

# Alcazar

IPL-1420

Equipment Manufacturer



FRONT



SIDE





Playworld Systems, Inc.  
 1000 Buffalo Road  
 Lewisburg, PA  
 17837-9795 USA

EQUIPMENT SIZE:  
**9,92M x 4,94M x 4,81M**

USE ZONE:  
**14,11M x 8,89M**

AREA: **69,85 SqM**      PERIMETER: **39,44M**

FALL HEIGHT:  
**2,13M**

USER CAPACITY: **32**      AGE GROUP: **6-14**

✓ EN-1176

PROJECT NO:  
**IPL-1420B**

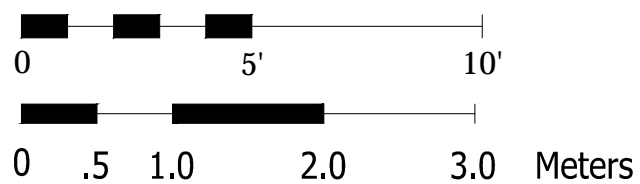
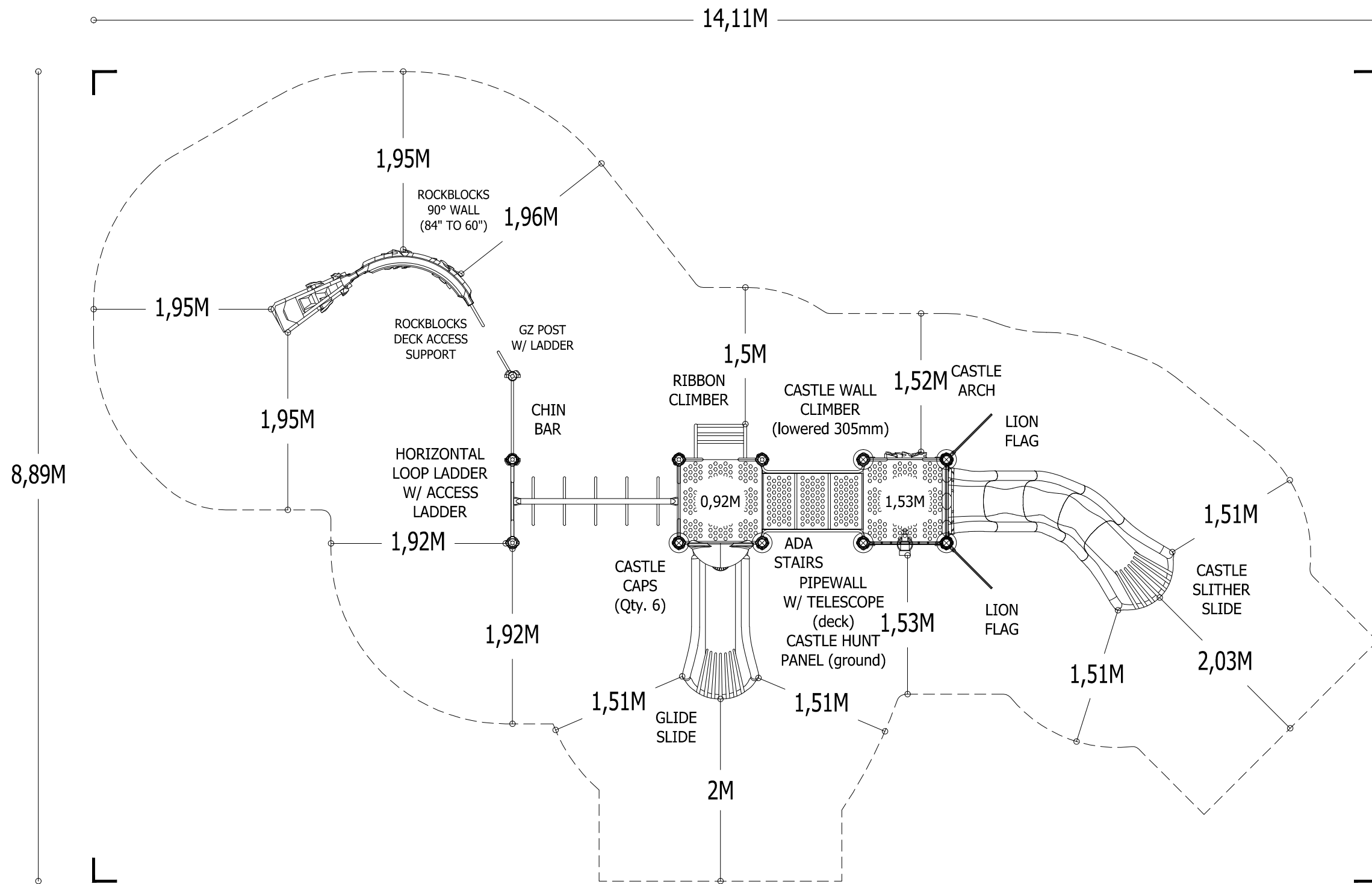
SCALE:  
**1:50**

