



## **F1487-01 Audit**

**Site name:**

Nickname:

Address:

City, State Zip:

Phone:

Performed by:

Date Performed:

Status:

# Public Playground Standards and Requirements

## **Playground Performance Standard:**

This safety performance audit provides a comparison to current safety and performance standards for various types of public playground equipment. Its purpose is to provide a method to reduce the potential for life threatening and debilitating injuries. The range of users encompassed by this audit specification is the 5th percentile 2 year-old to the 95th percentile 12 year-old. The standards in this document are taken from specifications provided in ASTM F 1487-01 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, ASTM F 1292-04 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment, CPSC "Handbook for Public Playground Safety", and the NRPA and National Playground Safety Institute national certification for playground safety program.

## **Designer's and Manufacturer's Responsibilities:**

The designer or manufacturer shall provide clear and concise instructions and procedures for the installation of each play structure designed and provided, as well as a complete parts list (ASTM F 1487-01 Section 11). Structural integrity tests are the responsibility of manufacturers. These tests are conducted on equipment at a test site and; not intended to be performed on equipment installed on the playground or as part of a routine maintenance program (ASTM F 1487-01 Section 12).

## **Owner's / Operator's Responsibilities:**

The owner / operator shall follow the designer's or manufacturer's instructions and procedures to install all play structures provided. The designer of each play structure shall provide to the owner / operator clear and concise inspection, maintenance, and repair instructions, including but not limited to, what, when and how to inspect, maintain, and repair. Based on the manufacturer's recommendations, the owner / operator shall train employees performing the regularly scheduled maintenance of play equipment. The training shall include but not be limited to inspection procedures, maintenance procedures, cleaning and sanitation procedures and emergency evacuation procedures. The owner / operator shall install protective surfacing within the use zone of each play structure in accordance with ASTM F 1292-04 appropriate for the fall height of each structure. The owner /operator shall establish and maintain detailed installation, inspection, maintenance and repair records for each public-use playground equipment area. The owner operator shall maintain the surfacing within and around the use zones, entrances and exits of the play structure, free from extraneous materials that could cause injury, infection or disease. (ASTM F 1487-01 Section 13)

# Accessibility, Climbing Equipment & Sand Play

## Accessibility

The purpose of this audit form, with regard to accessibility, is to allow the auditor to determine compliance of the play area with ASTM F 1487-01. The goal of the auditor is to determine if a person with a disability has access to, on and through the equipment and play area. The audit form is not intended to assess design compliance. The auditor shall indicate in the comments and summary report, in your opinion, whether or not the playground is assessible per this three part question.

-Does the user have safe access to , through, and onto the playground equipment?

## Climbing Equipment

Climbers refer to arch climbers, sliding poles, chain or net climbers, dome climbers, parallel bars, balance beams, cable walks, suspension bridges (clatter bridges), spiral climbers, and composite structures with linked platforms.

Note: Roofs have no designated elevated play surfaces.

## Sand Play

This section is only applicable to sand box areas designated for play. Ground level sand boxes and activity wall require a child to be at ground level. Such ground level activities are excluded from the recommendations for protective surfacing under and around playground equipment. (CPSC 4.4, ASTM 9.3.4, 9.8.1)

# Playground Border and Distance Chart

Surrounding Item List	Distance from Playground	Comments
1st public street		
2nd public street		
3rd public street		
4th public street		
Streets with heavy traffic		
Water ponds, streams, drainage		
Athletic Fields		
Football		
Baseball		
Basketball		
Parking Lots		
Railroad Tracks		
Trees (indicate if not pruned to 7')		
Golf Course		
Other (specify)		

Determine which playground border concerns exist and indicate the distance from the playground border.

