

# Neverland

Equipment Manufacturer



350-1622



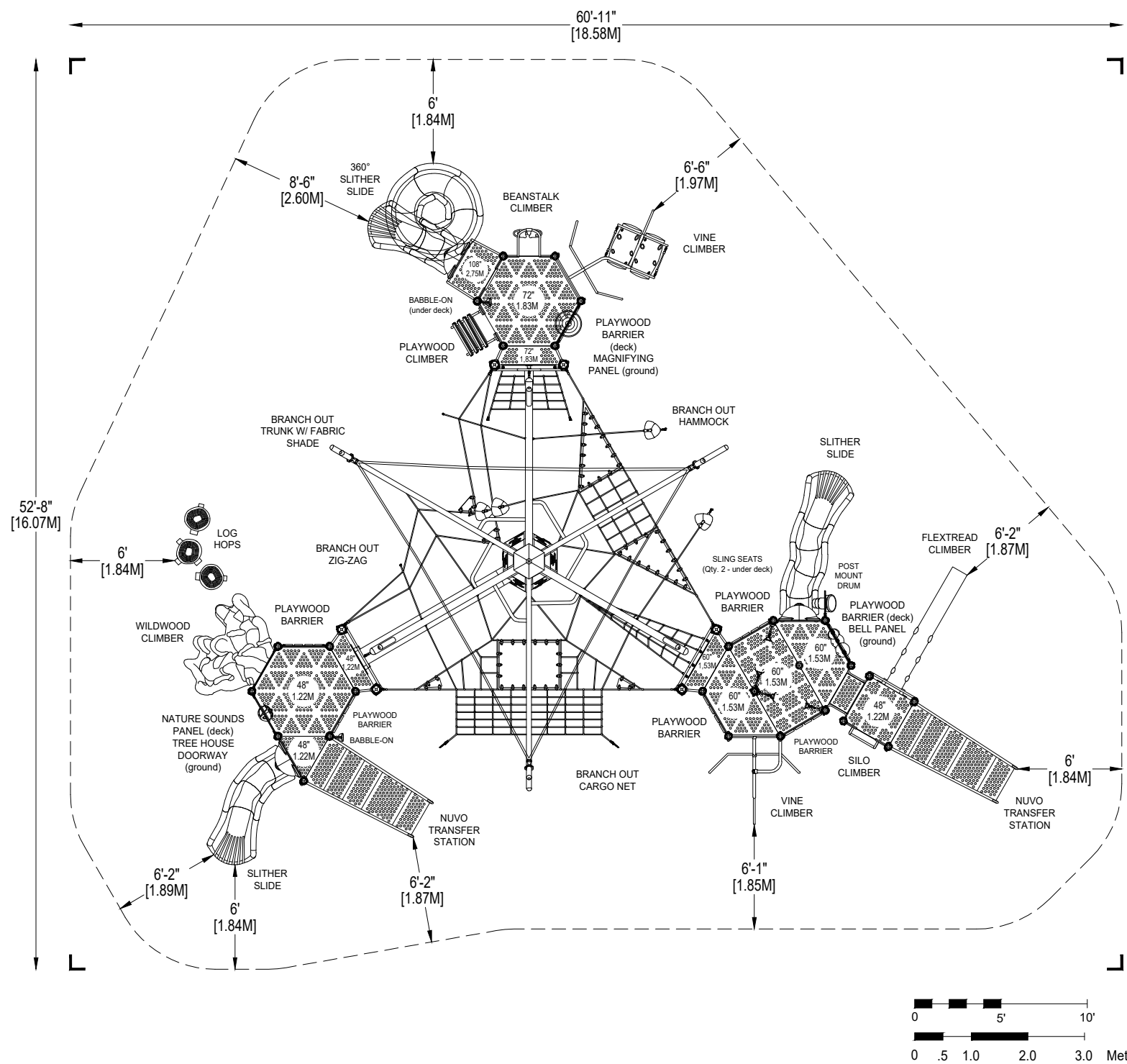
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PLAYWORLD SYSTEMS, INC.  
 1000 Buffalo Road  
 Lewisburg, PA  
 17837-9795 USA

