

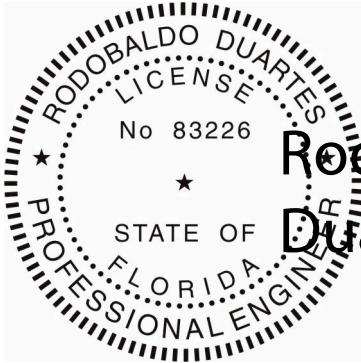
Wind Load Calculations

for

Playground Equipment

at

**Gary Matzner Park
6610 N Kendall Dr. Pinecrest, FL**



**Rodobaldo
Duarte**

Digitally signed by
Rodobaldo Duarte

Date: 2025.11.03 14:36:36
-05'00'

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Design Parameters

Materials Parameters

γ_{Soil}	110	lb/ft^3
γ_{Concrete}	150	lb/ft^3

Wind Load Parameters

Risk Category	II	No Need to consider Tornado Loads as per FBC 8th ED. Section 1609.5	
Exposure	D	Wind Exposure, See FBC 8th ED. Section 1609.4 Exposure Category.	
V_{ult}	168	<i>mph</i>	Nominal Wind Speed, Visit https://ascehazardtool.org/ for wind speed.
V_{asd}	130	<i>mph</i>	Nominal Wind Speed, See FBC 8th ED. Section 1609.3.1, Equation 16-17, $V_{asd} = V_{ult} * (0.6)^{0.5}$
K_z	1.08	Exposure Coefficient, See ASCE 7-22, Table 26.10-1	
K_{zt}	1	Topographic Factor, ASCE 7-22, See Section 26.6	
K_e	1	Ground Elevation Factor, ASCE 7-22, See Section 26.9	
q_z	46.8	lb/ft^2	Velocity Pressure, ASCE 7-22, Equation 26.10-1, $P = 0.00256 * K_z * K_{zt} * K_e * V^2$
K_d	0.85	Wind Directionality Factor, See ASCE 7-22, Section 26.6	
G	0.85	Gust-Effect Factor, See ASCE 7-22, Section 26.11	
C_f	2	Force Coefficients From ASCE 7-22, Figure 29.4-2	
P	67.7	lb/ft^2	Design Wind Pressure, Based On ASCE 7-22 Equation 29.4-1, $F = q_z * K_d * G * C_f$

Design Method

For this equipment, two wind loading conditions have been analyzed:

1. **Uplift (Vertical Wind Loading)**
2. **Overturning (Horizontal Wind Loading)**

1. Vertical Wind Loading (Uplift)

In this condition, the vertical uplift forces induced by wind are compared to the self-weight of the foundation.

- **Uplifting Force**

The total uplifting force is calculated as:

$$\text{Uplifting Force (lb.)} = (\text{Horizontal Surface Area}) * (\text{Design Pressure})$$

- **Resisting Force**

The resisting force is taken as the total weight of the concrete footings supporting the equipment:

$$\text{Resisting Force (lb.)} = \Sigma (\text{Foundation Self-Weight})$$

- **Factor of Safety**

The factor of safety against uplift is given by:

$$\text{Uplift FOS} = (\text{Resisting Force}) / (\text{Uplifting Force})$$

Note:

Soil pullout resistance and the self-weight of the equipment have been neglected in this calculation. Inclusion of either would result in a higher factor of safety.

(Refer to **Appendix (I)** for detailed Illustration.)

2. Horizontal Wind Loading (Overturning)

In this condition, the lateral wind forces acting on the equipment are evaluated to ensure stability against overturning.

- **Method of Analysis**

Stability is checked by summing moments of all forces about a reference point **M** (typically the toe of the footing / structure).

- **Resisting Moment**

Provided by the self-weight of the foundation and equipment, acting at their respective lever arms relative to point **M**.

$$\text{Resisting Moment (lb.-ft)} = \Sigma [(Total Weight) * (Distance to Datum)]$$

- **Overturning Moment**

Produced by the wind force acting at its resultant height above point **M**.

$$\text{Overturning Moment (lb.-ft)} = \Sigma [(Vertical Surface Area) * (Design Pressure) * (Mean Height) + (Horizontal Surface Area) * (Design Pressure) * (Distance to Datum)]$$

- **Factor of Safety**

The factor of safety against overturning is expressed as:

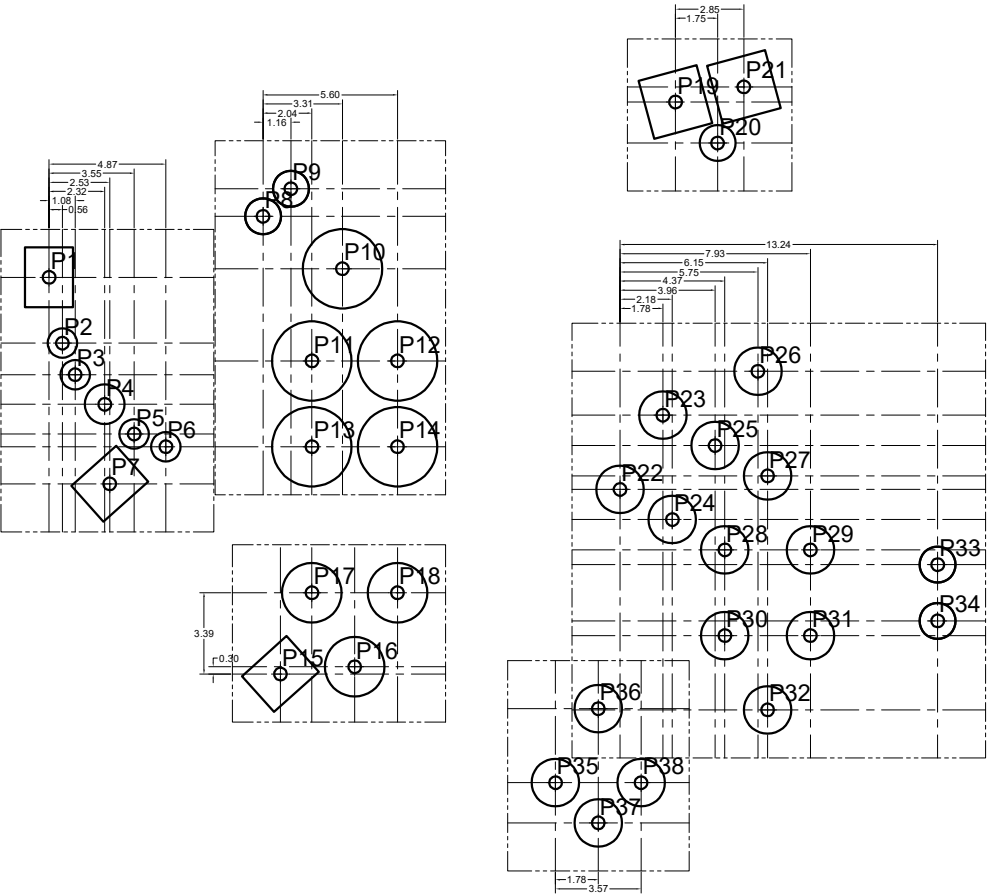
$$\text{Overturning FOS} = (\text{Resisting Moment}) / (\text{Overturning Moment})$$

(Refer to **Appendix (I)** for detailed Illustration.)

Foundation Design Schedule

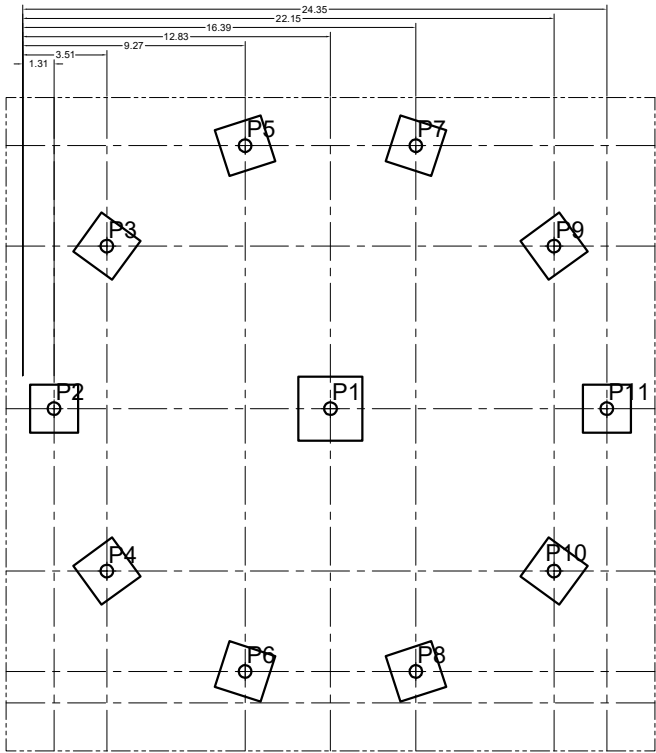
Engineered Footings					
#	Equipment	Footer Dimensions	Footer Reinforcement	Concrete Grade	Conc. Vol. (ft ³)
A	Warlock's Escape NRC400101-1001	Ø15" × 54" Ø18" × 36" Ø20" × 54" Ø24" × 42" Ø30" × 42" Ø42" × 48" 24" × 30" × 36" 24" × 30" × 54" 30" × 30" × 54"	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	590
B	Spinner Bowl ELE400024-3717BL	Ø18" × 36"	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	5.3
C	Waterlilies NRO820-0601	Ø12" × 24"	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	7.85
D	Tree Climber NRO834-1001	24" × 24" × 40" @ Edges 32" × 32" × 40" @ Center	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	157
E	Stilts NRO806-0601	10" × 24" × 30"	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	25
F	Parkour 5 NRO857-1003	Ø24" × 40" Ø28" × 48" Ø30" × 40" 10" × 20" × 25" 18" × 30" × 40" 20" × 24" × 40" 20" × 36" × 40" 20" × 30" × 40"	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	226
G	Birds Nest Swing NRO911-1101	18" × 30" × 43"	Minimum (4) × #5 vertical bars with #3 ties @8" o.c. Maintain 3" clear cover.	3,000 psi (C25/30)	53.75

A. Warlock's Escape
(NRC400101-1001)



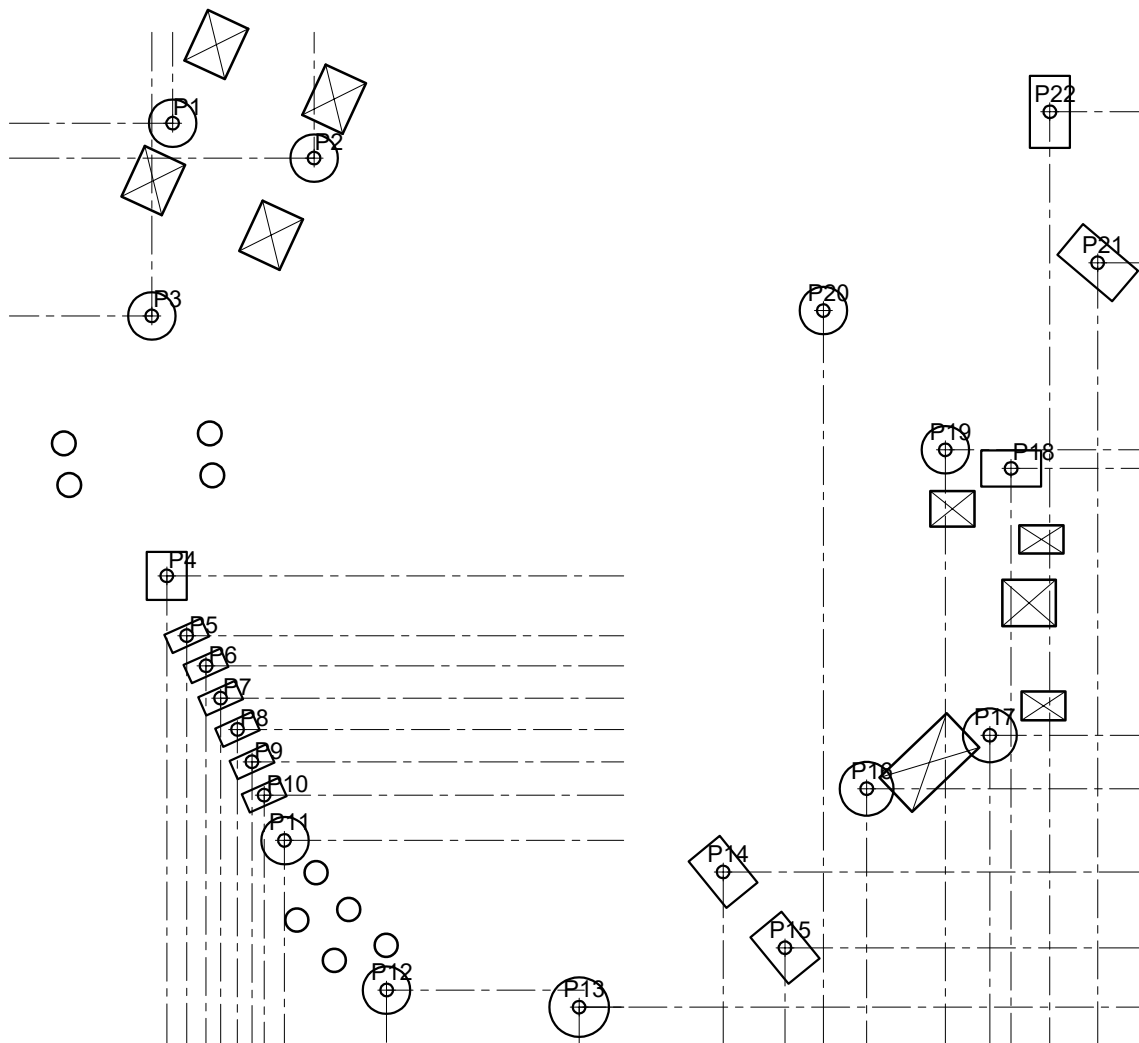
FOOTINGS LAYOUT

D. Tree Climber
(NRO834-1001)



FOOTINGS LAYOUT

F. Parkour 5
(NRO857-1003)



FOOTINGS LAYOUT

Foundation Calculations Schedule

#	Equipment	L (ft)	W (ft)	H (ft)	Footer #	Dia. / L (ft)	W (ft)	Depth (ft)	Excav. Depth (ft)	Excav. Vol. (ft³)	Conc. V ol (ft³)	Fill Weight (lb)	Footer Weight (lb)	Top Area (ft²)	Downw ard Force (lb)	Upward Wind Force (lb)	Uplift FOS	HZ Lever Arm (ft)	M (Weights) (lb.ft)	M _{existing} (lb.ft)	VL Lever Arm (ft)	Elev. Area (ft²)	M _{wind} Lateral (lb.ft)	O.T. FOS	Overall FOS	
					P1	2.00	2.50	4.50	5.00	25.0	22.5	275	3375						1	3650						
					P2	1.25	-	4.50	5.00	6.1	5.5	67	828						1.56	1398						
					P3	1.25	-	4.50	5.00	6.1	5.5	67	828						2.08	1863						
					P4	1.67	-	4.50	5.00	10.9	9.8	120	1473	8	12476	541	23.05	3.32	5287	34418	5.3	62	22232	1.55		
					P5	1.25	-	4.50	5.00	6.1	5.5	67	828						4.55	4076						
					P6	1.25	-	4.50	5.00	6.1	5.5	67	828						5.87	5259						
					P7	2.00	2.50	4.50	5.00	25.0	22.5	275	3375						3.53	12885						
					P8	1.50	-	3.00	3.50	6.2	5.3	97	795						0.75	689						
					P9	1.50	-	3.00	3.50	6.2	5.3	97	795						1.91	1705						
					P10	3.50	-	4.00	4.50	43.3	38.5	529	5773						4.06	25585						
					P11	3.50	-	4.00	4.50	43.3	38.5	529	5773	62	33294	4195	7.94	2.79	17582	143157	9.0	146	88899	1.61		
					P12	3.50	-	4.00	4.50	43.3	38.5	529	5773						6.35	40017						
					P13	3.50	-	4.00	4.50	43.3	38.5	529	5773						2.79	17582						
					P14	3.50	-	4.00	4.50	43.3	38.5	529	5773						6.35	40017						
					P15	2.00	2.50	3.00	3.50	17.5	15.0	275	2250						1.3	3701						
					P16	2.50	-	3.50	4.00	19.6	17.2	270	2577						4.39	12499	31223	5.3	53	19004	1.64	
					P17	2.50	-	3.50	4.00	19.6	17.2	270	2577	33	11066	2233	4.96	4.39	12499							
					P18	2.50	-	3.50	4.00	19.6	17.2	270	2577						4.39	12499						
					P19	2.50	2.50	4.50	5.00	31.3	28.1	344	4219						1.25	5703						
A	Watlock's Escape NRC400101-1001	51.17	30.58	17.83	P20	2.00	-	3.50	4.00	12.6	11.0	173	1649	29	10947	1962	5.58	3	5466	29876	5.3	53	19004	1.57	1.53	
					P21	2.50	2.50	4.50	5.00	31.3	28.1	344	4219						4.1	18706						
					P22	2.00	-	3.50	4.00	12.6	11.0	173	1649						1	1822						
					P23	2.00	-	3.50	4.00	12.6	11.0	173	1649						2.78	5066						
					P24	2.00	-	3.50	4.00	12.6	11.0	173	1649						3.18	5794						
					P25	2.00	-	3.50	4.00	12.6	11.0	173	1649						4.96	9038						
					P26	2.00	-	3.50	4.00	12.6	11.0	173	1649						5.37	9785						
					P27	2.00	-	3.50	4.00	12.6	11.0	173	1649						5.37	9785						
					P28	2.00	-	3.50	4.00	12.6	11.0	173	1649	90	21828	6089	3.58	6.75	12299	137604	7.6	169	87297	1.58		
					P29	2.00	-	3.50	4.00	12.6	11.0	173	1649						7.15	13028						
					P30	2.00	-	3.50	4.00	12.6	11.0	173	1649						7.15	13028						
					P31	2.00	-	3.50	4.00	12.6	11.0	173	1649						8.93	16272						
					P32	2.00	-	3.50	4.00	12.6	11.0	173	1649						8.93	16272						
					P33	1.50	-	3.00	3.50	6.2	5.3	97	795						14.24	12708						
					P34	1.50	-	3.00	3.50	6.2	5.3	97	795						14.24	12708						
					P35	2.00	-	3.50	4.00	12.6	11.0	173	1649						1	1822						
					P36	2.00	-	3.50	4.00	12.6	11.0	173	1649						2.78	5066	20280	5.3	37	13267	1.53	
					P37	2.00	-	3.50	4.00	12.6	11.0	173	1649						2.78	5066						
					P38	2.00	-	3.50	4.00	12.6	11.0	173	1649						4.57	8327						
B	Spinner Bowl ELE400024-3717BL	1.67	1.83	2.00	P1	1.50	-	3.00	3.50	6.2	5.3	97	795	3	892	203	4.40	0.75	669	669	1	2.0	135	4.95	4.40	
C	Waterlilies Balance Posts NRO820-0601	7.08	3.50	1.08	P1	1.00	-	2.00	2.50	2.0	1.6	43	236	2.0	279	135	2.06	0.5	139	139	0.54	1.00	37	3.80	2.06	
					P1	1.00	-	2.00	2.50	2.0	1.6	43	236	2.0	279	135	2.06	0.5	139	139	0.54	1.00	37	3.80		
					P1	1.00	-	2.00	2.50	2.0	1.6	43	236	2.0	279	135	2.06	0.5	139	139	0.54	1.00	37	3.80		
					P1	1.00	-	2.00	2.50	2.0	1.6	43	236	2.0	279	135	2.06	0.5	139	139	0.54	1.00	37	3.80		

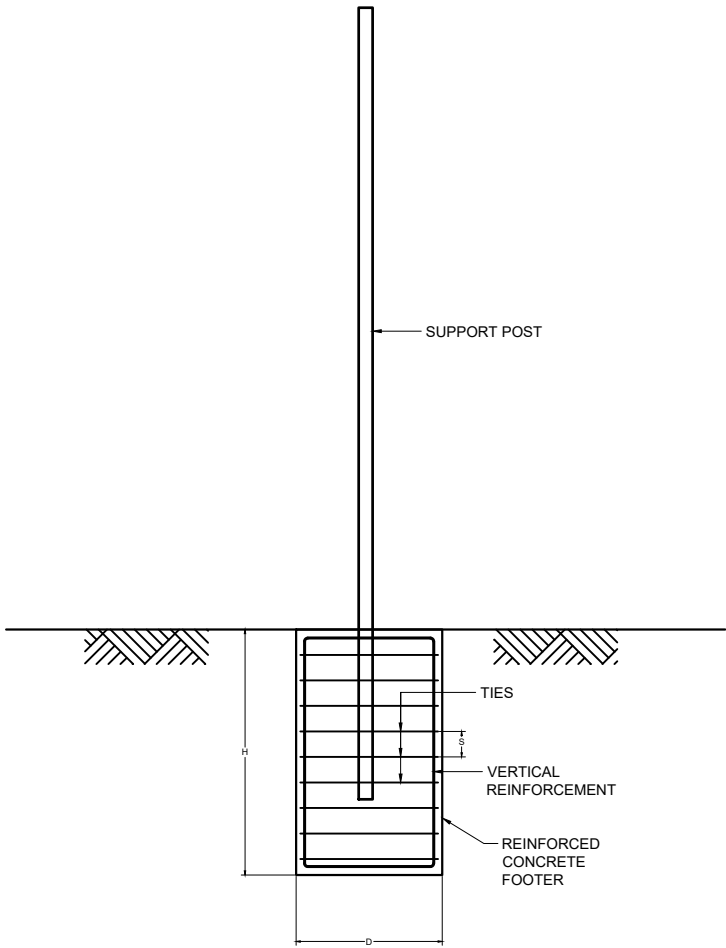
#	Equipment	L (ft)	W (ft)	H (ft)	Footer #	Dia. / L (ft)	W (ft)	Depth (ft)	Excav. Depth (ft)	Excav. Vol. (ft³)	Comp. V ol. (ft³)	Fill Weight (lb)	Footer Weight (lb)	Top Area (ft²)	Downw ard Force (lb)	Upward Wind Force (lb)	Uplift FOS	HZ Lever Arm (ft)	M (Weights) (lb.ft)	Massing (lb.ft)	VL Lever Arm (ft)	Elev. Area (ft²)	M Wind Lateral (lb.ft)	O.T. FOS	Overall FOS
D	Tree Climber NRO834-1001	21.33	21.33	17.08	P1	2.67	2.67	3.33	3.83	27.3	23.7	391	3556	117	26147	7916	3.30	9.27	20579	339408	8.6	74	42906	7.91	3.30
					P2	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P3	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P4	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P5	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P6	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P7	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P8	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P9	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
					P10	2.00	2.00	3.33	3.83	15.3	13.3	220	2000												
E	Stilts NRO806-0601	4.17	8.08	3.58	P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	2.58
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
					P1	0.83	2.00	2.50	2.50	4.2	4.2	0	625	1	625	68	9.24	1	625	625	1.79	2.00	242	2.58	
F	Parkour 5 NRO857-1003	43.25	40.42	8.92	P1	2.00	-	3.33	3.83	12.0	10.5	173	1571	2	1744	135	12.89	1	1744	1744	2.50	4.05	685	2.55	1.57
					P2	2.00	-	3.33	3.83	12.0	10.5	173	1571	2	1744	135	12.89	1	1744	1744	2.00	3.55	480	3.63	
					P3	2.00	-	3.33	3.83	12.0	10.5	173	1571	1	1744	68	25.77	1	1744	1744	2.00	4.00	541	3.22	
					P4	1.67	2.00	3.33	3.83	12.8	11.1	183	1667	1.5	1850	101	18.23	0.833	1542	1542	3.50	3.50	829	1.86	
					P5	1.67	0.83	2.08	2.58	3.6	2.9	76	434	1	510	68	7.54	0.833	425	425	2.00	2.00	271	1.57	
					P6	1.67	0.83	2.08	2.58	3.6	2.9	76	434	1	510	68	7.54	0.833	425	425	2.00	2.00	271	1.57	
					P7	1.67	0.83	2.08	2.58	3.6	2.9	76	434	1	510	68	7.54	0.833	425	425	2.00	2.00	271	1.57	
					P8	1.67	0.83	2.08	2.58	3.6	2.9	76	434	1	510	68	7.54	0.833	425	425	2.00	2.00	271	1.57	
					P9	1.67	0.83	2.08	2.58	3.6	2.9	76	434	1	510	68	7.54	0.833	425	425	2.00	2.00	271	1.57	
					P10	1.67	0.83	2.08	2.58	3.6	2.9	76	434	1	510	68	7.54	0.833	425	425	2.00	2.00	271	1.57	
G	Birds Nest Swing NRO911-1101	13.58	6.75	9.33	P1	2.50	1.50	3.58	3.58	13.4	13.4	0	2016	31	8063	2097	3.84	1.25	2520	40413	4.75	26	8355	4.84	3.84
					P2	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P3	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P4	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P1	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P2	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P3	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P4	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P1	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						
					P2	2.50	1.50	3.58	3.58	13.4	13.4	0	2016					8.775	17687						

Appendices

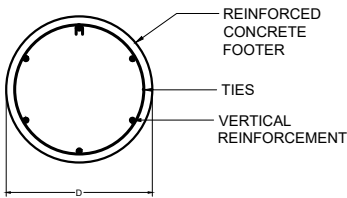
Appendix (I)

Typical Footer Details

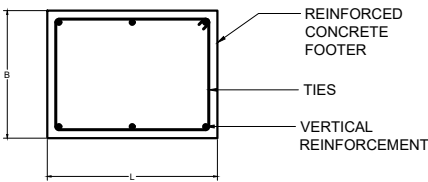
TYPICAL FOOTER DETAIL



SECTION



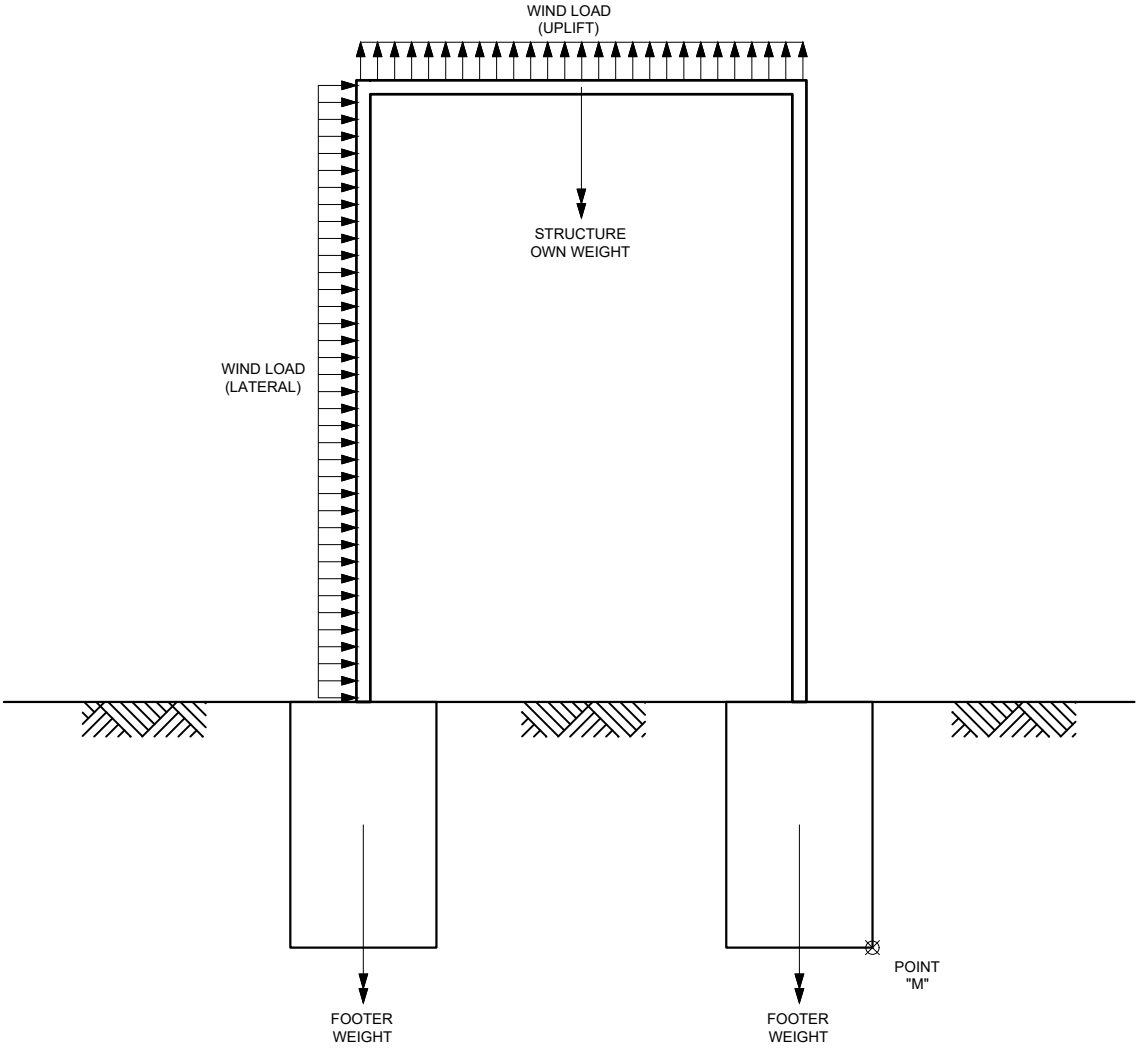
CIRCULAR



RECTANGULAR

PLAN

TYPICAL FOOTER LOADS



Appendix (II)

Equipment datasheets

Warlock's Escape

NRC400101-1001



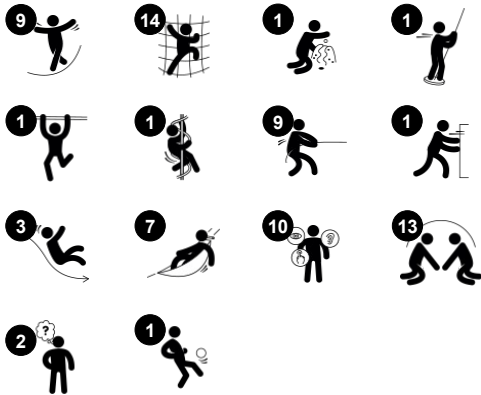
Children love to climb, crawl, run, and slide, and Warlock's Escape offers exactly that. With its organic shapes and various play opportunities, children will repeatedly return here to play. Looping the structure is not only great fun. Climbing, crawling, and balancing also support the children's motor skills ABC: agility, balance, and coordination. These are

fundamental for children to feel movement security. The stomach-tickling slide also trains balance, and a well-trained sense of balance is fundamental for being able to sit still and concentrate.

The curly climber trains coordination and proprioception, as well as logical thinking when

placing arms and legs right for rotating downwards. When passing each other on the Inclined Net Bridge or waiting their turn on the swaying Climb Trail, children develop empathy and turn-taking skills.

Item no. NRC400101-1001	
General Product Information	
Dimensions LxWxH	51'2"x30'7"x17'10"
Age group	5 - 12
Play capacity (users)	34
Item color	



Warlock's Escape

NRC400101-1001



Climb trail

Physical: the rubbery, swaying discs train children's cross-coordination, sense of balance and arm and leg muscles. This builds movement confidence. **Social-Emotional:** the discs make great destinations and meeting point, and take cooperation when crossing others on the way.



Hammock bed

Physical: swaying back and forth develops the sense of balance and spatial awareness, both important for judging distances and navigating space confidently. **Social-Emotional:** swaying, sharing and meeting with groups of friends. Turn-taking skills, when deciding who is pushing and who is swaying.



Net bridge, inclined

Physical: walking the open net up or downwards develops balance and spatial awareness. **Social-Emotional:** interaction with children outside, socializing. Cooperation and consideration, e.g. when passing others.



Wackle bridge

Physical: the sense of balance and space, and training of posture. Important for motor control and confidence in moving. **Social-Emotional:** cooperation, turn-taking and thrill when jumping the steps.



Curly climber

Physical: coordination and proprioception are supported when placing arms and legs correctly for going down. Sense of balance when rotating. Arm muscles for holding tight. **Social-Emotional:** empathy stimulated by turn-taking. **Cognitive:** logical thinking when placing arms and legs right for rotating downward.



Double slide

Physical: sliding develops spatial awareness and a sense of balance. Furthermore, the core muscles are trained when sitting upright going down. **Social-Emotional:** invites socializing, supports parent-child and peer-to-peer play.



Sewing Panel

Physical: Hand-eye coordination is trained in fitting the string through the holes. This benefits children's motor skills e.g. when writing. **Social-Emotional:** Cooperating on fitting the string through the openings trains turn-taking, empathy and negotiation. **Cognitive:** Fitting the string through the holes supports logical thinking and rules understanding. **Creative:** the string length and various holes allow the children to make different patterns.

Warlock's Escape

NRC400101-1001



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).

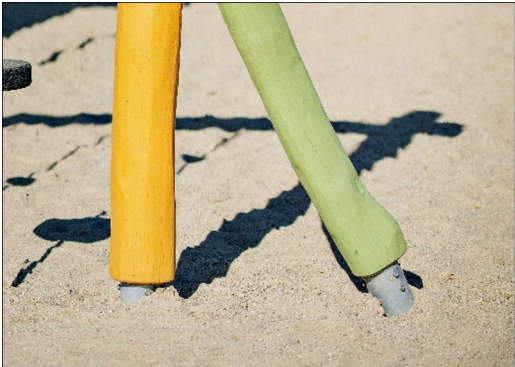


Robinia products are available in three different wood treatment options: untreated Robinia wood or brown painted with a pigment that maintains the wood color and colored version with paint of selected components.



The products are preassembled from the factory to ensure all safety requirements are considered. Please note that each Robinia fantasy structure will have its unique appearance because of the natural shape of the individual wood posts.

Item no. NRC400101-1001	
Installation Information	
Max. fall height	9'8"
Safety surfacing area	1500ft²
Total installation time	88.7 hours
Excavation volume	10.88yd³
Concrete volume	6.83yd³
Footing depth (standard)	3'3"
Shipment weight	10326lbs
Anchoring options	In-ground ✓
Warranty Information	
Corocord Rope	10 Years
Hollow PE Parts	10 Years
Robinia Wood	10 Years
Spare Parts Availability	10 Years
Stainless steel components	Lifetime



There are Multiple footing options for all products: Surface anchoring with steel footings and expansion bolts. Wood in-ground or steel in-ground footings.



The stainless-steel activities are made of high-quality stainless steel. The steel is cleaned by a total pickling process after manufacturing to ensure a smooth and clean gliding surfaces.



The slides can be chosen in six different colors and three materials: Straight or curved one-piece molded PE slides. Combined EcoCore™ sides and stainless steel. Full stainless steel in a one-piece design for more vandalism-proof solutions.

Elevated activities 9	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	9	3	3
Required	5	3	3

**ASTM
F1487**
compliant

Sustainability Data

NRC400101-1001



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRC400101-1001	3,123.22	0.74	3.16

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S
C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NR0409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025
Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

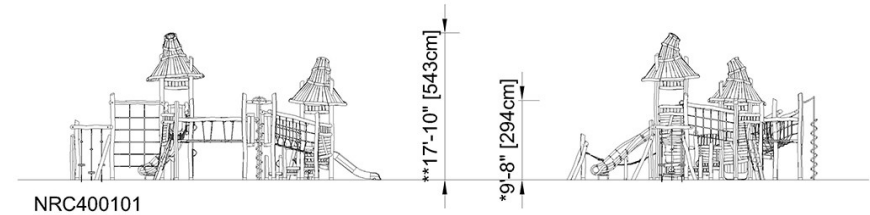
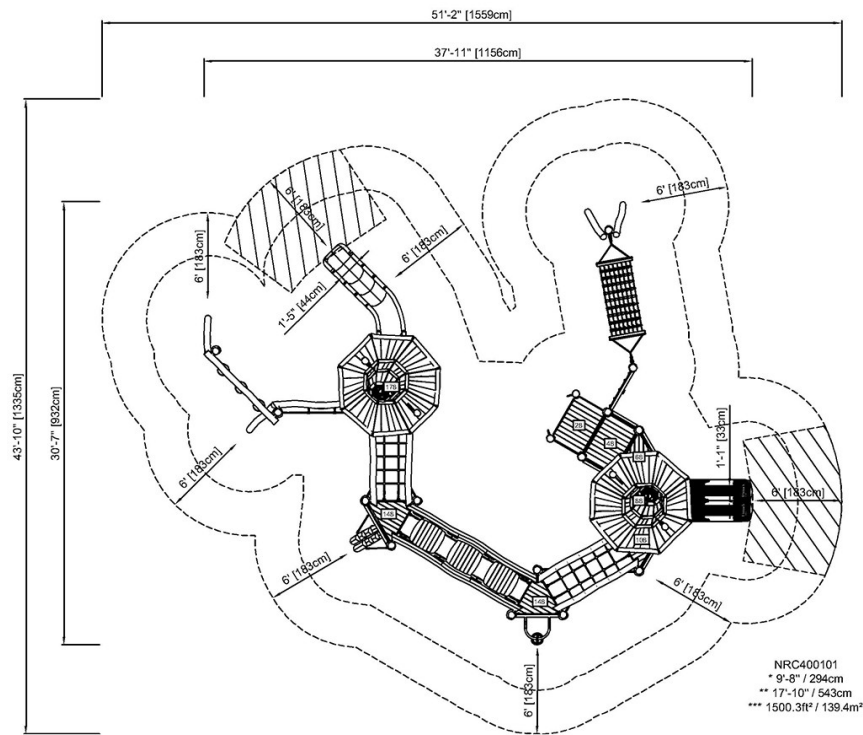


NRC400101-1001



* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)



NRC400101-1001

ID ----

MarPri

2024-07-22

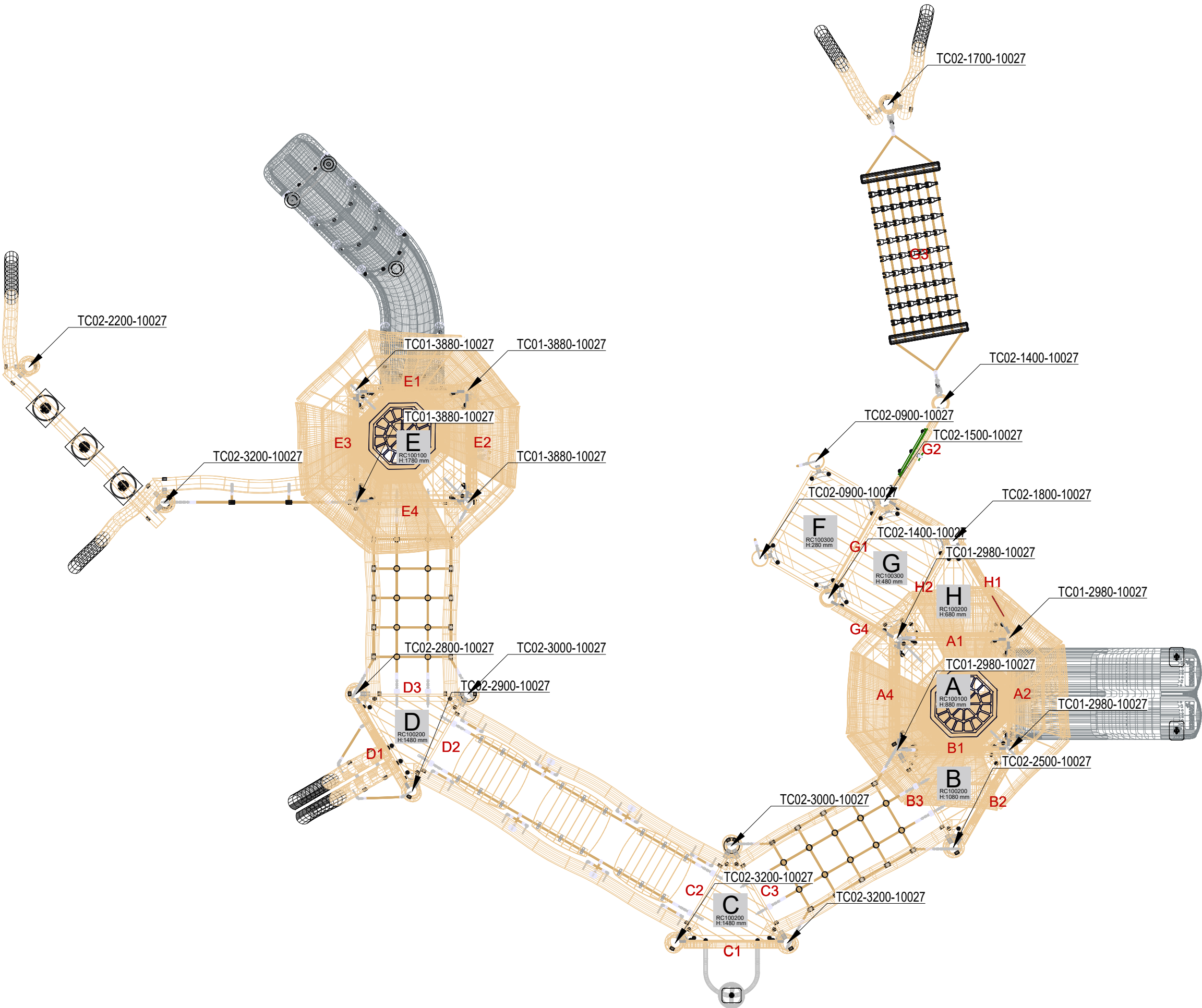
Colorline:	Untreated
Foundation:	100 cm wood
Norm:	---
Units:	inch
Post material:	Robinia
Post colors:	Untreated













NRC400101-1001

ID ----

MarPri

2024-07-22

Scale: MAX

Units: inch

Safety zone

- Norm: ASTM F1487
- Perimeter: 173 ft
- Area: 1500.3 ft²

Concrete

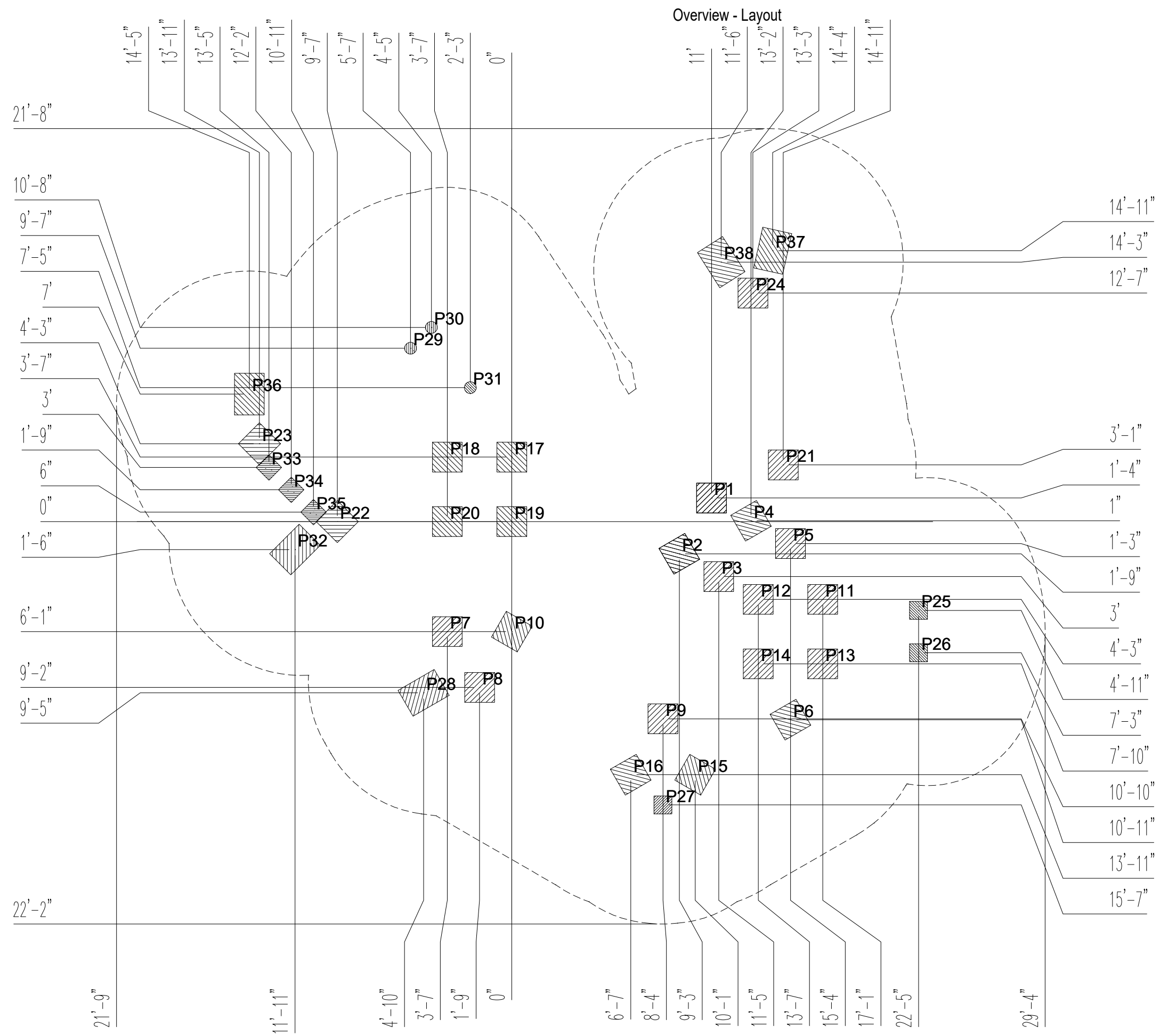
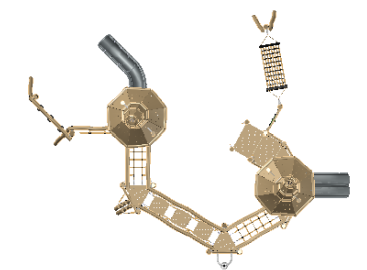
- Volume: 184.35 CU.FT.



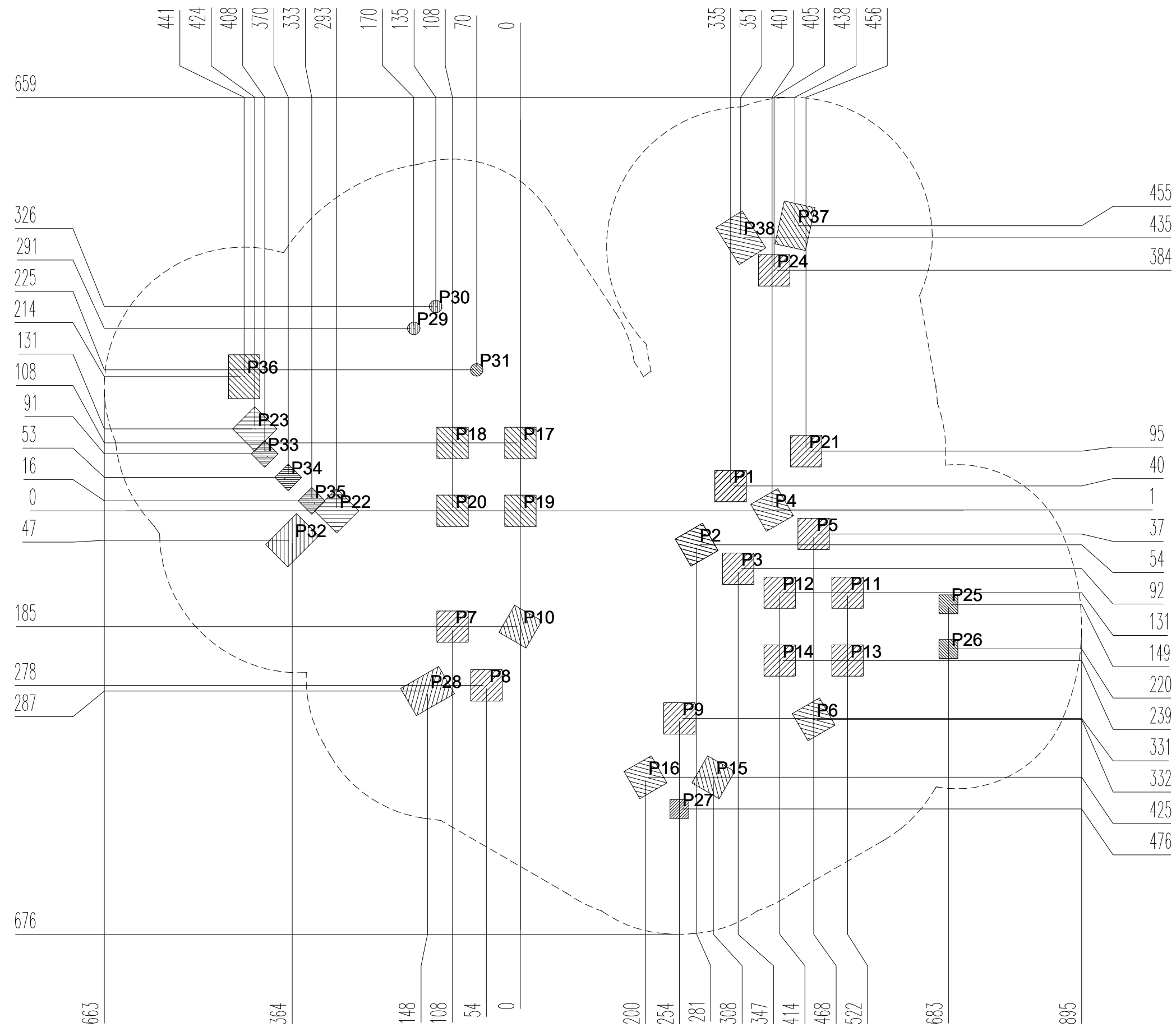
C25/30 (B25)

$f_{ck,cube} = 30 \text{ N/mm}^2$

Use the specified quality of concrete in accordance with all specifications from the concrete supplier taking the nature of the product to be installed into account.



