

# Jude's Tower

Equipment Manufacturer



500-2039





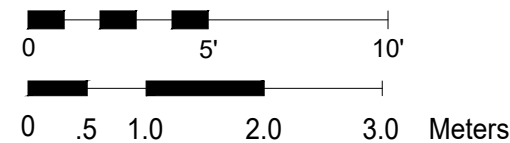
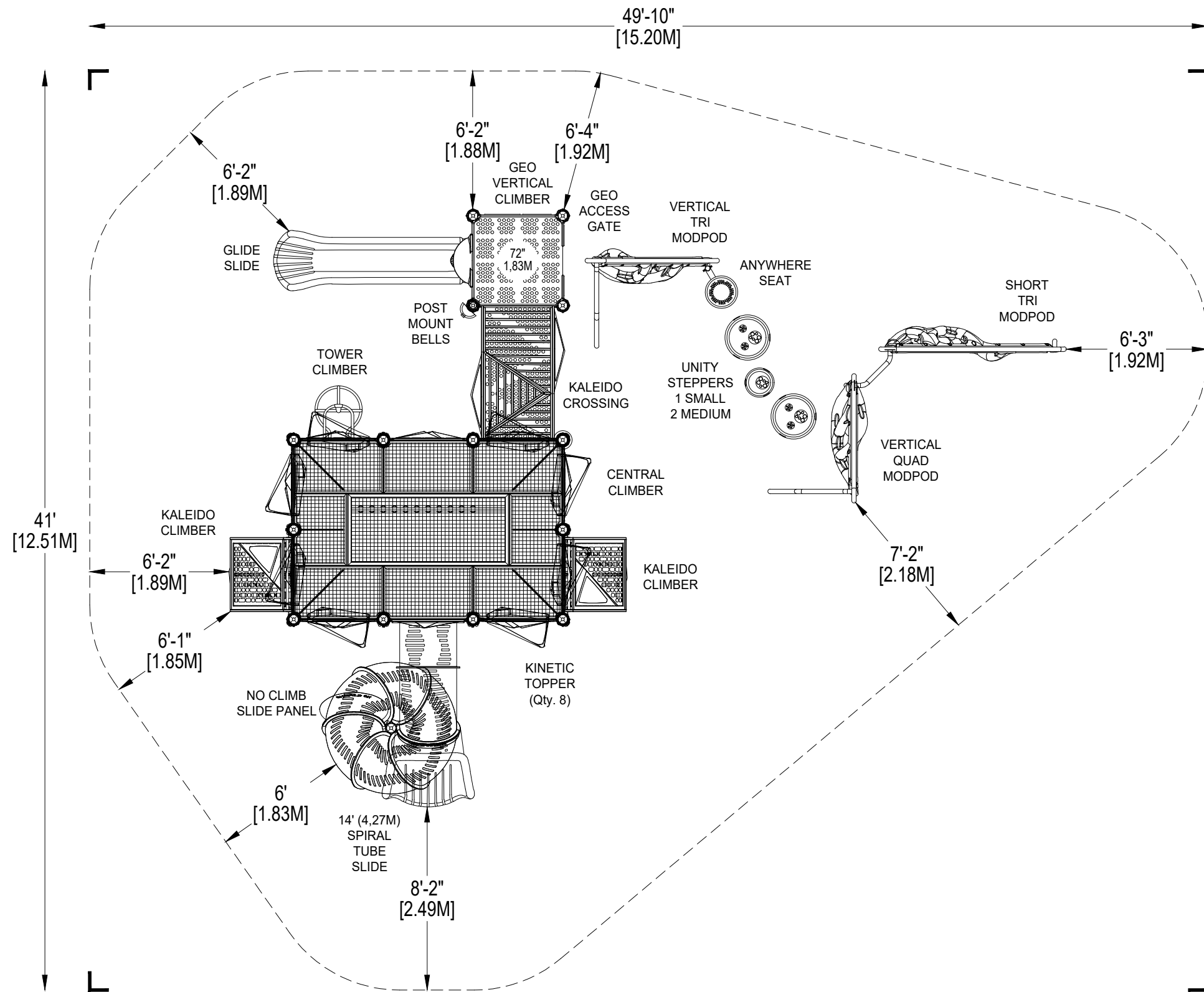
# Jude's Tower

Equipment Manufacturer



500-2039





\*PLAYGROUND SUPERVISION REQUIRED



PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road  
Lewisburg, PA  
17837-9795 USA

EQUIPMENT SIZE:

**26'8" x 37'4" x 26'1"**

11,38M x 8,13M x 7,95M

USE ZONE:

**49'10" x 41'**

15,22,59M x 12,51M

AREA:

**1,436 SqFt.**

133,4 SqM.

