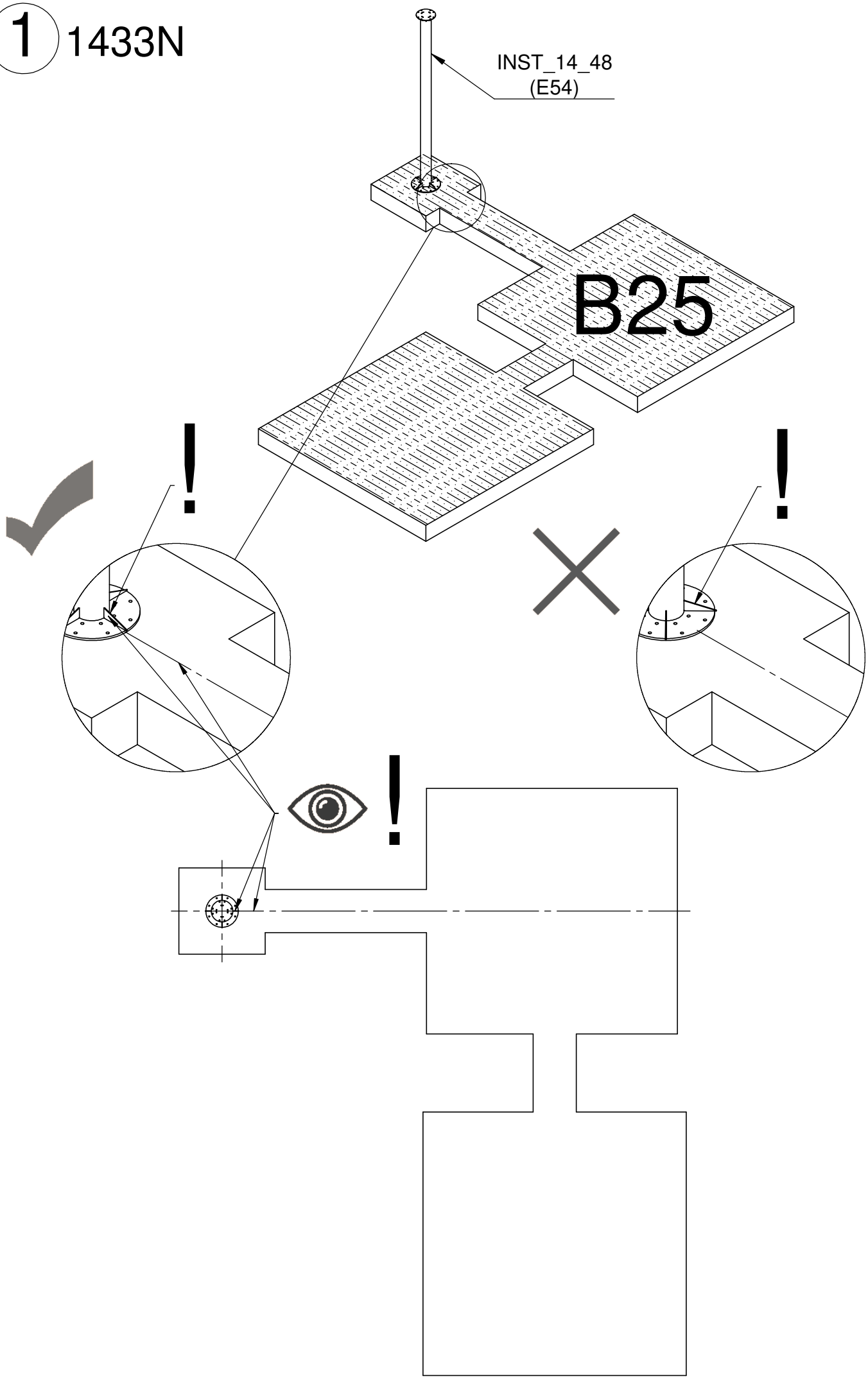

A,B
A=84cm
B=70cm
C=80cm
D=89cm
B25 3m3
min. 48h
40


275
46
29
63
202
377
B
B
B
B
4
9
160
9
50
86
50
86
C
43
88
100
550
100
A
A
100
100
550
275
100
A
A
100
275
100
550
100
126
77
52
28
B
B
C
5x ⌀50
105
170
19
C
50
86
86
140
19
D
50
15

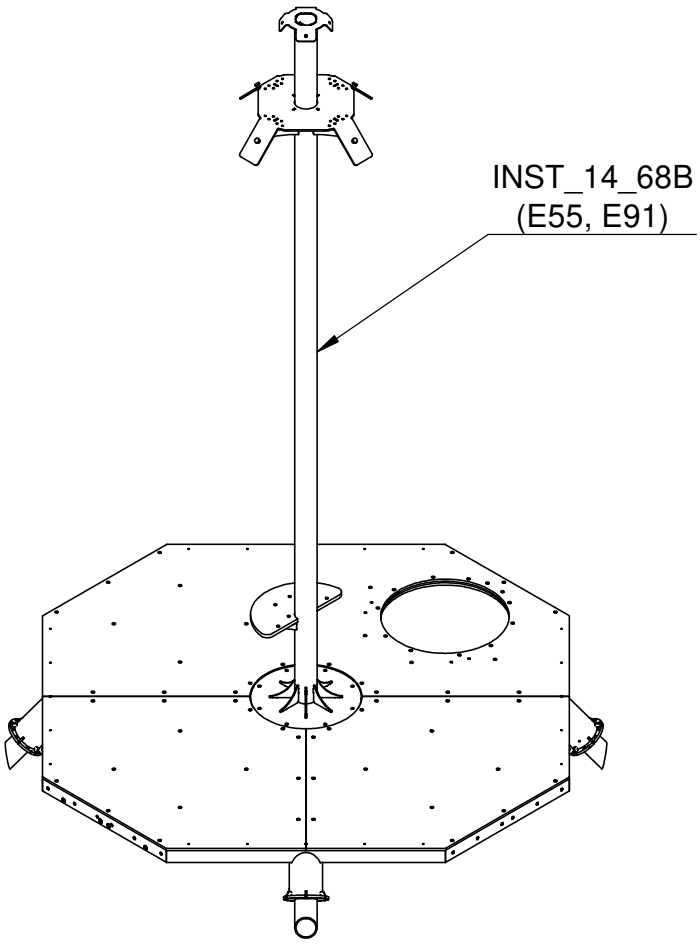
1433N

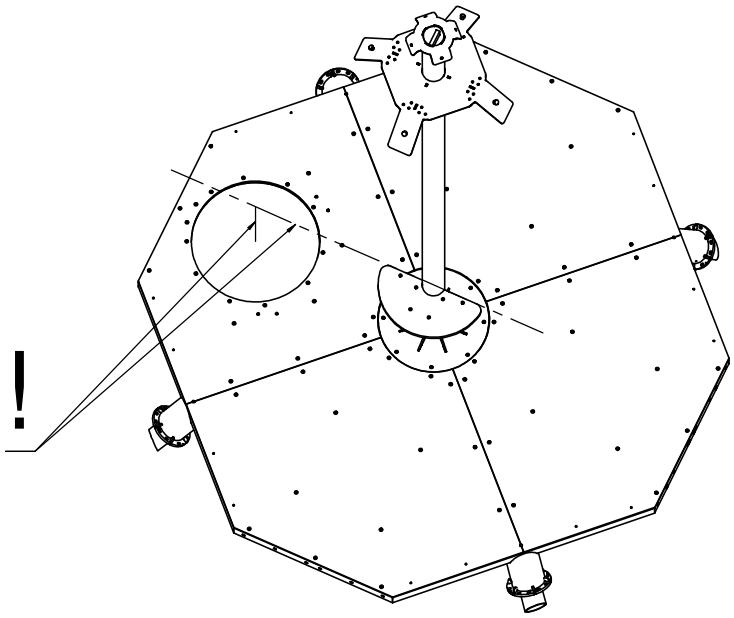

45
117
165
117
22
162
117
165
70
117
235
107
151
107
17
76
77
107
151
107
416

1 1433N

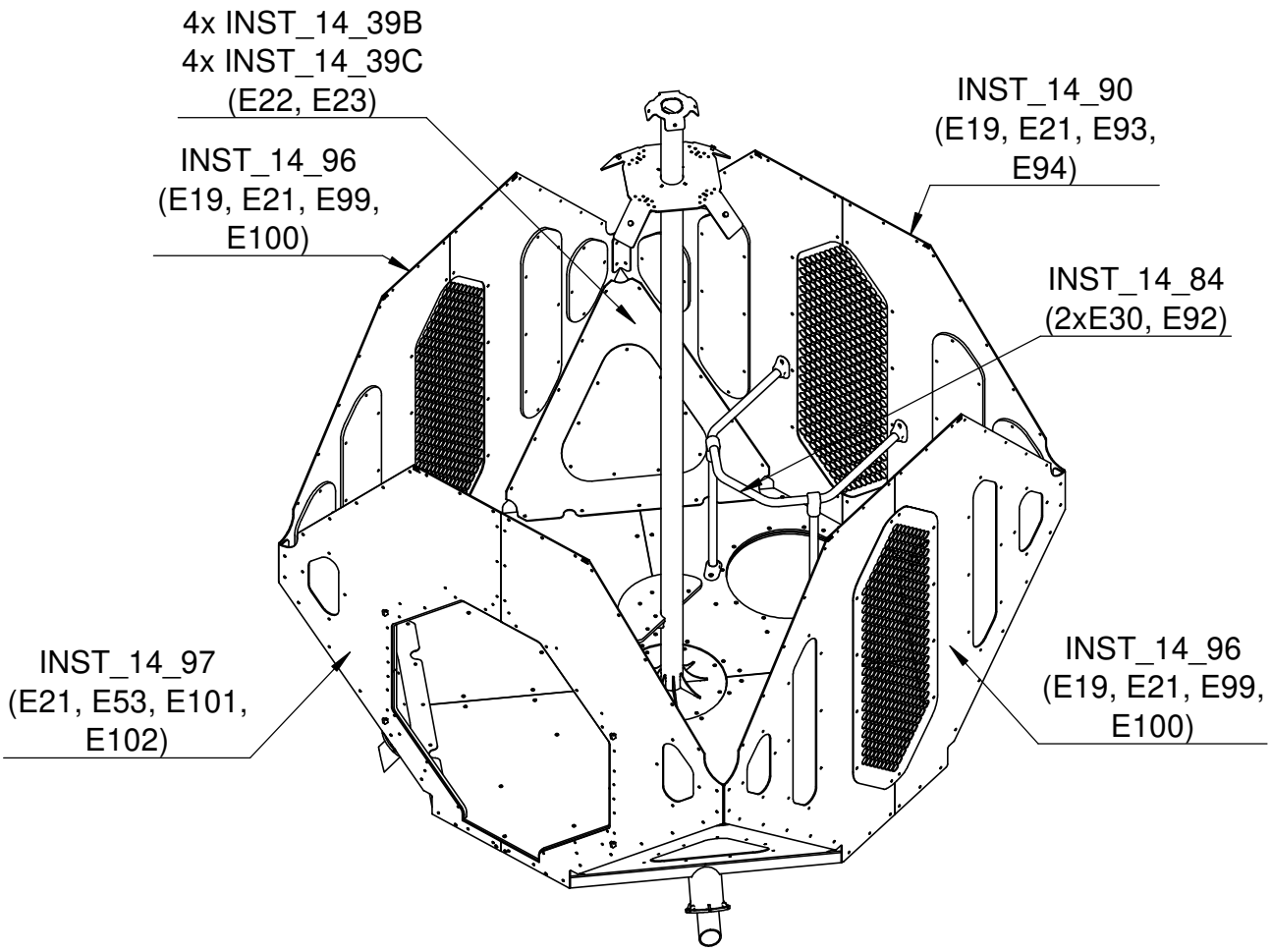


2 1433N

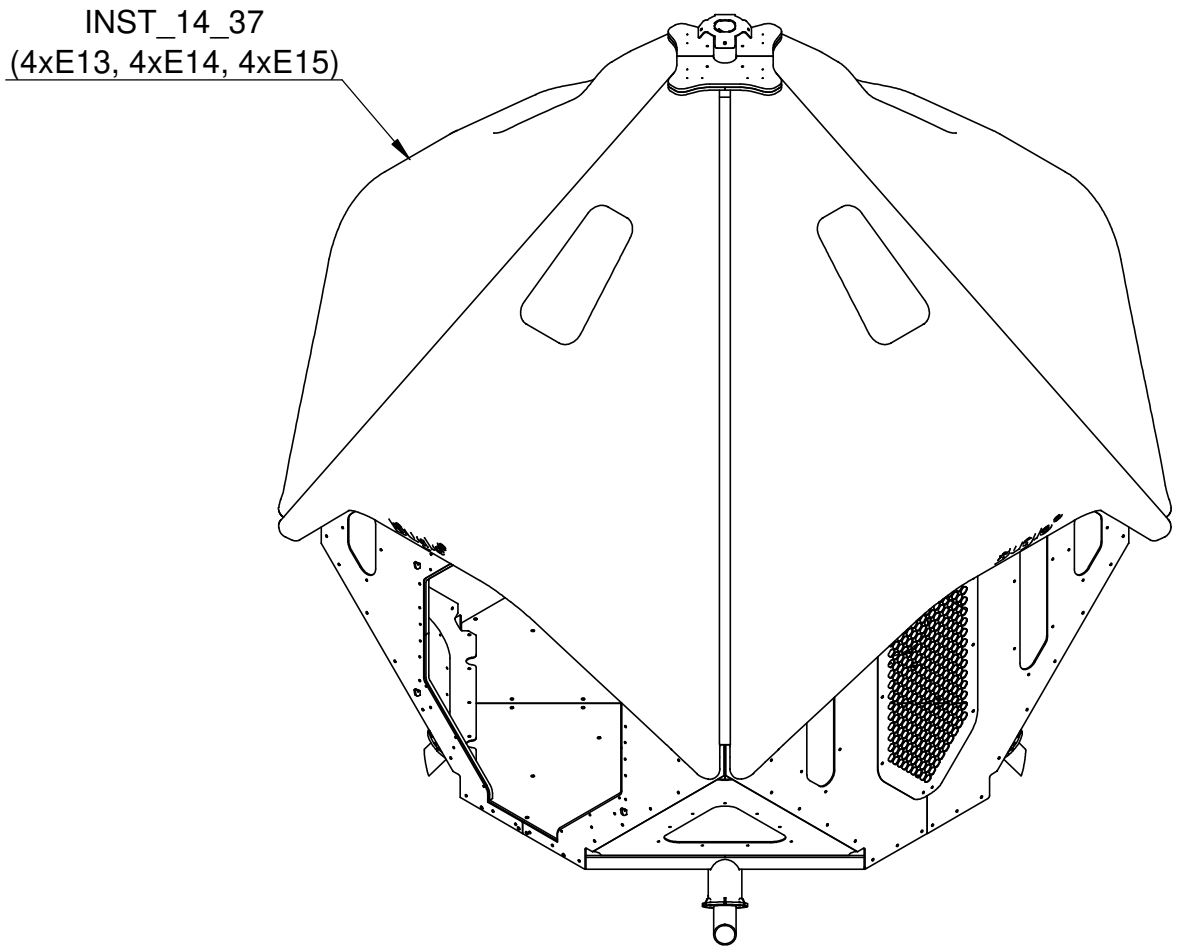




3 1433N


4x INST_14_39B
4x INST_14_39C
(E22, E23)
INST_14_90
(E19, E21, E93,
E94)
INST_14_96
(E19, E21, E99,
E100)
INST_14_84
(2xE30, E92)
INST_14_97
(E21, E53, E101,
E102)
INST_14_96
(E19, E21, E99,
E100)

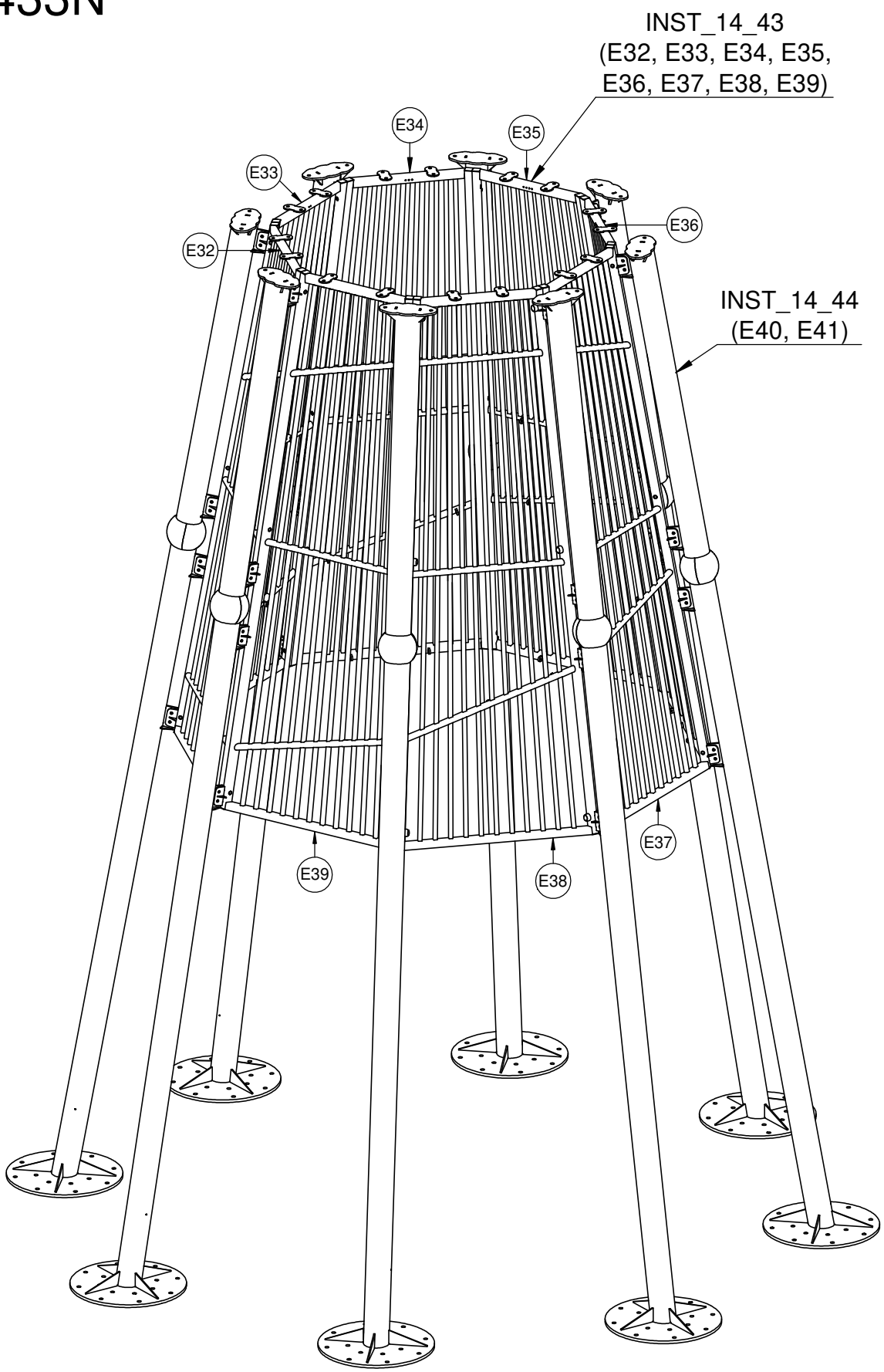
4 1433N



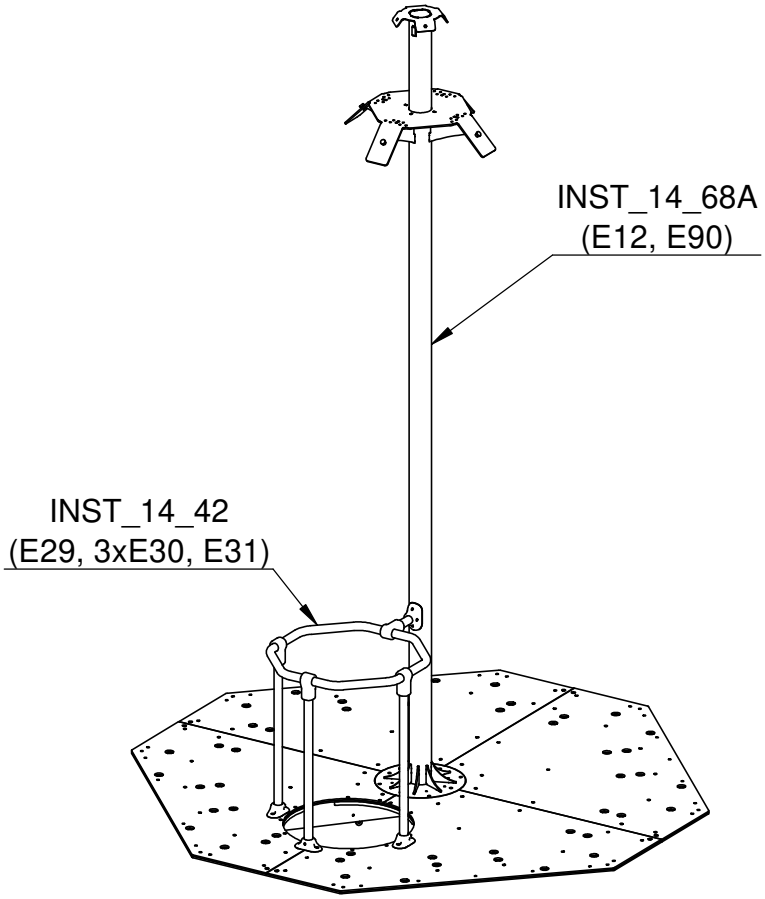
5 1433N



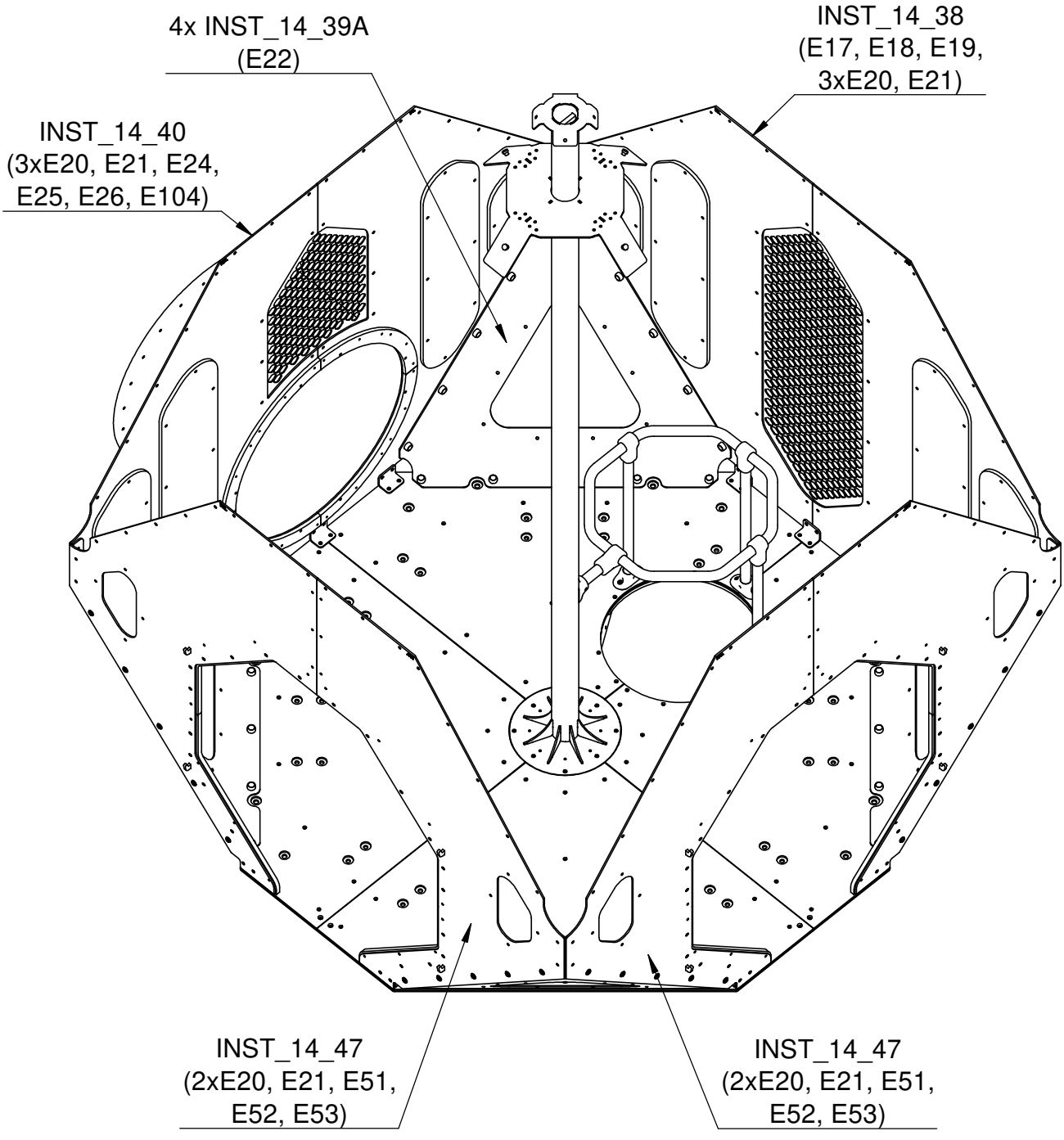
6 1433N


INST_14_43
(E32, E33, E34, E35,
E36, E37, E38, E39)
E34
E35
E33
E36
E32
INST_14_44
(E40, E41)
E37
E39
E38

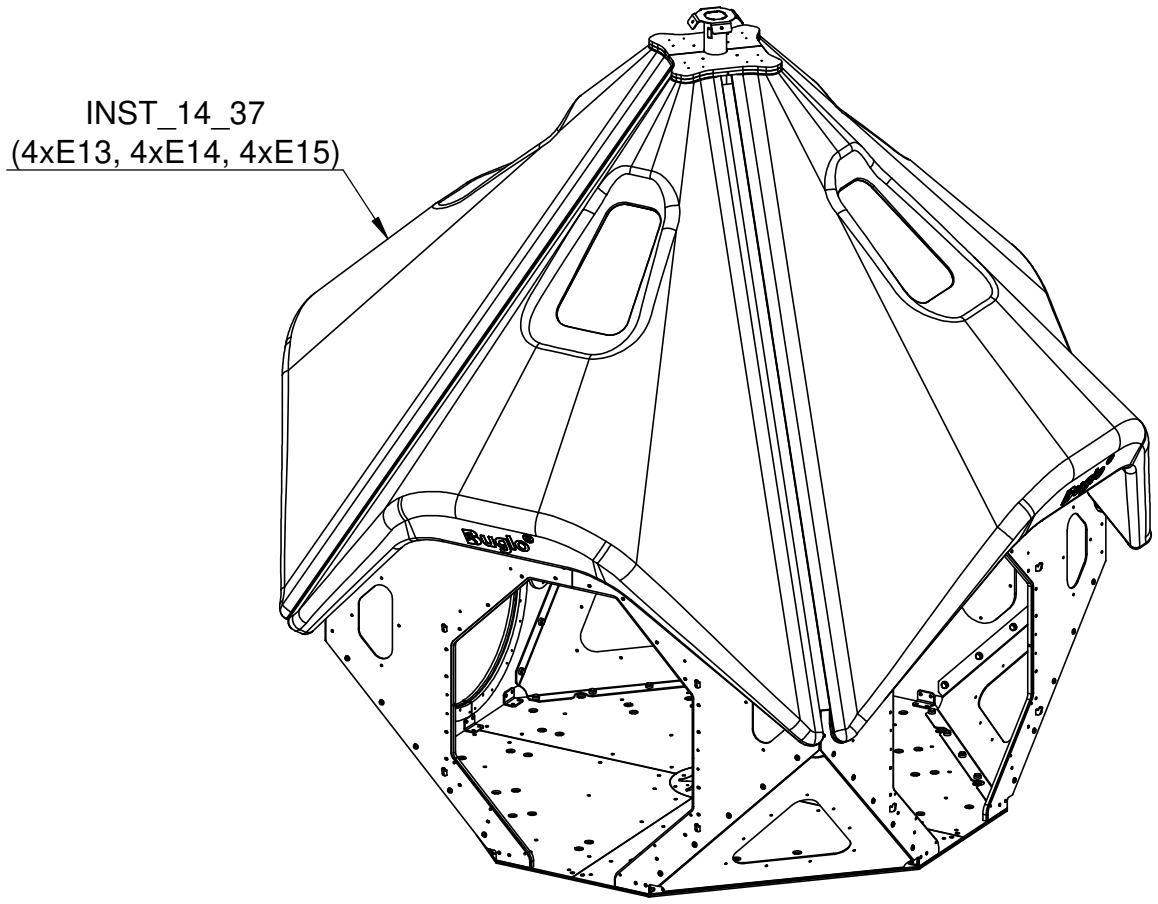
7 1433N



8 1433N

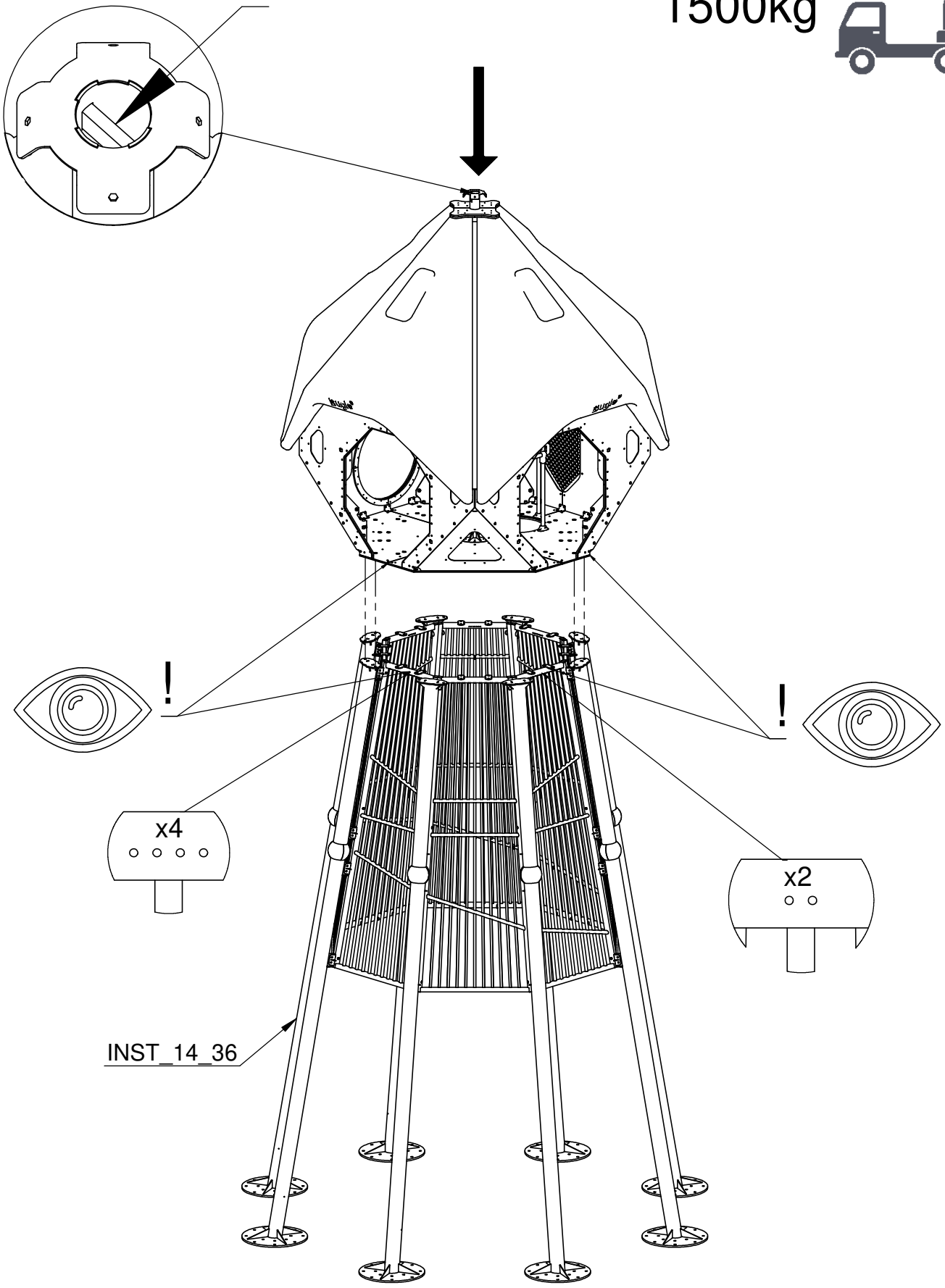

4x INST_14_39A
(E22)
INST_14_38
(E17, E18, E19,
3xE20, E21)
INST_14_40
(3xE20, E21, E24,
E25, E26, E104)
INST_14_47
(2xE20, E21, E51,
E52, E53)
INST_14_47
(2xE20, E21, E51,
E52, E53)

9 1433N

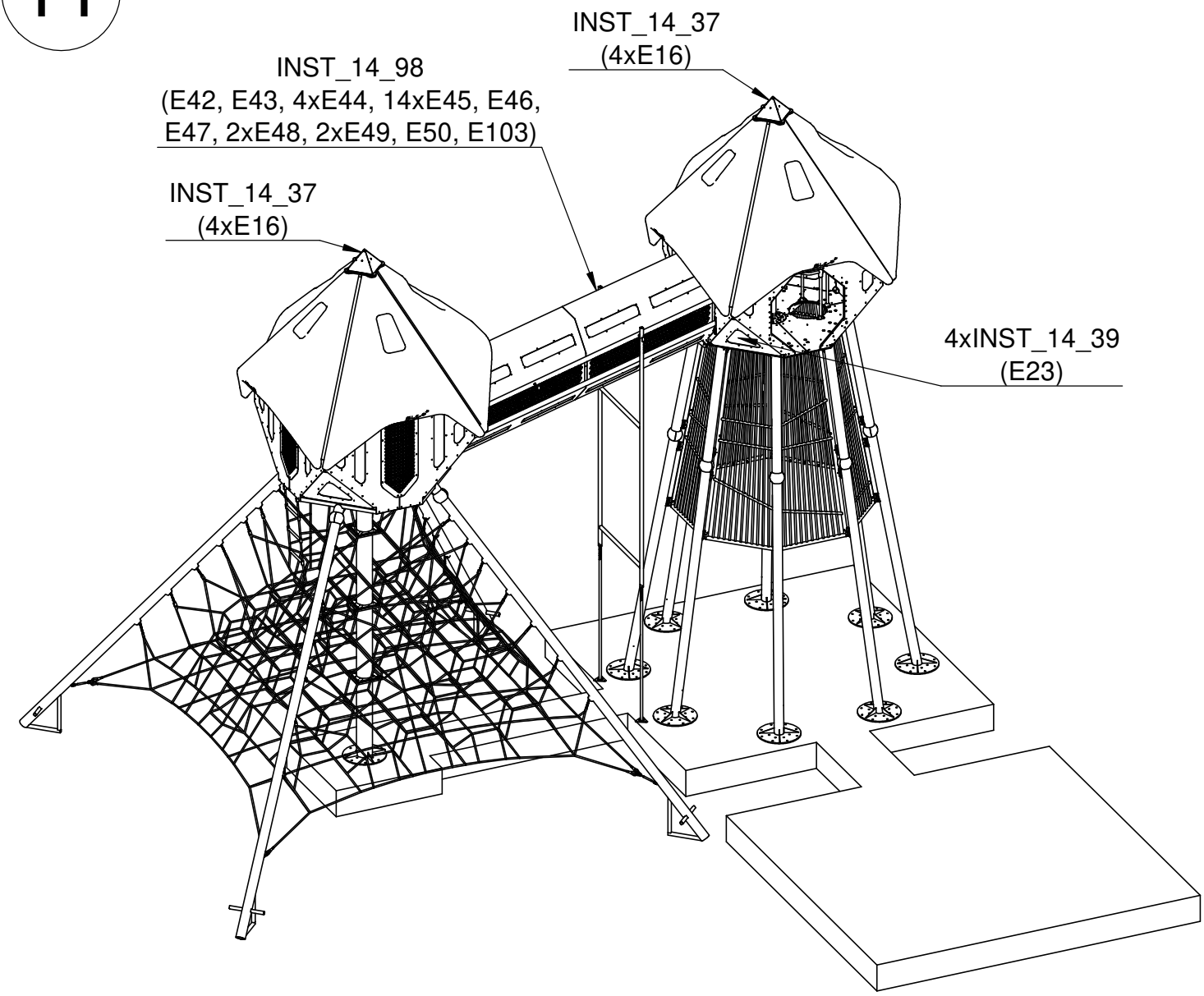


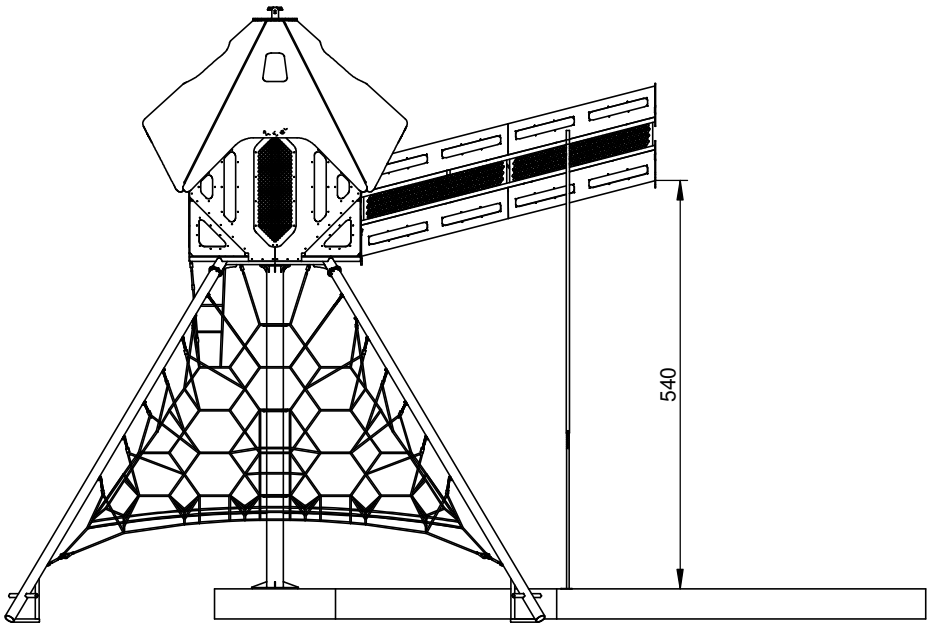
10 1433N



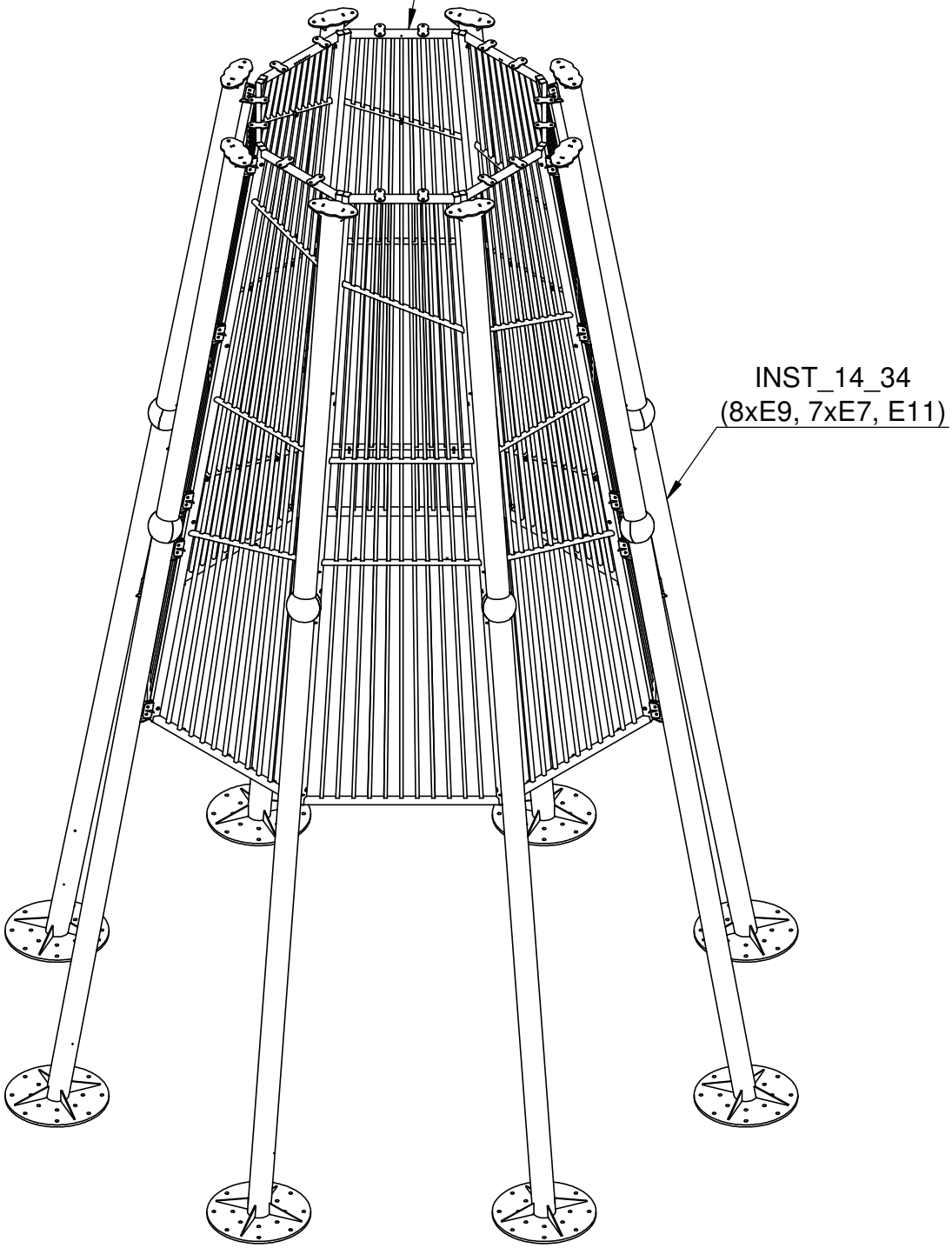


11 1433N

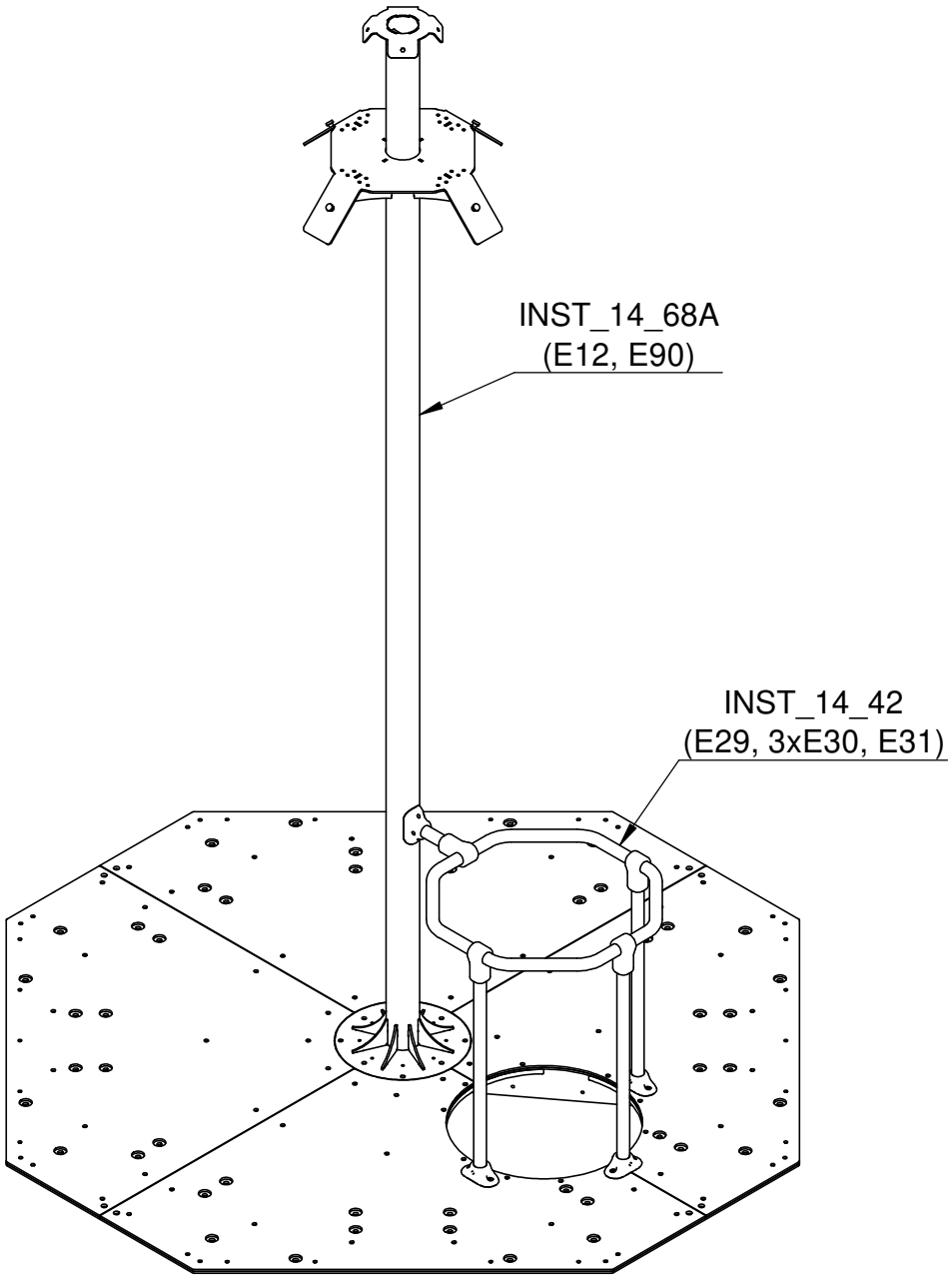

INST_14_37
(4xE16)
INST_14_98
(E42, E43, 4xE44, 14xE45, E46,
E47, 2xE48, 2xE49, E50, E103)
INST_14_37
(4xE16)
4xINST_14_39
(E23)


540

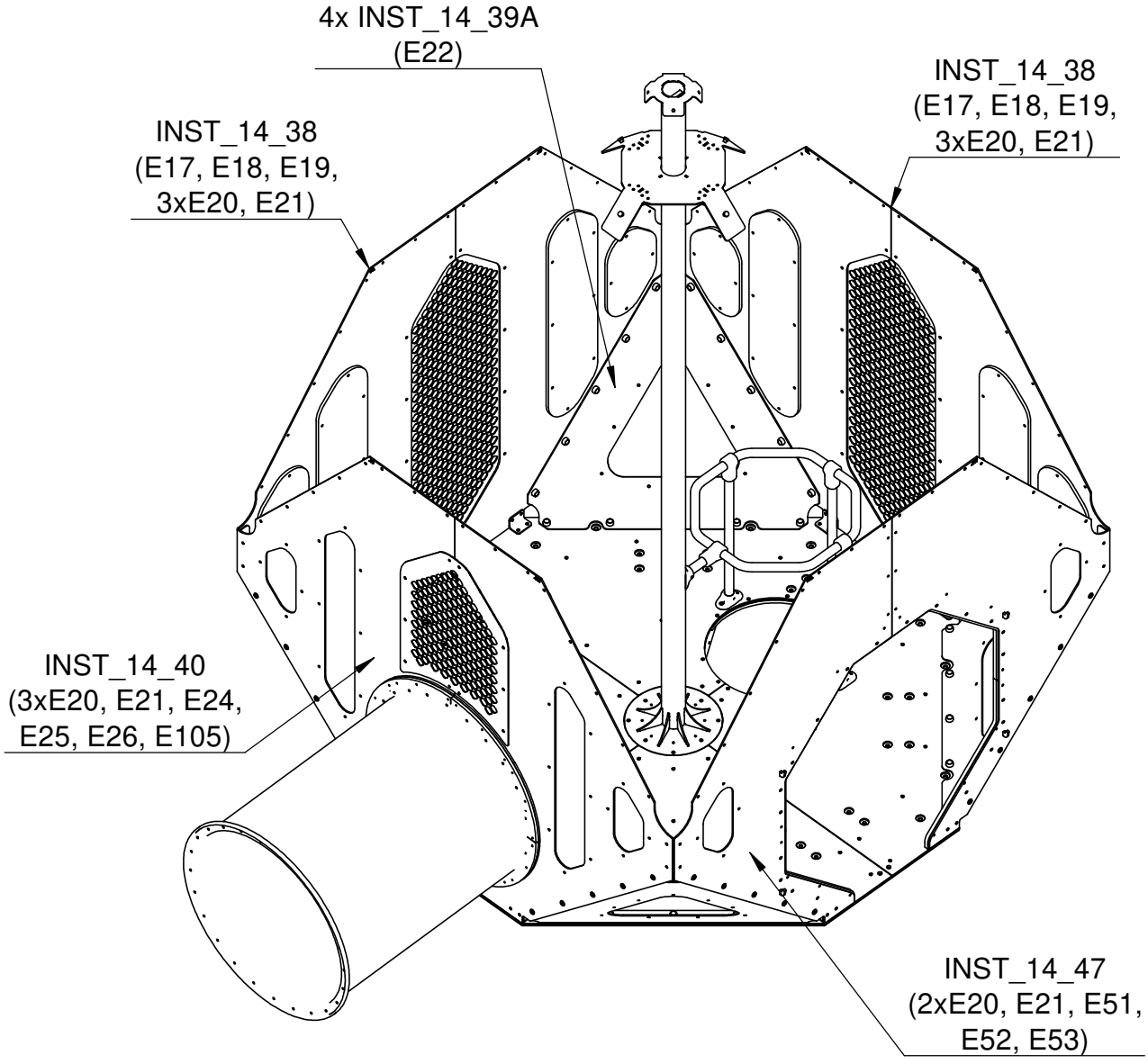
12 1433N



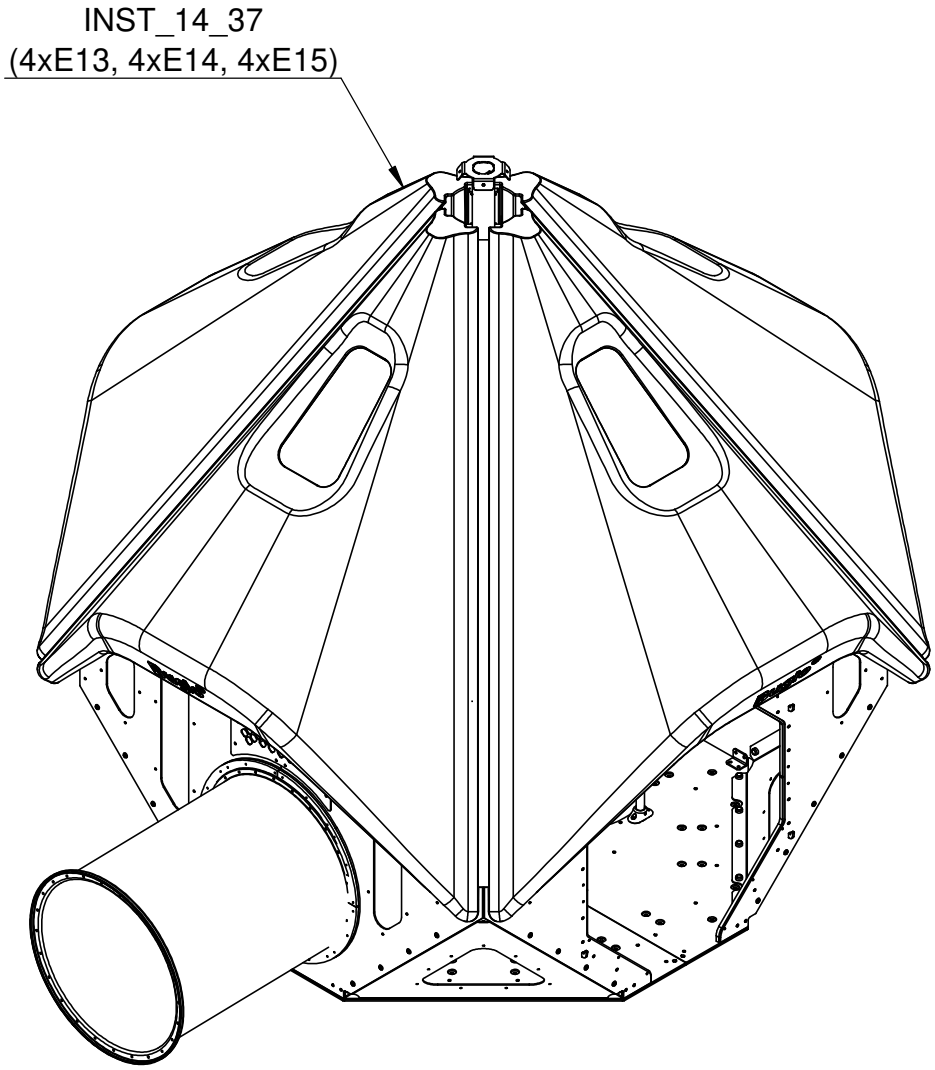
13 1433N



14 1433N

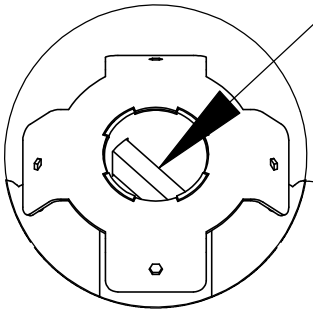

4x INST_14_39A
(E22)
INST_14_38
(E17, E18, E19,
3xE20, E21)
INST_14_38
(E17, E18, E19,
3xE20, E21)
INST_14_40
(3xE20, E21, E24,
E25, E26, E105)
INST_14_47
(2xE20, E21, E51,
E52, E53)

15 1433N

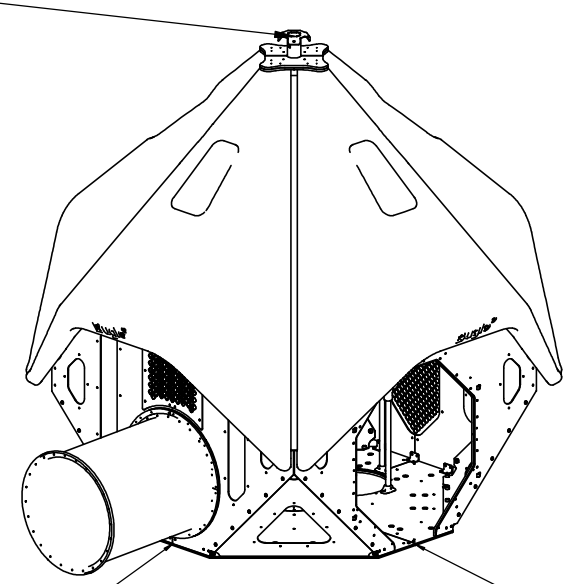


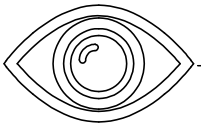
16 1433N

!



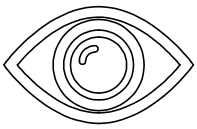


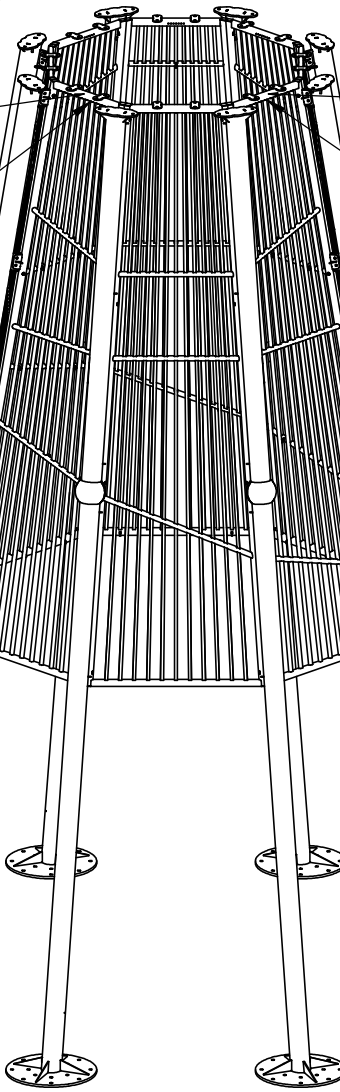




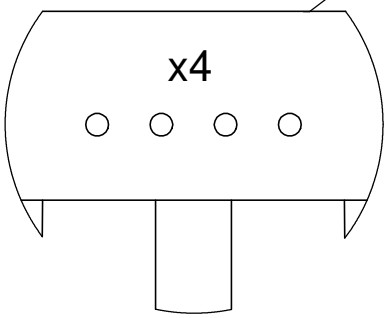
!

!

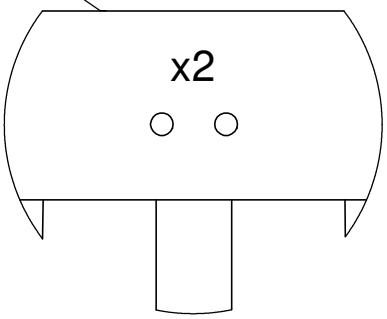




x4

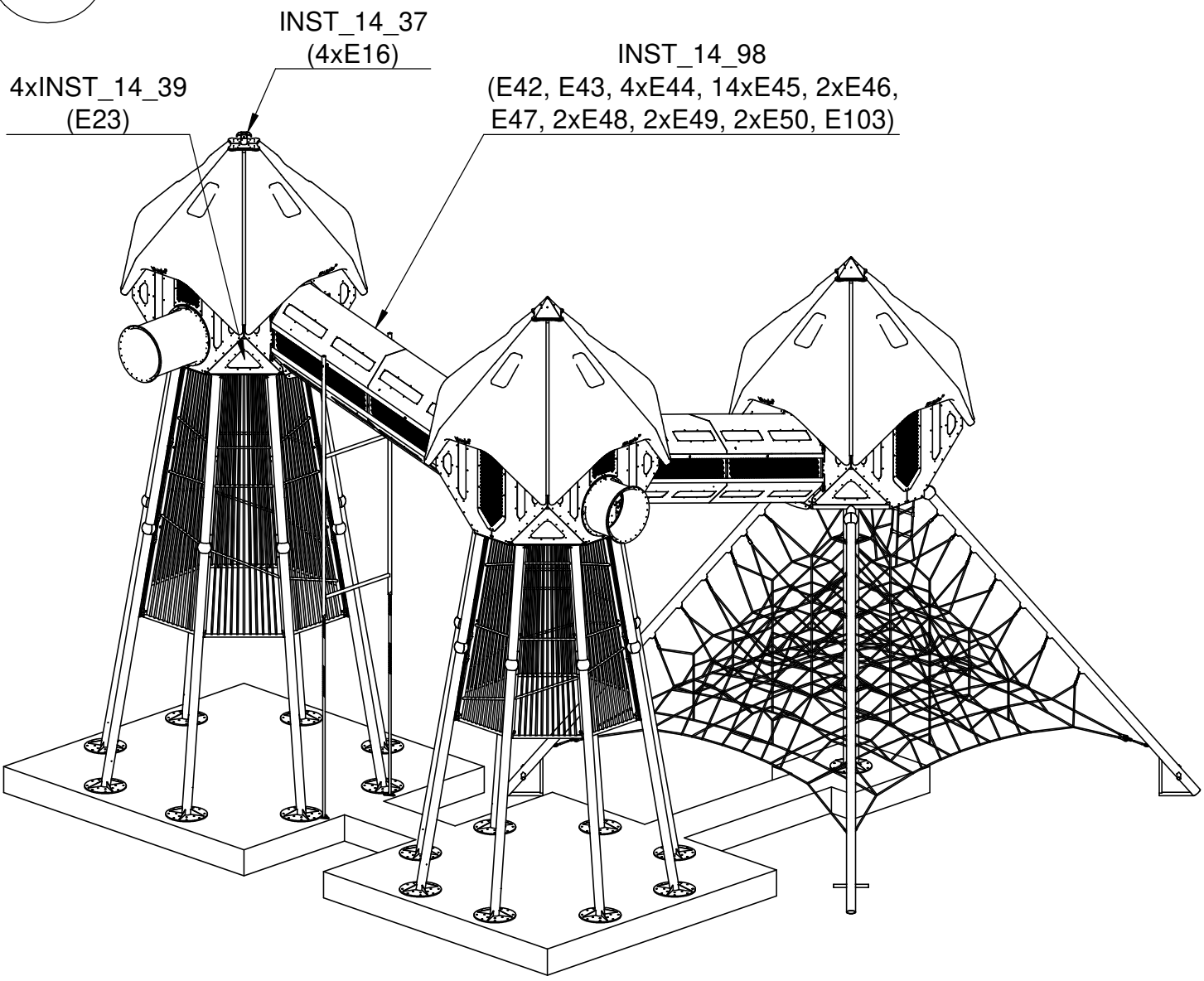


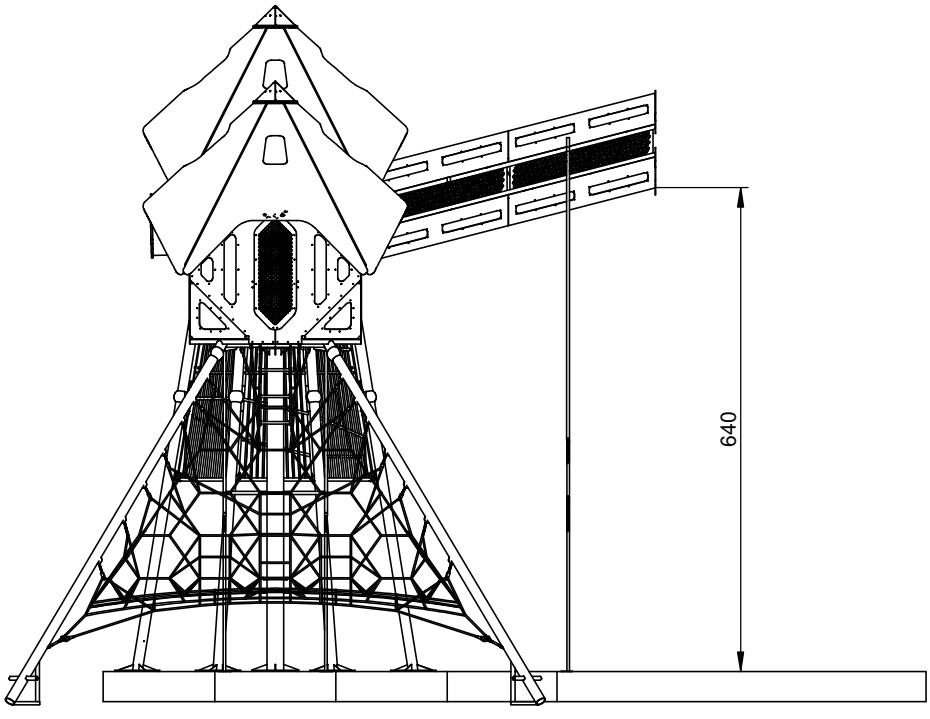
x2



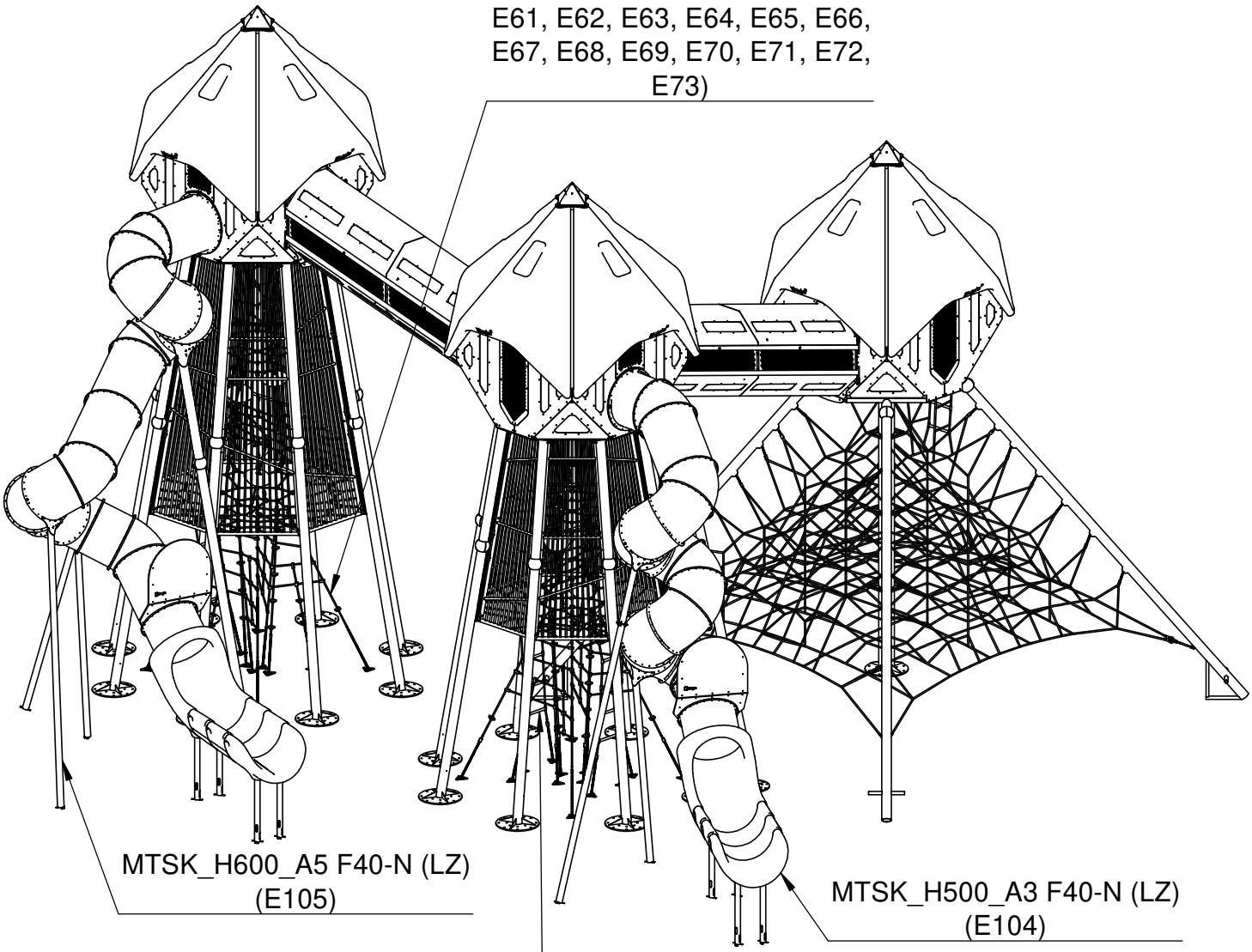
INST_14_36

17 1433N


INST_14_37
(4xE16)
4xINST_14_39
(E23)
INST_14_98
(E42, E43, 4xE44, 14xE45, 2xE46,
E47, 2xE48, 2xE49, 2xE50, E103)

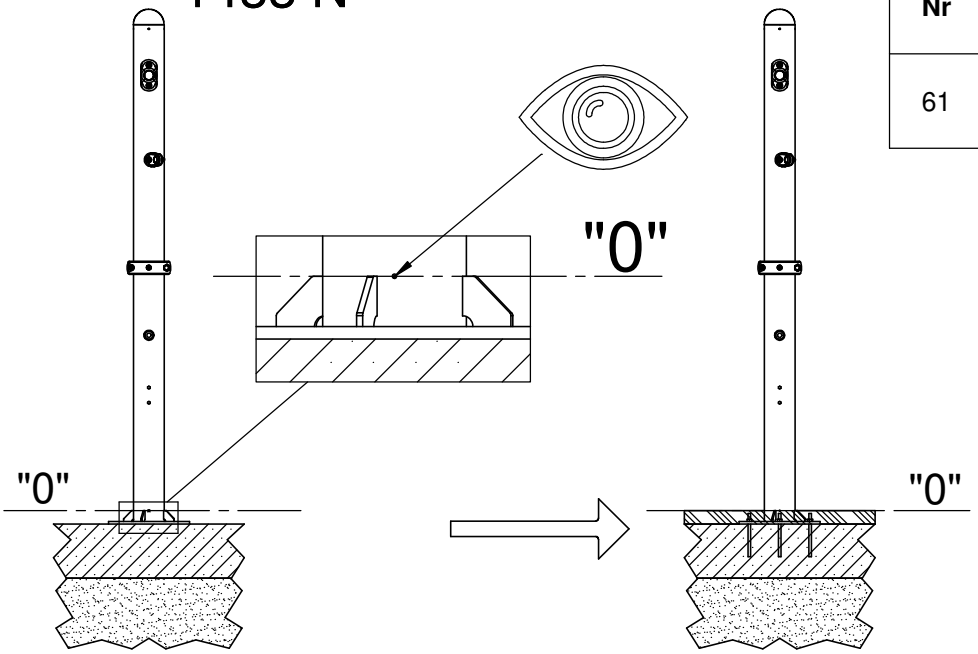

640

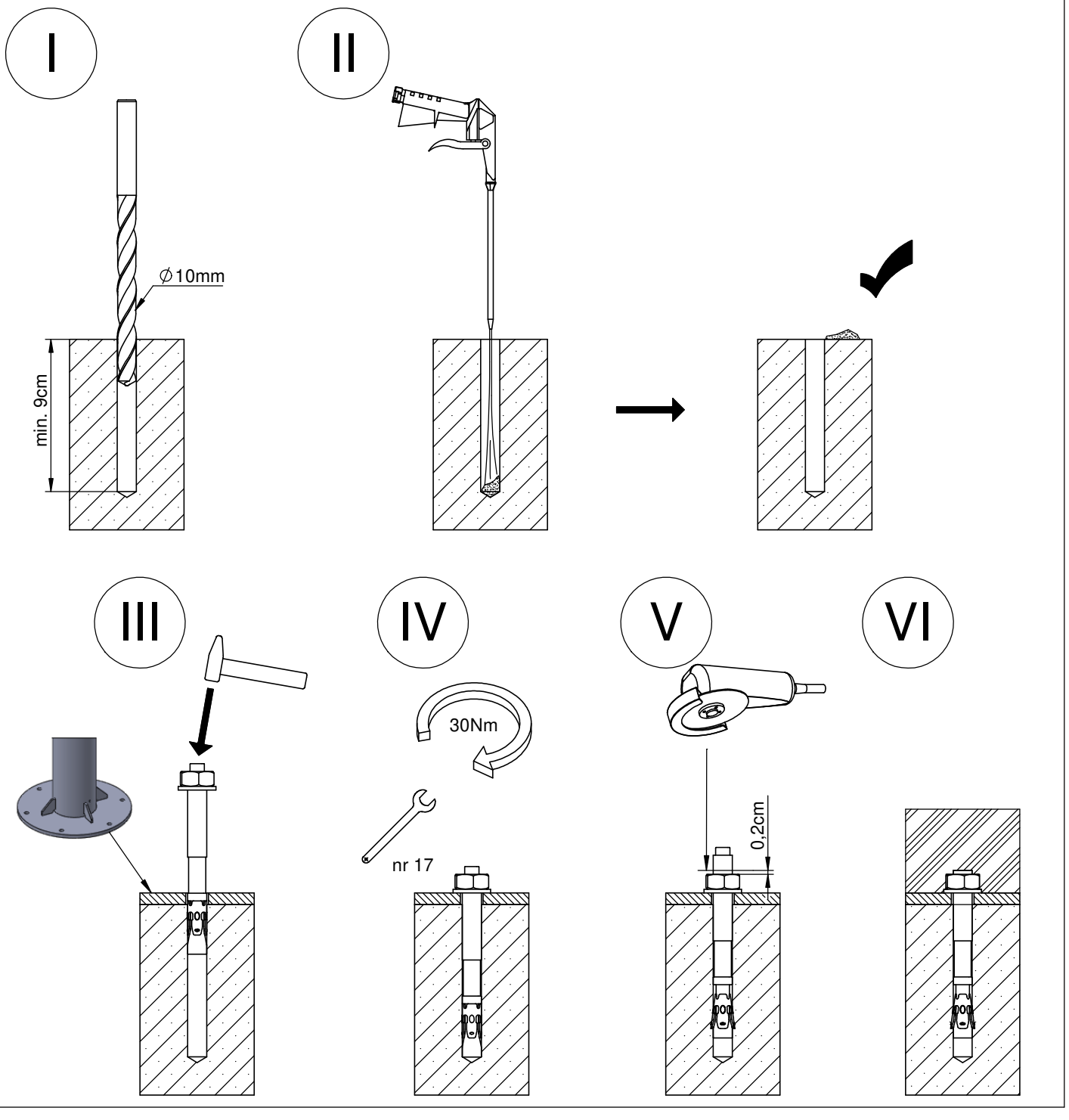
18 1433N


INST_14_64
(E56, 2xE57, E58, 2xE59, E60, E61, E62, E63, E64, E65, E66, E67, E68, E69, E70, E71, E72, E73)
MTSK_H600_A5 F40-N (LZ)
(E105)
INST_14_65
(E74, E75, E76, E77, E78, E79, E80, E81, E82, E83, E84,E85, 2xE86, 2xE87, E88, E89)
MTSK_H500_A3 F40-N (LZ)
(E104)

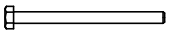
1433 N

Nr	Element		
61		-	KL105 (OC)

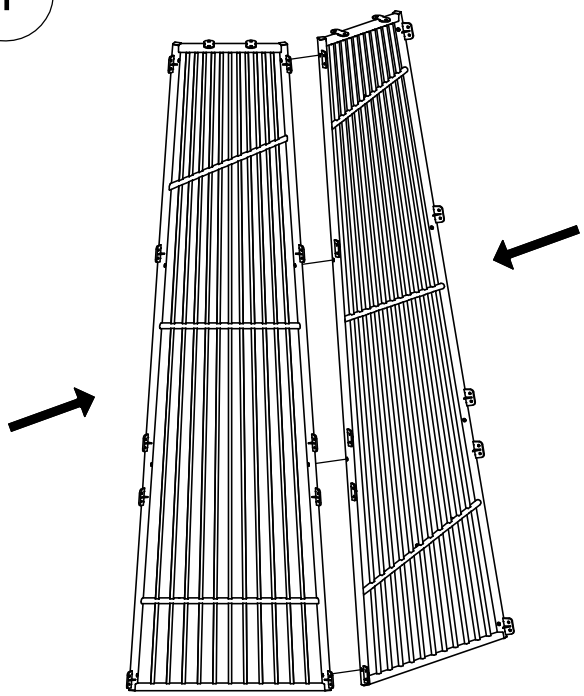




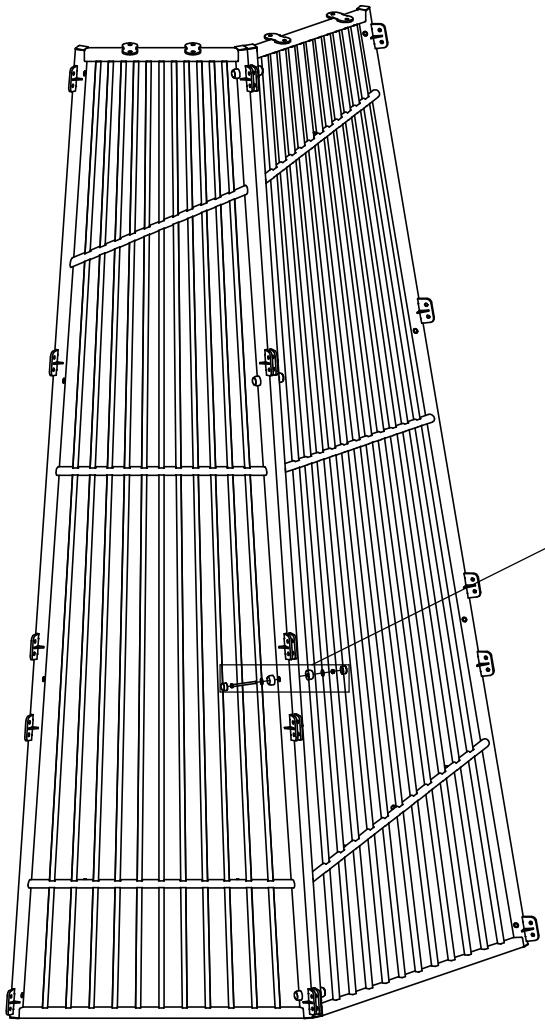
INST_14_33

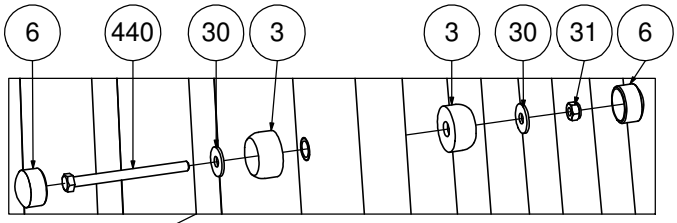
Nr	Σ	Element		
3	8		-	K2_d30_B
6	8		-	Z2_d30_B
30	8		DIN 9021	8x24
31	4		DIN 985	M8 (OC)
440	4		DIN 931	M8x100

1



2



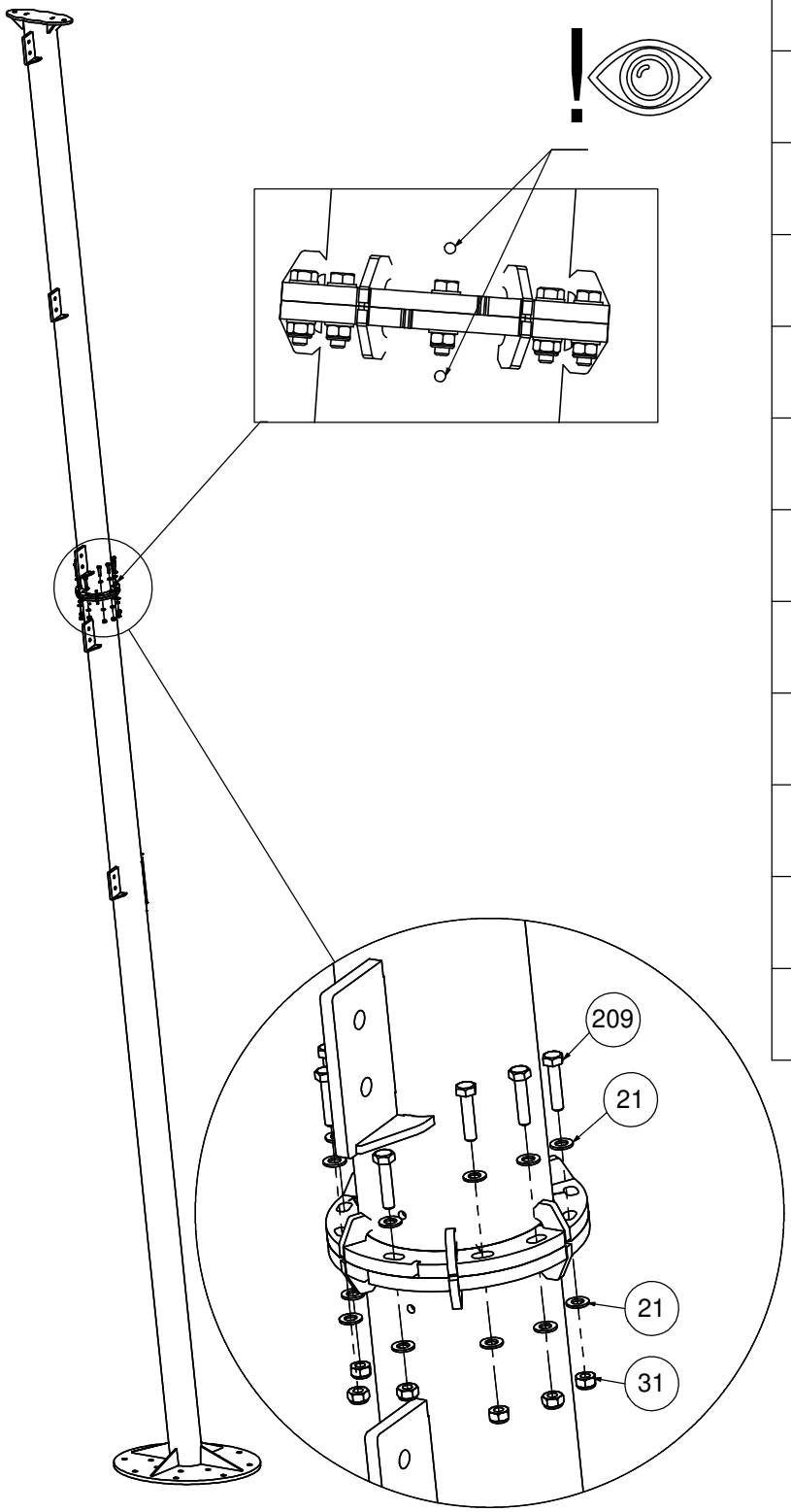


INST_14_34



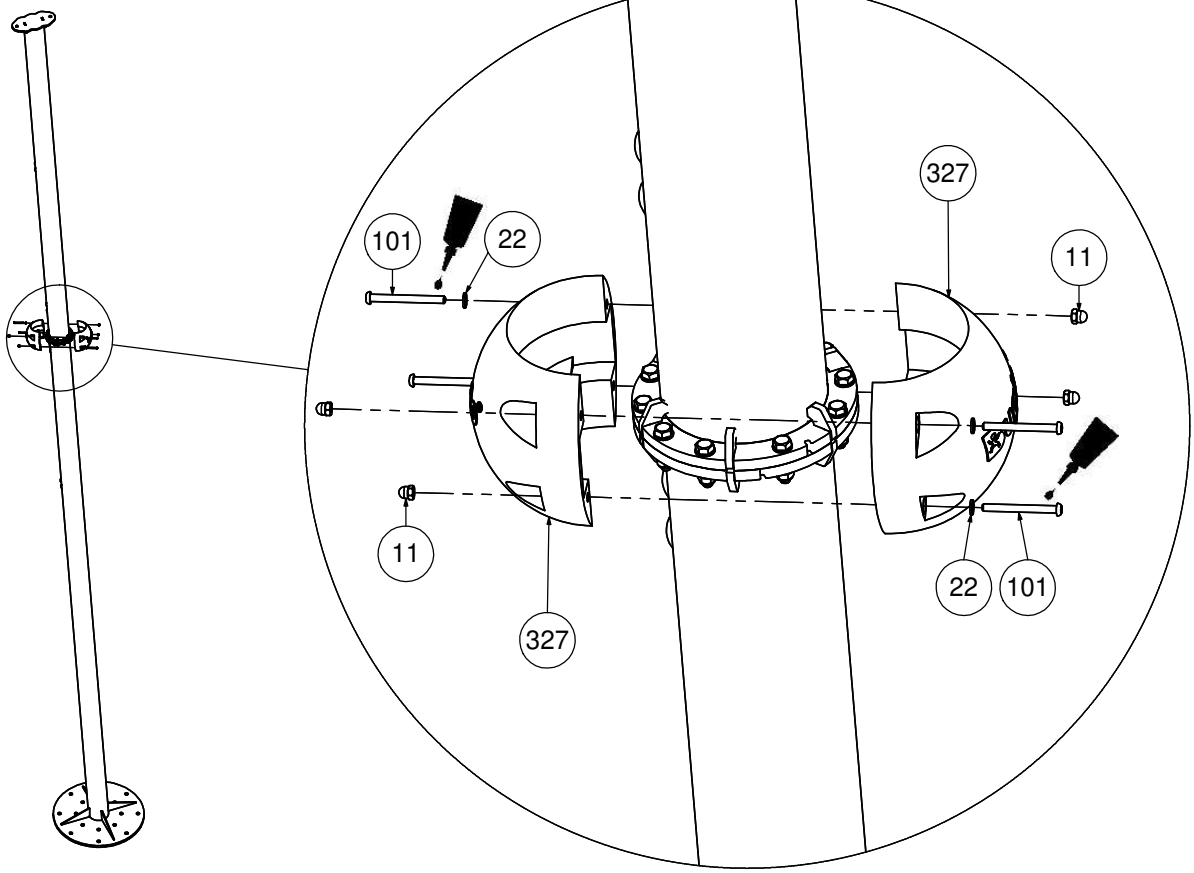
Nr. 4, 6 Nr. 10, 13, 17, 24

1

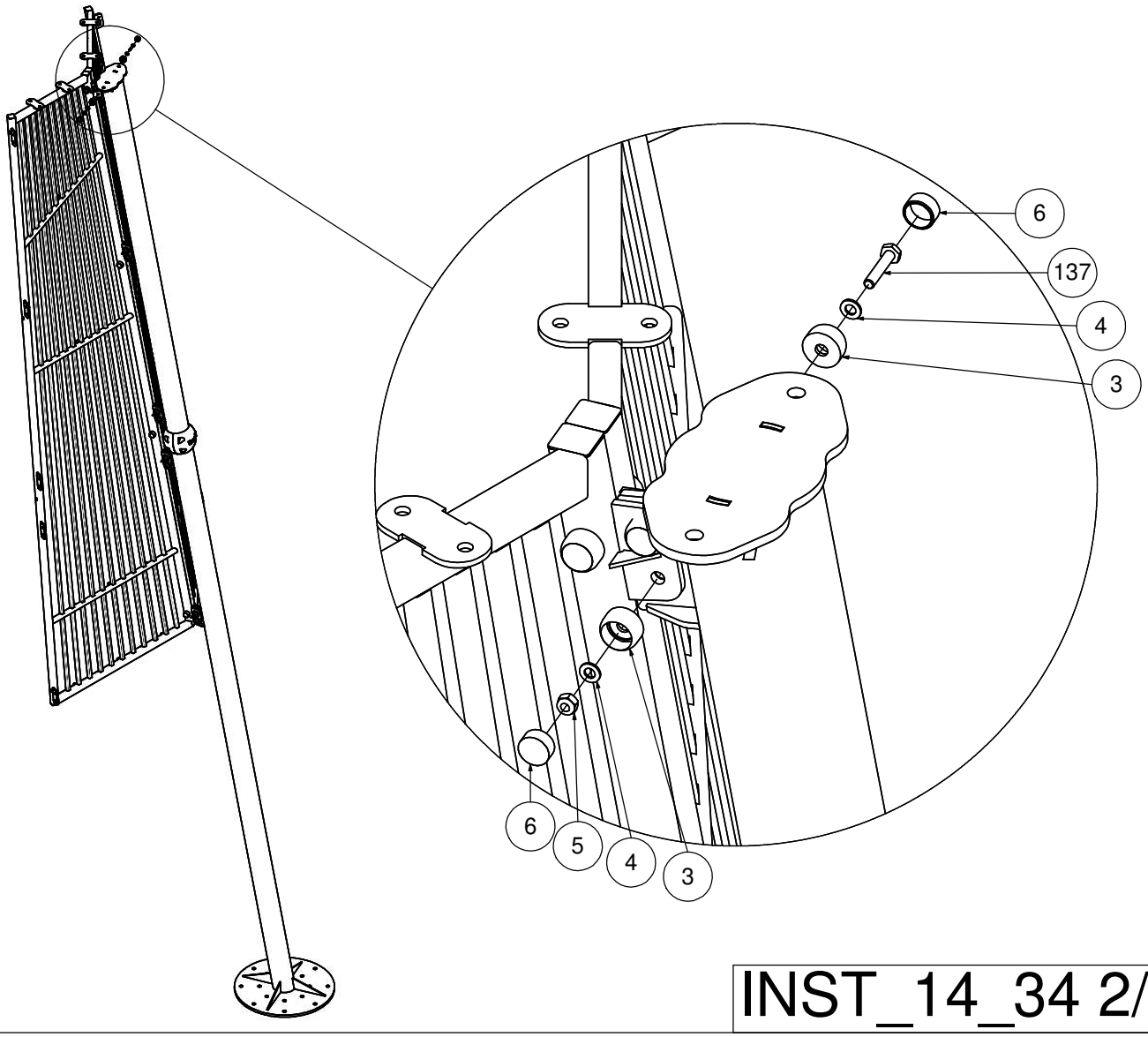


Nr	Σ	Element		
3	20		-	K2_d30_B
4	20		DIN 125	10x20
5	10		DIN 985	M10 (OC)
6	20		-	Z2_d30_B
11	4		DIN 1587	M6
21	20		DIN 125	8x16
22	4		DIN 125	6x12
31	10		DIN 985	M8 (OC)
58	1		-	LOCTITE
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
101	4		ISO 7380	M6x60
137	10		DIN 931	M10x50
209	10		DIN 933	M8x35
327	2		-	MLR133
526	-		-	KCH
531	16	25cm	-	S4_1400_82

