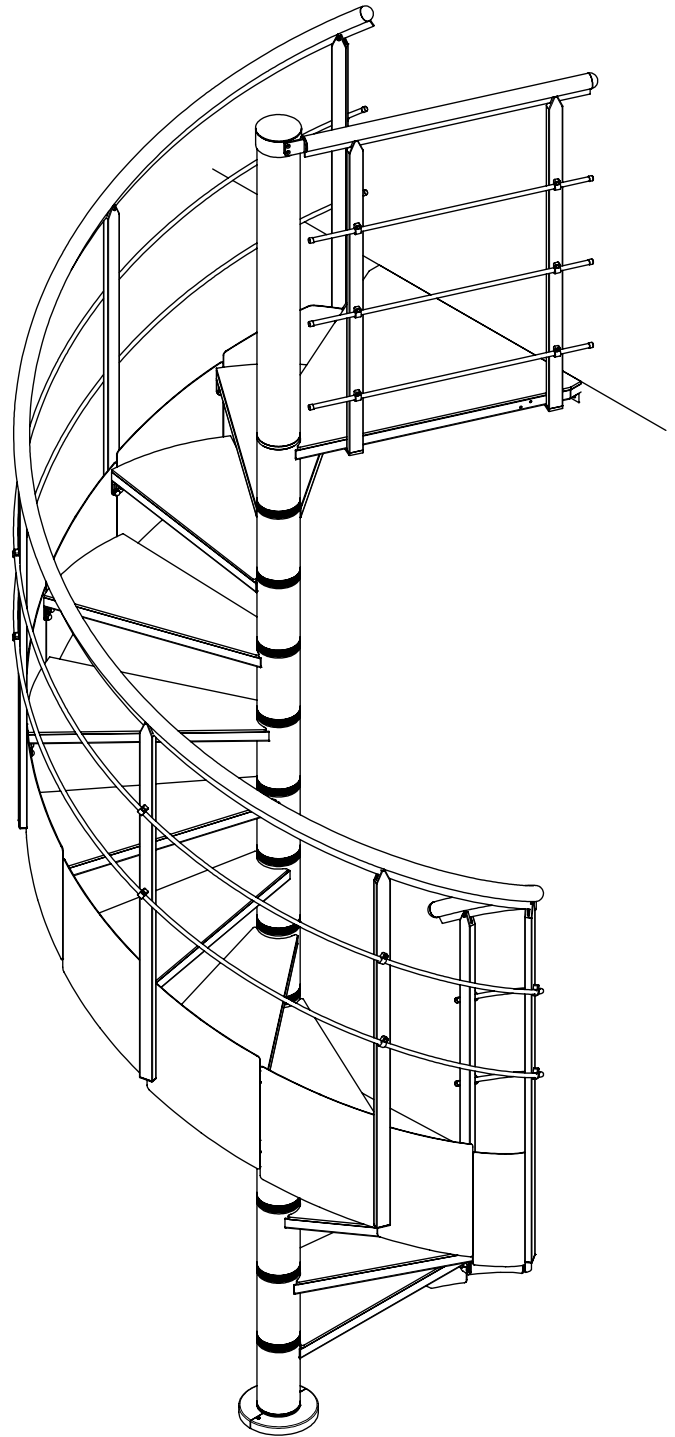
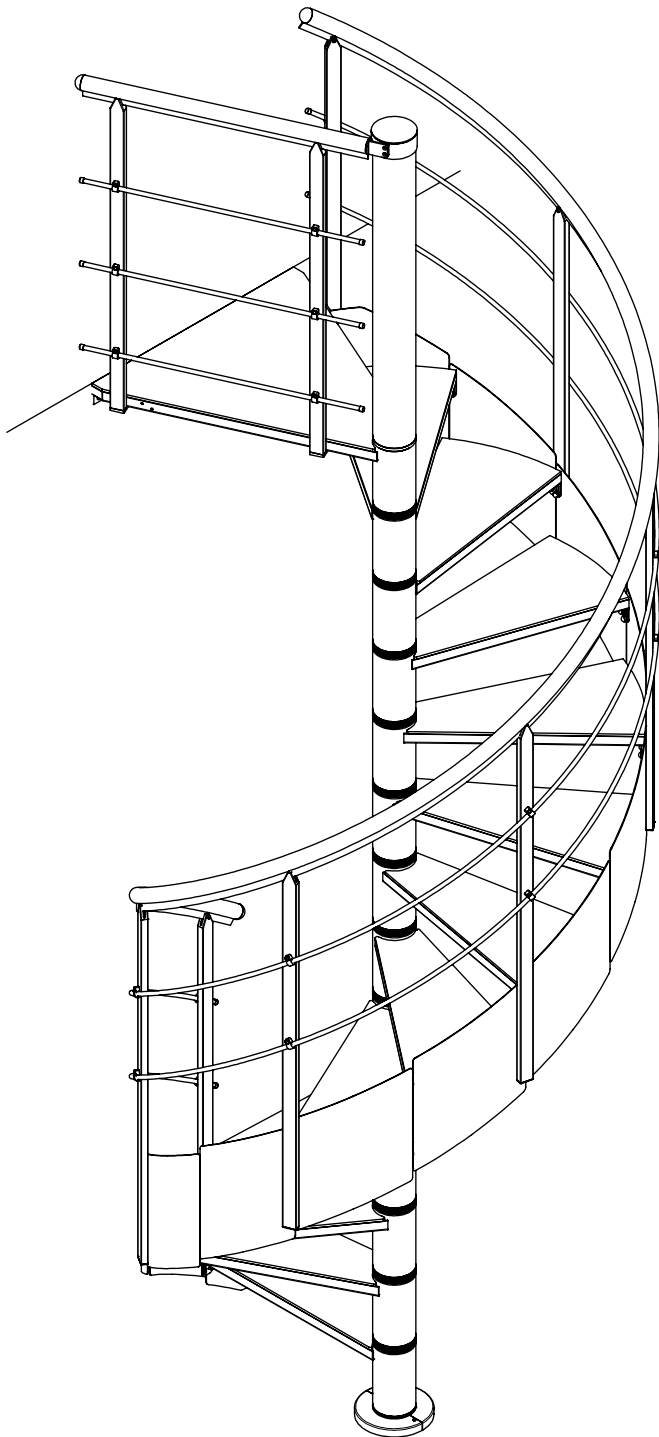




Review these instructions completely before beginning installation.
 Questions - call customer service 855-DOLLE US or 763-452-7492
 - Monday - Friday 8:00-5:00 central time. info@dolleusa.com.
 Metric tools required.

Revise estas instrucciones en su totalidad antes de iniciar la instalación.
 Si tiene alguna pregunta, llame al servicio al cliente al 855-DOLLE desde
 los EE.UU o al 763-746-7830 de lunes a viernes de 8:00 a 5:00, hora
 central de los EE.UU. info@dolleusa.com.
 Se necesitan herramientas métricas.

Local building codes vary. Please consult with your
 local officials for specific requirements.

Las normas de construcción locales pueden variar.
 Póngase en contacto con los técnicos locales para
 conocer los requisitos locales.

Part list • Parte de la lista

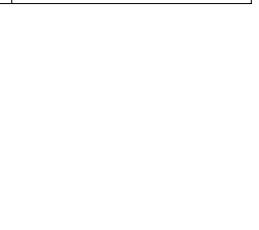
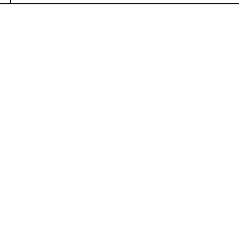
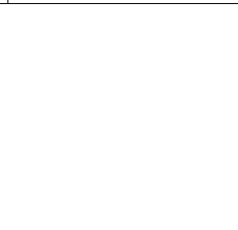
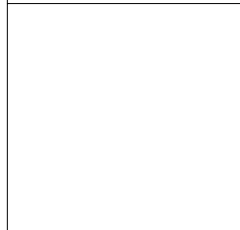
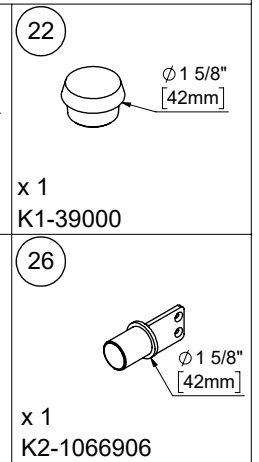
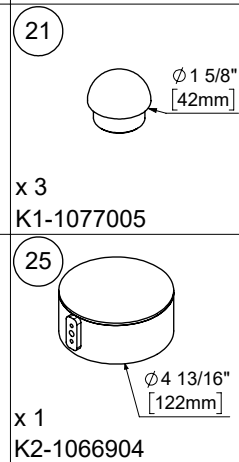
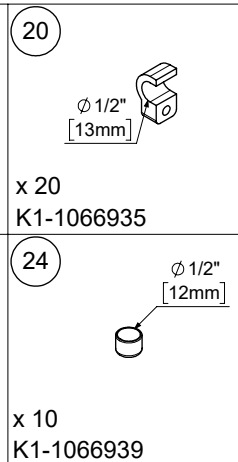
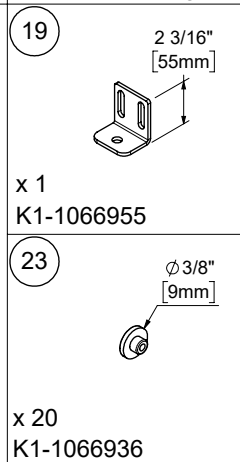
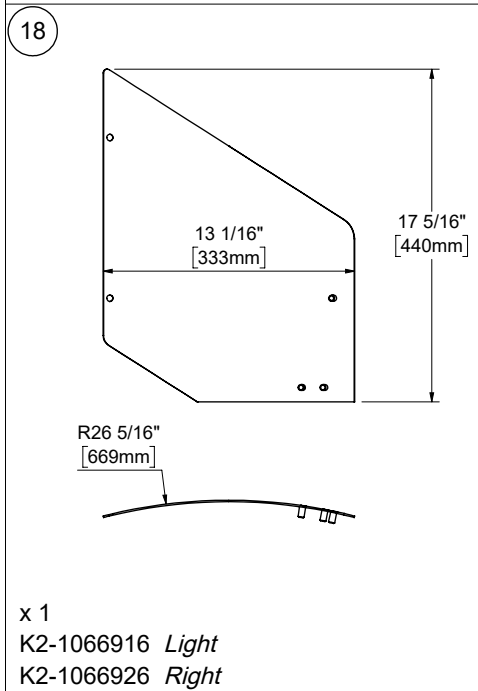
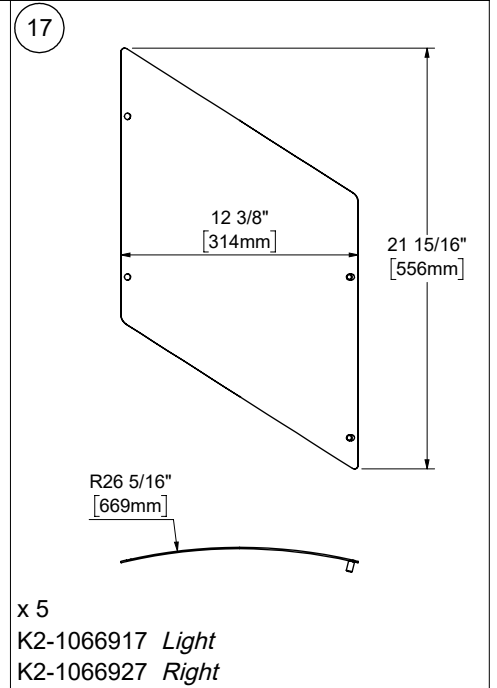
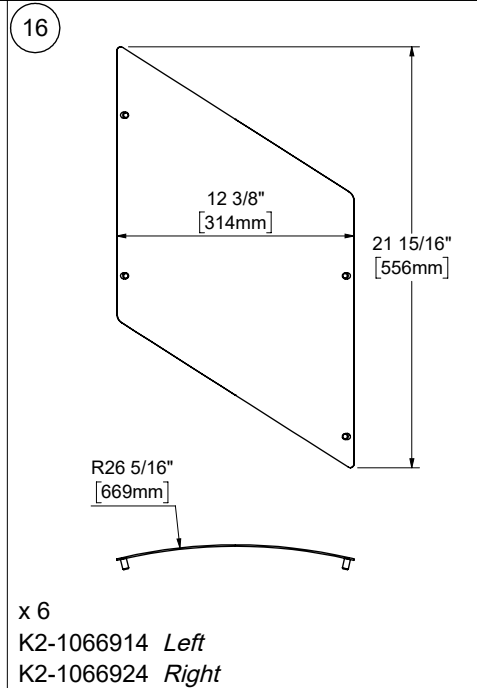
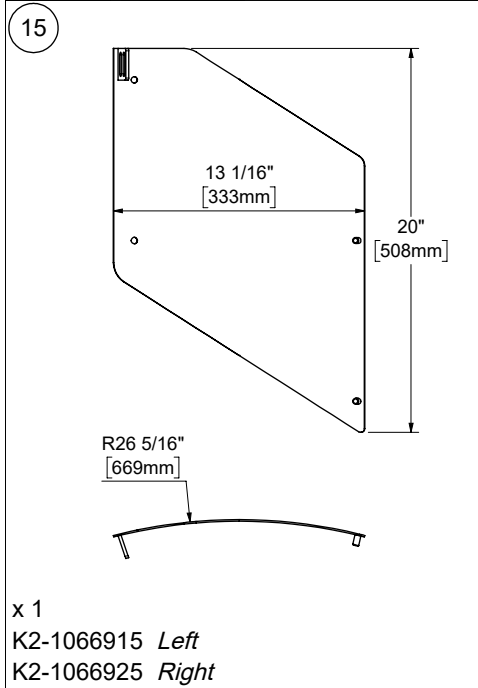
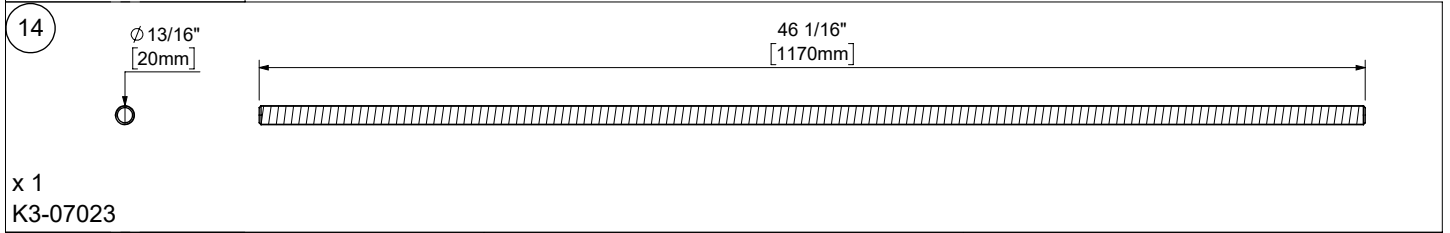
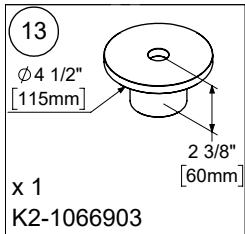
Components & Number of Each Component

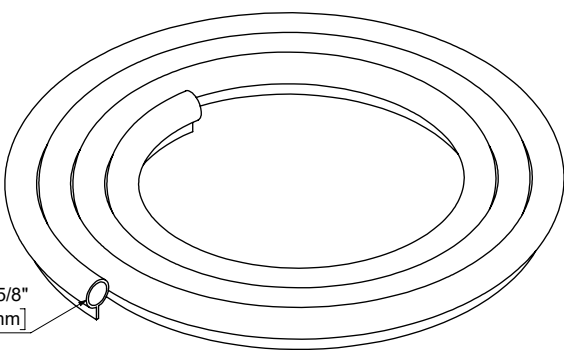
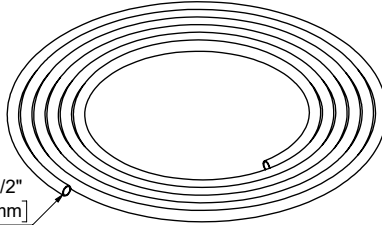
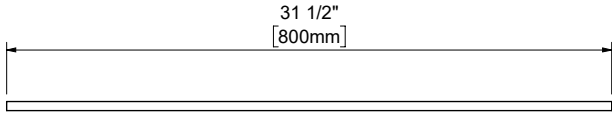
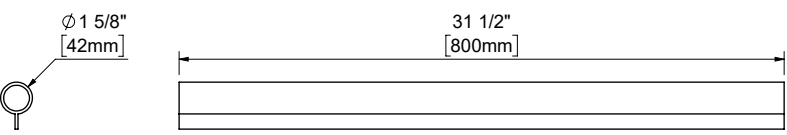
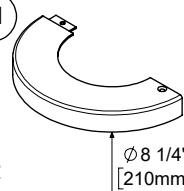
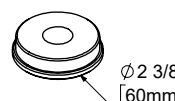
Please check that all items are included before assembly

Componentes y Número de cada componente

Verifique que todos los componentes estén incluidos antes de la entrega

1 $\phi 4\frac{1}{2}"$ [114mm] 26 $\frac{1}{4}"$ [667mm] 13 $\frac{13}{16}"$ [350mm] x 13 K2-1066940	2 R26 $\frac{1}{4}"$ [666mm] 1 $\frac{3}{8}"$ [35mm] 13 $\frac{13}{16}"$ [351mm] x 13 K1-1066993 R K1-1066994 L				
3 $\phi 4\frac{1}{2}"$ [114mm] 29 $\frac{11}{16}"$ [755mm] 29 $\frac{11}{16}"$ [754mm] x 1 K2-1066941 R K2-1066942 L	4 29 $\frac{11}{16}"$ [754mm] 1 $\frac{3}{8}"$ [35mm] 29 $\frac{11}{16}"$ [754mm] x 1 K1-1066995				
5 39 $\frac{7}{8}"$ [1013mm] 2 $\frac{5}{16}"$ [58mm] 1 $\frac{9}{16}"$ [40mm] x 2 K2-1066930	6 45 $\frac{3}{8}"$ [1152mm] 13/16" [20mm] 1 $\frac{9}{16}"$ [40mm] x 7 K2-1066932	7 $\phi 2\frac{3}{8}"$ [60mm] 35 $\frac{13}{16}"$ [910mm] $\phi 7\frac{7}{8}"$ [200mm] x 1 K2-71010	8 $\phi 2\frac{3}{8}"$ [60mm] 55 $\frac{1}{2}"$ [1410mm] x 1 K2-71014	9 $\phi 4\frac{1}{2}"$ [114mm] 39" [990mm] x 1 K2-1066902	10 1 $\frac{9}{16}"$ [40mm] x 4 K1-1066952 11 $\frac{3}{16}"$ [5mm] $\phi 4\frac{1}{2}"$ [115mm] x 70 K1-1066909 12 $\phi 2\frac{3}{8}"$ [60mm] 29 $\frac{1}{2}"$ [750mm] x 1 K2-1066964



27  x 1 K1-1066959 19'-8 1/4" [6000mm]	28  x 2 K1-1066938 19'-8 1/4" [6000mm] ϕ 1/2" [12mm] 29  x 3 K1-1066937 31 1/2" [800mm] ϕ 1/2" [12mm]				
30  x 1 K1-1066958 ϕ 1 5/8" [42mm] 31 1/2" [800mm]	31  x 2 K2-1066901 ϕ 8 1/4" [210mm] 32  x 1 K1-1066965 ϕ 2 3/8" [60mm]				
40  x 100 K3-10355 ϕ 6 x 35mm - Torx 30	41  x 4 K3-02034 M6 x 12mm	42  x 4 K3-10403 ϕ 6 x 40mm - Torx 25	43  x 8 K3-08004 ϕ 10 x 60mm	45  x 8 K3-06015 ϕ 8 x 70mm	
46  x 58 K3-10402 ϕ 8mm RAL 9005	47  x 58 K1-01014 1/2" [13mm]	48  x 53 K3-03028 M8mm	49  x 2 K3-10432 M6mm RAL 9005	50  x 2 K3-10408 M6 x 16mm	51  x 14 K1-1066934 M8 x 35mm
52  x 7 K3-10436 M6 x 16mm RAL 9005	53  x 20 K3-02016 M5 x 12mm	54  x 2 K3-10484 M5 x 12mm RAL 9005	55  x 2 K3-04020 ϕ 20mm	56  x 2 K3-03024 M20mm	57  x 1 K3-05003 M8 x 6mm
58  x 2 K3-10441 M4 x 10mm RAL 9005	69  x 1 R1-63272 ϕ 6 x 25mm				

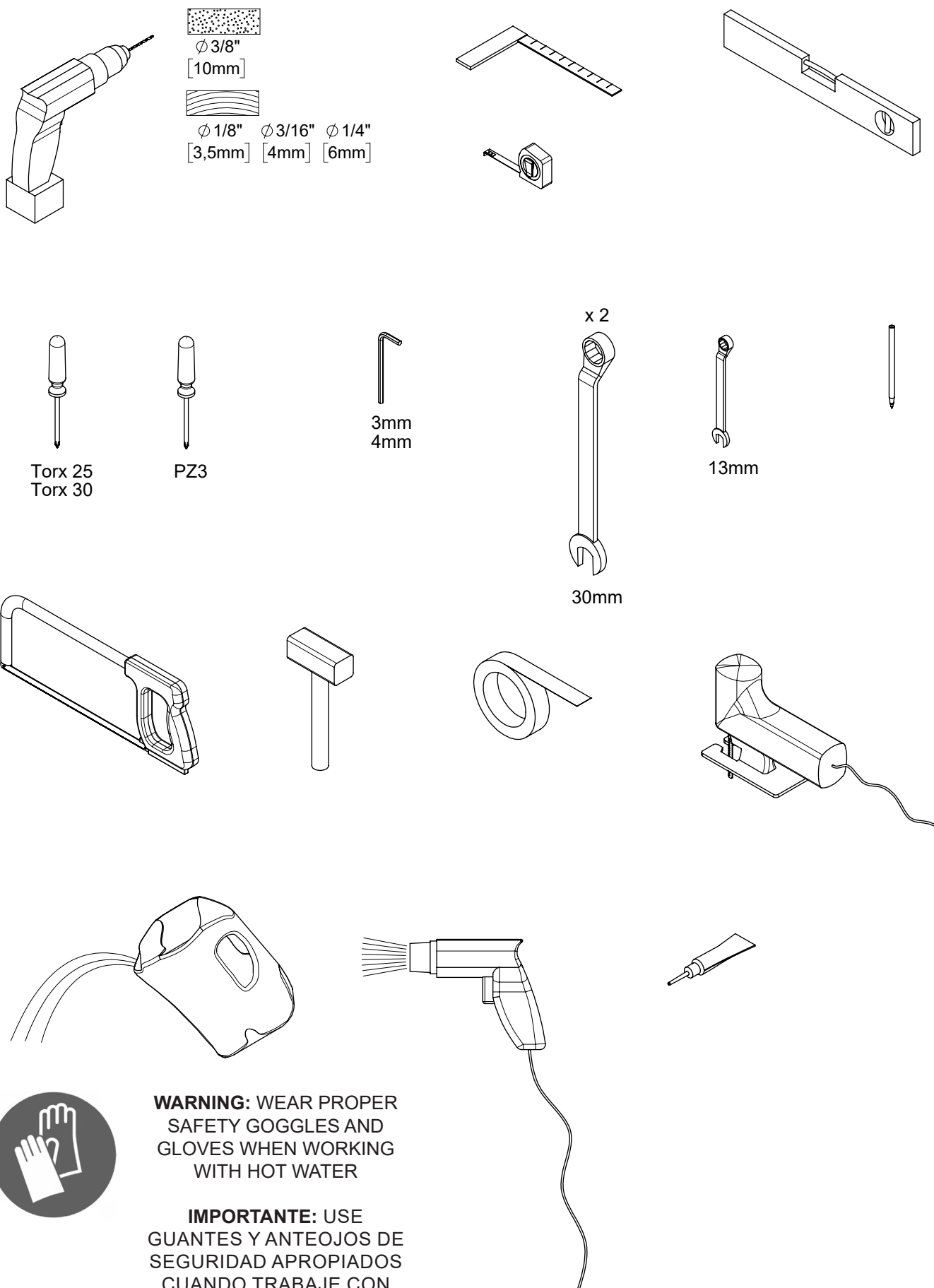
IMPORTANT: DO NOT USE PARTS OTHER THAN THOSE INCLUDED WITH THE PRODUCT. REPLACEMENT PARTS PURCHASED LOCALLY MUST BE METRIC. IN CASE PARTS HAVE BEEN LOST OR DAMAGED CONTACT DOLLE USA INC. FOR REPLACEMENT.

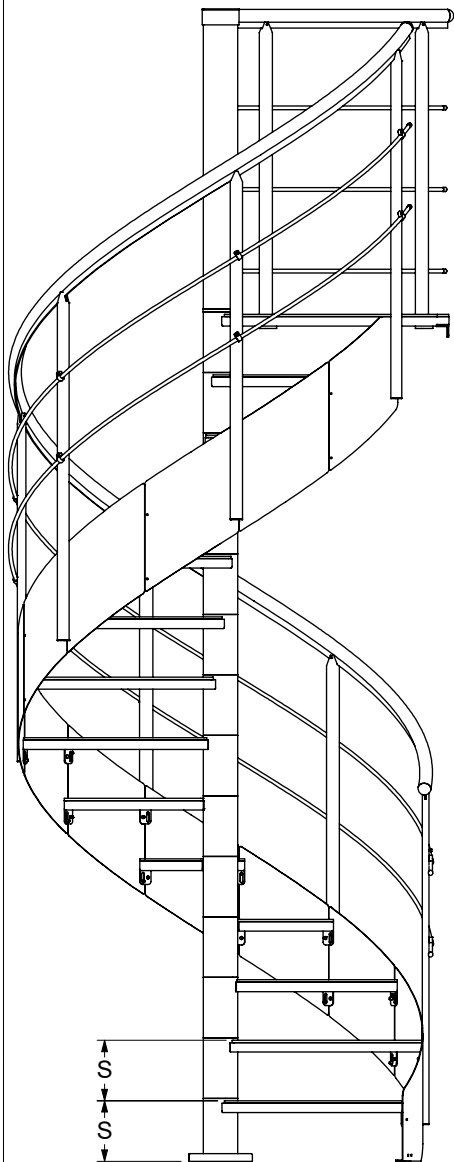
IMPORTANTE: NO UTILICE PIEZAS DIFERENTES DE LAS SUMINISTRADAS CON EL PRODUCTO. LAS PIEZAS DE RECAMBIO ADQUIRIDAS POR SEPARADO DEBEN SER MÉTRICAS. EN CASO DE PÉRDIDA DE PIEZAS O DE PIEZAS DAÑADAS, PÓNGASE EN CONTACTO CON DOLLE USA INC.

