

Emerson Heights

Equipment Manufacturer



500-2037



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CATALOG PRE-DESIGN

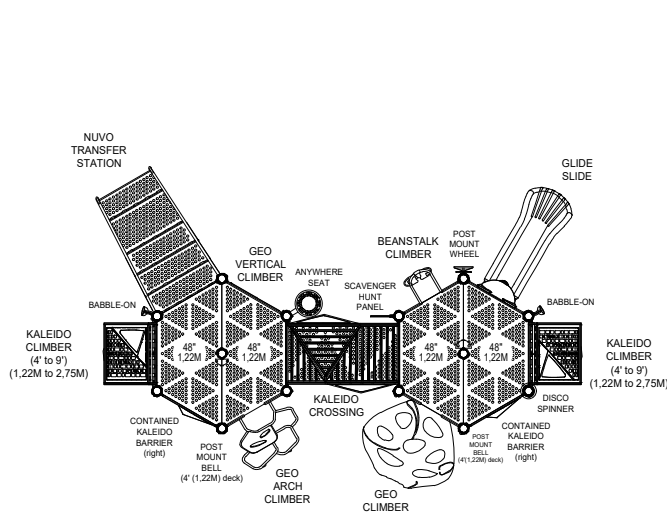


PLAYWORLD SYSTEMS, INC.

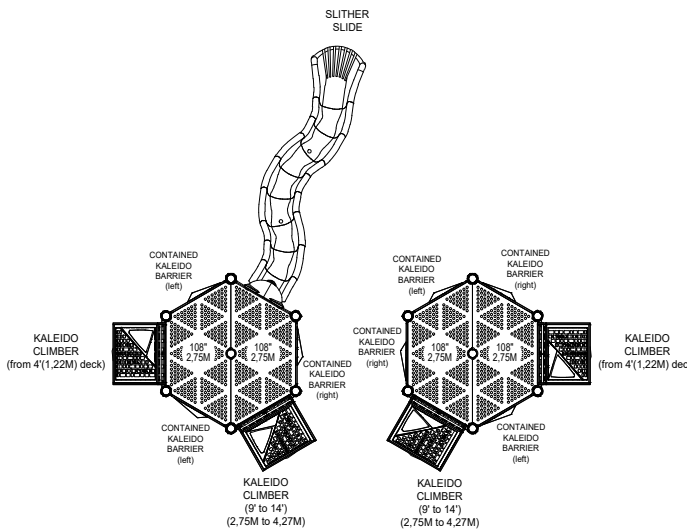
1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

NOTES

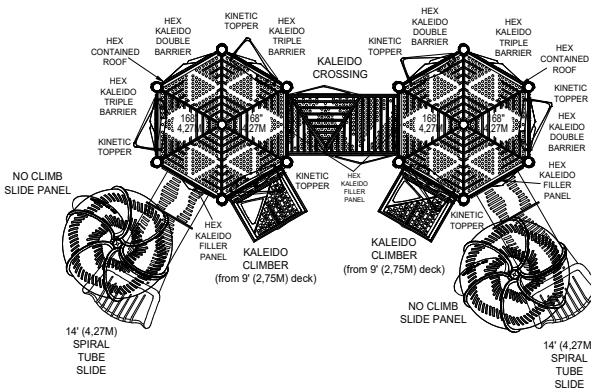
- 1) This tower detail is a diagram of the individual level layouts of the tower portion of your play structure, showing the detailed component layout of each level.
- 2) This tower detail is not to scale and is meant for reference purposes only. It should not be used in obtaining accurate measurements for any of the equipment shown unless otherwise noted on the drawing.
- 3) This design configuration is the property of this firm and Playworld Systems® and may not be reproduced or used in any manner without the expressed written consent of this firm and Playworld Systems®.



