

January 12, 2017

Linda Berger, Director  
Sharon Recreation  
219 Massapoag Avenue  
Sharon, MA 02067

RE: Walter A. Griffin/Ames Street Playground

Dear Linda:

Thank you for the opportunity to provide an Audit at Griffin Playground on January 4, 2017. This audit was conducted in accordance with the following three documents:

- CPSC “Handbook for Public Playground Safety” [Pub #325].
- ASTM F1487-11 “Standard Consumer Safety Performance Specification for Playground Equipment for Public Use”.
- ASTM F1292-13 “Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment” [*Loose Fill Inspection; Visual inspection only for Unitary Surfacing*].

History has shown that children of all ages will not only have fun at playgrounds, but will also get injured. The abilities of children vary, just as playground equipment challenges vary. An injury can be a minor as a scratch, or as major as a laceration; as minor as a bump and as serious as a skull fracture or brain injury. History has also shown the need for regulations and guidelines. The top three reasons why children get hurt on playgrounds are a [1] lack of surfacing, [2] lack of maintenance, and [3] a lack of supervision. The first two define the Griffin Playground. Statistics have shown that the number one piece of equipment children are injured on are - swings. Griffin Park has swings located in the middle of the playground and older swings on an angle that have hazards. Both

areas do not have surfacing. Since the 1980's, documents have been developed for "impact attenuation of surfacing materials within a use zone of playground equipment, playground fencing, surfacing acceptable for handicap access", as well as many more regulations. Industry guidelines for the playground equipment are ASTM F1487-11 and the CPSC-10. ASTM 1487 originated in 1993, was revised in 2007, and then again in 2011. As of this date, it is in committee and will most likely be revised again. Revisions to guidelines are becoming more frequent and sometimes exceed the ability of owners to stay abreast and meet the guidelines. Going forward, a standard of care should be developed to include a periodic maintenance plan, as well as low and high frequency inspections.

Over the years, equipment has been purchased and installed by volunteers at the Griffin Playground. The kindness of others allowed the park to thrive. However, the town owns the property and owns the equipment. All liability of every inch of the park and equipment is with the town. As far as I am aware, there is no Risk Management Program, High Frequency or Low Frequency Inspections history. The Town Insurance Company provided a report in 2014, which started wheels turning to review and plan to move forward for a rehabilitation of the park.

The Audit is 90% complete, with an explanation of why, to follow. This will not hinder moving forward in the rehabilitation of the park. The documentation will be in your files, along with any other information collected over the past 20+ years. This should include warranties, installation guidelines, installer names, layout out of equipment, purchase receipts, maintenance documentation and surfacing purchases.

General observations are as follows:

- Equipment was purchased over the years, from approximately 5 various manufacturers.
- It is unknown, if the varied installers were in the playground industry, or 'kind' volunteers, who purchased and installed themselves.

- If equipment is and was in need of maintenance, it would be repaired when 'kind' volunteers 'got around to it'. It is unknown if the town repaired any equipment.
- *Example 1:* a small toddler structure has been in disrepair for many years and has not been repaired. "Many years" is based on the cracked PVC, rust settling in and missing hardware.
- *Example 2:* A 'wooden ship structure' has rotted wood, both above and below grade, peeling paint, missing parts. Rubber surfacing inside the ship has no impact attenuating properties. Good faith efforts were made to repair the ship; but there are head entrapments, rotted wood, and the ramp is non-compliant with the barrier type and size of the rails.
- *Example 3:* Benches and picnic tables have rotted wood; and have not had any upkeep or repair.
- *Example 4:* Beyond the far side play structure (which has hazards), equipment over 40 years old is still intact, yet over the past 25 + years new equipment continued to be purchased and installed, without taking action on the hazards of the equipment in the back. *Why was a new structure approved to be installed, next to equipment with extreme hazards?*
- *Example 5:* Hardware is 'backing out', exposed, missing, rusting and sharp were found in several places.
- *Example 6:* A piece of an intersecting support post is not plumb, thus negating any warranty. It was installed at least two years ago, very visible that it is not plumb, yet not repaired.
- *Example 7:* There is equipment that has not been used for some time, as evidence by weeds in and around these pieces.
- *Example 8:* There are large beautiful shaded trees that have roots extending out throughout the playground. Yet, equipment was installed among this 'exposed root system'. There is wear around the roots from the use of the playground, which continues to be unearthed; which then complicates the next steps to rehab the park.

- *Example 9:* Rubber tiles were installed in various random areas, and they have come apart and created tripping hazards. They do not provide any impact attenuation and cannot to be reused.

The wooden ship offered partial play to meet ADA, but the remainder of the playground was never addressed for ADA accessibility. Currently, the playground does not meet the guidelines for ADA accessibility. In addition, the entire playground is defined as a Hazard 1, as noted in the Audit. The property has equipment installed randomly, leaving pockets of the play area unusable for new equipment due to the random installation and placement of other equipment. Signage is poor, surfacing is poor to non-existent, fencing needs to be fixed, there is vegetation over-growth, and perimeter edging is either non-existent or installed in random areas.

The compliance and non-compliance of playground equipment is only one aspect of a full audit at a park. Since the surfacing is poor or non-existent throughout the entire playground, as well as roots that are exposed creating tripping hazards, the condition of the playground equipment becomes secondary to the surfacing or lack thereof.

Another important issue with Griffin/Ames is the adjacent ball field. There are no protection materials [i.e.: *fencing or netting*] to eliminate the hazard of errant baseballs onto the playground.

I spent approximately 9+ hours on site. I lost an hour, as a nearby school had their children at play on the equipment. As this is a public park, with a school using the park, I chose to stop the audit until they left. At the end of the day, I was unable to finish the last portion of the audit, as 'maintenance' was beginning on some equipment. Working on the equipment during an audit, creates conflicts and changes what I may have seen before and after. I waited an additional 40 minutes for the maintenance to stop, but then it became too dark to continue.



In my professional opinion, this report should encourage a look at property as a whole, rather than focusing on each individual piece of equipment. As you know, safety comes in many forms at a playground; surfacing, play equipment, signage, labeling, age appropriateness, parking, handicap accessibility/guidelines, maintenance of equipment, vegetation and perimeter edging.

If you would like to schedule a meeting or conference call to review this report, please let me know and I would be happy to accommodate your schedule.

Regards,

*Nancy*

Nancy A. White CPSI, CPRP

# WALTER GRIFFIN PLAYGROUND

## SHARON, MA

### PLAYGROUND AUDIT 2017

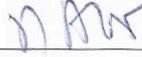


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CPSI CERTIFICATION # 24284-0517



Playground Inspections  
of New England LLC

# Playground Safety Compliance Audit Form

Inspector (print) NANCY A. WHITE Signature  CPSI # 24284-0517  
Date 1/4/2017 Time 9:45 am Weather Cold  
Playground Name and/or Identification Number Walter Griffin Park, Sharon MA

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)<sup>1</sup> Revised November 2010; American Society for Testing and Materials (ASTM)<sup>2</sup> F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas<sup>3</sup> (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

## Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 2003, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Excel™ formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae<sup>1</sup> Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814  
2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428  
3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004  
(<http://www.ada.gov/regs2010/ADAREgs2010.htm>)

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## Five Level Safety Concern Priority Rating System

Rating Safety Concern Priority	Description Condition Likely to Cause
<b>Priority 1 Safety Concern</b>	<p>Non-compliant safety concern that may result in permanent disability, loss of life or body part.</p> <p>Condition should be corrected immediately.</p>
<b>Priority 2 Safety Concern</b>	<p>Non-compliant safety concern that may result in temporary disability.</p> <p>Condition should be corrected as soon as possible.</p>
<b>Priority 3 Safety Concern</b>	<p>Non-compliant safety concern that is likely to cause a minor (non-disabling) injury.</p> <p>Condition should be corrected when time permits.</p>
<b>Priority 4 Safety Concern</b>	<p>Non-compliant safety concern whose potential to cause an injury is very minimal.</p> <p>Condition should be corrected if it worsens.</p>
<b>Priority 5</b>	<p>The item has been determined to be compliant with the owner/operator's operating policy and standard of care.</p> <p>Continued ongoing preventive maintenance is recommended.</p>