Tools required • Herramientas necesarias

Metric tools required for installation • Herramientas métricas necesarias para la instalación

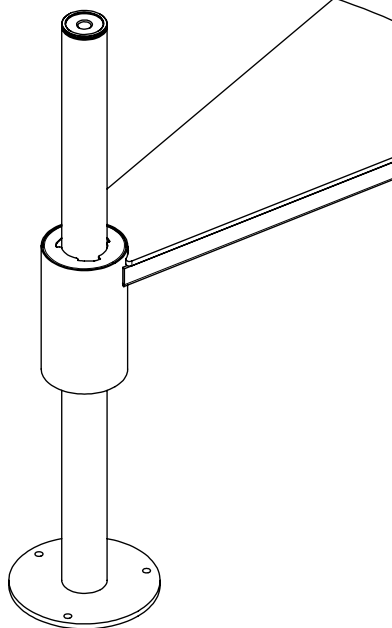
NOT SUPPLIED • NO SUMINISTRADAS



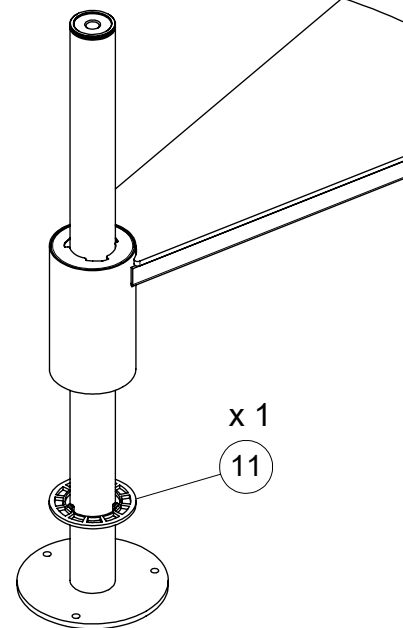


S =
min 7 7/8" [200mm]
max 8 7/8" [225mm]

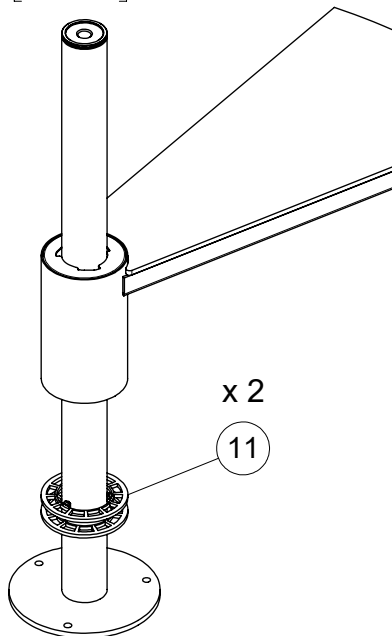
7 7/8" [200mm]



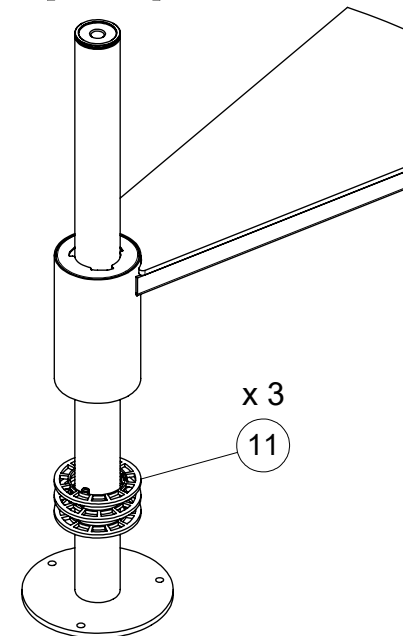
8 1/16" [205mm]



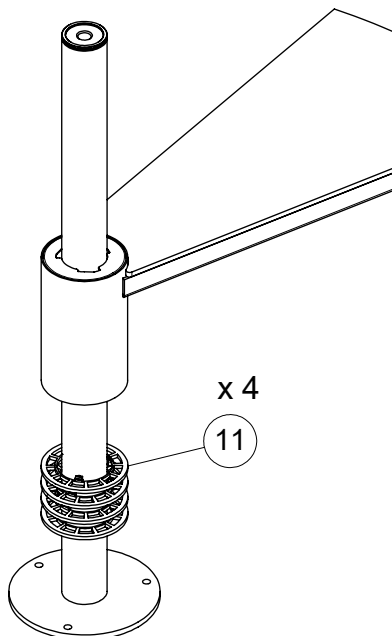
8 1/4" [210mm]



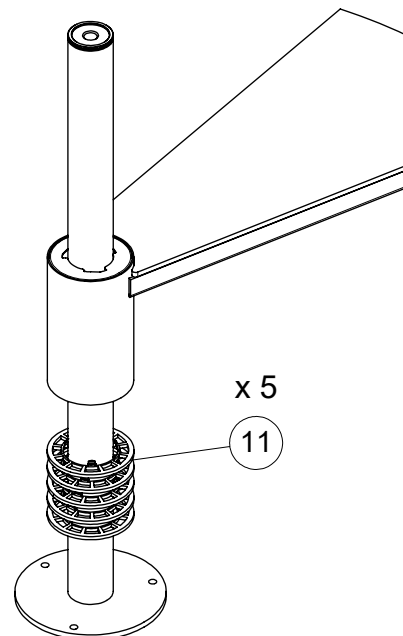
8 7/16" [215mm]



8 11/16" [220mm]

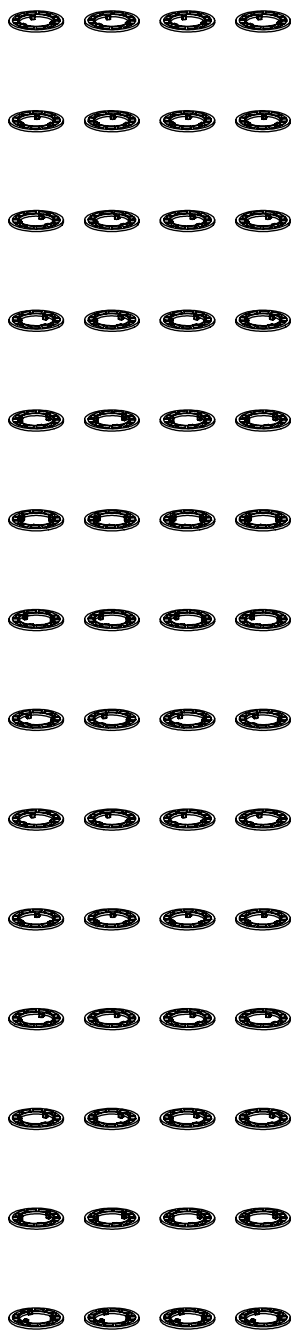


8 7/8" [225mm]





N
0 - 5 pcs



N x S

P
+1 pcs

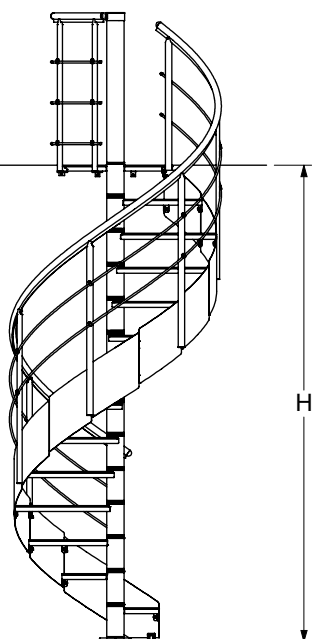
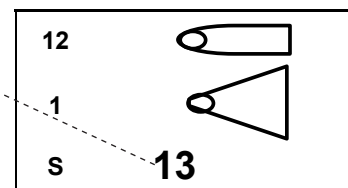
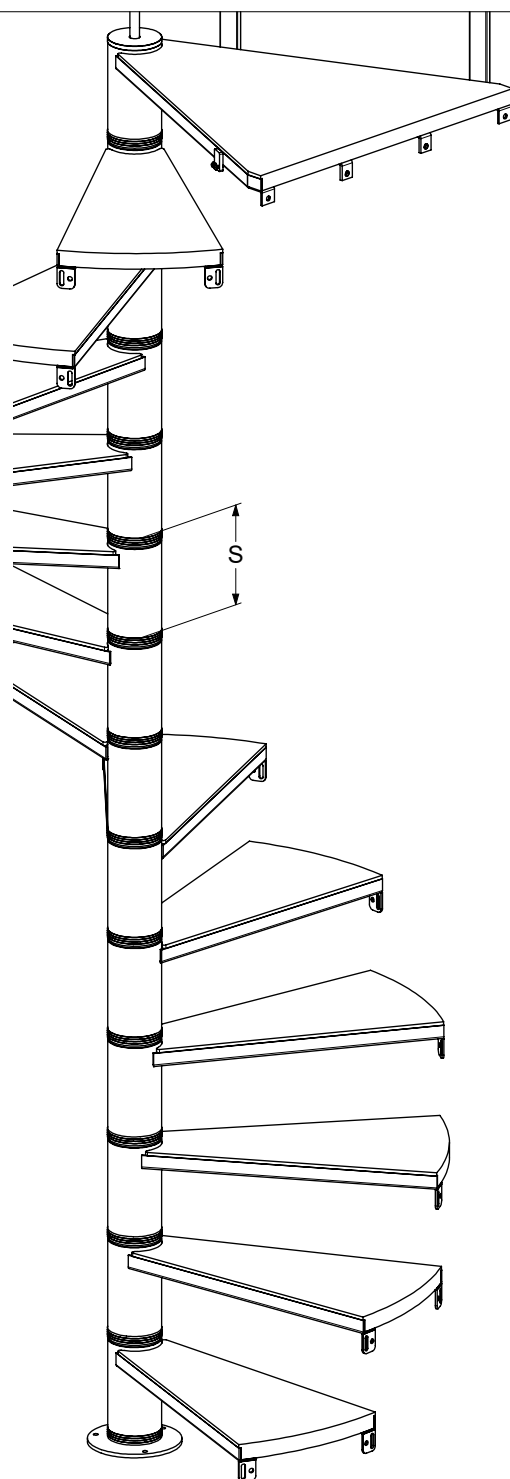


P

4 pcs x 13
= 52 pcs

+ 5 pcs

112 13/16	2865	4	1
113	2870	4	2
113 3/16	2875	4	3
113 3/8	2880	4	4
113 9/16	2885	4	5
113 3/4	2890	4	6
114	2895	4	7
114 3/16	2900	4	8
114 3/8	2905	4	9



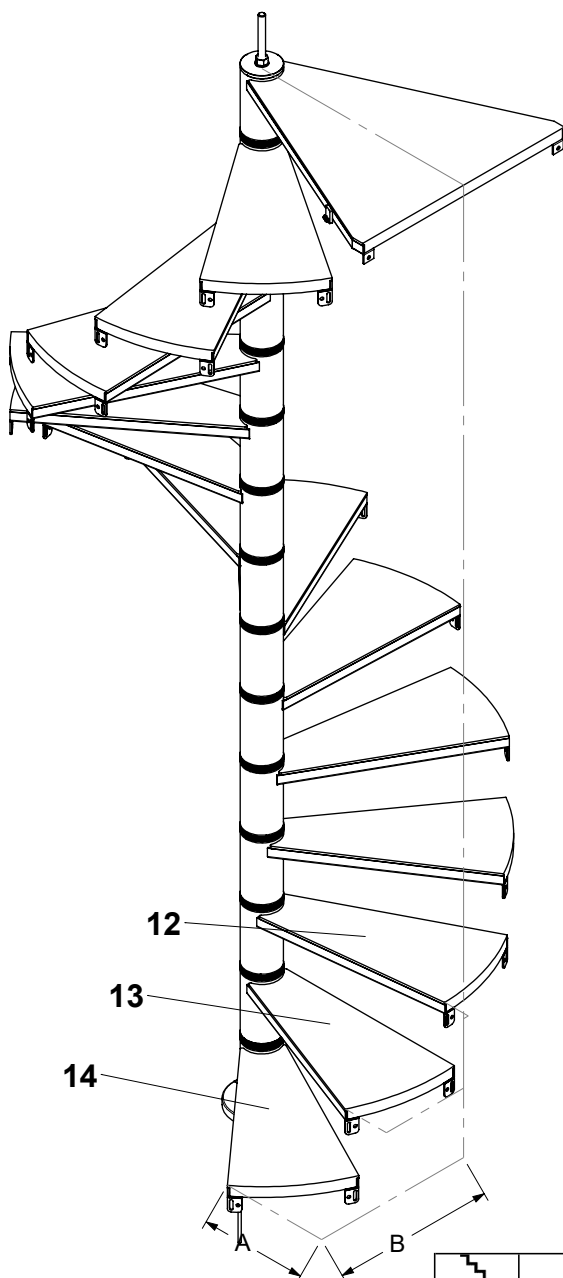
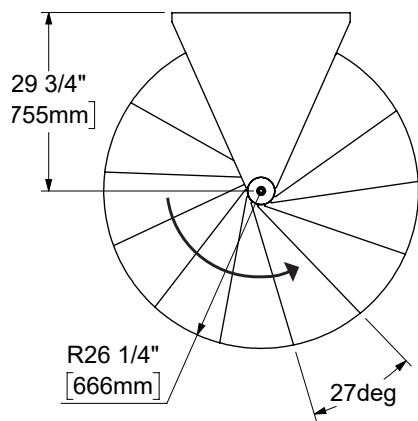
H

11 1 S 12 								12 1 S 13 								13 1 S 14 							
H	N	P		H	N	P		H	N	P		H	N	P		H	N	P		H	N	P	
in	mm	pcs	pcs	in	mm	pcs	pcs	in	mm	pcs	pcs	in	mm	pcs	pcs	in	mm	pcs	pcs	in	mm	pcs	pcs
94 1/2	2400	0	0	102 3/8	2600	3	4	102 3/8	2600	0	0	110 1/4	2800	3	1	110 1/4	2800	0	0	118 11/16	3015	3	1
94 11/16	2405	0	1	102 9/16	2605	3	5	102 9/16	2605	0	1	110 7/16	2805	3	2	110 7/16	2805	0	1	118 7/8	3020	3	2
94 7/8	2410	0	2	102 3/4	2610	3	6	102 3/4	2610	0	2	110 5/8	2810	3	3	110 3/4	2810	0	2	119 1/8	3025	3	3
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95 1/4	2420	0	4	103 1/8	2620	3	8	103 1/8	2620	0	4	111	2820	3	5	111	2820	0	4	119 1/2	3035	3	5
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97 7/16	2475	1	3	105 5/16	2675	4	7	105 5/16	2675	1	2	113 3/16	2875	4	3	113 3/16	2875	1	1	121 5/8	3090	4	2
97 5/8	2480	1	4	105 1/2	2680	4	8	105 1/2	2680	1	3	113 3/8	2880	4	4	113 3/8	2880	1	2	121 7/8	3095	4	3
97 13/16	2485	1	5	105 11/16	2685	4	9	105 11/16	2685	1	4	113 9/16	2885	4	5	113 9/16	2885	1	3	122 1/16	3100	4	4
98 1/16	2490	1	6	105 7/8	2690	4	10	105 7/8	2690	1	5	113 3/4	2890	4	6	113 3/4	2890	1	4	122 1/4	3105	4	5
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98 5/8	2505	1	9					106 1/2	2705	1	8	114 3/8	2905	4	9	114 3/8	2905	1	7	122 13/16	3120	4	8
98 13/16	2510	1	10					106 11/16	2710	1	9	114 9/16	2910	4	10	114 9/16	2910	1	8	123 1/16	3125	4	9
99	2515	1	11					106 7/8	2715	1	10	114 3/4	2915	4	11	114 3/4	2915	1	9	123 1/4	3130	4	10
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99 7/16	2525	2	1					107 5/16	2725	1	12	115 3/16	2925	5	0	115 3/16	2925	1	11	123 5/8	3140	4	12
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100 3/16	2545	2	5					108 1/16	2745	2	3					115 15/16	2945	2	1				
100 3/8	2550	2	6					108 1/4	2750	2	4					116 1/8	2950	2	2				
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101	2565	2	9					108 7/8	2765	2	7					116 3/4	2965	2	5				
101 3/16	2570	2	10					109 1/16	2770	2	8					116 15/16	2970	2	6				
101 3/8	2575	2	11					109 1/4	2775	2	9					117 1/8	2975	2	7				
101 9/16	2580	3	0					109 7/16	2780	2	10					117 5/16	2980	2	8				
101 3/4	2585	3	1					109 5/8	2785	2	11					117 1/2	2985	2	9				
101 15/16	2590	3	2					109 13/16	2790	2	12					117 11/16	2990	2	10				
102 3/16	2595	3	3					110 1/16	2795	3	0					117 15/16	2995	2	11				
																118 1/8	3000	2	12				
																118 5/16	3005	2	13				
																118 1/2	3010	3	0				



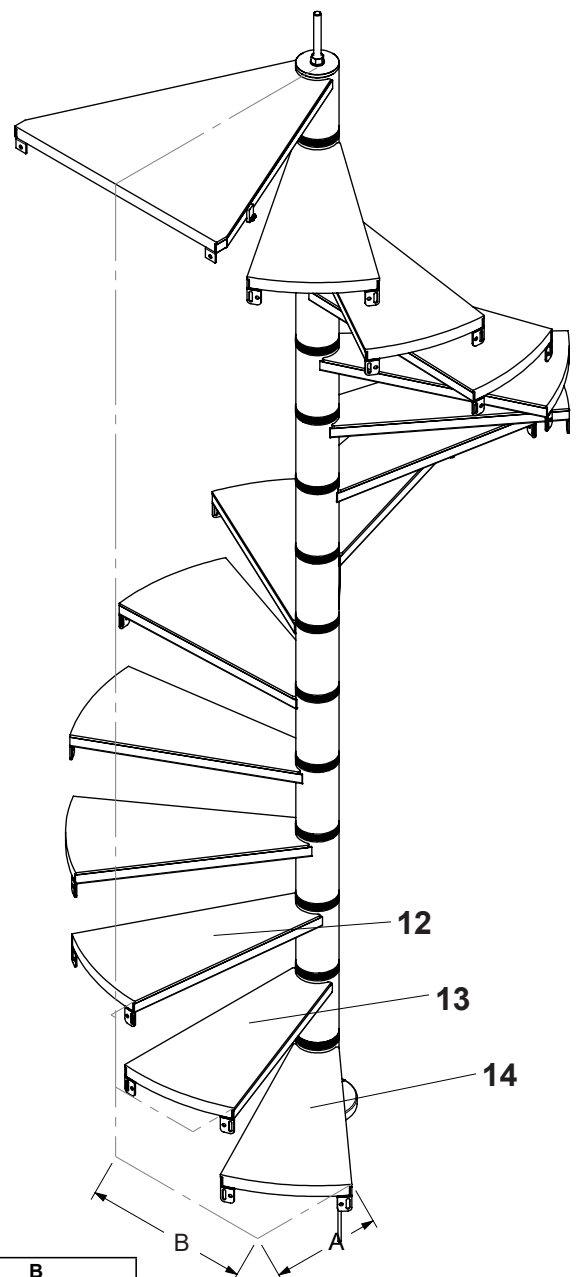
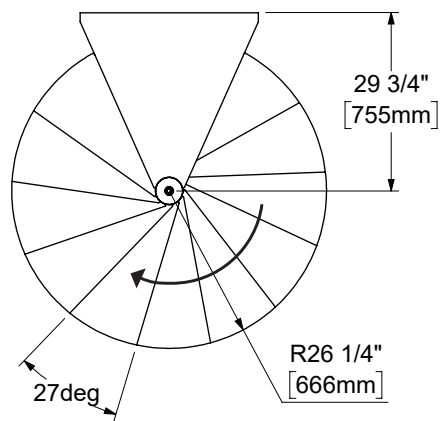
L

Left turn staircase
Escalera a la izquierda



R

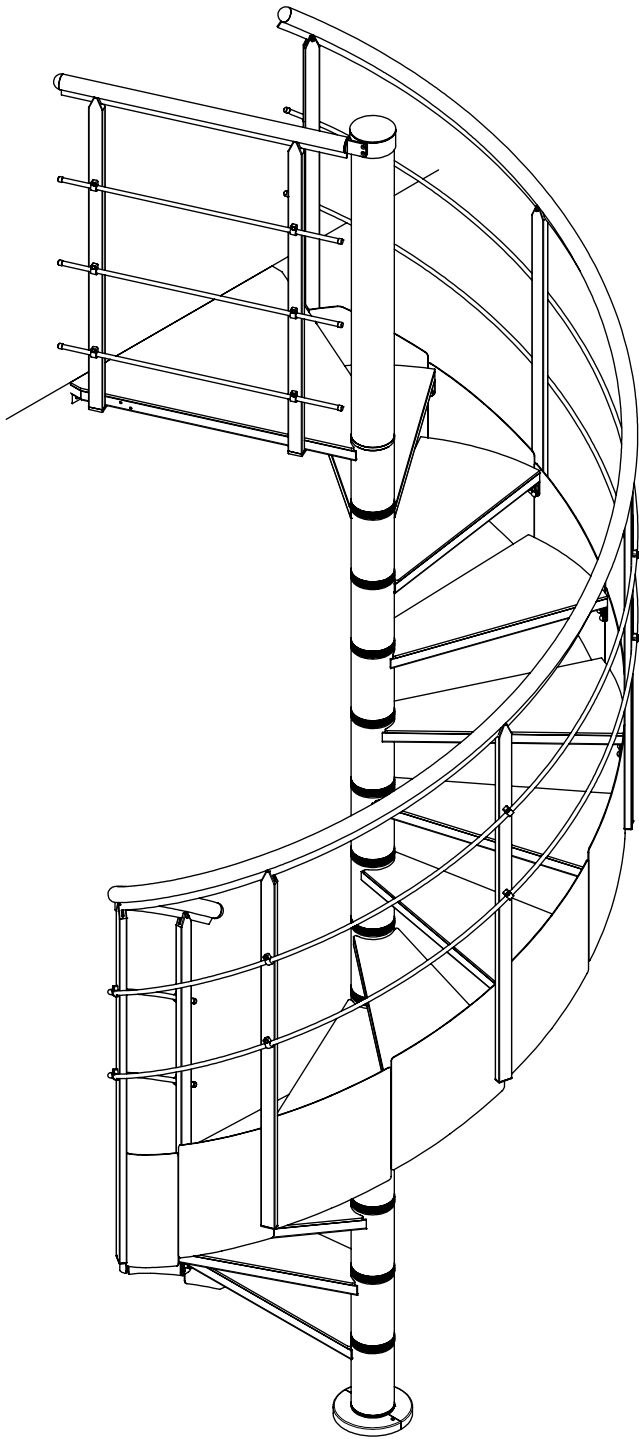
Right turn staircase
Escalera a la derecha



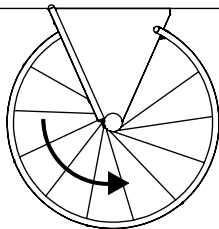
	A		B	
	in	mm	in	mm
12	3 1/2	88	- 11/16	-18
13	6 1/16	154	11 1/4	289
14	13 3/4	352	20 15/16	531



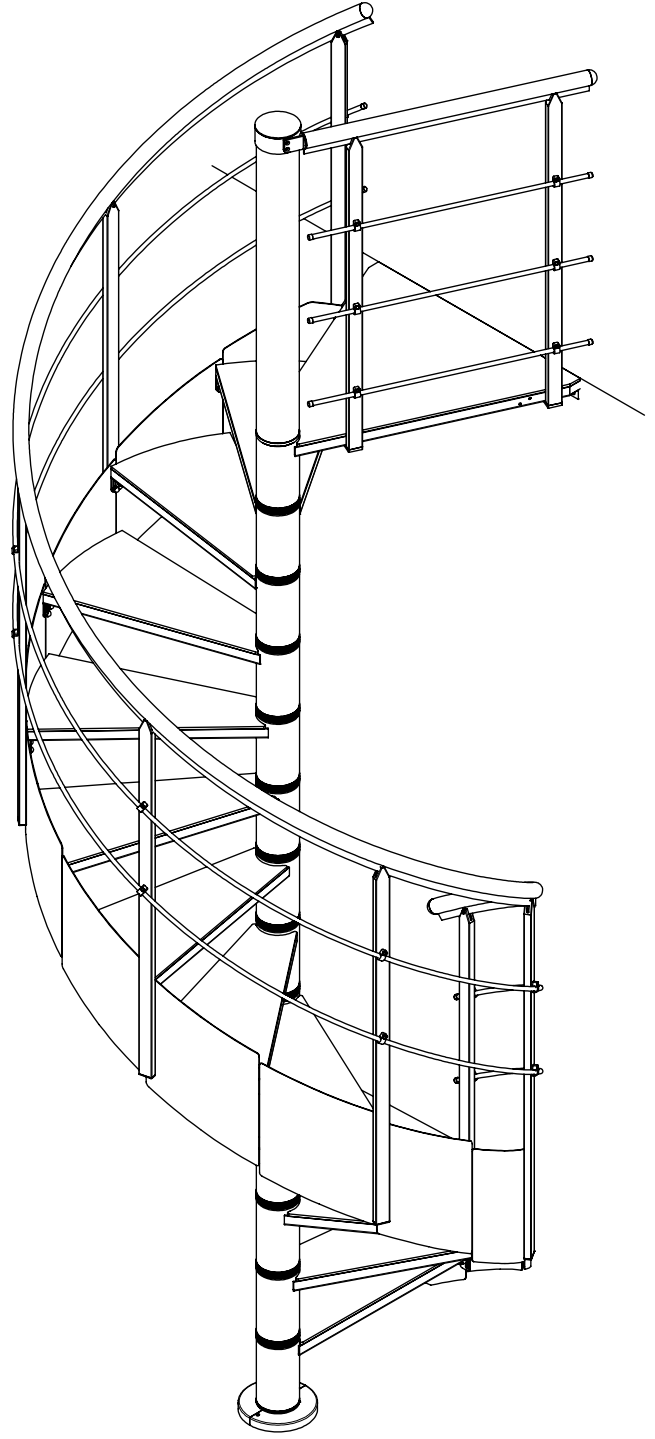
L



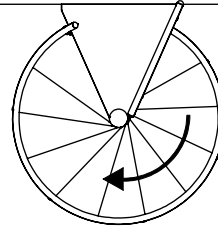
Left turn staircase
Escalera a la izquierda

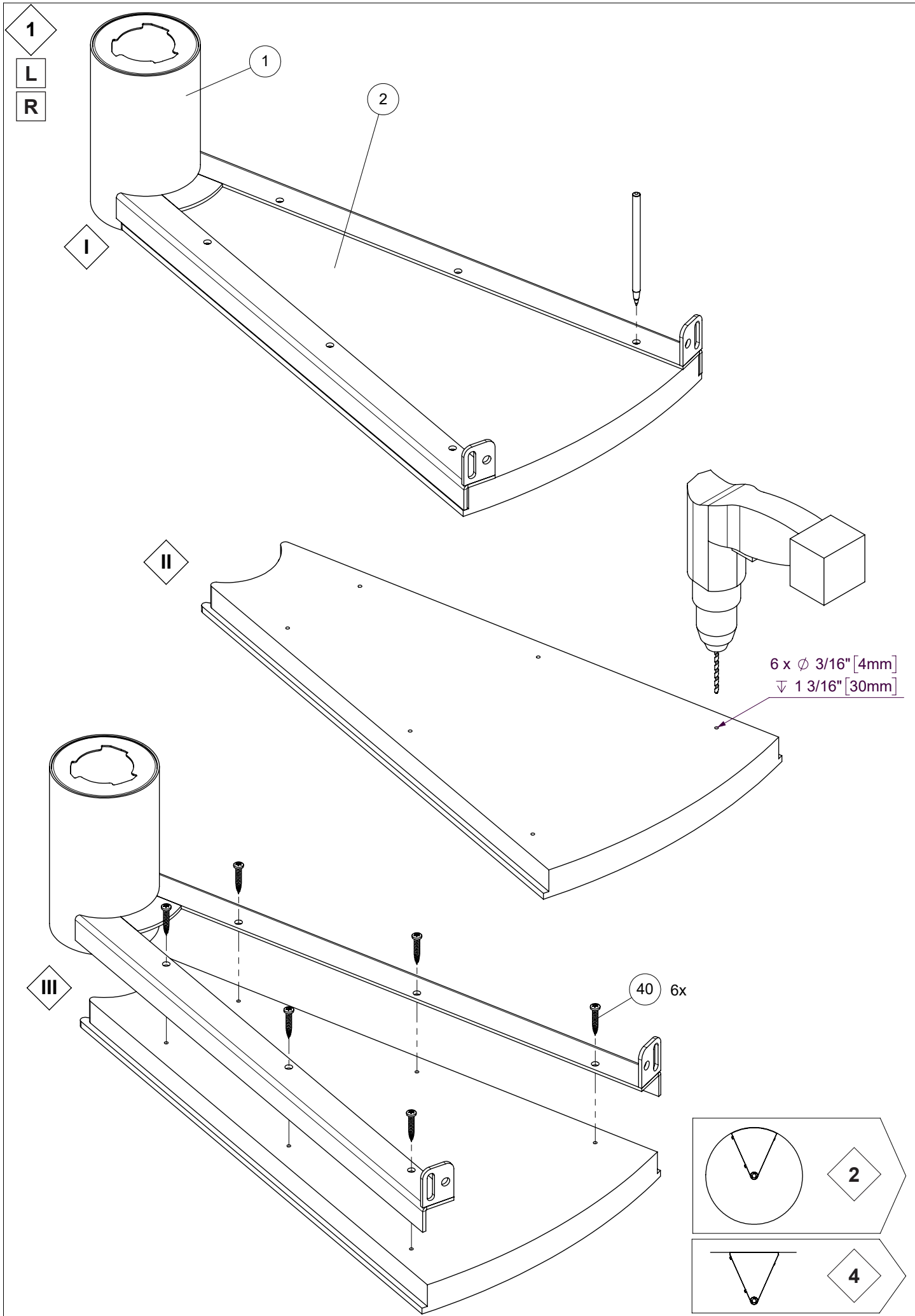


R

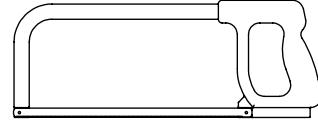
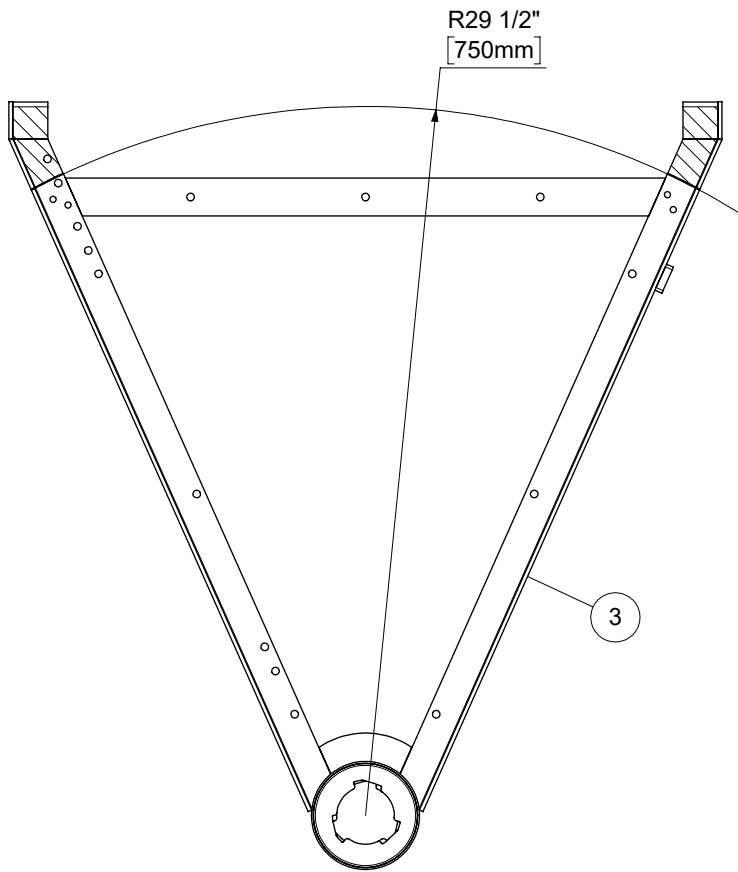
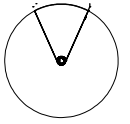


Right turn staircase
Escalera a la derecha

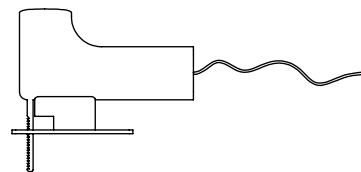
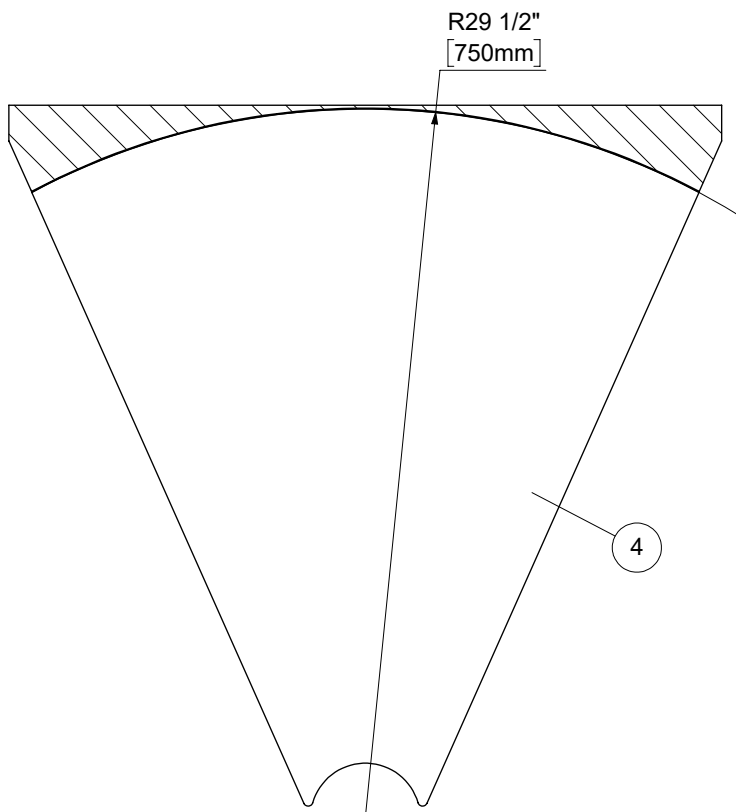
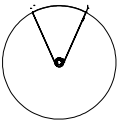




