Wilderness Trail

350-1708

Equipment Manufacturer

PLAYWORLD
The world needs play.

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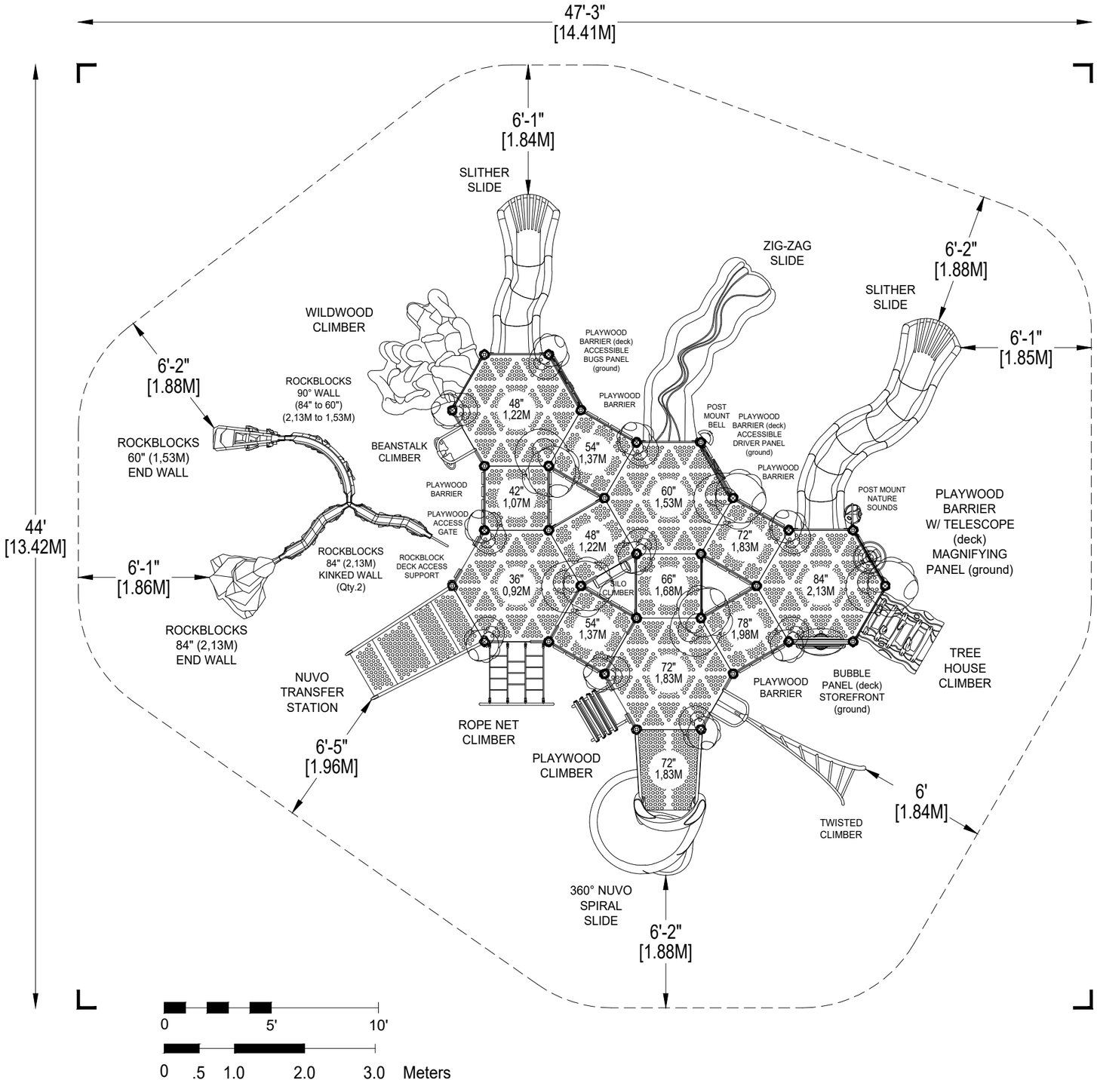