# Playground Safety Audit Forms

## Background Information

Page 1

**IMPORTANT:** This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area: Walter Griffin Park Date: 1/4/17

Eqpt Type: Metal, Rubber, Wood, Poly PVC Surface: Sand, EWF, Dirt

Audited By: Nancy A. White CPSI CPRP Intended User Age: 2-12

Manufacturers: Playworld, GameTime, Superior, Landscape Structures, Burke, Little Tikes, 'Home-made'

### General Environment

**1. Category of Playground:** (check all that apply)

Community Park       Public School       Childcare Center

Neighborhood Park/Tot Lot       Private School      Other: \_\_\_\_\_

\*2 Structures - Gametime Inventory Only

**2. Equipment Inventory:** (indicate the number of equipment pieces that exist)

A. Composite Structures	B. Freestanding Eqpt	C. Site Amenities
stairways/step ladders <u>1</u>	swings (to-fro) <u>8</u>	benches <u>7</u>
stairways/step ladders _____	rotating swings _____	tables <u>6</u>
rigid climbers <u>6</u>	seesaws _____	water fountains <u>Yes</u>
flexible climbers <u>1</u>	slides _____	bicycle racks _____
decks/platforms <u>9</u>	rigid climbers <u>4</u>	wheelchair parking <u>Yes</u>
play panels <u>3</u>	flexible climbers <u>1</u>	signs (safety) <u>few</u>
slides <u>2</u>	upper body eqpt _____	litter barrels <u>5</u>
sliding poles <u>1</u>	rocking eqpt <u>5</u>	fencing <u>2</u>
horizontal ladders <u>3</u>	merry-go-round _____	accessible route to play area <u>No</u>
horizontal rings _____	spinner (< 20" D) _____	other _____
track rides _____	sand play area <u>1</u>	other _____
crawl tunnels <u>1</u>	backhoe digger _____	other _____
clatter/other bridges _____	play panels <u>3</u>	
ramps <u>2</u>	stepping pods <u>4</u>	
transfer stations <u>1</u>	net climber _____	
roofs _____	other _____	
other _____	other _____	
other _____	other _____	

Note: "Tottler" structure not included in inventory. Photos are included.

Train with 4 cars; 3 Balance Beams  
Recycled Car; Talk Tubes;  
4 Pods; 'Train Ticket' Club House

Other: Talking 'bob panel', Music Panel, Red Dragon [Poly], Green Hippo [Poly]. Revised 2011 ©2011 IPSI, LLC

## General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)	X			Not required by regulation; but due to proximity to busy street, the entire area should be enclosed for safety.
5. Shaded area is provided. (CPSC 2.1.1)	X			
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)		X	2	Far side equipment is in poor condition.
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)	X			
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		X	2	Wood ramp does not meet guardrail codes/regulations. There are head entrapments.
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)		X	3	Slats in poor condition. Suggest to review recommended depth of bury supports. Many appear to be too low.
10. Signs on all bordering streets advise motorists that a playground is nearby.	X			There is not sufficient signage.
11. Trash receptacles are provided and located outside of play area use zone.		X	4	Trash receptacles are located 'inside' play areas.

**Note:** This is a long, linear playground. Trees and equipment are placed such that there is not a clear view through to the play area.

## Materials and Manufacture

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)		x	5	Some of the equipment is 25 years older or more; unsure if material specifications are available.
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		x	3	Many metal pieces have rust and/or corrosion.
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)		x	2	There are multiple unknown wood species with site furnishings & equipment; much of it is rotted.
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)				Unknown; due to age of structure.
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)		x	2	The ship has rotted wood members; pieces of paint and wood could be ingested. The wood picnic tables and benches present the same concern.
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)		x	3	Exercise [red] equipment has a fixed post that is installed incorrectly.
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)		x	4	2 upright posts that connect to suspended element are not plumb. Moving elements are missing.
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)		x	5	Unknown; due to age of the wooden ship.
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)		x	5	Unknown; due to age of wood; Unknown if a sealant has been used. Suggest to check records.
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)		x		All equipment is direct bury; all can be relocated by removal, compress & reinstall.

Unsure of 'below grade' status of concrete footings. One support is crumbling.

## Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>A. Stationary Equipment</b>				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)	X			
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	X			
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	X			
<b>B. Rotating Equipment</b>				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	X			The spinner near the structure needs wood fiber.
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)				n/a
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)				n/a

### Use Zones (continued)

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>C. To-Fro Swings</b>				
1. Use zone to front and rear of to-fro swing is 2X where X = distance between pivot point and surfacing by width of beam. (ASTM 9.4.1.1; CPSC 5.3.8.3.3) <b>Combination Swing Use Zone</b> should be composed of the individual use zones as defined in 9.4.1 and 9.4.2 or both for the individual suspended elements. (ASTM 9.4.3)	X			
2. For swings w/ fully enclosed To-Fro swing seats, use zone is 2W where W = distance between pivot point and top of occupied sitting surface. (ASTM 9.4.1.2; CPSC 5.3.8.3.3)	X			
3. No other play structure overlaps the front-to-rear use zone of a to-fro swing. (ASTM 9.4.1.3; CPSC 5.3.8.3.3)	X			
4. Use zone width is at least as wide as the swing top beam. T-swings use zones have special conditions. (ASTM 9.4.1.4)	X			
5. Use zone around support structure is min. 72" in all directions from the structure. Support structure use zones for adjacent to-fro swings may overlap (6' apart). Support structure use zones may overlap w/ other equipment w/ min. 108" between structures. (ASTM 9.4.1.5; CPSC 5.3.8.3.3)	X			
<b>D. Rotating Swings</b>				
1. Use zone is min. horizontal distance of Y+72", where Y = vertical distance between pivot point and top of swing seat. (ASTM 9.4.2.1; CPSC 5.3.8.4.1)				n/a
2. No other play structure use zone overlaps rotating swing use zone. (ASTM 9.4.2.2; CPSC 5.3.8.4.1)				n/a
3. Use zone around support structure is min.72" in all directions from the structure. (ASTM 9.4.2.3; CPSC 5.3.8.4.1)				n/a
4. Support structures of adjacent rotating swings may overlap (6' apart), however, swing bay clearances (Y+30") are not overlapped. (ASTM 9.4.2.4; CPSC 5.3.8.4.1)				n/a
5. Support structure use zone may overlap use zone of other equipment w/ min. 108" between structures. (ASTM 9.4.2.5; CPSC 5.3.9)				n/a

## Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>E. Rocking/Springing Equipment</b>				
1. Use zone for equipment intended for sitting is min. 72" in all directions from at-rest perimeter. (ASTM 9.5.1.1; CPSC 5.3.7)	X			
2. Use zone of adjacent eqpt may overlap when each structure has max. seat height and/or designated playing surface of less than or equal to 30". (ASTM 9.5.1.2; CPSC 5.3.7)	X			
3. Use zone of rocking/springing eqpt may overlap to 72" apart when each structure has max. designated play surface height < 30"; and to 108" apart when either has a designated play surface higher than 30" unless otherwise specified in ASTM Section 9. (ASTM 9.5.1.3; CPSC 5.3.7)	X			
4. Use zone for rocking/springing eqpt intended for standing is min. 84" in all directions from the at-rest perimeter. (ASTM 9.5.2.1)				n/a
5. No other play structure use zone overlaps the standing rocking/springing structure use zone. (ASTM 9.5.2.2)	X			
6. Equipment w/ limited movement or eqpt on which user cannot develop enough force to launch or propel themselves away from the eqpt is exempt from these requirements. (ASTM 9.5.2.3)				n/a
<b>F. Slides</b>				
1. Use zone around steps or ladder, chute, platform or slide bed of straight, wavy, or spiral slides is min. 72" from perimeter. (ASTM 9.6.1; CPSC 5.3.6.5)	X			
2. Use zone at exit is min. X where X = vertical distance from highest point of sliding surface to surfacing. Use zone at slide exit is min. 72" and need not be > 96". (ASTM 9.6.2, 9.6.2.1; CPSC 5.3.6.5)	X			
3. A clear zone, free of equipment, extends min. 21" from inside of each side wall from the end of the slide to the perimeter of the slide use zone. Clearance zones for two or more parallel slide beds may overlap. Clearance zones for converging slides may not overlap. (ASTM 8.5.6, 9.6.3)	X			

## Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>G. Track Rides</b>				
1. Track ride use zones are min. 72" in all directions from equipment. (ASTM 9.9.1)				n/a
<b>H. Composite Structures</b>				
1. Use zone is min. 72" from structure perimeter, and complies w/ use zones established for individual types of eqpt. (ASTM 9.7.1 and 9.7.2; CPSC 5.3.9)	X			
2. Professional judgment may be used to eliminate hazards created by circulation conflicts or adjacent structures that are in close proximity. (ASTM 9.7.2)	X			The Gametime structure will be retrofitted; the 'totter ship' will be removed.
<b>I. Placement of Equipment</b>				
1. Sufficient space is provided between all adjacent structures and individual play eqpt for the purposes of play and circulation. (ASTM 9.8; CPSC 2.2.4)		X	2	Two swing bays are located in 'the middle' of the playground.
2. In settings where periodic overcrowding is likely, a supplemental circulation area beyond the use zone is provided, using professional judgement of owner/operator. (ASTM 9.8.2 and CPSC 2.2.4)		X	1	The swings are located in the 'middle' of the playground; creating many circulating patterns. Swings are also located in the 'outer' part of the playground. These
3. Moving equipment such as swings and rotating equipment are located near the periphery away from circulation routes. (ASTM 9.8.3; CPSC 2.2.4)		X	3	locations create poor routes of travel.
4. Overhead obstructions within play structure usezones are min. 84" from each designated play surface, the use zone, or the pivot point of swings. (ASTM 9.8.4.1)	X			
5. Overhead utility line clearances comply w/ all local, state, and national codes such as National Electrical Safety Code. (ASTM 9.8.4.2)	X			

## Maintenance, Surfacing, Labeling, Signage

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>A. Maintenance</b>				
1. Owner/Operator maintains detailed installation, inspection, maintenance, and repair records for each playground area. (ASTM 13.3; CPSC 4)		x	1	None
<b>B. Protective Surfacing</b>				
1. Owner/Operator maintains the protective surfacing within the use zone of each play structure in accordance w/ ASTM F1292 w/ a critical height appropriate for the fall height of each structure, and ASTM F1951 where applicable (ASTM 13.2.1; CPSC 2.4) and the Accessible Route in accordance w/ DOJ 2010 Standard (Section 1008.2.6)		x	1	None
2. Protective surfacing is maintained free from extraneous materials that could cause injury, infection, or disease. (ASTM 13.2.2; CPSC 4)		x	1	None
3. Surfacing is well-drained and free of standing water. (ASTM 13.2.2; CPSC 2.4.2.2)		x	1	None
4. Written documentation available of laboratory compliance testing ASTM F1292 and F1951 and F2075 for EWF. (ASTM 13.2, 13.3)		x	1	None
5. Written documentation available of post installation compliance to the appropriate ASTM Standards. (ASTM 13.3)		x	1	None
<b>C. Labeling</b>				
1. On or near all play structures where applicable have posted a warning label containing... 1) signal word <b>WARNING</b> , 2) safety alert symbol (triangle w/ exclamation point inside) preceding signal word, and 3) warning message "Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls." (ASTM 14.2.5)		x	2	Poor - most equipment does not have proper warnings.
2. Manufacturer's identification appears, is durable, and is placed on the play structure. (ASTM 15)		x	2	Labelling is not consistent - not on all equipment.
<b>D. Information Signage</b>				
1. Signs or labels provide information for age appropriateness of playground. (ASTM 14.2.1)		x	1	
2. Signs or labels provide information stating adult supervision is recommended. (ASTM 14.2.2)		x	1	
3. Sign posted to communicate warning for the need to remove helmets, drawstrings and items around the neck due to strangulation. (ASTM 14.2.3)		x	2	
4. Sign posted to communicate warning about hot play surfaces and surfacing can cause severe burns to young children. (ASTM 14.2.4; CPSC 2.2.6, 2.5.3, 3.2.1)		x	2	
5. Freestanding signs are located outside the equipment use zone to alert the user of the concern in time to take action. (ASTM 14.1.1.2, 14.1.2, 14.1.3)		x	2	

## Accessibility

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)		x	4	Needs to be reviewed.
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)	x			
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)		x	5	First ramp is 15' long.
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)	x			
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)		x	3	No appropriate rails.
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)	x			
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)		x	3	Wood handrails at the wrong height and not the proper size.
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)	x			There is Transfer module on GameTime structure only.
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)	x			
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		x	1	No safety surfacing.

## Accessibility (continued)

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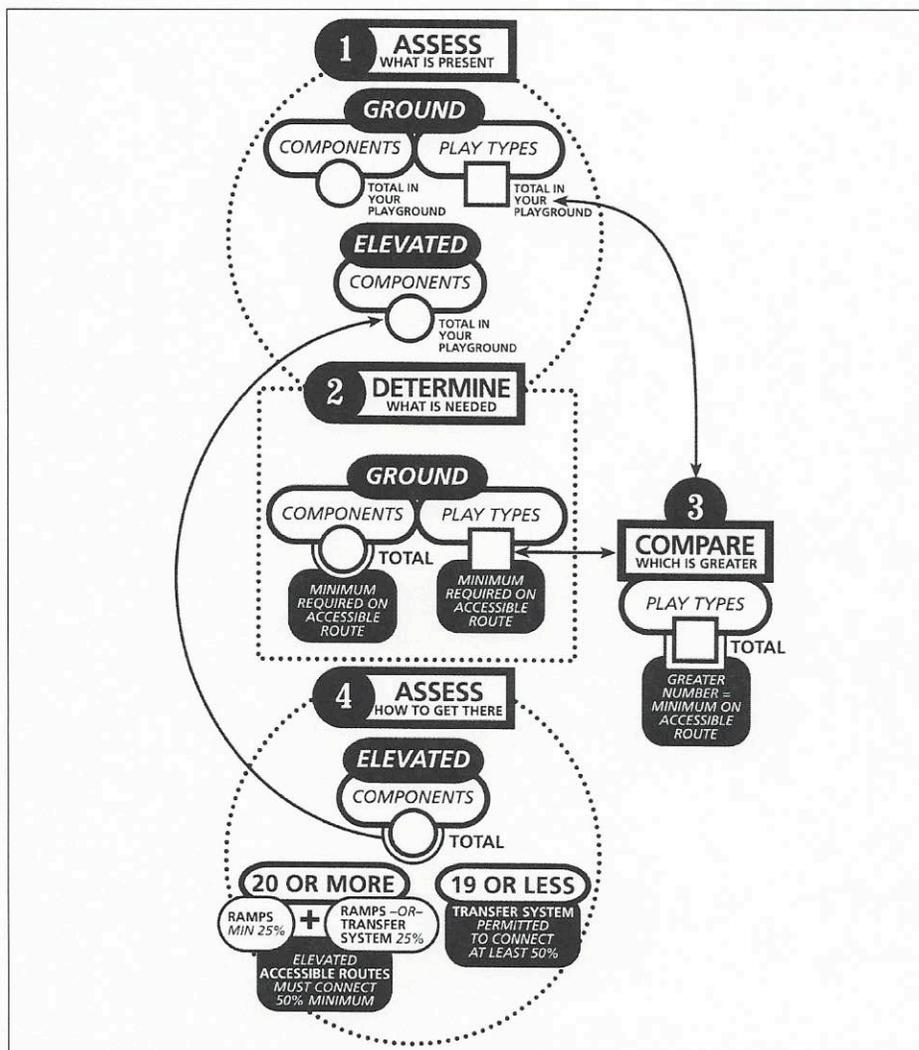
General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)	X			
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))				n/a
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)		X	4	No bevel or sphere-like handholds.
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)		X	5	The slide does not allow a return to the ramp.
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)	X			
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)				n/a
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)	X			
<b>Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components</b>				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)	X			
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)	X			
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)		X	4	Does not meet regulations, as play events are not accessible.
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.				*Unknown. Sidewalk 'codes' are the towns responsibility to assess.