EQUIPMENT SIZE:  
**48'10" x 40'8" x 16'3"**  
 14,88M x 12,4M x 4,95M

USE ZONE:  
**60'11" x 52'8"**  
 18,58M x 16,07M

AREA: **2,500 SqFt.** PERIMETER: **190 Ft.**  
 232,25 SqM. 57,91M

FALL HEIGHT:  
**7 Ft.**  
 2,13M

USER CAPACITY: **121** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 12		
	Total Ground-Level Play Activities: 10		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	6	4	3
Provided	11	7	4

- ✓ ASTM F1487-11
- ✓ CPSC #325



PROJECT NO: <b>350-1622B</b>	SCALE: <b>1/8"=1'-0"</b>
DRAWN BY: <b>M. MERTZ</b>	Paper Size <b>B</b>
DATE: <b>09-FEB-18</b>	

\*PLAYGROUND SUPERVISION REQUIRED

**NEVERLAND**  
CATALOG PRE-DESIGN

# Neverland

Design Number: 350-1622B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>Posts</b>			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	11
2	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	6
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	2
4	ZZCH0058	3.5in OD x 172in STEEL POST W/RIVETED CAP	2
5	ZZCH0068	3.5in OD x 184in STEEL POST POST W/RIVETED CAP	2
6	ZZCH0076	3.5in OD x 200in STEEL POST W/RIVETED CAP	2
7	ZZCH0880	60in DECK STEEL FILLER POST (CH)	2
8	ZZPM0036GZ	5in OD X 144in STEEL POST (GROUND ZERO)	2
9	ZZPM0047GZ	5in x 156in GROUND ZERO POST - w/ CAP	2
10	ZZPM0056GZ	5in OD X 168in STEEL POST W/ CAP (GROUND ZERO)	2
<b>Decks &amp; Kick Plates</b>			
11	ZZCH0616	SQUARE COATED DECK ASSEMBLY	1
12	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	1
13	ZZCH0618	1/2 HEX COATED DECK ASSEMBLY	2
14	zzCH0619	FULL HEX COATED DECK ASSEMBLY	2
15	ZZCH0629	LONG COATED DECK ASSEMBLY	1
16	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	8
17	ZZUN5898	CH/PM CONVERSION PLATFORM	3
<b>ADA Items</b>			
18	ZZCH0678	NUVO- 48in TRANSFER STATION	2
<b>Slides</b>			
19	ZZCH3206	SLITHER SLIDE 2.0 ENTRANCE & EXIT	2
20	ZZCH3216	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	1
21	ZZUN3207	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	1
22	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	2
23	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	3
24	ZZUN3217	SLITHER SLIDE 2.0 (RIGHT 120° SECTION)	3
25	ZZUN3247	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	1
26	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	2
<b>Activity Panels</b>			
27	ZZCH4549	NATURE HUNT PANEL (GROUND LEVEL)	1
28	ZZCH4627	MAGNIFYING PLAY PANEL	1
29	ZZCH4636	NATURE SOUNDS PANEL	1
30	ZZCH4639	TREE HOUSE DOORWAY (GROUND LEVEL)	1
31	ZZCH4896	SLING SEAT	2
<b>Barriers</b>			
32	ZZCH4659	PLAYWOOD WALL BARRIER	7
<b>Climbers</b>			
33	ZZCH6210	36 in DECK TO DECK CLIMBER	1
34	ZZCH6829	VINE CLIMBER (60in DECK)	1
35	ZZCH6838	VINE CLIMBER W/ ROTO	1
36	ZZCH6839	THE WILDWOOD CLIMBER (48in DK)	1

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Design Number: 350-1622B - Bill Of Material

