

Woodland Manor

Equipment Manufacturer



350-1713



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PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

EQUIPMENT SIZE:

39'0" x 23'4" x 14'2"

11,89M x 7,11M x 4,32M

USE ZONE:

51'6" x 35'6"

15,71M x 10,83M

AREA:

1,520 SqFt.

141,21 SqM.

PERIMETER:

147 Ft.

44,81M

FALL HEIGHT:

6'5"

1,98M

USER CAPACITY:

73

AGE GROUP:

5-12

ADA SCHEDULE	Total Elevated Play Activities: 13		
	Total Ground-Level Play Activities: 5		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	7	4	3
Provided	13	5	5

✓ ASTM F1487-17

✓ CPSC #325



PROJECT NO:

350-1713A

SCALE:

3/16"=1'-0"

DRAWN BY:

M. MERTZ

Paper Size

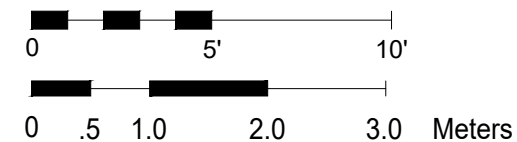
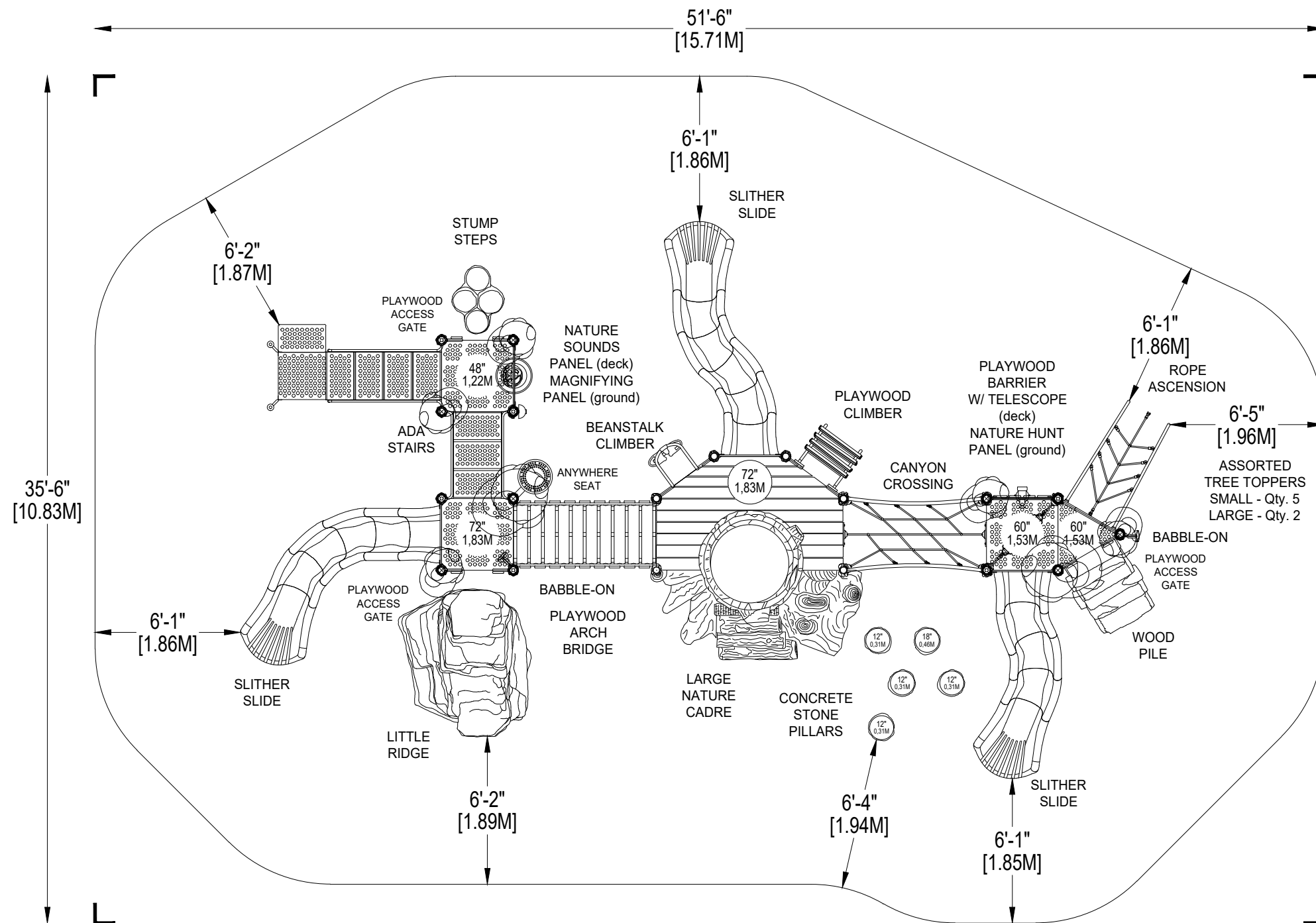
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DATE:

