

Sky High

350-1513

Equipment Manufacturer



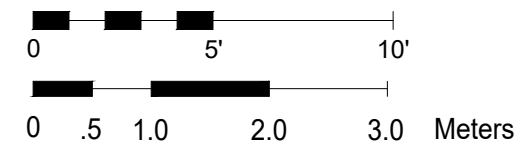
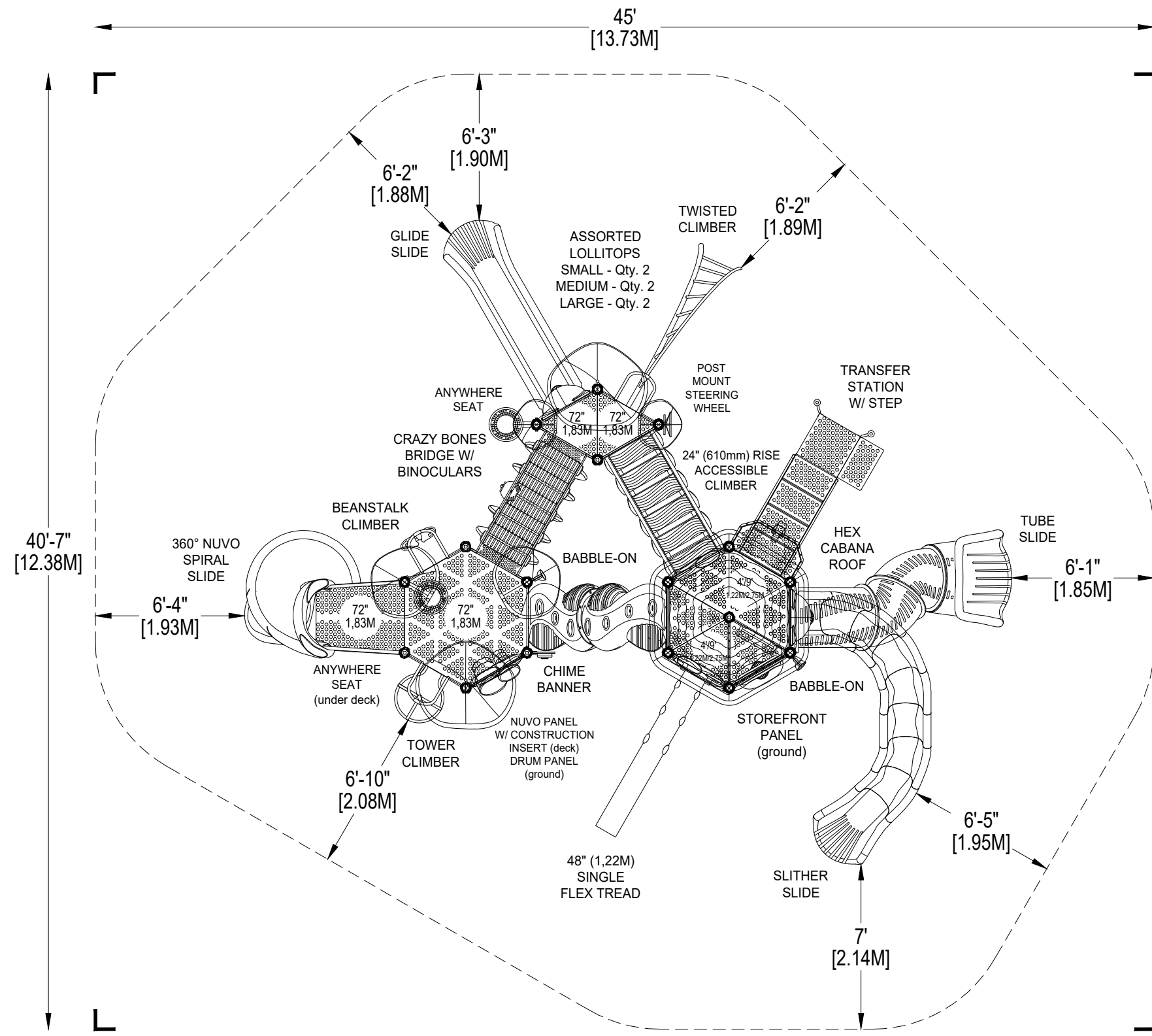
Sky High

Equipment Manufacturer



350-1513





*PLAYGROUND SUPERVISION REQUIRED



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

EQUIPMENT SIZE:
32'7" x 27'4" x 18'1"
9,93M x 8,33M x 5,51M

USE ZONE:
45'0" x 40'7"
13,73M x 12,38M

AREA: **1379 SqFt.** PERIMETER: **136 Ft.**
128,11 SqM. 41,45M

FALL HEIGHT:
9 Ft.
2,74M

USER CAPACITY: **73** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 17		
	Total Ground-Level Play Activities: 7		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	9	6	3
Provided	17	6	4

