

350-1733

Equipment Manufacturer



350-1733

Equipment Manufacturer





PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

EQUIPMENT SIZE:

25'8" x 17'4" x 13'10"

7,82M x 5,28M x 4,22M

USE ZONE:

37'10" x 29'10"

11,54M x 9,10M

AREA:

945 SqFt.

87,79 SqM.

PERIMETER:

113 Ft.

34,44M

FALL HEIGHT:

9 Ft.

2,75M

USER CAPACITY:

38

AGE GROUP:

5-12

ADA SCHEDULE	Total Elevated Play Activities: 9		
	Total Ground-Level Play Activities: 3		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	5	3	3
Provided	9	3	3

✓ ASTM F1487-17

✓ CPSC #325



PROJECT NO:

350-1733A

SCALE:

1/4"=1'-0"

DRAWN BY:

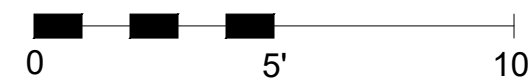
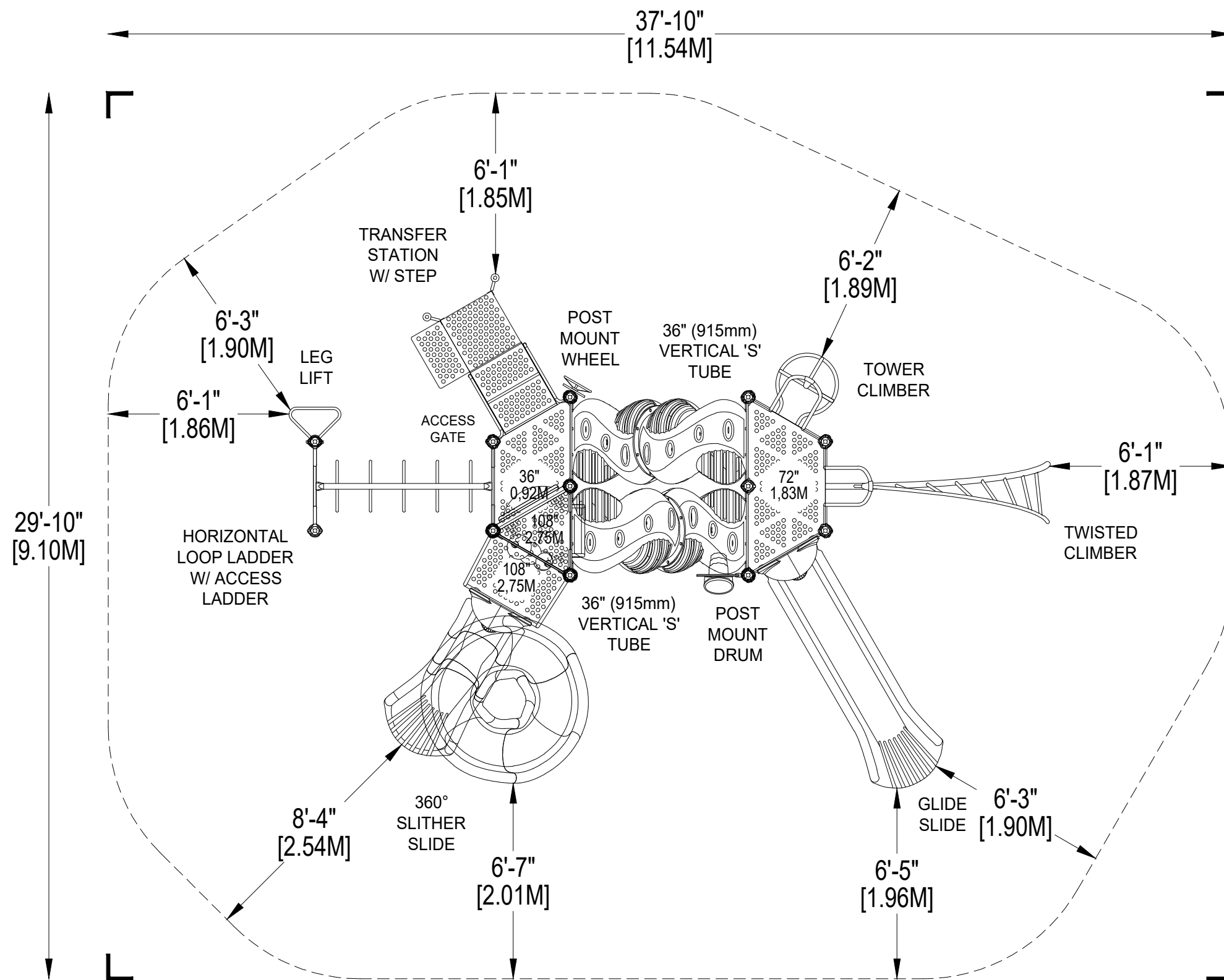
M. MERTZ