20-DEC-17

WOODLAND MANOR

CATALOG PRE-DESIGN



*PLAYGROUND SUPERVISION REQUIRED

Woodland Manor

Design Number: 350-1713A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	2
2	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	2
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	2
4	ZZCH0049	3.5in OD x 160in STEEL POST W/O CAP	1
5	ZZCH0059	3.5in OD x 172in STEEL POST W/O CAP	3
6	ZZCH0069	3.5in OD x 184in STEEL POST W/O CAP	3
Decks & Kick Plates			
7	ZZCH0616	SQUARE COATED DECK ASSEMBLY	3
8	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	1
9	ZZCH0658	CRE8PLAY - LARGE CADRE	1
10	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	1
ADA Items			
11	ZZCH2027	TRANSFER STATION (48in DECK)	1
12	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
13	ZZCH3186	NATURE SLITHER SLIDE ENTRY/ EXIT	3
14	ZZUN3207	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	1
15	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	4
16	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	6
17	ZZUN3249	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	2
18	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	1
Activity Panels			
19	ZZCH4549	NATURE HUNT PANEL (GROUND LEVEL)	1
20	ZZCH4578	ANYWHERE SEAT	1
21	ZZCH4627	MAGNIFYING PLAY PANEL	1
22	ZZCH4636	NATURE SOUNDS PANEL	1
23	ZZCH4896	SLING SEAT	1
24	ZZUN4449	PLAYWOOD TELESCOPE	1
Barriers			
25	ZZCH4658	PLAYWOOD ACCESS GATES	3
26	ZZCH4659	PLAYWOOD WALL BARRIER	1
Climbers			
27	ZZCH6388	6ft CANYON CROSSING - 12in RISE	1
28	ZZCH7219	60in ROPE ASCENSION	1
29	ZZCH8130	BEANSTALK CLIMBER (72in DECK)	1
30	ZZCH8258	72in PLAYWOOD CLIMBER	1
31	ZZUN8804	WOOD PILE	1
32	ZZUN8805	STUMP CLIMBER	1
33	ZZUN8815	LITTLE RIDGE	1
Balance			
34	ZZUN8811	12in STONE PILLAR	4
35	ZZUN8812	18in STONE PILLAR	1



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Ref. No.	Part No.	Description	Quantity
Bridges			
36	ZZCH6958	6ft PLAYWOOD ARCH BRIDGE	1
Audible Activities			
37	ZZCH4467	GROUND TO GROUND BABBLE-ON	1
38	ZZCH4556	7in BELL (POST MOUNT)	1
Roofs & Arches			
39	ZZCH9806	SMALL TREE TOPPER	5
40	ZZCH9807	LARGE TREE TOPPER	2
Stairs and Ladders			
41	ZZCH9170	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
Additional Tool & Maintenance Kits			
42	ZZCHGUID	CHALLENGER GUIDELINES	1
43	ZZUN9910	SURFACING WARNING LABEL KIT	1
44	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