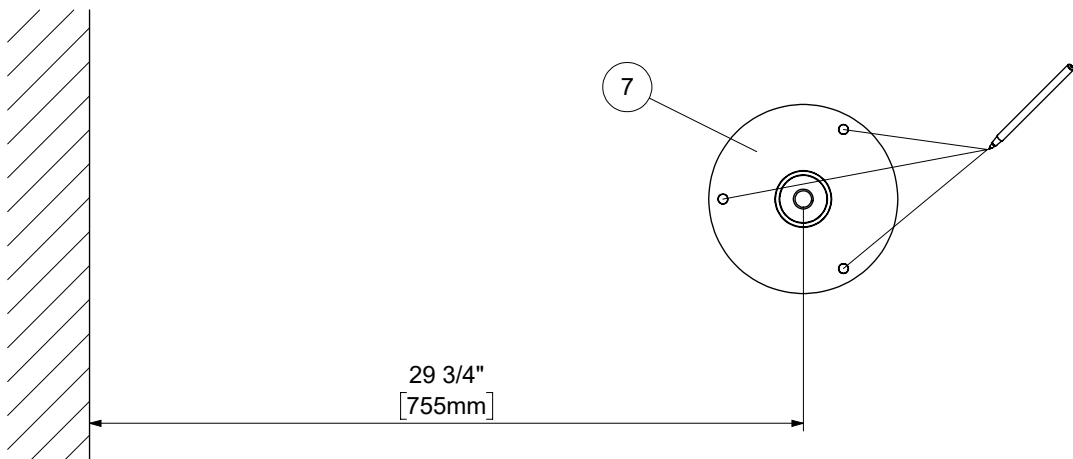
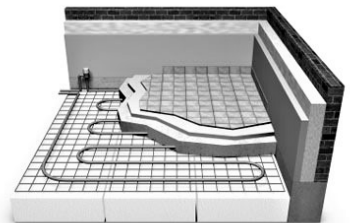
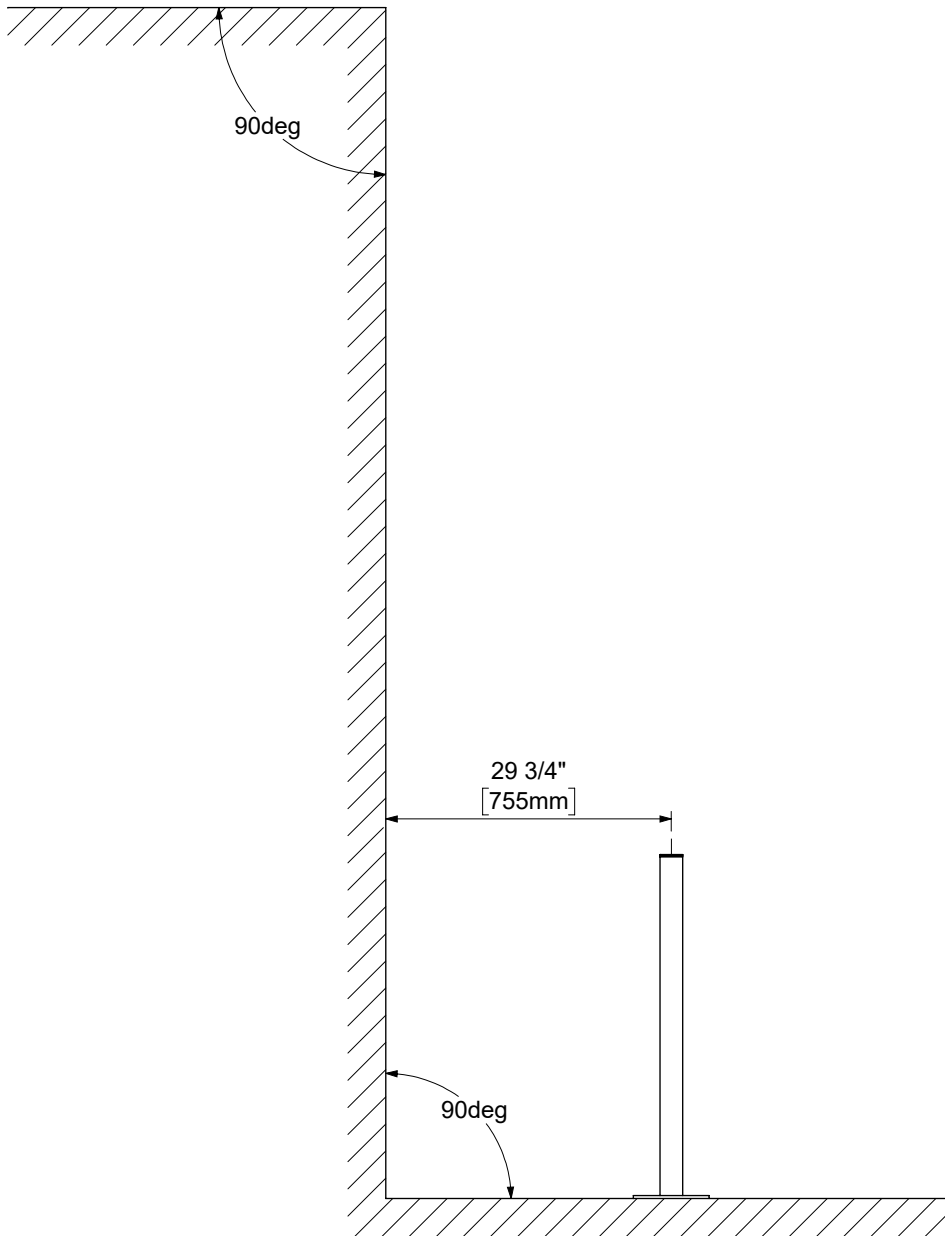
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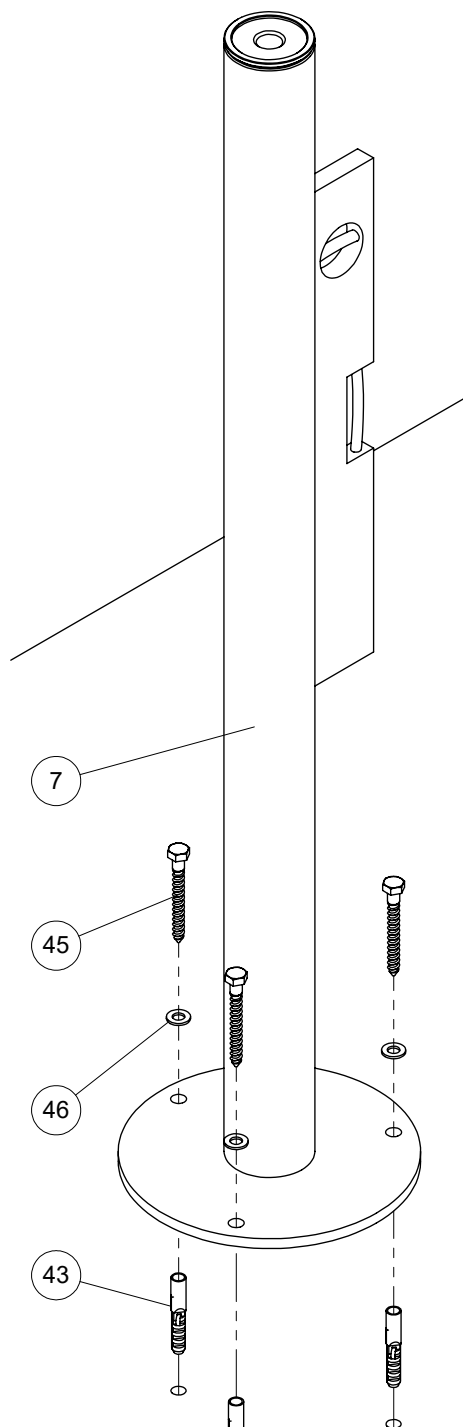
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4

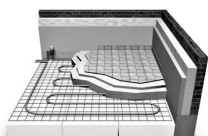


5

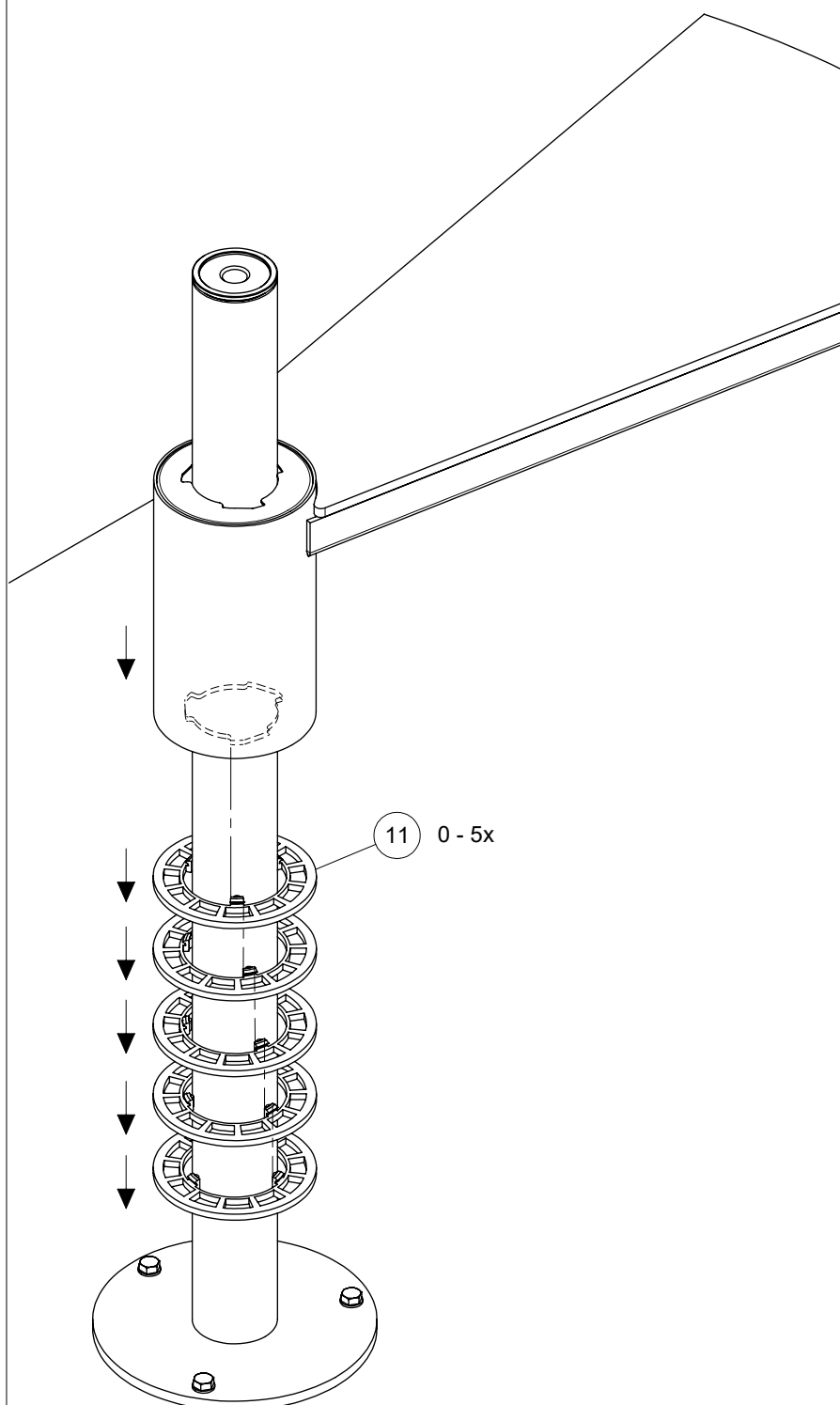


3 x $\varnothing$ 3/8" [10mm]
 ∇ 2 3/4" [70mm]

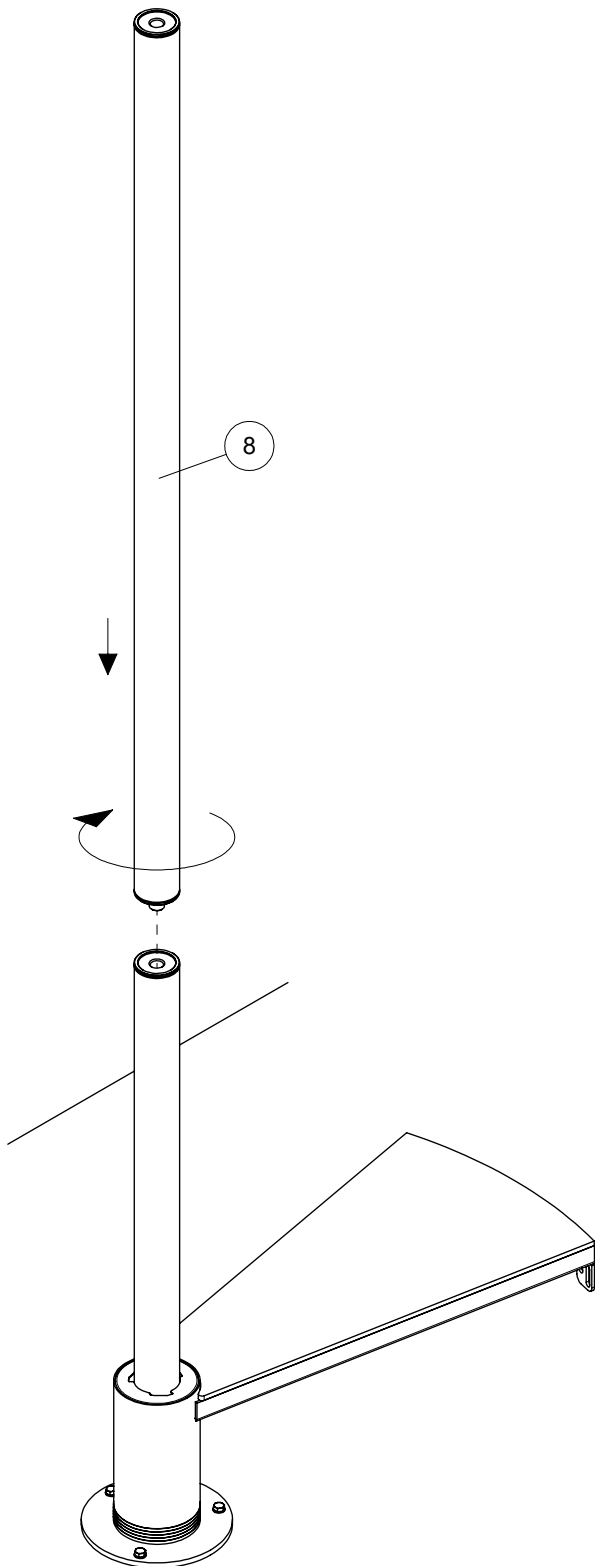
3 x $\varnothing$ 1/4" [6mm]
 ∇ 2 3/4" [70mm]



6



7

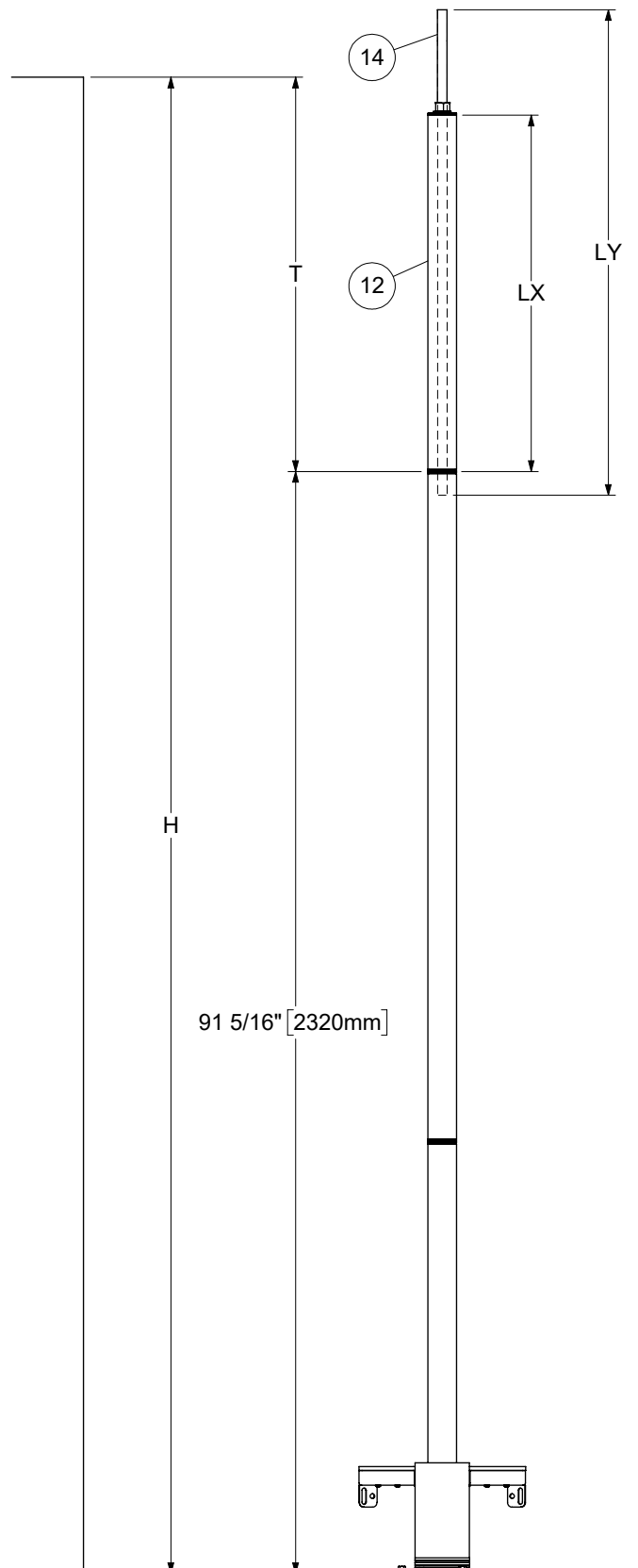


8

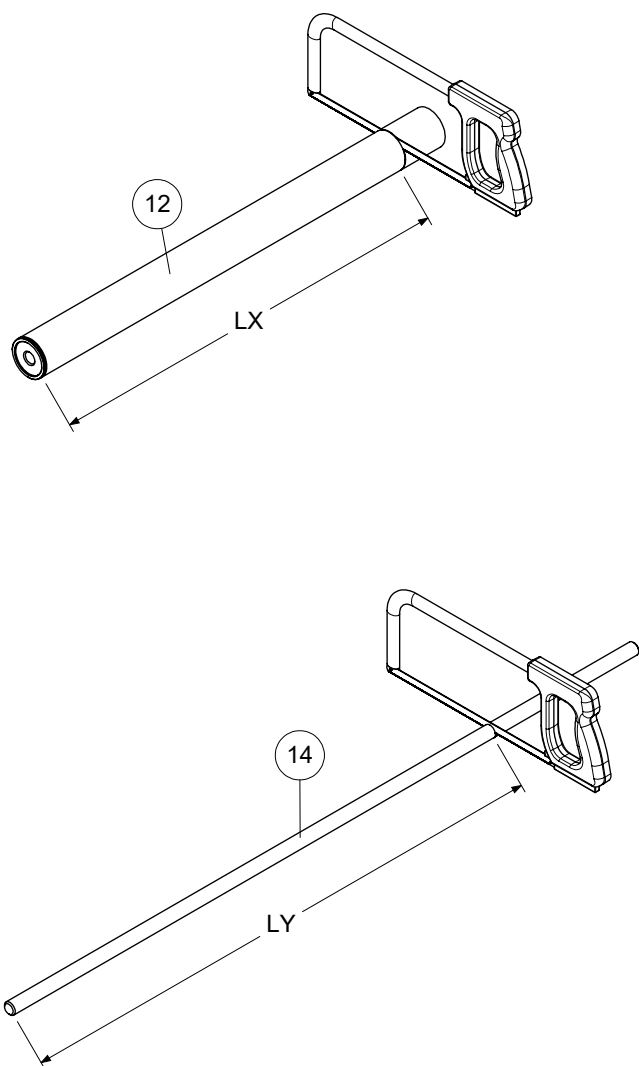
$$T = H - 91 \frac{5}{16}" [2320\text{mm}]$$

$$LX = T - 3 \frac{1}{8}" [80\text{mm}]$$

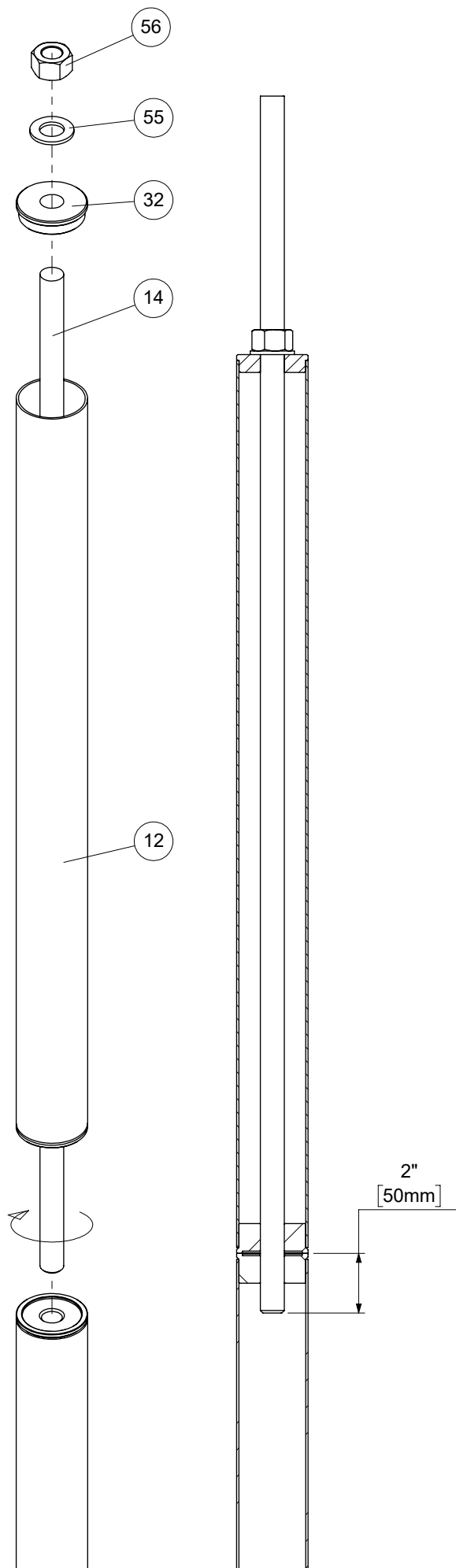
$$LY = T + 8 \frac{1}{4}" [210\text{mm}]$$



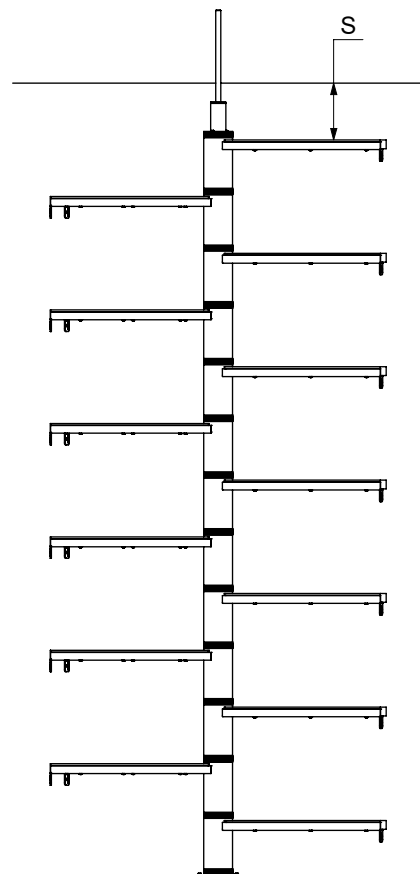
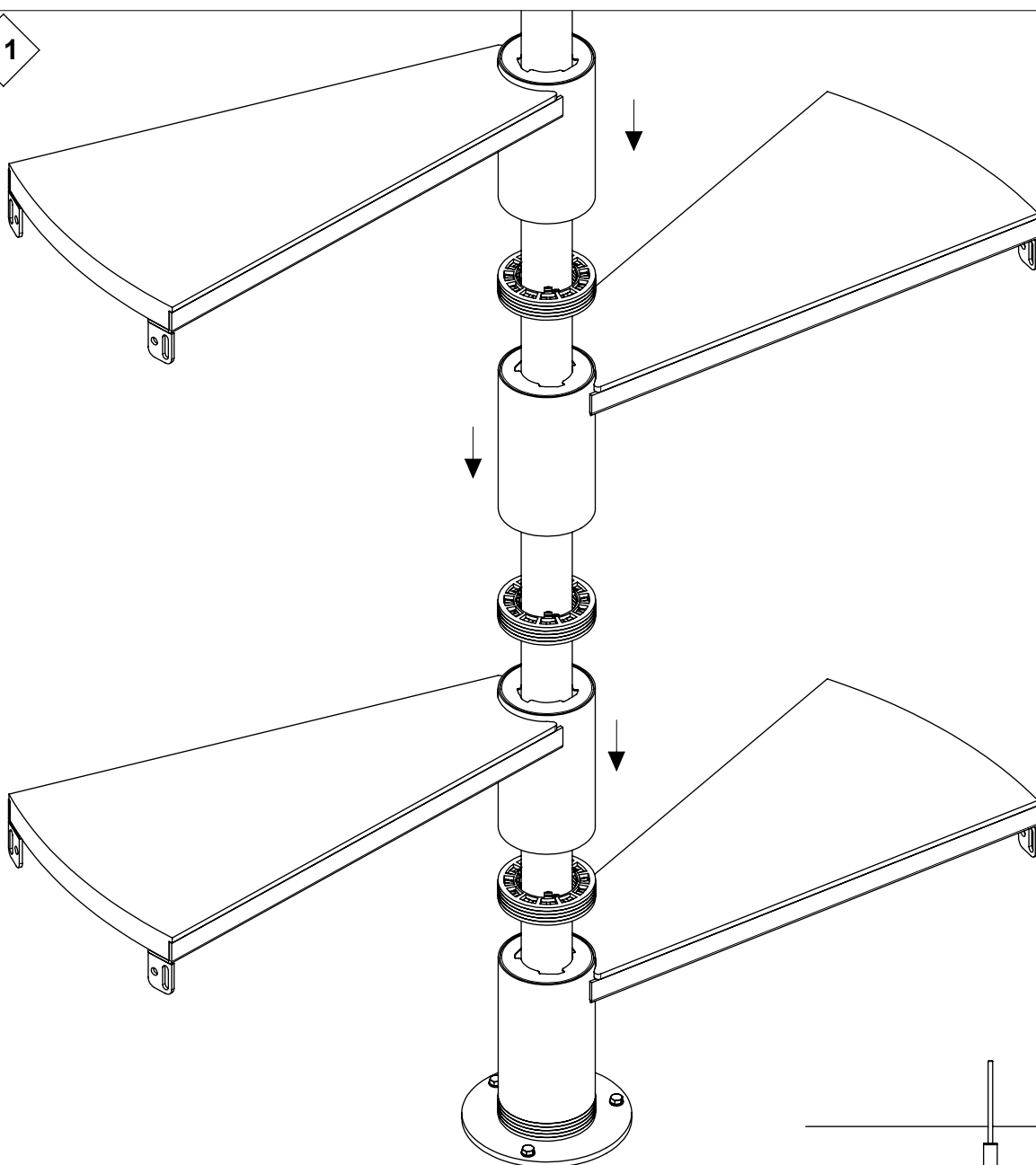
9