PERIMETER:

**144'6"**

44,04M

FALL HEIGHT:

**8'5"**

2,59M

USER CAPACITY:

**73**

AGE GROUP:

**5-12**

ADA SCHEDULE	Total Elevated Play Activities: 18		
	Total Ground-Level Play Activities: 6		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	9	6	3
Provided	18	6	4

✓ ASTM F1487-11

✓ CPSC #325



PROJECT NO:

**500-2039**

SCALE:

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

DRAWN BY:

**M. MERTZ**

Paper Size

**B**

DATE:

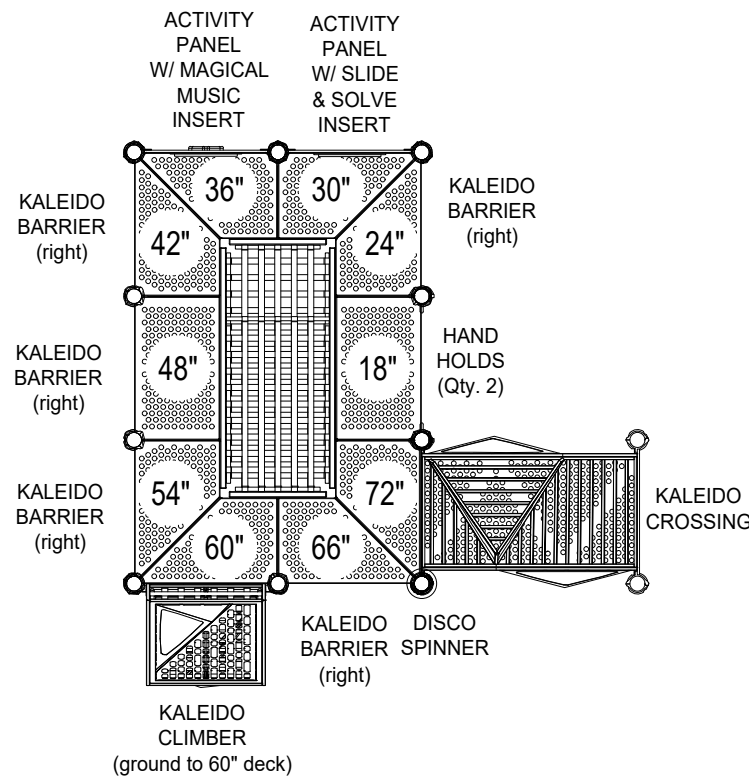
**09-DEC-19**

**JUDE'S TOWER**

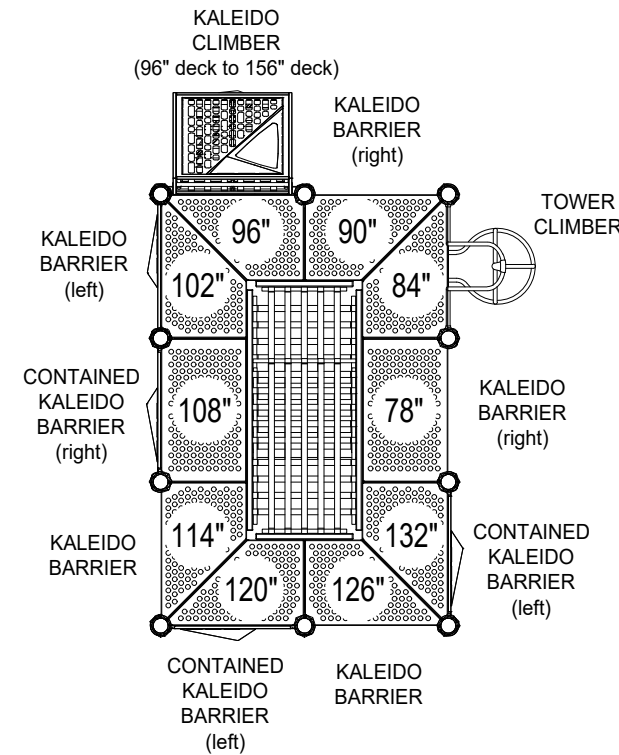
CATALOG PRE-DESIGN

**NOTES:**

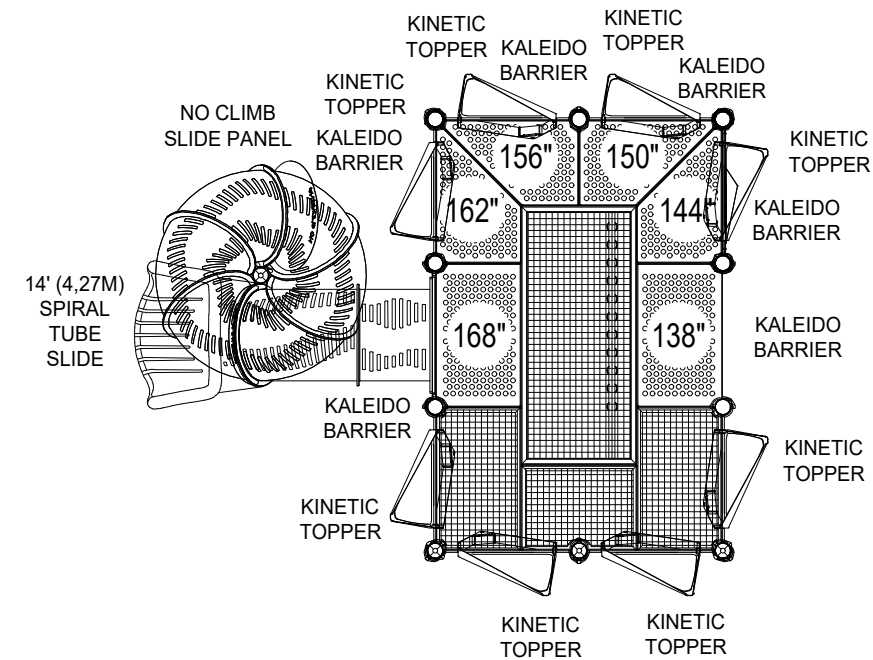
- 1) This tower detail is a diagram of the individual level layouts of the tower portion of your play structure, showing the detailed component layout of each level.
- 2) This tower detail is not to scale and is meant for reference purposes only. It should not be used in obtaining accurate measurements for any of the equipment shown unless otherwise noted on the drawing.
- 3) This design configuration is the property of this firm and Playworld Systems® and may not be reproduced or used in any manner without the expressed written consent of this firm and Playworld Systems®.



18"(458mm) to 72"(1830mm)  
DECK LEVELS



78"(1981mm) to 132"(3353mm)  
DECK LEVELS



138"(3505mm) to 168"(4267mm)  
DECK LEVELS

TOWER DETAIL:

Detail 1

PROJECT NO: <b>500-2039</b>	SCALE: <b>NOT TO SCALE</b>
DRAWN BY: <b>M. MERTZ</b>	Paper Size <b>B</b>
DATE: <b>09-DEC-19</b>	