Paper Size

B

DATE:

20-DEC-17



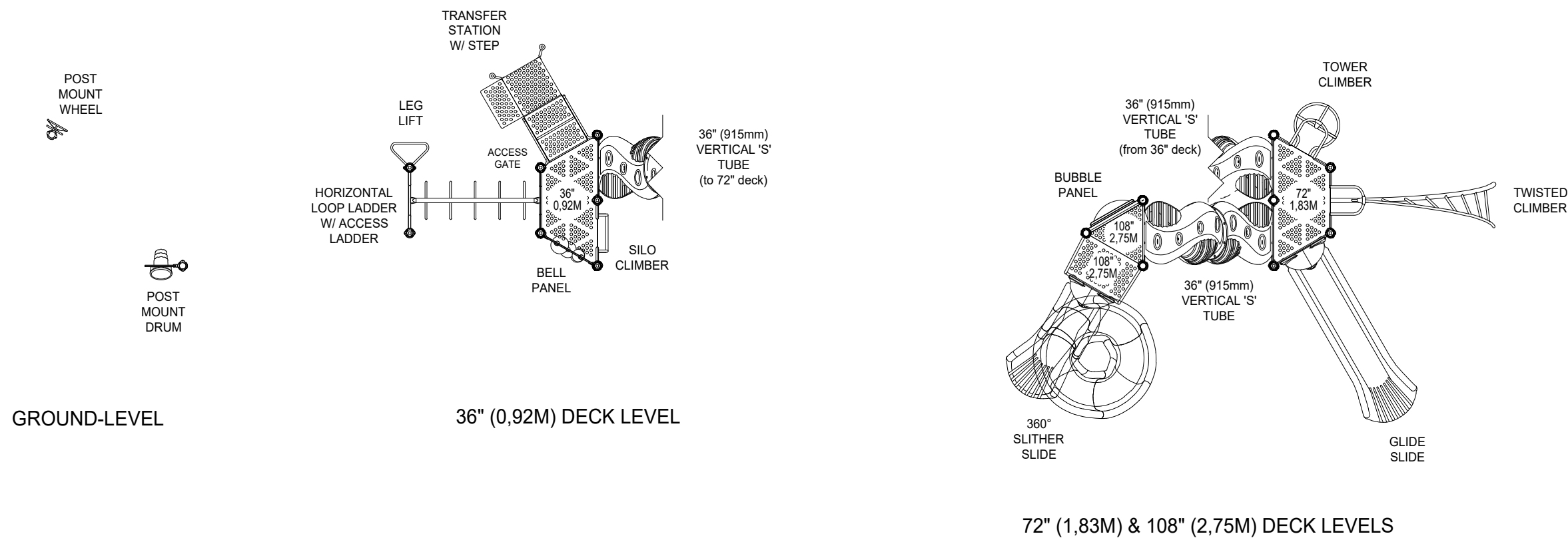
*PLAYGROUND SUPERVISION REQUIRED

350-1733
CATALOG PRE-DESIGN

NOTES:

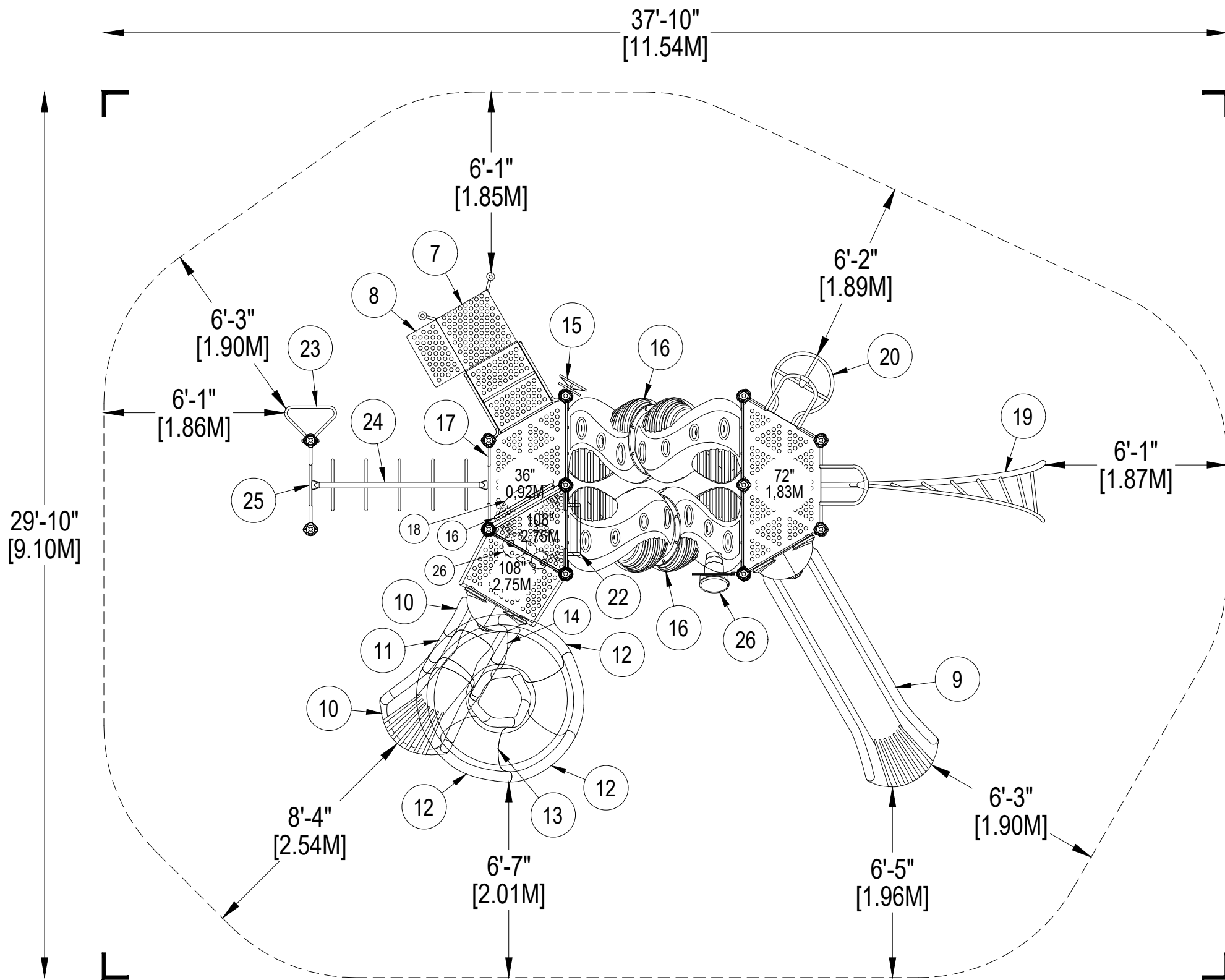
- 1) This tower detail is a diagram of the individual level layouts of the tower portion of your play structure, showing the detailed component layout of each level.
- 2) This tower detail is not to scale and is meant for reference purposes only. It should not be used in obtaining accurate measurements 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®.