10

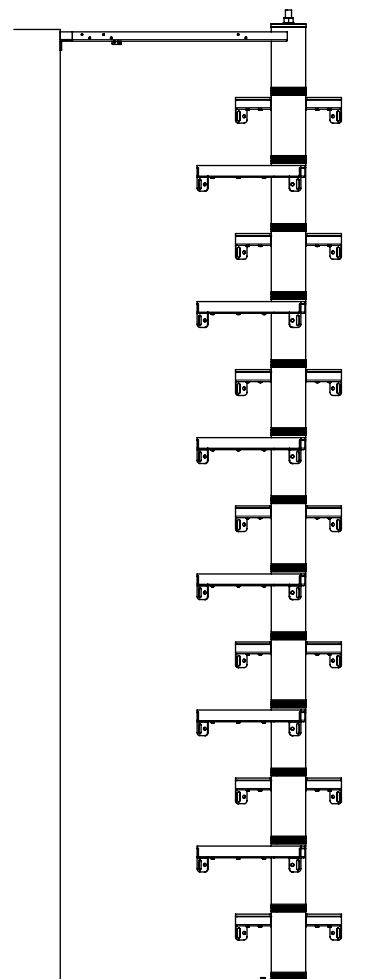


11

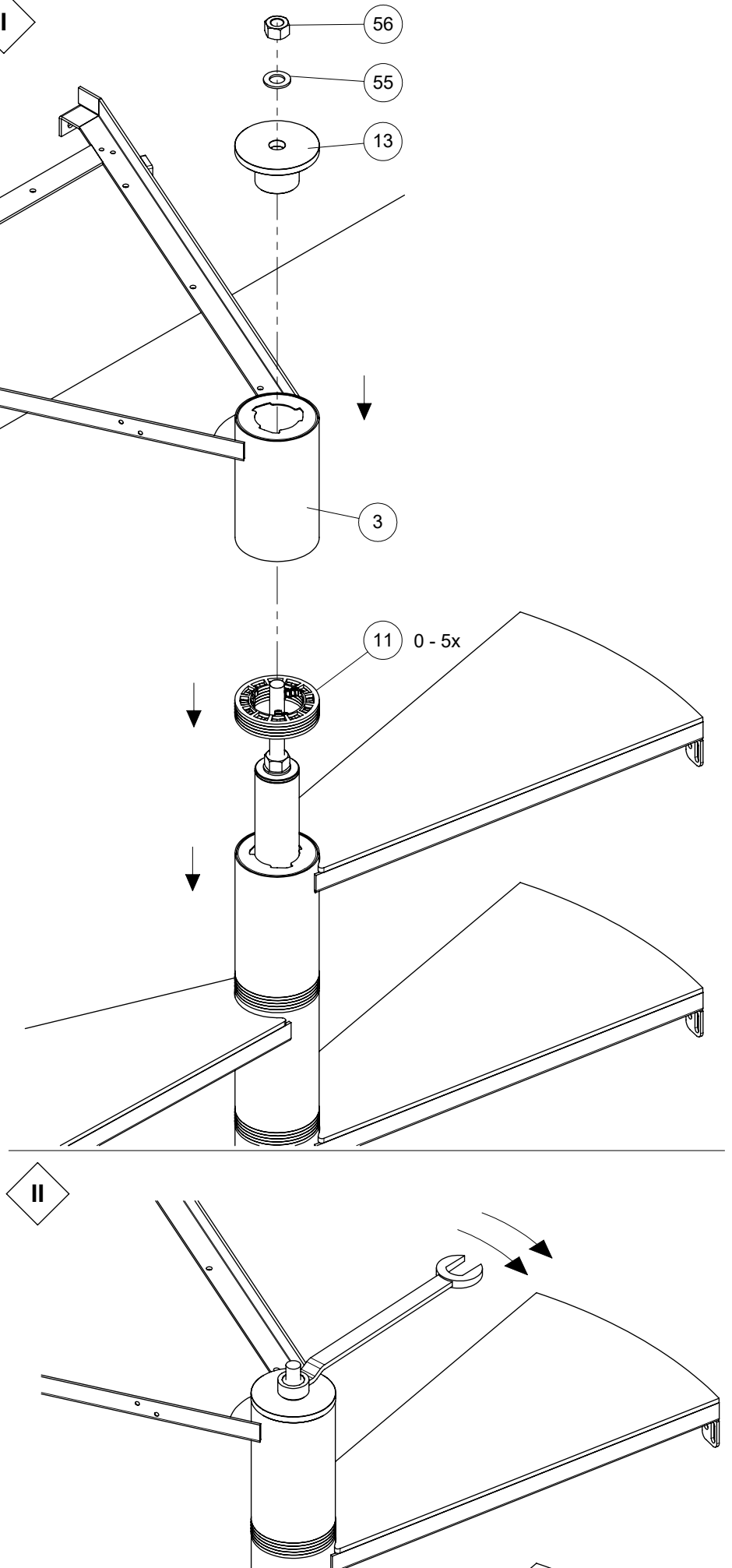


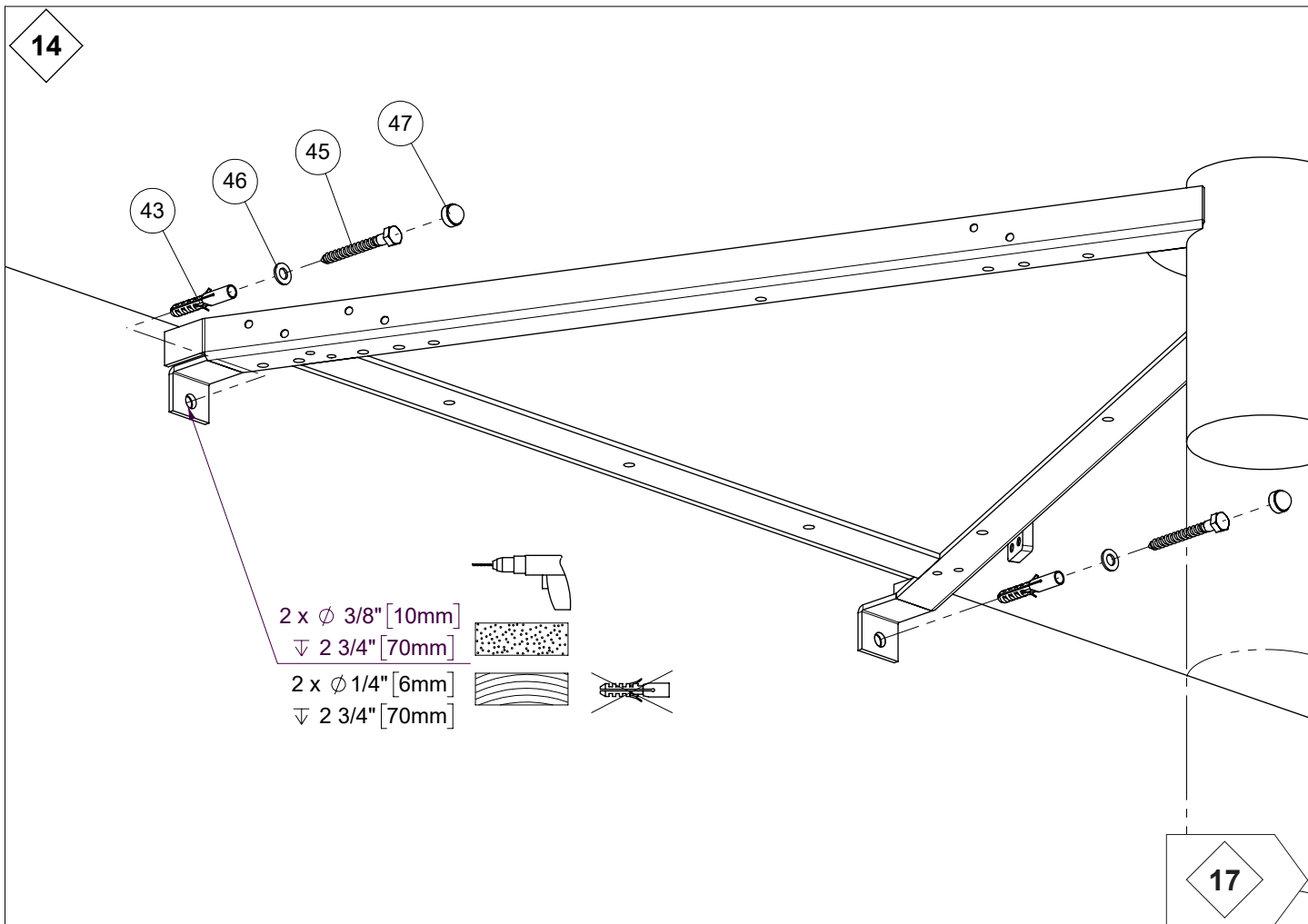
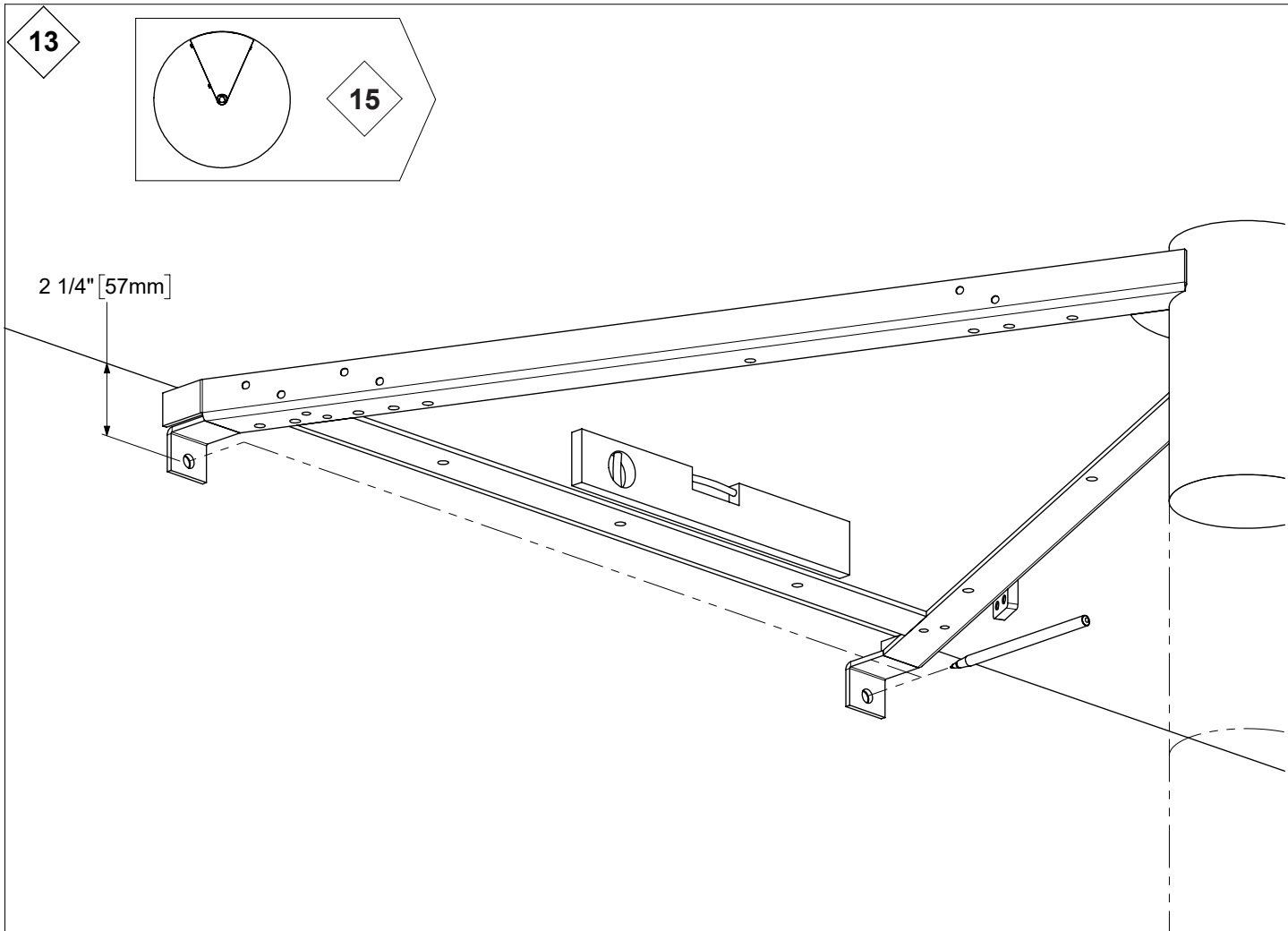
12

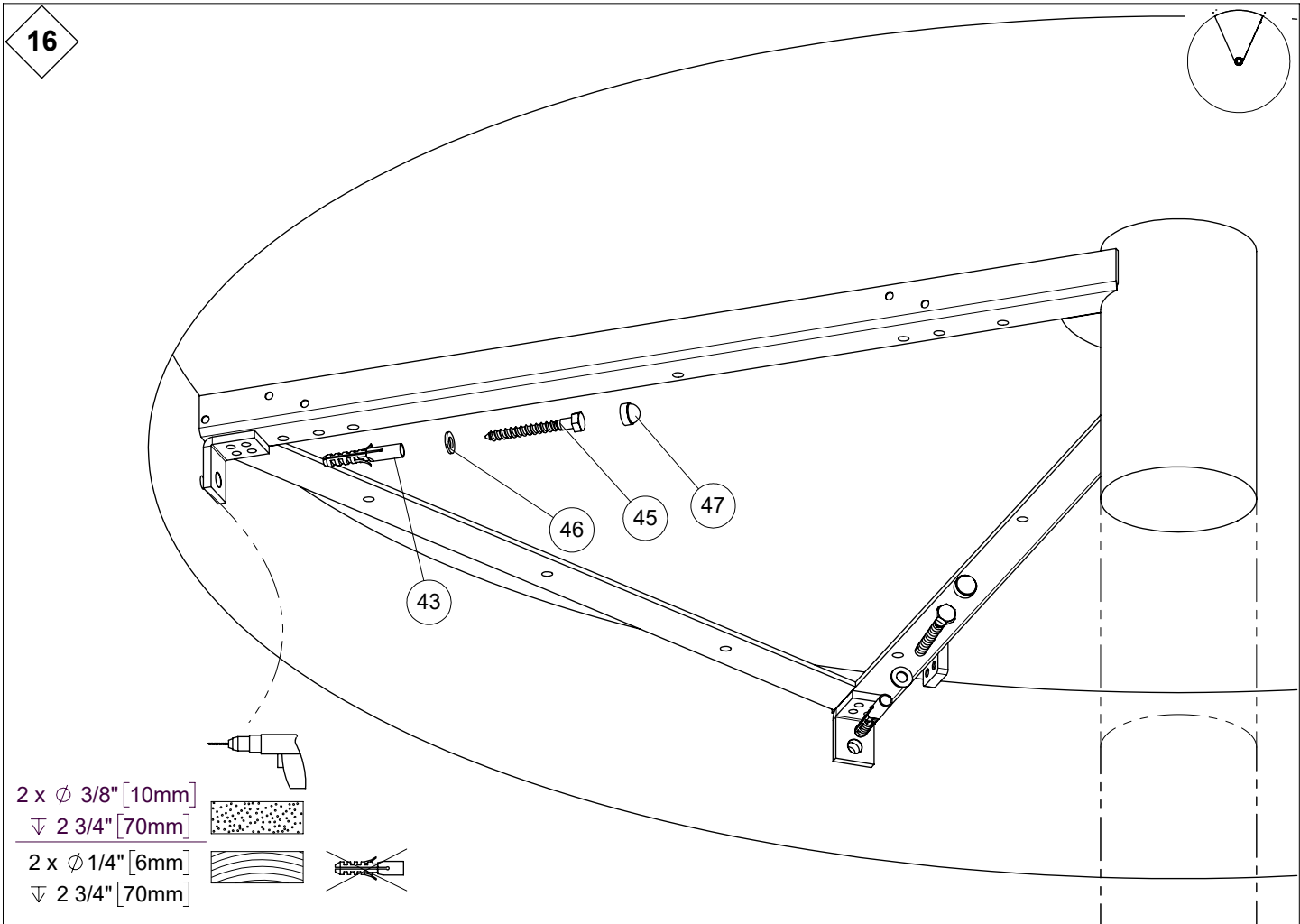
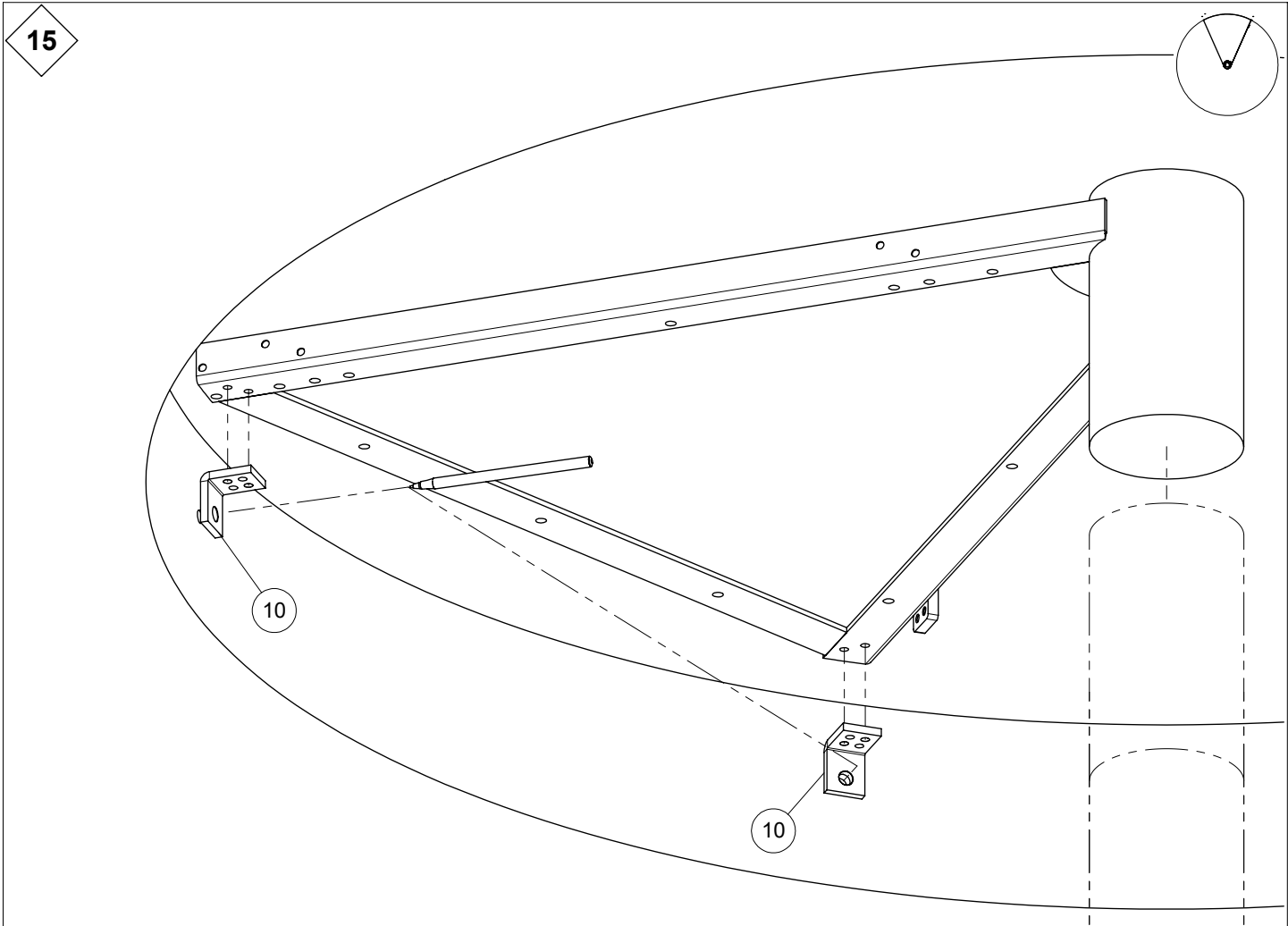
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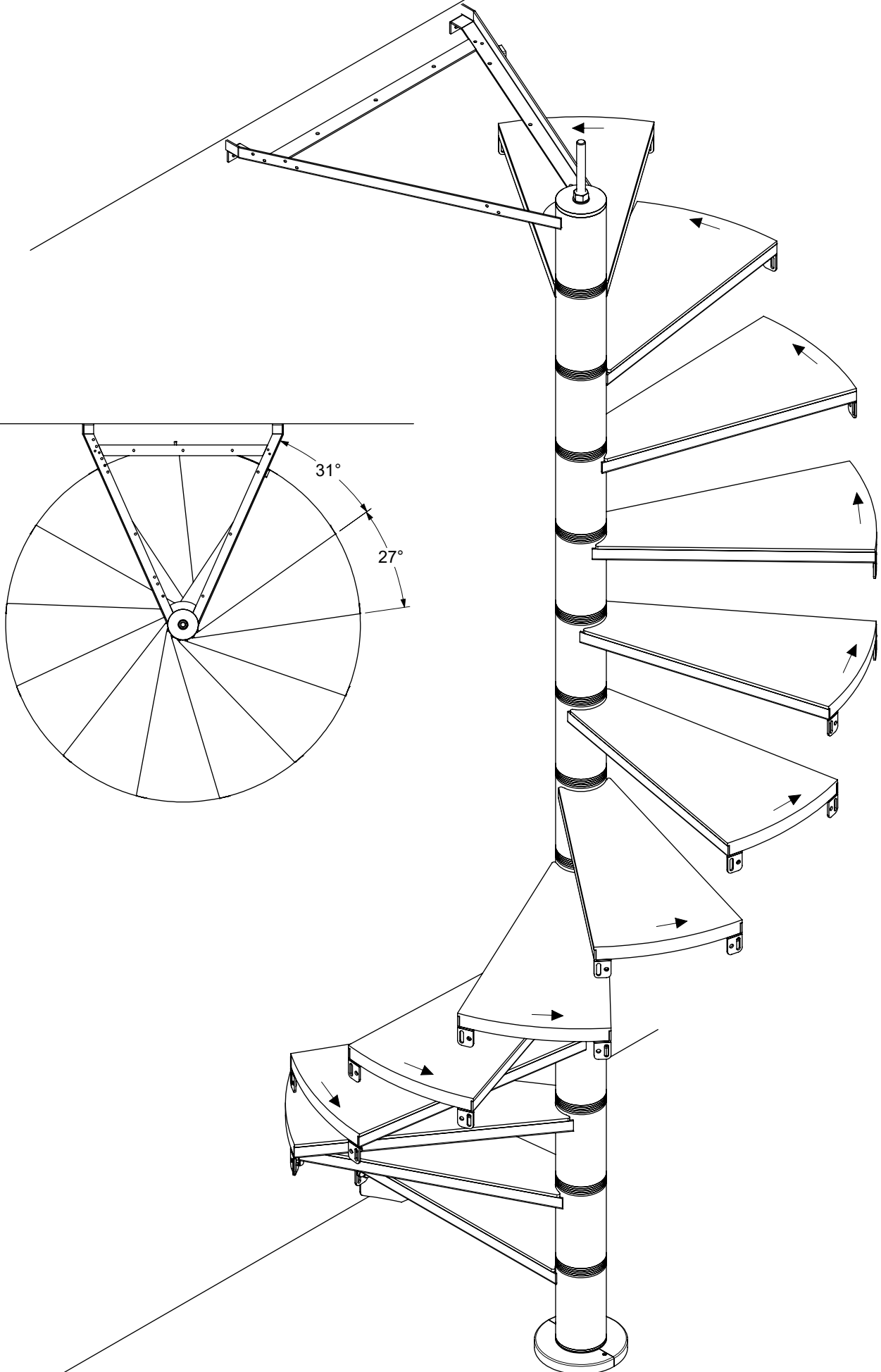


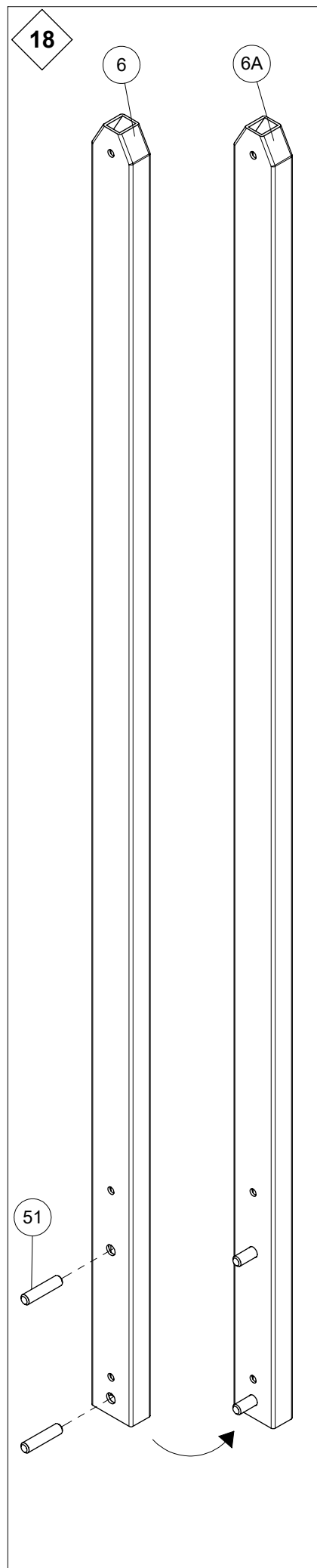
II



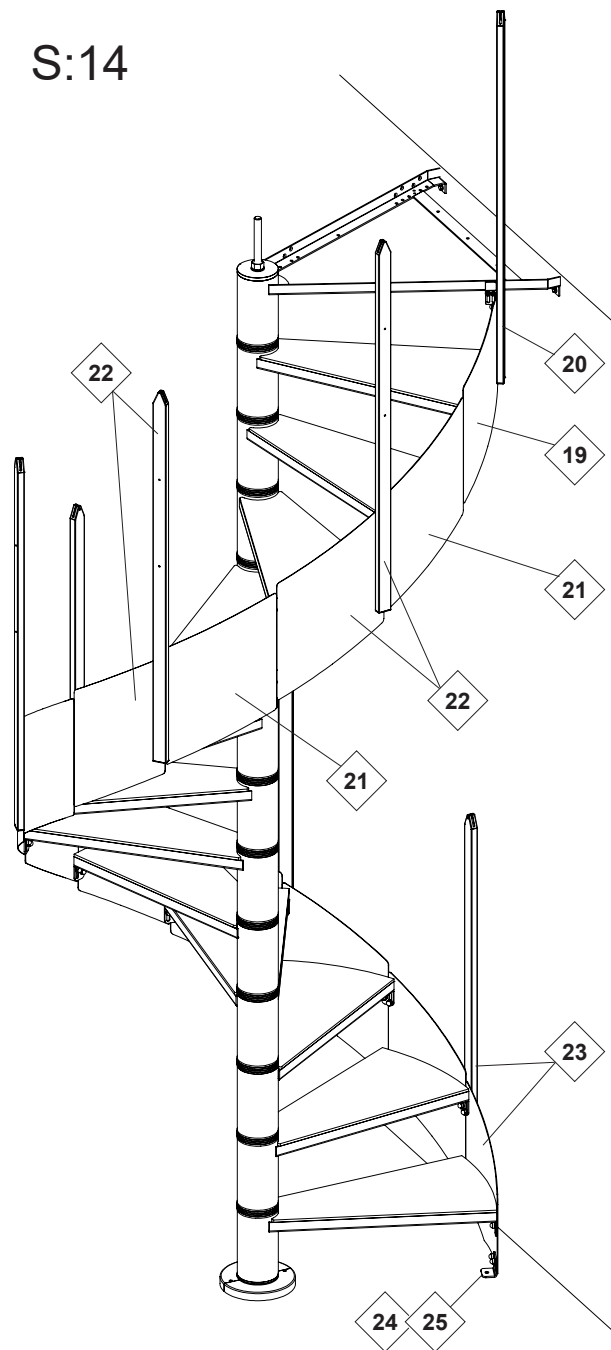




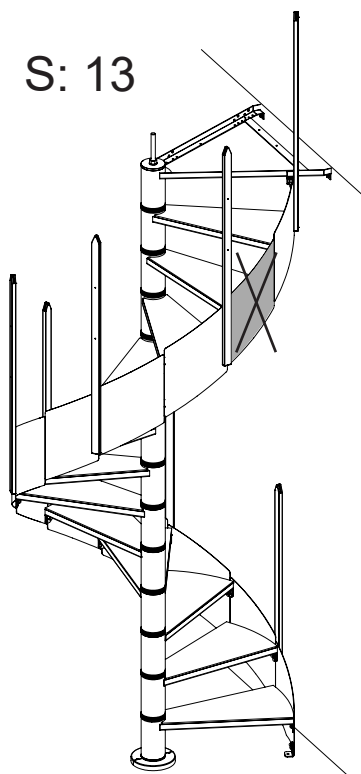




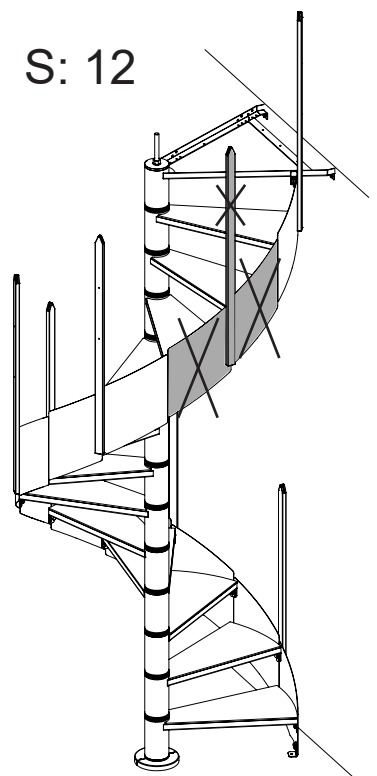
S:14



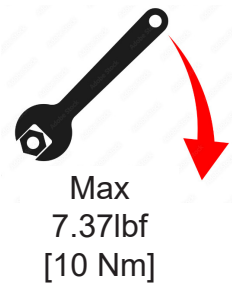
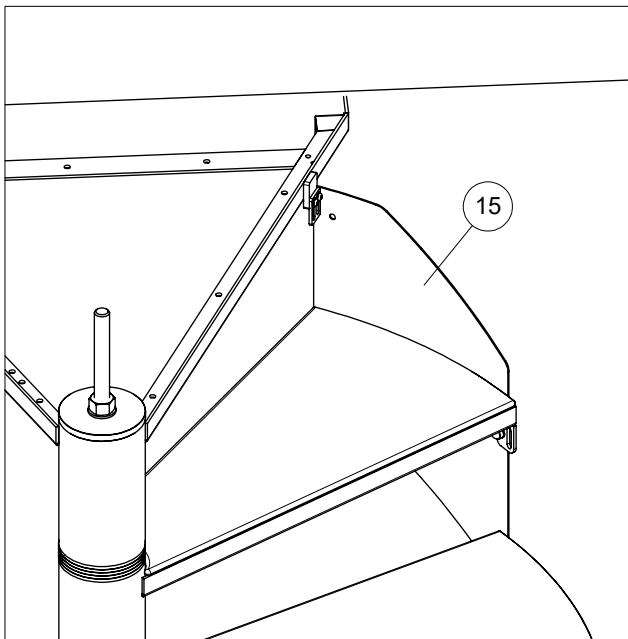
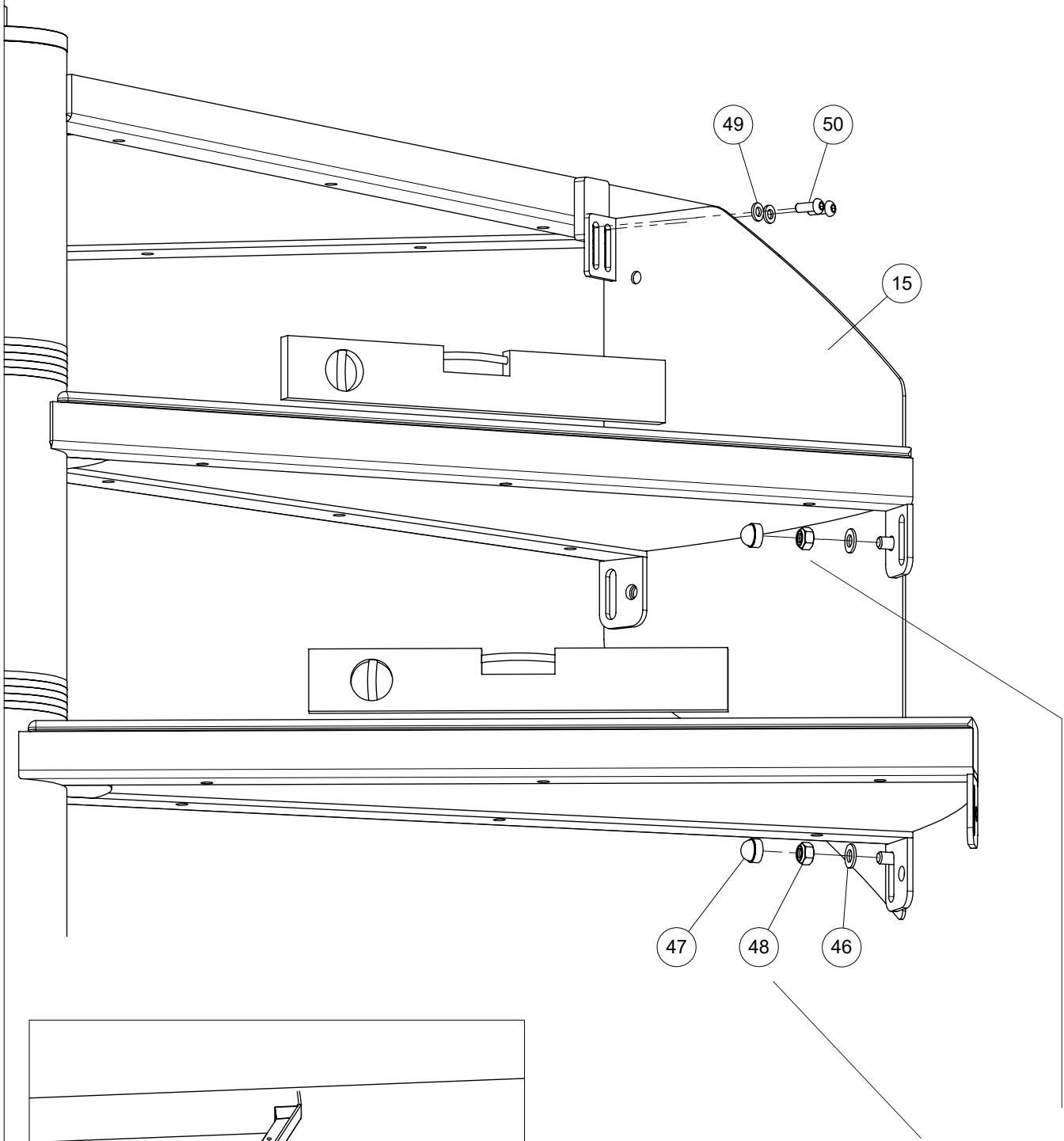
S: 13