2

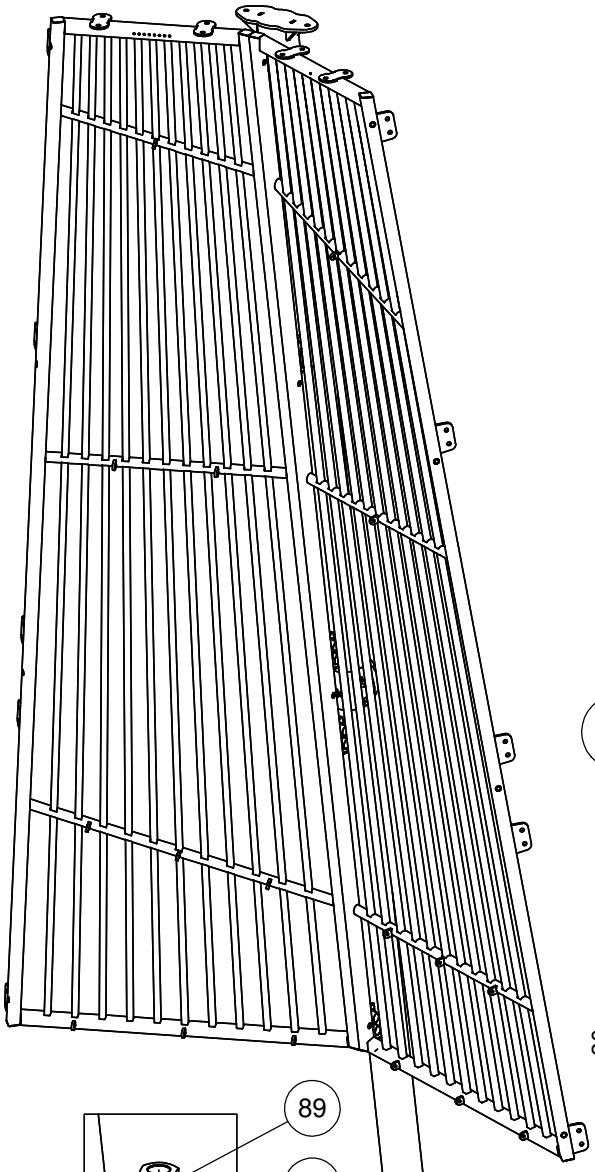


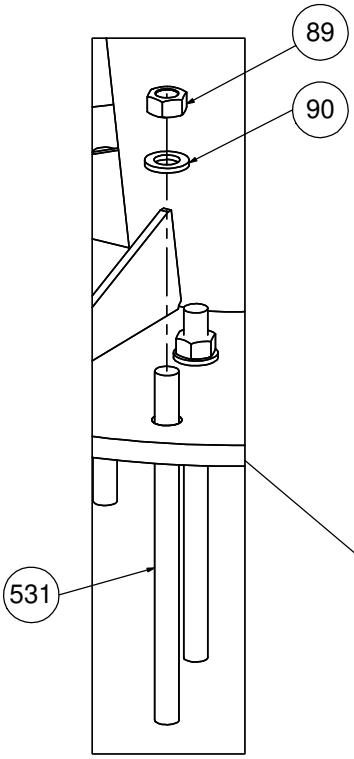
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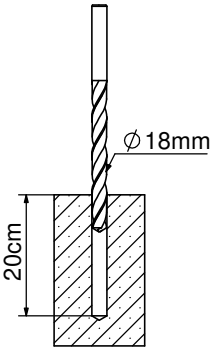
INST_14_34

4

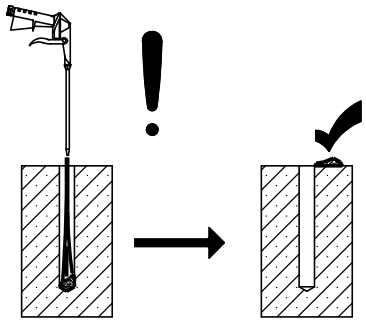




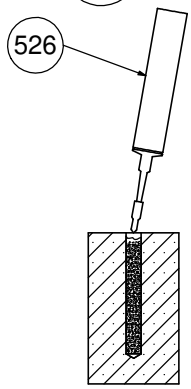
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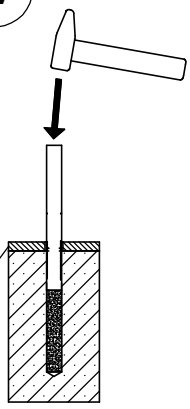
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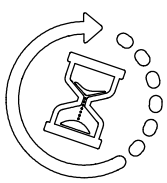
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IV

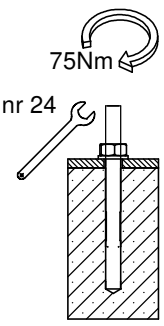


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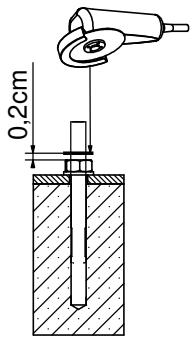


min. 24H

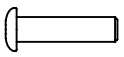
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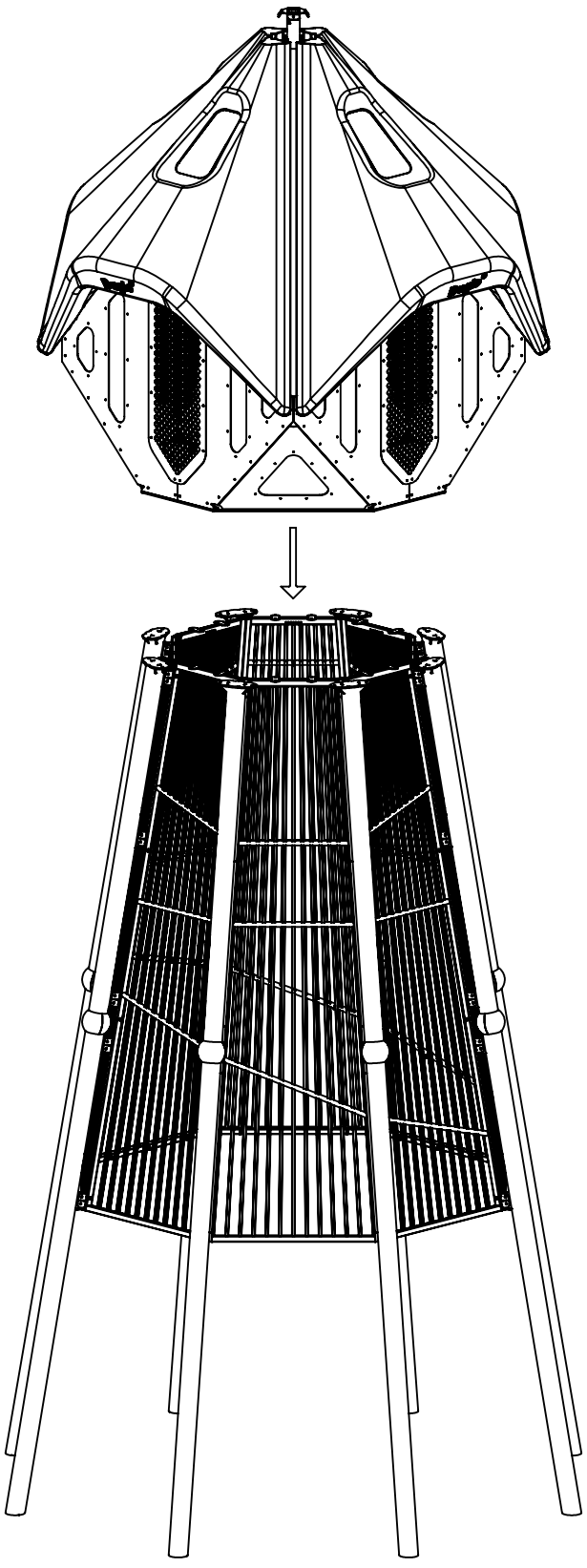
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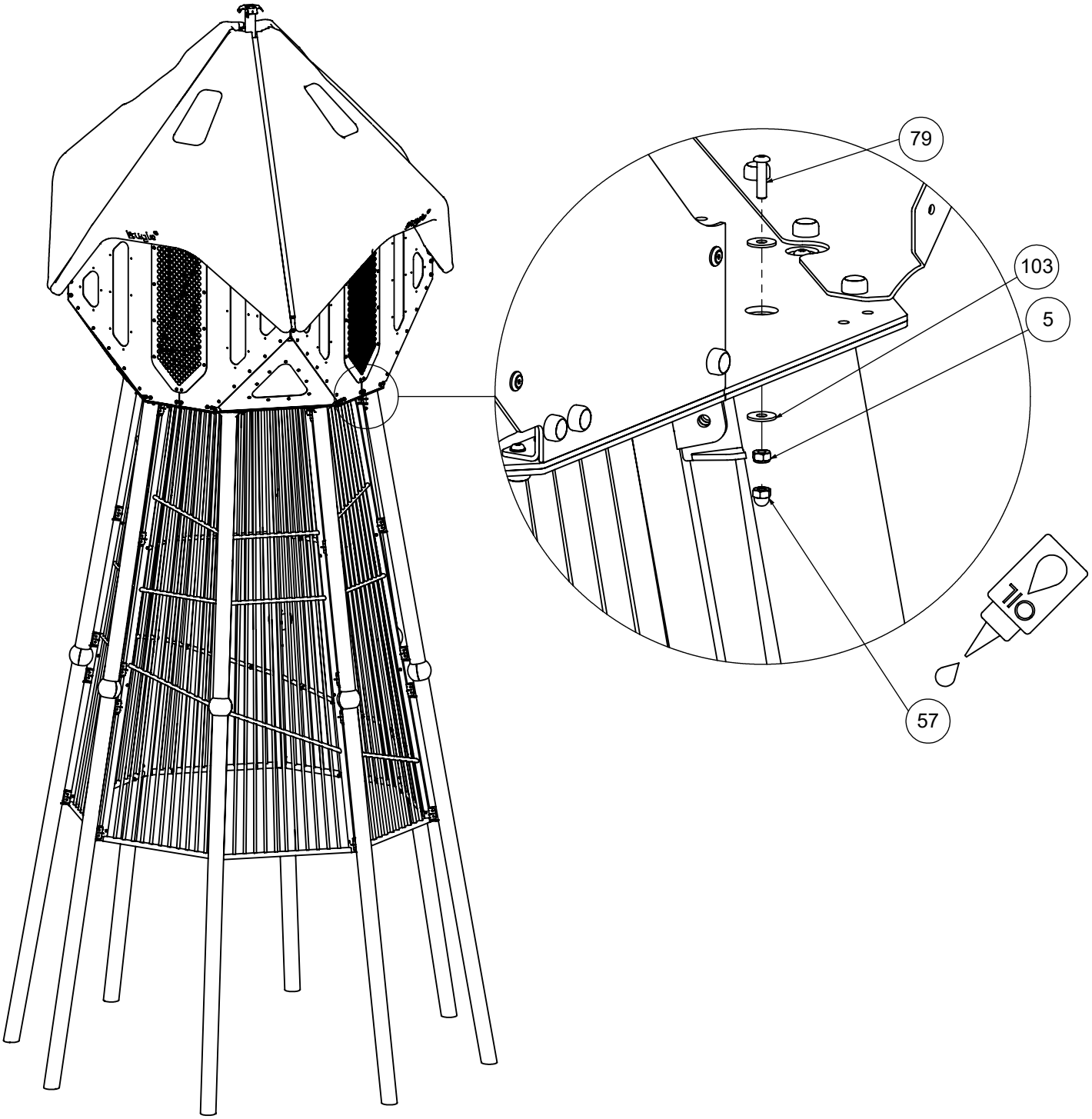
INST_14_36

Nr	Σ	Element		
5	16		DIN 985	M10
44	32		ISO 7380	M10x25
57	48		DIN 1587	M10
79	16		ISO 7380	M10x40
103	96		DIN 9021	10x30
579	1		-	OIL

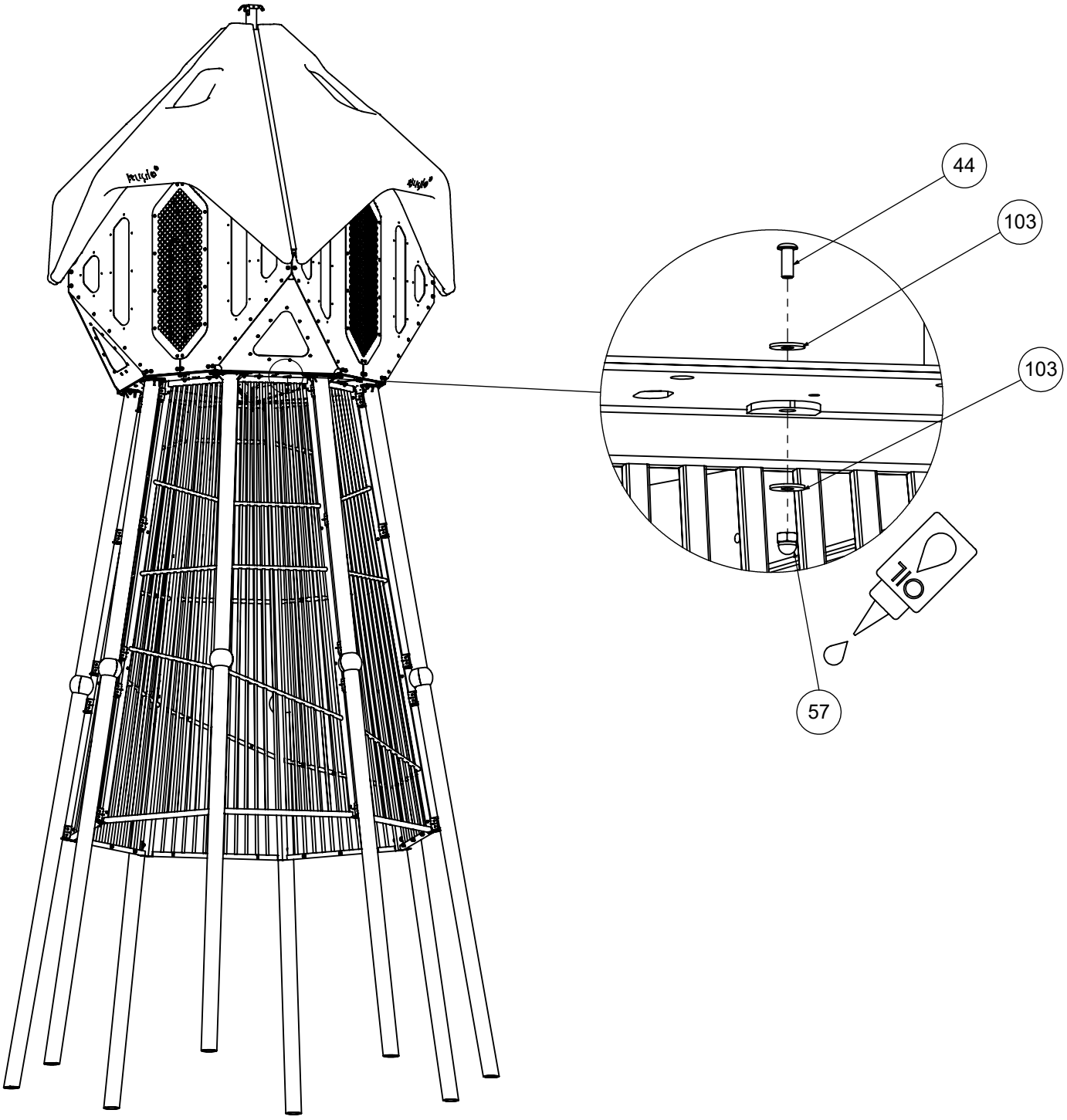
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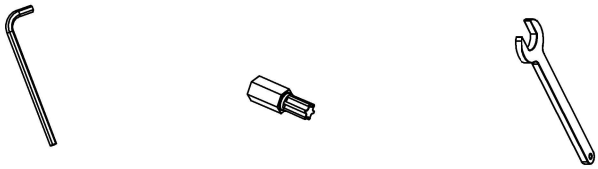
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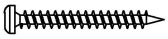
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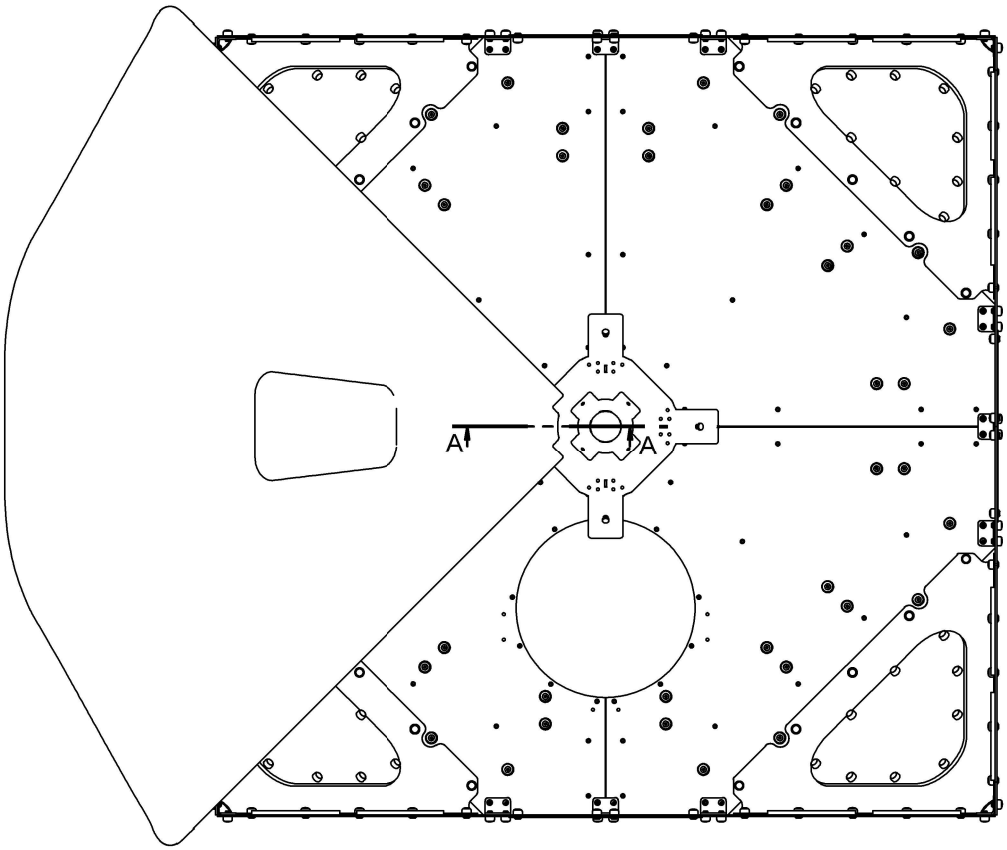
INST_14_37



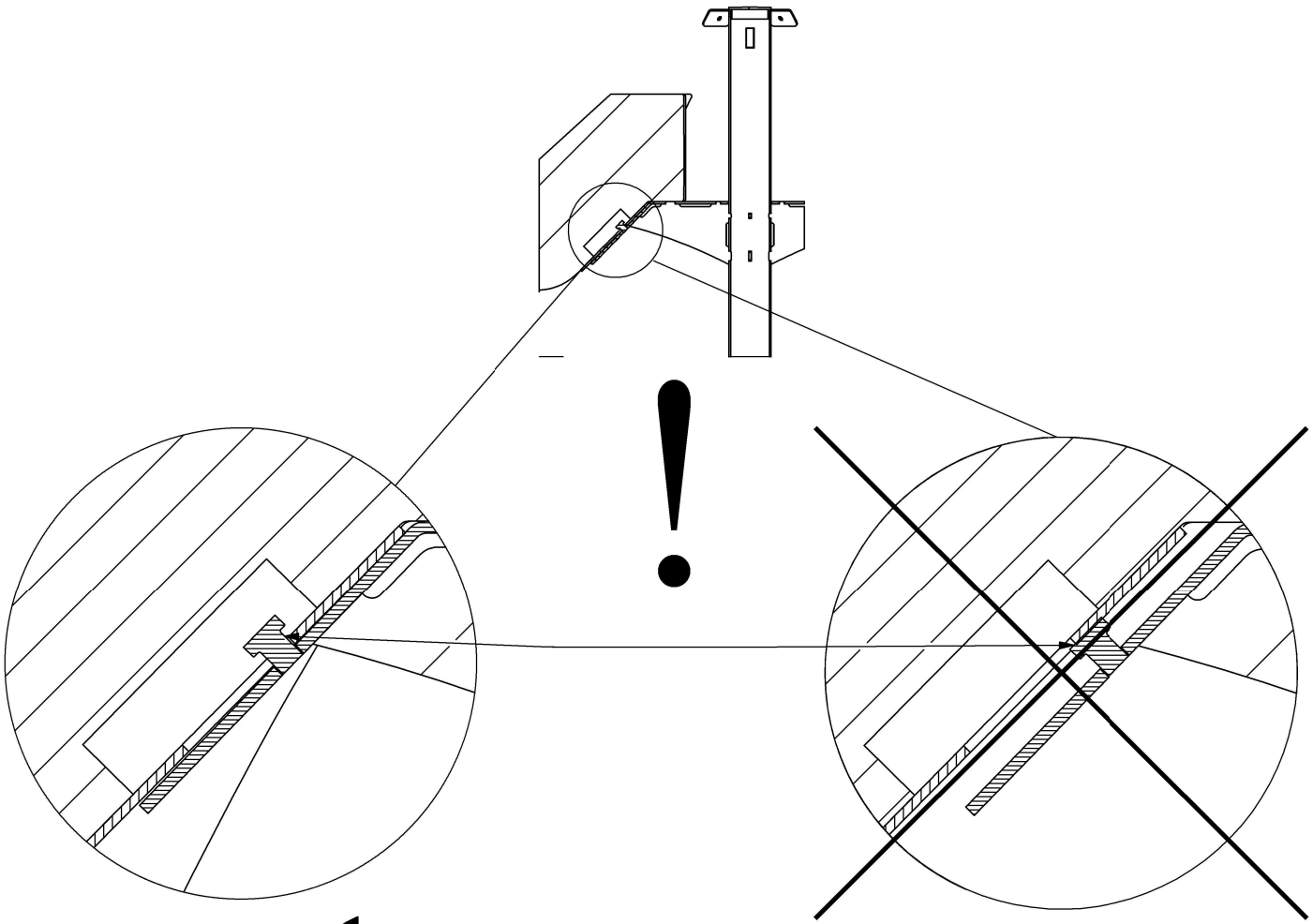
Nr. 4 Nr. T25, T20 Nr. 10

Nr	Σ	Element		
1	100		-	S6x60
2	100		-	W6x60
10	8		DIN 9021	6x18
13	4		ISO 7380	M6x20
16	4		-	K1_d21_B
17	4		-	Z1_d21_B
18	4		DIN 985	M6 (OC)
19	4		ISO 7380	M6x40
22	80		DIN 125	6x12
24	12		ISO 7380	M6x16
26	64		-	S4x40
518	1		-	ZASP_88,9

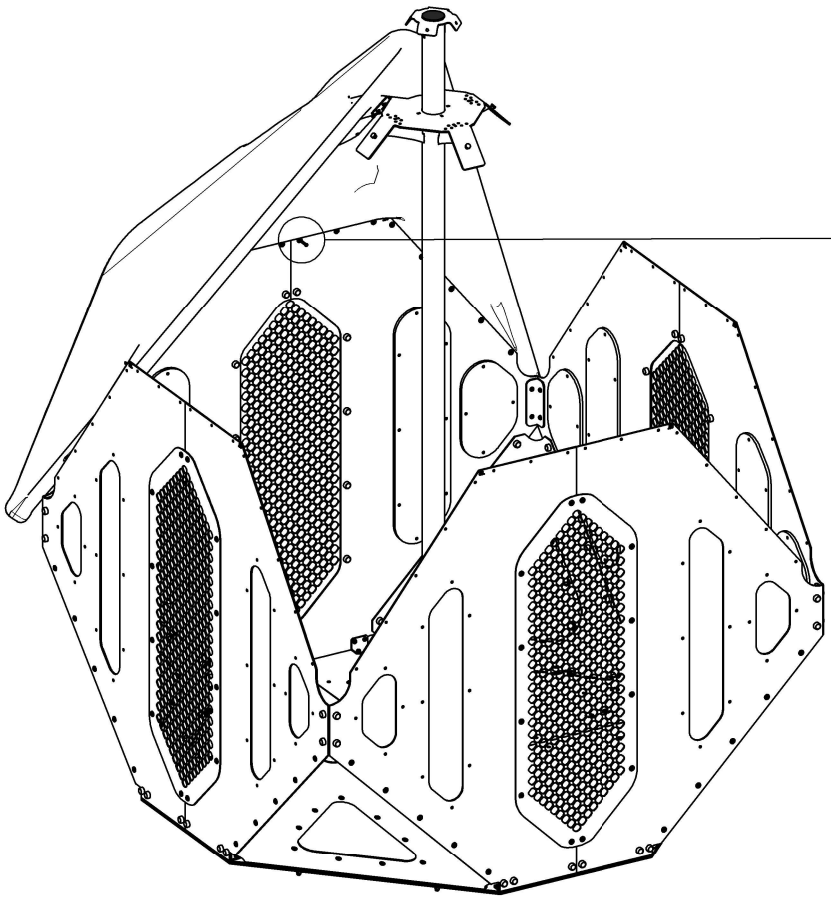
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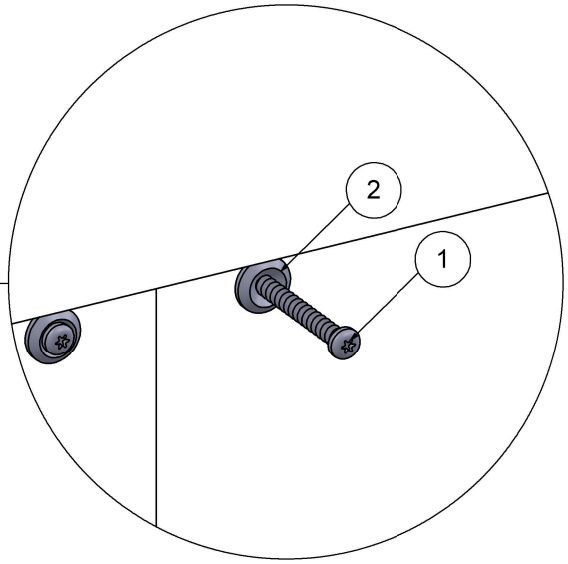


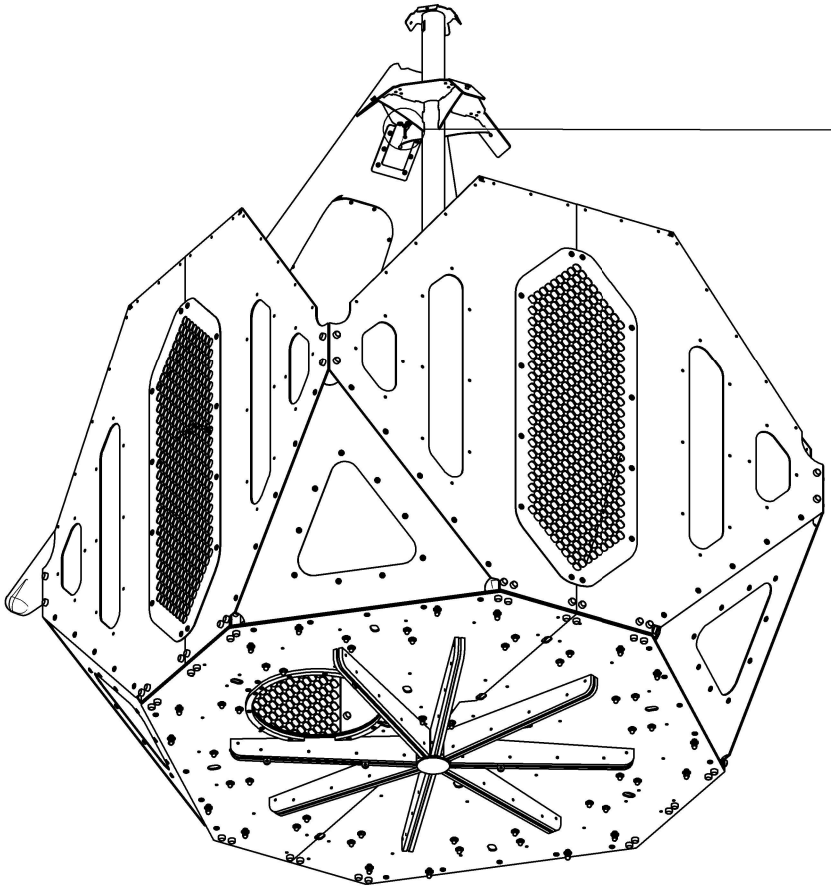
A-A (1 : 15)

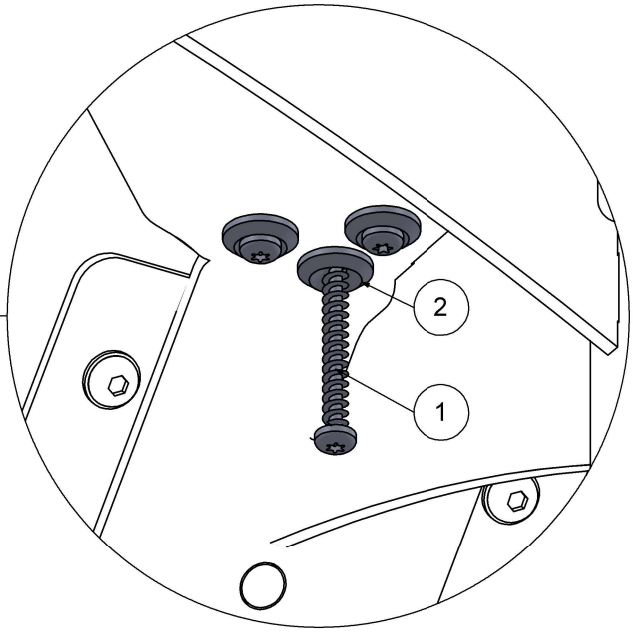


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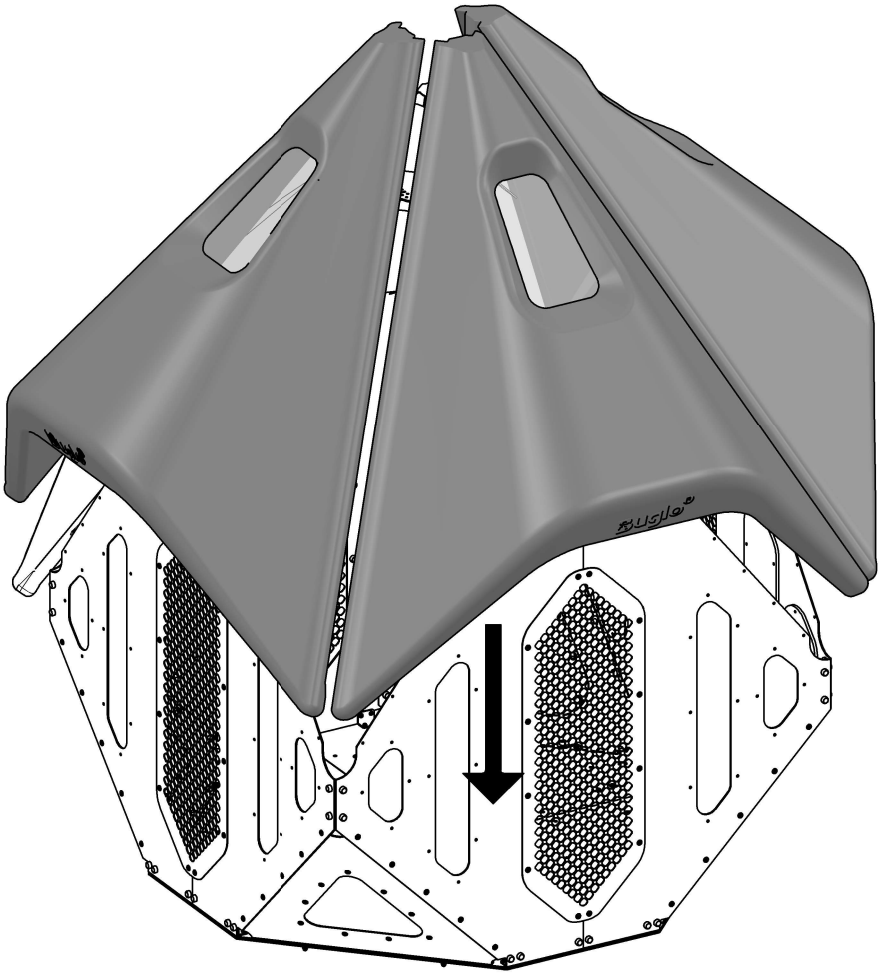




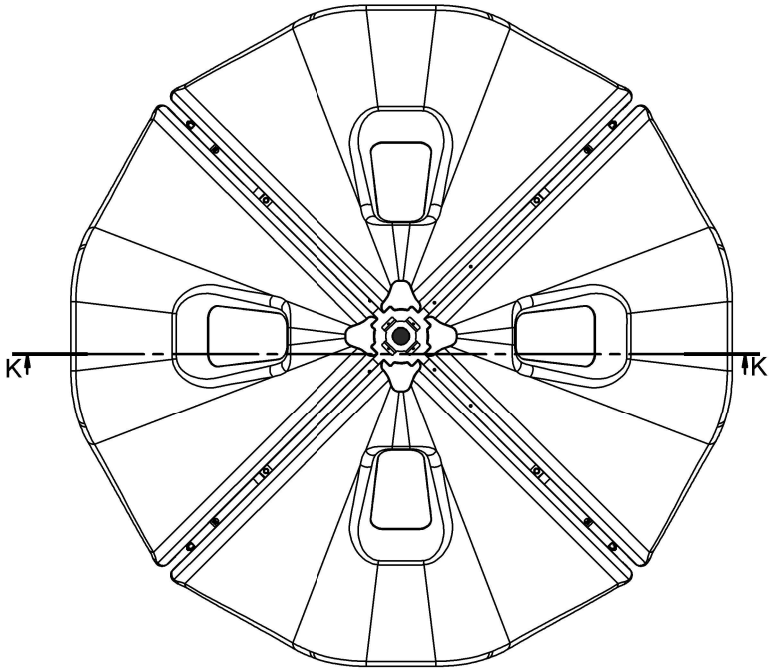




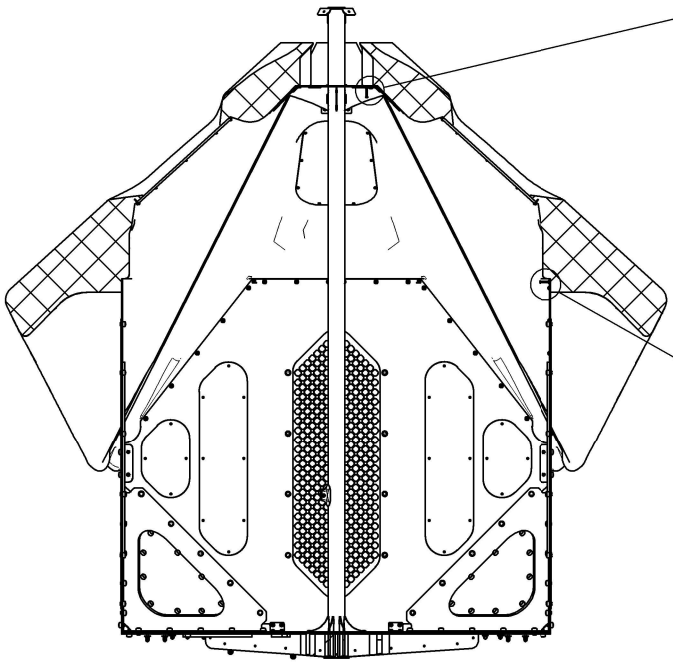
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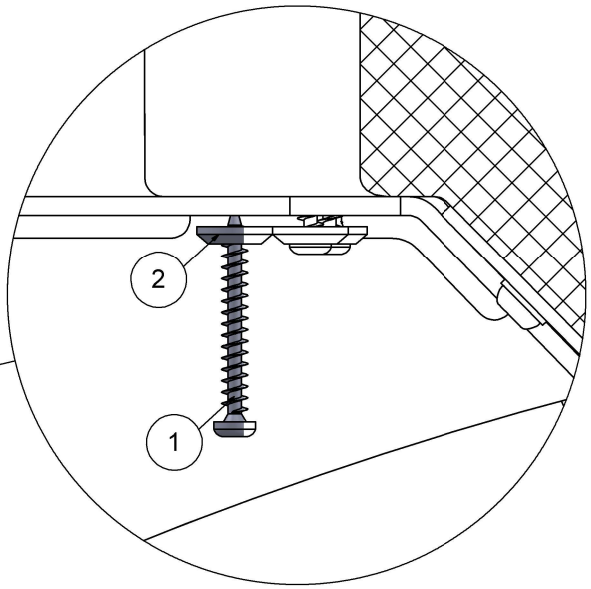


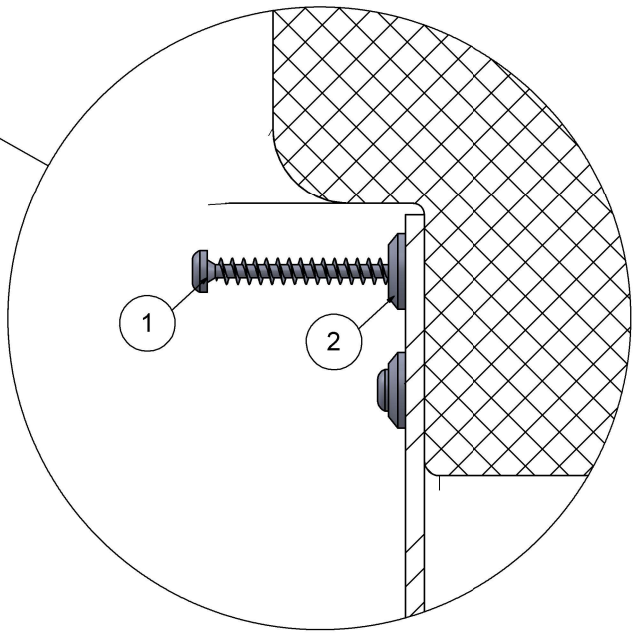
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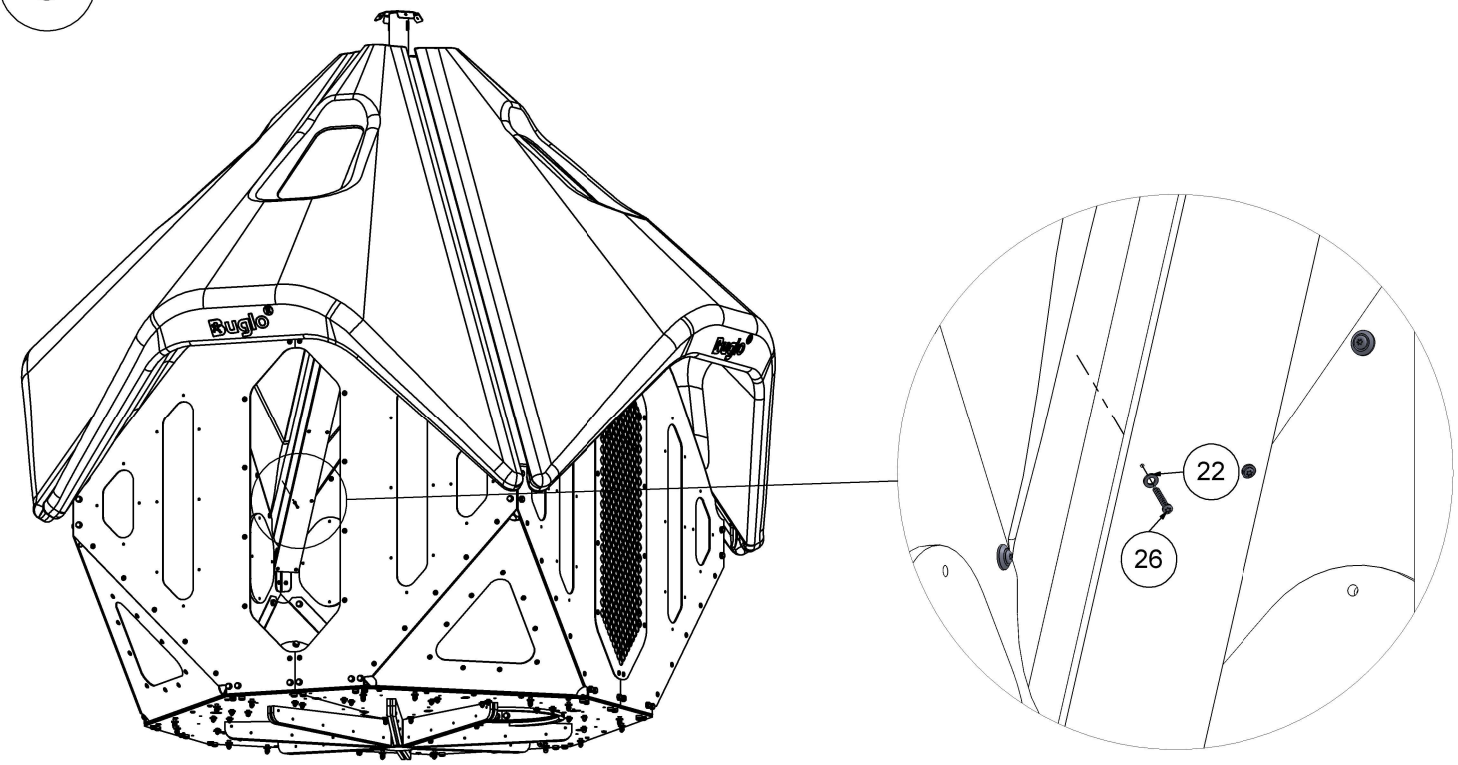
K-K (1 : 40)



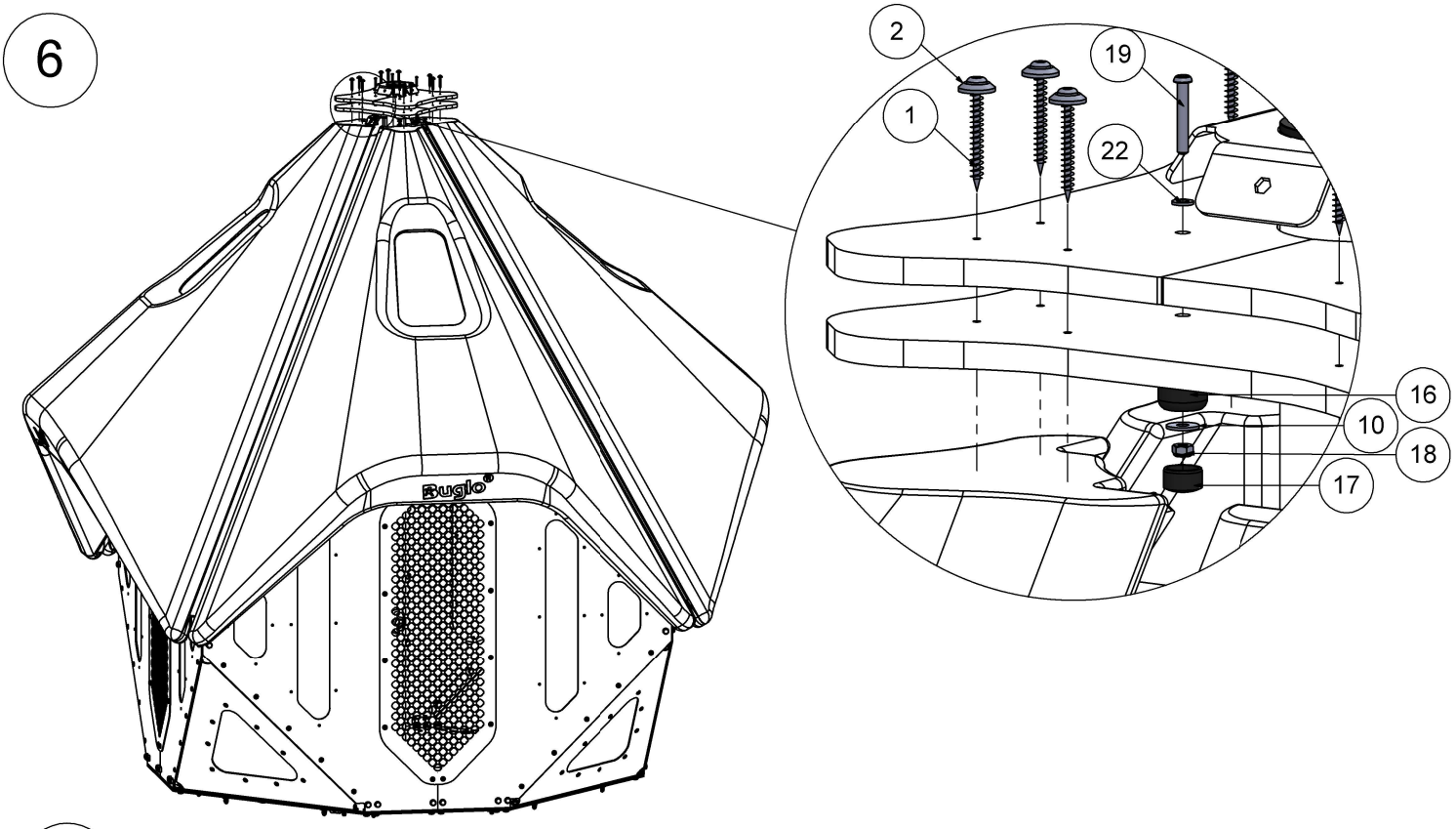




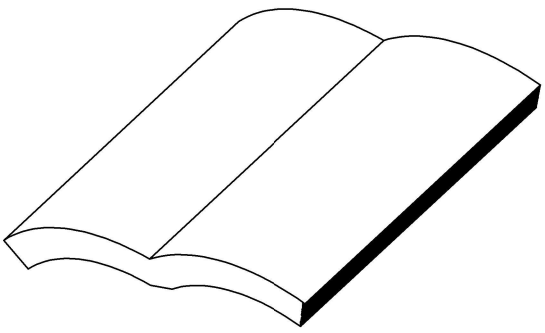
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6



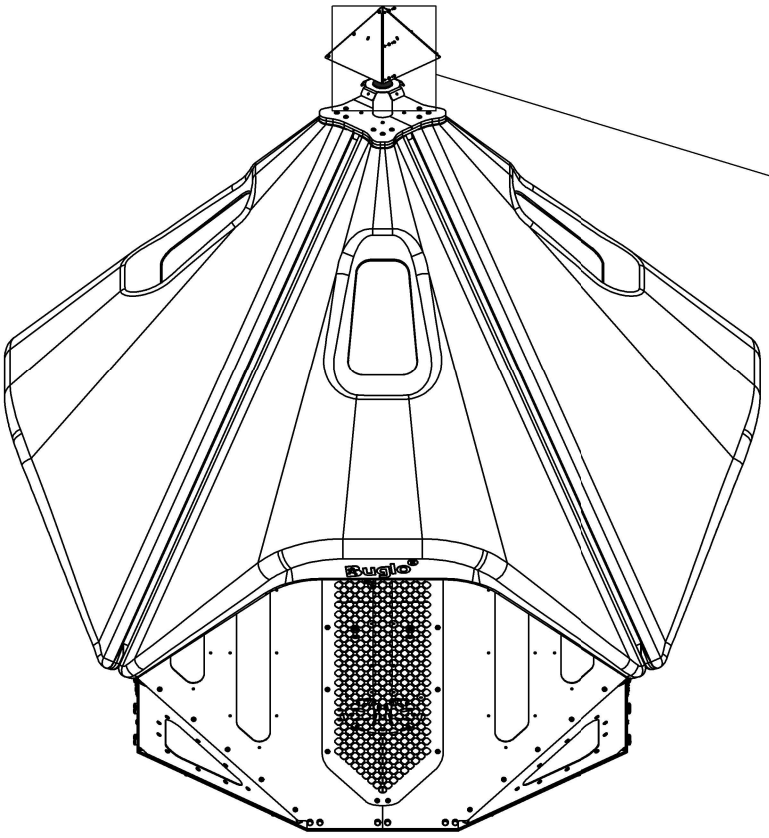
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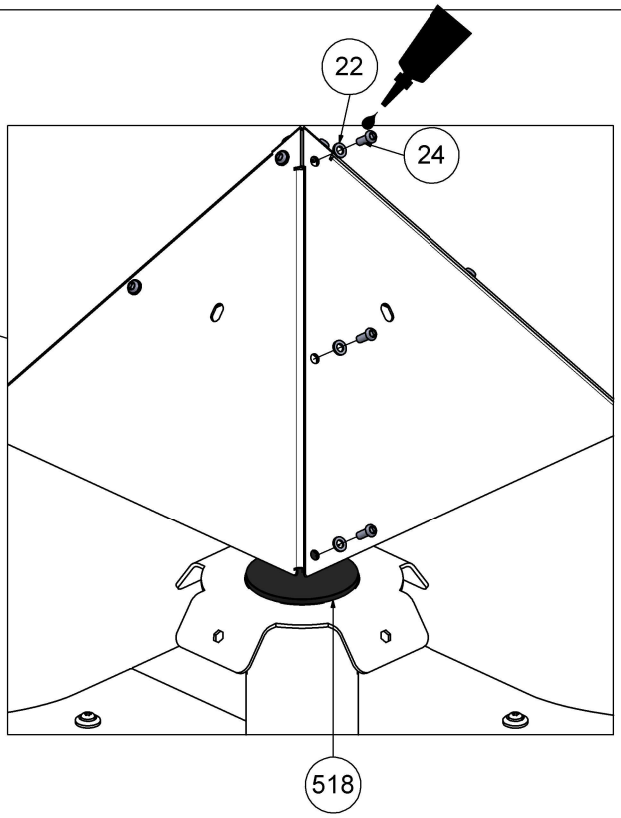


14....

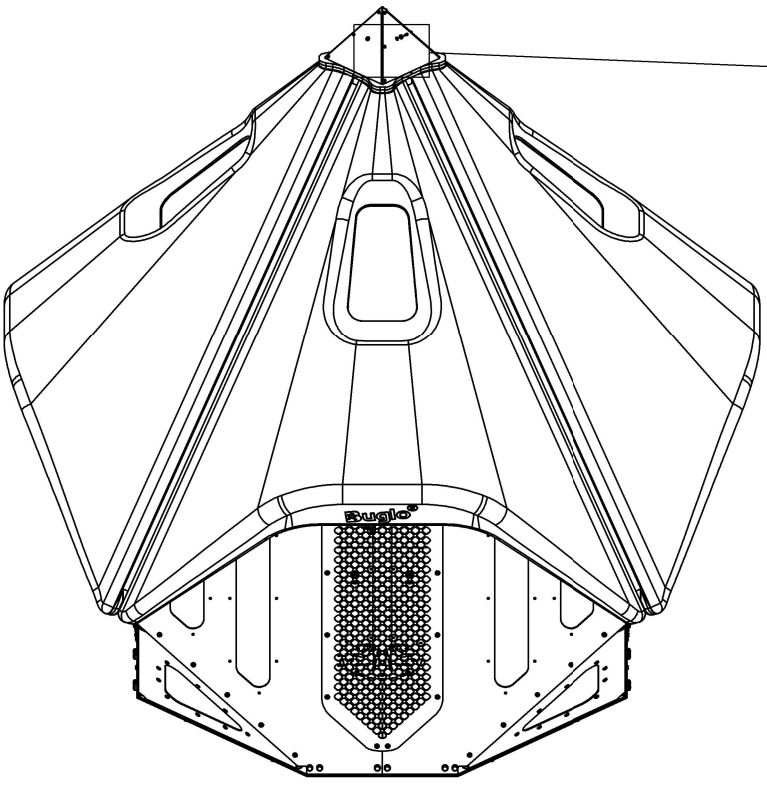
INST_14_37 6/7

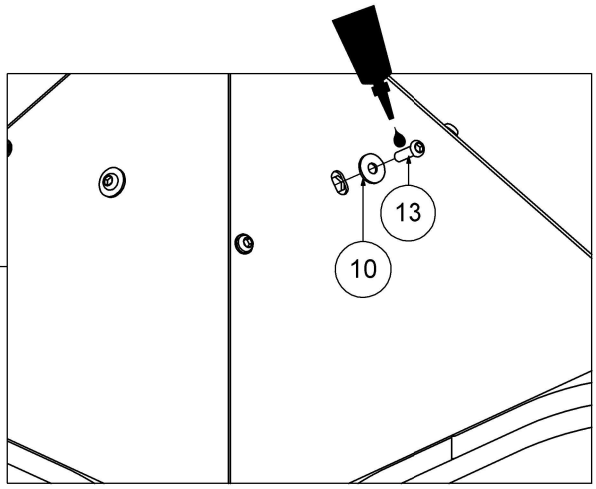
8





9



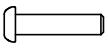
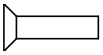


INST_14_38

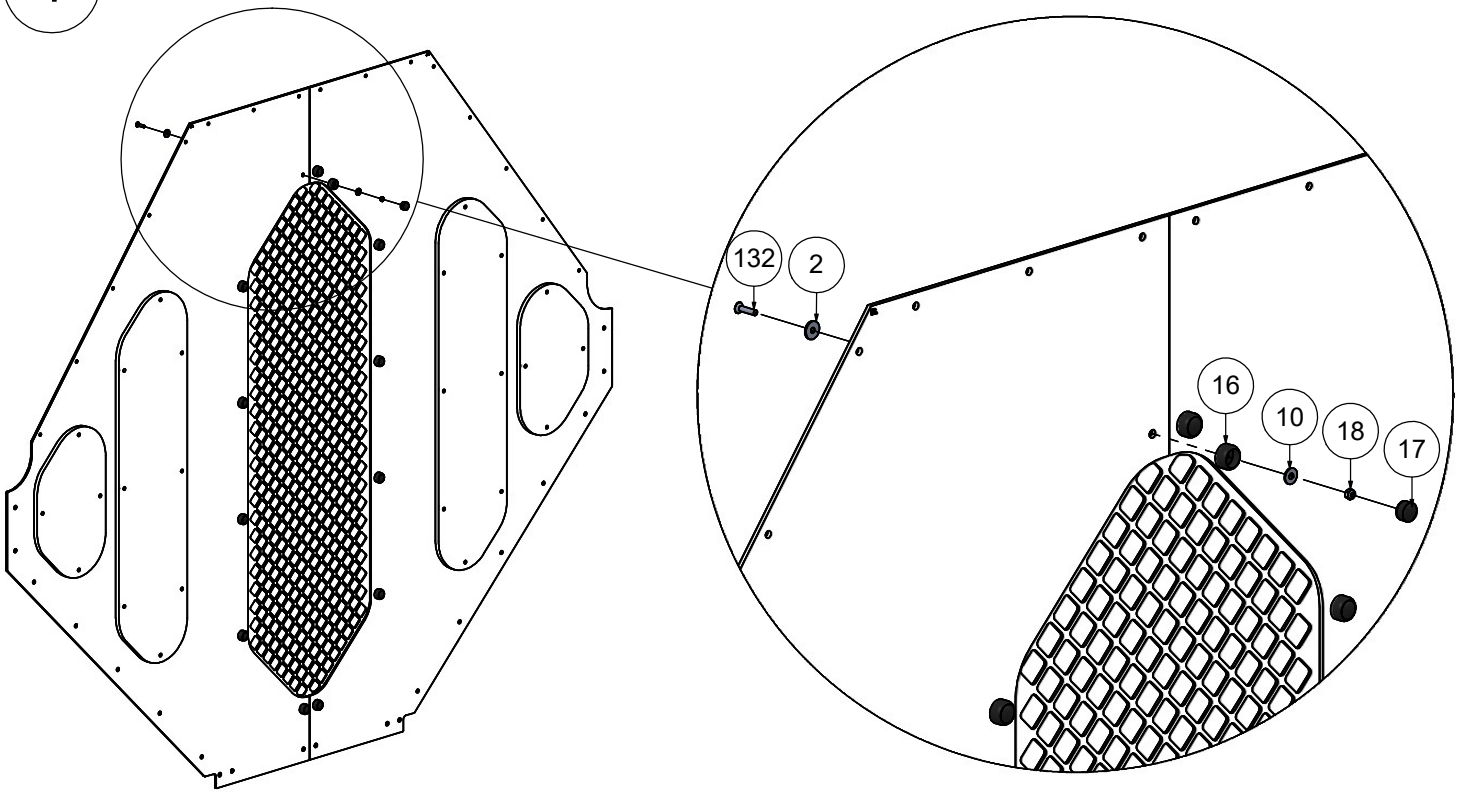




Nr. 4, 5 Nr. 10, 13

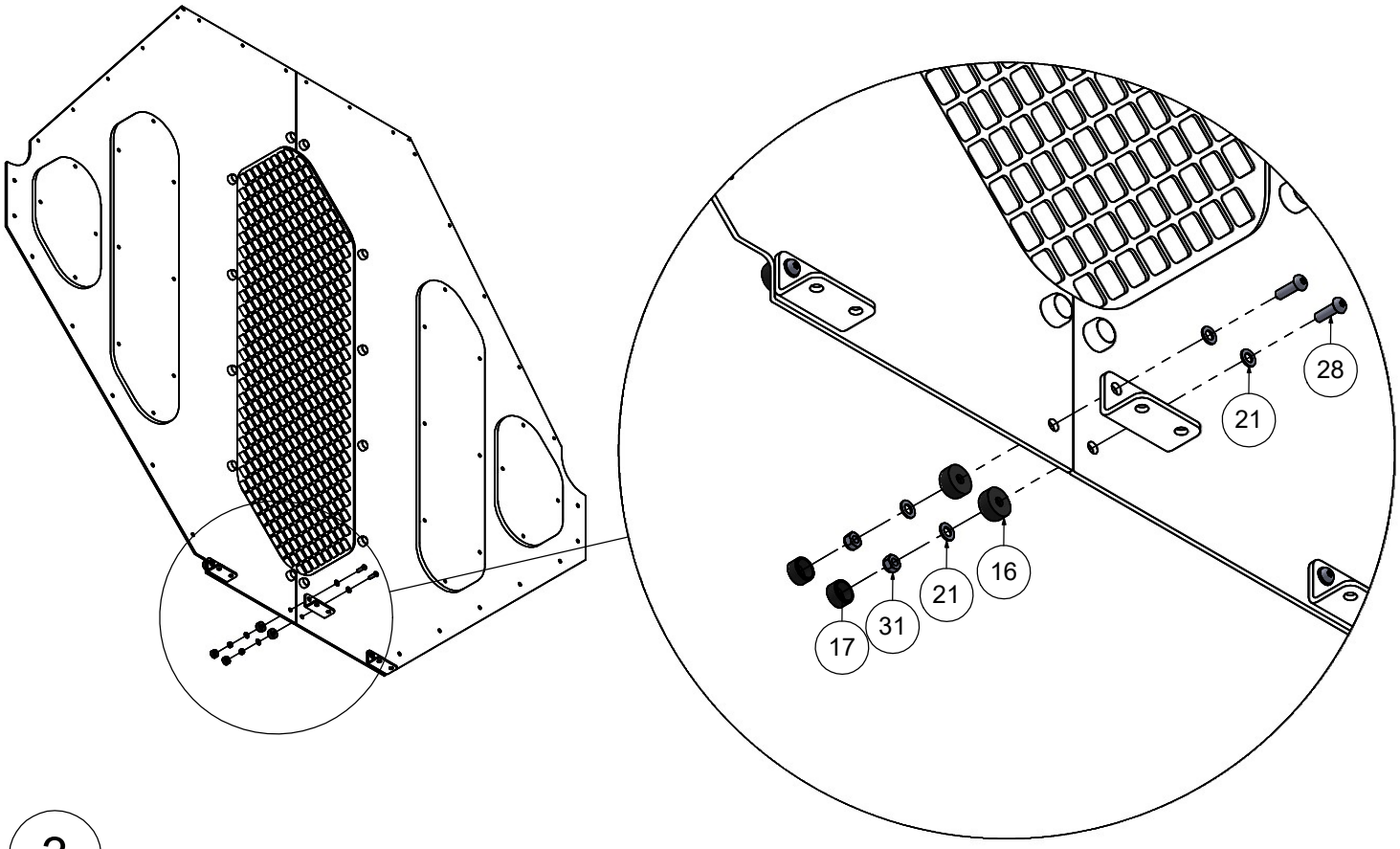
Nr	Σ	Element		
2	12		-	W6x60
10	12		DIN 9021	6x18
16	28		-	K1_d21_B
17	28		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
21	32		DIN 125	8x16
28	10		ISO 7380	M8x25
31	16		DIN 985	M8 (OC)
45	6		ISO 7380	M8x30
132	12		DIN 7991	M6x25

1

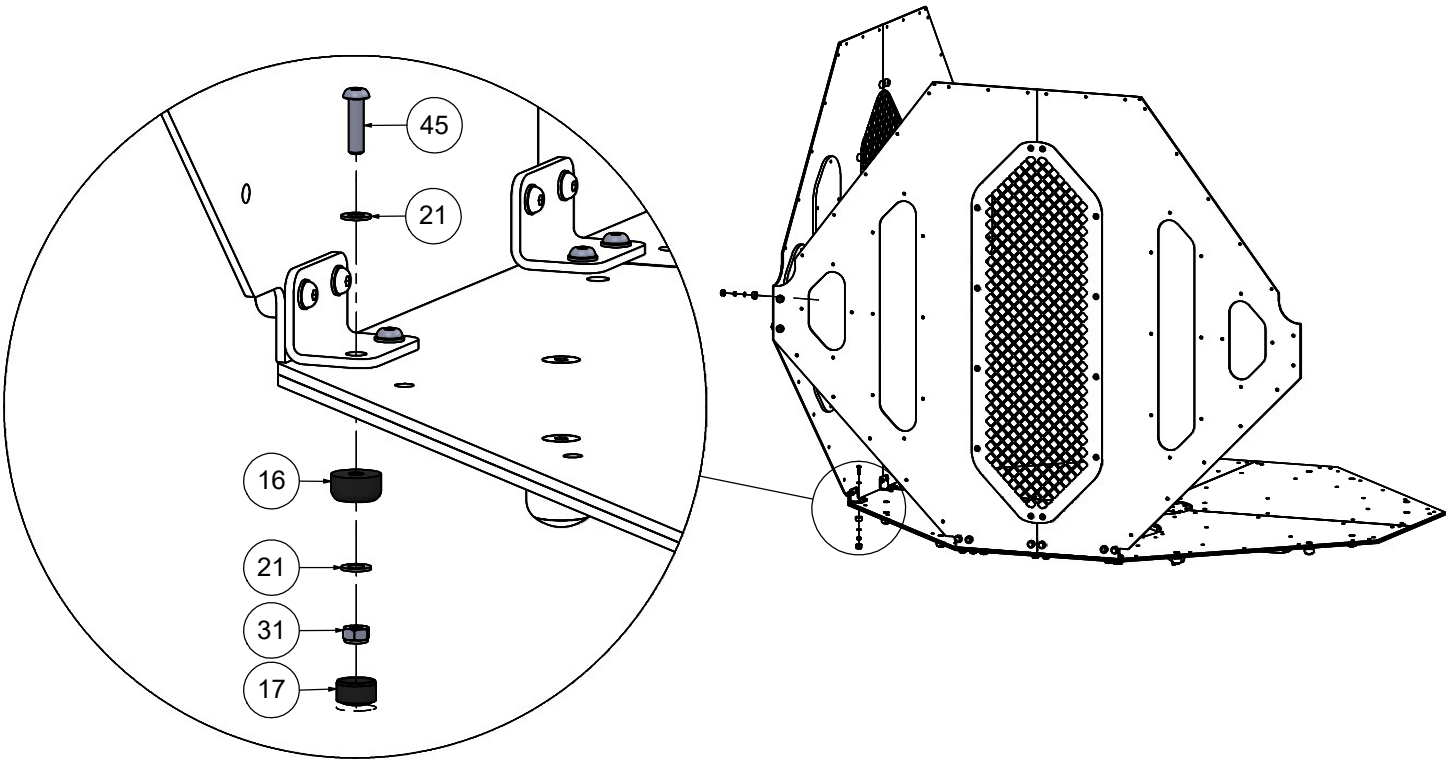


INST_14_38

2

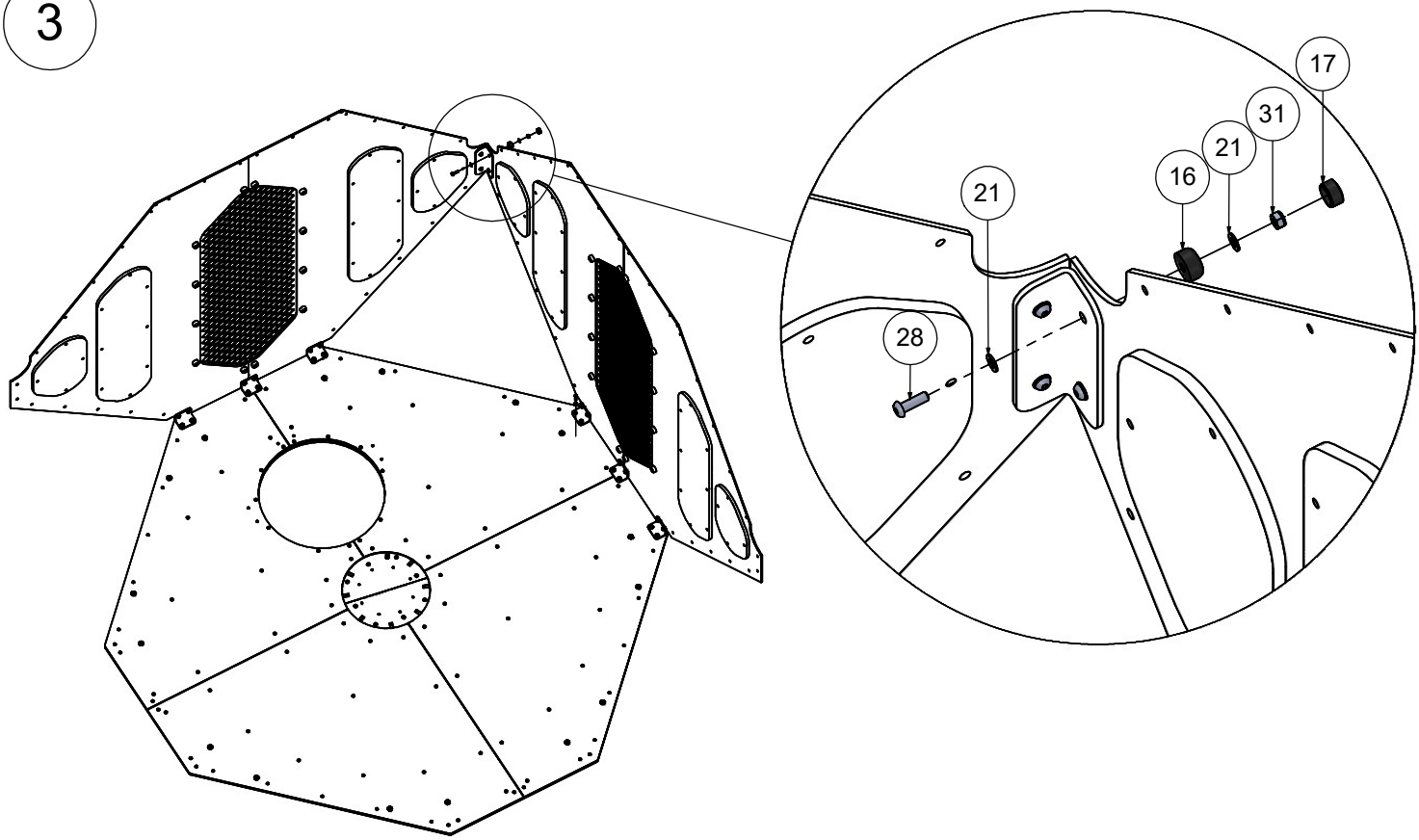


3



INST_14_38

3



INST_14_39A



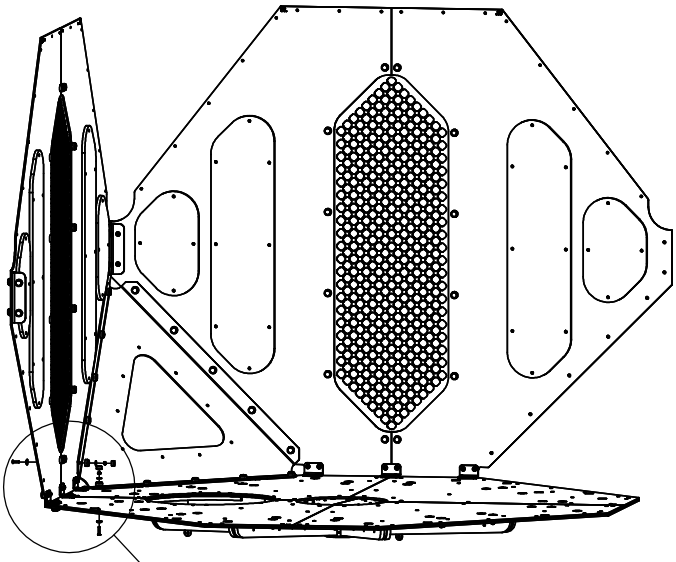
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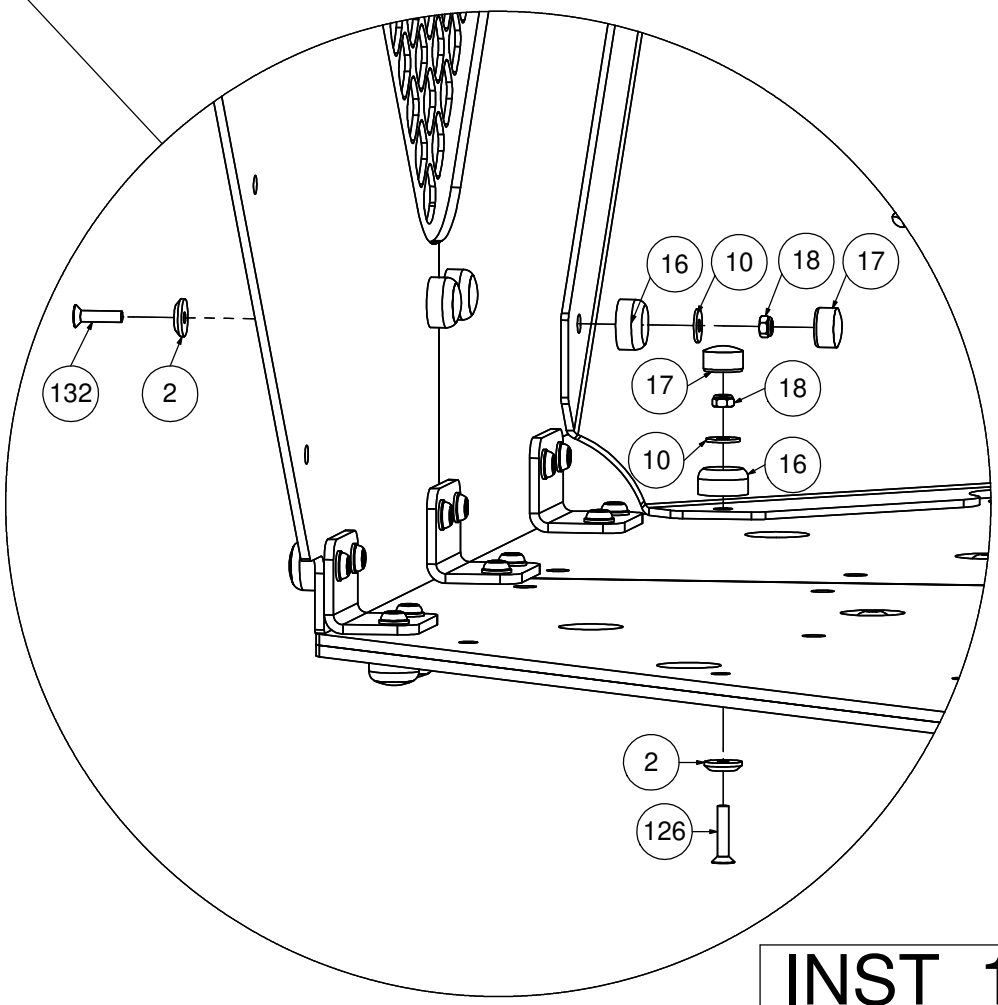


Nr. 10

Nr	Σ	Element		
2	15		-	W6x60
10	15		DIN 9021	6x18
16	15		-	K1_d21_B
17	15		-	Z1_d21_B
18	15		DIN 985	M6 (OC)
126	5		DIN 7991	M6x30
132	10		DIN 7991	M6x25

1





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INST_14_39B



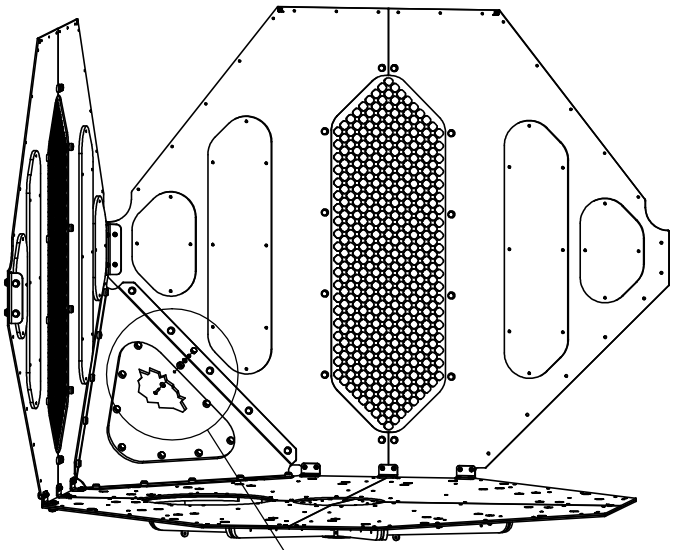
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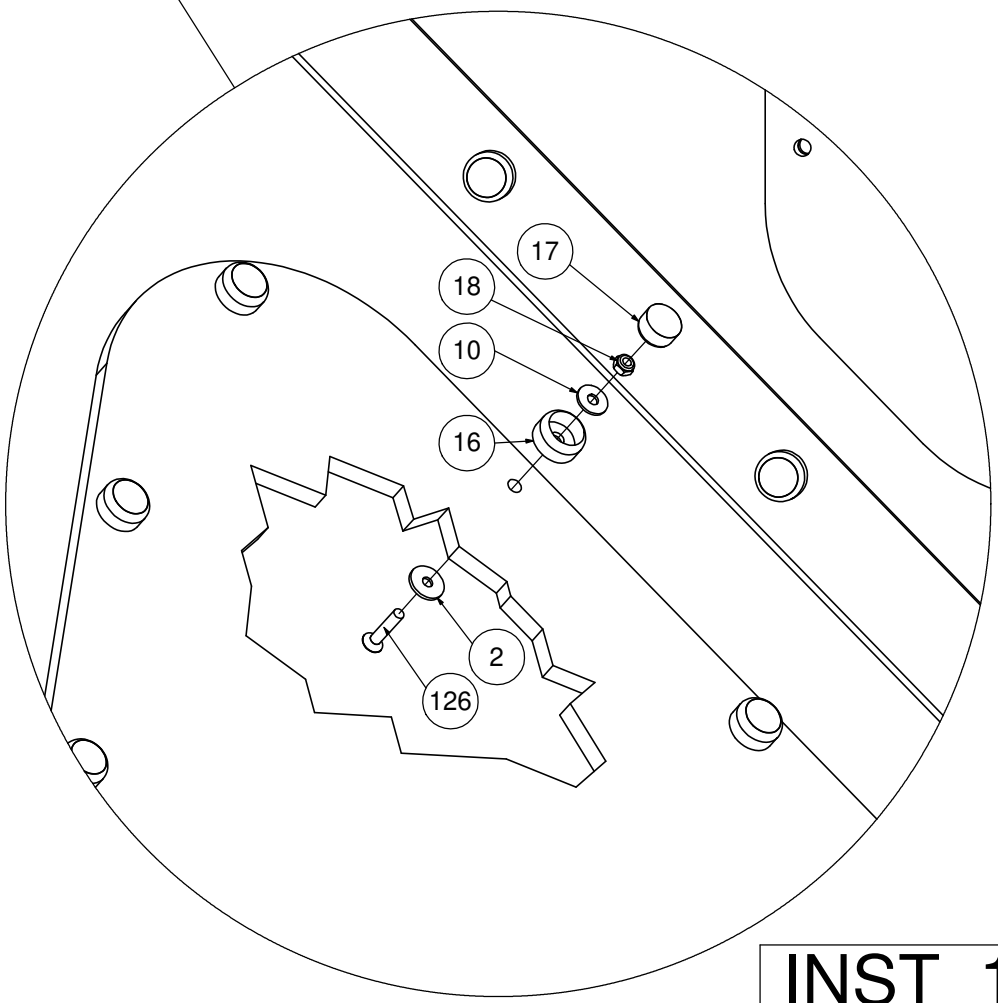


Nr. 10

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)
126	9		DIN 7991	M6x30

1





INST_14_39B 1/1

INST_14_39C

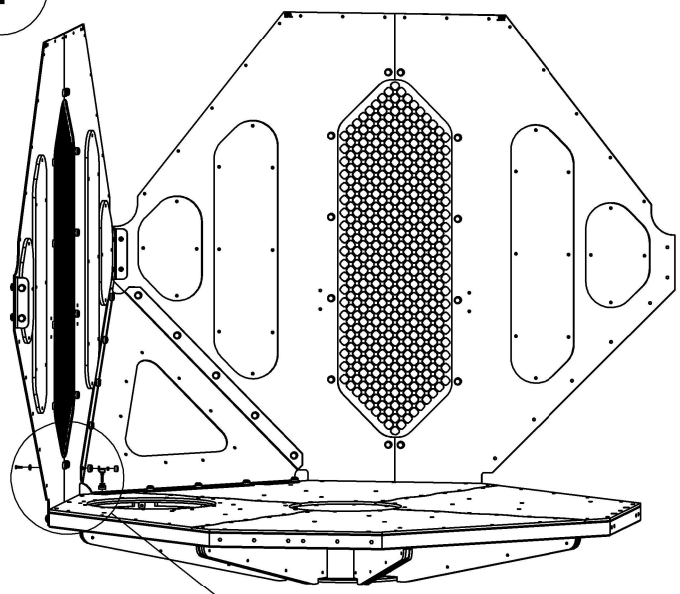


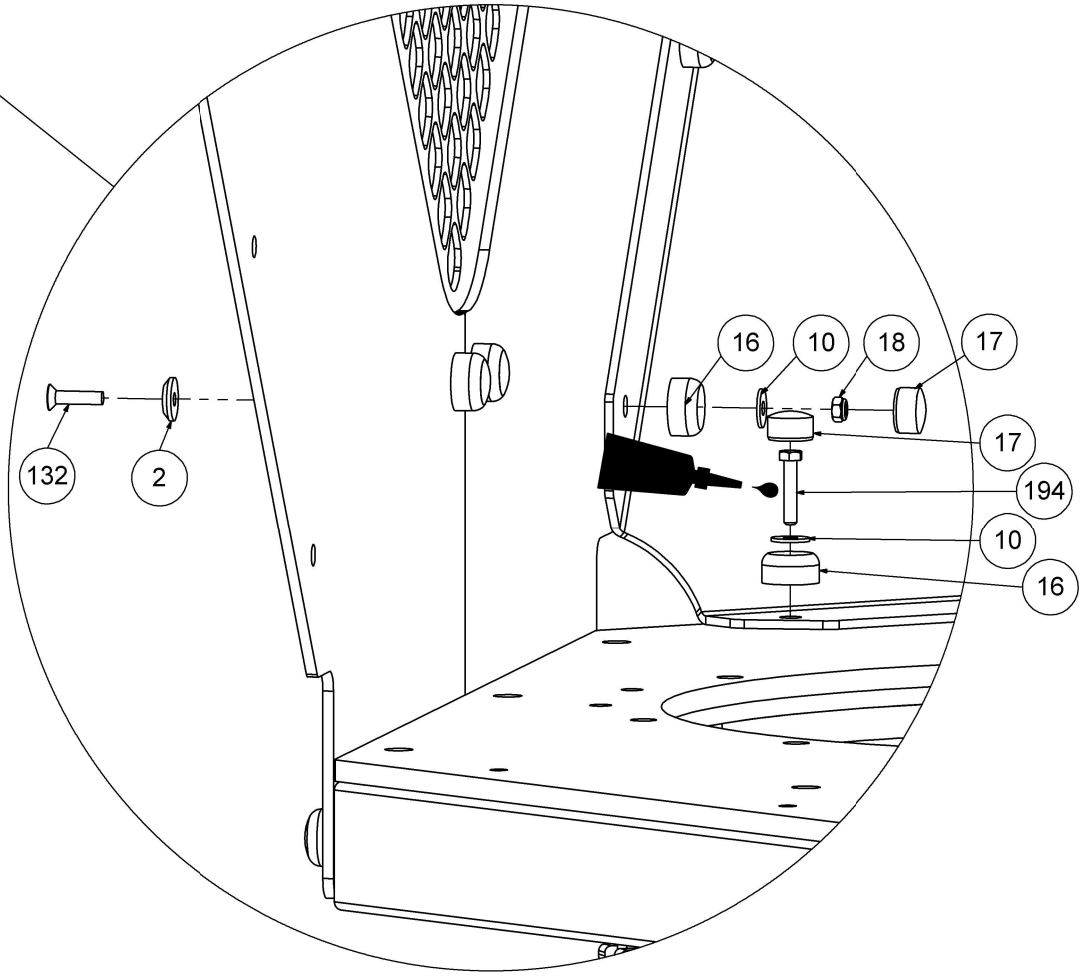
Nr. 4

Nr. 10

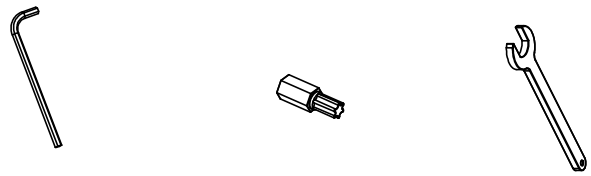
Nr	Σ	Element		
2	10		-	W6x60
10	15		DIN 9021	6x18
16	15		-	K1_d21_B
17	15		-	Z1_d21_B
18	10		DIN 985	M6 (OC)
132	10		DIN 7991	M6x25
194	5		DIN 933	M6x30 (OC)

