District: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Play Site Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Age of Intended User: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equipment Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equipment Installer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Inspection: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspector(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **C** | **NC** | **N/A** | **SURFACING MATERIAL** | **Comments** |
|  |  |  | Surfacing material is free of debris, weeds, and standing water. *CPSC 2.4.2* |  |
|  |  |  | Area is free of trip hazards  |  |
|  |  |  | All anchoring posts and devices are below material |  |
|  |  |  | **Loose-fill surfacing material**: |  |
|  |  |  | Fall material is a minimum of 9 inches deep*CPSC 2.4.2.2* |  |
|  |  |  | Fall material is evenly distributed (i.e. it is not piling up under platforms, etc.) *CPSC 2.4.2.2* |  |
|  |  |  | Fall material is loose and ample *CPSC 2.4.2.2* |  |
|  |  |  | **Unitary surfacing material**: |  |
|  |  |  | Surfacing material is in good condition  |  |

Type of fall material: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ASTM F1292-99/04, F1951-99 and F2075 (if engineered wood fiber) certifications/test results on file: \_\_\_\_\_\_\_\_\_\_\_\_

Playground documentation file created (instructions, warranty/liability info, EWF installation instructions: \_\_\_\_\_\_\_\_

Additional comments regarding fall material: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **C** | **NC** | **N/A** | **USE ZONES** | **Comments** |
|  |  |  | Use zone around **stationary equipment** is 72” *ASTM 9.2.1** Adjacent play structures - 30” or less can be 6’; more than 30” must be 9’ *ASTM 9.2.3*
 |  |
|  |  |  | Use zone in front of **slides** is minimum 6’ – maximum 8’*ASTM 9.6.2.1** Slides greater than 6 feet, use zone in front should be as long as the slide is tall up to a max of 8 feet. *CPSC 5.3.6.5*
* Use zone shall never overlap another use zone.

*CPSC 5.3.6.5* |  |
|  |  |  | Use zone for **rotating play equipment** is 72” *ASTM 9.3.1** Use zone may not overlap any other equipment

 *ASTM 9.3.2* |  |
|  |  |  | Use zone for **swings** is twice the height of surface material to the pivot point *ASTM 9.4.1.1** Front-to-rear use zone cannot overlap any other equipment. *CPSC 5.3.8.3.1*
* Use zone 6 feet from support posts

*CPSC 5.3.8.3.3** Use zone of support structure for adjacent swings may overlap *ASTM 9.4.1.5 (1)*
 |  |
|  |  |  | Use zone for **bucket seat swings** is twice the height from seat to the pivot bar *ASTM 9.4.1.2, CPSC 5.3.8.3.3** Use zone 6 feet from support posts

*CPSC 5.3.8.3.3* |  |
|  |  |  | Use zone for **multi-axis** **swings** is the height of the swing seat to the pivot point plus 72” *ASTM 9.4.1.2** Use zone 6 feet from support posts

*CPSC 5.3.8.4** Use zone cannot overlap any other equipment *CPSC 5.3.8.4*
* Use zone of support structure for adjacent swings may overlap *ASTM 9.4.2.5, CPSC 5.3.8.4.1*
 |  |
|  |  |  | Use zone for **rocking/springing play equipment*** 72” if user is intended to sit *ASTM 9.5.1.1*
* May overlap when each structure consists of a seat with height of 30” or less *ASTM 9.5.1.2*
 |  |
|  |  |  | Use zone for **rocking/springing play equipment*** 84” if user is intended to stand *ASTM 9.5.2.1*
* Use zone may not overlap any other equipment *ASTM 9.5.2.2*
 |  |
|  |  |  | Use zone for a **track ride** shall extend no less than 72” in all directions *ASTM 9.9.1* |  |
|  |  |  | **Overhead obstructions** within the use zones are 84” above designated playing surfaces and pivot of swings. *ASTM 8.14.1 (roofs) and ASTM 9.8.4.1 (Also Roof 8.14.2 – if less than 84”, does not contain designated play 2”x2”flat surface)* |   |

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| **C** | **NC** | **N/A** | **ACCESSIBILITY** | **Comments** |
|  |  |  | Accessible route outside and access point into play area * 60” minimum clear width w/ designated entrance *2016 CBC 11B-1008.2.4.1*
* 44” minimum clear width if play area less than 1000 sq. feet.
* Exterior walkway may be narrowed to 36” for a distance of 60” (i.e. tree narrows path)
* 80” vertical clearance along ground level accessible route *2016 CBC 11B-1008.2*
* No change in level greater than ¼” vertical or ½” beveled along path of travel at ramp and entrance to the play area. *2016 CBC 11B-1008.2 and 11B-303*