# Inventory

Inventory item	Amount	Comments
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## Composite Play Structure

- 1: Stairways and Step Ladders
- 2: Vertical Rung Ladders
- 3: Rigid Climber
- 4: Flexible Climber
- 5: Decks and Platforms
- 6: Play Panel
- 7: Slides
- 8: Sliding Pole
- 9: Horizontal Ladder
- 10: Horizontal Rings
- 11: Track Ride
- 12: Crawl Tunnel
- 13: Clatter Bridge / Bridges
- 14: Ramps
- 15: Transfer Stations
- 16: Roofs
- 17: Other

## Free Standing Equipment

- 1: Swings(to-fro)
- 2: Tire Swings
- 3: Seesaws
- 4: Slides
- 5: Rigid Climbers
- 6: Flexible Climbers
- 7: Upper Body Equipment
- 8: Upper Body Equipment
- 9: Upper Body Equipment
- 10: Sand Play Area
- 11: Backhoe Digger
- 12: Play Panels

**Inventory item****Amount    Comments**

13: Other

14: Other

15: Other

**Site Amenities**

1: Benches

2: Tables

3: Fountains

4: Bike Rack

5: Wheelchair Parking

6: Signs

7: Trash Receptacles

8: Fencing

9: Other

# Status of All Safety Standards

Public Playground Audit		Compliant / Non-compliant	Comments
<b>1. General Environment Concerns</b>			
1.1	The playground can be accessed safely by a sidewalk that is free of standing water, sand, pea gravel and low hanging branches.		
1.2	If needed, a suitable barrier (fence) is provided for border concerns within 100' of playground edge. See question 3 for list of possible border concerns (CPSC 6.1).		
1.3	Seating (benches, outdoor tables) is in good condition (free of splinters, missing hardware or slats, protruding bolts, etc.).		
1.4	Signs give information about: Regulations on the use of the playground (hours, pets, specific rules, etc.), name and phone number of playground owner (to report problems), age appropriateness of equipment. (CPSC 6.3)		
1.5	Signs on all bordering roads advise motorists that a playground is nearby.		
1.6	Trash receptacles are provided and located outside of the play area.		
1.7	Poisonous plants are removed from play area.		
1.8	Shaded area is provided.		
1.9	The play area is visible to deter inappropriate behavior (CPSC 6.2).		
1.10	The play area is free from lead in paint (maximum 0.06% lead by dry weight) (CPSC 8.1).		
1.11	The play area is free from toxic materials and preservatives (CPSC 8.1).		
<b>2. Age/Size Appropriateness Design</b>			
2.1	Net, chain, arch or tire climbers are not the sole means to access play equipment for 2-5 year old users (ASTM 7.2.2.1).		
2.2	Play equipment not recommended for 2-5 year old users: chain or cable walks, free standing arch climbers, free standing climbing events with flexible components, fulcrum seesaws, log rolls, long spiral slides, overhead rings, parallel bars, swinging gates, track rides and vertical sliding poles (CPSC 6.3).		
2.3	The play area has signs that inform users of intended user age group (CPSC 6.3).		
<b>3. Playground Protective Surface</b>			
3.1	All elevated play equipment (slides, swings, bridges, seesaws, climbing apparatus, etc.) has proper depth of impact-absorbing material underneath the structure. Refer to CPSC and ASTM F1487-95 and ASTM 1292 for specifications on conforming protective surface type, critical fall heights and how far surfacing should extend from structure (CPSC Section 4).		
3.2	Surfaces are inspected at least weekly and ranked to prevent them from becoming packed down and to remove hidden hazards (e.g. litter, sharp objects, animal feces).		
3.3	Loose materials are replenished as recommended to maintain adequate depth and coverage.		