- ✓ ASTM F1487-17
- ✓ CPSC #325



PROJECT NO: 350-1513C	SCALE: 3/16"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
DATE: 20-DEC-17	

SKY HIGH
CATALOG PRE-DESIGN

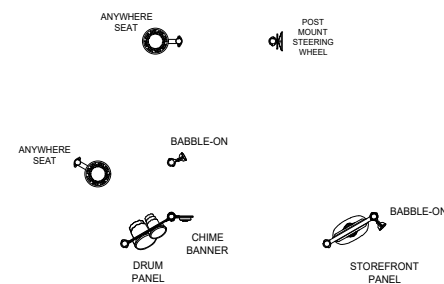


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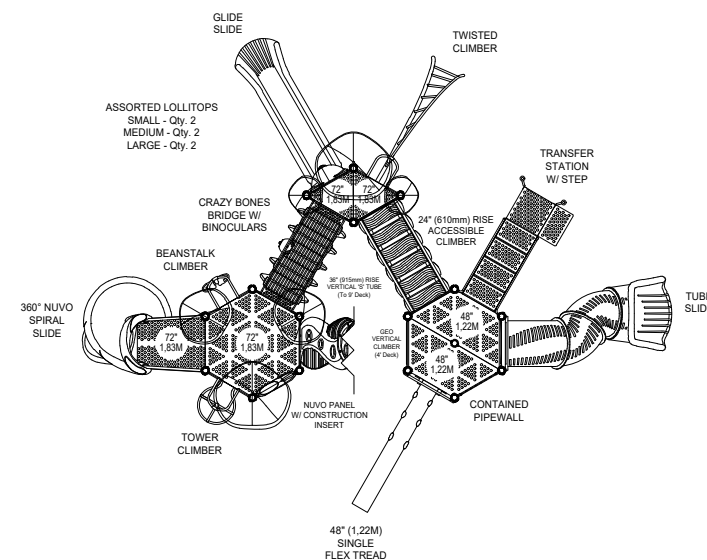
NOTES:

- 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®.

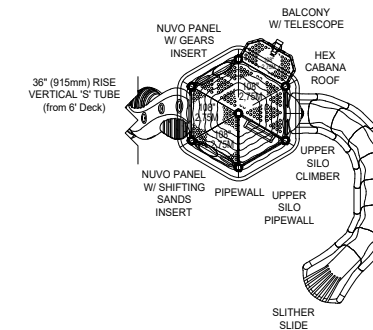
SKY HIGH
 CATALOG PRE-DESIGN



GROUND-LEVEL



4' / 6' (1,22M / 1,83M) DECK LEVELS



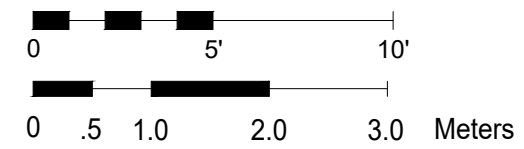
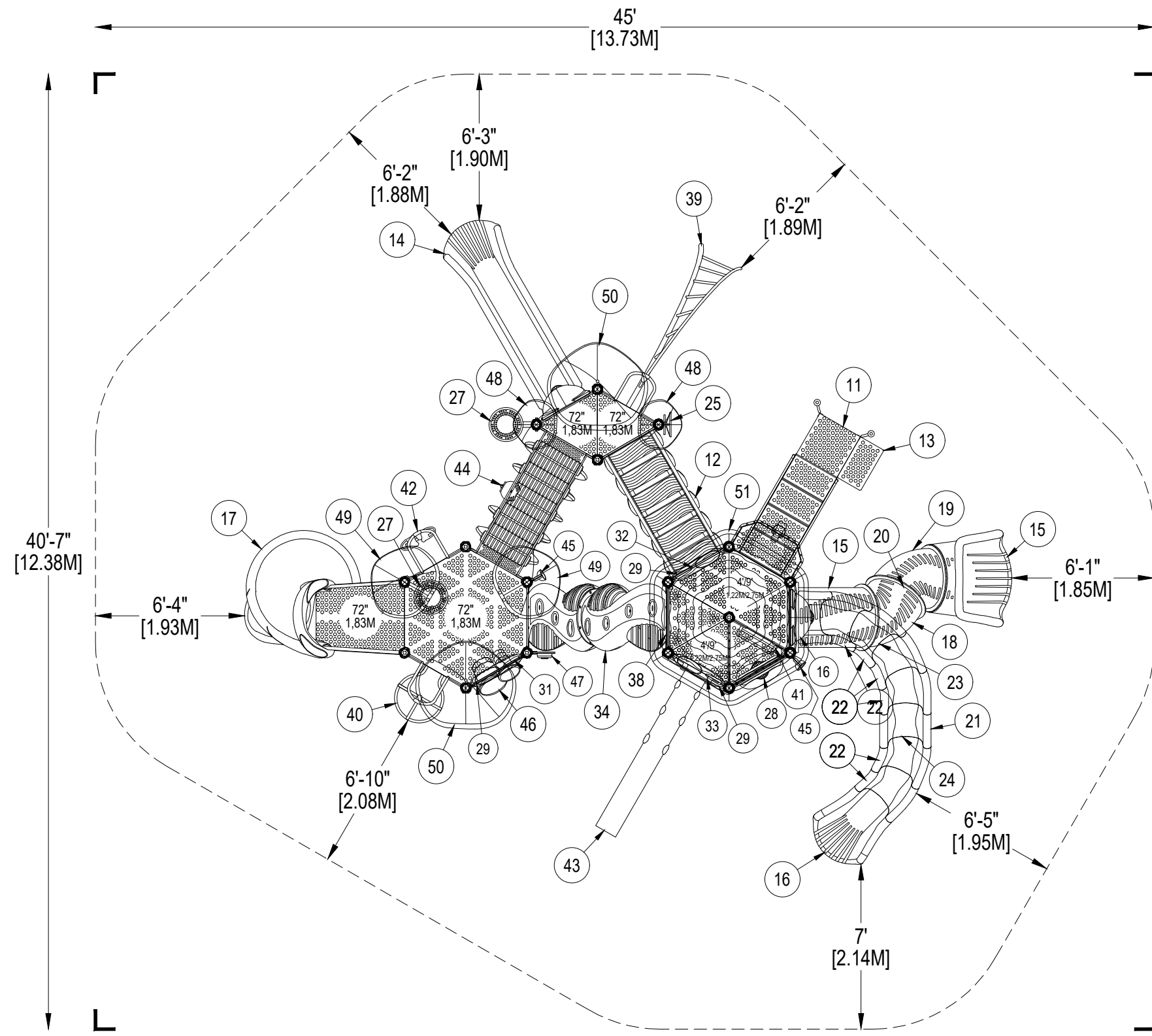
9' (2,75M) DECK LEVEL