*PLAYGROUND SUPERVISION REQUIRED

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

EQUIPMENT SIZE:
35'1" x 31'9" x 15'6"
10,69M x 9,68M x 4,72M

USE ZONE:
47'3" x 44'0"
14,41M x 13,42M

AREA:	PERIMETER:
1584 SqFt.	**146 Ft.**
147,16 SqM.	44,5M

FALL HEIGHT:
7 Ft.
2,13M

USER CAPACITY:	AGE GROUP:
113	**5-12**

ADA SCHEDULE

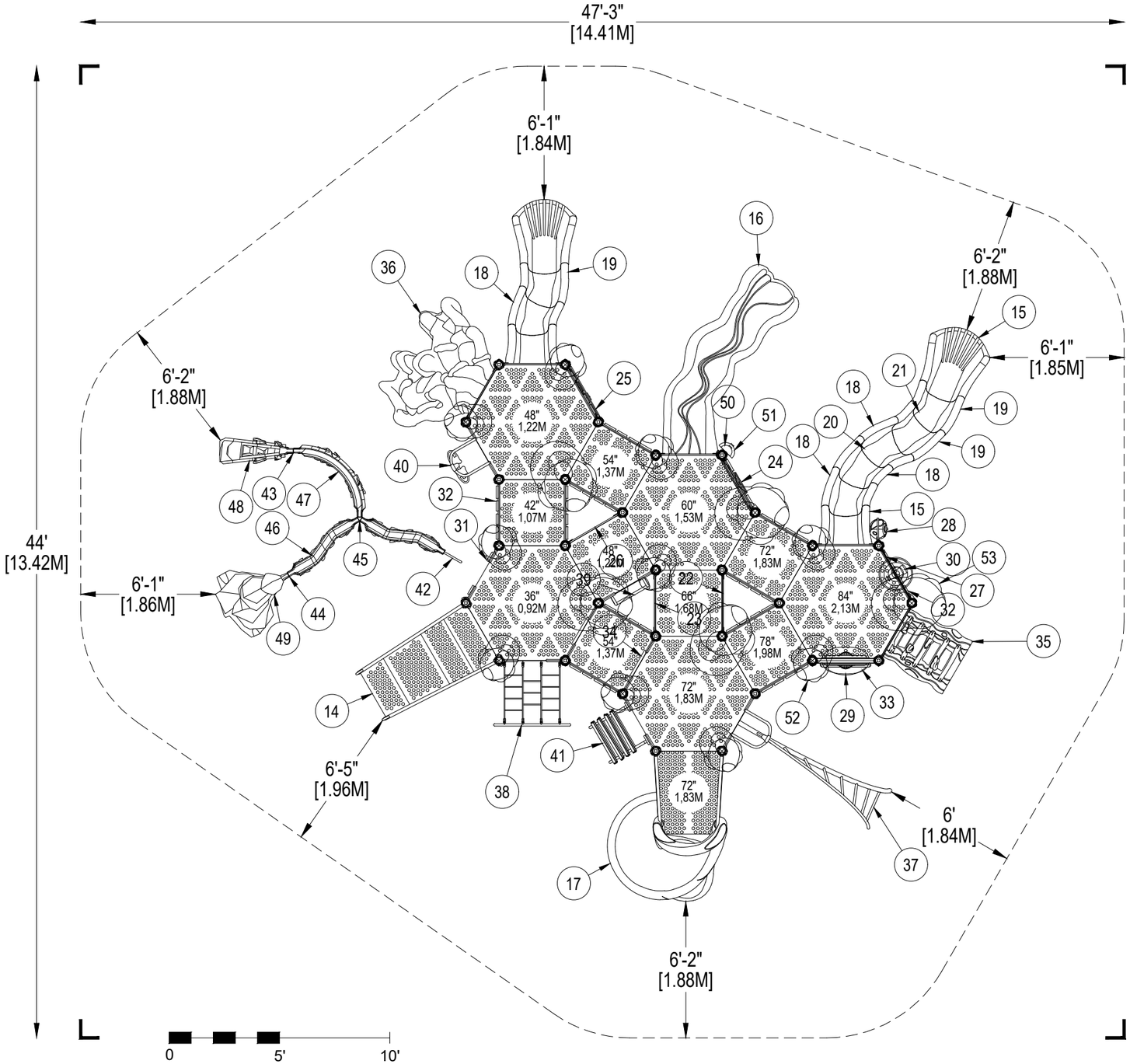
	Total Elevated Play Activities: 18		
	Total Ground-Level Play Activities: 7		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	9	6	3
Provided	16	7	5