Public Playground Audit		Compliant / Non-compliant	Comments
3.4	Standing water is not found within any of the use zones (CPSC 6.1)		
3.5	For equipment installed after 1995, manufacturer's sign attached to equipment stating equipment must be installed over impact absorbing surface (ASTM 14.3).		
<b>4. Use Zone</b>			
4.1	There is a minimum use zone of 6' in all directions for all equipment. Use zones for adjacent pieces of play equipment may overlap if the adjacent designated play surfaces are less than 30" above the protective surface. If either adjacent structure exceeds 30", the minimum distance between the structures should be 9'. Rocking/springing equipment intended for users to stand upon is no less than 7'. Swings, slide exits, and moving equipment other than less than 30" high rocking equipment shall not overlap use zones. (CPSC 5.1.1, ASTM 9.2.1, 9.5.2.1).		
4.2	Swings with enclosed swing seat or bucket, use zone to the front and to the rear shall be a minimum distance of 2W, where W equals the distance from the top of the occupant's sitting surface to the pivot-point on the swing (CPSC 5.1.3, ASTM 9.4.1.2).		
4.3	Belt swing's use zone to the front and to the rear shall be a minimum distance of 2X, where X equals the distance from the top of the protective surface to the pivot point on the swing (CPSC 5.1.3, ASTM 9.4.1.1).		
4.4	The use zone for a rotating swing (tire swing) shall be a minimum of 6' in all directions of the support structure plus a minimum horizontal distance in all directions equal to the distance between the pivot point to the top of seat plus 6'. (CPSC 5.1.3, 5.1.4, ASTM 9.4.2).		
4.5	Barriers between equipment are installed so as not to create a trip hazard and are free of protrusions, splinters, sharp edges, etc. and are outside equipment use zones (CPSC 9.7).		
<b>5. Accessibility</b>			
5.1	The playground has an accessible route with a maximum horizontal slope of 1:20 (greater than 1:20 would be considered a ramp) and a maximum cross-slope of 1:50 (access to and around the playground area is at least 60" wide) (ASTM 10.1.3).		
5.2	Ramps are 36" wide minimum; with a slope between 1:20 and 1:12 maximum horizontal run of 12 feet (ASTM 10.2.2.1, 10.2.2.2).		
5.3	Landings are 60" minimum diameter at bottom and top of each run; landings with play components shall have area 30" x 48" to park wheelchair while not reducing adjacent circulation path to less than 36" (ASTM 10.2.2.4)		
5.4	For ramps, either the barrier extends to within 1 inch of the ramp surface or a curb stop exists that projects a minimum of 2" above the ramp. (ASTM 10.2.2.8).		
5.5	For ramps higher than 30" (designed for 2-5 yr. olds) or higher than 48" (designed for 5-12 yr. olds) barriers are provided (ASTM 7.4.4, 10.2.2.5).		



Public Playground Audit	Compliant / Non-compliant	Comments
5.6 For ramps > 30" H (Designed for 2-5 yr. olds) or > 48" (designed for 5-12 yr. olds) handrails are provided on each side of ramp at a height between 26-28". For ramps less than or equal to 30" H and 48" H (for 2-5 yr. olds and 5-12 yr. olds respectively) two handrails are provided on each side that are between 12-16" H and 26-28" H (ASTM 7.4.3, 10.2.2.6, 10.2.2.7)		
5.7 Transfer point height is between 14-18" with a clear width of minimum 24" and a depth of no less than 14". Transfer poing steps are a maximum of 8" high with handholds. (ASTM 10.2.3.1-10.2.3.3, 10.3.1).		
5.8 Transfer points have: wheelchair turning space at base of transfer point; a clear space area of 60" minimum. T-Shaped area in accordance with ASTM Fig. A1-39a (ASTM 10.2.4.1).		
5.9 The playground use zone has an accessible safety surface (ASTM 10.1.2).		
5.10 Accessible restroom facilities, accessible seating, accessible drinking fountain and shade are located in or near the play area.		
5.11 Wheelchair accessible platforms: single wheelchair passage 36"; two wheelchair passage 60"; single wheelchair and 1 able bodied user 44"; openings between deck are not greater than 0.50" (ASTM 10.2.5.1-10.2.5.4).		
5.12 Accessible play opportunities designed with different access and egress points, such as slides, allow the user to return unassisted to access the original transfer point (ASTM 10.3.2.1).		
5.13 Vertical leg clearance is not less than 24" for equipment that requires a wheelchair user to pull partially under, such as sand tables, with a top playing surface of no greater than 30" (ASTM 10.3.2.2).		
5.14 Wheelchair accessible upper body equipment, such as horizontal ladders and rings, are less than or equal to 54" high (ASTM 10.3.2.3).		
5.15 Wheelchair accessible manipulative equipment, such as interactive panels, are between 9"-48"H for side reach and 20"-36"H for front reach from the accessible surface. (ASTM 10.3.2.4, 10.3.2.5).		
<b>6. Slides</b>		
6.1 Slides are accessed by stairs, step ladders, or platforms which are evenly spaced, less than 12" apart, and pass the entrapment test. Refer to ASTM F 1487 Table 2 (CPSC 12.4.2)		
6.2 There is a flat sufrace the width of the slide bed at the top of the slide to help position the child for sliding (min. 22" deep going back from the slide bedway and min. 12" wide for 2-5 year old users and a min. 16" for 5-12 year old users. ) (CPSC 12.4.3, ASTM 8.5.2.2, 8.5.2.3, 8.5.4.3).		
6.3 There are sufficient safety barriers at the top of the slide to prevent falls, with hand holds to assist standing to sitting transition and a means to channel the user to the sitting position before slide entry (CPSC 12.4.3, ASTM 7.4, 8.5.3).		
6.4 Sides of bedways are at least 4" high (CPSC 12.4.4, ASTM 8.5.4.4).		