350-1733
 CATALOG PRE-DESIGN



TOWER DETAIL:
Detail 1

PROJECT NO: 350-1733	SCALE: NOT TO SCALE
DRAWN BY: M. MERTZ	Paper Size B
DATE: 17-JAN-17	



29'-10"
[9.10M]

37'-10"
[11.54M]



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USE ZONE:
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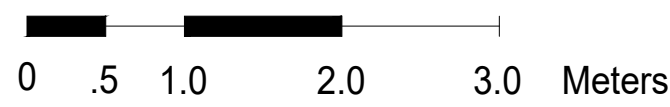
AREA: **945 SqFt.** PERIMETER: **113 Ft.**
87,79 SqM. 34,44M

FALL HEIGHT:
9 Ft.
2,75M

USER CAPACITY: **38** AGE GROUP: **5-12**

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- ✓ ASTM F1487-17
- ✓ CPSC #325



*PLAYGROUND SUPERVISION REQUIRED

350-1733
CATALOG PRE-DESIGN

PROJECT NO:
350-1733A

SCALE:
1/4"=1'-0"

DRAWN BY:
M. MERTZ

Paper Size

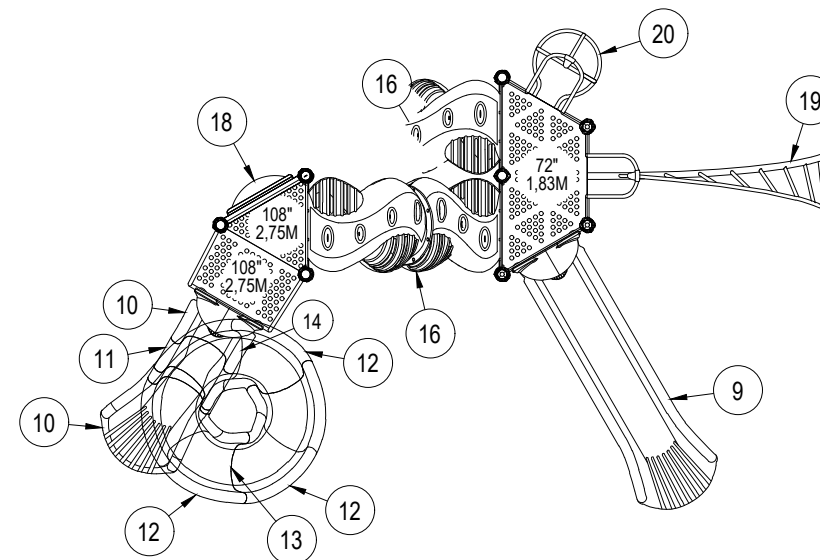
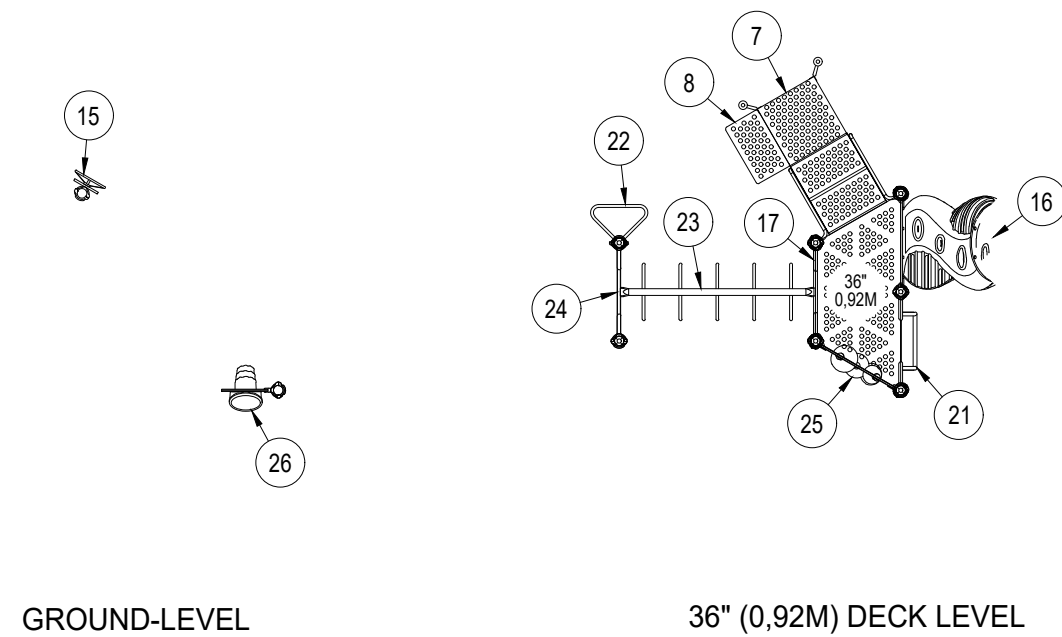
DATE:
20-DEC-17