* Maximum entrance ramp slope is no more than 5.0% (1:20) into the play area w/o handrails. *2016 CBC 11B-403.3* With handrails 6.25% (1:16) *2016 CBC 11B-1008.2.5*
 |  |
|  |  |  | Accessible route/clear ground space inside play box* 60” minimum clear width to transfer platform and each ground level play component *2016 CBC 11B-1008.2.4.1*
* Minimum 30” wide x 48” long clear ground space positioned for forward or parallel approach to the ground level play component *2016 CBC 11B-1008.4.2*
* Accessible elevated play component route – minimum 36” wide, can be reduced to minimum 32” for a distance of 24” *2016 CBC 11B-1008.2.4.2*
* Minimum 24” allowable at transfer steps
 |  |
|  |  |  | Transfer platform* 11” to 18” above the protective surfacing
* Minimum 14” deep x 24” wide *2016 CBC 11B-1008.3.1.2*
* Transfer support provided *2016 CBC 11B-1008.3.1.4*
* Minimum 48” x 48” transfer space area adjacent to and centered on the platform *2016 CBC 11B-1008.3.1.3*
* May be primary access if play area has less than 20 elevated play components *2016 CBC 11B-1008.2.1*
 |  |
|  |  |  | Transfer steps:* 24” wide minimum *2016 CBC 11B-1008.3.2.1*
* 14” deep minimum
* 8” high maximum *2016 CBC 11B-1008.3.2.2*
* Contrast striping on upper approach and each stair tread - full width 2-4” wide stripe, within 1” maximum from front edge. Paint is acceptable *2016 CBC 11B-1008.3.2.4 and 11B-504.4.1*
 |  |
|  |  |  | Entry point/seats on play equipment (i.e. swings, play bench, any element requiring transfer to a seat)* 11” to 24” to top of seat above protective surfacing *2016 CBC 11B-1008.4.4*
* Swings only - Minimum 60” circle or T-shaped turning space located immediately adjacent to swing *2016 CBC 11B-1008.4.1*
 |  |
|  |  |  | Play tables: (tables for 2-5 may be parallel approach)* 24” high minimum knee clearance *2016 CBC 11B-1008.4.3*
* 31” maximum height of table
* 30” wide minimum
* 17” deep minimum
 |  |
|  |  |  | Required # of accessible play components: |  |
|  |  |  | * Ground level (*see Table A for appropriate number. See Table B for recommended reach range to highest operable part of play element.*) *2016 CBC 11B-240.2.1*
 |  |
|  |  |  | * Elevated – at least 50% of the total elevated play components must be on an accessible route from the transfer platform *2016 CBC 11B-1008.2.2*
 |  |

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| **TABLE A: Required Number of Play Components** |
| **Number of elevated play components provided** | **Minimum number of ground-level play components required to be on accessible route** | **Minimum number of different types of ground-level play components required to be on 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 |

|  |
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| **TABLE B: Recommended Reach Ranges** |
| **Forward or Side Reach** | **Ages 3 and 4** | **Ages 5 through 8** | **Ages 9 through 12** | **Compliance Requirement** |
| *High (maximum)* | 36 inches | 40 inches | 44 inches | 48 inches |
| *Low (minimum)* | 20 inches | 18 inches | 16 inches | 15 inches |

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|  |  |  | **If playground has 20 or more elevated play components:** |  |
|  |  |  | Elevated accessible routes:* Ramp to elevated play components required
* Minimum 36” wide ramp width
* Ramp - handrail height between 20” and 28”
* Maximum 12” ramp rise
 |  |
|  |  |  | Landings* Minimally as wide as the ramp at bottom and top landing
* Top landing - minimum length 60” to allow for direction change
* Minimum 60” turning space
 |  |

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| **C** | **NC** | **N/A** | **STAIRWAYS, LADDERS AND HANDRAILS** | **Comments** |
|  |  |  | Rung ladders, climbing nets, arch climbers, tire climbers are not used as the sole access on equipment intended for pre-school age children *ASTM 7.3.2.1** Flexible access components for 2-5 years allows user to bring both feet to same level before ascending to next level *ASTM 7.3.2.4*
 |  |
|  |  |  | Flexible components used for access are securely connected at both ends *ASTM 7.3.2.2** Anchoring device must be beneath the ground surface material *ASTM 7.3.2.2, CPSC 5.3.2.3*
 |  |
|  |  |  | Climbers used for access have hand support for use while climbing *ASTM 7.3.2.5, CPSC 5.2.4* |  |
|  |  |  | Rungs and handrails have a diameter between .95 and 1.55 *ASTM 7.2.6.4** Handgrips are secured to prevent turning

