

Kyoto Tranquility

IPL-1425

Equipment Manufacturer



FRONT



SIDE





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

EQUIPMENT SIZE:
11,61M x 9,03M x 3,57M

USE ZONE:
15,24M x 12,41M

AREA: **118,19 SqM** PERIMETER: **52,45M**

FALL HEIGHT:
2,15M

USER CAPACITY: **41** AGE GROUP: **6-14**

| | | | |
|--------------|--|------------------------------------|------------------------------------|
| ADA SCHEDULE | Total Elevated Play Activities: 10 | | |
| | Total Ground-Level Play Activities: 3 | | |
| | Accessible Elevated Activities | Accessible Ground-Level Activities | Accessible Ground-Level Play Types |
| Required | 5 | 3 | 3 |
| Provided | 10 | 3 | 3 |

✓ EN-1176



PROJECT NO:
IPL-1425B

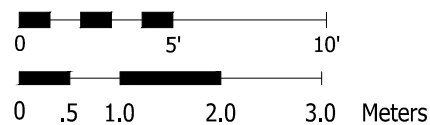
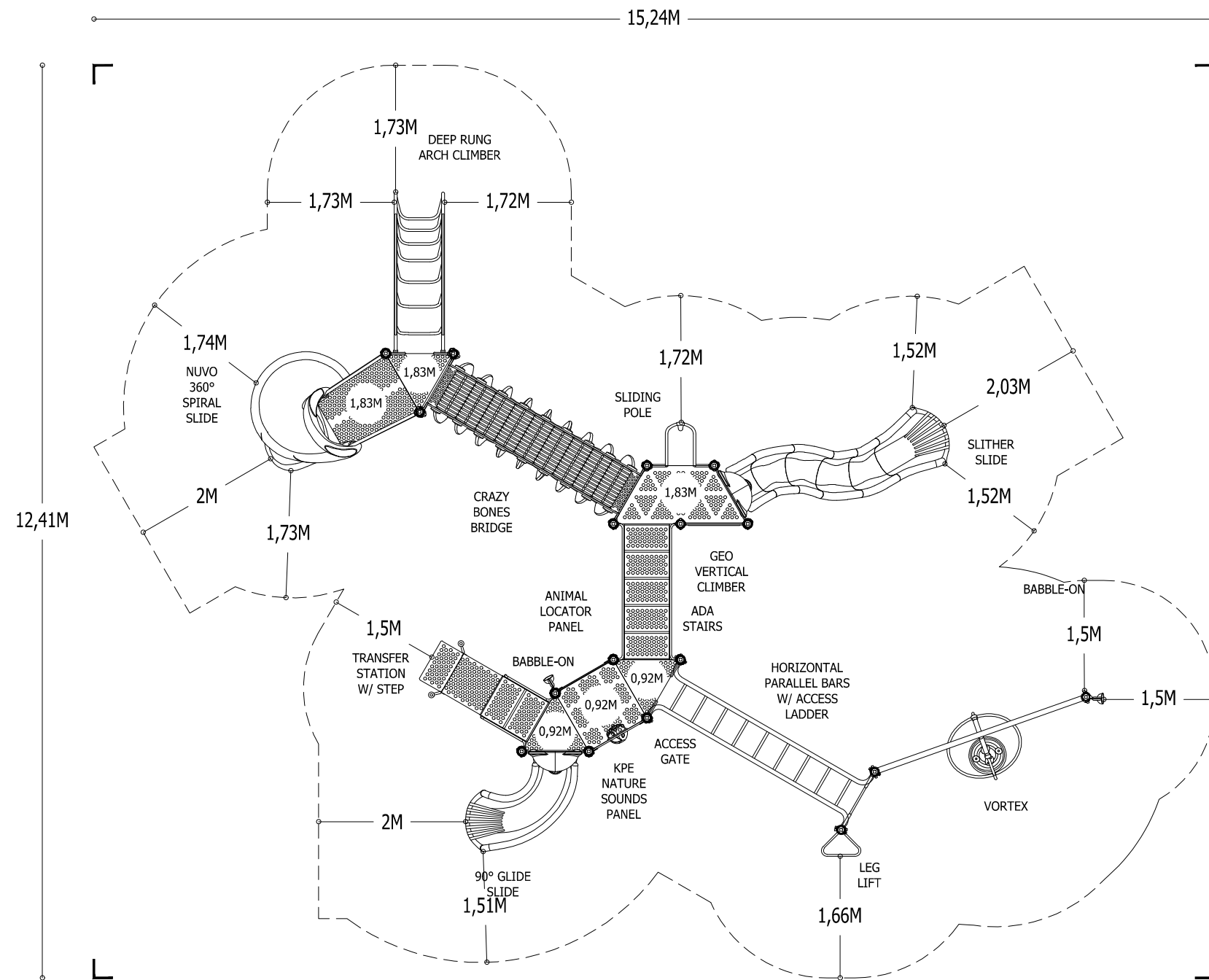
SCALE:
1:75