✓ ASTM F1487-17
✓ CPSC #325

PROJECT NO:	SCALE:
350-1708A	**3/16"=1'-0"**
DRAWN BY: **M. MERTZ**	Paper Size **B**
DATE: **20-DEC-17**	

WILDERNESS TRAIL

CATALOG PRE-DESIGN



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WILDERNESS TRAIL

CATALOG PRE-DESIGN

Wilderness Trail

Design Number: 350-1708A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
	Posts		
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	1
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	3
3	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	4
4	ZZCH0039	3.5in OD x 148in STEEL POST W/O CAP	1
5	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	3
6	ZZCH0049	3.5in OD x 160in STEEL POST W/O CAP	3
7	ZZCH0058	3.5in OD x 172in STEEL POST W/RIVETED CAP	4
8	ZZCH0059	3.5in OD x 172in STEEL POST W/O CAP	3
9	ZZCH0069	3.5in OD x 184in STEEL POST W/O CAP	4
10	ZZCH0077	3.5in OD x 200in STEEL POST W/O CAP	4
	Decks & Kick Plates		
11	ZZCH0616	SQUARE COATED DECK ASSEMBLY	7
12	zzCH0619	FULL HEX COATED DECK ASSEMBLY	5
13	ZZCH2530	12in DECK TO DECK KICK PLATE	4
	ADA Items		
14	ZZCH0679	NUVO- 36in TRANSFER STATION	1
	Slides		
15	ZZCH3186	NATURE SLITHER SLIDE ENTRY/ EXIT	2
16	ZZCH3236	ZIGZAG SLIDE (60in DECK)	1
17	ZZCH3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
18	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	4
19	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	3
20	ZZUN3248	SLITHER SLIDE 2.0 SUPPORT LEG 4ft-6in	1
21	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	1
	Activity Panels		
22	ZZCH4318	FIND THE WAY HOME PANEL	1
23	ZZCH4328	ANIMAL LOCATOR PANEL	1
24	ZZCH4406	ACCESSIBLE DRIVING PANEL	1
25	ZZCH4408	ACCESSIBLE BUGS PANEL	1
26	ZZCH4548	NATURE HUNT PANEL (DECK LEVEL)	1
27	ZZCH4627	MAGNIFYING PLAY PANEL	1
28	ZZCH4638	NATURE SOUNDS POST MOUNT PANEL	1
29	ZZCH4646	STORE FRONT PANEL	1
30	ZZCH4807	OVAL INSERT PANEL (DECK MOUNT)	1
31	ZZUN4449	PLAYWOOD TELESCOPE	1
32	ZZUN4796	OVAL BUBBLE PANEL INSERT	1
	Barriers		
33	ZZCH4658	PLAYWOOD ACCESS GATES	1
34	ZZCH4659	PLAYWOOD WALL BARRIER	13
	Climbers		
35	ZZCH6180	18in DECK TO DECK CLIMBER	2
36	ZZCH6819	TREE HOUSE CLIMBER (84in DECK)	1

