

# PLAYGROUND INSPECTION



## Castle Park



SITE/LOCATION : Hoosick Falls  
Main St.  
Hoosick Falls, NY 12090

OWNER : Town of Hoosick Falls

COMPLETION DATE : 5/26/2016

WEATHER : Sunny, Hot

SOURCE DOCUMENTS : [Handbook for Public Playground Safety](#), Publication number 325, U.S. Consumer Product Safety (CPSC) Commission, Washington, DC 20207  
[Standard Consumer Safety Performance Specification for Playground Equipment for Public Use](#), Designation F 1487-11, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428

SCOPE OF WORK :  SAFETY INSPECTION  ADA INSPECTION  REPAIRS

SURFACING TYPE : Engineered Wood Fiber

6/3/2016

CERTIFIED SAFETY INSPECTOR'S SIGNATURE

DATE

BRIAN BETHKE

CERTIFICATE NUMBER : 23004-1116

# EQUIPMENT INVENTORY

## Castle Park



PLAY STRUCTURE

110318.0

**Castle Tower Structure**

MANUFACTURER

**Landscape Structures, Inc.**

AGE GROUP

**5 to 12**

CRITICAL FALL HEIGHT

**72 inches**

COMPONENT NAME	TYPE	SUBTYPE
Cliff Climber	Climber	126249.0
Logo Climber	Climber	126248.0
Slidewinder Slide	Slide	126253.0
Stairway	Stairway	126254.0
Star Seeker	3-D Net/Flexible Climber	126250.0
Stone Wall Climber	Climber	126251.0
Vertical Ascent	Climber	126252.0



PLAY STRUCTURE

110317.0

**Single Post Swings, 3 Bays**

MANUFACTURER

**Landscape Structures, Inc.**

AGE GROUP

**2 to 5, 5 to 12**

CRITICAL FALL HEIGHT

**96 inches**

COMPONENT NAME	TYPE	SUBTYPE
Swing	Swing	126246.0

PLAYGROUND  
**Castle Park**



PLAY STRUCTURE 110315.0  
**Smart Play - Motion**  
 MANUFACTURER  
**Landscape Structures, Inc.**  
 AGE GROUP  
**2 to 5**  
 CRITICAL FALL HEIGHT  
**32 inches**

COMPONENT NAME	TYPE	SUBTYPE
Crawl Tunnel	Crawl Tunnel	126243.0
Curved Slide	Slide	126241.0
Numbers Climber	Climber	126242.0
Stepping Form	Stepping Form	126244.0
Wiggle Ladder	3-D Net/Flexible Climber	126245.0



PLAY STRUCTURE 110316.0  
**Topsy Turny**  
 MANUFACTURER  
**Landscape Structures, Inc.**  
 AGE GROUP  
**5 to 12**  
 CRITICAL FALL HEIGHT  
**18 inches**

COMPONENT NAME	TYPE	SUBTYPE
Merry-go-Round/Spinner	Merry-go-Round/Spinner	126247.0



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## HAZARD RATING SUMMARY

### Castle Park

#### **HAZARD PRIORITY RATING 1 COUNT: 0 ITEMS**

permanent disability, loss of life, or body part

NO NONCOMPLIANT items of HAZARD RATING 1 were found.

#### **HAZARD PRIORITY RATING 2 COUNT: 0 ITEMS**

serious injury or illness resulting in temporary disability

NO NONCOMPLIANT items of HAZARD RATING 2 were found.

#### **HAZARD PRIORITY RATING 3 COUNT: 0 ITEMS**

minor (non-disabling) injury

NO NONCOMPLIANT items of HAZARD RATING 3 were found.