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TOWER DETAIL:

Detail 1

PROJECT NO: 350-1513C	SCALE: NOT TO SCALE
DRAWN BY: M. MERTZ	Paper Size B
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32'7" x 27'4" x 18'1"
 9,93M x 8,33M x 5,51M

USE ZONE:
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AREA: **1379 SqFt.** PERIMETER: **136 Ft.**
 128,11 SqM. 41,45M

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9 Ft.
 2,74M

USER CAPACITY: **73** AGE GROUP: **5-12**

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- ✓ ASTM F1487-17
- ✓ CPSC #325



PROJECT NO: 350-1513C	SCALE: 3/16"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
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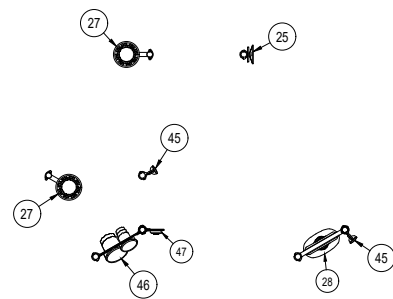
SKY HIGH
 CATALOG PRE-DESIGN



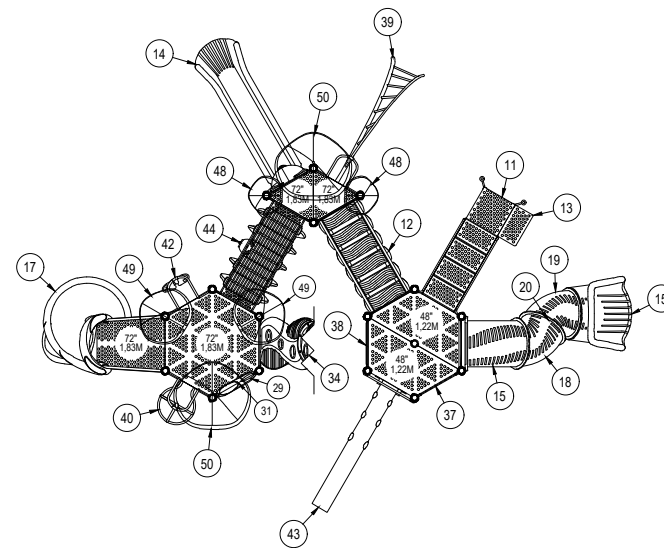
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NOTES:

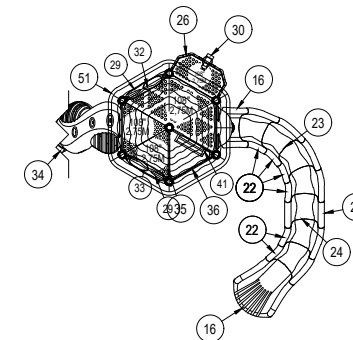
- 1) This tower detail is a diagram of the individual level layouts of the tower portion of your play structure, showing the detailed component layout of each level.
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GROUND-LEVEL