Woodland Manor

Design Number: 350-1713A - 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	ZZCH0028	2	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	87.02			117	0	2.00	0.25	0
2	ZZCH0038	2	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	94.22			127	0	2.00	0.25	0
3	ZZCH0048	2	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	100.42			136	0	2.00	0.25	0
4	ZZCH0049	1	3.5in OD x 160in STEEL POST W/O CAP	Certified	49.91			64	0	1.00	0.13	0
5	ZZCH0059	3	3.5in OD x 172in STEEL POST W/O CAP	Certified	154.83			205	0	3.00	0.38	0
6	ZZCH0069	3	3.5in OD x 184in STEEL POST W/O CAP	Certified	170.13			219	0	3.00	0.38	0
7	ZZCH0616	3	SQUARE COATED DECK ASSEMBLY	Certified	164.58			521	9	3.00	0.00	0
8	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	Certified	29.90			120	2	1.00	0.00	0
9	ZZCH0658	1	CRE8PLAY - LARGE CADRE	N/A	9,500.00			TBD	12	13.00	8.30	3
10	ZZUN2290	1	COATED DECK TO DECK CONNECTION KIT	Certified	0.29			4	0	0.50	0.00	0
11	ZZCH2027	1	TRANSFER STATION (48in DECK)	Certified	254.26			492	3	2.50	0.09	0
12	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
13	ZZCH3186	3	NATURE SLITHER SLIDE ENTRY/ EXIT	Certified	253.53			1,772	6	6.00	0.09	3
14	ZZUN3207	1	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59			128	0	0.25	0.00	0
15	ZZUN3208	4	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	78.36			534	0	1.00	0.00	0
16	ZZUN3209	6	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	117.54			801	0	1.50	0.00	0
17	ZZUN3249	2	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	Certified	30.02			125	0	0.50	0.06	0
18	ZZUN3256	1	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	12.81			59	0	0.25	0.03	0
19	ZZCH4549	1	NATURE HUNT PANEL (GROUND LEVEL)	Certified	39.36			401	2	2.00	0.00	1
20	ZZCH4578	1	ANYWHERE SEAT	Certified	31.10			90	1	0.25	0.00	1
21	ZZCH4627	1	MAGNIFYING PLAY PANEL	Certified	34.66			426	2	0.50	0.00	1
22	ZZCH4636	1	NATURE SOUNDS PANEL	Certified	30.31			985	2	0.50	0.00	1
23	ZZCH4896	1	SLING SEAT	Certified	17.60			146	1	0.50	0.00	1
24	ZZUN4449	1	PLAYWOOD TELESCOPE	Certified	11.81			62	1	0.50	0.00	1
25	ZZCH4658	3	PLAYWOOD ACCESS GATES	Certified	100.32			225	0	1.50	0.00	0
26	ZZCH4659	1	PLAYWOOD WALL BARRIER	Certified	47.22			85	0	0.50	0.00	0



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27	ZZCH6388	1	6ft CANYON CROSSING - 12in RISE	Certified	81.01			774	2	3.00	0.00	1
28	ZZCH7219	1	60in ROPE ASCENSION	Certified	94.85			499	1	3.00	0.18	1
29	ZZCH8130	1	BEANSTALK CLIMBER (72in DECK)	Certified	92.45			424	2	1.50	0.03	1
30	ZZCH8258	1	72in PLAYWOOD CLIMBER	Certified	81.68			138	2	2.00	0.06	1
31	ZZUN8804	1	WOOD PILE	Certified	1,320.01			4,032	4	2.00	0.40	1
32	ZZUN8805	1	STUMP CLIMBER	Certified	990.01			3,371	3	2.00	0.14	1
33	ZZUN8815	1	LITTLE RIDGE	N/A	3,850.01			7,450	6	3.00	1.15	1
34	ZZUN8811	4	12in STONE PILLAR	Certified	563.24			2,363	4	6.00	0.24	4
35	ZZUN8812	1	18in STONE PILLAR	Certified	160.89			591	1	1.50	0.06	1
36	ZZCH6958	1	6ft PLAYWOOD ARCH BRIDGE	N/A	327.89			434	3	2.50	0.00	1
37	ZZCH4467	1	GROUND TO GROUND BABBLE-ON	Certified	43.15			240	2	1.50	0.00	1
38	ZZCH4556	1	7in BELL (POST MOUNT)	Certified	4.61			41	1	0.25	0.00	1
39	ZZCH9806	5	SMALL TREE TOPPER	Certified	70.30			460	0	2.50	0.00	0
40	ZZCH9807	2	LARGE TREE TOPPER	Certified	60.06			318	0	1.00	0.00	0
41	ZZCH9170	1	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	135.24			296	1	2.00	0.00	0
42	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
43	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
44	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					19,341.07	495	722	29,437	74	84.00	12.50	27
					8,703.48 Kg	223 Kg	325 Kg	29 Metric Tons				9.50 m3



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ASTM F1487

The lay-out for this custom playscape, design number 350-1713A, 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.

