

Sanctuary

Equipment Manufacturer



500-1613

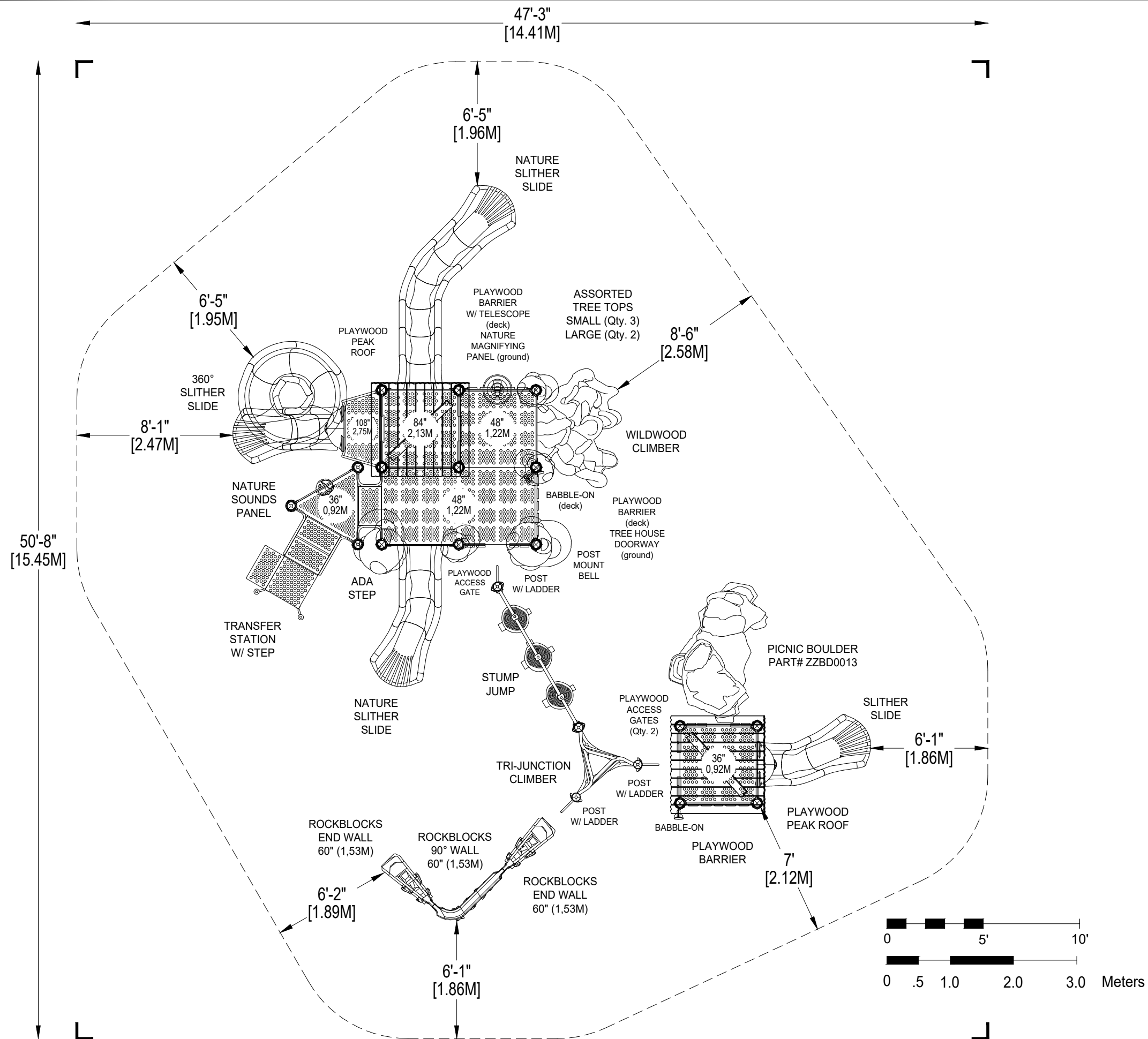


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*PLAYGROUND SUPERVISION REQUIRED



PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

EQUIPMENT SIZE:

33'-1" x 38'-2" x 18'-5"

10,08M x 11,63M x 5,61M

USE ZONE:

47'-3" x 50'-8"

14,41M x 15,45M

AREA:

1684 SqFt.

156,45 SqM.