4' / 6' (1,22M / 1,83M) DECK LEVELS



9' (2,75M) DECK LEVEL

TOWER DETAIL:
Detail 1

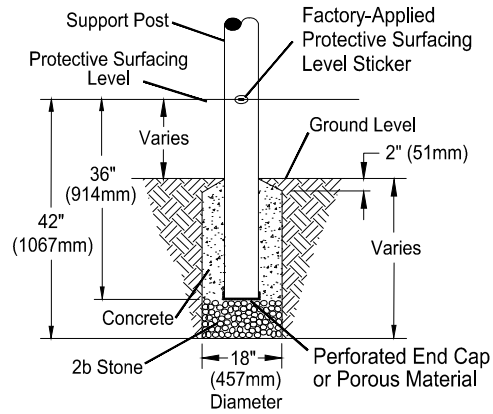
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DRAWN BY: M. MERTZ	Paper Size B
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 CATALOG PRE-DESIGN

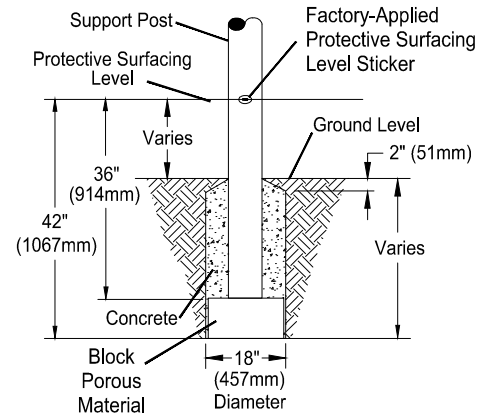
DETAIL 1

Support Post, Spiral Slide and RockBlocks Post Footing Detail



STONE OPTION

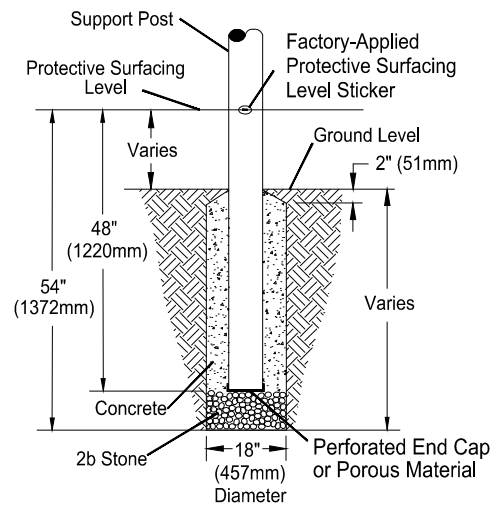
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BLOCK OPTION

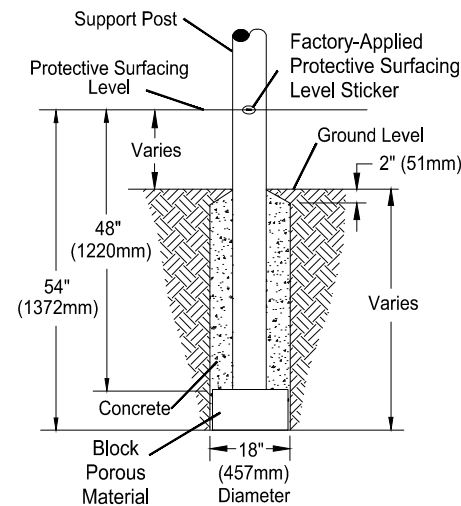
DETAIL 2

GroundZero, Cantilever and "T" Post Footing Detail



STONE OPTION

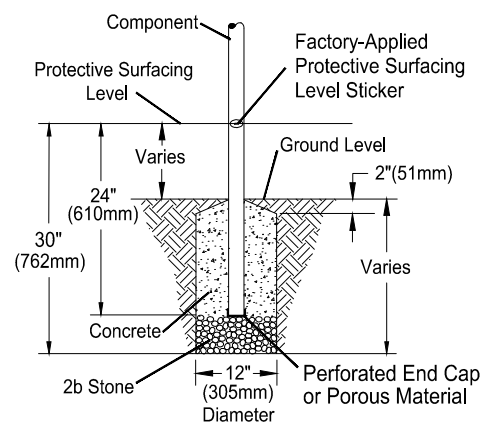
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BLOCK OPTION