Overview - Layout



NRC400101-1001

ID ----

MarPri

2024-07-22

Scale: MAX

Units: cm

Safety zone

- Norm: CSA Z614
- Perimeter: 53 m
- Area: 139.4 m²

Concrete

- Volume: 5.22 m³

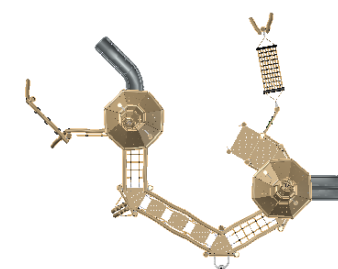


Concrete - Béton - Hormigón
Cemento - Beton - Betong - Beton
Beton - Betoninili - Betão

C25/30 (B25)

$f_{ck,cube} = 30 \text{ N/mm}^2$

Use the specified quality of concrete
in accordance with all specifications
from the concrete supplier taking
the nature of the product to be
installed into account.



Overview of used Digging Holes and Footings

Foundation				Footing for Posts / Modules					
Pos.	Hole Type	Profile [cm]	Depth [cm]	Pos.	Module No.	Profile [mm]	Length [cm]	Footing module	Post cap
P1-P24	404	50x50	100	P1-P2	TC02-0900-10027	-	90	-	-
P25-P27	6	30x30	90	P3	TC02-1400-10027	-	140	-	-
P28	405	50x70	100	P4	TC02-1500-10027	-	150	-	-
P29-P30	2	ø20	90	P5	TC02-1800-10027	-	180	-	-
P31	1	ø20	85	P6	TC02-2500-10027	-	250	-	-
P32	405	50x70	100	P7	TC02-2800-10027	-	280	-	-
P33-P35	6	30x30	90	P8	TC02-2900-10027	-	290	-	-
P36-P38	405	50x70	100	P9-P10	TC02-3000-10027	-	300	-	-
				P11-P14	TC01-2980-10027	-	298	-	-
				P15-P16	TC02-3200-10027	-	320	-	-
				P17-P20	TC01-3880-10027	-	388	-	-
				P21	TC02-1400-10027	-	140	-	-
				P22	TC02-3200-10027	-	320	-	-
				P23	TC02-2200-10027	-	220	-	-
				P24	TC02-1700-10027	-	170	-	-
				P25-P26	RC600609-00083	-	-	2xCP123200-05	-
				P27	RC600315-00003	-	-	CP122401-05	-
				P28	RC500815-10001	-	-	-	-
				P29-P31	RC600818-00083	-	-	2xCP122201-05 CP120400-05	-
				P32	RC810100-10001	-	-	-	-
				P33-P35	RC700100-00003	-	-	3xCP124201-10	-
				P36	RC810200-10001	-	-	-	-
				P37-P38	RC810300-10001	-	-	-	-

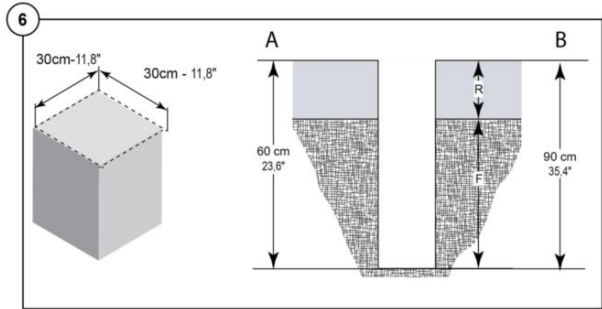
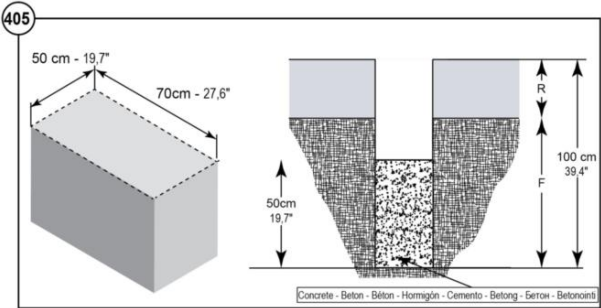
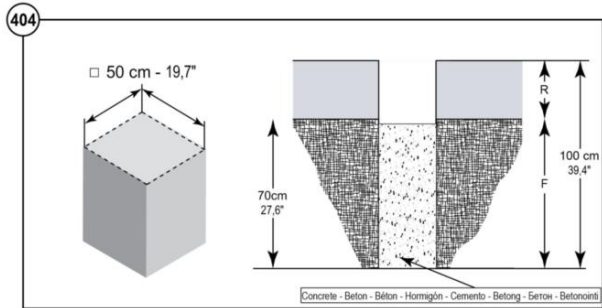
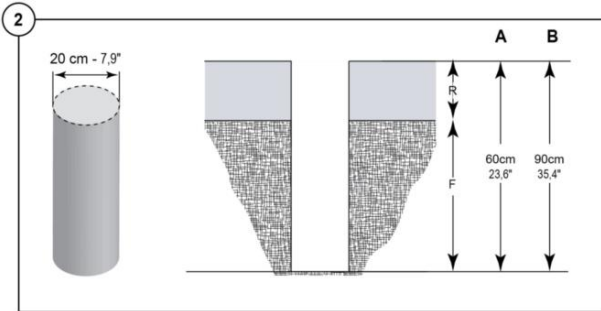
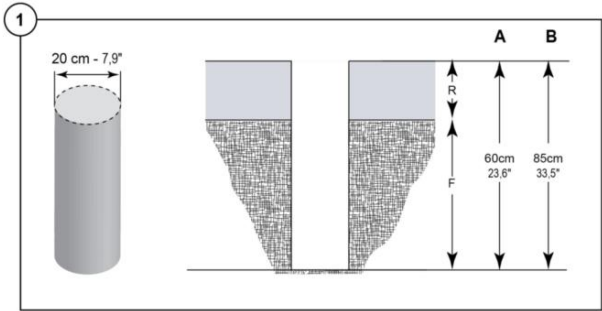


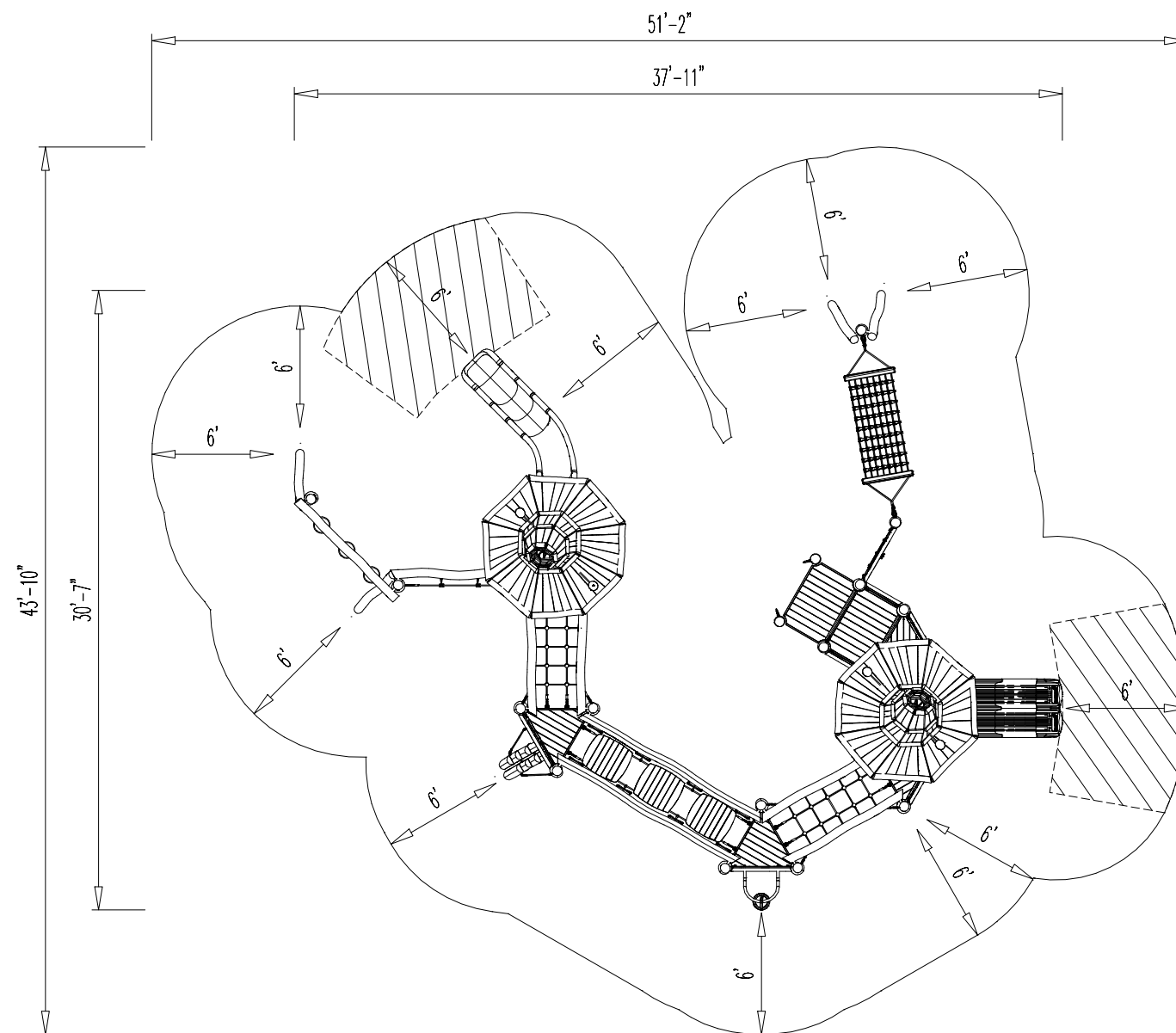
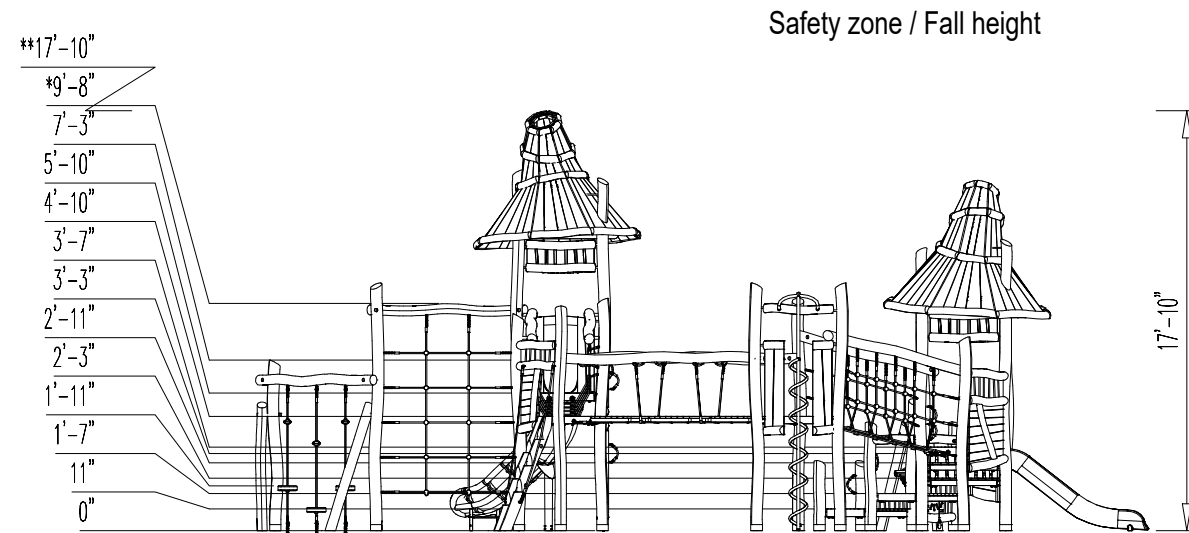
NRC400101-1001

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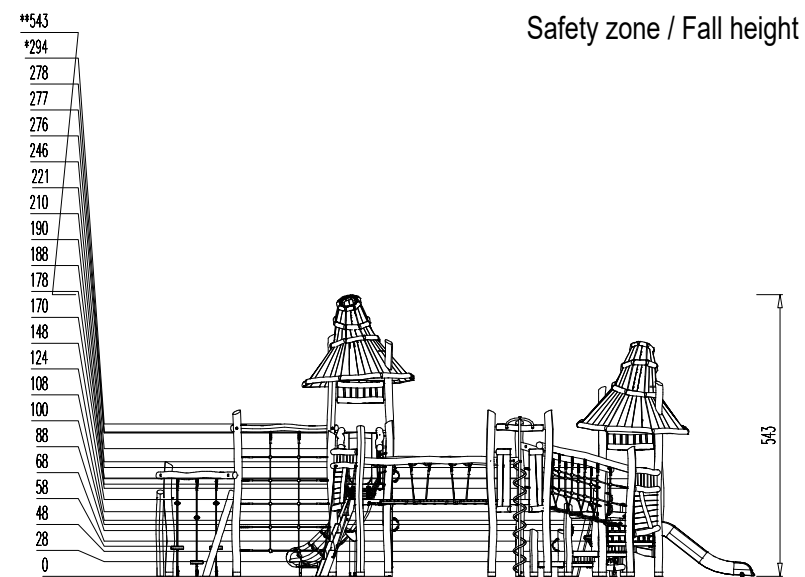
Scale: MAX

Units: inch

ASTM F1487

* Fall height

** Total height



KOMPAN!

NRC400101-1001

ID ----

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2024-07-22

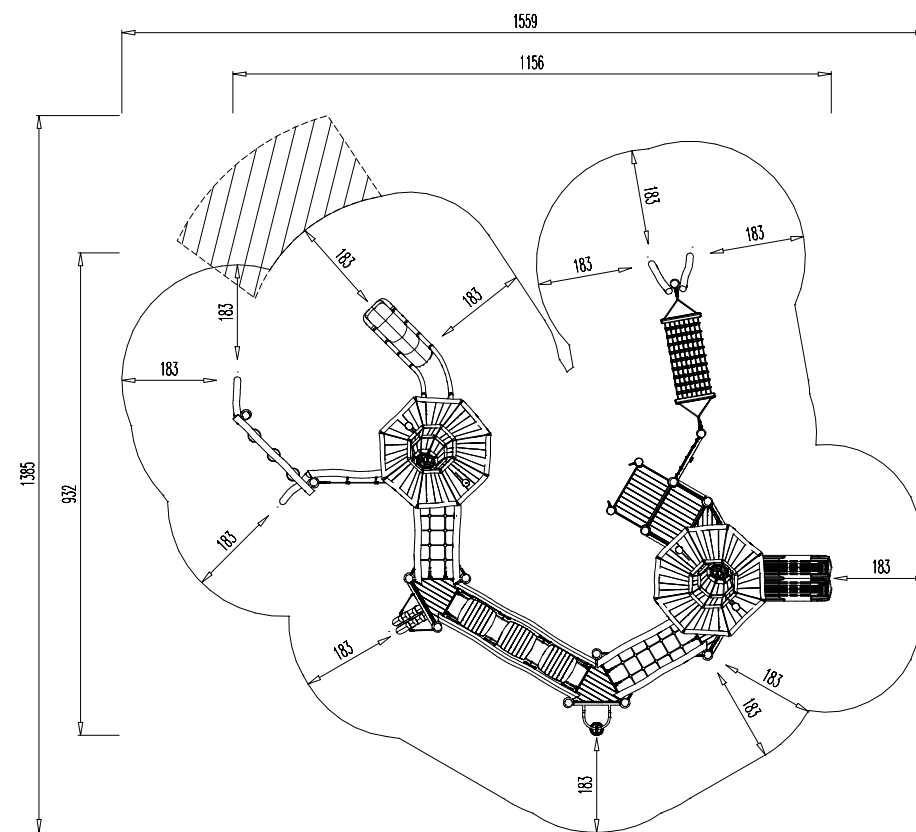
Scale: MAX

Units: cm

CSA Z614

* Fall height

** Total height



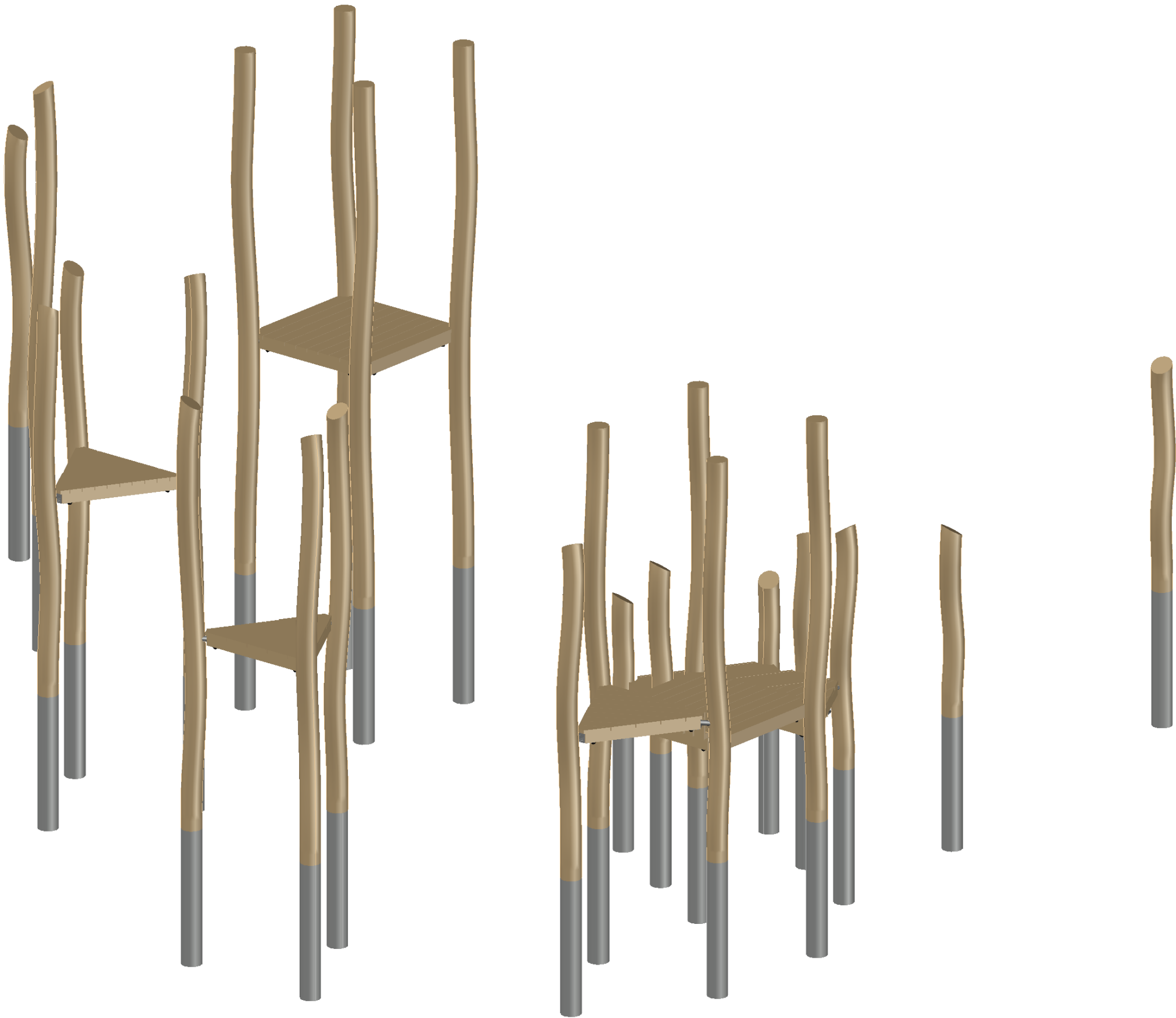


NRC400101-1001

ID ----

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2024-07-22



-  2x RC100100-00000
-  4x RC100200-00000
-  2x RC100300-00000
-  2x TC02-0900-10027
-  2x TC02-1400-10027
-  1x TC02-1500-10027
-  1x TC02-1800-10027
-  1x TC02-2500-10027
-  1x TC02-2800-10027
-  1x TC02-2900-10027
-  2x TC02-3000-10027
-  4x TC01-2980-10027
-  3x TC02-3200-10027
-  4x TC01-3880-10027
-  4x RC110200-00000
-  1x TC02-2200-10027
-  1x RC100500-00000
-  2x RC100400-00000
-  1x TC02-1700-10027



NRC400101-1001

ID ----

MarPri

2024-07-22



-  1x RC400400-00000
-  3x RC200200-00000
-  1x RC500815-10001
-  1x RC400200-00000
-  1x RC500618-00000
-  1x RC201000-00000
-  1x RC300200-00000
-  2x RC201200-00000

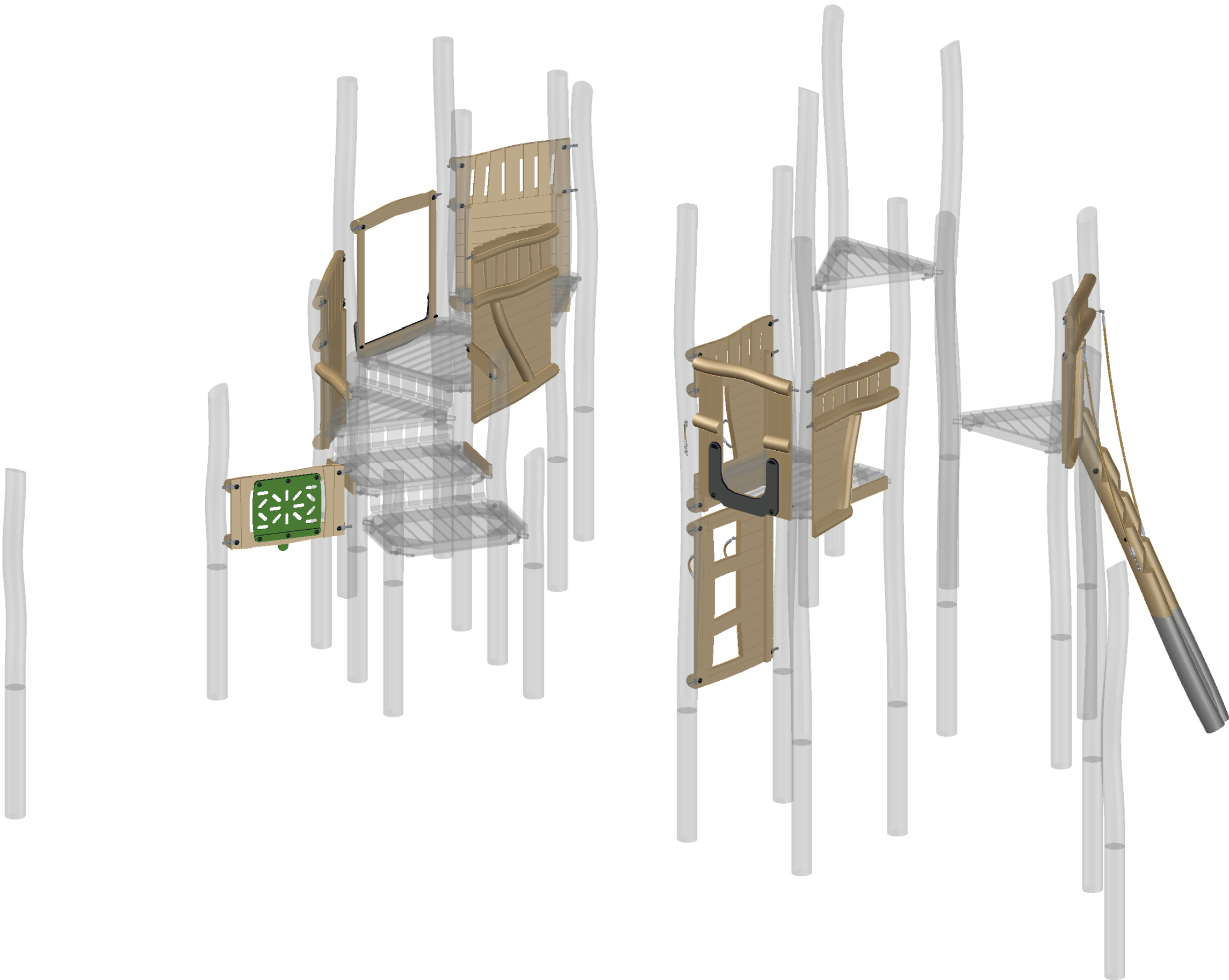


NRC400101-1001

ID ----

MarPri

2024-07-22



- 1x RC400400-00000
- 3x RC200200-00000
- 1x RC500815-10001
- 1x RC400200-00000
- 1x RC500618-00000
- 1x RC201000-00000
- 1x RC300200-00000
- 2x RC201200-00000



NRC400101-1001

ID ----

MarPri

2024-07-22



-  1x RC600609-00083
-  2x RC800100-00000
-  8x RC800400-00000
-  1x RC700700-00000
-  1x RC600315-00003
-  1x RC700200-00000
-  1x RC700800-00000
-  1x RC600818-00083
-  1x RC700600-00000
-  1x RC810100-10001
-  1x RC700100-00003
-  1x RC810200-10001
-  5x RO113066-0001
-  1x RC810400-00000
-  1x RC810300-10001
-  1x RC000200-00000



NRC400101-1001

ID ----

MarPri

2024-07-22



-  1x RC600609-00083
-  2x RC800100-00000
-  8x RC800400-00000
-  1x RC700700-00000
-  1x RC600315-00003
-  1x RC700200-00000
-  1x RC700800-00000
-  1x RC600818-00083
-  1x RC700600-00000
-  1x RC810100-10001
-  1x RC700100-00003
-  1x RC810200-10001
-  5x RO113066-0001
-  1x RC810400-00000
-  1x RC810300-10001
-  1x RC000200-00000

Spinner Bowl

ELE400024



Item no. ELE400024-3717BL	
General Product Information	
Dimensions LxWxH	1'8"x1'10"x1'12"
Age group	5 - 12
Play capacity (users)	1
Color options	



This wildly or mildly spinning piece with its cute rounded design evokes squeals of joy when children rotate again and again. With its easily accessible, tilted spinning bowl it invites children of all abilities and a wide age span to play. The small footprint allows for placing 2-3 Spinner Bowls together, encouraging social play. The variety of play opportunities include

sitting in, on edge of, pushing, pulling or even standing in the spinner bowl. these make the Spinner Bowl a long-time attraction. The tilted bowl allows the child to adjust the spinning speed with their body movements. This trains the logical thinking to speed up by scooping up or slow down by spreading arms and legs out. Spinner Bowls train the sense of balance,

which is mandatory for concentration skills and the ability to sit still. Pushing or being pushed by others trains social-emotional skills such as turn-taking.



Spinner Bowl

ELE400024



The Spinner Bowl is made of recyclable PE. The bowl is moulded in one piece with integrated metal thread bushings and a water drain hole to ensure high durability in all climates around the world.



Heavy duty engineered bearing system with single row deep groove ball bearings with rubber seals. The fully closed bearing construction is lifetime lubricated and maintenance free.



The steel surfaces are hot-dip galvanized inside and outside with lead-free zinc. The galvanization has excellent corrosion resistance in outside environments and requires minimal maintenance.

Item no. ELE400024-3717BL	
Installation Information	
Max. fall height	1'12"
Safety surfacing area	149ft²
Total installation time	1.2
Excavation volume	0.14yd³
Concrete volume	0.08yd³
Footing depth (standard)	2'11"
Shipment weight	44lbs
Anchoring options	In-ground ✓ Surface ✓
Warranty Information	
Hollow PE Parts	10 years
Bearing construction	5 years
Hot dip galvanized steel	Lifetime
Hardware	10 years
Spare parts guaranteed	10 years



The Spinner Bowl is available in five different color options.



The sand colored variant is made of rotomolded stone mixed PE material with non skid surface texture. Minor differences in the stone mix visuality of the material are to be expected.



GreenLine versions in a dark teal color are designed with molded PP parts which consist of 25% recycled post-consumer waste and 75% virgin material. GreenLine ensures the lowest possible CO2e emission factor.

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	1	1
Required	0	1	1





Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
ELE400024-3717BL	56.00	3.04	29.70
ELE400024-3717DT	54.20	2.94	37.60

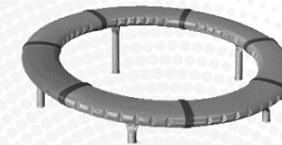
The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S

C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Validation of CO₂ calculation of: Freestanding play equipment



Data version no. 2021-09-27

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Freestanding play equipment" represented by item no.: GXY916012-3417.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 15. October 2021 | Valid until: 15. October 2023

Validated by:

Bente Hviid

Bente Hviid, Senior Consultant

Peter Bendtsen

Peter Bendtsen, Senior Consultant

Validation based on report: Validation of CO₂ calculation of 8 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Bente Hviid and Peter Bendtsen.

Publication date: 15. October 2021

By Bureau Veritas HSE
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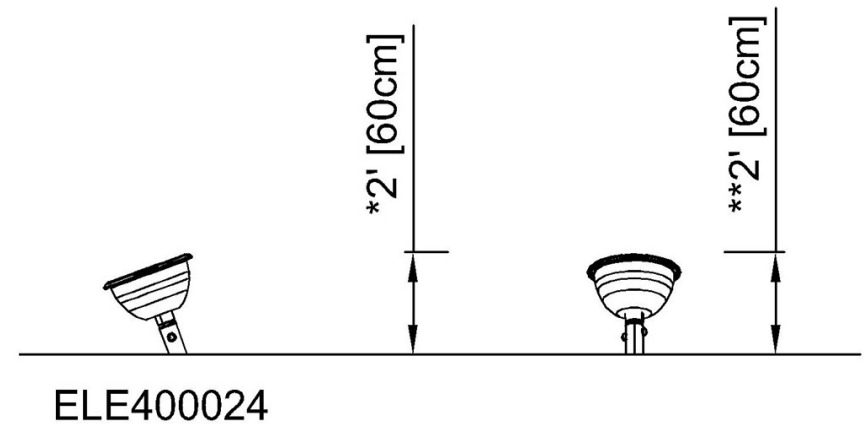
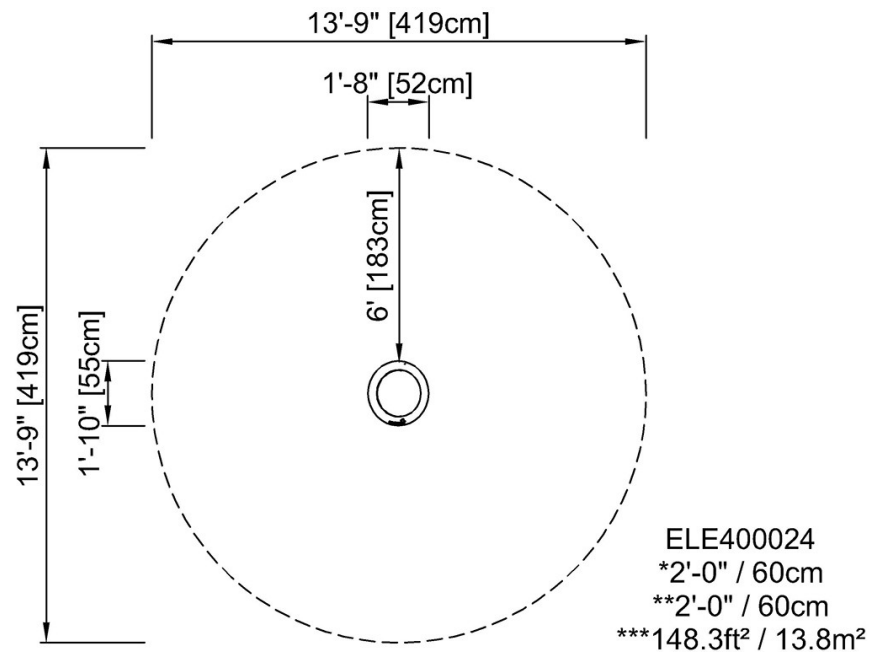


Spinner Bowl

ELE400024

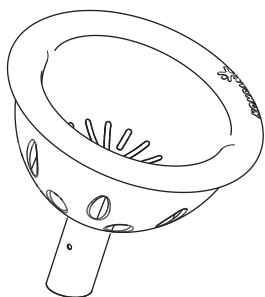
* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



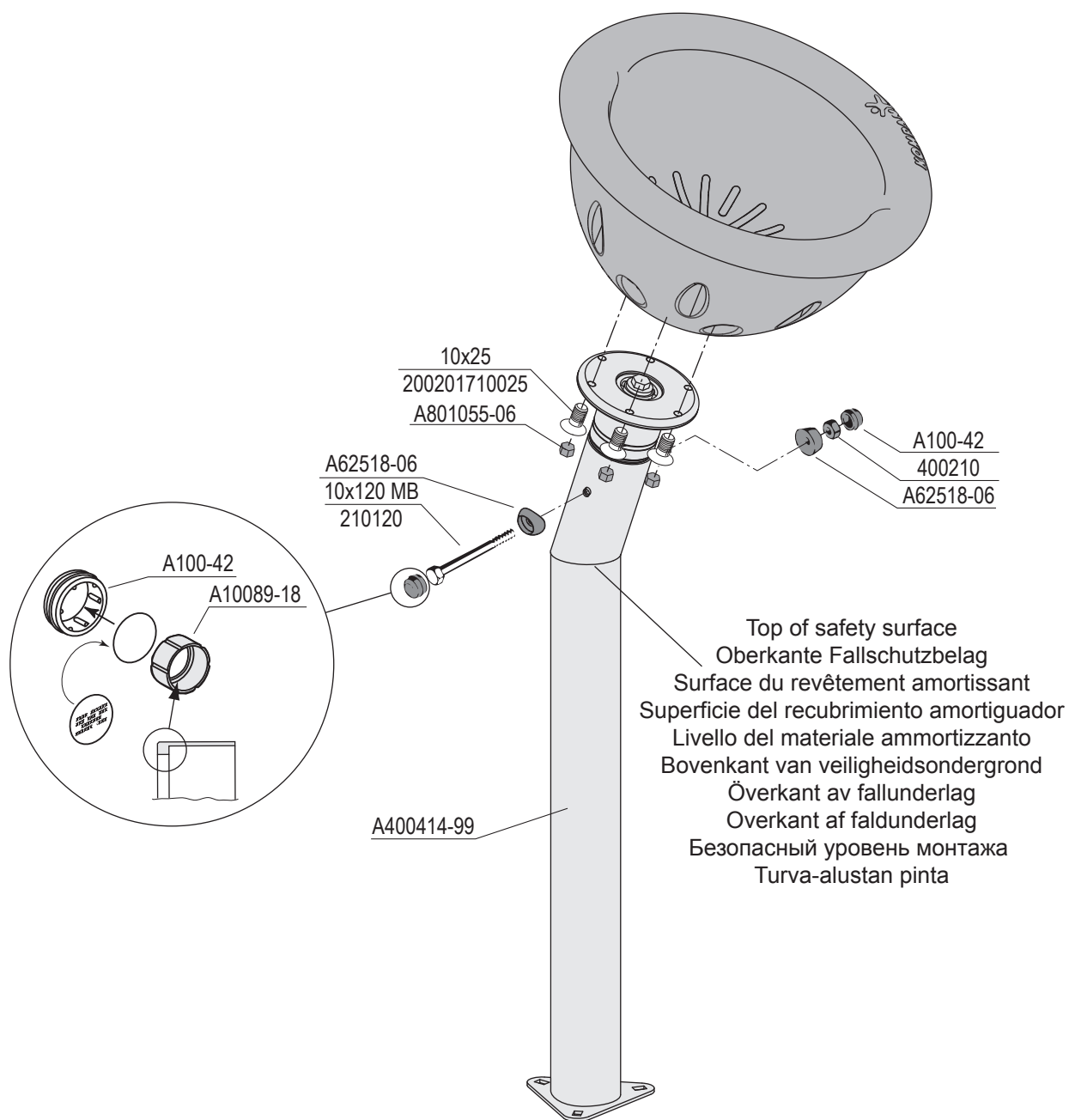
[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)



KOMPAN®

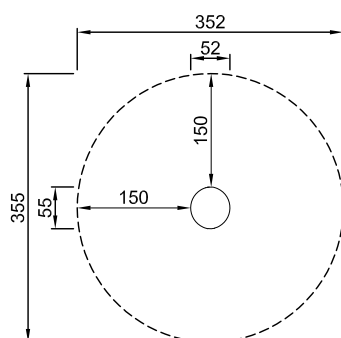
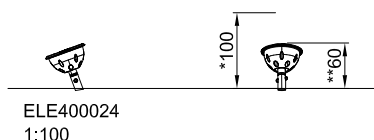
ELE400024-3717



VLE4000243717-01 20110301 MarSky



Safety zone in accordance with EN 1176/AS4685
Sicherheitsabstand gemäß EN 1176/AS4685
Espace d'évolution selon EN 1176/AS4685
Zona de seguridad según EN 1176/AS4685
Distanze di sicurezza in conformità con lo standard EN 1176/AS4685
Veiligheidsgebied in overeenstemming met EN 1176/AS4685
Säkerhetsområde enligt EN 1176/AS4685
Sikkerhedsareal iht. EN 1176/AS4685
Зона безопасности в соответствии с EN 1176/AS4685
EN1176/AS4685-normin mukainen turva-alue



All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mätt är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeissa mainitut mitat ovat senttimetrejä.

ELE400024
*100cm
**60cm
***9.8m²
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

Please note: The safety zone shown on this drawing is in accordance with EN 1176/AS4685. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176/AS4685. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à EN 1176/AS4685. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con EN 1176/AS4685. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176/AS4685. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176/AS4685. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer EN 1176/AS4685. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

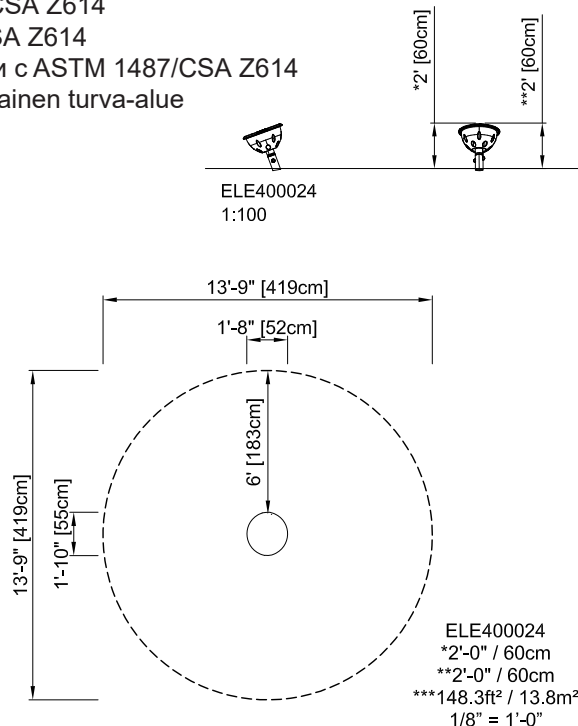
Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176/AS4685. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с EN 1176/AS4685. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on EN1176/AS4685-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.



Safety zone in accordance with ASTM 1487/CSA Z614
Sicherheitsabstand gemäß ASTM 1487/CSA Z614
Espace d'évolution selon ASTM 1487/CSA Z614
Zona de seguridad según ASTM 1487/CSA Z614
Distanze di sicurezza in conformità con lo standard ASTM 1487/CSA Z614
Veiligheidsgebied in overeenstemming met ASTM 1487/CSA Z614
Säkerhetsområde enl ASTM 1487/CSA Z614
Sikkerhedsareal iht. ASTM 1487/CSA Z614
Зона безопасности в соответствии с ASTM 1487/CSA Z614
ASTM 1487/CSA Z614-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

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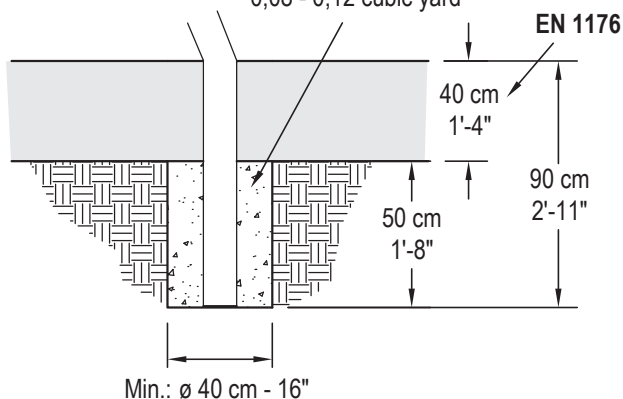
Внимание: Зона безопасности указана в соответствии с ASTM 1487/CSA Z614. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487/CSA Z614-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANIin.



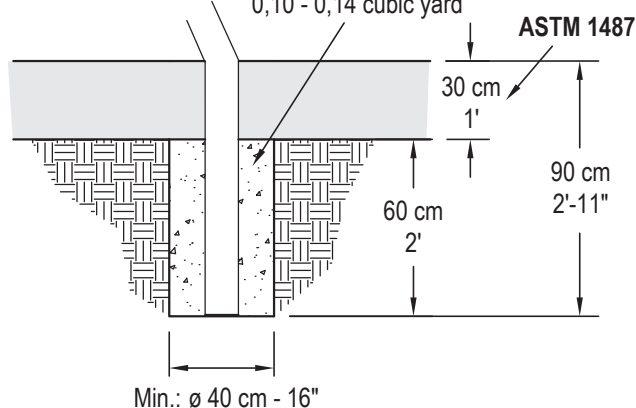
Concrete
Beton
Béton
Hormigón
Cemento
Betón
Betong
Betón
бетон
Betonointi

0,06 - 0,09 m³
0,08 - 0,12 cubic yard



Concrete
Beton
Béton
Hormigón
Cemento
Betón
Betong
Betón
бетон
Betonointi

0,08 - 0,11 m³
0,10 - 0,14 cubic yard



Spare parts:

Ersatzteile:

Pièces de rechange:

Piezas de recambio:

Parti di ricambio:

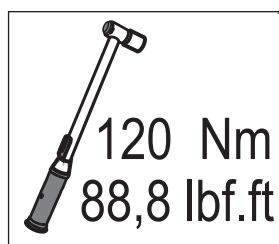
Reservedelen:

Reservdelar:

Reservedele:

Запчасти:

Varaosat:



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200201710030

A400733-133

A400411-51

EM502
Loxal 85-21

A400538-129 (RED)
A400538-12 (YEL)
A400538-124 (BLUE)
A400538-178 (LIME)
A400538-121 (GREEN)
A400538-309 (SANDSTONE)
A400538-344 (DARK TEAL)

Waterlilies Balance Posts - 5 pcs

NRO820-0601

Item no. NRO820-0601	
General Product Information	
Dimensions LxWxH	7'1"x3'6"x1'1"
Age group	2 - 12
Play capacity (users)	2
Item color	



The Water Lilies Balance Posts appeal to children, and encourage physical make believe games with rules, for example, pretending the ground is water, and trying to stay out of the water. The Water Lilies invite jumping or balancing from one to the next. They can also be used as individual seats and are perfect for group conversation. The Water Lilies support

children who are less confident, thanks to their width. When balancing from water lily to water lily, children train their proprioception and sense of balance. Balance and proprioception are fundamental skills for confidently managing the body in its surroundings. This is important for instance when navigating street traffic safely. Crossing the Water Lilies with friends

trains turn-taking and negotiation. These are important social-emotional skills that are basic for the ability to form friendship and relate to peers.

Waterlilies Balance Posts - 5 pcs

NRO820-0601



Balance posts

Physical: sense of balance is trained, and bone density built when jumping between and off the pods. **Social-Emotional:** turn-taking and cooperation as well as room for a seated rest with friends.

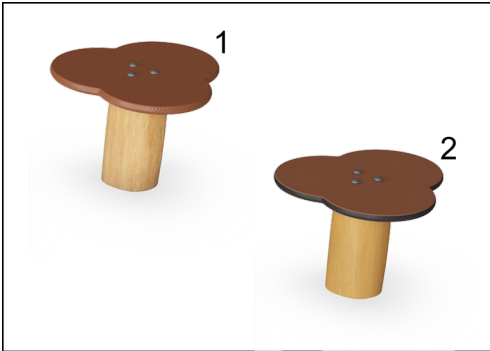


Waterlilies Balance Posts - 5 pcs

NRO820-0601



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



Balance post of 3/4" EcoCore™. EcoCore™ is a highly durable, ecofriendly material, which is not only recyclable after use, but also consists of a core produced from +95% recycled post-consumer material from e.g., food packing waste in both core and colorful outer layer.



The Robinia wood can be supplied as untreated raw wood or painted with a brown colored transparent pigment that maintains the golden wood color of the wood.

Item no. NRO820-0601	
Installation Information	
Max. fall height	1'1"
Safety surfacing area	237ft²
Total installation time	2.4 hours
Excavation volume	0.27yd³
Concrete volume	0.1yd³
Footing depth (standard)	2'0"
Shipment weight	198lbs
Anchoring options	In-ground ✓
Warranty Information	
Robinia Wood	10 Years
Spare Parts Availability	10 Years

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	1	1
Required	0	1	1



Sustainability Data

NRO820-0601



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRO820-0601	49.65	0.63	16.85

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S

C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

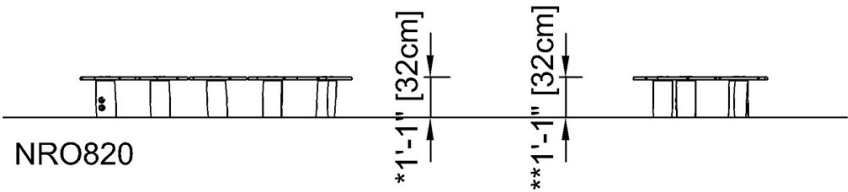
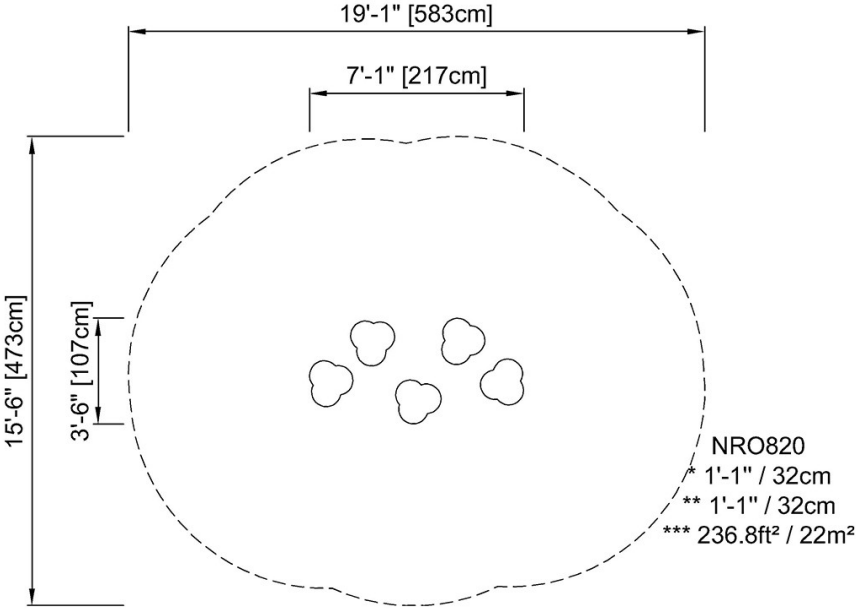


Waterlilies Balance Posts - 5 pcs

NRO820-0601

* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)



NRO820-0002/FSC

NRO820-0003

NRO820-0013

NRO820-0601/FSC

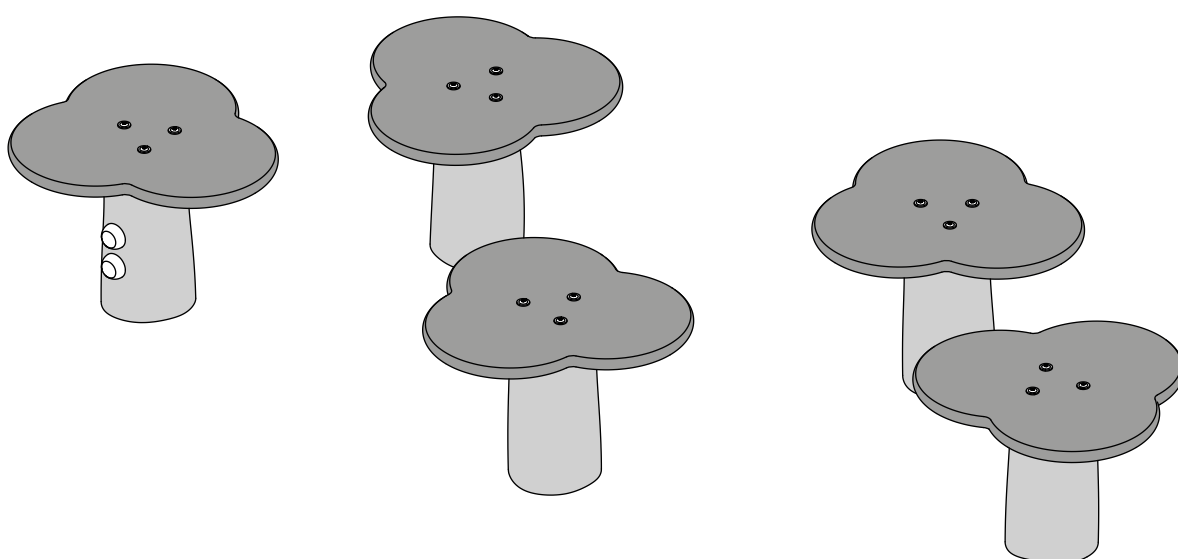
NRO820-0603/FSC

NRO820-0611/FSC

NRO820-0613/FSC

NRO820-1002/FSC

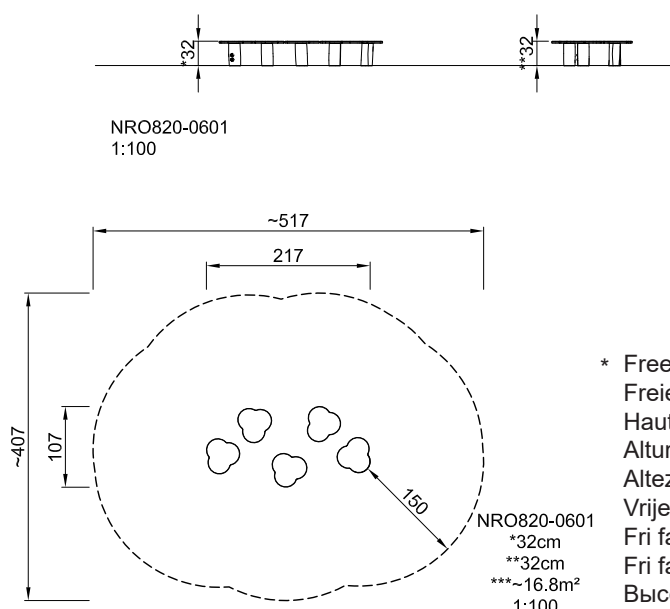
NRO820-1013



VNRO820XXXX 20160822 PetrJu



Safety zone in accordance with EN 1176/AS4685
Sicherheitsabstand gemäß EN 1176/AS4685
Espace d'évolution selon EN 1176/AS4685
Zona de seguridad según EN 1176/AS4685
Distanze di sicurezza in conformità con lo standard EN 1176/AS4685
Veiligheidsgebied in overeenstemming met EN 1176/AS4685
Säkerhetsområde enl EN 1176/AS4685
Sikkerhedsareal iht. EN 1176/AS4685
Зона безопасности в соответствии с EN 1176/AS4685
EN1176/AS4685-normin mukainen turva-alue



All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mätt är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeessa mainitut mitat ovat senttimetrejä.