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Quantity</b>
37	ZZCH7950	SILO CLIMBER (48in DECK)	1
38	ZZCH8130	BEANSTALK CLIMBER (72in DECK)	1
39	ZZCH8258	72in PLAYWOOD CLIMBER	1
40	ZZCH8266	48in SINGLE FLEX TREAD	1
41	ZZUN5890	BRANCH OUT TRUNK W/ FABRIC SHADE	1
42	ZZUN7896	BRANCH OUT HAMMOCK	1
43	ZZUN7897	BRANCH OUT CARGO NET	1
44	ZZUN7898	BRANCH OUT ZIG-ZAG	1
45	ZZUN8396	12in LOG HOP	2
46	ZZUN8428	16in LOG HOP	1
<b>Audible Activities</b>			
47	ZZCH4467	GROUND TO GROUND BABBLE-ON	1
48	ZZCH4589	BELL PANEL (GROUND LEVEL)	1
49	ZZCH4649	POST MOUNT DRUM	1
<b>Stairs and Ladders</b>			
50	ZZCH9168	12in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
<b>Additional Tool &amp; Maintenance Kits</b>			
51	ZZCHGUID	CHALLENGER GUIDELINES	1
52	ZZUN9910	SURFACING WARNING LABEL KIT	1
53	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

# Neverland

Design Number: 350-1622B - 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	11	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	478.61			644	0	11.00	1.38	0
2	ZZCH0038	6	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	282.66			380	0	6.00	0.75	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	ZZCH0058	2	3.5in OD x 172in STEEL POST W/RIVETED CAP	Certified	104.02			146	0	2.00	0.25	0
5	ZZCH0068	2	3.5in OD x 184in STEEL POST POST W/RIVETED CAP	Certified	114.22			155	0	2.00	0.25	0
6	ZZCH0076	2	3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	122.02			168	0	2.00	0.25	0
7	ZZCH0880	2	60in DECK STEEL FILLER POST (CH)	Certified	65.72			106	0	1.50	0.26	0
8	ZZPM0036GZ	2	5in OD X 144in STEEL POST (GROUND ZERO)	Certified	160.82			235	0	3.00	0.36	0
9	ZZPM0047GZ	2	5in x 156in GROUND ZERO POST - w/ CAP	Certified	180.86			253	0	2.00	0.36	0
10	ZZPM0056GZ	2	5in OD X 168in STEEL POST W/ CAP (GROUND ZERO)	Certified	194.02			271	0	2.00	0.36	0
11	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86			174	3	1.00	0.00	0
12	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	Certified	29.90			120	2	1.00	0.00	0
13	ZZCH0618	2	1/2 HEX COATED DECK ASSEMBLY	Certified	156.64			504	8	3.00	0.00	0
14	zzCH0619	2	FULL HEX COATED DECK ASSEMBLY	Certified	302.52			888	12	3.00	0.00	0
15	ZZCH0629	1	LONG COATED DECK ASSEMBLY	Certified	107.02			318	6	1.00	0.00	0
16	ZZUN2290	8	COATED DECK TO DECK CONNECTION KIT	Certified	2.32			30	0	4.00	0.00	0
17	ZZUN5898	3	CH/PM CONVERSION PLATFORM	Certified	178.35			674	3	6.00	0.00	0
18	ZZCH0678	2	NUVO- 48in TRANSFER STATION	Certified	599.08			1,126	6	7.00	0.24	0
19	ZZCH3206	2	SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	170.74			848	4	4.00	0.06	2
20	ZZCH3216	1	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	Certified	162.06			633	2	2.50	0.03	1
21	ZZUN3207	1	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59			128	0	0.25	0.00	0
22	ZZUN3208	2	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	39.18			267	0	0.50	0.00	0