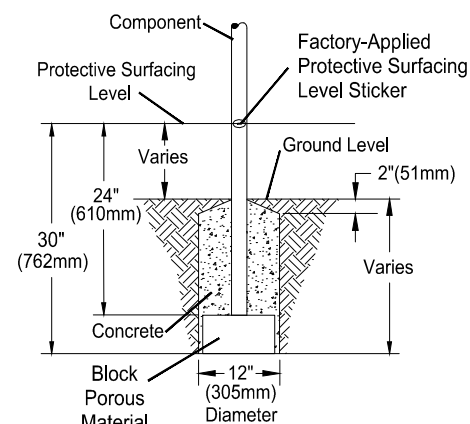
DETAIL 3

Component Footing Detail



STONE OPTION

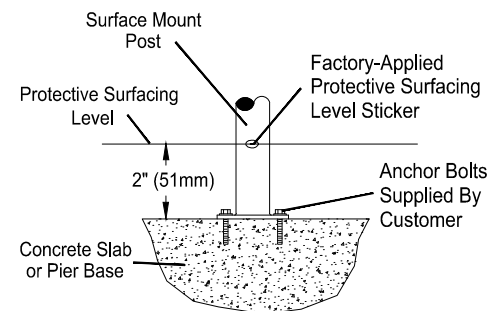
OR



BLOCK OPTION

DETAIL 4

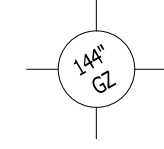
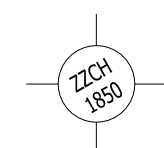
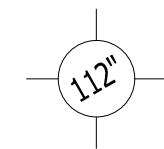
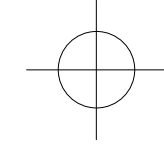
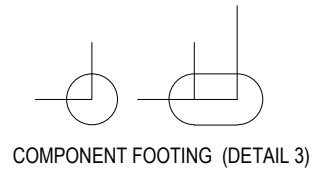
Surface Mount Detail



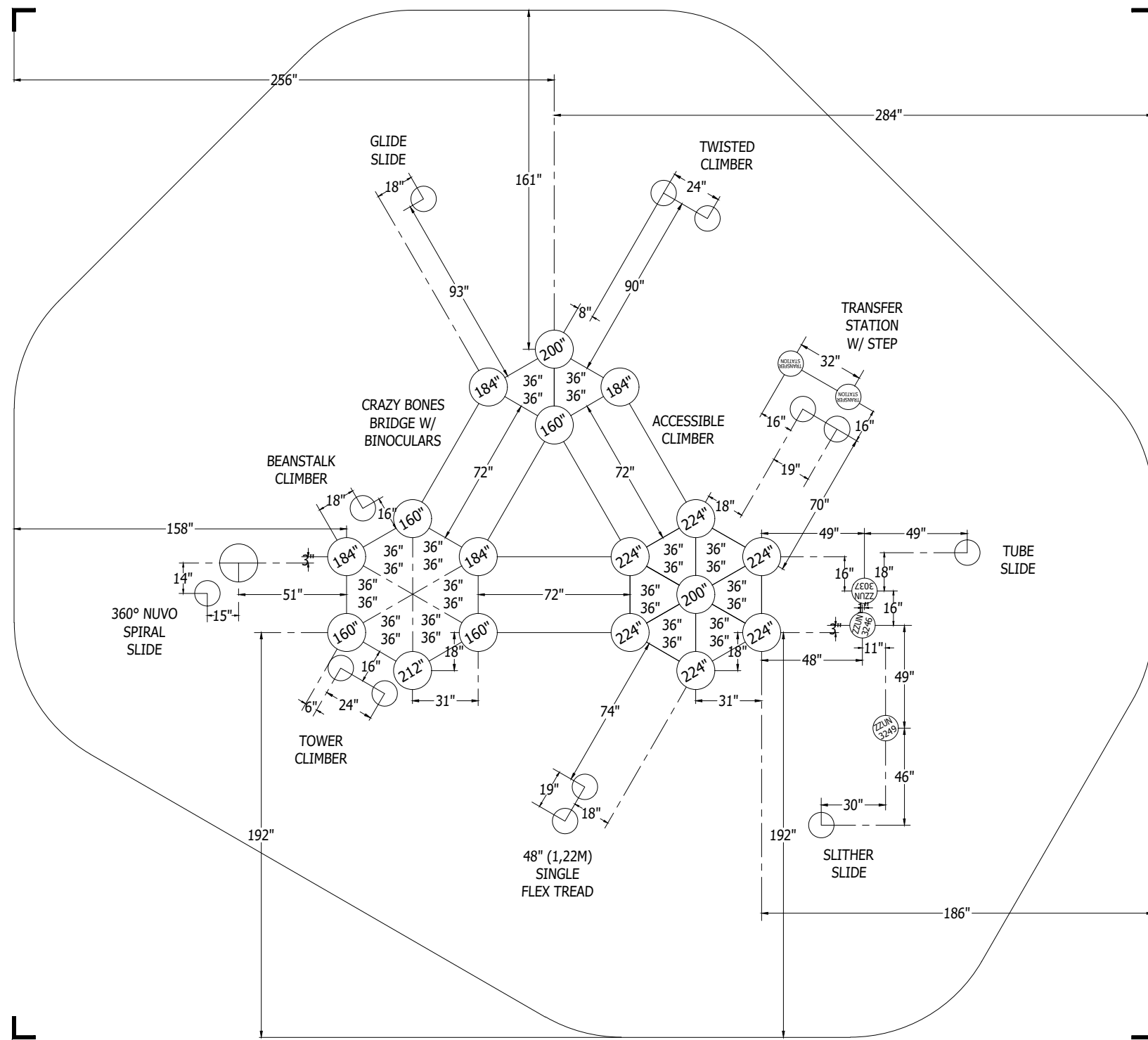
- INSTALLATION NOTES:**
- 1) Paved surfaces, such as asphalt and concrete, are not acceptable for use under your structure.
 - 2) It is the consumer's responsibility to check with local utilities prior to excavating footings for any underground utility lines that may exist within the installation area.
 - 3) It is the consumer's responsibility to check local soil conditions and drainage within the site area. Inquire with local contractors for appropriate recommendations.
 - 4) If the structure is to be installed across uneven terrain, maintain the support post mark for protective surfacing level at the lowest grade. Adjust other footings accordingly.
 - 5) The base of footings must be below frost lines.
 - 6) Do not encase the bottom of support posts in concrete. Place all posts directly on packed stone.
 - 7) Assemble the entire structure before pouring concrete unless specifically instructed to do so in the individual component installation instructions.
 - 8) Read completely the installation instructions provided with your structure prior to beginning construction.