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhøjde
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

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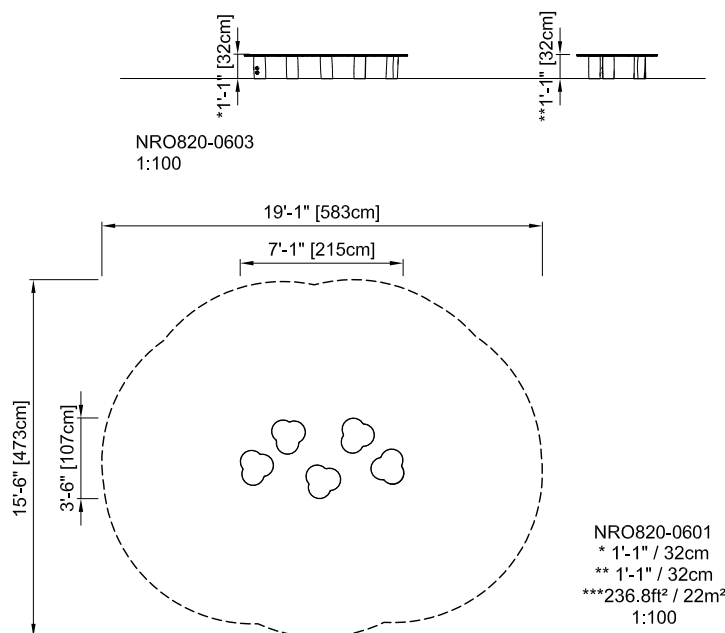
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Safety zone in accordance with ASTM 1487/CSA Z614
Sicherheitsabstand gemäß ASTM 1487/CSA Z614
Espace d'évolution selon ASTM 1487/CSA Z614
Zona de seguridad según ASTM 1487/CSA Z614
Distanze di sicurezza in conformità con lo standard ASTM 1487/CSA Z614
Veiligheidsgebied in overeenstemming met ASTM 1487/CSA Z614
Säkerhetsområde enl ASTM 1487/CSA Z614
Sikkerhedsareal iht. ASTM 1487/CSA Z614
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ASTM 1487/CSA Z614-normin mukainen turva-alue



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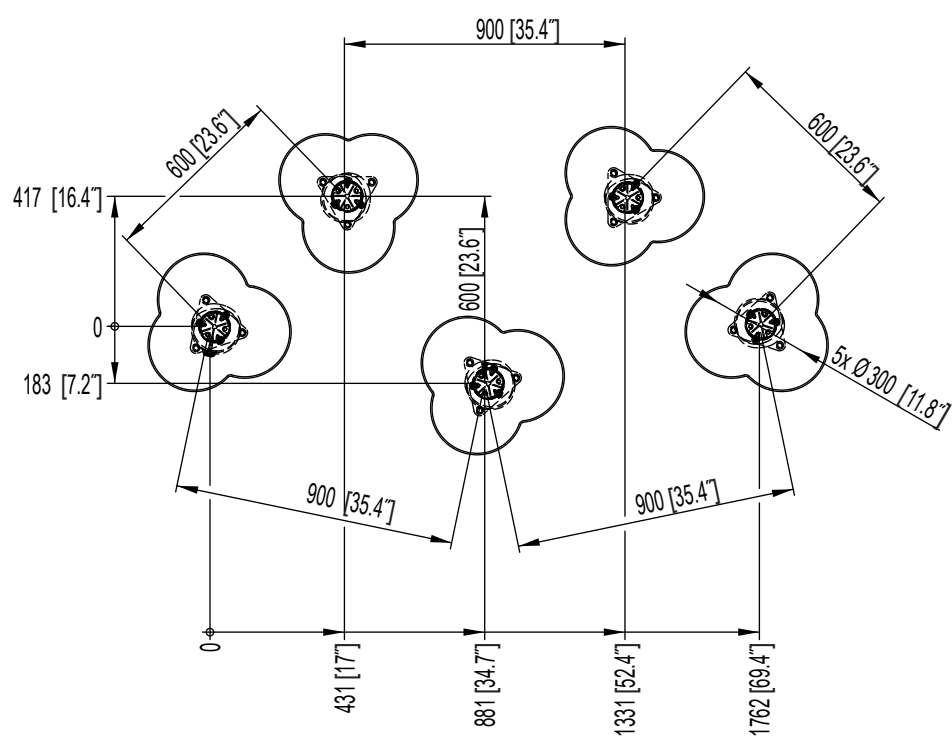
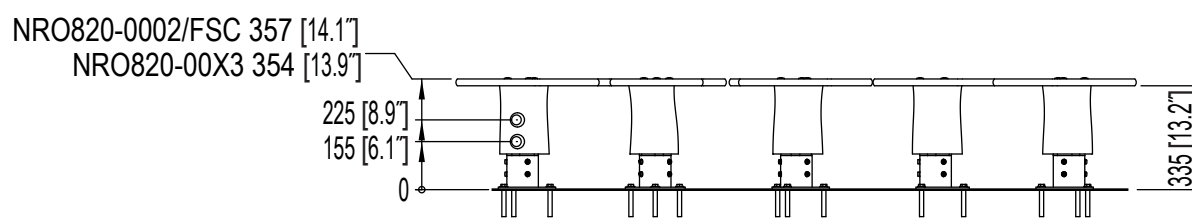
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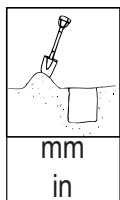
NRO820-0002/FSC

NRO820-0003

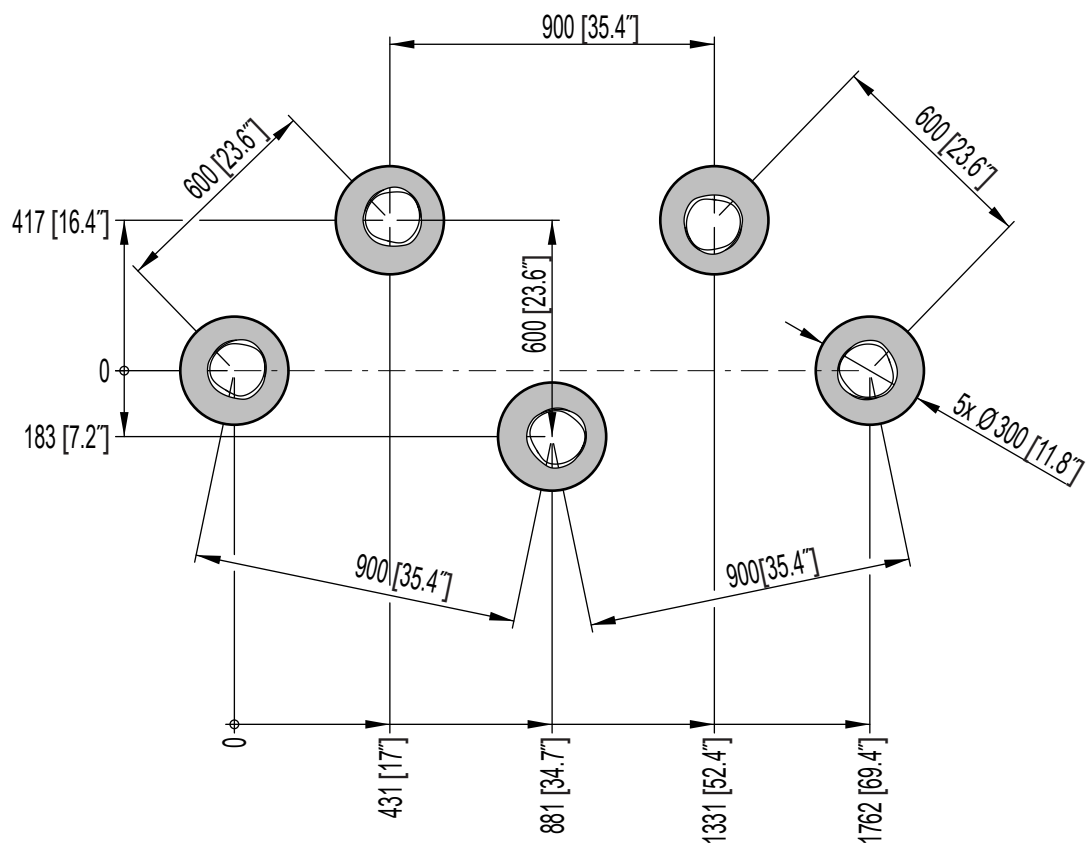
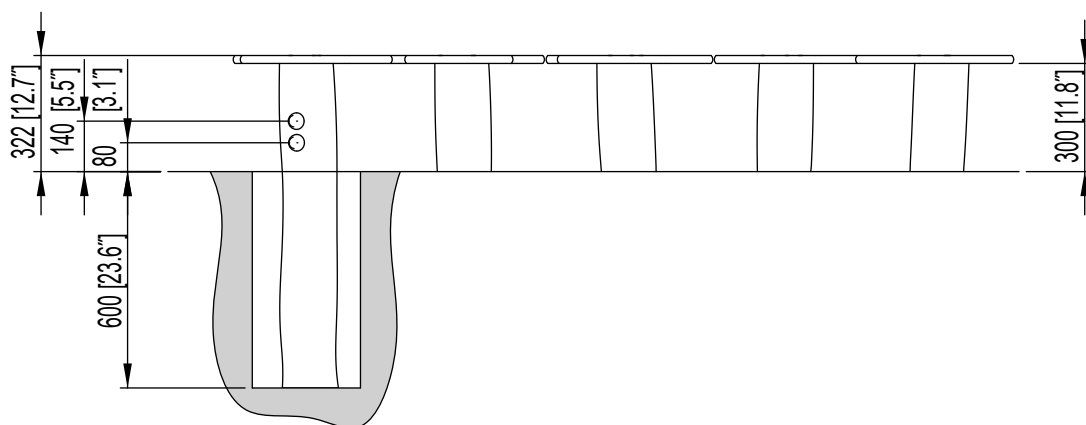
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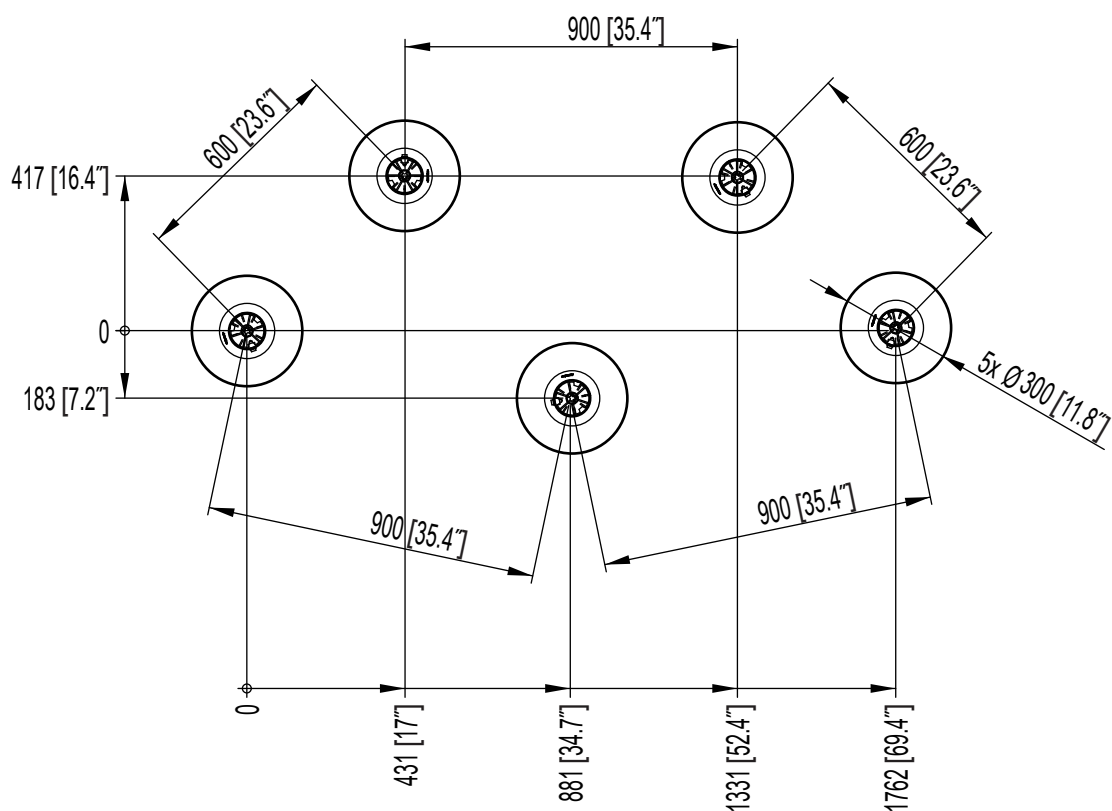
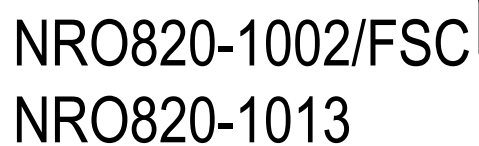
mm
in





NRO820-0601/FSC
 NRO820-0603/FSC
 NRO820-0611/FSC
 NRO820-0613/FSC







Important! The concrete must be sufficiently hardened before the play item may be used.

Total volume of concrete: Min 0,080 m³

Wichtig! Vor der Inbetriebnahme des Spielrärts muß der Beton ausreichend abgebunden haben.

Betonverbrauch insgesamt: mind. 0,080 m³

Important! Le béton doit avoir suffisamment durci avant de mettre en service l'équipement de jeux.

Consommation totale de béton: au minimum 0,080 m³

Importante! El hormigón debe estar suficientemente endurecido antes de comenzar a utilizar el equipo de juego. Consumo total de hormigón: Min. 0,080 m³

Importante! Prima de utilizzare le attrezzature da gioco, il cemento deve essere sufficientemente solidificato. Volume totale di cemento: min. 0,080 m³

Belangrijk! Het beton moet voldoende gehard zijn voordat het speeltoestel in gebruik wordt genomen.

Totale benodigde hoeveelheid beton: min. 0,080 m³

Viktigt! Betongen måste ha härdat tillräckligt innan lekredskapet börjar användas.

Total betongåtgång: min. 0,080 m³

Viktigt! Betonen skal være tilstrækkeligt hærdet, før legeredskabet tages i brug.

Totalt betonforbrug: Min. 0,080 m³

Важно! Перед использованием сооружений убедитесь, что бетон затвердел.

Суммарный объем бетона: мин. 80 л.

HUOM! Betonivalun on oltava tarpeeksi kuiva, ennen kuin leikkivälinettä saa käyttää.

Betonoinnin minimikokonaismäärä; 0,080 m³

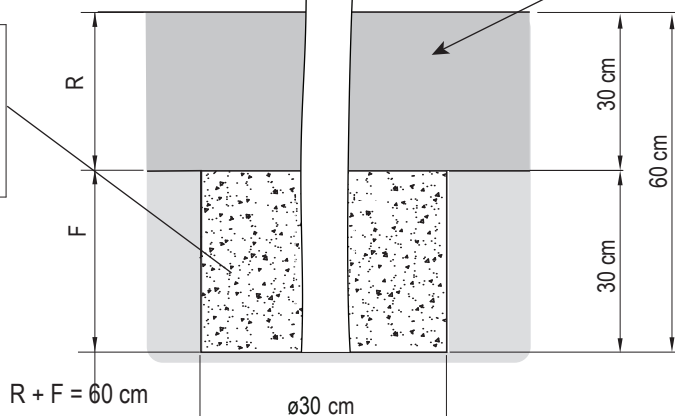
NRO820-0601/FSC

NRO820-0603/FSC

NRO820-0611/FSC

NRO820-0613/FSC

Concrete 0,016 m³
ø30 x 30cm
Béton - Hormigón
Cemento - Beton
Betong - Beton
Бетон - Betonointi



Loose fill
Matériaux fluents
Lockers material
Material suelto
Materiale sciolto
Lös fyllningsmaterial
Løst påfyldningsmateriale
Losse bodemmaterialen
Irtomateriaali
Амортизационный
сыпучий материал



A



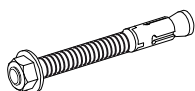
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B



201301008016

C



400317

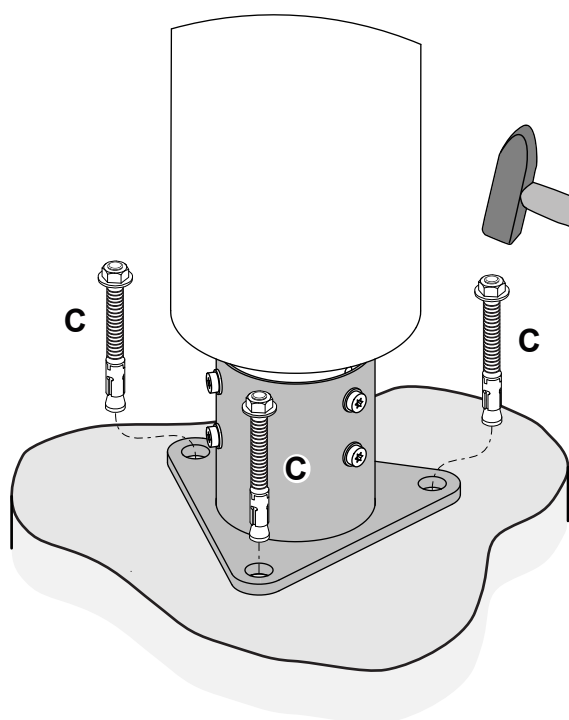
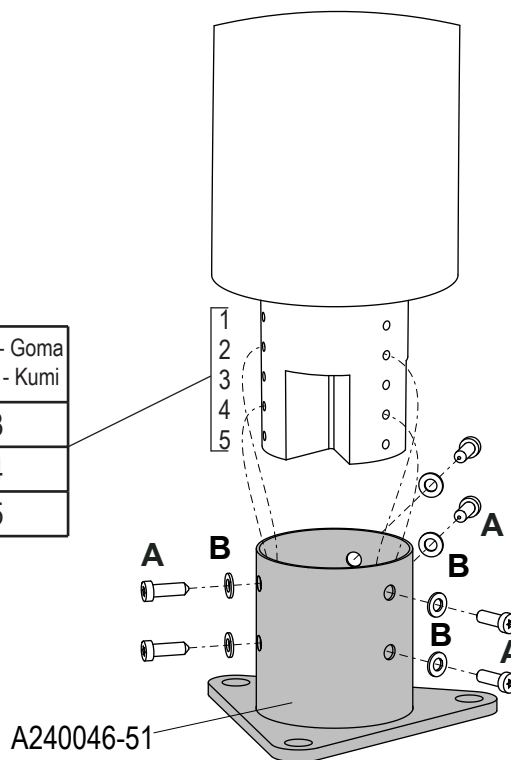
NRO820-0002/FSC

NRO820-0003

NRO820-0013

Rubber - Sol couté - Gummi - Goma
Borracha - Gomma - Резина - Kumi

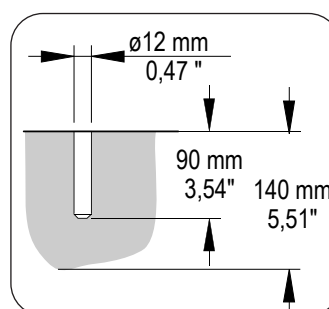
35mm [1.4"]	1,3
55mm [2.2"]	2,4
75mm [3"]	3,5



M12x100
400317



400317 - 12 mm:

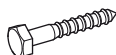


**A**

A100-42

B

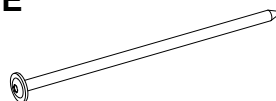
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C

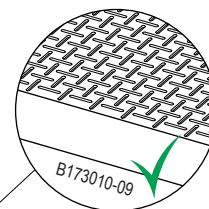
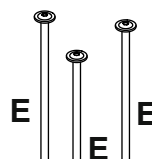
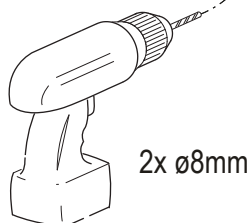
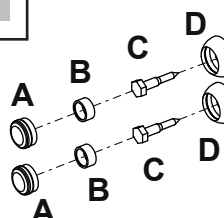
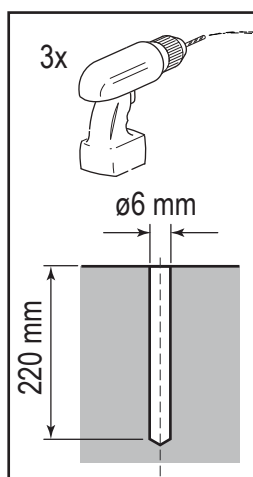
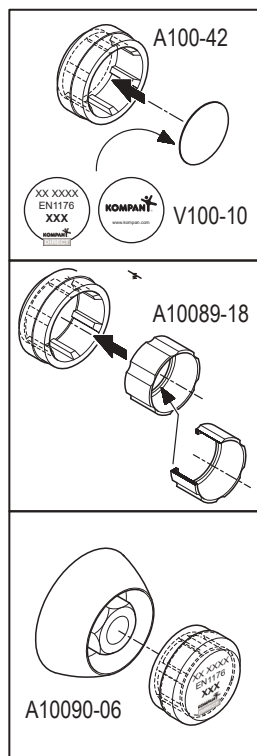
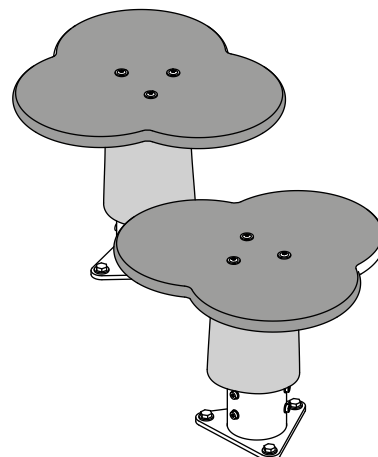
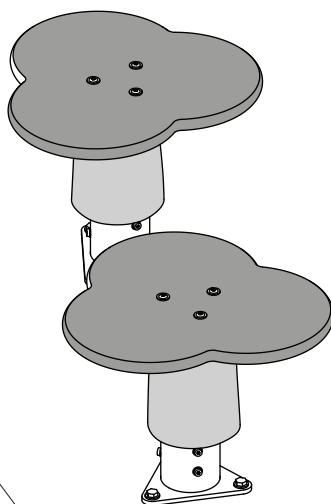
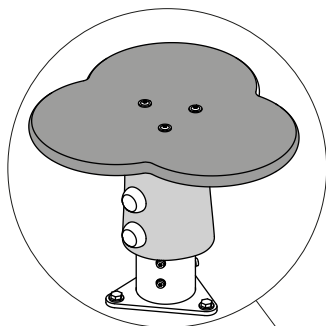
310050

D

A10090-06

E

830600008220

NRO820-0002/FSC**NRO820-0003****NRO820-0013**

B173010-09 - NRO820-0002/FSC
B173030-0326 - NRO820-00X3

T173080-00827/C - NRO820-0002/FSC/-0003
T173080-00828 - NRO820-0013



A



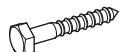
A100-42

B



A10089-18

C



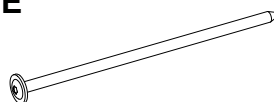
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D



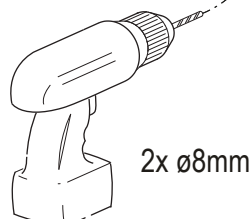
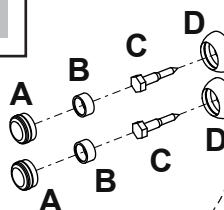
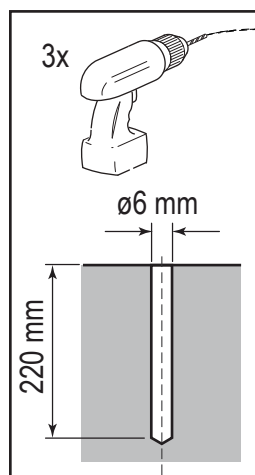
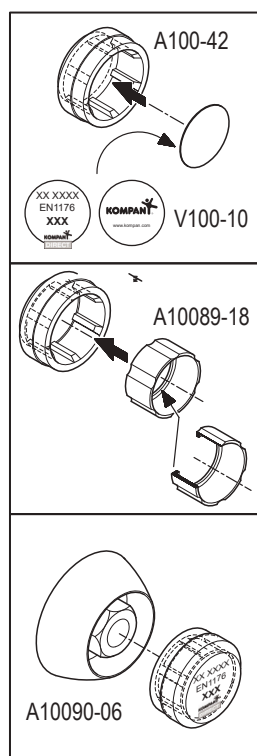
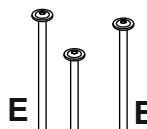
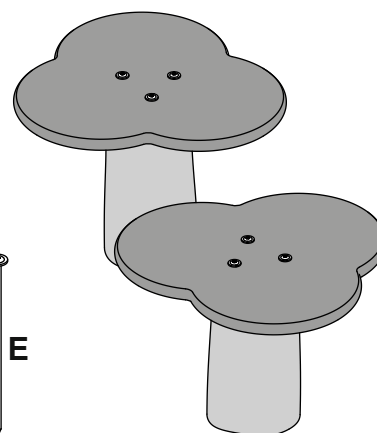
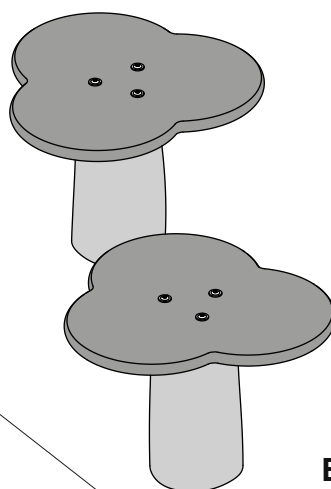
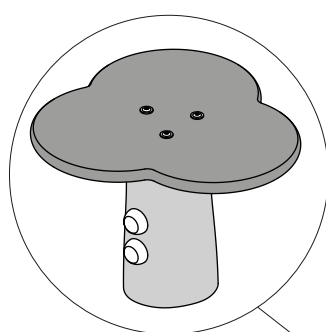
A10090-06

E



830600008220

NRO820-0601/FSC
NRO820-0603/FSC
NRO820-0611/FSC
NRO820-0613/FSC



B173010-09 - NRO820-06X1/FSC
B173030-0326 - NRO820-06X3/FSC

T173080-6027 - NRO820-060X
T173080-6027C - NRO820-060XFSC
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VNRO820XXXX 20160822 PetrJu

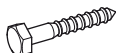
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**A**

A100-42

B

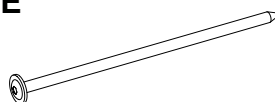
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C

310050

D

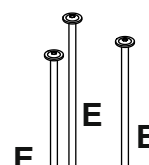
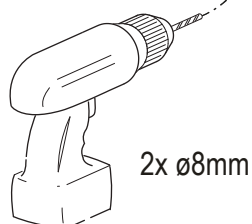
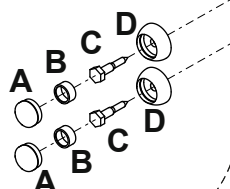
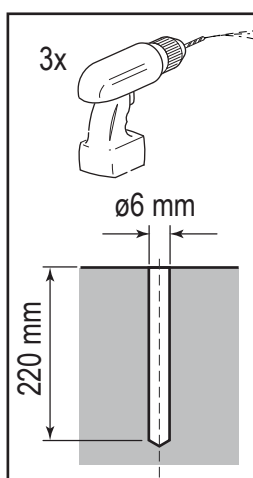
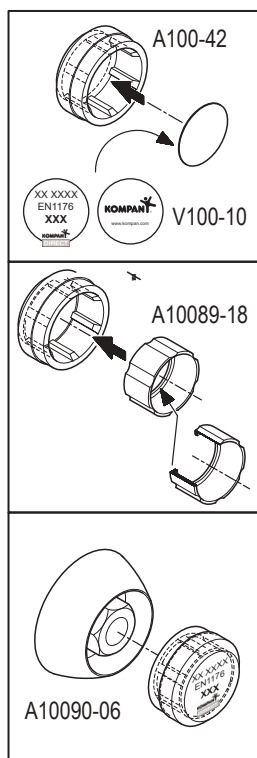
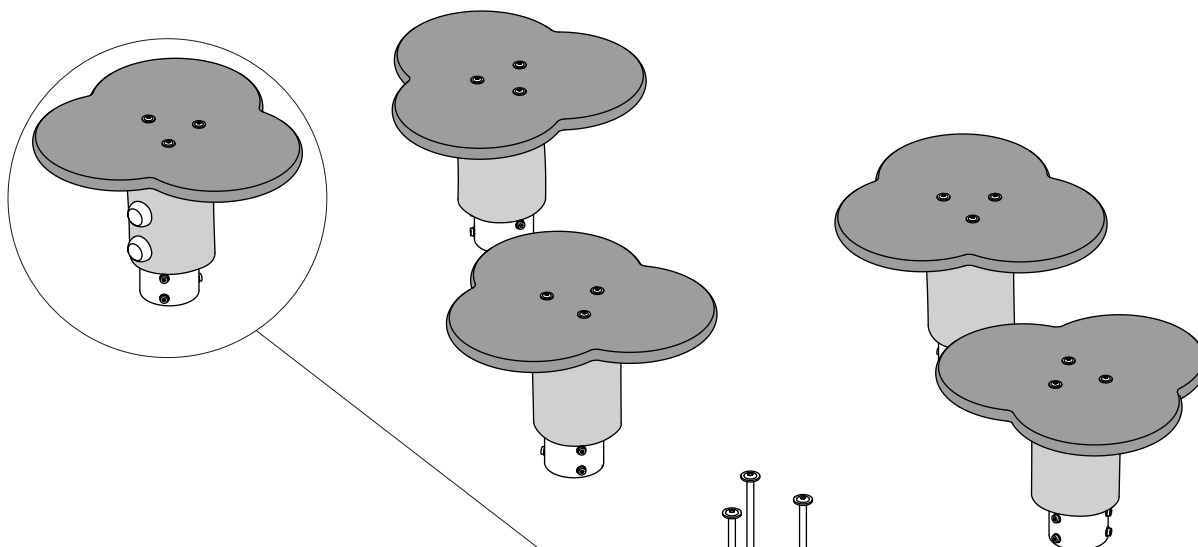
A10090-06

E

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NRO820-1002/FSC

NRO820-1013

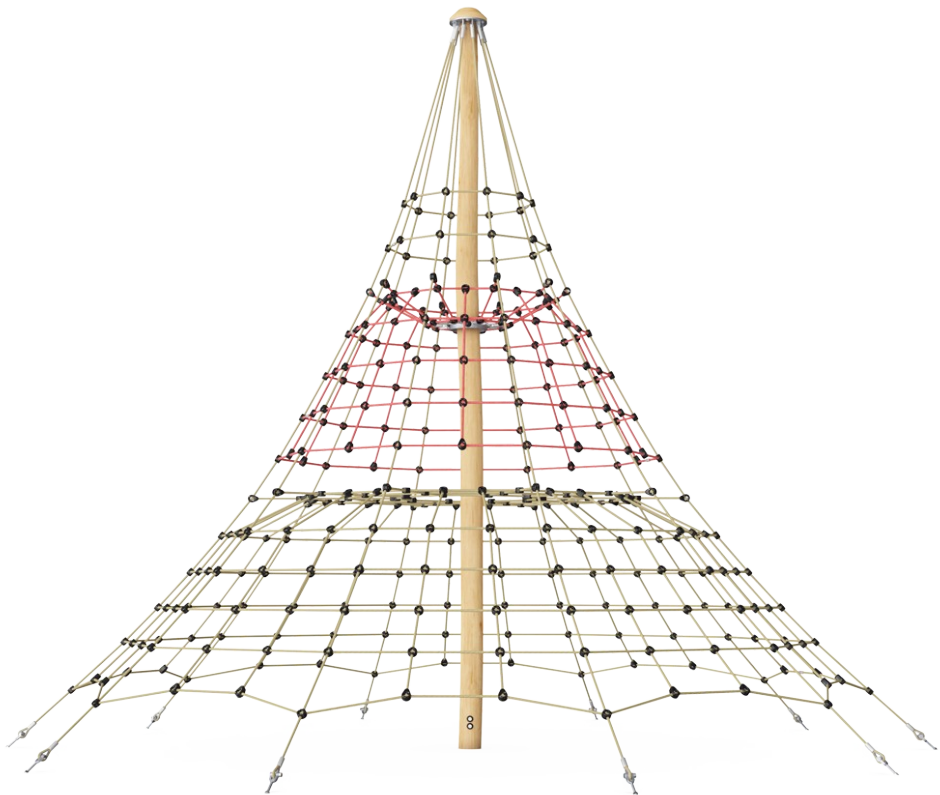


B173010-09 - NRO820-1002/FSC
B173030-0326 - NRO820-1013

T173080-00827/C

Tree Climber

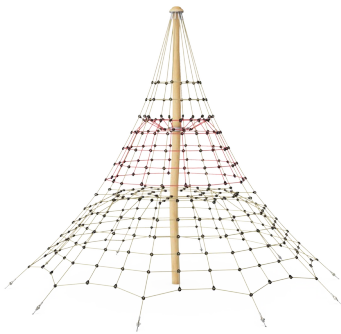
NRO834-1001



Item no. NRO834-1001

General Product Information

Dimensions LxWxH	21'4"x21'4"x17'1"
Age group	5 - 12
Play capacity (users)	34
Item color	



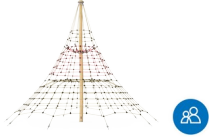
The Tree Climber is a major attraction that invites climbing. Everyone wants to climb to the top – or at least to the first horizontal net. The color coding of the net helps set new destinations, attracting children again and again. The inclined climbing in the net trains children's cross-coordination and muscles as they climb and crawl towards the top.

Furthermore, the sense of space is seriously trained when climbing the heights. The nice horizontal breaks make fine destinations and points for a break. The horizontal nets furthermore invite socializing, providing a spacious place to meet. The height of the net invites risk taking in a safe framework. When the children climb they constantly challenge

their sense of space. This is especially important in judging distances, for instance, on crowded streets.

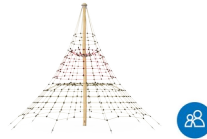
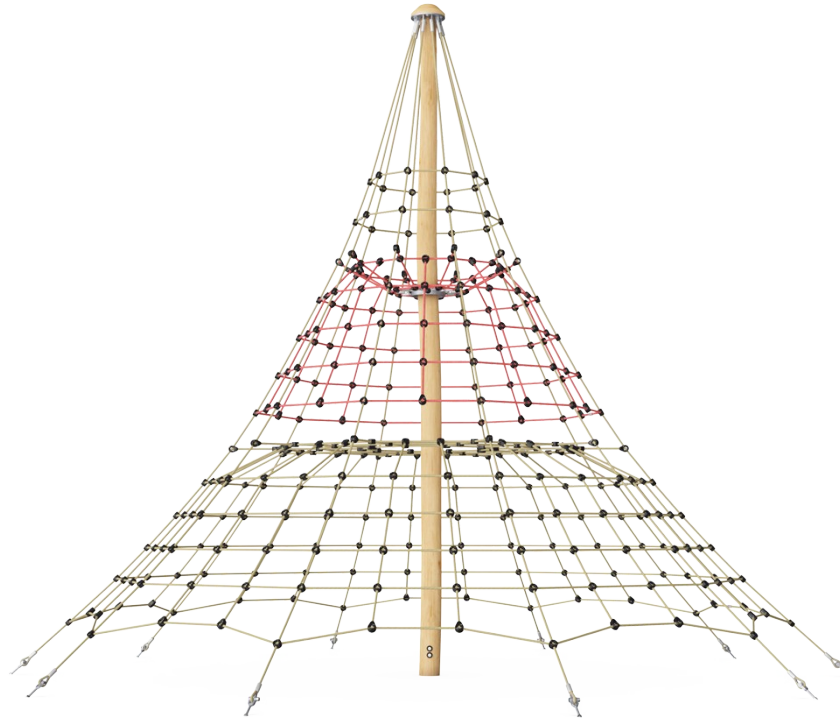
Tree Climber

NRO834-1001



Transparency

Social-Emotional: the transparency makes cooperation and communication possible throughout, important life-skills for children to practice.



Height

Social-Emotional: children develop courage and self-regulation when being up high. This positively impacts self-confidence.

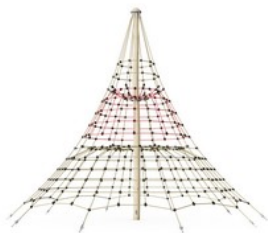


Large climbing net

Physical: the connected nets make climbers feel the movements of the other climbers, adding a dimension of fun and demanding concentration. All muscle groups are trained, as well as cross coordination. **Social-Emotional:** room for breaks for many and support cooperation and turn-taking skills.

Tree Climber

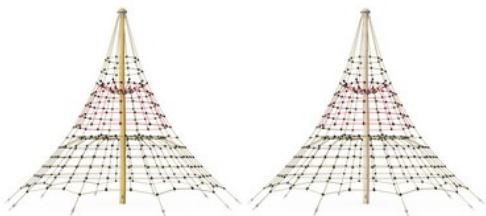
NRO834-1001



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



Nets and ropes are made of UV-stabilized PA with inner steel cable reinforcement. The rope is induction treated in order to create a strong connection between steel and rope which leads to good wear resistance.



The Robinia wood can be supplied as untreated raw wood or painted with a brown colored transparent pigment that maintains the golden wood color of the wood.

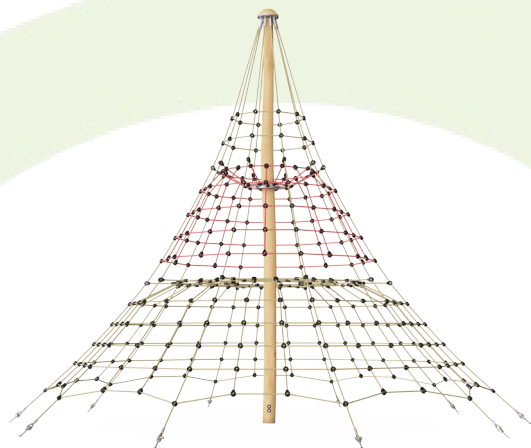
Item no. NRO834-1001	
Installation Information	
Max. fall height	6'0"
Safety surfacing area	872ft²
Total installation time	13.1 hours
Excavation volume	10.28yd³
Concrete volume	7.19yd³
Footing depth (standard)	3'4"
Shipment weight	944lbs
Anchoring options	In-ground ✓
Warranty Information	
Robinia Wood	10 Years
Ropes & nets	10 Years
Spare Parts Availability	10 Years
Stainless steel components	Lifetime

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	1	1
Required	0	1	1



Sustainability Data

NRO834-1001



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRO834-1001	1,208.46	3.77	37.60

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S
C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025
Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

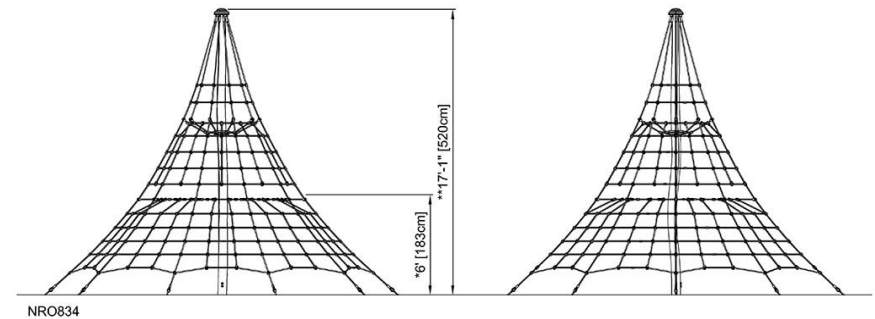
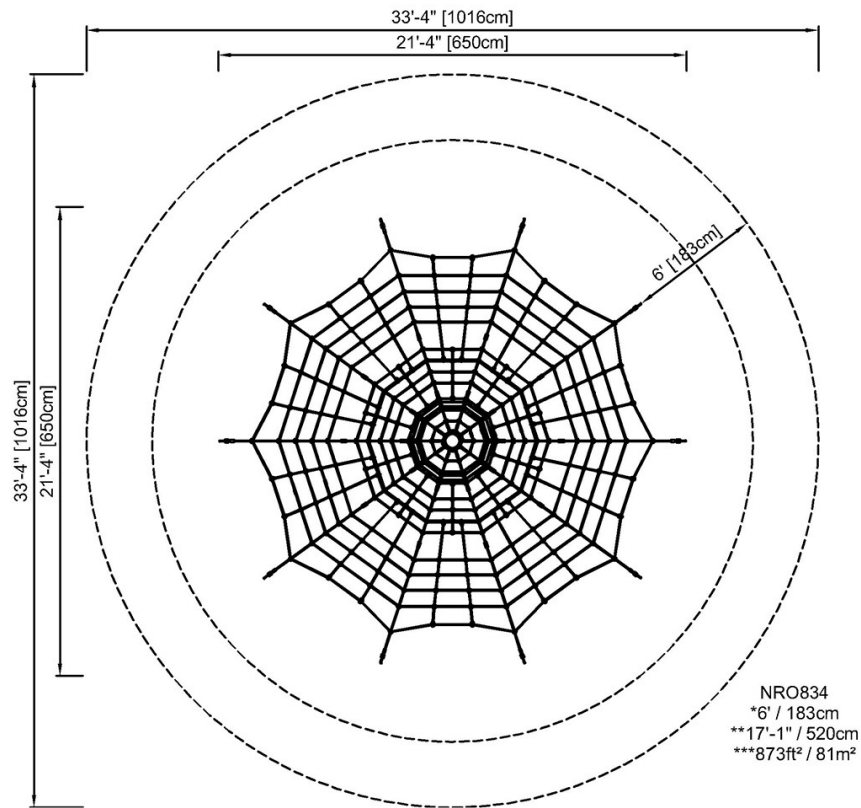


Tree Climber

NRO834-1001

* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



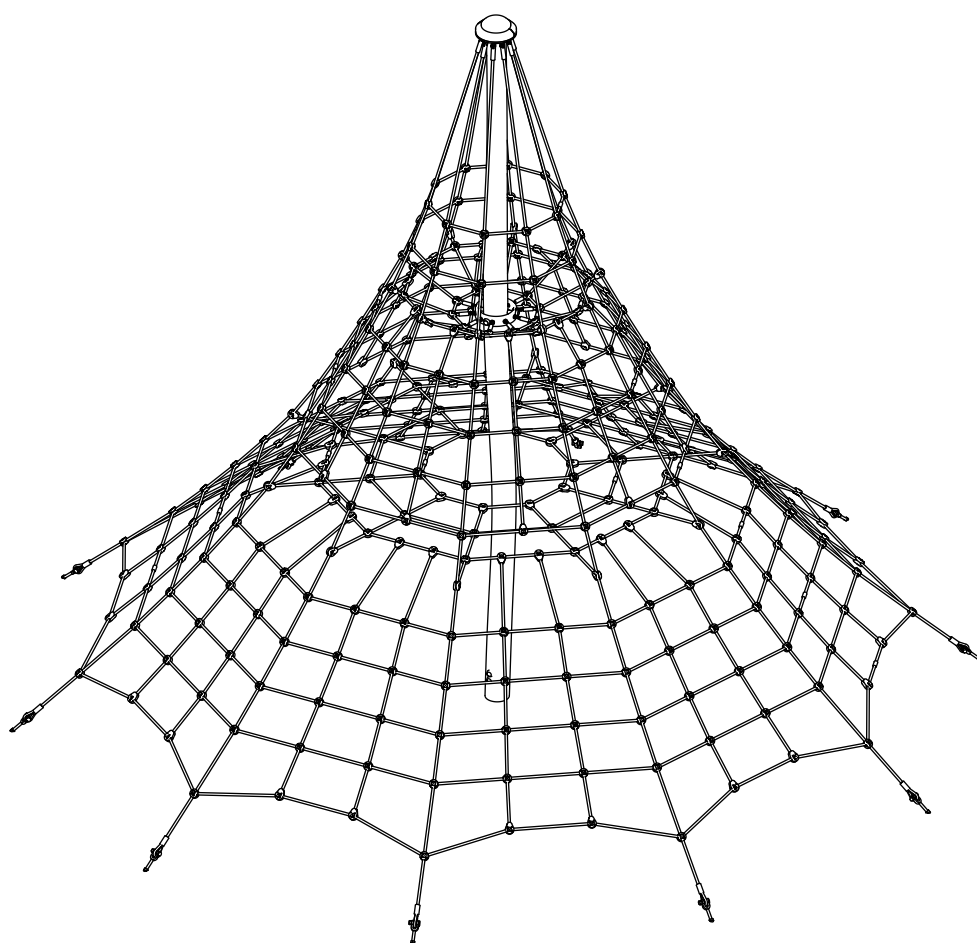
[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)

KOMPAN 

NRO834-1001/FSC

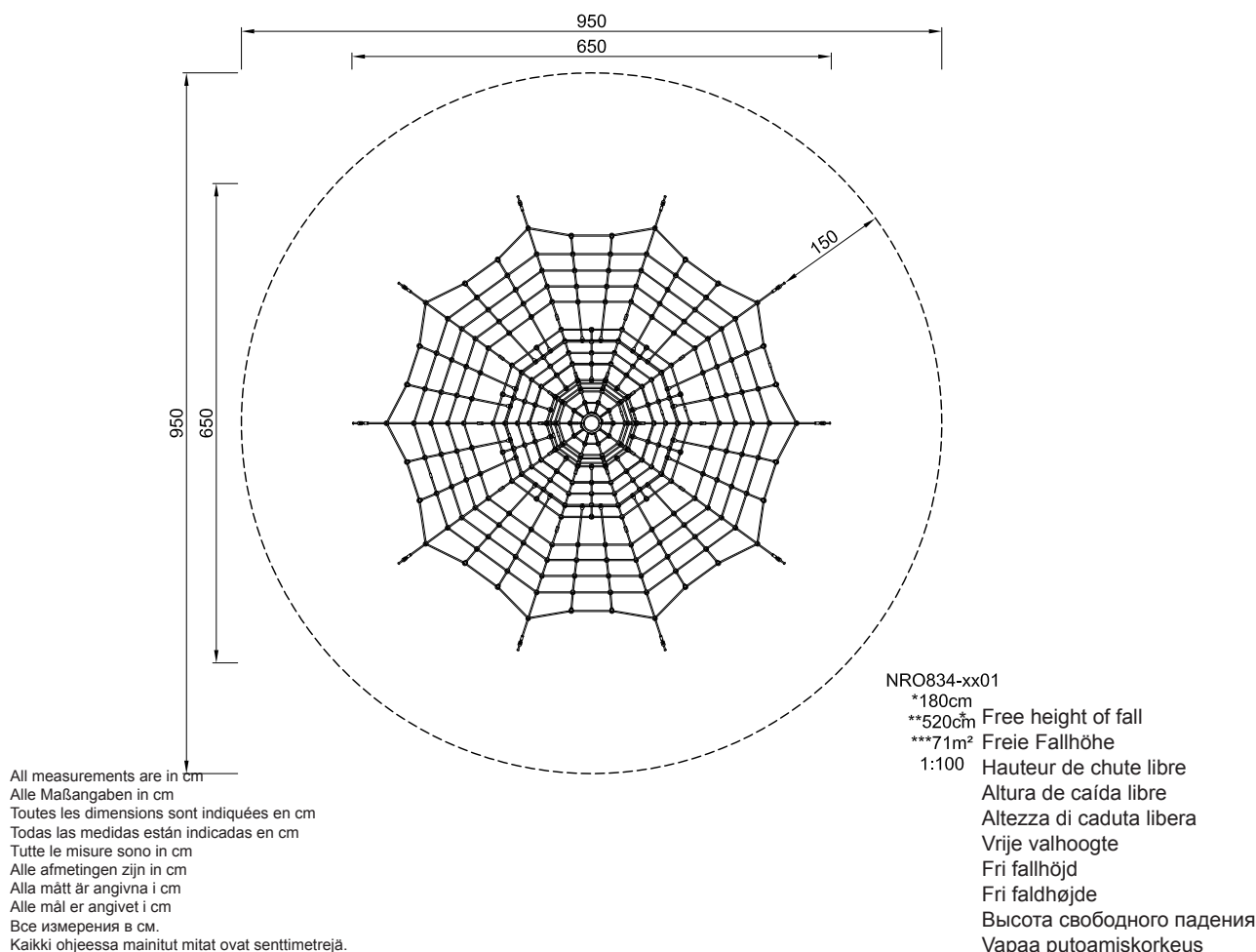
NRO834-1011/FSC



VNRO834 20170116 PetrJu



Safety zone in accordance with EN 1176
Sicherheitsabstand gemäß EN 1176
Espace d'évolution selon EN 1176
Zona de seguridad según EN 1176
Distanze di sicurezza in conformità con lo standard EN 1176
Veiligheidsgebied in overeenstemming met EN 1176
Säkerhetsområde enligt EN 1176
Sikkerhedsareal iht. EN 1176
Зона безопасности в соответствии с EN 1176
EN1176-normin mukainen turva-alue



Please note: The safety zone shown on this drawing is in accordance with EN 1176. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à EN 1176. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con EN 1176. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer EN 1176. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

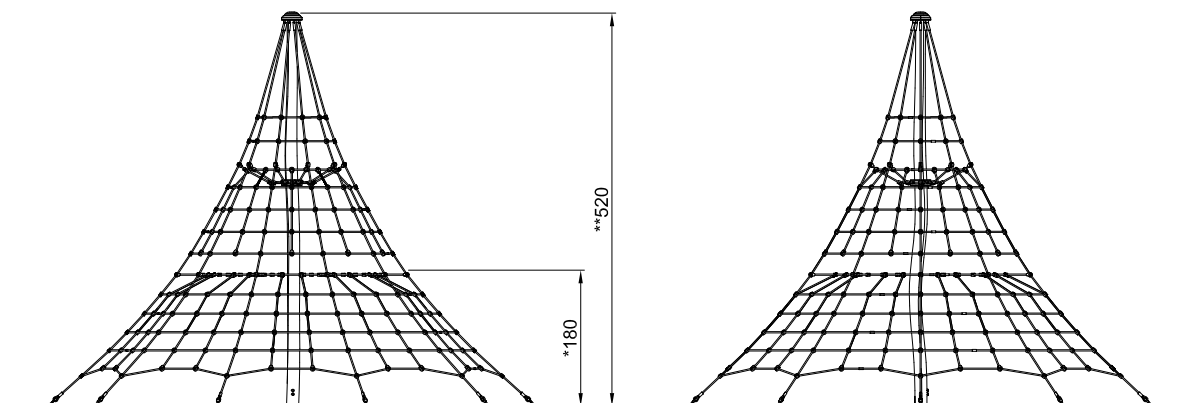
Внимание: Зона безопасности указана в соответствии с EN 1176. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on EN1176-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

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Safety zone in accordance with EN 1176
Sicherheitsabstand gemäß EN 1176
Espace d'évolution selon EN 1176
Zona de seguridad según EN 1176
Distanze di sicurezza in conformità con lo standard EN 1176
Veiligheidsgebied in overeenstemming met EN 1176
Säkerhetsområde enl EN 1176
Sikkerhedsareal iht. EN 1176
Зона безопасности в соответствии с EN 1176
EN1176-normin mukainen turva-alue



NRO834
1:100

All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mått är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeessa mainitut mitat ovat senttimetrejä.