# Jude's Tower

Design Number: 500-2039 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>Posts</b>			
1	ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	2
2	ZZPM0056	5in OD X 168in STEEL POST W/ RIVETED CAP	2
<b>Decks &amp; Kick Plates</b>			
3	ZZPM0616	SQUARE COATED DECK ASSEMBLY	1
<b>Slides</b>			
4	ZZPM2696	GLIDE SLIDE (72in DECK)	1
5	ZZUN3007	30in ROUND STRAIGHT TUBE SECTION	1
6	ZZUN3009	30in ROUND RIGHT TUBE SECTION	12
<b>SkyTower Slides</b>			
7	ZZPM3004	CONTAINED TUBE SLIDE ENTRY/ EXIT	1
8	ZZUN3011	DO NOT CLIMB- SLIDE PANEL	1
9	ZZUN3474	CTR POST & SUPPORT ARMS FOR 15ft & 14ft SPIRAL TUBE SLIDE	1
<b>Activity Panels</b>			
10	ZZPM4351	DISCO SPINNER	1
11	ZZPM4648	POST MOUNT SCAVENGER HUNT	1
12	ZZPM4671	PM PANEL FRAME- DECK LEVEL	2
13	ZZUN4678	SLIDE & SOLVE INSERT	1
14	ZZUN4679	MAGICAL MUSIC INSERT	1
<b>Barriers</b>			
15	ZZPM4190	SMALL HAND HOLD	2
16	ZZPM4497	GEO ACCESS GATE	1
<b>SkyTower Barriers</b>			
17	ZZPM4364	CONTAINMENT KALEIDOBARRIER 60in TALL- LEFT	3
18	ZZPM4372	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- RIGHT	1
19	ZZPM4373	KALEIDOBARRIER 44in TALL- LEFT	1
20	ZZPM4374	KALEIDOBARRIER 44in TALL- RIGHT	7
21	ZZPM4381	KALEIDOBARRIER SET FOR 14ft CENTRAL TOWER	1
22	ZZUN6729	CONTAINMENT LEVEL FILLER BRACKET	1
<b>Climbers</b>			
23	ZZPM6998	GEO VERTICAL CLIMBER (72in DK)	1
24	ZZPM7169	7ft TOWER CLIMBER	1
25	ZZUN6840	MODPODS QUAD- VERTICAL	1
26	ZZUN6841	MODPODS TRI- VERTICAL TALL	1
27	ZZUN6843	MODPODS TRI- VERTICAL SHORT W/O OUTRIGGER	1
28	ZZUN6853	MODPODS CONNECTOR- QUAD TO TRI RIGHT	1
<b>SkyTower Climbers</b>			
29	ZZPM6730	KALEIDOCLIMBER	2
30	ZZPM6731	CENTRAL TOWER 14ft	1
<b>Balance</b>			
31	ZZUN6861	ANYWHERE SEAT	1
32	ZZUN7136	UNITY STEPPER - SMALL	1
33	ZZUN7137	UNITY STEPPER - MEDIUM	2



# Jude's Tower

Design Number: 500-2039 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>SkyTower Bridges</b>			
34	ZZPM6380	KALEIDOCROSSING	1
<b>Audible Activities</b>			
35	ZZCH4557	8in BELL (POST MOUNT)	1
36	ZZCH4559	10in BELL (POST MOUNT)	1
<b>Roofs &amp; Arches</b>			
37	ZZPM4454	KINETIC TOPPER- LEFT CLAMP AT 45 DEG	4
38	ZZPM4455	KINETIC TOPPER- RIGHT CLAMP AT 45 DEG	4