B

NOTES:

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350-1733
 CATALOG PRE-DESIGN



GROUND-LEVEL

36" (0,92M) DECK LEVEL

72" (1,83M) & 108" (2,75M) DECK LEVELS

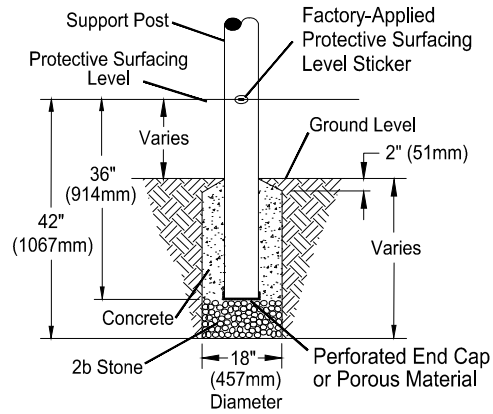
TOWER DETAIL:

Detail 1

PROJECT NO: 350-1733	SCALE: NOT TO SCALE
DRAWN BY: M. MERTZ	Paper Size B
DATE: 17-JAN-17	

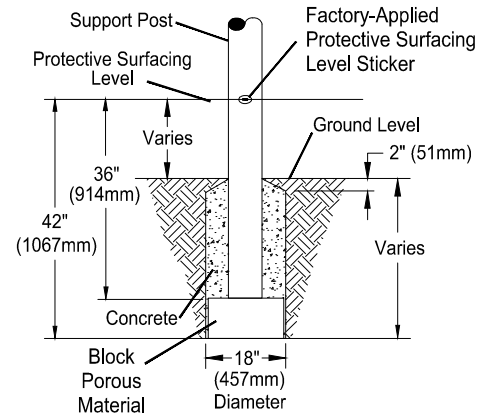
DETAIL 1

Support Post, Spiral Slide and RockBlocks Post Footing Detail



STONE OPTION

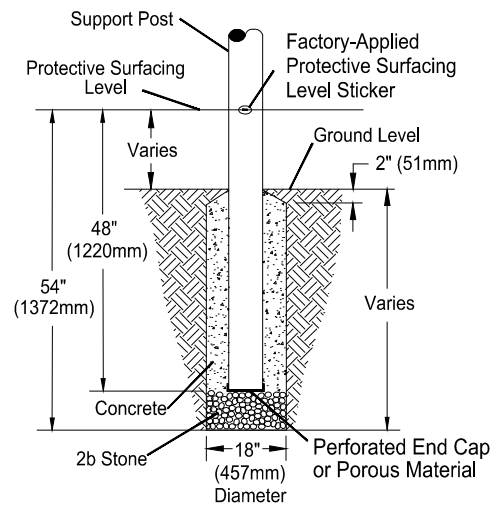
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BLOCK OPTION