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhøjde
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

Please note: The safety zone shown on this drawing is in accordance with EN 1176. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

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Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerede sikkerhedsområdet følger EN 1176. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

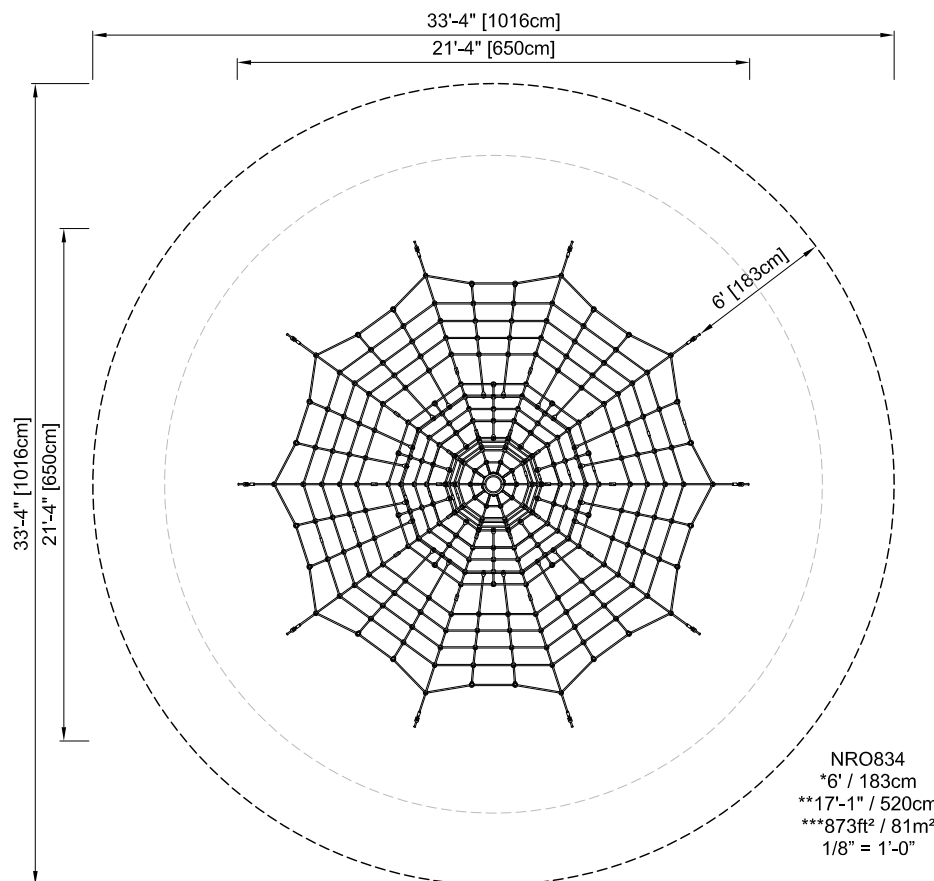
Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с EN 1176. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on EN1176-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANIin.



Safety zone in accordance with ASTM 1487
Sicherheitsabstand gemäß ASTM 1487
Espace d'évolution selon ASTM 1487
Zona de seguridad según ASTM 1487
Distanze di sicurezza in conformità con lo standard ASTM 1487
Veiligheidsgebied in overeenstemming met ASTM 1487
Säkerhetsområde enligt ASTM 1487
Sikkerhedsareal iht. ASTM 1487
Зона безопасности в соответствии с ASTM 1487
ASTM 1487-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhøjde
Fri faldhøjde
Высота свободного падения
Vapaan putoamiskorkeus

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

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N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

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Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

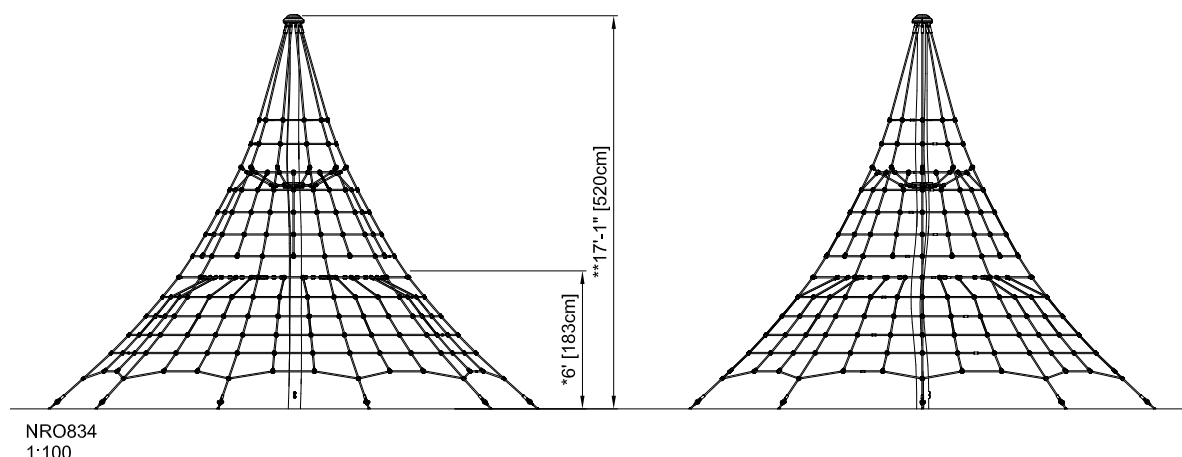
Внимание: Зона безопасности указана в соответствии с ASTM 1487. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-alueita. Jos olet epävarma, otathan yhteyttä KOMPANIin.

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Safety zone in accordance with ASTM 1487
Sicherheitsabstand gemäß ASTM 1487
Espace d'évolution selon ASTM 1487
Zona de seguridad según ASTM 1487
Distanze di sicurezza in conformità con lo standard ASTM 1487
Veiligheidsgebied in overeenstemming met ASTM 1487
Säkerhetsområde enl ASTM 1487
Sikkerhedsareal iht. ASTM 1487
Зона безопасности в соответствии с ASTM 1487
ASTM 1487-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhøjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

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Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti ASTM 1487. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer ASTM 1487. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с ASTM 1487. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-alueita. Jos olet epävarma, otathan yhteyttä KOMPANIin.

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EN

The foundations must be constructed by the client on site and are not included in the delivery.

The concrete for the foundations must be of class C25/30, $f_{ck} = 30 \text{ N/mm}^2$.

The fresh concrete must have a flowing consistency.

After pouring, the concrete must be compacted by means of vibration, tamping, knocking or rodding.

The specified curing periods must be observed.

The dimensions must be adhered to precisely, with a maximum deviation of $\pm 2 \text{ cm}$.

The dimensions specified for the anchor blocks, posts and mast foundations are only valid if the structure is to be set on undisturbed soil of average bearing strength. For filled ground or lower bearing strengths:

- the height of the anchor blocks must be increased to 100 cm,
- the post and mast foundations must be enlarged to measure 100 x 100 cm in plan.

FR

Les fondations sont à la charge du client et ne sont pas incluses lors de la livraison. Le béton des fondations doit être un béton de type C25/30, $f_{ck}=30 \text{ N/mm}^2$. La consistance du béton doit être fluide. Lors du montage, le béton doit être compacté par vibration, damage, pilonnage ou vibrage interne.

Veiller à respecter le temps minimum de prise du béton.

Respecter avec précision les cotes indiquées, différence maximale $\pm 2 \text{ cm}$.

Les cotes indiquées pour les blocs d'ancrage, les poteaux et les fondations des mâts ne sont valables que pour un sol naturel à portance moyenne.

En cas de remblais et de sols de moindre portance:

- la profondeur des blocs d'ancrage doit être portée à 100 cm,
- la taille des fondations des poteaux et des mâts doit être portée à 100 x 100 cm.

IT

I blocchi di fondazione devono essere realizzati dal committente e non fanno parte della fornitura.

Il calcestruzzo per i blocchi di fondazione deve essere realizzato conformemente alla classe di resistenza C25/30, $f_{ck}=30 \text{ N/mm}^2$. La consistenza del calcestruzzo deve essere fluida. Per la messa in opera, il calcestruzzo deve essere compattato tramite vibrazione, colpi, costipamento.

Rispettare i tempi di maturazione prescritti.

Rispettare rigorosamente le dimensioni; tolleranza max $\pm 2 \text{ cm}$.

Le dimensioni indicate per i blocchi di ancoraggio, pali e fondazioni del montante valgono solamente per terreno naturale di resistenza media. In caso di terra da riporto e terreni poco resistenti

- i blocchi di ancoraggio devono essere portati a 100 cm di profondità;
- i blocchi di fondazione dei pali e del montante devono essere portati a 100 x 100 cm di dimensione in pianta.

SV

Fundamenten skall göras av kunden och omfattas inte av leveransen.

Betongen för fundamenten skall tillverkas enligt hållfasthetsklass C25/30, $f_{ck} = 30 \text{ N/mm}^2$. Betongens konsistens skall vara flytande.

Vibrera eller stampa betongen för att bli av med luftbubblor och komprimera den.

De föreskrivna härdningstiderna måste observeras.

Måtten måste observeras exakt, max avvikelse 2cm.

De uppgivna måtten för förankringsblock, stolpar och mastfundament gäller endast naturlig mark med genomsnittlig bärförmåga. Vid utfylld mark och mark med låg bärförmåga måste

- förankringsblockens djup ökas till 100 cm,
- stolp- och mastfundamenten ökas till 100 x 100 cm i plan.

DE

Die Fundamente sind bauseits zu erstellen und gehören nicht zum Lieferumfang.

Der Beton für die Fundamente muss der Güteklasse C25/30, $f_{ck} = 30 \text{ N/mm}^2$ entsprechen. Die Konsistenz des Frischbetons muss eine fließend sein.

Beim Einbau ist der Beton durch Rütteln, Stampfen, Klopfen oder Stochern zu verdichten.

Die vorgeschriebenen Abbindezeiten sind zu beachten.

Die Maße müssen genau eingehalten werden. Die Abweichung darf maximal $\pm 2 \text{ cm}$ betragen.

Die angegebenen Abmessungen für Ankerblöcke, Pfosten- und Mastfundamente gelten nur für gewachsenen, durchschnittlich tragfähigen Boden. Bei Aufschüttungen und weniger tragfähigem Boden müssen

- die Ankerblöcke auf 100 cm Tiefe vergrößert werden,
- die Pfosten- und Mastfundamente im Grundriss auf 100 x 100 cm vergrößert werden.

ES

Las cimentaciones serán ejecutadas a cargo del propietario y no forman parte del suministro.

El hormigón utilizado para las cimentaciones debe ser producido de acuerdo con la clase de resistencia C25/30, $f_{ck} = 30 \text{ N/mm}^2$. La consistencia del hormigón debe ser fluida. Al instalarlo, el hormigón debe ser compactado haciéndolo vibrar, apisonándolo, sacudiéndolo o removiéndolo.

Se deben respetar los tiempos de fraguado prescritos.

Las medidas deben ser respetadas con exactitud, divergencia máxima $\pm 2 \text{ cm}$.

Las medidas indicadas para los bloques de anclaje, para las cimentaciones de los postes y del mástil solamente son válidas para suelos competentes y normalmente resistentes. En caso de rellenos y en caso de suelos menos resistentes

- los bloques de anclaje deben ser agrandados a 100 cm de profundidad,
- las cimentaciones de los postes y del mástil deben ser ampliados hasta medir 100 x 100 cm en relación a la planta.

NL

De fundamente moeten bij het opbouwen worden aangelegd en behoren niet tot de levering.

Het beton voor de fundamente moet overeenkomstig vastheidsklasse C25/30, $f_{ck}=30 \text{ N/mm}^2$ worden geproduceerd. De betonconsistentie moet vloeïend zijn. De betonnen fundamente door trillen, stampen, kloppen of porren verdichten.

Met de voorgeschreven verhardingstijden rekening houden.

Nauwkeurig aan de afmetingen houden, maximale afwijking $\pm 2 \text{ cm}$.

De voorgeschreven afmetingen voor ankerblokken, palen en mastfundamente gelden alleen voor een gegroeide, normaal draagkrachtige grond. Bij aangevulde grond en gering draagkrachtige grond moeten

- de ankerblokken tot een diepte van 100 cm worden vergroot,
- de paal- en mastfundamente tot 100 x 100 cm in horizontale projectie worden vergroot.

DK

Fundamenterne skal udføres af kunden og er ikke en del af leveransen.

Fundamentet skal udføres af beton med styrkeklasse C25/30 $f_{ck}=30 \text{ N/mm}^2$.

Betonens konsistens skal være flydende. Efter udstøbning vibreres eller stemples betonen for at fjerne luft ansamlinger og komprimere den.

De foreskrevne hærde tider skal overholdes før yderligere montage og ibrugtagning.

De angivne målsætninger må ikke afvige med mere end $\pm 2 \text{ cm}$ og gælder kun for ikke anlagte jordbundsforhold.

Ved opgravede eller tilbagefyldte jordforhold samt jordbund med ringe bæreevne øges ankerblokkens dybde til 100cm og mastefundamentets udstrækning øges til 100 x 100cm.

RU

Фундаменты закладываются со стороны заказчика и не входят в комплект поставки.

Бетон для закладки фундаментов должен соответствовать классу прочности С 25/30, при нормативном сопротивлении $f_{ck} = 30 \text{ Н/мм}^2$. По консистенции бетон должен быть текучим.

При укладке бетон уплотняется путем вибрации, трамбования, обстукивания или шурования.

Учитывать предусмотренные сроки схватывания бетона.

Точно соблюдать указанные размеры, максимальная погрешность составляет $\pm 2 \text{ см}$.

Монтажные размеры, указанные в отношении анкерных блоков, стоек и фундаментов мачты, рассчитаны на прочный грунт, выдерживающий среднюю нагрузку. При наличии насыпного и слабонесущего грунта:

- увеличить глубину расположения анкерных блоков до 100 см;
- увеличить размеры фундаментов стоек и мачты до 100 x 100 см в горизонтальном разрезе.

FI

Asiakas tekee torniverkon asennuspaikalle perustukset. Perustukset eivät kuulu toimitussisältöön.

Perustusten betonin on oltava lujuusluokkaa C25/30, $f_{ck} = 30 \text{ N/mm}^2$.

Tuoreen betoniseoksen on oltava notkeaa.

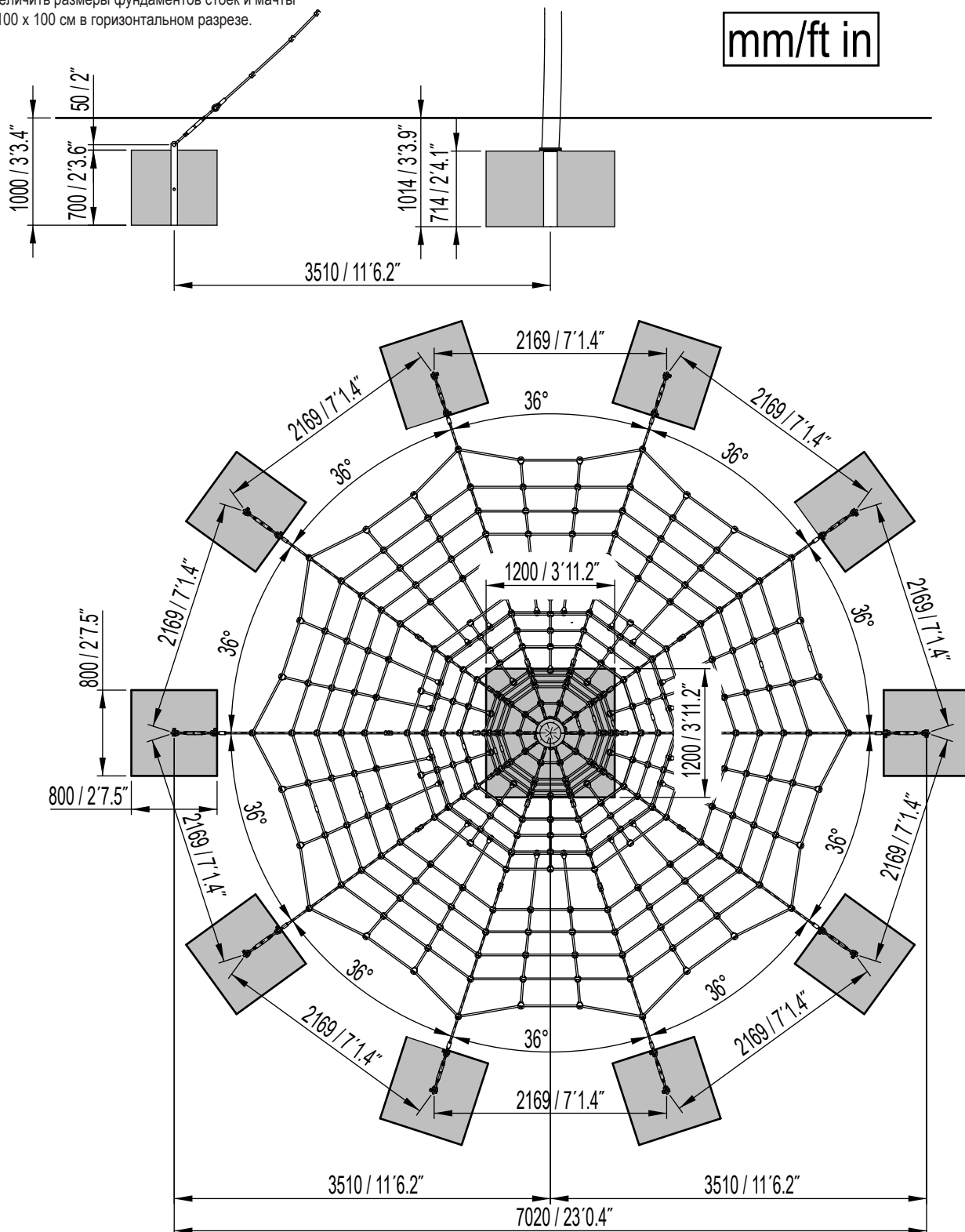
Perustuksiin kaadettu betoni on tiivistettävä (sauva)täyttämällä, juntaamalla tai iskemällä.

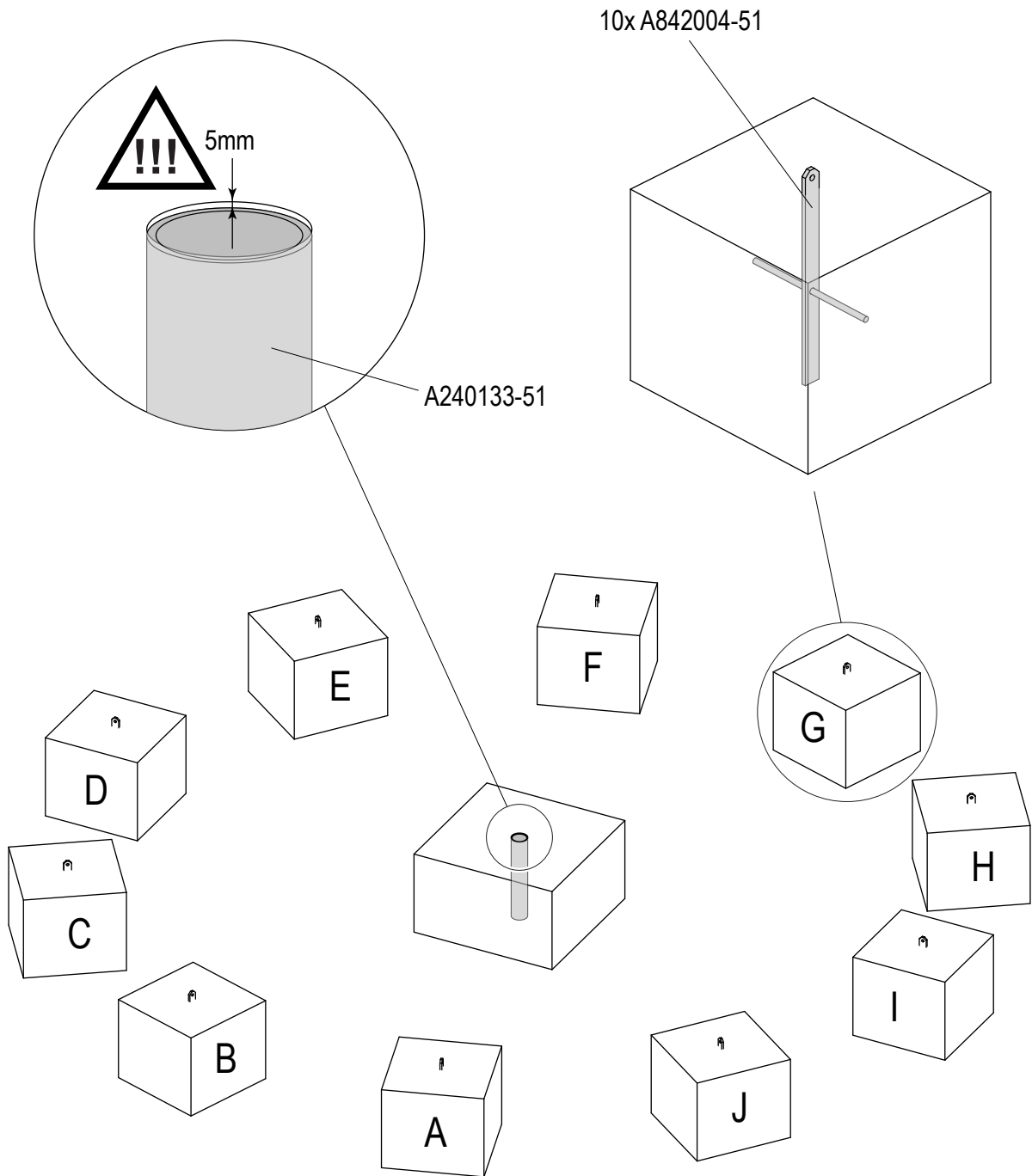
Betonin kovettumisaikaa on noudatettava.

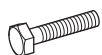
Annettu mittoja on noudatettava tarkasti. Mittojen sallittu poikkeama on $\pm 2 \text{ cm}$.

Ankkurointipalkkien, kiinnitysosien ja tornin perusteiden mitat pätevät vain, kun torniverkko asennetaan tukevalle, koskemattomalle maalle, jonka kantokyky on hyvä. Täyttömaa tai kantokyvyltään heikompi maa:

- ankkurointipalkkien on oltava 100 cm korkeampia
- kiinnitysosien ja tornin perustuksia on suurennettava vastaamaan 100 x 100cm piirustuksessa.



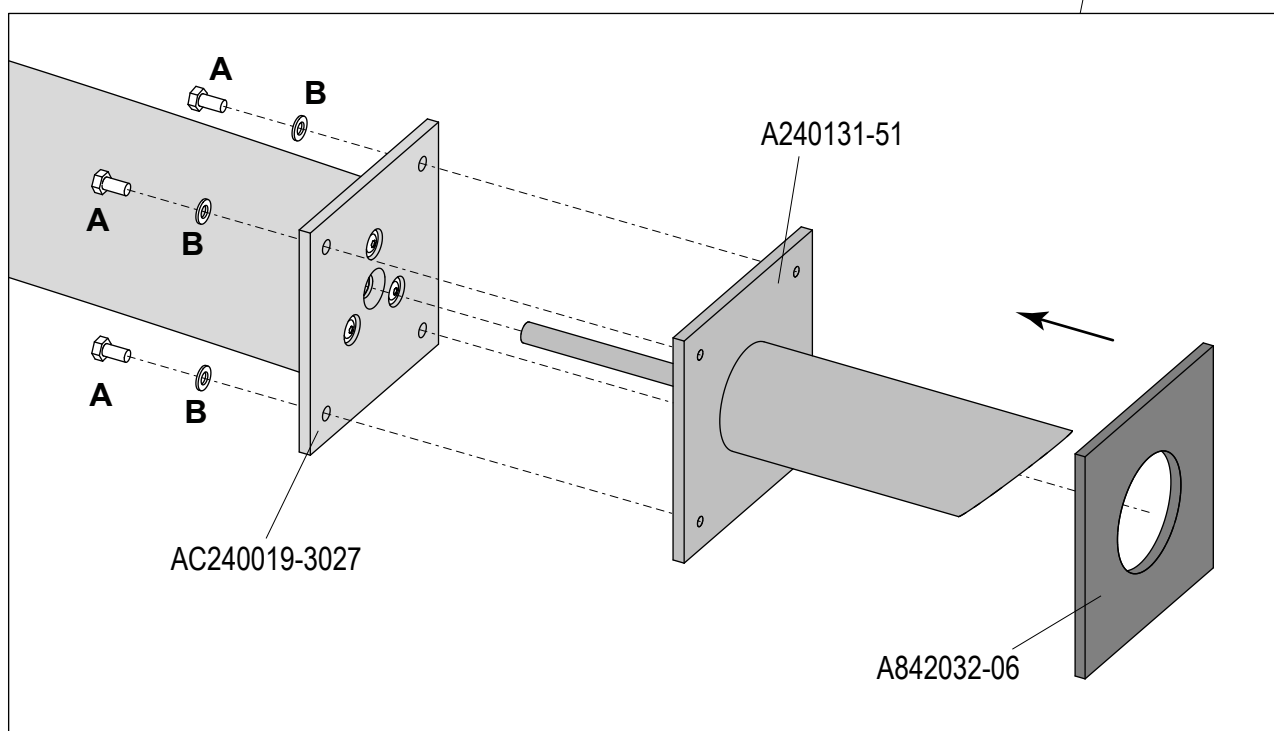
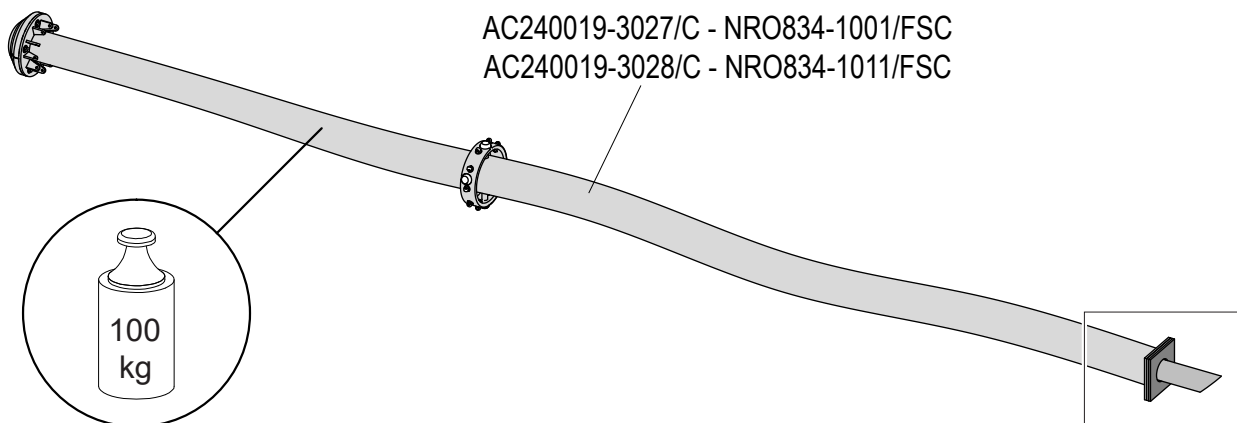


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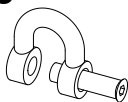
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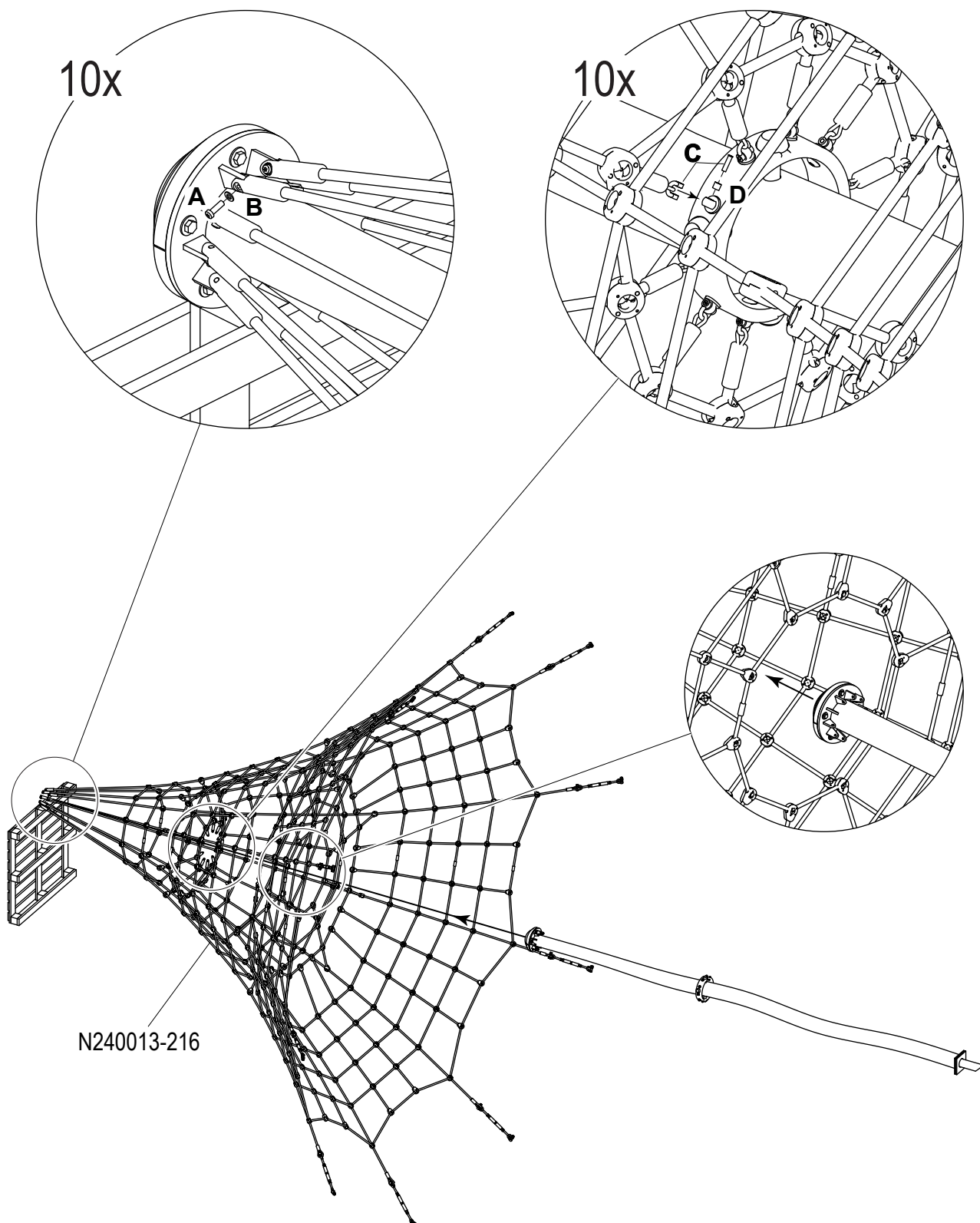


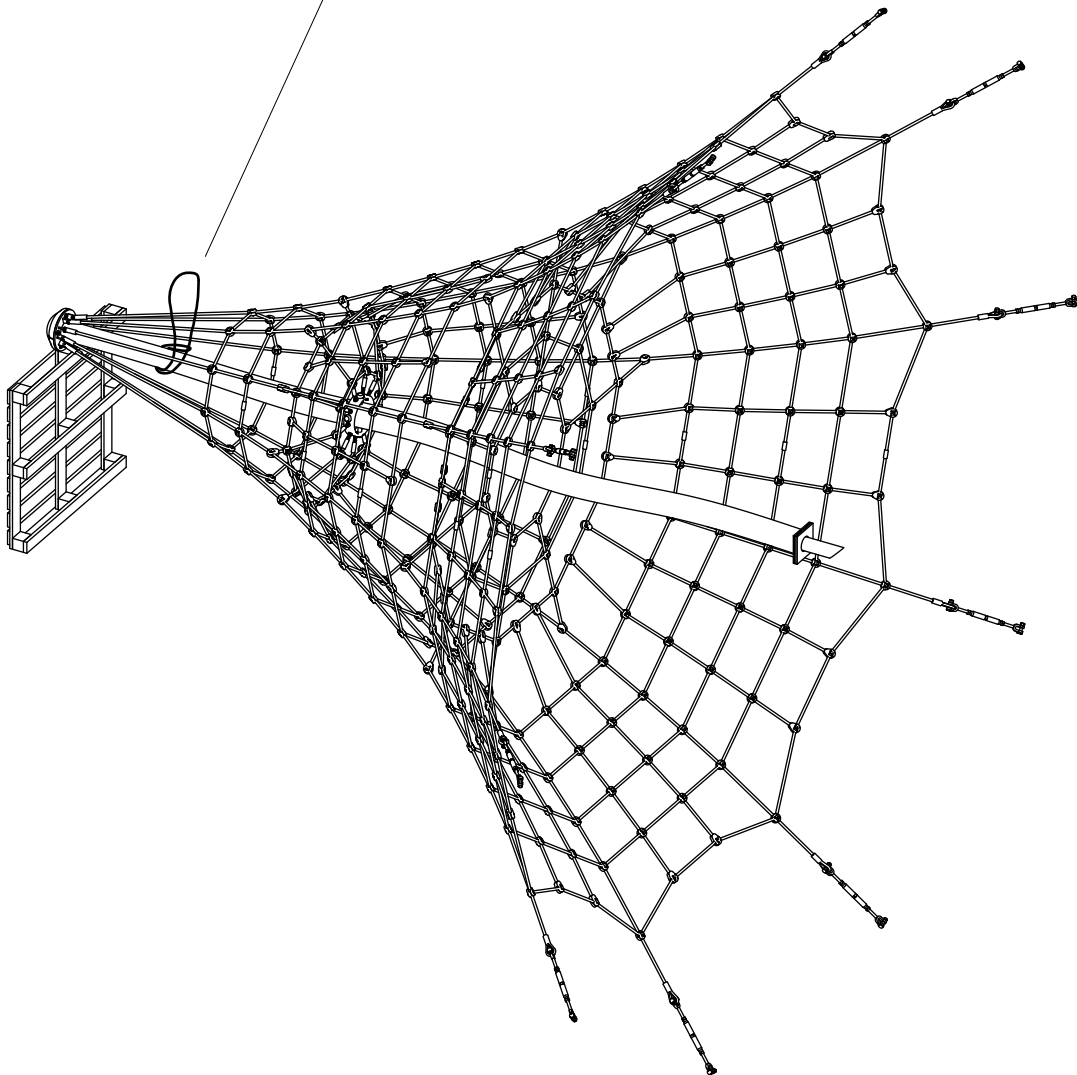
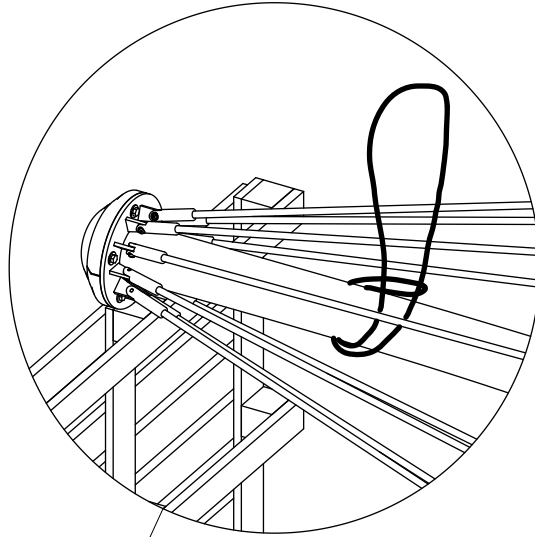
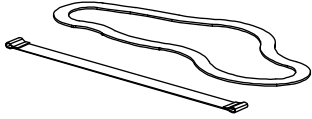
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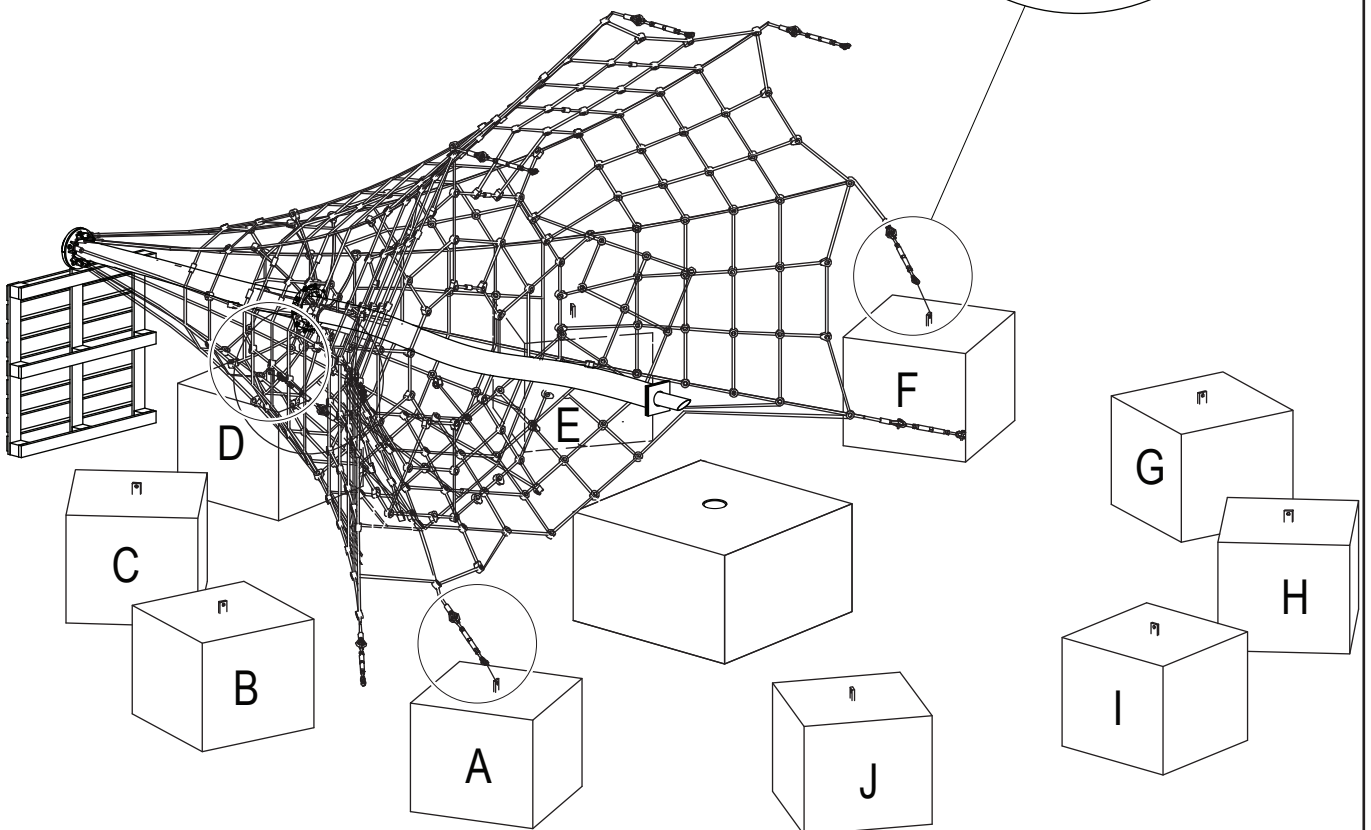
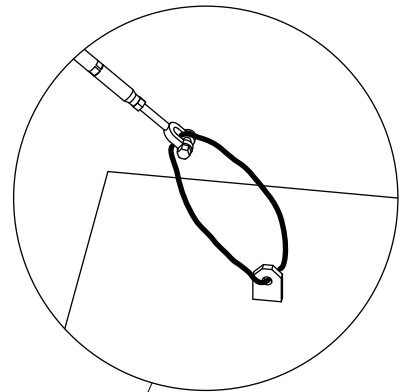
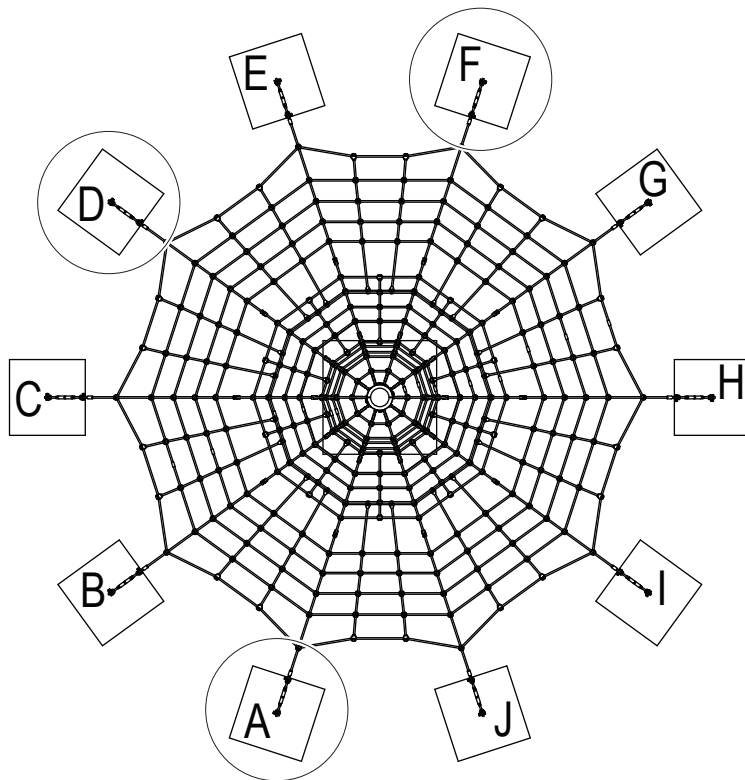
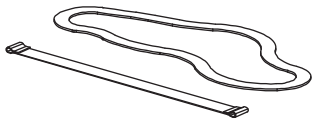
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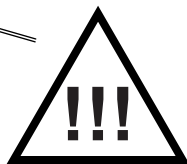
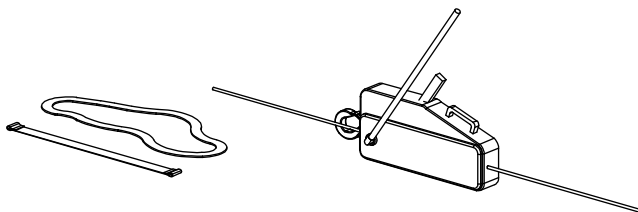