1

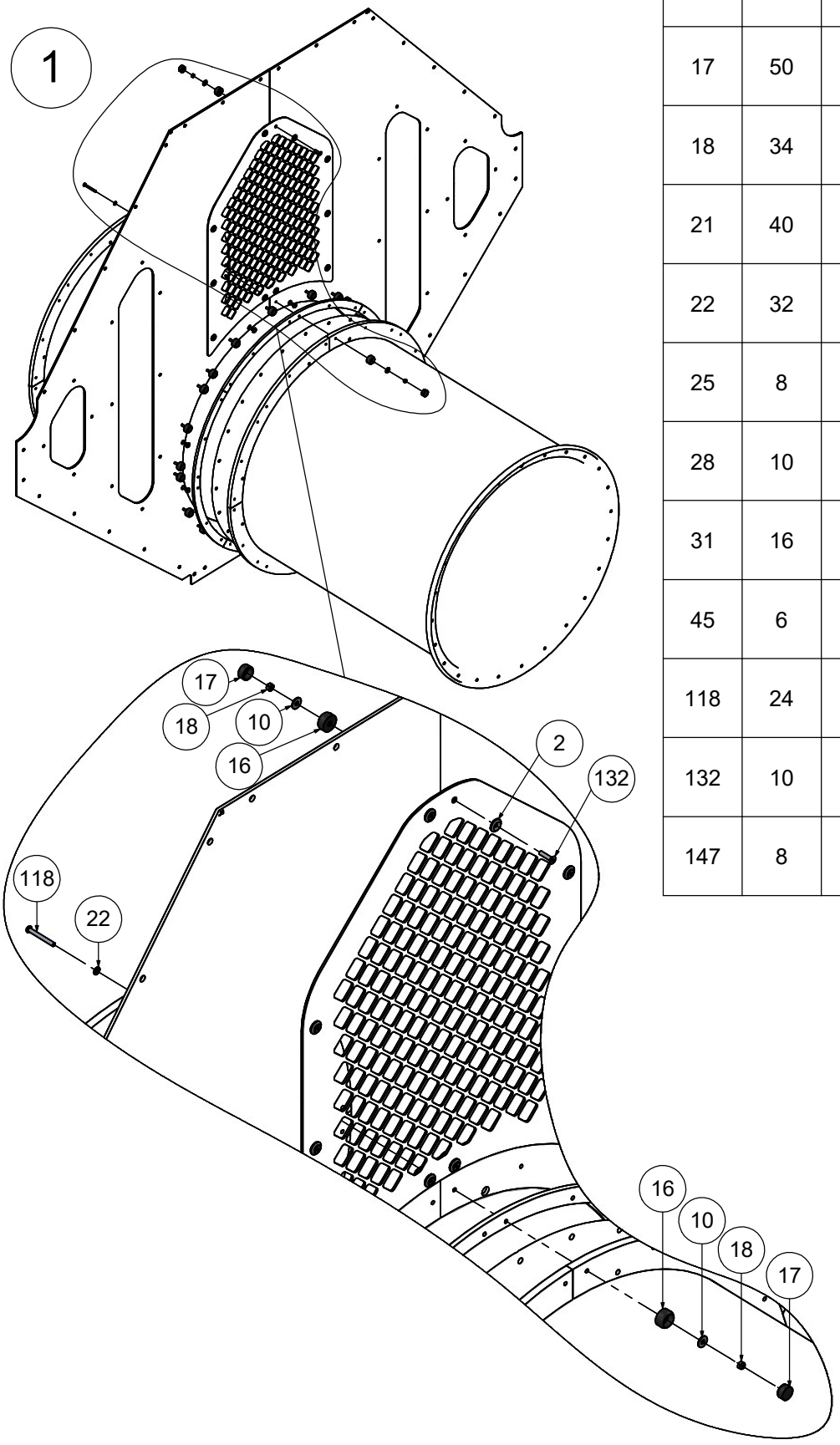




INST_14_40



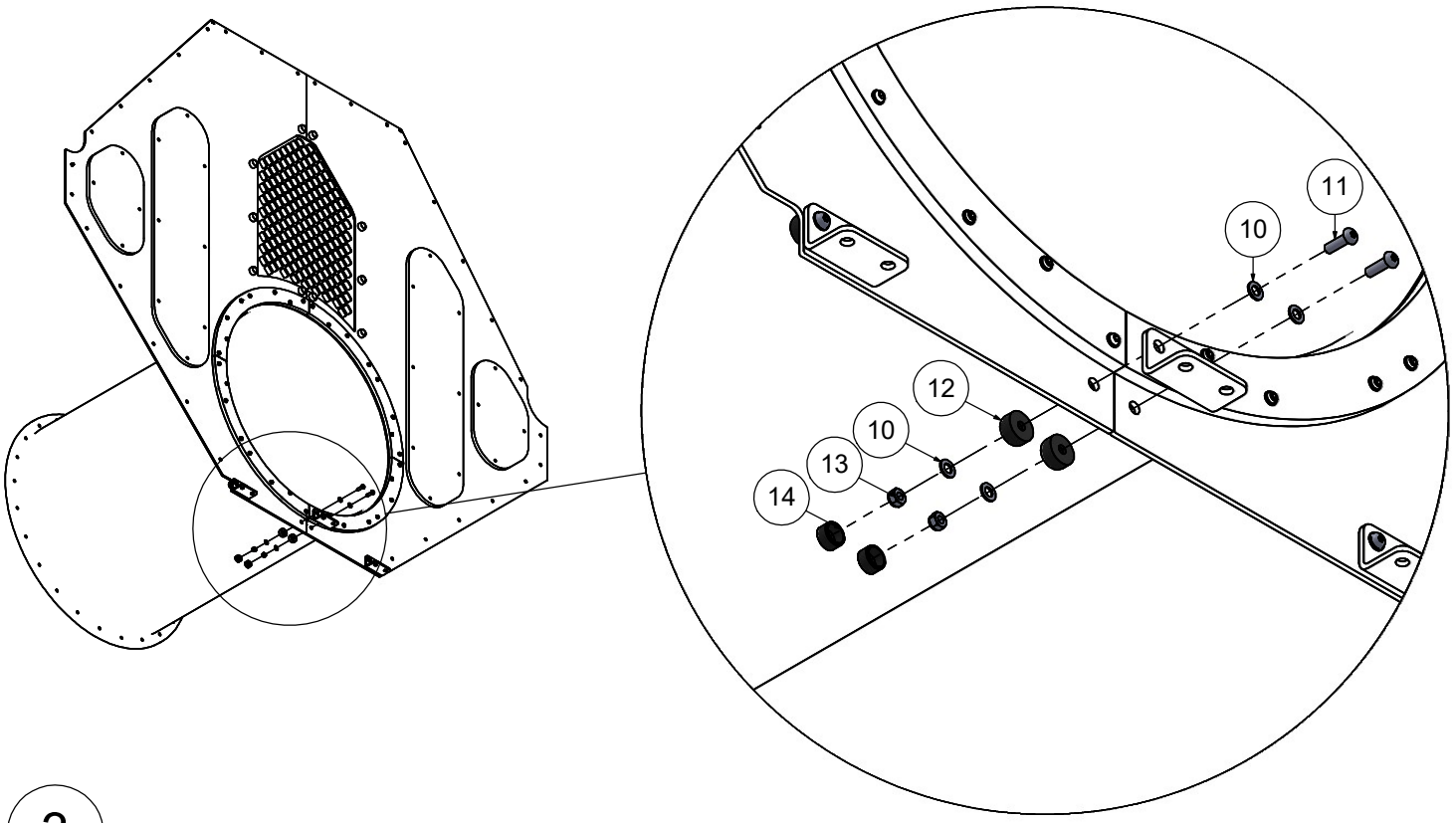
Nr. 4, 5 Nr. T30 Nr. 10, 13



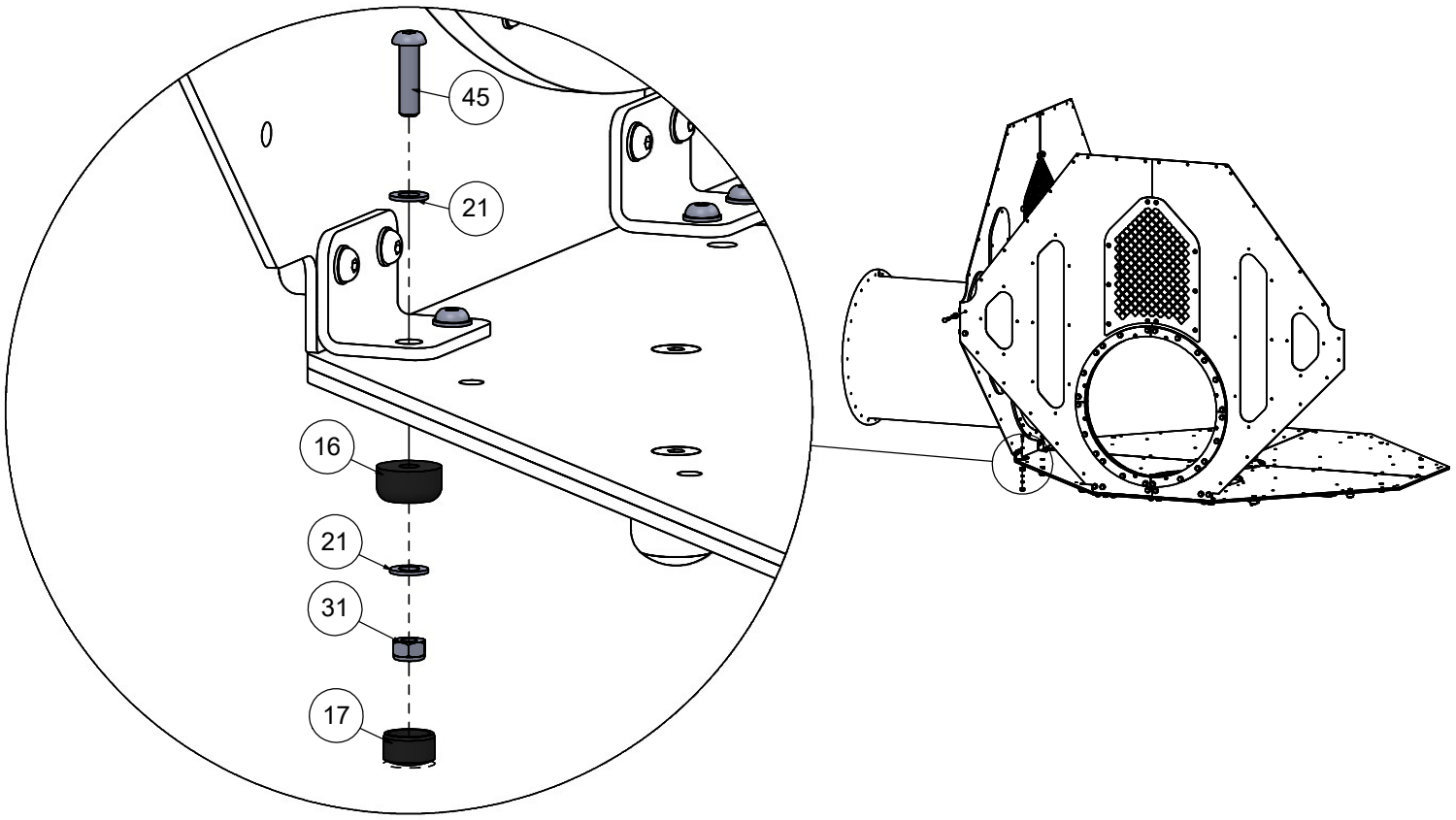
Nr	Σ	Element		
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10	34		DIN 9021	6x18
16	50		-	K1_d21_B
17	50		-	Z1_d21_B
18	34		DIN 985	M6 (OC)
21	40		DIN 125	8x16
22	32		DIN 125	6x12
25	8		ISO 7380	M6x35
28	10		ISO 7380	M8x25
31	16		DIN 985	M8 (OC)
45	6		ISO 7380	M8x30
118	24		ISO 7380	M6x50
132	10		DIN 7991	M6x25
147	8		-	M6x10

INST_14_40

2

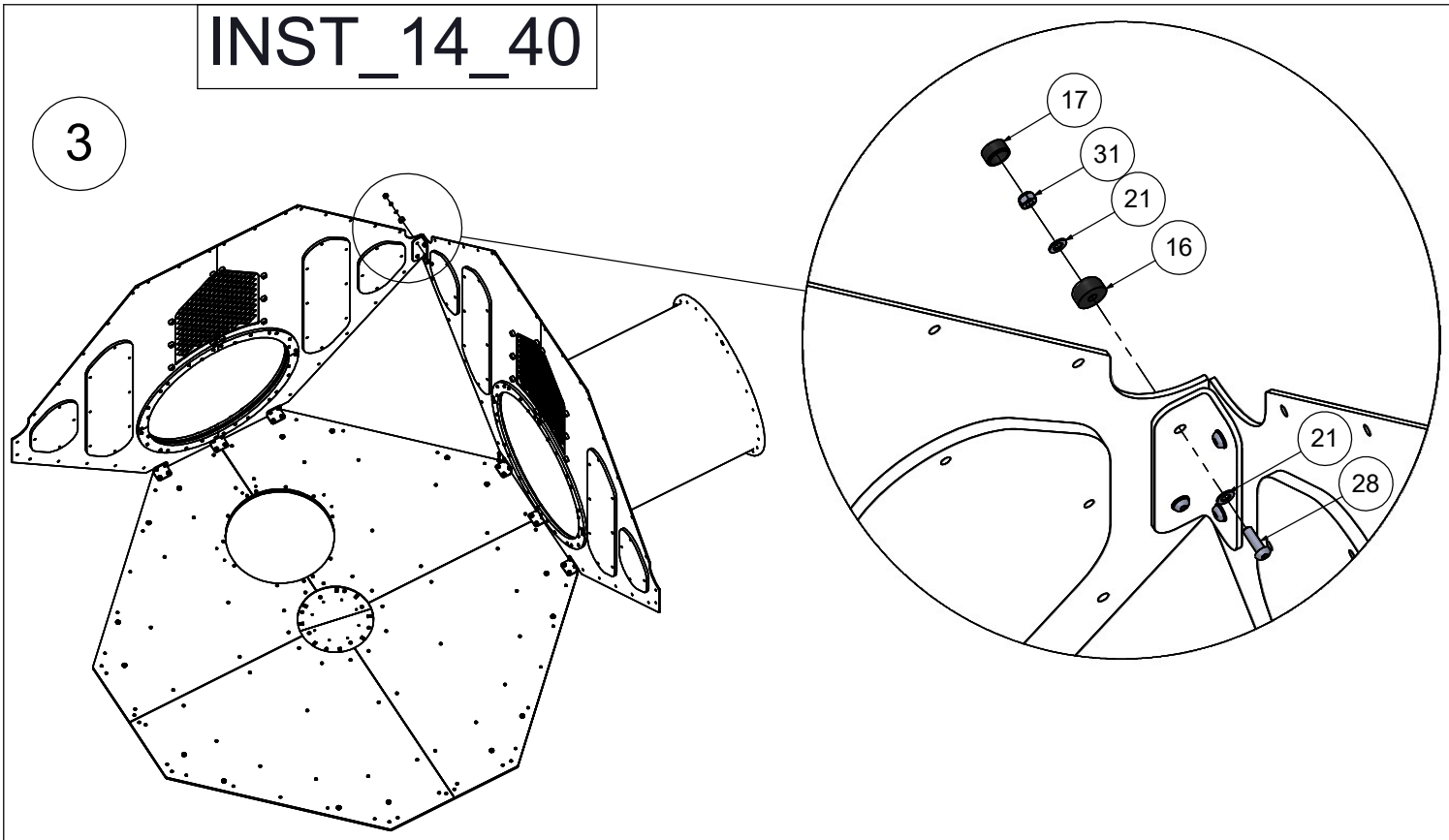


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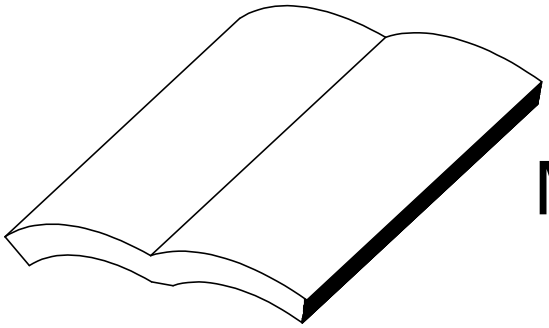


INST_14_40

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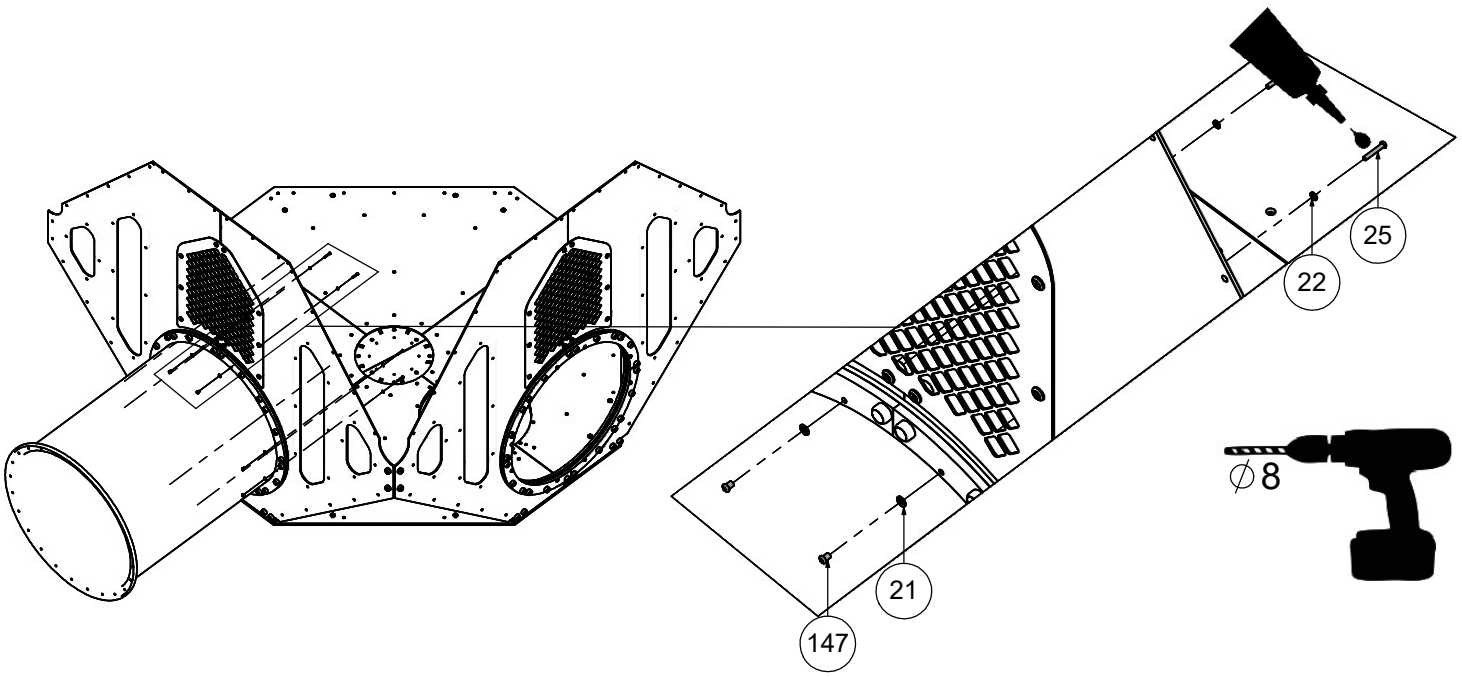


4

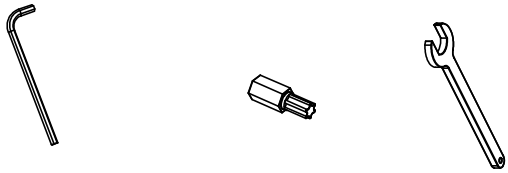


MTS....

5



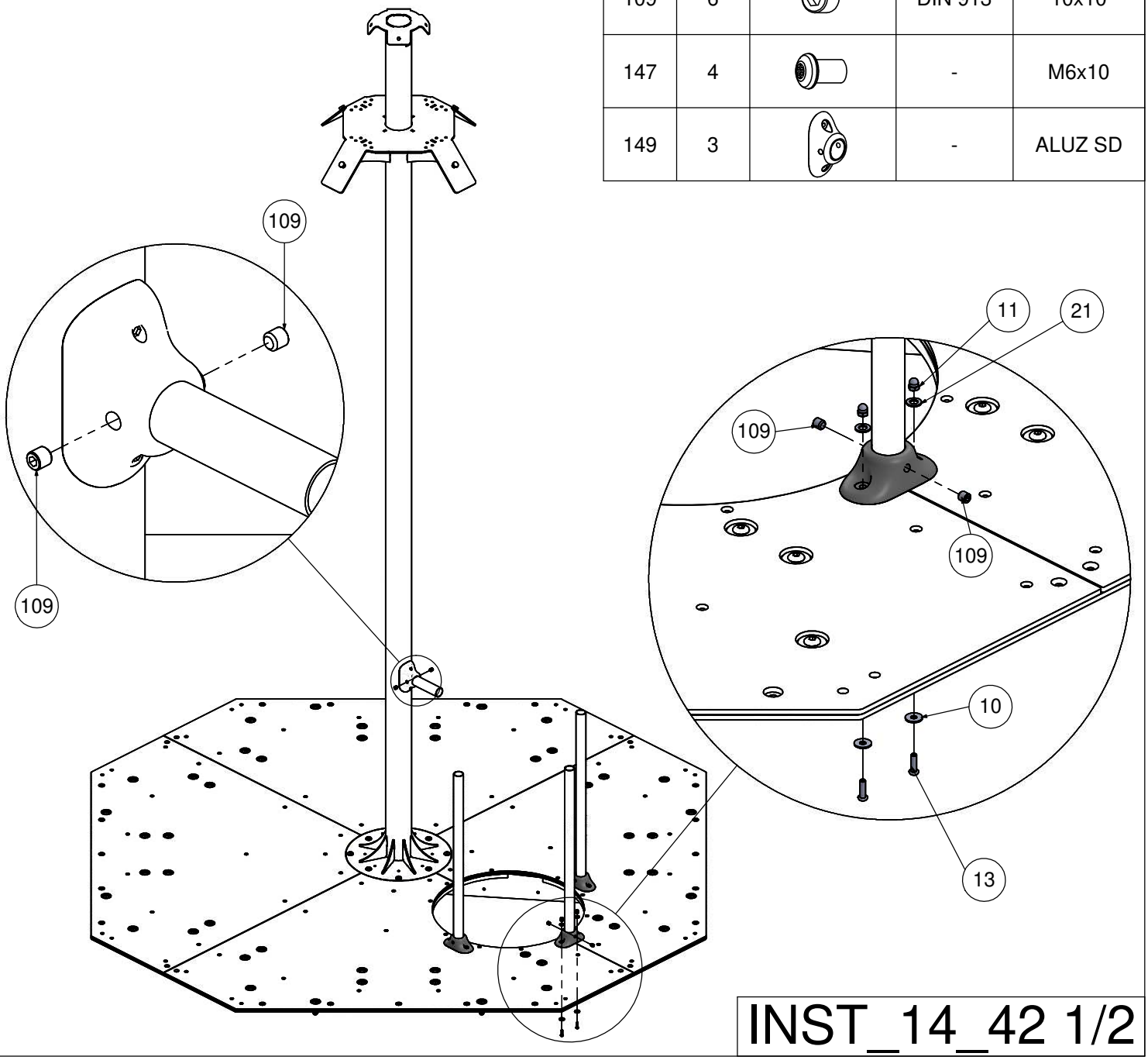
INST_14_42



Nr. 4, 5 Nr. T30 Nr. 13

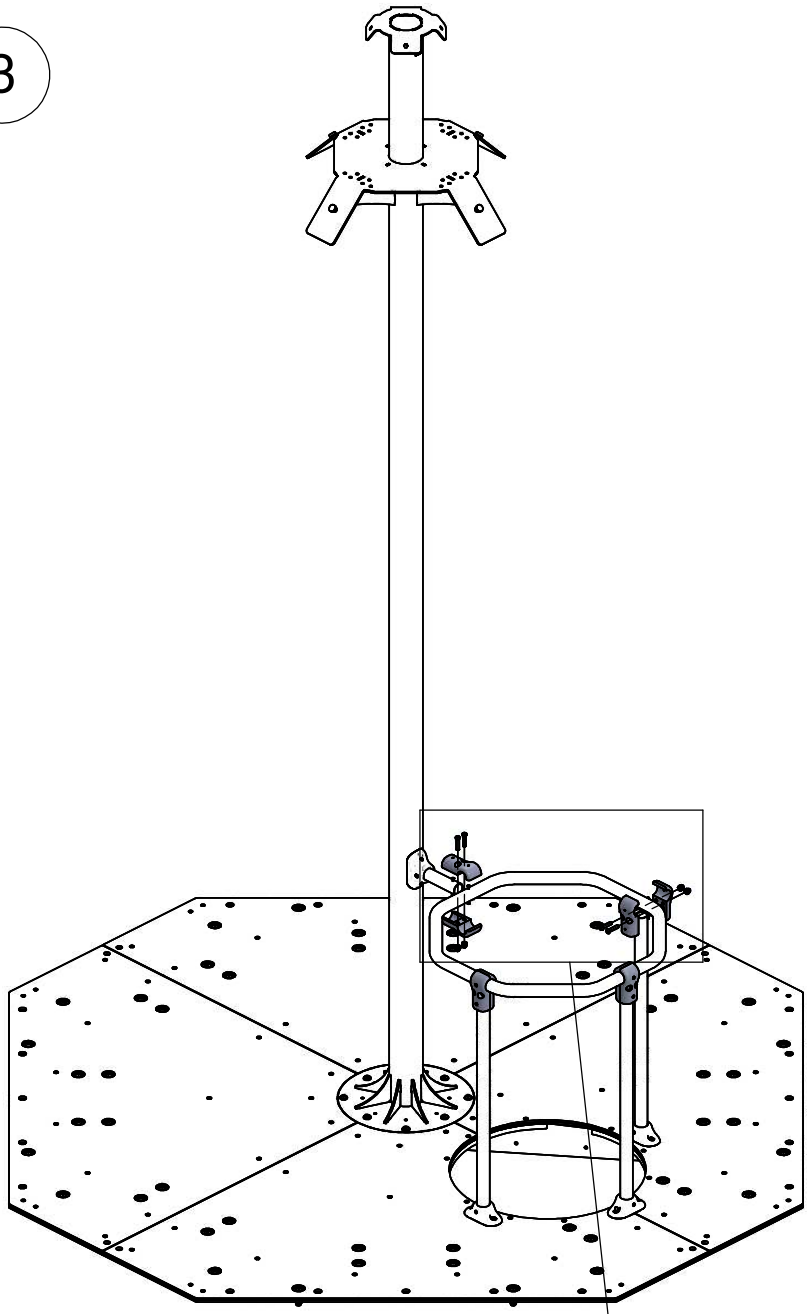
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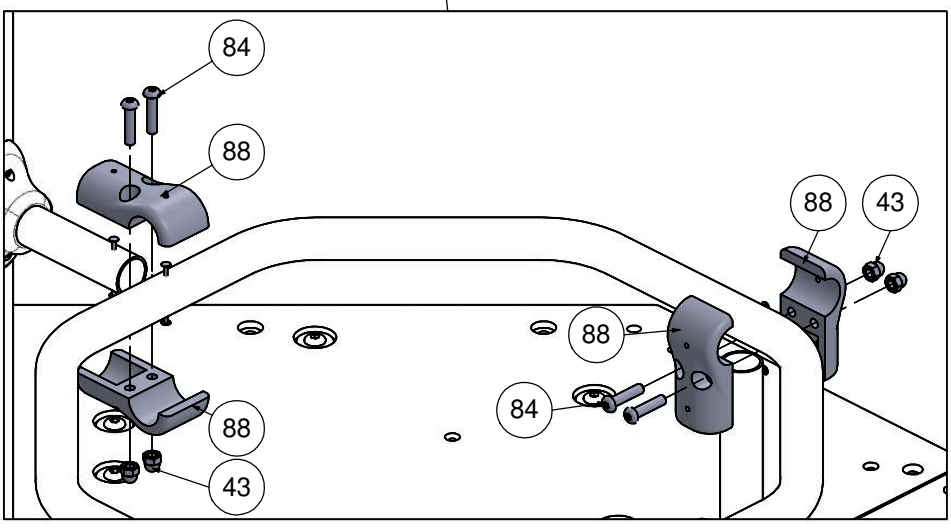
Nr	Σ	Element		
10	2		DIN 9021	6x18
11	2		DIN 1587	M6
13	6		ISO 7380	M6x20
21	10		DIN 125	8x16
43	8		DIN 1587	M8
84	8		ISO 7380	M8x35
88	4		-	ALUZ RR
109	6		DIN 913	10x10
147	4		-	M6x10
149	3		-	ALUZ SD



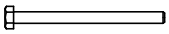
INST_14_42

3

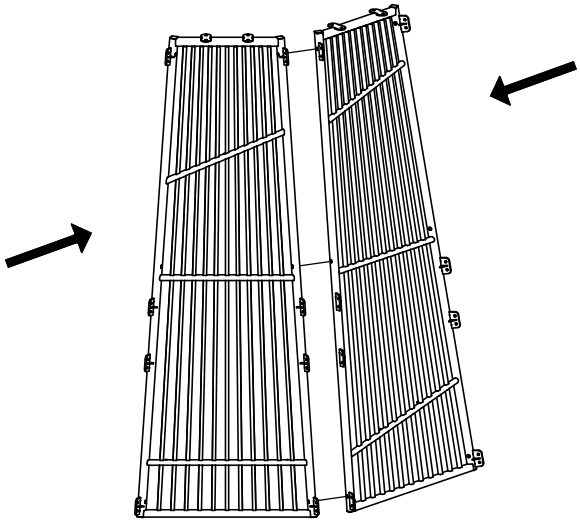




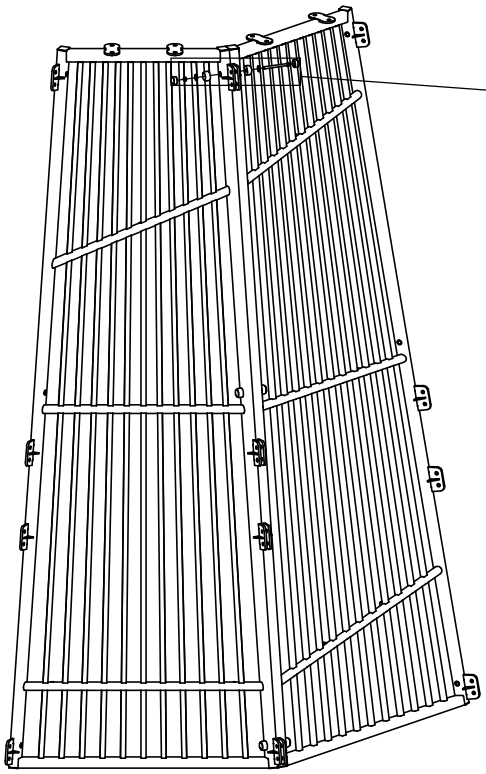
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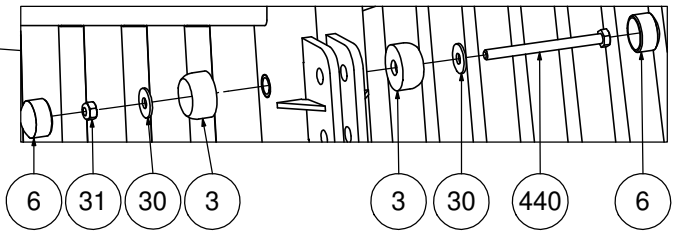
Nr	Σ	Element		
3	6		-	K2_d30_B
6	6		-	Z2_d30_B
30	6		DIN 9021	8x24
31	3		DIN 985	M8 (OC)
440	3		DIN 931	M8x100

1



2





INST_14_44

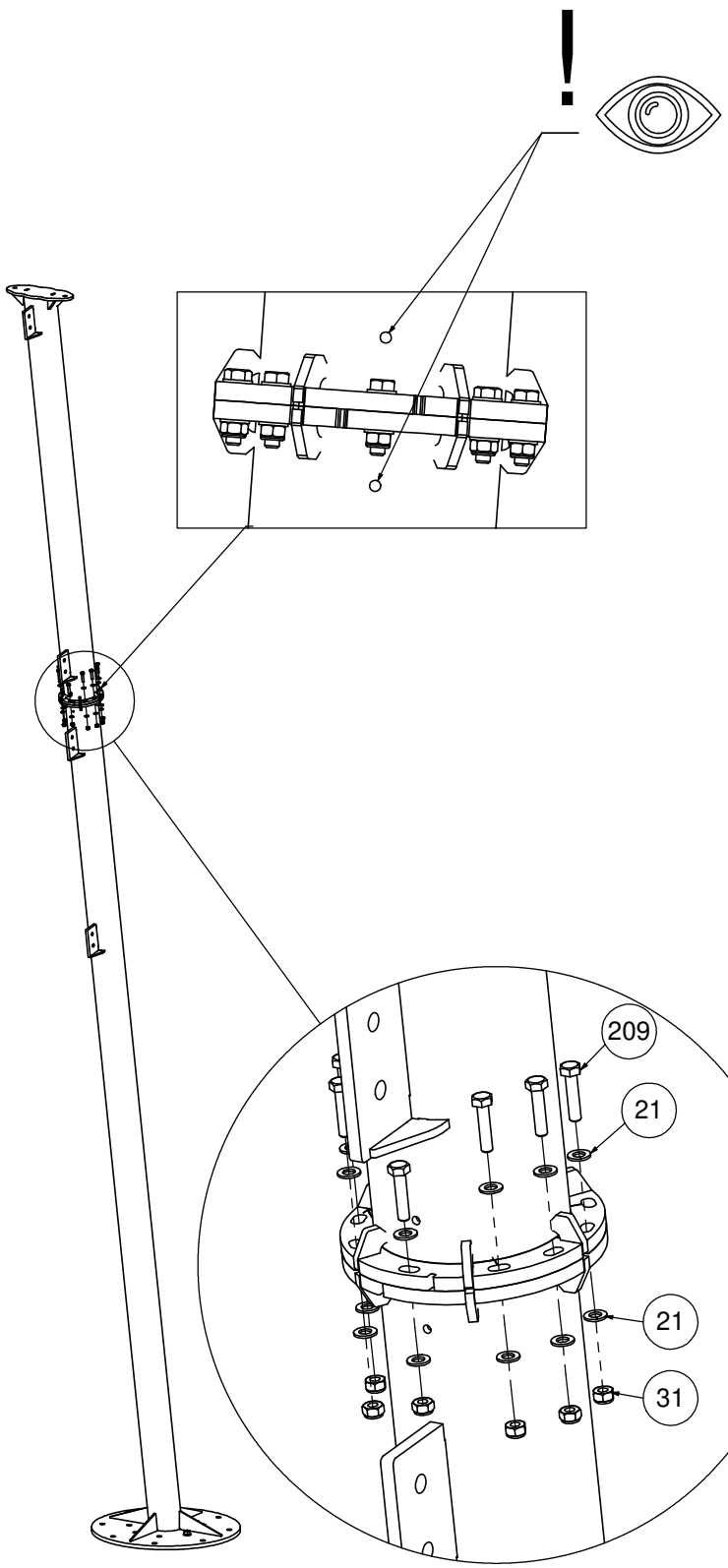


Nr. 4, 6



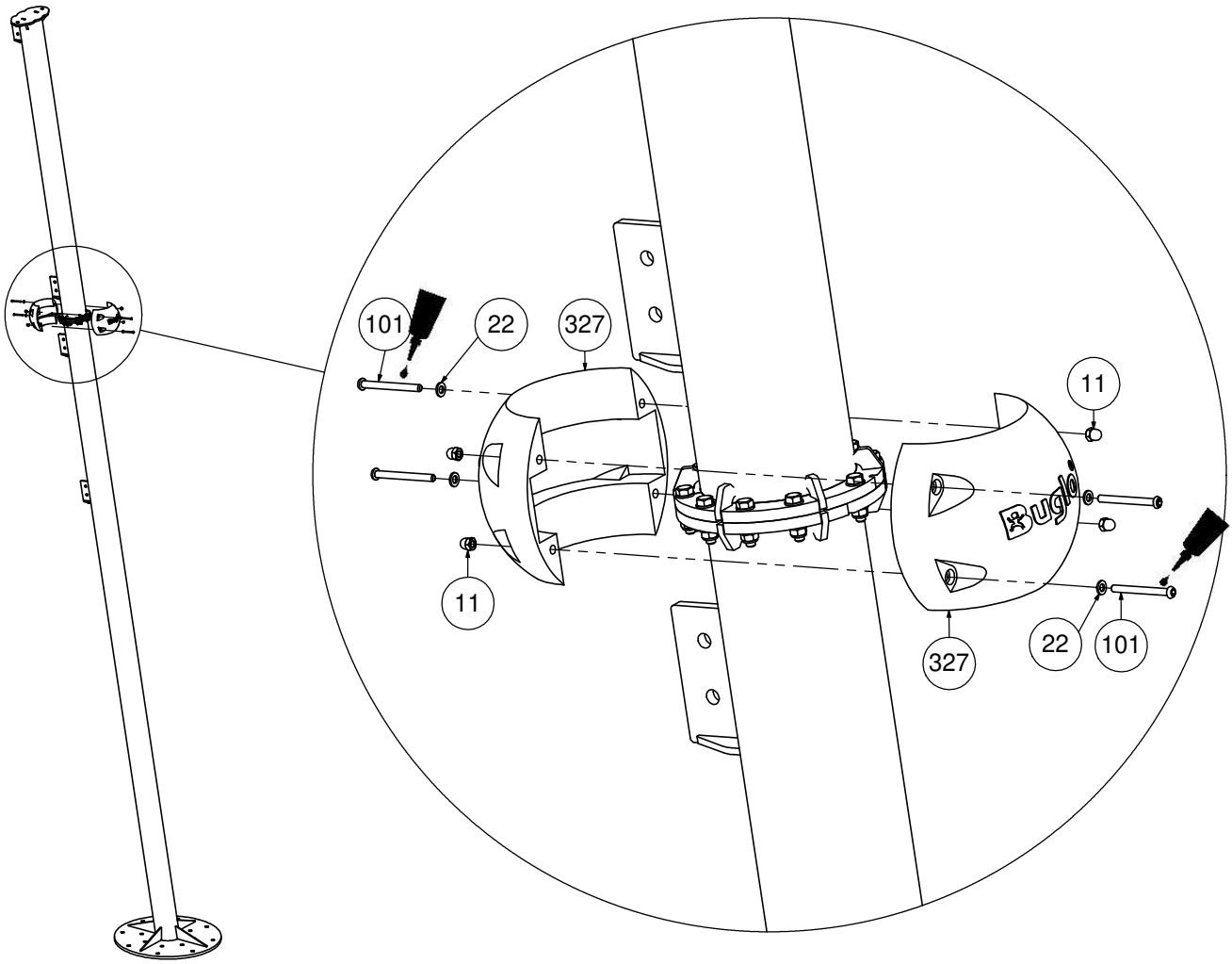
Nr. 10, 13, 17, 24

1

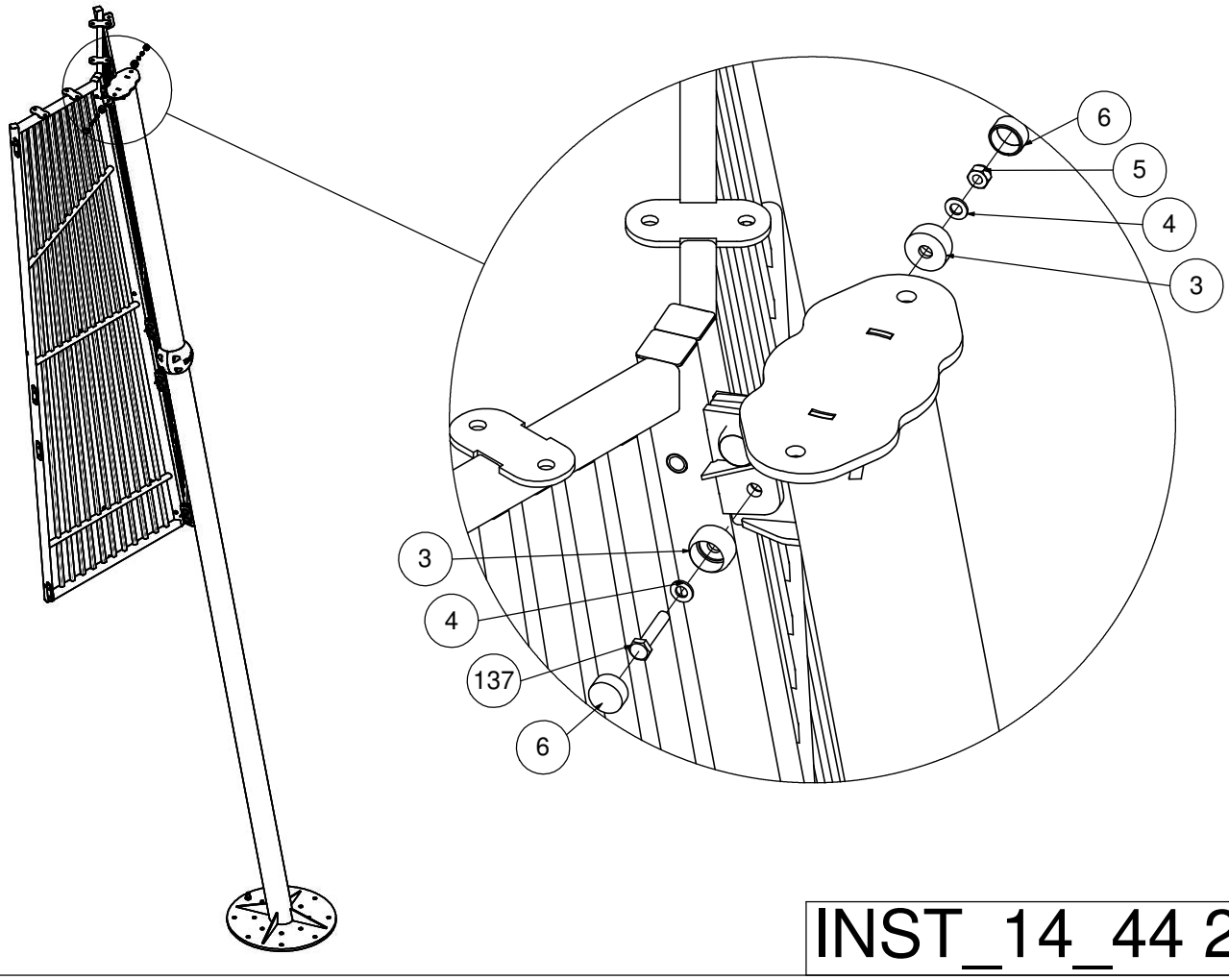


Nr	Σ	Element		
3	16		-	K2_d30_B
4	16		DIN 125	10x20
5	8		DIN 985	M10
6	16		-	Z2_d30_B
11	4		DIN 1587	M6
21	20		DIN 125	8x16
22	4		DIN 125	6x12
31	10		DIN 985	M8 (OC)
58	1		-	LOCTITE
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
101	4		ISO 7380	M6x60
137	8		DIN 931	M10x50
209	10		DIN 933	M8x35
327	2		-	MLR133
526	-		-	KCH
531	16	25cm	-	S4_1400_82

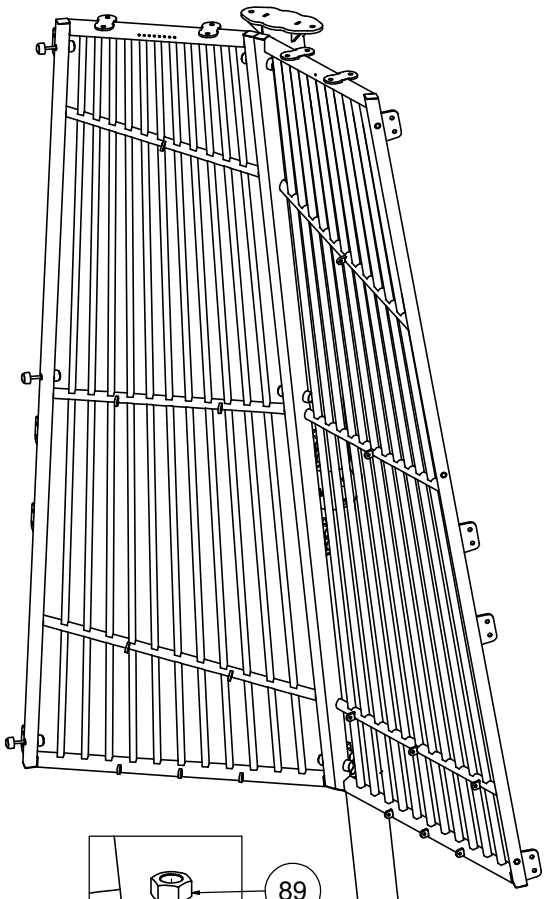
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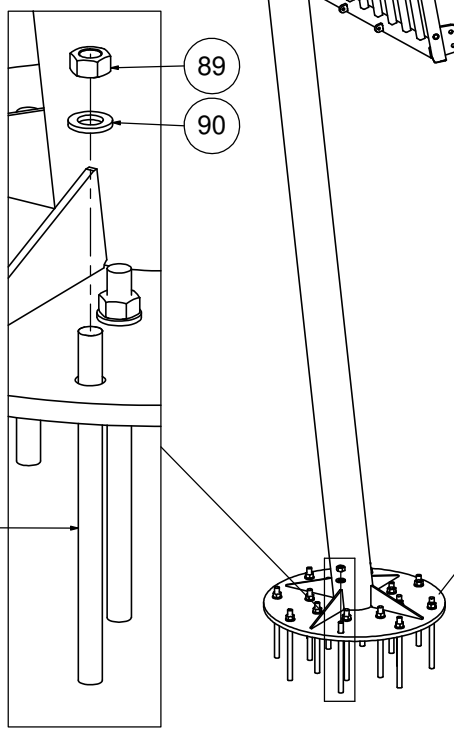


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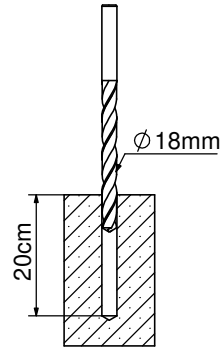


INST_14_44

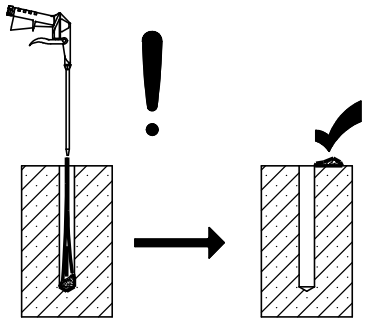




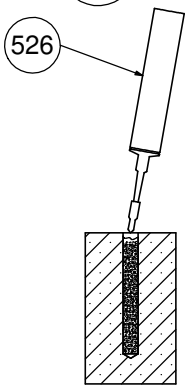
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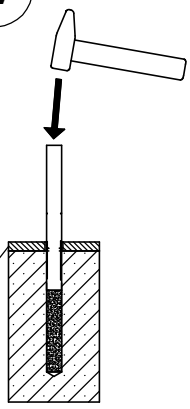
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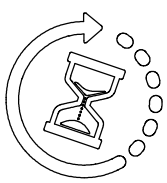
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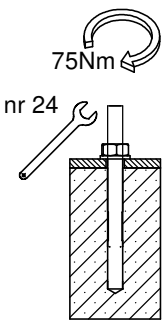
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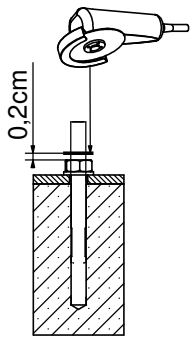
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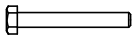
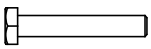
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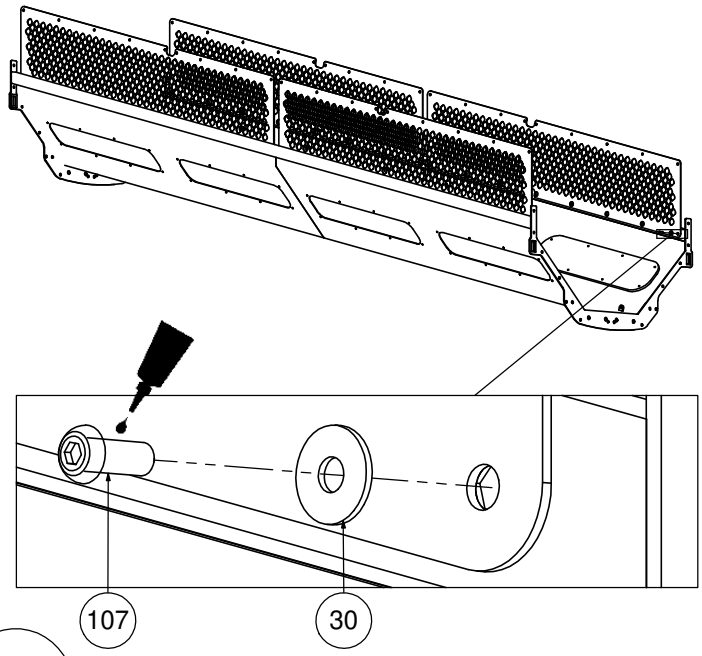
VII



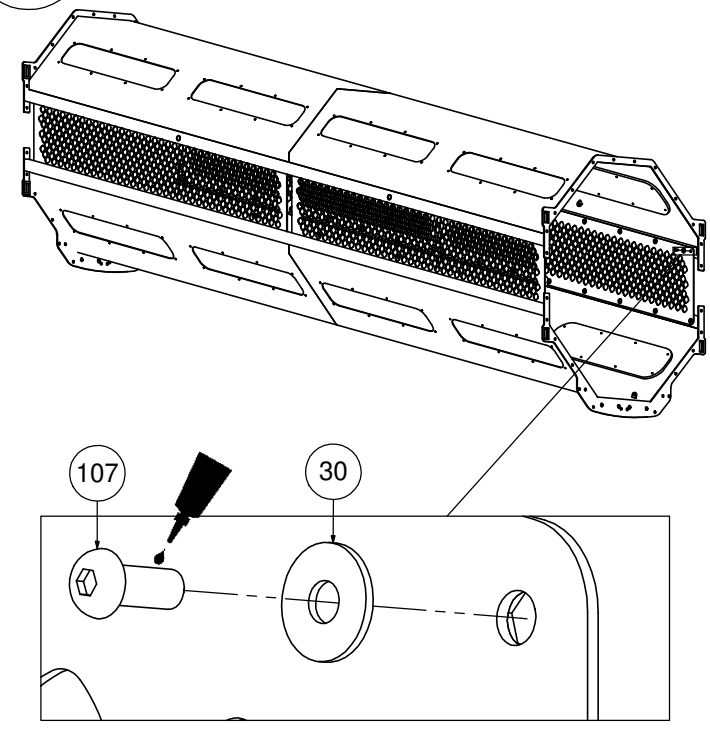
INST_14_46

Nr	Σ	Element		
3	8		-	K2_d30_B
5	4		DIN 985	M10
6	8		-	Z2_d30_B
9	40		ISO 7380	M6x25
10	80		DIN 9021	6x18
16	48		-	K1_d21_B
17	48		-	Z1_d21_B
18	40		DIN 985	M6 (OC)
21	20		DIN 125	8x16
30	72		DIN 9021	8x24
31	12		DIN 985	M8 (OC)
32	4		DIN 931	M8x60
43	4		DIN 1587	M8
45	8		ISO 7380	M8x30
58	1		-	LOCTITE
74	1		DIN 985	M12 (OC)
103	8		DIN 9021	10x30
107	64		ISO 7380	M8x20
215	4		DIN 7991	M8x30
466	4		DIN 933	M10x60

1

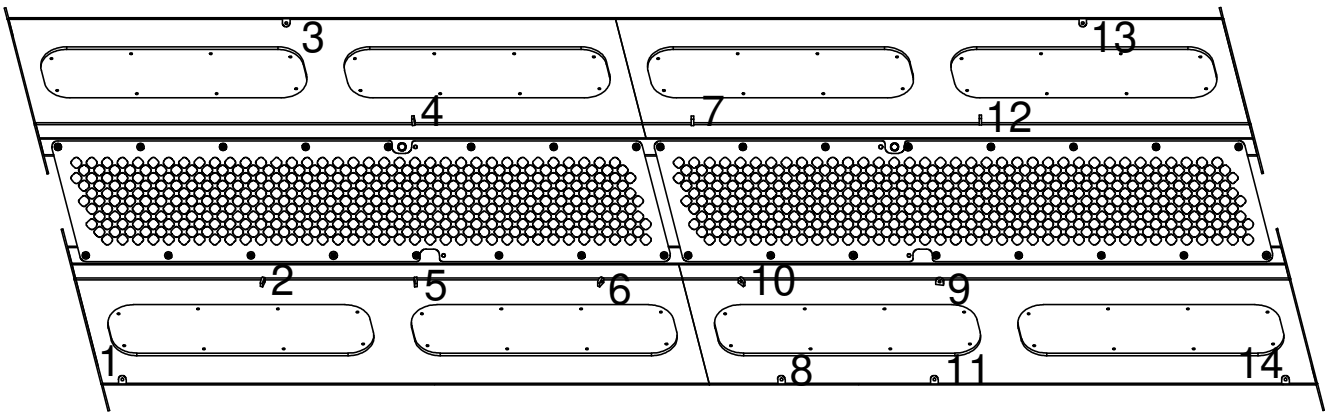


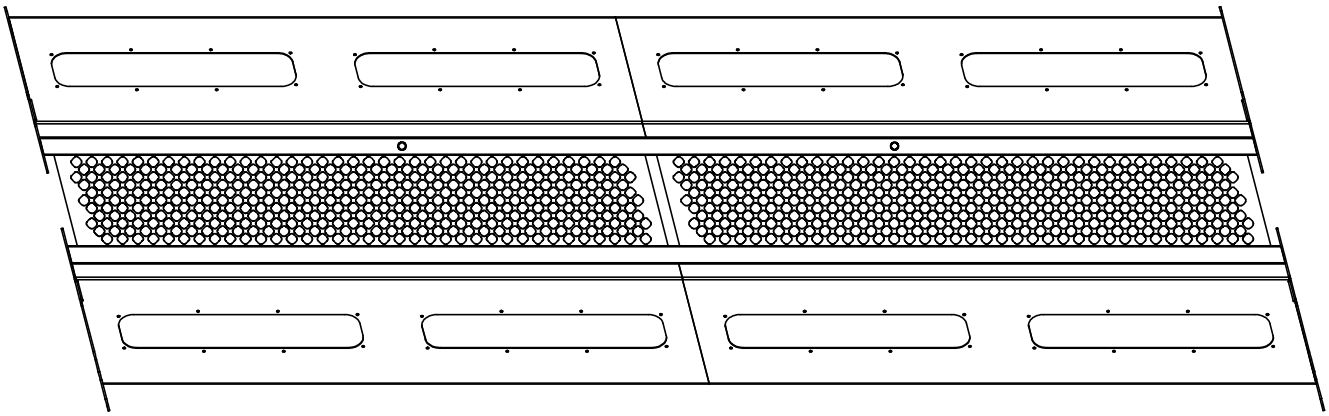
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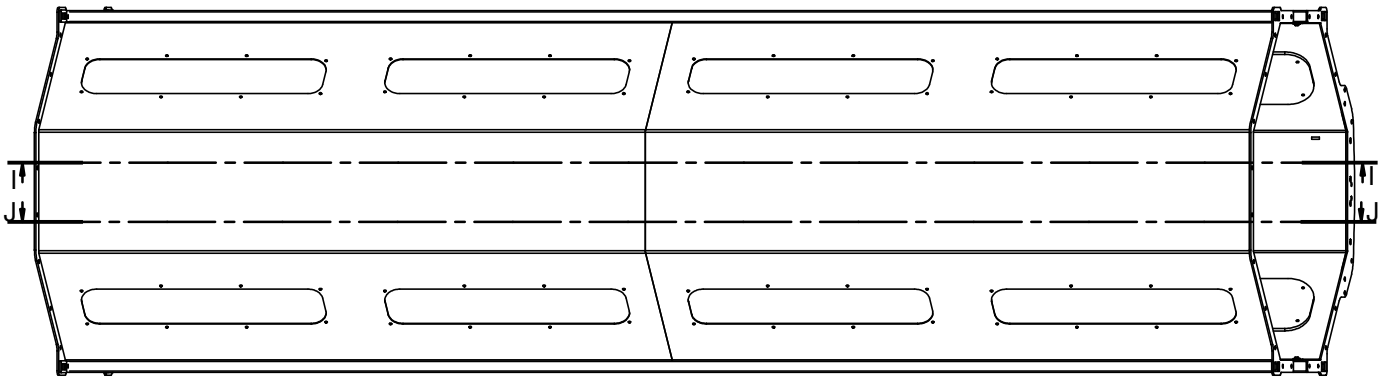


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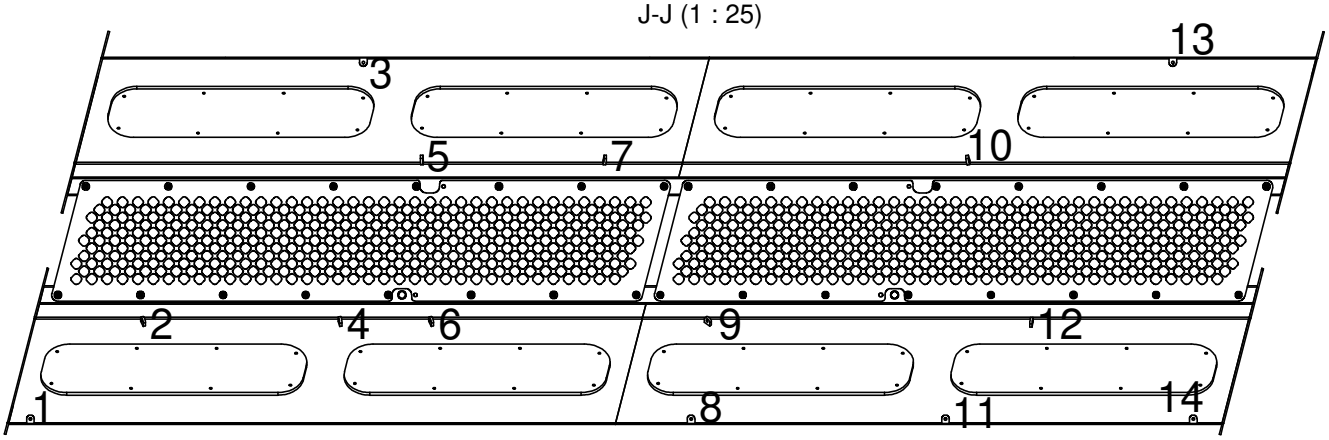
I-I (1 : 25)



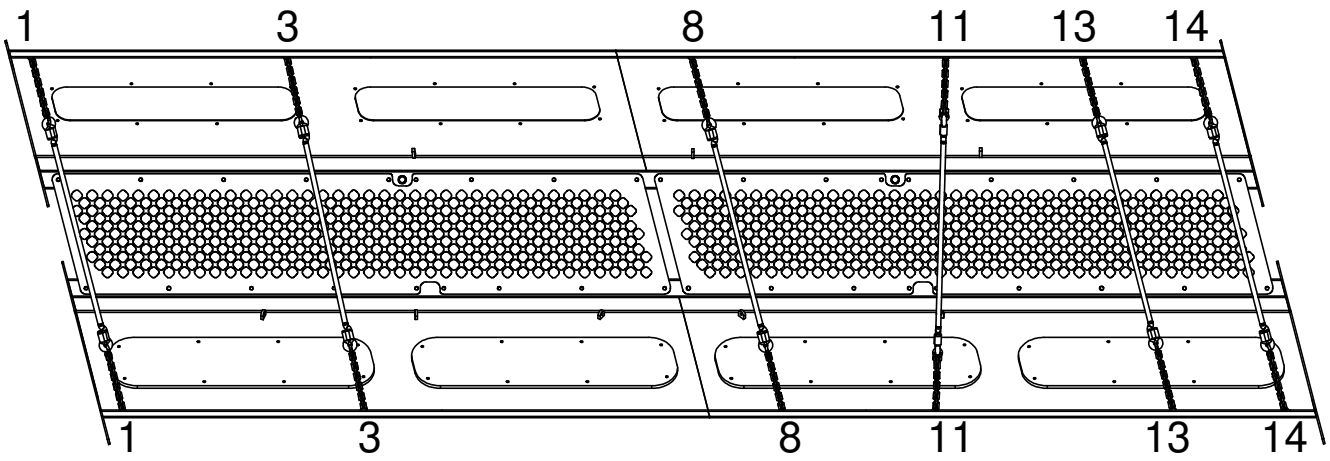


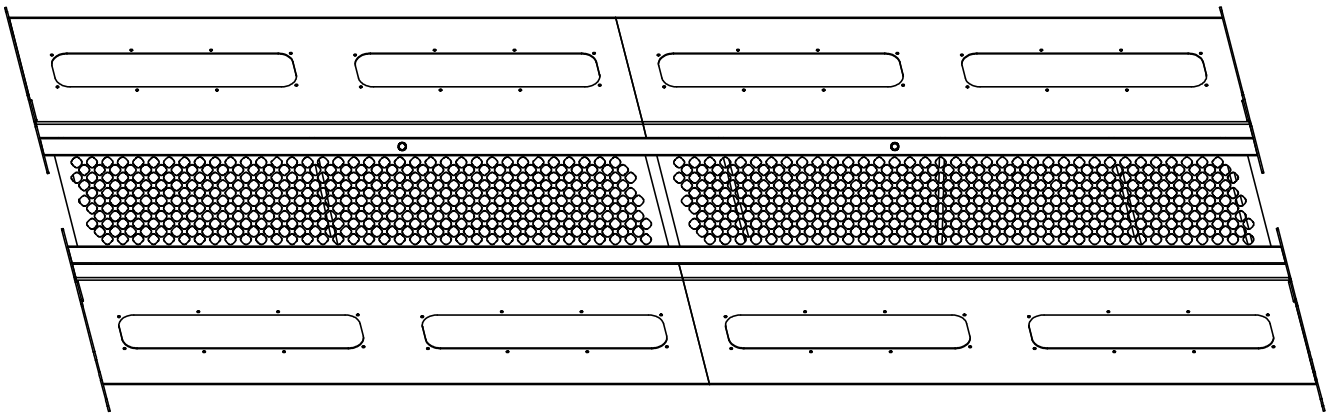


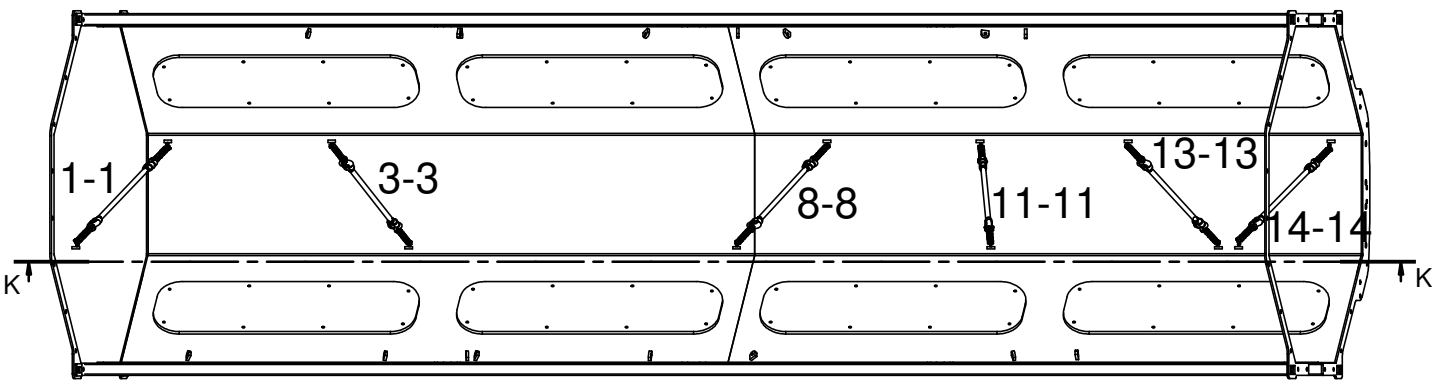
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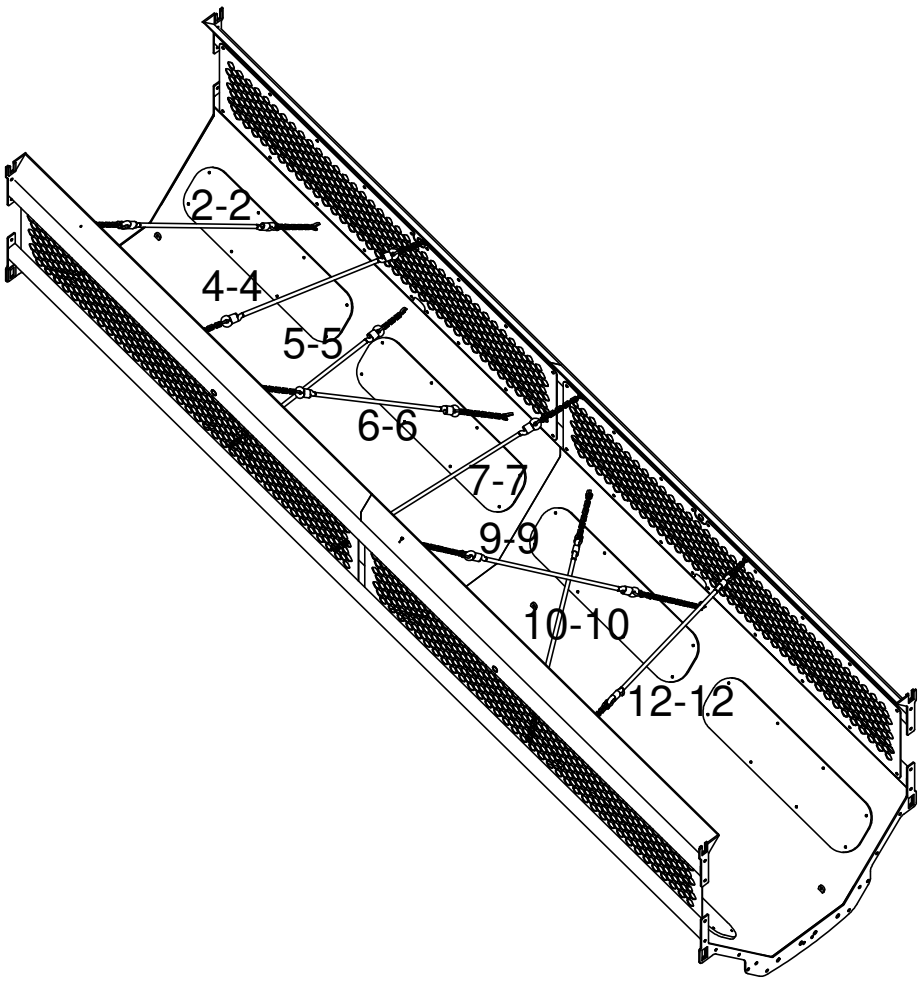


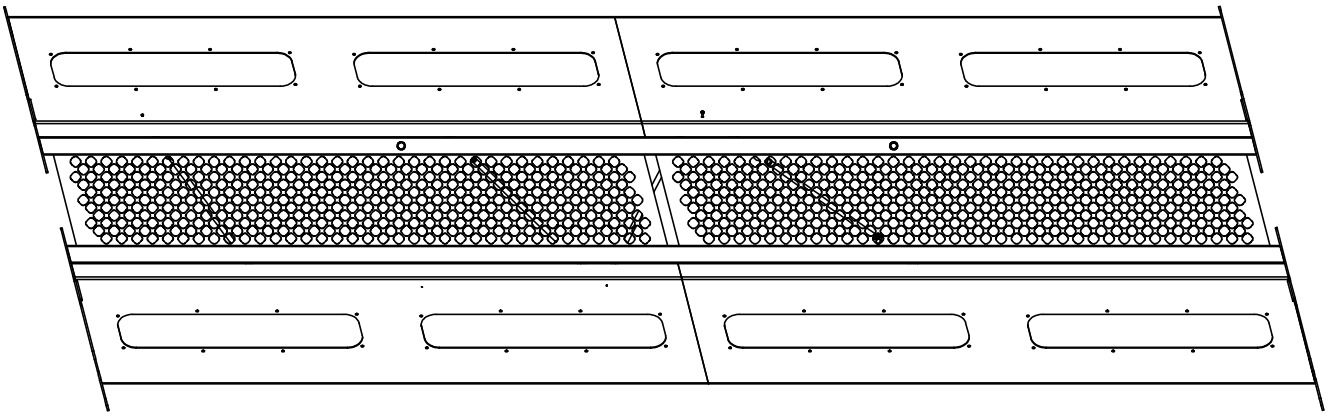
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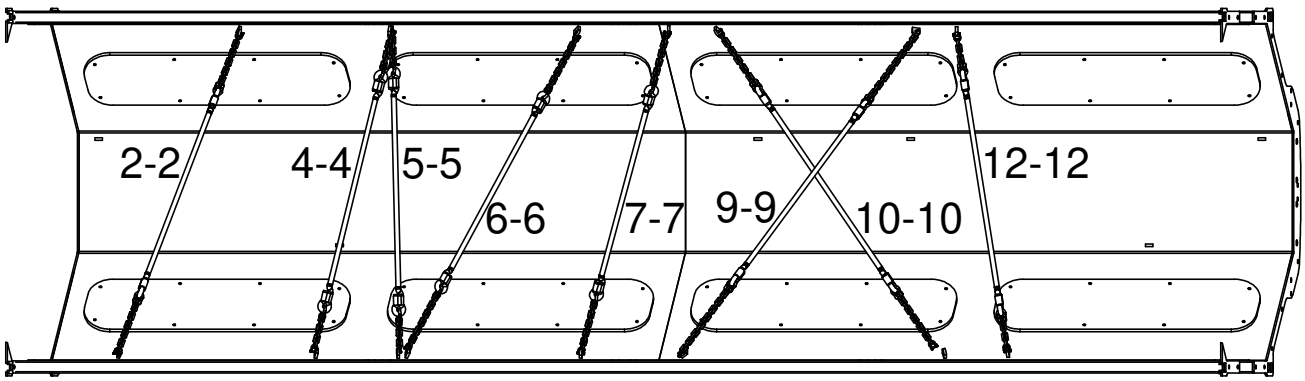




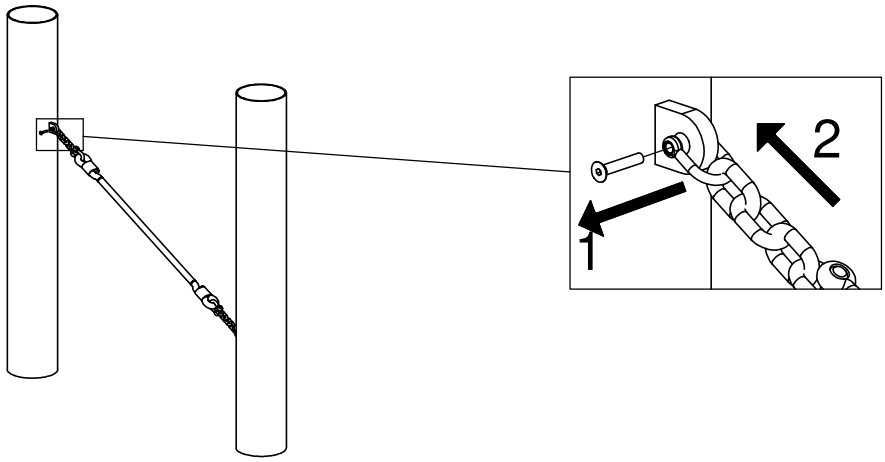



2-2
4-4
5-5
6-6
7-7
9-9
10-10
12-12

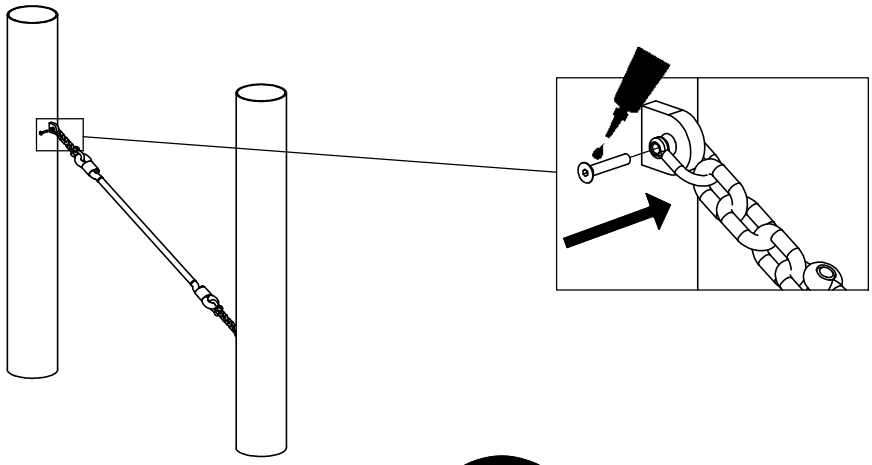



2-2
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7-7
9-9
10-10
12-12

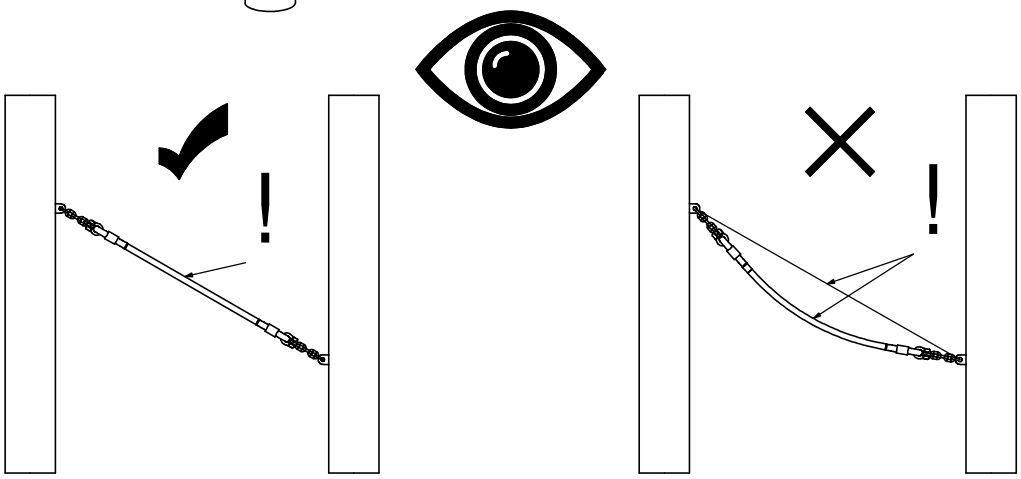
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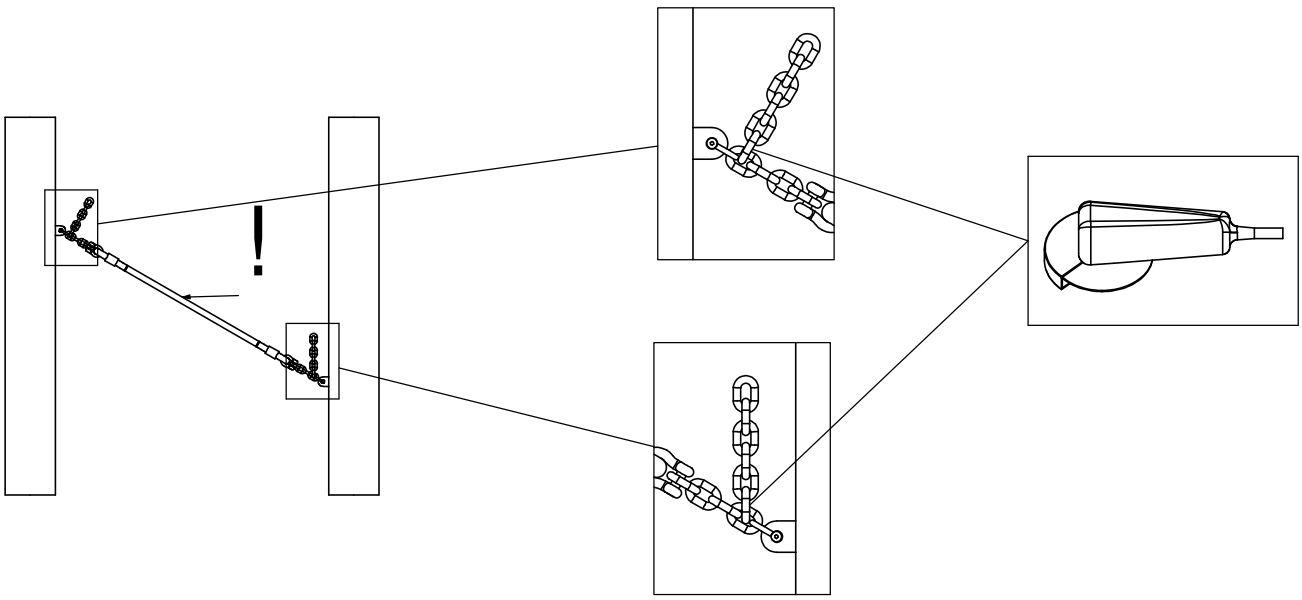
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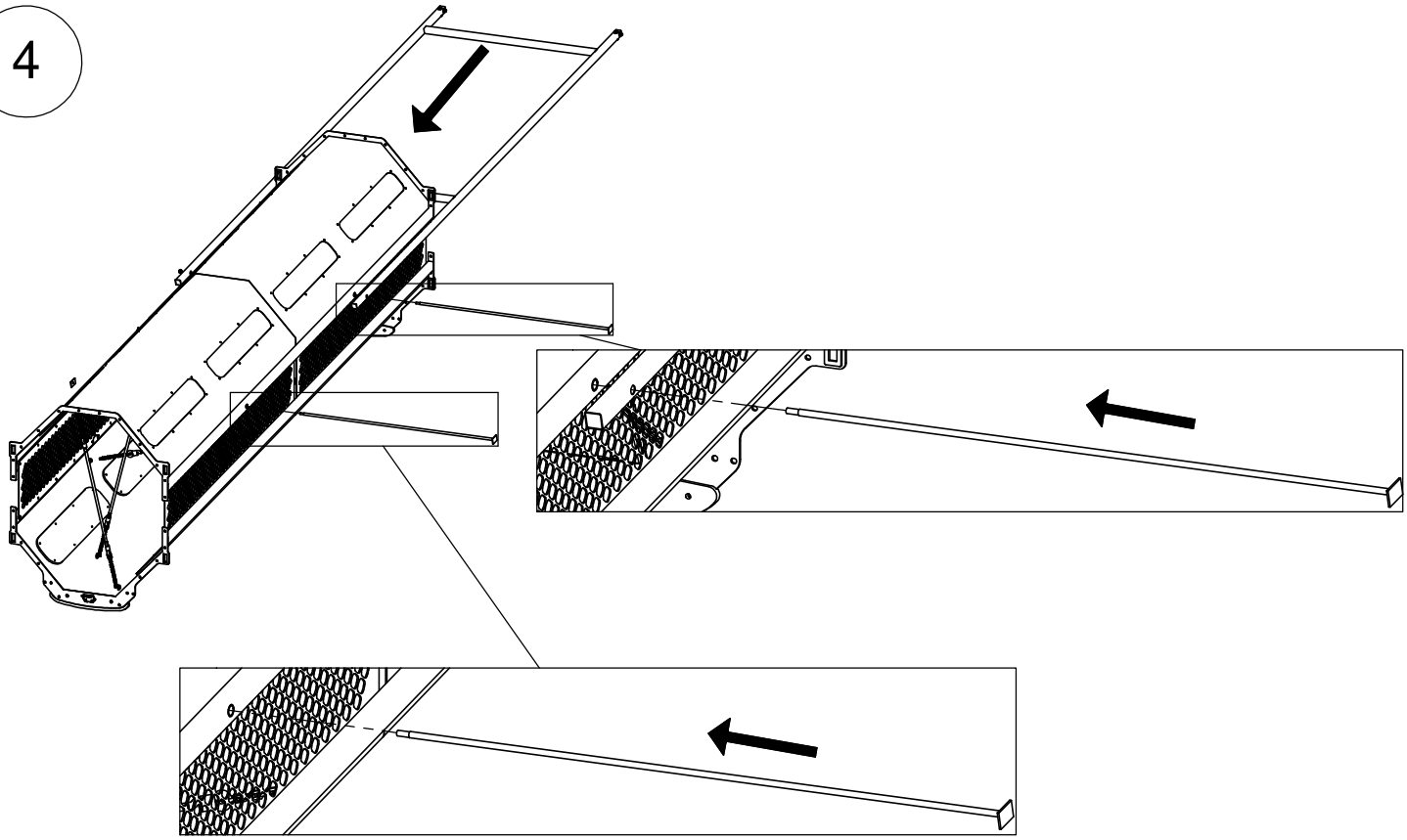
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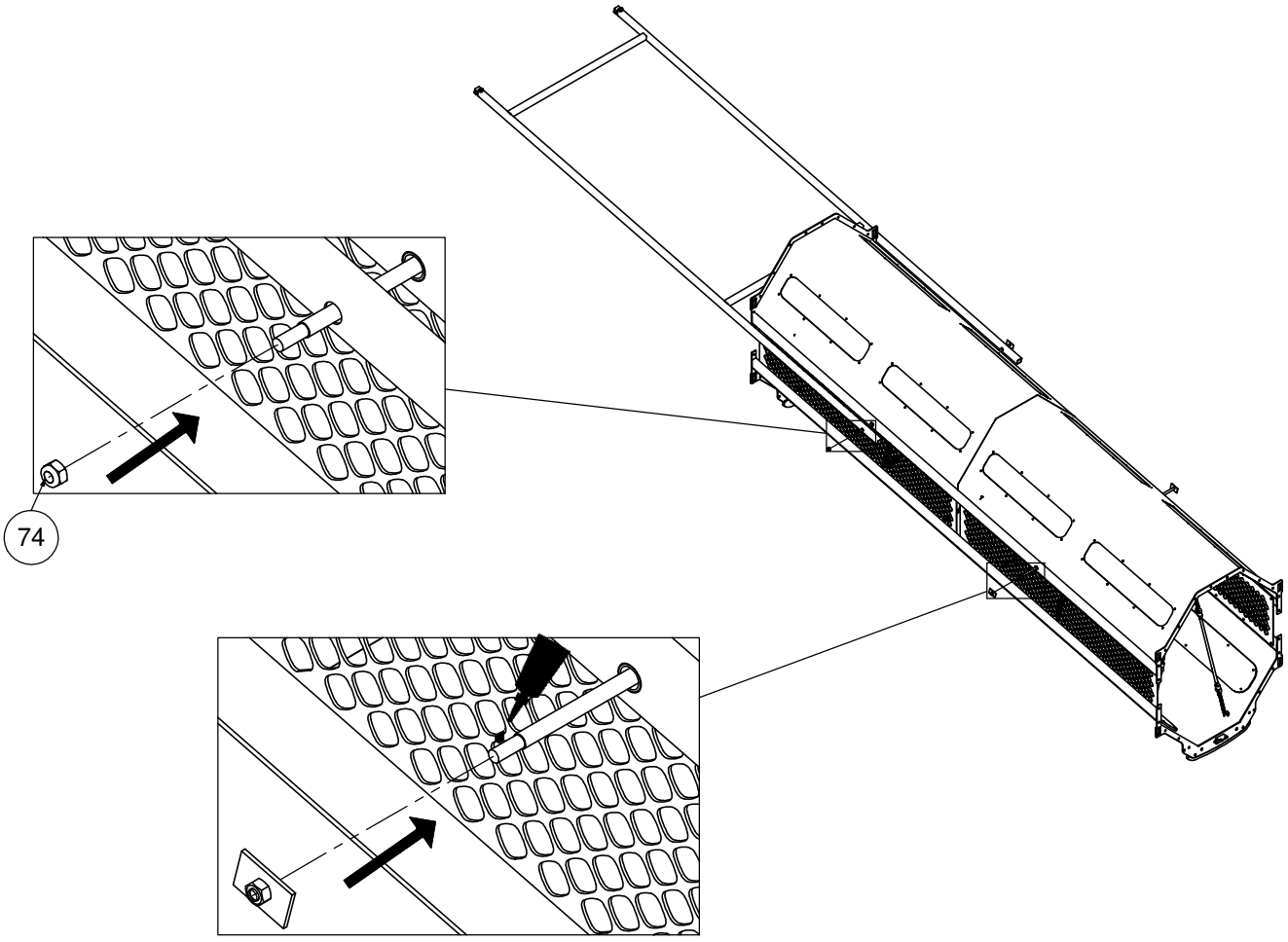
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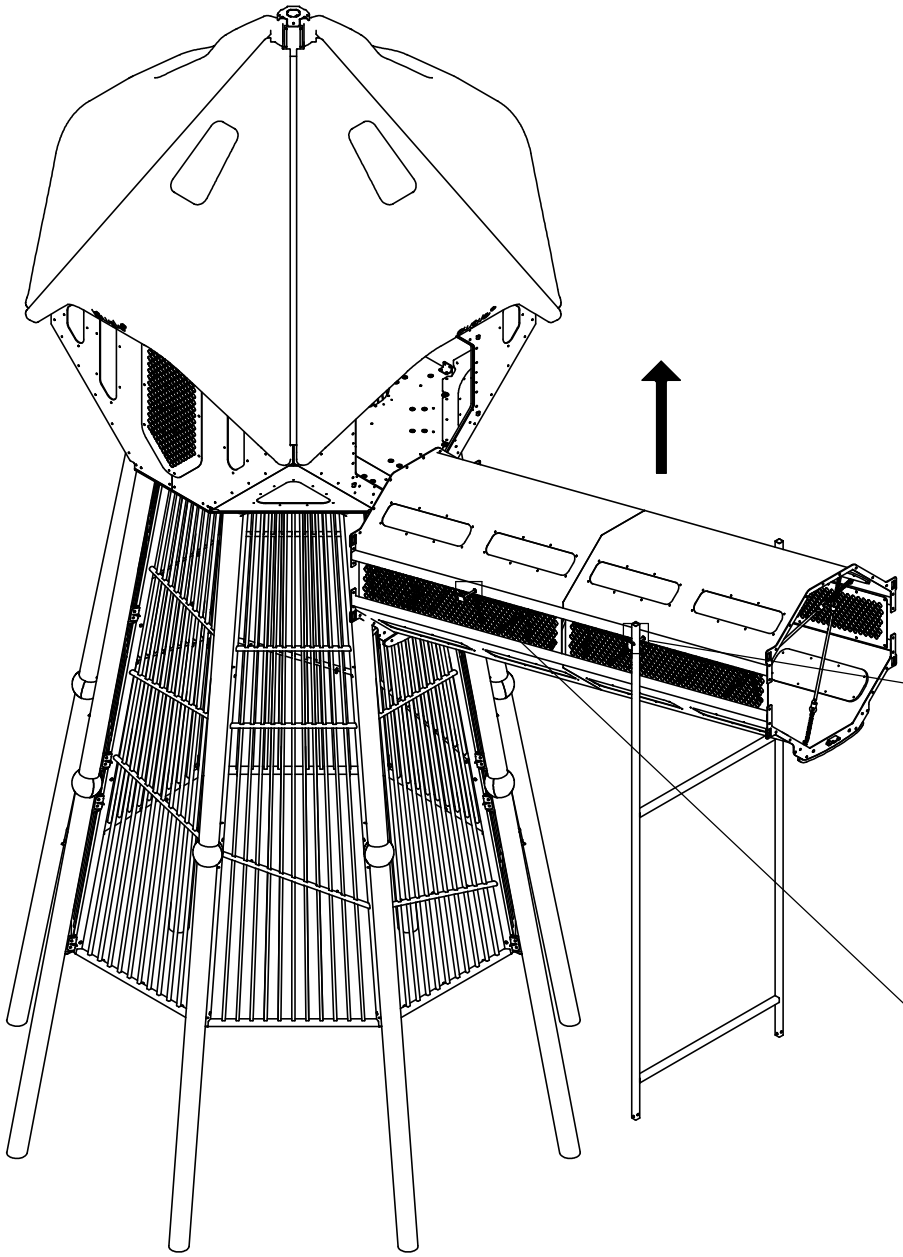
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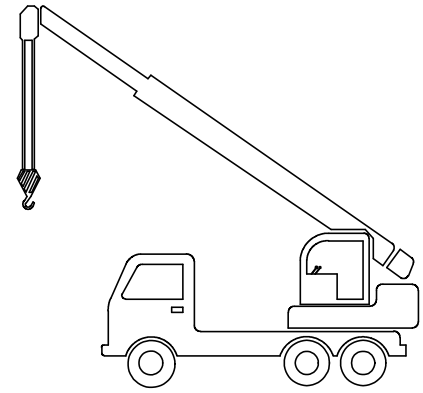