## Definitions for Playground Audit Report

**Sources:** CPSC Handbook for Public Playground Safety, 1.8 Definitions

ASTM F1487-11, 3. Terminology

**Accessible:** Relating to a part or portion of the playground equipment that can be contacted by any body part or is approachable or usable, or both, by persons with disabilities

**Accessible Playground:** Playground equipment area, that, when viewed in its entirety, may be approached and entered and provides a range of play opportunities and experiences to users of varying abilities

**Accessible Route:** Pathway specifically designed to provide access for individuals with disabilities, including those using wheelchairs or mobility devices

**Barrier / Protective Barrier:** An enclosing device around an elevated platform that is intended to prevent both inadvertent and deliberate attempts to pass through the device.

**Climbing Net Structures:** Playground climbing devices made of flexible components arranged in either a 2-dimensional grid or a 3-dimensional matrix

**Completely Bounded Opening:** Any opening in a piece of play equipment that is totally enclosed by boundaries on all sides so that the perimeter of the opening is continuous

**Component:** Of a play structure, any portion thereof that generates specific activity and cannot stand alone

**Composite Play Structure:** Two or more play structures attached or functionally linked, to create an integral unit that provides more than one play activity

**Critical Height:** The fall height below which a life-threatening head injury would not be expected to occur.

**Crush and Shear Points:** Juncture at which the user could suffer contusion, laceration, abrasion, amputation, or fracture during use of the playground equipment

**Designated Play Surface:** Any elevated surface for standing, walking, crawling, sitting or climbing, or a flat surface greater than 2 inches wide by 2 inches long having an angle less than 30° from horizontal

**Embankment Slide:** A slide that follows the contour of the ground and at no point is the bottom of the chute greater than 12 inches above the surrounding ground

**Entanglement:** A condition in which the user's clothes or something around the user's neck becomes caught or entwined on a component of playground equipment

**Entrapment:** Any condition that impedes withdrawal of a body or body part that has penetrated an opening

**Fall Height:** The vertical distance between the highest designated play surface on a piece of equipment and the protective surfacing beneath it

**Flexible Component:** Any part of the playground equipment excluding swings, that temporarily changes its shape when in use (e.g. cargo net, log bridge)

**Footing:** A means for anchoring playground equipment to the ground

**Full Bucket Seat Swing/Enclosed Swing Seat:** A swing generally appropriate for children under 4 years of age that provides support on all sides and between the legs of the occupant and cannot be entered or exited without adult assistance

**G:** Acceleration due to gravity at the earth's surface at sea level (32 ft/s<sup>2</sup> (9.8 m/s<sup>2</sup>))

**Geotextile Fabric (Filter Cloth):** A fabric that retains its relative structure during handling, placement, and long-term service to enhance water movement, retard soil movement, and to add reinforcement and separate between the soil and the surfacing and/or sub-base/sub-grade.

**Guardrail:** An enclosing device around an elevated platform that is intended to prevent inadvertent falls from the elevated surface

**Handrail:** Rigid linear device, following the path of access or egress, that when grasped, provides balance and support in maintaining a specific body posture.

**Head-Injury Criteria (HIC):** A measure of impact severity that considers the duration over which the most critical section of the deceleration pulse persists as well as the peak level of deceleration

**Infill:** Material (2) used in a protective barrier or between decks to prevent a user from passing through the barrier (e.g. vertical bars, lattice, solid panel, etc)

**Loose-Fill Surfacing Material:** A material used for protective surfacing in the use zone that consists of loose particles such as sand, gravel, engineered wood fiber, or shredded rubber

**Partially Bounded Opening:** Any opening in a piece of play equipment that is not totally enclosed by boundaries on all sides so that the perimeter of the opening is discontinuous

**Preventative Maintenance:** Planned program of inspections and maintenance intended to keep equipment functioning properly and to forestall equipment failures

**Pre-School Aged Children:** Children 2 years of age through 5 years of age

**Professional Judgment:** Ability of an individual with current knowledge, skill or experience, or both, in the field of playgrounds/playground equipment design, use, or operations, which enables the person to form an opinion or make a decision, or both, concerning a matter within that field of expertise.