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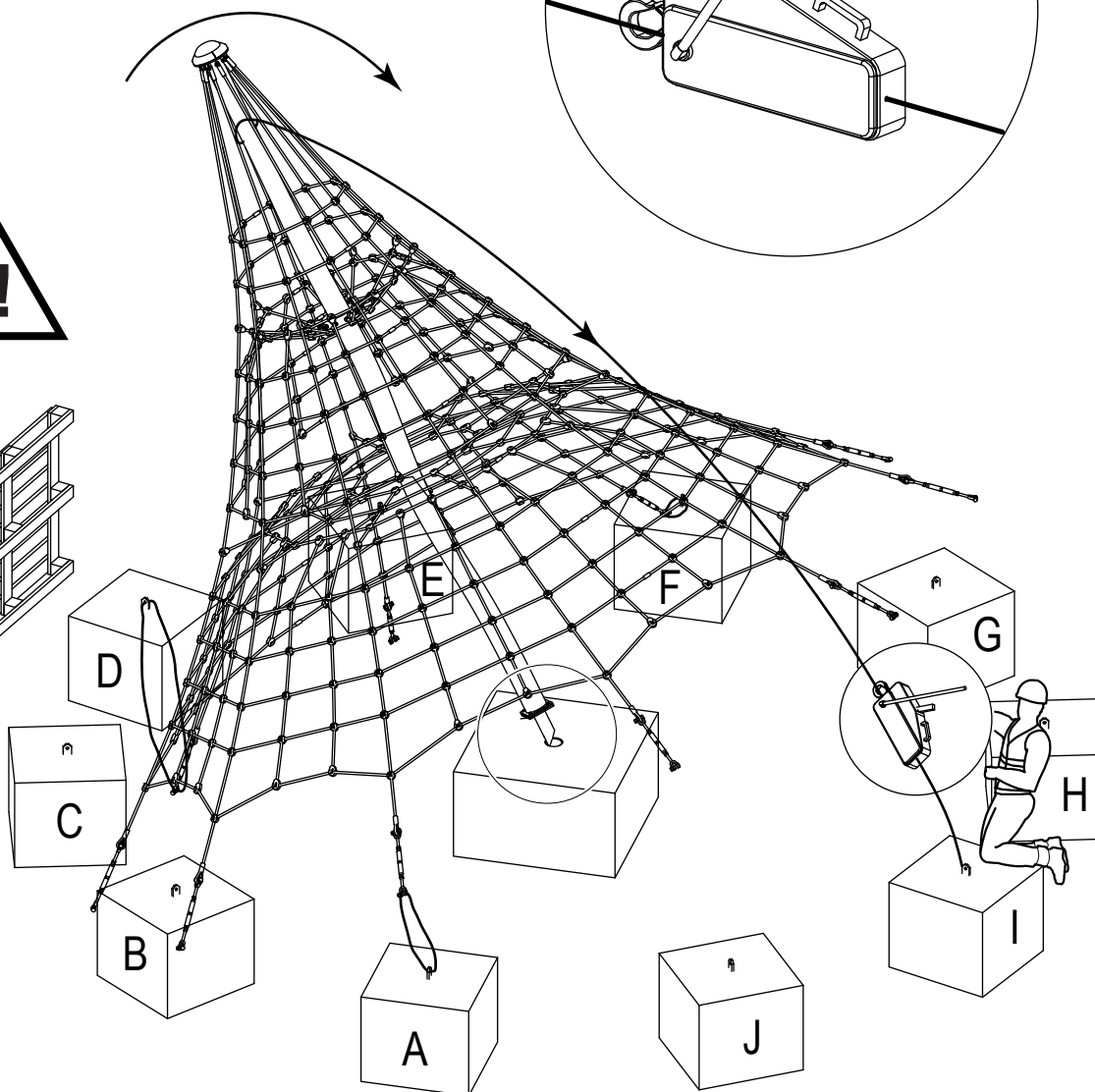
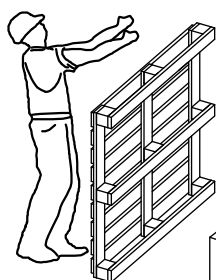
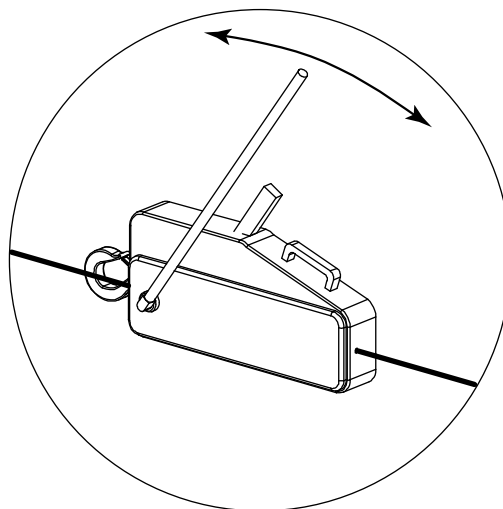
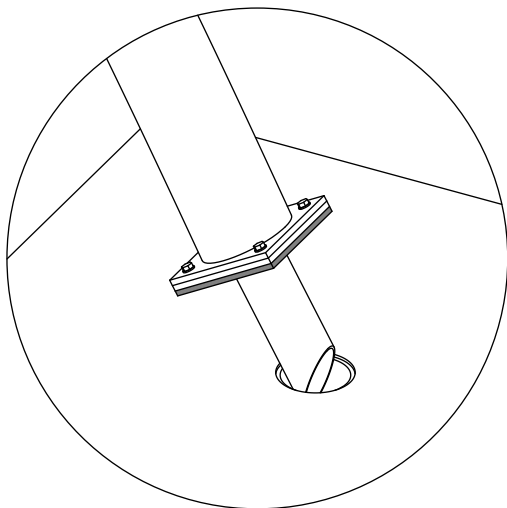


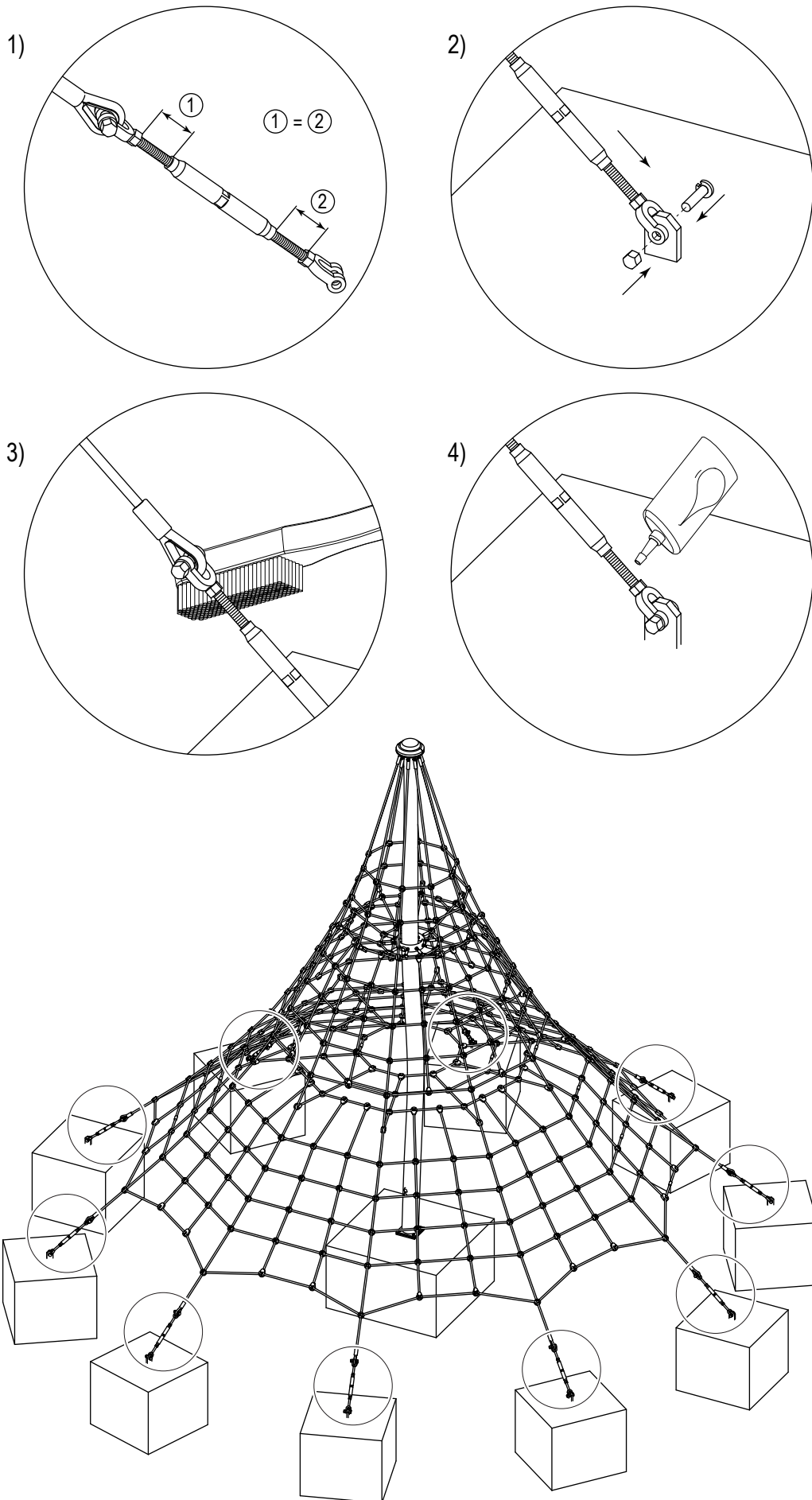


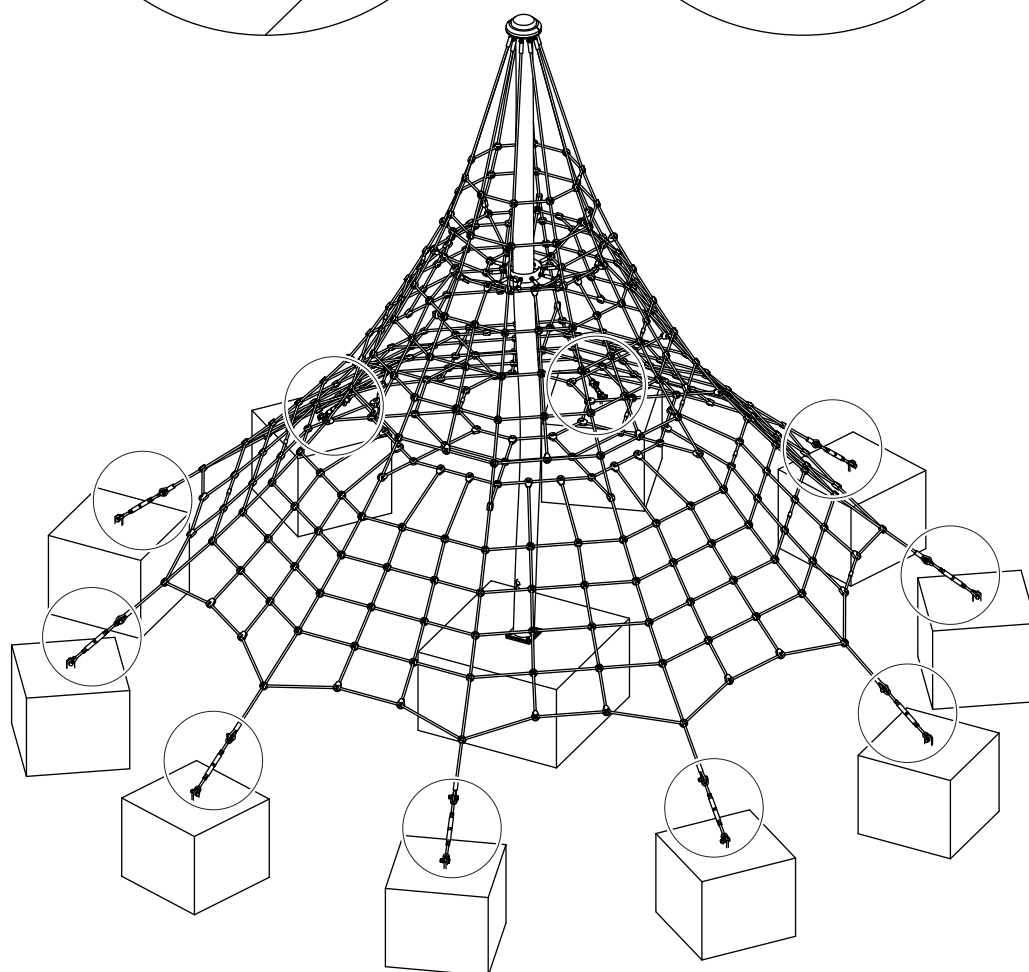
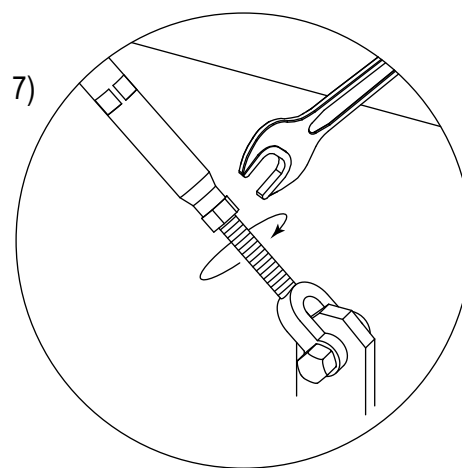
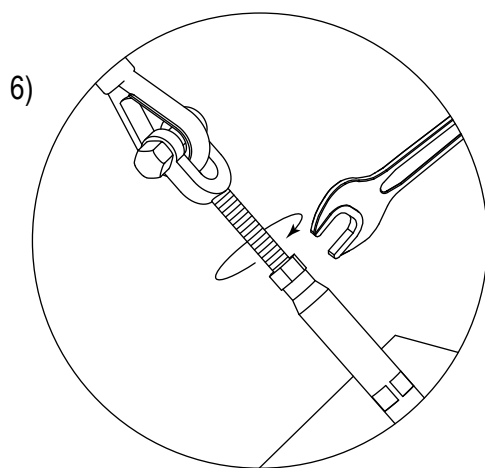
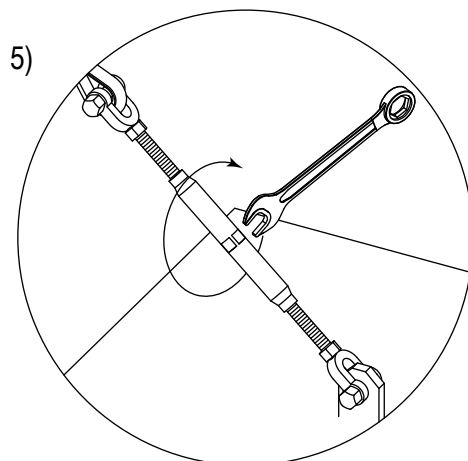


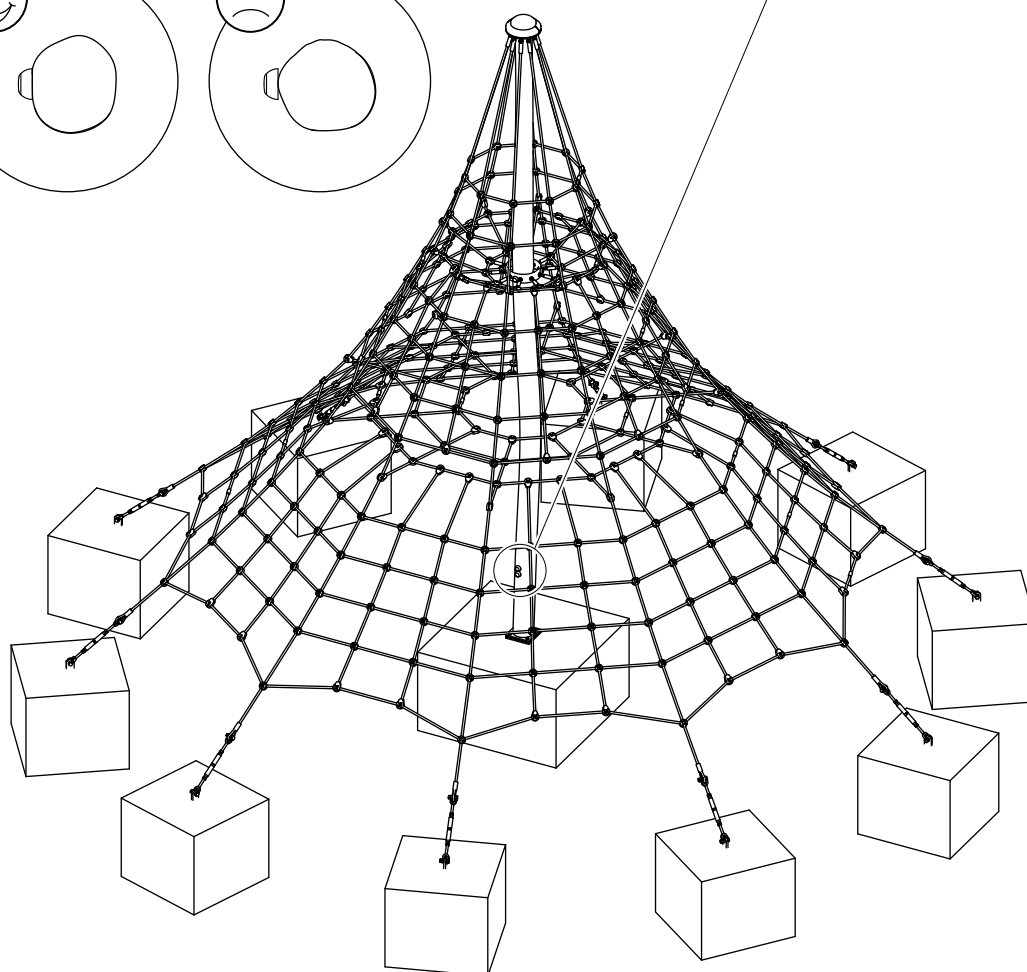
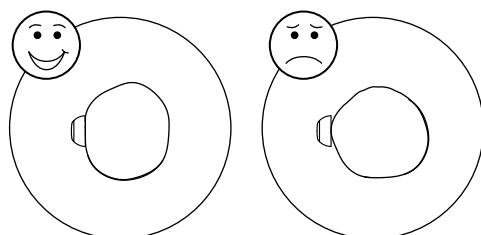
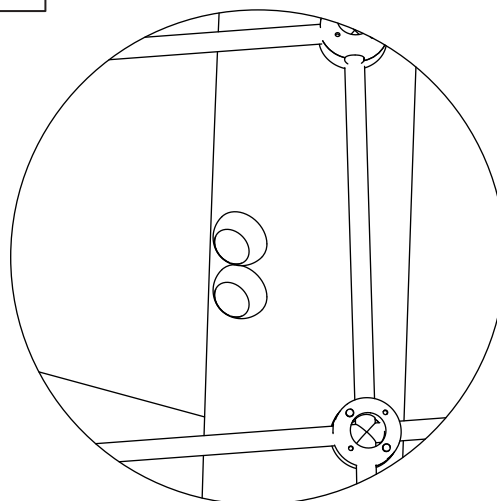
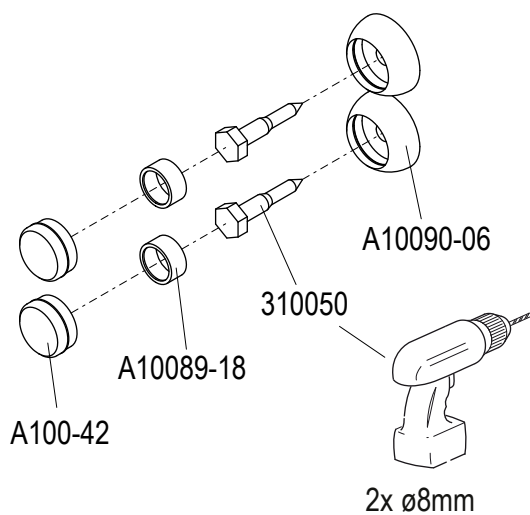
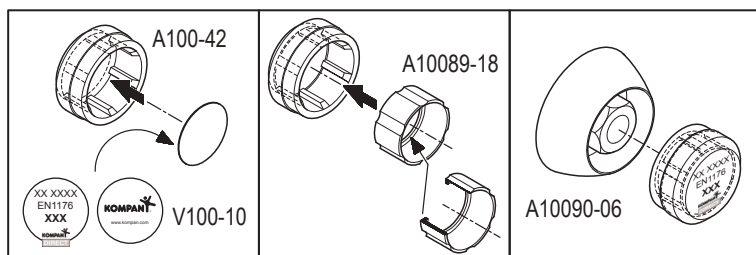


Remove from the danger area!
Aus dem Gefahrenbereich entfernen!
Eloigner de la zone à risques !
¡Retire se de la zona peligrosa!
Rimuovere dalla zona di pericolo!
Haal ze uit de gevarezone!
Ta bort från området!
Fjern fra området!
Удалить всех из опасной зоны!
Poistu vaara-alueelta!



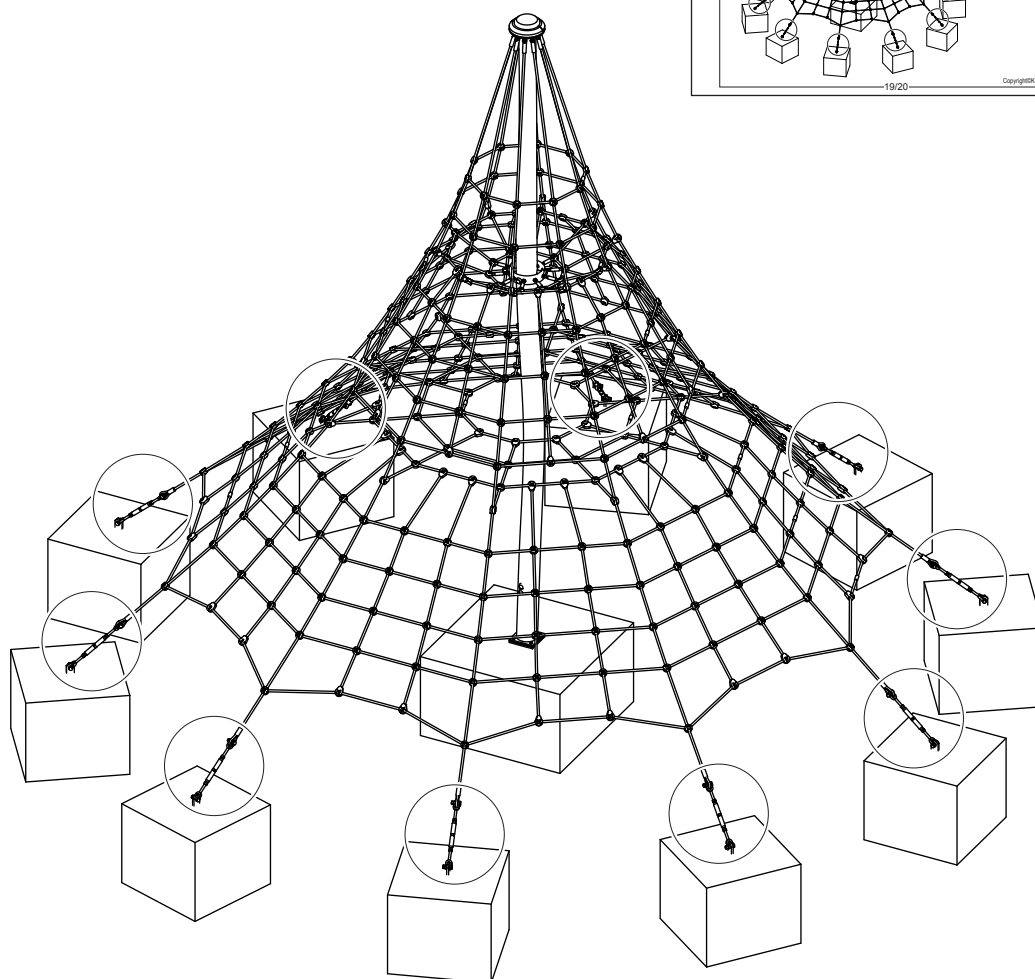
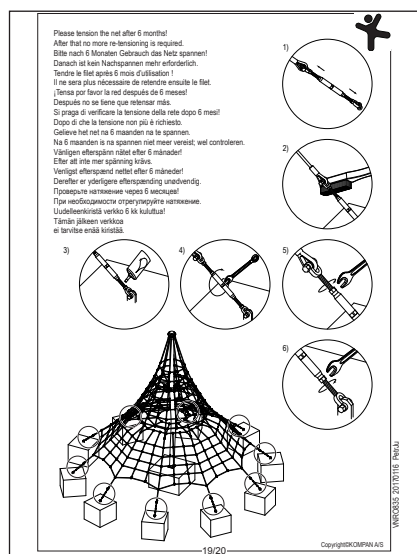






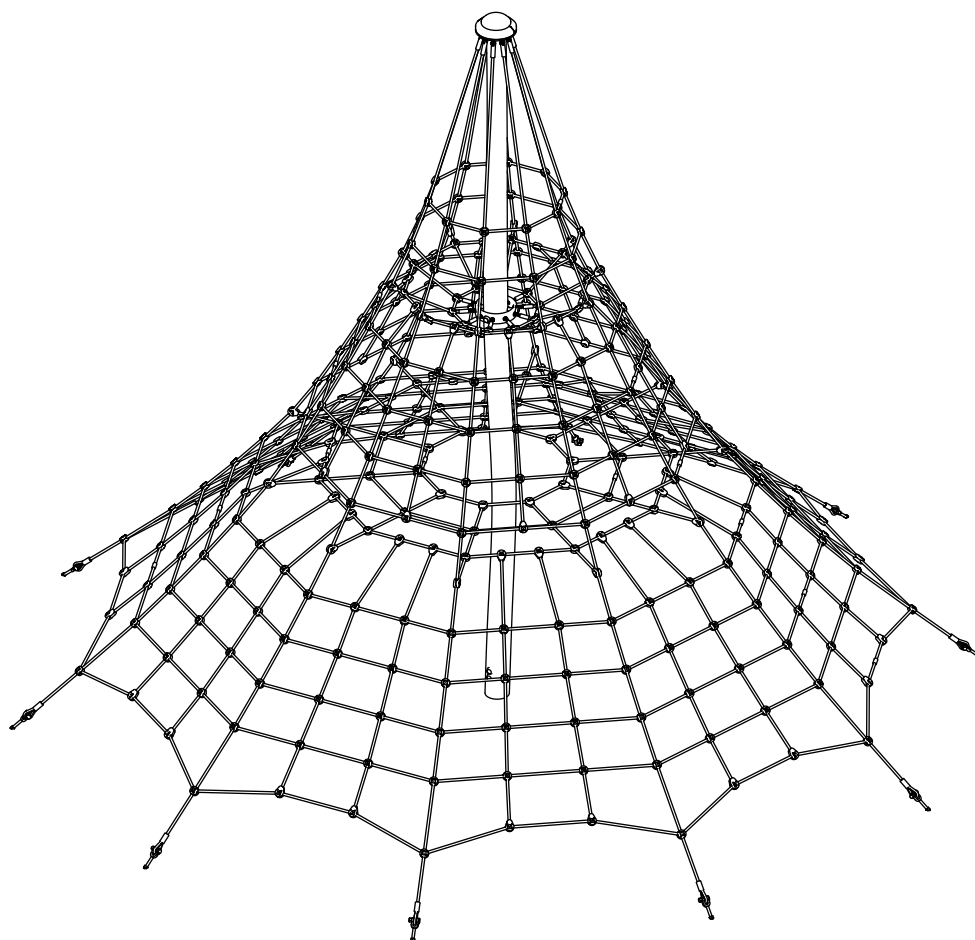


Please tension the net after 6 months!
After that no more re-tensioning is required.
Bitte nach 6 Monaten Gebrauch das Netz spannen!
Danach ist kein Nachspannen mehr erforderlich.
Tendre le filet après 6 mois d'utilisation !
Il ne sera plus nécessaire de retendre ensuite le filet.
¡Tensa por favor la red después de 6 meses!
Después no se tiene que retensar más.
Si praga di verificare la tensione della rete dopo 6 mesi!
Dopo di che la tensione non più è richiesto.
Gelieve het net na 6 maanden na te spannen.
Na 6 maanden is na spannen niet meer vereist; wel controleren.
Vänligen efterspänn nätet efter 6 månader!
Efter att inte mer spänning krävs.
Venligst efterspænd nettet efter 6 måneder!
Derefter er yderligere efterspænding unødvendig.
Проверьте натяжение через 6 месяцев!
При необходимости отрегулируйте натяжение.
Uudelleenkiristä verkko 6 kk kuluttua!
Tämän jälkeen verkkoa ei tarvitse enää kiristää.



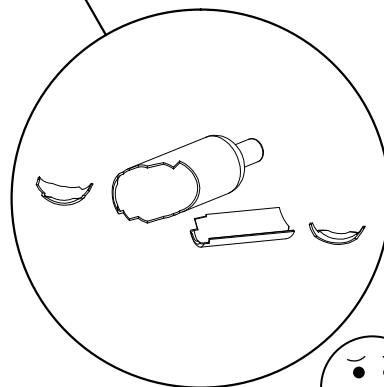
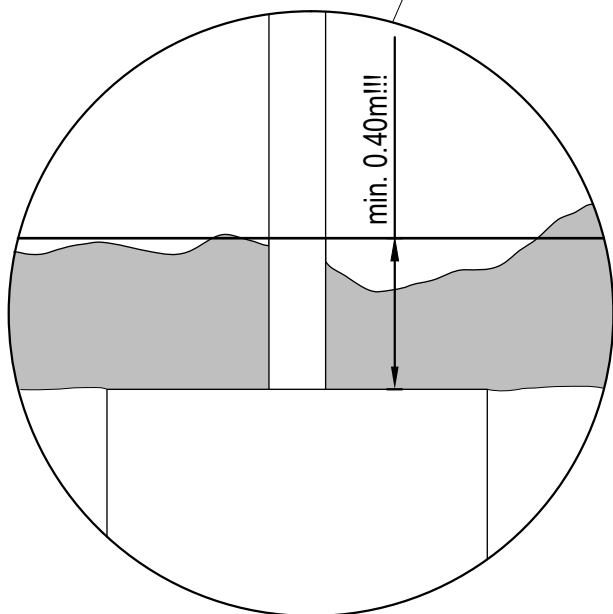
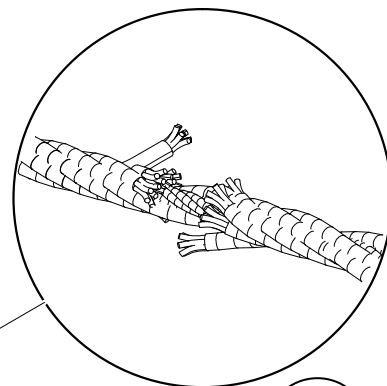
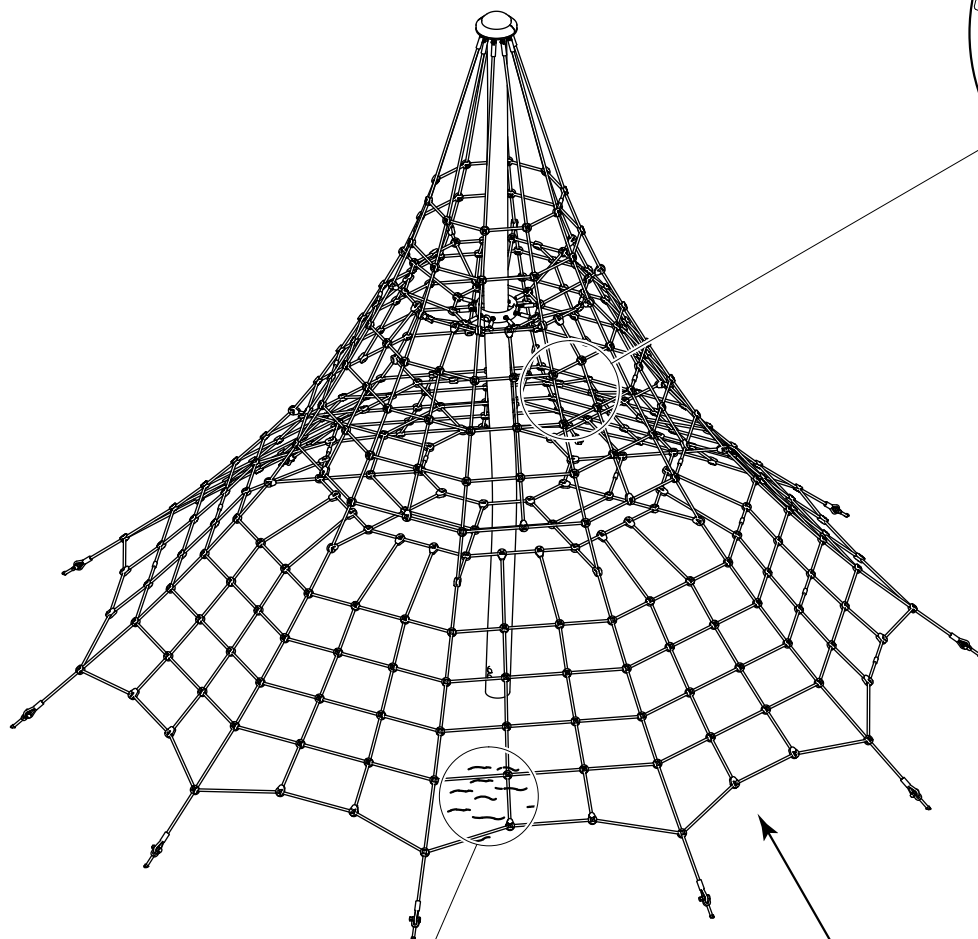


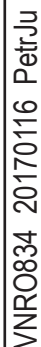
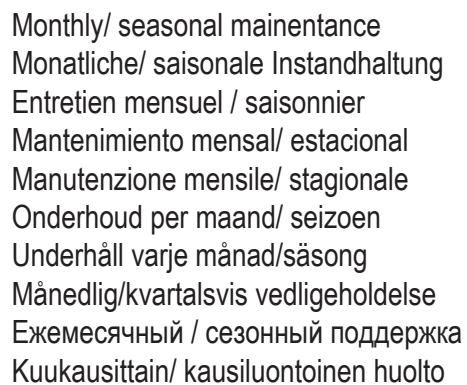
Maintenance instruction
Wartungshinweise
Conseils d'entretien
Instrucciones de mantenimiento
Istruzioni per la manutenzione
Onderhoudsinstructies
Underhållsmanual
Vedligeholdelsesmanual
Инструкция по обслуживанию
Huolto-ohje





Daily/ weekly maintenance
Tägliche/ wöchentliche Instandhaltung
Entretien quotidien / hebdomadaire
Mantenimiento diario/semanal
Manutenzione giornaliera/ settimanale
Onderhoud per dag/ week
Underhåll varje dag/vecka
Daglig/ ugentlig vedligeholdelse
Ежедневный / еженедельный осмотр
Päivittäin/ viikoittain huolto







Please tension the net after 6 months!

After that no more re-tensioning is required.

Bitte nach 6 Monaten Gebrauch das Netz spannen!

Danach ist kein Nachspannen mehr erforderlich.

Tendre le filet après 6 mois d'utilisation !

Il ne sera plus nécessaire de retendre ensuite le filet.

¡Tensa por favor la red después de 6 meses!

Después no se tiene que retensar más.

Si praga di verificare la tensione della rete dopo 6 mesi!

Dopo di che la tensione non più è richiesto.

Gelieve het net na 6 maanden na te spannen.

Na 6 maanden is na spannen niet meer vereist; wel controleren.

Vänligen efterspänn nätet efter 6 månader!

Efter att inte mer spänning krävs.

Venligst efterspænd nettet efter 6 måneder!

Derefter er yderligere efterspænding unødvendig.

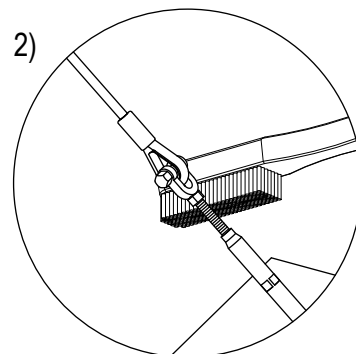
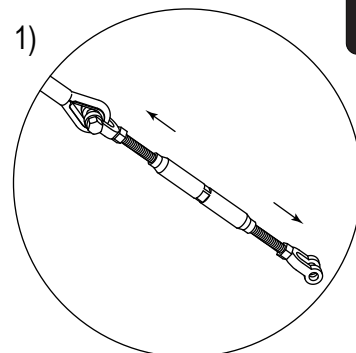
Проверьте натяжение через 6 месяцев!

При необходимости отрегулируйте натяжение.

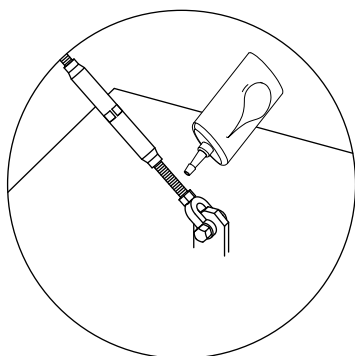
Uudelleenkiristä verkko 6 kk kuluttua!

Tämän jälkeen verkkoa

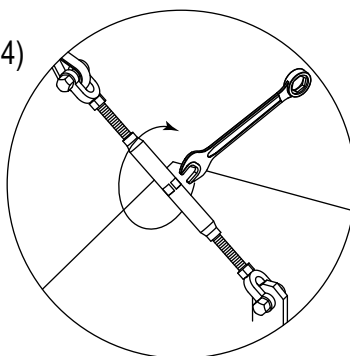
ei tarvitse enää kiristää.



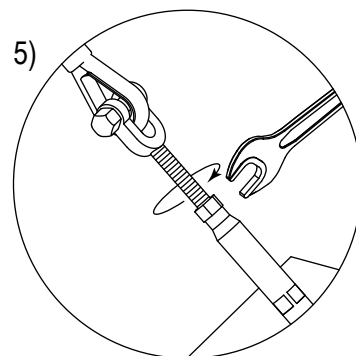
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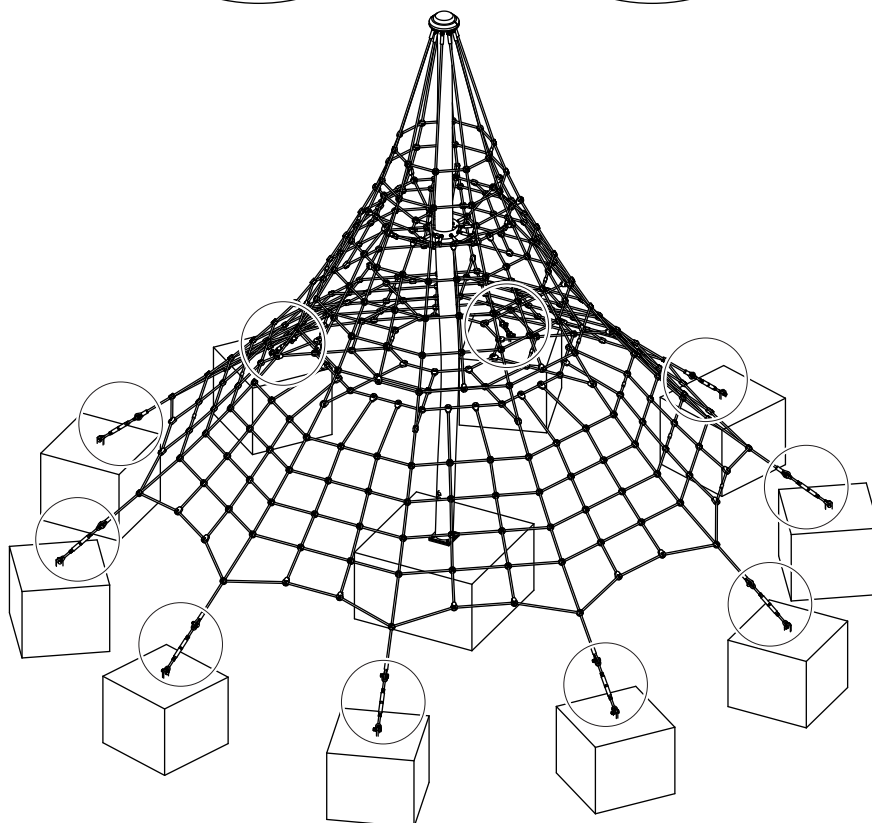
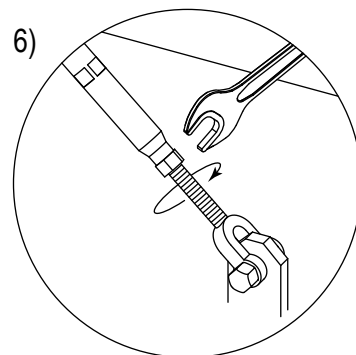
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5)

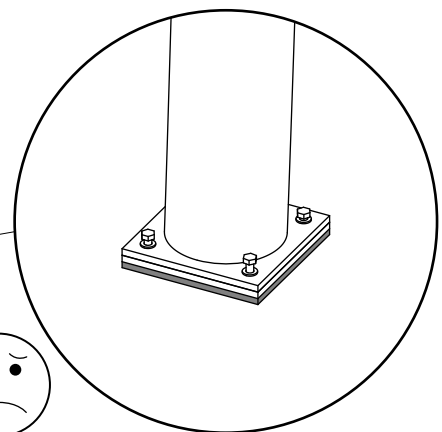
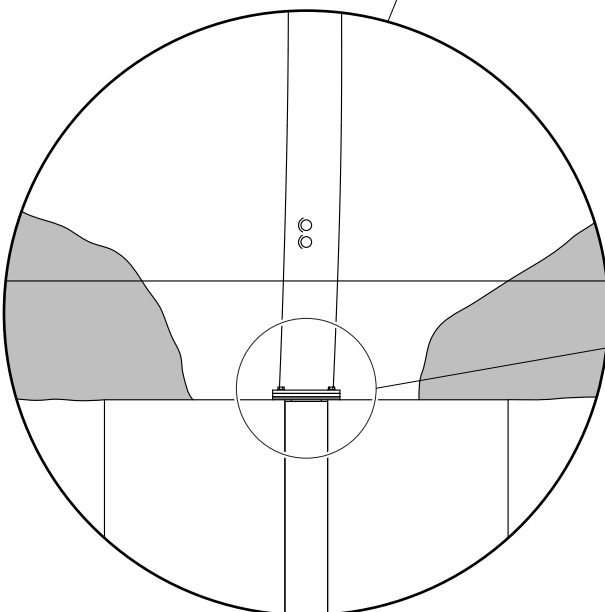
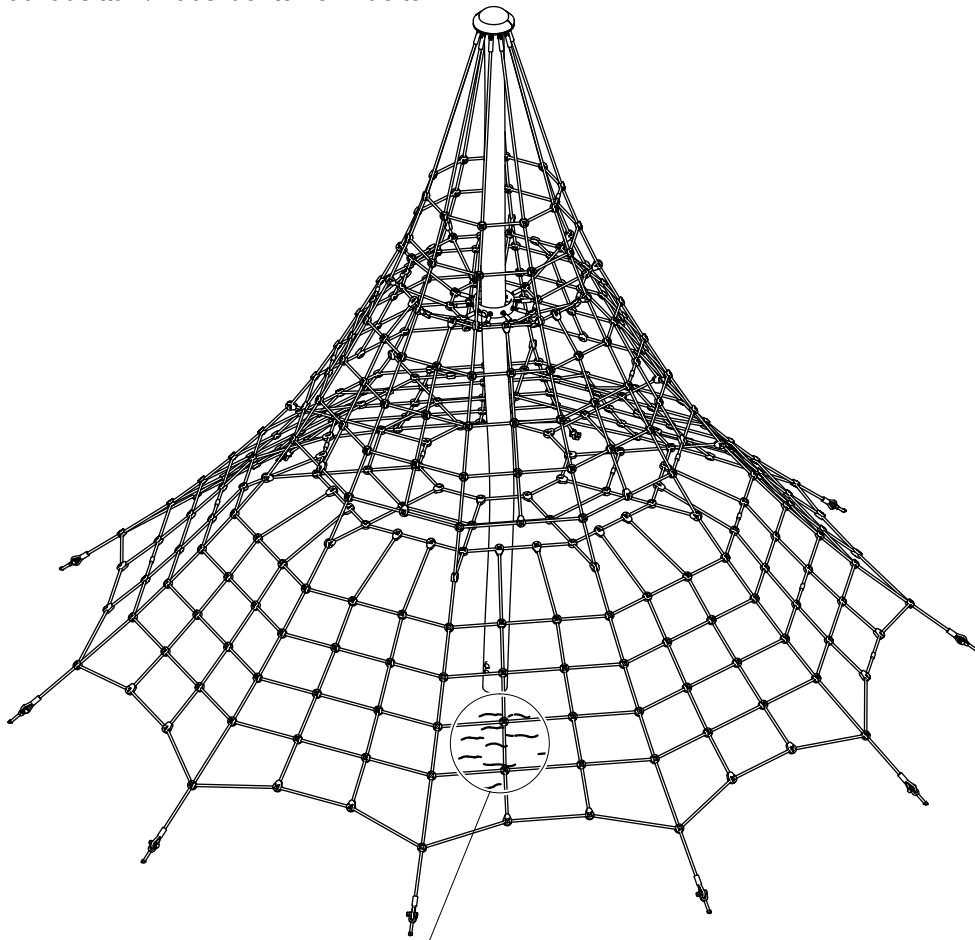


6)





Monthly/ seasonal maintenance
Monatliche/ saisonale Instandhaltung
Entretien mensuel / saisonnier
Mantenimiento mensual/ estacional
Manutenzione mensile/ stagionale
Onderhoud per maand/ seizoen
Underhåll varje månad/säsong
Månedlig/kvartalsvis vedligeholdelse
Ежемесячный / сезонный поддержка
Kuukausittain/ kausiluontoinen huolto



Stilts

NRO806-0601



Item no. NRO806-0601	
General Product Information	
Dimensions LxWxH	4'2"x8'1"x3'7"
Age group	5 - 12
Play capacity (users)	3
Item color	



The Stilts are a playground classic that appeal to children repeatedly. The Stilts have a basic play message: balance through without touching the ground. The Stilts invite jumping or balancing from one to the next. They can also be used as individual seats and cater to meeting in groups. The Stilts support children who are developing their skills, thanks to their

foot-steps and inclination: children can always lean to the side to regain balance. When balancing from stilt to stilt, children train their proprioception and sense of balance. Balance and proprioception are fundamental in confidently managing the body in space. Crossing the Stilts with friends trains turn-taking and negotiation. These are important

social-emotional skills that are basic to the ability to form friendships and relate to peers.



Stilts

NRO806-0601



Stilts

Physical: balancing that supports the vestibular system as well as cross coordination. **Social-Emotional:** cooperation and turn-taking.



Stilts

NRO806-0601



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



The Robinia wood can be supplied as untreated raw wood or painted with a brown colored transparent pigment that maintains the golden wood color of the wood.

Item no. NRO806-0601	
Installation Information	
Max. fall height	3'7"
Safety surfacing area	286ft²
Total installation time	3.4
Excavation volume	0.61yd³
Concrete volume	0.21yd³
Footing depth (standard)	2'1"
Shipment weight	518lbs
Anchoring options	In-ground ✓
Warranty Information	
Robinia Wood	10 Years
Spare Parts Availability	10 Years

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	1	1
Required	0	1	1



Sustainability Data

NRO806-0601



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRO806-0601	19.52	0.10	0.02

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

KOMPAN
Let's play

Kompan A/S

C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

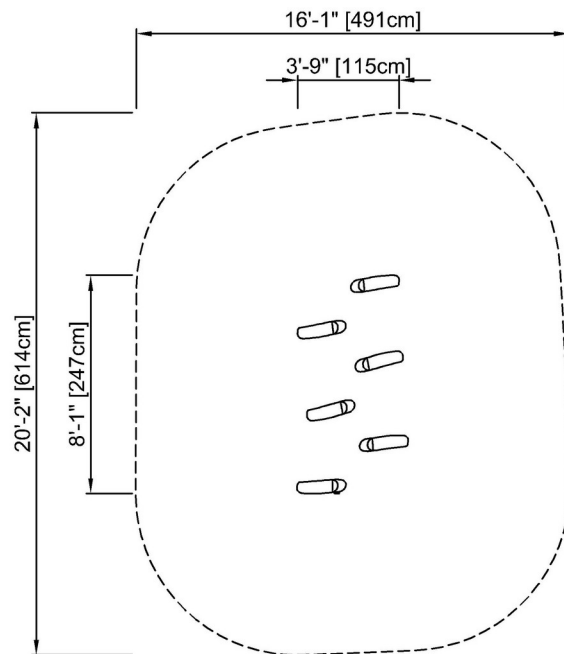
Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

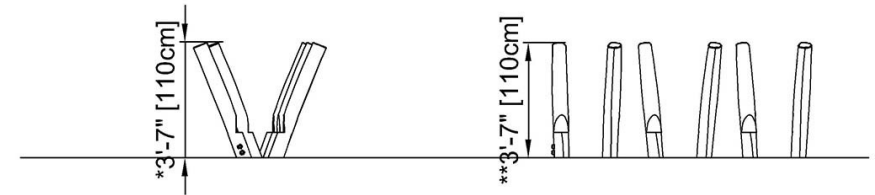


* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



NRO806
* 3'-7" / 110cm
** 3'-7" / 110cm
*** 286.3ft² / 26.6m²



NRO806

[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)



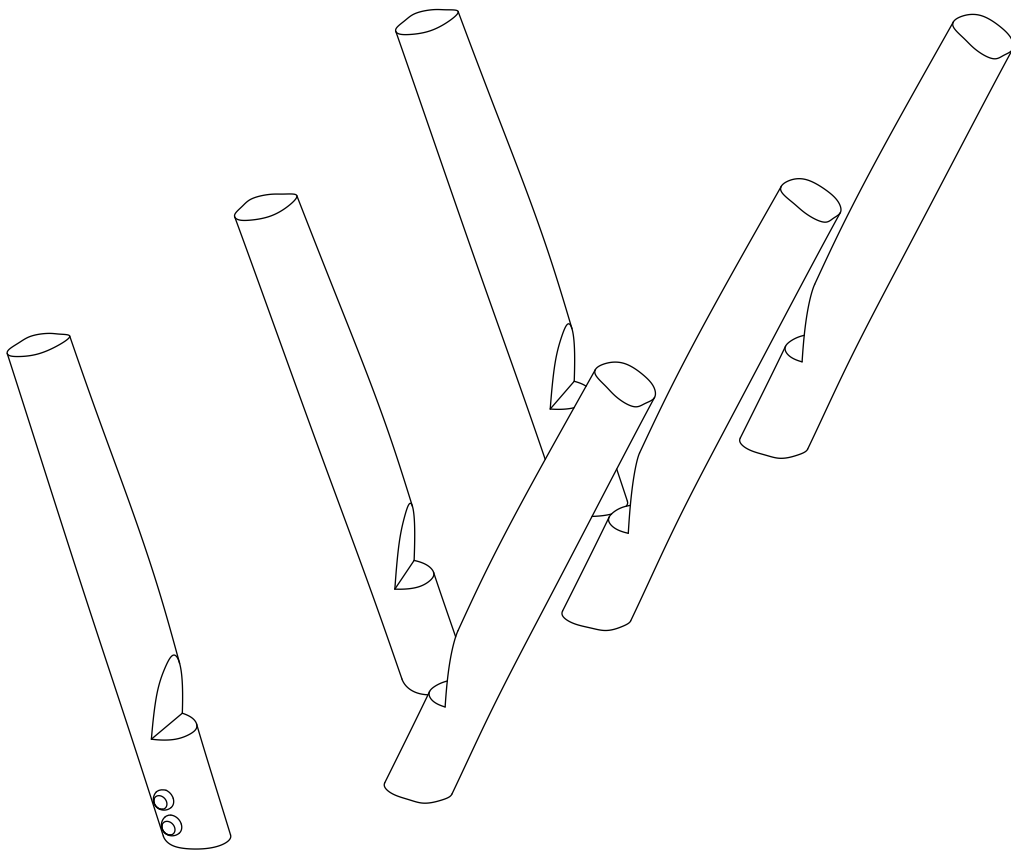
NRO806-0601/FSC

NRO806-0611/FSC

NRO806-1002/FSC

NRO806-1012/FSC

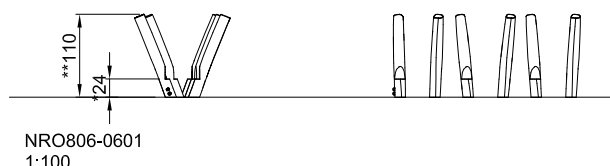
ART863-0601



NRO806XXXX 20130531 PetrJu

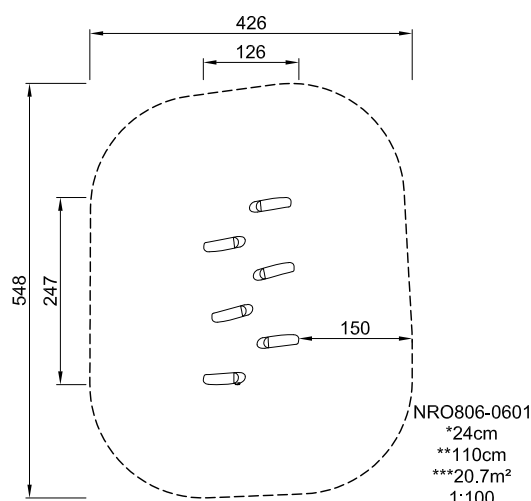


Safety zone in accordance with EN 1176/AS4685
Sicherheitsabstand gemäß EN 1176/AS4685
Espace d'évolution selon EN 1176/AS4685
Zona de seguridad según EN 1176/AS4685
Área de segurança de acordo com a EN1176/AS4685
Distanze di sicurezza in conformità con lo standard EN 1176/AS4685
Veiligheidsgebied in overeenstemming met EN 1176/AS4685
Säkerhetsområde enl EN 1176/AS4685
Sikkerhedsareal iht. EN 1176/AS4685
Зона безопасности в соответствии с EN 1176/AS4685
EN1176/AS4685-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altura de queda livre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Todas as medidas estão em cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mått är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeessa mainitut mitat ovat senttimetrejä.