GROUND AND 4' (1,22M) LEVEL



9' (2,75M) LEVE



14' (4,27M) LEV

TOWER DETAIL

Detail

PROJECT N
500-203

SCALE:
NOT TO SCALE

DRAWN BY
M. MERTS

Paper Size

DATE:
16-JAN-2

B

***PLAYGROUND SUPERVISION REQUIRED**

EMERSON HEIGHTS

CATALOG PRE-DESIGN

500-2037

Design Number: 500-2037 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZPM0392GZ	5in OD X 346in STEEL POST W/ RIVETED CAP	14
Decks & Kick Plates			
2	ZZPM0618	1/2 HEX COATED DECK ASSEMBLY	12
3	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	12
ADA Items			
4	ZZPM0684	NUVO- 48in TRANSFER STATION	1
Slides			
5	ZZPM3126	GLIDE SLIDE (48in DECK)	1
6	ZZPM3206	SLITHER SLIDE 2.0 ENTRANCE & EXIT	1
7	ZZUN3007	30in ROUND STRAIGHT TUBE SECTION	2
8	ZZUN3009	30in ROUND RIGHT TUBE SECTION	24
9	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	3
10	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	4
11	ZZUN3246	SLITHER SLIDE 2.0 SUPPORT LEG 6ft-6in	1
12	ZZUN3249	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	1
SkyTower Slides			
13	ZZPM3004	CONTAINED TUBE SLIDE ENTRY/ EXIT	2
14	ZZUN3011	DO NOT CLIMB- SLIDE PANEL	2
15	ZZUN3474	CTR POST & SUPPORT ARMS FOR 15ft & 14ft SPIRAL TUBE SLIDE	2
Activity Panels			
16	ZZPM4290	STEERING WHEEL (POST MOUNT)	1
17	ZZPM4351	DISCO SPINNER	1
18	ZZPM4578	ANYWHERE SEAT	1
19	ZZPM4648	POST MOUNT SCAVENGER HUNT	1
SkyTower Barriers			
20	ZZPM4371	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- LEFT	4
21	ZZPM4372	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- RIGHT	5
22	ZZPM4383	HEX KALEIDO FILLER PANEL	6
23	ZZPM4384	HEX KALEIDO DOUBLE BARRIER	3
24	ZZPM4385	HEX KALEIDO TRIPLE BARRIER	3
25	ZZUN6729	CONTAINMENT LEVEL FILLER BRACKET	4
Climbers			
26	ZZPM6756	4ft GEO CLIMBER	1
27	ZZPM6996	GEO VERTICAL CLIMBER (48in DK)	1
28	ZZPM7006	GEO ARCH CLIMBER (48in DK)	1
29	ZZPM8110	BEANSTALK CLIMBER (48in DECK)	1
SkyTower Climbers			
30	ZZPM6730	KALEIDOCLIMBER	4
SkyTower Bridges			
31	ZZPM6380	KALEIDOCROSSING	2
Audible Activities			
32	ZZPM4467	GROUND TO GROUND BABBLE-ON	1

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Ref. No.	Part No.	Description	Quantity
33	ZZPM4557	8in BELL (POST MOUNT)	1
34	ZZPM4559	10in BELL (POST MOUNT)	1
Roofs & Arches			
35	ZZPM4451	KINETIC TOPPER- STRAIGHT CLAMPS	6
36	ZZPM9720	HEX TOWER CONTAINMENT ROOF	2
Additional Tool & Maintenance Kits			
37	ZZUN1471	INSTALLER HARDWARE KIT	1
38	ZZUN9910	SURFACING WARNING LABEL KIT	1
39	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
40	ZZXXGNGUIC	GENERAL INSTALLERS GUIDE	1