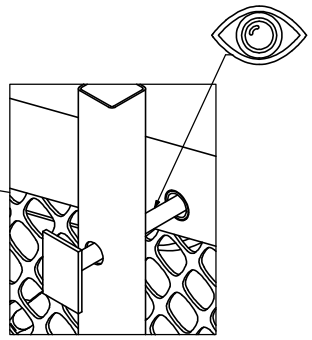
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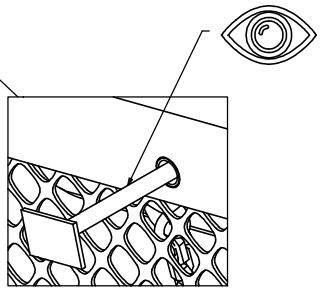


6

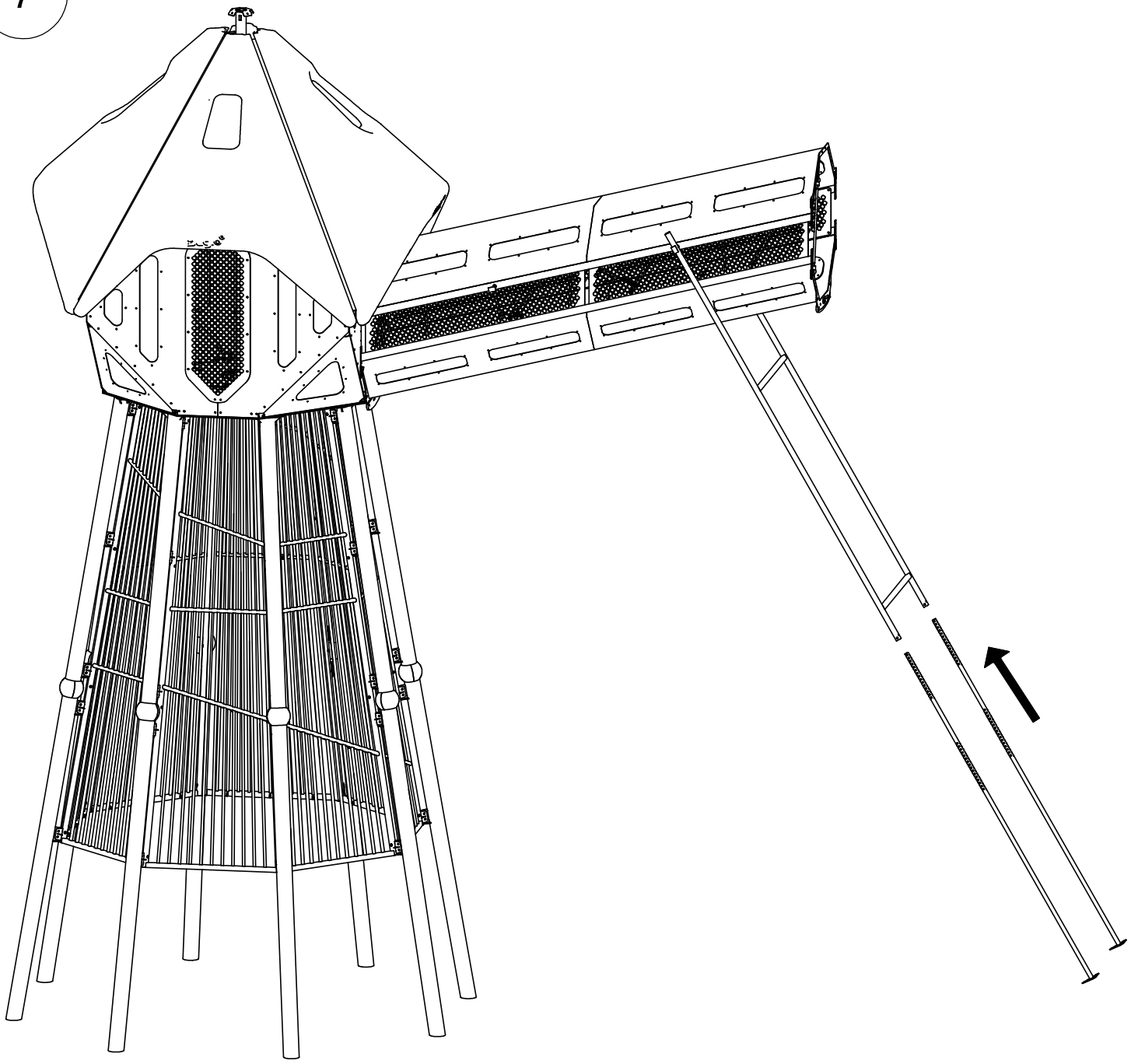




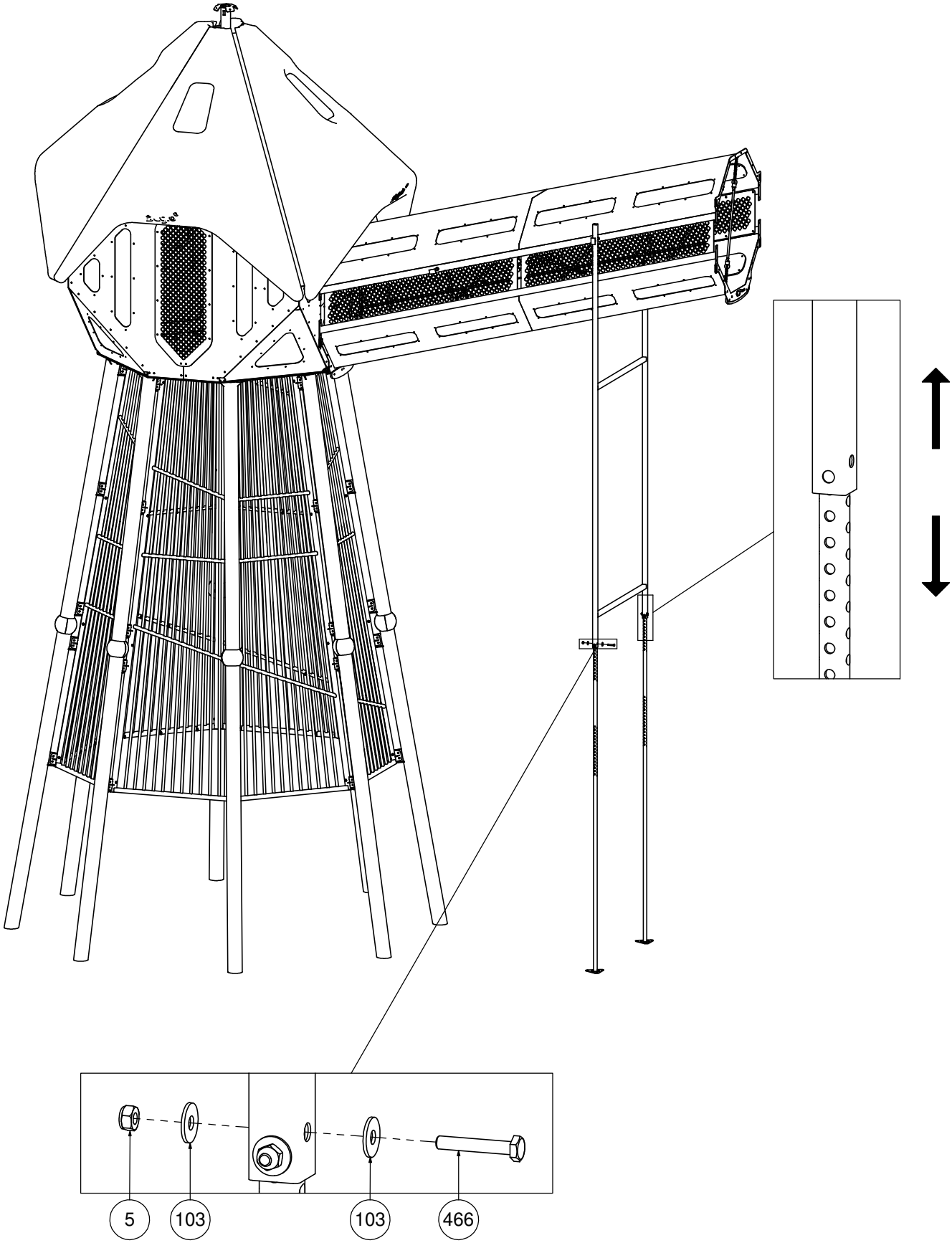




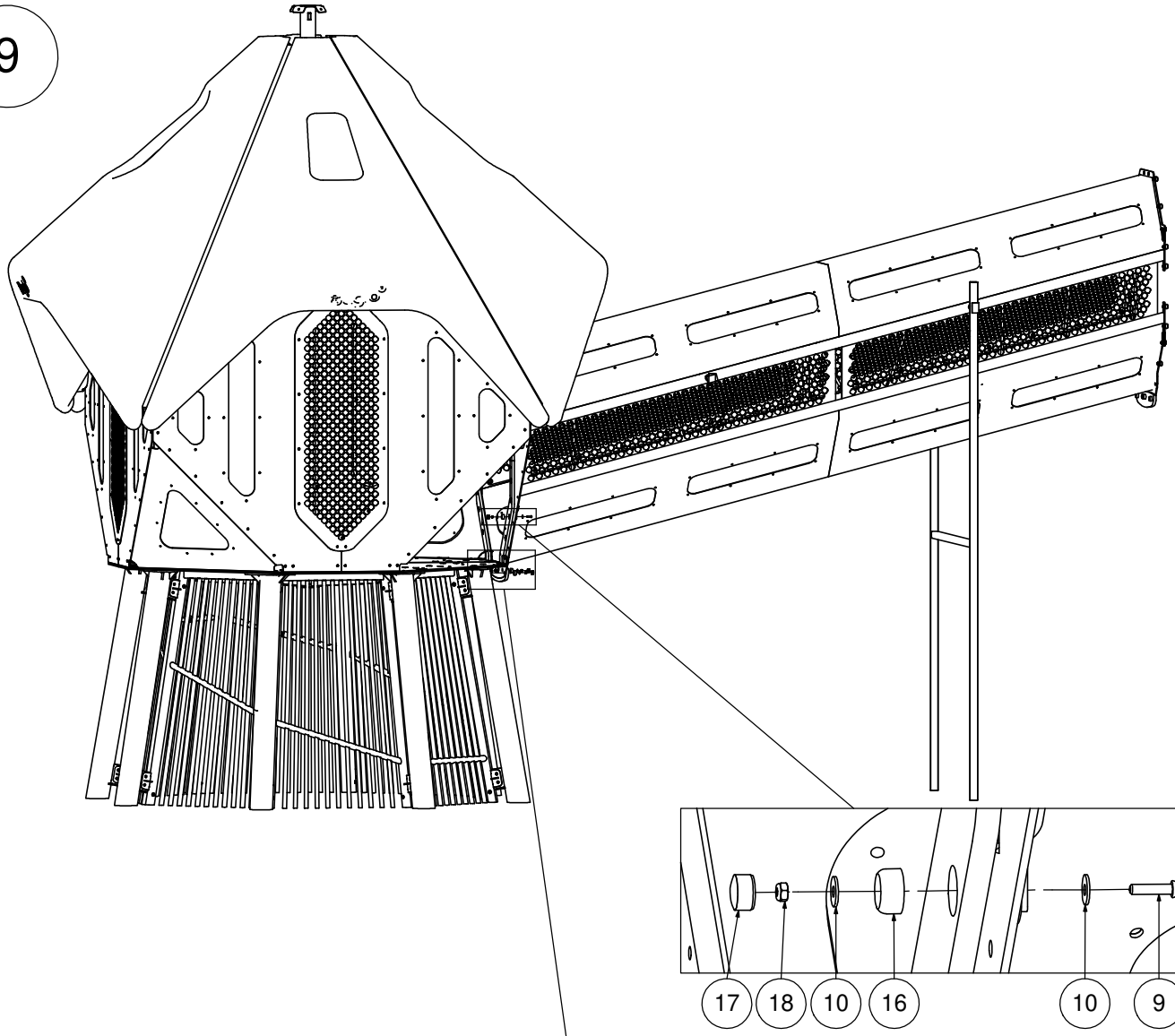
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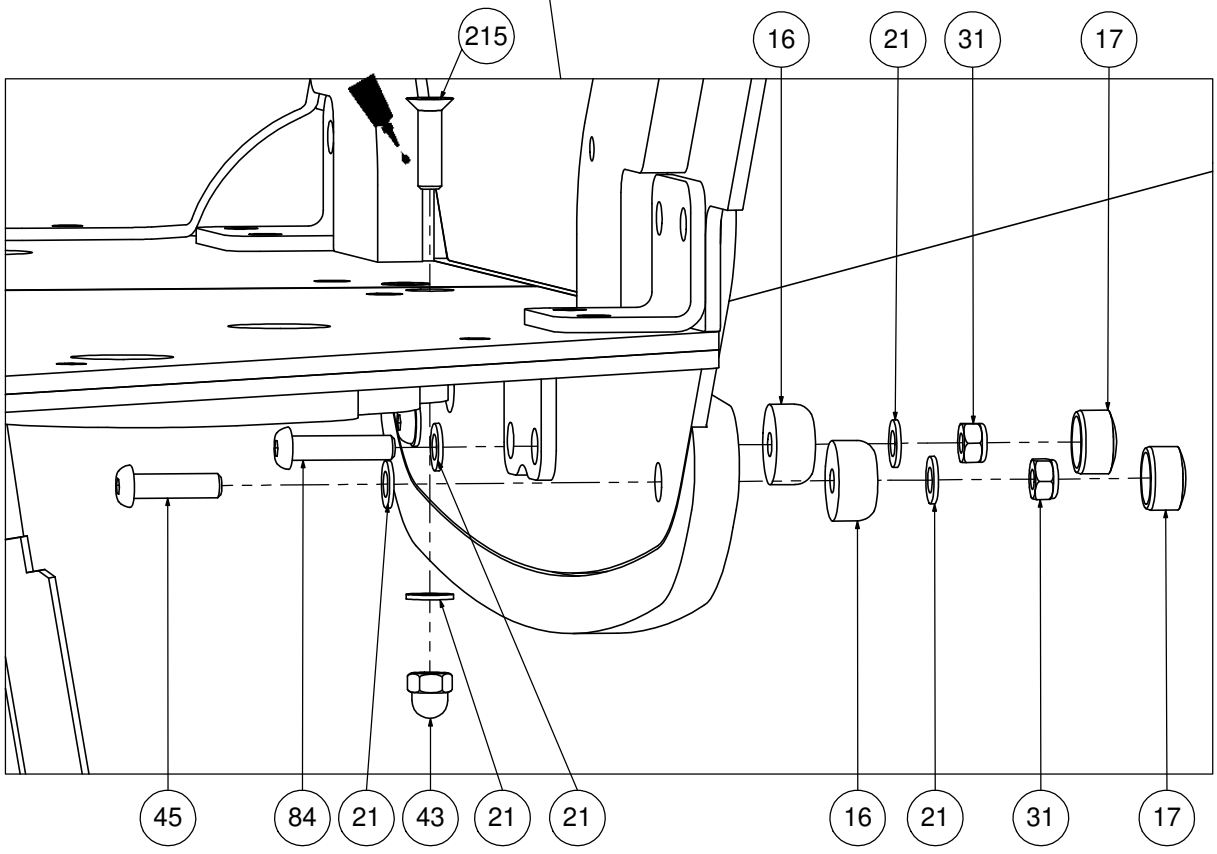


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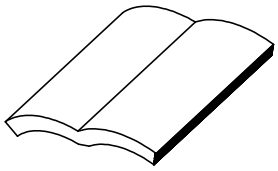


9



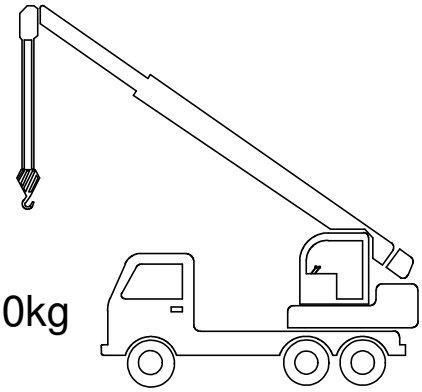


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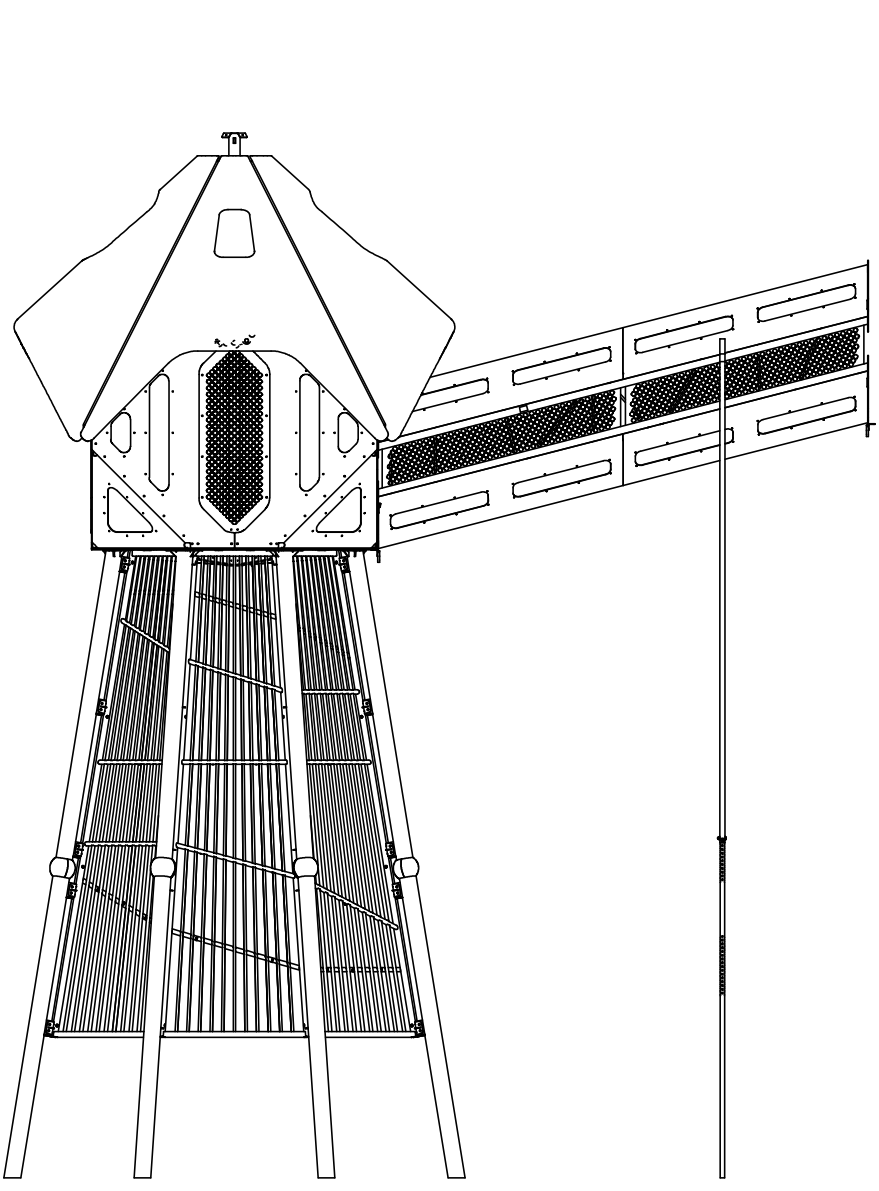
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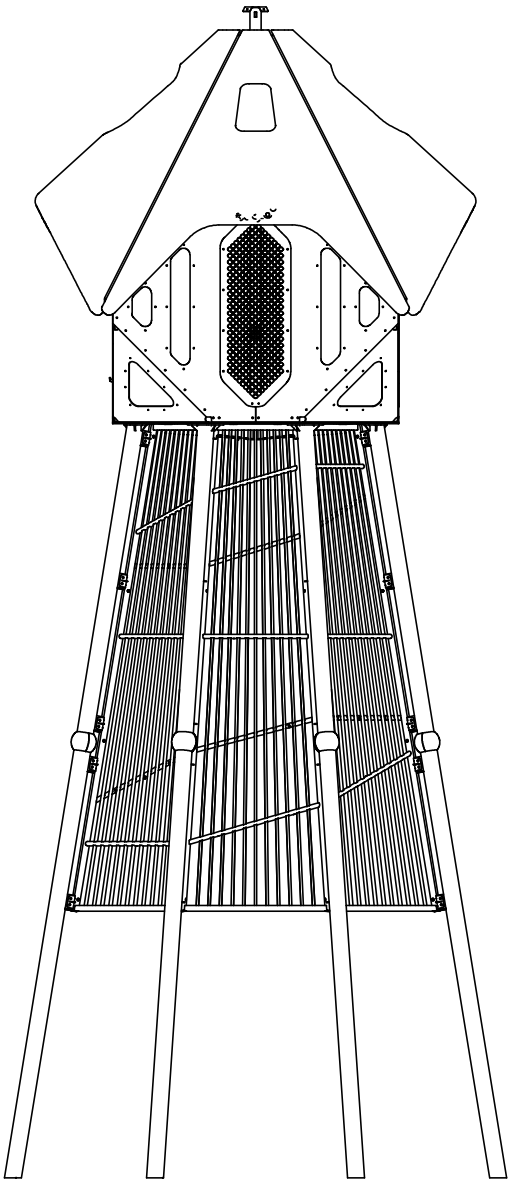
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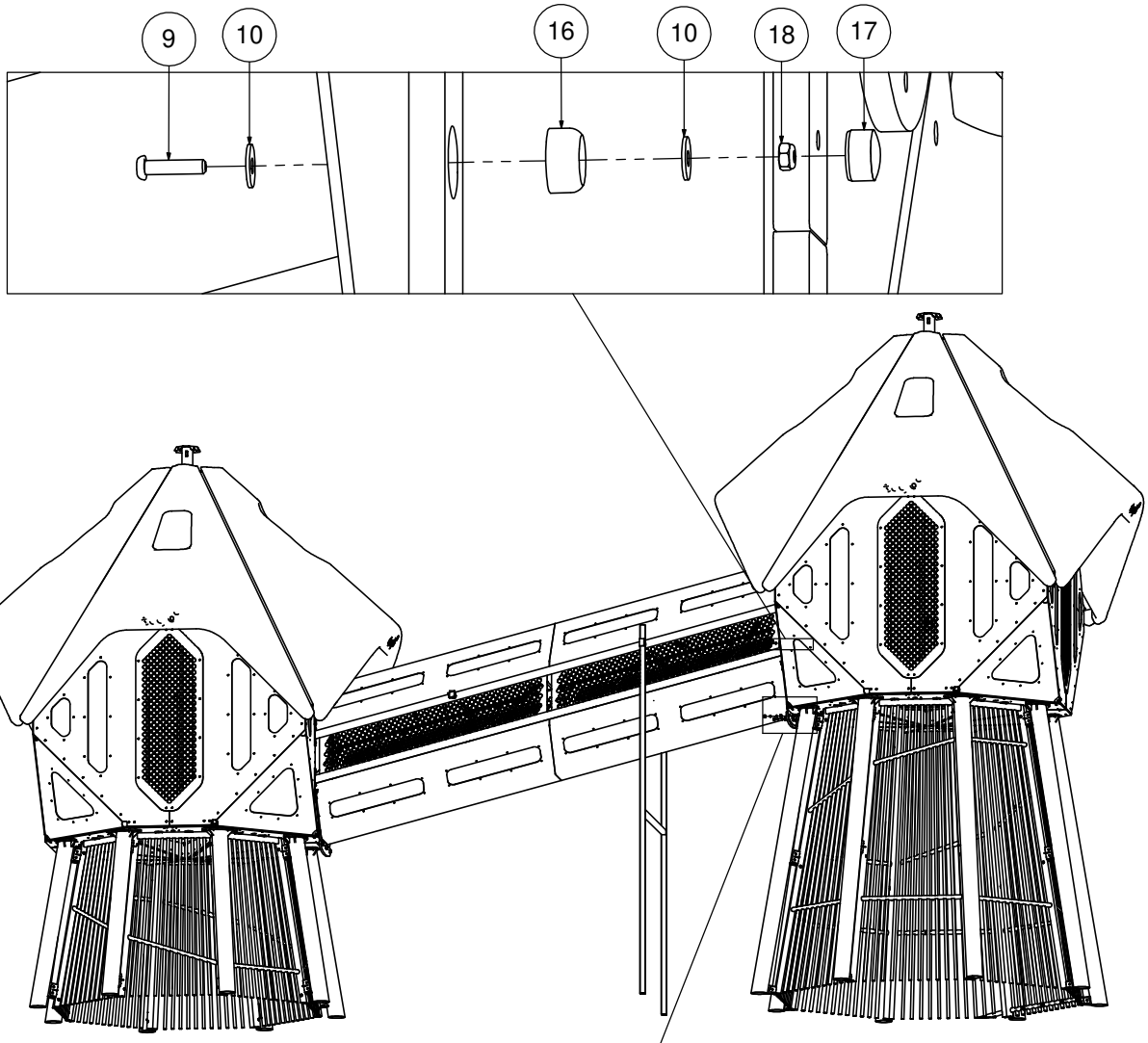
4000kg

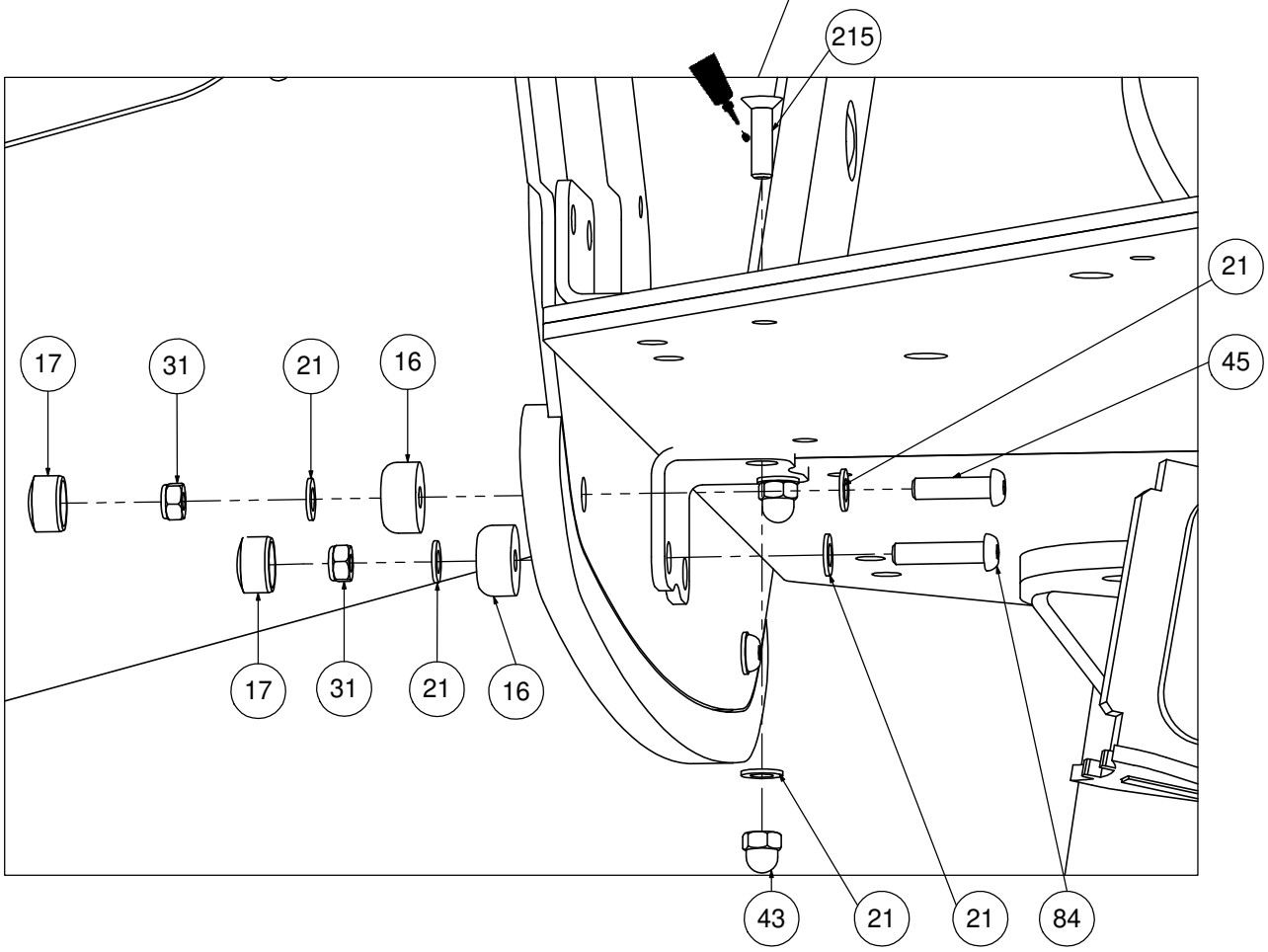




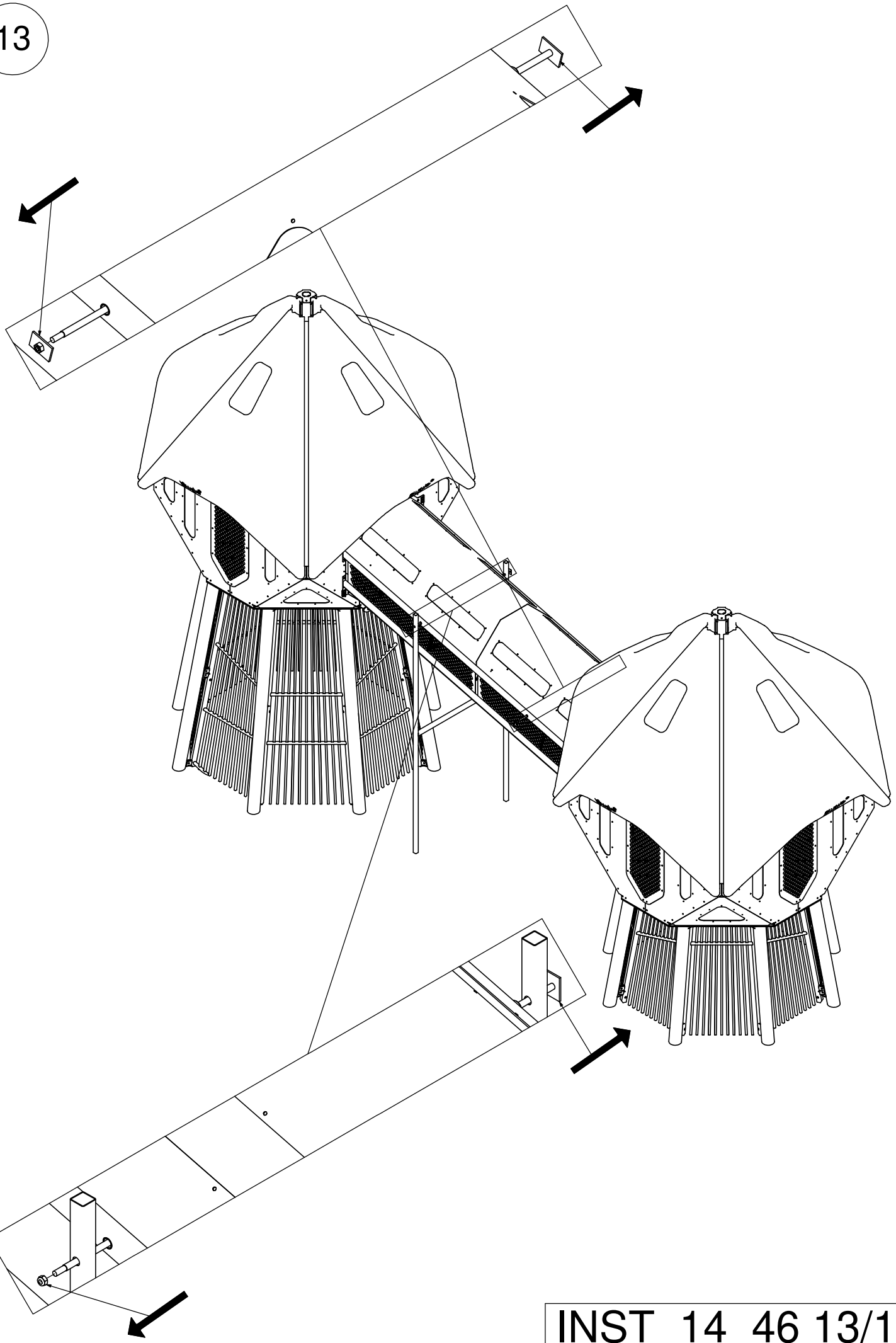


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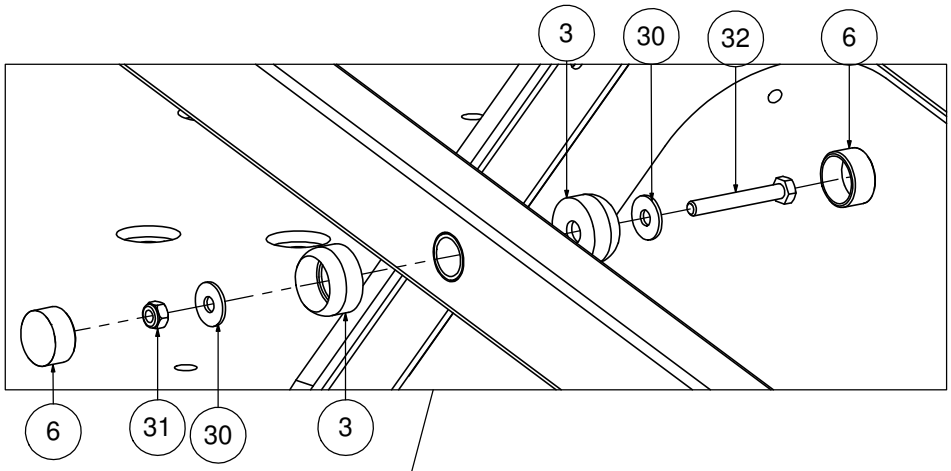


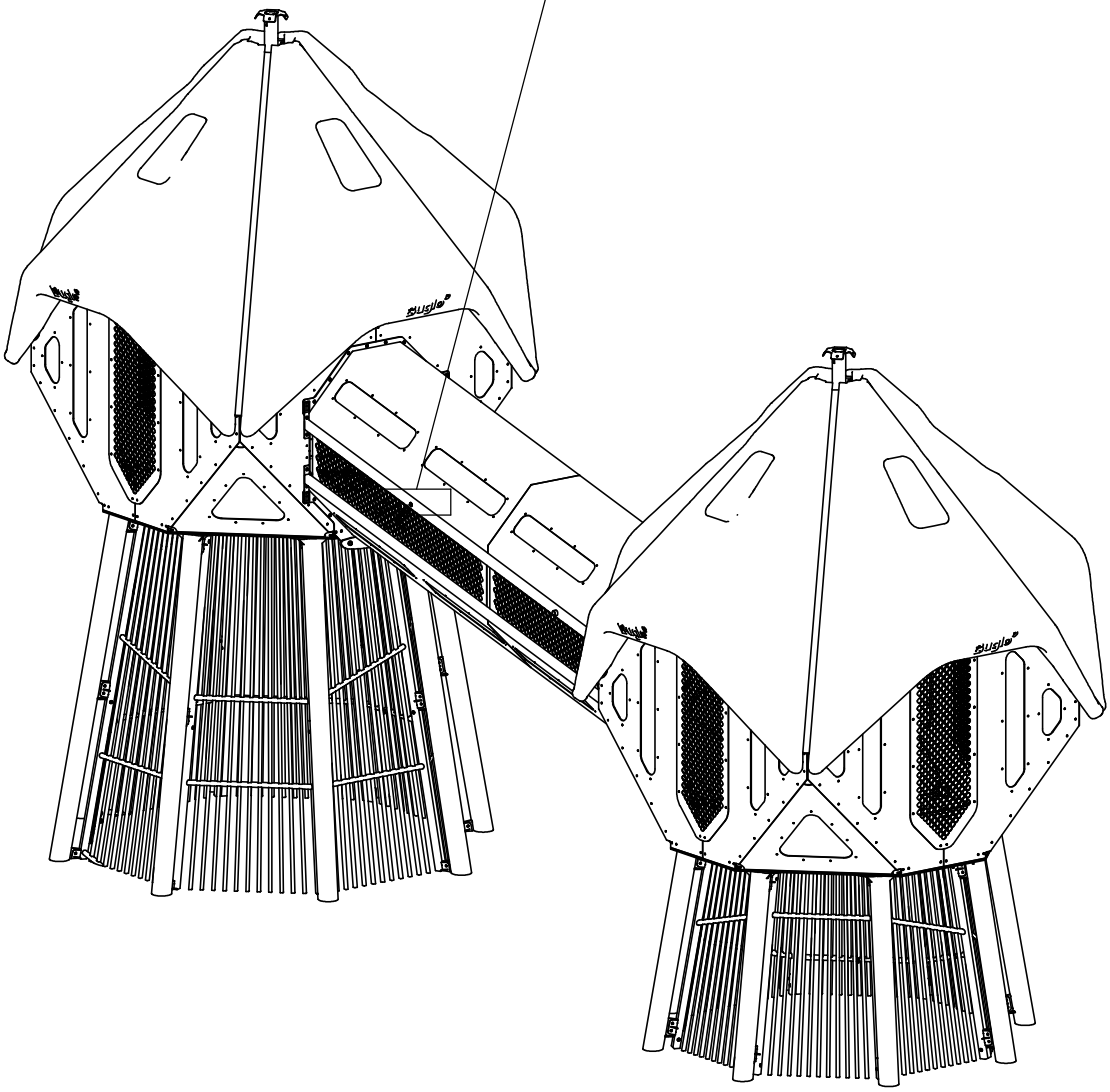


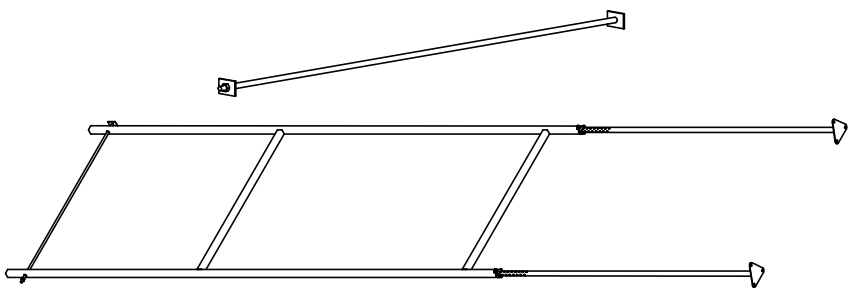
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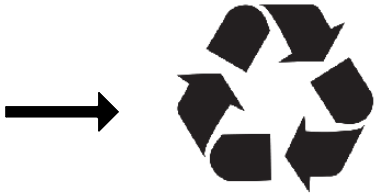


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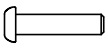
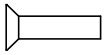


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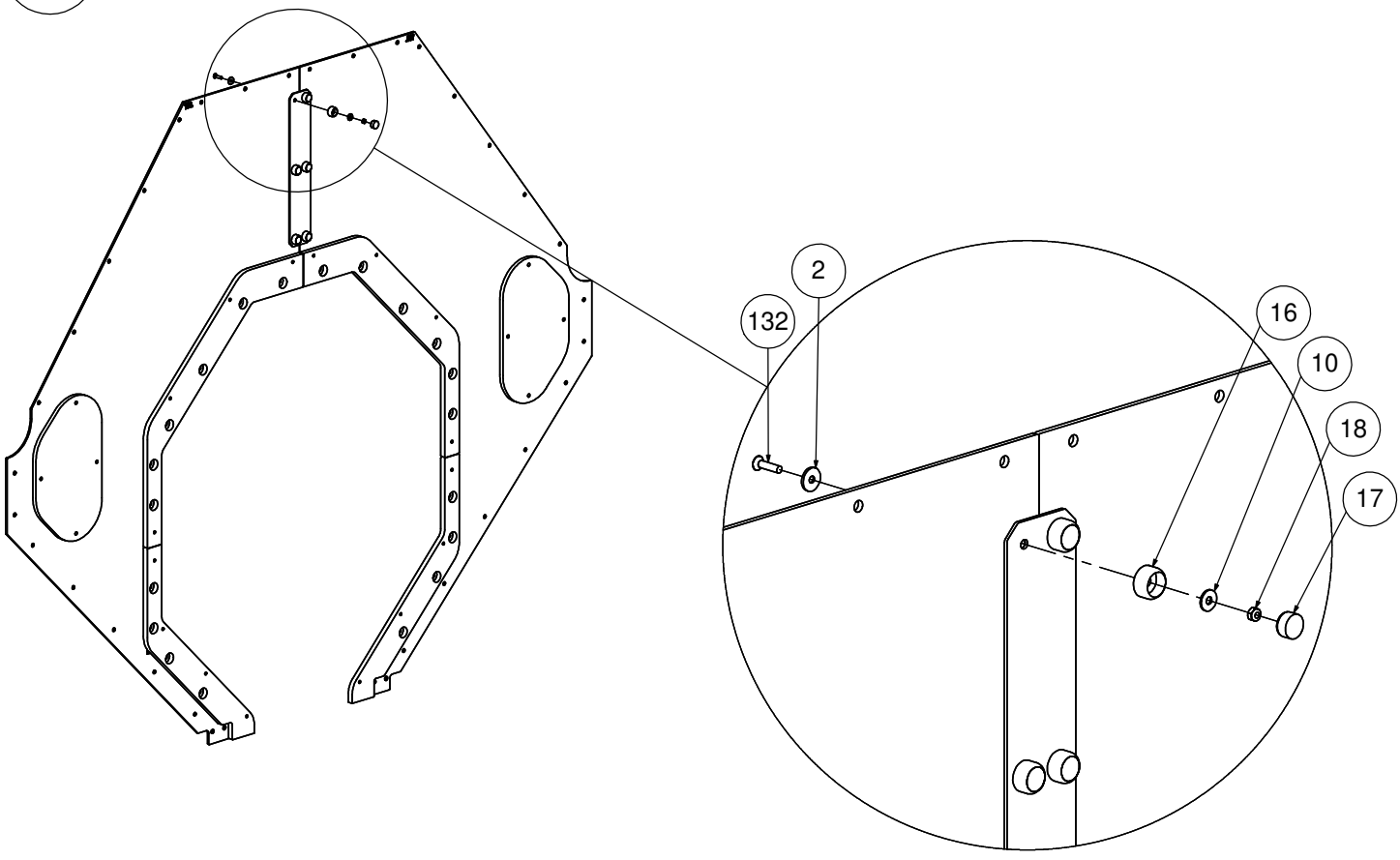




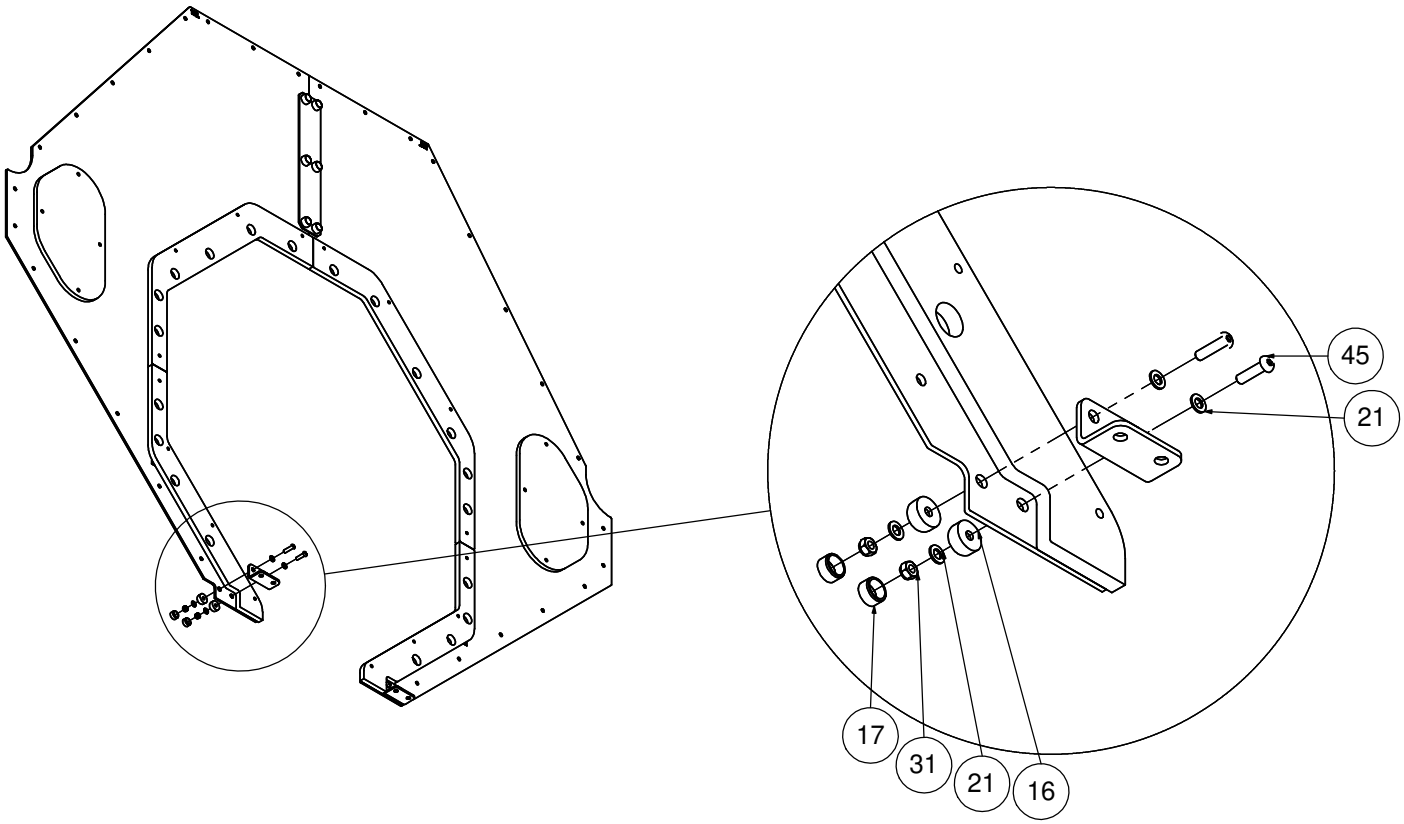
Nr. 4, 5 Nr. 10, 13

Nr	Σ	Element		
2	6		-	W6x60
10	6		DIN 9021	6x18
16	18		-	K1_d21_B
17	18		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
21	24		DIN 125	8x16
28	4		ISO 7380	M8x25
31	12		DIN 985	M8 (OC)
45	8		ISO 7380	M8x30
132	6		DIN 7991	M6x25

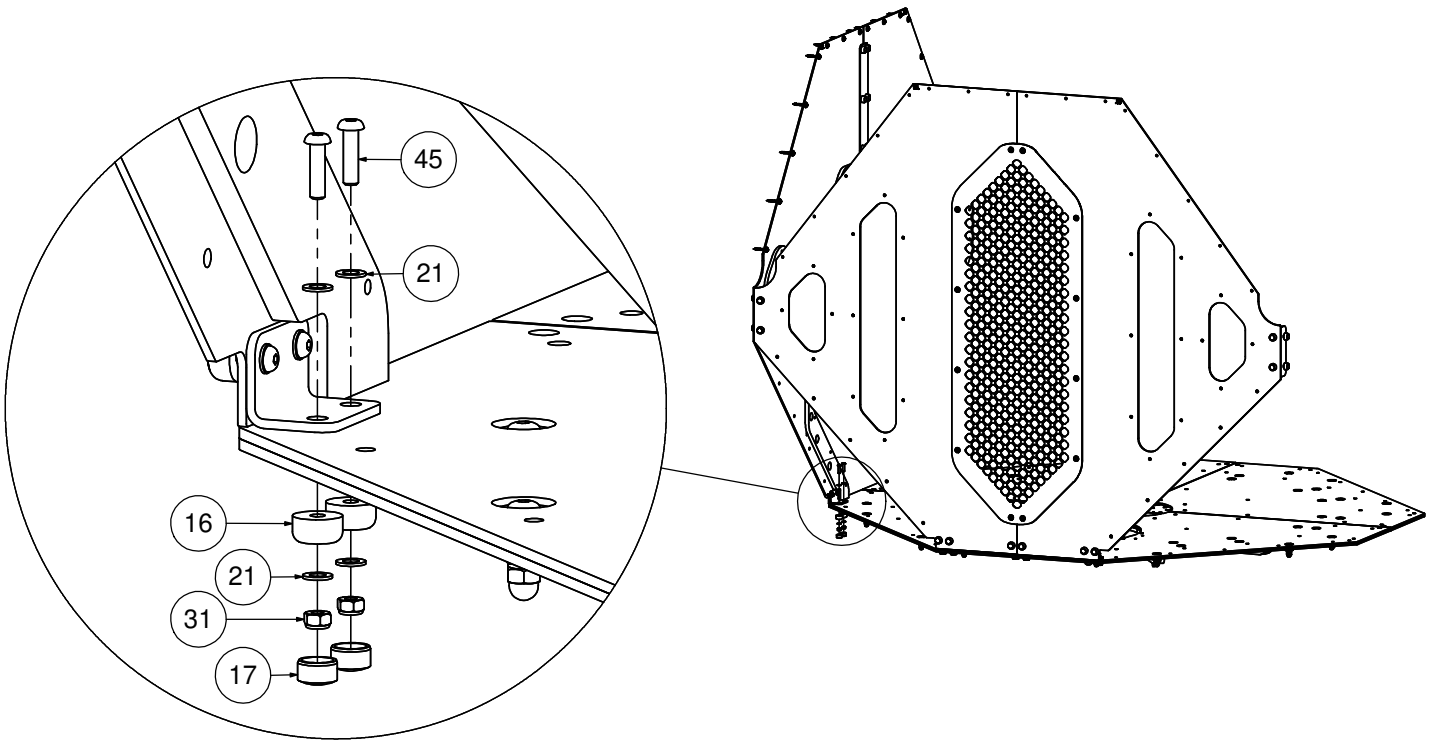
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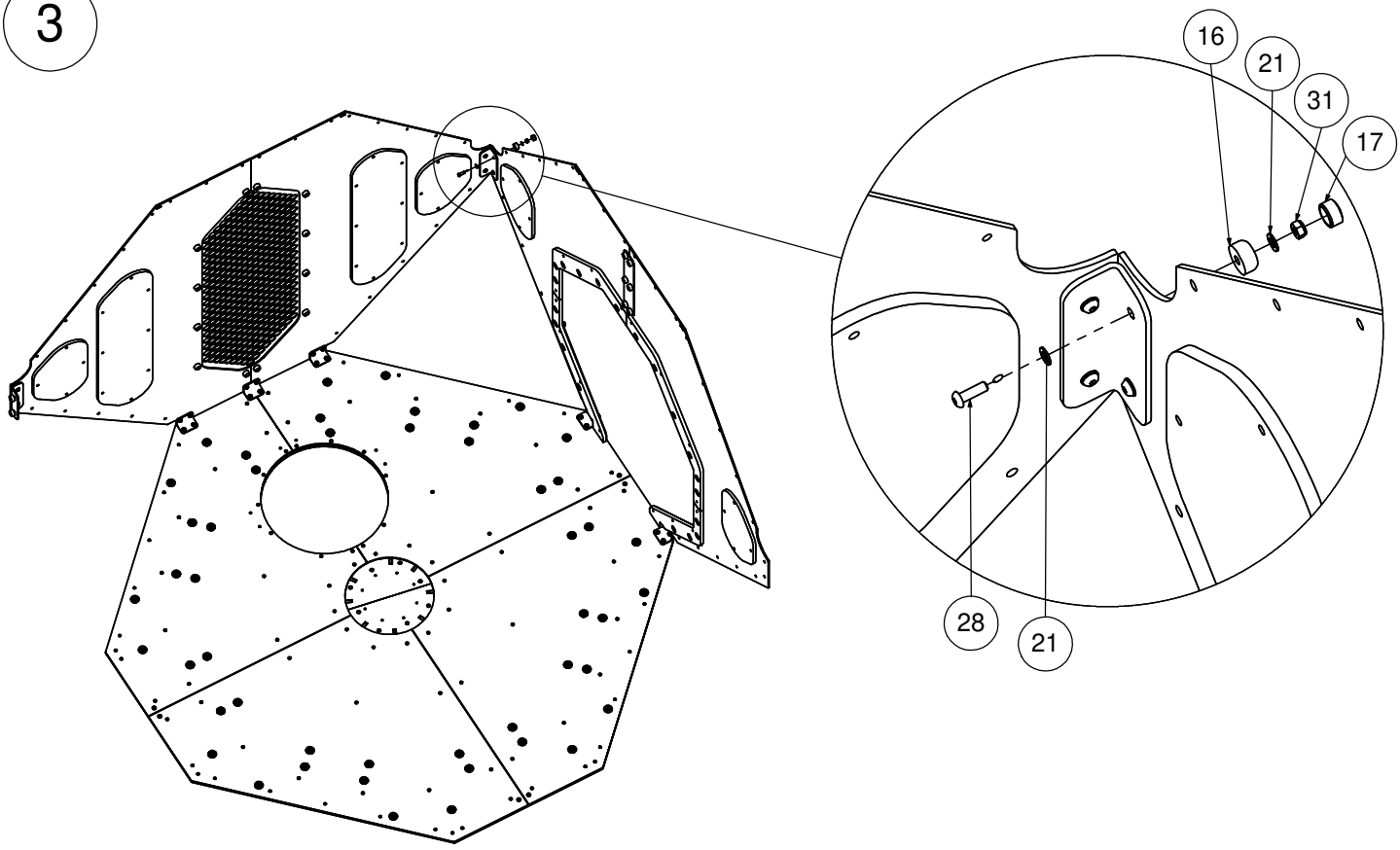
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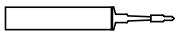
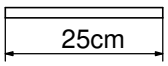
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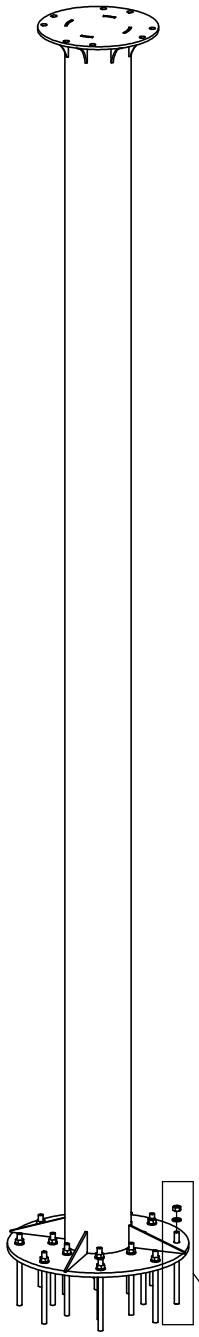


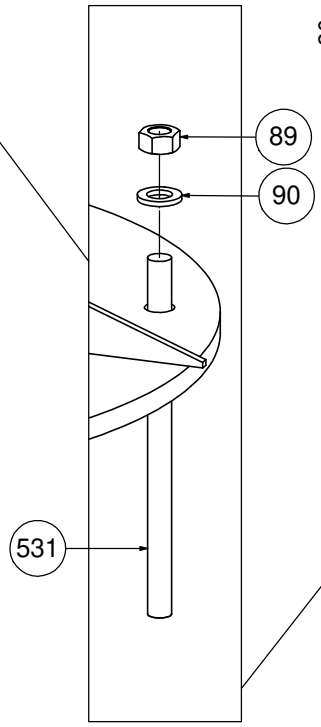
INST_14_48

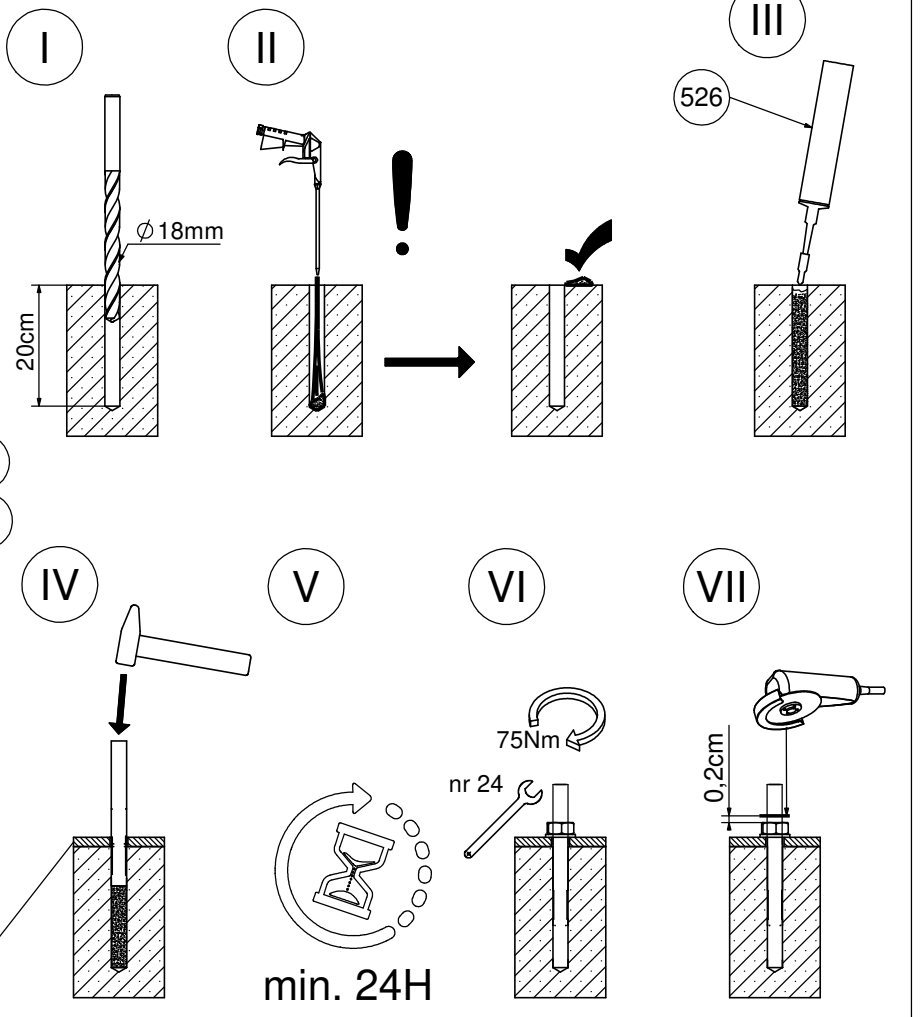
Nr	Σ	Element	DIN	ELEMENT
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
526	-		-	KCH
531	16		-	S4_1400_82



Nr. 24







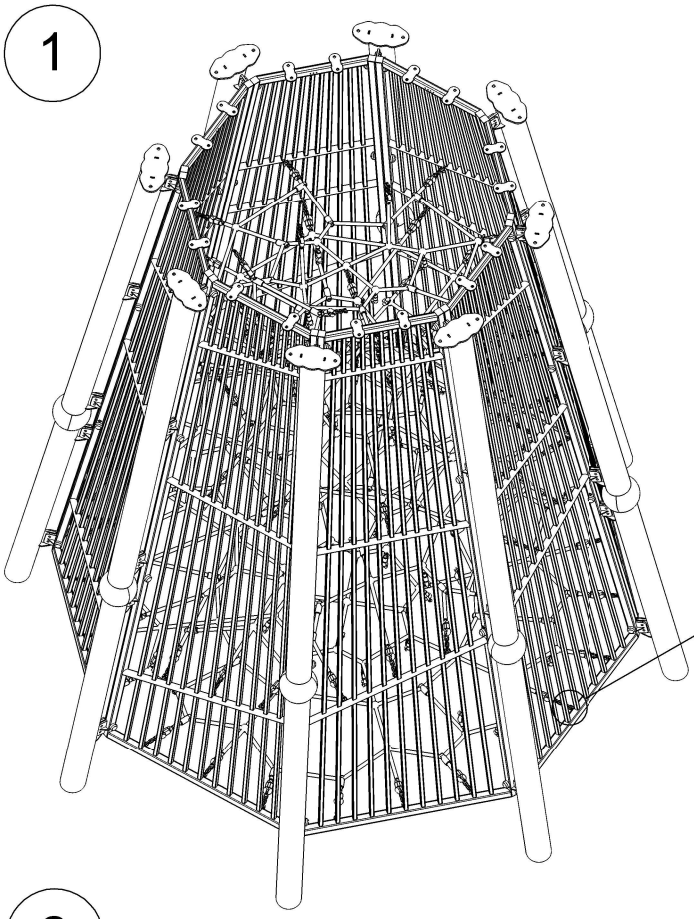
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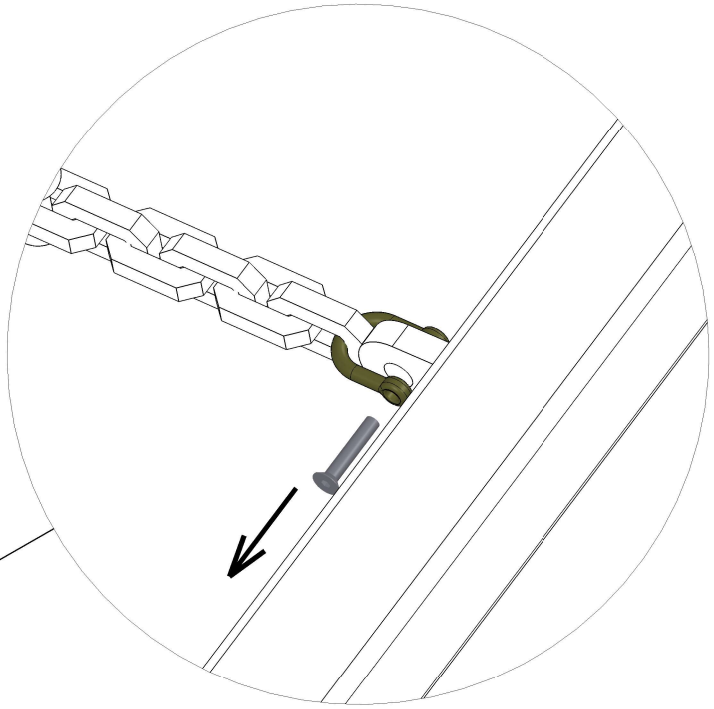
INST_14_64

Nr	Σ	Element		
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61	36		-	KL105 (OC)

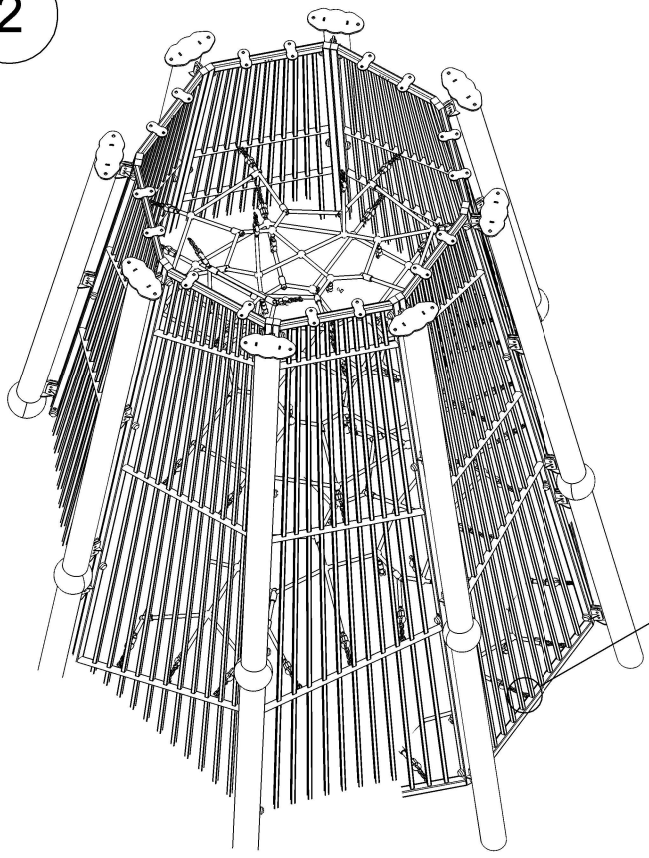
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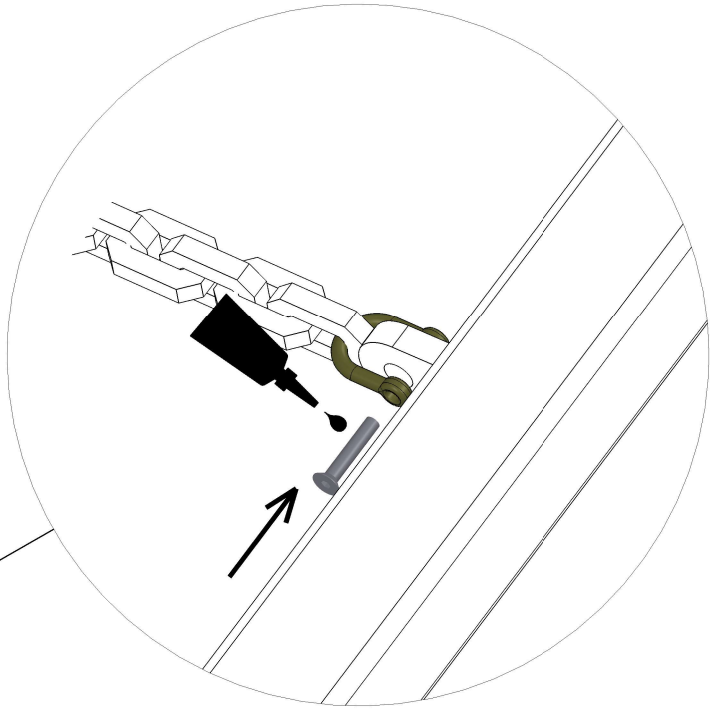
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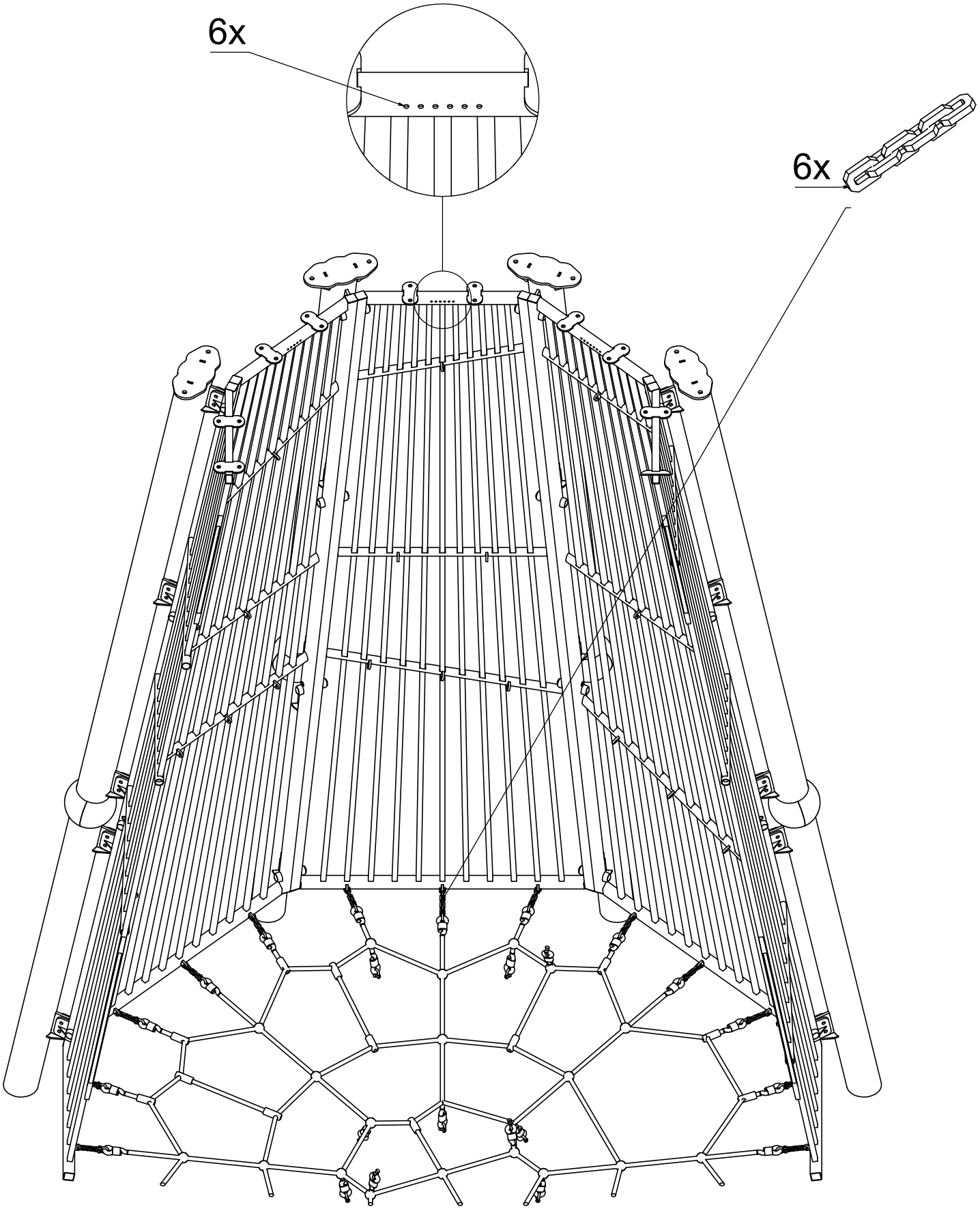


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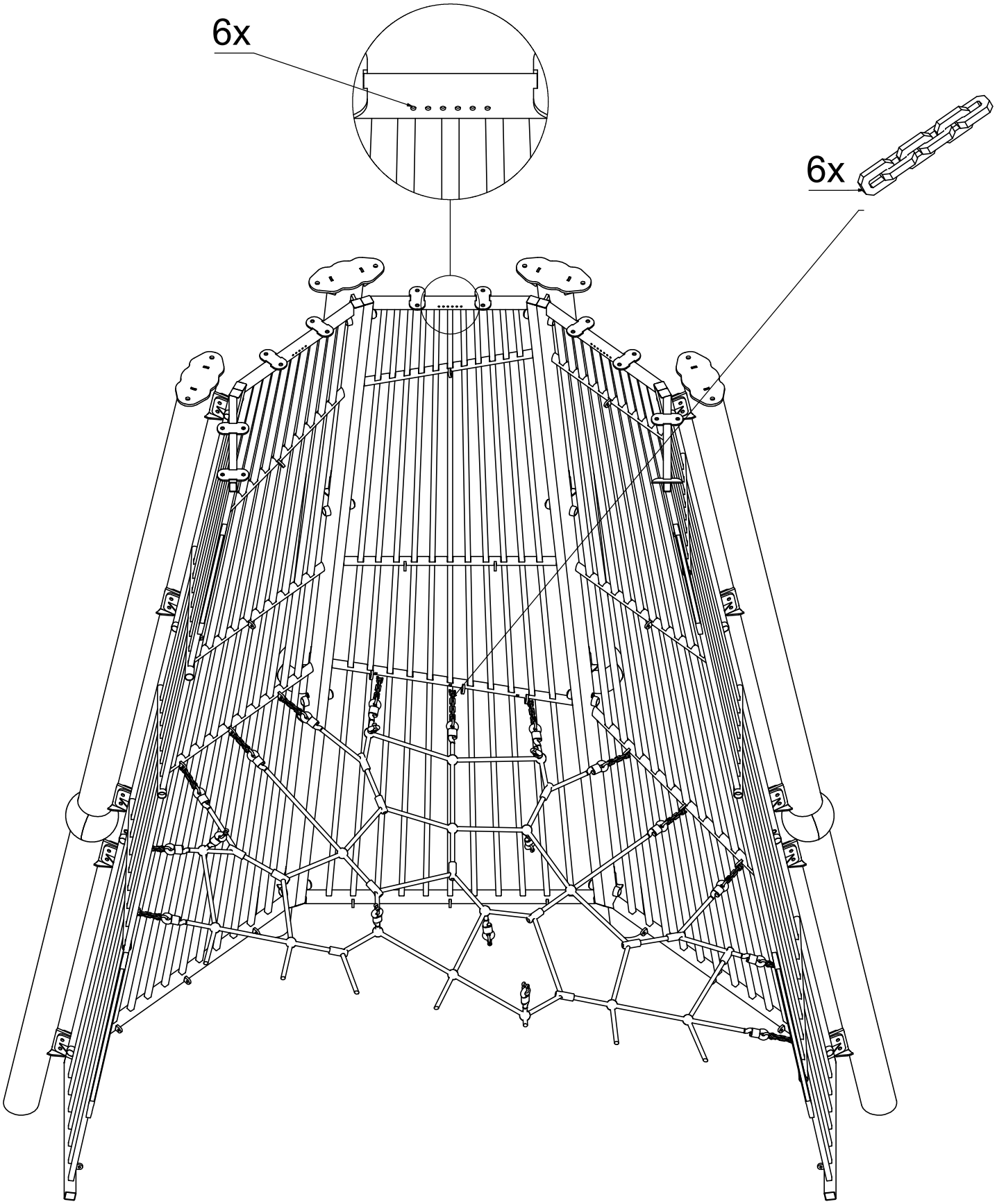




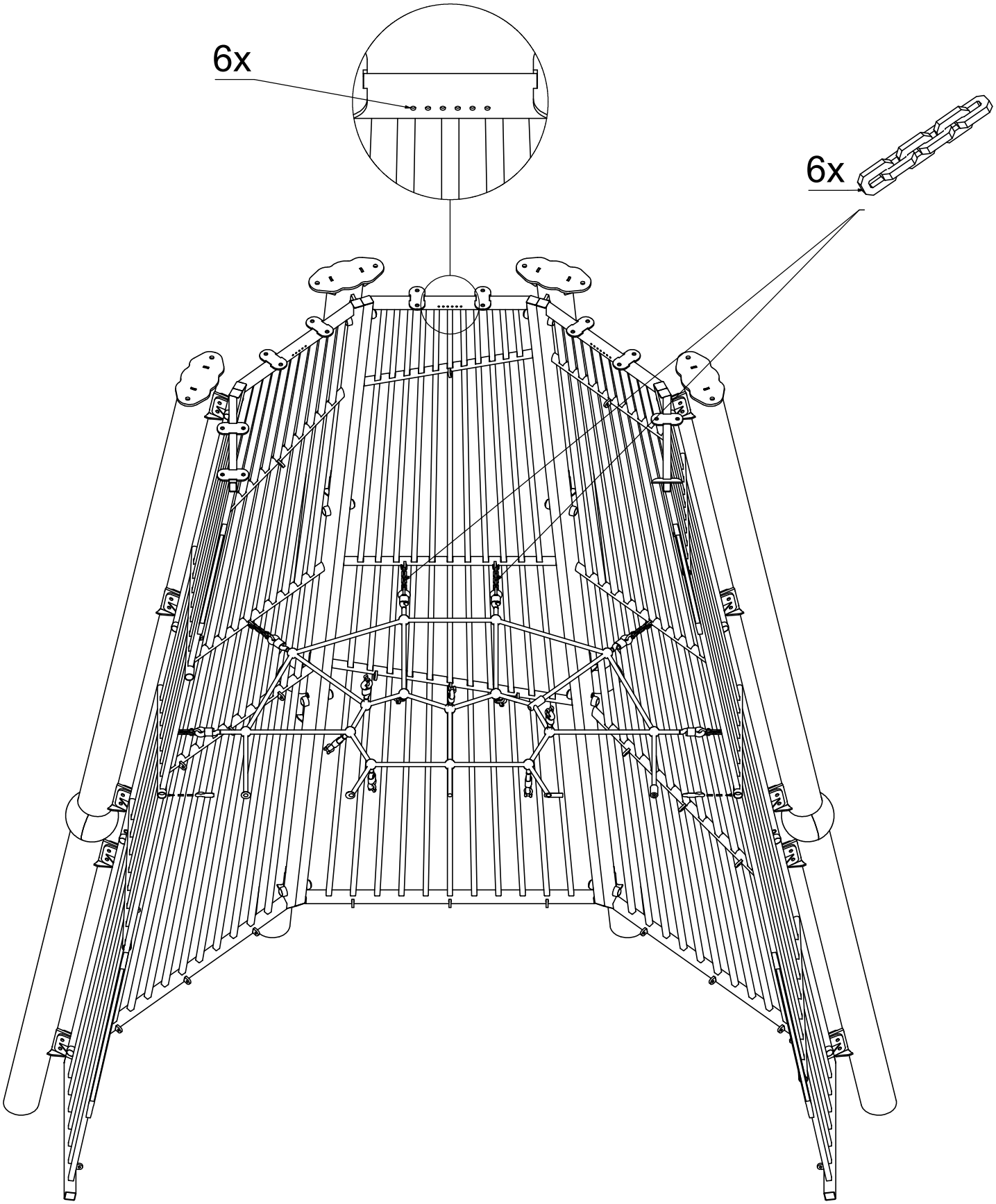
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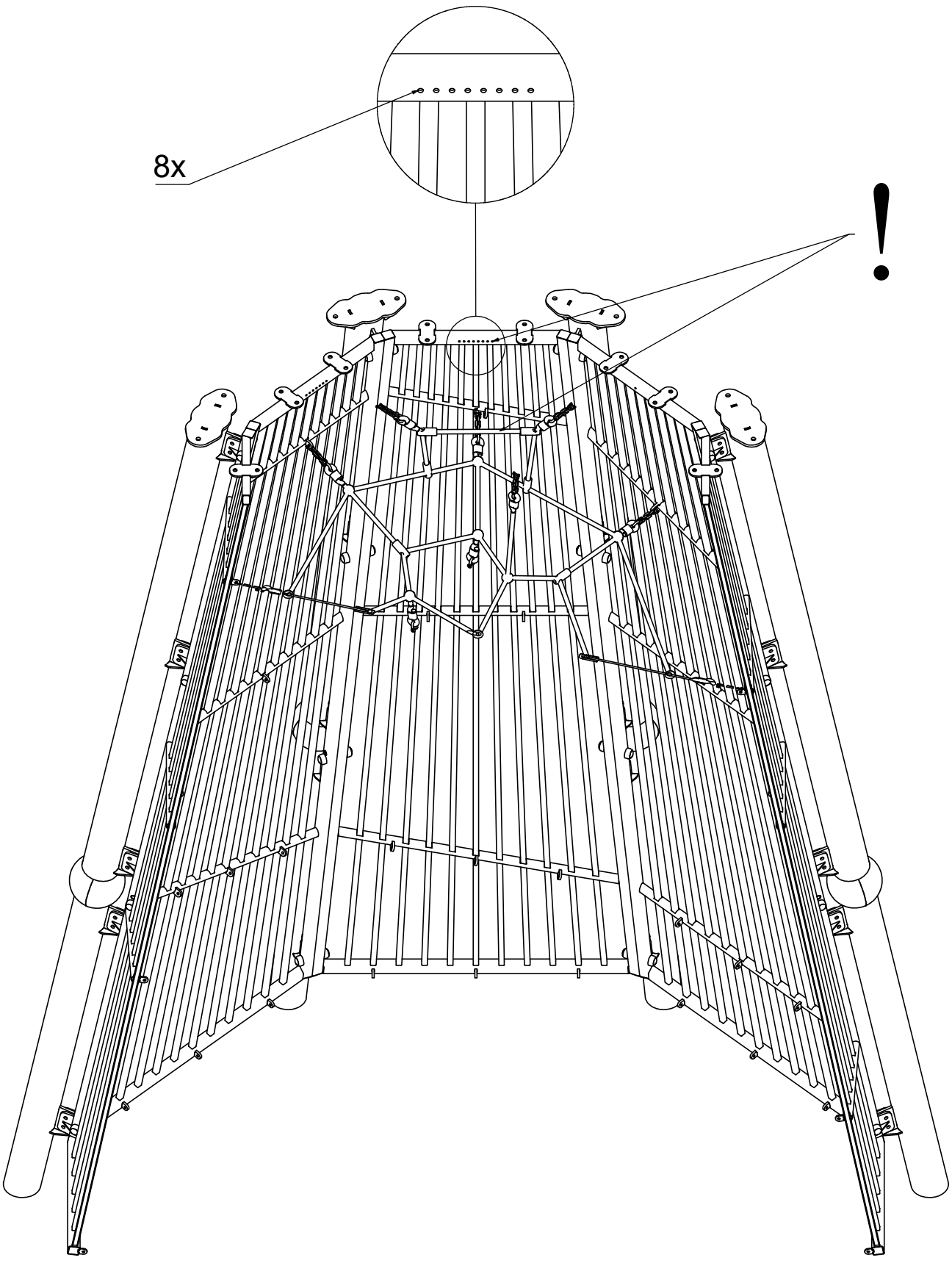
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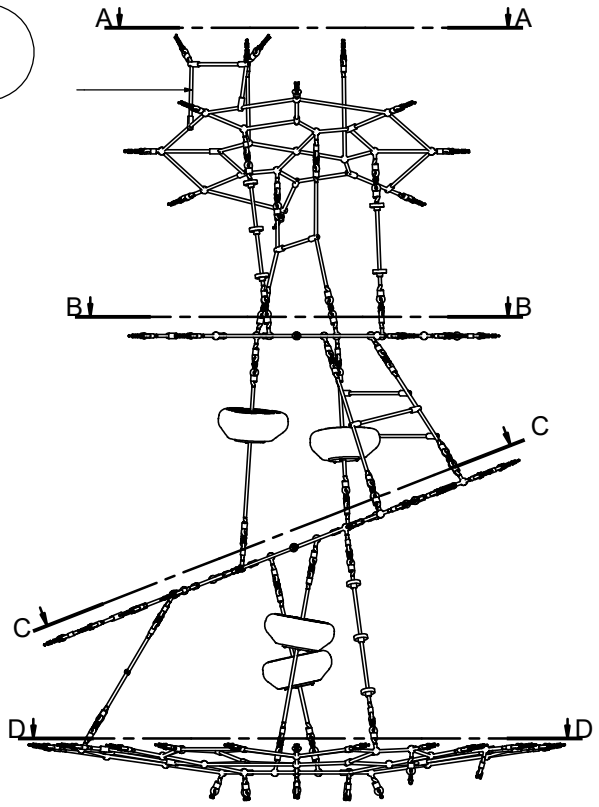
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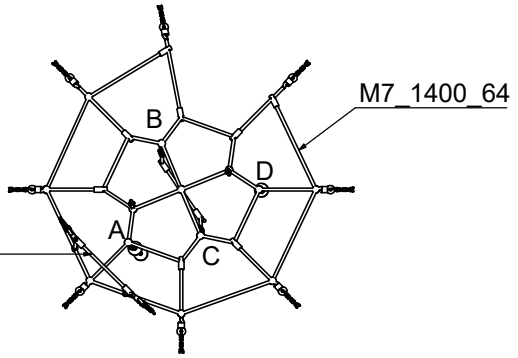
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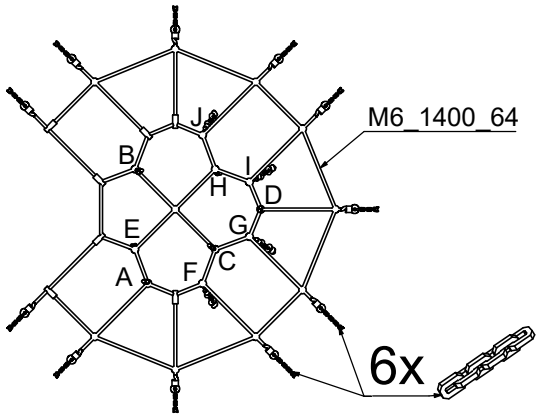
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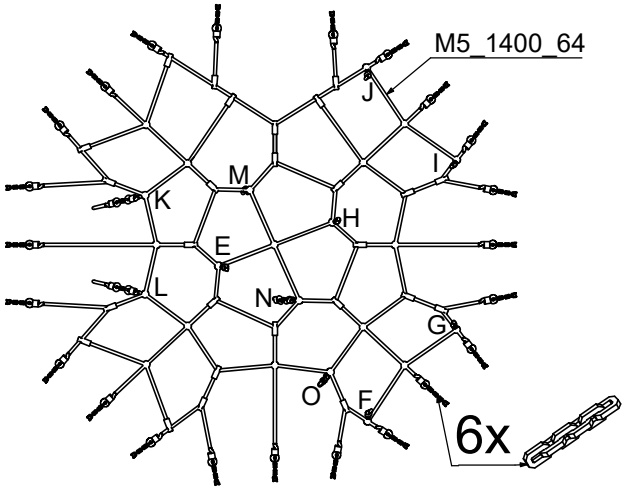
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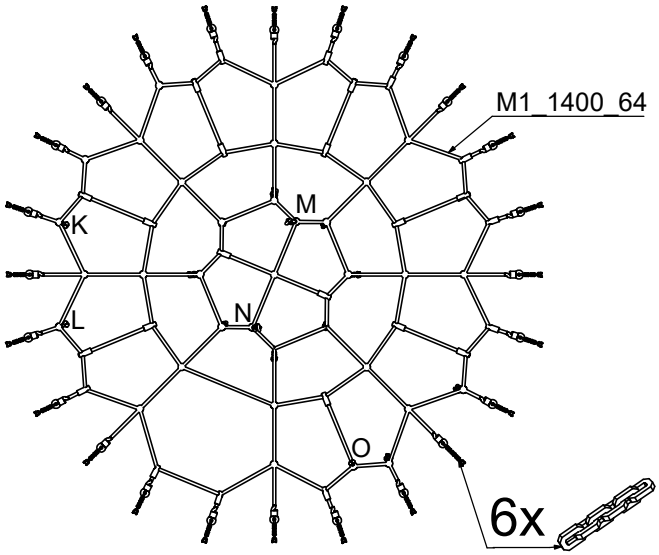
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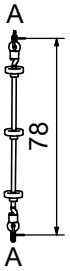
C-C (1 : 40)