*CPSC 5.2.2** Between .60” and 1.20” for toddlers *CPSC 5.2.2*
 |  |
|  |  |  | The stepping surface used for final access (for rung ladders, flexible components, arch climbers, etc.) is not above the designated play surface it serves. *ASTM 7.4.3* |  |
|  |  |  | **Handrail height**: Vertical distance between the edge of the step and the top surface of the handrail is *(CPSC 5.2.3.1):** Between 15” and 20” for toddlers
* Between 22” and 26” for preschool age
* Between 22” and 38” for school age
* Begins with the first step

*Vertical infill for protective barriers may be preferable for younger children because the vertical components can be grasped at whatever height a child chooses as a handhold* |  |
|  |  |  | All steps greater than 48 inches above the protective surfacing have a protective barrier instead of a handrail. *ASTM 7.5.6.1 (1)* |  |
|  |  |  | **PLATFORMS** |  |
|  |  |  | Maximum difference in height between stepped platforms are *(ASTM 7.5.7.1)** 7” for toddlers
* 12” for preschool age children
* 18” for school age children
* If difference is more than noted, an access component is needed *CPSC 5.1.2*
 |  |
|  |  |  | Openings between platforms are not a head entrapment hazard *CPSC 5.2.1* |  |
|  |  |  | If the space between platforms exceeds 9” and the height of the lower platform exceeds 30” for preschool or 48” for school age, in-fill is used to reduce the space to less than 3.5” *CPSC 5.1.2* |  |
|  |  |  | Platforms intended for toddlers are no more than 32” above the protective surfacing *CPSC 5.1.1* |  |

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| **C** | **NC** | **N/A** | **GUARDRAILS AND PROTECTIVE BARRIERS** | **Comments** |
|  |  |  | Openings between uprights and between barrier and platform surface are not a head entrapment hazard *CPSC 5.2.4* |  |
|  |  |  | Guardrails and barriers (*CPSC 5.1.3)*:* Designed to prevent falls off the platform
* Discourage climbing on the barrier
* Aid supervision
 |  |
|  |  |  | Guardrails/barriers completely surround elevated platform except for entrance and exit opening (*ASTM 7.5.5.2 (2) , ASTM 7.5.6.3 (3), CPSC 5.1.3)** 15” maximum to access play event
* If more than 15”, must have one top rail of a guardrail
* Stairs, ramps and upper body equipment are exempt from this requirement
 |  |
|  |  |  | Solid panels used as infill have transparent areas to facilitate supervision and permit viewing from platform. *CPSC 5.1.3* |  |
|  |  |  | **Guardrails** are provided for **preschool** **age** *(ASTM 7.5.5.1, 7.5.5.3, 7.5.5.4)*:* Elevated surface more than 20” but not over 30” above protective surface
* Minimum height of top rail is 29”
* Maximum height of lower rail is 23”
 |  |
|  |  |  | **Guardrails** are provided for **school** **age** *(ASTM 7.5.5.1, 7.5.5.3, 7.5.5.4)*:* Elevated surface more than 30” but not over 48” above protective surface
* Minimum height of top rail is 38”
* Maximum height of lower rail is 28”
 |  |
|  |  |  | **Barriers** are provided for **toddlers** *(CPSC 5.1.3)*:* Elevated surface more than 18” above protective surface
* Minimum height of barrier is 24”
* Guardrails are not recommended
 |  |
|  |  |  | **Barriers** are provided for **preschool** **age** *(ASTM 7.5.6.1, ASTM 7.5.6.4)*:* Elevated surface more than 30” above protective surface
* Minimum height of barrier is 29”
 |  |
|  |  |  | **Barriers** are provided for **school age** *(ASTM 7.5.6.1, ASTM 7.5.6.4)*:* Elevated surface more than 48” above protective surface
* Minimum height of barrier is 38”
 |  |