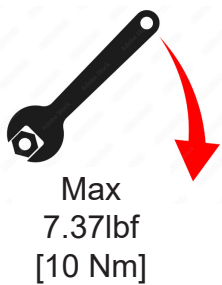
S: 12



19

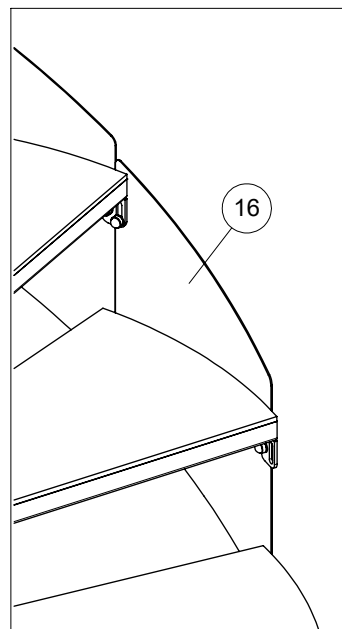


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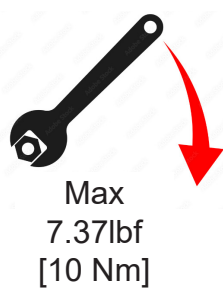
6A

21

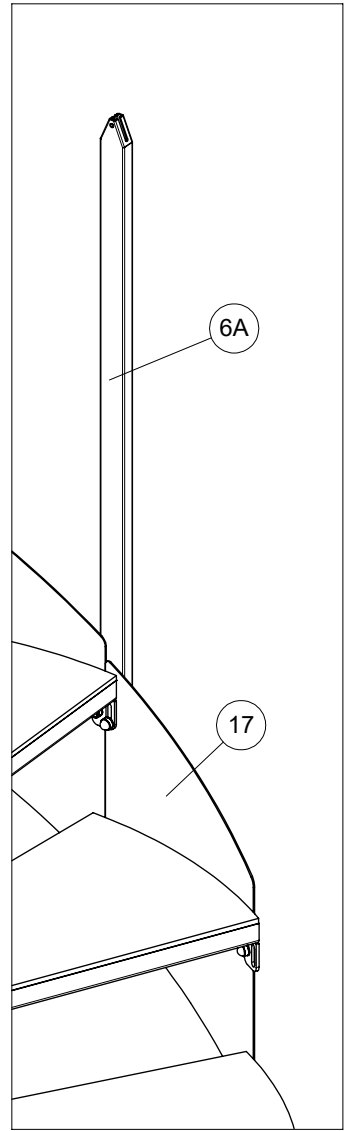
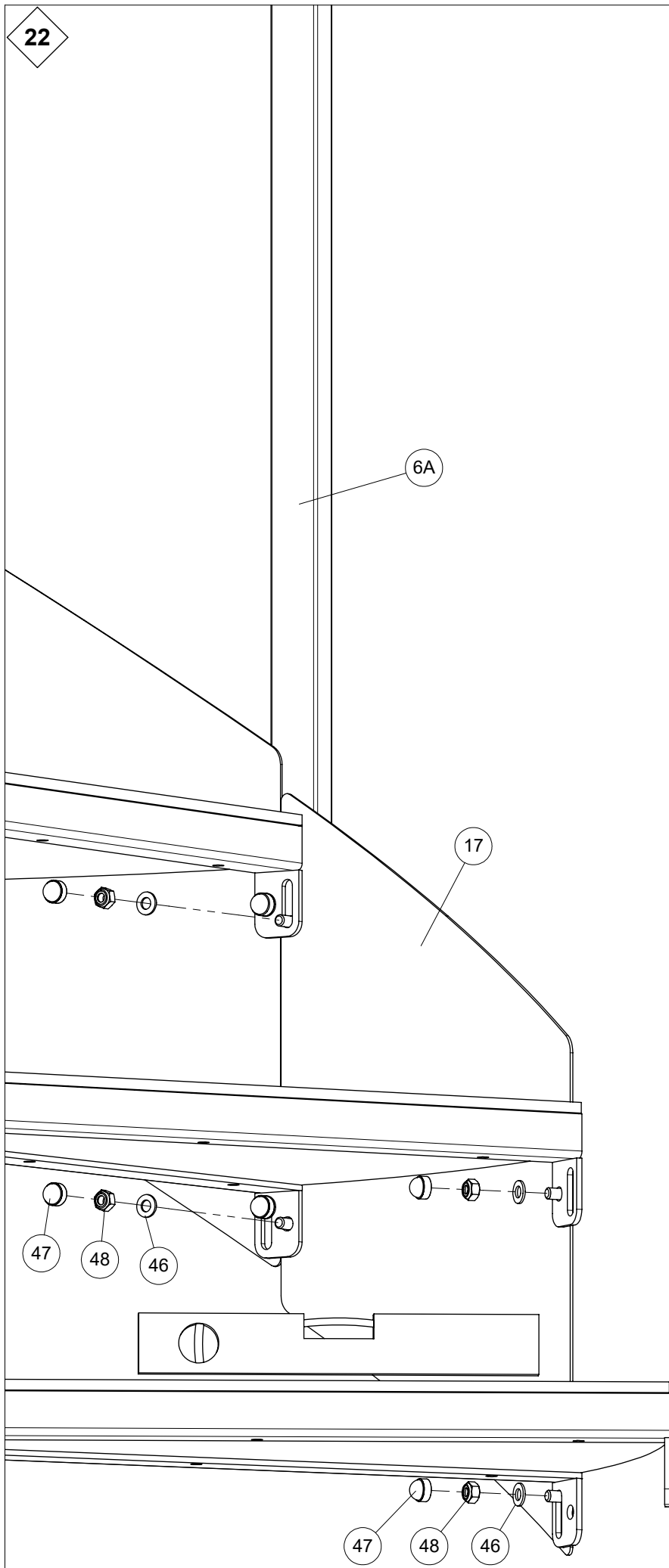


16

47 48 46

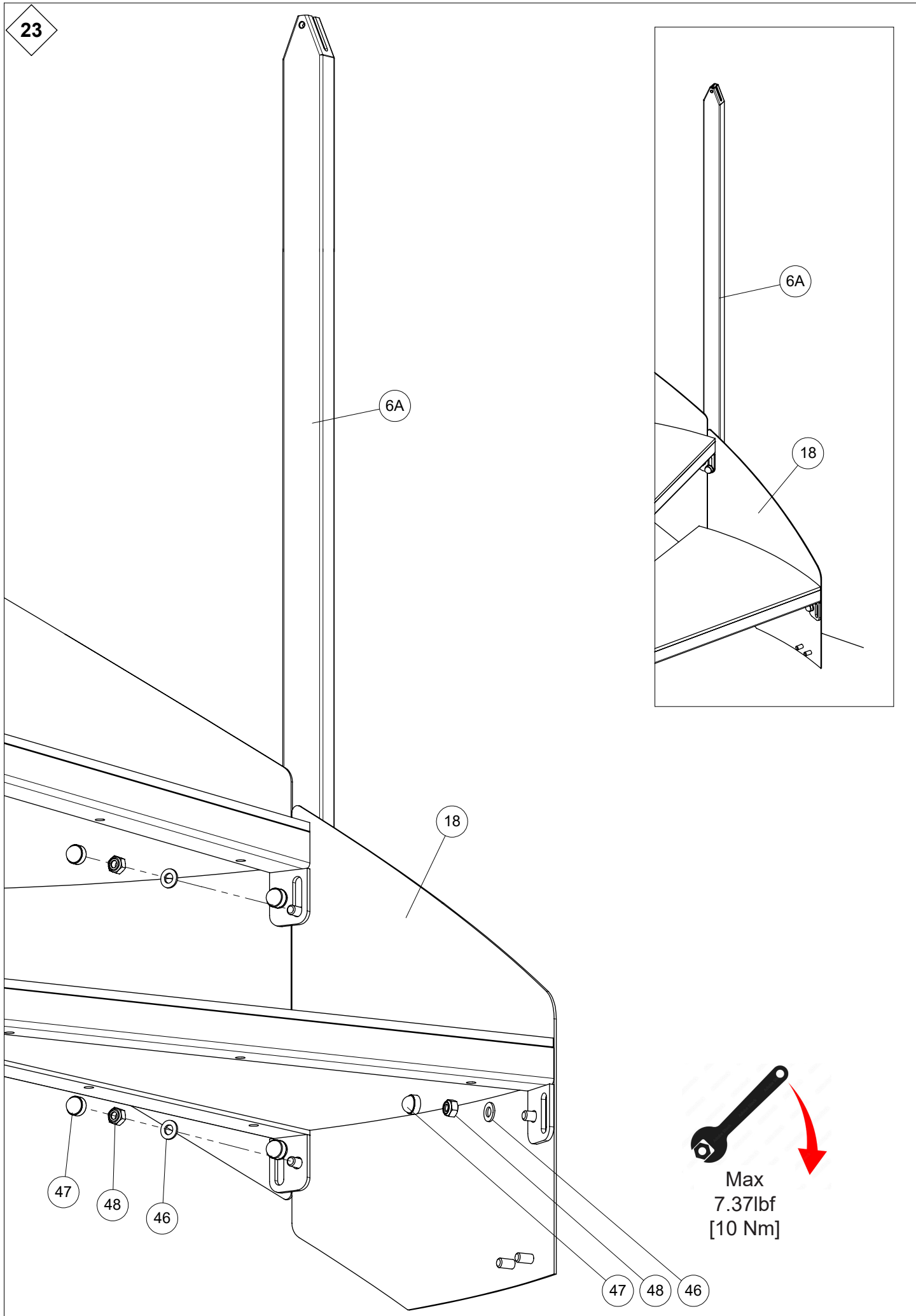


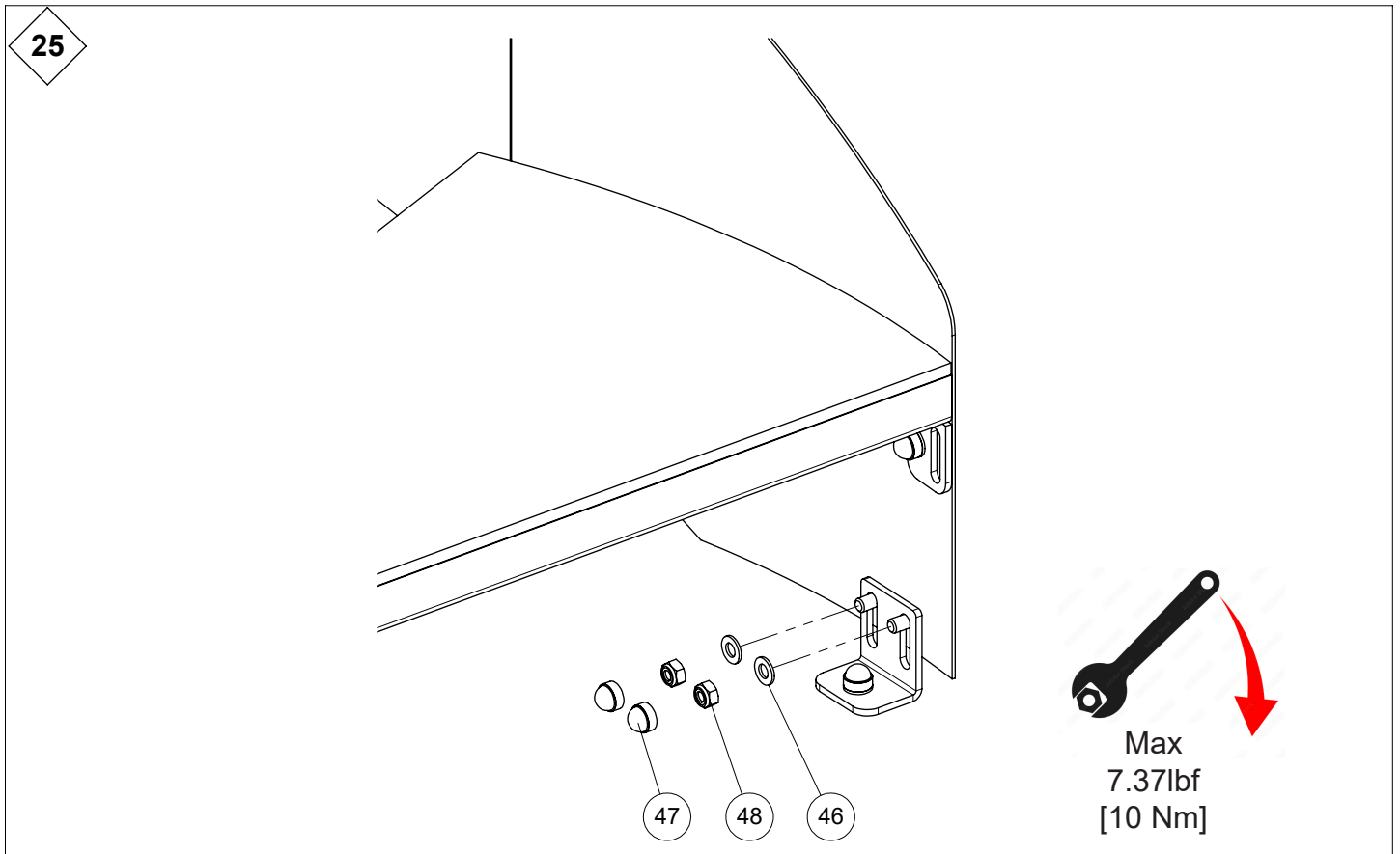
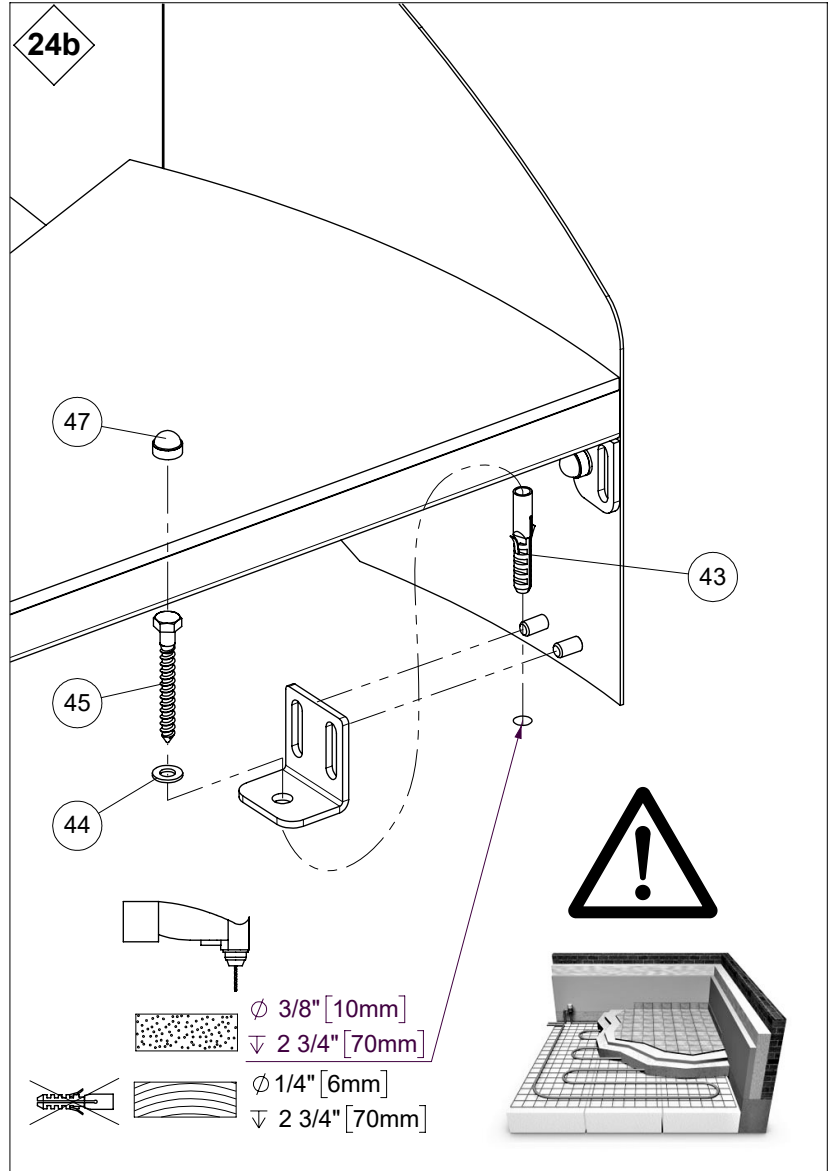
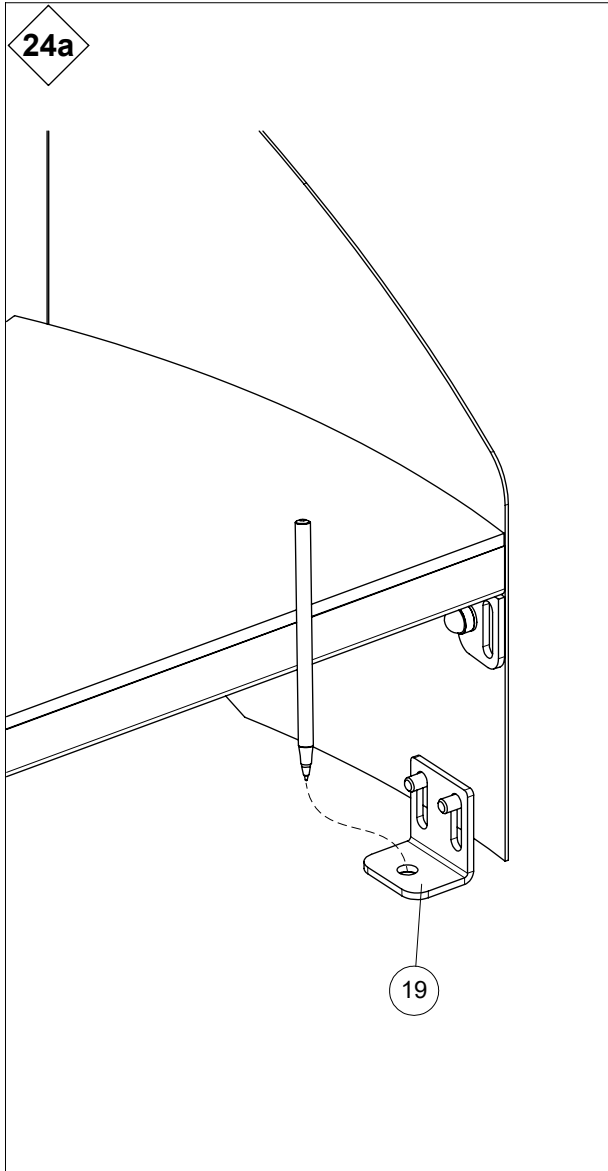
22



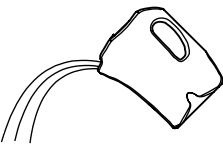
Max
7.37lbf
[10 Nm]

23

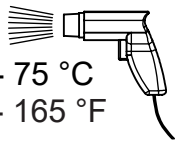




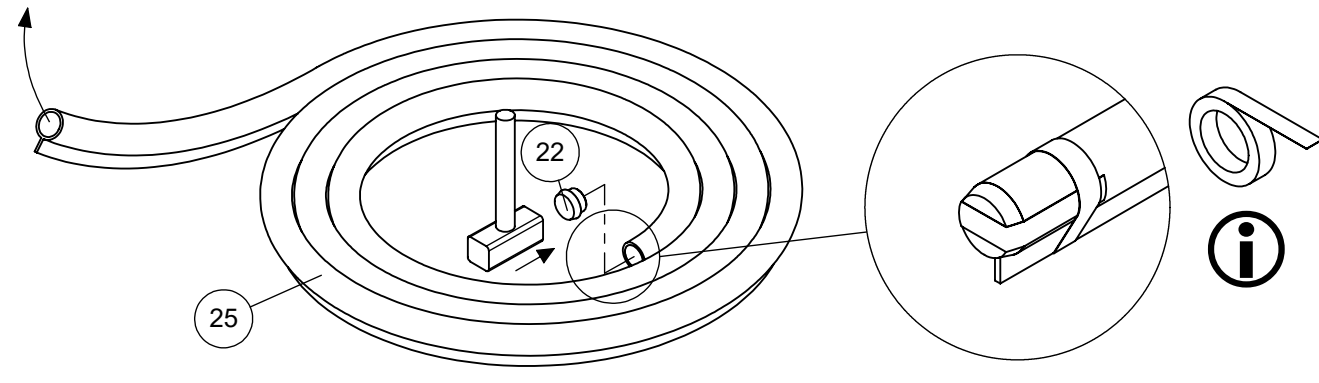
90 °C
195 °F



65 - 75 °C
150 - 165 °F



26a



22

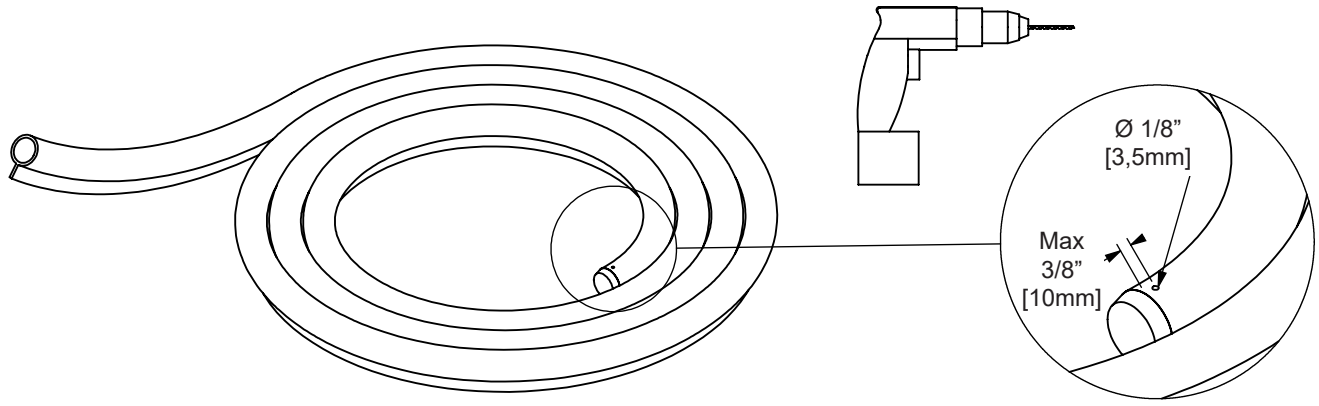
25

Ø 1/8" [3,5mm]

Max 3/8" [10mm]

!

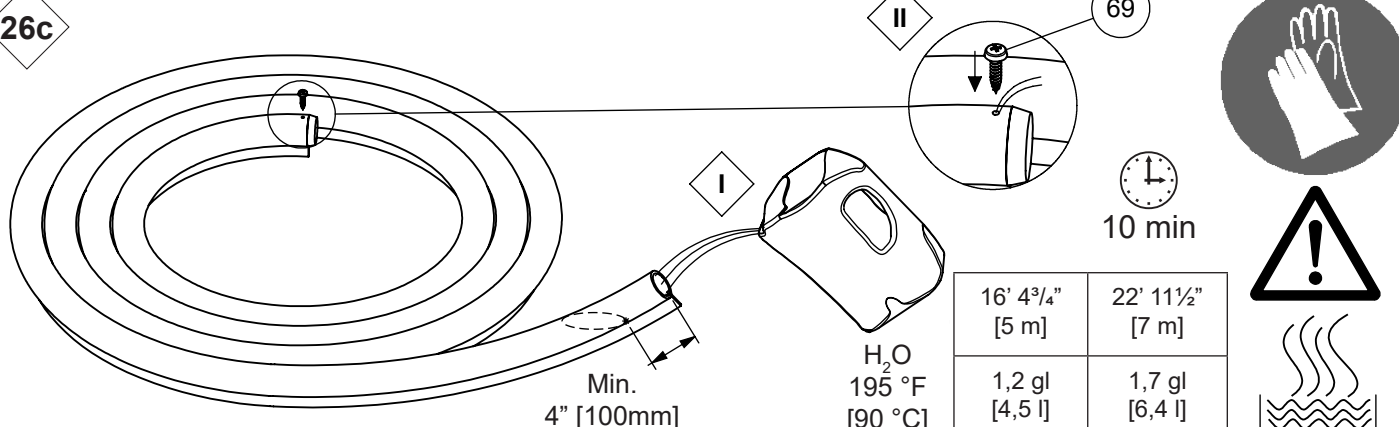
26b



Ø 1/8" [3,5mm]

Max 3/8" [10mm]

26c



II

69

10 min

16' 4 3/4" [5 m]	22' 11 1/2" [7 m]
1,2 gl [4,5 l]	1,7 gl [6,4 l]

H₂O
195 °F
[90 °C]

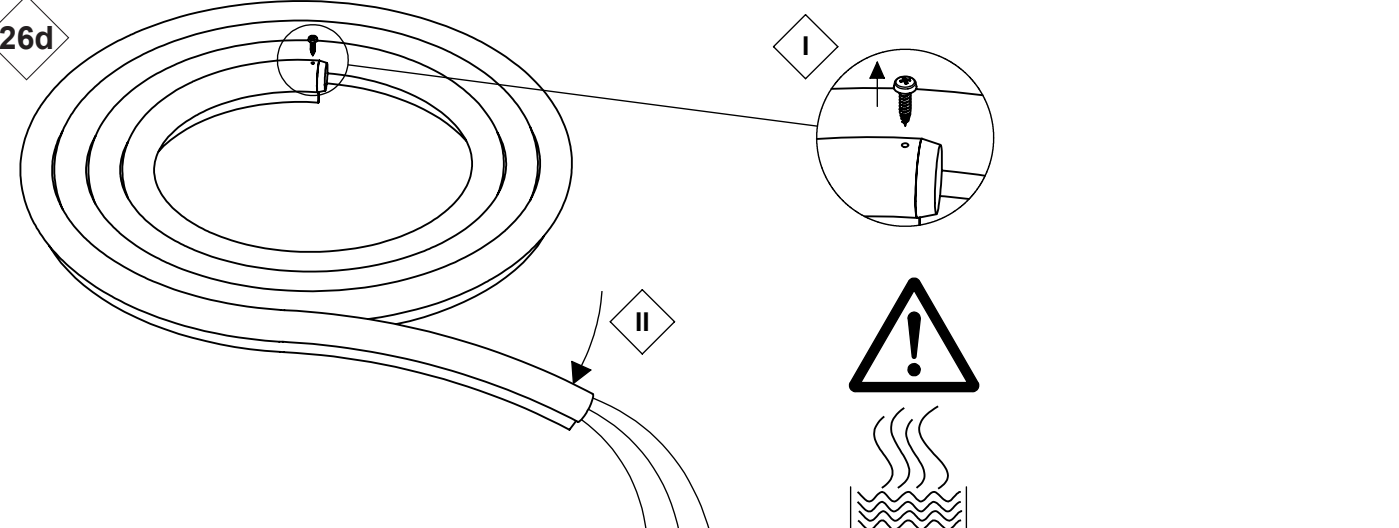
Min. 4" [100mm]

!

!

!

