

# Play Fundamentals

*International Collection*

Equipment Manufacturer



## **IPL-1404**

AGES: 3-14

PLAY EVENTS: 6

USE ZONES: 9,03m x 9,81m

WEIGHT: 595kg

SIZE: 4,50m x 5,94m x 2,27m

CAPACITY: 17

TO INSTALL: 24.50 hours

**FRONT**

**BACK**



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

EQUIPMENT SIZE:  
**3,58M x 3,39M x 3,14M**

USE ZONE:  
**7,48M x 6,75M**

AREA: **38,73M<sup>2</sup>** PERIMETER: **24,56M**

FALL HEIGHT:  
**0,92M**

USER CAPACITY: **19** AGE GROUP: **3-14**

EN-1176

PROJECT NO:  
**IPL-1403B**

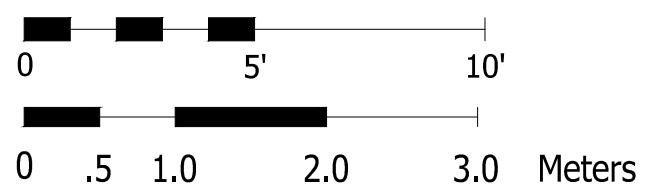
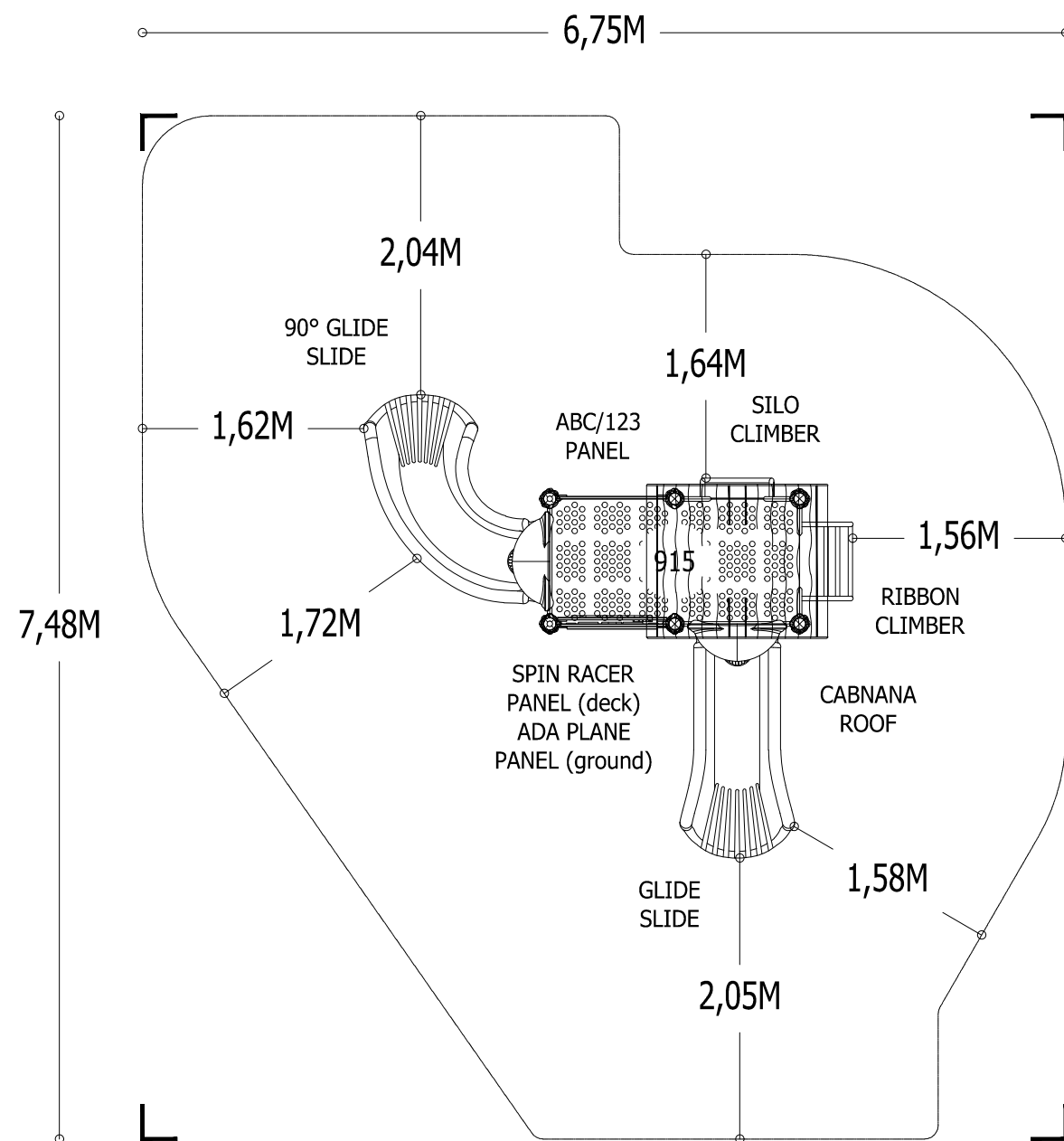
SCALE:  
**1:50**