## Use Flow Chart for Accessibility Section Questions 18 and 19

Table 240.2.1.2

Number and Types of Ground Level Play Components Required to be on Accessible Routes

Number of Elevated Play Components Provided	Minimum Number of Ground Level Play Components Required to be on an Accessible Route	Minimum Number of Different Types of Ground Level Play Components Required to be on an Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or fraction thereof, over 25	5



## Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in $\pm .25"$ and horizontal w/in $\pm 2^\circ$ . (ASTM 7.2.1)	X			
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	X			Due to the age of the GT structure, it will soon begin to accumulate water.
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	X			
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)		X	5	One ramp exceeds the max. run.
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path $\geq 36"$ . (ASTM 7.2.5)	X			
6. Continuous handrails are provided on both sides of stairs w/ $> 1$ tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)	X			
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	X			Only GT structure is compliant.
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)		X	2	They are not the 'sole means'; but flexible climbers are in poor condition.
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	X			
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)	X			
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)		X	2	GT structure is compliant, Kompan is non-compliant.
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	X			

## Access and Egress (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))		x	1	Head Entrapment on ramp that goes up to the ship; as well as on the vertical run ladder.
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		x	2	Entire ship has peeling paint and rot causing sharp points and edges.
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		x	2	Protrusions are evident in several places throughout playground and vary in degree of hazard.
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	x			
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)				n/a
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)		x	3	All wheels, some panels and spring riders have crush and shear points.
<b>19. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		x	5	Unknown; due to wide variety of manufacturers and age of structure.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)		x	3	The car wheel 'traps water'.
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		x	4	Rust/chipping paint are evident throughout the playground.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		x	2	Tripping hazards: tree roots, exposed cement footings, random perimeter edging, displaced tiles. Containment hazards: random wood pieces, residential landscape plastic with exposed hardware.

## Platforms, Landings, and Walkways

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of $\pm 2^\circ$ . (ASTM 7.5.1; CPSC 5.1.1)	X			
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)		X	4	Debris is present; sticks, grass, dirt and pebbles throughout.
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)	X			Compliant with platforms; but overall, unusable as there is no way 'to travel' to the equipment.
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)	X			
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)		X	1	Much of the equipment on the ship has several non designated surfaces greater than 2" X 2" square. No surfacing below.
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	X			
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)	X			GT structure is compliant.
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)	X			
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)	X			
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)		X	4	No guardrails with proper handholds.
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)	X			
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)		X	1	Designated surface more than 2" x 2" is present. Considered a platform.

## Platforms, Landings, and Walkways (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)	X			
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)		X	4	Improper handrails.
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	X			
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	X			
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	X			
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))		X	1	Head entrapment on the ramp leading to the ship.
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		X	2	The wooden ship is non-compliant.
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		X	2	Protrusions evident on the ship.
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)		X	3	'Unknown manufacturer play panels' have entanglement hazards: panels are located on the wood ramps.
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			

**Platforms, Landings, and Walkways (continued)**

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		x	4	Unknown; several different manufacturers.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)		x	4	The tires on the car are cracked and will fill with water.
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		x	2	The ship has peeling paint.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		x	3	Due to lack of surfacing & poor containment, tripping hazards are in multiple areas. Rubber tiles placed in random areas also creating tripping hazards.

Note: Tree roots and perimeter edging create tripping hazards. The edging next to the brick is a 'landscape edger' and is sharp. Replace with playground edging such as recycled plastic slats or wood slats - all should be flush.

## Climbers

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Rungs used for hand gripping are .95 – 1.55" in diameter and do not twist or rotate. (ASTM 8.2.1; CPSC 5.2.2)	X			
2. No climbing bars in interior of structure onto which a child may fall from H > 18". (CPSC 5.3.2.1.5)		X	2	Orange climber is circular, with no free fall.
3. Freestanding arch and flexible climbers are not recommended for 2-5. (CPSC 5.3.2.2, 5.3.3.3)				n/a
4. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
5. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
6. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
7. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
8. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
9. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)		X	3	Climbers and 'spring' type of equip. have slice/shear points.
<b>10. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		X	4	Note: origin of self locking fastener is unknown.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)				n/a
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	No 'spalling rust'.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		X	2	Concrete footings exposed at grade create tripping hazard.

## Upper Body Equipment

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Maximum distance between rungs is 15" for 5-12 and 12" for 4-5. (ASTM 8.3.1; CPSC 5.3.2.4)	X			GT structure for 5-12.
2. Hand gripping components have diameter between .95-1.55" and do not twist or rotate. (ASTM 8.3.1.1; CPSC 5.2.2)	X			GT structure.
3. Horizontal distance from take-off or landing structure or both to 1st handhold not > 10". If accessed by rungs, horizontal distance to 1st rung is 8-10". (ASTM 8.3.2; CPSC 5.3.2.4)	X			GT structure.
4. Max. height for 4-5 users is 60"; max. height for 5-12 users is 84"; max. height for wheelchair users is 54". (ASTM 8.3.3; CPSC 5.3.2.4)	X			GT structure for 5-12; Playworld independent for 5-12.
5. Max. height of take-off/landing platform for 4-5 is 18" and for 5-12 is 36". (ASTM 8.3.4; CPSC 5.3.2.4)	X			GT structure only.
6. Moveable hanging rings/rungs have max. length of 15" from pivot point to bottom of rung; flexible elements (chain, cable, etc) max. length is 7". (ASTM 8.3.5; CPSC 5.3.2.5)		X	5	Missing rings on Playworld independent.
7. Overhead rings are not recommended for 2-3, 4-12; is okay. (CPSC 5.3.2.5)				n/a
8. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
9. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
10. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
11. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			

### Upper Body Equipment (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
12. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
13. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
<b>14. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	☐	X	5	Note: miscellaneous rust and hardware missing.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	☐			n/a
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	☐	X	5	Horizontal beam - on missing ring - is rusted.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	☐	X	3	Filter fabric is exposed. Wood border is a tripping hazard.

## Slides

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Transition platform depth is min. 14"; width is $\geq$ slide bedway width. (ASTM 8.5.2.2, 8.5.2.3; CPSC 5.3.6.2)	X			
2. Handrails or means of hand support are provided at chute entrance. A means to channel users into sitting position exists. (ASTM 8.5.3.1, 8.5.3.2; CPSC 5.3.6.2)		X	2	The stainless steel slide does not have handrails/support.
3. Height/Length ratio $< .577$ (30°); no span of sliding surface $> 50^\circ$ . (ASTM 8.5.4.1, 8.5.4.2; CPSC 5.3.6.3.4)	X			
4. Slide chute width is min. 12" for 2-5, and min. 16" for 5-12. (ASTM 8.5.4.3; CPSC 5.3.6.3.4)	X			
5. Slides w/ flat and open chutes have continuous sidewall min. 4" high on both sides. (ASTM 8.5.4.4; CPSC 5.3.6.3.4)	X			The side rails on the stainless slide need to be sanded.
6. Tube slides have min. diameter of 23" w/ texture or barrier to prevent sliding on outside. (ASTM 8.5.4.7; CPSC 5.3.6.3.5)				n/a
7. Slides have min. 11" exit region length; exit region slope is between 0 and $-4^\circ$ . (ASTM 8.5.5.1, 8.5.5.2; CPSC 5.3.6.4)		X	3	No slides meet this guideline.
8. Slides $< 48$ " high have max. 11" height at exit; slides $> 48$ " have exit height between 7-15"; slide exit edges are rounded or curved. (ASTM 8.5.5.3, 8.5.5.5; CPSC 5.3.6.4)		X	3	Height from top of surface to bottom of slide vary, due to surfacing and/or placement of wear pads.
9. Slide non-entanglement zone has no projections that extend $> .12$ " in any orientation. (ASTM 6.4.1.1.2; CPSC 5.3.6.7)		X	2	At a sitting position, there is a break in the wood pieces of the pirate ship.
10. Sliding surface is smooth and continuous (except roller slides) and has no spaces that may create an entanglement hazard. (ASTM 6.4.1.2; CPSC 5.3.6.7)	X			
11. A clear area, free of obstacles, surrounds the slide chute; clear area extends through slide exit use zone. (ASTM 8.5.6.1)	X			
12. Spiral slides w/ open chutes have a clear area 21" wide from the inside edge of sidewall for the entire length. (ASTM 8.5.6.2)	X			
13. Slides are accessed by evenly spaced stairs, ladders, or platforms $< 9$ " (2-5) or $< 12$ " (5-12) apart, and pass entrapment test. (ASTM Table 2, CPSC 5.2.1, Table 6)	X			
14. Slide bedway is shaded and avoid direct sun exposure to metal decks and chutes. (CPSC 5.3.6)		X	3	Some slides are shaded; some are not.