Public Playground Audit		Compliant / Non-compliant	Comments
6.5	No portion of the angle of the sliding surface exceeds 50 degrees with the average angle of 30 degrees or less. (CPSC 12.4.4, ASTM 8.5.4.2).		
6.6	A flat sliding surface (run out zone) at the bottom of the slide is a min. of 11" long at transition point and angle is less than 5 degrees from the horizontal plane. (CPSC 12.4.5, ASTM 8.5.5.1, 8.5.5.2)		
6.7	For slides greater than 4' high, designed for 5-12 year olds, the slide exit height is between 7" and 15" above the protective surfacing material. (CPSC 12.4.5, ASTM 8.5.5.3).		
6.8	For slides 4' high or less and designed for 2-5 yr. olds, the slide exit height does not exceed 11" above the protective surfacing material (CPSC 12.4.5, ASTM 8.5.5.3)		
6.9	Tube slides have a minimum diameter equal to or greater than 23". (CPSC 12.4.8, ASTM 8.5.4.7)		
6.10	Only short spiral slides, with one turn or less, are recommended for 2-5 year old users. (CPSC 12.4.7)		
6.11	A clear area, height of 60" along slide chute and width of 21" from inside edge of side rail including the transition platform. No obstacles or protrusions project more than 1/8" perpendicular to the plane of the initial surface. Underside of slide bedway is exempt (ASTM 8.5.6.1, figures A1.16 and A1.22)		
6.12	On roller slides, no opening allows a 3/16" rod to enter (ASTM 8.9.2.1).		
6.13	If the slide is made in several pieces, the sliding surface has no gaps or rough edges at the top of the slide or at section seams which could entangle clothing or trap foreign material. (CPSC 12.4.3, 12.4.4).		
6.14	The sliding surface faces away from sun or is located in the shade and isn't made of wood or fiberglass (CPSC 12.4.4)		
6.15	Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the ends of the tubes). There are no pinch, crush or shear points		
6.16	Protrusions (CPSC 9.2, ASTM 6.2) No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		
6.17	Entanglement / Entrapment Angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
6.18	Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		