PERIMETER:

152 Ft.

46,33M

FALL HEIGHT:

9 Ft.

2,74M

USER CAPACITY:

72

AGE GROUP:

5-12

ADA SCHEDULE	Total Elevated Play Activities: 12		
	Total Ground-Level Play Activities: 4		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	6	4	3
Provided	6	4	3

✓ ASTM F1487-11

✓ CPSC #325



PROJECT NO:

500-1613B

SCALE:

3/16"=1'-0"

DRAWN BY:

M. MERTZ

Paper Size

B

DATE:

09-FEB-18

SANCTUARY
CATALOG PRE-DESIGN

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Design Number: 500-1613B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZPM0016	5in OD X 120in STEEL POST W/ RIVETED CAP	3
2	ZZPM0036GZ	5in OD X 144in STEEL POST (GROUND ZERO)	1
3	ZZPM0057	5in OD X 168in STEEL POST W/O CAP	2
4	ZZPM0067	5in OD X 180in STEEL POST W/O CAP	2
5	ZZPM0129	5in OD x 192in STEEL POST W/O CAP	1
6	ZZPM0228	5in OD x 140in SWAGED STEEL POST	4
7	ZZPM0277	5in OD x 213in SWAGED STEEL POST	4
Decks & Kick Plates			
8	ZZPM0616	SQUARE COATED DECK ASSEMBLY	3
9	ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	1
10	ZZPM0629	LONG COATED DECK ASSEMBLY	1
11	ZZPM6170	36in KICKPLATE INFILL	1
12	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	1
ADA Items			
13	ZZPM2007	TRANSFER STATION w/TALL GUARDRAIL (36in DECK)	1
14	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
15	ZZPM3186	NATURE SLITHER SLIDE ENTRY/ EXIT	2
16	ZZPM3206	SLITHER SLIDE 2.0 ENTRANCE & EXIT	1
17	ZZPM3216	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	1
18	ZZUN3207	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	5
19	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	3
20	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	1
21	ZZUN3217	SLITHER SLIDE 2.0 (RIGHT 120° SECTION)	3
22	ZZUN3247	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	1
23	ZZUN3248	SLITHER SLIDE 2.0 SUPPORT LEG 4ft-6in	1
24	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	2
Activity Panels			
25	ZZPM4627	MAGNIFYING PLAY PANEL	1
26	ZZPM4636	NATURE SOUNDS PANEL	1
27	ZZPM4639	TREE HOUSE DOORWAY (GROUND LEVEL)	1
28	ZZUN4449	PLAYWOOD TELESCOPE	1
Barriers			
29	ZZPM4658	PLAYWOOD ACCESS GATES	3
30	ZZPM4659	PLAYWOOD WALL BARRIER	4
Climbers			
31	ZZPM6190	24in DECK TO DECK CLIMBER	1
32	ZZPM6210	36in DECK TO DECK CLIMBER	1
33	ZZPM6839	THE WILDWOOD CLIMBER (48n DK)	1
34	ZZUN0178	ROCKBLOCKS END SUPPORT (60in WALL)	2
35	ZZUN8359	ROCKBLOCKS 90 DEGREE WALL (60in)	1
36	ZZUN8360	ROCKBLOCKS END WALL (60in)	2

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Design Number: 500-1613B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Ground Zer0 Climbers			
37	ZZPM0297	POST W/ LADDER CLIMBER (36in OR 48in DECK)	3
38	ZZPM8390	THE STUMP JUMP	1
39	ZZPM9079	TRI JUNCTION	1
Audible Activities			
40	ZZPM4469	GROUND TO DECK BABBLE-ON (48in DECK)	1
41	ZZPM4557	8in BELL (POST MOUNT)	1
Roofs & Arches			
42	ZZPM9616	PLAYWOOD SINGLE SLANT ROOF	2
43	ZZPM9806	SMALL TREE TOPPER	3
44	ZZPM9807	LARGE TREE TOPPER	2
Stairs and Ladders			
45	ZZPM9168	12in ACCESSIBLE STEPPED PLATFORM (DECK TO DECK)	1
Additional Tool & Maintenance Kits			
46	ZZPMGUID	PLAYMAKER GUIDELINES	1
47	ZZUN9910	SURFACING WARNING LABEL KIT	1
48	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

