

350-1617

Equipment Manufacturer



350-1617



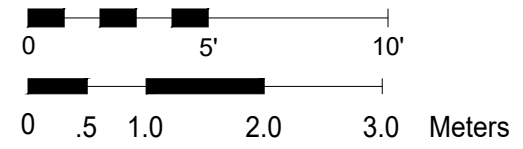
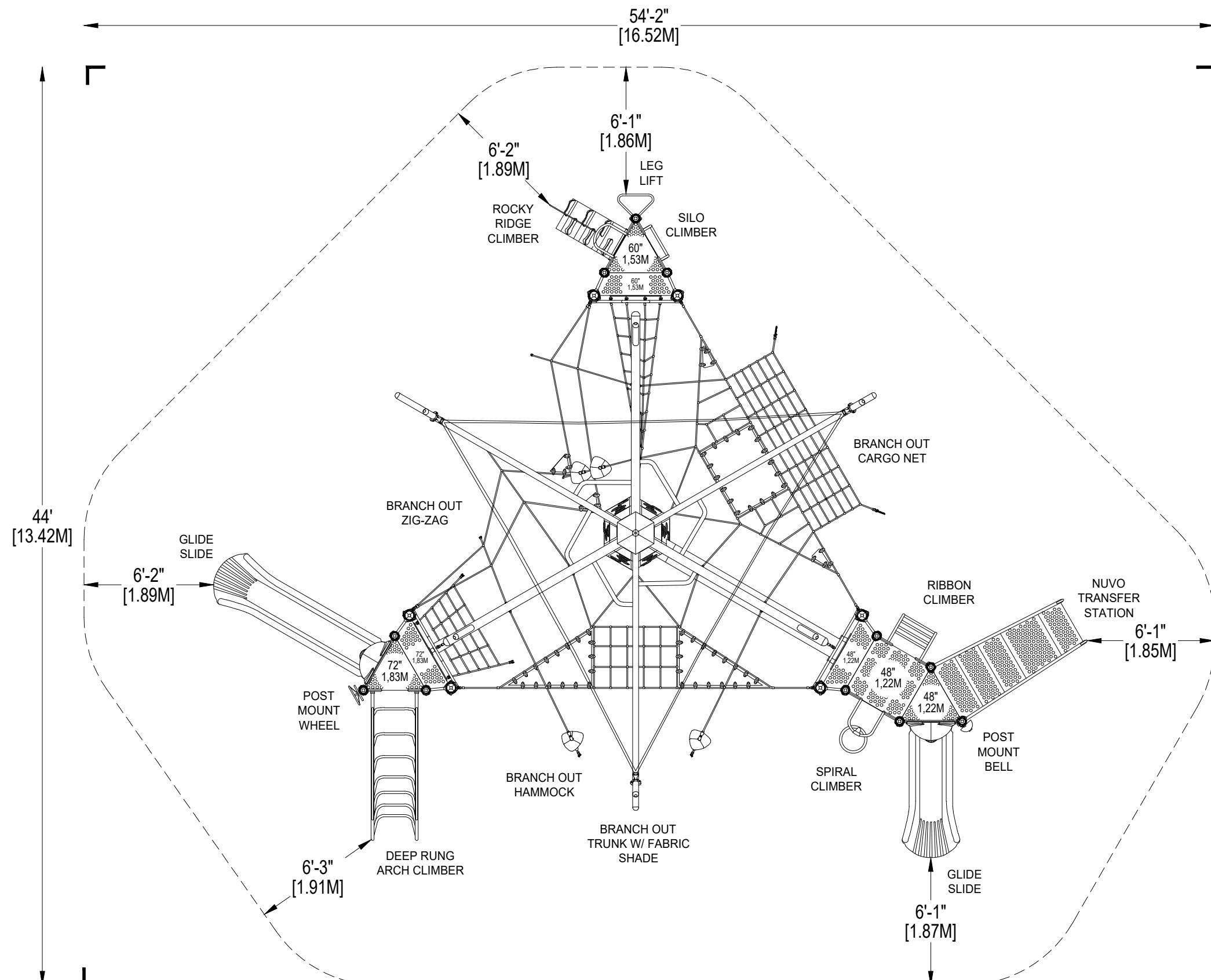
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*PLAYGROUND SUPERVISION REQUIRED



PLAYWORLD SYSTEMS, INC.
 1000 Buffalo Road
 Lewisburg, PA
 17837-9795 USA

EQUIPMENT SIZE:
41'11" x 31'10" x 16'3"
 12,78M x 9,7M x 4,95M

USE ZONE:
54'2" x 44'
 16,52M x 13,42M

AREA: **1,736 SqFt.** PERIMETER: **155 Ft.**
 161.27 SqM. 47,24M

FALL HEIGHT:
7 Ft.
 2,13M

USER CAPACITY: **66** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 8		
	Total Ground-Level Play Activities: 6		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	4	3	6
Provided	8	6	4

- ✓ ASTM F1487-11
- ✓ CPSC #325



PROJECT NO: 350-1617B	SCALE: 3/16"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
DATE: 09-FEB-18	