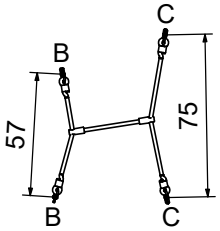
D-D (1 : 40)



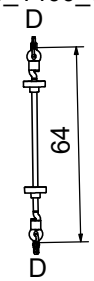
M17_1400_64



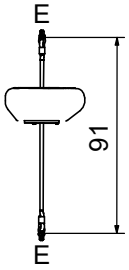
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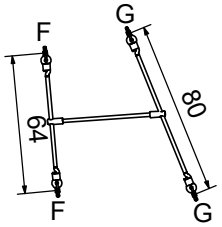
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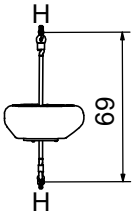
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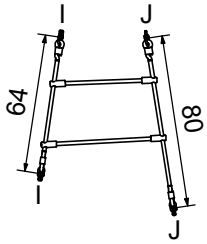
M15_1400_64



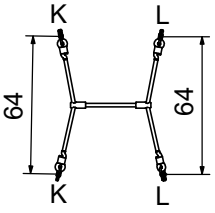
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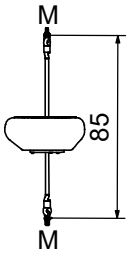
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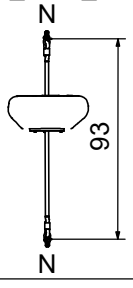
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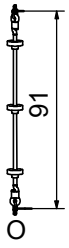
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M9_1400_64

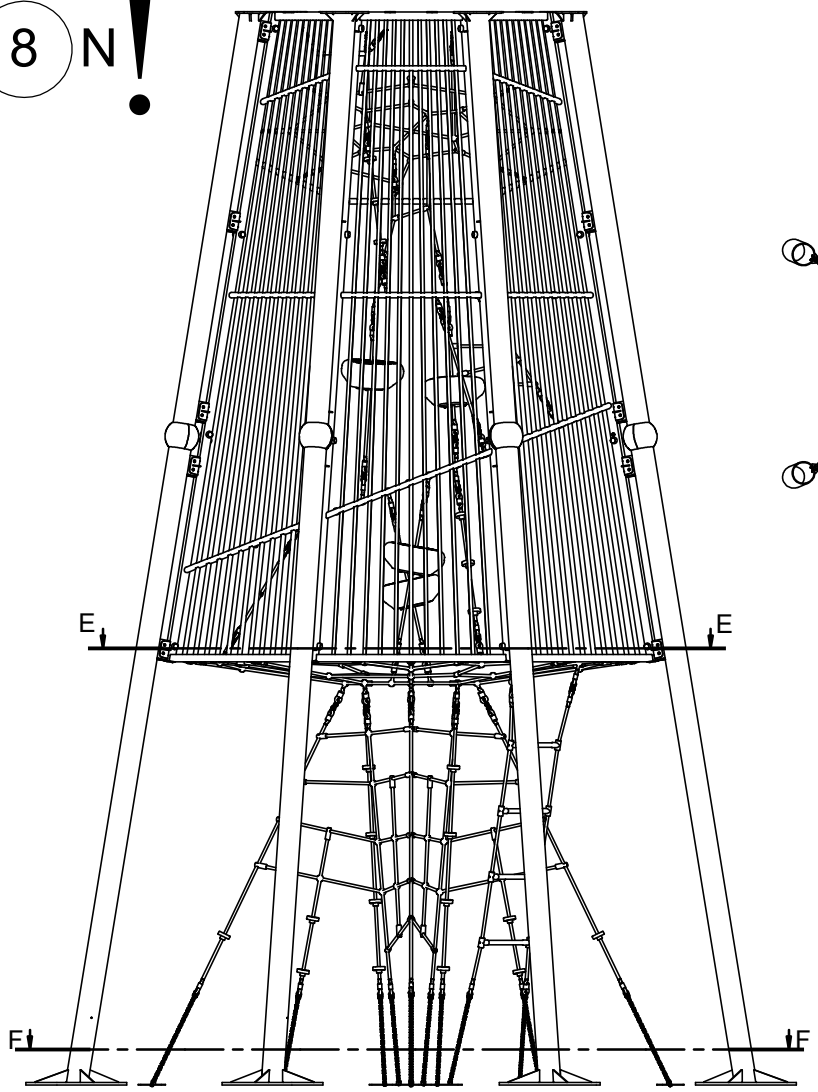


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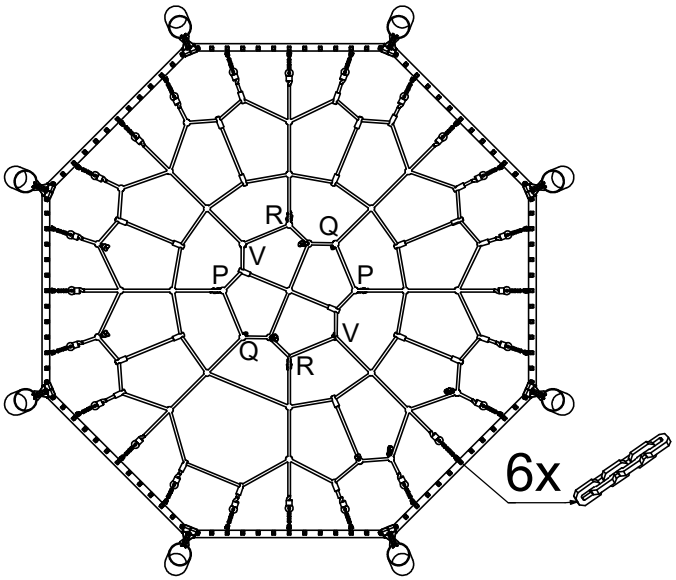


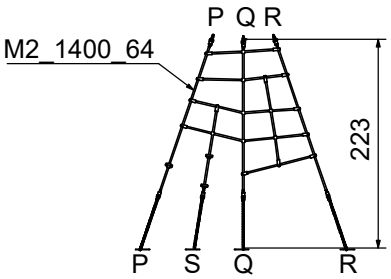
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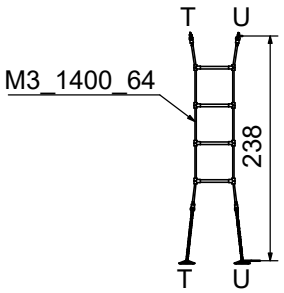
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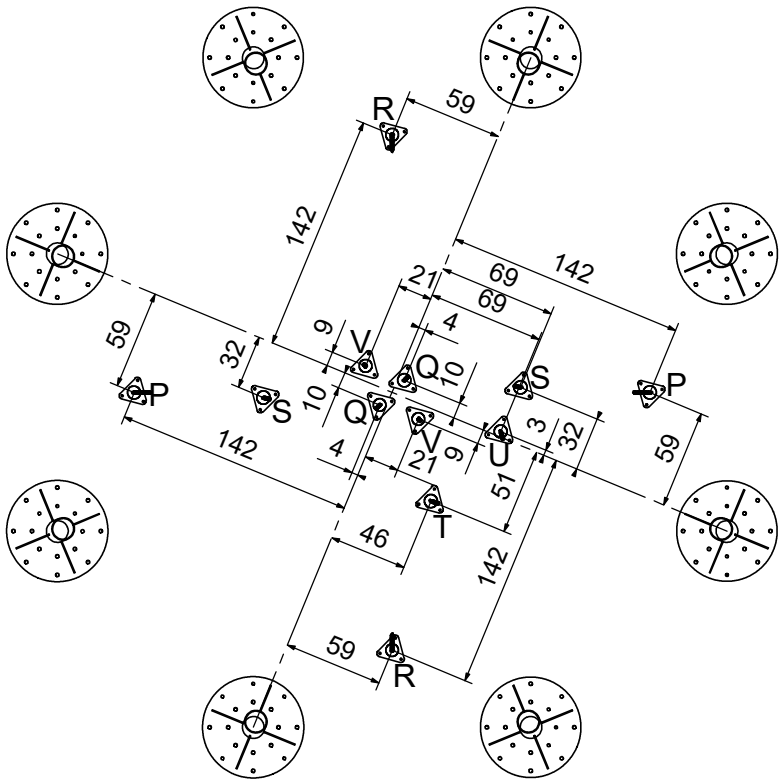


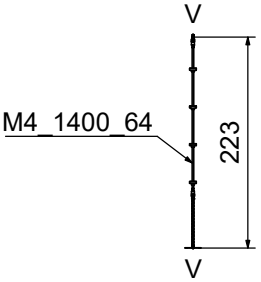
E-E (1 : 45)





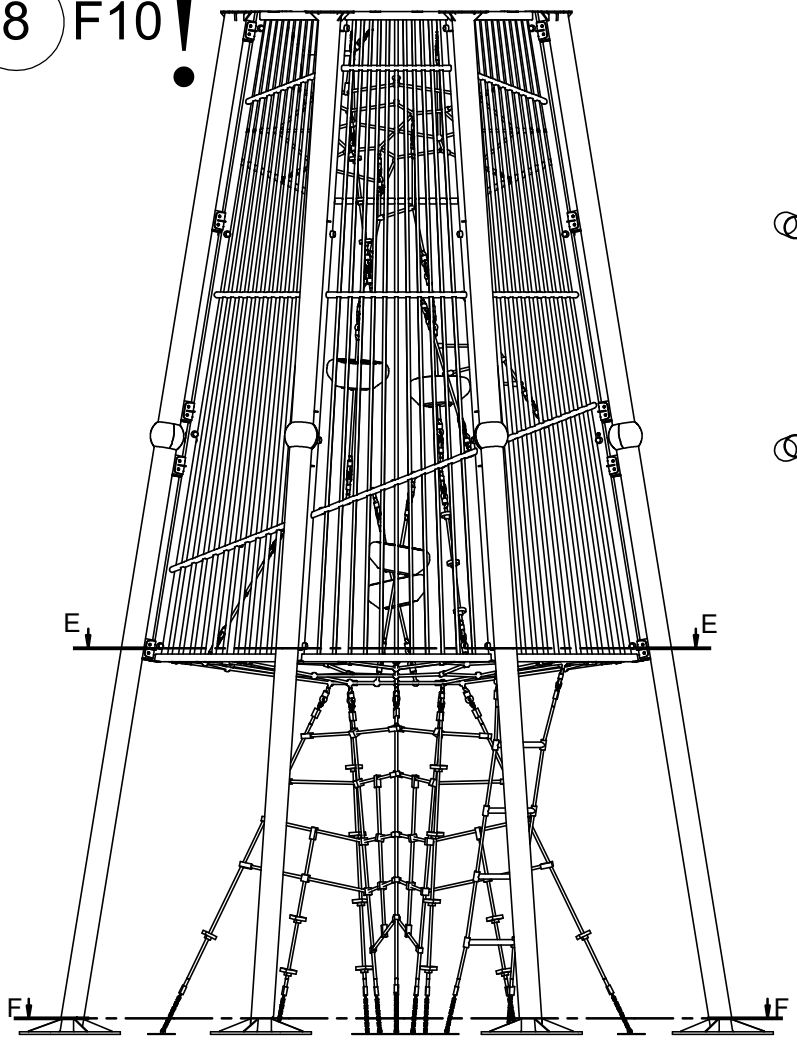




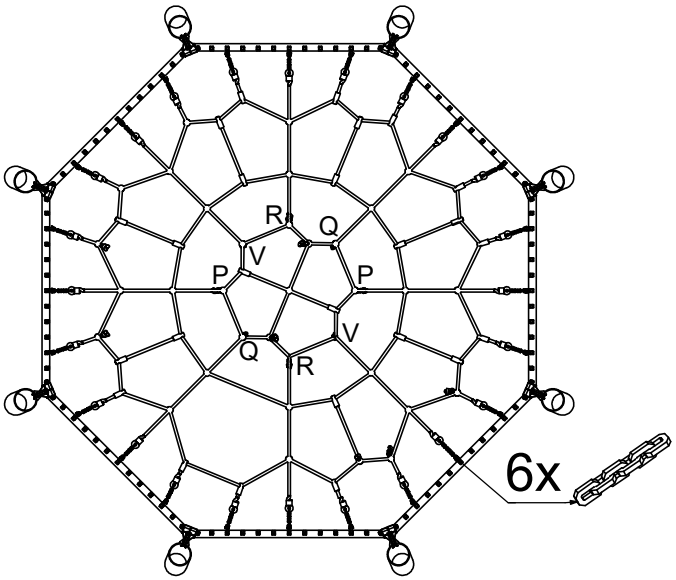


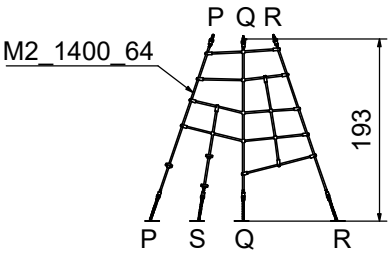
INST_14_64 7/9

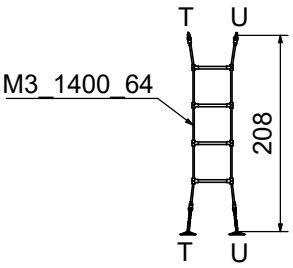
8 F10!

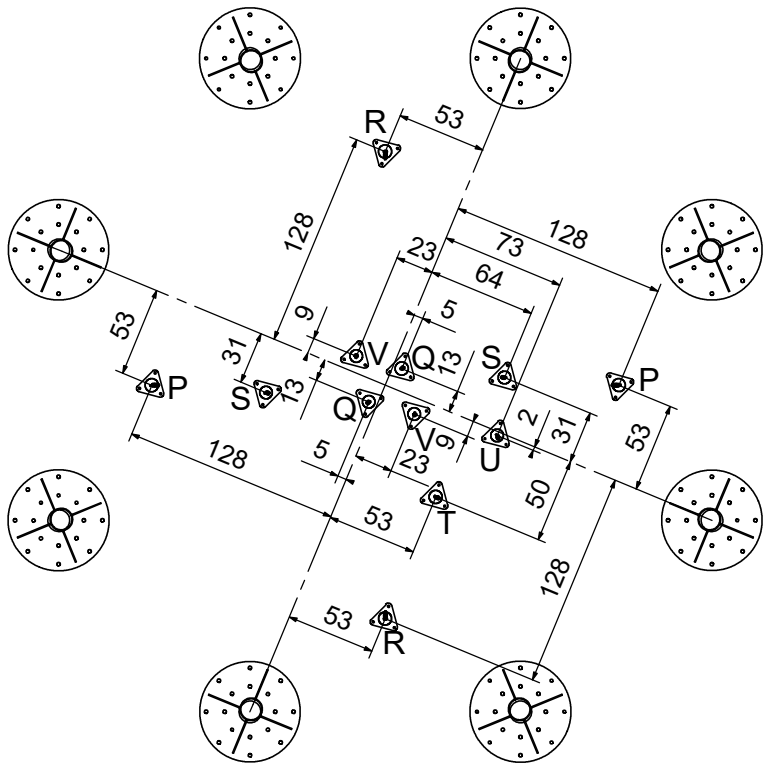

E
E
F
F

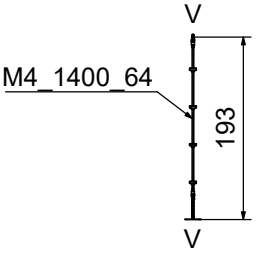
E-E (1 : 45)


R
Q
V
P
P
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Q
R
6x

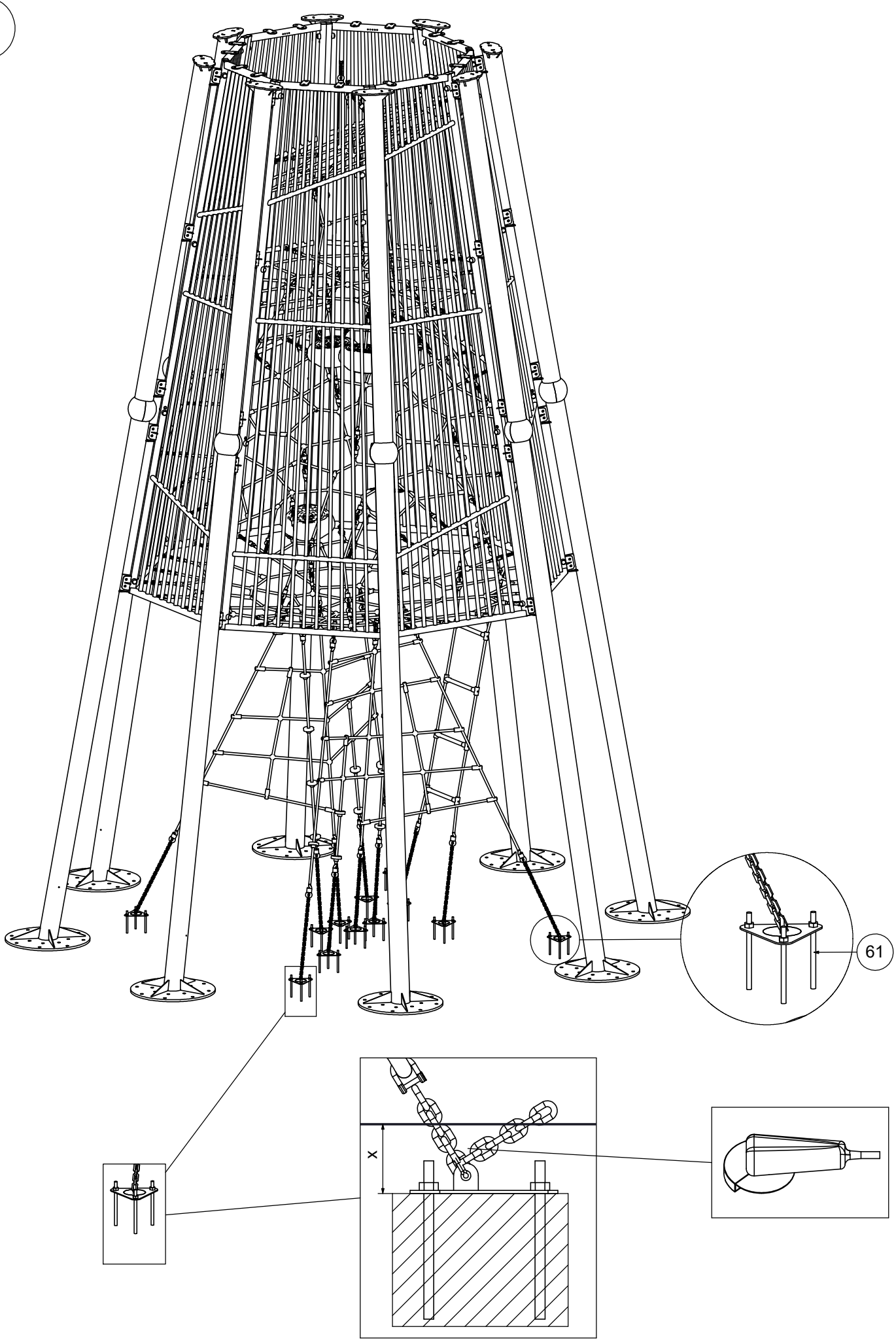

P Q R
M2_1400_64
193
P S Q R


T U
M3_1400_64
208
T U


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128
128
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V

9



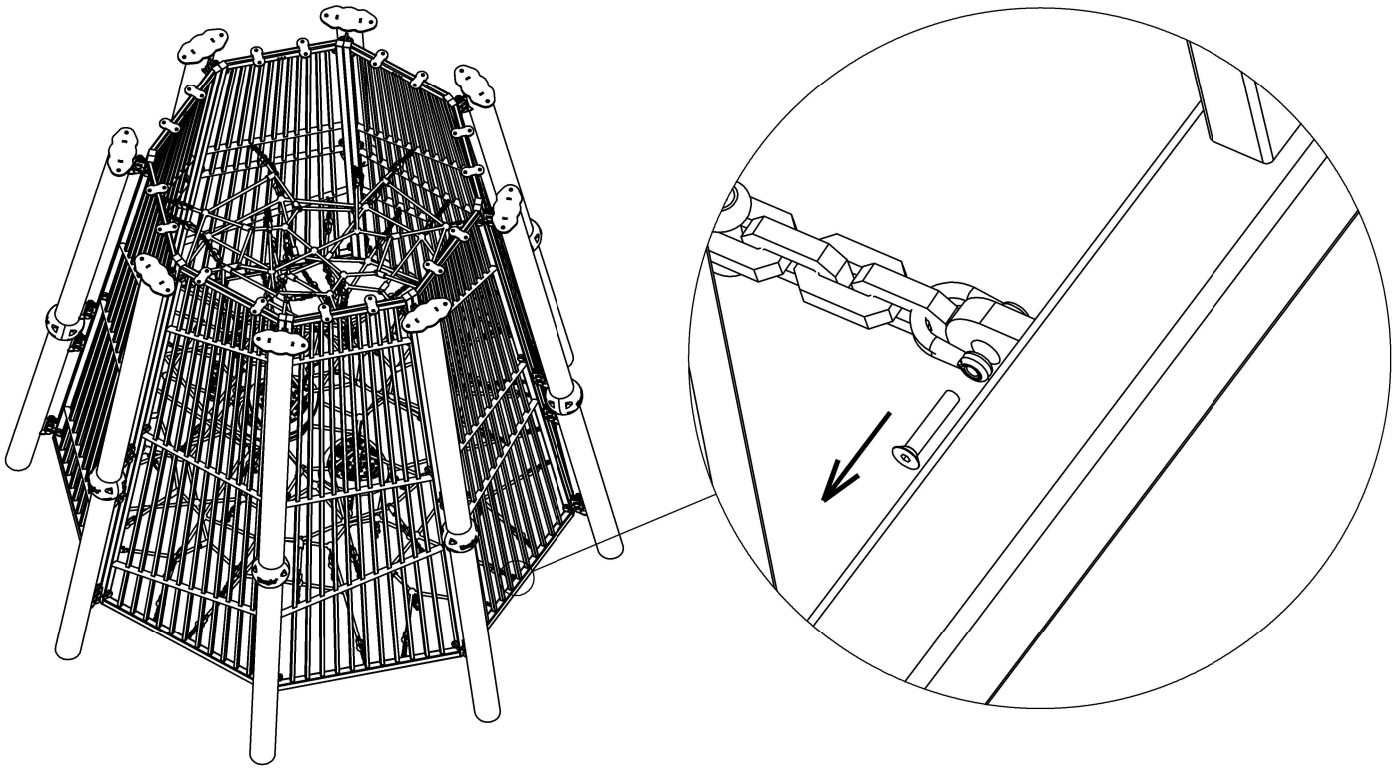
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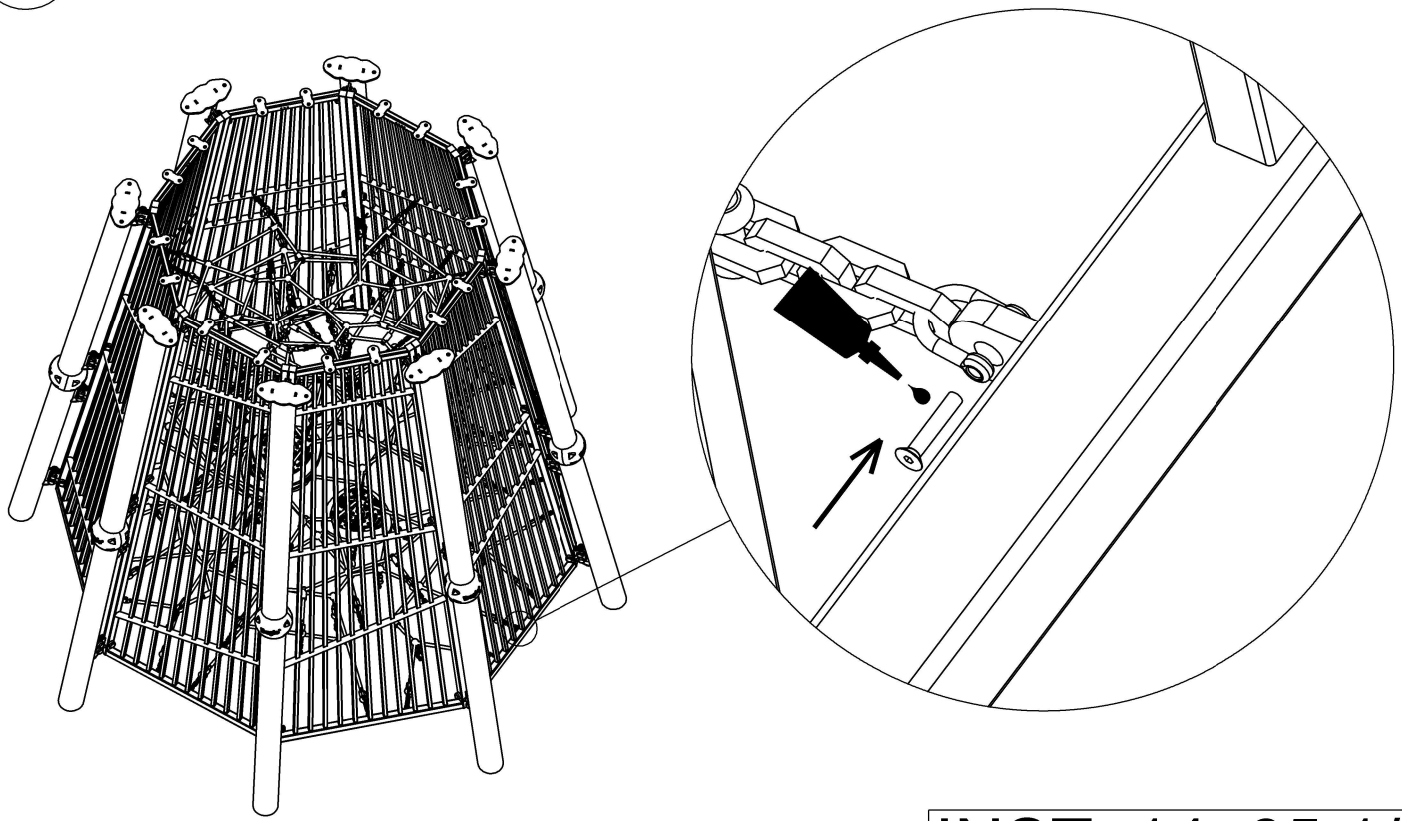
Nr. 3

Nr	Σ	Element		
58	1		-	LOCTITE
61	42		-	KL105 (OC)

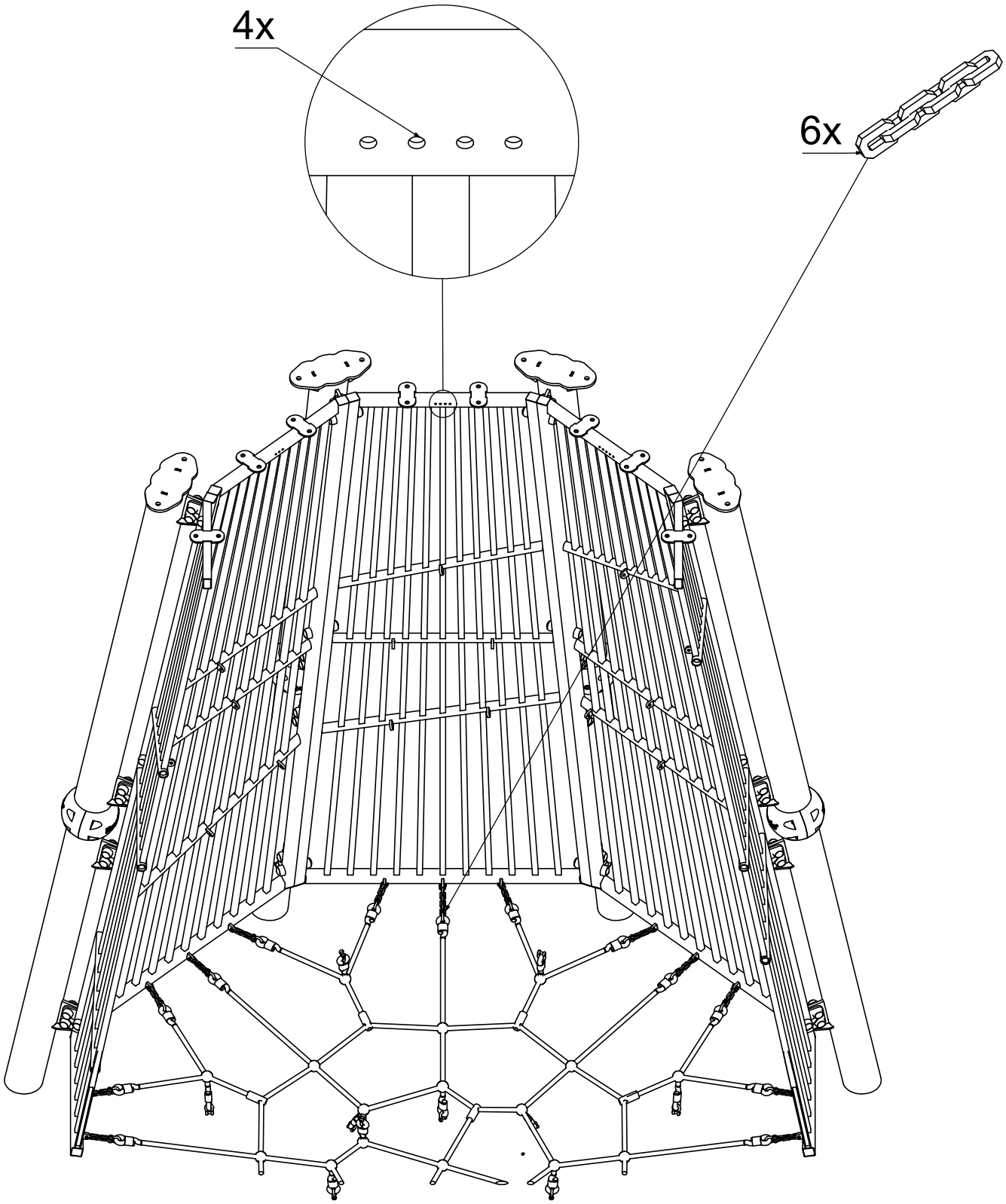
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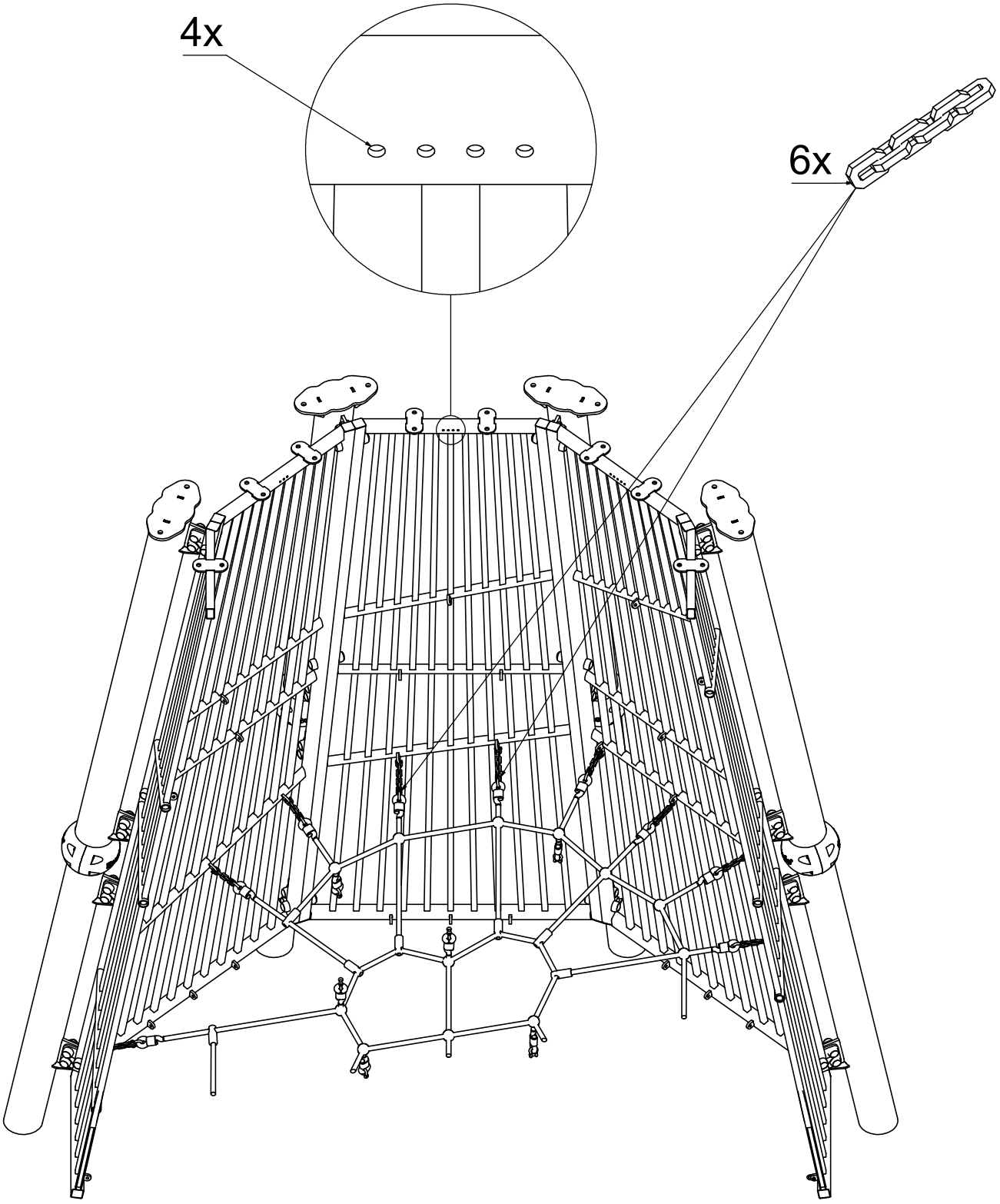
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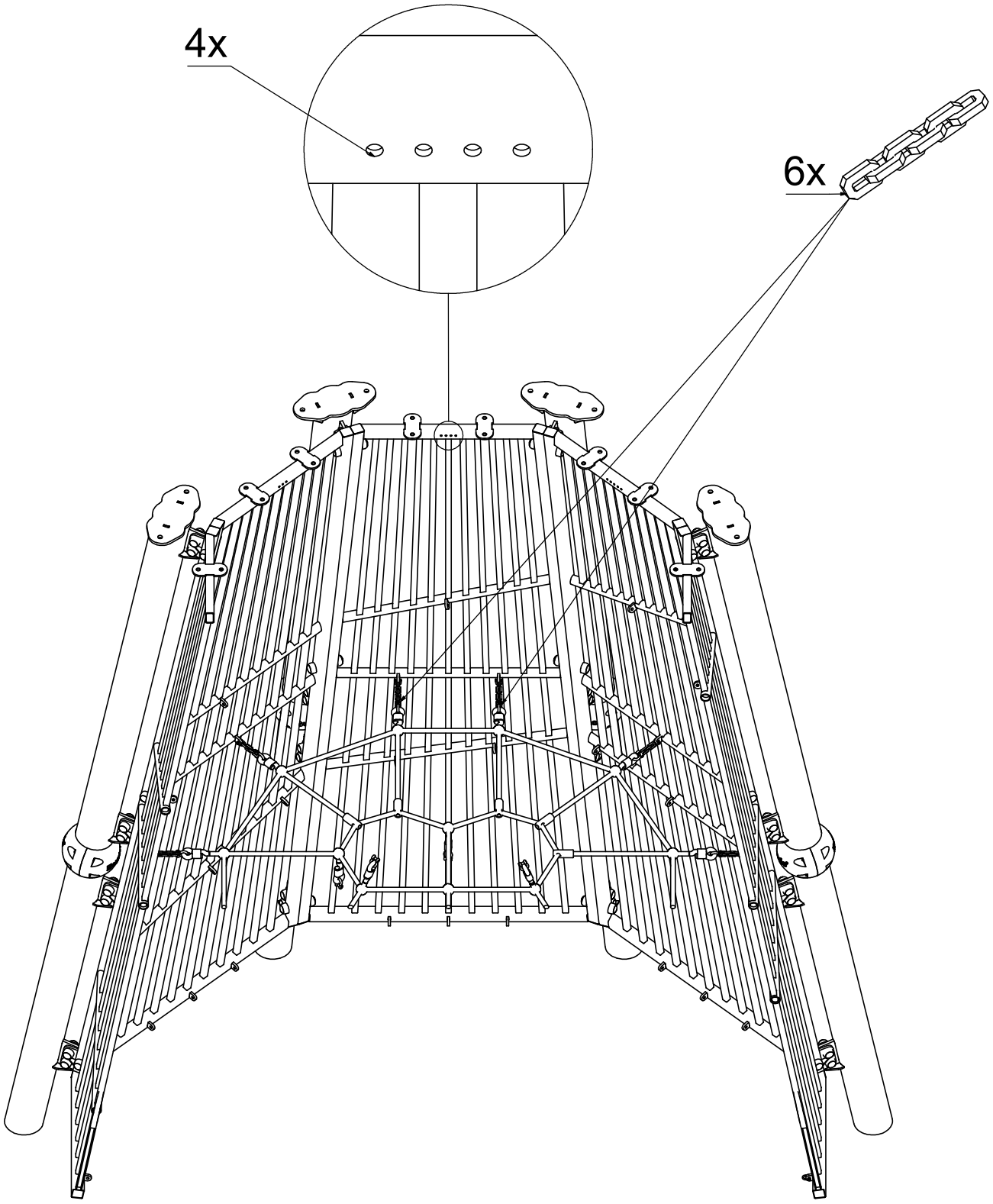
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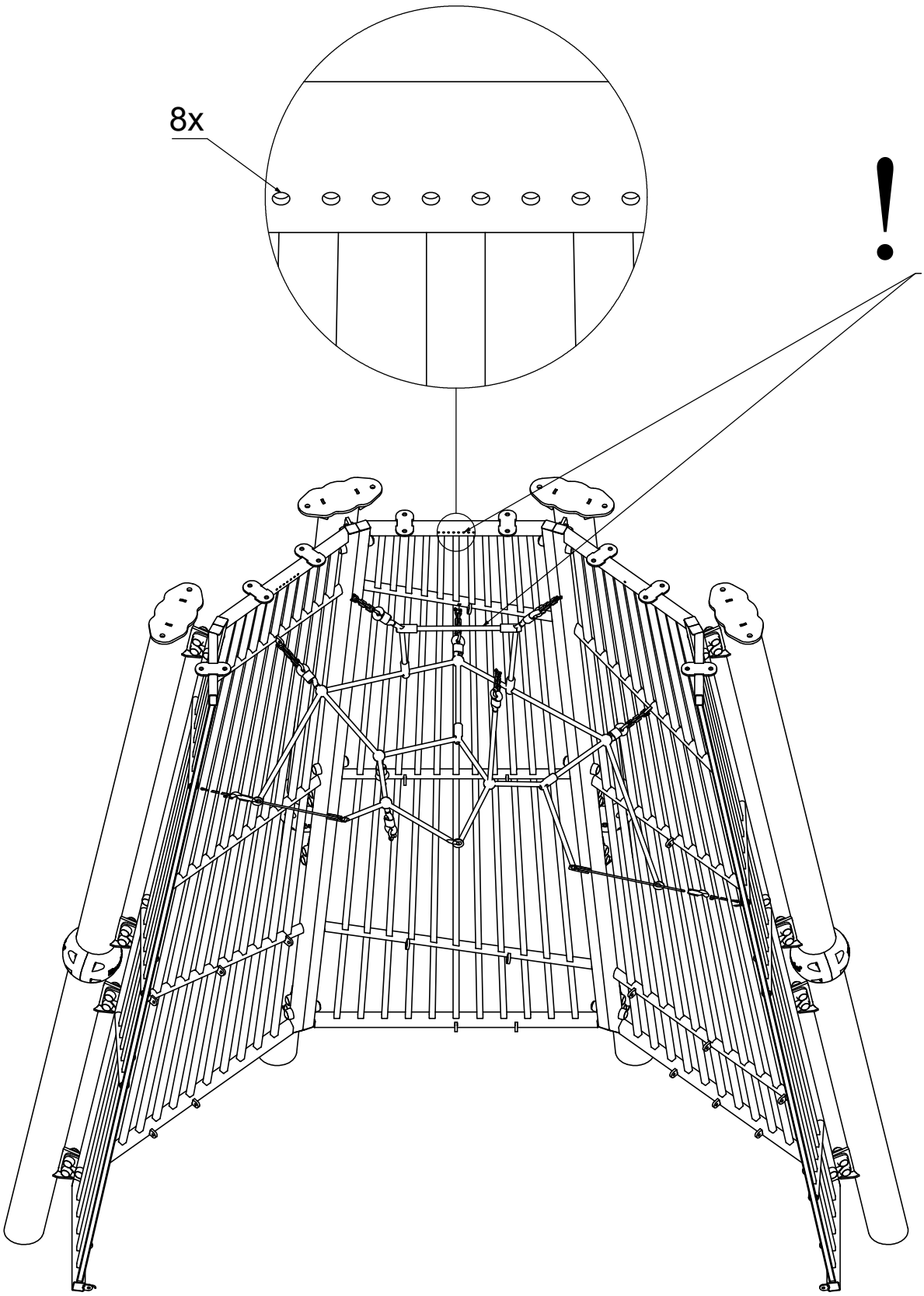
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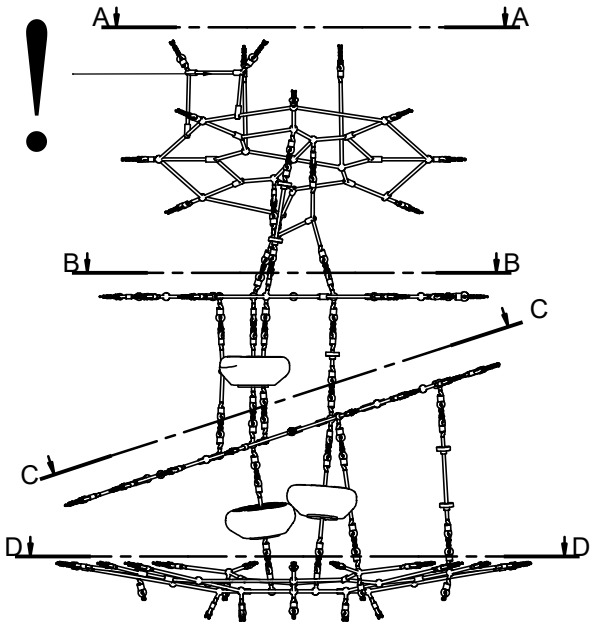
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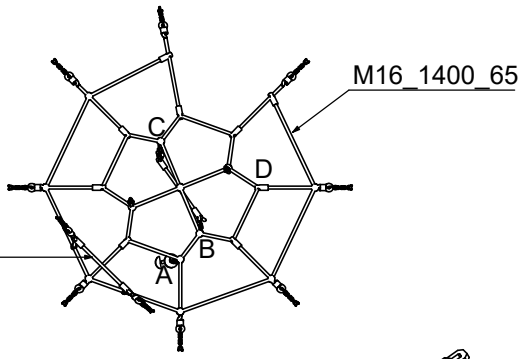
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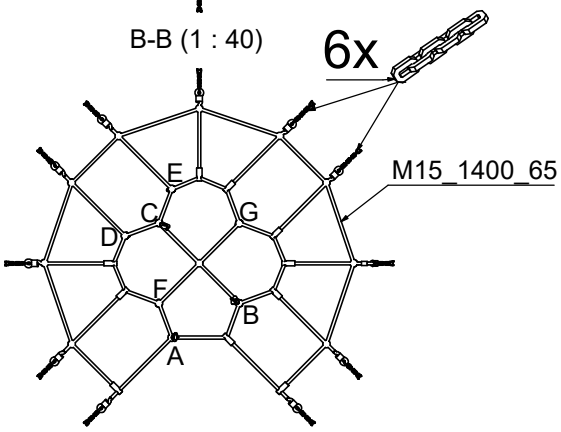
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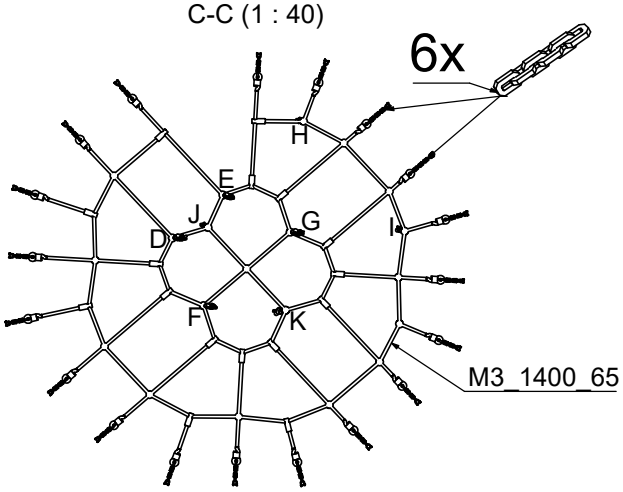
A-A (1 : 40)



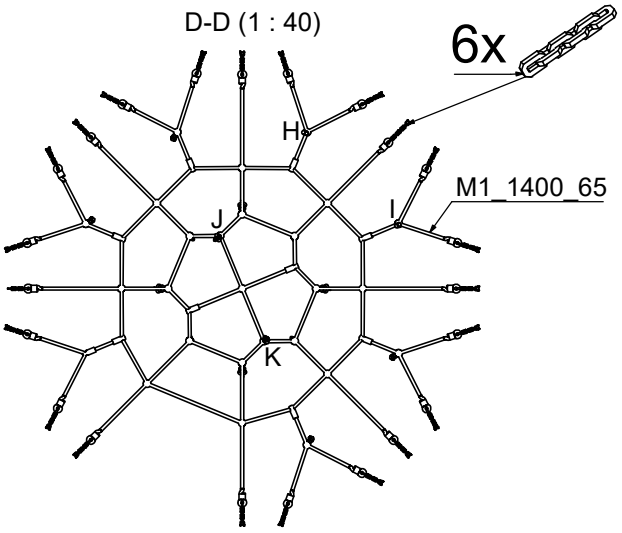
B-B (1 : 40)



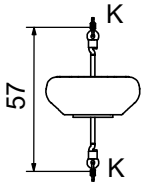
C-C (1 : 40)



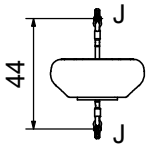
D-D (1 : 40)



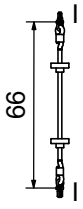
M4_1400_65



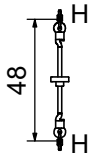
M5_1400_65



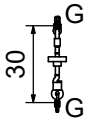
M6_1400_65



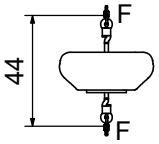
M7_1400_65



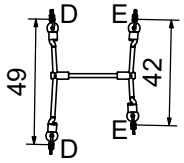
M8_1400_65



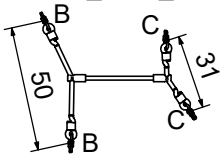
M9_1400_65



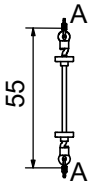
M10_1400_65



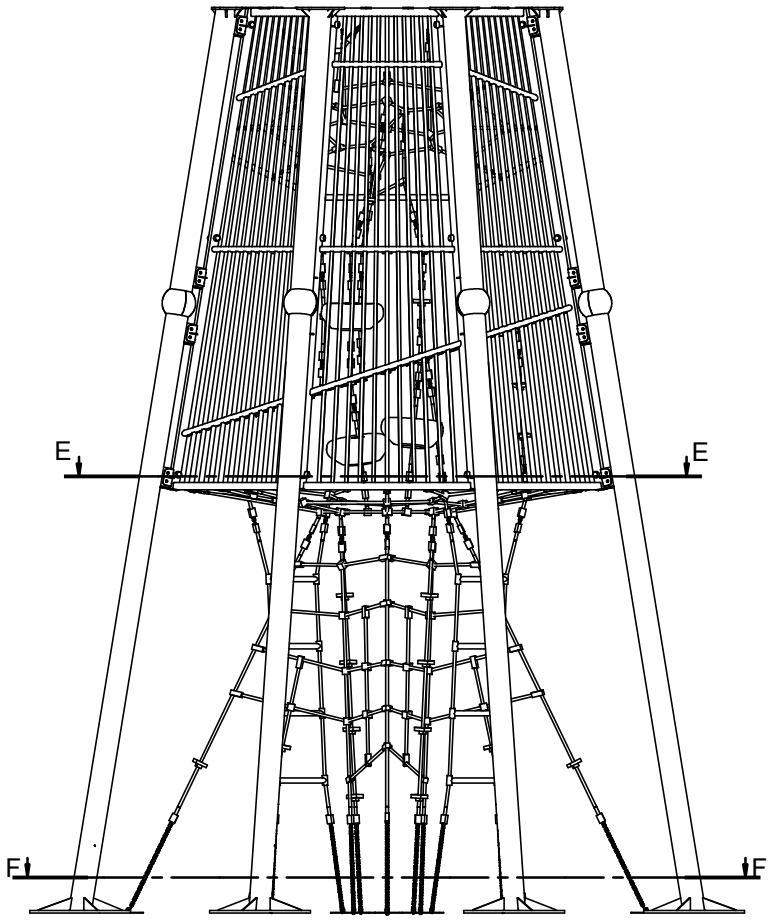
M11_1400_65



M12_1400_65

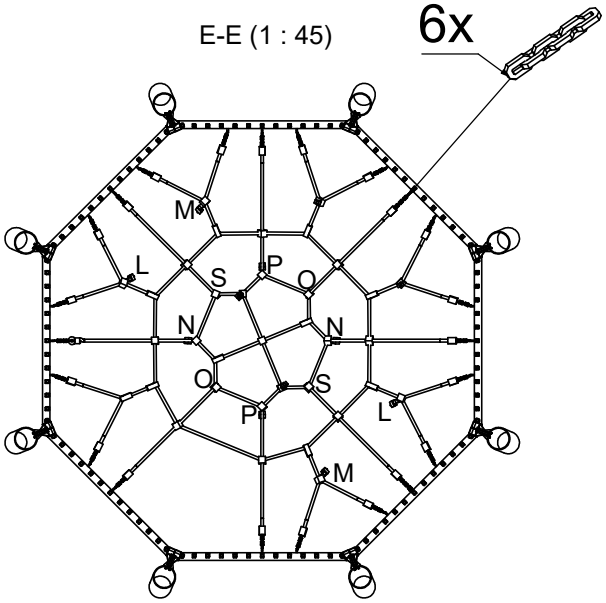


8 N!

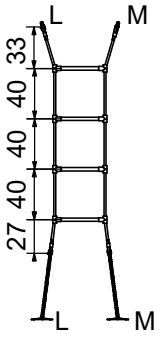


E-E (1 : 45)

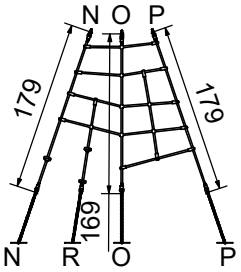
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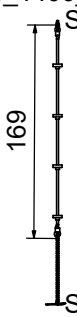
M2_1400_65F40

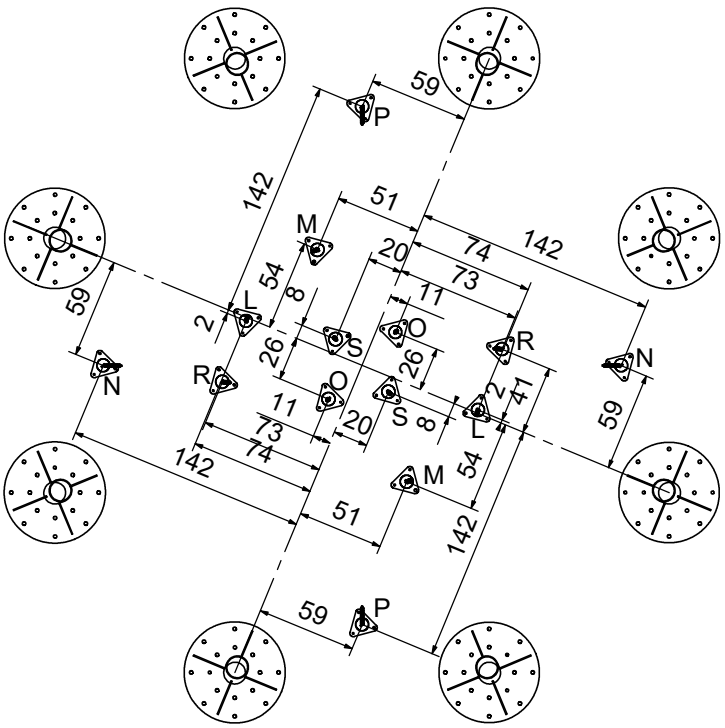


M13_1400_65F40



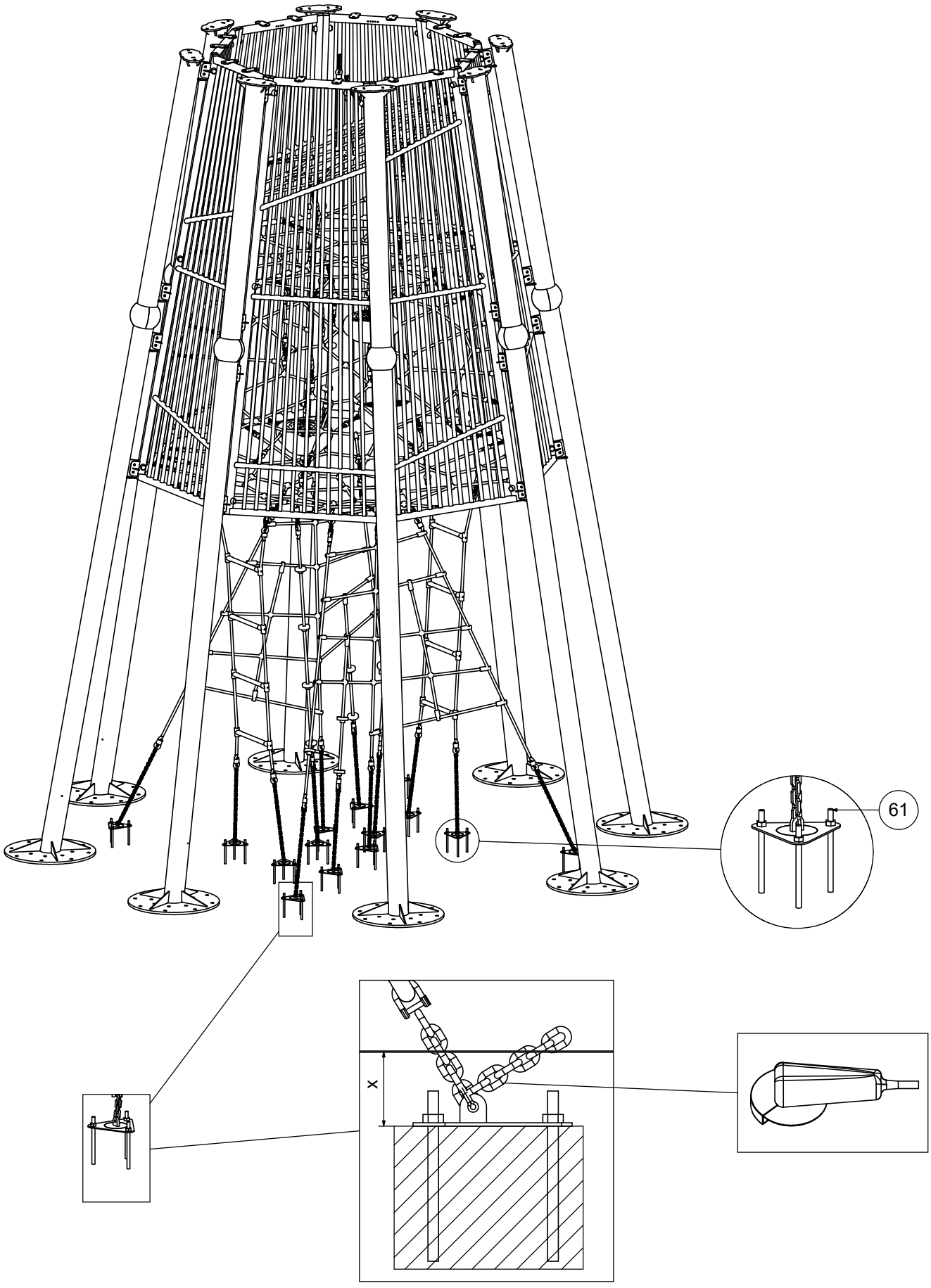
M14_1400_65F40





INST_14_65 7/8

9



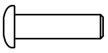
INST_14_65 8/8

INST_14_68A

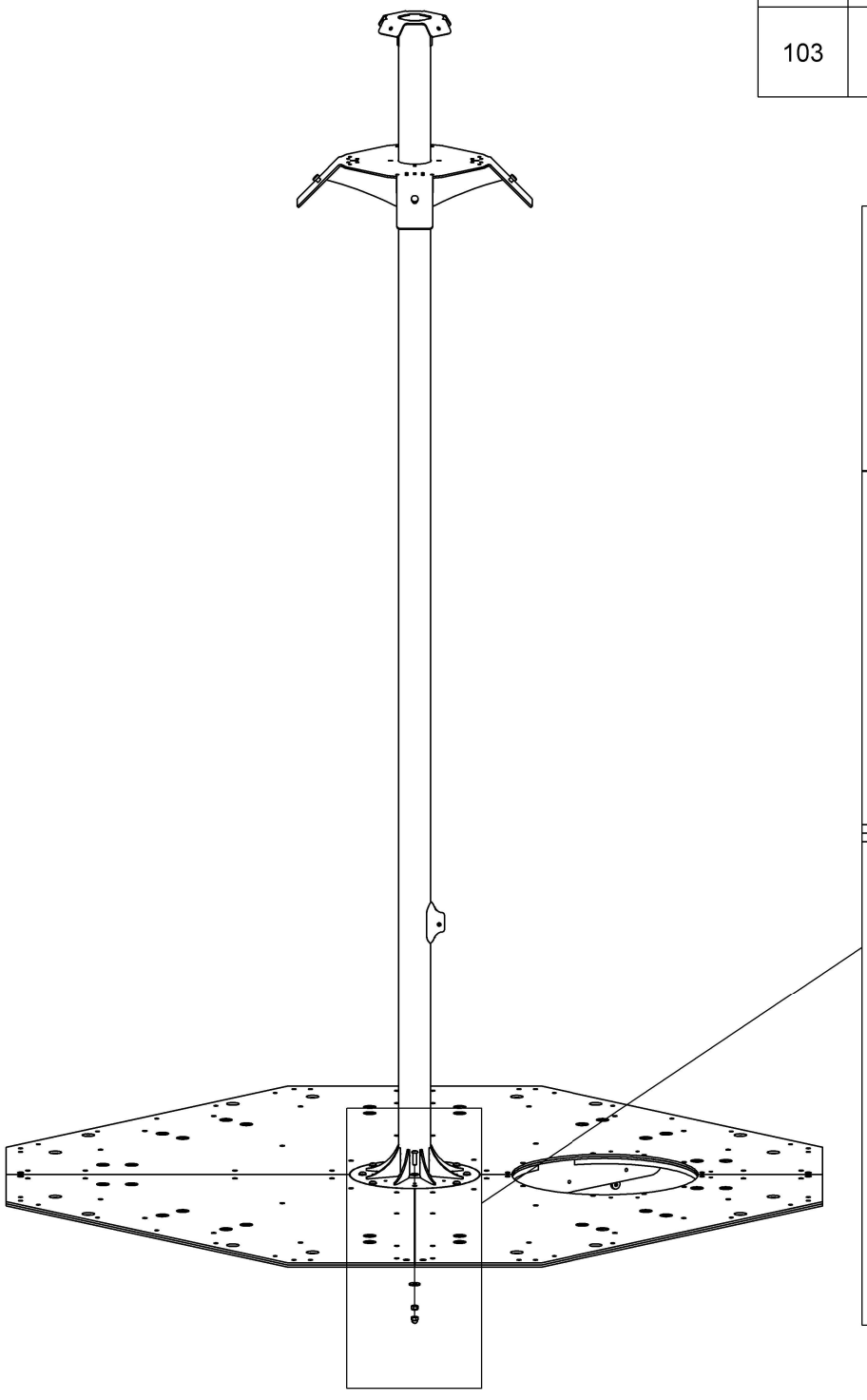


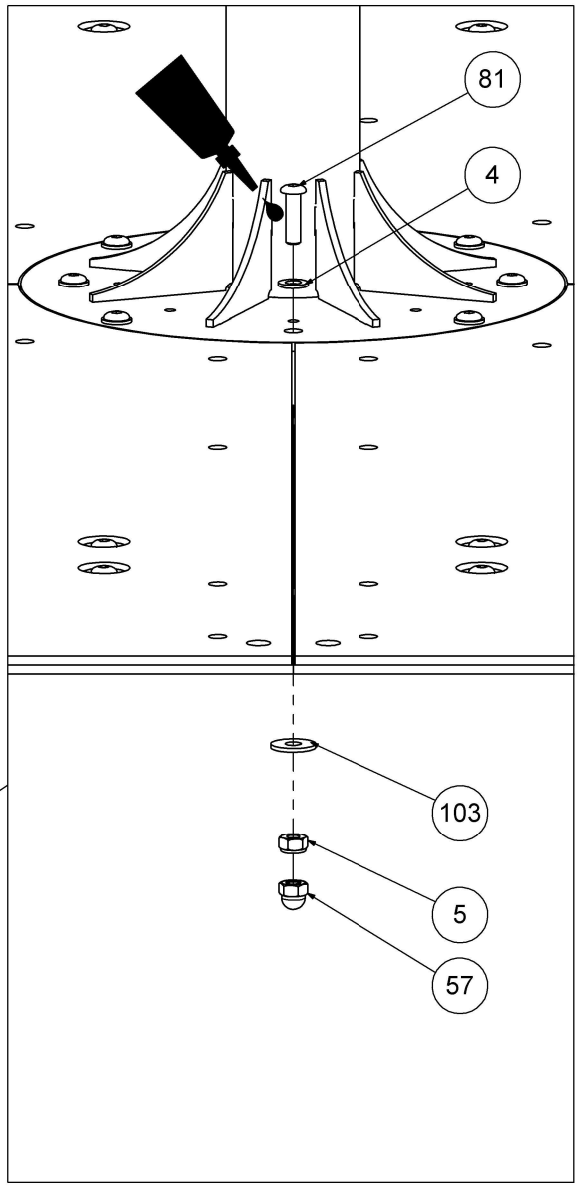


Nr. 6 Nr. 17

Nr	Σ	Element		
4	8		DIN 125	10x20
5	8		DIN 985	M10
57	8		DIN 1587	M10
58	1		-	LOCTITE
81	8		ISO 7380	M10x35
103	8		DIN 9021	10x30

1





INST_14_68B



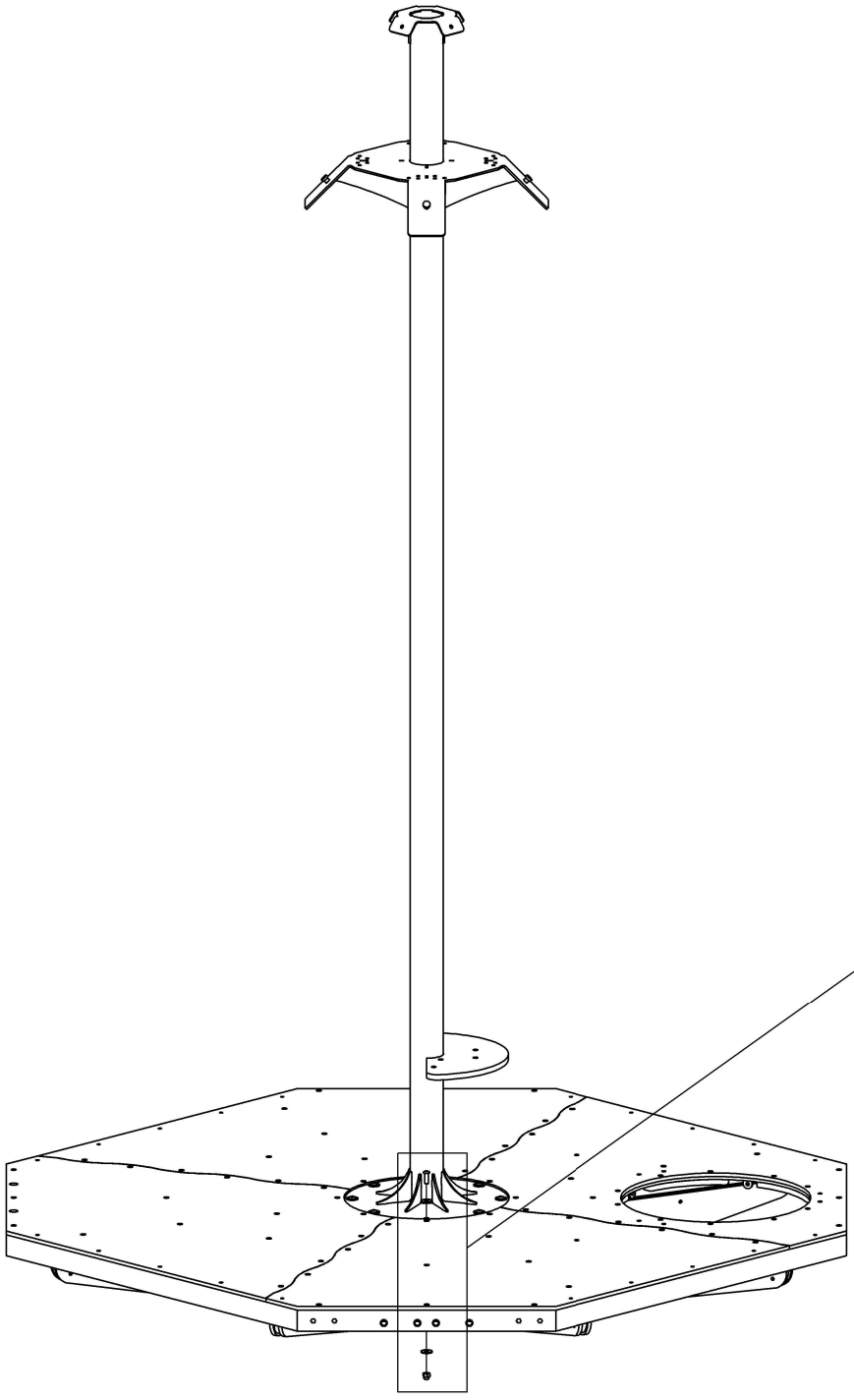
Nr. 6

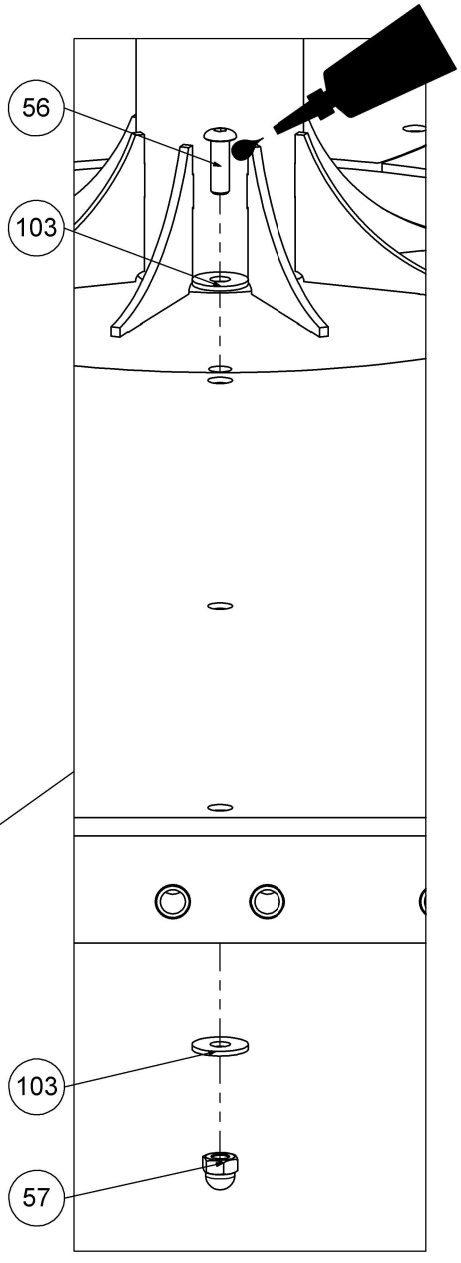


Nr. 17

Nr	Σ	Element		
56	8		ISO 7380	M10x30
57	8		DIN 1587	M10
58	1		-	LOCTITE
103	16		DIN 9021	10x30

1





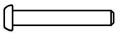
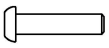
INST_14_84



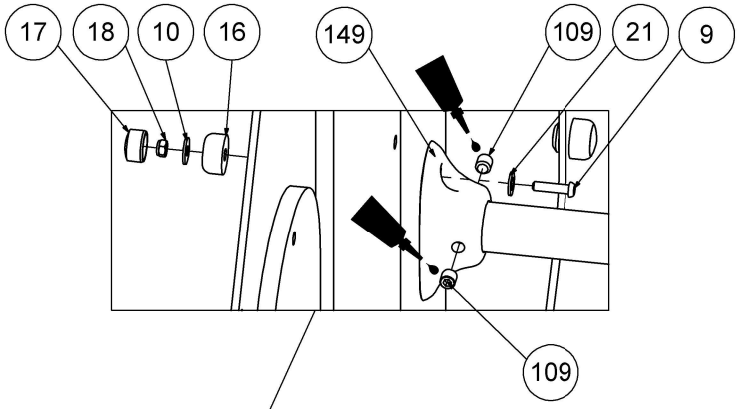
Nr. 4, 5

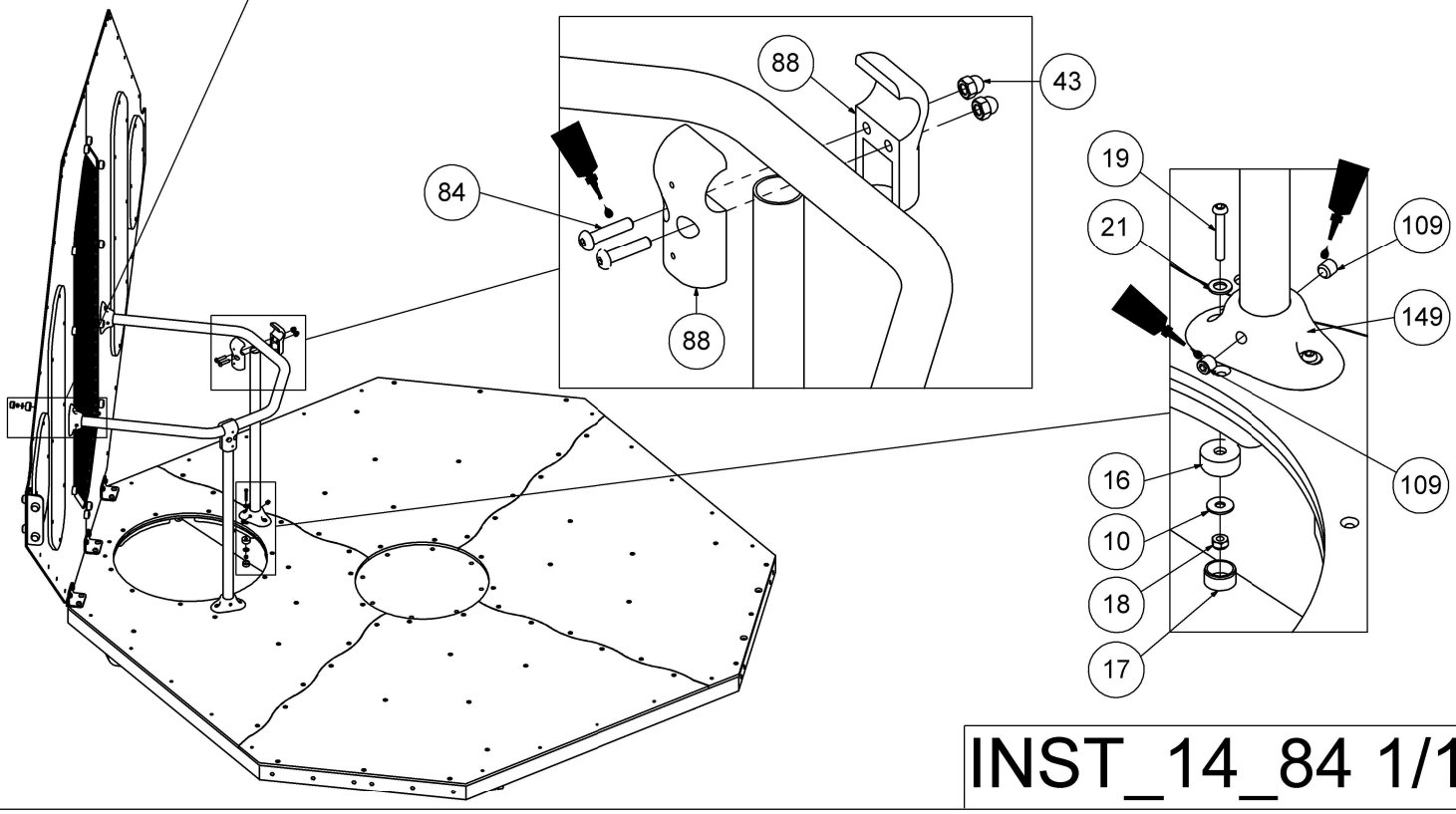


Nr. 10, 13

Nr	Σ	Element		
9	4		ISO 7380	M6x25
10	8		DIN 9021	6x18
16	8		-	K1_d21_B
17	8		-	Z1_d21_B
18	8		DIN 985	M6 (OC)
19	4		ISO 7380	M6x40
21	8		DIN 125	8x16
43	4		DIN 1587	M8
58	1		-	LOCTITE
84	4		ISO 7380	M8x35
88	2		-	ALUZ RR
109	8		DIN 913	10x10
149	4		-	ALUZ SD

1





INST_14_84 1/1

INST_14_90



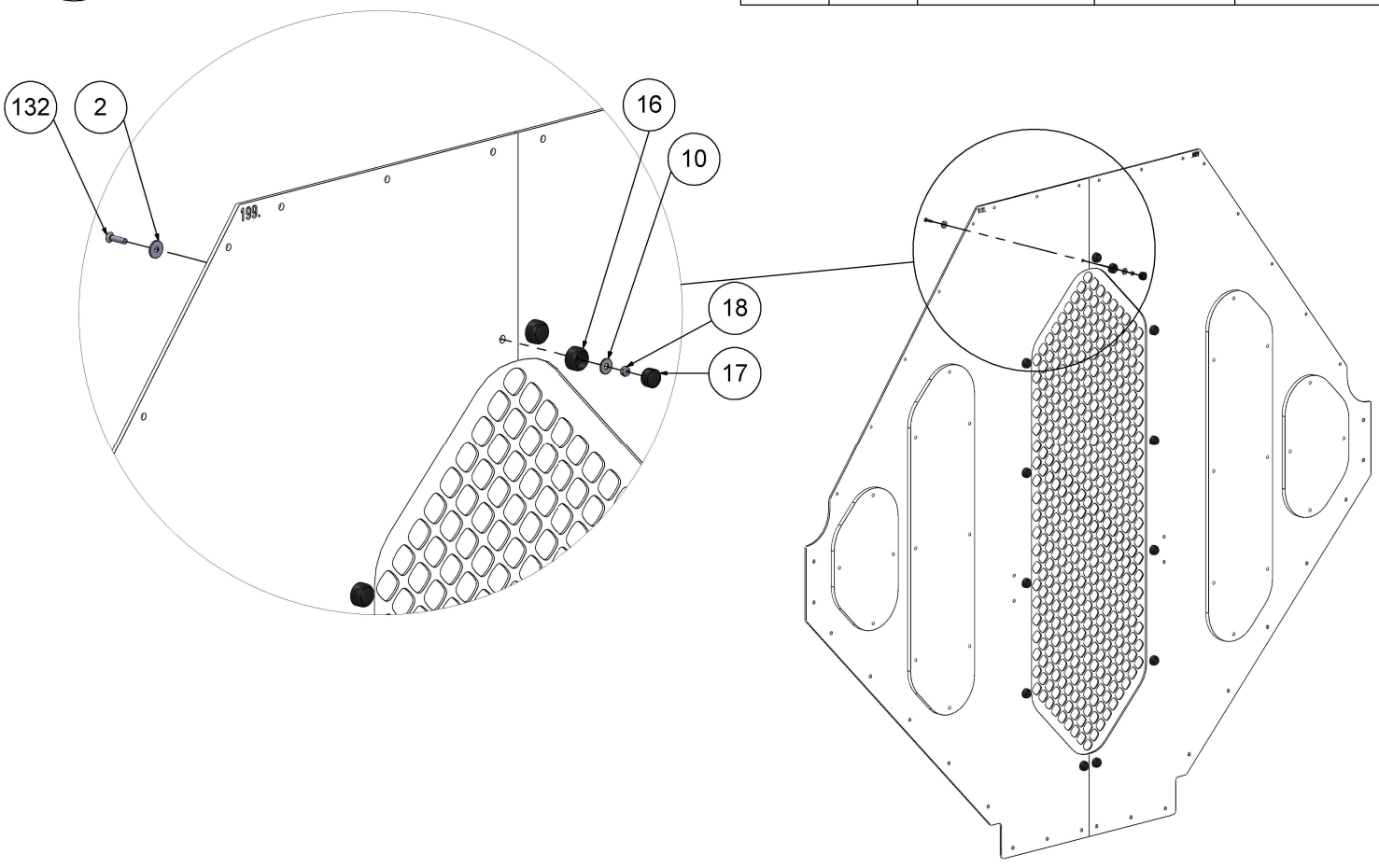
Nr. 4, 5



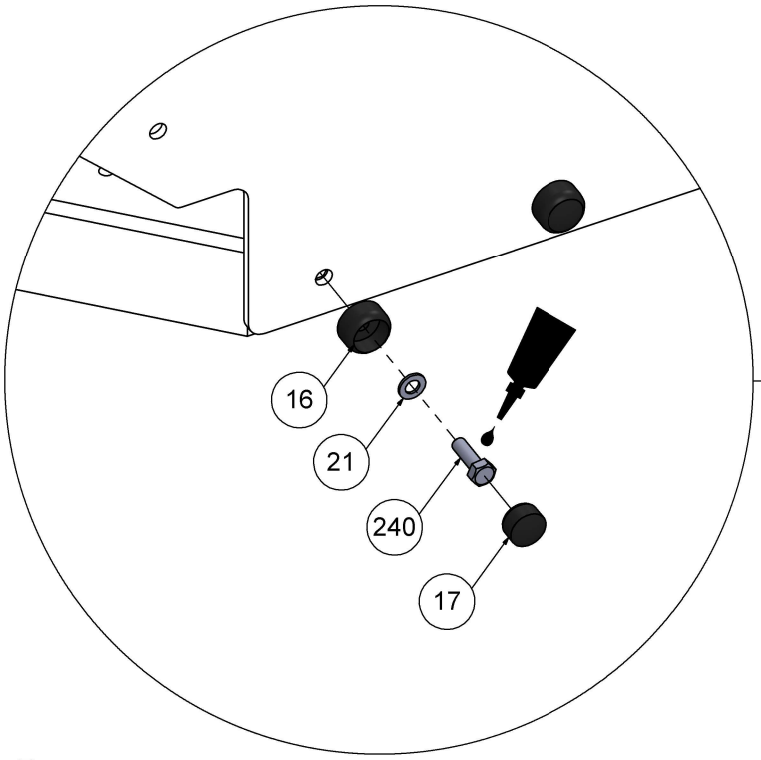
Nr. 10,13

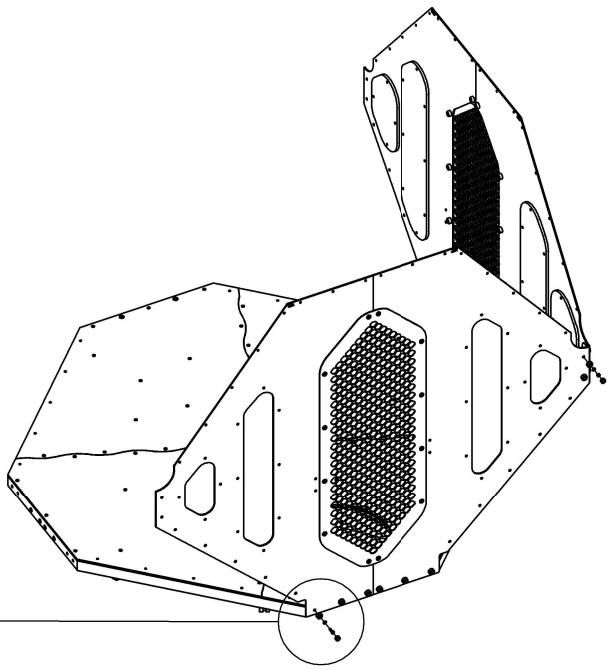
Nr	Σ	Element		
2	12		-	W6x60
10	12		DIN 9021	6x18
16	22		-	K1_d21_B
17	22		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
21	14		DIN 125	8x16
28	4		ISO 7380	M8x25
31	4		DIN 985	M8 (OC)
58	1		-	LOCTITE
132	12		DIN 7991	M6x25
240	6		DIN 933	M8x25 (OC)