26d

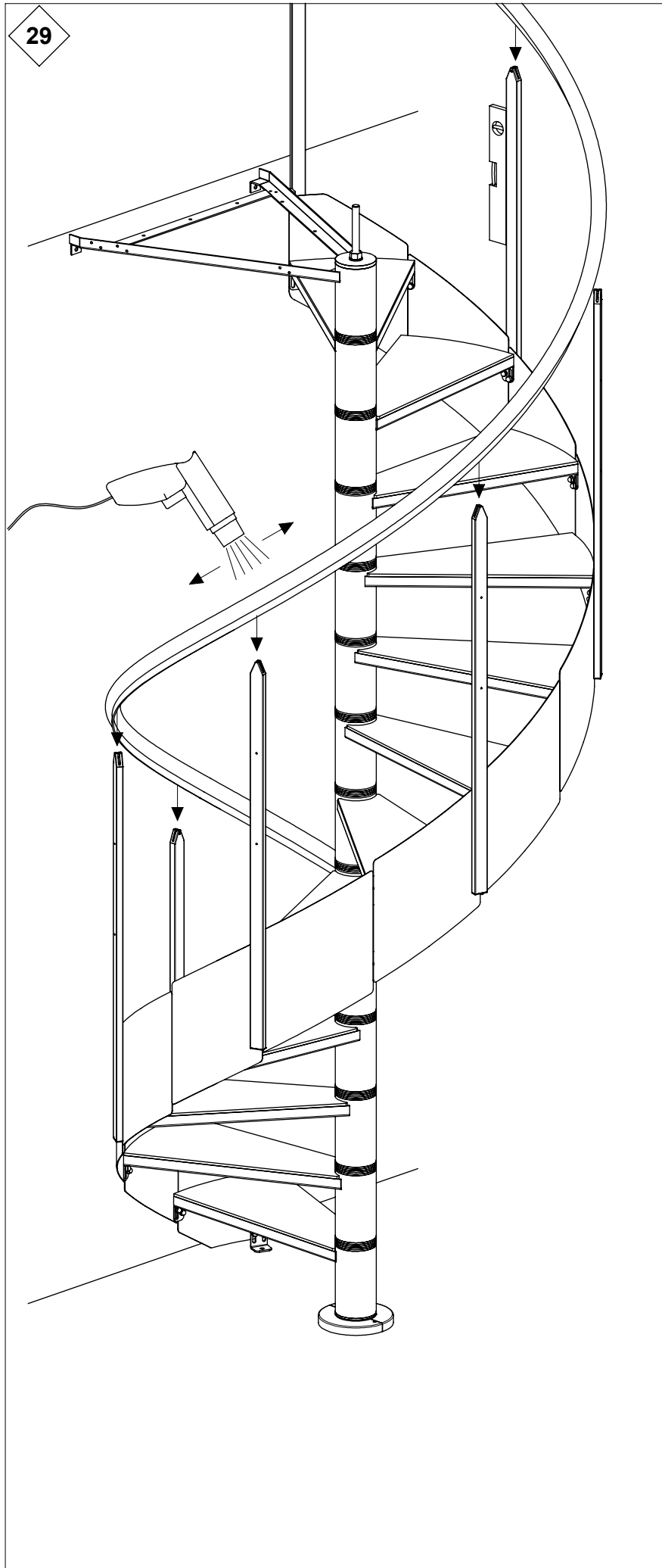
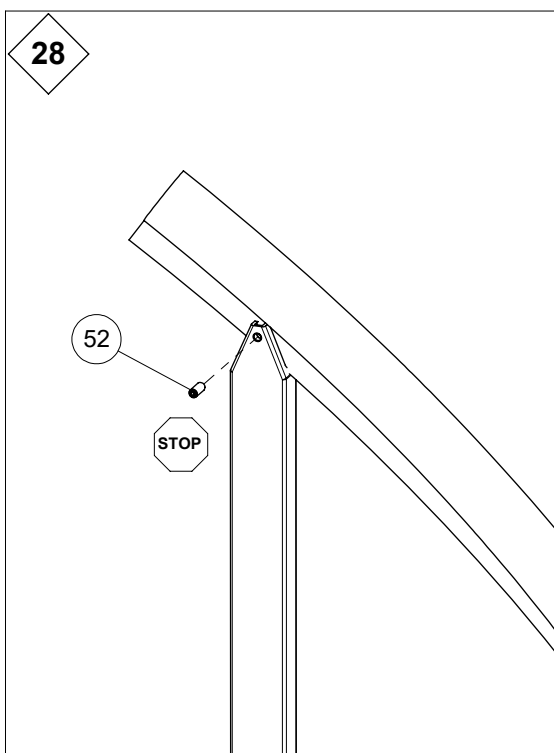
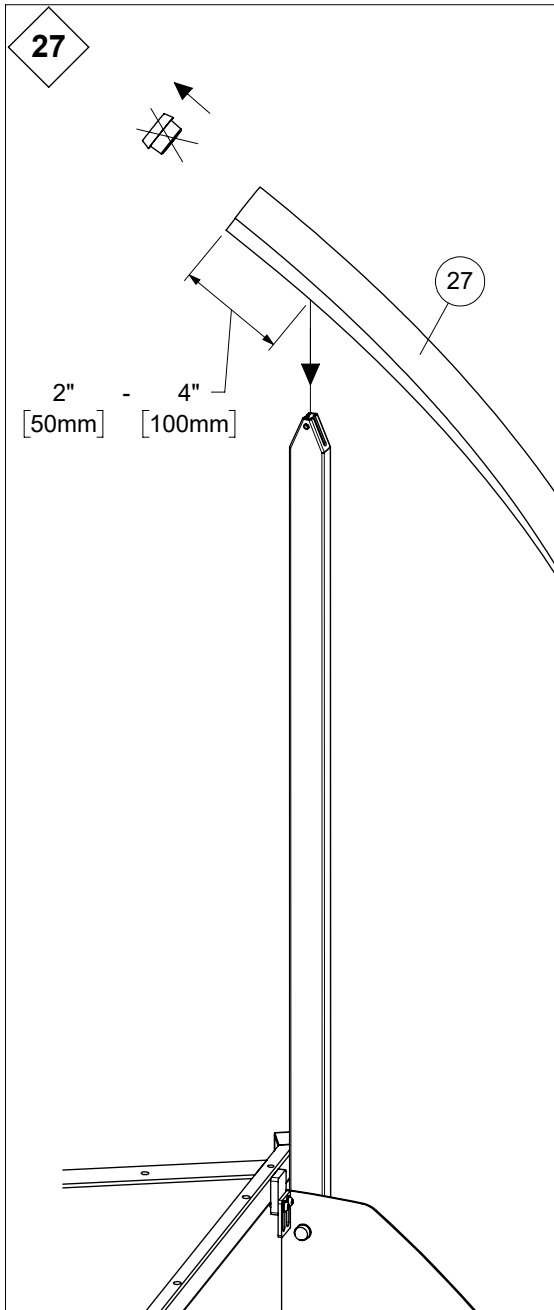


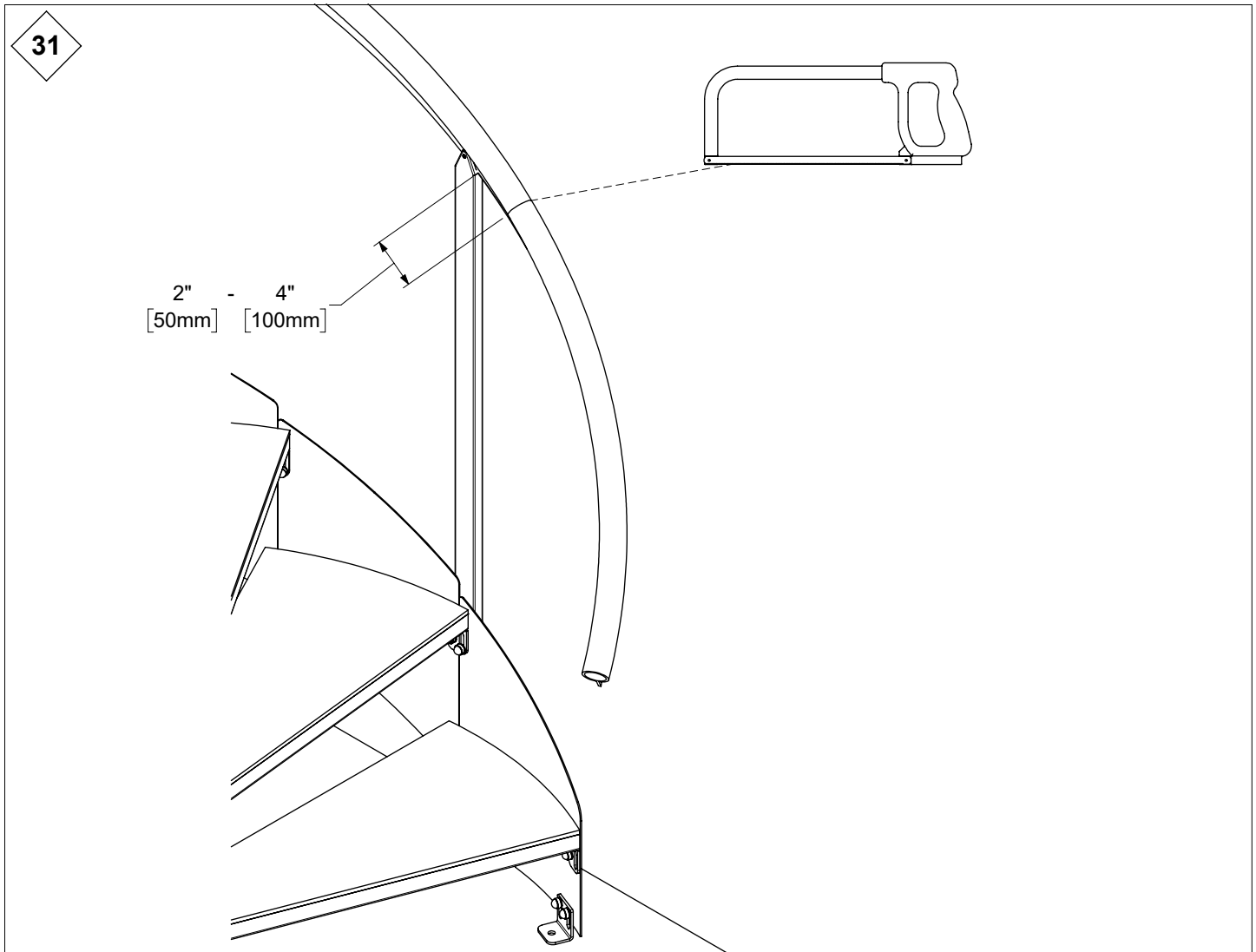
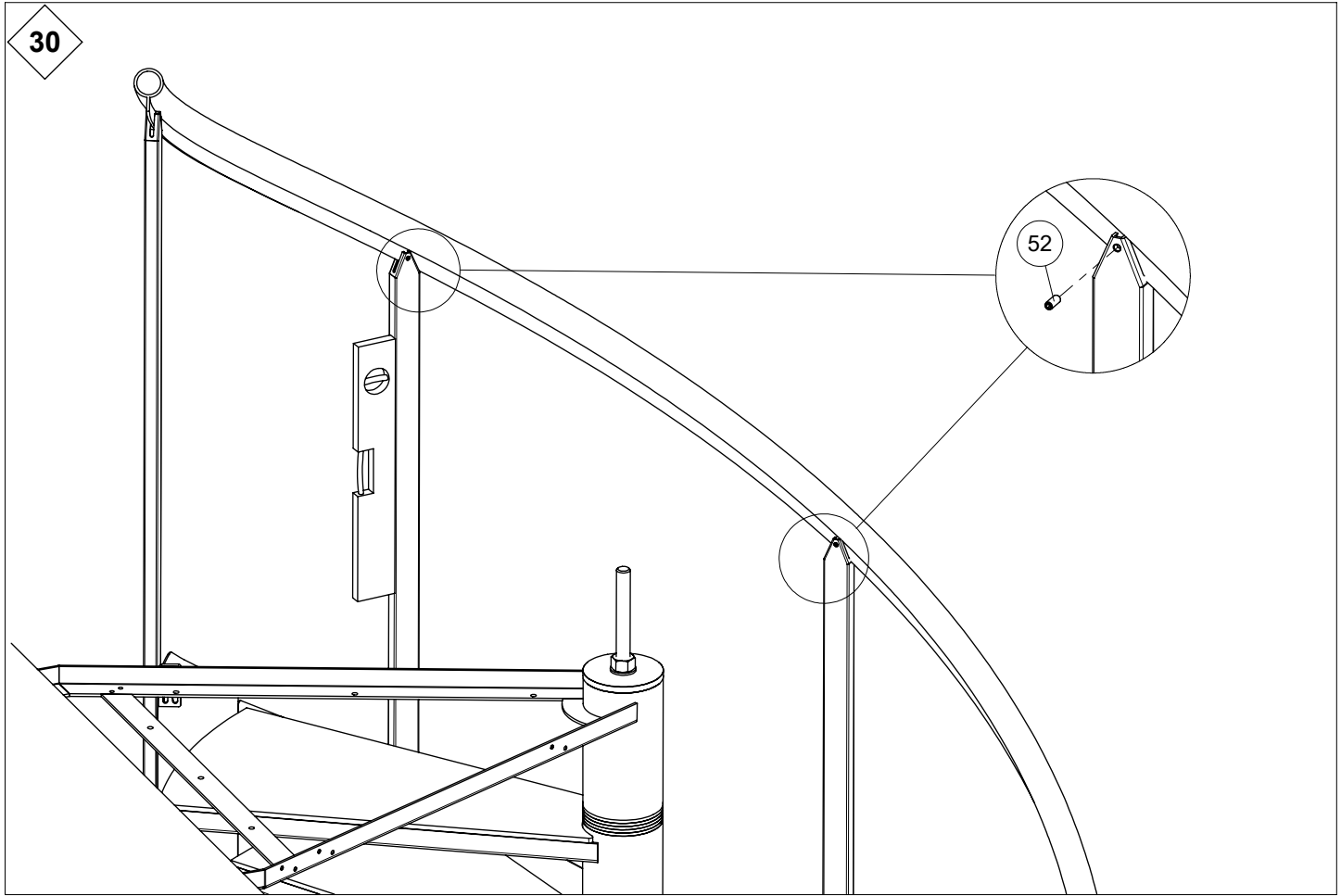
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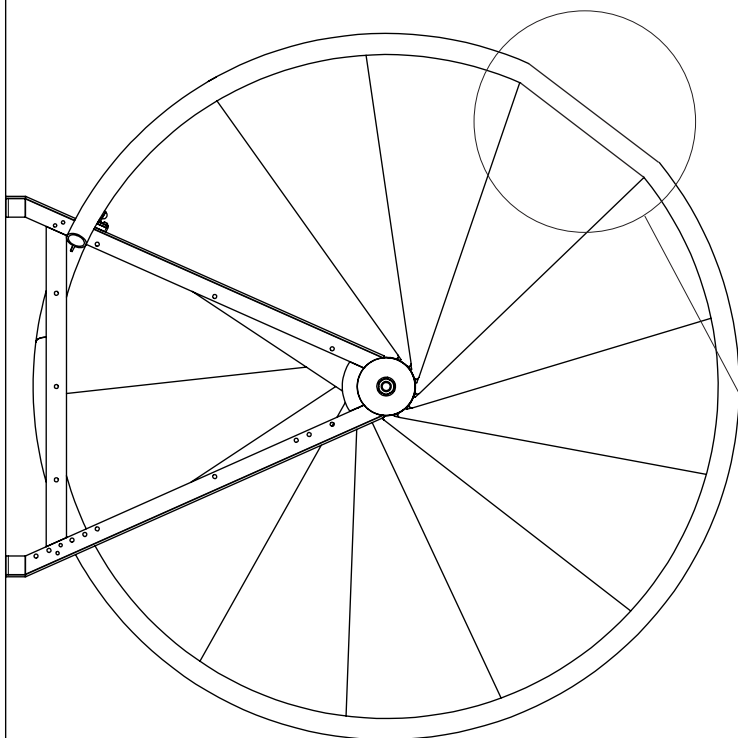
II

!

!







When heating the handrail, please pay attention to the distance between the handrail and the hot air gun. If the contact between the hot air gun and the handrail is too close or too hot there is a risk that the handrail will be deformed and/or burned.

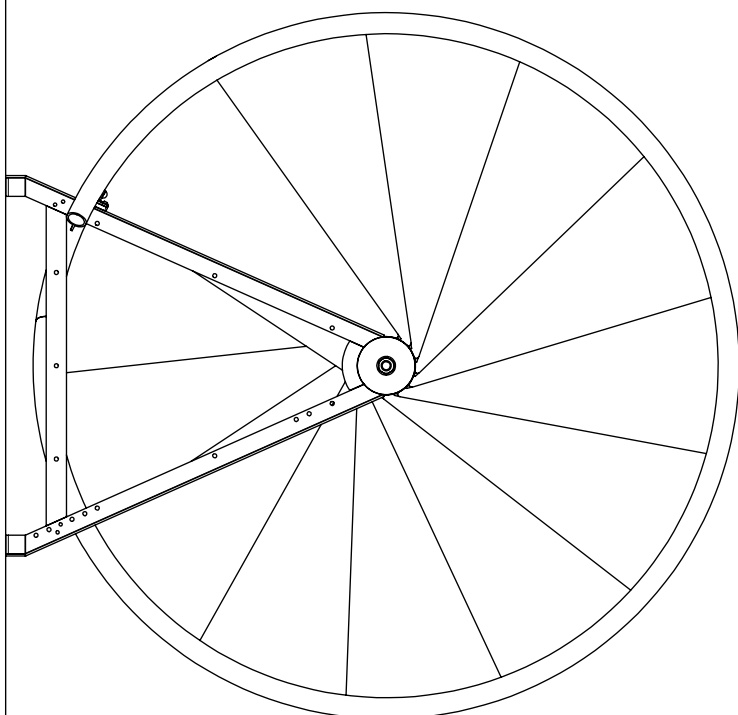
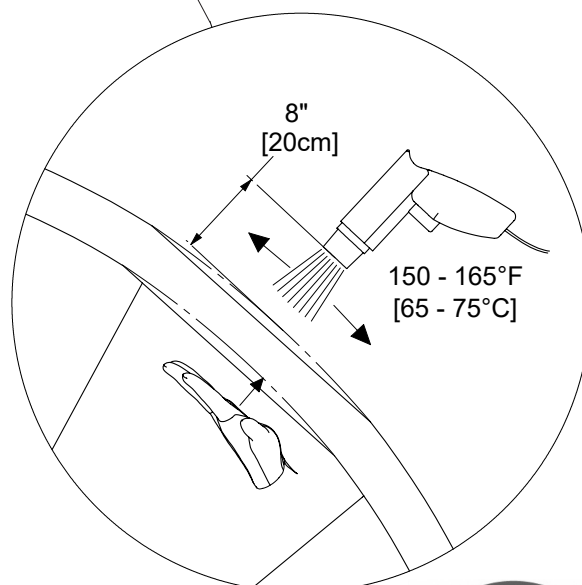
It is important to keep moving the hot air gun in order to ensure that particular points on the handrail do not become too hot.

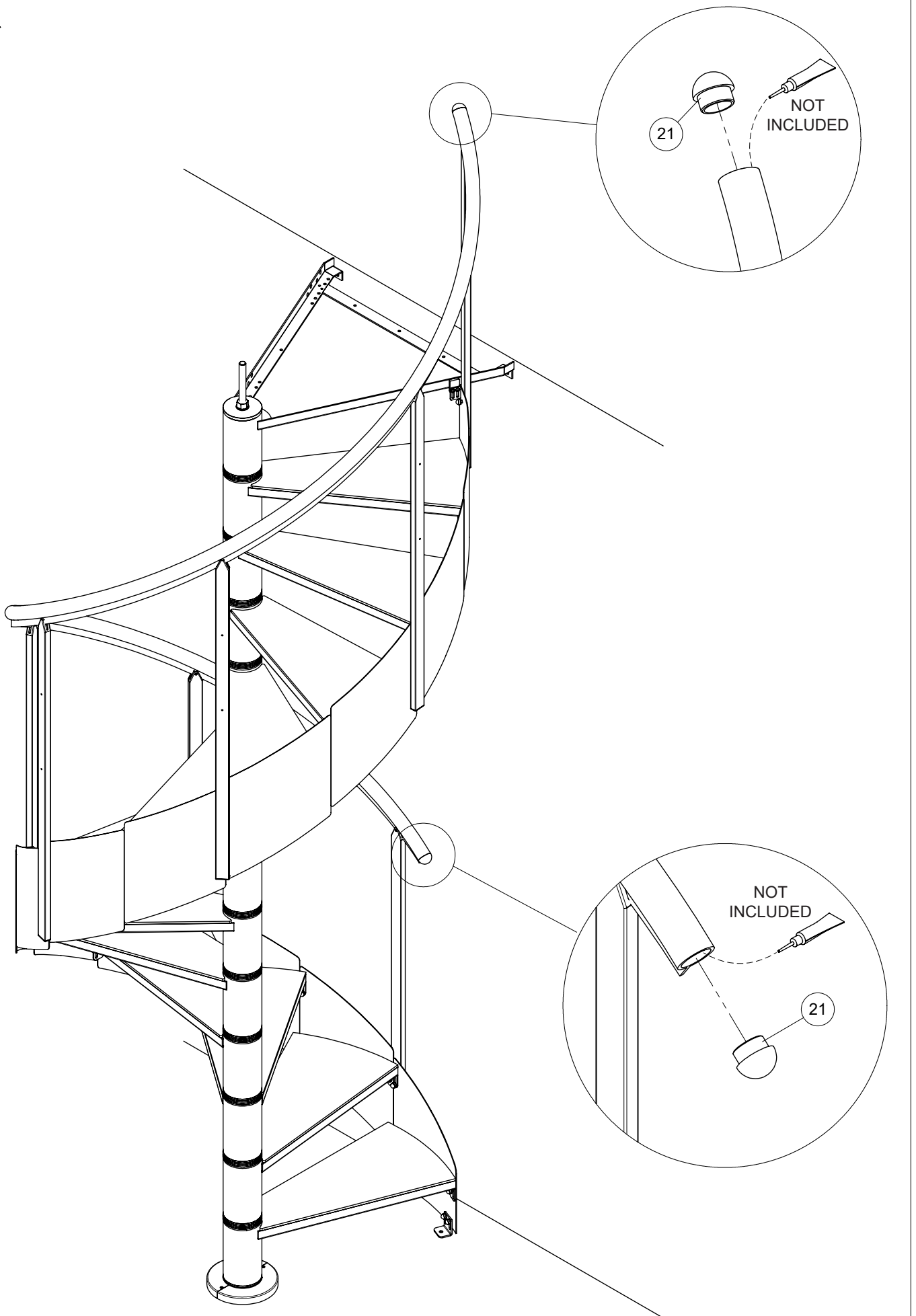
Protective gloves should be worn while working with the hot handrail.

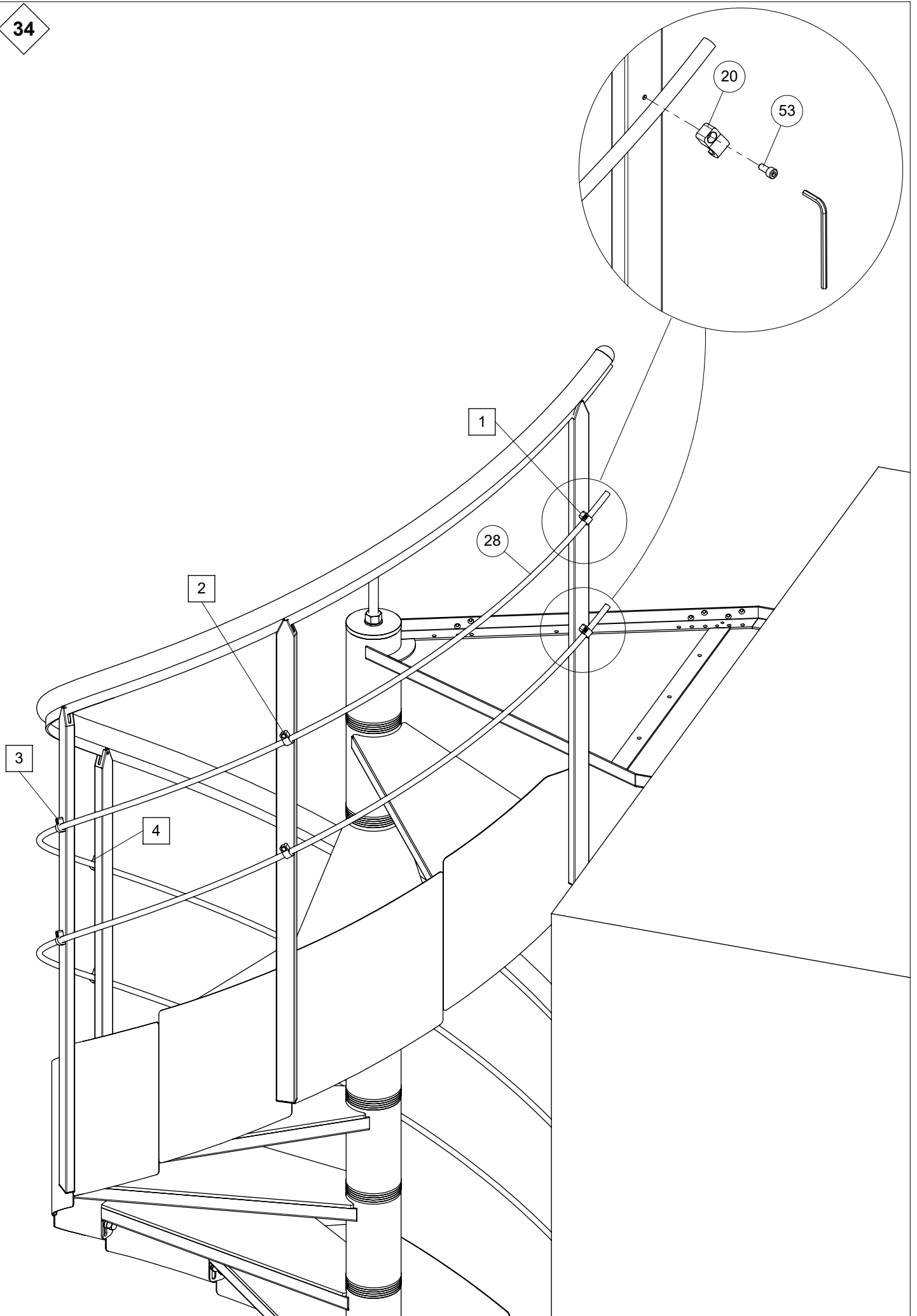
Al calentar el pasamano, por favor preste atención a la distancia entre el pasamano y la pistola de aire caliente. Si la distancia entre la pistola de aire caliente y el pasamano es demasiado corta o/y el pasamano sea demasiado caliente hay un riesgo de que el pasamano se demore y/o se quede quemado.

Es importante seguir moviendo la pistola de aire caliente para asegurar que cierto puntos del pasamano no sea demasiado caliente.

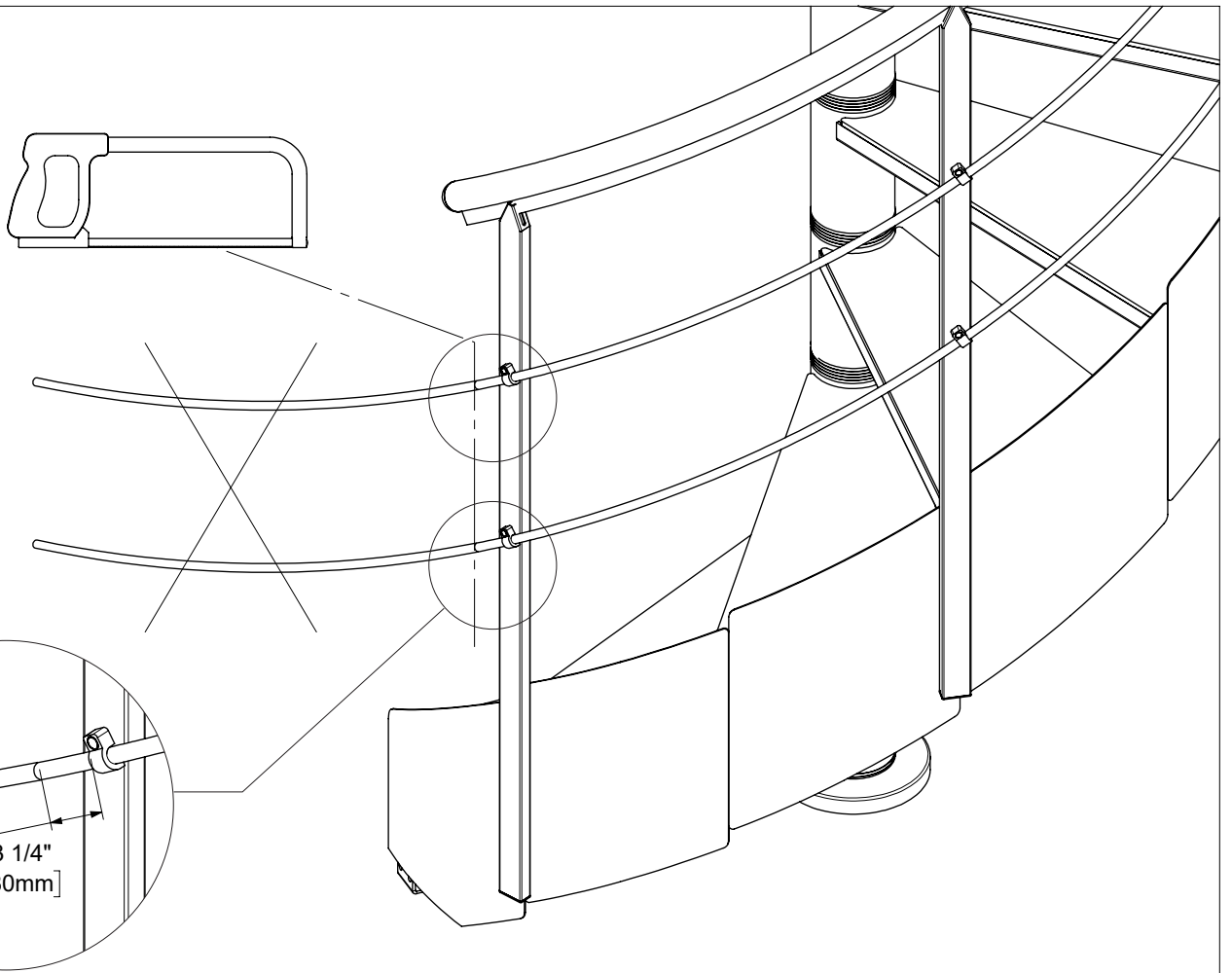
Guantes de protección deben ser utilizados durante todo el tiempo trabajando con el pasamano caliente.