- SITE NOTES:**
- 1) The site plan provided must be checked against the actual site area to ensure that placement of your structure meets required clearances.
 - 2) The dimensions labeled are for location of footing holes, not exact placement of equipment. Assemble, plumb, and level equipment before pouring concrete.
 - 3) There must be a minimum distance of 6' (1830mm) between any obstacle, sidewalk, etc., and your structure.
 - 4) Slides must have a use zone that extends out from the lower exit section of the slide a distance that is at least 6' (1830mm) or equal to the vertical distance from the highest point of the sliding surface to the top of the protective surfacing, whichever is greater. The slide use zone should not extend greater than 8' (2438mm) from the end of the lower exit section.
 - 5) The complete area, including the space under and around the equipment, must be covered with an impact attenuating material. See the 1997 publication, "Handbook for Public Playground Safety", published by the U.S. Consumer Product Safety Commission, for guidelines and recommendations on the type and depth of surfacing material. For a copy of the "Handbook for Public Playground Safety", write to: **U.S. Consumer Product Safety Commission, Office of Information and Public Affairs, Washington, D.C. 20207**
 - 6) Supervise children as they play.

FOOTING LEGEND

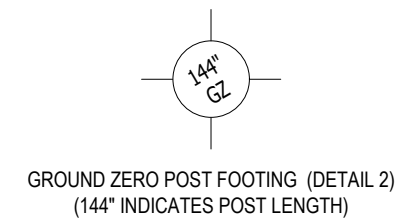
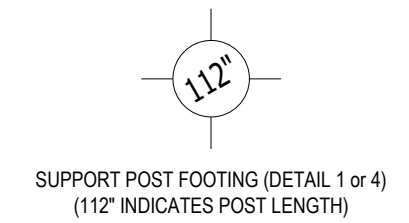
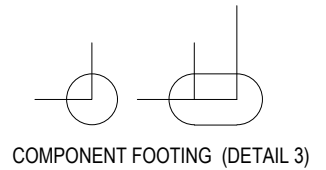


FOOTING DETAIL	SCALE: NOT TO SCALE
DRAWN BY: TECH SALES	Paper Size B
DATE: 28-JUNE-13	



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

FOOTING LEGEND



SKY HIGH
 CATALOG PRE-DESIGN

*PLAYGROUND SUPERVISION REQUIRED

PROJECT NO: 350-1513C	SCALE: 3/16"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
DATE: 20-DEC-17	