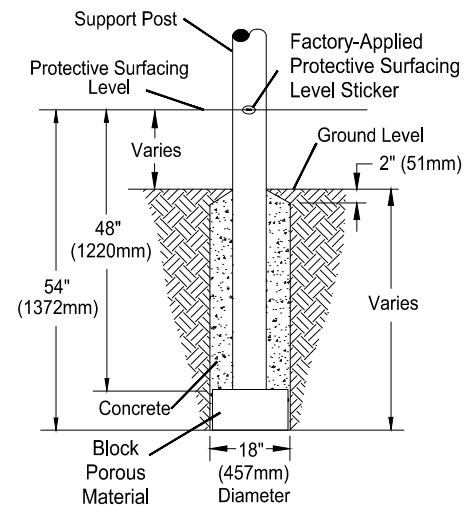
DETAIL 2

GroundZero, Cantilever and "T" Post Footing Detail



STONE OPTION

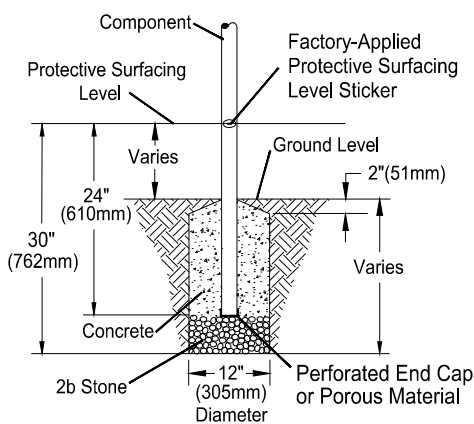
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BLOCK OPTION

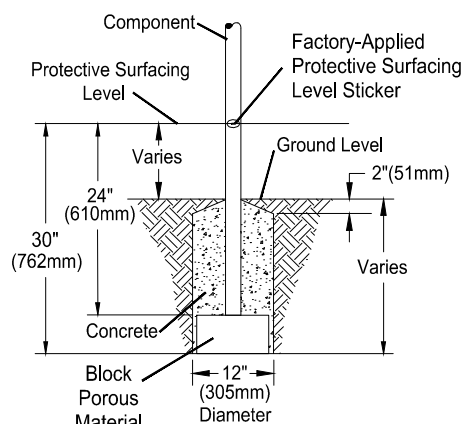
DETAIL 3

Component Footing Detail



STONE OPTION

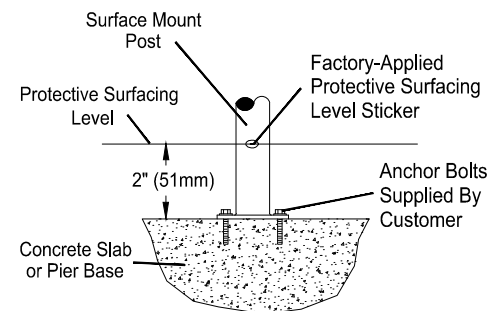
OR



BLOCK OPTION

DETAIL 4

Surface Mount Detail



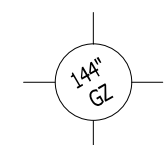
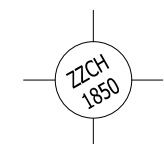
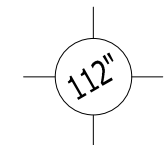
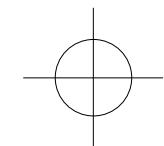
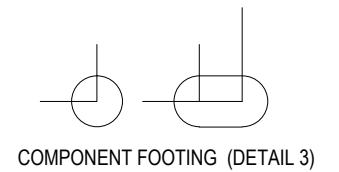
INSTALLATION NOTES:

- 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

DATE:
28-JUNE-13

B

350-1733

Design Number: 350-1733A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	1
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	3
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	5
4	ZZCH0076	3.5in OD x 200in STEEL POST W/RIVETED CAP	3
Decks & Kick Plates			
5	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	1
6	ZZCH0618	1/2 HEX COATED DECK ASSEMBLY	2
ADA Items			
7	ZZCH2007	TRANSFER STATION w/TALL GUARDRAIL (36in DECK)	1
8	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
9	ZZCH2696	GLIDE SLIDE (72in DECK)	1
10	ZZCH3216	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	1
11	ZZUN3207	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	1
12	ZZUN3218	SLITHER SLIDE 2.0 (LEFT 120° SECTION)	3
13	ZZUN3247	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	1
14	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	1
Activity Panels			
15	ZZCH4290	POST MOUNTED STEERING WHEEL	1
Crawl Tubes			
16	ZZCH5636	VERTICAL S ADVENTURE TUBE	2
Barriers			
17	ZZCH4288	ACCESS GATE	1
18	ZZCH4811	OVAL BUBBLE PANEL (DECK MOUNT)	1
Climbers			
19	ZZCH7160	6ft TWISTED CLIMBER	1
20	ZZCH7168	6ft TOWER CLIMBER	1
21	ZZCH7949	SILO CLIMBER (36in DECK)	1
Overhead Events			
22	ZZCH5770	LEG LIFT	1
23	ZZCH5780	6ft HORIZONTAL LOOP LADDER	1
24	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
Audible Activities			
25	ZZCH4588	BELL PANEL	1
26	ZZCH4649	POST MOUNT DRUM	1
Additional Tool & Maintenance Kits			
27	ZZCHGUID	CHALLENGER GUIDELINES	1
28	ZZUN9910	SURFACING WARNING LABEL KIT	1
29	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

350-1733

Design Number: 350-1733A - 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	ZZCH0018	1	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	38.91			54	0	1.00	0.13	0
2	ZZCH0028	3	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	130.53			176	0	3.00	0.38	0
3	ZZCH0048	5	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	251.05			340	0	5.00	0.63	0
4	ZZCH0076	3	3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	183.03			252	0	3.00	0.38	0
5	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	Certified	29.90			120	2	1.00	0.00	0
6	ZZCH0618	2	1/2 HEX COATED DECK ASSEMBLY	Certified	156.64			504	8	3.00	0.00	0
7	ZZCH2007	1	TRANSFER STATION w/TALL GUARDRAIL (36in DECK)	Certified	148.40			310	2	2.00	0.09	0
8	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
9	ZZCH2696	1	GLIDE SLIDE (72in DECK)	Certified	151.63			653	2	2.00	0.03	1
10	ZZCH3216	1	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	Certified	162.06			633	2	2.50	0.03	1
11	ZZUN3207	1	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59			128	0	0.25	0.00	0
12	ZZUN3218	3	SLITHER SLIDE 2.0 (LEFT 120° SECTION)	Certified	125.04			695	0	0.75	0.00	0
13	ZZUN3247	1	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	Certified	19.41			70	0	0.25	0.03	0
14	ZZUN3256	1	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	12.81			59	0	0.25	0.03	0
15	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			44	1	0.25	0.00	1
16	ZZCH5636	2	VERTICAL S ADVENTURE TUBE	Certified	264.04			2,112	6	6.00	0.00	2
17	ZZCH4288	1	ACCESS GATE	Certified	17.34			65	0	0.50	0.00	0
18	ZZCH4811	1	OVAL BUBBLE PANEL (DECK MOUNT)	N/A	33.39			243	0	1.00	0.00	0
19	ZZCH7160	1	6ft TWISTED CLIMBER	Certified	117.65			241	2	2.00	0.60	1
20	ZZCH7168	1	6ft TOWER CLIMBER	Certified	100.77			242	2	2.00	0.06	1
21	ZZCH7949	1	SILO CLIMBER (36in DECK)	Certified	70.33			129	1	1.50	0.06	1
22	ZZCH5770	1	LEG LIFT	Certified	6.76			30	1	0.50	0.00	1
23	ZZCH5780	1	6ft HORIZONTAL LOOP LADDER	Certified	55.72			124	4	1.00	0.00	1



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24	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	25.12			71	1	1.50	0.06	0
25	ZZCH4588	1	BELL PANEL	Certified	46.07			357	2	1.00	0.00	1
26	ZZCH4649	1	POST MOUNT DRUM	Certified	12.78			167	1	0.50	0.00	1
27	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
28	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
29	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					2,222.68	290	561	7,980	38	43.25	2.53	12
					1,000.21 Kg	131 Kg	252 Kg	8 Metric Tons			1.92 m3	



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Design Number: 350-1733A - 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
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ASTM F1487

The lay-out for this custom playscape, design number 350-1733A, 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.