<b>Public Playground Audit</b>		Compliant / Non-compliant	Comments
6.19	Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).		
<b>7. Climbing Equipment</b>			
7.1	Handholds stay in place when grasped (CPSC 10.4).		
7.2	Climbing bars and handrails are between 0.95"-1.55" in diameter (CPSC 10.2.1, ASTM 8.2.1).		
7.3	Flexible access equipment anchoring devices are below level of playing surface (CPSC 12.1.3, ASTM 7.2.2.2).		
7.4	Flexible climbing devices used as access for use by 2-5 yr. olds, readily allows users to bring feet to the same level before ascending to the next level. (ASTM 7.2.2.4).		
7.5	Climbers don't have climbing bars or other structural components in the interior of the structure onto which a child may fall from a height of greater than 18" (CPSC 12.1.2).		
7.6	Accesses which don't have side handrails, such as rung ladders, arch or flexible climbers, are to have alternate hand-gripping support at transition (CPSC 10.4, ASTM 7.3.2).		
7.7	Rung ladders, arch and flexible climbers used as access, are not above the designated play surface it serves (no trip hazard) (ASTM 7.3.3).		
7.8	Balance beam maximum height from the playing surface is 12" for 2-5 yr. old users and 16" for 5-12 yr. old users (CPSC 12.1.8, ASTM 8.1.1).		
7.9	No obstacles or protrusions project upwards from a horizontal plane extending more than a 1/8" perpendicular to the plane of the initial surface. See ASTM F1487 fig A1.13 (CPSC 9.3, ASTM 6.3.2.1).		
7.10	All components of crawl through tunnels are secure and firmly fixed. The tunnel has two safe, clear exits and is designed to drain freely.		
7.11	Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the end of the tubes). There are no pinch, crush or shear points.		
7.12	Protrusions (CPSC 9.2, ASTM 6.2): No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		

Public Playground Audit	Compliant / Non-compliant	Comments
7.13 Entanglements/Entrapment angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
7.14 Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		
7.15 Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).		
<b>8. Upper Body Climbing Equipment</b>		
8.1 Upper body climbing equipment, other than turning bars, not recommended for 2-5 yr. old users (CPSC 6.3, ASTM 8.3.1).		
8.2 Upper body climbing equipment maximum height is 84" for 5-12 yr. old users (CPSC 12.1.5, ASTM 8.3.4).		
8.3 Maximum distance between rungs for upper body equipment is 15" and opening pass the entrapment test (CPSC 9.6, 12.1.5, ASTM 8.3.2).		
8.4 Overhead swinging rings pass the entrapment test and chain is maximum length of 12" (CPSC 9.6, 12.1.5).		
8.5 Climbing ropes are secured at both ends and are not capable of being looped back on itself creating a loop with an inside perimeter of greater than 5" (CPSC 12.1.7, ASTM 6.5.1)		
8.6 Horizontal take-off distance from landing structure to first handhold of upper body equipment is no greater than 10"; if access and egress is by rungs, horizontal distance to first rung is at least 8", but no greater than 10" (ASTM 8.3.3).		
8.7 Maximum height of take-off/landing for upper body equipment is 36" for 5-12 yr. old users (ASTM 8.3.5).		
8.8 There are no single non-rigid components (cable, rope, wire, or similar component) suspended between play units or from the ground to the play unit within 45 degrees of horizontal, unless it is above 7 ft. from the playground surface and is a minimum of 1" at its widest cross-section dimension. It is recommended that the suspended components be brightly colored or contrast with surrounding equipment (CPSC 9.8, ASTM 6.5).		
8.9 Sliding pole clearance from structures is between 18" and 20" (CPSC 12.1.6, ASTM 8.4.1).		