Slides (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
15. Long spiral slides (> 1 360° turn) are not recommended for 2-5. (CPSC 5.3.6.3.3)	X			GT structure 5-12 years.
16. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
17. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
18. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
19. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
20. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
21. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1) Roller slides do not admit 3/16" neoprene rod. (CPSC 5.3.6.3.2)	X			
<b>22. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		X	5	Multiple manufacturers; multiple types on connections. There are some pieces of old hardware that could be removed without any special tool.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)				n/a
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	Varying degrees of rust on equipment
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		X	3	Tripping hazards: filter fabric, wood flush edging, and plastic edging with stakes.

## Swings

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. All suspended elements are located away from other play structures and circulation areas; are not attached to composite structures. (ASTM 8.6.1)		x	2	Single post swings are non-compliant - as they are located in the middle of the playground.
2. Support structure discourages climbing and has no designated play surfaces. (ASTM 8.6.2)	x			Additional surfacing needed.
3. Maximum (2) and/or (1) multiple occupancy or multi-axis suspended element per bay and are finished w/ blunt or rounded edges. (ASTM 6.2 and 8.6.4.4, and .5)	x			Additional surfacing needed.
4. Hangers have bearings, bushings, or other means of reducing friction and wear. (ASTM 8.6.3)	x			Additional surfacing needed.
5. Horizontal distance between adjacent suspended elements at rest is min. 24" when measured 60" above surfacing. (ASTM 8.6.5.1.2)	x			Additional surfacing needed.
6. Horizontal distance between support structure & adjacent to-fro seat min. 30" measured 60" above surfacing. (ASTM 8.6.5.1.3)	x			Additional surfacing needed.
7. Swing hangers are min. 20" apart, and spaced wider than suspended element. (ASTM 8.6.5.1.4)	x			Additional surfacing needed.
8. Vertical distance between underside of suspended element and surfacing min. 12" and 24" for enclosed suspended elements. (ASTM 8.6.5.1.5)	x			Additional surfacing needed.
9. All suspended elements must comply w/ laboratory test for max. impact. ( $\leq 100g/\leq 500HIC$ ) (ASTM 8.6.4.2)	x			Additional surfacing needed.
10. (1) single-axis or multi-axis suspended element (per bay) and w/ limited lateral movement must maintain min. 30" clearance to support structure during use measured 24" from top of seat surface. (ASTM 8.6.5.1.3)	x			Additional surfacing needed.
11. All parts of a suspended element $\leq 84"$ at its lowest point during use must meet impact requirements. ( $\leq 100g/\leq 500HIC$ ) (ASTM 8.6.4.3)	x			Additional surfacing needed.
12. Combination suspended elements must have a $> 30"$ clearance zone to support structure at rest or full range of motion of other suspended element through its dynamic range of motion during use. (ASTM 8.6.5.3.2)	x			Additional surfacing needed.

Swings (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Multi-axis suspended elements have Y + 30" cylindrical, unobstructed clearance zone, where Y= vert. distance from pivot point to top of swing seat. Min. 12" from bottom of swing seat and surfacing. (ASTM 8.6.5.2)				n/a
14. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
15. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		X	2	A rubber toddler seat has metal that has cut through the rubber.
16. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
17. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
18. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
19. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)		X	3	Coated chain is cracked and can crush fingers.
<b>20. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)				n/a
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	5	There is a minimal amount of rust.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		X	3	Several tripping hazards: tree roots, filter fabric and wear pads.

## Spring Rocking Equipment

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Seats are designed to minimize use by more than intended number of users. (ASTM 8.11.1; CPSC 5.3.7)	X			
2. Each seating position has handgrips. Handgrips for 1 hand are min. 3" long. Handgrips for 2 hands are min. 6" long. (ASTM 8.11.2; CPSC 5.3.7)	X			
3. Footrests are provided w/ min. width of 3.5". (ASTM 8.11.3; CPSC 5.3.7)	X			
4. Spring mechanisms are free of crush and shear. Upper and lower attachment points of coil springs are exempt. (ASTM 8.11.4; CPSC 5.3.7)	X			
5. Seat height is min. 14" and max. 28" above surfacing. (ASTM 8.11.5; CPSC 5.3.7)		X	3	Lack of surfacing deems this non-complaint.
6. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
7. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		X	3	The Playworld seat/step has metal exposed.
8. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
9. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
10. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
11. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			

### Spring Rocking Equipment (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
12. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X			
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		X	3	Tripping hazards in several areas: surface mount, concrete is crumbling, hardware is missing, and no surfacing.

## Miscellaneous Equipment

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Miscellaneous Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>A. Balance Beams</b>				
1. Top surface of beam is 12" max. for 2-5 and 16" max. for 5-12. (ASTM 8.1.1; CPSC 5.3.1)	X			
2. Support posts contain no tripping hazards. (ASTM 8.1.2)	X			Additional surfacing needed.
<b>B. Sliding Poles</b>				
1. Clearance between structure and pole is 18-20". (ASTM 8.4.1; CPSC 5.3.2.6)	X			
2. Upper access is from one elevation only. (ASTM 8.4.2; CPSC 5.3.2.6)	X			
3. Sliding pole accessed from a platform is min. 60" above platform. (ASTM 8.4.3; CPSC 5.3.2.6)	X			
4. Max. pole diameter is 1.9" (ASTM 8.4.4; CPSC 5.3.2.6)	X			
5. Pole is continuous w/ no protruding welds, joints, or abrupt changes in direction. (ASTM 8.4.5; CPSC 5.3.2.6)	X			
6. Guardrail or barrier at platform entrance/exit has max. 15" opening. (ASTM 8.4.6; CPSC 5.3.2.6)	X			
7. Sliding poles are not recommended for 2-5. (CPSC 5.3.2.6)	X			
<b>C. Swinging Gates and Doors</b>				
1. Swinging gates and doors are not recommended for public playgrounds. (ASTM 8.7; CPSC 2.3.1)				n/a
<b>D. Log Rolls</b>				
1. Handgripping components w/ diameter between .95-1.55" are provided. (ASTM 8.12.1; CPSC 5.3.3)				n/a
2. Log rolls are not recommended for ages 2-5. (ASTM 8.12.2, 8.12.3; CPSC 5.3.3)				n/a
3. Max. roller height is 18". (ASTM 8.12.3; CPSC 5.3.3)				n/a

## Miscellaneous Equipment (continued)

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Miscellaneous Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
<b>E. Roller Slides</b>				
1. There are no crush, shear, entrapment, entanglement, or catch points between the junctures caused by 2 or more components that will admit the 3/16" dowel. (ASTM 8.9.2; CPSC 5.3.6.3.2)				n/a
<b>F. Roofs</b>				
1. Roofs that are < 84" above the designated play surface contain no designated play surfaces. (ASTM 8.14.2)	X			
2. Support members are designed to discourage climbing and have no designated play surface. (ASTM 8.14.3)	X			
<b>G. Stepping Forms</b>				
1. Stepping forms have min. 10" dia. designated play surface, and max. slope of 30°. (ASTM 8.15.1, 8.15.2)	X			
2. Stepping forms are max. 20" high when intended for 2-5, and max. 30" high when intended for 5-12. (ASTM 8.15.3)	X			
3. Hand supports are present when 2-5 forms are > 20" high; 5-12 forms are > 30" high. Hand supports are between 22-38" above form surface. (ASTM 8.15.3 and .4)				n/a
4. Stepping forms intended for 2-5 are stationary. Forms above 30" intended for 5-12 are stationary. (ASTM 8.15.5)	X			
5. Stepping forms for 2-5 are max. 12" apart. Forms for 5-12 are max. 18" apart. (ASTM 8.15.6)		X	3	Compliant for 5-12; not compliant for 2-5. Plates under pods are rusted.
<b>H. Parallel Bars</b>				
1. Parallel bars are not recommended for 2-5. (CPSC 5.3.2)				n/a

## Specific Equipment Audit (SEA Form) For Equipment Not Covered By the Standard

Type of Equipment \_\_\_\_\_

RECYCLED CAR

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Specific Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
2. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		X	3	Hardware is 'backing out'.
3. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		X	2	Wheel has hardware in the center that has protrusions.
4. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
5. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
6. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)		X		Wheel is not connected properly.
<b>7. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		X	3	Fasteners are corroded and backing out.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)		X	3	Tires are cracked.
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X?			
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		X	4	No surfacing under structure; guardrails are required on the hood of the structure.