1

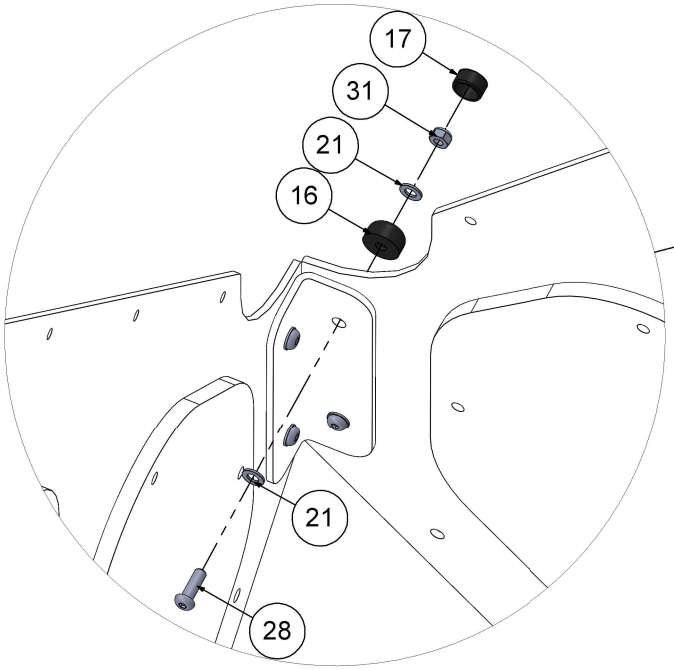


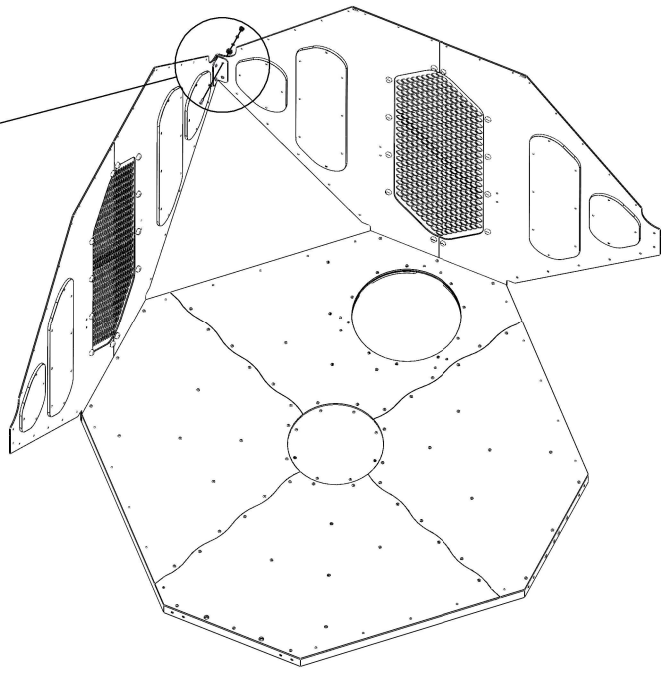
2





3





INST_14_90 2/2

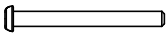
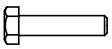
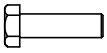
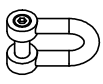
INST_14_94



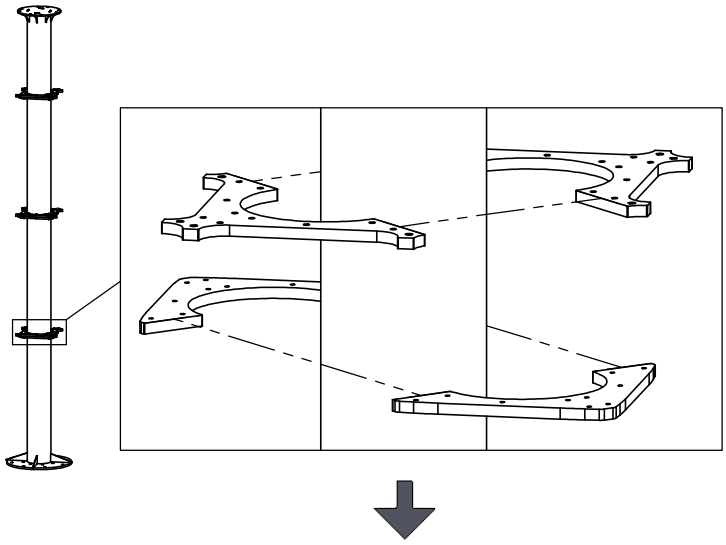
Nr. 4

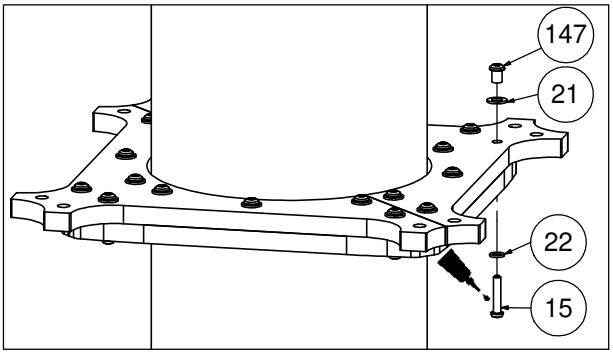


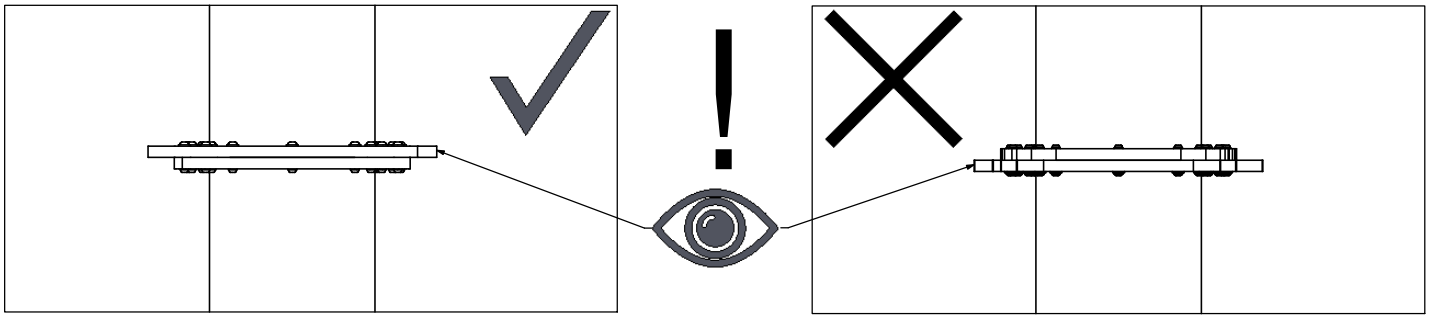
Nr. 10, 13, 24

Nr	Σ	Element		
11	16		DIN 1587	M6
15	60		ISO 7380	M6x30
21	140		DIN 125	8x16
22	76		DIN 125	6x12
24	84		ISO 7380	M6x16
31	40		DIN 985	M8 (OC)
49	28		-	PRT
58	1		-	LOCTITE
90	16		DIN 125	16x30
101	16		ISO 7380	M6x60
147	60		-	M6x10
209	40		DIN 933	M8x35
238	8		DIN 1587	M16
322	8		DIN 931	M16x55
327	8		-	MLR133
560	24		-	Szekla U 10mm A4

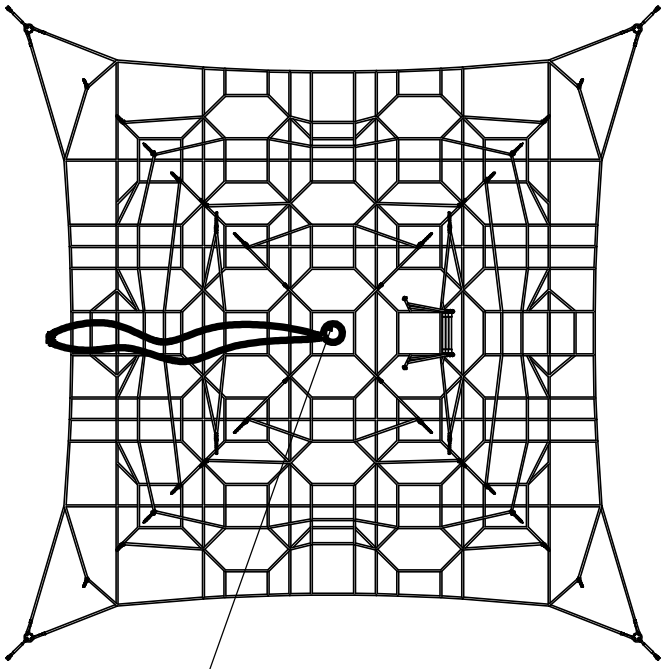
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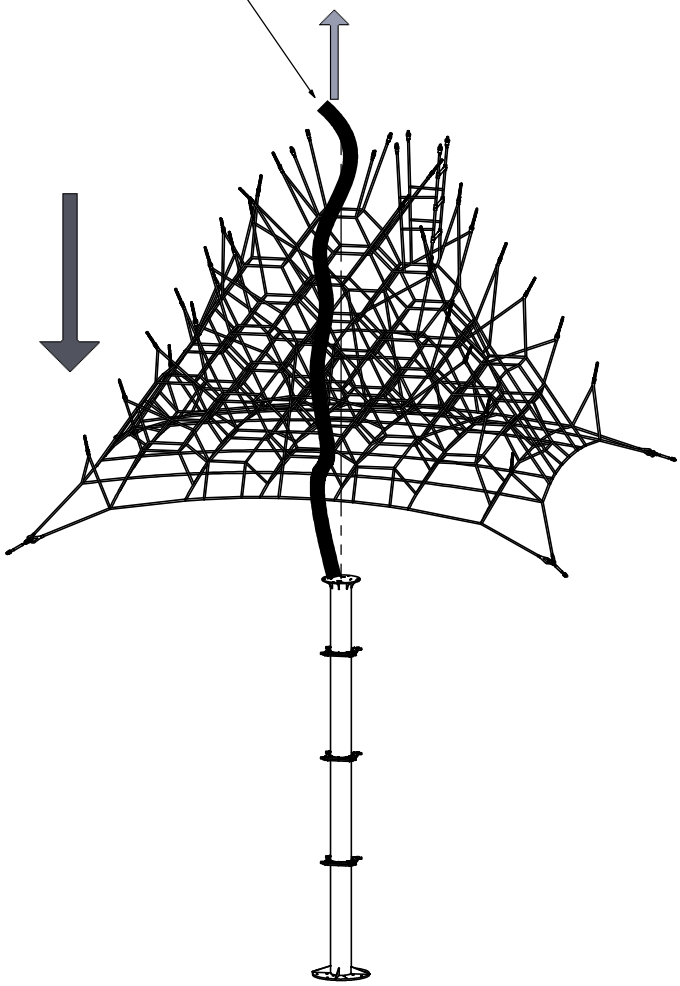


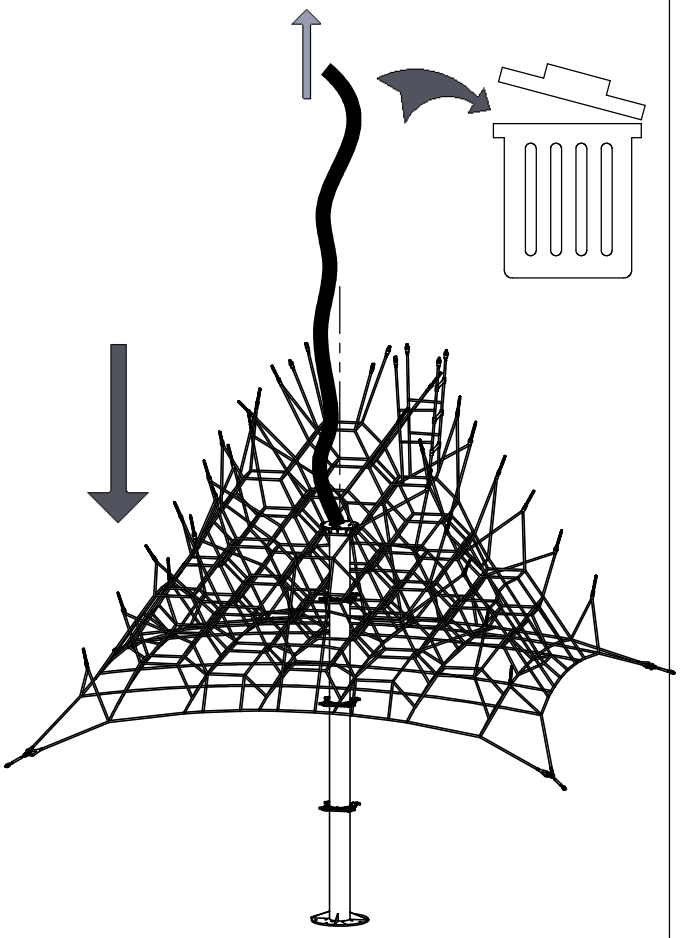




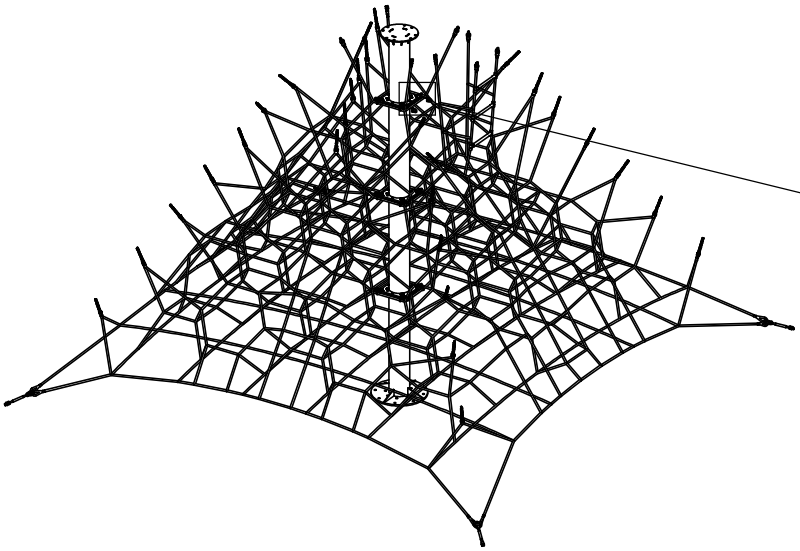
INST_14_94

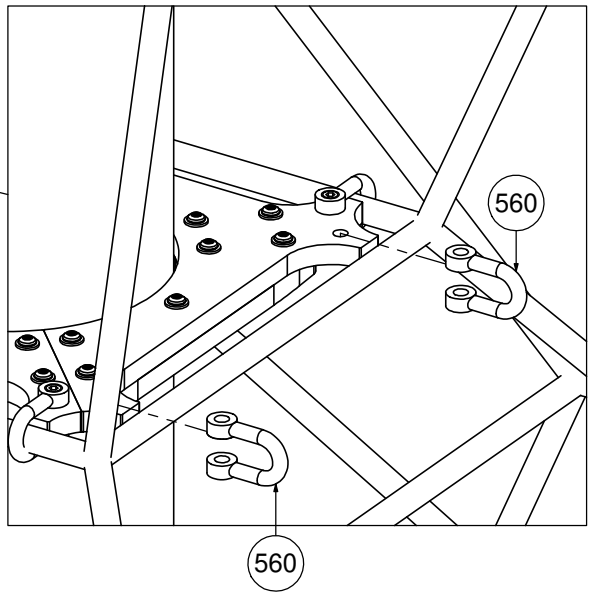


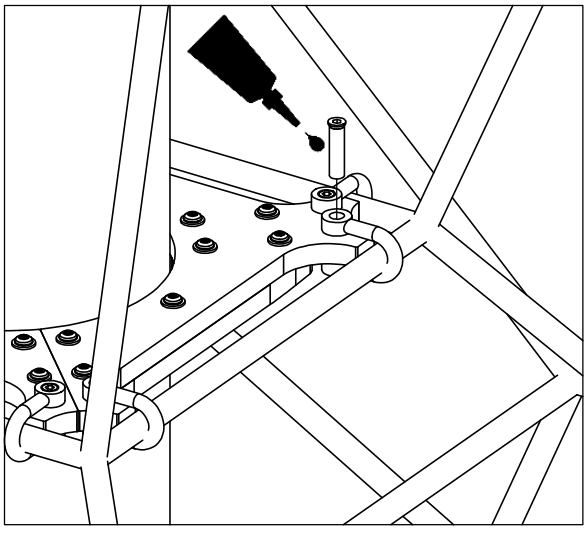




INST_14_94



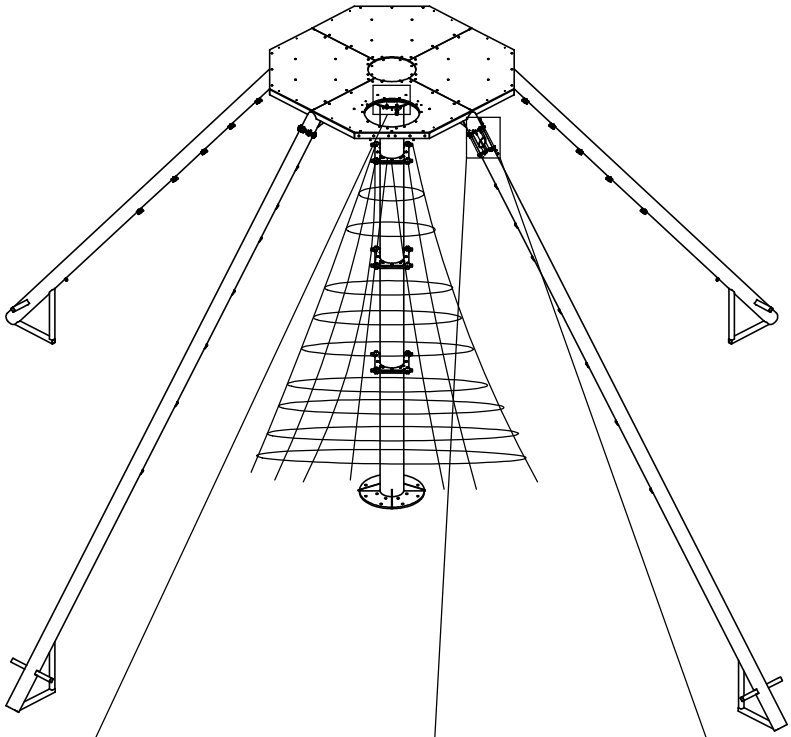


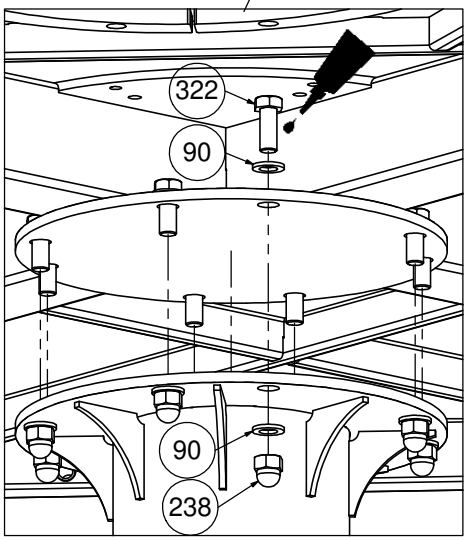


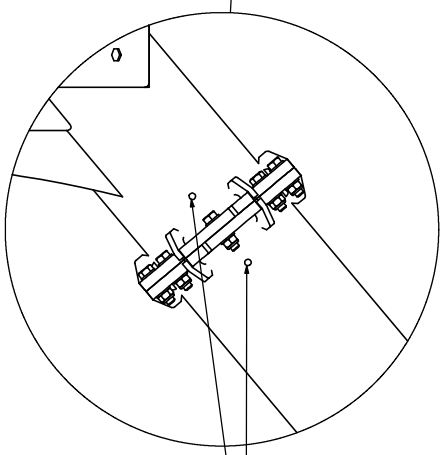


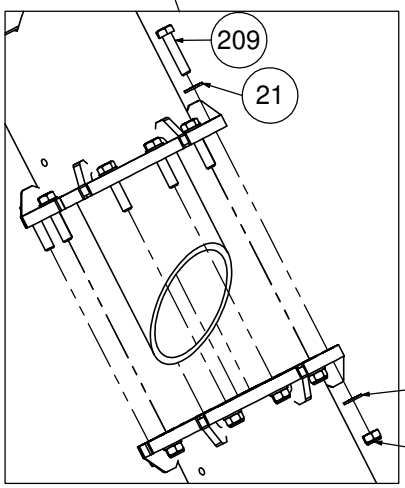
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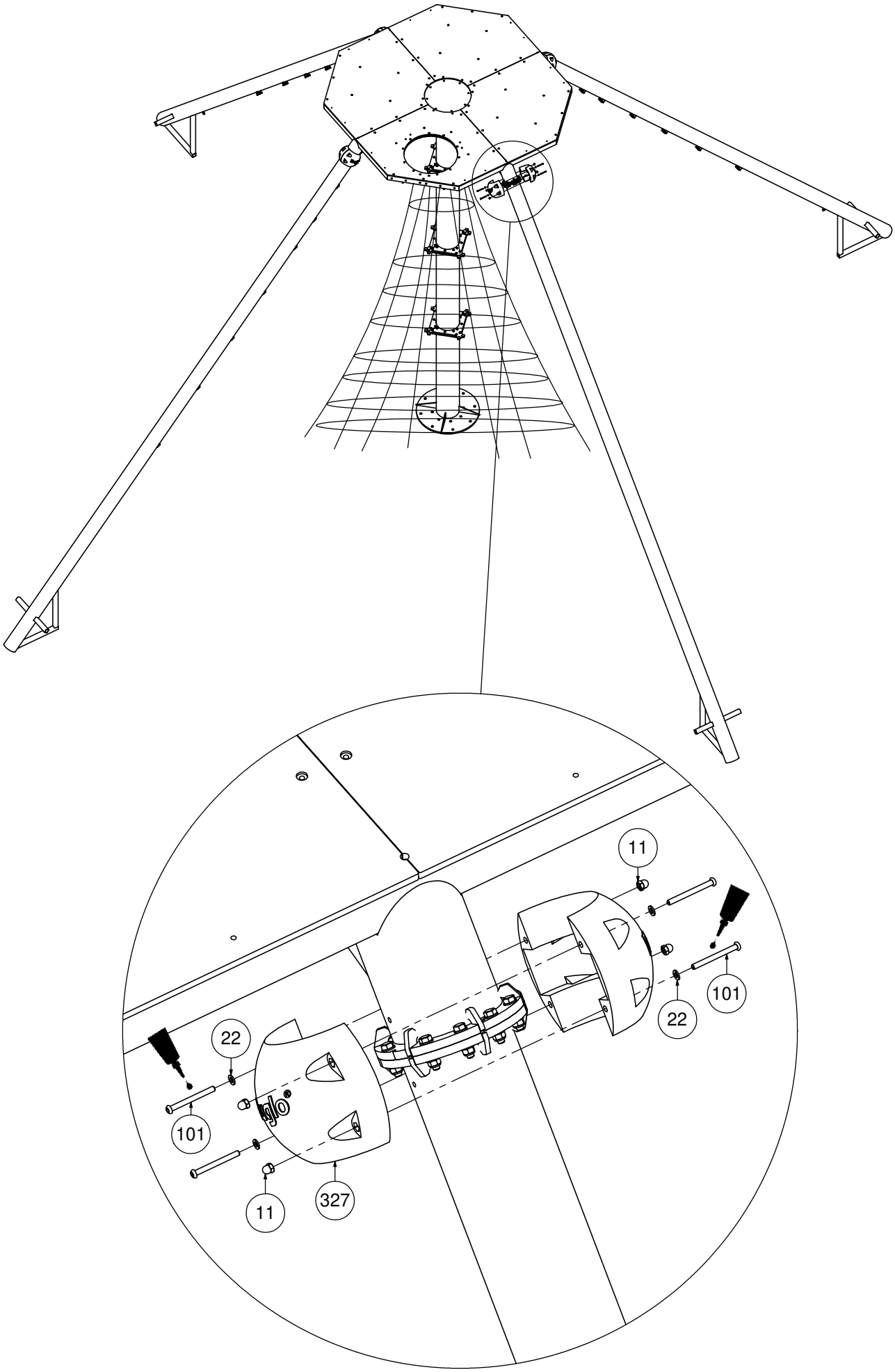




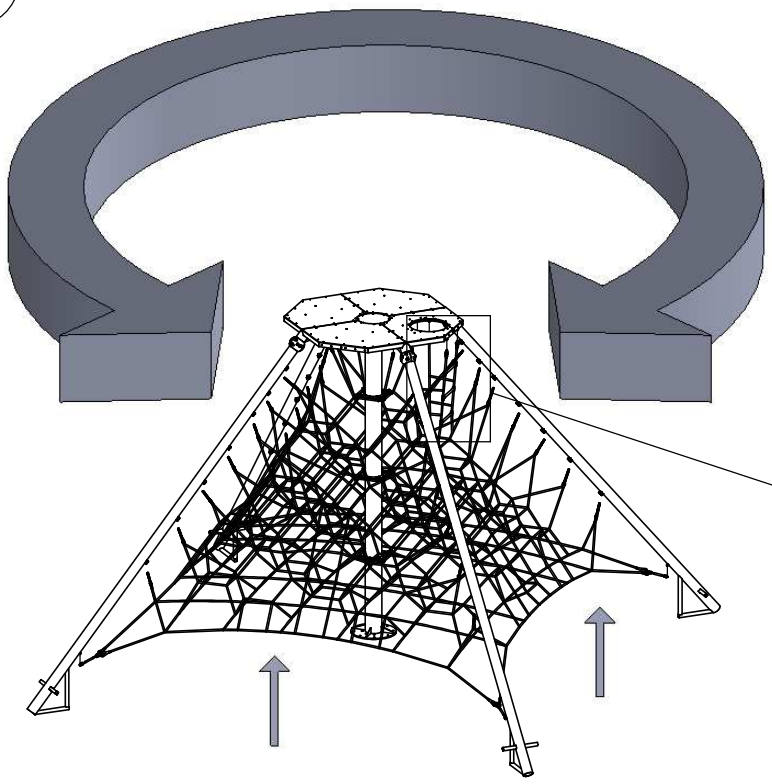


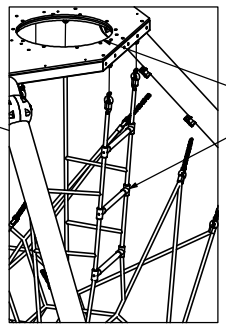


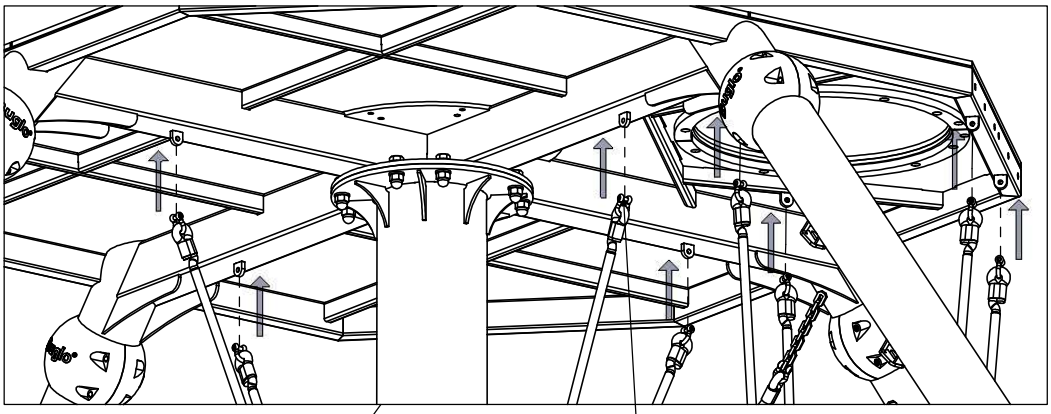
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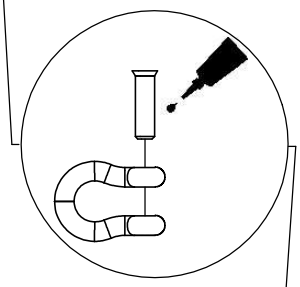


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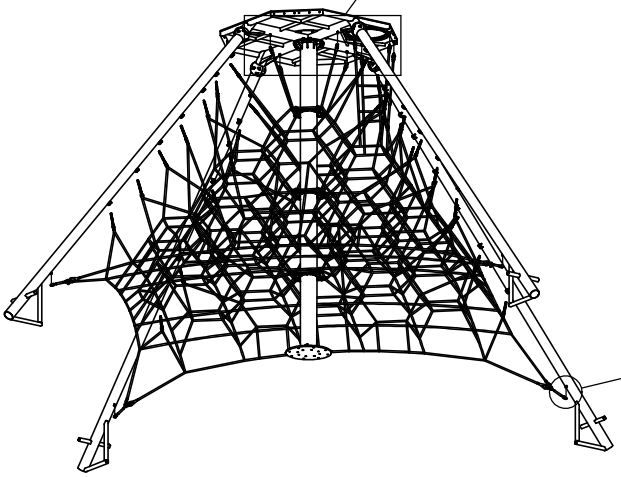


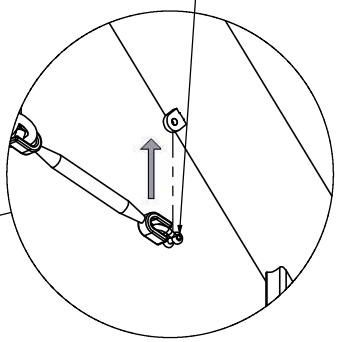




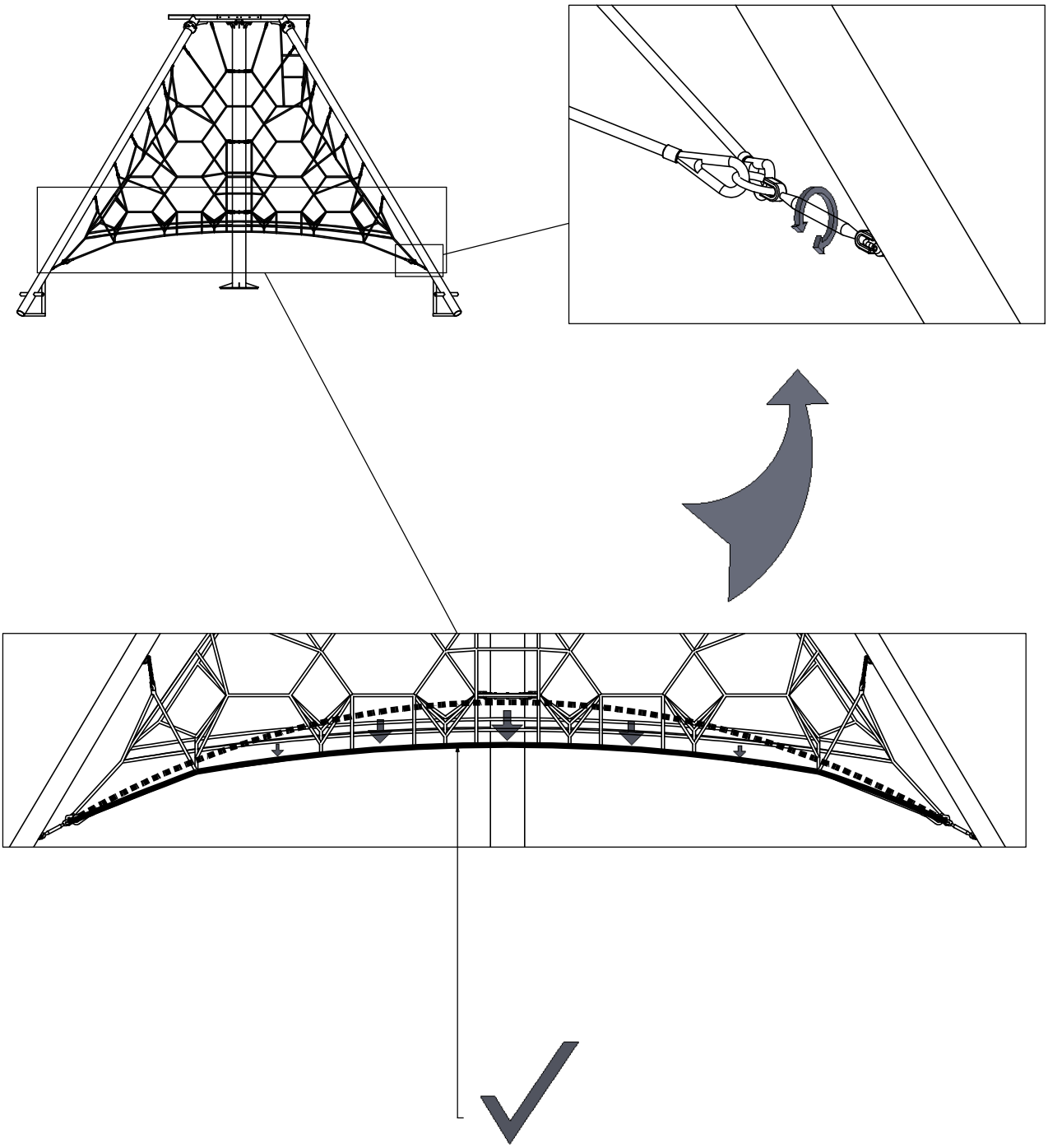


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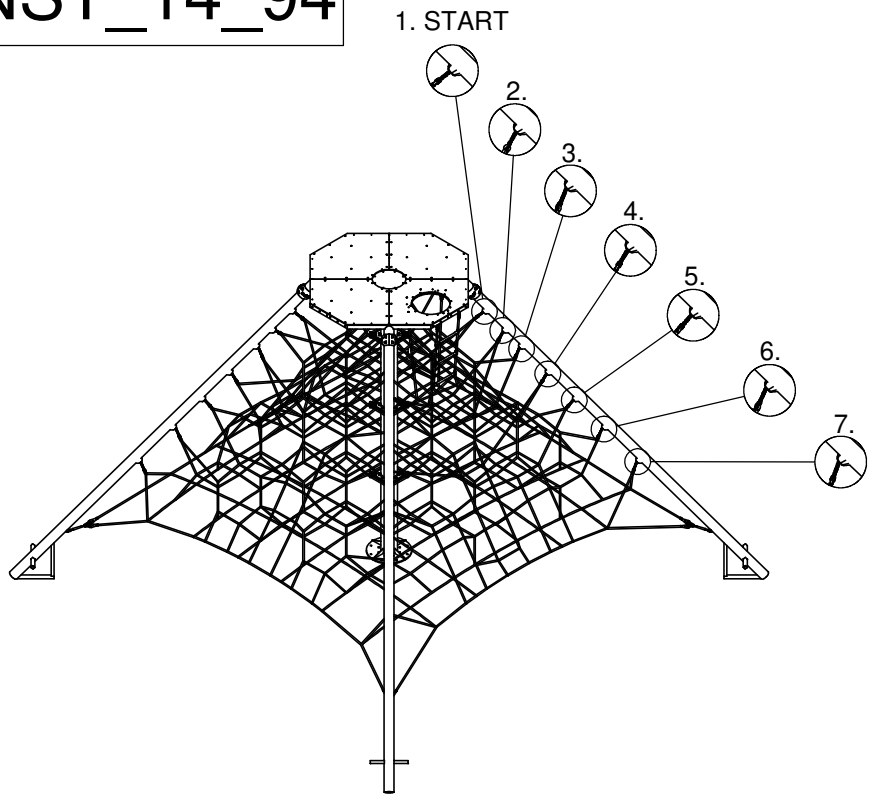


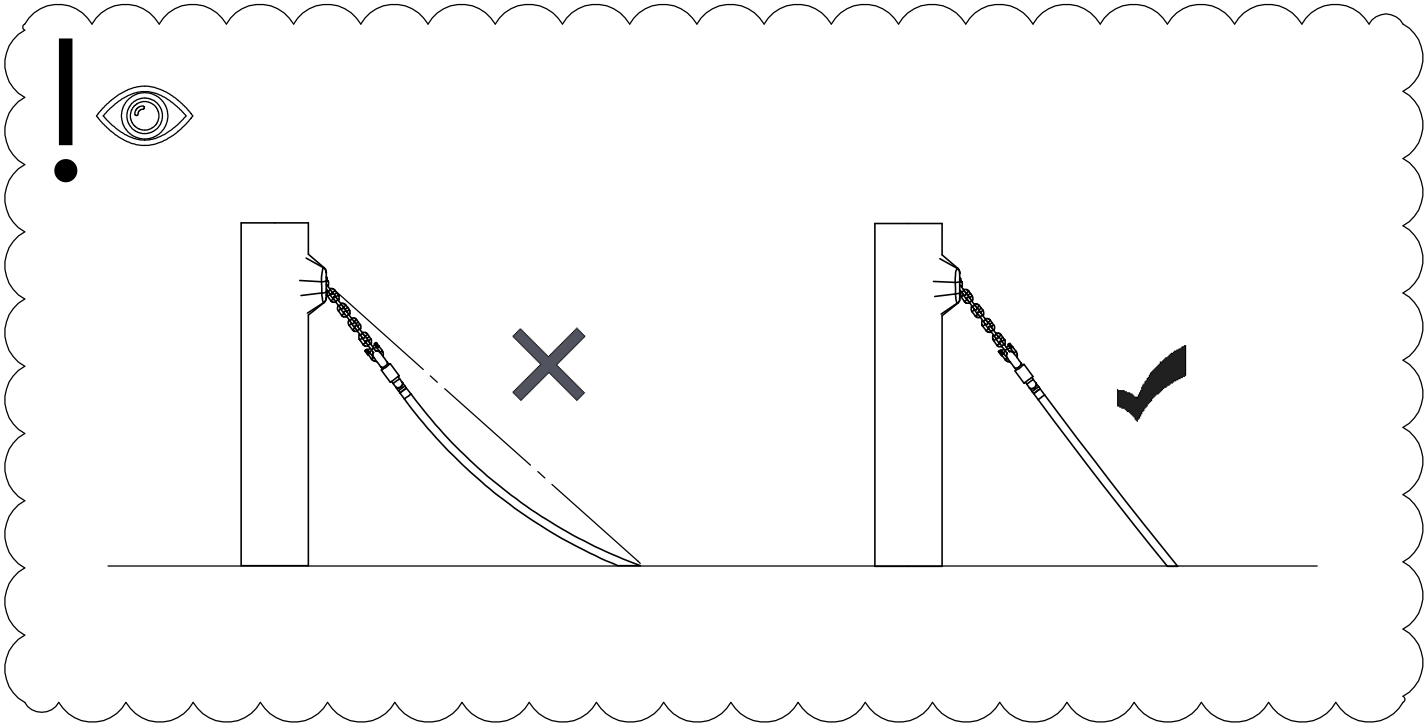


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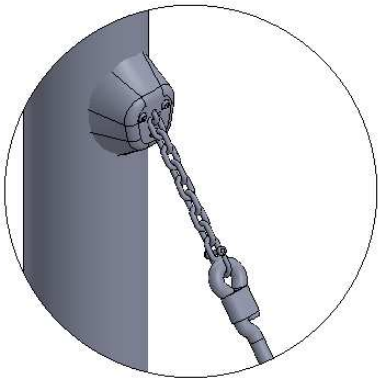


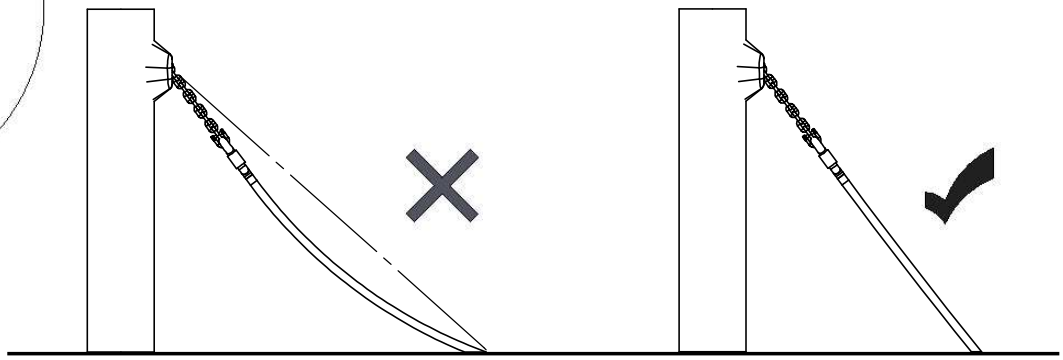
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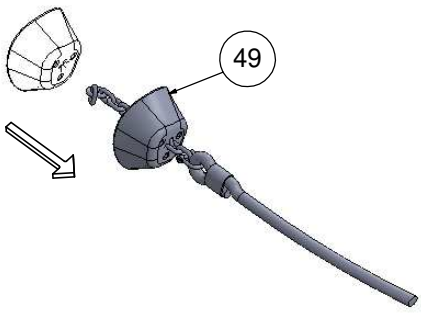


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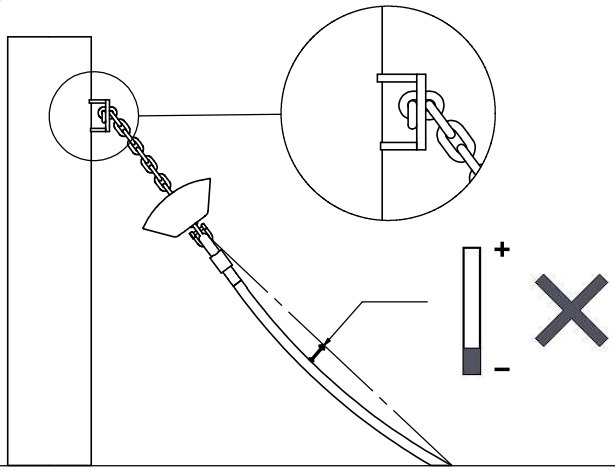




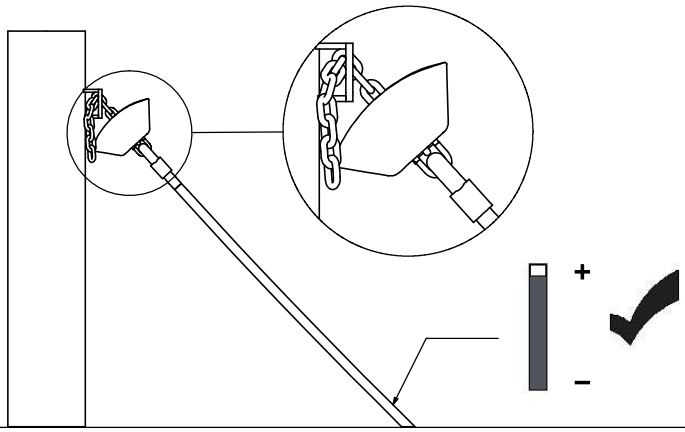
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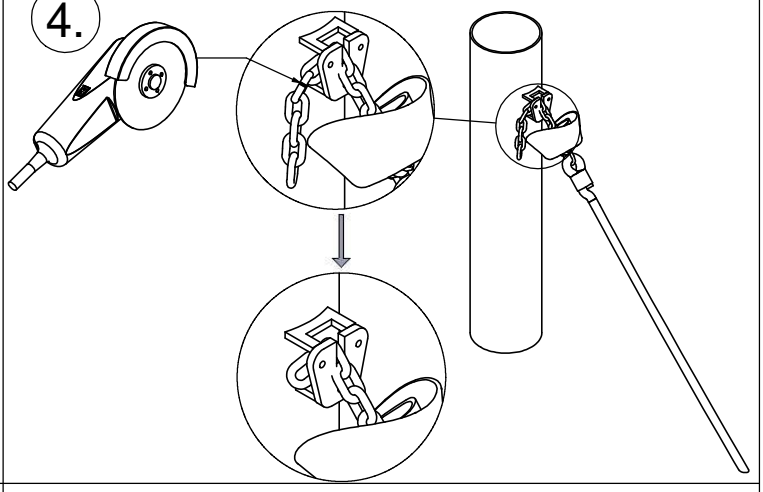
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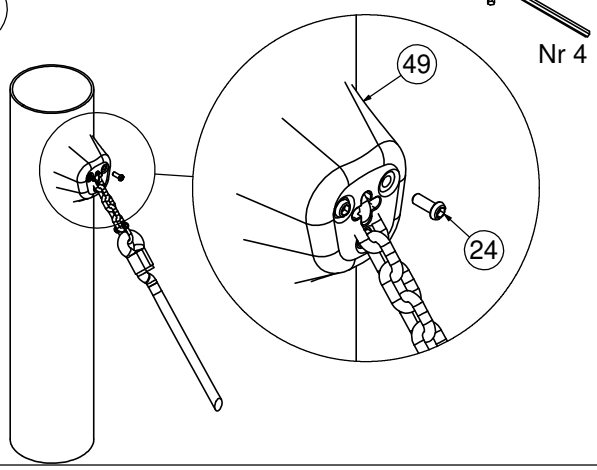
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4.



5.



INST_14_96



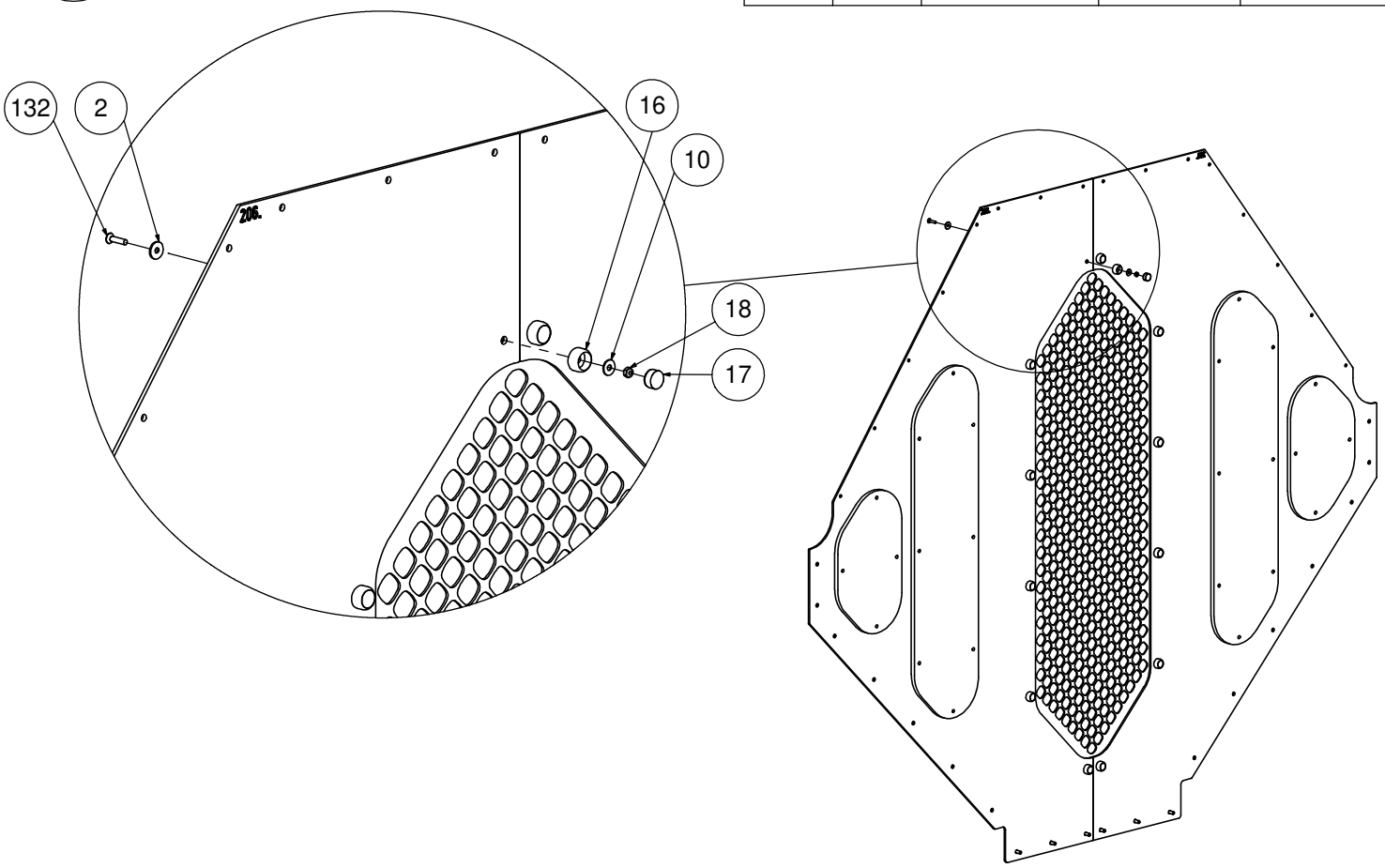
Nr. 4, 5



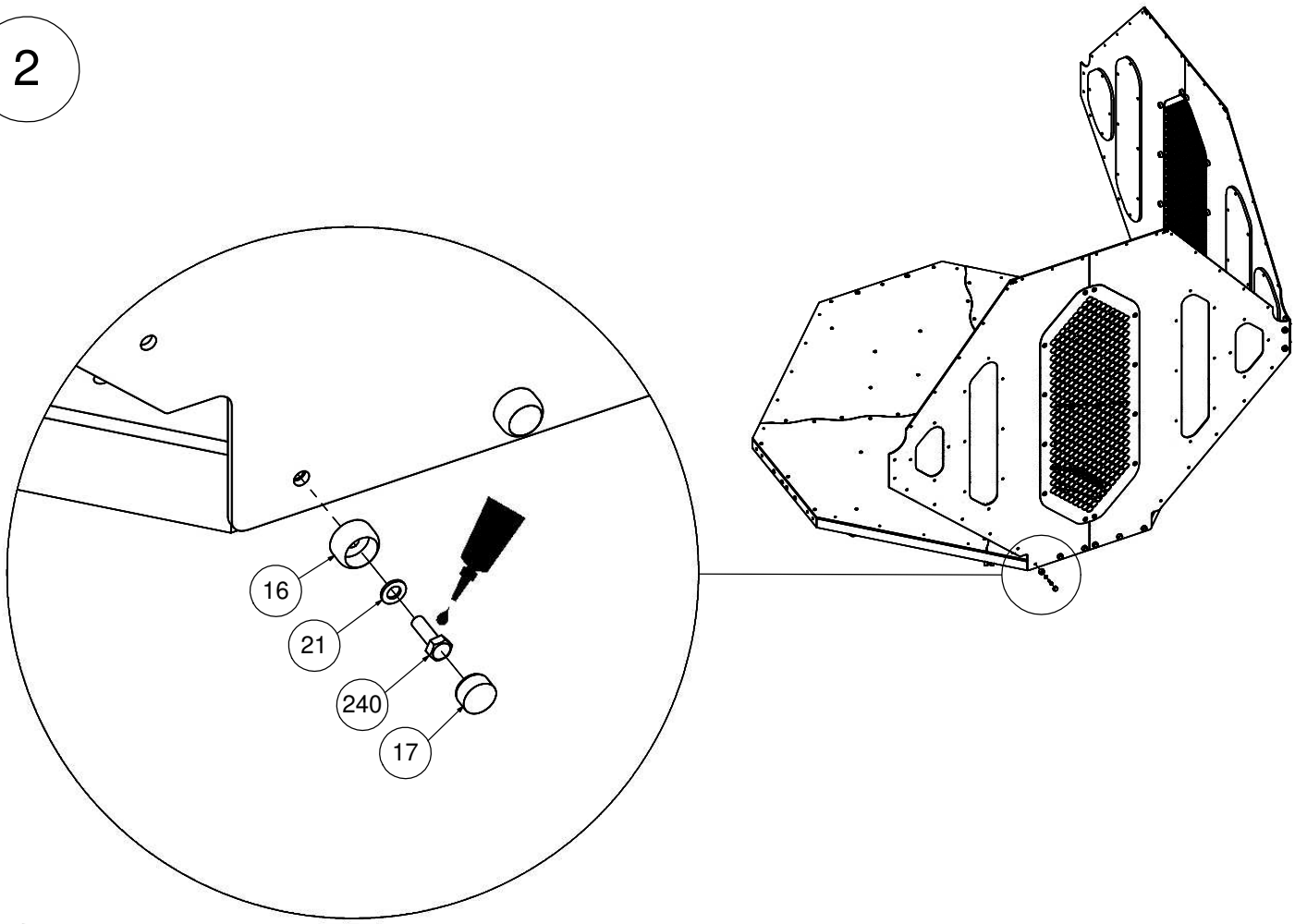
Nr. 10,13

Nr	Σ	Element		
2	12		-	W6x60
10	12		DIN 9021	6x18
16	22		-	K1_d21_B
17	22		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
21	14		DIN 125	8x16
28	4		ISO 7380	M8x25
31	4		DIN 985	M8 (OC)
58	1		-	LOCTITE
132	12		DIN 7991	M6x25
240	6		DIN 933	M8x25 (OC)

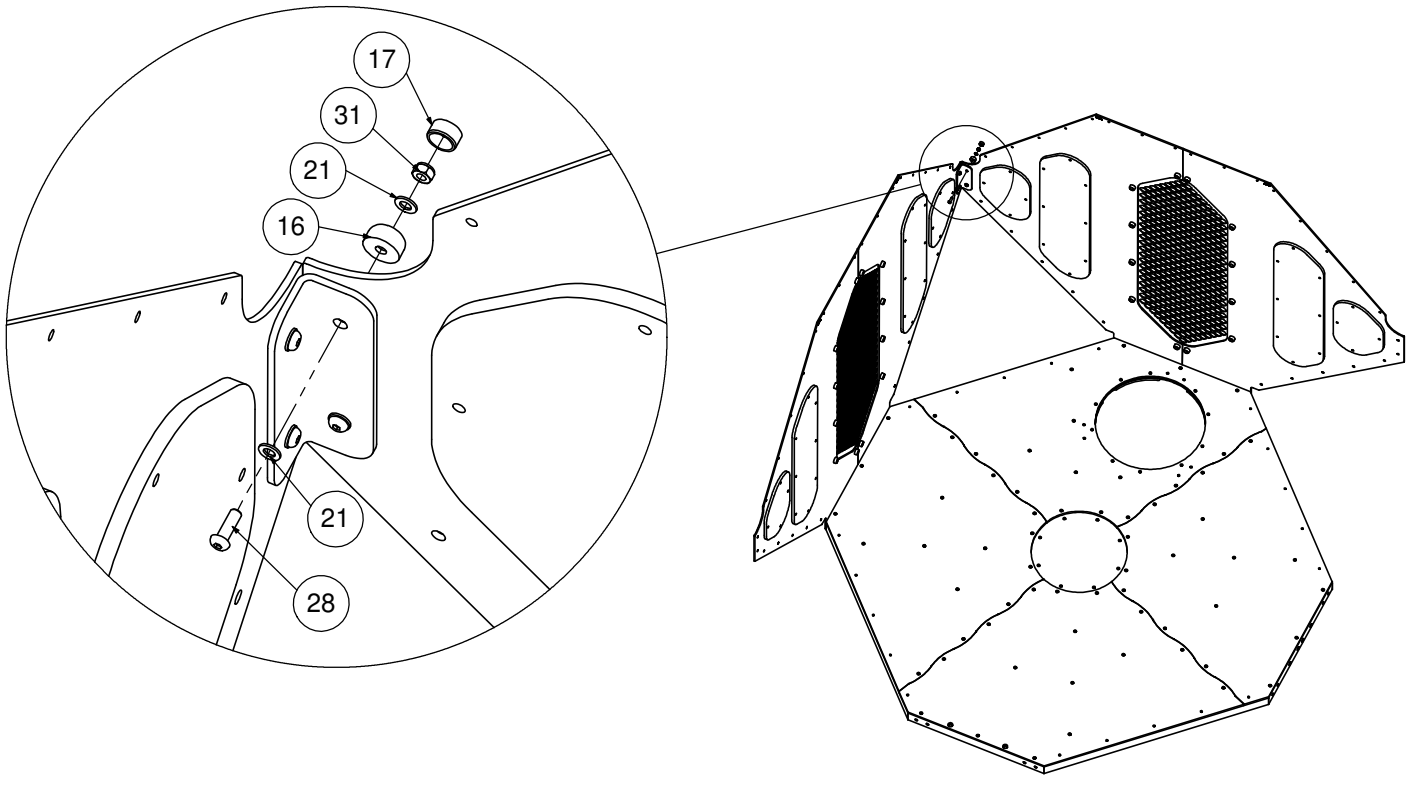
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2



3



INST_14_97



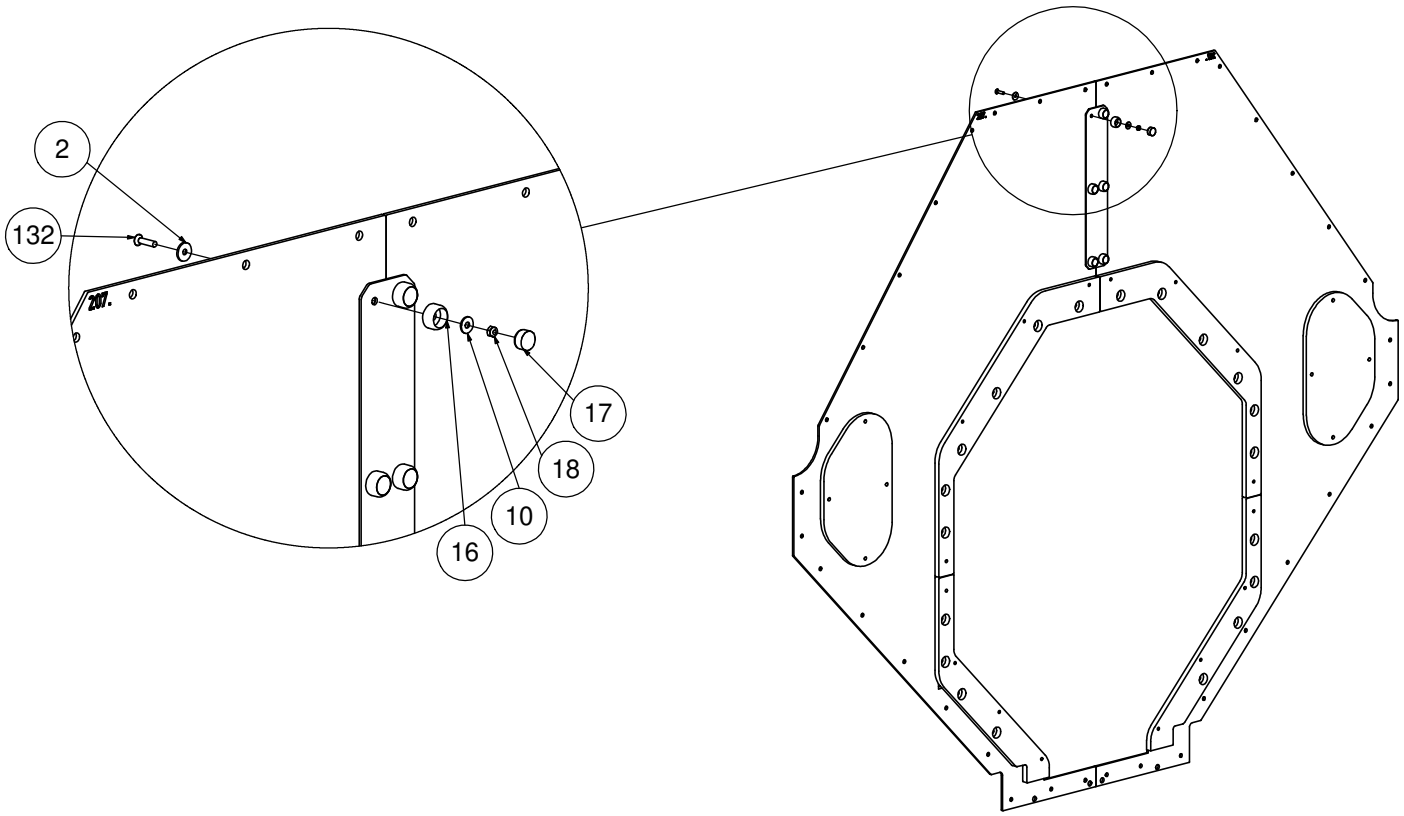
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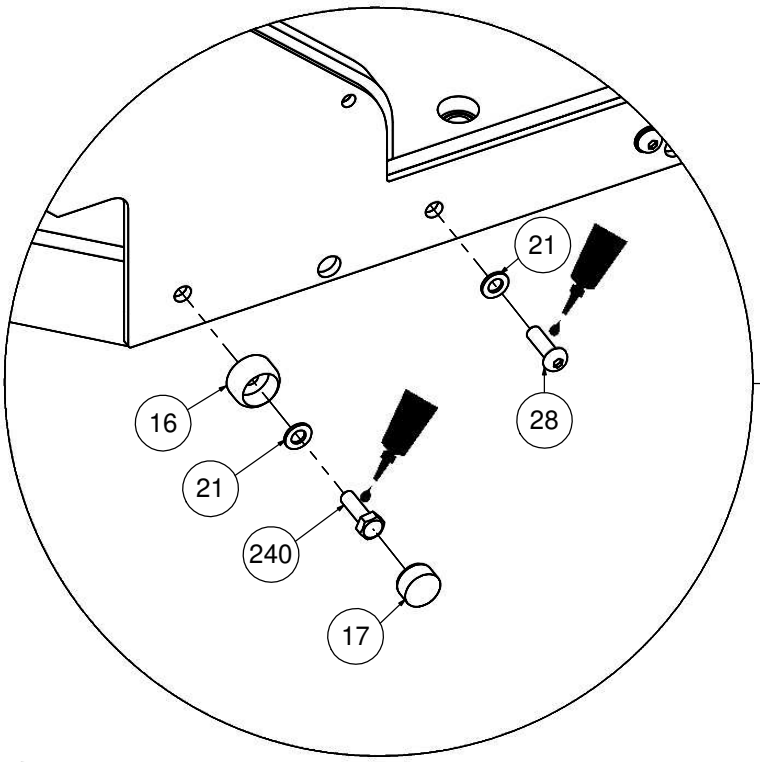
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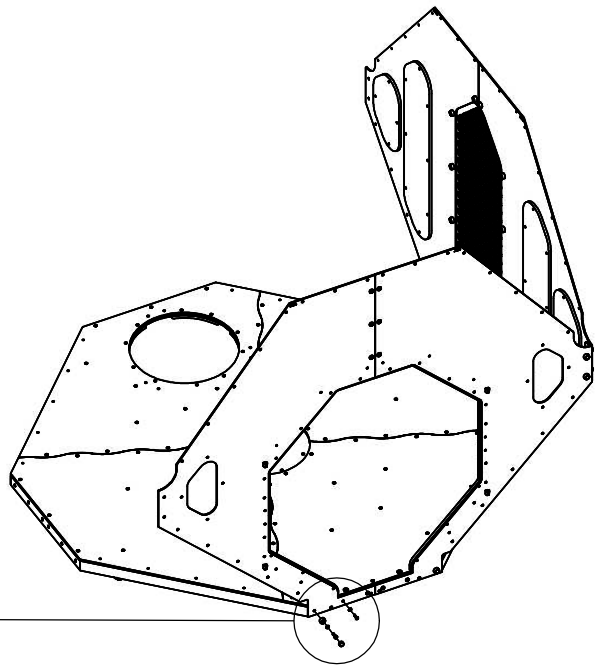
Nr	Σ	Element		
2	6		-	W6x60
10	6		DIN 9021	6x18
16	12		-	K1_d21_B
17	12		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
21	14		DIN 125	8x16
28	8		ISO 7380	M8x25
31	4		DIN 985	M8 (OC)
58	1		-	LOCTITE
132	6		DIN 7991	M6x25
240	2		DIN 933	M8x25 (OC)

1

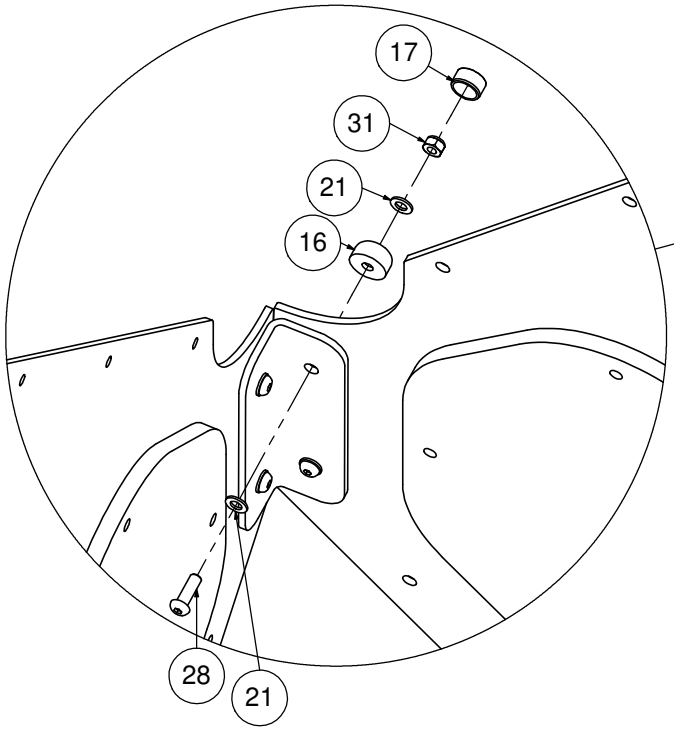


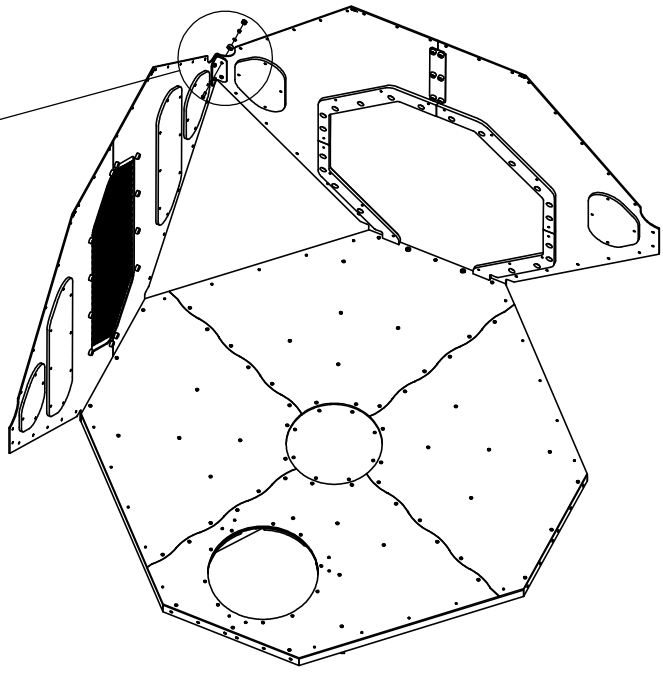
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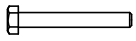
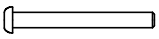
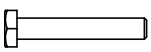


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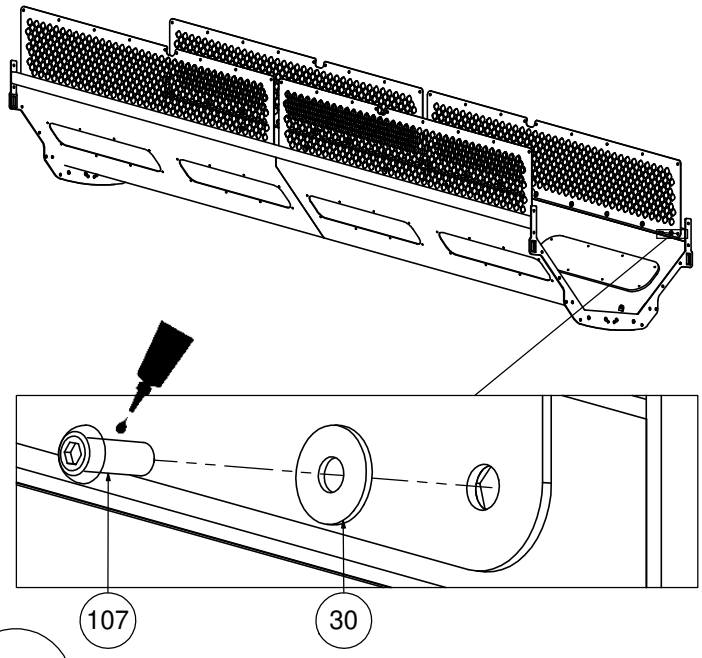




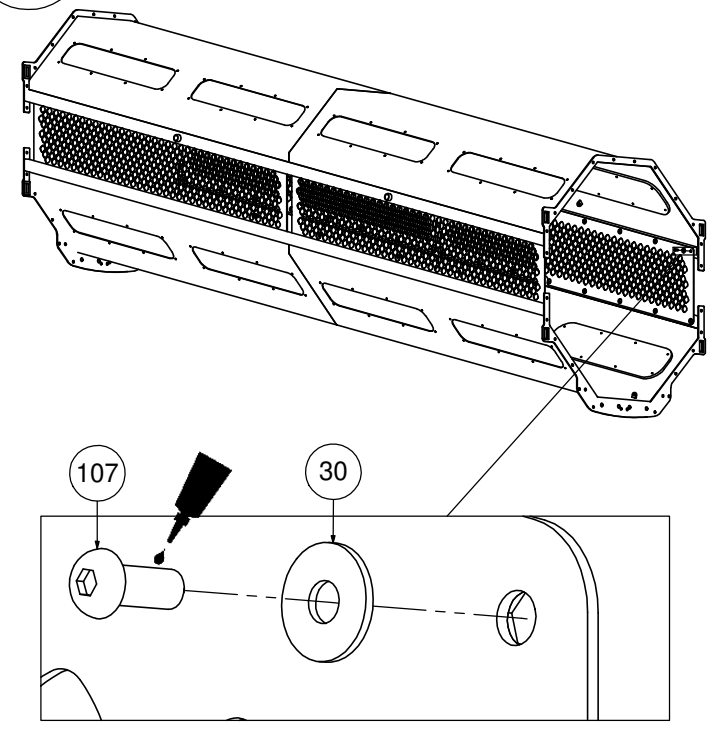
INST_14_98

Nr	Σ	Element		
3	8		-	K2_d30_B
5	4		DIN 985	M10
6	8		-	Z2_d30_B
9	40		ISO 7380	M6x25
10	80		DIN 9021	6x18
16	48		-	K1_d21_B
17	48		-	Z1_d21_B
18	40		DIN 985	M6 (OC)
21	18		DIN 125	8x16
30	72		DIN 9021	8x24
31	12		DIN 985	M8 (OC)
32	4		DIN 931	M8x60
41	4		ISO 7380	M8x75
43	2		DIN 1587	M8
45	4		ISO 7380	M8x30
58	1		-	LOCTITE
74	1		DIN 985	M12 (OC)
103	8		DIN 9021	10x30
107	64		ISO 7380	M8x20
215	2		DIN 7991	M8x30
466	4		DIN 933	M10x60

1

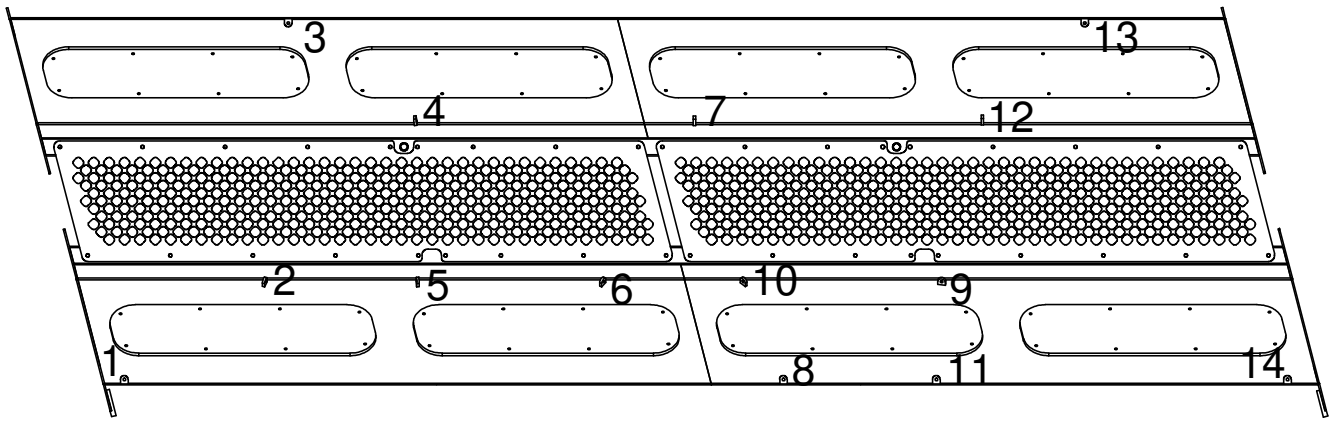


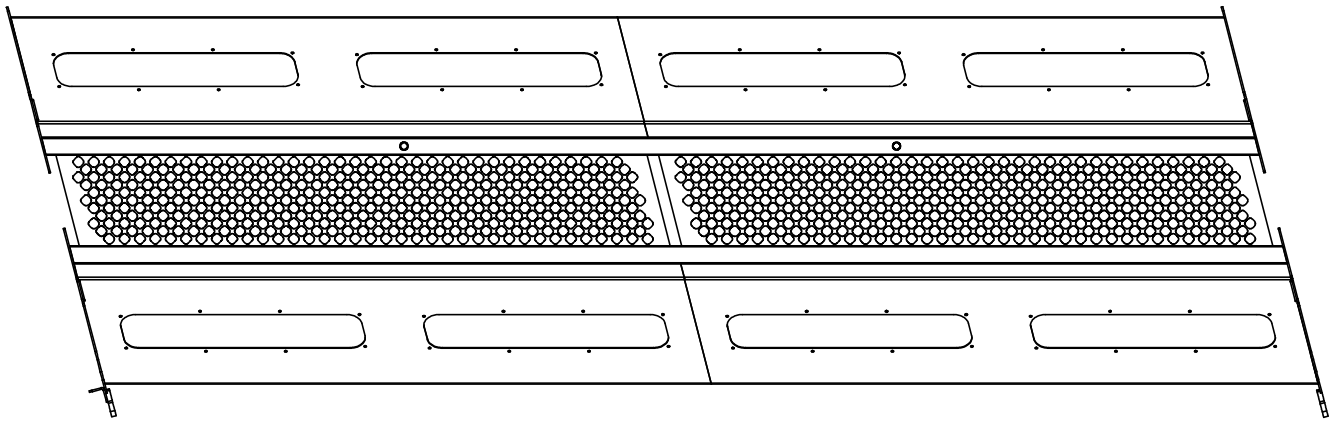
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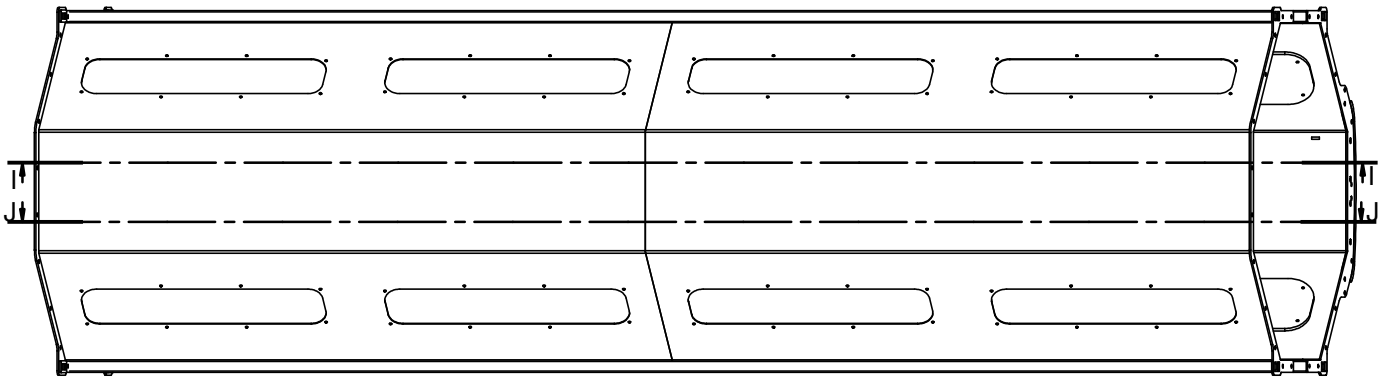


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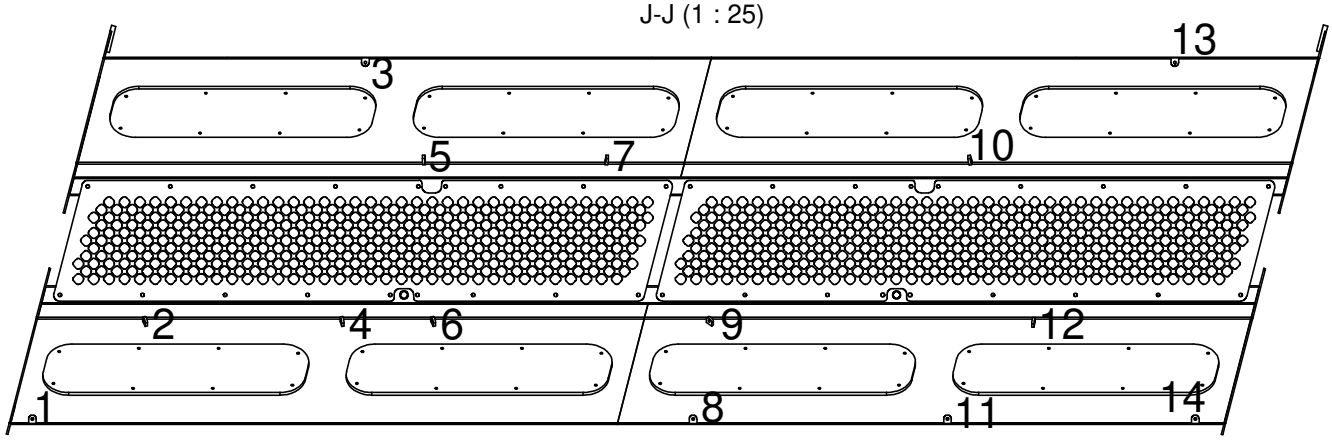
I-I (1 : 25)



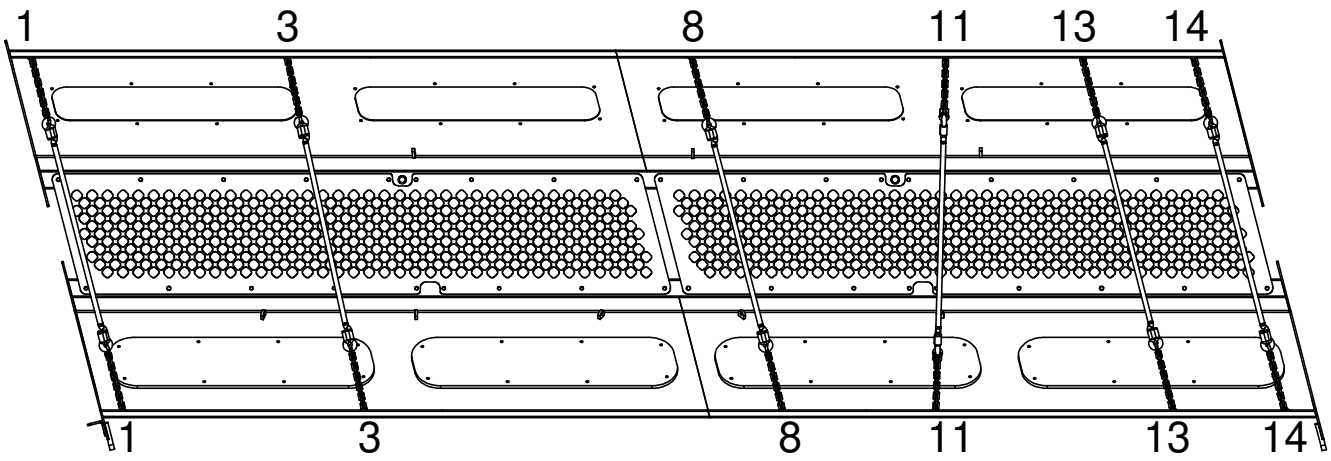


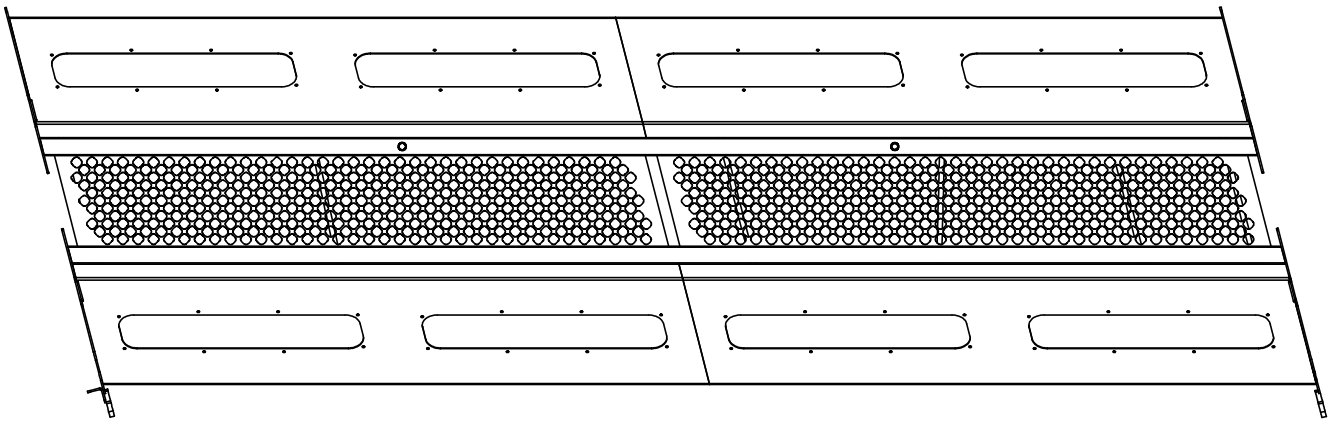


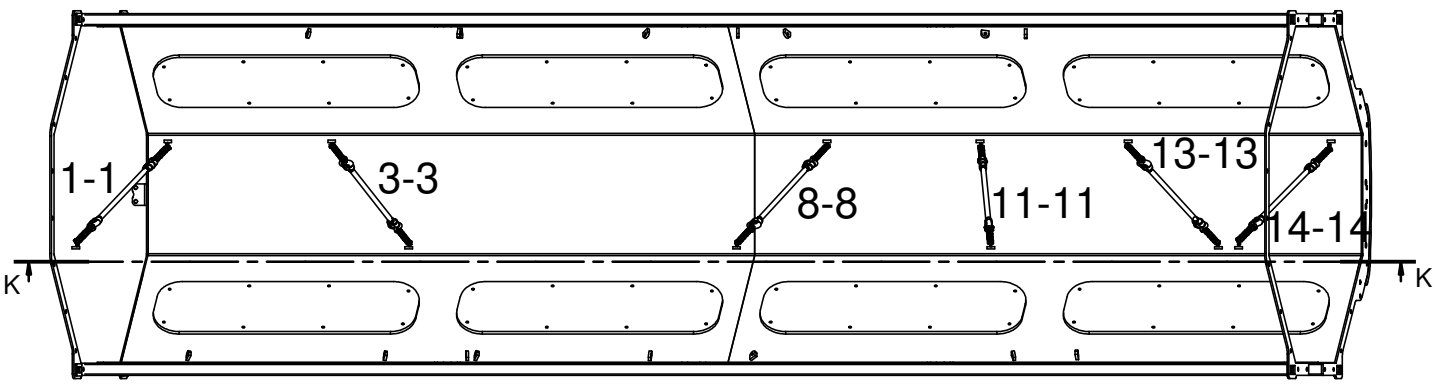
J-J (1 : 25)