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23	ZZUN3209	3	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	58.77			401	0	0.75	0.00	0
24	ZZUN3217	3	SLITHER SLIDE 2.0 (RIGHT 120° SECTION)	Certified	125.04			695	0	0.75	0.00	0
25	ZZUN3247	1	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	Certified	19.41			70	0	0.25	0.03	0
26	ZZUN3256	2	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	25.62			118	0	0.50	0.06	0
27	ZZCH4549	1	NATURE HUNT PANEL (GROUND LEVEL)	Certified	39.36			401	2	2.00	0.00	1
28	ZZCH4627	1	MAGNIFYING PLAY PANEL	Certified	34.66			426	2	0.50	0.00	1
29	ZZCH4636	1	NATURE SOUNDS PANEL	Certified	30.31			985	2	0.50	0.00	1
30	ZZCH4639	1	TREE HOUSE DOORWAY (GROUND LEVEL)	Certified	22.42			283	2	0.50	0.00	1
31	ZZCH4896	2	SLING SEAT	Certified	35.20			293	2	1.00	0.00	2
32	ZZCH4659	7	PLAYWOOD WALL BARRIER	Certified	330.54			596	0	3.50	0.00	0
33	ZZCH6210	1	36 in DECK TO DECK CLIMBER	Certified	75.84			153	1	1.00	0.00	1
34	ZZCH6829	1	VINE CLIMBER (60in DECK)	Certified	199.91			341	3	2.00	0.06	1
35	ZZCH6838	1	VINE CLIMBER W/ ROTO	Certified	310.36			1,240	5	4.00	0.15	1
36	ZZCH6839	1	THE WILDWOOD CLIMBER (48in DK)	Certified	168.30			820	6	2.50	0.09	1
37	ZZCH7950	1	SILO CLIMBER (48in DECK)	Certified	74.18			134	1	1.50	0.06	1
38	ZZCH8130	1	BEANSTALK CLIMBER (72in DECK)	Certified	92.45			424	2	1.50	0.03	1
39	ZZCH8258	1	72in PLAYWOOD CLIMBER	Certified	81.68			138	2	2.00	0.06	1
40	ZZCH8266	1	48in SINGLE FLEX TREAD	Certified	118.67			615	2	3.00	0.06	1
41	ZZUN5890	1	BRANCH OUT TRUNK W/ FABRIC SHADE	Certified	2,454.21			9,446	14	32.00	5.35	6
42	ZZUN7896	1	BRANCH OUT HAMMOCK	Certified	122.56			2,637	8	3.00	0.28	1
43	ZZUN7897	1	BRANCH OUT CARGO NET	Certified	143.08			2,502	6	3.50	0.42	1
44	ZZUN7898	1	BRANCH OUT ZIG-ZAG	Certified	112.97			1,415	6	4.00	0.56	1
45	ZZUN8396	2	12in LOG HOP	Certified	101.94			215	2	2.00	0.06	2
46	ZZUN8428	1	16in LOG HOP	Certified	53.94			116	1	1.00	0.03	1
47	ZZCH4467	1	GROUND TO GROUND BABBLE-ON	Certified	43.15			240	2	1.50	0.00	1
48	ZZCH4589	1	BELL PANEL (GROUND LEVEL)	Certified	46.91			381	2	1.00	0.00	1
49	ZZCH4649	1	POST MOUNT DRUM	Certified	12.78			167	1	0.50	0.00	1



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50	ZZCH9168	1	12in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	70.28			277	1	2.00	0.00	0
51	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
52	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
53	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
<b>Totals:</b>					<b>8,630.22</b>	<b>1,487</b>	<b>2,722</b>	<b>33,822</b>	<b>121</b>	<b>145.50</b>	<b>12.09</b>	<b>32</b>
					<b>3,883.60 Kg</b>	<b>669 Kg</b>	<b>1,225 Kg</b>	<b>34 Metric Tons</b>				<b>9.19 m3</b>





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## ASTM F1487

The lay-out for this custom playscape, design number 350-1622B, 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](http://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.