DRAWN BY:  
**I. PERKINS**

Paper Size

DATE:  
**02-FEB-16**

**A3**



\*PLAYGROUND SUPERVISION REQUIRED

**IPL-1403**  
CATALOG PRE-DESIGN

# IPL-1404A

Design Number: IPL-1404B - Bill Of Material

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Quantity</b>
<b>Posts</b>			
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	2
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	4
3	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	3
<b>Decks &amp; Kick Plates</b>			
4	ZZCH0616	SQUARE COATED DECK ASSEMBLY	1
5	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	1
<b>Slides</b>			
6	ZZCH2658	GLIDE SLIDE (60in DECK)	1
7	ZZCH3127	GLIDE SLIDE (36in DECK)	1
<b>Barriers</b>			
8	ZZCH4288	ACCESS GATE	1
<b>Climbers</b>			
9	ZZCH7007	GEO ARCH CLIMBER (60in DK)	1
10	ZZCH8100	BEANSTALK CLIMBER (36in DECK)	1
<b>Overhead Events</b>			
11	ZZCH5770	LEG LIFT	1
12	ZZCH5780	6ft HORIZONTAL LOOP LADDER	1
13	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
<b>Stairs and Ladders</b>			
14	ZZCH9170	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
<b>Additional Tool &amp; Maintenance Kits</b>			
15	ZZCHGUID	CHALLENGER GUIDELINES	1
16	ZZUN9910	SURFACING WARNING LABEL KIT	1
17	ZZUN9935	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	1
18	ZZUN9995	TOOL AND ADDITIONAL PARTS KIT W/O AEROSOL	1
19	ZZXX0049	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	1
20	ZZXX0109	EN-1176 LABEL	1

# IPL-1404A

Post/Installation: Steel-Footed

Design Number: IPL-1404B - Pricing Schedule  
2016 Pricing

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
<b>Modular Playscape:</b>							
<b>Posts</b>							
1	ZZCH0018	2	3.5in OD x 124in STEEL POST W/RIVETED CAP	38.91	164.00	77.82	328.00
2	ZZCH0028	4	3.5in OD x 136in STEEL POST W/ RIVETED CAP	43.51	175.00	174.04	700.00
3	ZZCH0038	3	3.5in OD x 148in STEEL POST W/ RIVETED CAP	47.11	184.00	141.33	552.00
<b>Decks &amp; Kick Plates</b>							
4	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	54.86	791.00	54.86	791.00
5	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	29.9	551.00	29.90	551.00
<b>Slides</b>							
6	ZZCH2658	1	GLIDE SLIDE (60in DECK)	135.48	1,464.00	135.48	1,464.00
7	ZZCH3127	1	GLIDE SLIDE (36in DECK)	99.73	1,004.00	99.73	1,004.00
<b>Barriers</b>							
8	ZZCH4288	1	ACCESS GATE	17.34	278.00	17.34	278.00
<b>Climbers</b>							
9	ZZCH7007	1	GEO ARCH CLIMBER (60in DK)	71.65	1,320.00	71.65	1,320.00
10	ZZCH8100	1	BEANSTALK CLIMBER (36in DECK)	69.63	1,145.00	69.63	1,145.00
<b>Overhead Events</b>							
11	ZZCH5770	1	LEG LIFT	6.76	108.00	6.76	108.00
12	ZZCH5780	1	6ft HORIZONTAL LOOP LADDER	55.72	565.00	55.72	565.00
13	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	25.12	368.00	25.12	368.00
<b>Stairs and Ladders</b>							
14	ZZCH9170	1	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	135.24	1,845.00	135.24	1,845.00
<b>Additional Tool &amp; Maintenance Kits</b>							
15	ZZCHGUID	1	CHALLENGER GUIDELINES	0	0.00	0.00	0.00
16	ZZUN9910	1	SURFACING WARNING LABEL KIT	0.05	0.00	0.05	0.00
17	ZZUN9935	1	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	0	0.00	0.00	0.00
18	ZZUN9995	1	TOOL AND ADDITIONAL PARTS KIT W/O AEROSOL	0	0.00	0.00	0.00
19	ZZXX0049	1	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	4.51	0.00	4.51	0.00
20	ZZXX0109	1	EN-1176 LABEL	0.01	0.00	0.01	0.00
<b>Total:</b>						<b>1,099.19</b>	<b>11,019.00</b>
<b>Independent Items:</b>							
<b>Total:</b>						<b>0.00</b>	<b>0.00</b>