DRAWN BY:
J. KAZAKAVAGE

Paper Size

DATE:
11-SEP-15

A3



*PLAYGROUND SUPERVISION REQUIRED

KYOTO TRANQUILITY
 INTERNATIONAL COLLECTION

Kyoto Tranquility

Design Number: IPL-1425B - Bill Of Material

| Ref. No. | Part No. | Description | Quantity |
|---|------------|---|----------|
| Posts | | | |
| 1 | ZZCH0018 | 3.5in OD x 124in STEEL POST W/RIVETED CAP | 4 |
| 2 | ZZCH0028 | 3.5in OD x 136in STEEL POST W/ RIVETED CAP | 4 |
| 3 | ZZCH0038GZ | 3.5in OD x 148in GROUND ZERO POST | 1 |
| 4 | ZZCH0048 | 3.5in OD x 160in STEEL POST W/ RIVETED CAP | 8 |
| Decks & Kick Plates | | | |
| 5 | ZZCH0616 | SQUARE COATED DECK ASSEMBLY | 1 |
| 6 | ZZCH0617 | TRIANGULAR COATED DECK ASSEMBLY | 3 |
| 7 | ZZCH0618 | 1/2 HEX COATED DECK ASSEMBLY | 1 |
| 8 | ZZUN2290 | COATED DECK TO DECK CONNECTION KIT | 2 |
| ADA Items | | | |
| 9 | ZZCH2007 | TRANSFER STATION w/TALL GUARDRAIL (36in DECK) | 1 |
| 10 | ZZUN2019 | APPROACH STEP FOR TRANSFER STATION | 1 |
| Slides | | | |
| 11 | ZZCH3129 | 90 DEGREE GLIDE SLIDE (36in DECK) | 1 |
| 12 | ZZCH3206 | SLITHER SLIDE 2.0 ENTRANCE & EXIT | 1 |
| 13 | ZZCH3537 | SLIDE- NUVO 360 SPIRAL SLIDE | 1 |
| 14 | ZZCH8090 | SLIDING POLE (72in DECK) | 1 |
| 15 | ZZUN3208 | SLITHER SLIDE 2.0 (RIGHT SECTION) | 2 |
| 16 | ZZUN3209 | SLITHER SLIDE 2.0 (LEFT SECTION) | 2 |
| 17 | ZZUN3249 | SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in | 1 |
| Activity Panels | | | |
| 18 | ZZCH4328 | ANIMAL LOCATOR PANEL | 1 |
| 19 | ZZCH4636 | NATURE SOUNDS PANEL | 1 |
| Barriers | | | |
| 20 | ZZCH4288 | ACCESS GATE | 1 |
| Climbers | | | |
| 21 | ZZCH6998 | GEO VERTICAL CLIMBER (72in DK) | 1 |
| 22 | ZZCH7430 | DEEP RUNG ARCH CLIMBER (72in DECK) | 1 |
| Overhead Events | | | |
| 23 | ZZCH5770 | LEG LIFT | 1 |
| 24 | ZZCH5970 | OVERHEAD EVENT ACCESS LADDER (36in DECK) | 1 |
| 25 | ZZCH6936 | HORIZONTAL LADDER W/ PARALLEL BARS | 1 |
| GroundZero Balance | | | |
| 26 | ZZCH6810 | VORTEX | 1 |
| Bridges | | | |
| 27 | ZZCH6446 | CRAZY BONES 10ft ARCH BRIDGE | 1 |
| Audible Activities | | | |
| 28 | ZZCH4467 | GROUND TO GROUND BABBLE-ON | 1 |
| Stairs and Ladders | | | |
| 29 | ZZCH9177 | 36in ACCESS STEPPED PLATFORM (DECK TO DECK) | 1 |
| Additional Tool & Maintenance Kits | | | |
| 30 | ZZCHGUID | CHALLENGER GUIDELINES | 1 |



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Design Number: IPL-1425B - Bill Of Material

| Ref. No. | Part No. | Description | Quantity |
|-----------------|-----------------|---|-----------------|
| 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 |
| 34 | ZZXX0109 | EN-1176 LABEL | 1 |