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| **C** | **NC** | **N/A** | **DURABILITY & FINISH** | **Comments** |
|  |  |  | Metal surfaces painted or treated to prevent rust *(CPSC 2.5.3)*:* Bare metal slides or platform surfaces are to be avoided unless away from the sun or covered
 |  |
|  |  |  | Painted surfaces are in good shape and not chipped *CSPC 2.5.4* |  |
|  |  |  | Wood structures or play elements are in good condition *ASTM 4.1.3, CSPC 2.5.5** Wood support posts are undamaged below fall material.
 |  |
|  |  |  | Plastic materials and components are in good condition *ASTM 4.1.1* |  |
|  |  |  | **HARDWARE** |  |
|  |  |  | All nuts, bolts, pins, lock washers and other connectors are present and cannot be loosened or removed without the use of a tool *ASTM 4.2.2, CPSC 2.5.2* |  |
|  |  |  | All posts are capped and sealed *CPSC 2.5.2* |  |
|  |  |  | Hardware in moving joints are secure *CPSC 2.5.2* |  |
|  |  |  | All S-hooks are closed so there is no gap or space greater than .04” or wide enough to admit a dime. *CPSC 2.5.2* |  |
|  |  |  | **PROJECTIONS, PROTRUSIONS AND ENTANGLEMENTS** |  |
|  |  |  | Equipment is free of sharp points and corners are rounded. Caps or plugs cover exposed open ends of tubing. Wood parts are smooth and free of splinters. *CPSC 3.4* |  |
|  |  |  | Protrusions and projections do not extend beyond the face of any of the 3 gauges nor increase in the direction away from the surrounding surface nor project beyond the face of the nut more than 2 full threads. *ASTM 6.4.3, ASTM 6.3.2, CPSC 3.2* |  |
|  |  |  | Equipment is free of entanglements. *A projection is not an entanglement hazard unless the following are present* *(ASTM fig A1.15)*:* Projection must fit within a projection gauge.
* Projection must be above the horizontal plane.
* Projection must have perpendicular sides.
* Projection must extend more than 1/8” from initial surface
 |  |
|  |  |  | Recessed bolts are not entanglement or protrusion hazards. *ASTM 6.4.3** If the curved surface of the gauge touches the bolt, it is subject to the protrusion tests.
 |  |
|  |  |  | Projections do not increase in size from their initial surface more than 1/8” in width and depth creating an entanglement hazard. *ASTM 6.4, CPSC 3.2* |  |
|  |  |  | Protrusions on **swing** assemblies *(CPSC 5.3.8.5)*:* Using the swing test gauge, no bolt or component protrudes beyond it (1/8”).
 |  |
|  |  |  |  |  |
| **C** | **NC** | **N/A** | **PROJECTIONS, PROTRUSIONS AND ENTANGLEMENTS (CONT.)** | **Comments** |
|  |  |  | Connecting devices on **swings** *(ASTM 6.4.5.1, CPSC 5.3.8.1)*:* S-hooks, C-hooks, pelican hooks, etc. are closed so there is no gap or space greater than .04”
* No portion of the lower loop of an S-hook projects beyond the vertical boundary of the upper loop
* Upper loop of S-hook may align, partially overlap or completely overlap without extending past the connector body
* S-hook lower loop aligns with connector body and does not overlap.
 |  |
|  |  |  | Protrusions on **slides** :* Not greater than 1/8”
* Slide has a smooth, continuous sliding surface without any gaps or spaces that may create an entanglement hazard *ASTM 6.4.1.2*
 |  |
|  |  |  | No accessible crush or shear points which may be caused by components moving relative to each other or to a fixed component * Roller slides – use 3/16” dowel
* Merry-Go-Rounds – use 5/16” dowel *(test gap between understructure and top surface)*
* Common crush/shear – use 5/8 “ dowel

(Section 5 item #1). *ASTM 6.5, 8.9.2, 8.8.4.1; CPSC 3.1** Bridges – test between stationary platform and first moving board
 |  |
|  |  |  | **LABELS** |  |
|  |  |  | Signs and/or stickers indicate the following:  |  |
|  |  |  | * age appropriateness of the equipment

*ASTM 14.2.1, CPSC 2.2.6* |  |
|  |  |  | * supervision recommendation

*ASTM 14.2.2, CPSC 2.2.7* |  |
|  |  |  | * hazard of play equipment located over hard surfaces *ASTM 14.2.5*
 |  |
|  |  |  | * equipment manufacturer identified *ASTM 15.1*
 |  |
|  |  |  | * hot play surfaces warning *ASTM 14.2.4*
 |  |
|  |  |  | * hazards of drawstrings, accessories and other things worn around the neck *ASTM 14.2.3*
 |  |
|  |  |  | * removal of helmets (i.e. bike helmets)

