

# Tree Stand

Equipment Manufacturer



350-1703

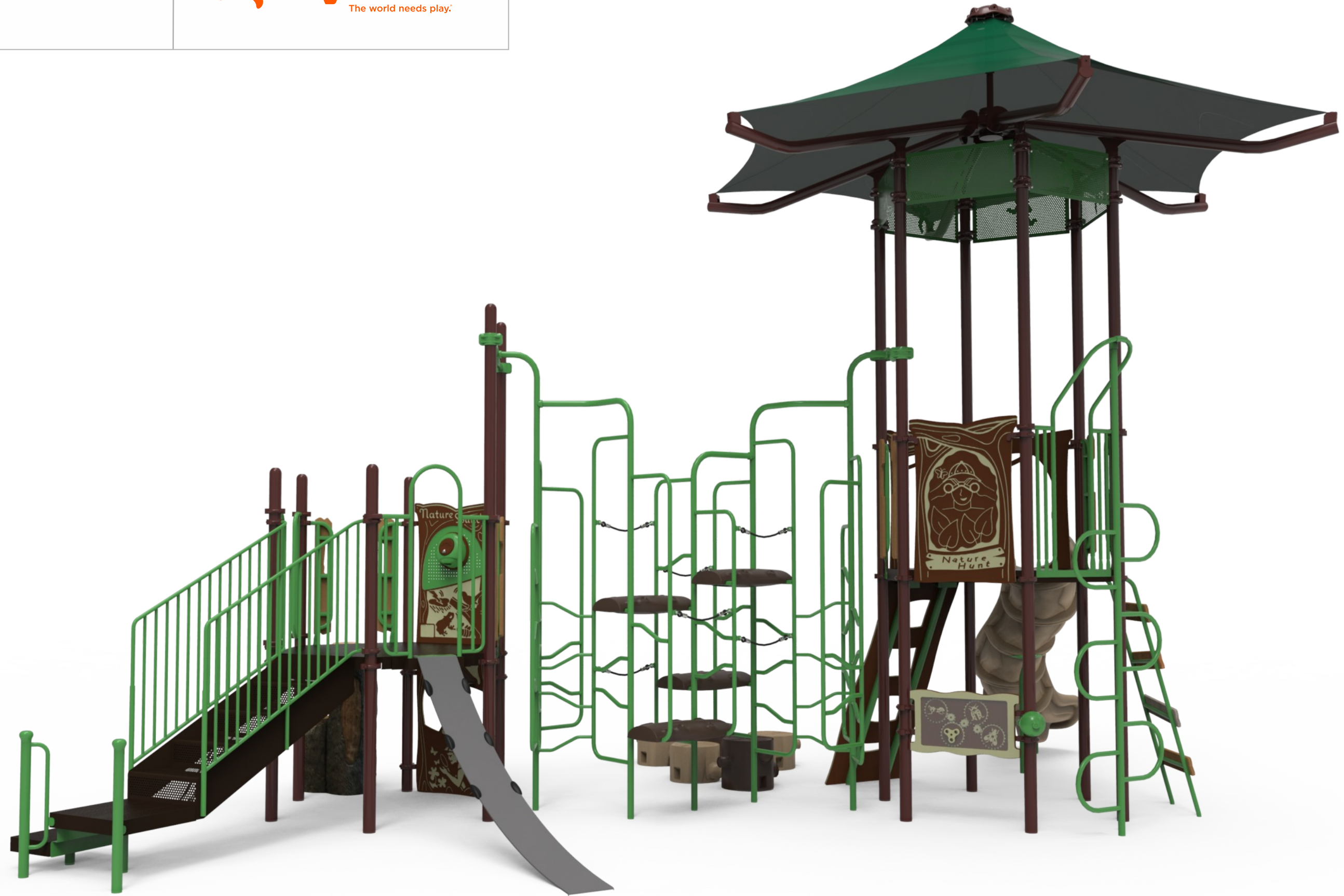


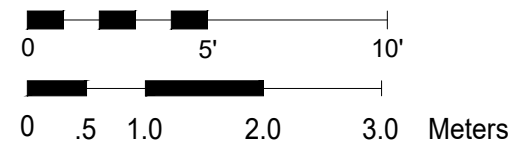
