

Thicket

Equipment Manufacturer



500-1710

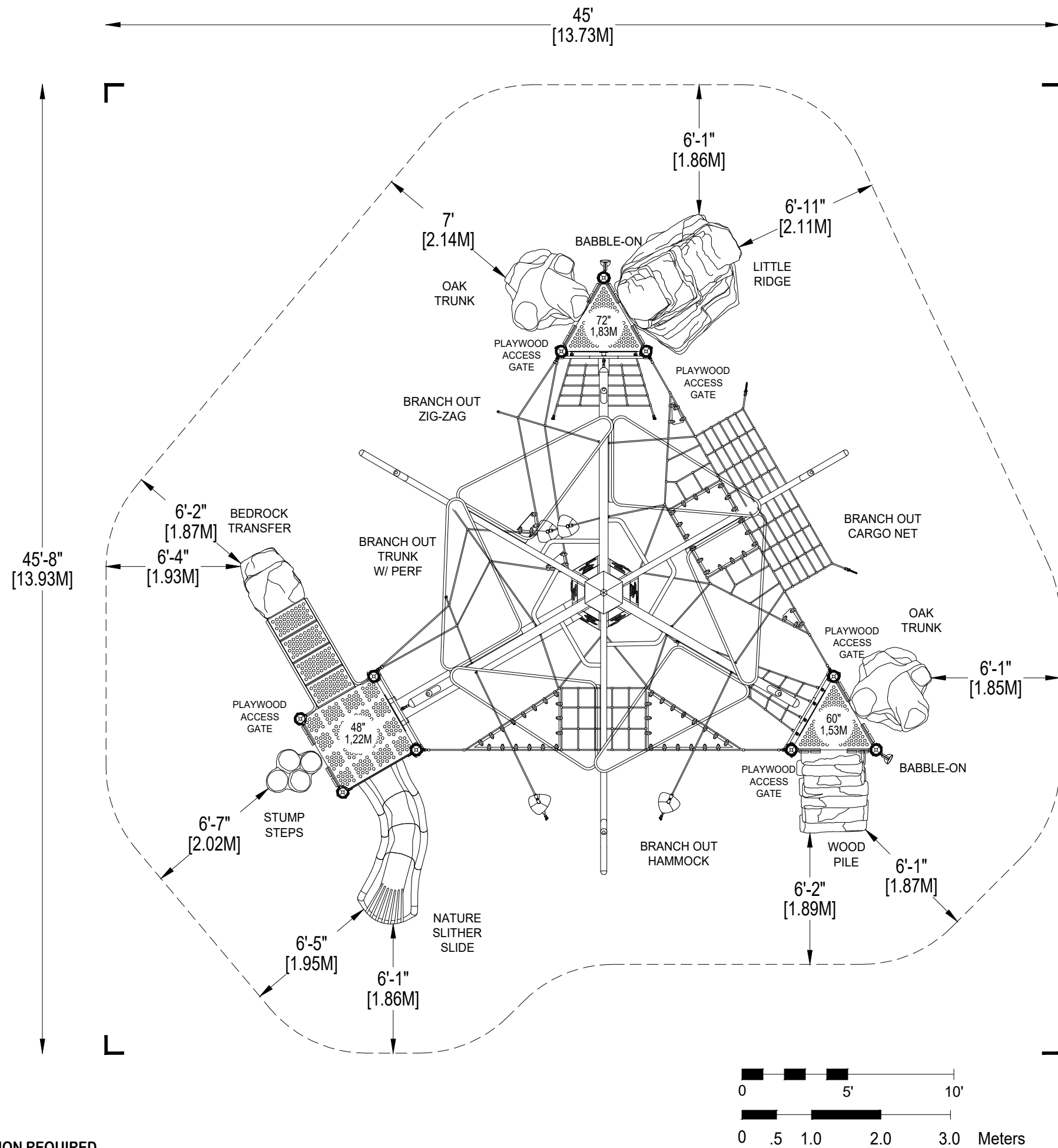


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*PLAYGROUND SUPERVISION REQUIRED



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

EQUIPMENT SIZE:
32'7" x 33'6" x 16'5"
 9,95M x 10,21M x 5,0M

USE ZONE:
45' x 45'8"
 13,73M x 13,93M

AREA: **1,553 SqFt.** PERIMETER: **147 Ft.**
 144,27 SqM. 44,81M

FALL HEIGHT:
7 Ft.
 2,13M

USER CAPACITY: **74** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 7		
	Total Ground-Level Play Activities: 4		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	4	2	2
Provided	7	4	2

- ✓ ASTM F1487-17
- ✓ CPSC #325



PROJECT NO: 500-1710A	SCALE: 3/16"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
DATE: 20-DEC-17	