Public Playground Audit		Compliant / Non-compliant	Comments
8.10	Sliding pole is a minimum of 38" above the access structure, 60" min., recommended (CPSC 12.1.6, ASTM 8.4.3).		
8.11	Sliding pole is a maximum of 1.9" in diameter and continuous with no protruding welds or joints within sliding area (CPSC 12.1.6, ASTM 8.4.4, 8.4.5).		
8.12	Track rides not recommended for 2-5 yr. old users (CPSC 6.3, ASTM 8.13.5).		
8.13	Track rides; the lowest portion of the hand gripping component is a minimum 64" above protective surface with maximum height of 78" (ASTM 8.13.1).		
8.14	Underside of track beam is a minimum of 78" above the protective surfacing (ASTM 8.13.2)		
8.15	Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the end of the tubes). There are no pinch, crush or shear points.		
8.16	Protrusions (CPSC 9.2, ASTM 6.2): No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		
8.17	Entanglements/Entrapment angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
8.18	Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		
8.19	Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).		
<b>9. Stairways and Ladders</b>			
9.1	Continuous handrails on both sides for stairways > 1 tread; on those with only 1 tread, an alternate means of hand support or handrail present. Handrail height is between 22" and 38" (CPSC 10.3.1, ASTM 7.1.4).		
9.2	Children have an easy, safe way to descend equipment when they reach the top. (via platform, stairway, or step ladder) (CPSC 12.1.2).		
9.3	Steps and rungs do not allow for accumulation of water and debris (CPSC 10.2, ASTM 7.1.2).		

<b>Public Playground Audit</b>		Compliant / Non-compliant	Comments
9.4	Net, chain, arch or tire climbers not the sole means to access equipment for play areas for 2-5 yr. old users (CPSC 12.1.3, ASTM 7.2.2.1).		
9.5	Steps and rungs are evenly spaced within a tolerance of +/- 0.25 inches and horizontal within a tolerance of +/-2 degrees. This includes the spacing between the top step or rung and the surface of the platform (ASTM 7.1.1).		
9.6	Openings between steps or rungs and between the top step or rung and underside of a platform pass the testing requirements for head entrapment (CPSC 9.6.1, 10.2, ASTM 6.1).		
9.7	All stairways, step ladders and rung ladders, as it relates to the intended users, conform with access slope; tread, rung, and ramp width; tread depth; rung diameter; and vertical rise specifications as per ASTM F1487 Table 2 (CPSC 10.2).		
9.8	Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the end of the tubes). There are no pinch, crush or shear points.		
9.9	Protrusions (CPSC 9.2, ASTM 6.2): No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		
9.10	Entanglements/Entrapment angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
9.11	Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		
9.12	Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).		
<b>10. Decks and Platforms</b>			
10.1	Unless an alternate means of access is provided, the maximum difference in height between stepped platforms for 2-5 yr. olds is 12" and for 5-12 yr. olds is 18". (CPSC 11.7, ASTM 7.4.5.1).		
10.2	There is a 29" high (min.) protective perimeter barrier around 2-5 yr. old user's equipment that is more than 30" above the underlying surface (CPSC 11.5, ASTM 7.4.4.1, 7.4.4.3).		

<b>Public Playground Audit</b>		Compliant / Non-compliant	Comments
10.3	There is a 38" high (min.) protective perimeter barrier on all elevated surfaces 48" above the underlying surface for 5-12 yr. old user's equipment (CPSC 11.5, ASTM 7.4.4.1, 7.4.4.3).		
10.4	The space between slats of protective barriers and guardrails is not between 3-1/2" and 9" and passes the entrapment test. (CPSC 9.6, ASTM 6.1).		
10.5	Guardrails or protective barriers are present on all elevated surfaces 30" above the underlying surface for 5-12 yr. old user's equipment (38" top edge, 24" high lower edge) (CPSC 11.4, ASTM 7.4.3.1-7.4.3.4).		
10.6	No partially bounded openings are projecting upwards from the horizontal plane that are greater than 1 7/8" or less than 9" and fail the test method for partially bounded openings. See ASTM F 1487 Figures A1.6a-A1.10 (CPSC Fig 8, ASTM 6.1.4).		
10.7	Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the end of the tubes). There are no pinch, crush or shear points.		
10.8	Protrusions (CPSC 9.2, ASTM 6.2): No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		
10.9	Entanglements/Entrapment angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
	Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		
	Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).		
<b>11. Swings</b>			
11.1	All swings, to and fro and rotating swings are not attached to main structure (CPSC 12.6.2, ASTM 8.6.1.1).		
11.2	All flying animal figure swings, multiple occupancy swings (except tire swings), rope swings, and trapeze bars are removed from public playgrounds (CPSC 12.6.4, ASTM 8.7.1).		
11.3	Lightweight enclosed swing seats, are used and all openings meet entrapment criteria (CPSC 12.6.3).		

