CLIMBING SQUARES
CLUSTERS
PART# ZZUN7097 (Qty. 1)
PART# ZZUN7098 (Qty. 1)
PART# ZZUN7106 (Qty. 2)

PLAYGROUND SUPERVISION REQUIRED

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

EQUIPMENT SIZE:
8" x 7" x 3"
2.44M x 2.13M x 0.92M

USE ZONE:
20' x 19'
6.10M x 5.80M

AREA:
311 SqFt.
28.90 SqM.

PERIMETER:
64 Ft.
19.51M

FALL HEIGHT:
3 Ft.
0.92M

USER CAPACITY:
8

AGE GROUP:
2-12

ASTM F1487-17
CPSC #325

PLAYGROUND SUPERVISION REQUIRED
**PLAYGROUND SUPERVISION REQUIRED**

**EQUIPMENT SIZE:**
- 8' x 7' x 3'
- 2.44M x 2.13M x 0.92M

**USE ZONE:**
- 20' x 19'
- 6.10M x 5.80M

**AREA:**
- 311 SqFt.
- 28.89 SqM.

**FALL HEIGHT:**
- 3 Ft.
- 0.92M

**USER CAPACITY:**
- 8

**AGE GROUP:**
- 2-12

**DRAWN BY:**
- M. MERTZ

**DATE:**
- 08-NOV-17
**POST FOOTING DETAILS**

PLAYWORLD SYSTEMS, INC.
1000 Buffalo Road.
Lowesga, PA
17537-9795 USA

**FOOTING LEGEND**

**COMPONENT FOOTING (DETAIL 3)**

**SUPPORT POST FOOTING (DETAIL 1)**

**CANTILEVER, "T" POST, AND COMPONENT POST FOOTING (DETAIL 2)**

**GROUND ZERO POST FOOTING (DETAIL 2)**

**SITE NOTES:**
1. The red play area is the maximum area for the actual size area to ensure that placement of your structure meets required standards.
2. The dimensions marked on the footing plate are not exact dimensions of excavation. Ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
3. The outer corner indicates the outer corner and is not considered part of the layout. For more information, see the "Playground Equipment Installation" section of the Playworld Playbook. Ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.

**INSTALLATION NOTES:**
1. Painted surfaces, such as mulch and concrete, are not acceptable for use under your structure.
2. It is the consumer's responsibility to check with local utilities prior to installing your Playworld Play System. Ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
3. It is the consumer's responsibility to check local building codes and ensure the footings are installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
4. If your structure is to be installed on a slope or uneven area, refer to the "Playground Equipment Installation" section of the Playworld Playbook and ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
5. If your structure is to be installed on a slope or uneven area, refer to the "Playground Equipment Installation" section of the Playworld Playbook and ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
6. The base of footing must be below final grade.
7. Do not place the bottom of support posts in concrete, as this will result in structural failure.
8. Assemble the entire structure before pouring concrete. Follow all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
9. Read carefully, follow all instructions provided with your structure prior to beginning construction.

**OPERATIONAL NOTES:**
1. The installer or owner is responsible for inspecting your structure before placing it in use. It is the consumer's responsibility to check with local utilities prior to installing your Playworld Play System. Ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
2. If your structure is to be installed on a slope or uneven area, refer to the "Playground Equipment Installation" section of the Playworld Playbook and ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.
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5. If your structure is to be installed on a slope or uneven area, refer to the "Playground Equipment Installation" section of the Playworld Playbook and ensure all field measurements are taken accurately. Dimensions should be determined using a tape measure. Ensure that the footing is installed to the appropriate depth, which varies as specified. The side view should be 10' away from the face of the structure.

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

**DETAIL 2**
**Ground zero, Cantilever and "T" Post Footing Detail**

**DETAIL 3**
**Component Footing Detail**

**DETAIL 4**
**Surface Mount Detail**

*PLAYGROUND SUPERVISION REQUIRED*

**DATE:** 28-JUNE-13

**NOT TO SCALE**

**SCALE:**

**DRAWN BY:**

**TECH SALES:**

**PAPER SIZE:** B
**PLAYGROUND SUPERVISION REQUIRED**

**CLIMBING SQUARES**

Cluster 1
Refer to Option 1
Install Layout

Cluster 2
Refer to Option 1
Install Layout

Cluster 4
Refer to Option 2
Install Layout

FOOTING LEGEND

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

KNOBS

CATALOG PRE-DESIGN

QB-1608B
3/8"=1'-0"

M. MERTZ
08-NOV-17
Knobs
Design Number: QB-1608B - Bill Of Material

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<th>Part No.</th>
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<th>Quantity</th>
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## Knobs

**Design Number: QB-1608B - Compliance and Technical Data**

**Reference Document: ASTM F1487**

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**Totals:**

|                |                |                |                |                | 113.81 Kg | 13 Kg | 26 Kg | 1 Metric Tons | 0.27 m³ |
Knobs
Design Number: QB-1608B - Compliance and Technical Data
Reference Document: ASTM F1487

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**ASTM F1487**

The lay-out for this custom playscape, design number QB-1608B, 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.