Sky High

Design Number: 350-1513C - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	4
2	ZZCH0069	3.5in OD x 184in STEEL POST W/O CAP	4
3	ZZCH0076	3.5in OD x 200in STEEL POST W/RIVETED CAP	1
4	ZZCH0077	3.5in OD x 200in STEEL POST W/O CAP	1
5	ZZCH0257	3.5in OD x 212in STEEL POST W/O CAP	1
6	ZZCH0259	3.5in OD x 224in STEEL POST W/O CAP	6
Decks & Kick Plates			
7	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	4
8	ZZCH0618	1/2 HEX COATED DECK ASSEMBLY	3
9	zzCH0619	FULL HEX COATED DECK ASSEMBLY	1
10	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	5
ADA Items			
11	ZZCH2027	TRANSFER STATION (48in DECK)	1
12	ZZCH8230	DECK TO DECK ACCESSIBLE CLIMBER (24in RISE)	1
13	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
14	ZZCH2696	GLIDE SLIDE (72in DECK)	1
15	ZZCH3006	30in ROUND TUBE SLIDE ENTRANCE/EXIT	1
16	ZZCH3206	SLITHER SLIDE 2.0 ENTRANCE & EXIT	1
17	ZZCH3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
18	ZZUN3008	30in ROUND LEFT TUBE SECTION	1
19	ZZUN3009	30in ROUND RIGHT TUBE SECTION	1
20	ZZUN3037	ROUND TUBE SLIDE SUPPORT LEG 2ft	1
21	ZZUN3207	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	1
22	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	6
23	ZZUN3246	SLITHER SLIDE 2.0 SUPPORT LEG 6ft-6in	1
24	ZZUN3249	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	1
Activity Panels			
25	ZZCH4290	POST MOUNTED STEERING WHEEL	1
26	ZZCH4356	BALCONY	1
27	ZZCH4578	ANYWHERE SEAT	2
28	ZZCH4646	STORE FRONT PANEL	1
29	ZZCH4836	NUVO ACTIVITY PANEL	3
30	ZZUN4438	TELESCOPE - PIPE WALL MOUNT WITH LENS (CH/EX)	1
31	ZZUN4857	NUVO - CONSTRUCTION PANEL INSERT	1
32	ZZUN4868	NUVO - GEAR PANEL INSERT	1
33	ZZUN4877	NUVO - SHIFTING SANDS PANEL INSERT	1
Crawl Tubes			
34	ZZCH5636	VERTICAL S ADVENTURE TUBE	1
Barriers			
35	ZZCH4095	CENTERLINE PIPE WALL BARRIER	1
36	ZZCH4456	UPPER SILO CLIMBER EXTENDED BARRIER	1

Sky High

Design Number: 350-1513C - Bill Of Material

Ref. No.	Part No.	Description	Quantity
37	ZZCH4745	CONTAINMENT PIPE WALL (HEX TOWER)	1
		Climbers	
38	ZZCH6996	GEO VERTICAL CLIMBER (48in DK)	1
39	ZZCH7160	6ft TWISTED CLIMBER	1
40	ZZCH7168	6ft TOWER CLIMBER	1
41	ZZCH7945	UPPER SILO CLIMBER	1
42	ZZCH8130	BEANSTALK CLIMBER (72in DECK)	1
43	ZZCH8266	48in SINGLE FLEX TREAD	1
		Bridges	
44	ZZCH6427	CRAZY BONES 6ft ARCH BRIDGE w/BINOCULARS	1
		Audible Activities	
45	ZZCH4467	GROUND TO GROUND BABBLE-ON	1
46	ZZCH4587	DRUM PANEL (GROUND LEVEL)	1
47	ZZCH4608	CHIME BANNER	1
		Roofs & Arches	
48	ZZCH9847	SMALL LOLLITOPS	2
49	ZZCH9848	MEDIUM LOLLITOPS	2
50	ZZCH9849	LARGE LOLLITOPS	2
51	ZZCH9858	CH HEX CABANA ROOF	1
		Additional Tool & Maintenance Kits	
52	ZZCHGUID	CHALLENGER GUIDELINES	1
53	ZZUN9910	SURFACING WARNING LABEL KIT	1
54	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

Sky High

Design Number: 350-1513C - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZCH0048	4	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	200.84			272	0	4.00	0.50	0
2	ZZCH0069	4	3.5in OD x 184in STEEL POST W/O CAP	Certified	226.84			292	0	4.00	0.50	0
3	ZZCH0076	1	3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	61.01			84	0	1.00	0.13	0
4	ZZCH0077	1	3.5in OD x 200in STEEL POST W/O CAP	Certified	61.01			79	0	1.00	0.13	0
5	ZZCH0257	1	3.5in OD x 212in STEEL POST W/O CAP	Certified	61.01			89	0	1.00	0.13	0
6	ZZCH0259	6	3.5in OD x 224in STEEL POST W/O CAP	Certified	387.06			533	0	6.00	0.78	0
7	ZZCH0617	4	TRIANGULAR COATED DECK ASSEMBLY	Certified	119.60			480	8	4.00	0.00	0
8	ZZCH0618	3	1/2 HEX COATED DECK ASSEMBLY	Certified	234.96			756	12	4.50	0.00	0
9	zzCH0619	1	FULL HEX COATED DECK ASSEMBLY	Certified	151.26			444	6	1.50	0.00	0
10	ZZUN2290	5	COATED DECK TO DECK CONNECTION KIT	Certified	1.45			19	0	2.50	0.00	0
11	ZZCH2027	1	TRANSFER STATION (48in DECK)	Certified	254.26			492	3	2.50	0.09	0
12	ZZCH8230	1	DECK TO DECK ACCESSIBLE CLIMBER (24in RISE)	Certified	295.60			894	2	1.50	0.00	1
13	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
14	ZZCH2696	1	GLIDE SLIDE (72in DECK)	Certified	151.63			653	2	2.00	0.03	1
15	ZZCH3006	1	30in ROUND TUBE SLIDE ENTRANCE/EXIT	Certified	145.10			847	2	2.00	0.03	1
16	ZZCH3206	1	SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	85.37			424	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	ZZUN3008	1	30in ROUND LEFT TUBE SECTION	Certified	26.02			181	0	0.25	0.00	0
19	ZZUN3009	1	30in ROUND RIGHT TUBE SECTION	Certified	26.02			181	0	0.25	0.00	0
20	ZZUN3037	1	ROUND TUBE SLIDE SUPPORT LEG 2ft	N/A	15.40			46	0	0.50	0.03	0
21	ZZUN3207	1	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59			128	0	0.25	0.00	0
22	ZZUN3208	6	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	117.54			801	0	1.50	0.00	0
23	ZZUN3246	1	SLITHER SLIDE 2.0 SUPPORT LEG 6ft-6in	Certified	21.61			74	0	0.25	0.03	0
24	ZZUN3249	1	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	Certified	15.01			62	0	0.25	0.03	0
25	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			44	1	0.25	0.00	1
26	ZZCH4356	1	BALCONY	Certified	71.66			214	2	1.00	0.00	1