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Design Number: 500-1613B - 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	ZZPM0016	3	5in OD X 120in STEEL POST W/ RIVETED CAP	Certified	201.33			298	0	3.00	0.39	0
2	ZZPM0036GZ	1	5in OD X 144in STEEL POST (GROUND ZERO)	Certified	80.41			117	0	1.50	0.18	0
3	ZZPM0057	2	5in OD X 168in STEEL POST W/O CAP	Certified	183.62			253	0	2.00	0.26	0
4	ZZPM0067	2	5in OD X 180in STEEL POST W/O CAP	Certified	199.82			271	0	2.00	0.26	0
5	ZZPM0129	1	5in OD x 192in STEEL POST W/O CAP	Certified	105.41			145	0	1.00	0.12	0
6	ZZPM0228	4	5in OD x 140in SWAGED STEEL POST	Certified	248.84			434	0	4.00	0.48	0
7	ZZPM0277	4	5in OD x 213in SWAGED STEEL POST	Certified	452.04			690	0	4.00	0.48	0
8	ZZPM0616	3	SQUARE COATED DECK ASSEMBLY	Certified	271.08			662	12	3.00	0.00	0
9	ZZPM0617	1	TRIANGULAR COATED DECK ASSEMBLY	Certified	46.40			169	2	1.00	0.00	0
10	ZZPM0629	1	LONG COATED DECK ASSEMBLY	Certified	176.99			408	6	2.00	0.00	0
11	ZZPM6170	1	36in KICKPLATE INFILL	Certified	50.46			67	0	0.25	0.00	0
12	ZZUN2290	1	COATED DECK TO DECK CONNECTION KIT	Certified	0.29			4	0	0.50	0.00	0
13	ZZPM2007	1	TRANSFER STATION w/TALL GUARDRAIL (36in DECK)	Certified	155.24			329	2	2.00	0.09	0
14	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
15	ZZPM3186	2	NATURE SLITHER SLIDE ENTRY/ EXIT	Certified	195.78			1,342	4	4.00	0.06	2
16	ZZPM3206	1	SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	97.18			449	2	2.00	0.03	1
17	ZZPM3216	1	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	Certified	166.60			648	2	2.50	0.03	1
18	ZZUN3207	5	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	97.95			641	0	1.25	0.00	0
19	ZZUN3208	3	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	58.77			401	0	0.75	0.00	0
20	ZZUN3209	1	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	19.59			134	0	0.25	0.00	0
21	ZZUN3217	3	SLITHER SLIDE 2.0 (RIGHT 120° SECTION)	Certified	125.04			695	0	0.75	0.00	0
22	ZZUN3247	1	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	Certified	19.41			70	0	0.25	0.03	0
23	ZZUN3248	1	SLITHER SLIDE 2.0 SUPPORT LEG 4ft-6in	Certified	17.21			66	0	0.25	0.03	0
24	ZZUN3256	2	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	25.62			118	0	0.50	0.06	0
25	ZZPM4627	1	MAGNIFYING PLAY PANEL	Certified	49.08			495	2	0.50	0.00	1
26	ZZPM4636	1	NATURE SOUNDS PANEL	Certified	31.47			1,064	2	0.50	0.00	1



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27	ZZPM4639	1	TREE HOUSE DOORWAY (GROUND LEVEL)	Certified	36.51			353	2	0.50	0.00	1
28	ZZUN4449	1	PLAYWOOD TELESCOPE	Certified	11.81			62	1	0.50	0.00	1
29	ZZPM4658	3	PLAYWOOD ACCESS GATES	Certified	175.98			290	0	1.50	0.00	0
30	ZZPM4659	4	PLAYWOOD WALL BARRIER	Certified	237.20			408	0	2.00	0.00	0
31	ZZPM6190	1	24in DECK TO DECK CLIMBER	Certified	64.56			178	1	1.00	0.00	1
32	ZZPM6210	1	36in DECK TO DECK CLIMBER	Certified	81.88			200	1	1.00	0.00	1
33	ZZPM6839	1	THE WILDWOOD CLIMBER (48n DK)	Certified	181.96			900	6	2.50	0.09	1
34	ZZUN0178	2	ROCKBLOCKS END SUPPORT (60in WALL)	Certified	61.24			91	0	2.00	0.26	0
35	ZZUN8359	1	ROCKBLOCKS 90 DEGREE WALL (60in)	Certified	82.72			572	4	0.50	0.00	1
36	ZZUN8360	2	ROCKBLOCKS END WALL (60in)	Certified	152.26			810	4	2.00	0.26	2
37	ZZBD0013	1	PICNIC BOULDER	Certified	3,600.00			2,887	5	2.00	0.00	1
38	ZZPM0297	3	POST W/ LADDER CLIMBER (36in OR 48in DECK)	Certified	224.43			394	3	1.50	0.39	3
39	ZZPM8390	1	THE STUMP JUMP	Certified	199.30			715	3	2.75	0.09	1
40	ZZPM9079	1	TRI JUNCTION	Certified	95.38			268	3	0.50	0.00	1
41	ZZPM4469	1	GROUND TO DECK BABBLE-ON (48in DECK)	Certified	50.52			255	2	1.50	0.00	1
42	ZZPM4557	1	8in BELL (POST MOUNT)	Certified	5.47			45	1	0.25	0.00	1
43	ZZPM9616	2	PLAYWOOD SINGLE SLANT ROOF	Certified	516.50			509	0	4.00	0.00	0
44	ZZPM9806	3	SMALL TREE TOPPER	Certified	42.18			276	0	1.50	0.00	0
45	ZZPM9807	2	LARGE TREE TOPPER	Certified	60.06			318	0	1.00	0.00	0
46	ZZPM9168	1	12in ACCESSIBLE STEPPED PLATFORM (DECK TO DECK)	Certified	94.46			345	1	1.50	0.00	0
47	ZZPMGUID	1	PLAYMAKER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
48	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
49	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					9,085.93	1,044	1,438	20,005	72	71.25	3.63	22
					4,088.67 Kg	470 Kg	647 Kg	20 Metric Tons			2.76 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 500-1613B, 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.