## Specific Equipment Audit (SEA Form) For Equipment Not Covered By the Standard

Type of Equipment SAND BOX

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Specific Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))				n/a
2. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		x	4	Recycled material is 'bowing' and has sharp points.
3. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)				n/a
4. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)				n/a
5. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)				n/a
6. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)				n/a
<b>7. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)				n/a
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)				n/a
Equipment is free of rust/chipping paint. (CPSC 2.5.4)				n/a
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)				n/a

## Specific Equipment Audit (SEA Form) For Equipment Not Covered By the Standard

Type of Equipment DINOSAUR and HIPOTOMAU

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Specific Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
2. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
3. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
4. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
5. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
6. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
<b>7. Hardware/General Concerns</b>				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)				n/a
Equipment is free of rust/chipping paint. (CPSC 2.5.4)				n/a
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)		X	3	No surfacing and/or poor surfacing.

## ADDITIONAL PLAYGROUND PHOTOS



Exposed steel



Exposed rust and protrusion



This needs to be 11" exit run-out and level.



Paint is flaking



More than 2" x 2" on ramp rail – this is considered a platform.



Protrusion/projection

## ADDITIONAL PLAYGROUND PHOTOS



Rotted wood



Failing support



No bar or hold to channel a child into a sitting position.



Exposed roots



Head entrapment [using CPSI tool]



Rotted wood on bench; trash receptacle top is broken.



## ADDITIONAL PLAYGROUND PHOTOS



Rotted wood



Rusted metal – is spalling.



No handholds; head entrapment on stairs.



Rope climber has steel strands within the rope; wood is rotted.



Rotted wood; vegetation.



Curling rubber – tripping hazard.



## ADDITIONAL PLAYGROUND PHOTOS

*Note: Tottler structure removed 'after' Audit.*



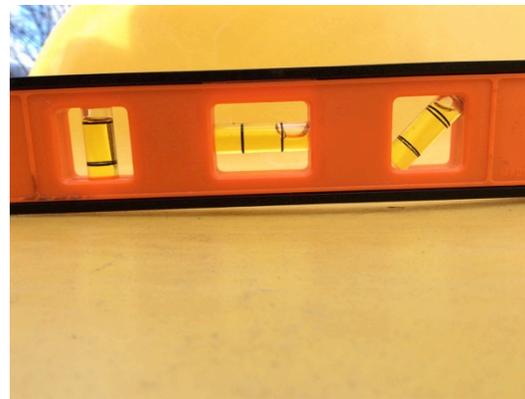
PVC peeling and rusting on metal step.



Pinch, crush, shear point.



Missing hardware.



11" exit run out is missing on the slide. Also – is not level.



Crumbling support; no surfacing.



Hardware is backing out: shear & crush point.

## ADDITIONAL PLAYGROUND PHOTOS



Hardware backing out: crush point.



Perimeter edge hardware is backing out; sharp edges.



Bolt link is worn.



Exposed support; rotted wood on bench.



Rust on pod support.



Rotted tires on 'car'. Note: the top/hood of car should be installed lower to avoid the need for guardrails.



## ADDITIONAL PLAYGROUND PHOTOS



Exposed rusted hardware.



Loose surface tiles – tripping hazard. Bench seat is either installed too low or the sand is too high.



Rotted perimeter edging at chain link fence.



Broken equipment.



'Hard-packed sand'. Does not provide proper impact attenuation.



## ADDITIONAL PLAYGROUND PHOTOS



Picnic table wood rot.



Missing hardware on roof of club house. Check to see if this is at all connected.



Cracked panel on train.



'Out of plumb'.



All welds need to be sanded and spot painted. New seat is needed. 'Sharp vegetation' near equipment.





## ADDITIONAL PLAYGROUND PHOTOS



Sand, prime and paint. Contact manufacturer for



Exposed footing on bench; and vegetation.



Suggest to replace this type of gate with a 'safety gate' [pull-out] to meet ADA compliance.



Sharp edging at the bricks; vegetation.



Sandbox – recycled plastic is failing.



No surfacing and poor placement for this piece of equipment.



## ADDITIONAL PLAYGROUND PHOTOS



Out of plumb post.



Clamps are not closed.



Clamps are not closed.



There is no 'clear fall'. Child could not fall off without hitting other metal rungs. Also, not 100% plumb.



Game Time structure will have a retrofit ; this is a 5-12 structure.



No surfacing. Leaves and vegetation.



## ADDITIONAL PLAYGROUND PHOTOS



Remove Sand Box.



Broken chain ladder will be replaced with another type of climber.



This 'random' wood edge is a tripping hazard.



1 broken Pod; uneven installation; one pod is a further distance away than the others.



Bench may be installed too low.



Existing 'wear mat' under the spinner provides no 'wear assistance'. Also, installed too low; no surfacing.

## ADDITIONAL PLAYGROUND PHOTOS



Flange rust; change out links. No rings; no surfacing. This is an 8' fall height.



Roots throughout.



# APPENDIX

# INFORMATION OF INTEREST

 EQUIPMENT NOT RECOMMENDED

 PLAYGROUND SITE HISTORY CHECKLIST

 PLAYGROUND DRAFT ACCIDENT/INCIDENT REPORT

 PLAYGROUND HIGH FREQUENCY INSPECTION (Daily or Routine)

 EXAMPLES OF SAFETY LABELS [AVAILABLE FOR PURCHASE]

 EXAMPLES OF PLAYGROUND SIGNAGE [AVAILABLE FOR PURCHASE]

 WHAT TO EXPECT: LOW FREQUENCY PLAYGROUND INSPECTION

 WHAT TO EXPECT: PLAYGROUND AUDITS

 ACKNOWLEDGEMENTS AND SOURCES

 DISCLAIMERS

## FOR YOUR INFORMATION | EQUIPMENT NOT RECOMMENDED

### EQUIPMENT NOT RECOMMENDED FOR PUBLIC PLAYGROUNDS [ASTM F 1487-11; CPSC #325-10 SECTION 2.3.1]

- Heavy Metal Swings
- Multiple occupancy swings with the exception of tire swings
- Ropes Swings
- Giant Stride
- Exercise Rings
- Trapeze bars
- Swinging gates and doors [ASTM F 1487-11 Section 8.7] [ASTM F 2373-08 Section 9.1.1]
- Swinging dual exercise rings and trapeze bars
- Trampolines
- Climbing Ropes that are not secured at both ends
- Single Ropes or cables hung under 84 inches high [ASTM F 1487-11 Section 6.6]

*These items should be removed from the playground, regardless of the intended user age!*

### EQUIPMENT NOT RECOMMENDED FOR CHILDREN UNDER 5 YRS. OLD

- Free Standing Arch Climbers [ASTM F 2373-08 Section 9.1.1] [CPSC #325-10 Section 5.3.2.2]
- Free Standing climbing events with flexible components [ASTM F 2373-08 Section 9.1.1] [CPSC #325-10 Section 5.3.2.3]
- Log Rolls [ASTM F 1487-11 Section 8.12.3] [ASTM F 2373-08 Section 9.1.1] [CPSC #325-10 Section 5.3.2.3]
- Fulcrum Seesaws [ASTM F 1487-11 Section 8.10.1] [ASTM F 2373-07 Section 9.1.1] [CPSC #325-10 Section 5.3.5.1]
- Spiral Slides with more than 360 degrees [CPSC #325-10 Section 5.4.6.3.3]
- Track Rides [ASTM F 1487-11 Section 8.13.1] [CPSC #325-10 Section 5.3.2.7]
- Sliding Poles [ASTM F 2373-08 Section 9.1.1] [CPSC #325-10 Section 5.3.2.6]
- Flexible Climbers – Sole means of access [CPSC #325-10 Section 5.3.2]

### EQUIPMENT NOT RECOMMENDED FOR CHILDREN UNDER 4 YRS. OLD

- Horizontal Ladders [60 inches or less for 4 yr. old users] [CPSC #325-10 Section 5.3.2.4]
- Ring Treks [60 inches or less for 4 yr. old users] [CPSC #325-10 Section 5.3.2.5]