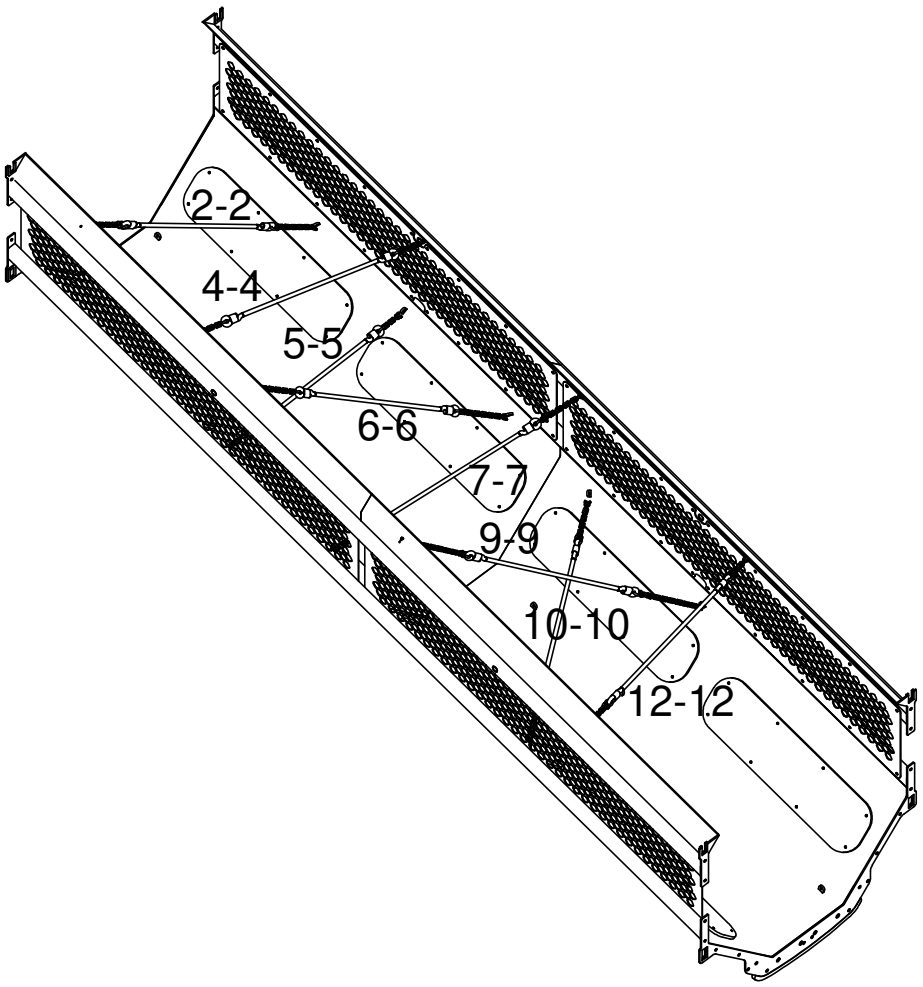


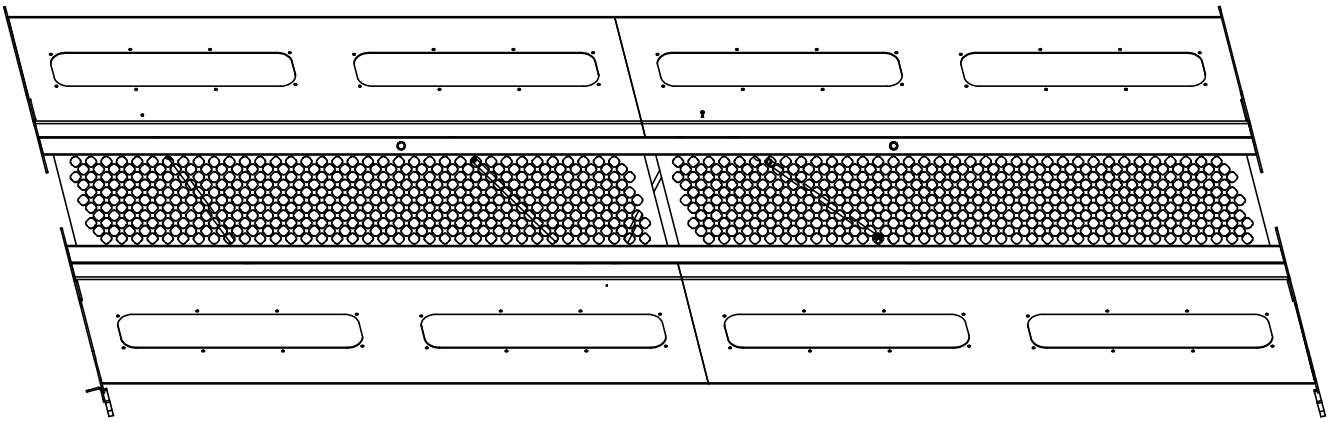
K-K (1 : 25)

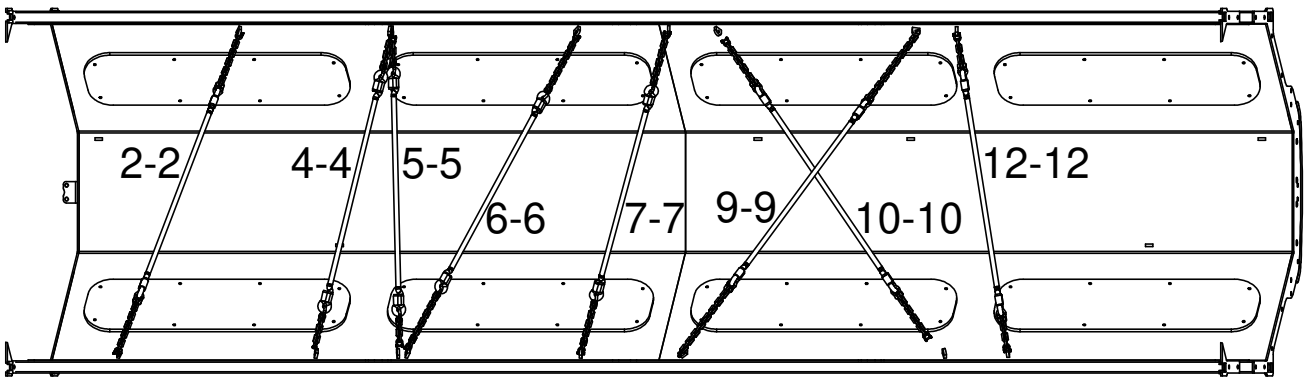




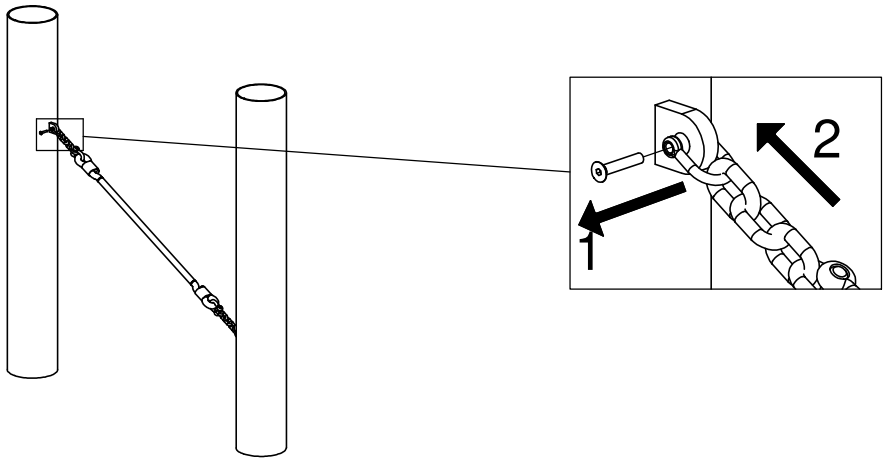



2-2
4-4
5-5
6-6
7-7
9-9
10-10
12-12

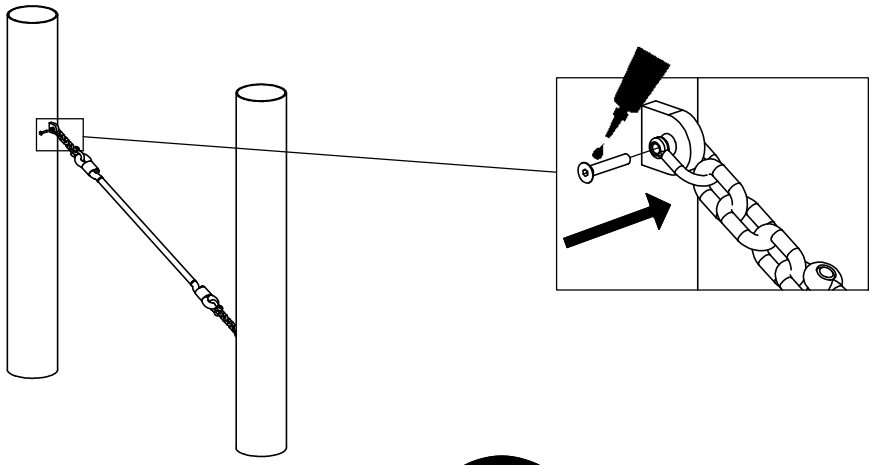



2-2
4-4
5-5
6-6
7-7
9-9
10-10
12-12

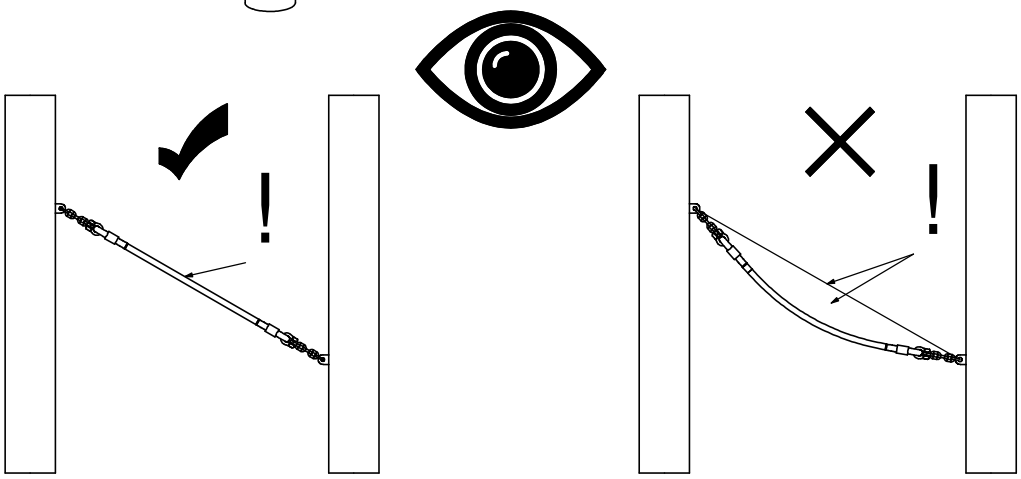
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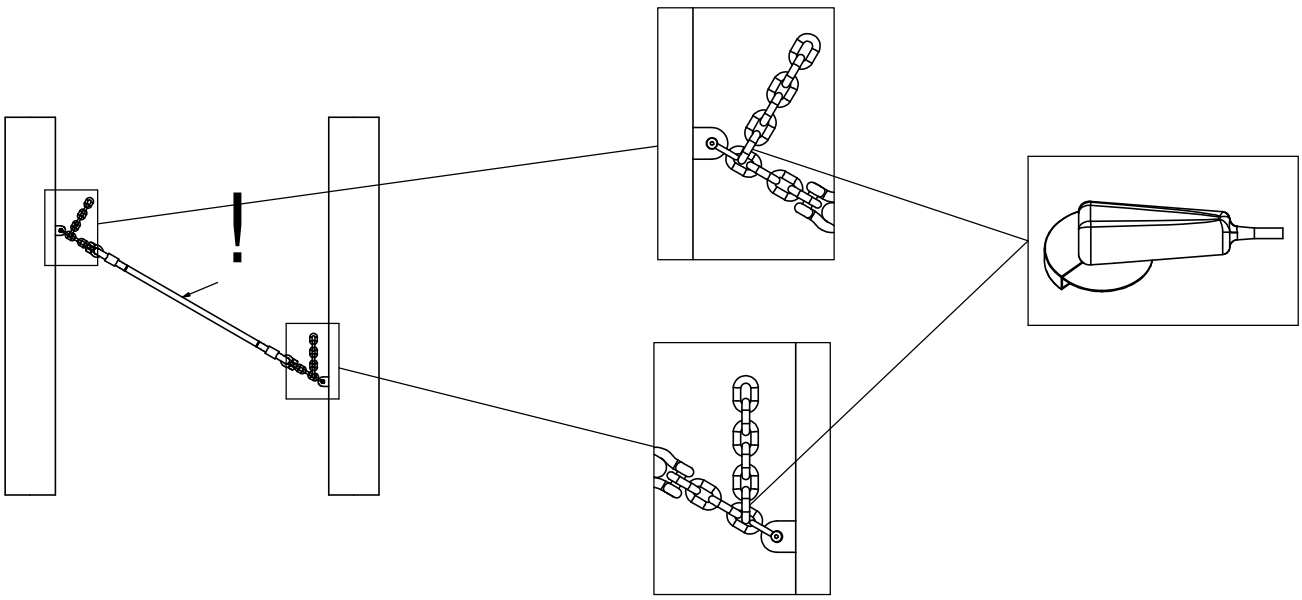
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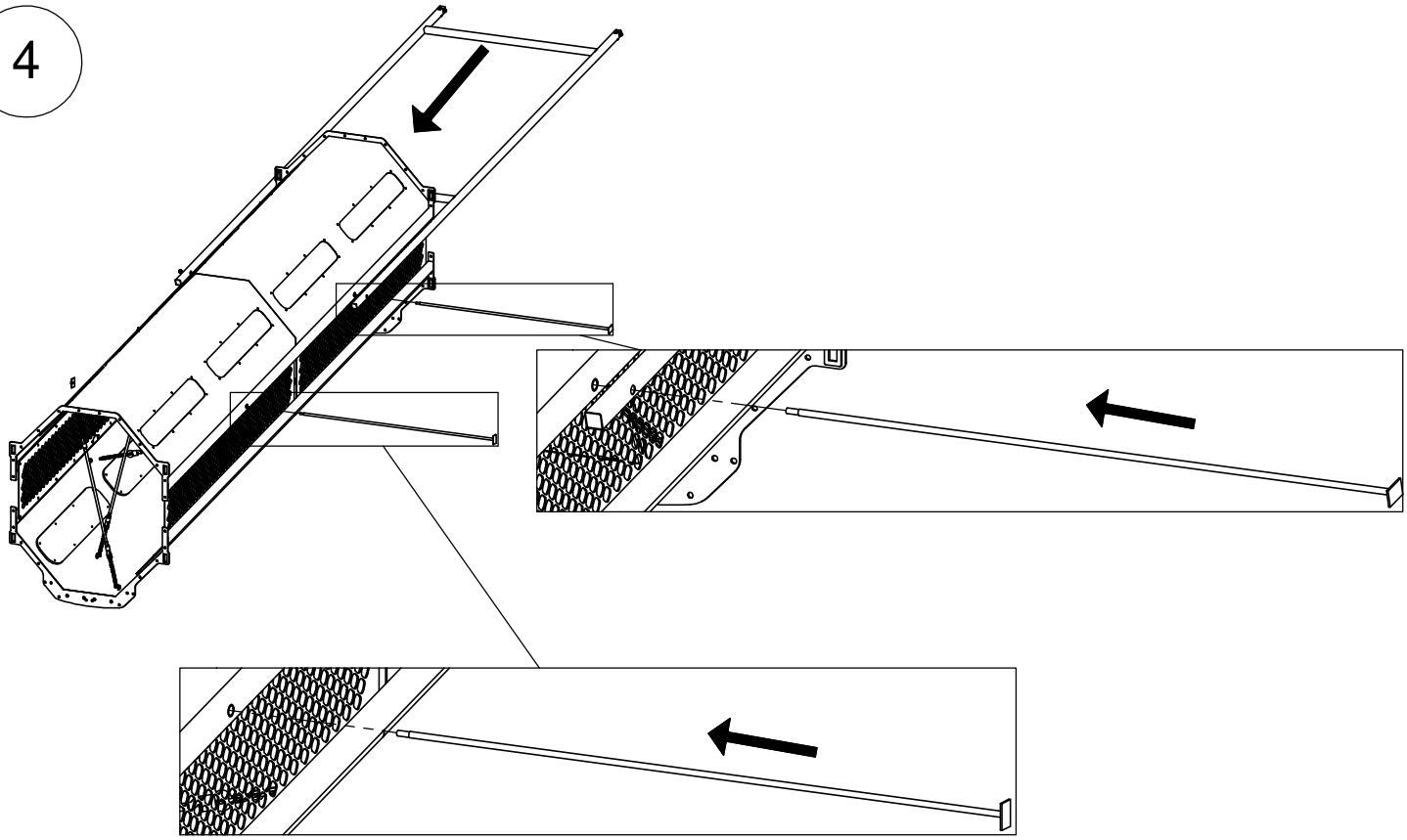
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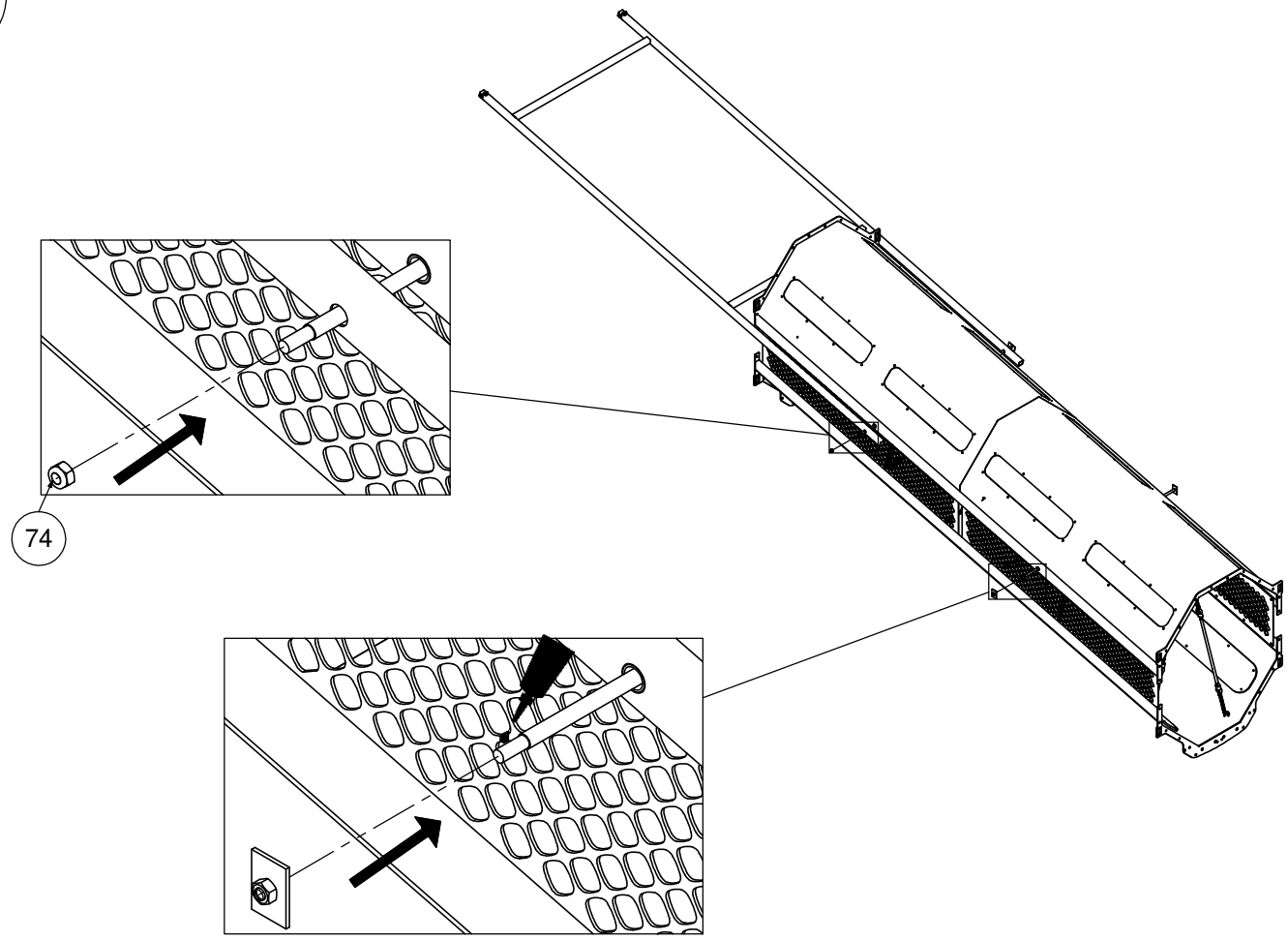
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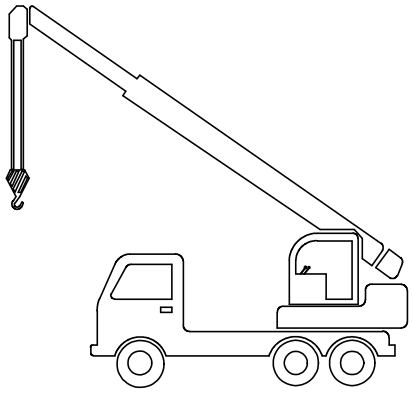
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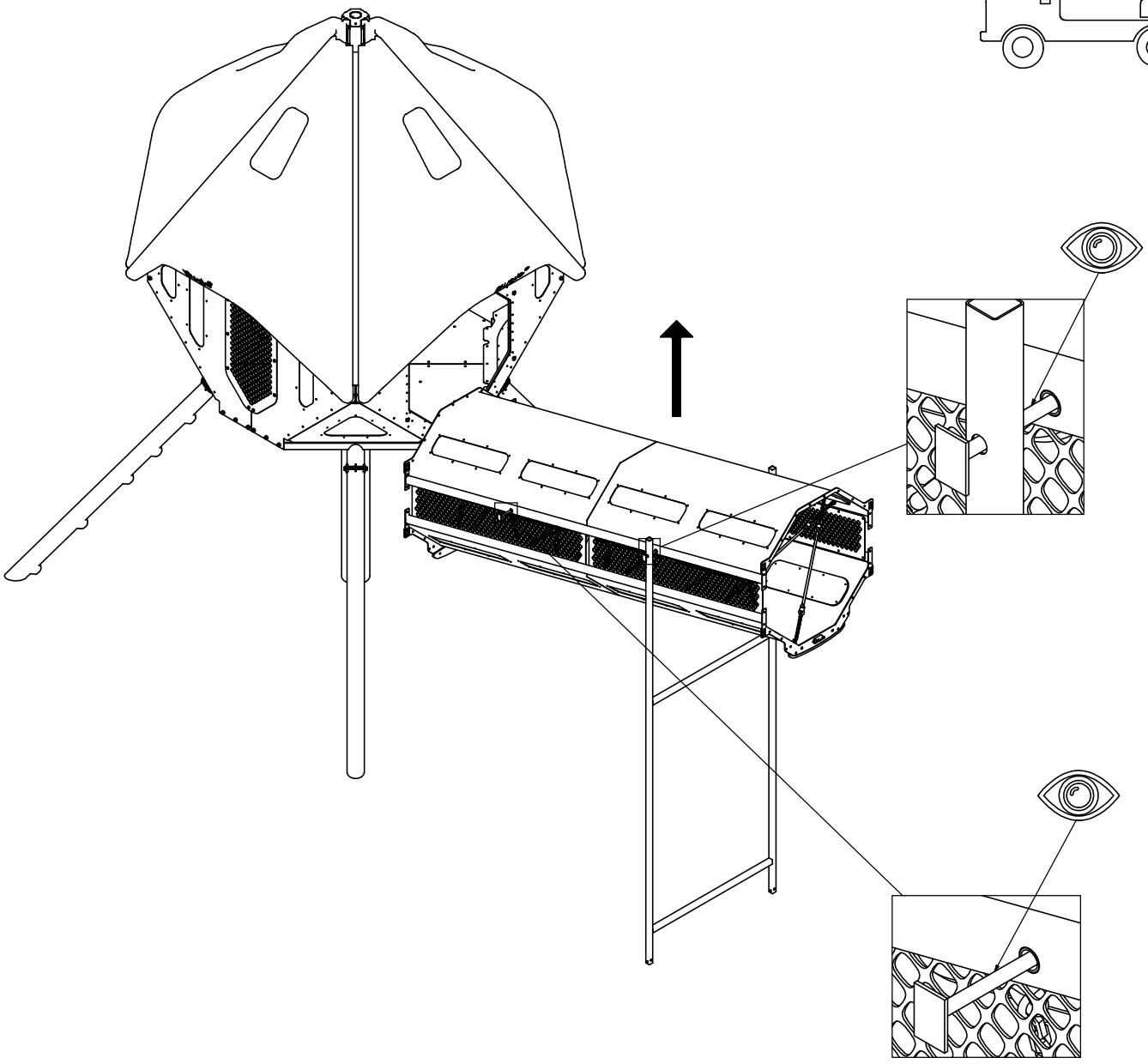


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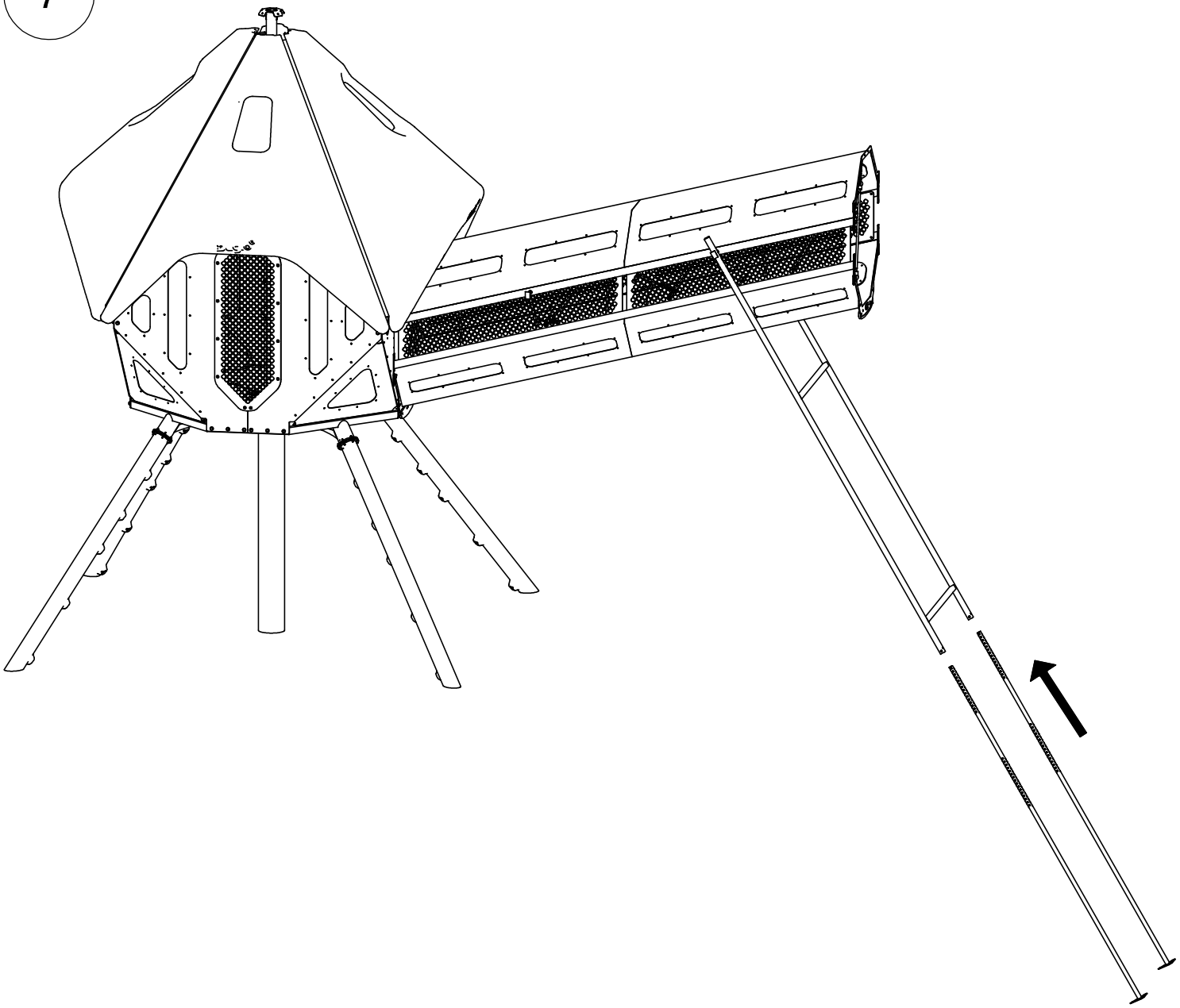


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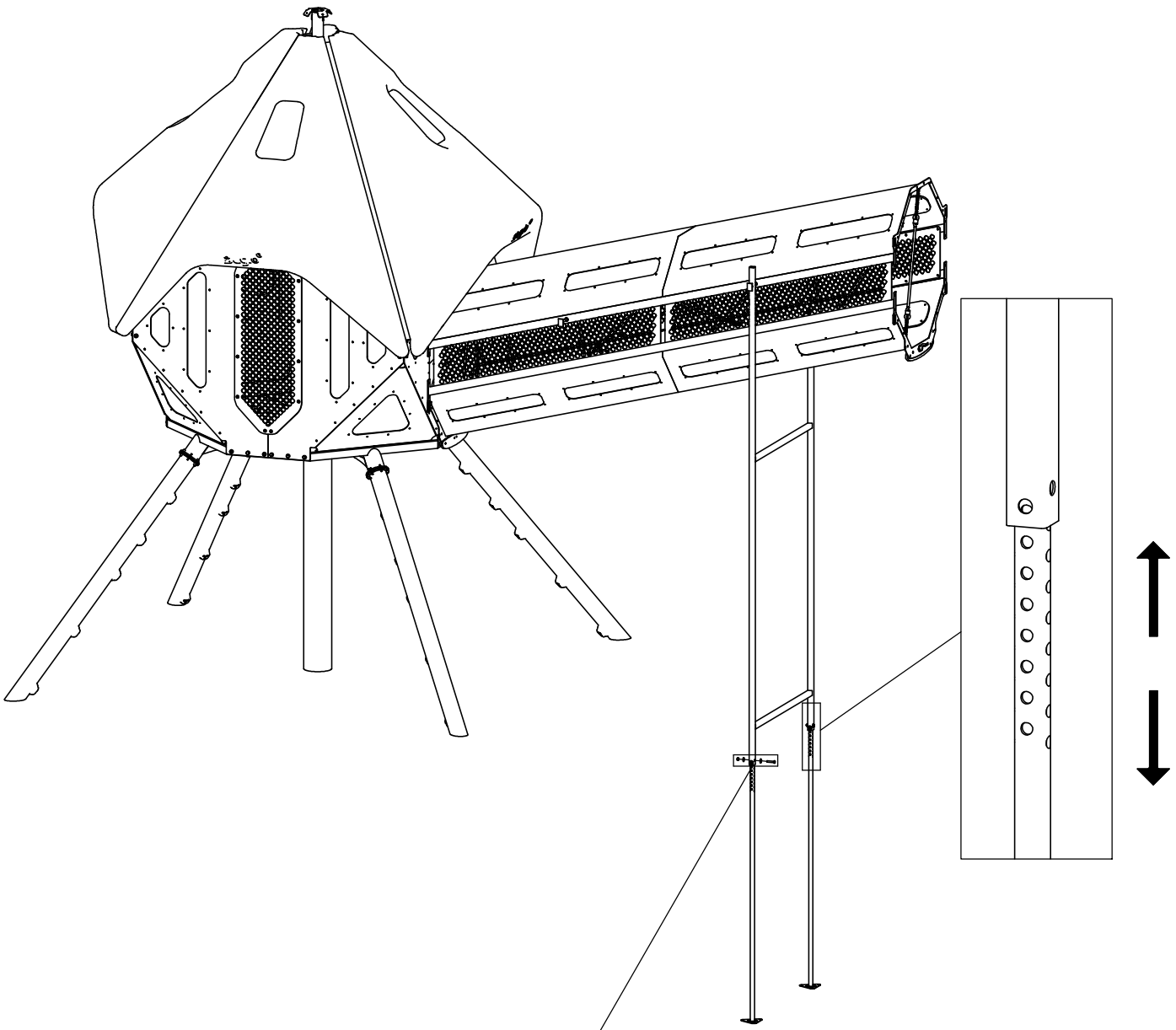


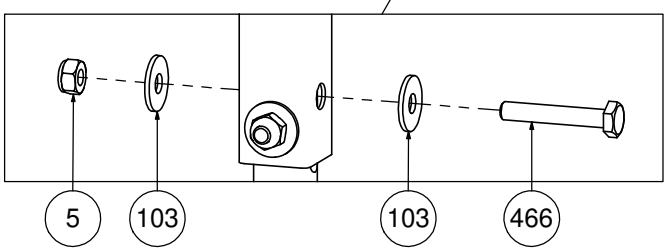


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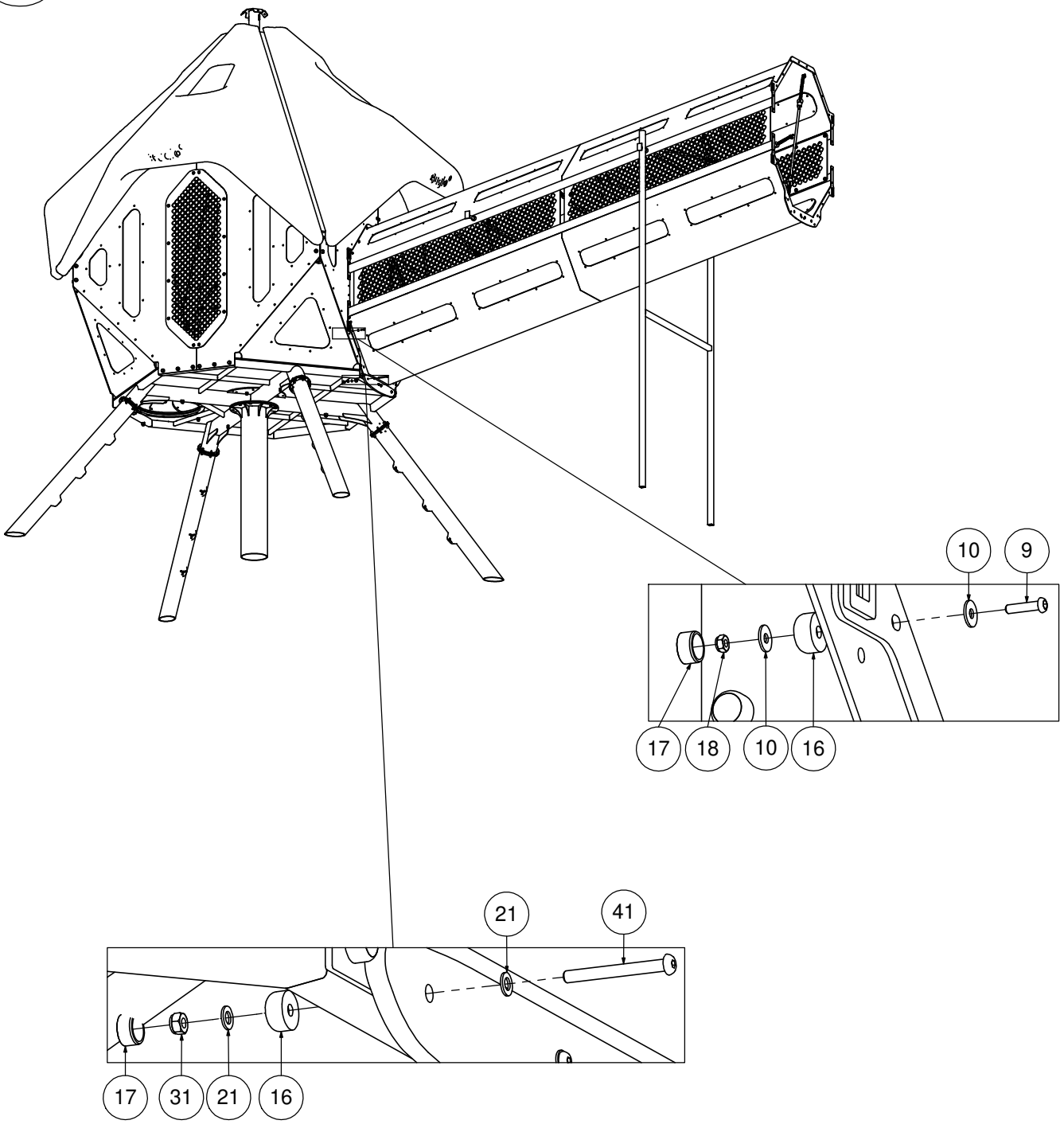


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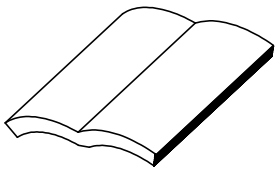




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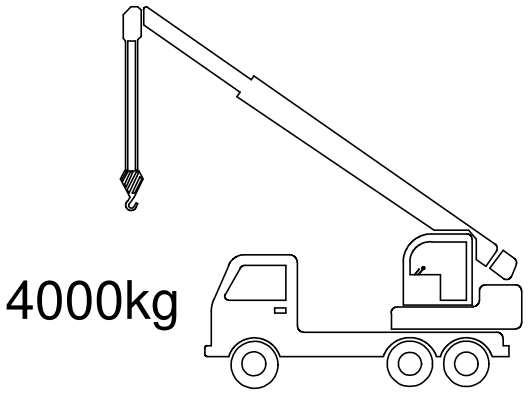


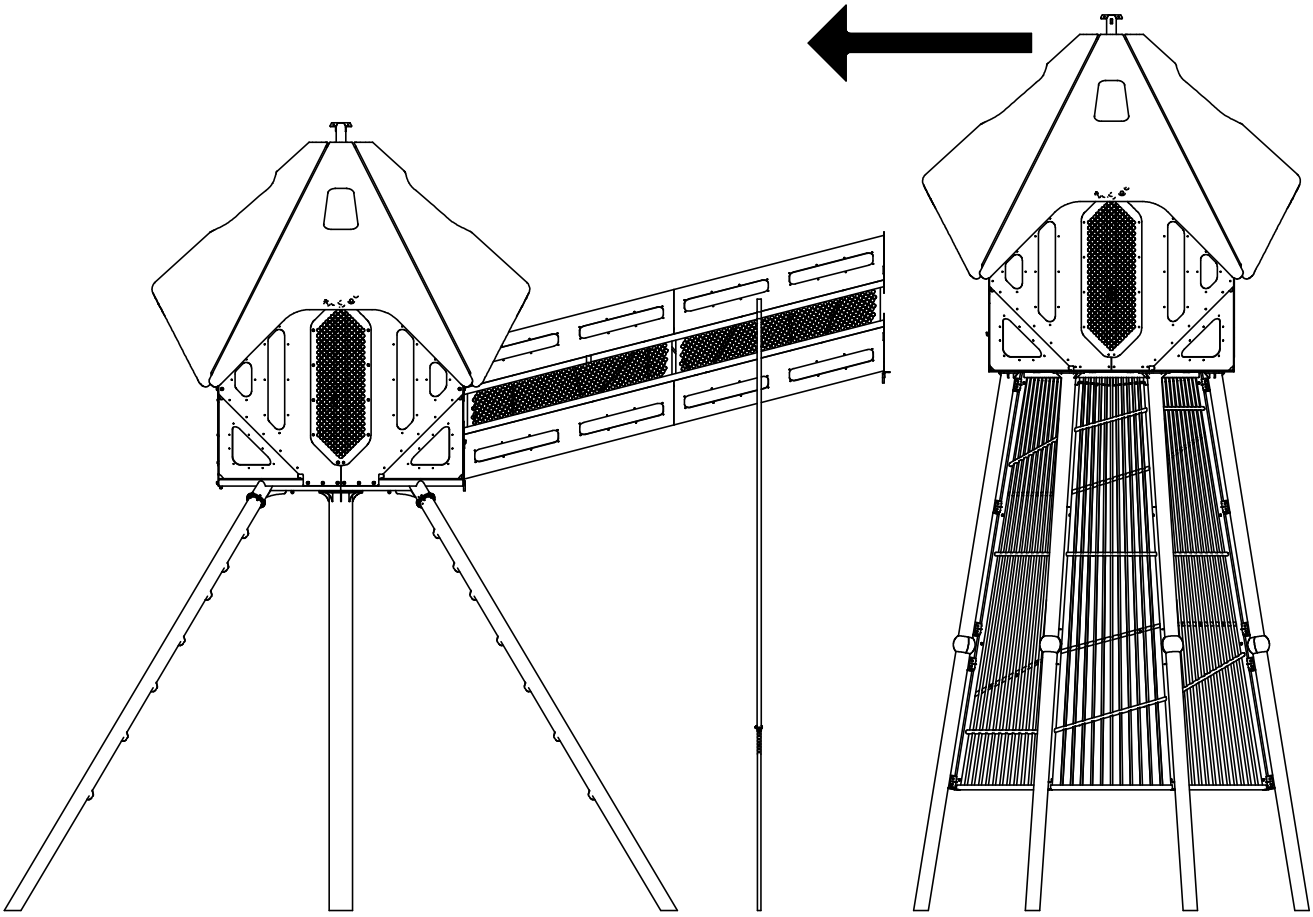
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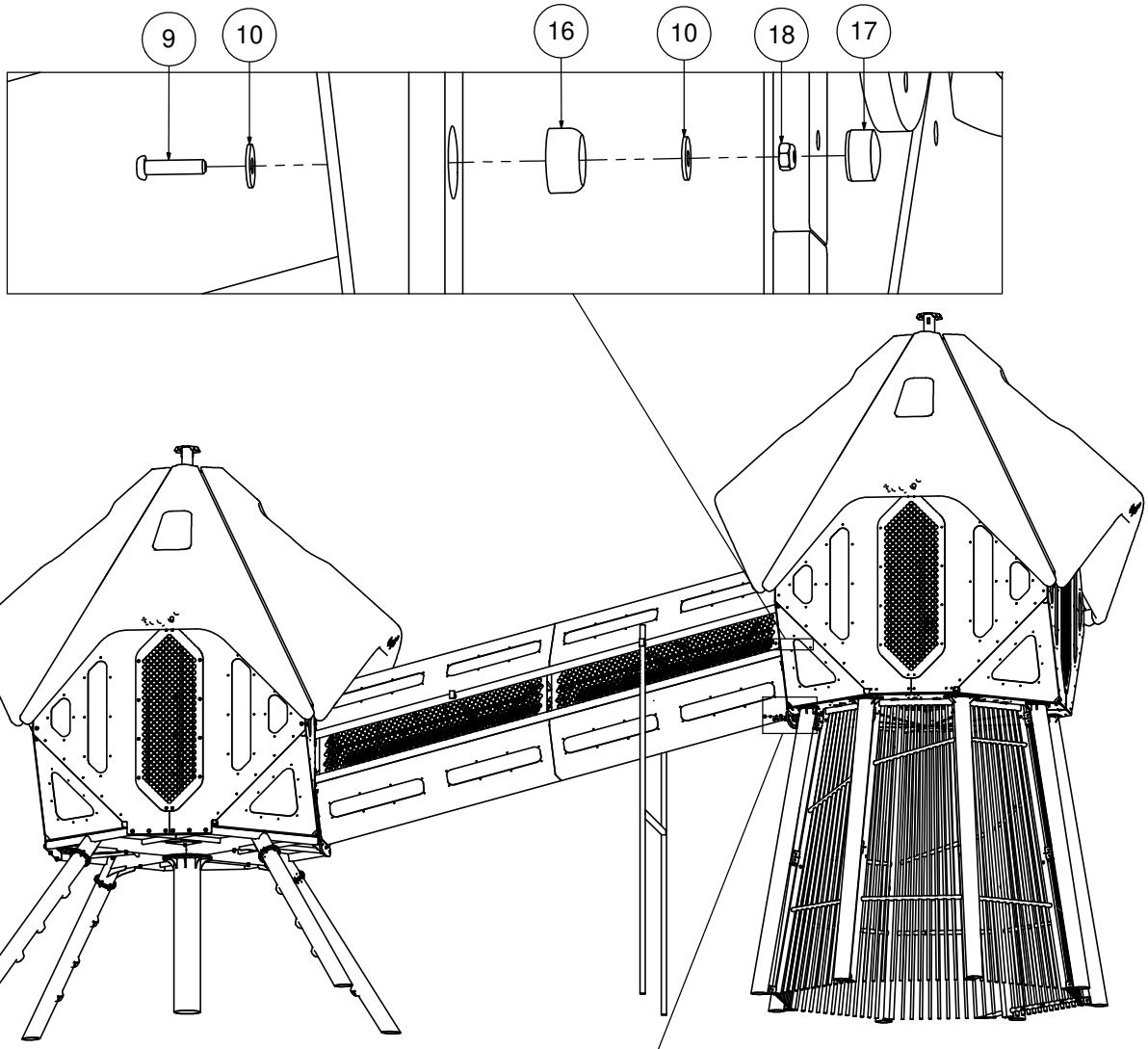
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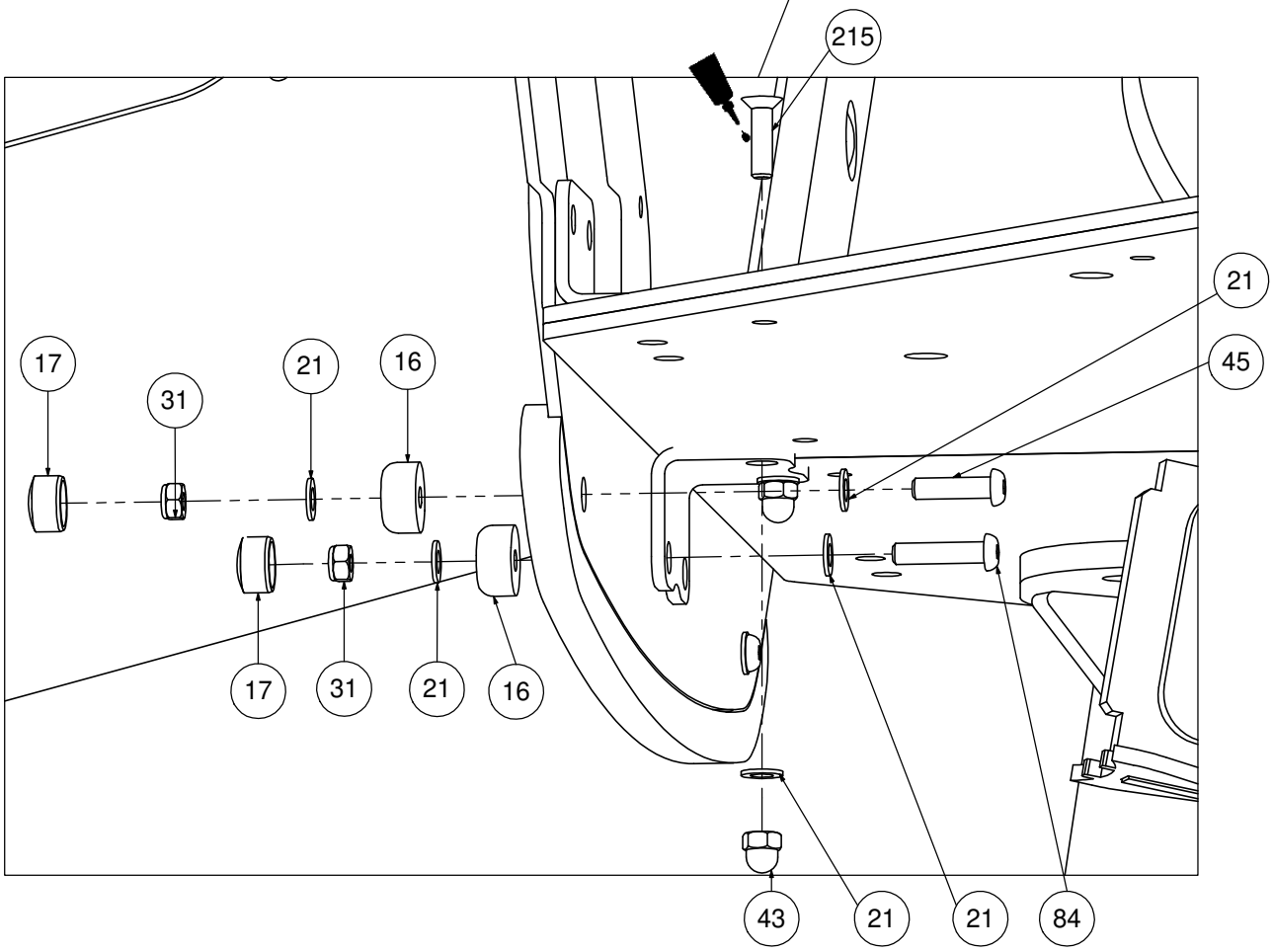
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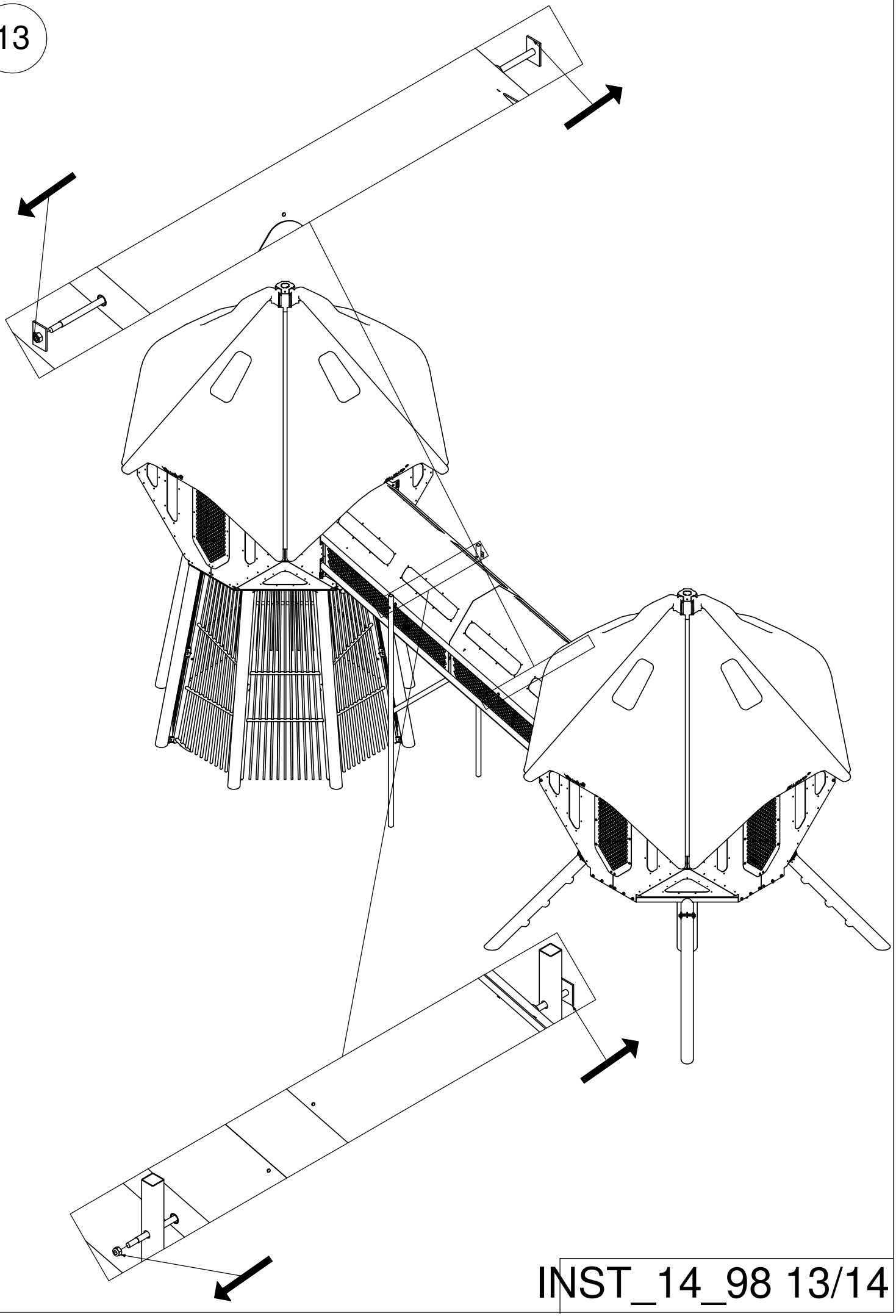


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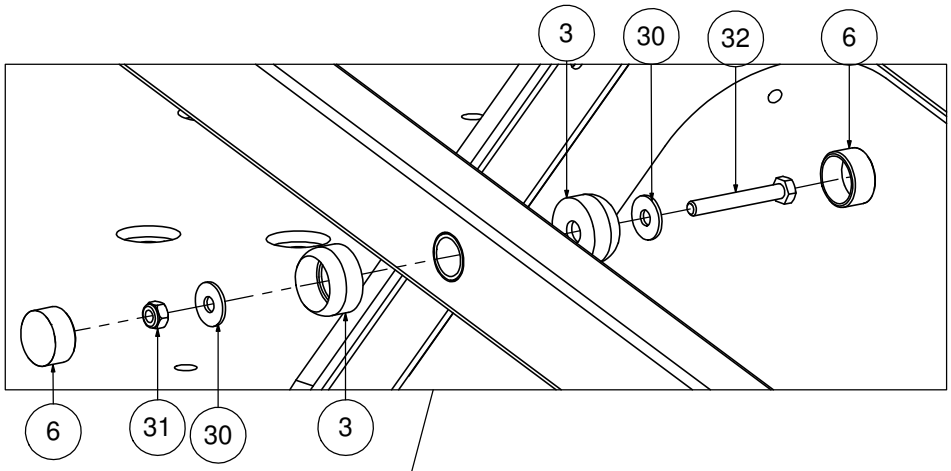


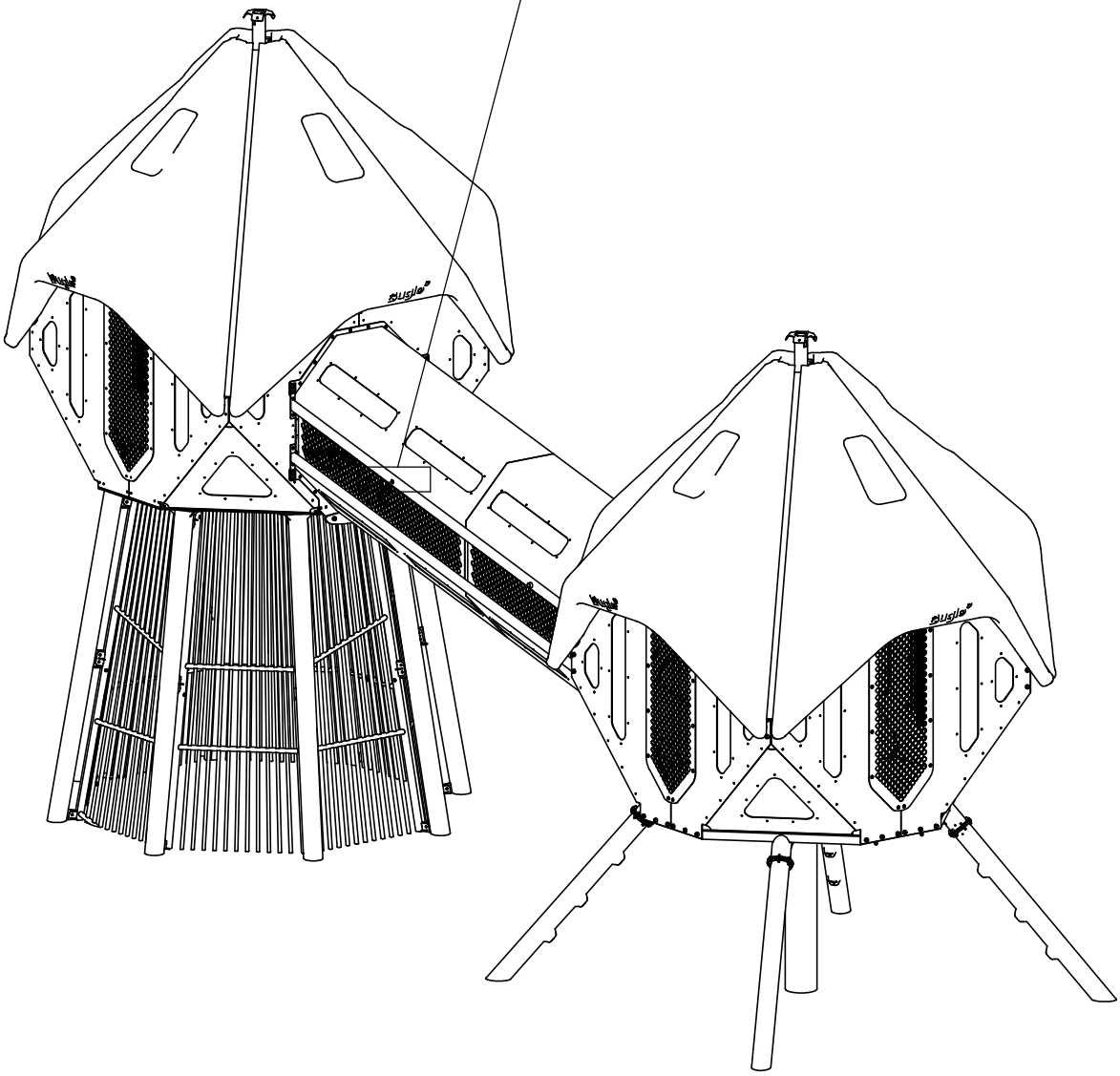


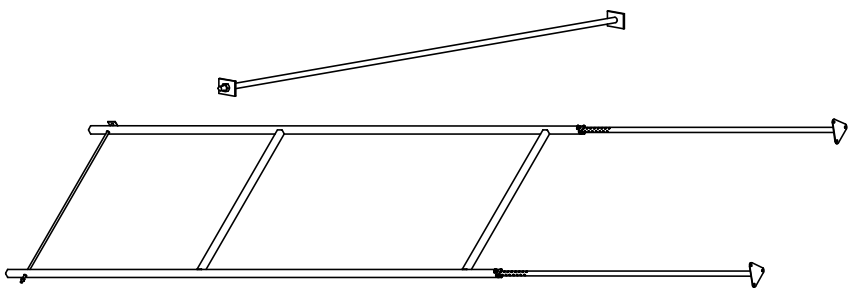
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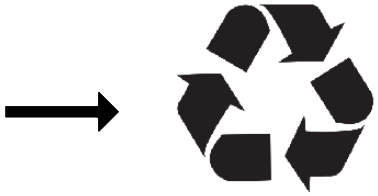


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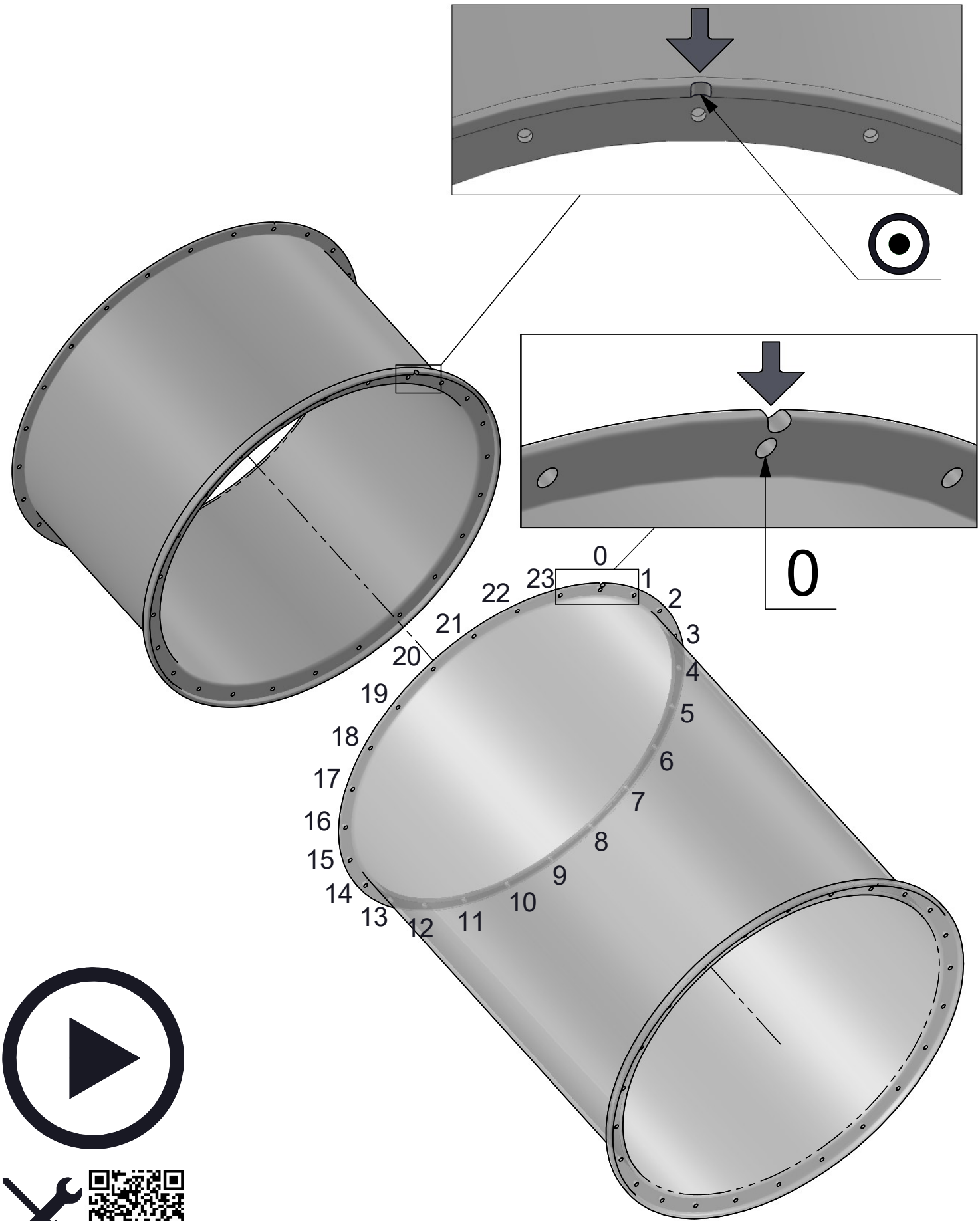








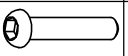
INST_MTS_2

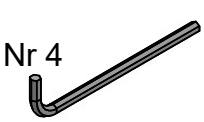


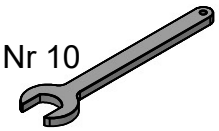
buglo.pl/mts-manual

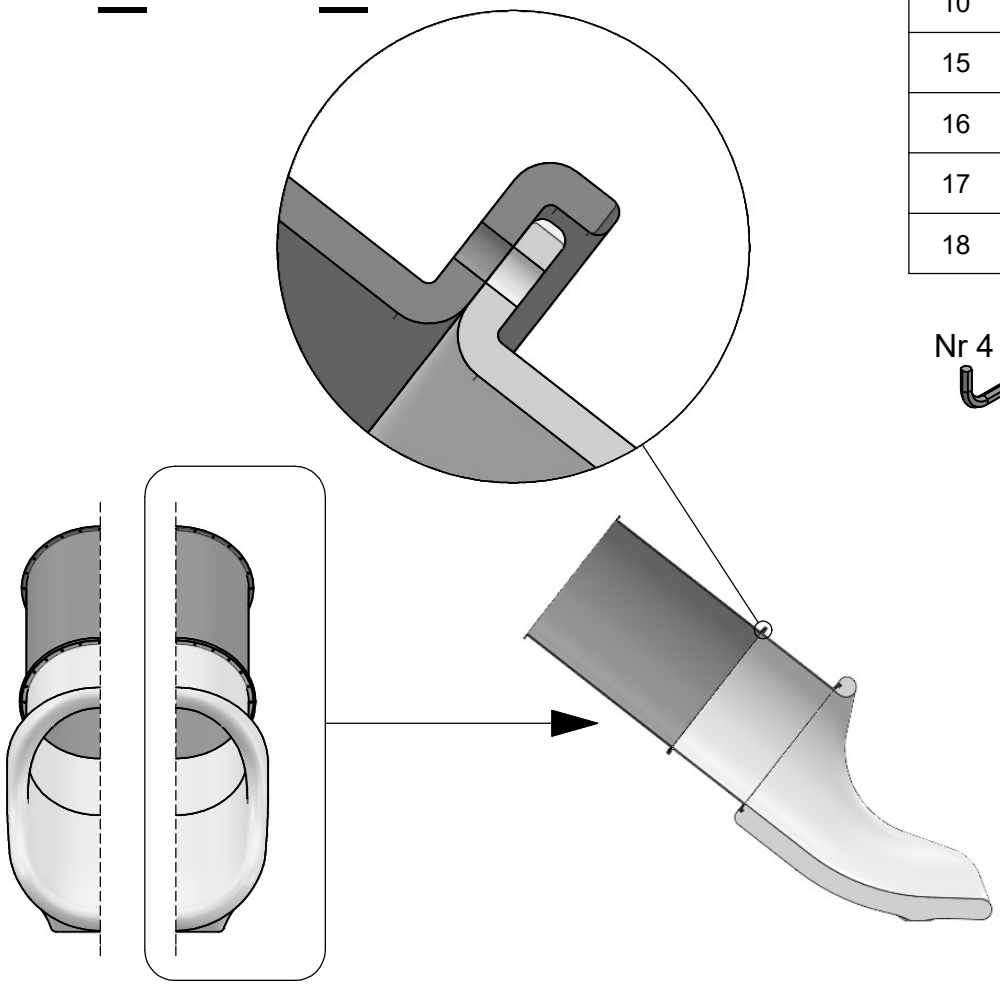
MANUAL

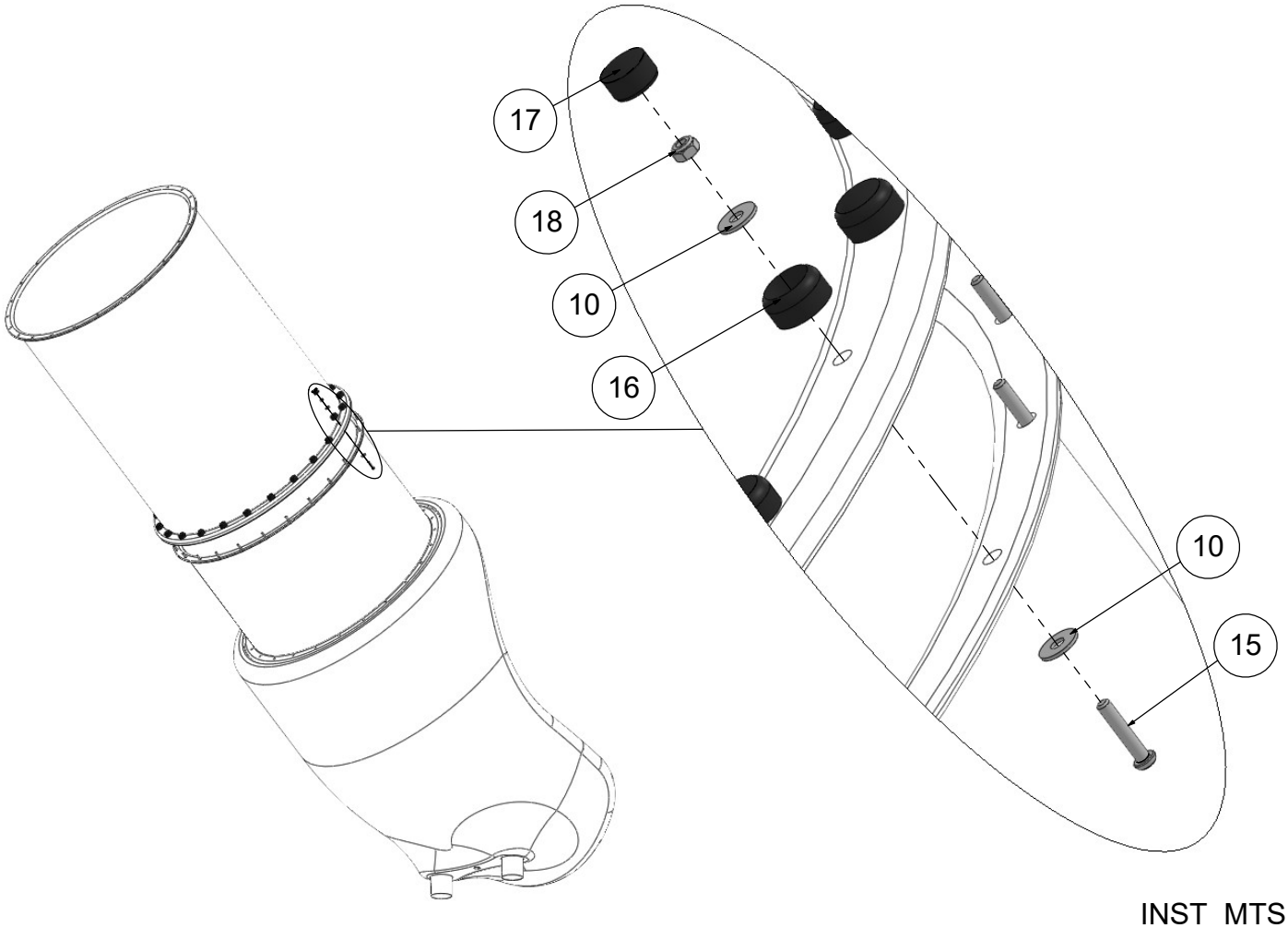
INST_MTS_3

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

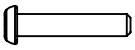


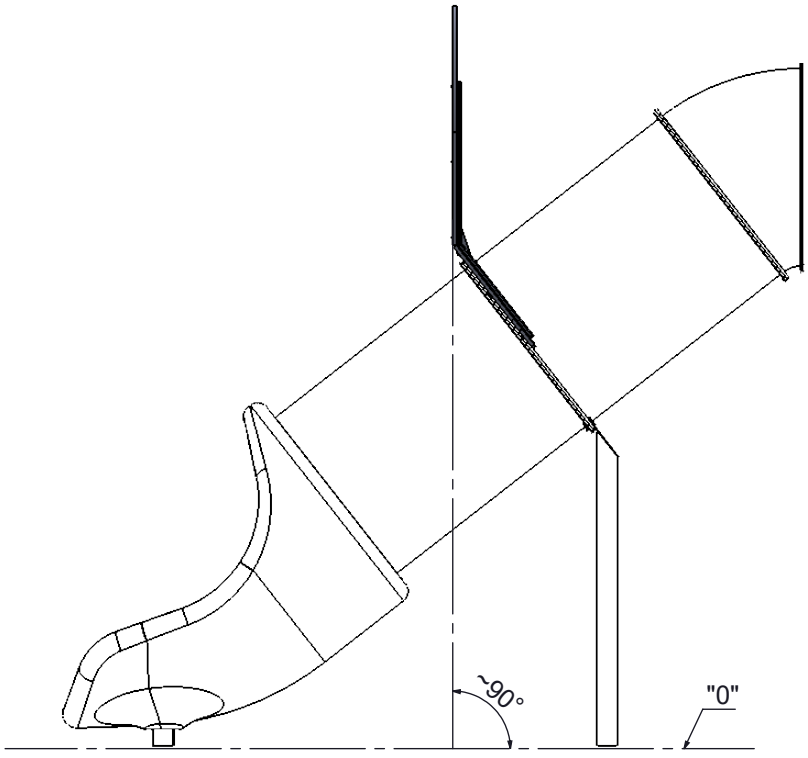


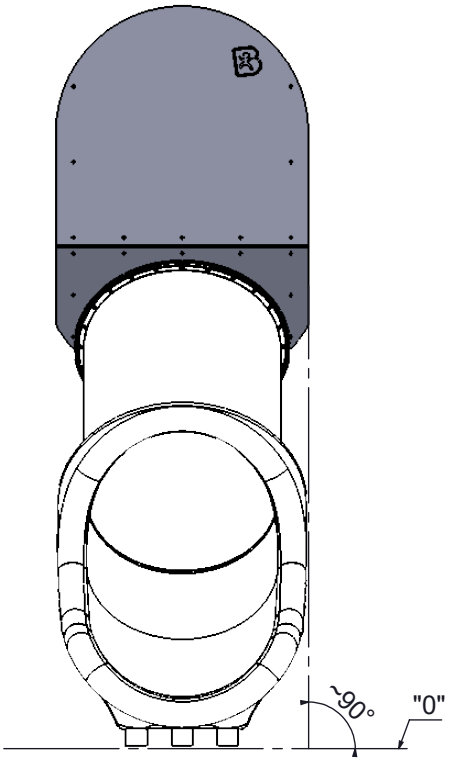




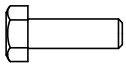
INST_MTS_6

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

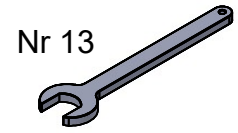


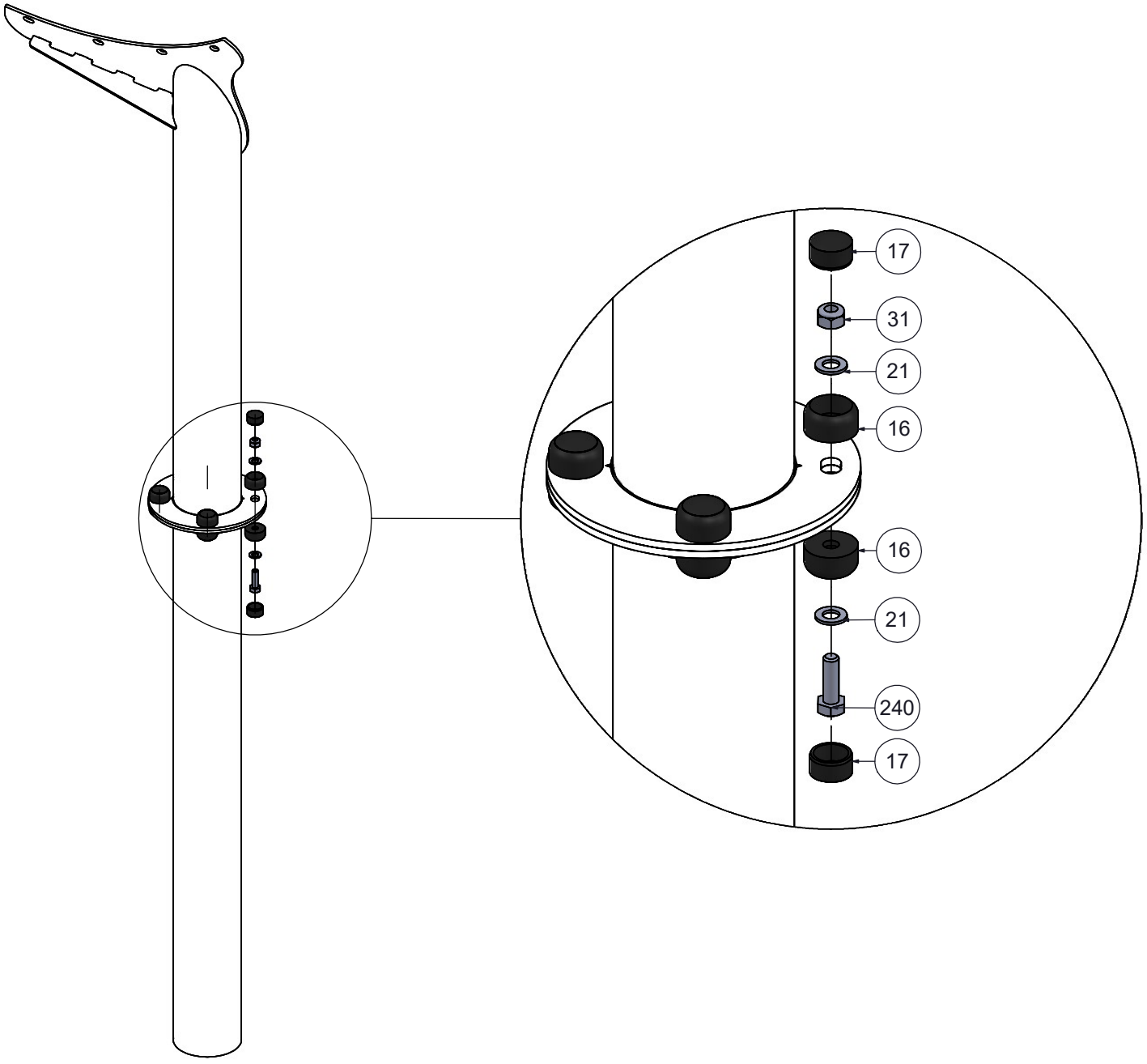


INST_MTS_7

Nr	Element		
16		-	K1_d21_B
17		-	Z1_d21_B
21		DIN 125	8x16
31		DIN 985	M8 (OC)
240		DIN 933	M8x25 (OC)

Nr 13

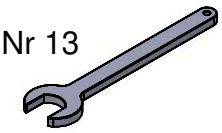


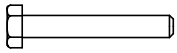
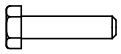


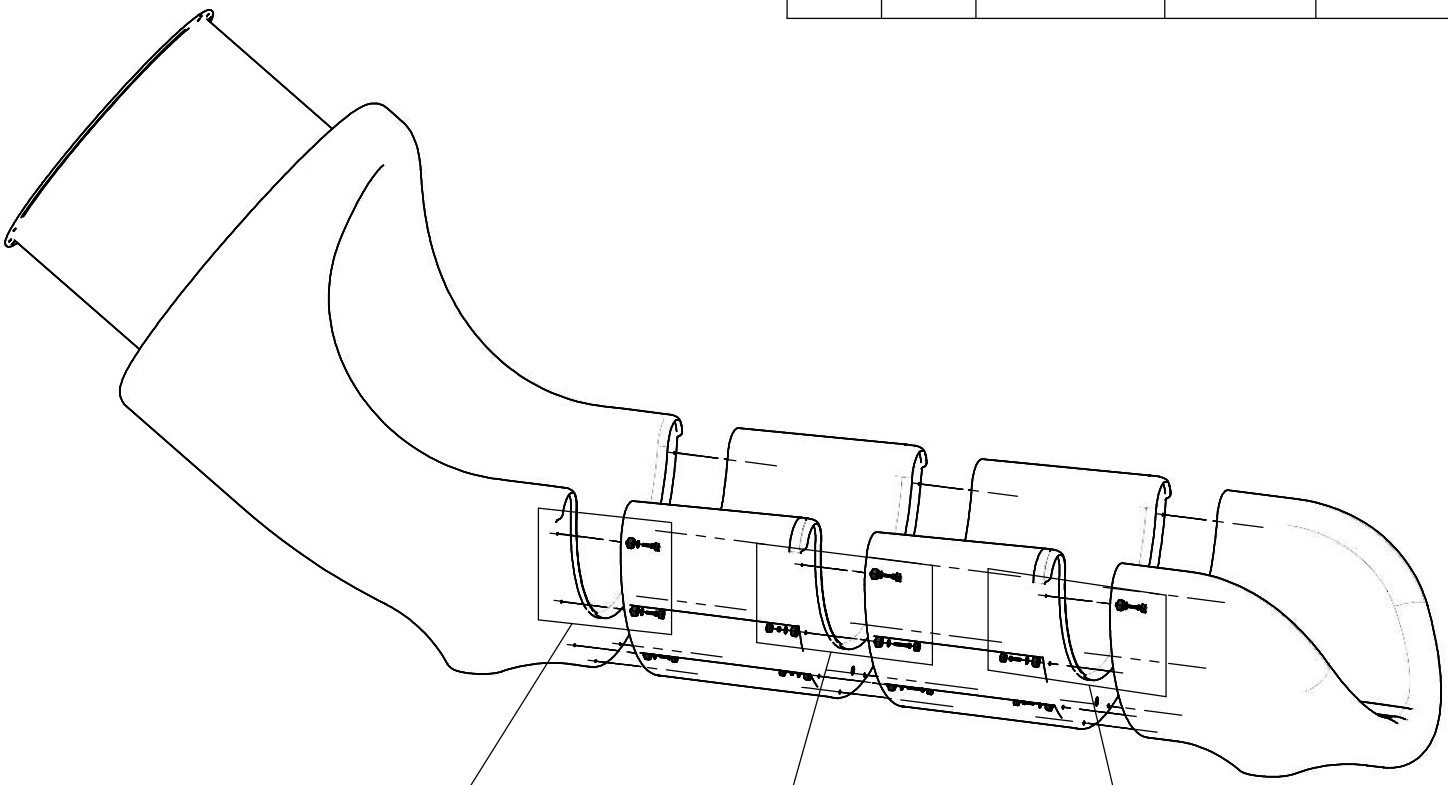
INST_MTS_8

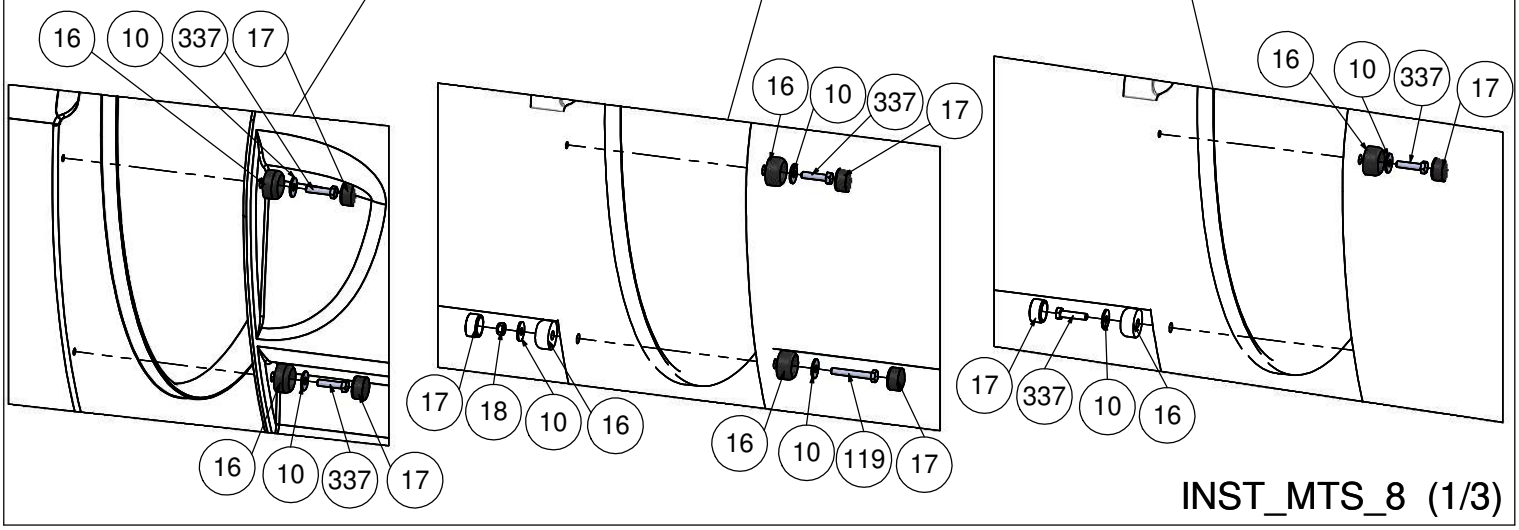
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Nr 13



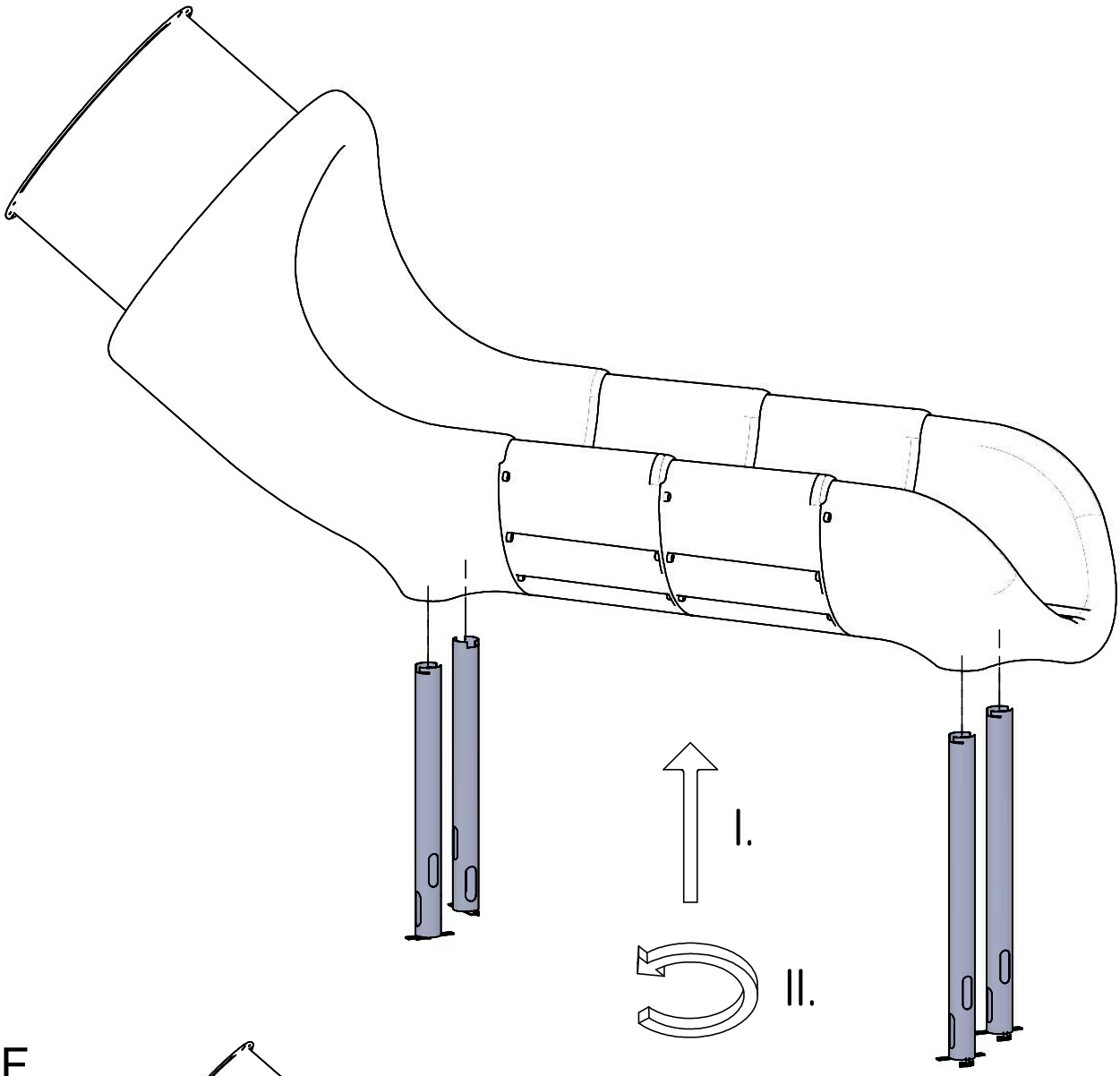
Nr	Σ	Element		
10	30		DIN 9021	6x18
16	30		-	K1_d21_B
17	30		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
119	6		DIN 933	M6x40 (OC)
337	18		DIN 933	M6x25 (OC)