Wilderness Trail

Design Number: 350-1708A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
37	ZZCH6839	THE WILDWOOD CLIMBER (48in DK)	1
38	ZZCH7160	6ft TWISTED CLIMBER	1
39	ZZCH7226	ROPE CLIMBER (36in DECK)	1
40	ZZCH7950	SILO CLIMBER (48in DECK)	1
41	ZZCH8110	BEANSTALK CLIMBER (48in DECK)	1
42	ZZCH8258	72in PLAYWOOD CLIMBER	1
43	ZZUN0167	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	1
44	ZZUN0176	ROCKBLOCKS Z SUPPORT (60in WALL)	1
45	ZZUN0177	ROCKBLOCKS Z SUPPORT (84in WALL)	1
46	ZZUN0186	ROCKBLOCKS TRI SUPPORT (84in WALL)	1
47	ZZUN8357	ROCKBLOCKS KINKED WALL (84in)	2
48	ZZUN8358	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	1
49	ZZUN8360	ROCKBLOCKS END WALL (60in)	1
	Ground Zer0 Climbers		
50	ZZUN8236	ROCKBLOCKS END WALL (84in)	1
	Audible Activities		
51	ZZCH4556	7in BELL (POST MOUNT)	1
52	ZZCH4559	10in BELL (POST MOUNT)	1
	Roofs & Arches		
53	ZZCH9806	SMALL TREE TOPPER	10
54	ZZCH9807	LARGE TREE TOPPER	5
	Additional Tool & Maintenance Kits		
55	ZZCHGUID	CHALLENGER GUIDELINES	1
56	ZZUN9910	SURFACING WARNING LABEL KIT	1
57	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

Wilderness Trail

Design Number: 350-1708A - Compliance and Technical Data
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre- Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZCH0018	1	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	38.91		54	0	1.00	0.13	0
2	ZZCH0028	3	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	130.53		176	0	3.00	0.38	0
3	ZZCH0038	4	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	188.44		253	0	4.00	0.50	0
4	ZZCH0039	1	3.5in OD x 148in STEEL POST W/O CAP	Certified	46.21		59	0	1.00	0.13	0
5	ZZCH0048	3	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	150.63		204	0	3.00	0.38	0
6	ZZCH0049	3	3.5in OD x 160in STEEL POST W/O CAP	Certified	149.73		191	0	3.00	0.38	0
7	ZZCH0058	4	3.5in OD x 172in STEEL POST W/RIVETED CAP	Certified	208.04		291	0	4.00	0.50	0
8	ZZCH0059	3	3.5in OD x 172in STEEL POST W/O CAP	Certified	154.83		205	0	3.00	0.38	0
9	ZZCH0069	4	3.5in OD x 184in STEEL POST W/O CAP	Certified	226.84		292	0	4.00	0.50	0
10	ZZCH0077	4	3.5in OD x 200in STEEL POST W/O CAP	Certified	244.04		317	0	4.00	0.50	0
11	ZZCH0616	7	SQUARE COATED DECK ASSEMBLY	Certified	384.02		1,217	21	7.00	0.00	0
12	zzCH0619	5	FULL HEX COATED DECK ASSEMBLY	Certified	756.30		2,220	30	7.50	0.00	0
13	ZZCH2530	4	12in DECK TO DECK KICK PLATE	Certified	35.40		66	0	2.00	0.00	0
14	ZZCH0679	1	NUVO- 36in TRANSFER STATION	Certified	239.72		418	2	3.50	0.12	0
15	ZZCH3186	2	NATURE SLITHER SLIDE ENTRY/ EXIT	Certified	169.02		1,182	4	4.00	0.06	2
16	ZZCH3236	1	ZIGZAG SLIDE (60in DECK)	Certified	153.73		679	2	2.00	0.03	1
17	ZZCH3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	Certified	650.00		1,417	2	6.00	0.15	1
18	ZZUN3208	4	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	78.36		534	0	1.00	0.00	0
19	ZZUN3209	3	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	58.77		401	0	0.75	0.00	0
20	ZZUN3248	1	SLITHER SLIDE 2.0 SUPPORT LEG 4ft-6in	Certified	17.21		66	0	0.25	0.03	0
21	ZZUN3256	1	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	12.81		59	0	0.25	0.03	0
22	ZZCH4318	1	FIND THE WAY HOME PANEL	Certified	39.22		267	1	0.50	0.00	1
23	ZZCH4328	1	ANIMAL LOCATOR PANEL	Certified	47.77		329	1	0.50	0.00	1
24	ZZCH4406	1	ACCESSIBLE DRIVING PANEL	Certified	24.07		202	1	0.50	0.00	1