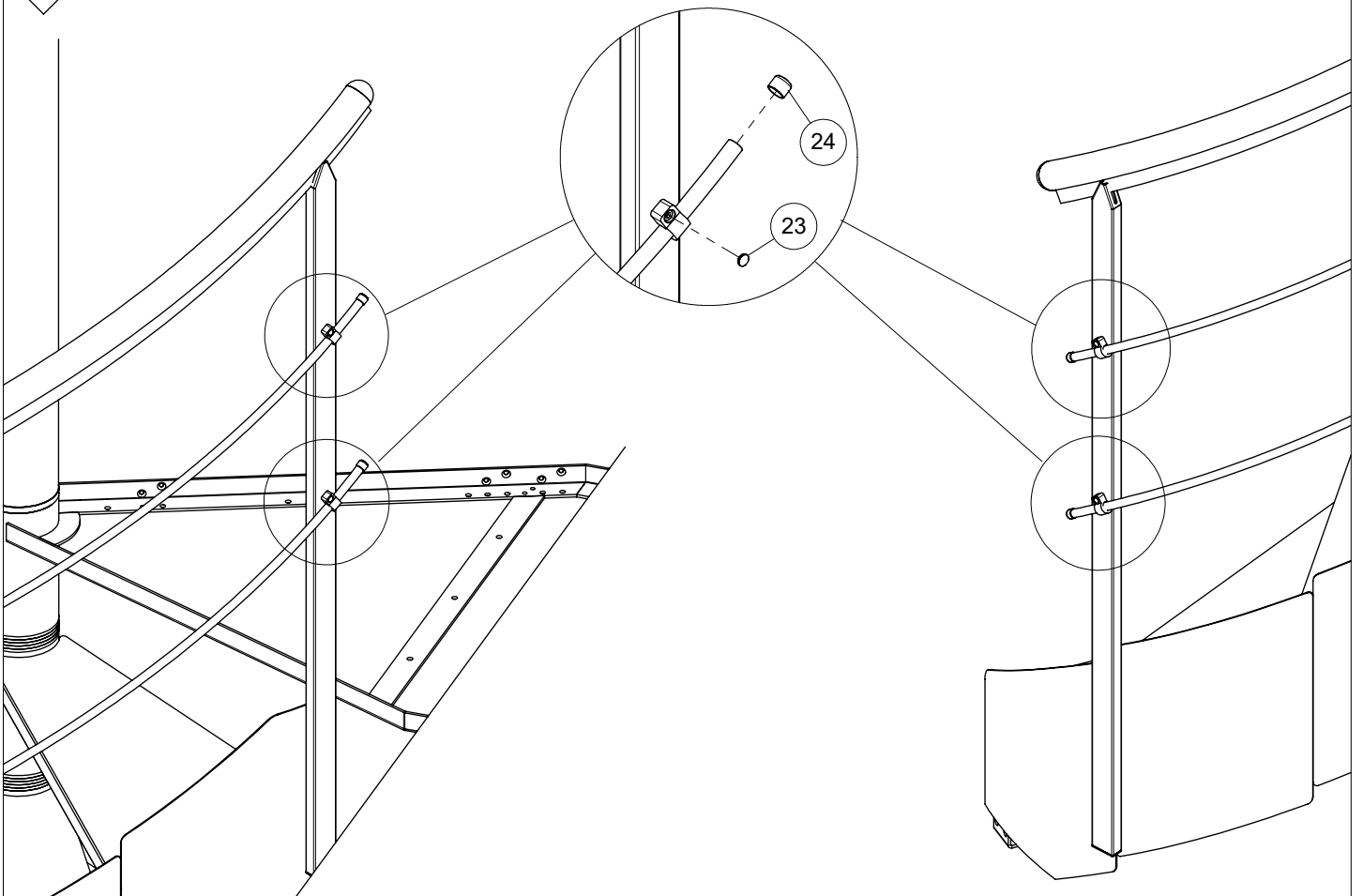




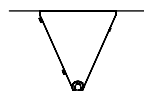
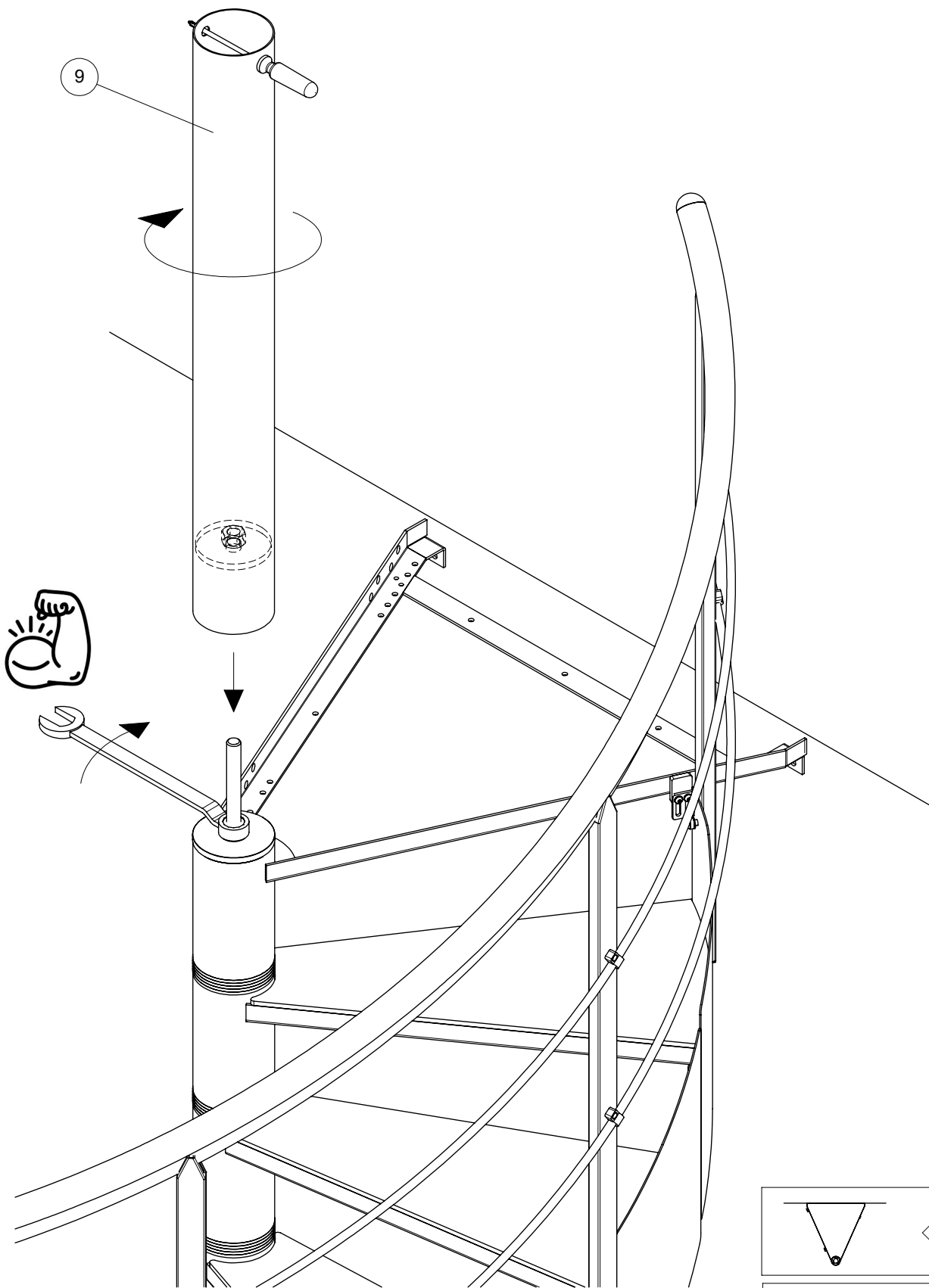
35



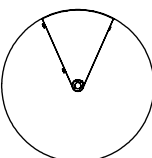
36



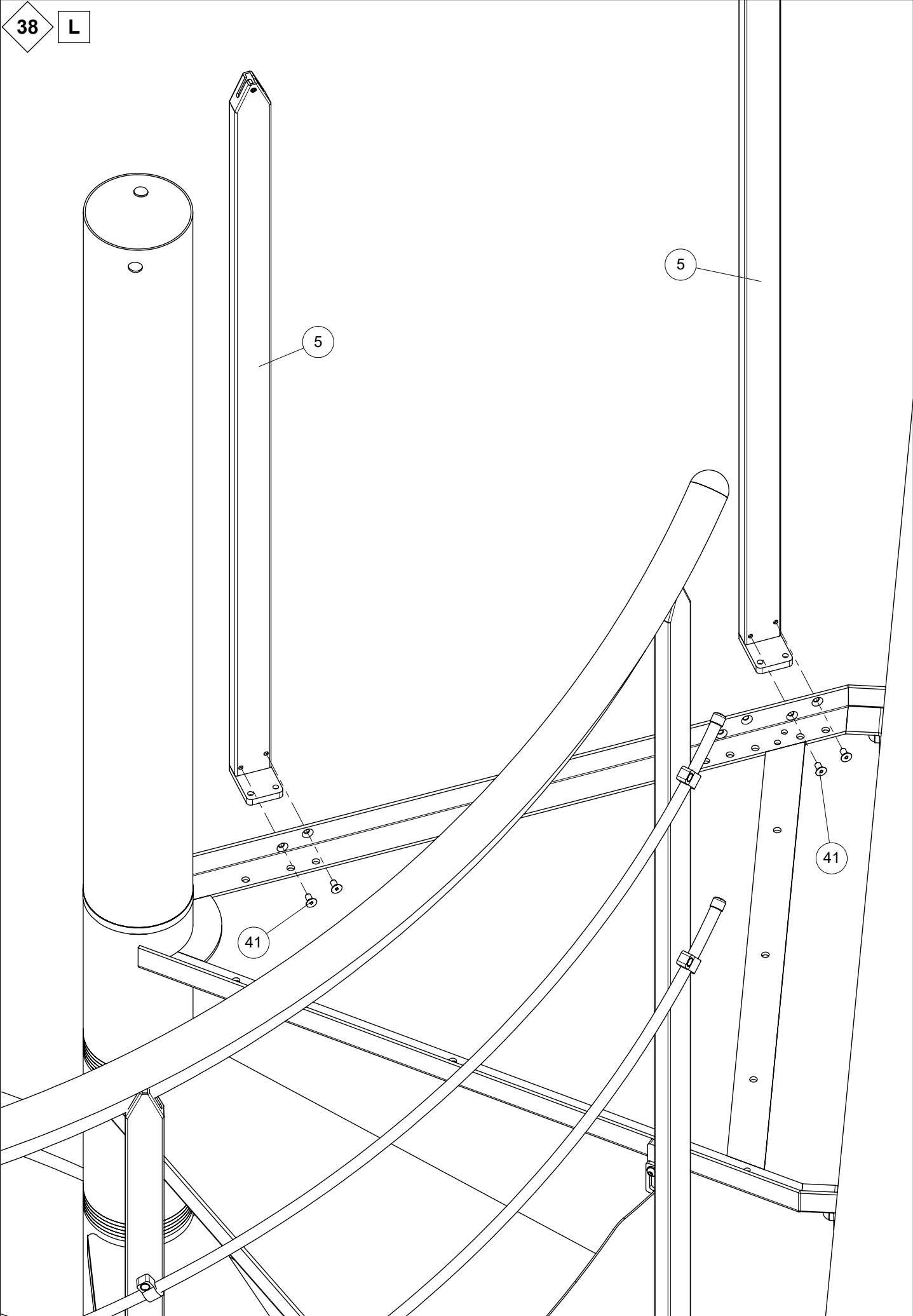
37

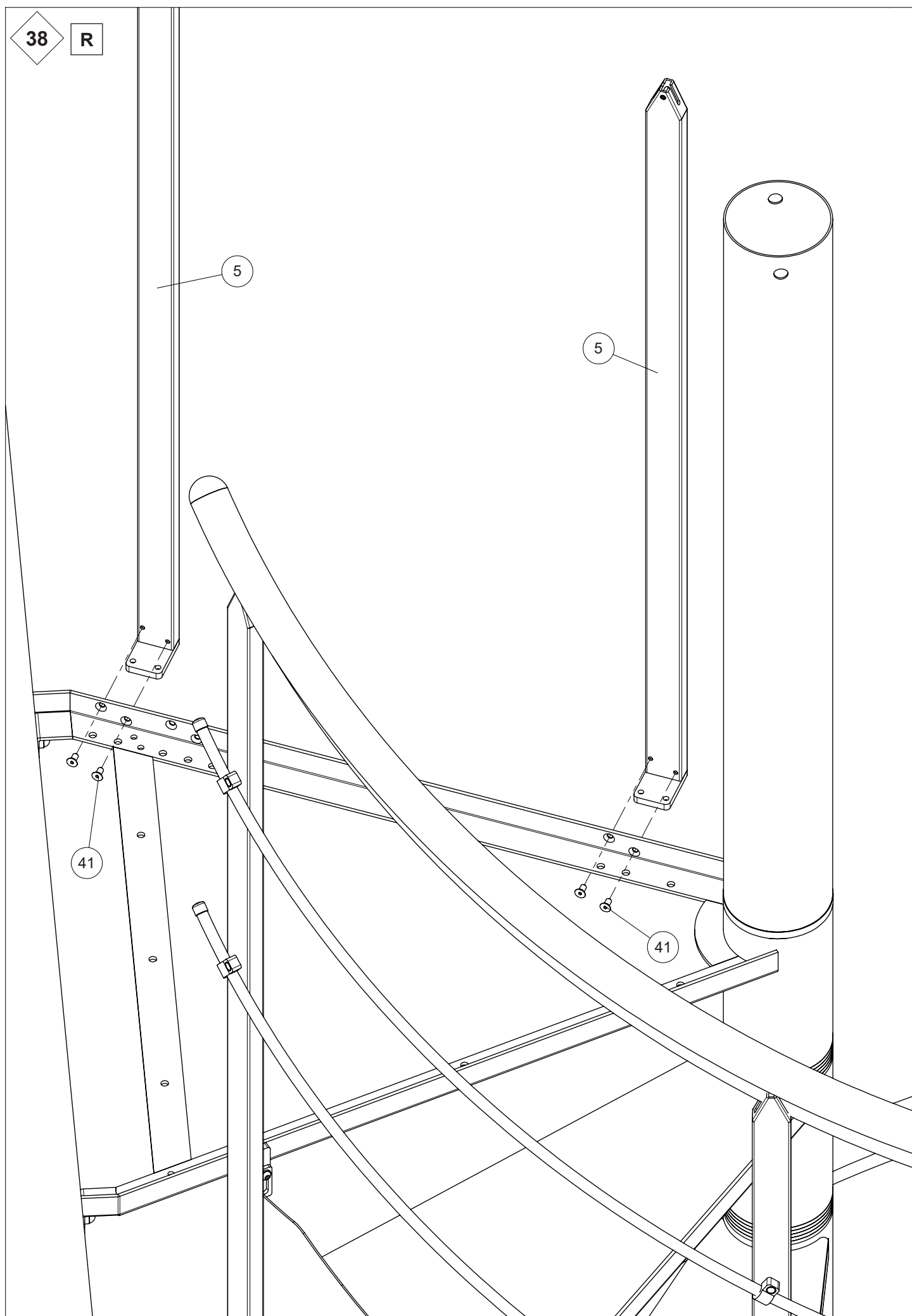


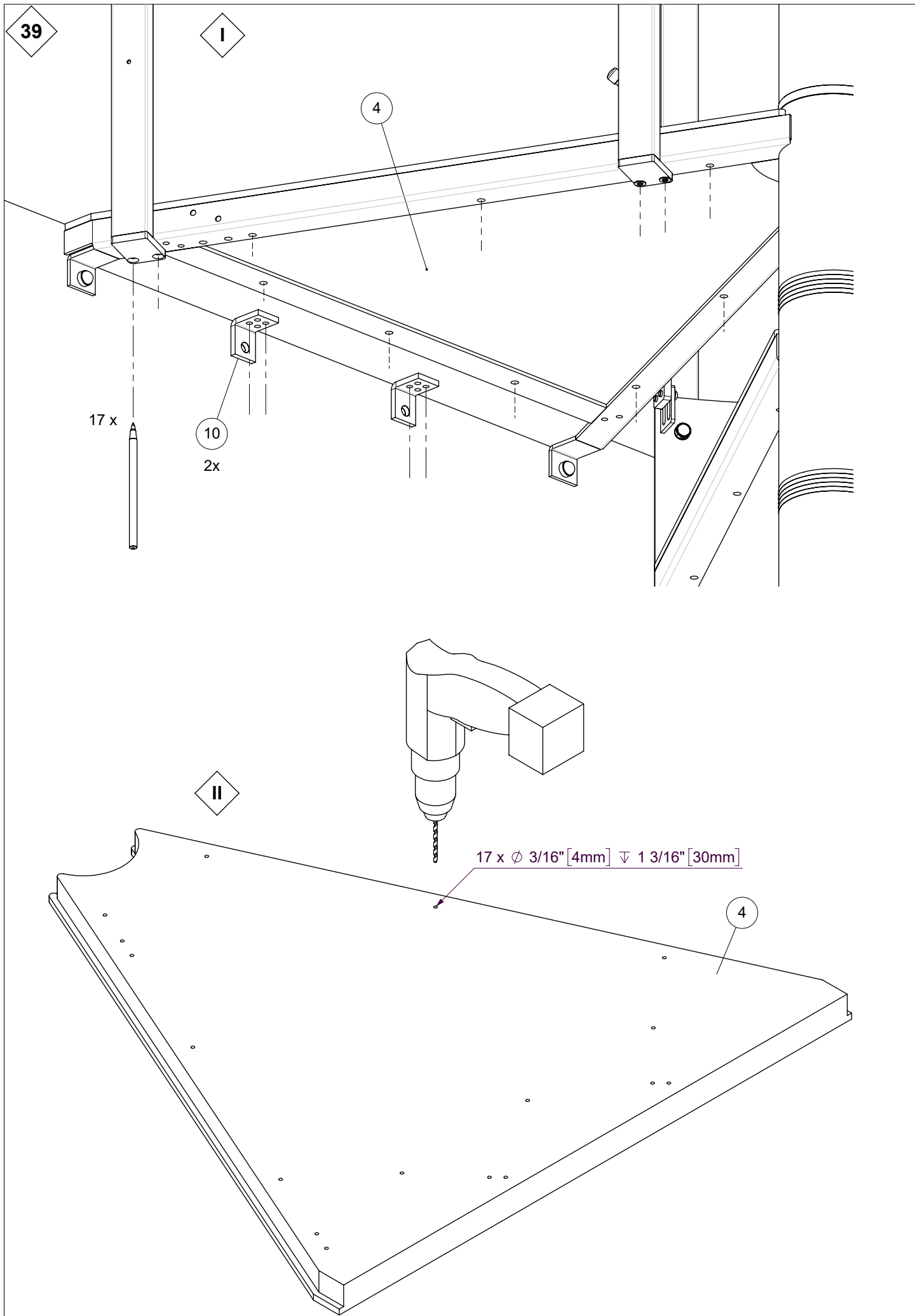
38

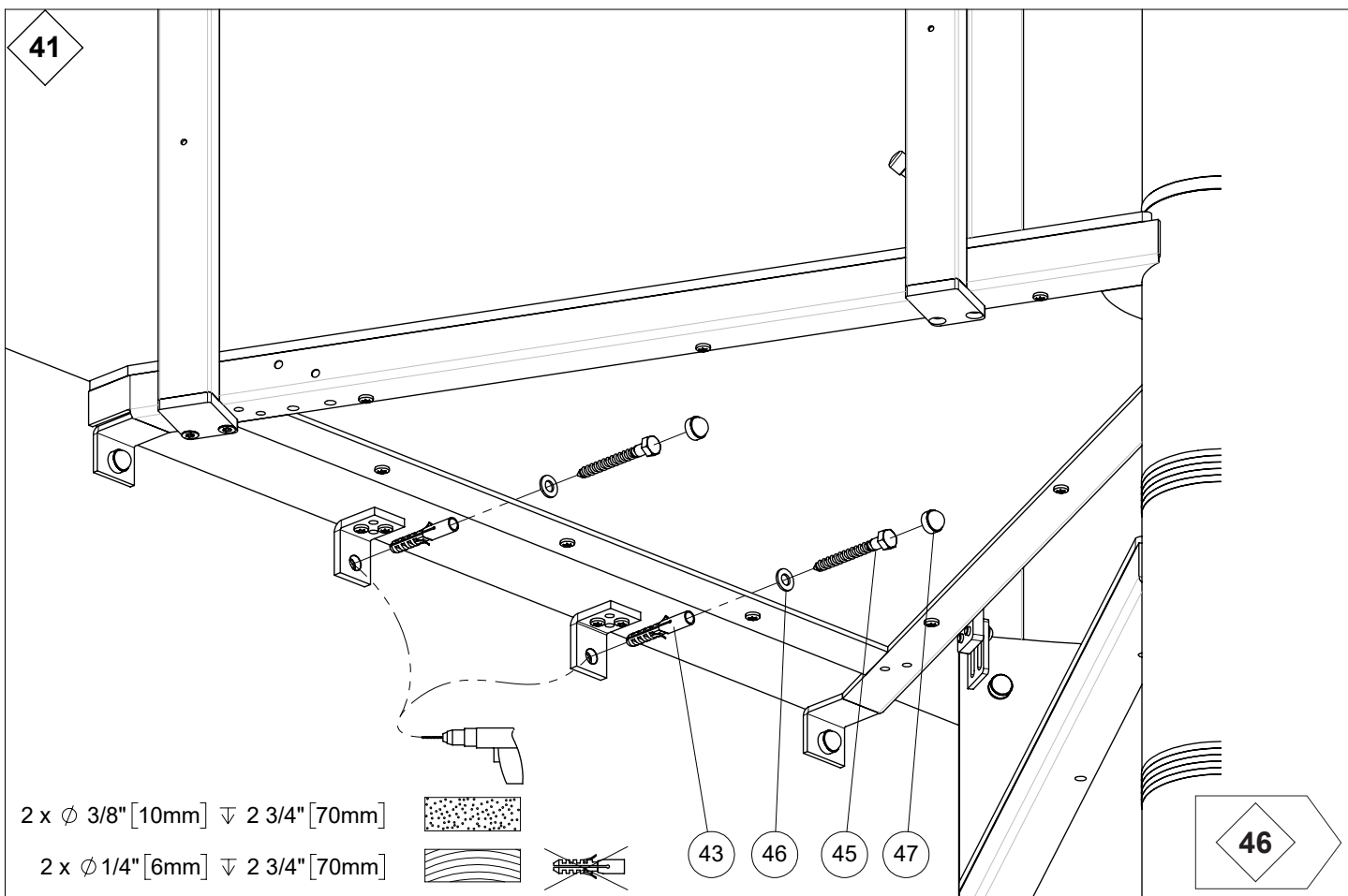
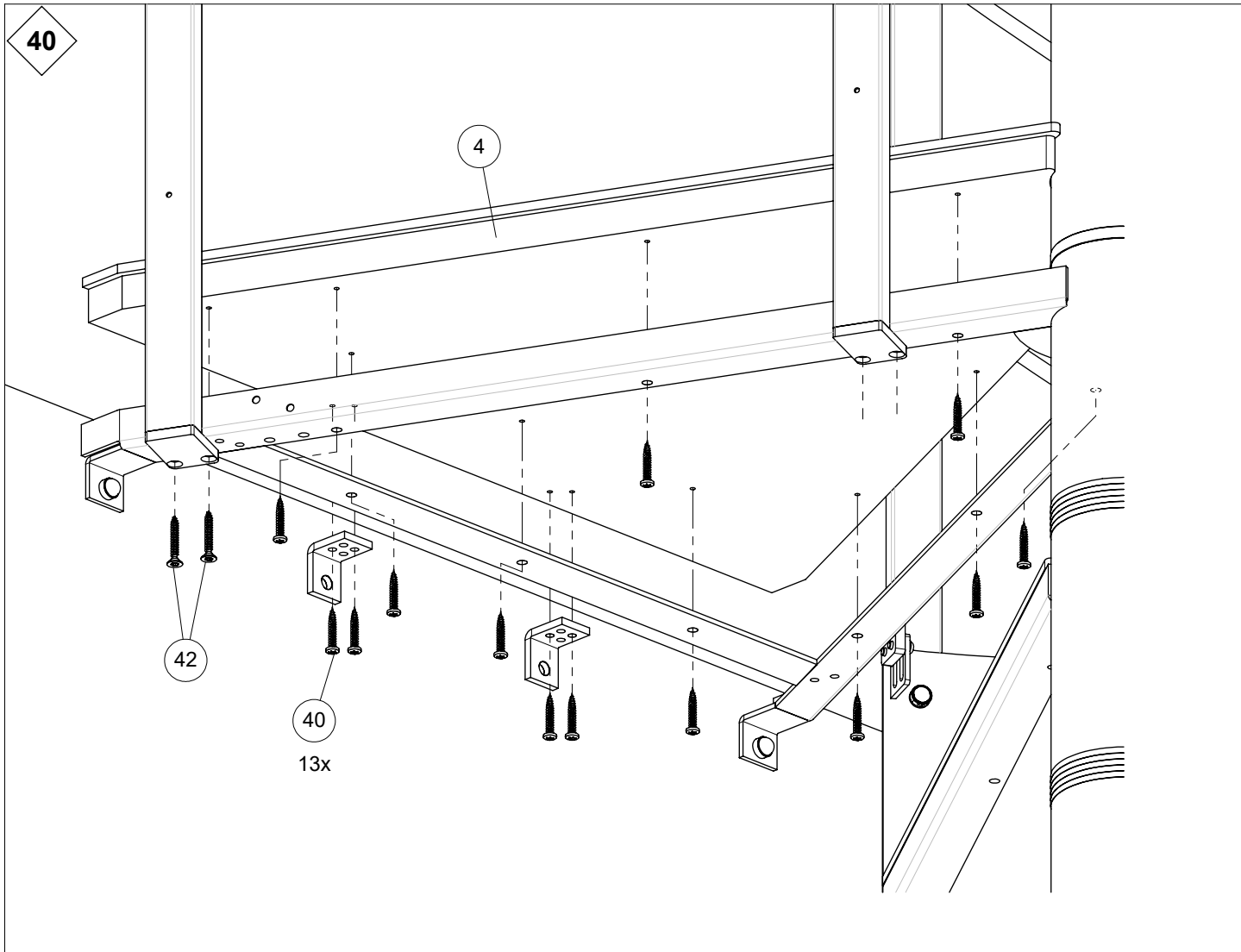


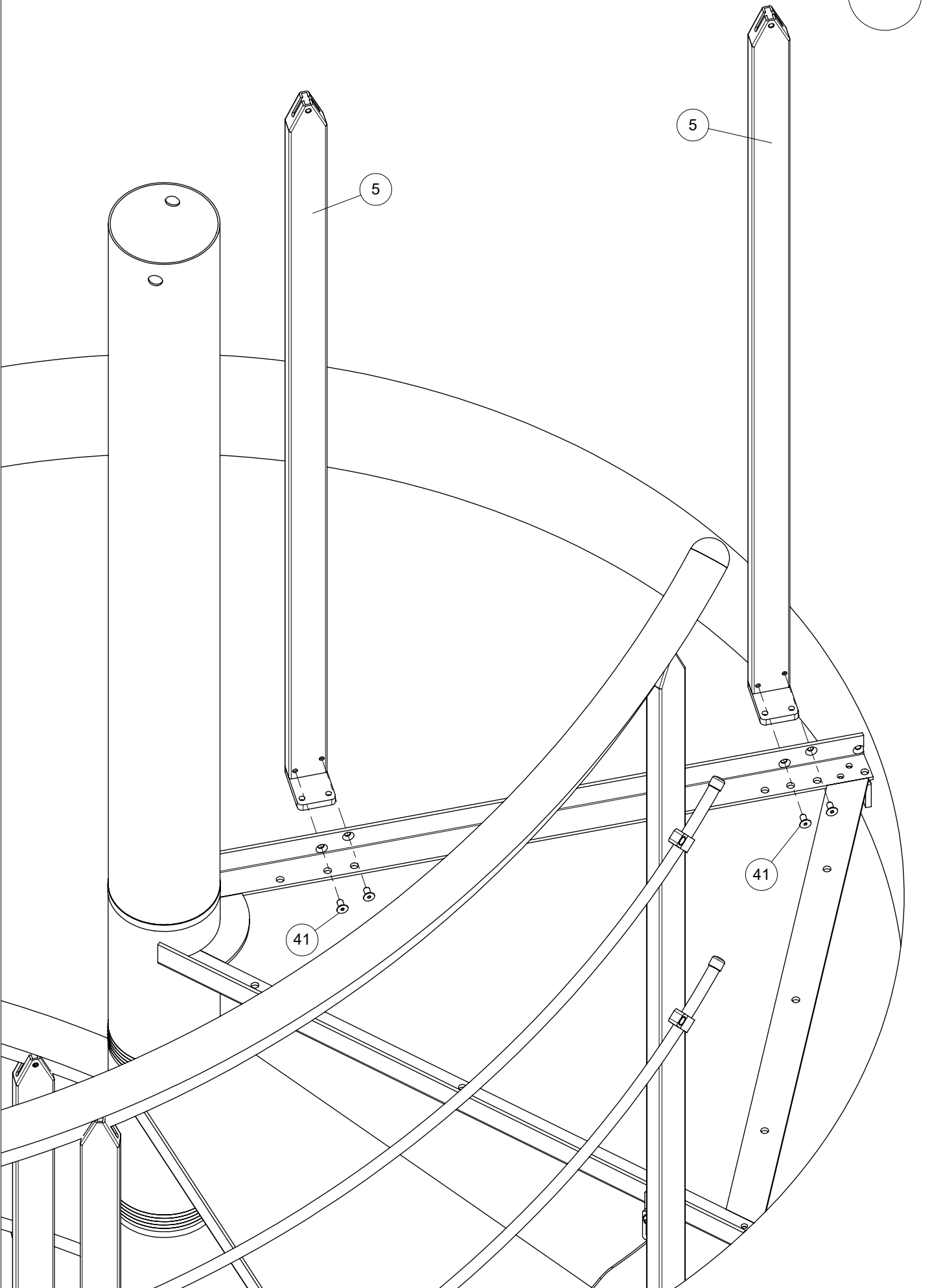
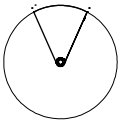
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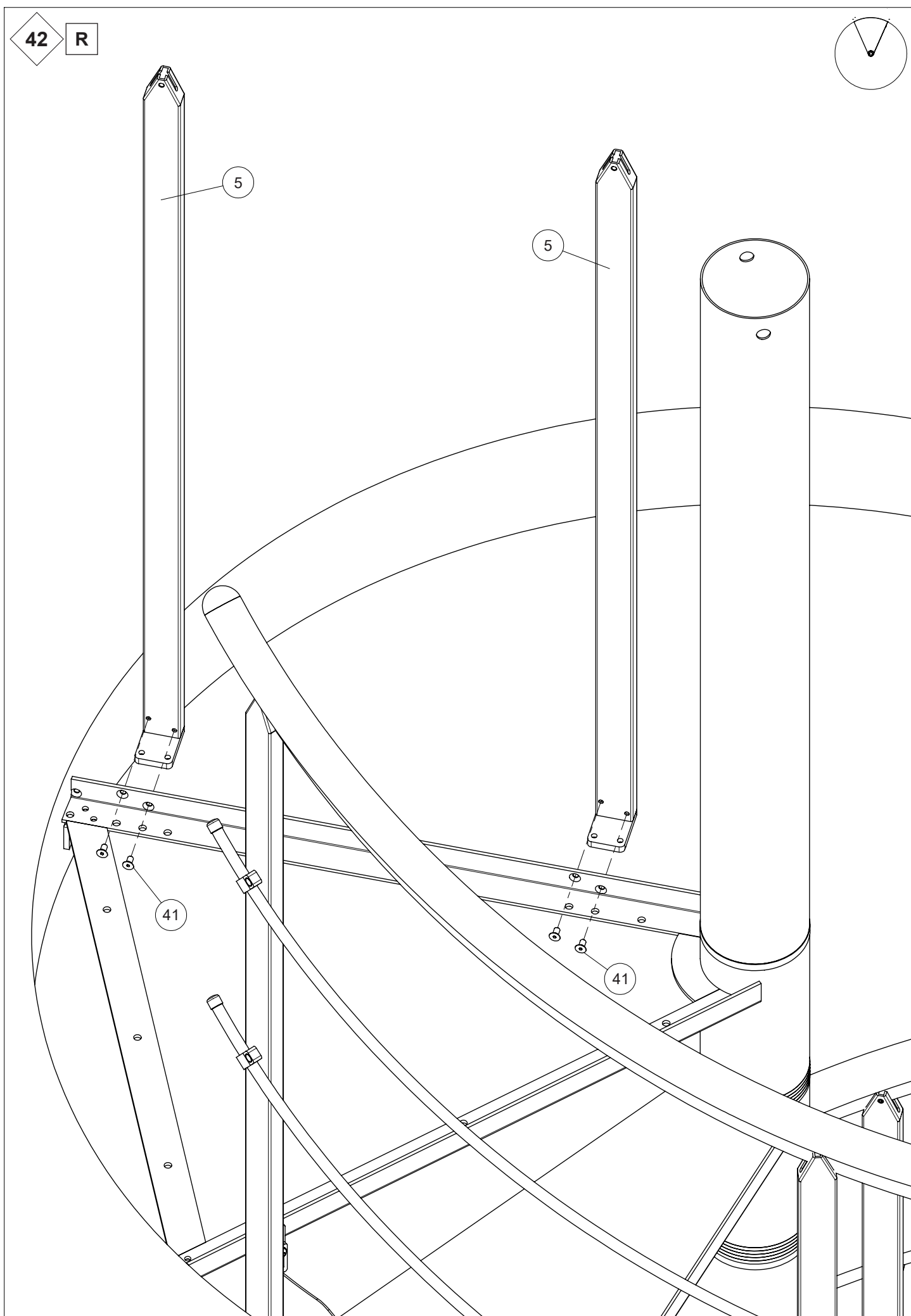
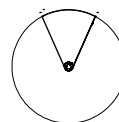