Public Playground Audit	Compliant / Non-compliant	Comments
11.4 All swing seats are made of canvas, rubber, or other lightweight material (CPSC 12.6.2, ASTM 8.6.1.3).		
11.5 There are no open "S" hooks (openings greater than or equal to 0.04") CPSC 12.6.1).		
11.6 When stationary, all seats of same type are level.		
11.7 There are no more than two swings, evenly spaced, in any individual swing bay (CPSC 12.6.2, ASTM 8.6.1.3). Swing seat shall be of the same type in each bay. (CPSC 12.6.3).		
11.8 Swings are at least 24" away from each other and 30" away from the frame. See ASTM Figs. A1.23, A1.24 (CPSC Fig. 22, ASTM 8.6.1.5)		
11.9 Vertical distance is at least 12" between underside of occupied seat and protective surface. (CPSC 12.6.2, ASTM 8.6.1.5).		
Swing hangers are spaced wider than seats, not less than 20" (CPSC 12.6.2, ASTM 8.6.1.5).		
For tire swings, there is at least a 30" safety zone from the crossbeam support structure and the farthest extensions of the swing, and each must have a minimum clearance of 12" from the bottom of the tire to the protective surface (CPSC 12.6.4, ASTM 8.6.1.5).		
Swing tires have adequate drainage. (CPSC 12.6.4)		
Tire swings are not made of steel belted radial tires. (CPSC 12.6.2, ASTM 8.6.2.3).		
To and fro swings and tire swings are located away from circulation paths (a distance at least equal to the equipment use zone and an additional safety factor for circulation, with this area free of any obstructions) and near the periphery of the playground (CPSC 6.2, ASTM 8.6.1.1, 8.6.2.1).		
Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the end of the tubes). There are no pinch, crush or shear points.		
Protrusions (CPSC 9.2, ASTM 6.2): No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		
Entanglements/Entrapment angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		



Public Playground Audit	Compliant / Non-compliant	Comments
<p>Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).</p>		
<b>12. Rotating and Rocking Equipment</b>		
12.1 The seesaws seating surface does not reach more than 5' above the underlying surface. (ASTM 8.10.6).		
12.2 The seesaw fulcrum is fixed, enclosed or designed to prevent pinching. (CPSC 12.3, ASTM 8.10.3).		
12.3 Seesaw handgrips intended to be gripped by one hand have a minimum length of 3" and 2-hands a minimum length of 6" and pass the protrusion test (CPSC 12.3, ASTM 8.10.4.1).		
12.4 A rubber segment is buried in the surfacing under the seesaw seats unless seesaw uses a spring centering device (CPSC 12.3, ASTM 8.10.2).		
12.5 Log rolls (not recommended for 2-5 yr. old users) have a maximum ht. of 18" above the protective surface for 5-12 yr. old users. (ASTM 8.12.2, 8.12.3).		
12.6 Spring rocking equipment seat height is between 14" and 28" (ASTM 8.11.5).		
12.7 There are no equipment parts that could cause a pinching or crushing injury on spring rocking equipment. Exemption is the attachment area of heavy duty coil springs to the body and base of spring rocking equipment. (CPSC 12.5, ASTM 6.4.1.3 [2], 8.11.4).		
12.8 Handholds stay in place when grasped and pass the protrusion test (CPSC 12.5, ASTM 8.11.2).		
12.9 Footrests stay in place and pass the protrusion test. (CPSC 12.5, ASTM 8.11.3).		
Merry-go-rounds are approximately circular, and the distance between the minimum and maximum radii of a noncircular platform does not exceed 2". See Fig A1.25 in ASTM F1487 (CPSC 12.2, ASTM 8.8.1.1, 8.8.1.2).		
Components of the merry-go-round do not extend beyond the platform perimeter. (CPSC 12.2, ASTM 8.8.1.2).		
There are no openings in the surface of the platform that permit the penetration of 5/16" rod through the surface of the merry-go-round (CPAC 12.2, ASTM 8.8.1.4).		
There are no accessible shearing or crushing mechanisms in the undercarriage of the equipment, and the platform does not provide an oscillatory (up and down) motion. (CPSC 12.2, ASTM 8.8.1.5).		