# PLAYGROUND SITE HISTORY CHECKLIST

Site Name: \_\_\_\_\_ Date Equip. Installed: \_\_\_\_\_

Checklist completed by: \_\_\_\_\_ Date: \_\_\_\_\_

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Item on File		Checklist Items
YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	1. Manufacturer's information – address, contact, phone, e-mail
<input type="checkbox"/>	<input type="checkbox"/>	2. Insurance certificate (including product liability limits)
<input type="checkbox"/>	<input type="checkbox"/>	3. Inspection, maintenance, and repair instructions
<input type="checkbox"/>	<input type="checkbox"/>	4. Itemized lists of play components and parts
<input type="checkbox"/>	<input type="checkbox"/>	5. Manufacturer's installation drawings and instructions
<input type="checkbox"/>	<input type="checkbox"/>	6. Compliance letters:
<input type="checkbox"/>	<input type="checkbox"/>	a. Equipment compliance (w/ ASTM F1487, CPSC Handbook)
<input type="checkbox"/>	<input type="checkbox"/>	b. Installation compliance (w/ ASTM F1487, CPSC Handbook)
<input type="checkbox"/>	<input type="checkbox"/>	c. Surfacing compliance (w/ ASTM F1292, ASTM F1951)
<input type="checkbox"/>	<input type="checkbox"/>	7. Specifications and bid documents (equipment and surfacing)
<input type="checkbox"/>	<input type="checkbox"/>	8. PO's, contracts, award documents
<input type="checkbox"/>	<input type="checkbox"/>	9. Site plans and drawings
<input type="checkbox"/>	<input type="checkbox"/>	10. Playground policy statement
<input type="checkbox"/>	<input type="checkbox"/>	11. Staff training documentation
<input type="checkbox"/>	<input type="checkbox"/>	12. Initial play area safety audit
<input type="checkbox"/>	<input type="checkbox"/>	13. Recommended inspection frequency checklist
<input type="checkbox"/>	<input type="checkbox"/>	14. Completed inspection forms; master copies of forms
<input type="checkbox"/>	<input type="checkbox"/>	15. Remedial action history:
<input type="checkbox"/>	<input type="checkbox"/>	a. Telephone complaints
<input type="checkbox"/>	<input type="checkbox"/>	b. Work Orders
<input type="checkbox"/>	<input type="checkbox"/>	16. Accident and Incident Reports (w/ names blacked out)
<input type="checkbox"/>	<input type="checkbox"/>	17. Accident Investigation Reports (w/ names blacked out)
<input type="checkbox"/>	<input type="checkbox"/>	18. Accident summary reports or studies
<input type="checkbox"/>	<input type="checkbox"/>	19. Other
<input type="checkbox"/>	<input type="checkbox"/>	20. Other
<input type="checkbox"/>	<input type="checkbox"/>	21. Other

**IMPORTANT: This information has been prepared to assist the owner's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.**

# PLAYGROUND DRAFT ACCIDENT/INCIDENT REPORT

Page 1

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## DRAFT Accident/Incident Report

Member Name: \_\_\_\_\_

Name of person completing report: \_\_\_\_\_ Date: \_\_\_\_\_

General Liability Claim			
Bodily Injury <input type="checkbox"/>		Property Damage <input type="checkbox"/>	
Location of Incident			
Date of Accident: _____		Time of Accident: _____	
Location/Address: _____ (name of park, pool community center, facility, etc.)			
Specific Location: _____ (playground, parking lot, gym, etc.)			
Bodily Injury			
Name of Injured Person: _____		Birth Date: _____	Sex: _____
Address: _____	City: _____	State: _____	Zip: _____
Home Phone: _____		Business/Daytime Phone: _____	
Part of body injured: _____		Nature of injury: _____	
Brief factual summary of incident: (no speculation or opinions)			
Did injured person make any statements? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, what was said?			
Was First Aid Administered? <input type="checkbox"/> Yes <input type="checkbox"/> No			
By whom: (name and position) _____			
What first aid was given? _____			
Paramedics Services Offered? <input type="checkbox"/> Accepted <input type="checkbox"/> Refused		Police Called? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Paramedics Called? <input type="checkbox"/> Yes <input type="checkbox"/> No (When in doubt, call for paramedics services.)		Police Dept. _____	
		Officer: _____	

# PLAYGROUND DRAFT ACCIDENT/INCIDENT REPORT

page 2

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Bodily Injury (continued)			
Parents/Relatives Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No			
By whom: _____		Phone: _____	
Parent/relative name: _____		Phone: _____	
Relationship to injured person? _____			
Witness Information			
Name: _____			
Home Phone: _____		Business/Daytime Phone: _____	
Address: _____			
City: _____		State: _____	Zip: _____
Relationship to injured party:			
<input type="checkbox"/> Relative/friend (specify) _____			
<input type="checkbox"/> Another program participant or park user			
<input type="checkbox"/> Passer-by			
<input type="checkbox"/> Employee or volunteer			
<input type="checkbox"/> Other (specify) _____			
Did witness make any statements? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If so, what was said? (Attach more pages if necessary)			
Third Party Property Damage (damage to non-agency property)			
Name of Property Owner:			Sex:
Address:	City:	State:	Zip:
Home Phone:	Business/Daytime Phone:		
Property damaged was:			
Explain how damage occurred (facts only, no opinions):			
Estimated Cost to Repair?		Estimates attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

# PLAYGROUND HIGH FREQUENCY INSPECTION

High Frequency Playground Inspection

## High Frequency Inspection Form (Daily or Routine) Any Town Park District

Site Name/Code: \_\_\_\_\_

Inspector Name: \_\_\_\_\_ Date: \_\_\_\_\_ Start/Finish Times \_\_\_\_\_ / \_\_\_\_\_

Repairer Name: \_\_\_\_\_ Date: \_\_\_\_\_ Start/Finish Times \_\_\_\_\_ / \_\_\_\_\_

Use the following codes: 1= Okay 2= Needs Maintenance 3= Request for Repair  
O= Supervisor Notified and Work Order Written X= Corrective Action Complete

General Inspection Items	Code	Inspection Comments	Repair Comments
Vandalism: Damage, graffiti, glass, trash, etc.			
Loose or missing hardware			
Chains (kinked, twisted, broken)			
Components secure (no loosening)			
Swing Seats (cut, cracked, missing)			
Wood (rotten, cracked, missing)			
Remove foreign objects (ropes, chains, wood, etc.)			
Sweep walkways, platforms, steps			
Footers (concrete) exposed			
Standing water			
Objects in surfacing material			
Rake loose surfacing material level			
Need surfacing material for under:			
Swings			
Climbers			
Sliding Poles			
Slide			
Others			

**For official use only**  
 Approved by \_\_\_\_\_ Date \_\_\_\_\_  
 Reviewed by \_\_\_\_\_ Date \_\_\_\_\_

This form has been prepared to assist the playground owner's attorney in defending potential litigation.  
DO NOT release to any person except an owner's official or designated claim representative, or an investigating officer.

Use back of form for additional comments.  
 Report all vandalism to building principal and/or your maintenance supervisor.

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# EXAMPLES OF SAFETY PLAYGROUND LABELS

[AVAILABLE FOR PURCHASE]

\$2.00 EA.

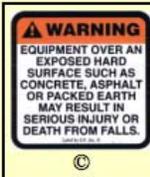


**Strangulation Warning Label; (3.75" x 3.75")** See CPSC Section 3.2.1, pages 14 and 15, and ASTM #F1487-11 Section 14.2.3. This label will inform, warn, and educate about the hazard of a user being strangled on the playground and what steps to take to mitigate it, and provides graphics for complete message clarity.

**Note:** CPSC says to place this label on or near "slides or other equipment", however, entrances to the entire play area are the best locations so that the "message is conveyed" in a timely manner.



**"Hot Surface" Warning Label; (2.5" x 2.5")** See CPSC Sections 2.1, 2.4.2.1, 2.5.3, 5.3.6, and ASTM #F1487-11 Section 14.2.4. This label warns the caregiver about the hazard of burn injuries and to check surfacing and/or equipment before use to mitigate burn injuries.



**Surfacing Warning Label (version "A") (2.5" x 2.5")** complies with ASTM #F1487-11, Section 14.2.5. This label will inform, warn, and educate about the hazard of play equipment located over hard surfaces. The purpose of this label is to serve as a constant reminder to provide and maintain appropriate surfacing.



**Surfacing Warning Label (version "B") (2.5" x 2.5")** complies with ASTM #F1487-11, Section 14.2.5. This label will inform, warn, and educate about the hazard of play equipment located over hard surfaces. The purpose of this label is to serve as a constant reminder to provide and maintain appropriate surfacing.



**"Adult Supervision Is Recommended" Label (2.5" x 2.5")** tells users and caregivers that the playground is not intended as a place for unsupervised play. See CPSC Sections 1.6, 2.2.7, and the ASTM #F1487 "Introduction" and Section 14.2.2.