# IPL-1404A

Post/Installation: Steel-Footed

Design Number: IPL-1404B - Pricing Schedule  
2016 Pricing

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
<b>Grand Total:</b>						<b>1,099.19</b>	<b>11,019.00</b>

Please Note:

1. When placing an order for this project, the drawing number is representative of the Playmakers, Challengers or Explorers playstructure only. Items listed under 'Independent Items' must be listed on your purchase order separately to be included.



# IPL-1404A

Design Number: IPL-1404B - 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	2	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	77.82			108	0	2.00	0.25	0
2	ZZCH0028	4	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	174.04			234	0	4.00	0.50	0
3	ZZCH0038	3	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	141.33			190	0	3.00	0.38	0
4	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86			174	3	1.00	0.00	0
5	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	Certified	29.90			120	2	1.00	0.00	0
6	ZZCH2658	1	GLIDE SLIDE (60in DECK)	Certified	135.48			562	2	2.00	0.03	1
7	ZZCH3127	1	GLIDE SLIDE (36in DECK)	Certified	99.73			374	3	2.00	0.03	1
8	ZZCH4288	1	ACCESS GATE	Certified	17.34			65	0	0.50	0.00	0
9	ZZCH7007	1	GEO ARCH CLIMBER (60in DK)	N/A	71.65			239	2	2.00	0.06	1
10	ZZCH8100	1	BEANSTALK CLIMBER (36in DECK)	Certified	69.63			273	1	1.00	0.03	1
11	ZZCH5770	1	LEG LIFT	N/A	6.76			30	1	0.50	0.00	1
12	ZZCH5780	1	6ft HORIZONTAL LOOP LADDER	Certified	55.72			124	4	1.00	0.00	1
13	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	25.12			71	1	1.50	0.06	0
14	ZZCH9170	1	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	135.24			296	1	2.00	0.00	0
15	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
16	ZZUN9910	1	SURFACING WARNING LABEL KIT	N/A	0.05			1	0	0.25	0.00	0
17	ZZUN9935	1	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	N/A				57				
18	ZZUN9995	1	TOOL AND ADDITIONAL PARTS KIT W/O AEROSOL	N/A				42				
19	ZZXX0049	1	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	Certified	4.51			158	0	0.00	0.00	0
20	ZZXX0109	1	EN-1176 LABEL	Certified	0.01			0	0	0.50	0.00	0
<b>Totals:</b>					<b>1,099.19</b>	<b>158</b>	<b>325</b>	<b>3,117</b>	<b>20</b>	<b>24.50</b>	<b>1.33</b>	<b>6</b>



# IPL-1404A

Design Number: IPL-1404B - 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
						494.64 Kg	71 Kg	146 Kg	3 Metric Tons			1.01 m3	



# IPL-1404A

Design Number: IPL-1404B - 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
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## EN1176:2008

This custom structure, drawing number IPL-1404B, 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.