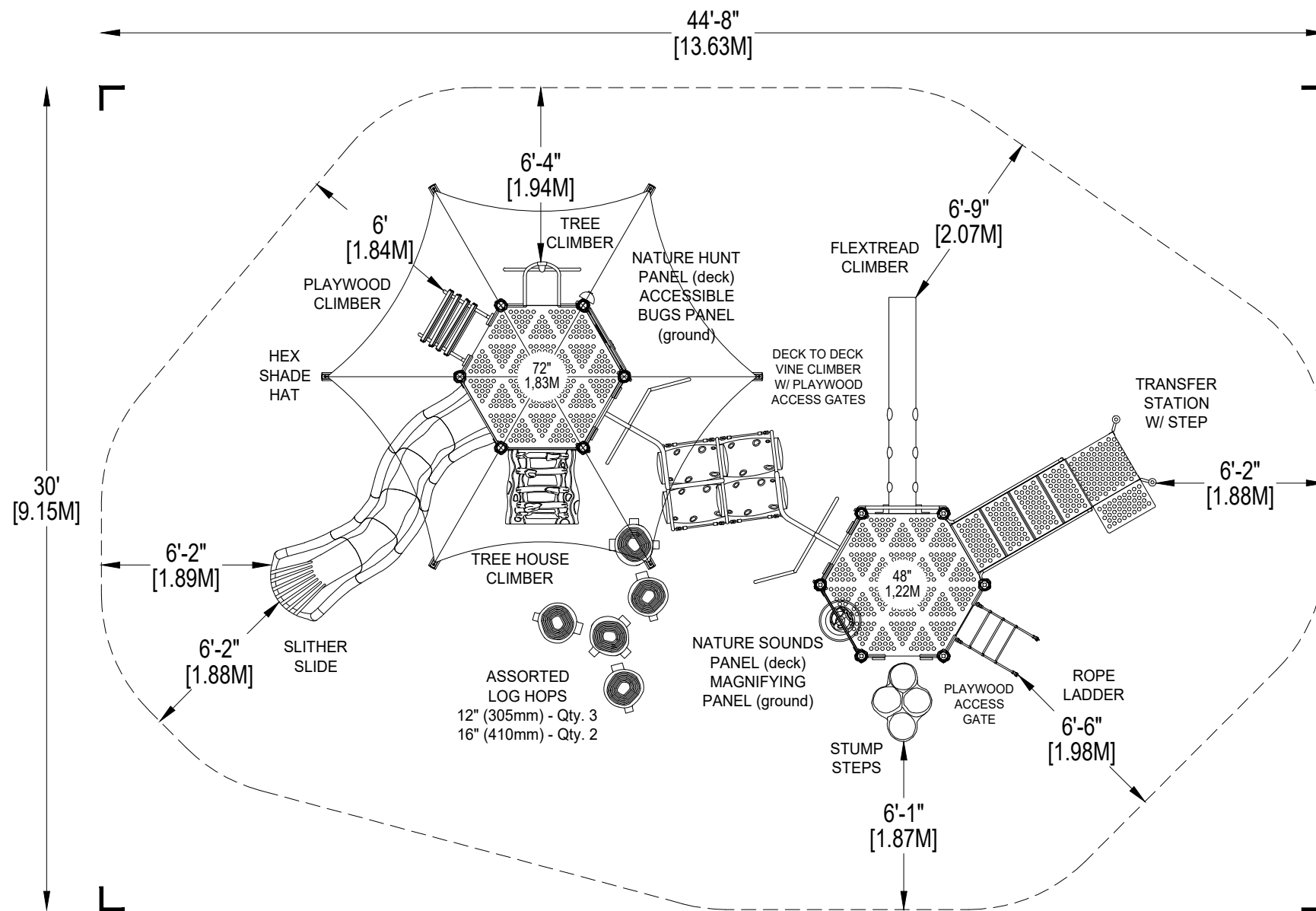
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PLAYWORLD SYSTEMS, INC.  
 1000 Buffalo Road  
 Lewisburg, PA  
 17837-9795 USA