**Projection:** Anything that extends outward from a surface of the playground equipment and must be tested to determine whether it is a protrusion or entanglement hazard, or both

**Protective Surfacing:** Shock absorbing (e.g. impact attenuating) surfacing material in the use zone that conforms to the recommendations in CPSC, section 2.4

**Protrusion:** A projection which, when tested, is found to be a hazard having the potential to cause bodily injury to a user who impacts it

**Public Use Playground:** Play structure for use in play areas of schools, parks, child-care facilities, institutions, multiple-family dwellings, private resorts and recreation developments, restaurants and other areas of public use

**Rocking/Springing Equipment:** Any play structure that rocks about a fixed base

**Roller Slide:** A slide that has a chute consisting of a series of individual rollers over which the user travels

**Rotating Equipment:** Any play structure that moves about a vertical or horizontal axis (e.g. merry go rounds, whirl, log roll or spinner)

**Rung:** Crosspiece in a ladder or other climbing equipment used for supporting the user's feet or for grasping by the user's hands, or both

**School-Aged Children:** Children 5 years of age through 12 years of age

**Sharp Point:** Point that can puncture or lacerate a user's skin during use

**Slide Chute:** The inclined sliding surface of a slide

**Stair:** Device having a slope of 50° or less from a horizontal plane and consisting of a series of steps that can be used for ascending and descending

**Stationary Play Equipment:** Any play structure that has a fixed base and does not move

**Stepping Forms:** One or more individual, elevated, freestanding devices used to provide balance

experiences which may also be used as an access or egress component

**Supervisor:** Any person tasked with watching children on a playground. Supervisors may be paid professionals (e.g. childcare, elementary school or park and recreation personnel), paid seasonal workers (e.g. college or high school students), volunteers (e.g. PTA members), or unpaid caregivers (e.g. parents) of the children playing in the playground

**Swing:** An element or seat suspended from an elevated support structure so as to allow users to move freely in one or more planes and possesses a pivot point greater than 24 inches when measured vertically from the top of the suspended element to the pivot point. Swings include the following types: single axis (to-fro), multiple axis (rotating)

**Swing Bay:** Space beneath the overhead beam bounded by one or more supports on which swing assembly or assemblies are attached; no more than (2) swings per bay; no mixed use (e.g. full bucket seat and belt seat)

**Toddlers:** Children 6 months through 23 months of age

**Track Rides:** Play components designed for coasting, with a rolling mechanism enclosed within or surrounding a track

**Transfer Point:** Platform along an accessible route of travel or an accessible platform provided to allow a child in a wheelchair to transfer from the chair onto the equipment

**Trip Hazard:** Abrupt change in elevation that is not clear and obvious to the user.

**Tube Slide:** A slide in which the chute consists of a totally enclosed tube or tunnel

**Unitary Surfacing Material:** A manufactured material used for protective surfacing in the use zone that may be rubber tiles, mats, or a combination of energy absorbing materials held in place by a binder that may be poured in place at the playground site and cures to form a unitary shock absorbing surface.

**Upper Body Equipment:** Equipment designed to support a child by the hands only (i.e. horizontal ladder, overhead swinging rings)

**Use Zone:** The surface under and around a piece of equipment onto which a child falling from or exiting from the equipment would be expected to land. These areas are also designated for unrestricted circulation around the equipment.

**Warning:** Notice or communication to indicate a potentially hazardous situation that if not avoided could result in death or serious injury

Minimum compressed loose-fill Surfacing depths				
Inches	Of	(Loose-Fill Material)	Protects to	Fall Height (feet)
6*		Shredded/recycled rubber		10
9		Sand		4
9		Pea Gravel		5
9		Wood mulch (non-CCA)		7
9		Wood chips		10
* Shredded/recycled rubber loose-fill surfacing does not compress in the same manner as other loose-fill materials. However, care should be taken to maintain a constant depth as displacement may still occur.				
* Surfacing test results and certifications are available from individual manufacturers				