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Design Number: 500-2037 - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre- Consumer Recycled Content (lbs)	Post- Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZPM0392GZ	14	5in OD X 346in STEEL POST W/ RIVETED CAP	N/A	2,742.60			137	0	14.00	2.52	0
2	ZZPM0618	12	1/2 HEX COATED DECK ASSEMBLY	Certified	1,341.84			4,240	60	18.00	0.00	0
3	ZZUN2290	12	COATED DECK TO DECK CONNECTION KIT	Certified	3.48			46	0	6.00	0.00	0
4	ZZPM0684	1	NUVO- 48in TRANSFER STATION	Certified	389.40			418	3	4.00	0.12	0
5	ZZPM3126	1	GLIDE SLIDE (48in DECK)	Certified	131.54			517	2	1.50	0.03	1
6	ZZPM3206	1	SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	97.18			449	2	2.00	0.03	1
7	ZZUN3007	2	30in ROUND STRAIGHT TUBE SECTION	Certified	52.04			362	0	0.50	0.00	0
8	ZZUN3009	24	30in ROUND RIGHT TUBE SECTION	Certified	624.48			4,346	0	6.00	0.00	0
9	ZZUN3208	3	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	58.77			401	0	0.75	0.00	0
10	ZZUN3209	4	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	78.36			534	0	1.00	0.00	0
11	ZZUN3246	1	SLITHER SLIDE 2.0 SUPPORT LEG 6ft-6in	Certified	21.61			74	0	0.25	0.03	0
12	ZZUN3249	1	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	Certified	15.01			62	0	0.25	0.03	0
13	ZZPM3004	2	CONTAINED TUBE SLIDE ENTRY/ EXIT	N/A	377.00			TBD	4	4.00	0.06	2
14	ZZUN3011	2	DO NOT CLIMB- SLIDE PANEL	N/A	75.40			TBD	0	1.00	0.00	0
15	ZZUN3474	2	CTR POST & SUPPORT ARMS FOR 15ft & 14ft SPIRAL TUBE SLIDE	N/A	440.80			1,378	0	5.00	0.24	0
16	ZZPM4290	1	STEERING WHEEL (POST MOUNT)	Certified	8.67			47	1	0.25	0.00	1
17	ZZPM4351	1	DISCO SPINNER	Certified	16.00			TBD	1	0.50	0.00	1
18	ZZPM4578	1	ANYWHERE SEAT	Certified	32.35			93	1	0.25	0.00	1
19	ZZPM4648	1	POST MOUNT SCAVENGER HUNT	Certified	17.30			271	3	2.00	0.00	1
20	ZZPM4371	4	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- LEFT	N/A	259.20			TBD	0	4.00	0.00	0
21	ZZPM4372	5	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- RIGHT	N/A	324.00			TBD	0	5.00	0.00	0
22	ZZPM4383	6	HEX KALEIDO FILLER PANEL	N/A	251.40			TBD	0	9.00	0.00	0
23	ZZPM4384	3	HEX KALEIDO DOUBLE BARRIER	N/A	325.50			TBD	0	4.50	0.00	0
24	ZZPM4385	3	HEX KALEIDO TRIPLE BARRIER	N/A	360.90			TBD	0	6.00	0.00	0
25	ZZUN6729	4	CONTAINMENT LEVEL FILLER BRACKET	N/A	48.40			TBD	0	2.00	0.00	0



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26	ZZPM6756	1	4ft GEO CLIMBER	Certified	127.92			553	2	2.00	0.09	1
27	ZZPM6996	1	GEO VERTICAL CLIMBER (48in DK)	Certified	80.13			256	1	1.00	0.00	1
28	ZZPM7006	1	GEO ARCH CLIMBER (48in DK)	Certified	72.67			190	1	2.00	0.06	1
29	ZZPM8110	1	BEANSTALK CLIMBER (48in DECK)	Certified	88.61			338	2	1.50	0.03	1
30	ZZPM6730	4	KALEIDOCCLIMBER	N/A	1,639.60			TBD	8	8.00	0.00	4
31	ZZPM6380	2	KALEIDOCROSSING	N/A	833.00			TBD	6	4.00	0.00	2
32	ZZPM4467	1	GROUND TO GROUND BABBLE-ON	Certified	45.47			248	2	1.50	0.00	1
33	ZZPM4557	1	8in BELL (POST MOUNT)	Certified	5.47			45	1	0.25	0.00	1
34	ZZPM4559	1	10in BELL (POST MOUNT)	Certified	7.19			50	1	0.25	0.00	1
35	ZZPM4451	6	KINETIC TOPPER- STRAIGHT CLAMPS	N/A	317.40			TBD	0	18.00	0.00	0
36	ZZPM9720	2	HEX TOWER CONTAINMENT ROOF	N/A	453.20			TBD	0	4.00	0.00	0
37	ZZUN1471	1	INSTALLER HARDWARE KIT	N/A				57				
38	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
39	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
40	ZZXXGNGUIC	1	GENERAL INSTALLERS GUIDE	N/A				1				
Totals:					11,763.94	873	1,879	15,200	101	140.50	3.24	21
					5,293.77 Kg	393 Kg	846 Kg	15 Metric Tons	2.46 m3			



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Ref.	Unit	Total	Pre-	Post-	CO2e		Install	Concrete	Active
No. Part No.	ASTM	Weight	Consumer	Consumer	Footprint	Users	Hours	(Yds3)	Play
Qty. Description	Status	(lbs)	Recycled	Content	(kgs)				Events

ASTM F1487

The lay-out for this custom playscape, design number 500-2037, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, www.ipema.org. In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

2010 ADA Standards for Accessible Design

The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

Installation Times

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

Carbon Footprint

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification; PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

Pre-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

Post-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. **20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.

** The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.

