### Posts
1. ZZEX0376  |  82in POST w/CROWN CAP  |  2

### Audible Activities
2. ZZEX4587  |  DRUM PANEL (GROUND LEVEL)  |  1
3. ZZEX4589  |  BELL PANEL (GROUND LEVEL)  |  1
4. ZZEX4607  |  CHIME PANEL (GROUND LEVEL)  |  1
5. ZZEX4611  |  HORN PANEL GROUND LEVEL  |  1

### Roofs & Arches
6. ZZEX0197  |  THREE POST ANGLED SPACE ROOF  |  1

### Additional Tool & Maintenance Kits
7. ZZEXGUID  |  EXPLORER GUIDELINES  |  1
8. ZZUN9910  |  SURFACING WARNING LABEL KIT  |  1
9. ZZUN9936  |  MAINTENANCE BOOK  |  1
10. ZZUN9990 |  TOOL AND ADDITIONAL PARTS KIT W/AEROSOL  |  1
### Design Number: 238-0824D - Compliance and Technical Data


<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Part No.</th>
<th>Qty.</th>
<th>Description</th>
<th>Unit CSA Status</th>
<th>Total Weight (lbs)</th>
<th>Pre-Consumer Recycled Content (lbs)</th>
<th>CO2e Footprint (kgs)</th>
<th>Users</th>
<th>Install Hours</th>
<th>Concrete (Yds³)</th>
<th>Active Play Events</th>
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</table>

**Totals:**
- 401.80 m³
- 100 Kg
- 86 Kg
- 8.50 m³
- 0.65

Monday, September 19, 2011

www.PlayworldSystems.com
### 238-0824

Design Number: 238-0824D - Compliance and Technical Data


<table>
<thead>
<tr>
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<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
</table>

**CAN/CSA-Z614-07**

The lay-out for this custom playscape, design number 238-0824D, has been configured to meet the requirements of the CAN/CSA-Z614-07 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 CAN/CSA-Z614-07 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.

**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.**
DETAIL 1
Support Post, Spiral Slide and RockBlocks Post Footing Detail

DETAIL 2
GroundZero, Cantilever and "T" Post Footing Detail

DETAIL 3
Component Footing Detail

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 clear with local utilities prior to excavating footing locations 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 footing accordingly.
5) The base of footings must be below frost lines.
6) Do not encroach the bottom of support posts. Place all posts directly on packed stone.
7) Assemble the entire structure before pouring concrete. Ensure 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 building 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, platform, platform, and level equipment prior to pouring concrete.
3) There must be a minimum distance of 6" (150mm) between any obstacle, sidewalk, etc., and your structure.
4) Skids must be a use zone that extends from the lower end section of the slide a distance that is at least 6" (150mm) or the vertical distance from the highest point of the slider to the top of the protective surfacing, whichever is greater. The slider use zone should no longer than 6' (1830mm) from the end of the slider exit.
6) Supervise children as they play.
FOOTING LEGEND

- SPIRAL SLIDE CENTER POST FOOTING (DETAIL 1)
- COMPONENT FOOTING (DETAIL 3)
- CANTILEVER, "T" POST, AND COMPONENT POST FOOTING (DETAIL 2)
- GROUND ZERO POST FOOTING (DETAIL 2)
- ZZCH1850 INDICATES PART NUMBER
- SUPPORT POST FOOTING (DETAIL 1 or 4)

(2845mm INDICATES POST LENGTH)
(3658mm INDICATES POST LENGTH)

*Playground Supervision Required*
Design Number: 238-0824
Explorers® playscape layout per ASTM F1487-07 / CPSC #325

Weight: 410 lbs (185.98 kg)
Age Group: 2-12 Years

Length: 10'-08" (3.25 m)
Use Zone L: 22'-08" (6.91 m)

Width: 3'-00" (0.91 m)
Use Zone W: 15'-00" (4.57 m)

Height: 9'-00" (2.74 m)
Number of Users: 8

Installation Time: 10 Hours
Number of Play Events: 4

Colors Shown:
- Red
- Blue
- Yellow