**Age Group Labels (2.5" x 2.5" each)** help with age separation, which is critical to safety and correct inspection evaluations! "For kids ages 2-5 years", "For kids ages 5-12 years", "For kids ages 2-12 years". CPSC Section 2.2.6 says "Labels posted in the playground area or on the equipment should give some guidance to supervisors as to the age appropriateness of the equipment." Also, CPSC Section 2.2.7 says "Supervisors should look for posted signs indicating the appropriate age of the users and direct children to equipment appropriate for their age." See ASTM Standard #F1487 Section 5.2, and Section 14.2.1 that requires these labels as well.



# EXAMPLES OF PLAYGROUND SIGNAGE

[AVAILABLE FOR PURCHASE]



## WHAT TO EXPECT: LOW FREQUENCY PLAYGROUND INSPECTION

Playground inspections [low frequency] should be completed at least annually to highlight the owner's intention to maintain a standard of care and to simply keep their playground safe. A CPSI [Certified Playground Safety Instructor] can uncover issues not usually seen by the owner, users, or those that maintain the playground on a regular basis with high frequency inspections.

Be Proactive! When low frequency inspections are completed, begin your scheduling to address the findings. Decide on the future scheduling for high and low frequency inspections immediately.

Determining between a high frequency and low frequency inspection schedule involves examining use and location of playground:

-  High frequency = a heavily used, busy playground needs more frequent inspections.
-  Low frequency = more comprehensive review of entire playground on an annual basis.
-  Actual physical location of playground - Inner city, suburb, rural
-  Is the playground at a school, in a neighborhood, in a private development or club
-  Ages of children that use the playground
-  Demographics of area - is there a history of vandalism at the park or surrounding areas?
-  Environmental conditions - is playground near ocean front or damp area?
-  Surfacing – loose fill or unitary?
-  Materials used in manufacturing – wood, steel, aluminum, plastic.

Low Frequency Inspections include a report that will identify hazards and maintenance required on your playground, an inventory of the playground, photographs to clearly identify potential issues, and possible recommended resolutions to bring the playground into compliance. Risk taking for children is a normal and needed part of development. It is when the risk becomes a hazard that problems occur. Having a regular [at least annual] low frequency inspection will help to avoid the hazard before they happen. *Inspections are based on the US Consumer Product Safety Commission's CPSC Guidelines and following ASTM International standard F1487-11.*

## HIGH FREQUENCY PLAYGROUND INSPECTION

A maintenance worker, school custodian, park staff, etc. can conduct High Frequency Inspections on a regular basis. We can provide you with a format for your inspections and help you determine frequency schedules.

## WHAT TO EXPECT: PLAYGROUND AUDITS

A Playground Audit is a comprehensive evaluation of a playground, resulting in a highly detailed safety report. Audits are usually performed:

- 🔍 After a new installation;
- 🔍 If an audit has never been completed;
- 🔍 While considering a major renovation to playground; or
- 🔍 If the playground is under consideration for being removed or replaced.

An audit includes:

- 🔍 A detailed, comprehensive playground safety report, including photographs of non-compliance areas.
- 🔍 General inventory of play components and site amenities.
- 🔍 Use zone evaluation.
- 🔍 Siting of current environmental conditions in play area.
- 🔍 Siting of current maintenance conditions in play area.
- 🔍 Inspection in detail including surfacing, perimeter edging, site amenities, each piece or groups of same components.
- 🔍 Observations by made by Inspector of playground and children at play during audit [if applicable].
- 🔍 Identifying hazards by a priority rating of 1-5. Where "1" is non-compliant, that may result in permanent disability, loss of life or body part[s].
- 🔍 Identifying violations with the ASTM 1487-11 or CPSC current regulation category.
- 🔍 Identifying the playground's compliance with the current ADA requirements.
- 🔍 Lastly, recommendations in the Inspectors "professional opinion", for bringing your play area into compliance.
- 🔍 The Inspector takes care when measuring, photographing and examining conditions of equipment based on the CPSC and ASTM safety standards.

At audit completion, the Inspector will hand deliver the audit, and explain findings.

The Consumer Product and Safety Commission CPSC-10 and the American Society of Testing Materials ASTM-11 are compilations of suggested guidelines. These guidelines do not cover "home playground equipment, amusement park equipment or indoor playgrounds [most enclosed units]."

Each year in the US, over 200,000 children go to the emergency room due to playground accidents. The age group 2-9 years makes up 75% percent of the accidents. An audit may not uncover every potential safety concern in a child's environment; but it is an essential tool in helping to prevent most hazards.

## ACKNOWLEDGEMENTS AND SOURCES

- 🔍 International Playground Safety Institute, LLC, Ken Kutska, CPRP, CPSI
- 🔍 SafePlay by Design, David Spease, CPSI
- 🔍 Playground Inspections, USA
- 🔍 Safety Play Inc., Scott Burton, CPSI
- 🔍 Playground Medic, P. Payne, CPSI, J. Reed, CPSI
- 🔍 ASTM F 1487-11; ASTM F 1292; ASTM F 1951
- 🔍 CPSC-10

“Play is the work of children”. {*Maria Montessori*}  
It is our work to keep them safe while they play.



## DISCLAIMER

### Playground Inspection Disclaimer (either Low or High):

Playground Inspections of New England, LLC ("PINE") bases its playground inspection procedures on the standards of both the American Society for Testing and Materials ("ASTM") and the U.S. Consumer Product Safety Commission ("CPSC"), as those may be amended from time to time.

At the completion of the inspection, PINE will furnish to the customer a written report (the "Inspection Report") which shall identify possible noncompliance with ASTM 1487-11 and CPSC standards and which shall make recommendations with regard to further investigation (the "Inspection Results"). The inspection and the Inspection Report shall cover only the playground with respect to which PINE has been engaged to inspect (the "Playground"). The Inspection Report shall only reference the conditions of the Playground on the date of the inspection, which date shall be specifically provided for in the Report (the "Inspection Date"). It is specifically understood that PINE shall not perform any repairs or maintenance on the Playground as that is the sole responsibility of the customer.

PINE shall have no liability whatsoever with regard to any change in the condition of the Playground from and after the Inspection Date.

PINE shall have no liability relating to the Playground or the Inspection Report or relating in any way to any loss, cost, liability, damages, claims or suits whatsoever relating to the same unless due solely to the gross negligence or willful act of PINE.

An inspection of a playground is not an audit of said playground, but is rather a more generalized review designed to alert the customer to possible noncompliance with ASTM 1487-11 and CPSC and the Inspection Report is not to be deemed to be a certification as to the safety of the playground or its compliance with ASTM 1487-11 and CPSC.

## **PLAYGROUND AUDIT DISCLAIMER**

Playground Inspections of New England, LLC (“PINE”) bases its audit procedures on the standards of both the American Society for Testing and Materials (“ASTM”) and the U.S. Consumer Product Safety Commission (“CPSC”), as those may be amended from time to time.

At the completion of the audit, PINE will furnish to the customer a written audit report (the “Report”) which shall include recommendations for the audited playground to provide for compliance with ASTM and CPSC standards (the “Recommendations”). The audit and the Report shall cover only the playground with respect to which PINE has been engaged to audit (the “Playground”). The Report shall only reference the conditions of the Playground on the date of the audit, which date shall be specifically provided for in the Report (the “Audit Date”). It is specifically understood that PINE shall not perform any repairs or maintenance on the Playground as that is the sole responsibility of the customer.

PINE shall have no liability whatsoever with regard to any change in the condition of the Playground from and after the Audit Date.

PINE shall have no liability relating to the Playground or the Report or relating in any way to any loss, cost, liability, damages, claims or suits whatsoever relating to the same unless due solely to the gross negligence or willful act of PINE.

# National Recreation and Park Association

Let it be known that

**NANCY A WHITE**

has met the requirements of the standards set forth by the  
National Certification Board

and is hereby granted certification as a

**Certified Playground Safety Inspector**



**Certified  
Playground  
Safety Inspector**

  
NATIONAL CERTIFICATION BOARD CHAIRPERSON

4/10/2014  
DATE CERTIFIED

  
NRPA PRESIDENT AND CEO

24284-0517  
CERTIFICATION NUMBER

5/1/2017  
EXPIRATION DATE



National Recreation  
and Park Association