EQUIPMENT SIZE:  
**32'4" x 20'4" x 20'4"**  
 9,86M x 6,2M x 6,2M

USE ZONE:  
**44'8" x 30'0"**  
 13.63M x 9.15M

AREA: **1,069 SqFt.** PERIMETER: **121 Ft.**  
 99,31 SqM. 36,88M

FALL HEIGHT:  
**9'4"**  
 2,84M

USER CAPACITY: **50** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 10		
	Total Ground-Level Play Activities: 4		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	5	3	3
Provided	10	4	4

✓ ASTM F1487-17  
 ✓ CPSC #325



PROJECT NO:  
**350-1703A**

SCALE:  
**3/16"=1'-0"**

DRAWN BY:  
**M. MERTZ**

Paper Size

DATE:  
**20-DEC-17**

**B**

\*PLAYGROUND SUPERVISION REQUIRED

**TREE STAND**  
 CATALOG PRE-DESIGN

# Tree Stand

Design Number: 350-1703A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>Posts</b>			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	4
2	ZZCH0068	3.5in OD x 184in STEEL POST POST W/RIVETED CAP	2
3	ZZCH0288	3.5in OD x 222in SWAGED STEEL POST	6
4	ZZCH0368	3ft POST EXTENSION FOOTER & CLAMP SUPPORT	6
<b>Decks &amp; Kick Plates</b>			
5	zzCH0619	FULL HEX COATED DECK ASSEMBLY	2
<b>ADA Items</b>			
6	ZZCH2027	TRANSFER STATION (48in DECK)	1
7	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
<b>Slides</b>			
8	ZZCH3186	NATURE SLITHER SLIDE ENTRY/ EXIT	1
9	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	2
10	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	2
11	ZZUN3249	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	1
<b>Activity Panels</b>			
12	ZZCH4408	ACCESSIBLE BUGS PANEL	1
13	ZZCH4548	NATURE HUNT PANEL (DECK LEVEL)	1
14	ZZCH4627	MAGNIFYING PLAY PANEL	1
15	ZZCH4636	NATURE SOUNDS PANEL	1
<b>Barriers</b>			
16	ZZCH4658	PLAYWOOD ACCESS GATES	3
<b>Climbers</b>			
17	ZZCH6818	TREE HOUSE CLIMBER (72in DECK)	1
18	ZZCH6837	10ft DECK-DECK VINE CLIMBER	1
19	ZZCH7237	ROPE LADDER- 48in DECK	1
20	ZZCH8210	TREE CLIMBER (72in DECK)	1
21	ZZCH8258	72in PLAYWOOD CLIMBER	1
22	ZZCH8266	48in SINGLE FLEX TREAD	1
23	ZZUN8396	12in LOG HOP	3
24	ZZUN8428	16in LOG HOP	2
25	ZZUN8805	STUMP CLIMBER	1
<b>Audible Activities</b>			
26	ZZCH4556	7in BELL (POST MOUNT)	1
<b>Roofs &amp; Arches</b>			
27	ZZCH9717	HEX HAT SHADE (CH)	1
28	ZZCH9727	CH HEX HAT POST BRACES	1
<b>Additional Tool &amp; Maintenance Kits</b>			
29	ZZCHGUID	CHALLENGER GUIDELINES	1
30	ZZUN9910	SURFACING WARNING LABEL KIT	1
31	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