Public Playground Audit	Compliant / Non-compliant	Comments
The peripheral speed of the platform does not exceed 13 feet per second (CPSC 12.2, ASTM 8.8.1.6).		
There is a minimum of 9" between the protective surface and the underside of a merry-go-round platform with a max. height of 14" for the platform surface (CPSC 12.2, ASTM 8.8.1.2, 8.8.1.4).		
Pinch, Crush and Shear Points (CPSC 9.5, ASTM 6.4): Equipment is free of sharp edges. There are no open holes in the equipment forming traps (e.g. at the end of the tubes). There are no pinch, crush or shear points.		
Protrusions (CPSC 9.2, ASTM 6.2): No components fail protrusion test. Nuts, bolts and screws are recessed, covered or sanded smooth and level.		
Entanglements/Entrapment angles (CPSC 9.4, 9.6, ASTM 6.3): No more than two threads of the fastener protrude through any nut. No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. There are no open "V" entrapment angles on any part of the equipment. See Figs. A1.3-4 in ASTM F 1487.		
Head Entrapments (CPSC 9.6, ASTM 6.1): No components fail the entrapment test. There are no partially bounded openings. See Figs. A1.6a-A1.10 in ASTM F 1487		
Hardware: Nuts and bolts are tight and not able to be loosened without tools. Upon close inspection, they show no loose play or excessive wear (CPSC 8.2). Equipment is free of rust and chipping paint (CPSC 8.1). Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1). Ropes, chains and cables have not frayed or worn out (CPSC 7.2) Equipment has not shifted or become bent (CPSC 8.1). There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1). No components are missing. All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1). Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1). Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7). Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2). Equipment use zone is free of litter and debris. (CPSC 7.2).		

## Notes

# Disclaimer

## Playground Audit Disclaimer

The Total Playground Management standard audit form is based on ASTM and CPSC standards. Audits are typically completed only once unless equipment is added or removed, or an accident occurs.

The Audit provides recommendations for the designated playground based on current ASTM and CPSC standards. It is acknowledged that the audit performed only represents the condition of the playground as of the date and time of the audit and is not a continuing evaluation of any conditions on such playground.

The Inspector or Third Party Contractor has only been requested to audit the playground specified as indicated on the attached form, and no other playground has been audited.

Total Playground Management, Inc. is not responsible for the performance of the Auditor / Inspector. Forms are provided as a guideline and are not intended to replace the current published ASTM, CPSC or Manufacturers standards.

Customer agrees to indemnify and hold harmless Auditor / Inspector for any damages, claims, suits or actions brought against Customer and/or Auditor / Inspector attributable to the use by any party of any playground operated by Customer, unless due solely to the negligence of Auditor / Inspector in its audit.

It is acknowledged by the customer that Total Playground Management, Inc. is providing the form and the storage system for the records regarding the playground and is not responsible for the accuracy or performance of any persons performing audits or inspections. It is acknowledged by customer that auditor / inspector is only performing an audit and is not performing any repairs or maintenance on any playground which is the sole responsibility of the customer.

This Agreement shall be constructed pursuant to the laws of the state of Colorado and jurisdiction for any suit or legal action shall lie solely in Douglas County, Colorado. All attachments to this Agreement and any documents provided herewith shall form part of this Agreement. All modifications to this Agreement shall be effective only if in writing signed by both parties.