<b>Additional Tool &amp; Maintenance Kits</b>			
39	ZZUN1471	INSTALLER HARDWARE KIT	1
40	ZZUN9910	SURFACING WARNING LABEL KIT	1
41	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
42	ZZXXGNGUID	GENERAL INSTALLERS GUIDE	1



# Jude's Tower

Design Number: 500-2039 - 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	ZZPM0046	2	5in OD X 156in STEEL POST W/ RIVETED CAP	Certified	175.42			253	0	2.00	0.26	0
2	ZZPM0056	2	5in OD X 168in STEEL POST W/ RIVETED CAP	Certified	185.02			271	0	2.00	0.26	0
3	ZZPM0616	1	SQUARE COATED DECK ASSEMBLY	Certified	90.36			221	4	1.00	0.00	0
4	ZZPM2696	1	GLIDE SLIDE (72in DECK)	Certified	163.44			678	2	1.50	0.03	1
5	ZZUN3007	1	30in ROUND STRAIGHT TUBE SECTION	Certified	26.02			181	0	0.25	0.00	0
6	ZZUN3009	12	30in ROUND RIGHT TUBE SECTION	Certified	312.24			2,173	0	3.00	0.00	0
7	ZZPM3004	1	CONTAINED TUBE SLIDE ENTRY/ EXIT	N/A	188.50			TBD	2	2.00	0.03	1
8	ZZUN3011	1	DO NOT CLIMB- SLIDE PANEL	N/A	37.70			TBD	0	0.50	0.00	0
9	ZZUN3474	1	CTR POST & SUPPORT ARMS FOR 15ft & 14ft SPIRAL TUBE SLIDE	N/A	220.40			689	0	2.50	0.12	0
10	ZZPM4351	1	DISCO SPINNER	Certified	16.00			TBD	1	0.50	0.00	1
11	ZZPM4648	1	POST MOUNT SCAVENGER HUNT	Certified	17.30			271	3	2.00	0.00	1
12	ZZPM4671	2	PM PANEL FRAME- DECK LEVEL	Certified	92.92			411	0	2.00	0.00	0
13	ZZUN4678	1	SLIDE & SOLVE INSERT	Certified	17.61			761	2	0.25	0.00	1
14	ZZUN4679	1	MAGICAL MUSIC INSERT	Certified	23.11			941	2	0.25	0.00	1
15	ZZPM4190	2	SMALL HAND HOLD	Certified	12.80			87	0	0.50	0.00	0
16	ZZPM4497	1	GEO ACCESS GATE	Certified	44.60			139	0	1.00	0.00	0
17	ZZPM4364	3	CONTAINMENT KALEIDOBARRIER 60in TALL- LEFT	N/A	202.80			TBD	0	3.00	0.00	0
18	ZZPM4372	1	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- RIGHT	N/A	64.80			TBD	0	1.00	0.00	0
19	ZZPM4373	1	KALEIDOBARRIER 44in TALL- LEFT	N/A	53.40			TBD	0	1.00	0.00	0
20	ZZPM4374	7	KALEIDOBARRIER 44in TALL- RIGHT	N/A	373.80			TBD	0	7.00	0.00	0
21	ZZPM4381	1	KALEIDOBARRIER SET FOR 14ft CENTRAL TOWER	N/A	1,119.90			TBD	0	25.00	0.00	0
22	ZZUN6729	1	CONTAINMENT LEVEL FILLER BRACKET	N/A	12.10			TBD	0	0.50	0.00	0
23	ZZPM6998	1	GEO VERTICAL CLIMBER (72in DK)	Certified	98.81			307	2	1.00	0.00	1