# Tree Stand

Design Number: 350-1703A - 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	4	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	174.04			234	0	4.00	0.50	0
2	ZZCH0068	2	3.5in OD x 184in STEEL POST POST W/RIVETED CAP	Certified	114.22			155	0	2.00	0.25	0
3	ZZCH0288	6	3.5in OD x 222in SWAGED STEEL POST	Certified	420.48			533	0	6.00	0.78	0
4	ZZCH0368	6	3ft POST EXTENSION FOOTER & CLAMP SUPPORT	Certified	108.30			139	0	1.50	0.00	0
5	zzCH0619	2	FULL HEX COATED DECK ASSEMBLY	Certified	302.52			888	12	3.00	0.00	0
6	ZZCH2027	1	TRANSFER STATION (48in DECK)	Certified	254.26			492	3	2.50	0.09	0
7	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
8	ZZCH3186	1	NATURE SLITHER SLIDE ENTRY/ EXIT	Certified	84.51			591	2	2.00	0.03	1
9	ZZUN3208	2	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	39.18			267	0	0.50	0.00	0
10	ZZUN3209	2	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	39.18			267	0	0.50	0.00	0
11	ZZUN3249	1	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	Certified	15.01			62	0	0.25	0.03	0
12	ZZCH4408	1	ACCESSIBLE BUGS PANEL	Certified	33.49			234	1	1.00	0.00	1
13	ZZCH4548	1	NATURE HUNT PANEL (DECK LEVEL)	Certified	38.93			384	2	2.00	0.00	1
14	ZZCH4627	1	MAGNIFYING PLAY PANEL	Certified	34.66			426	2	0.50	0.00	1
15	ZZCH4636	1	NATURE SOUNDS PANEL	Certified	30.31			985	2	0.50	0.00	1
16	ZZCH4658	3	PLAYWOOD ACCESS GATES	Certified	100.32			225	0	1.50	0.00	0
17	ZZCH6818	1	TREE HOUSE CLIMBER (72in DECK)	Certified	125.78			809	2	2.00	0.06	1
18	ZZCH6837	1	10ft DECK-DECK VINE CLIMBER	Certified	387.57			1,905	7	5.00	0.15	1
19	ZZCH7237	1	ROPE LADDER- 48in DECK	Certified	51.79			345	1	2.00	0.06	1
20	ZZCH8210	1	TREE CLIMBER (72in DECK)	Certified	84.23			191	2	1.50	0.03	1
21	ZZCH8258	1	72in PLAYWOOD CLIMBER	Certified	81.68			138	2	2.00	0.06	1
22	ZZCH8266	1	48in SINGLE FLEX TREAD	Certified	118.67			615	2	3.00	0.06	1
23	ZZUN8396	3	12in LOG HOP	Certified	152.91			323	3	3.00	0.09	3
24	ZZUN8428	2	16in LOG HOP	Certified	107.88			233	2	2.00	0.06	2
25	ZZUN8805	1	STUMP CLIMBER	Certified	990.01			3,371	3	2.00	0.14	1
26	ZZCH4556	1	7in BELL (POST MOUNT)	Certified	4.61			41	1	0.25	0.00	1



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27	ZZCH9717	1	HEX HAT SHADE (CH)	Certified	502.94			3,544	0	9.00	0.00	0
28	ZZCH9727	1	CH HEX HAT POST BRACES	Certified	112.10			420	0	1.00	0.00	0
29	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
30	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
31	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
<b>Totals:</b>					<b>4,545.46</b>	<b>607</b>	<b>1,100</b>	<b>17,982</b>	<b>50</b>	<b>62.00</b>	<b>2.43</b>	<b>18</b>
					<b>2,045.46 Kg</b>	<b>273 Kg</b>	<b>495 Kg</b>	<b>18 Metric Tons</b>				<b>1.85 m3</b>



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## ASTM F1487

The lay-out for this custom playscape, design number 350-1703A, 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.