350-1617B
 CATALOG PRE-DESIGN

Tree of Life

Design Number: 350-1617B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	5
2	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	3
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	3
4	ZZPM0036GZ	5in OD X 144in STEEL POST (GROUND ZERO)	2
5	ZZPM0047GZ	5in x 156in GROUND ZERO POST - w/ CAP	2
6	ZZPM0056GZ	5in OD X 168in STEEL POST W/ CAP (GROUND ZERO)	2
Decks & Kick Plates			
7	ZZCH0616	SQUARE COATED DECK ASSEMBLY	1
8	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	3
9	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	4
10	ZZUN5898	CH/PM CONVERSION PLATFORM	3
ADA Items			
11	ZZCH0678	NUVO- 48in TRANSFER STATION	1
Slides			
12	ZZCH2696	GLIDE SLIDE (72in DECK)	1
13	ZZCH3126	GLIDE SLIDE (48in DECK)	1
Activity Panels			
14	ZZCH4290	POST MOUNTED STEERING WHEEL	1
Climbers			
15	ZZCH7430	DEEP RUNG ARCH CLIMBER (72in DECK)	1
16	ZZCH7956	SILO CLIMBER (60in DECK)	1
17	ZZCH7966	ROCKY RIDGE CLIMBER (60in DECK)	1
18	ZZCH8150	SPIRAL CLIMBER (48in DECK)	1
19	ZZCH8290	RIBBON CLIMBER (48in DECK)	1
20	ZZUN5890	BRANCH OUT TRUNK W/ FABRIC SHADE	1
21	ZZUN7896	BRANCH OUT HAMMOCK	1
22	ZZUN7897	BRANCH OUT CARGO NET	1
23	ZZUN7898	BRANCH OUT ZIG-ZAG	1
Overhead Events			
24	ZZCH5770	LEG LIFT	1
Audible Activities			
25	ZZCH4557	8in BELL (POST MOUNT)	1
Additional Tool & Maintenance Kits			
26	ZZCHGUID	CHALLENGER GUIDELINES	1
27	ZZUN9910	SURFACING WARNING LABEL KIT	1
28	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

Tree of Life

Design Number: 350-1617B - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZCH0028	5	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	217.55			293	0	5.00	0.63	0
2	ZZCH0038	3	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	141.33			190	0	3.00	0.38	0
3	ZZCH0048	3	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	150.63			204	0	3.00	0.38	0
4	ZZPM0036GZ	2	5in OD X 144in STEEL POST (GROUND ZERO)	Certified	160.82			235	0	3.00	0.36	0
5	ZZPM0047GZ	2	5in x 156in GROUND ZERO POST - w/ CAP	Certified	180.86			253	0	2.00	0.36	0
6	ZZPM0056GZ	2	5in OD X 168in STEEL POST W/ CAP (GROUND ZERO)	Certified	194.02			271	0	2.00	0.36	0
7	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86			174	3	1.00	0.00	0
8	ZZCH0617	3	TRIANGULAR COATED DECK ASSEMBLY	Certified	89.70			360	6	3.00	0.00	0
9	ZZUN2290	4	COATED DECK TO DECK CONNECTION KIT	Certified	1.16			15	0	2.00	0.00	0
10	ZZUN5898	3	CH/PM CONVERSION PLATFORM	Certified	178.35			674	3	6.00	0.00	0
11	ZZCH0678	1	NUVO- 48in TRANSFER STATION	Certified	299.54			563	3	3.50	0.12	0
12	ZZCH2696	1	GLIDE SLIDE (72in DECK)	Certified	151.63			653	2	2.00	0.03	1
13	ZZCH3126	1	GLIDE SLIDE (48in DECK)	Certified	119.73			492	2	2.00	0.03	1
14	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			44	1	0.25	0.00	1
15	ZZCH7430	1	DEEP RUNG ARCH CLIMBER (72in DECK)	Certified	111.06			218	2	2.00	0.06	1
16	ZZCH7956	1	SILO CLIMBER (60in DECK)	Certified	78.25			139	1	1.50	0.06	1
17	ZZCH7966	1	ROCKY RIDGE CLIMBER (60in DECK)	Certified	125.88			512	2	2.00	0.06	1
18	ZZCH8150	1	SPIRAL CLIMBER (48in DECK)	Certified	86.33			204	2	1.00	0.03	1
19	ZZCH8290	1	RIBBON CLIMBER (48in DECK)	Certified	38.72			110	2	1.50	0.06	1
20	ZZUN5890	1	BRANCH OUT TRUNK W/ FABRIC SHADE	Certified	2,454.21			9,446	14	32.00	5.35	6
21	ZZUN7896	1	BRANCH OUT HAMMOCK	Certified	122.56			2,637	8	3.00	0.28	1
22	ZZUN7897	1	BRANCH OUT CARGO NET	Certified	143.08			2,502	6	3.50	0.42	1
23	ZZUN7898	1	BRANCH OUT ZIG-ZAG	Certified	112.97			1,415	6	4.00	0.56	1
24	ZZCH5770	1	LEG LIFT	Certified	6.76			30	1	0.50	0.00	1



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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
25	ZZCH4557	1	8in BELL (POST MOUNT)	Certified	5.15			44	1	0.25	0.00	1
26	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
27	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
28	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					5,233.03	862	1,817	21,767	65	89.50	9.51	19
					2,354.86 Kg	388 Kg	818 Kg	22 Metric Tons				7.23 m3



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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
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ASTM F1487

The lay-out for this custom playscape, design number 350-1617B, 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.