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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
24	ZZPM7169	1	7ft TOWER CLIMBER	Certified	119.26			267	2	2.00	0.90	1
25	ZZUN6840	1	MODPODS QUAD- VERTICAL	Certified	324.09			416	4	3.00	0.39	1
26	ZZUN6841	1	MODPODS TRI- VERTICAL TALL	Certified	281.15			473	2	3.00	0.39	1
27	ZZUN6843	1	MODPODS TRI- VERTICAL SHORT W/O OUTRIGGER	Certified	233.59			475	4	2.50	0.26	1
28	ZZUN6853	1	MODPODS CONNECTOR- QUAD TO TRI RIGHT	Certified	12.01			15	0	0.50	0.00	0
29	ZZPM6730	2	KALEIDOCLIMBER	N/A	819.80			TBD	4	4.00	0.00	2
30	ZZPM6731	1	CENTRAL TOWER 14ft	N/A	7,270.50			TBD	32	50.00	0.00	8
31	ZZUN6861	1	ANYWHERE SEAT	Certified	27.67			110	1	0.25	0.00	1
32	ZZUN7136	1	UNITY STEPPER - SMALL	Certified	29.97			69	1	1.00	0.13	1
33	ZZUN7137	2	UNITY STEPPER - MEDIUM	Certified	109.42			290	2	2.00	0.26	2
34	ZZPM6380	1	KALEIDOCROSSING	N/A	416.50			TBD	3	2.00	0.00	1
35	ZZCH4557	1	8in BELL (POST MOUNT)	Certified	5.15			44	1	0.25	0.00	1
36	ZZCH4559	1	10in BELL (POST MOUNT)	Certified	6.87			49	1	0.25	0.00	1
37	ZZPM4454	4	KINETIC TOPPER- LEFT CLAMP AT 45 DEG	N/A	207.60			TBD	0	12.00	0.00	0
38	ZZPM4455	4	KINETIC TOPPER- RIGHT CLAMP AT 45 DEG	N/A	207.60			TBD	0	12.00	0.00	0
39	ZZUN1471	1	INSTALLER HARDWARE KIT	N/A				57				
40	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
41	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
42	ZZXXGNGUIC	1	GENERAL INSTALLERS GUIDE	N/A				1				
<b>Totals:</b>					<b>13,620.28</b>	<b>382</b>	<b>675</b>	<b>9,735</b>	<b>75</b>	<b>154.75</b>	<b>3.03</b>	<b>28</b>
					<b>6,129.13 Kg</b>	<b>172 Kg</b>	<b>304 Kg</b>	<b>10 Metric Tons</b>				<b>2.80 m3</b>





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## ASTM F1487

The lay-out for this custom playscape, design number 500-2039, 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.