Please note: The safety zone shown on this drawing is in accordance with EN 1176. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à EN 1176. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con EN 1176. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Nota: A área de segurança ilustrada neste desenho está de acordo com a EN1176. Podem existir alguns territórios onde seja exigida uma área de segurança maior. Na dúvida, por favor contacte o seu consultor local da KOMPAN.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer EN 1176. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

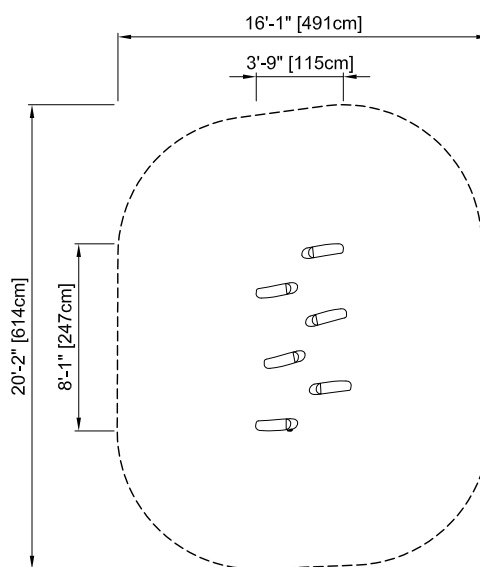
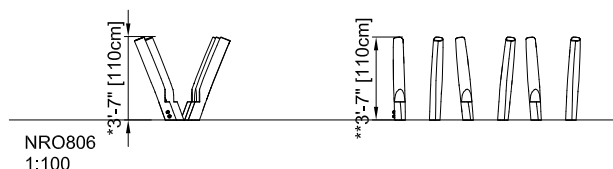
Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с EN 1176. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on EN1176-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-alueetta. Jos olet epävarma, otathan yhteyttä KOMPANIin.



Safety zone in accordance with ASTM 1487/CSA Z614
Sicherheitsabstand gemäß ASTM 1487/CSA Z614
Espace d'évolution selon ASTM 1487/CSA Z614
Zona de seguridad según ASTM 1487/CSA Z614
Distanze di sicurezza in conformità con lo standard ASTM 1487/CSA Z614
Veiligheidsgebied in overeenstemming met ASTM 1487/CSA Z614
Säkerhetsområde enl ASTM 1487/CSA Z614
Sikkerhedsareal iht. ASTM 1487/CSA Z614
Зона безопасности в соответствии с ASTM 1487/CSA Z614
ASTM 1487/CSA Z614-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

NRO806-0601
* 3'-7" / 110cm
** 3'-7" / 110cm
*** 286.3ft² / 26.6m²
1:100

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487/CSA Z614. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487/CSA Z614. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487/CSA Z614. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487/CSA Z614. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

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Obs: Det markerade säkerhetsområdet följer ASTM 1487/CSA Z614. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

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Внимание: Зона безопасности указана в соответствии с ASTM 1487/CSA Z614. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487/CSA Z614-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANIin.

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Important! The concrete must be sufficiently hardened before the play item may be used.

Total volume of concrete: Min 0,156 m³

Wichtig! Vor der Inbetriebnahme des Spielerräts muß der Beton ausreichend abgebunden haben.

Betonverbrauch insgesamt: mind. 0,156 m³

Important! Le béton doit avoir suffisamment durci avant de mettre en service l'équipement de jeux.

Consommation totale de béton: au minimum 0,156 m³

Importante! El hormigón debe estar suficientemente endurecido antes de comenzar a utilizar el equipo de juego. Consumo total de hormigón: Min. 0,156 m³

Importante! Prima de utilizzare le attrezzature da gioco, il cemento deve essere sufficientemente solidificato. Volume totale di cemento: min. 0,156 m³

Belangrijk! Het beton moet voldoende gehard zijn voordat het speeltoestel in gebruik wordt genomen.

Totale benodigde hoeveelheid beton: min. 0,156 m³

Viktigt! Betongen måste ha hårdat tillräckligt innan lekredskapet börjar användas.

Total betongåtgång: min. 0,156 m³

Viktigt! Betonen skal være tilstrækkeligt hærdet, før legeredskabet tages i brug.

Totalt betonforbrug: Min. 0,156 m³

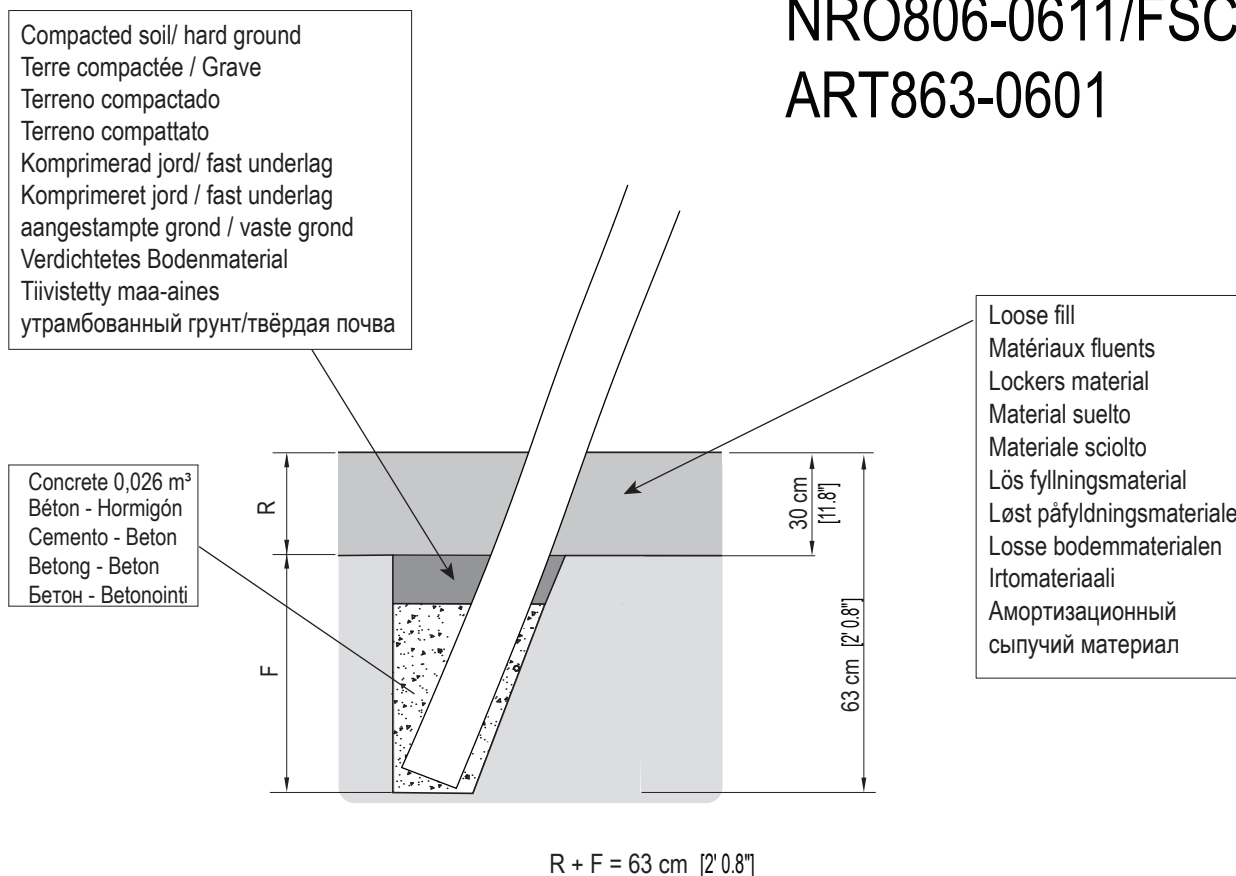
Важно! Перед использованием сооружений убедитесь, что бетон затвердел.

Сумарный объем бетона: мин. 156 л.

HUOM! Betonivalun on oltava tarpeeksi kuiva, ennen kuin leikkivälinettä saa käyttää.

Betonoinnin minimikokonaismäärä: 0,156 m³

NRO806-0601/FSC
NRO806-0611/FSC
ART863-0601





Important! The concrete must be sufficiently hardened before the play item may be used.

Total volume of concrete: Min 0,156 m³

Wichtig! Vor der Inbetriebnahme des Spielröhrs muß der Beton ausreichend abgebunden haben.

Betonverbrauch insgesamt: mind. 0,156 m³

Important! Le béton doit avoir suffisamment durci avant de mettre en service l'équipement de jeux.

Consommation totale de béton: au minimum 0,156 m³

Importante! El hormigón debe estar suficientemente endurecido antes de comenzar a utilizar el equipo de juego. Consumo total de hormigón: Min. 0,156 m³

Importante! Prima de utilizzare le attrezzature da gioco, il cemento deve essere sufficientemente solidificato. Volume totale di cemento: min. 0,156 m³

Belangrijk! Het beton moet voldoende gehard zijn voordat het speeltoestel in gebruik wordt genomen.

Totale benodigde hoeveelheid beton: min. 0,156 m³

Viktigt! Betongen måste ha härdat tillräckligt innan lekredskapet börjar användas.

Total betongåtgång: min. 0,156 m³

Viktigt! Betonen skal være tilstrækkeligt hærdet, før legeredskabet tages i brug.

Totalt betonforbrug: Min. 0,156 m³

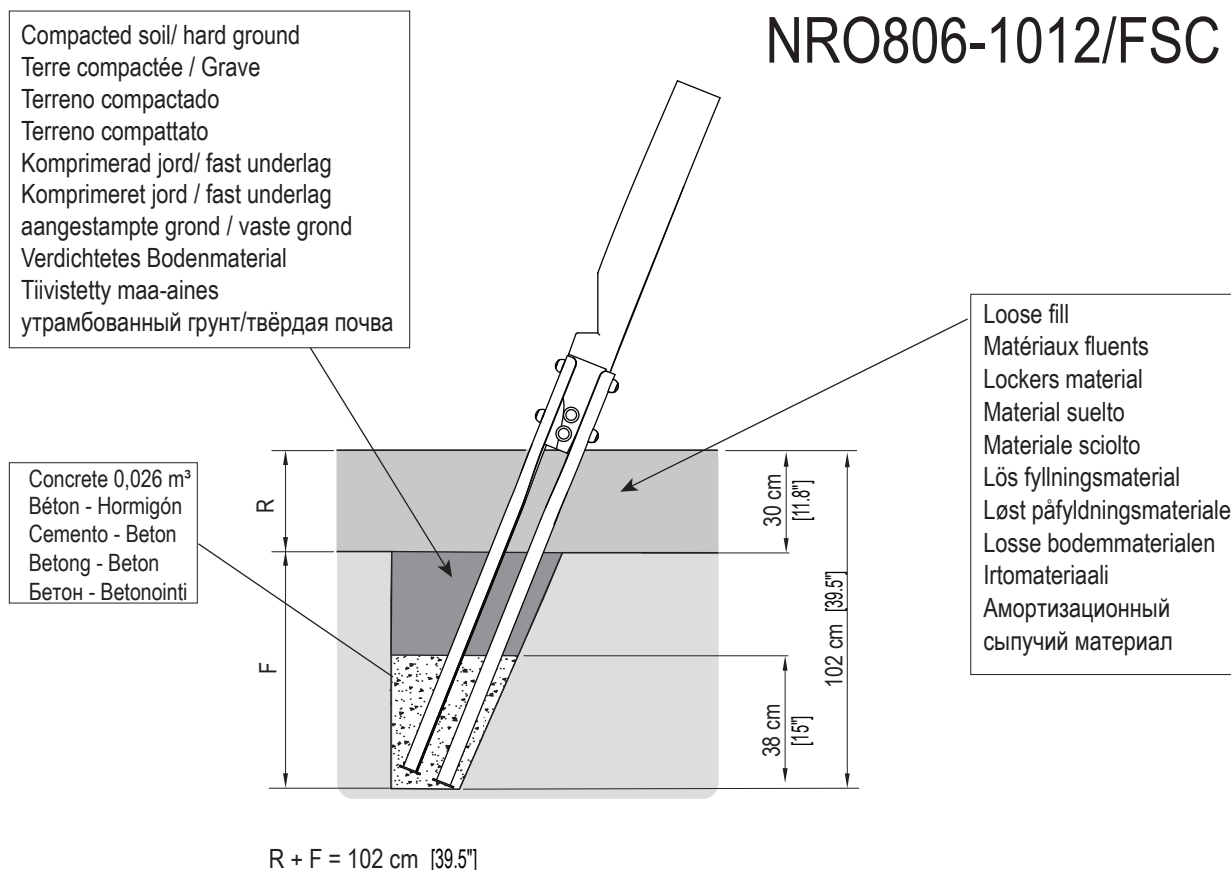
Важно! Перед использованием сооружений убедитесь, что бетон затвердел.

Сумарный объем бетона: мин. 156 л.

HUOM! Betonivalun on oltava tarpeeksi kuiva, ennen kuin leikkivälinettä saa käyttää.

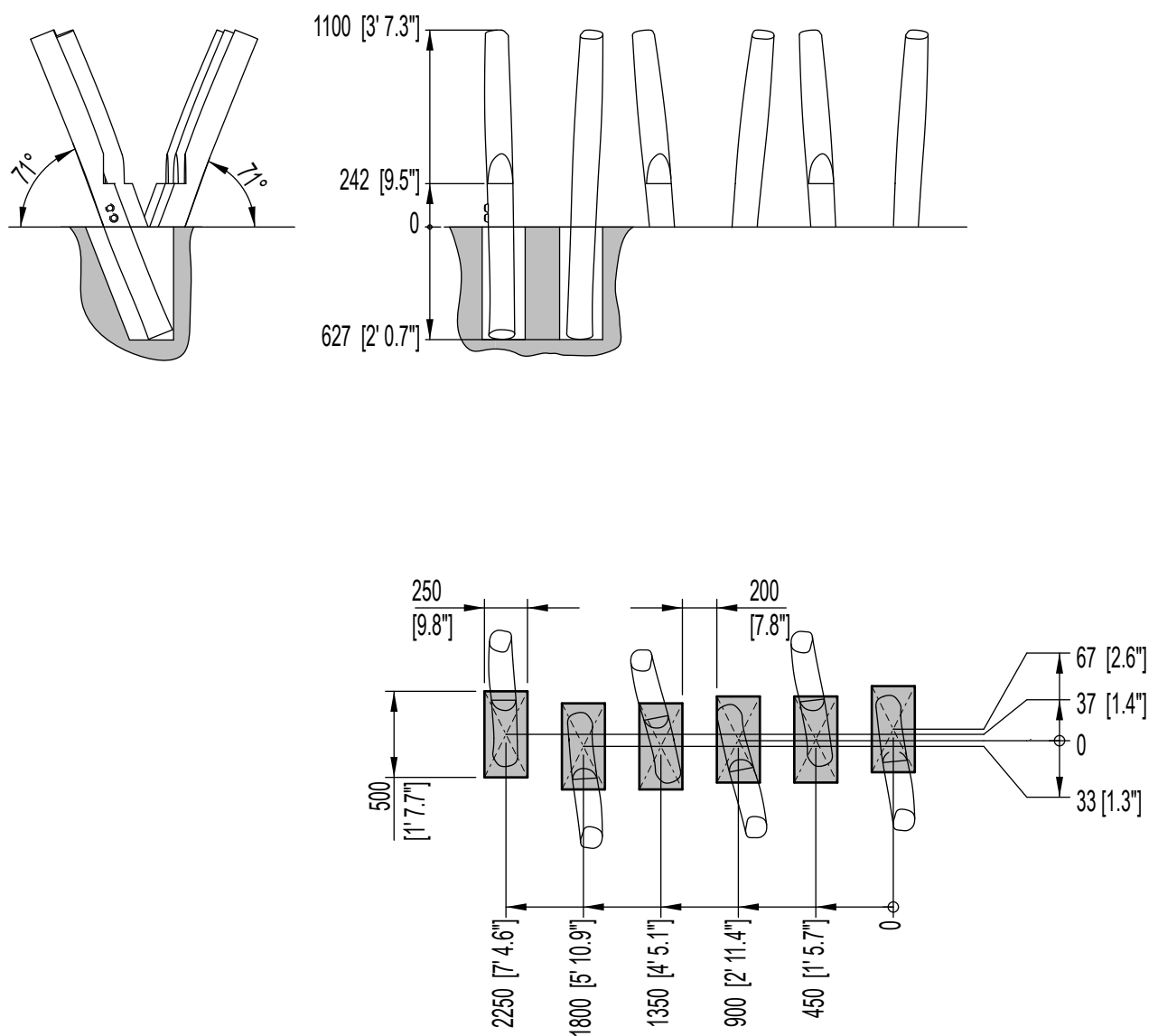
Betonoinnin minimikokonaismäärä; 0,156 m³

NRO806-1002/FSC
NRO806-1012/FSC



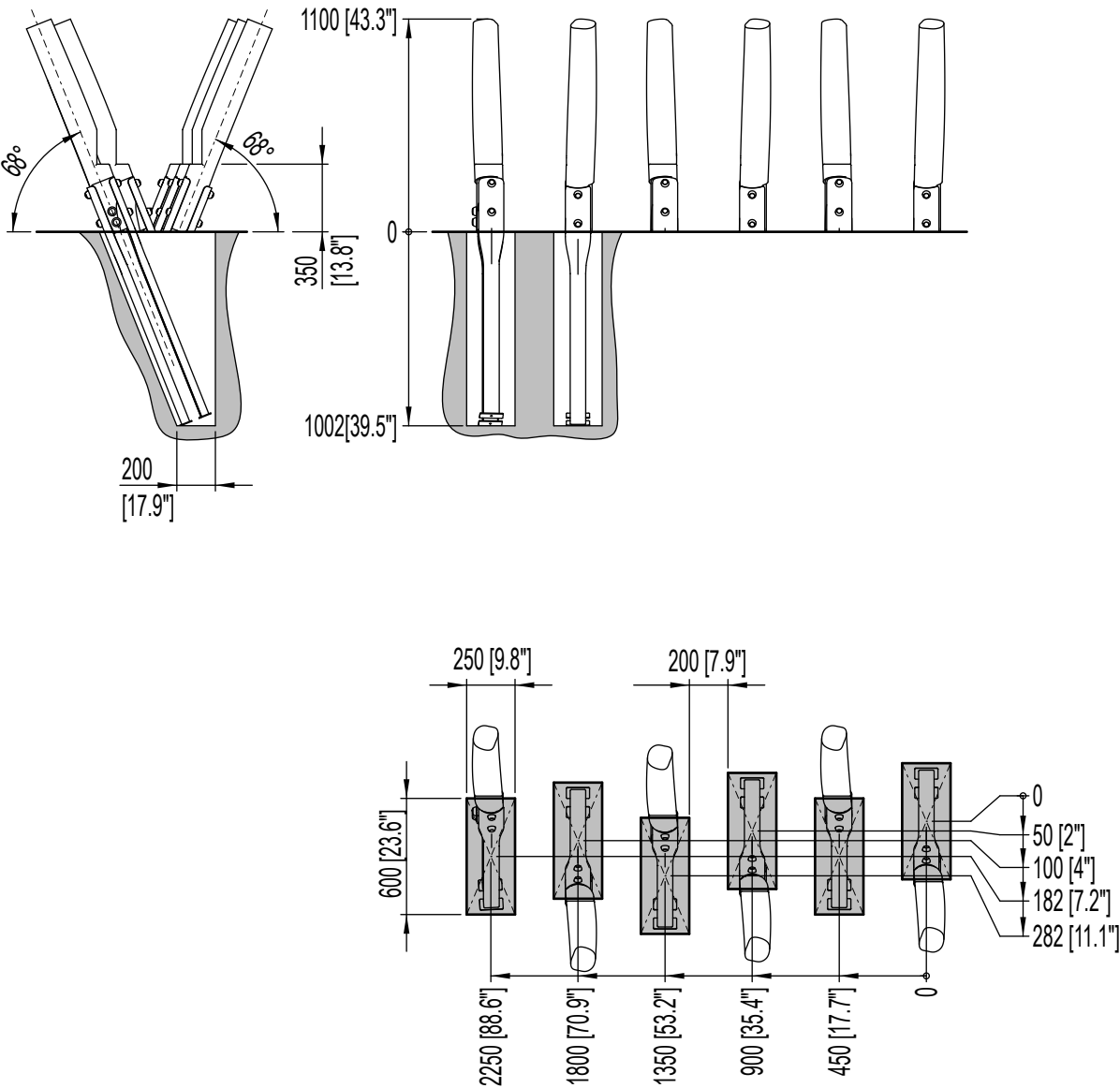


NRO806-0601/FSC
NRO806-0611/FSC
ART863-0601



NRO806-1002/FSC

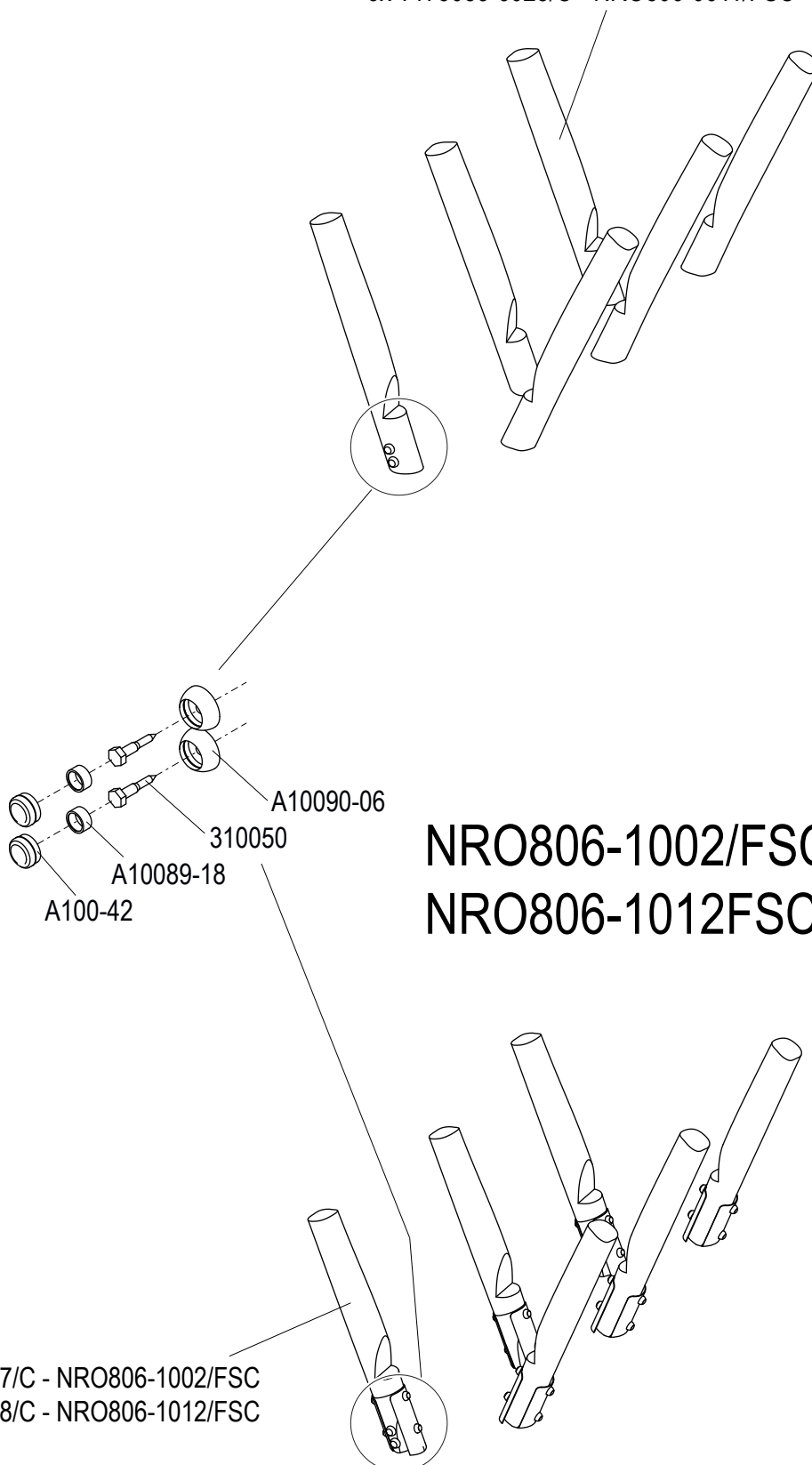
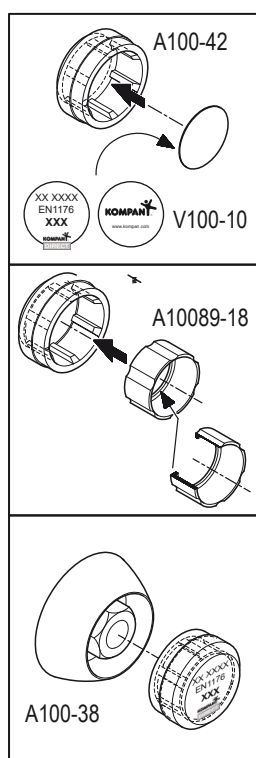
NRO806-1012/FSC



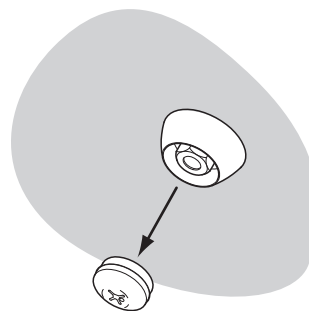
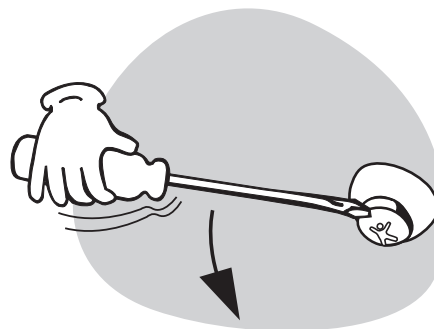
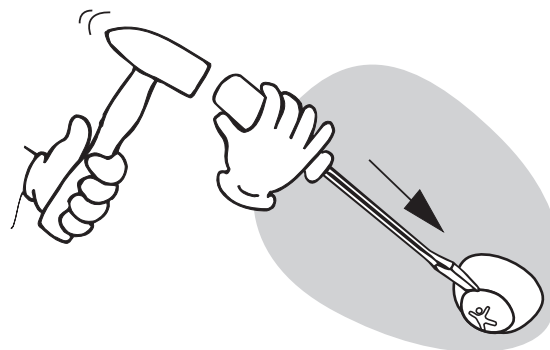
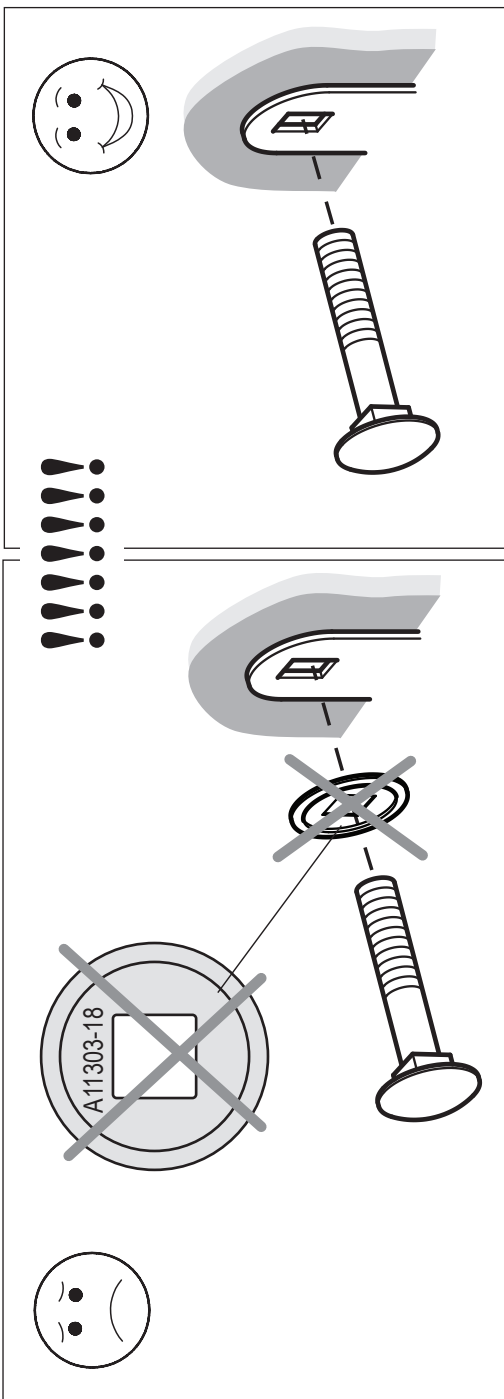


NRO806-0601/FSC NRO806-0611/FSC ART863-0601

6x T173083-6027 - NRO806-0601/ART863-0601
6x T173083-6027C - NRO806-0601FSC
6x T173083-6028/C - NRO806-0611/FSC



6x T173238-00527/C - NRO806-1002/FSC
6x T173238-00528/C - NRO806-1012/FSC

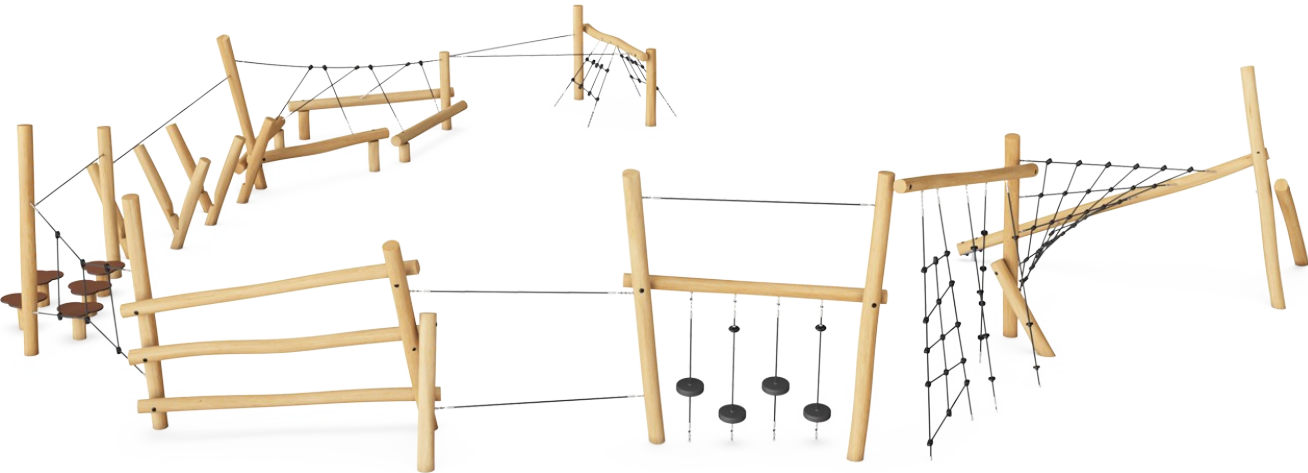


Do-Nut vejledning
 Do-Nut - Anleitung
 Do-Nut instructions
 Instrucciones del Do-Nut
 Instructions Do-Nut
 Istruzioni per Do-Nut
 Do-Nut handleiding
 Do-Nut anvisningar
 Do-Nut asennusohjeet
 Do-Nut инструкция

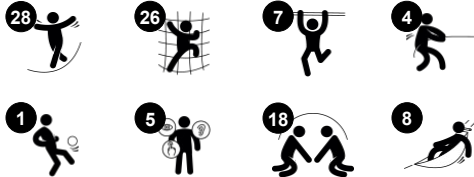
KOMPAN
 Playful Living

Parkour 5

NRO857



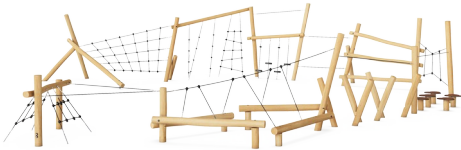
Item no. NRO857-1003	
General Product Information	
Dimensions LxWxH	43'3"x40'5"x8'11"
Age group	5 - 12
Play capacity (users)	33
Color options	 



WOW! The Parkour 5 has wild appeal for 6-12 year-olds. It's a fitness course that's fun and also challenging. The variation in climbing, crawling, balancing and meeting activities will make children come back again and again. The many inclined, twisted and vertical nets and the different mesh sizes offer great play challenges. Climbing or crawling up, down and

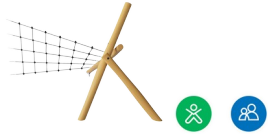
through the Parkour 5 stimulates agility, balance and coordination. These motor skills are necessary to managing the world securely and achieving physical confidence. The lovely swaying seat points and the horizontal beams are great for meeting and socializing. The many ropes and their bouncy character make them a constant balance and muscle trainer,

even when seated. When climbing through the Parkour 5, children train their cooperation, negotiation and turn-taking skills. These skills can be hard to teach, but easily learned in play.



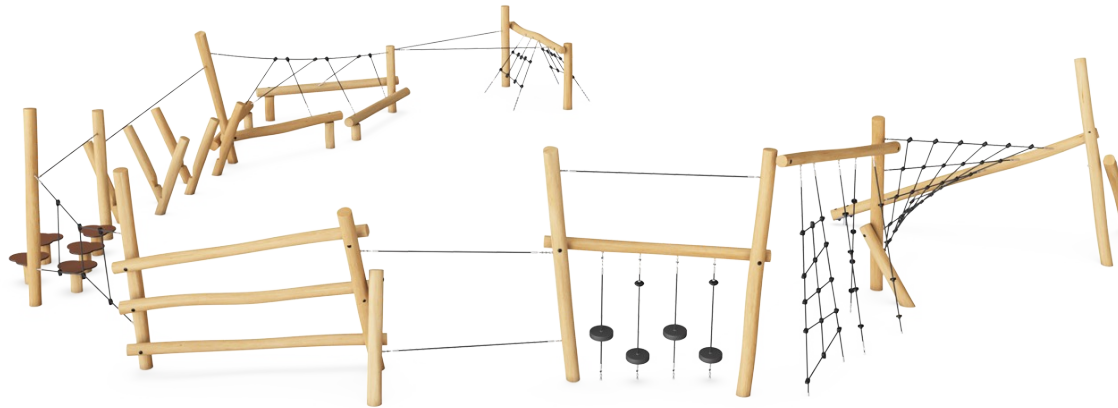
Parkour 5

NRO857



Twisted climbing net

Physical: supports cross coordination as well as sense of balance and space. Core, leg and arm muscles are trained, too. These physical skills add to self awareness and help when judging your body in time and space, a crucial skill. **Social-Emotional:** the twisted shape creates varied seating possibilities and interaction from one side to the other. This develops empathy and cooperation.



Top beam

Physical: climbing over the top beam demands good spatial awareness and involves risk taking. **Social-Emotional:** great destination for a break with friends.



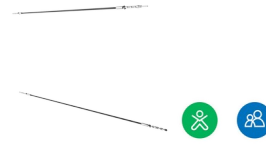
Climbing rope

Physical: the small knots add support for hands and feet when climbing onto the rope, crawling up or down. Climbing supports spatial awareness, cross coordination and muscle strength. **Social-Emotional:** passing others when climbing up or down develops turn-taking skills and consideration.



Parkour ropes

Physical: the big rubbery discs are great support for the feet when climbing or crossing. This trains cross coordination, balance and arm and leg muscles. This combination adds to the child's body adeptness and awareness, adding security to movements. **Social-Emotional:** the seats make a nice destination and meeting point and take cooperation when crossing by others on the way through the module.



Balance ropes

Physical: holding onto the swaying upper rope when balancing on the swaying lower rope makes excellent training of the sense of balance as well as the trunk muscles. These abilities are fundamental for being able to sit still on a chair. **Social-Emotional:** there is room for more than one and cooperating with friends on walking over the swaying ropes is a true cooperative task that takes teamwork and tolerance.



Balance pods

Physical: sense of balance is trained, and bone density built when jumping between and off the pods. **Social-Emotional:** turn-taking and cooperation as well as room for a seated rest with friends.



Stilts

Physical: balancing that supports the vestibular system as well as cross coordination. **Social-Emotional:** cooperation and turn-taking.

Parkour 5

NRO857



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



Nets and ropes are made of UV-stabilized PA with inner steel cable reinforcement. The rope is induction treated in order to create a strong connection between steel and rope which leads to good wear resistance.



Full colored EPDM rubber seats with smooth surface. The seats are molded on a hot dip galvanized steel inlay that ensures durable fixation to the rope.



Balance post of 3/4" EcoCore™. EcoCore™ is a highly durable, ecofriendly material, which is not only recyclable after use, but also consists of a core produced from +95% recycled post-consumer material from e.g., food packing waste in both core and colorful outer layer.



The Robinia wood can be supplied as untreated raw wood or painted with a brown colored transparent pigment that maintains the golden wood color of the wood.

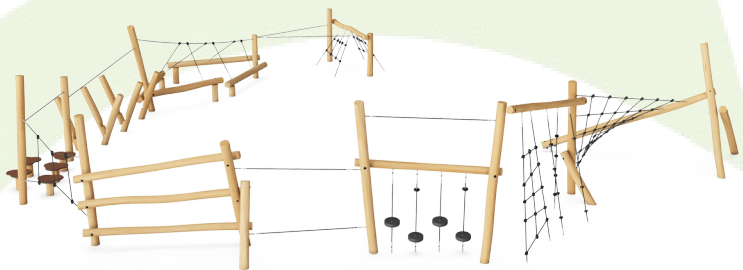
Item no. NRO857-1003	
Installation Information	
Max. fall height	6'4"
Safety surfacing area	1743ft²
Total installation time	28.7 hours
Excavation volume	8.7yd³
Concrete volume	1.4yd³
Footing depth (standard)	3'3"
Shipment weight	3615lbs
Anchoring options	In-ground ✓
Warranty Information	
Robinia Wood	10 Years
Stainless steel components	Lifetime
EPDM components	2 Years
Ropes & nets	10 Years
Spare Parts Availability	10 Years

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	10	2
Required	0	5	2



Sustainability Data

NRO857



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRO857-1003	1,041.24	0.73	4.05

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S
C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025
Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

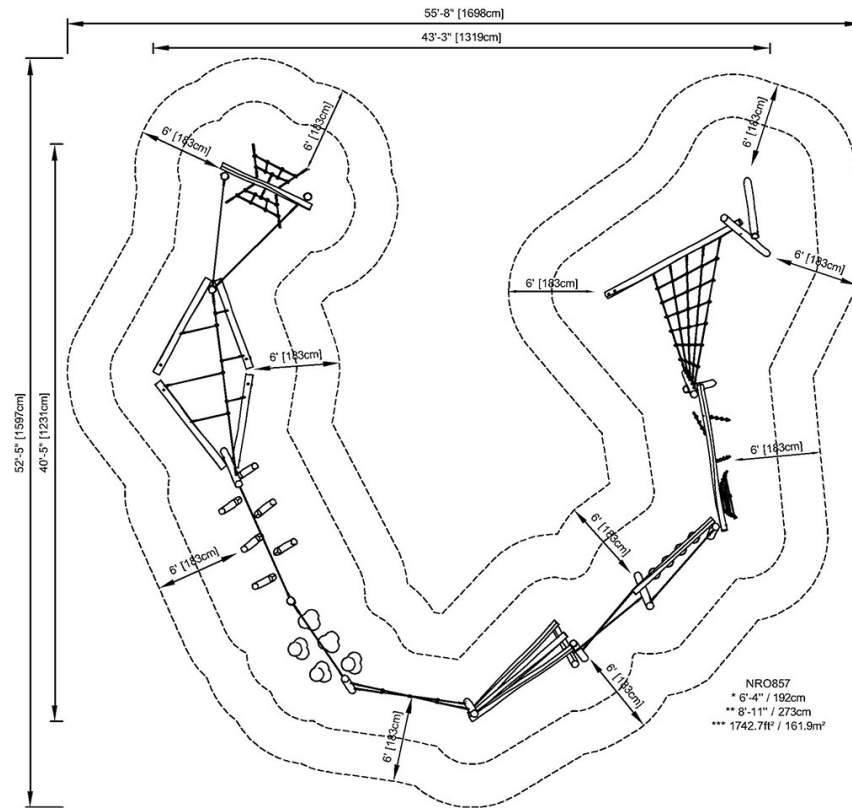
Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000



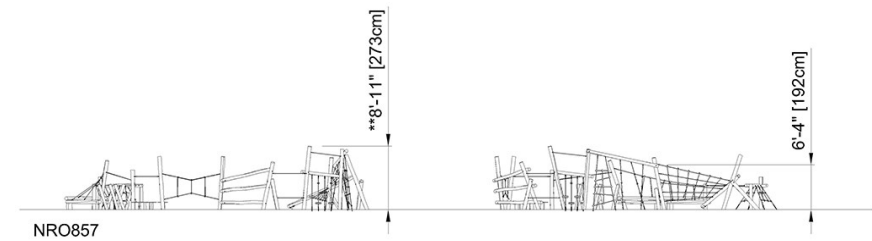
NRO857

* Max fall height | ** Total height | *** Safety surfacing area



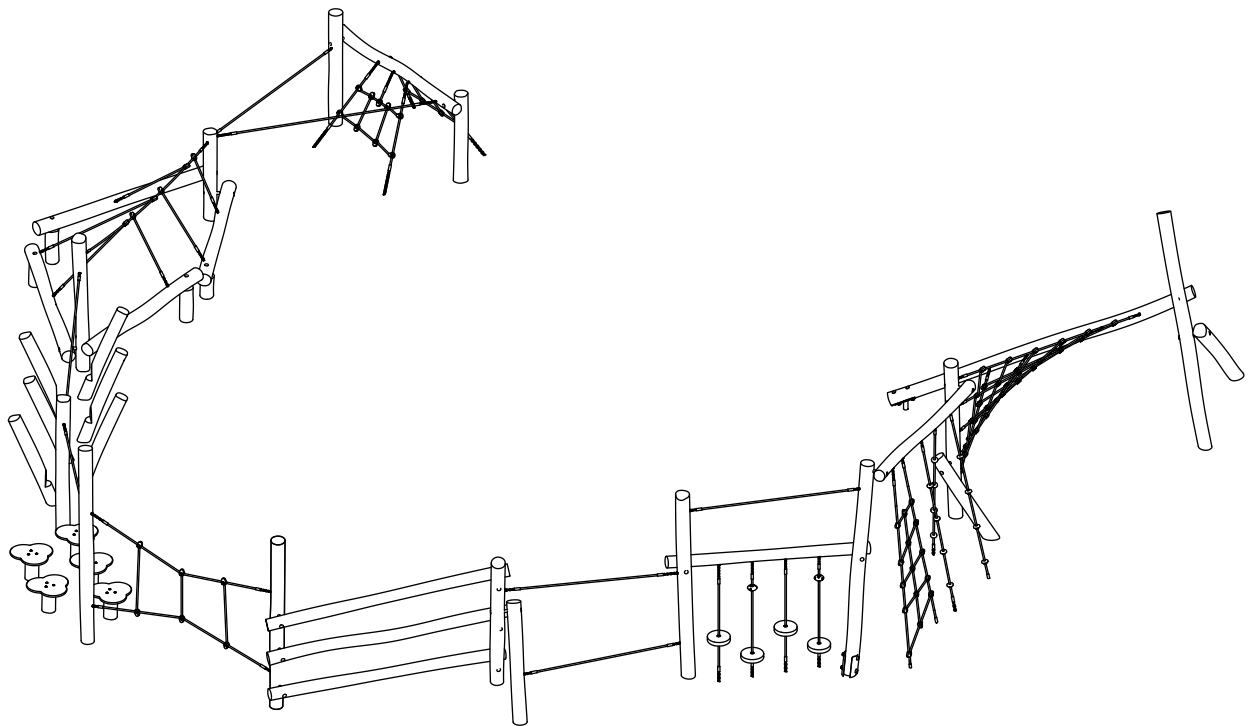
[Click to see TOP VIEW](#)

* Max fall height | ** Total height



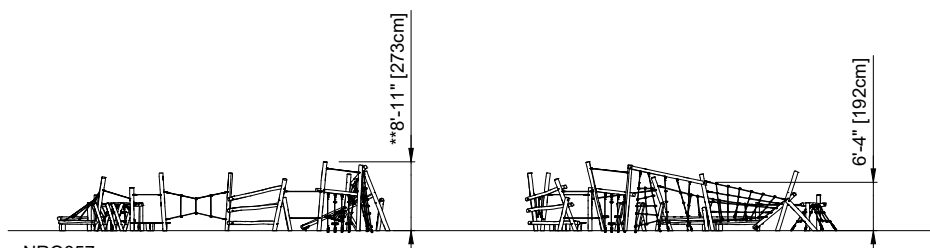
[Click to see SIDE VIEW](#)

KOMPAN[®]
NRO857-1003/FSC
NRO857-1013





Safety zone in accordance with ASTM 1487/CSA Z614
Sicherheitsabstand gemäß ASTM 1487/CSA Z614
Espace d'évolution selon ASTM 1487/CSA Z614
Zona de seguridad según ASTM 1487/CSA Z614
Distanze di sicurezza in conformità con lo standard ASTM 1487/CSA Z614
Veiligheidsgebied in overeenstemming met ASTM 1487/CSA Z614
Säkerhetsområde enl ASTM 1487/CSA Z614
Sikkerhedsareal iht. ASTM 1487/CSA Z614
Зона безопасности в соответствии с ASTM 1487/CSA Z614
ASTM 1487/CSA Z614-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Varaa putoamiskorkeus

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487/CSA Z614. There may be some locations where a larger safety zone is required. If in doubt, please contact your consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487/CSA Z614. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487/CSA Z614. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487/CSA Z614. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Nota: A área de segurança ilustrada neste desenho está de acordo com a ASTM 1487/CSA Z614. Podem existir alguns territórios onde seja exigida uma área de segurança maior. Na dúvida, por favor contacte o seu consultor local da KOMPAN.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti ASTM 1487/CSA Z614. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487/CSA Z614. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

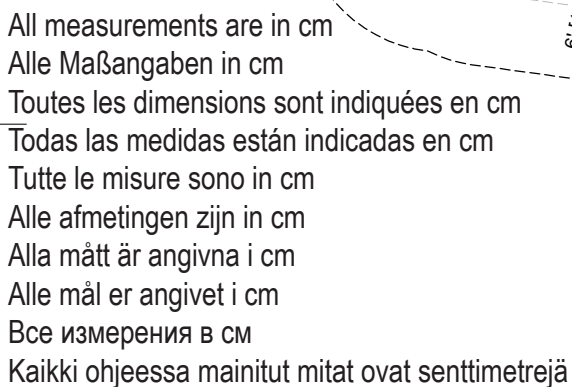
Obs: Det markerade säkerhetsområdet följer ASTM 1487/CSA Z614. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487/CSA Z614. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с ASTM 1487/CSA Z614. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487/CSA Z614-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-alueita. Jos olet epävarma, otathan yhteyttä KOMPANiin.