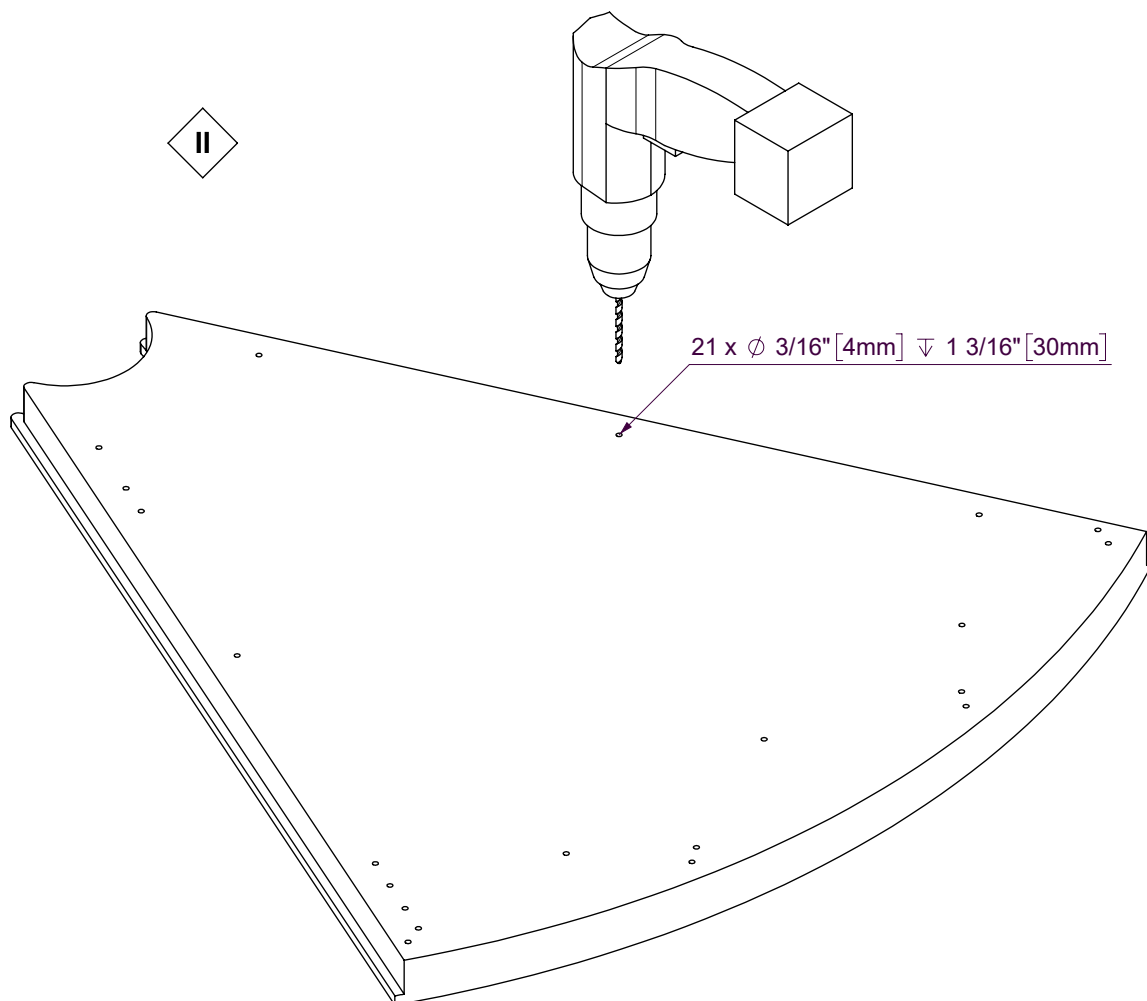
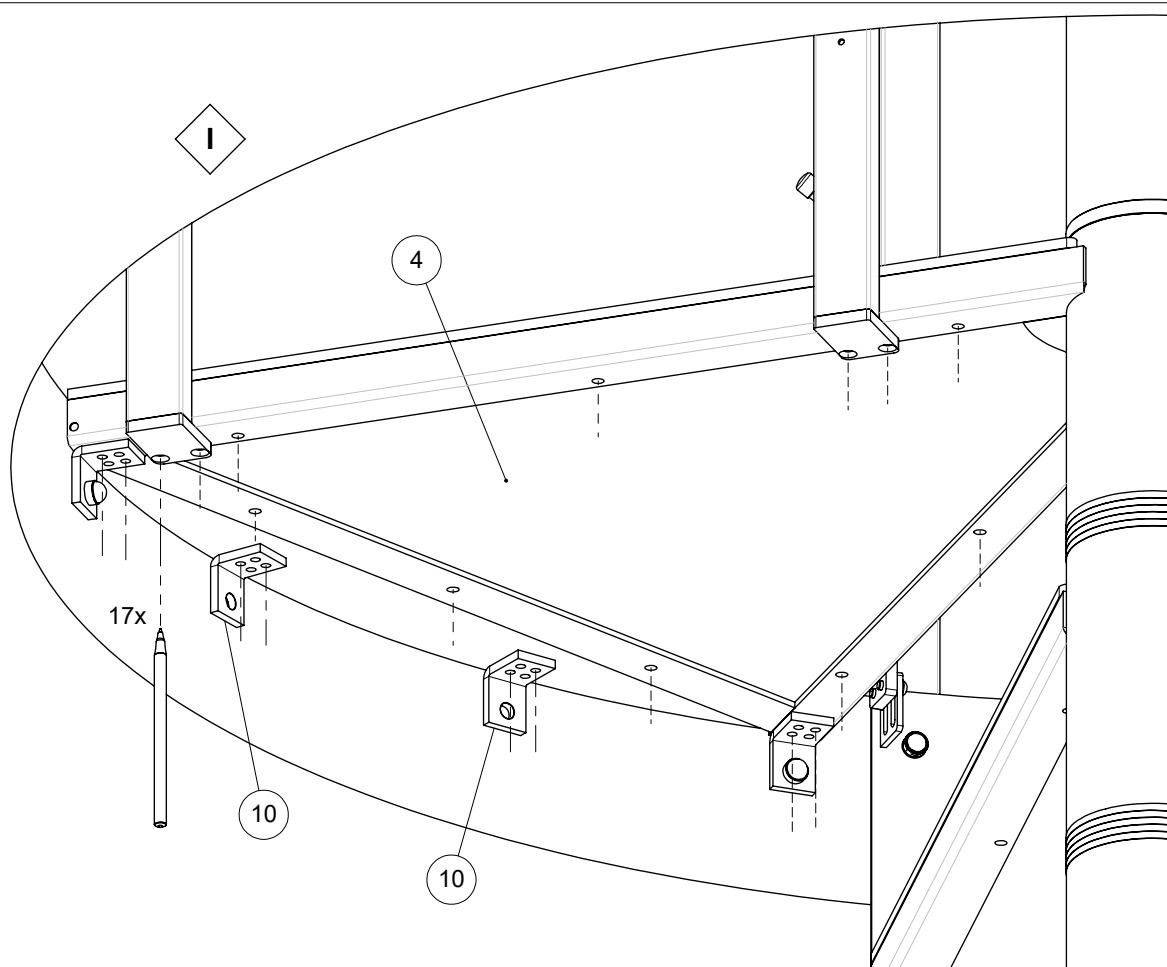




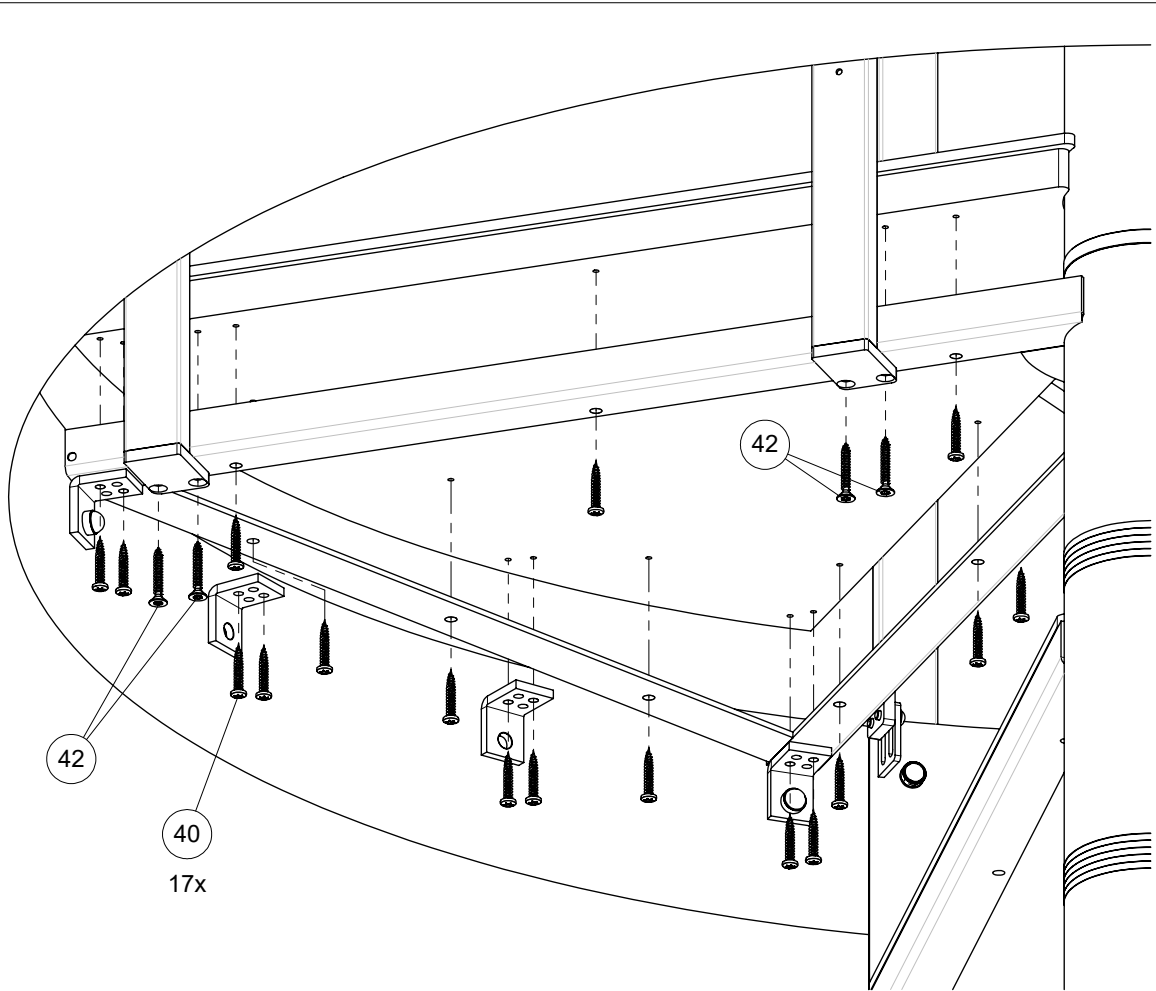




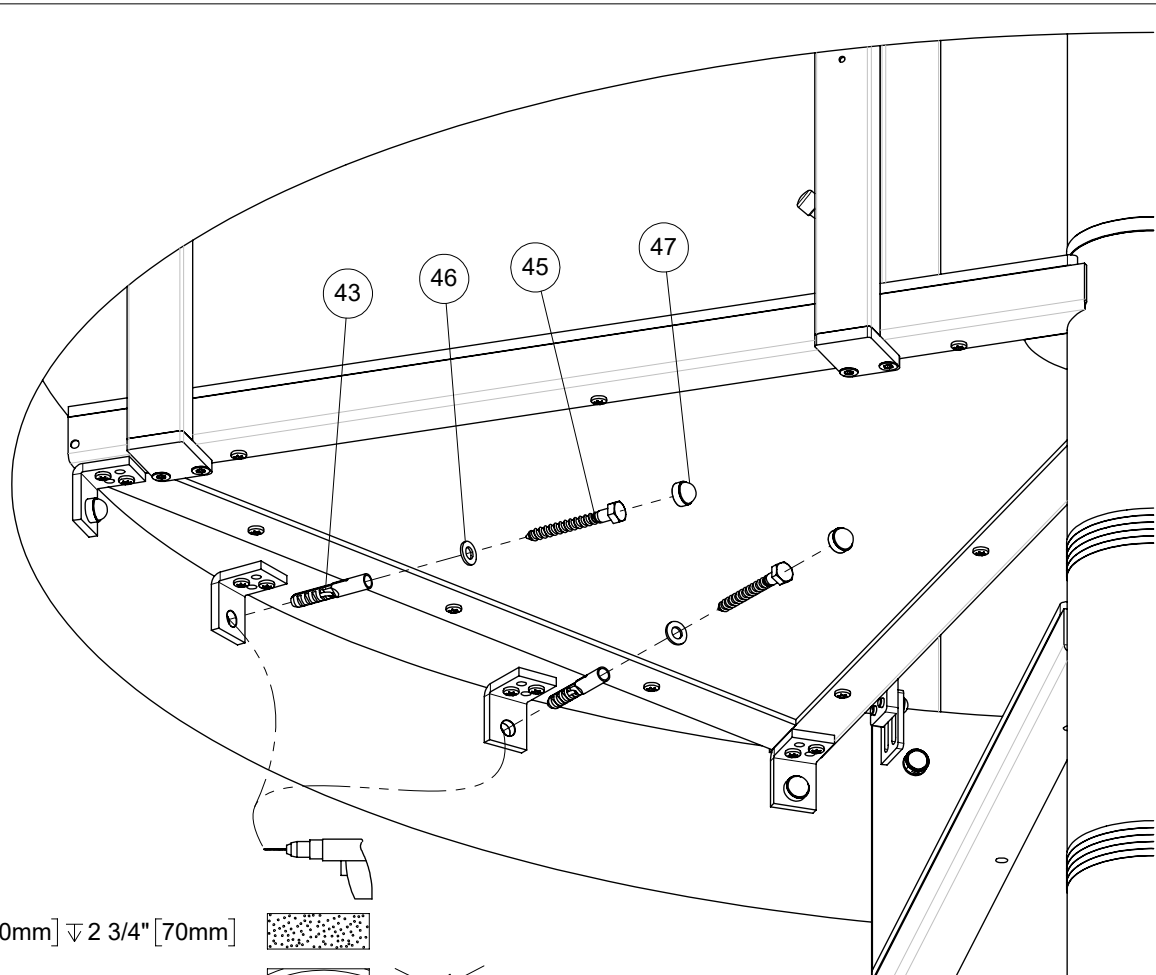




44



45



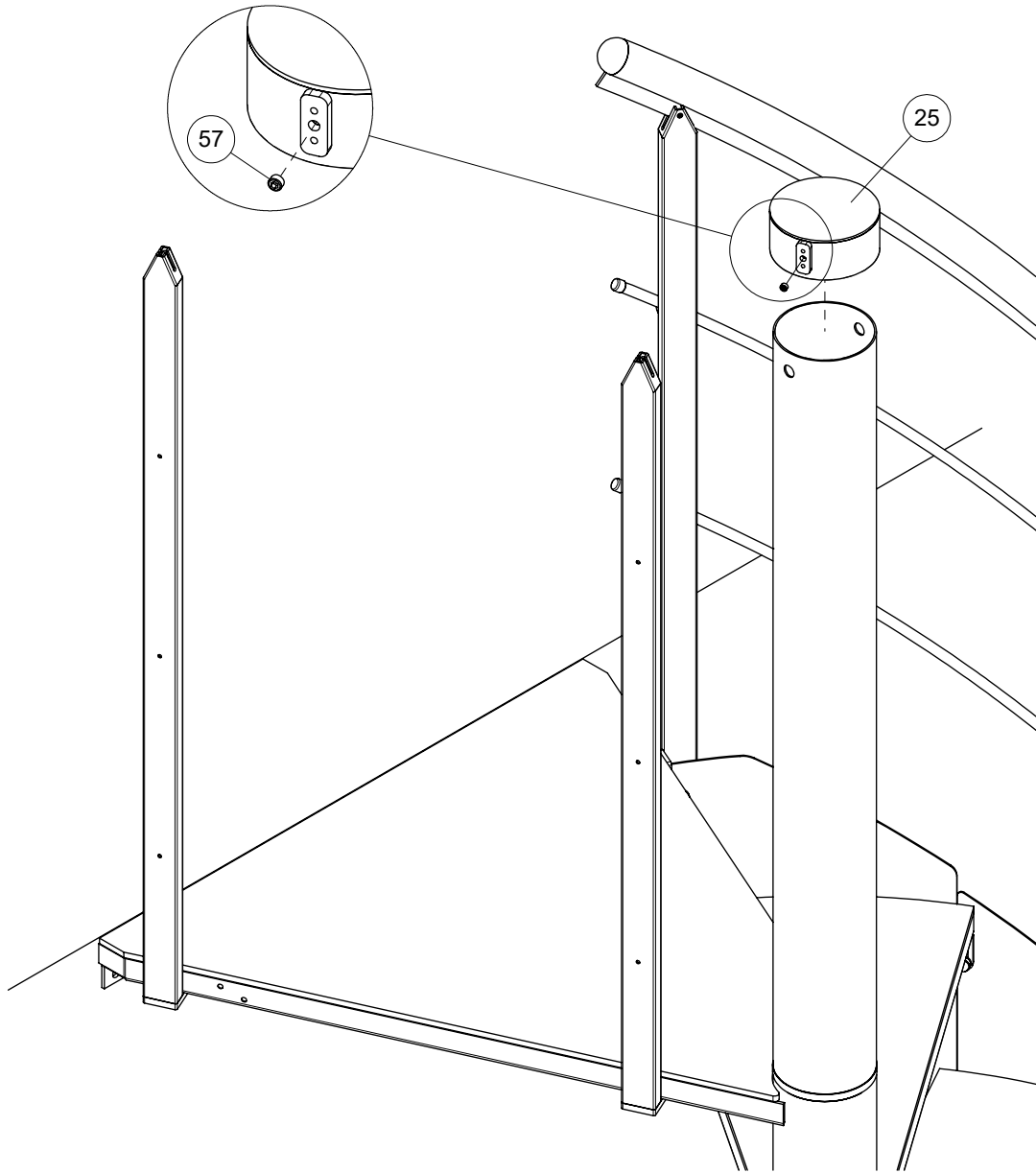
2 x $\phi 3/8"$ [10mm] ∇ 2 3/4" [70mm]



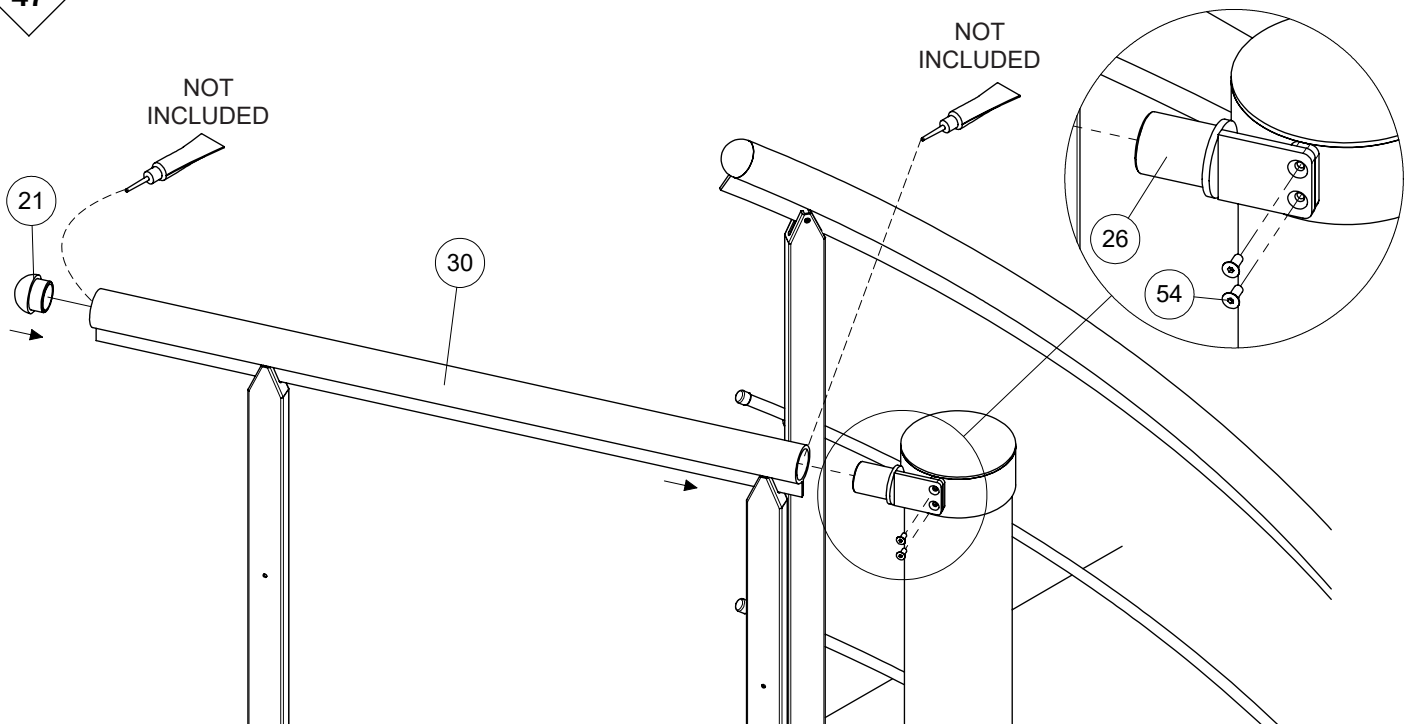
2 x $\phi 1/4"$ [6mm] ∇ 2 3/4" [70mm]

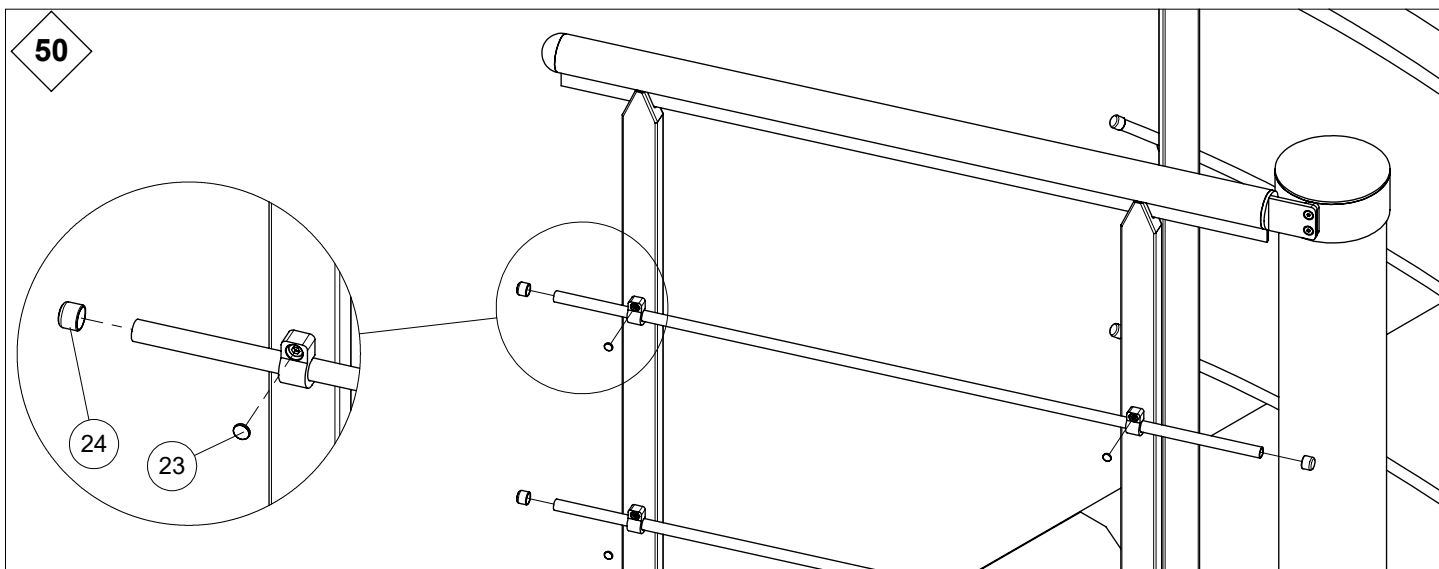
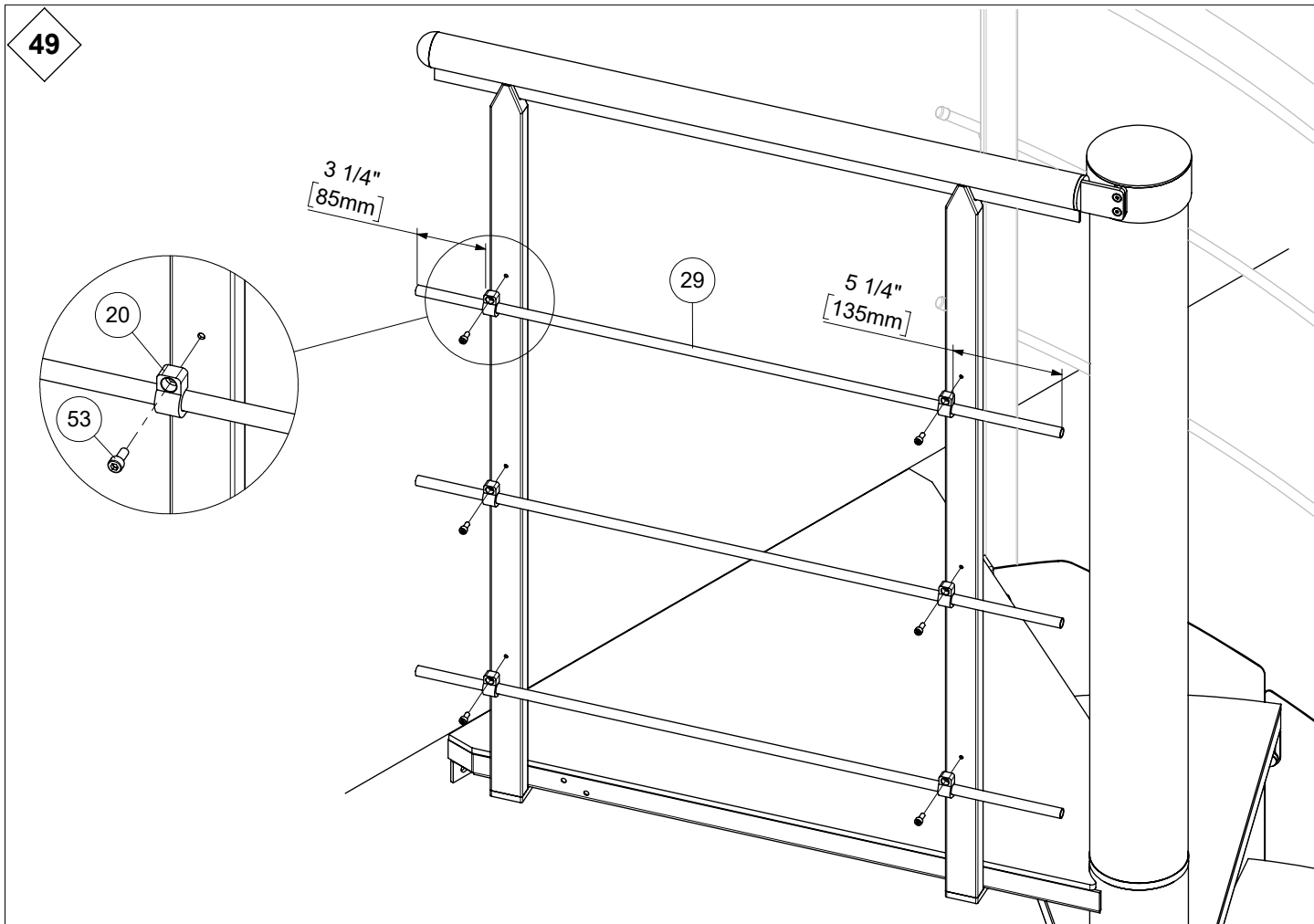
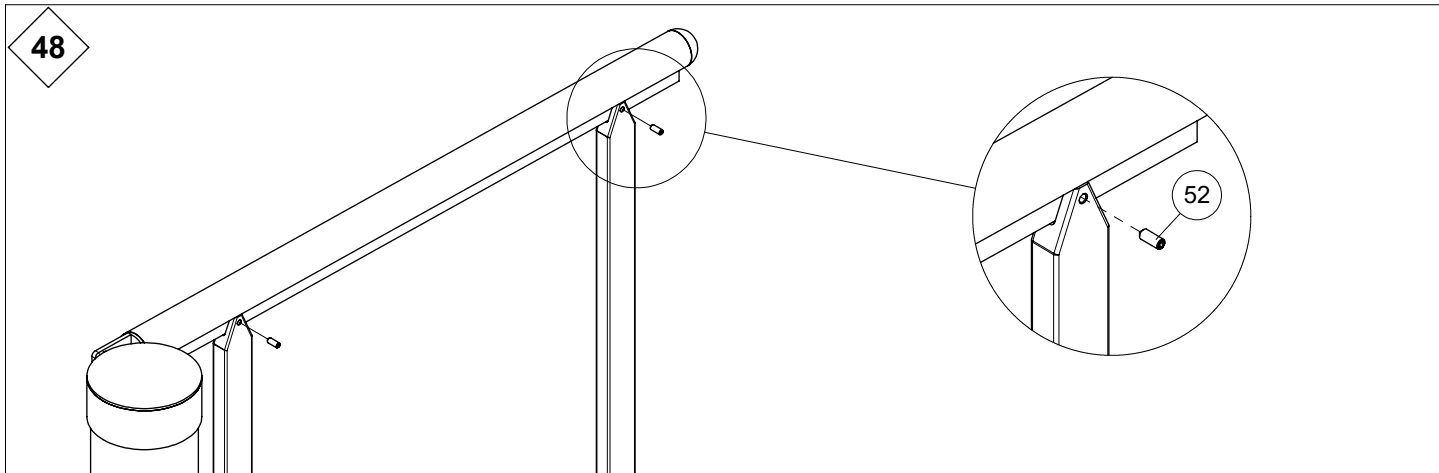


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47





51