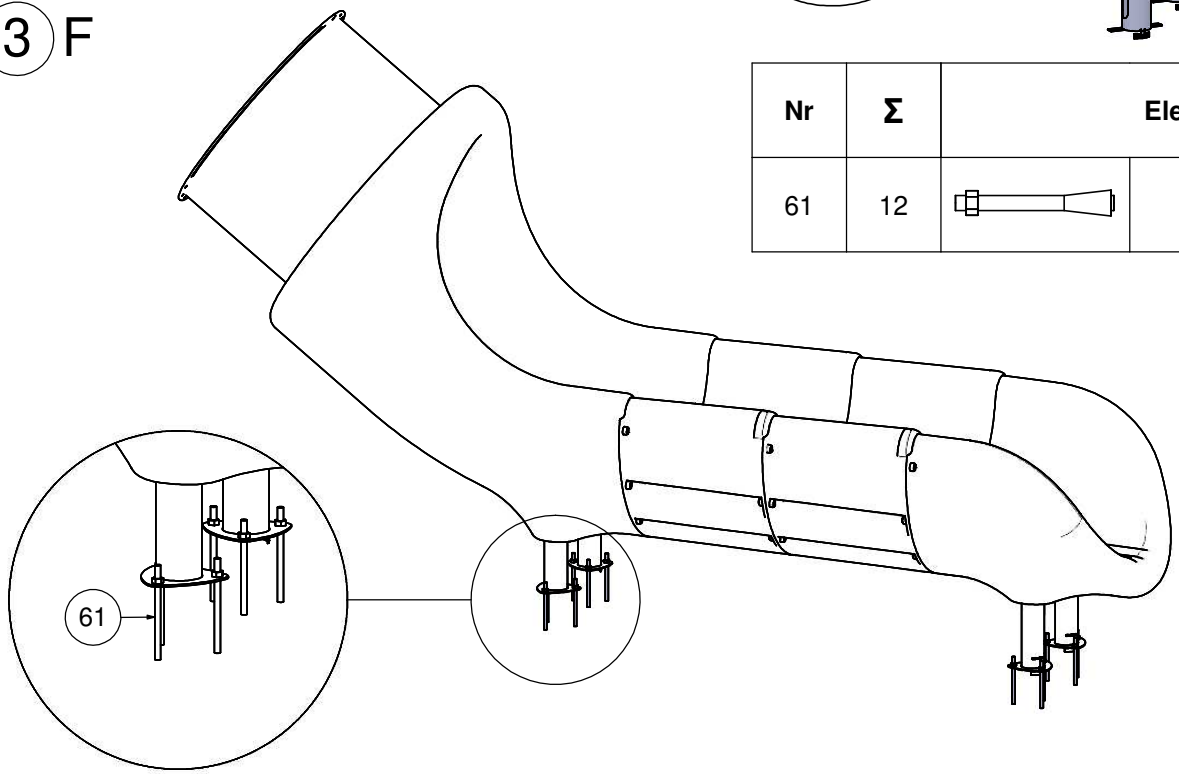


INST_MTS_8

2



3 F



Nr	Σ	Element		
61	12		-	KL105 (OC)

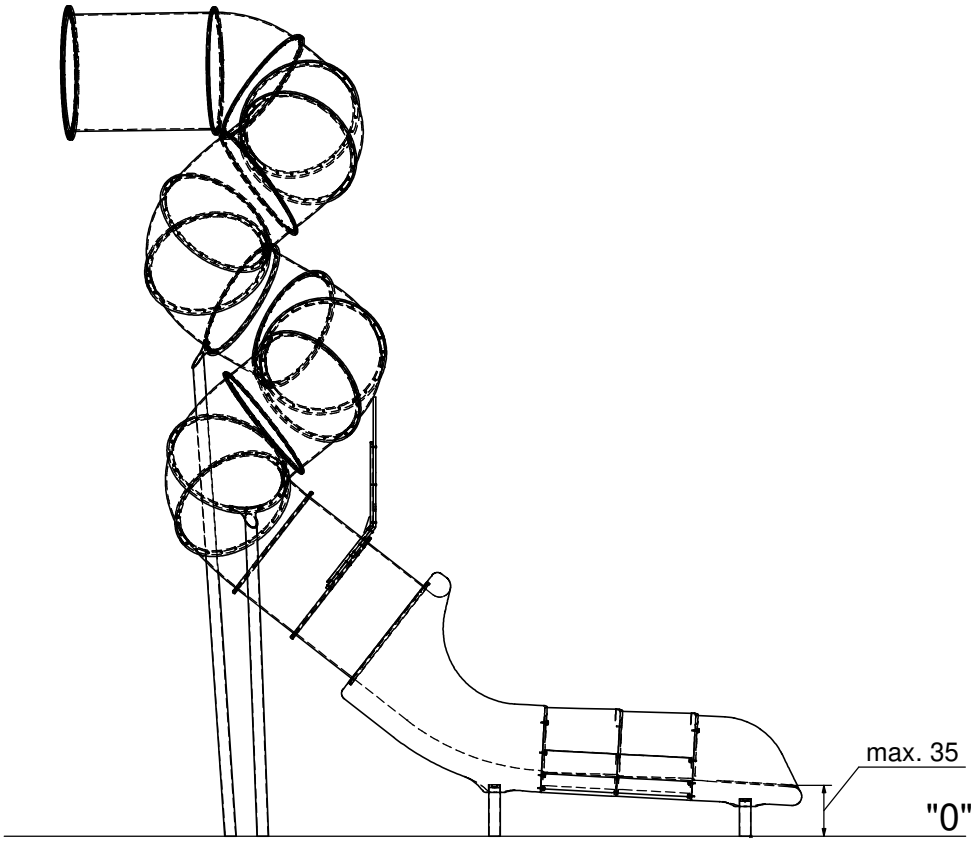
Nr 17

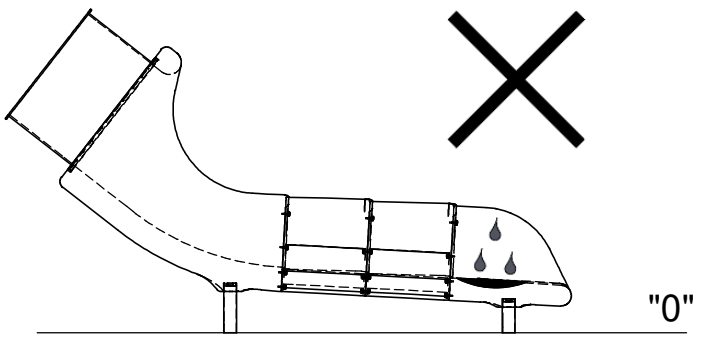


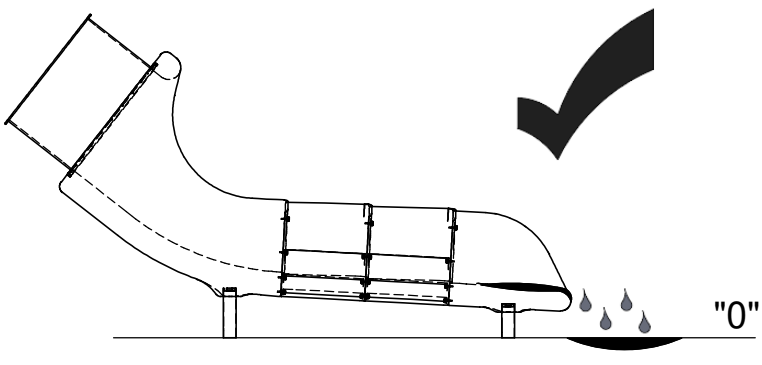
INST_MTS_8

[cm]

3





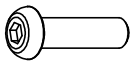


INST_MTS_9

N F*





Nr	Σ	Element		
21	8		DIN 125	8x16
43	4		DIN 1587	M8
45	4		ISO 7380	M8x30
58	1		-	LOCTITE

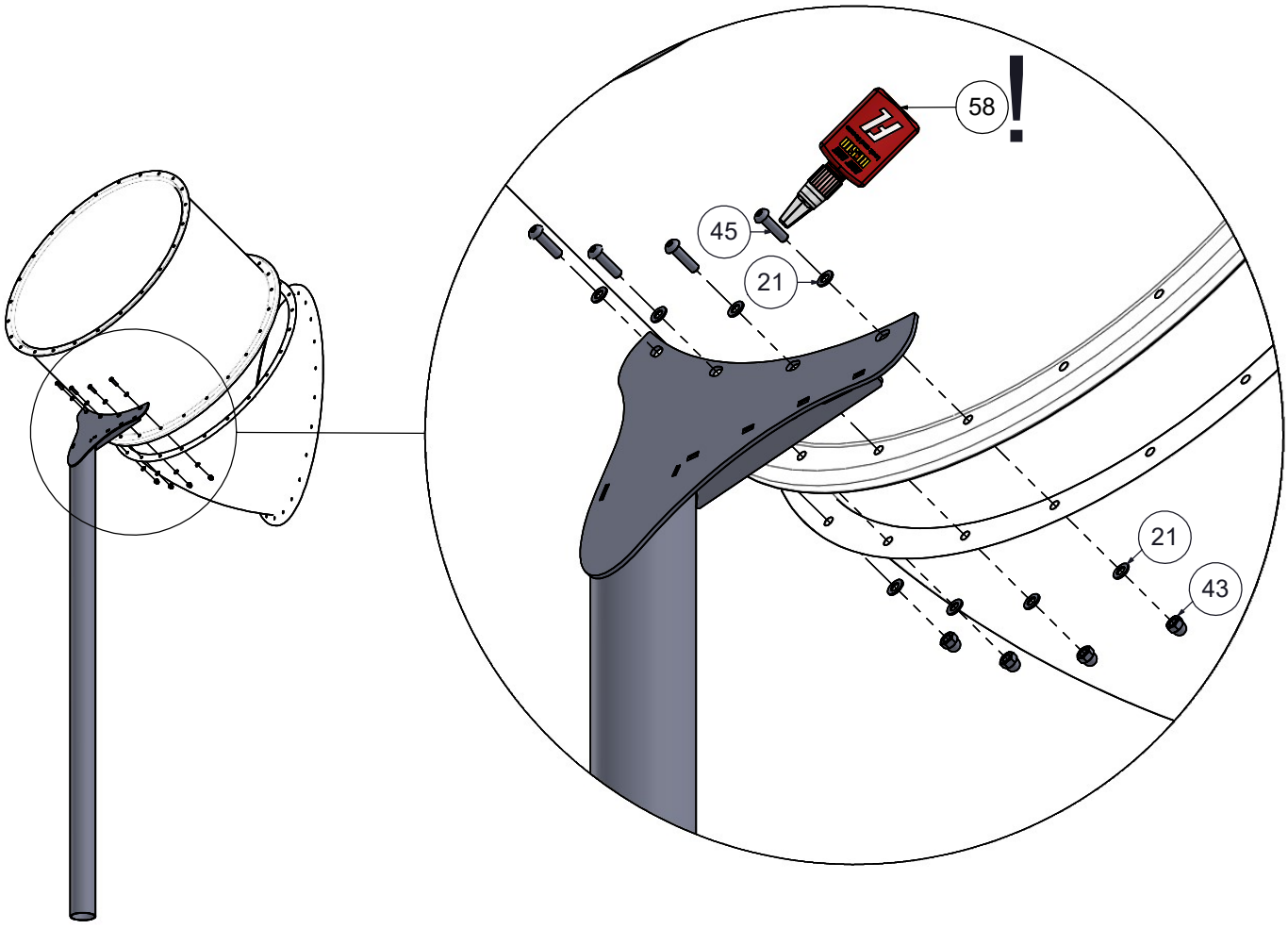
Nr 13, 17, 19



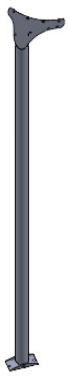
Nr 5



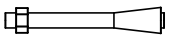
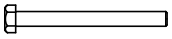
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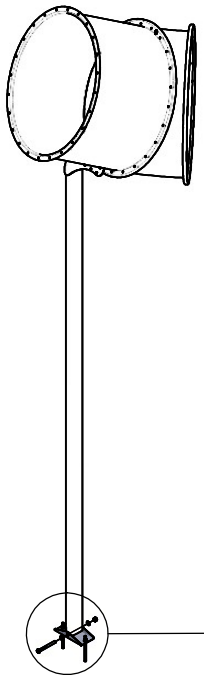


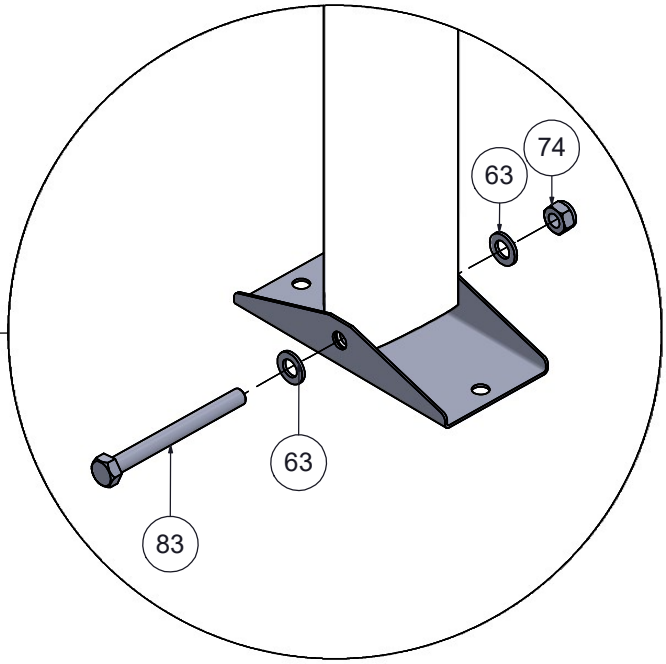
F*



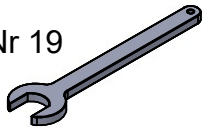
2F*

Nr	Σ	Element		
61	2		-	KL105 (OC)
63	2		DIN 125	12x24
74	1		DIN 985	M12 (OC)
83	1		DIN 931	M12x120 (OC)

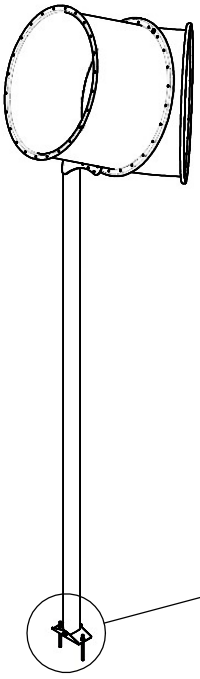


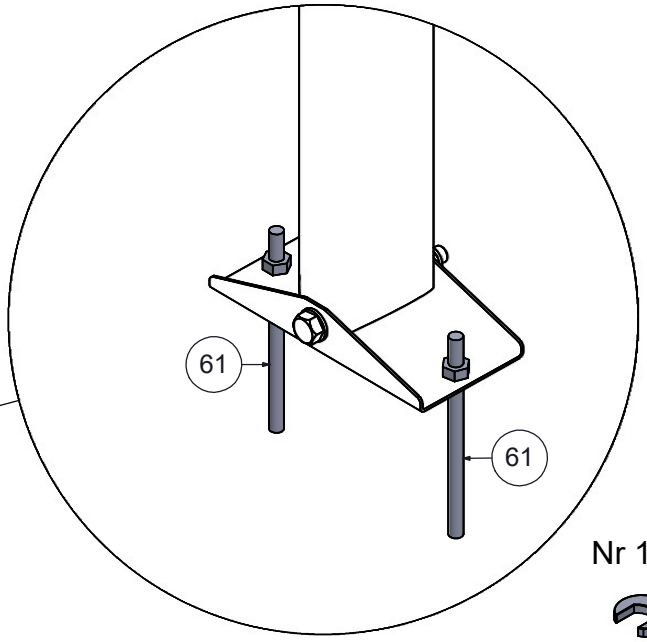


Nr 19



3F*





Nr 17



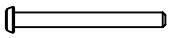
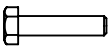
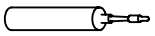
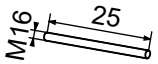
INST_MTS_10



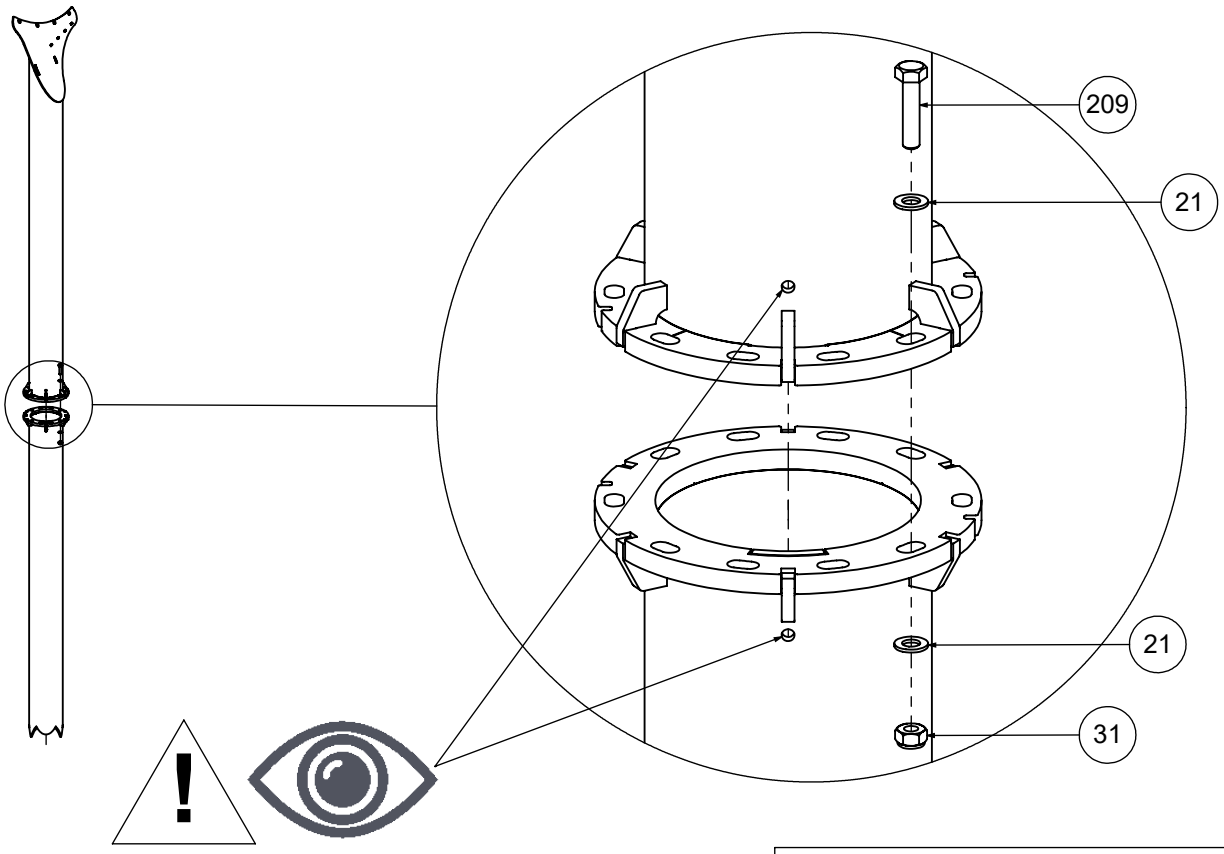
Nr 4



Nr 10, 17, 24

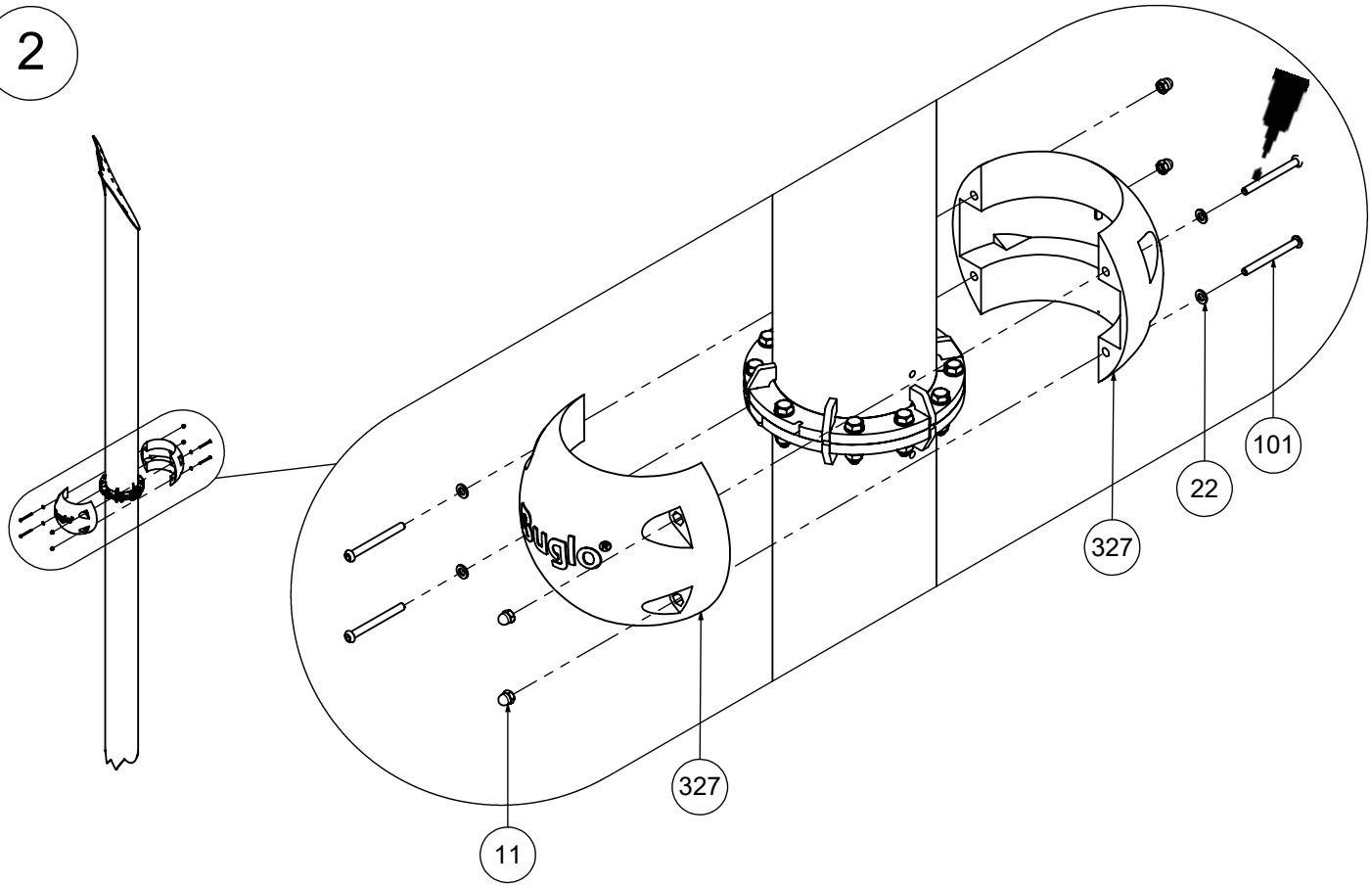
Nr	Σ	Element		
11	4		DIN 1587	M6
21	20		DIN 125	8x16
22	4		DIN 125	6x12
31	10		DIN 985	M8 (OC)
58	1		-	LOCTITE
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
101	4		ISO 7380	M6x60
209	10		DIN 933	M8x35
327	2		-	MLR133
526	1		-	KCH
531	16		-	S4_1400_82

1

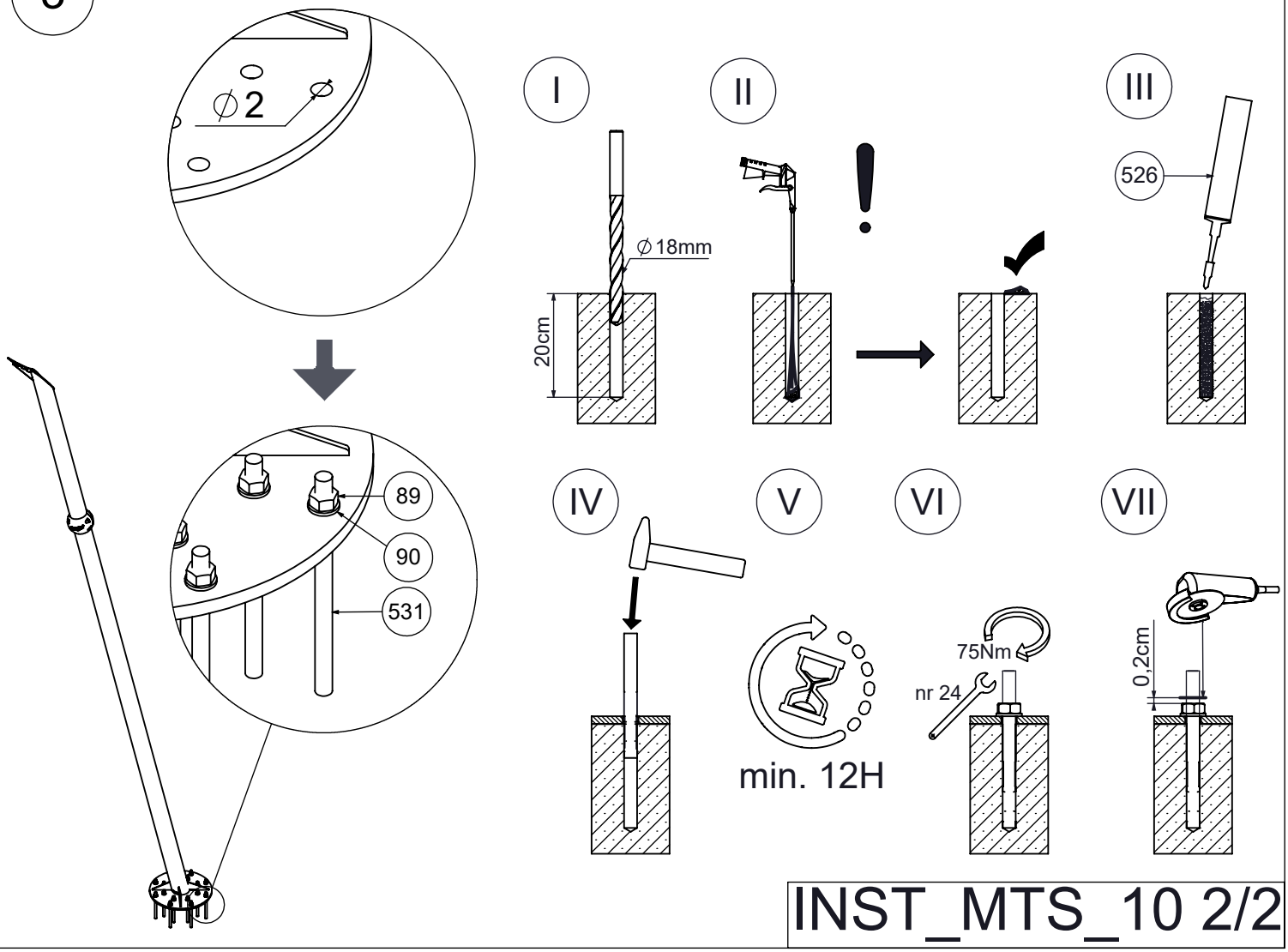


INST_MTS_10

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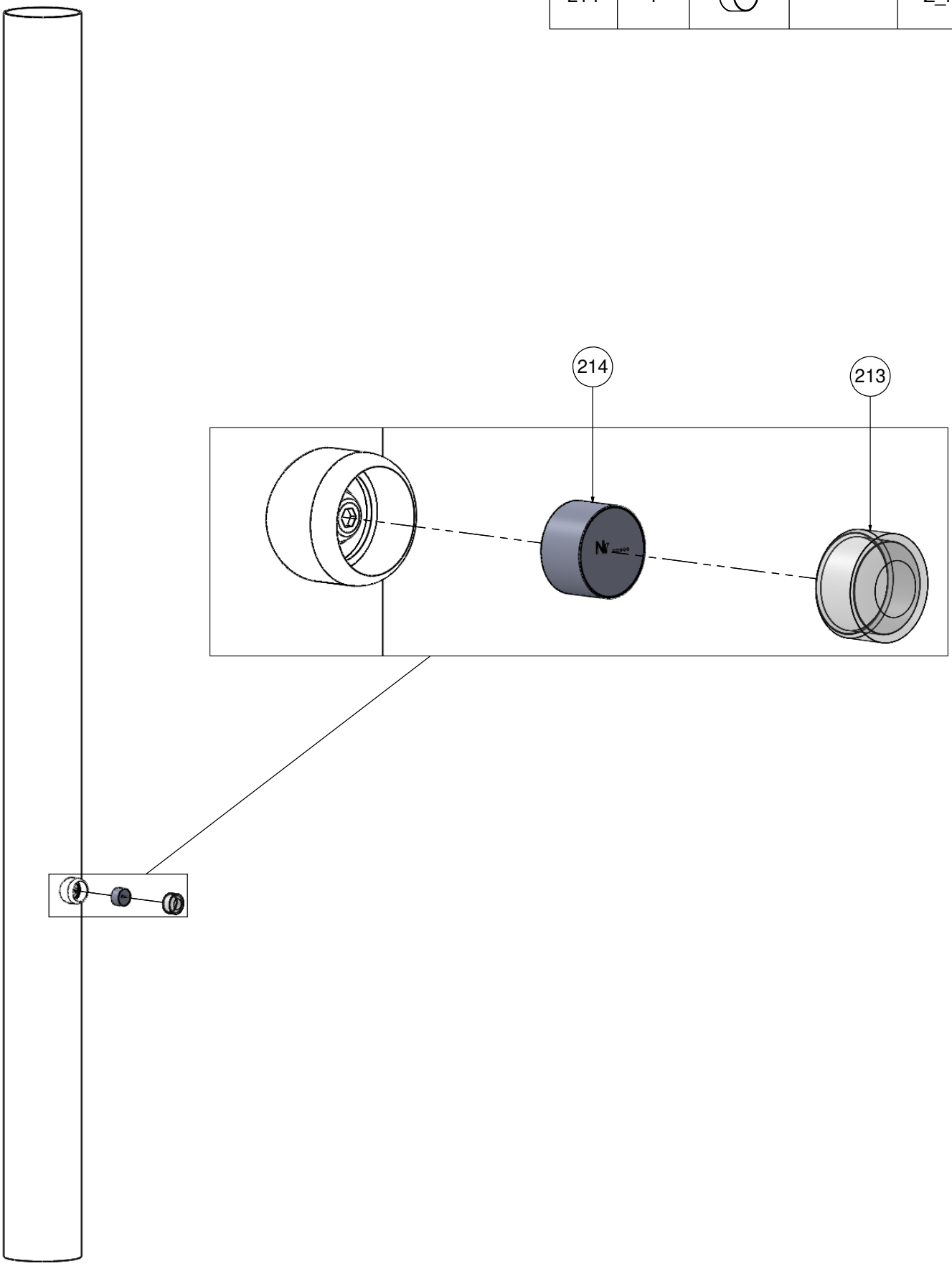


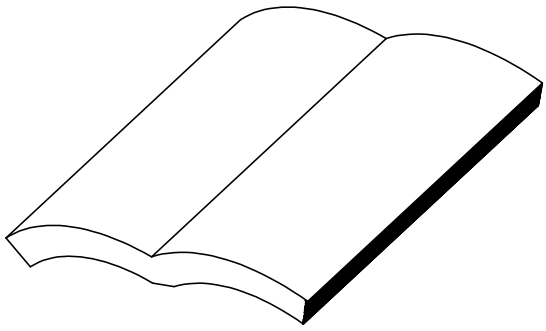
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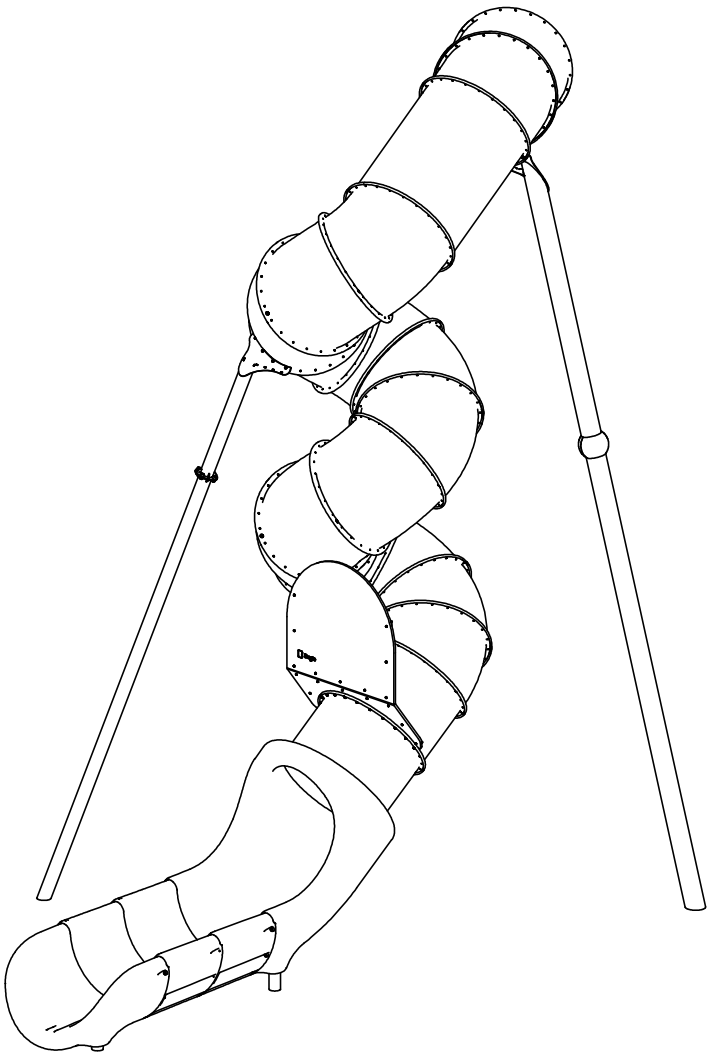
INST_Z_1

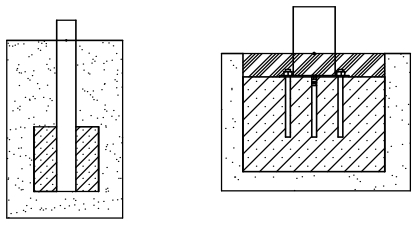
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214	1		-	Z_NA_2



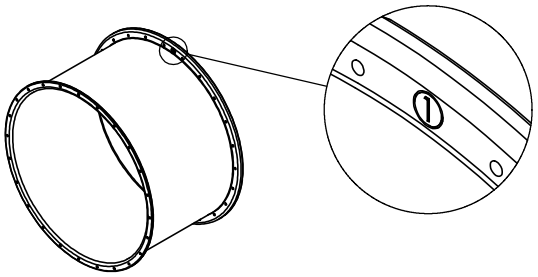
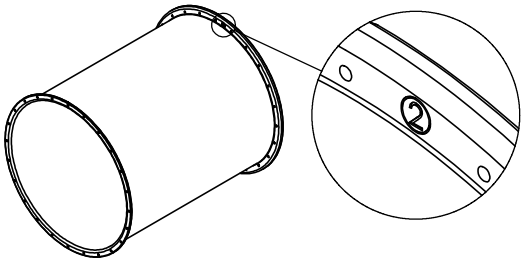
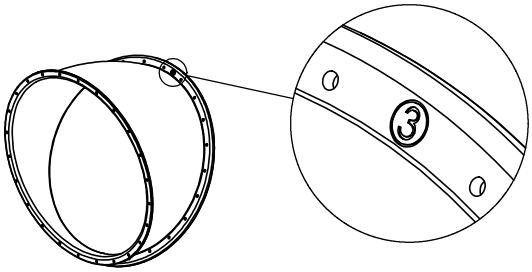
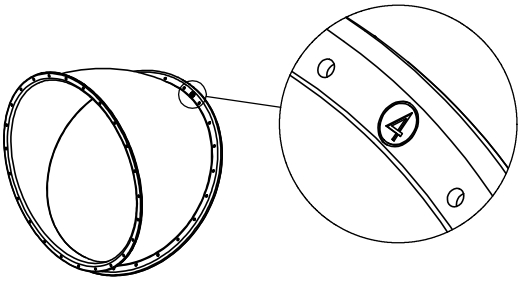
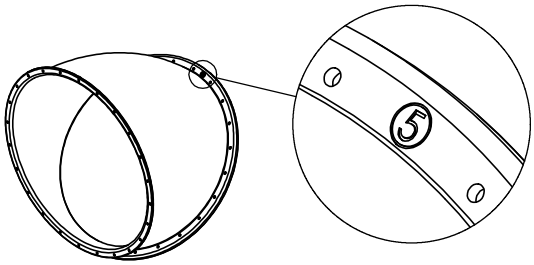


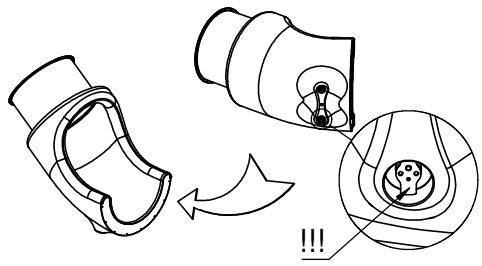
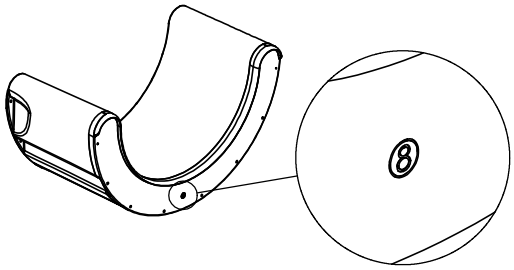
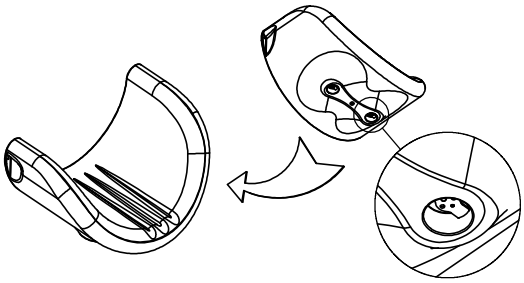
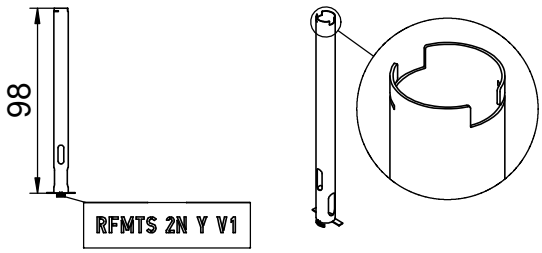
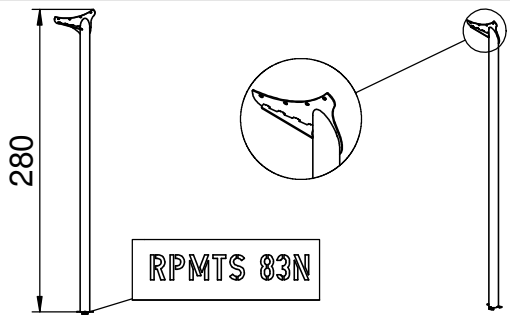
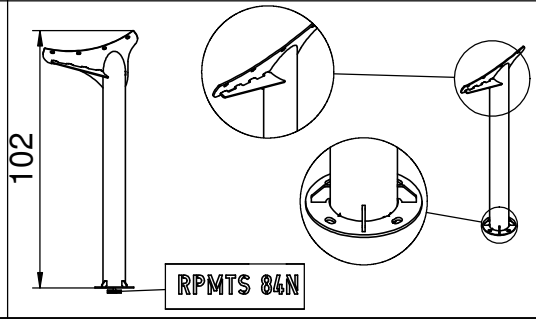
MTSK_H500_A3 F40-N (LZ)

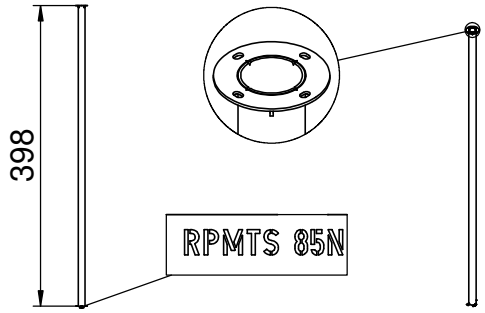
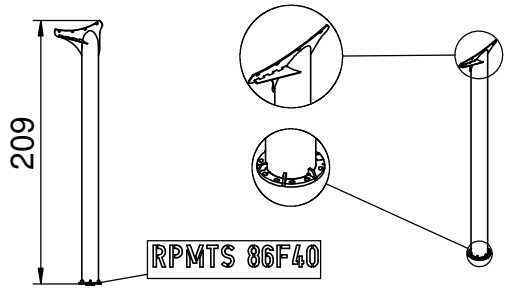
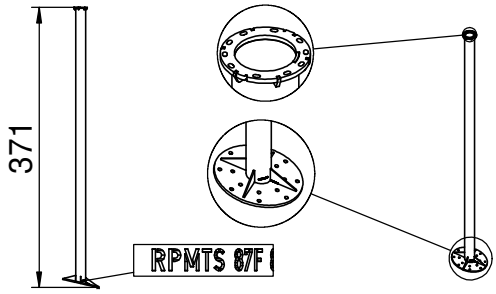
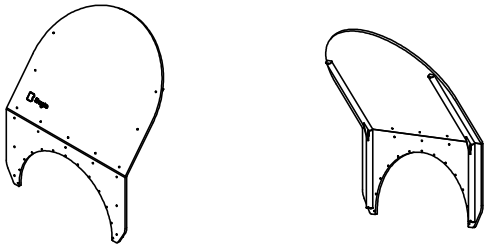


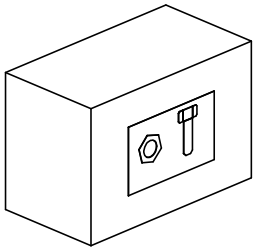


MTSK_H500_A3 F40-N (LZ)

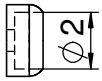
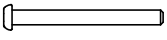
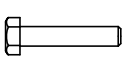
NR	ELEMENT	MTSK_H500_A3 F40-N (LZ)
1		2
2		1
3		1
4		2
5		12
6		

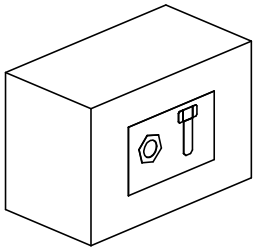
NR	ELEMENT	MTSK_H500_A3 F40-N (LZ)
7		1
8		2
9		1
10		4
11		1
12		1

NR	ELEMENT	MTSK_H500_A3 F40-N (LZ)
13		1
14		1
15		1
16		1

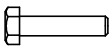
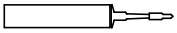


MTSK_H500_A3 F40-N (LZ)

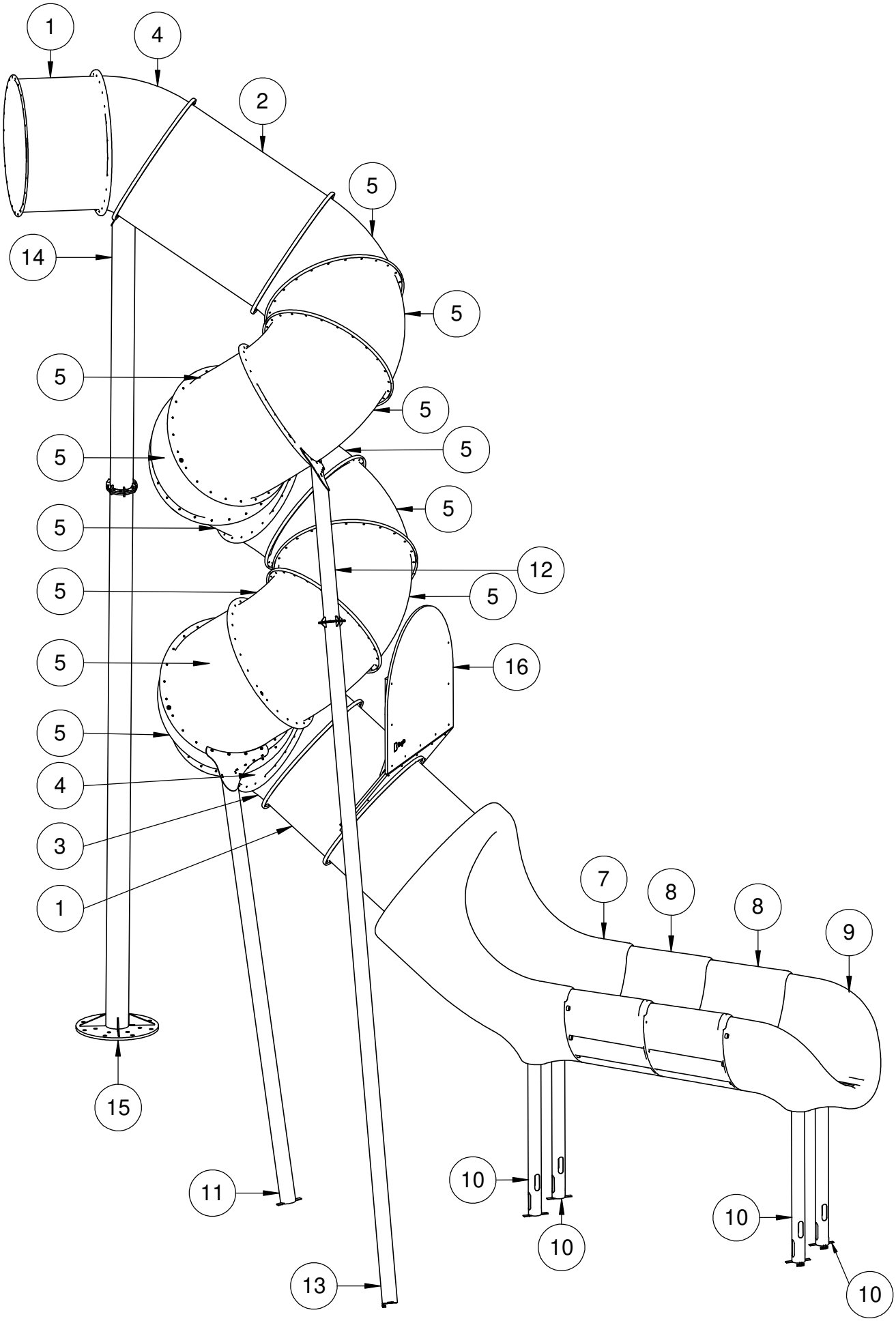
Nr	Element			Σ
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11		DIN 1587	M6	4
15		ISO 7380	M6x30	445
16		-	K1_d21_B	470
17		-	Z1_d21_B	470
18		DIN 985	M6 (OC)	438
21		DIN 125	8x16	65
22		DIN 125	6x12	4
31		DIN 985	M8 (OC)	14
43		DIN 1587	M8	12
45		ISO 7380	M8x30	12
58		-	LOCTITE	1
89		DIN 934	M16 (OC)	16
90		DIN 125	16x30	16
101		ISO 7380	M6x60	4
119		DIN 933	M6x40 (OC)	6
147		-	M6x10	13



MTSK_H500_A3 F40-N (LZ)

Nr	Element			Σ
209		DIN 933	M8x35 (OC)	10
240		DIN 933	M8x25	4
327		-	MLR133	2
472		DIN 933	M6x25 (OC)	18
531		-	S4_1400_82	16
526		-	KCH	-

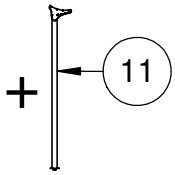
MTSK_H500_A3 F40-N (LZ)

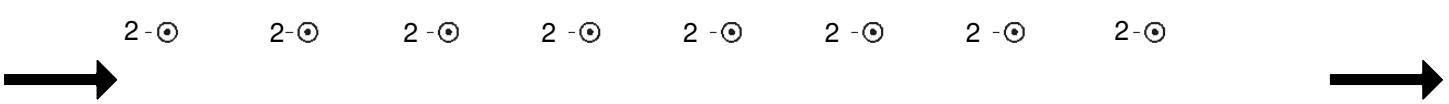


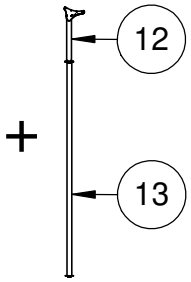
1 MTSK_H500_A3 F40-N (LZ)

INST_MTS_2
INST_MTS_3
INST_MTS_6
INST_MTS_7
INST_MTS_8
INST_MTS_9

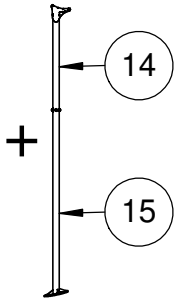








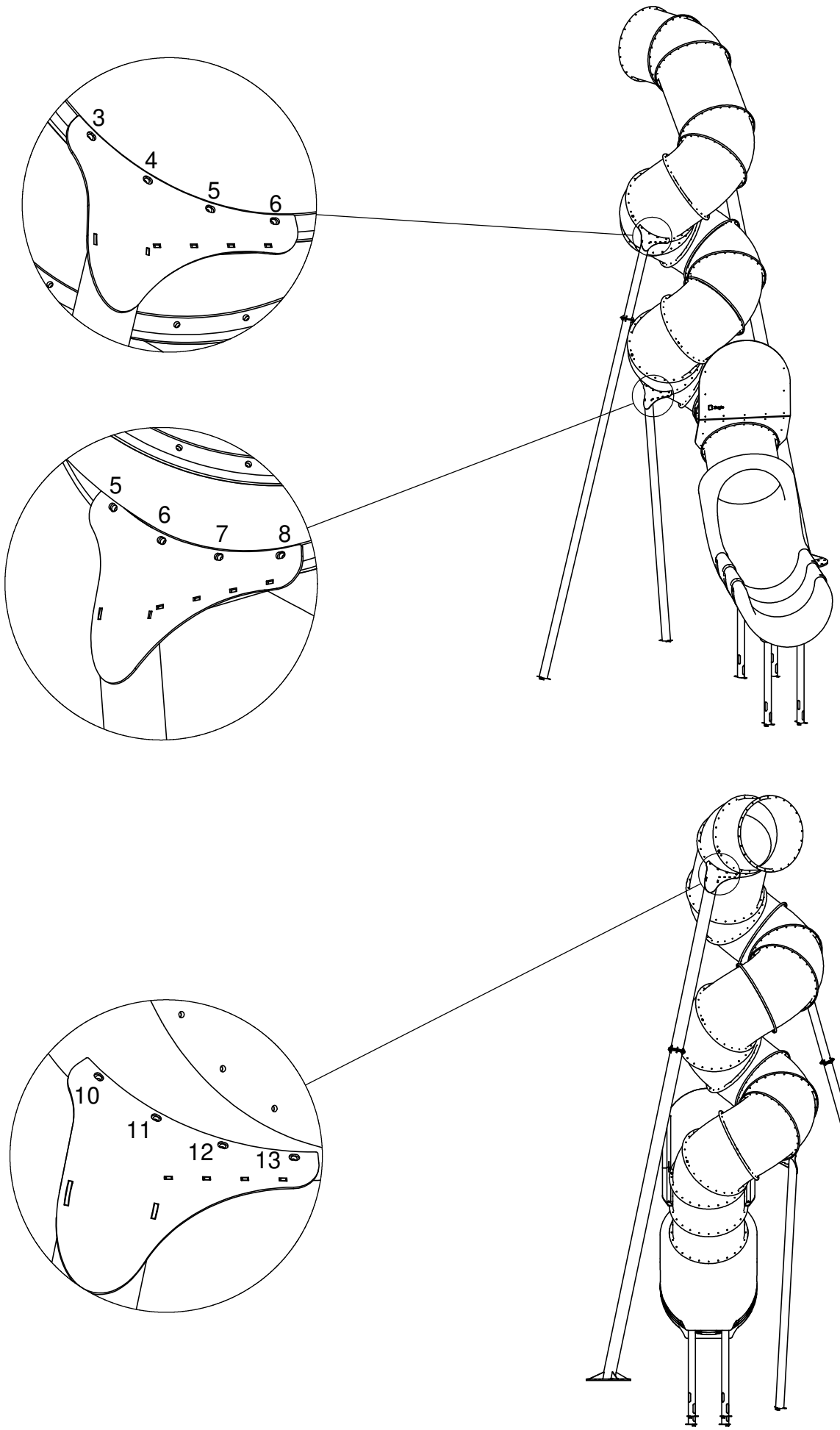




buglo.pl/mts-manual

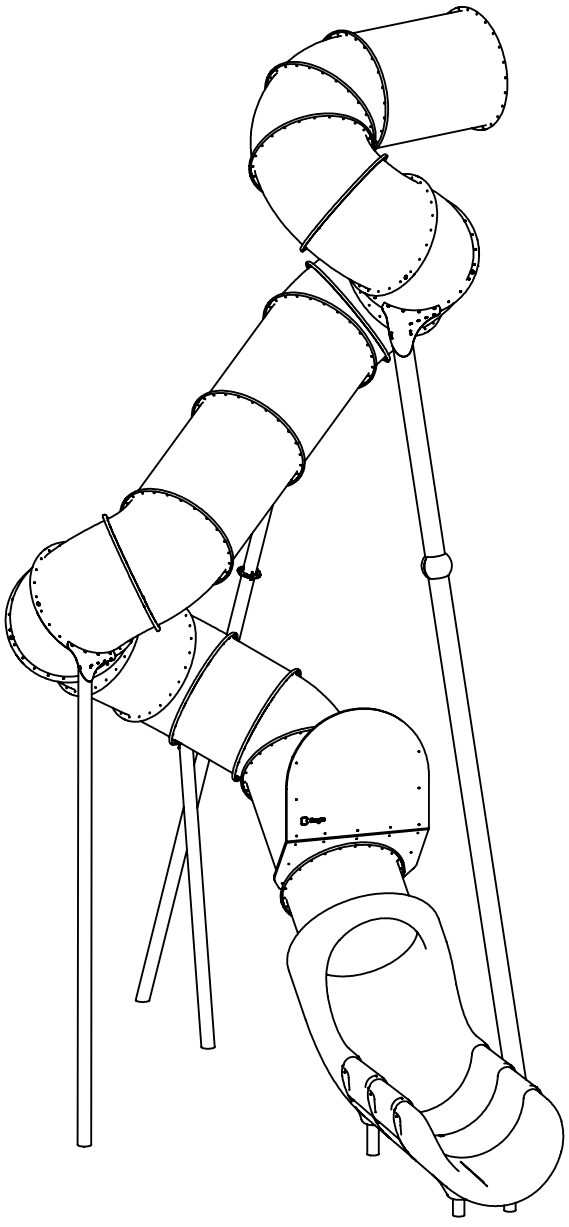
MANUAL

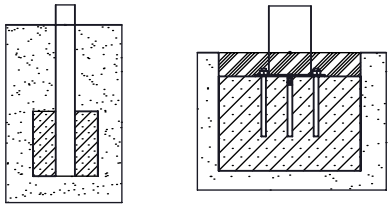
1 MTSK_H500_A3 F40-N (LZ)



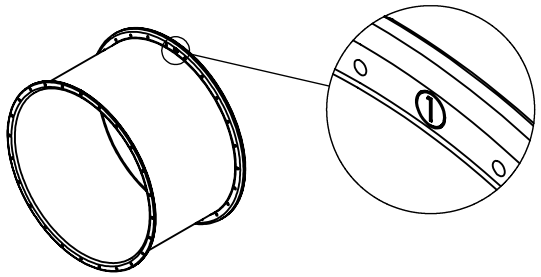
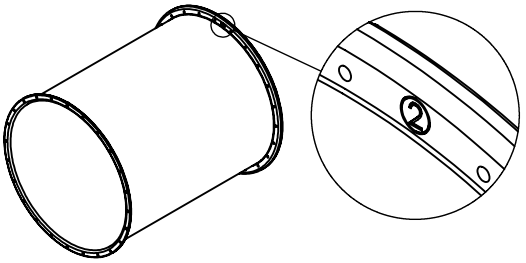
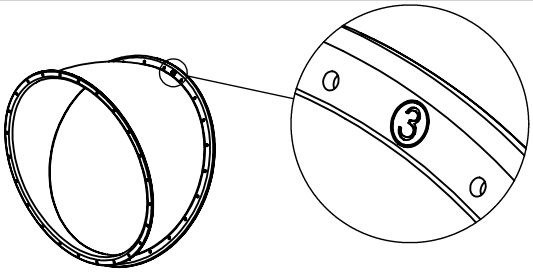
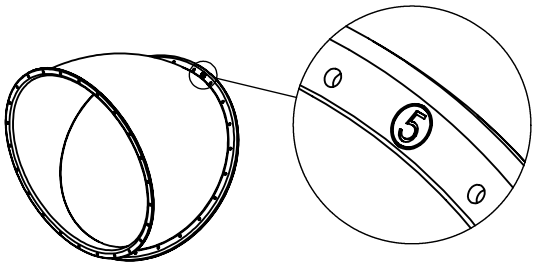


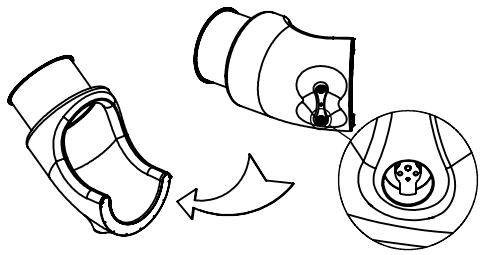
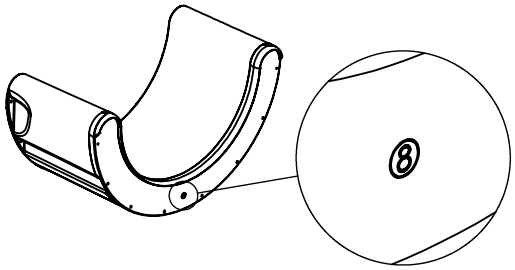
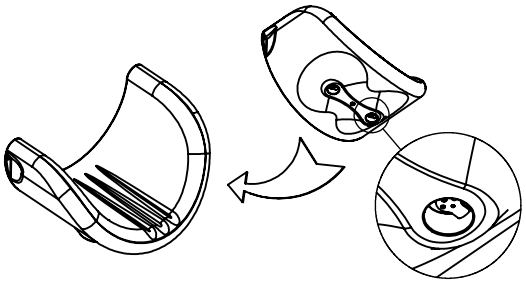
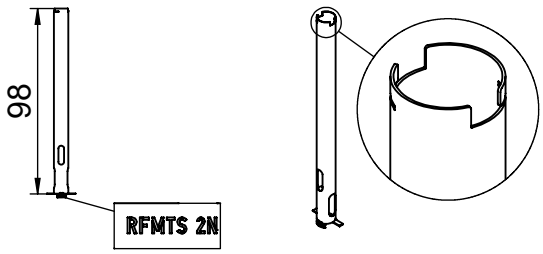
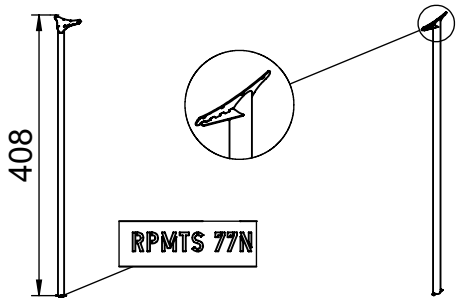
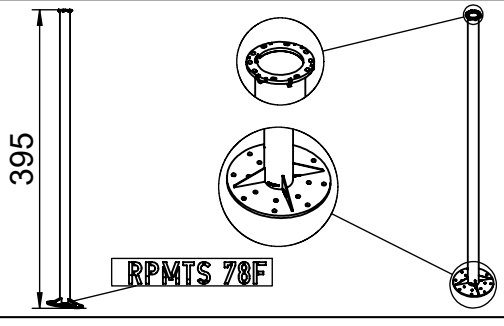
MTSK_H600_A5

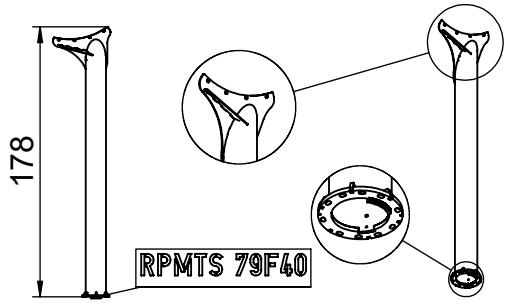
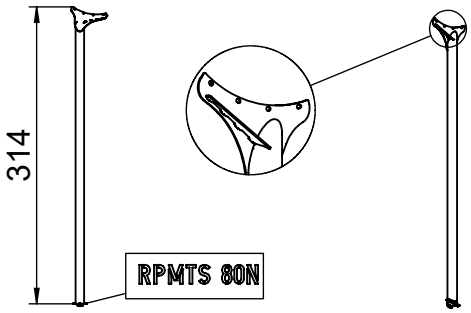
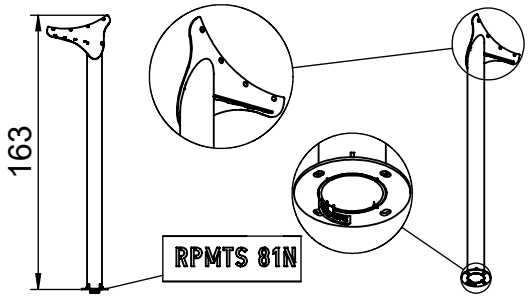
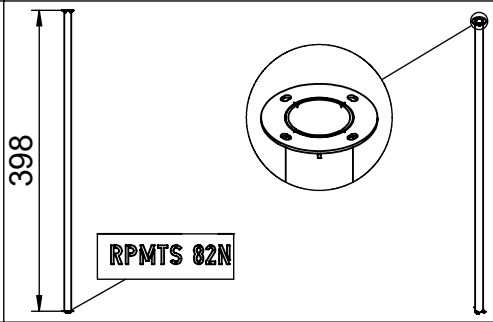
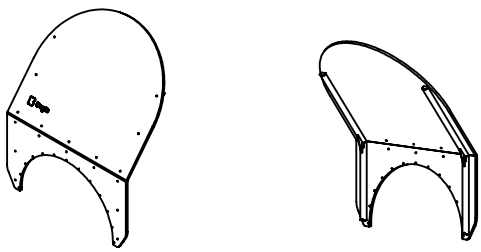


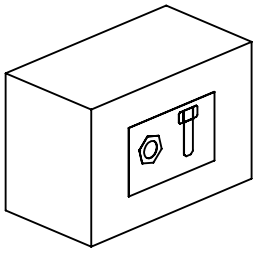


MTSK_H600_A5 F40-N (LZ)

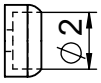
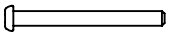
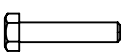
NR	ELEMENT	MTSK_600_A5 F40-N (LZ)
1		2
2		4
3		2
4		
5		12
6		

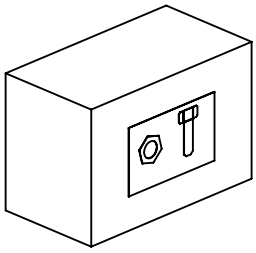
NR	ELEMENT	MTSK_H600_A5 F40-N (LZ)
7		1
8		2
9		1
10		4
11		1
12		1

NR	ELEMENT	MTSK_H600_A5 F40-N (LZ)
13		1
14		1
15		1
16		1
17		1

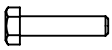
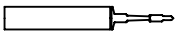


MTSK_H600_A5 F40-N (LZ)

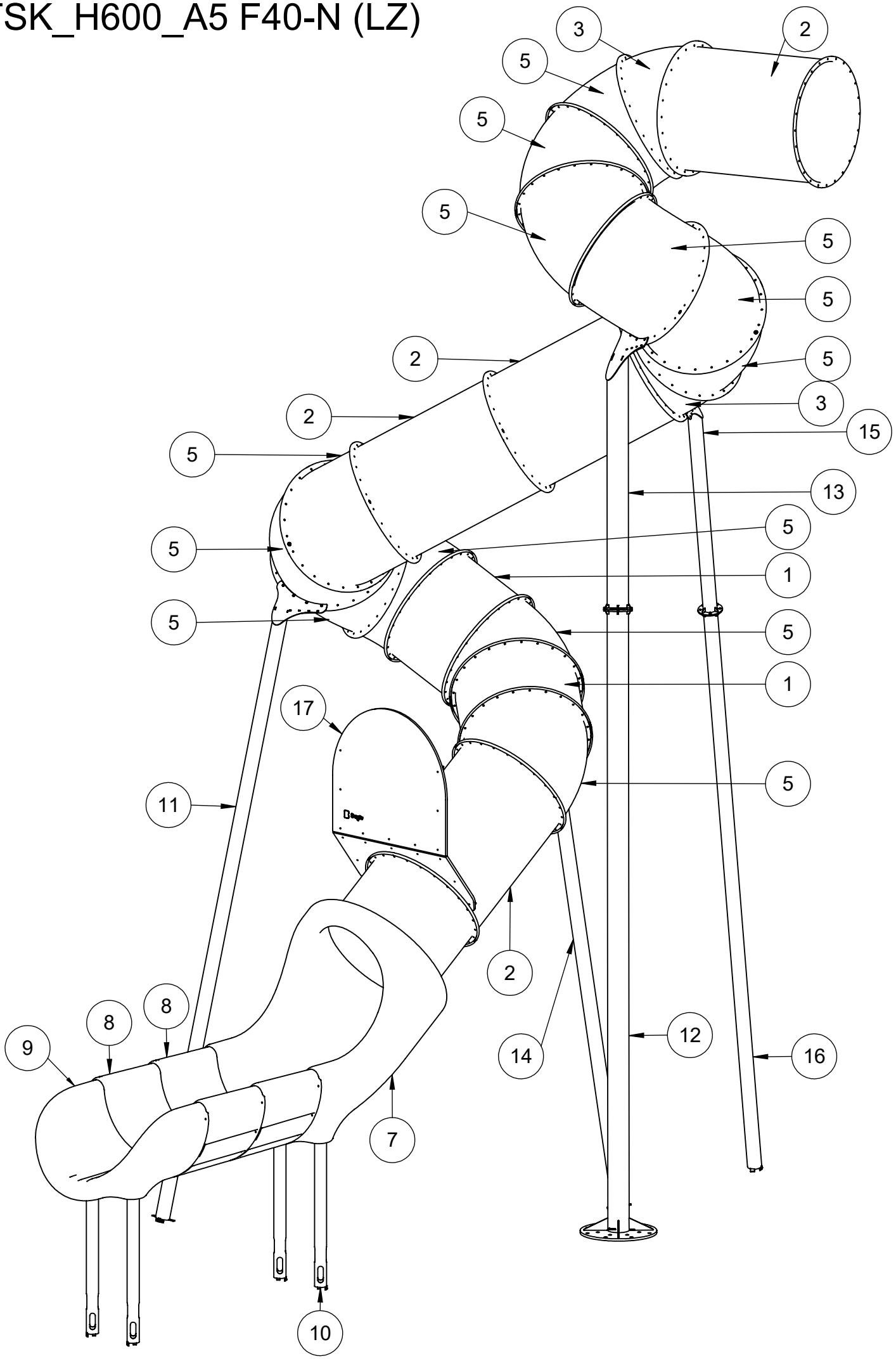
Nr	Element			Σ
10		DIN 9021	6x18	1003
11		DIN 1587	M6	4
15		ISO 7380	M6x30	493
16		-	K1_d21_B	518
17		-	Z1_d21_B	518
18		DIN 985	M6 (OC)	486
21		DIN 125	8x16	73
22		DIN 125	6x12	4
31		DIN 985	M8 (OC)	14
43		DIN 1587	M8	16
45		ISO 7380	M8x30	16
58		-	LOCTITE	1
89		DIN 934	M16 (OC)	16
90		DIN 125	16x30	16
101		ISO 7380	M6x60	4
119		DIN 933	M6x40 (OC)	6
147		-	M6x10	13



MTSK_H600_A5 F40-N (LZ)

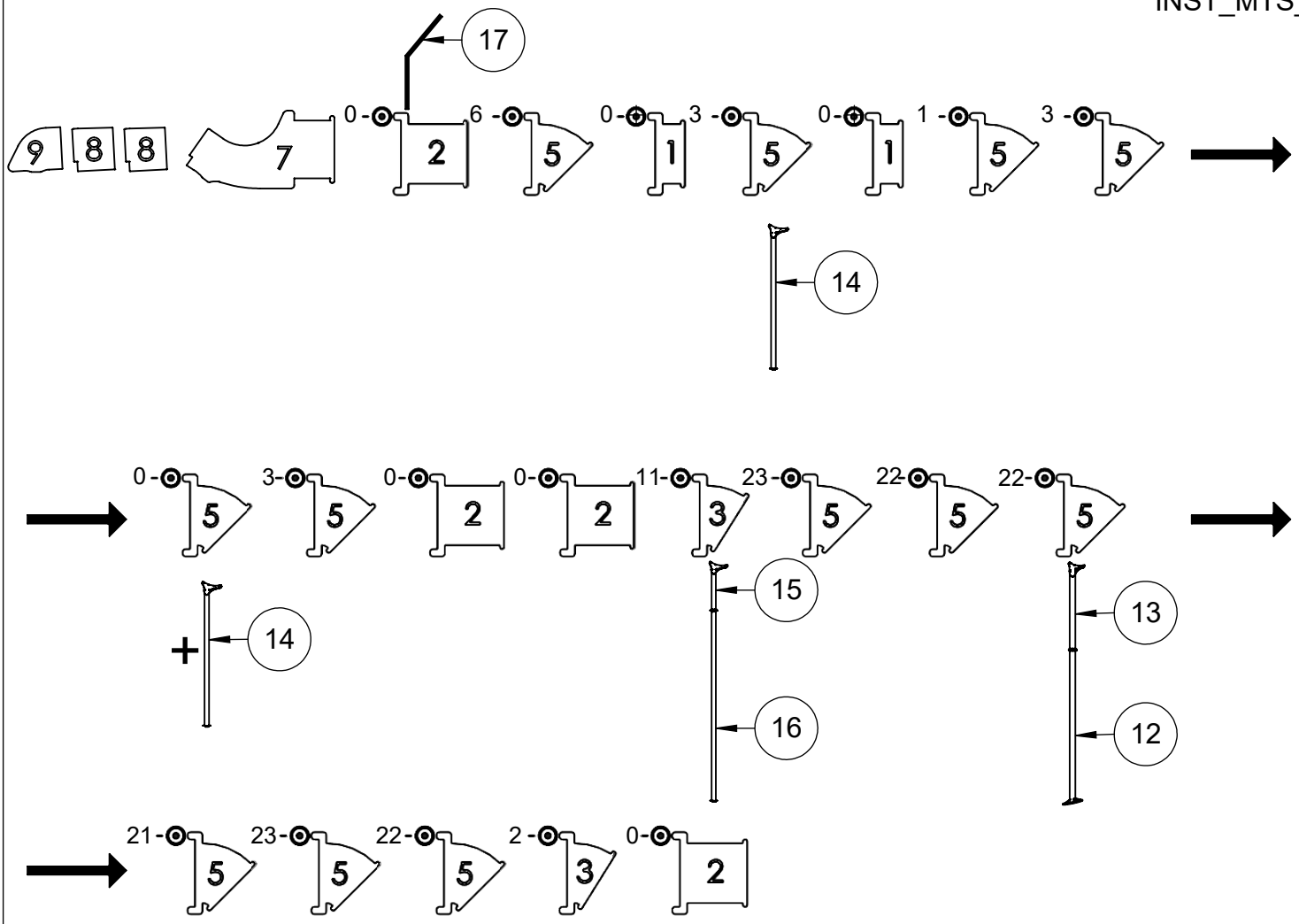
Nr	Element			Σ
209		DIN 933	M8x35 (OC)	10
240		DIN 933	M8x25	4
327		-	MLR133	2
472		DIN 933	M6x25 (OC)	18
531		-	S4_1400_82	16
526		-	KCH	-

MTSK_H600_A5 F40-N (LZ)



1 MTSK_H600_A5 F40-N (LZ)

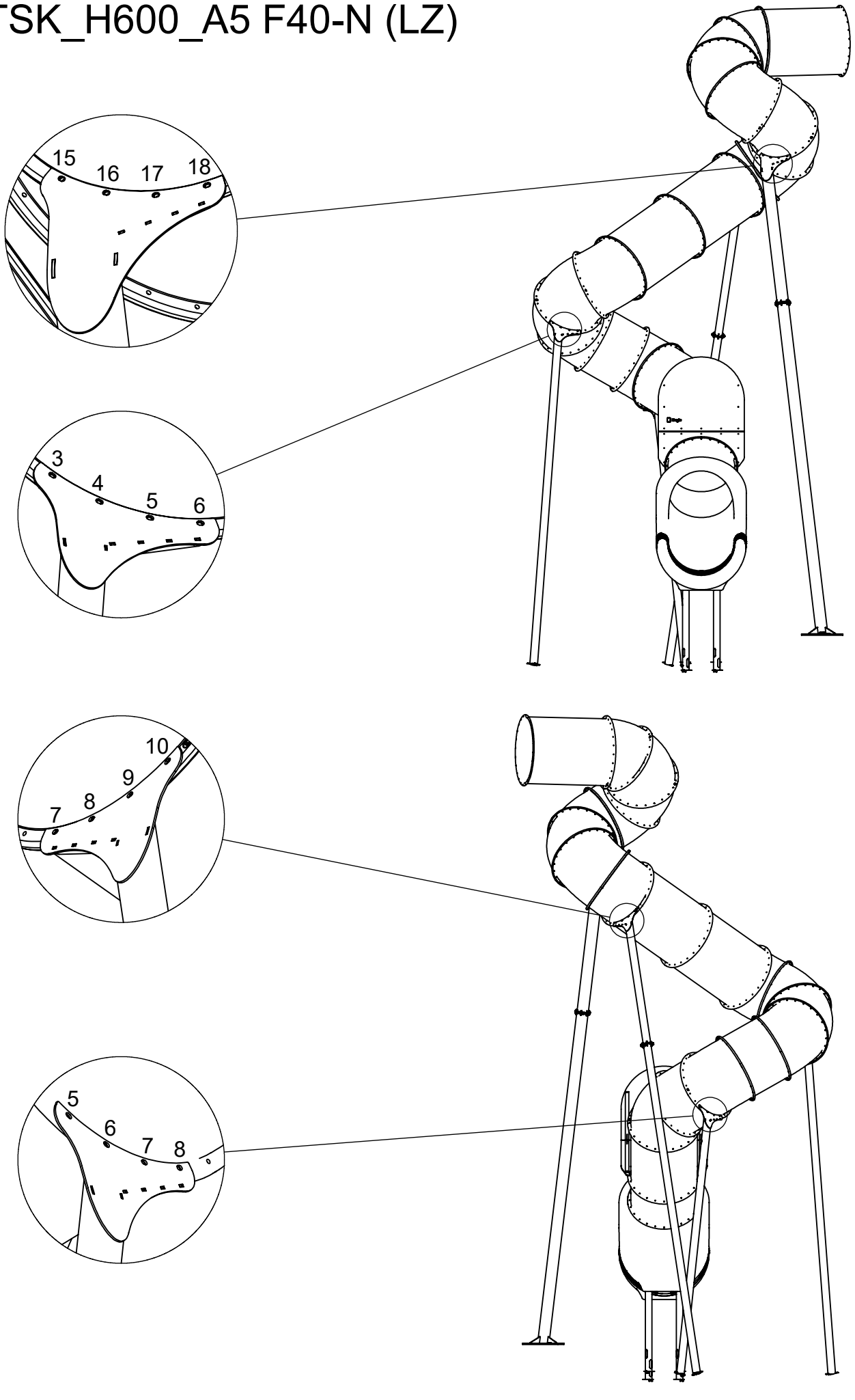
INST_MTS_2
INST_MTS_3
INST_MTS_4
INST_MTS_8



buglo.pl/mts-manual

MANUAL

1 MTSK_H600_A5 F40-N (LZ)



Konserwacja i kontrola urządzenia
Zgodnie z normą PN EN 1176-1:2017-12

Eksploatacja i konserwacja:
Wszelkie czynności konserwacyjne nie opisane w poniższej instrukcji elementów objętych gwarancją należy konsultować z producentem urządzeń.

Powłoki antykorozyjne:
Uszkodzone powłoki malarskie konstrukcji stalowych należy oczyścić z kurzu, pyłu, tłuszczu oraz wszelkich ognisk korozyjnych. W kolejnym etapie pokryć antykorozyjną farbą podkładową do podłoży stalowych. Po wyschnięciu, dwukrotnie pomalować farbą w sprayu.
Zestawienie kolorów BUGLO wg palety RAL:
Szary – RAL 7035, Żółty – RAL 1003, Niebieski – RAL 5015, Czerwony – RAL 3000, Zielony – RAL 6018, Czarny – RAL 9005, Fioletowy – RAL 4008, Grafitowy – RAL 7016, Srebrny – RAL 9006, Beżowy – RAL 1019, Pomarańczowy – RAL 2009, Brązowy – RAL 8017

Drewno:
Elementy wykonane z drewna klejonego wymagają okresowego odnawiania. W zależności od czynników klimatycznych, stopnia eksplantacji i uszkodzeń mechanicznych zaleca się ponowną impregnację po okresie od 2 do 5 lat.
Przed impregnacją elementy drewniane należy zmatowić, a następnie zastosować kolejno:
1) Podkład impregnujący – GORI 356
2) Farba nawierzchniowa – NORDICA EKO 3330 – 12TM1806
Produkty dostępne w sieci dystrybucji Firmy Teknos (www.teknos.com). Sposób użycia wg zaleceń producenta.

Drewno IROKO: konserwować środkiem Owatrol D1.

Stal nierdzewna:
Zaleca się raz w roku czyszczenie elementów ze stali nierdzewnej w celu usunięcia osadów i zanieczyszczeń, których nagromadzenie może spowodować powstanie odbarwień na powierzchni stali.
Myć używając bawełnianej ścierki i rozcieńczonych w wodzie łagodnych detergentów, np. płynu do mycia naczyń.
Po myciu elementy należy spłukać czystą wodą i wytrzeć do sucha.
Uwaga!
Do czyszczenia wyrobów ze stali nierdzewnej nie wolno używać środków, które zawierają takie składniki jak: chlor, sól, kwasy oraz wybielacze. Nawet niewielka zawartość tych składników może spowodować trwałe uszkodzenie powłoki tlenków chromu.

Zalecenia dotyczące kontroli urządzenia zgodnie z normą PN EN 1176-7: 2020-09 Wyposażenie placów zabaw i nawierzchnie część 7: Wytyczne instalowania, kontroli, konserwacji i eksploatacji:

1) Kontrola po instalacji - zalecana przed otwarciem placu zabaw do użytku publicznego, mająca na celu ocenę dostępu do sprzętu i jego otoczenia pod kątem ogólnego poziomu bezpieczeństwa.

2) Kontrola okresowa - zalecana przynajmniej raz w tygodniu lub częściej jeżeli urządzenie jest intensywnie użytkowane lub jest szczególnie narażone na wandalizm.
W ramach kontroli okresowej należy sprawdzić:
- Potencjalne uszkodzenia części urządzenia.
- Dokręcenie mocowań.
- Wykończenie powierzchni zestawu.
- Stan nawierzchni amortyzującej.
- Smarowanie łożysk.
- Kompletność elementów zestawu.
- Występowanie pęknięć, ostrych krawędzi i innych uszkodzeń.
- Czystość wokół urządzenia (szczególne zagrożenie stanowi rozbite szkło) oraz wyrównanie nawierzchni bezpiecznej.
- Występowanie przeszkód w przestrzeni wolnej lub przestrzeni upadku i usunięcie ich w przypadku wystąpienia.
- Ogólny stan bezpieczeństwa placu zabaw.

3) Kontrola funkcjonalna - zalecana raz na trzy miesiące.
Obejmuje zakres kontroli okresowej powiększoną o sprawdzenie funkcjonalności urządzenia.
- W ramach kontroli funkcjonalnej należy dokonać oględzin elementów nierozbieralnych (kompletność zaślepek i maskownic).
- Sprawdzić stabilność słupów.
- Sprawdzić, wyrównać sypką nawierzchnię bezpieczną, a w przypadku gdy jej poziom sięga więcej niż 10cm poniżej oznaczonego poziomu powierzchni zabawy – uzupełnić.
- Sprawdzić stan mocowań i dokręcić śruby.
- Sprawdzić stan napięcia elementów linowych oraz siatek i piramid linowych.
- Sprawdzić stan spawów.
- Wymiana zużytych lub uszkodzonych elementów.

4) Kontrola funkcjonalna i główna - obowiązkowa raz w roku.
Kontrola główna obejmuje:
- Sprawdzenie stateczności konstrukcji.
- Sprawdzenie i rekonstrukcja uszkodzonych powłok antykorozyjnych.
- Sprawdzenie stanu fundamentu.
- Sprawdzenie i wyrównanie sypkiej nawierzchni bezpiecznej. W przypadku, gdy jej poziom sięga więcej niż 10cm poniżej oznaczonego poziomu powierzchni zabawy – uzupełnić.
- Sprawdzenie stanu elementów drewnianych, jeżeli występują.

Urządzenia powinny być kontrolowane przez kompetentne do tego osoby (z potwierdzonym poziomem kompetencji).
Kontrole produktów powinny odbywać się okresowo. Każdorazowo administrator placu zabaw powinien prowadzić zapisy z kontroli w postaci kart kontroli.
Modyfikacje części wyposażenia lub konstrukcji, które mogą mieć wpływ na podstawowe bezpieczeństwo sprzętu, powinny być przeprowadzane tylko po konsultacji z producentem lub kompetentną osobą.
Cały personel zaangażowany w zarządzanie bezpieczeństwem placu zabaw musi posiadać odpowiednie kompetencje.
Pełen zakres wymagań wg normy **PN EN 1176-7: 2020-09.**

Przykładową kartę kontroli placu zabaw zawarto w załacznikau A. 1.

Załącznik A1

Karta kontroli placu zabaw

Administarcja placu zabaw

Kontrolowane produkty (nr produkty, producent)

Harmonogram kontroli			
	Kontrola wykonywana raz w tygodniu lub częściej jeżeli urządzenie jest intensywanie użytkowane (okresowa)	**TAK**	**NIE**
1	Ogólny stan bezpieczeństwa na placu zabaw.		
2	Dokręcenie mocowań, nasmarowanie łożysk, sprawdzenie stanu nawierzchni amortyzującej.		
3	Czy zestaw jest kompletny?		
4	Czy wystepują pęknięcia, ostre krawędzie lub inne uszkodzenia?		
5	Czy teren wokół urzędzenia jest czysty (brak szkła, równa nawierzchnia bezpieczna)?		
6	Czy występują przeszkody w przestrzeni wolnej lub przestrzeni upadku?		

	Kontrola wykonywana raz na trzy miesiące (funkcjonalna)	**TAK**	**NIE**
1	Czy elementy nierozbieralne są kompletne (zaślepki i maskownice są kompletne)?		
2	Czy słupy są stabilne?		
3	Czy nawierzchnia bezpieczna sypka jest równa?		
4	Czy poziom nawierzchni bezpiecznej sięga do oznaczonego poziomu lub jest max. 10cm poniżej tego poziomu?		
5	Czy stan mocowań jest odpowieni?		
6	Czy stań spawów jest odpowiedni?		
7	Czy napięcie lin i siatek jest odpowiednie?		
8	Wymiana zużytych lub uszkodzonych elementów.		

	Kontrola wykonywana raz w roku (funkcjonalna i główna)	**TAK**	**NIE**
1	Czy konstrukcja jest stateczna?		
2	Czy występują uszkodzenia powłok antykorozyjnych?		
3	Czy nawierzchnia bezpieczna sypka jest równa?		
4	Czy stan fundamentów jest odpowiedni?		
5	Czy stan elementów drewnianych jest odpowiedni?		
6	Czy poziom nawierzchni bezpiecznej sięga do oznaczonego poziomu lub jest max. 10cm poniżej tego poziomu?		

Usterki / naprawa	
1	
2	
3	
4	
5	

Wymiana części			
	Nazwa części	**Ilość**	**Powód**
1			
2			
3			

	Data kontroli	**Osoba wykonująca kontrolę**
1		
2		
3		
4		