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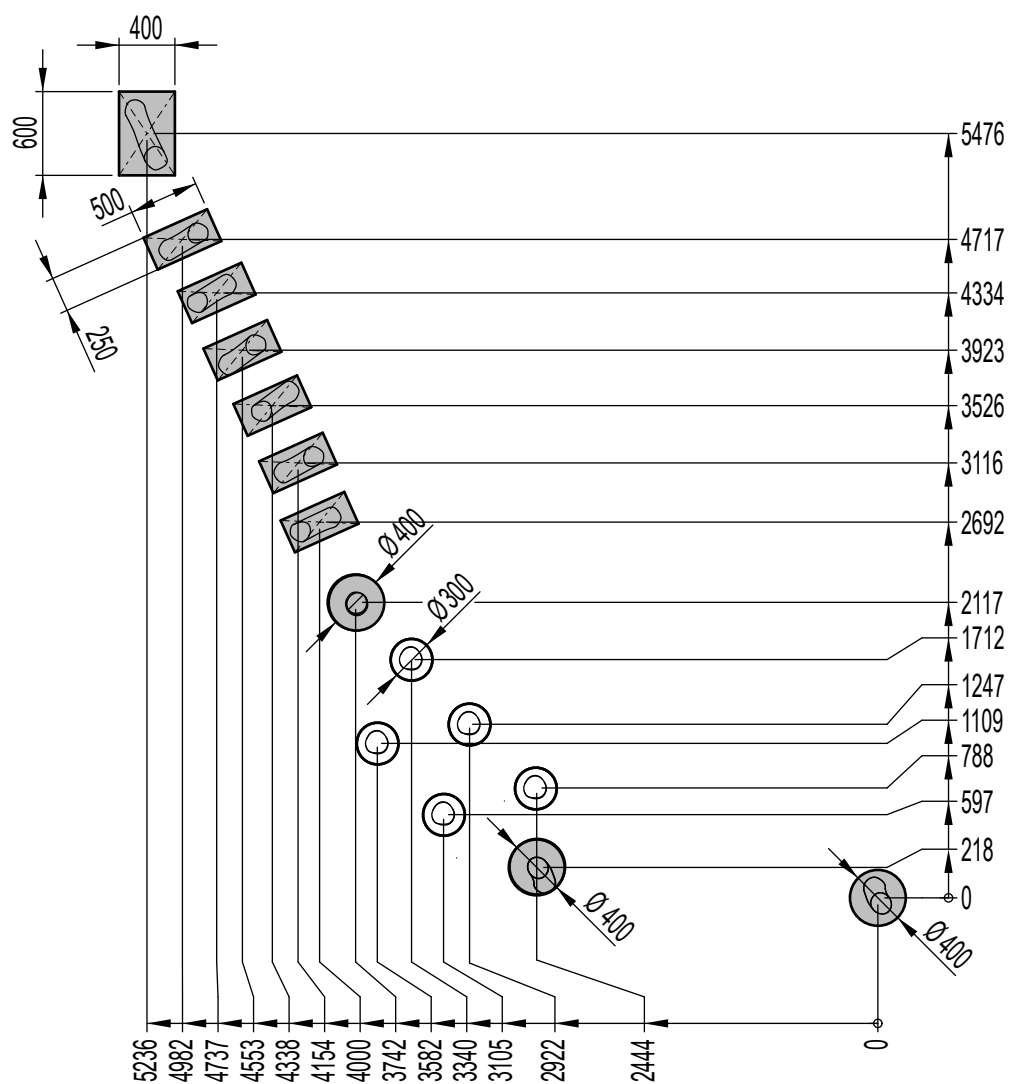
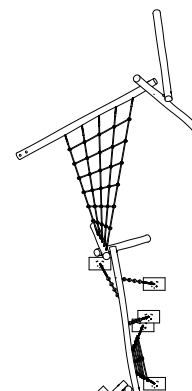
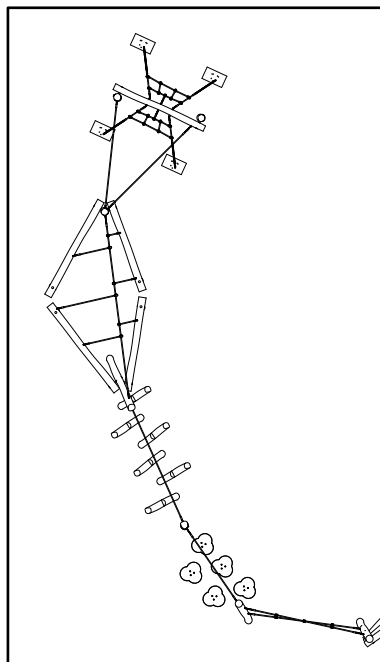
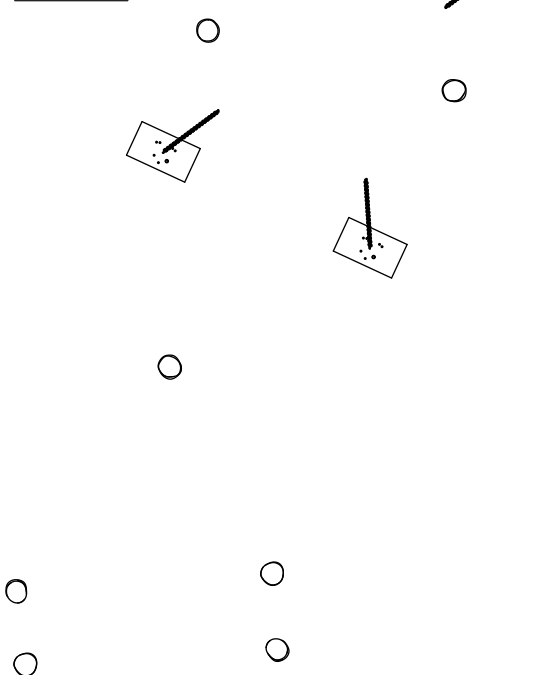
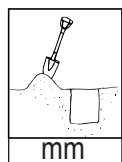


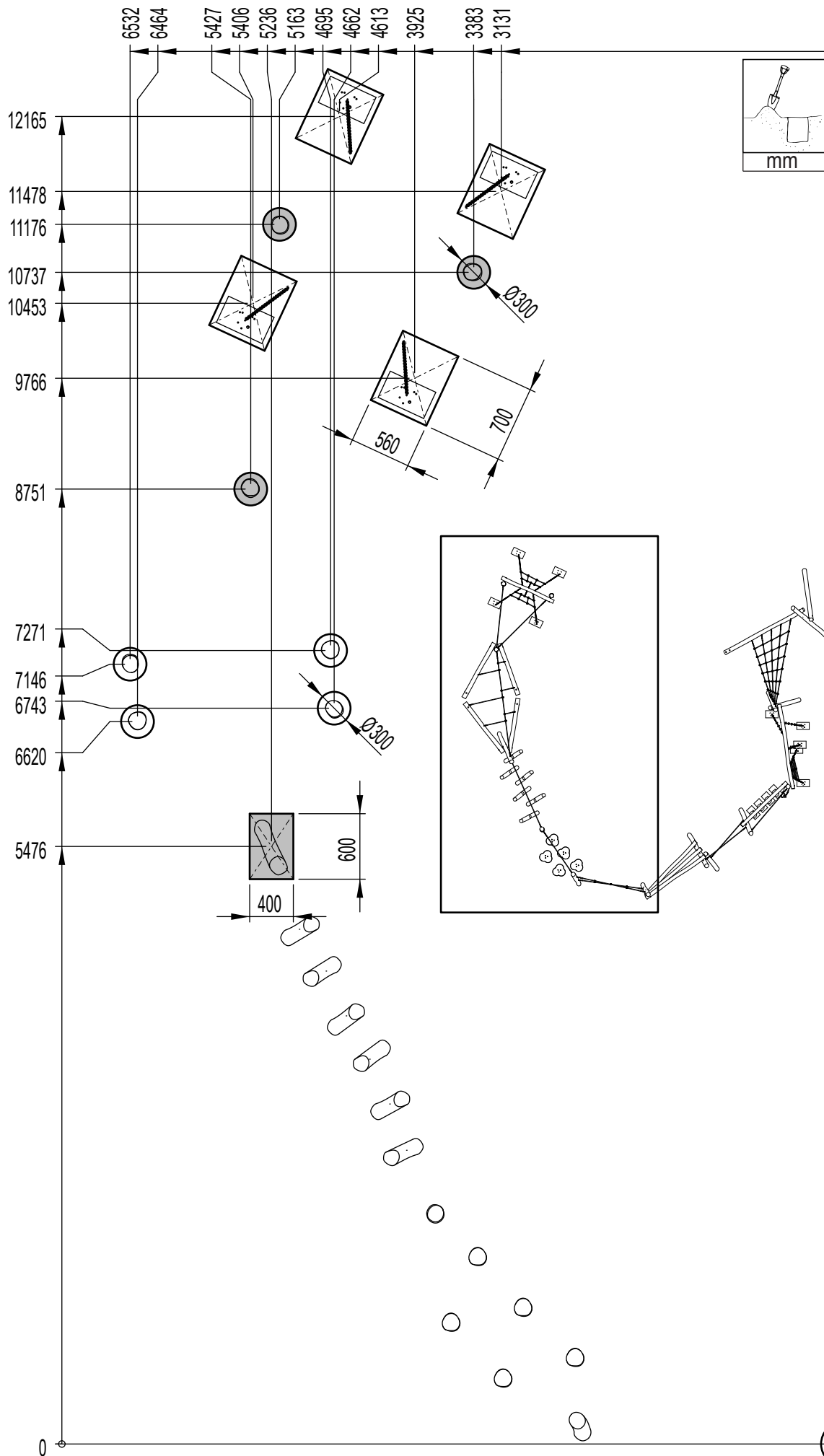
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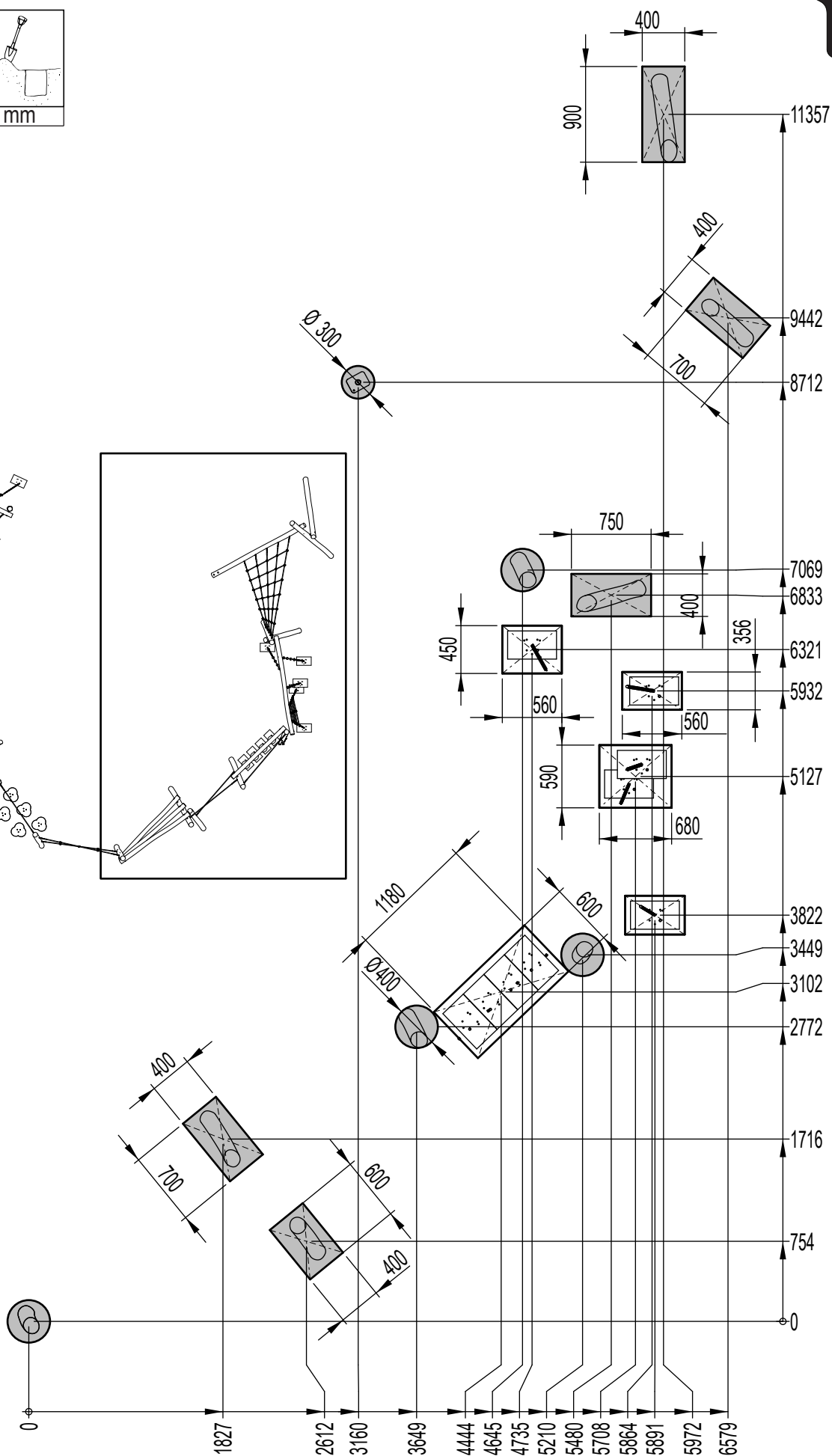
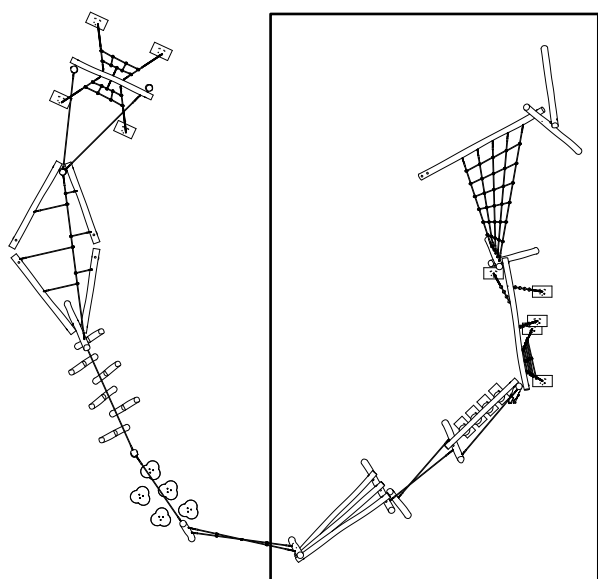
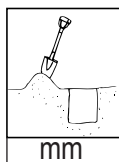


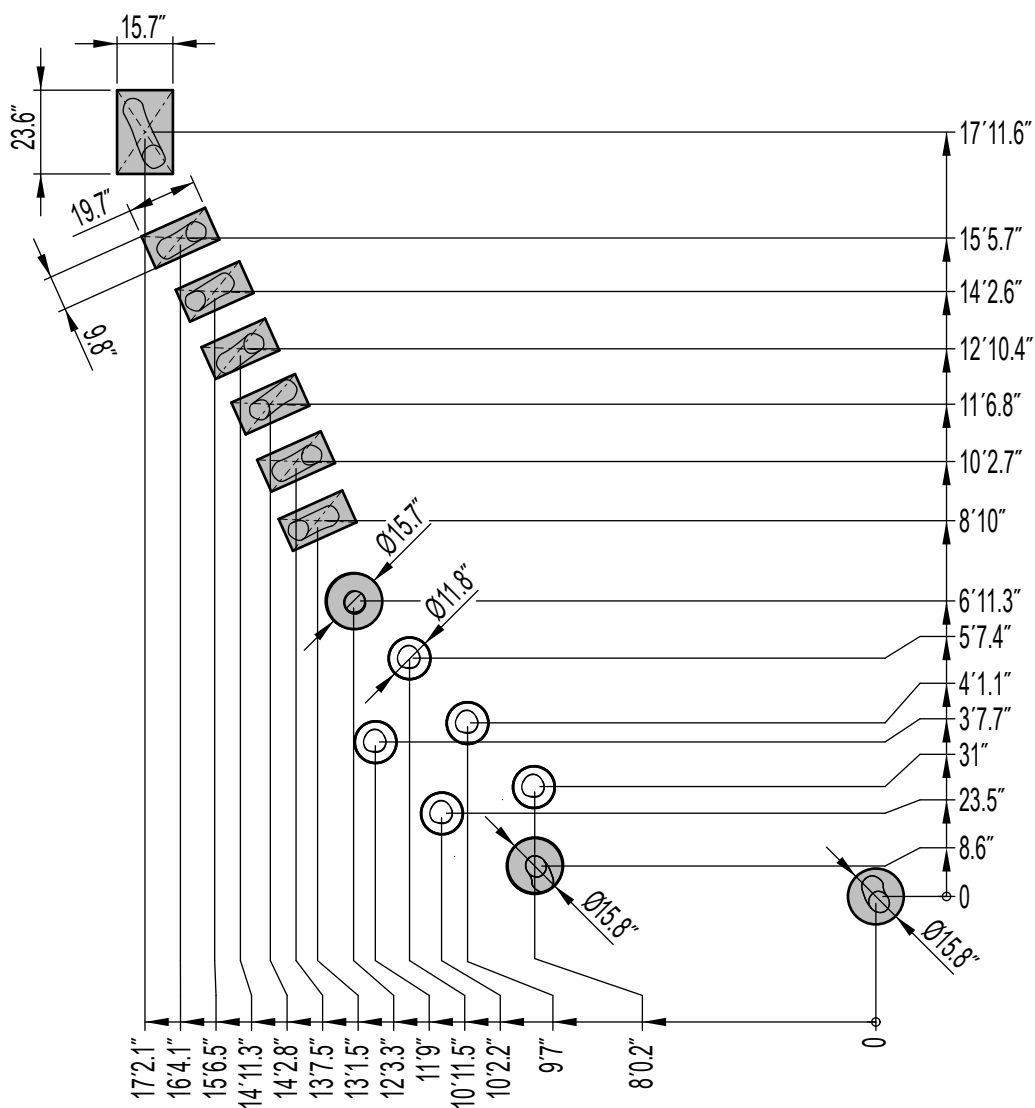
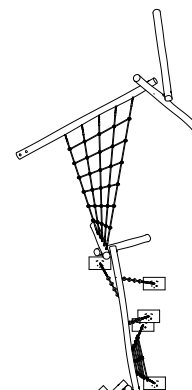
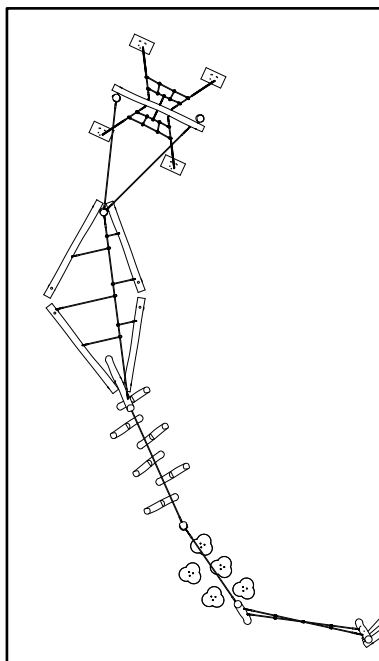
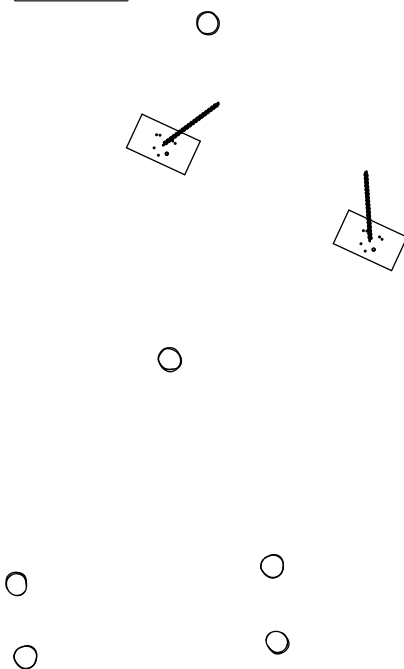
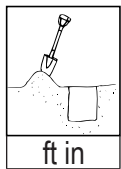
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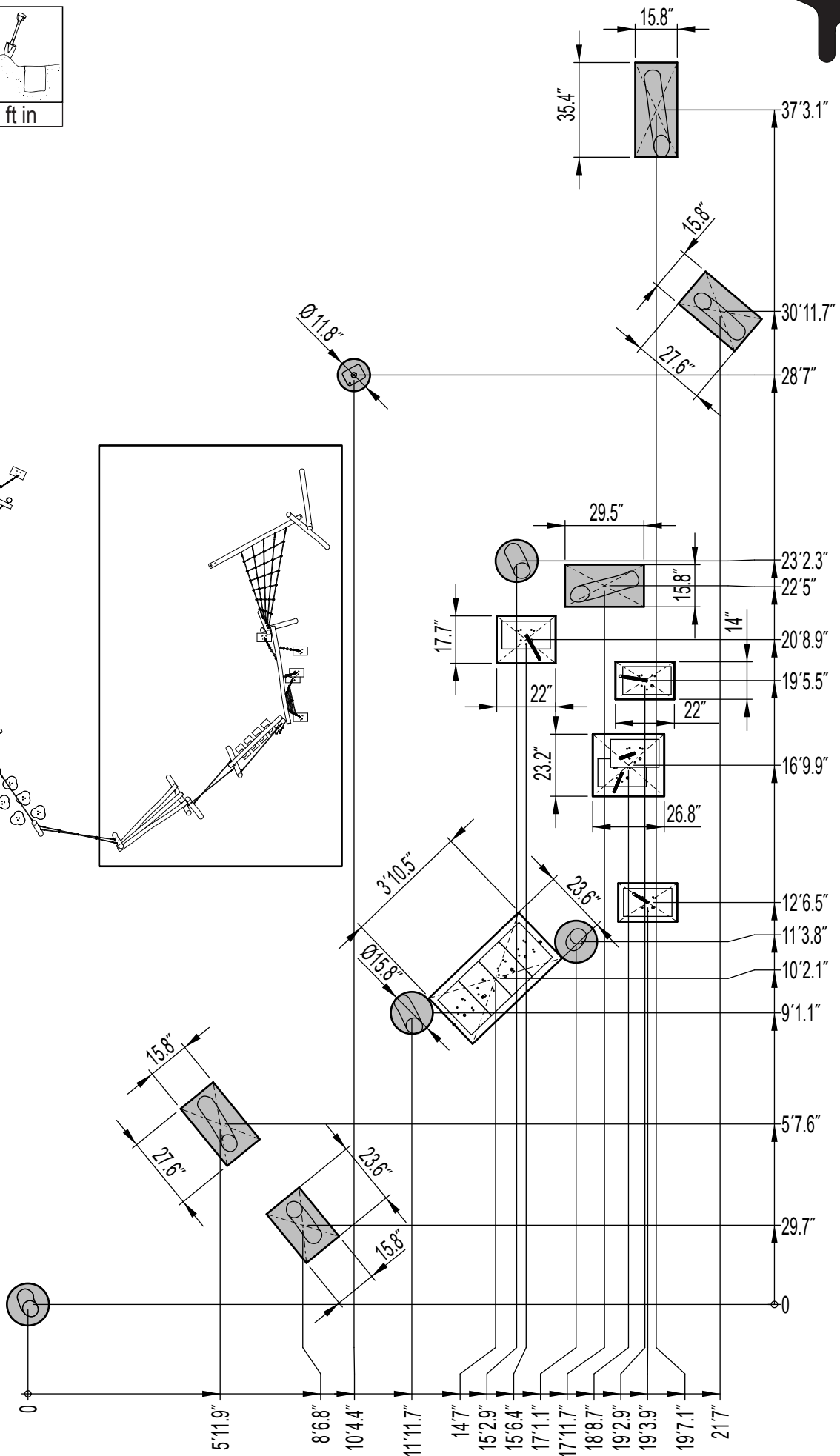
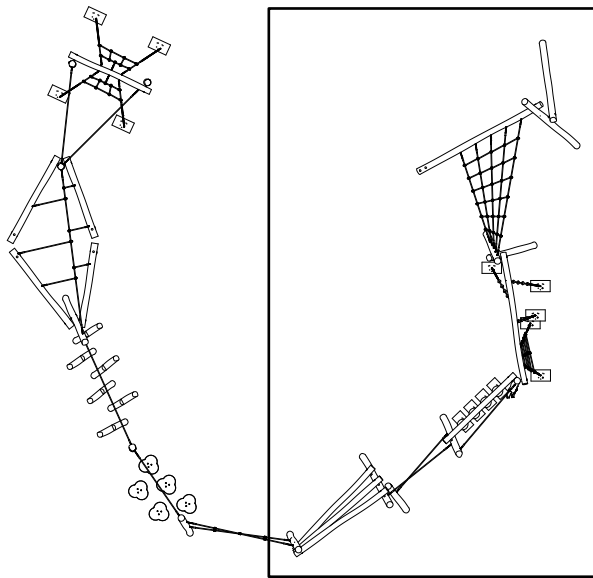
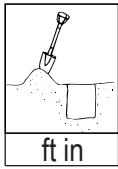
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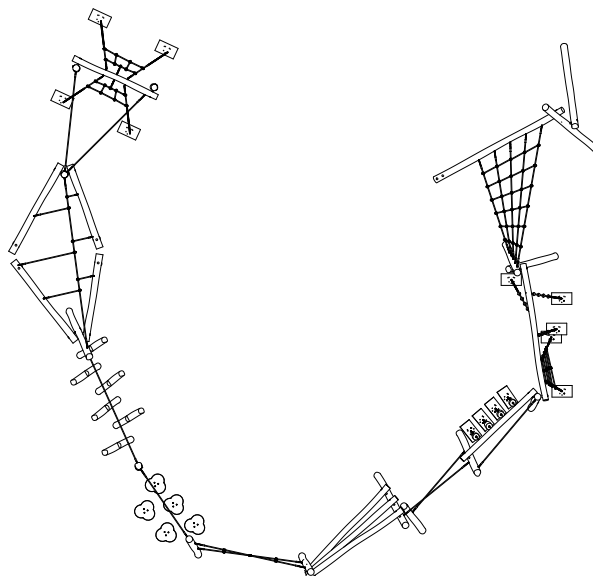
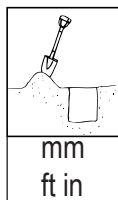




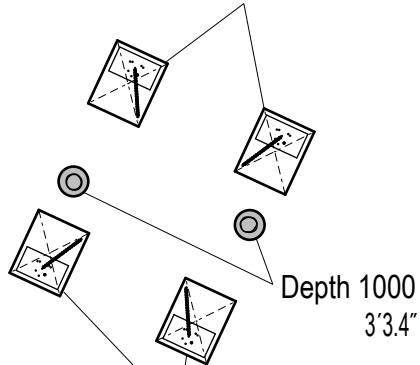








Depth 750 / 29.5"
NO CONCRETE



Depth 750 / 29.5"
NO CONCRETE

Depth 1000 / 3'3.4"

Depth 650 / 25.6" (4x)
NO CONCRETE

Depth 785
30.9"

Depth 930
36.6"

Depth 1000
3'3.4"

Depth 1016
3'4"

Depth 886
34.9"

Depth 826 / 32.5"
NO CONCRETE

Depth 960 / 37.8"
NO CONCRETE

Depth 948 / 37.3"
NO CONCRETE

Depth 1015 / 3'4"

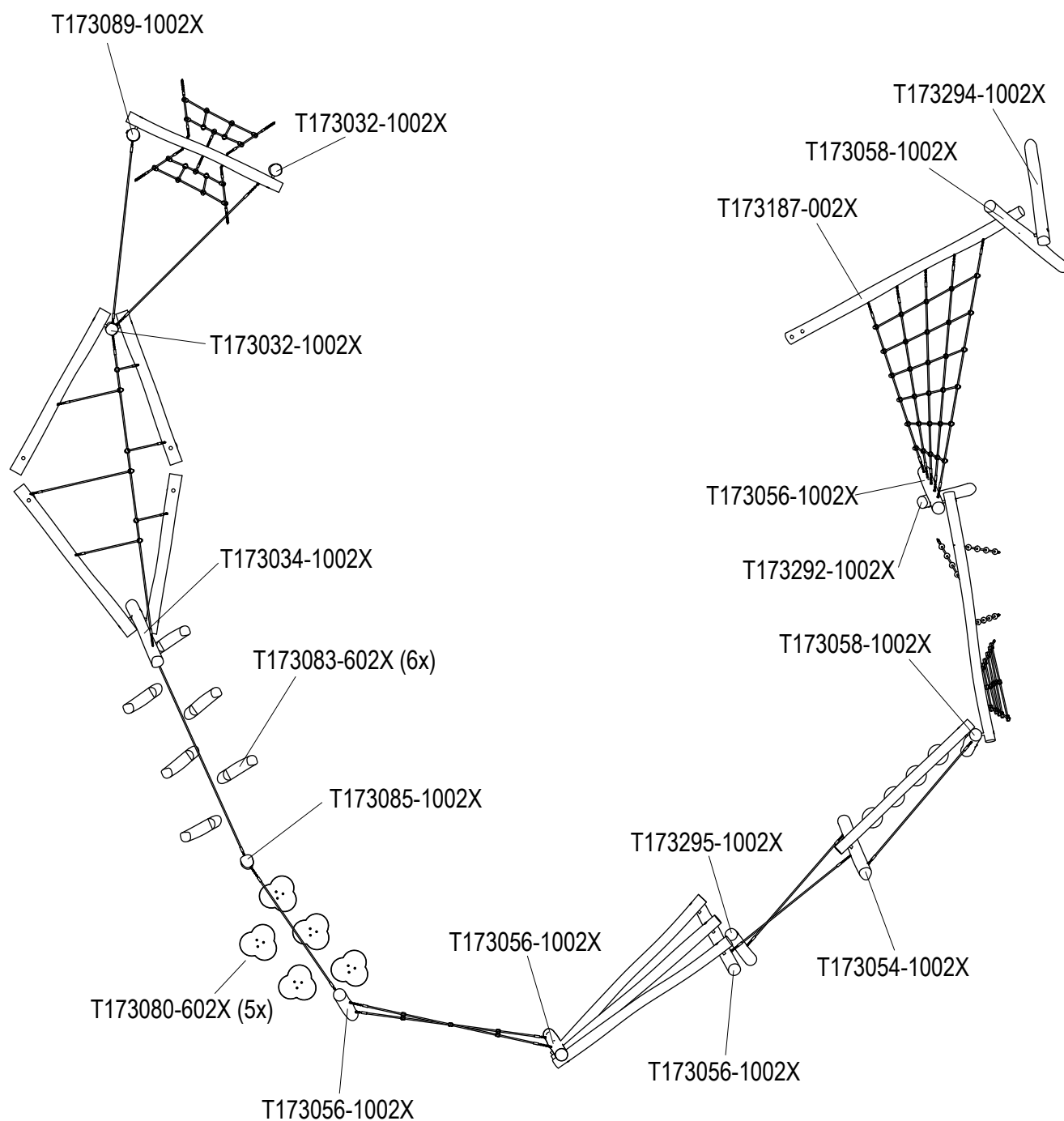
Depth 1031
3'4.6"

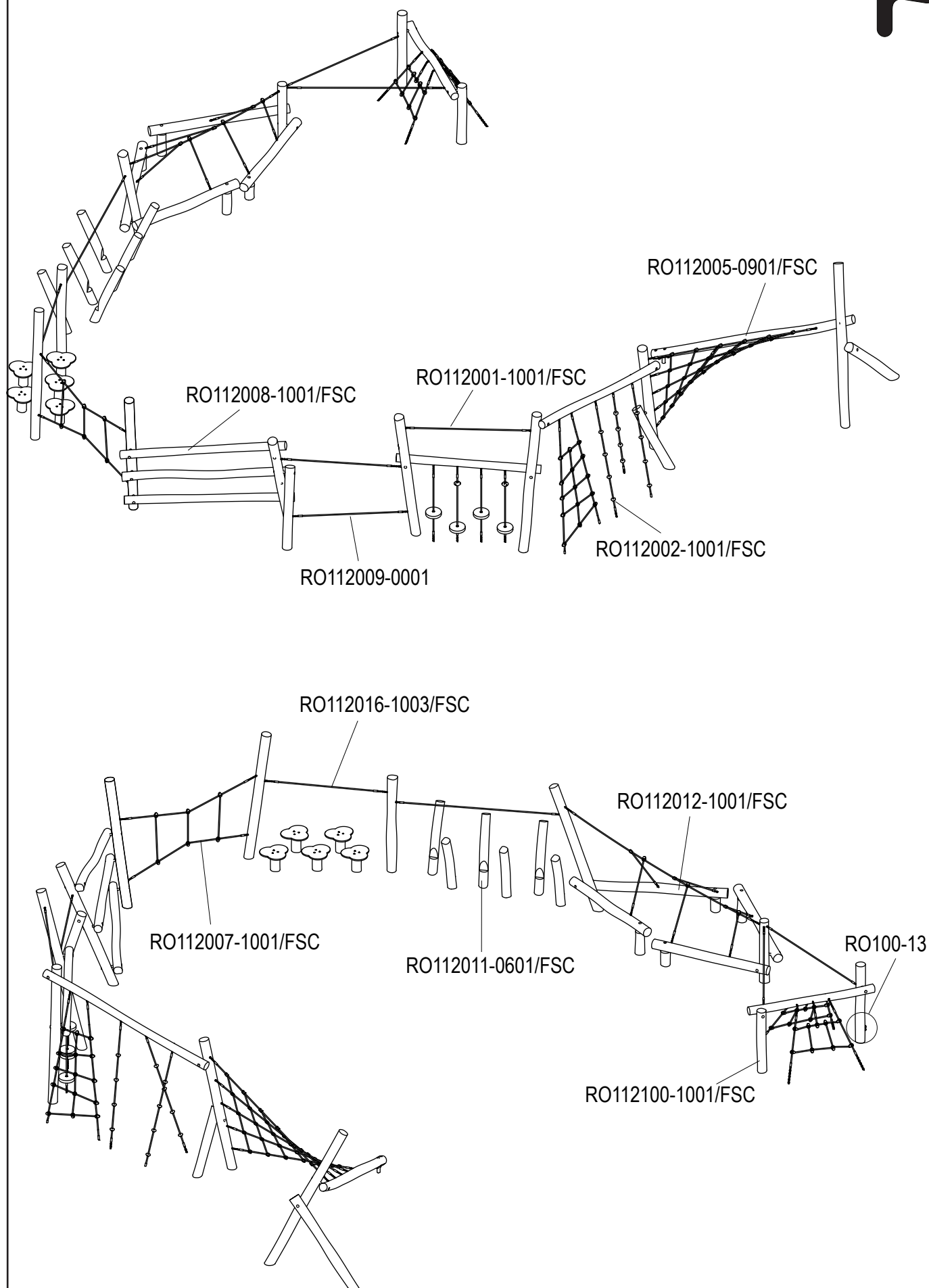
Depth 1006
3'3.6"

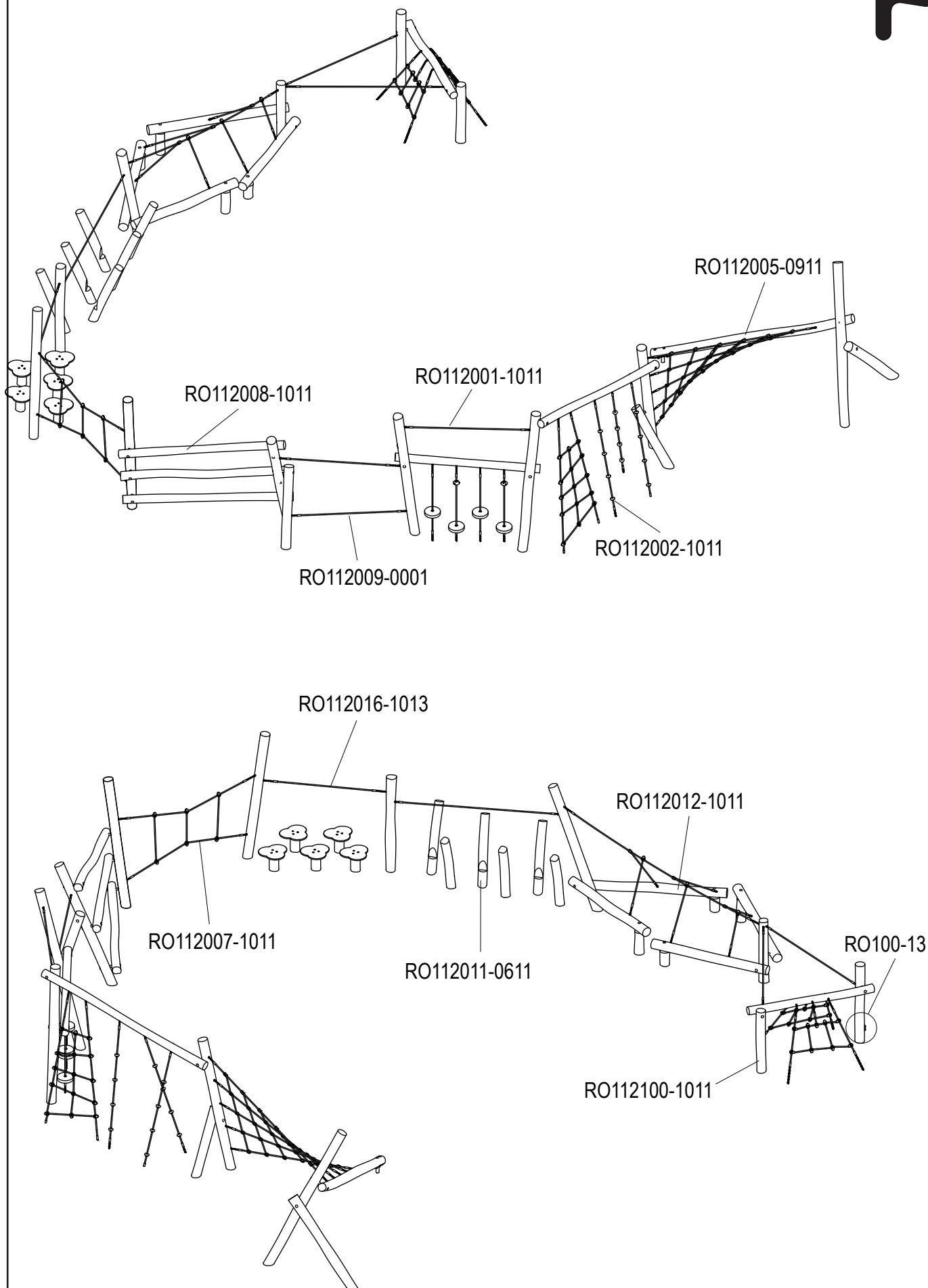
Depth 814 / 32"
NO CONCRETE

Depth 1023 / 3'4.3"

Depth 1010 / 3'3.8"





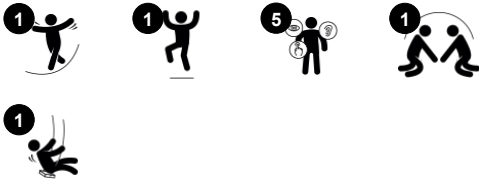


Birds Nest Swing

NRO911



Item no. NRO911-1101	
General Product Information	
Dimensions LxWxH	13'7"x6'9"x9'4"
Age group	2 - 12
Play capacity (users)	7
Color options	 



Of all the play activities, the Bird's Nest Swing is a strong favorite: children love it, and it can be done individually and together. It is a great facilitator of fun rough-and-tumble play. The seat allows for multiple users of all abilities and most ages and makes it a thrilling, swinging experience, day after day, for hours and hours. Swinging, apart from being tremendous fun,

trains the children's ABCs: agility, balance and coordination, as well as their spatial awareness. These motor skills are crucial to being able to judge distance and navigate spaces safely. Swings allow for standing, sitting, lying – and not least, jumping off. All of these activities train the arm, leg and core muscles. The jumping off strengthens bone

density – the majority of which is built up during the first years of life. Finally, this swing supports social skills such as taking turns and cooperation.



Birds Nest Swing

NRO911



Bird nest swing

Physical: develops balance, coordination and spatial awareness. The swinging movement trains the arm, leg and core muscles, and strengthens bone density when jumping off.

Social-Emotional: the spacious seat allows for many children standing, lying, seated together and is inclusive for all. **Cognitive:** cause and effect understanding, rhythm and thinking skills are developed in younger children.



Birds Nest Swing

NRO911



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



KOMPAN designed the bird's nest seats to be light in weight and in compliance with global safety standards. The soft, shock absorbent bumpers with non-slip surface makes the swing seat extremely user friendly. Choose between a rope version with reinforced PA rope or a molded PE version. Both equipped with soft rubber bumpers.



Swing hangers for Robinia wood crossbeams are made of stainless steel brackets and can move over two axis. The flange bearings are silicone enriched to make the suspension maintenance free.

Item no. NRO911-1101	
Installation Information	
Max. fall height	7'7"
Safety surfacing area	544ft²
Total installation time	6.5 hours
Excavation volume	1.46yd³
Concrete volume	0.42yd³
Footing depth (standard)	3'8"
Shipment weight	989lbs
Anchoring options	In-ground ✓
Warranty Information	
Robinia Wood	10 Years
Stainless steel components	Lifetime
Chains	10 Years
Spare Parts Availability	10 Years



The Robinia wood can be supplied as untreated raw wood or painted with a brown colored transparent pigment that maintains the golden wood color of the wood.

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	1	1
Required	0	1	1



Sustainability Data

NRO911



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRO911-1101	325.67	0.92	3.08

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S

C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

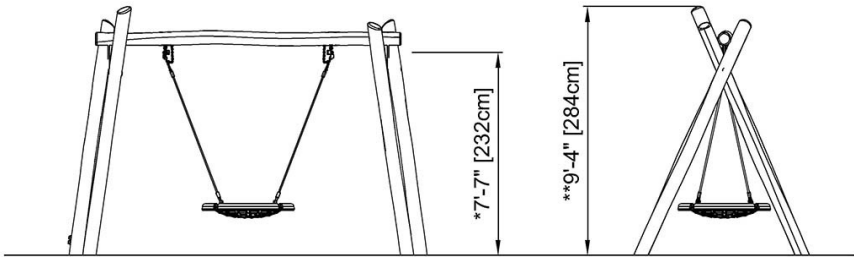
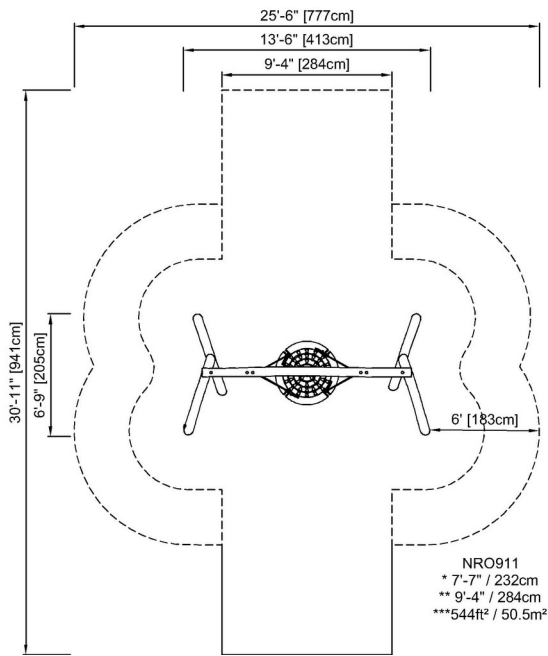


Birds Nest Swing

NRO911

* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



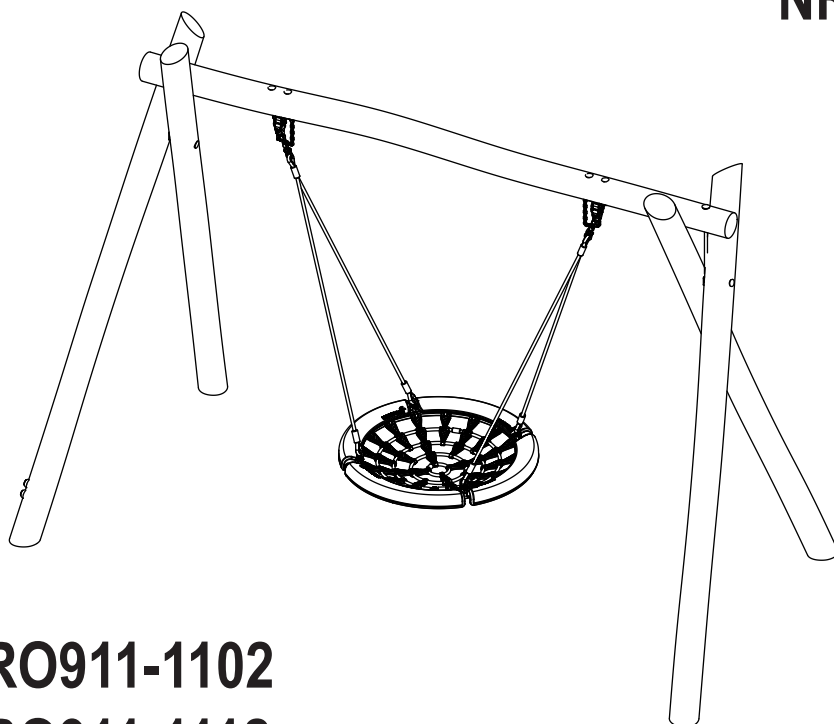
[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)

KOMPAN!