DRAWN BY:  
**J. KAZAKAVAGE**

Paper Size

DATE:  
**11-SEP-15**

**A3**



\*PLAYGROUND SUPERVISION REQUIRED

**ALCAZAR**  
 INTERNATIONAL COLLECTION

# ALCAZAR

Design Number: IPL-1420B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>Posts</b>			
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	ZZCH0039	3.5in OD x 148in STEEL POST W/O CAP	2
4	ZZCH0059	3.5in OD x 172in STEEL POST W/O CAP	2
5	ZZCH0257	3.5in OD x 212in STEEL POST W/O CAP	2
6	ZZCH0297	POST W/ LADDER CLIMBER (36in OR 48in DECK)	1
<b>Decks &amp; Kick Plates</b>			
7	ZZCH0616	SQUARE COATED DECK ASSEMBLY	2
<b>Slides</b>			
8	ZZCH3127	GLIDE SLIDE (36in DECK)	1
9	ZZCH8497	SLITHER SLIDE ENTRY/EXIT (CASTLE THEME) W/OUT TOP	1
10	ZZUN3207	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	1
11	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	2
12	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	1
<b>Activity Panels</b>			
13	ZZCH8519	CASTLE TREASURE HUNT (GROUND)	1
14	ZZUN4279	TELESCOPE PIPE WALL MOUNT (CH/EX)	1
<b>Barriers</b>			
15	ZZCH4095	CENTERLINE PIPE WALL BARRIER	1
16	ZZCH4288	ACCESS GATE	1
<b>Climbers</b>			
17	ZZCH8289	RIBBON CLIMBER (36in DECK)	1
18	ZZCH8520	CASTLE CLIMBER (72in DECK)	1
19	ZZUN0167	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	1
20	ZZUN0176	ROCKBLOCKS Z SUPPORT (60in WALL)	1
21	ZZUN8358	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	1
22	ZZUN8360	ROCKBLOCKS END WALL (60in)	1
<b>Overhead Events</b>			
23	ZZCH5736	CHINNING - TURNING BAR	1
24	ZZCH5780	6ft HORIZONTAL LOOP LADDER	1
25	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
<b>Roofs &amp; Arches</b>			
26	ZZCH8500	CASTLE ARCH	1
27	ZZCH8506	CASTLE CAP	6
28	ZZCH8538	POST FLAG - LION	2
<b>Stairs and Ladders</b>			
29	ZZCH9170	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
<b>Additional Tool &amp; Maintenance Kits</b>			
30	ZZCHGUID	CHALLENGER GUIDELINES	1
31	ZZUN9910	SURFACING WARNING LABEL KIT	1
32	ZZUN9935	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	1
33	ZZXX0049	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	1



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<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Quantity</b>
34	ZZXX0109	EN-1176 LABEL	1
35	ZZXX0146	TELESCOPE EN PLUG KIT	1