Kyoto Tranquility

Design Number: IPL-1425B - 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 | 4 | 3.5in OD x 124in STEEL POST W/RIVETED CAP | Certified | 155.64 | | | 215 | 0 | 4.00 | 0.50 | 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 | ZZCH0038GZ | 1 | 3.5in OD x 148in GROUND ZERO POST | Certified | 47.01 | | | 63 | 0 | 1.00 | 0.18 | 0 |
| 4 | ZZCH0048 | 8 | 3.5in OD x 160in STEEL POST W/ RIVETED CAP | Certified | 401.68 | | | 544 | 0 | 8.00 | 1.00 | 0 |
| 5 | ZZCH0616 | 1 | SQUARE COATED DECK ASSEMBLY | Certified | 54.86 | | | 174 | 3 | 1.00 | 0.00 | 0 |
| 6 | ZZCH0617 | 3 | TRIANGULAR COATED DECK ASSEMBLY | Certified | 89.70 | | | 360 | 6 | 3.00 | 0.00 | 0 |
| 7 | ZZCH0618 | 1 | 1/2 HEX COATED DECK ASSEMBLY | Certified | 78.32 | | | 252 | 4 | 1.50 | 0.00 | 0 |
| 8 | ZZUN2290 | 2 | COATED DECK TO DECK CONNECTION KIT | Certified | 0.58 | | | 8 | 0 | 1.00 | 0.00 | 0 |
| 9 | ZZCH2007 | 1 | TRANSFER STATION w/TALL GUARDRAIL (36in DECK) | Certified | 148.40 | | | 310 | 2 | 2.00 | 0.09 | 0 |
| 10 | ZZUN2019 | 1 | APPROACH STEP FOR TRANSFER STATION | Certified | 35.83 | | | 72 | 1 | 1.00 | 0.04 | 0 |
| 11 | ZZCH3129 | 1 | 90 DEGREE GLIDE SLIDE (36in DECK) | Certified | 96.73 | | | 418 | 2 | 2.00 | 0.03 | 1 |
| 12 | ZZCH3206 | 1 | SLITHER SLIDE 2.0 ENTRANCE & EXIT | Certified | 85.37 | | | 424 | 2 | 2.00 | 0.03 | 1 |
| 13 | ZZCH3537 | 1 | SLIDE- NUVO 360 SPIRAL SLIDE | Certified | 650.00 | | | 1,417 | 2 | 6.00 | 0.15 | 1 |
| 14 | ZZCH8090 | 1 | SLIDING POLE (72in DECK) | Certified | 59.63 | | | 161 | 1 | 1.50 | 0.03 | 1 |
| 15 | ZZUN3208 | 2 | SLITHER SLIDE 2.0 (RIGHT SECTION) | Certified | 39.18 | | | 267 | 0 | 0.50 | 0.00 | 0 |
| 16 | ZZUN3209 | 2 | SLITHER SLIDE 2.0 (LEFT SECTION) | Certified | 39.18 | | | 267 | 0 | 0.50 | 0.00 | 0 |
| 17 | ZZUN3249 | 1 | SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in | Certified | 15.01 | | | 62 | 0 | 0.25 | 0.03 | 0 |
| 18 | ZZCH4328 | 1 | ANIMAL LOCATOR PANEL | Certified | 47.77 | | | 329 | 1 | 0.50 | 0.00 | 1 |
| 19 | ZZCH4636 | 1 | NATURE SOUNDS PANEL | Certified | 30.31 | | | 985 | 2 | 0.50 | 0.00 | 1 |
| 20 | ZZCH4288 | 1 | ACCESS GATE | Certified | 17.34 | | | 65 | 0 | 0.50 | 0.00 | 0 |
| 21 | ZZCH6998 | 1 | GEO VERTICAL CLIMBER (72in DK) | Certified | 75.05 | | | 267 | 2 | 1.00 | 0.00 | 1 |
| 22 | ZZCH7430 | 1 | DEEP RUNG ARCH CLIMBER (72in DECK) | Certified | 111.06 | | | 218 | 2 | 2.00 | 0.06 | 1 |
| 23 | ZZCH5770 | 1 | LEG LIFT | N/A | 6.76 | | | 30 | 1 | 0.50 | 0.00 | 1 |
| 24 | ZZCH5970 | 1 | OVERHEAD EVENT ACCESS LADDER (36in DECK) | Certified | 25.12 | | | 71 | 1 | 1.50 | 0.06 | 0 |



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Reference Document: EN1176:2008

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|----------------|----------|------|---|----------------|--------------------|-------------------------------------|-----------------------------|-----------------------|-----------|---------------|-----------------|--------------------|
| 25 | ZZCH6936 | 1 | HORIZONTAL LADDER W/ PARALLEL BARS | Certified | 126.22 | | | 251 | 1 | 0.00 | 0.00 | 1 |
| 26 | ZZCH6810 | 1 | VORTEX | Certified | 160.91 | | | 614 | 2 | 3.00 | 0.13 | 1 |
| 27 | ZZCH6446 | 1 | CRAZY BONES 10ft ARCH BRIDGE | Certified | 461.68 | | | 2,910 | 3 | 5.00 | 0.00 | 1 |
| 28 | ZZCH4467 | 1 | GROUND TO GROUND BABBLE-ON | Certified | 43.15 | | | 240 | 2 | 1.50 | 0.00 | 1 |
| 29 | ZZCH9177 | 1 | 36in ACCESS STEPPED PLATFORM (DECK TO DECK) | Certified | 217.24 | | | 550 | 2 | 1.50 | 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 |
| Totals: | | | | | 3,498.34 | 477 | 851 | 11,993 | 42 | 57.75 | 2.83 | 13 |
| | | | | | 1,574.25 Kg | 215 Kg | 383 Kg | 12 Metric Tons | | | 2.15 m3 | |



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|----------|----------|------|-------------|----------------|--------------------|-------------------------------------|-----------------------------|----------------------|-------|---------------|-----------------|--------------------|
|----------|----------|------|-------------|----------------|--------------------|-------------------------------------|-----------------------------|----------------------|-------|---------------|-----------------|--------------------|

EN1176:2008

This custom structure, drawing number IPL-1425B, 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.