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25	ZZCH4408	1	ACCESSIBLE BUGS PANEL	Certified	33.49			234	1	1.00	0.00	1
26	ZZCH4548	1	NATURE HUNT PANEL (DECK LEVEL)	Certified	38.93			384	2	2.00	0.00	1
27	ZZCH4627	1	MAGNIFYING PLAY PANEL	Certified	34.66			426	2	0.50	0.00	1
28	ZZCH4638	1	NATURE SOUNDS POST MOUNT PANEL	Certified	30.03			738	1	0.50	0.00	1
29	ZZCH4646	1	STORE FRONT PANEL	Certified	33.98			243	3	1.00	0.00	1
30	ZZCH4807	1	OVAL INSERT PANEL (DECK MOUNT)	Certified	28.16			211	0	0.50	0.00	0
31	ZZUN4449	1	PLAYWOOD TELESCOPE	Certified	11.81			62	1	0.50	0.00	1
32	ZZUN4796	1	OVAL BUBBLE PANEL INSERT	Certified	5.87			114	0	0.50	0.00	0
33	ZZCH4658	1	PLAYWOOD ACCESS GATES	Certified	33.44			75	0	0.50	0.00	0
34	ZZCH4659	13	PLAYWOOD WALL BARRIER	Certified	613.86			1,108	0	6.50	0.00	0
35	ZZCH6180	2	18in DECK TO DECK CLIMBER	Certified	73.68			261	2	2.00	0.00	2
36	ZZCH6819	1	TREE HOUSE CLIMBER (84in DECK)	Certified	142.94			902	2	2.00	0.06	1
37	ZZCH6839	1	THE WILDWOOD CLIMBER (48in DK)	Certified	168.30			820	6	2.50	0.09	1
38	ZZCH7160	1	6ft TWISTED CLIMBER	Certified	117.65			241	2	2.00	0.60	1
39	ZZCH7226	1	ROPE CLIMBER (36in DECK)	Certified	45.26			1,375	2	2.00	0.06	1
40	ZZCH7950	1	SILO CLIMBER (48in DECK)	Certified	74.18			134	1	1.50	0.06	1
41	ZZCH8110	1	BEANSTALK CLIMBER (48in DECK)	Certified	77.27			323	2	1.50	0.03	1
42	ZZCH8258	1	72in PLAYWOOD CLIMBER	Certified	81.68			138	2	2.00	0.06	1
43	ZZUN0167	1	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	Certified	43.86			70	1	1.00	0.13	1
44	ZZUN0176	1	ROCKBLOCKS Z SUPPORT (60in WALL)	Certified	31.01			44	0	1.00	0.13	0
45	ZZUN0177	1	ROCKBLOCKS Z SUPPORT (84in WALL)	Certified	39.41			56	0	1.00	0.13	0
46	ZZUN0186	1	ROCKBLOCKS TRI SUPPORT (84in WALL)	Certified	115.55			176	0	1.00	0.12	0
47	ZZUN8357	2	ROCKBLOCKS KINKED WALL (84in)	Certified	214.14			1,528	8	1.00	0.00	2
48	ZZUN8358	1	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	Certified	119.07			824	4	0.50	0.00	1
49	ZZUN8360	1	ROCKBLOCKS END WALL (60in)	Certified	76.13			405	2	1.00	0.13	1
50	ZZUN8236	1	ROCKBLOCKS END WALL (84in)	Certified	103.89			551	3	1.00	0.13	1

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51	ZZCH4556	1	7in BELL (POST MOUNT)	Certified	4.61			41	1	0.25	0.00	1
52	ZZCH4559	1	10in BELL (POST MOUNT)	Certified	6.87			49	1	0.25	0.00	1
53	ZZCH9806	10	SMALL TREE TOPPER	Certified	140.60			919	0	5.00	0.00	0
54	ZZCH9807	5	LARGE TREE TOPPER	Certified	150.15			795	0	2.50	0.00	0
55	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
56	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
57	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
				Totals:	**6,895.13**	**1,137**	**1,595**	**24,433**	**113**	**110.75**	**5.90**	**30**
					3,102.81 Kg	**512 Kg**	**718 Kg**	**24 Metric Tons**			**4.48 m3**	

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ASTM F1487

The lay-out for this custom playscape, design number 350-1708A, 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.