# ALCAZAR

Design Number: IPL-1420B - Compliance and Technical Data

Reference Document: EN1176:2008

Ref. No.	Part No.	Qty.	Description	Unit EN 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	ZZCH0039	2	3.5in OD x 148in STEEL POST W/O CAP	Certified	92.42			117	0	2.00	0.25	0
4	ZZCH0059	2	3.5in OD x 172in STEEL POST W/O CAP	Certified	103.22			136	0	2.00	0.25	0
5	ZZCH0257	2	3.5in OD x 212in STEEL POST W/O CAP	Certified	122.02			178	0	2.00	0.26	0
6	ZZCH0297	1	POST W/ LADDER CLIMBER (36in OR 48in DECK)	Certified	52.81			74	1	0.50	0.18	1
7	ZZCH0616	2	SQUARE COATED DECK ASSEMBLY	Certified	109.72			348	6	2.00	0.00	0
8	ZZCH3127	1	GLIDE SLIDE (36in DECK)	Certified	99.73			374	3	2.00	0.03	1
9	ZZCH8497	1	SLITHER SLIDE ENTRY/EXIT (CASTLE THEME) W/OUT TOP	N/A	83.64			586	2	2.00	0.03	1
10	ZZUN3207	1	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59			128	0	0.25	0.00	0
11	ZZUN3208	2	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	39.18			267	0	0.50	0.00	0
12	ZZUN3256	1	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	12.81			59	0	0.25	0.03	0
13	ZZCH8519	1	CASTLE TREASURE HUNT (GROUND)	Certified	42.56			416	1	2.00	0.00	1
14	ZZUN4279	1	TELESCOPE PIPE WALL MOUNT (CH/EX)	Certified	12.23			61	1	0.50	0.00	1
15	ZZCH4095	1	CENTERLINE PIPE WALL BARRIER	Certified	28.74			71	0	0.50	0.00	0
16	ZZCH4288	1	ACCESS GATE	Certified	17.34			65	0	0.50	0.00	0
17	ZZCH8289	1	RIBBON CLIMBER (36in DECK)	Certified	35.02			101	2	1.50	0.06	1
18	ZZCH8520	1	CASTLE CLIMBER (72in DECK)	Certified	90.69			735	2	0.00	0.00	1
19	ZZUN0167	1	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	Certified	43.86			70	1	1.00	0.13	1
20	ZZUN0176	1	ROCKBLOCKS Z SUPPORT (60in WALL)	Certified	31.01			44	0	1.00	0.13	0
21	ZZUN8358	1	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	Certified	119.07			824	4	0.50	0.00	1
22	ZZUN8360	1	ROCKBLOCKS END WALL (60in)	Certified	76.13			405	2	1.00	0.13	1
23	ZZCH5736	1	CHINNING - TURNING BAR	Certified	5.95			41	1	0.50	0.00	1



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24	ZZCH5780	1	6ft HORIZONTAL LOOP LADDER	Certified	55.72			124	4	1.00	0.00	1
25	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	25.12			71	1	1.50	0.06	0
26	ZZCH8500	1	CASTLE ARCH	Certified	23.60			258	0	0.50	0.00	0
27	ZZCH8506	6	CASTLE CAP	Certified	20.10			280	0	1.50	0.00	0
28	ZZCH8538	2	POST FLAG - LION	Certified	24.60			258	0	0.50	0.00	0
29	ZZCH9170	1	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	135.24			296	1	2.00	0.00	0
30	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
31	ZZUN9910	1	SURFACING WARNING LABEL KIT	N/A	0.05			1	0	0.25	0.00	0
32	ZZUN9935	1	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	N/A				57				
33	ZZXX0049	1	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	Certified	4.51			158	0	0.00	0.00	0
34	ZZXX0109	1	EN-1176 LABEL	Certified	0.01			0	0	0.50	0.00	0
35	ZZXX0146	1	TELESCOPE EN PLUG KIT	Certified				0	0	0.10	0.00	0
<b>Totals:</b>					<b>1,696.13</b>	<b>212</b>	<b>377</b>	<b>6,832</b>	<b>32</b>	<b>34.60</b>	<b>2.04</b>	<b>12</b>
					<b>763.26 Kg</b>	<b>95 Kg</b>	<b>170 Kg</b>	<b>7 Metric Tons</b>			<b>1.55 m3</b>	



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## EN1176:2008

This custom structure, drawing number IPL-1420B, has been designed to meet the general safety requirements of EN1176:2008. These requirements have been established with the consideration of the risk factor on available data. The items listed as certified have been reviewed and approved by a third party certification service. In addition to the product listing the overall layout and design of this structure, as shown in the plan, was completed in accordance with the general safety requirements of EN1176:2008.

## 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. [E.g. 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.