THICKET
 CATALOG PRE-DESIGN

Thicket

Design Number: 500-1710A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZPM0026	5in OD X 132in STEEL POST W/ RIVETED CAP	2
2	ZZPM0036	5in OD X 144in STEEL POST W/ RIVETED CAP	1
3	ZZPM0036GZ	5in OD X 144in STEEL POST (GROUND ZERO)	2
4	ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	1
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	ZZPM0616	SQUARE COATED DECK ASSEMBLY	1
8	ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	2
ADA Items			
9	ZZPM8819	BEDROCK TRANSFER- 48in BARRIER	1
Slides			
10	ZZPM3186	NATURE SLITHER SLIDE ENTRY/ EXIT	1
11	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	2
Barriers			
12	ZZPM4658	PLAYWOOD ACCESS GATES	5
Climbers			
13	ZZUN5896	BRANCH OUT TRUNK W/ PERFORATED STEEL CANOPY	1
14	ZZUN7896	BRANCH OUT HAMMOCK	1
15	ZZUN7897	BRANCH OUT CARGO NET	1
16	ZZUN7898	BRANCH OUT ZIG-ZAG	1
17	ZZUN8804	WOOD PILE	1
18	ZZUN8805	STUMP CLIMBER	1
19	ZZUN8806	OAK TRUNK	2
20	ZZUN8815	LITTLE RIDGE	1
Audible Activities			
21	ZZPM4467	GROUND TO GROUND BABBLE-ON	1
Additional Tool & Maintenance Kits			
22	ZZPMGUID	PLAYMAKER GUIDELINES	1
23	ZZUN9910	SURFACING WARNING LABEL KIT	1
24	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

Thicket

Design Number: 500-1710A - 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	ZZPM0026	2	5in OD X 132in STEEL POST W/ RIVETED CAP	Certified	148.42			217	0	2.00	0.24	0
2	ZZPM0036	1	5in OD X 144in STEEL POST W/ RIVETED CAP	Certified	80.91			117	0	1.00	0.13	0
3	ZZPM0036GZ	2	5in OD X 144in STEEL POST (GROUND ZERO)	Certified	160.82			235	0	3.00	0.36	0
4	ZZPM0046	1	5in OD X 156in STEEL POST W/ RIVETED CAP	Certified	87.71			126	0	1.00	0.13	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	ZZPM0616	1	SQUARE COATED DECK ASSEMBLY	Certified	90.36			221	4	1.00	0.00	0
8	ZZPM0617	2	TRIANGULAR COATED DECK ASSEMBLY	Certified	92.80			339	4	2.00	0.00	0
9	ZZPM8819	1	BEDROCK TRANSFER- 48in BARRIER	Certified	949.39			2,967	3	3.50	0.22	1
10	ZZPM3186	1	NATURE SLITHER SLIDE ENTRY/ EXIT	Certified	97.89			671	2	2.00	0.03	1
11	ZZUN3208	2	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	39.18			267	0	0.50	0.00	0
12	ZZPM4658	5	PLAYWOOD ACCESS GATES	Certified	293.30			484	0	2.50	0.00	0
13	ZZUN5896	1	BRANCH OUT TRUNK W/ PERFORATED STEEL CANOPY	Certified	2,929.42			8,652	14	32.00	5.35	6
14	ZZUN7896	1	BRANCH OUT HAMMOCK	Certified	122.56			2,637	8	3.00	0.28	1
15	ZZUN7897	1	BRANCH OUT CARGO NET	Certified	143.08			2,502	6	3.50	0.42	1
16	ZZUN7898	1	BRANCH OUT ZIG-ZAG	Certified	112.97			1,415	6	4.00	0.56	1
17	ZZUN8804	1	WOOD PILE	Certified	1,320.01			4,032	4	2.00	0.40	1
18	ZZUN8805	1	STUMP CLIMBER	Certified	990.01			3,371	3	2.00	0.14	1
19	ZZUN8806	2	OAK TRUNK	Certified	6,600.02			14,648	12	4.00	1.24	2
20	ZZUN8815	1	LITTLE RIDGE	N/A	3,850.01			7,450	6	3.00	1.15	1
21	ZZPM4467	1	GROUND TO GROUND BABBLE-ON	Certified	45.47			248	2	1.50	0.00	1
22	ZZPMGUID	1	PLAYMAKER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
23	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0



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24	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					18,529.26	976	1,811	51,213	74	78.00	11.37	17
					8,338.17 Kg	439 Kg	815 Kg	51 Metric Tons				8.64 m3



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ASTM F1487

The lay-out for this custom playscape, design number 500-1710A, 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.