Sky High

Design Number: 350-1513C - Compliance and Technical Data

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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
27	ZZCH4578	2	ANYWHERE SEAT	Certified	62.20			179	2	0.50	0.00	2
28	ZZCH4646	1	STORE FRONT PANEL	Certified	33.98			243	3	1.00	0.00	1
29	ZZCH4836	3	NUVO ACTIVITY PANEL	Certified	58.74			697	0	1.50	0.00	0
30	ZZUN4438	1	TELESCOPE - PIPE WALL MOUNT WITH LENS (CH/EX)	Certified	13.23			218	1	0.50	0.00	1
31	ZZUN4857	1	NUVO - CONSTRUCTION PANEL INSERT	Certified	30.80			401	1	0.50	0.00	1
32	ZZUN4868	1	NUVO - GEAR PANEL INSERT	Certified	24.14			375	1	0.50	0.00	1
33	ZZUN4877	1	NUVO - SHIFTING SANDS PANEL INSERT	Certified	24.18			280	1	0.50	0.00	1
34	ZZCH5636	1	VERTICAL S ADVENTURE TUBE	Certified	132.02			1,056	3	3.00	0.00	1
35	ZZCH4095	1	CENTERLINE PIPE WALL BARRIER	Certified	28.74			71	0	0.50	0.00	0
36	ZZCH4456	1	UPPER SILO CLIMBER EXTENDED BARRIER	Certified	30.28			75	0	0.50	0.00	0
37	ZZCH4745	1	CONTAINMENT PIPE WALL (HEX TOWER)	Certified	36.60			102	0	0.50	0.00	0
38	ZZCH6996	1	GEO VERTICAL CLIMBER (48in DK)	Certified	57.76			217	1	1.00	0.00	1
39	ZZCH7160	1	6ft TWISTED CLIMBER	Certified	117.65			241	2	2.00	0.60	1
40	ZZCH7168	1	6ft TOWER CLIMBER	Certified	100.77			242	2	2.00	0.06	1
41	ZZCH7945	1	UPPER SILO CLIMBER	Certified	136.94			259	1	2.00	0.00	1
42	ZZCH8130	1	BEANSTALK CLIMBER (72in DECK)	Certified	92.45			424	2	1.50	0.03	1
43	ZZCH8266	1	48in SINGLE FLEX TREAD	Certified	118.67			615	2	3.00	0.06	1
44	ZZCH6427	1	CRAZY BONES 6ft ARCH BRIDGE w/BINOCULARS	Certified	308.76			2,016	2	4.00	0.00	1
45	ZZCH4467	1	GROUND TO GROUND BABBLE-ON	Certified	43.15			240	2	1.50	0.00	1
46	ZZCH4587	1	DRUM PANEL (GROUND LEVEL)	Certified	44.64			407	2	1.00	0.00	1
47	ZZCH4608	1	CHIME BANNER	Certified	26.43			260	2	0.75	0.00	1
48	ZZCH9847	2	SMALL LOLLITOPS	Certified	30.08			179	0	0.50	0.00	0
49	ZZCH9848	2	MEDIUM LOLLITOPS	Certified	58.08			286	0	0.50	0.00	0
50	ZZCH9849	2	LARGE LOLLITOPS	Certified	100.08			452	0	0.50	0.00	0
51	ZZCH9858	1	CH HEX CABANA ROOF	Certified	194.15			818	0	1.00	0.00	0
52	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0



Sky High

Design Number: 350-1513C - 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
53	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
54	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					5,348.08	644	1,173	20,022	73	82.25	3.37	25
					2,406.64 Kg	290 Kg	528 Kg	20 Metric Tons				2.56 m3



Sky High

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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
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ASTM F1487

The lay-out for this custom playscape, design number 350-1513C, 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.