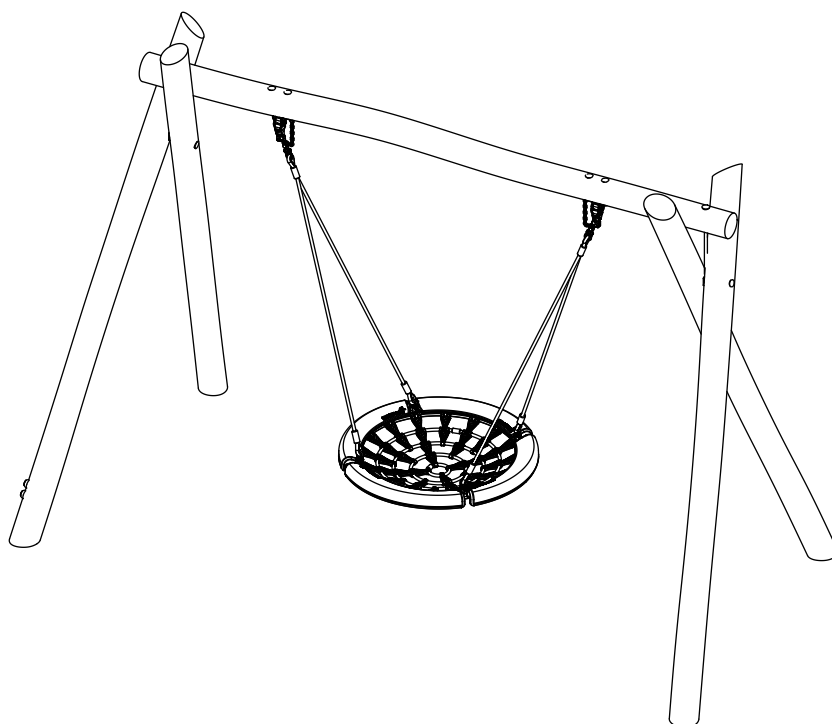
NRO911-1101/FSC

NRO911-1111/FSC



NRO911-1102

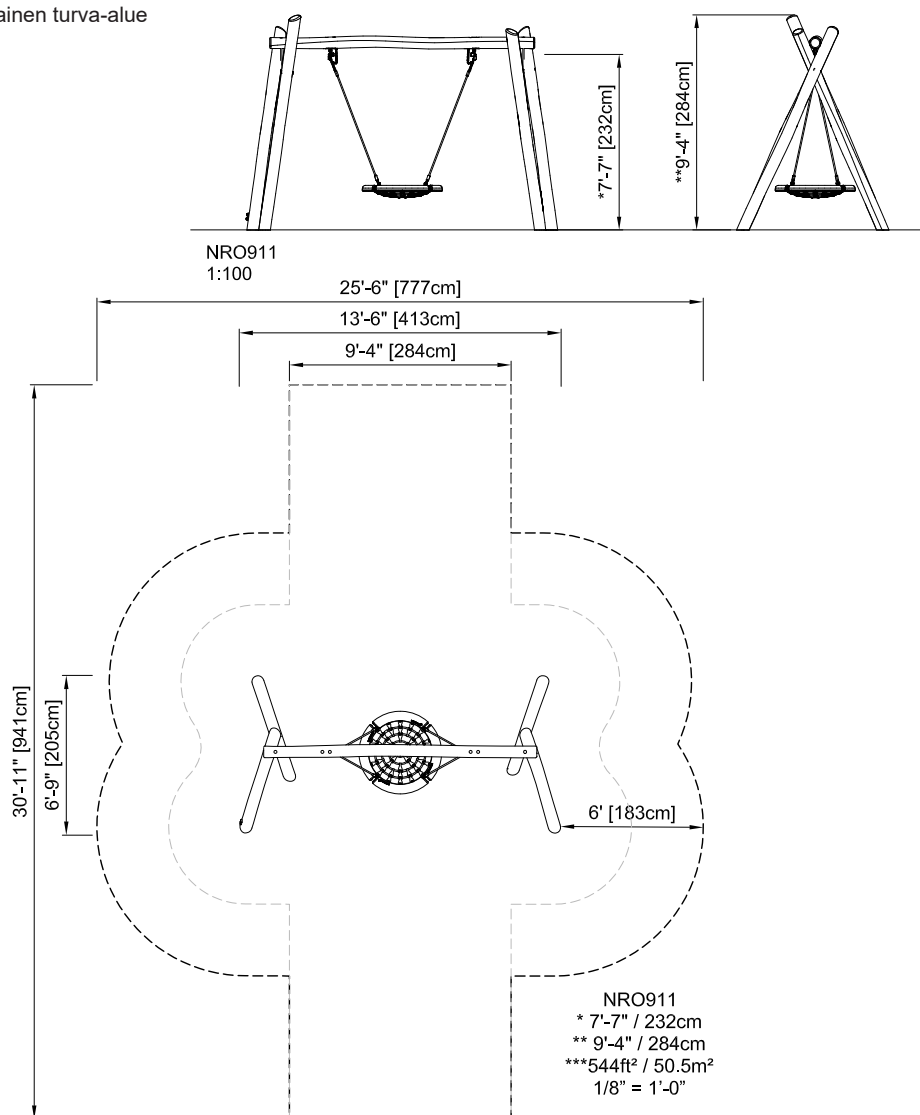
NRO911-1112



VNRO911XXXX 20160331 PetrJu



Safety zone in accordance with ASTM 1487/CSA Z614
Sicherheitsabstand gemäß ASTM 1487/CSA Z614
Espace d'évolution selon ASTM 1487/CSA Z614
Zona de seguridad según ASTM 1487/CSA Z614
Distanze di sicurezza in conformità con lo standard ASTM 1487/CSA Z614
Veiligheidsgebied in overeenstemming met ASTM 1487/CSA Z614
Säkerhetsområde enl ASTM 1487/CSA Z614
Sikkerhedsareal iht. ASTM 1487/CSA Z614
Зона безопасности в соответствии с ASTM 1487/CSA Z614
ASTM 1487/CSA Z614-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487/CSA Z614. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487/CSA Z614. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487/CSA Z614. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487/CSA Z614. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti ASTM 1487/CSA Z614. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487/CSA Z614. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer ASTM 1487/CSA Z614. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487/CSA Z614. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

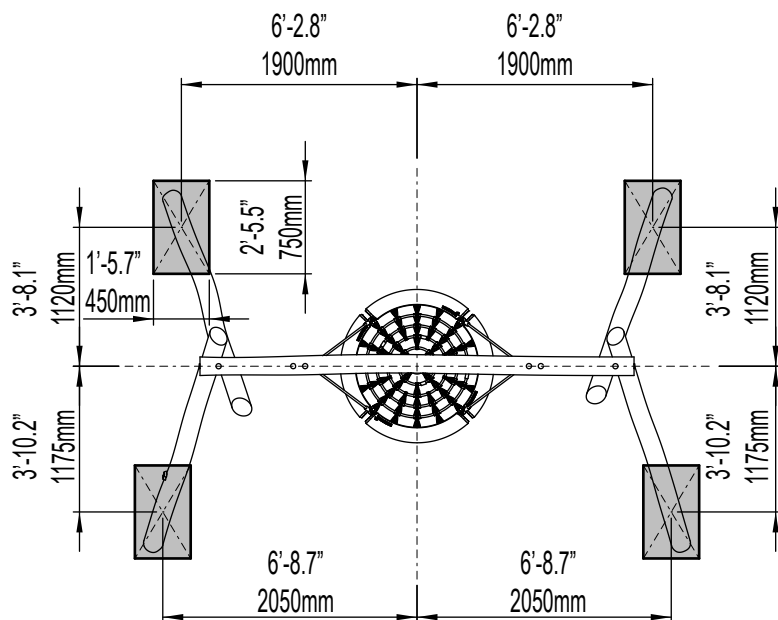
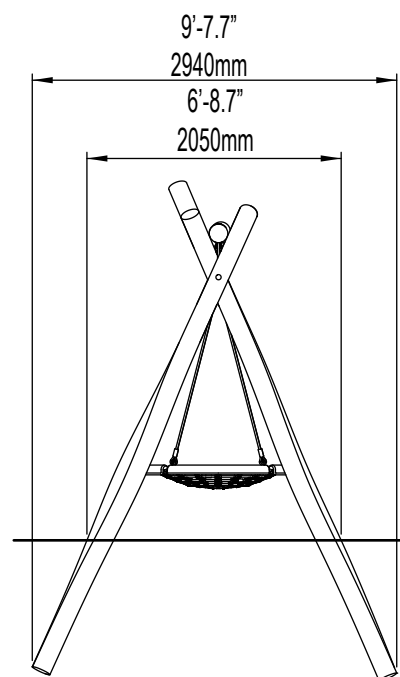
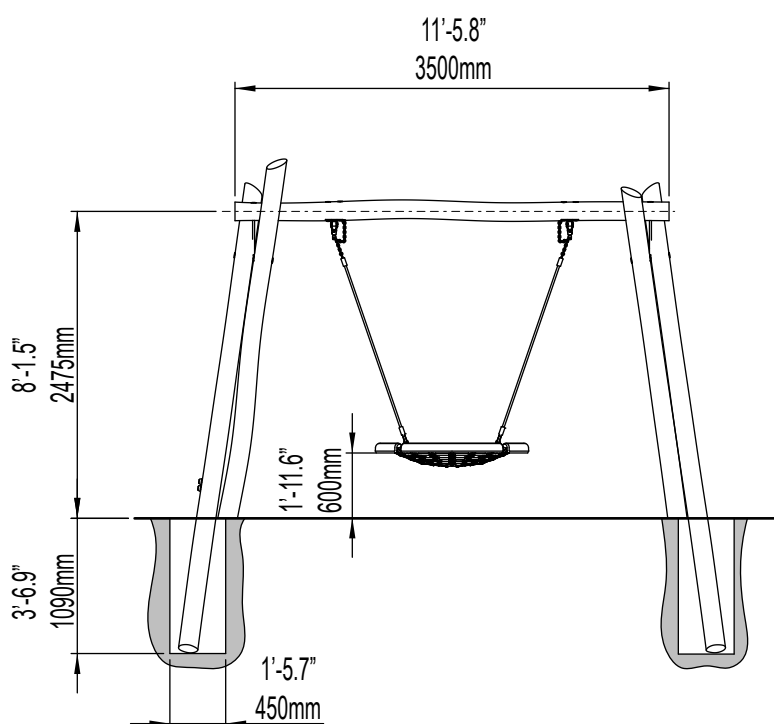
Внимание: Зона безопасности указана в соответствии с ASTM 1487/CSA Z614. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on ASTM 1487/CSA Z614-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANIin.

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NRO911-1101/FSC
NRO911-1102
NRO911-1111/FSC
NRO911-1112





Important! The concrete must be sufficiently hardened before the play item may be used.

Total volume of concrete: Min 0,320 m³

Wichtig! Vor der Inbetriebnahme des Spielerräts muß der Beton ausreichend abgebunden haben.

Betonverbrauch insgesamt: mind. 0,320 m³

Important! Le béton doit avoir suffisamment durci avant de mettre en service l'équipement de jeux.

Consommation totale de béton: au minimum 0,320 m³

Importante! El hormigón debe estar suficientemente endurecido antes de comenzar a utilizar el equipo de juego. Consumo total de hormigón: Min. 0,320 m³

Importante! Prima de utilizzare le attrezzature da gioco, il cemento deve essere sufficientemente solidificato. Volume totale di cemento: min. 0,320 m³

Belangrijk! Het beton moet voldoende gehard zijn voordat het speeltoestel in gebruik wordt genomen.

Totale benodigde hoeveelheid beton: min. 0,320 m³

Viktigt! Betongen måste ha hårdat tillräckligt innan lekredskapet börjar användas.

Total betongåtgång: min. 0,320 m³

Viktigt! Betonen skal være tilstrækkeligt hærdet, før legeredskabet tages i brug.

Totalt betonforbrug: Min. 0,320 m³

Важно! Перед использованием сооружений убедитесь, что бетон затвердел.

Суммарный объем бетона: мин. 320 л.

HUOM! Betonivalun on oltava tarpeeksi kuiva, ennen kuin leikkivälinettä saa käyttää.

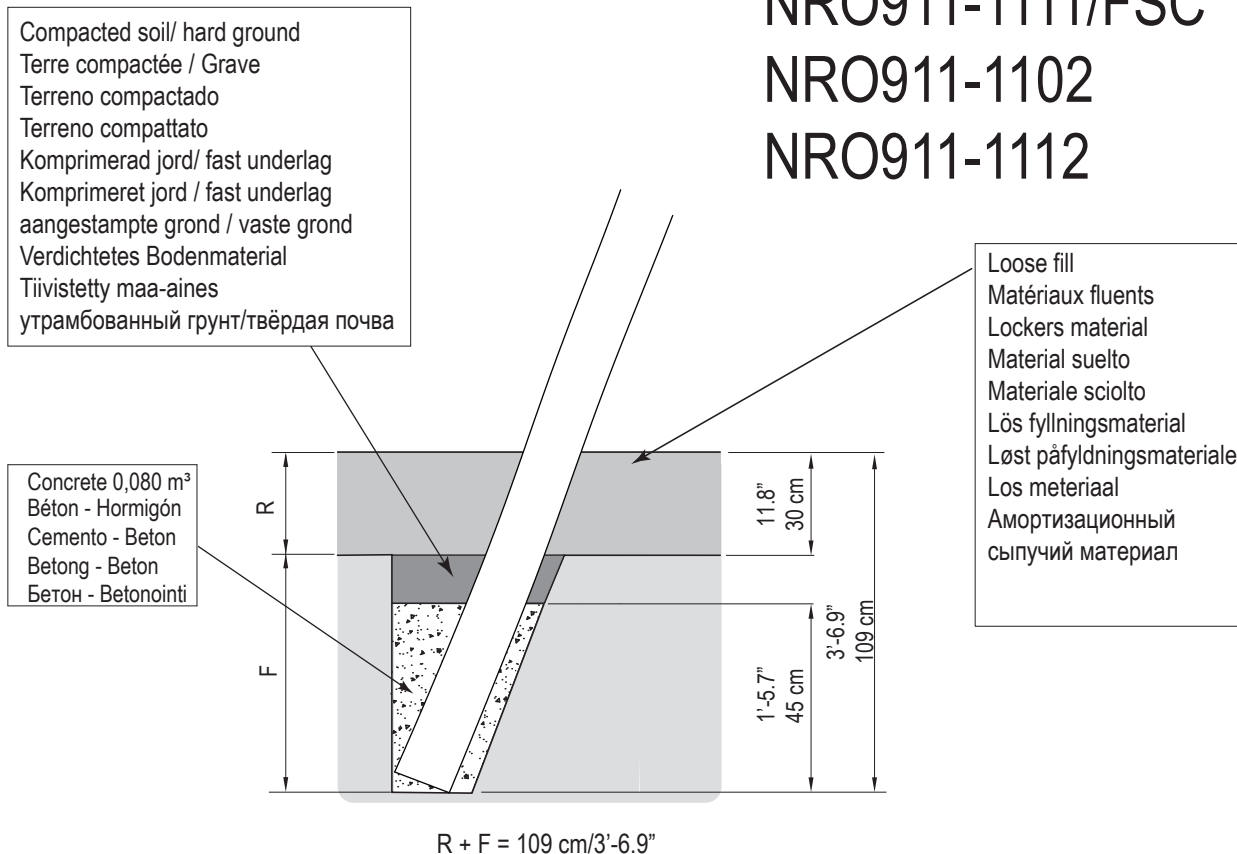
Betonoinnin minimikokonaismäärä; 0,320 m³

NRO911-1101/FSC

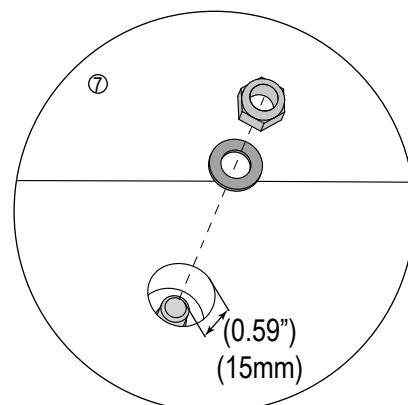
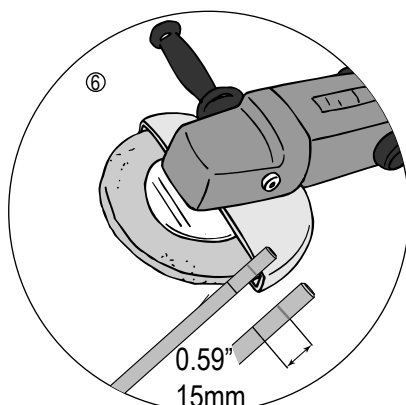
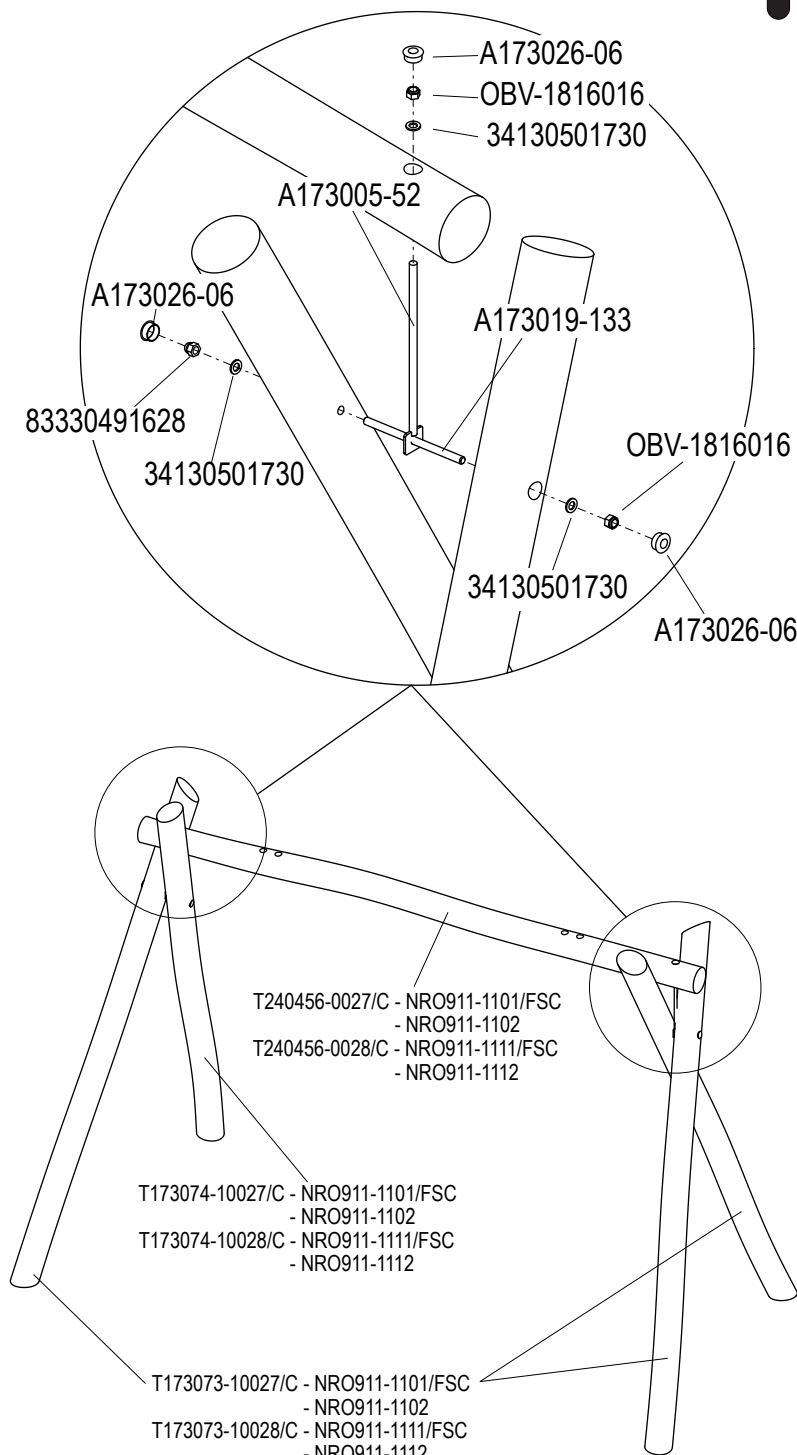
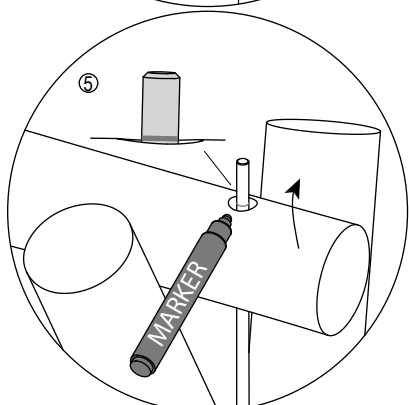
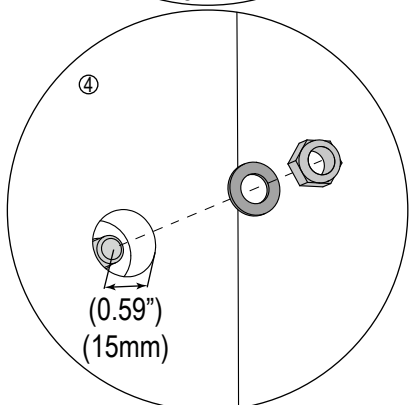
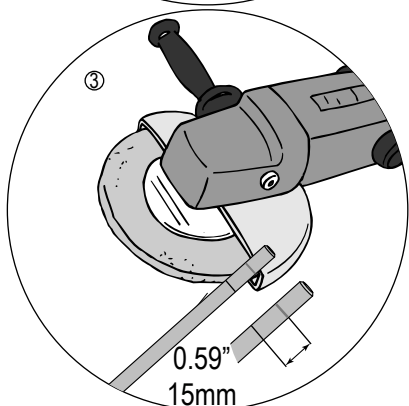
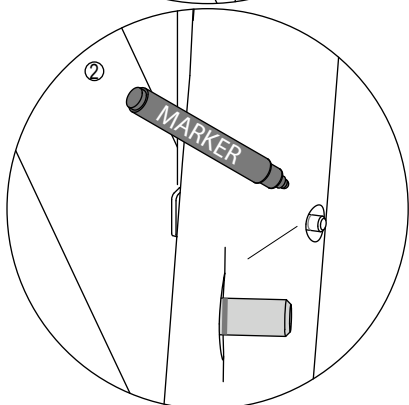
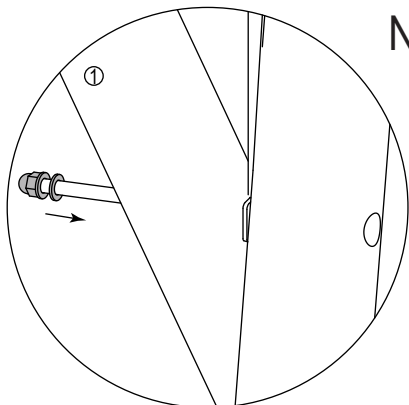
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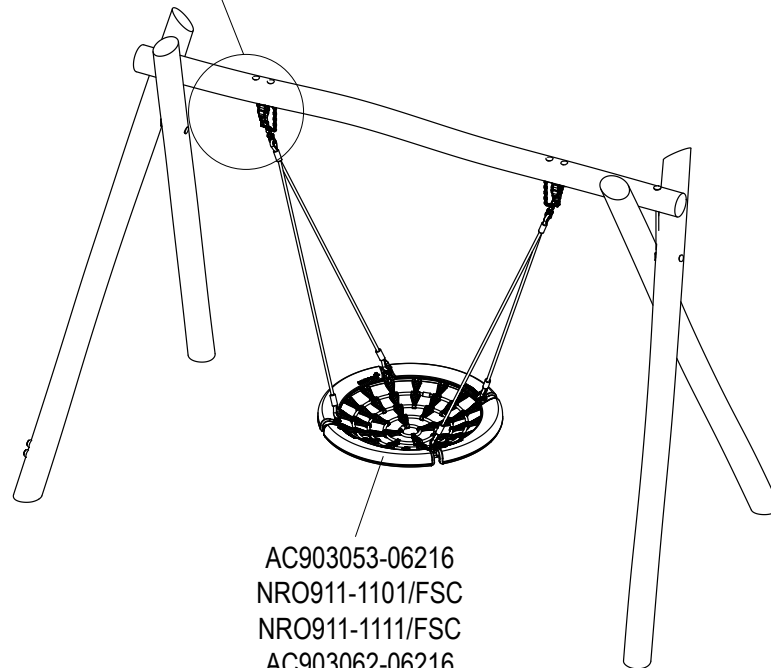
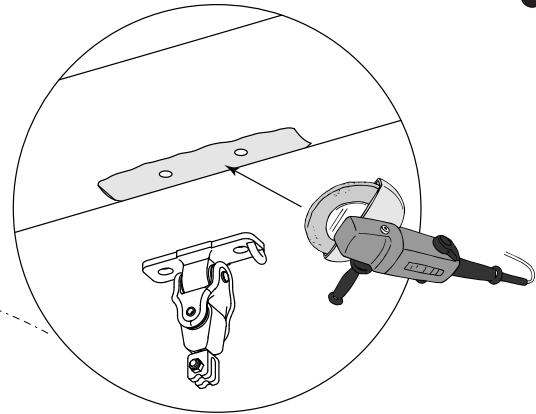
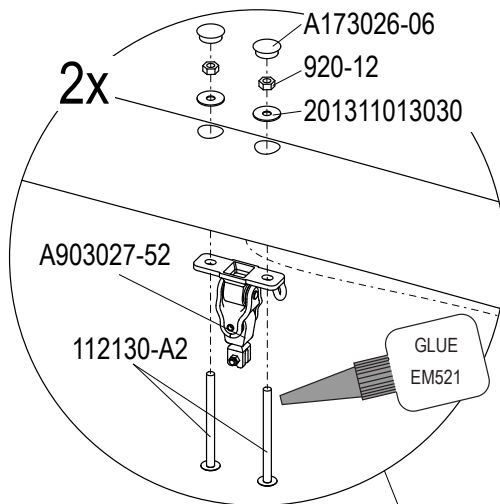
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NRO911-1112

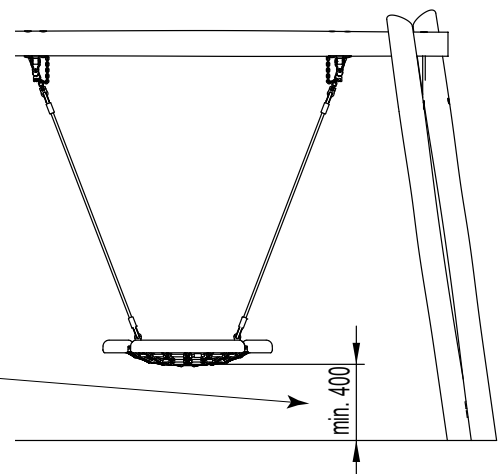
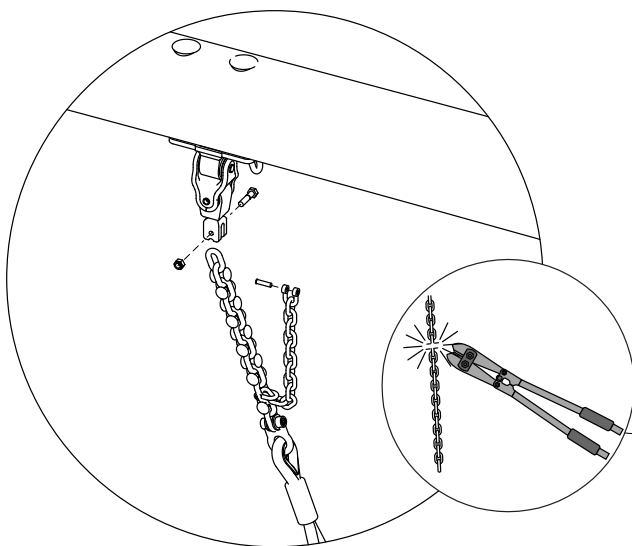


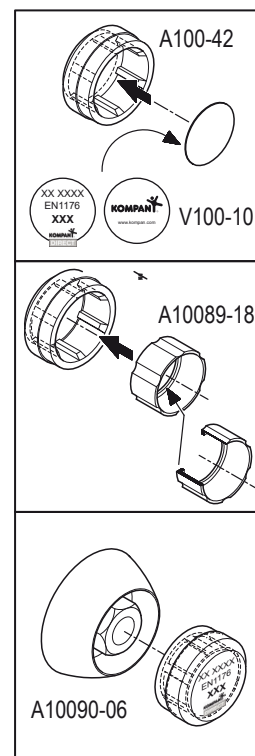
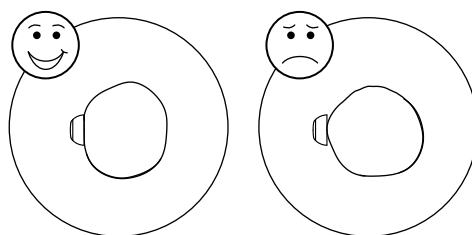
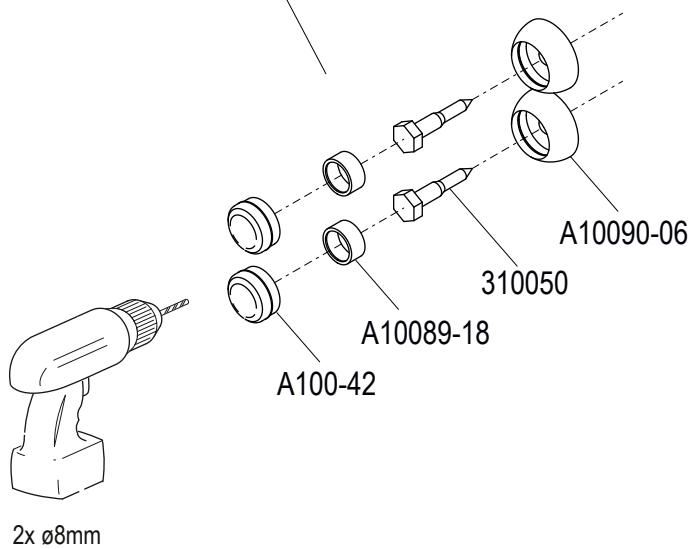
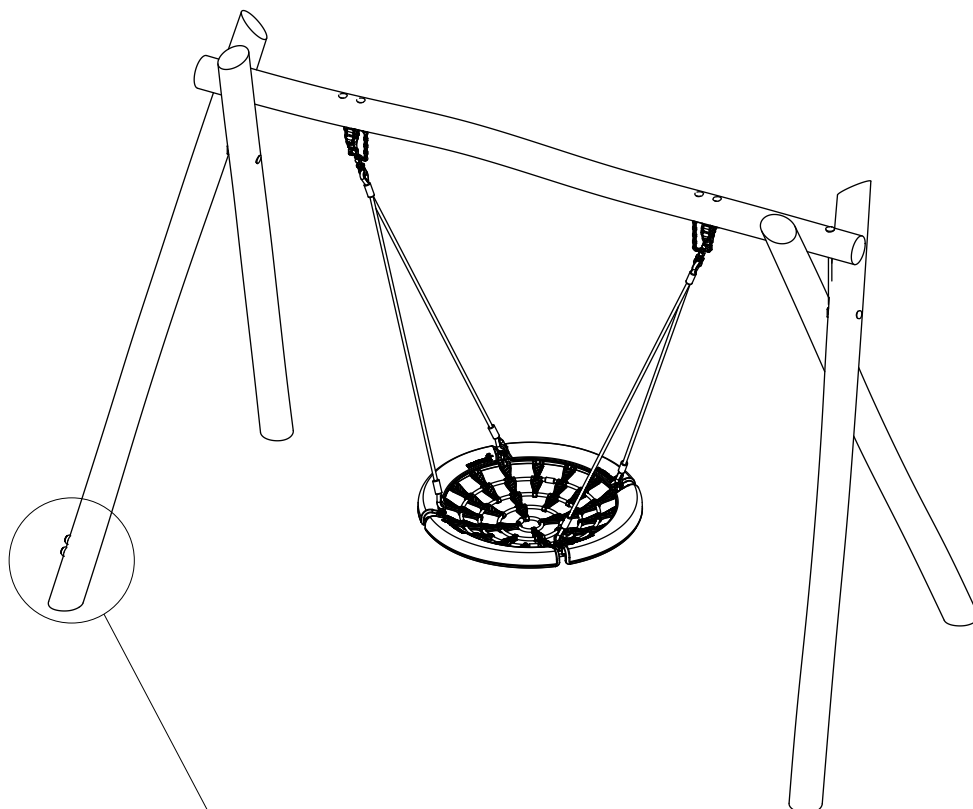
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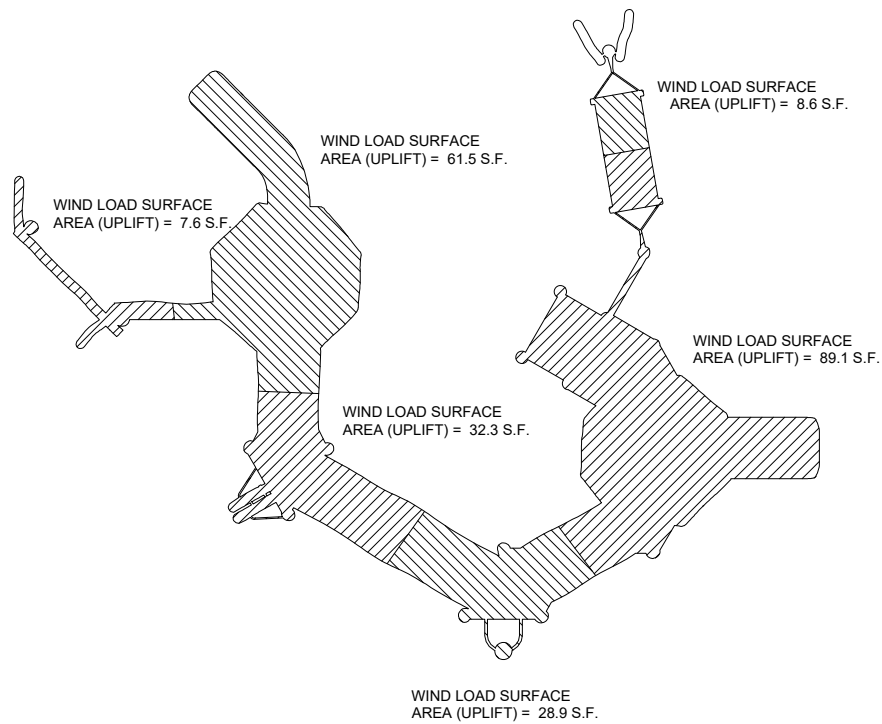




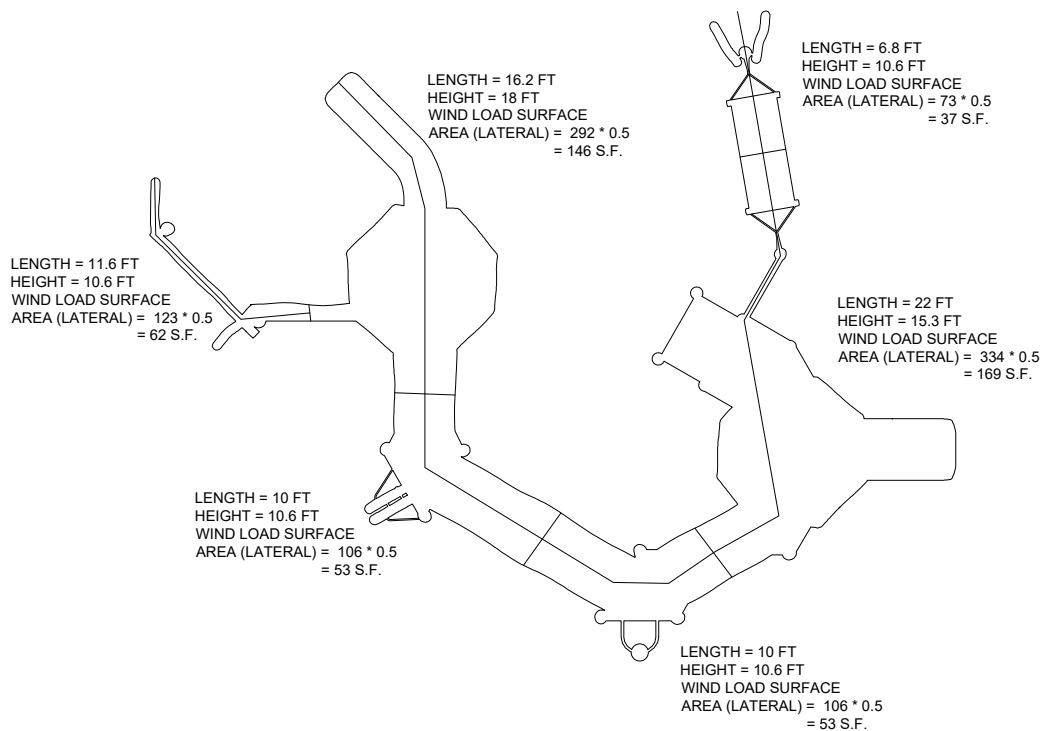
Appendix (III)

Horizontal & Vertical Surface Areas

A. Warlock's Escape (NRC400101-1001)

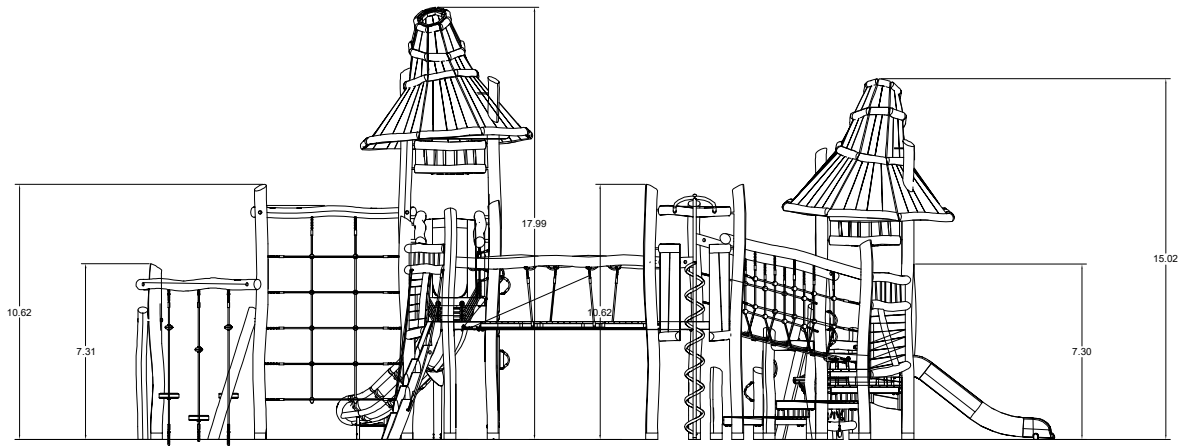


PLAN



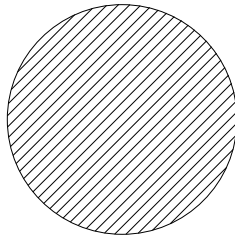
LATERAL AREA

A. Warlock's Escape
(NRC400101-1001)



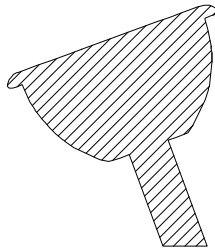
ELEVATION

B. Spinner Bowl
(ELE400024-3717BL)



WIND LOAD SURFACE
AREA (UPLIFT) = 2.55 S.F.

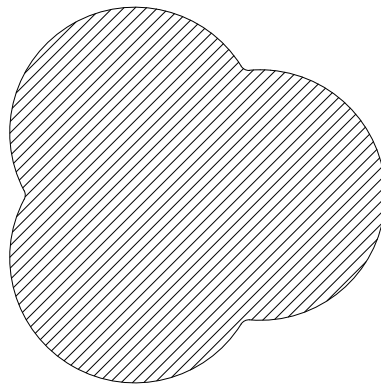
PLAN



WIND LOAD SURFACE
AREA (LATERAL) = 146 S.F.

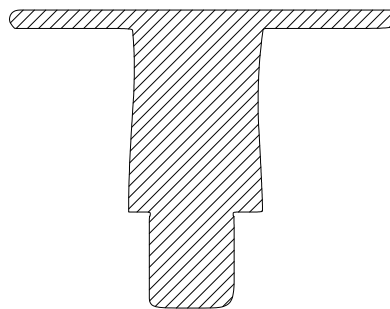
ELEVATION

C. Waterlilies Balance Posts
(NRO820-0601)



WIND LOAD SURFACE
AREA (UPLIFT) = 1.62 S.F.

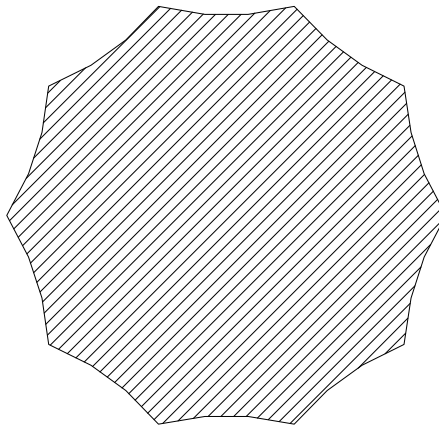
PLAN



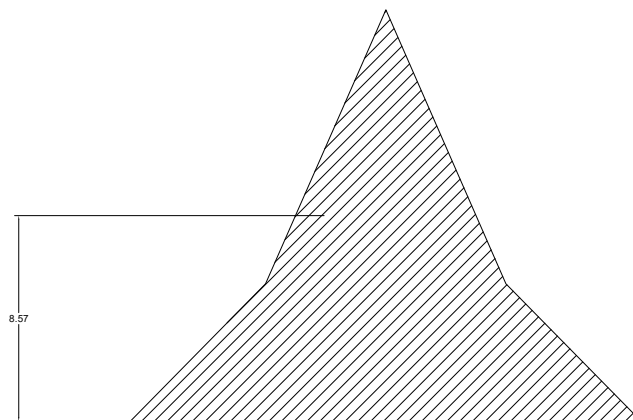
WIND LOAD SURFACE
AREA (LATERAL) = 0.6 S.F.

ELEVATION

D. Tree Climber
(NRO834-1001)



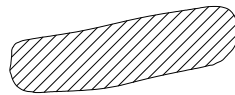
WIND LOAD SURFACE AREA
(UPLIFT) = 234×0.5
= 117 S.F.



WIND LOAD SURFACE AREA
(UPLIFT) = 147×0.5
= 74 S.F.

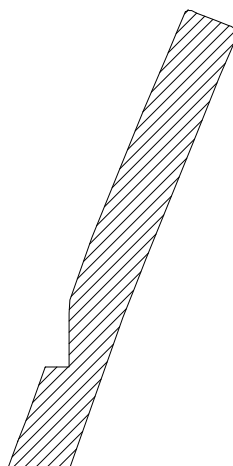
ELEVATION

E. Stilts
(NRO806-0601)



WIND LOAD SURFACE AREA
(UPLIFT) = 0.8 S.F.

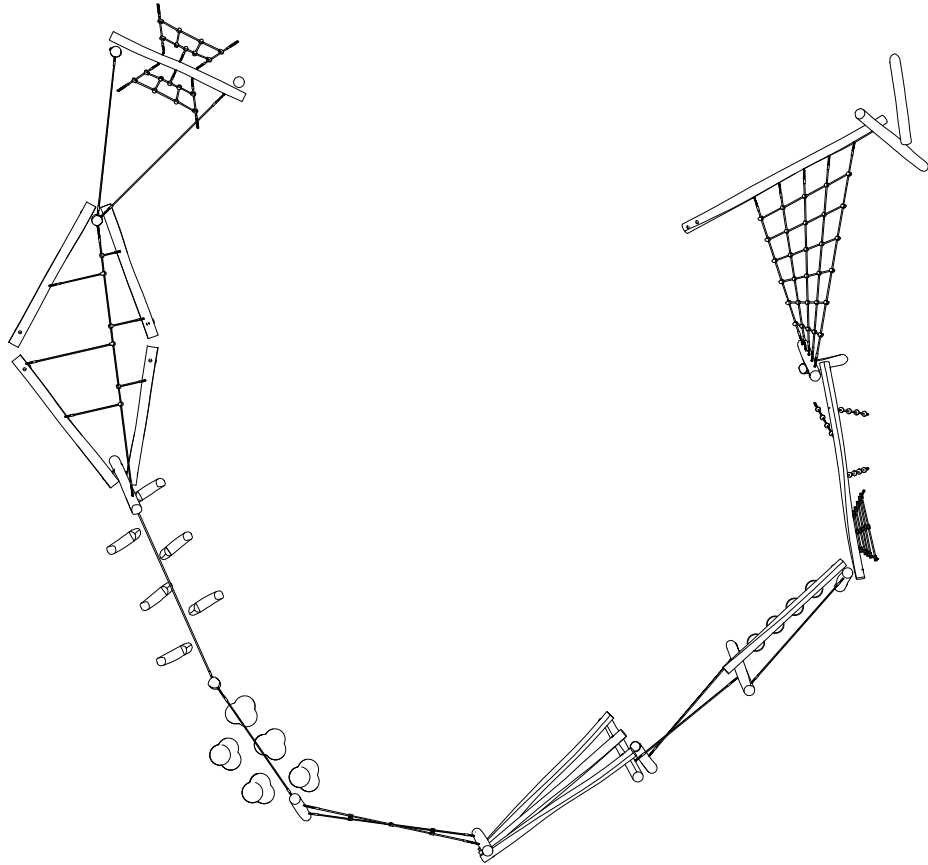
PLAN



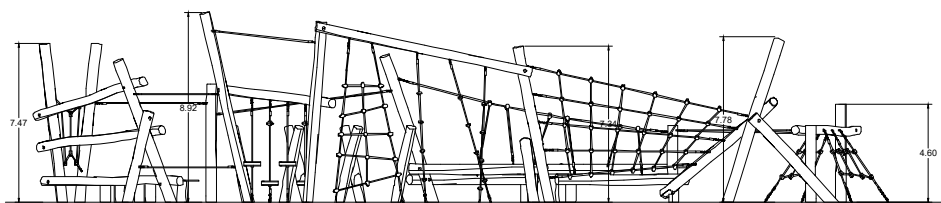
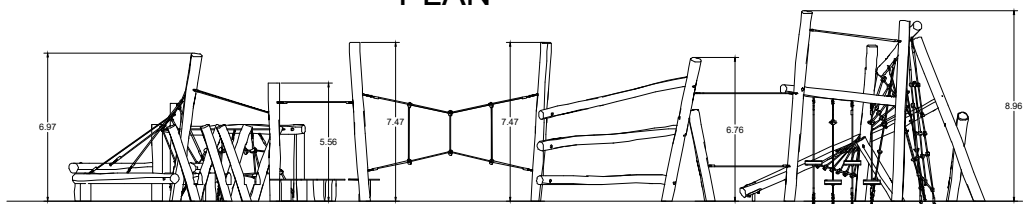
WIND LOAD SURFACE AREA
(UPLIFT) = 1.65 S.F.

ELEVATION

F. Parkour 5
(NRO857-1003)

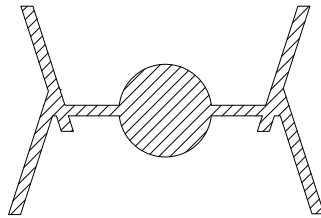


PLAN



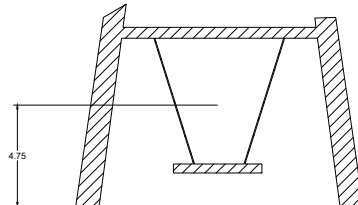
ELEVATION

G. Birds Nest Swing
(NRO911-1101)



WIND LOAD SURFACE
AREA (UPLIFT) = 31 S.F.

PLAN

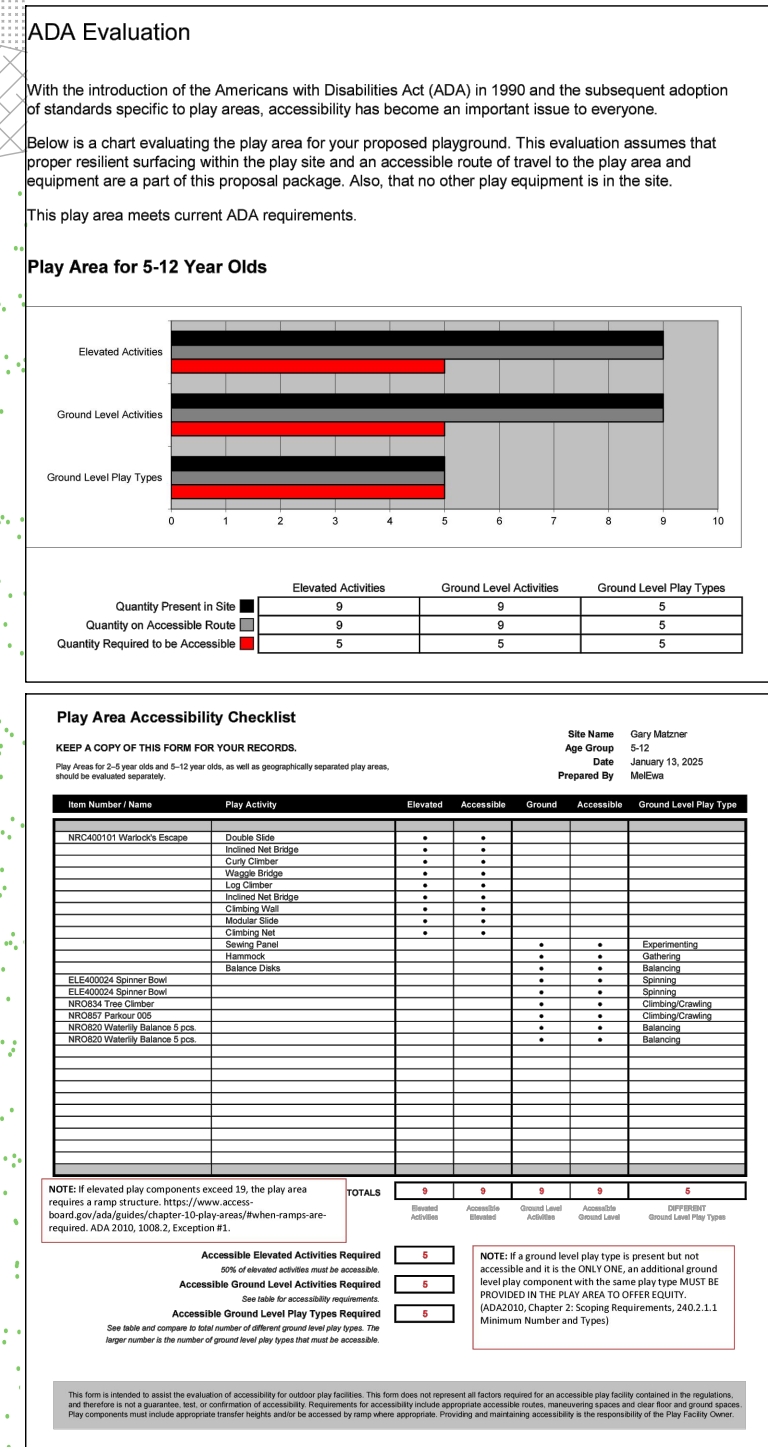


WIND LOAD SURFACE
AREA (LATERAL) = 26 S.F.

ELEVATION

Appendix (IV)

Site plan



 EWF AREA: 4,519 SF
 EWF EXPANSION AREA (REQUIRED): 347 SF
 GREEN TURF AREA: 6,019 SF
 COLOR TURF EXPANSION AREA (REQUIRED): ## SF
 CONCRETE CURB: 324' 1"

6610 N Kendall Dr.
Pinecrest, FL
Site Plan



FOR USE BY CONTRACTOR, ENGINEER, OR DESIGN PROFESSIONAL OF RECORD. SEE SIGNED SALES PROPOSAL FOR COMPLETE SCOPE TO BE PROVIDED BY KOMPAN OR REPRESENTING AGENCY. CONFIRM FINAL PLAN AND SCOPE WITH KOMPAN SALES REP OR PROJECT MANAGER PRIOR TO USE FOR REVIEW, PERMITTING, OR CONSTRUCTION.

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SLAB BY OTHERS UNLESS OTHERWISE NOTED. FOR SURFACE MOUNT OPTIONS, THE CONCRETE REQUIREMENTS MAY BE UP TO 5/8" OF 3,500 PSI MINIMUM COMPRESSIVE STRENGTH. CONTACT KOMPAN FOR SPECIFIC PRODUCT REQUIREMENTS. ALL COMPOSITE STRUCTURES SHOWN REQUIRE A SITE GRADE OF 2% MAXIMUM, 1% OPTIMAL. SPECIFICATIONS FOR EACH KOMPAN STRUCTURE MAY BE FOUND AT KOMPAN.COM/KOMPANMASTER

DIMENSIONS OF PLAY AREA, SIZE AND ORIENTATION, LOCATIONS OF ALL EXISTING UTILITIES, EQUIPMENT AND SITE FURNISHINGS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

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SALES REPRESENTATIVE OscLop			SHEET K1.0
REVIEW BY DESIGN	DRAWN BY MelEwa	DATE 2025-01-13	
REV. NO. 1	REV. BY MelEwa	REV. DATE 2025-05-02	REVISION NOTES Swings, container expansion

LAYOUT IS IN ACCORDANCE WITH ASTM F1487