*ASTM 14.2.3* |  |
|  |  |  | **PARTIALLY BOUND OPENINGS AND ANGLES** |  |
|  |  |  | Partially bound openings do not present an entrapment hazard *ASTM 6.1.4.1** Use the partially bound opening template (“fish probe”)
* Partially bound openings less than 24” above the surface are exempt *ASTM 6.1.4.7 (3)*
 |  |
|  |  |  | Angles formed by adjacent components are greater than 55 degrees *CPSC 3.3.2** Unless lower leg is horizontal or projects downward
 |  |
| **C** | **NC** | **N/A** | **CLIMBING AND UPPER BODY EQUIPMENT** | **Comments** |
|  |  |  | Maximum fall height for free standing and composite climbing structures for toddlers is 32” *CPSC 5.3.2.1.2* |  |
|  |  |  | Climbers do not have bars or other structural components in the interior of the structure onto which a child may fall from a height of more than 18” *CPSC 5.3.2.1.5* |  |
|  |  |  | Equipment allows children to descend as easily as they ascend. *Especially important for preschool equipment. CPSC 5.2.1* |  |
|  |  |  | Layout of equipment does not facilitate climbing to top support bars of upper body equipment nor interfere with movement on adjacent structures. *CPSC 5.3.2.1.1* |  |
|  |  |  | Spacing between components does not present head entrapment hazards *CPSC 5.2.4* |  |
|  |  |  | **Flexible climbing equipment**:* Is not the sole means of access to components intended for use by 2-5 year olds or toddlers *ASTM 7.3.2.1, CPSC 5.3.2.3*
* Anchoring device is beneath surfacing *CPSC 5.3.2.3*
* Perimeter of net opening should be less than 17” or greater than 28” *CPSC 5.3.2.3*
* Head probe cannot be pushed through opening with up to 50 lbs. of force *ASTM 6.1.2*
* Flexible components (i.e. rope, cable or chains) are secured at both ends and not capable of being looped back on itself. *ASTM 7.3.2.2*
* Flexible components suspended between play units are not located in high traffic areas.

(Exception: 84” high, min 1” wide).* Free standing flexible climbers are not recommended for toddlers or preschool age *CPSC 5.3.2.3*
 |  |
|  |  |  | **3D Climbing Nets:*** No clear opening between flexible members with a vertical dimension greater than 72” and a diameter greater than *(ASTM 8.2.5.1)*:
* 18” for nets intended for 2-5 year olds
* 20” for nets intended for 5-12 year olds
 |  |
|  |  |  | **3D Climbing Nets:*** Minimum fall height for structure greater than 72” high is 72” *ASTM 8.2.5.1*
* Exterior fall height – distance from surfacing to highest point at which a rigid vertical device contacts the net structure when moved around the perimeter. *ASTM 8.2.5.1 (1)*
* Interior fall height – distance from surfacing to the highest member with a clear vertical path to the surfacing with a diameter of 18” for 2-5 years old and 20” for 5- 12 years old. *ASTM 8.2.5.1(2)*
 |  |
| **C** | **NC** | **N/A** | **CLIMBING AND UPPER BODY EQUIPMENT** | **Comments** |
|  |  |  | **Arch climber** *(CPSC 5.3.2.2)*:* Is not the sole means of access to components intended for use by 2-5 year olds
* Free standing arch climbers are not allowed on preschool or toddler playgrounds
* Rungs are .95” to 1.55” in diameter *CPSC 5.2.2*
 |  |
|  |  |  | **Horizontal ladders and overhead rings** *(CPSC 5.3.2.4)*:* When access is by rung, the first handhold must be between 8-10 inches from the access rung. *ASTM 8.3.2*
* When access is by platform, the first handhold must be between 0-10 inches from the leading edge of the platform. *ASTM 8.3.2*
* Rungs on ladders intended for 4-5 year olds are parallel and evenly spaced
* Space between adjacent rungs – no more than 12” for preschool and 15” for school age (*does not apply to rings if rings swing)*
* Maximum length of chains for overhead rings is 7 inches. *ASTM 8.3.5, CPSC 5.3.2.5*
* Moveable rings - Maximum 15” from pivot to bottom of handgrip  *ASTM 8.3.5*
 |  |
|  |  |  | **Horizontal ladders and overhead rings:*** Maximum height from center of grasping device to surfacing is 60” for preschool or 84” for school age *ASTM 8.3.3, CPSC 5.3.2.5*
* Maximum height for take-off/landing structure is 18” for preschool and 36” for school age

*ASTM 8.3.4, CPSC 5.3.2.5* |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **C** | **NC** | **N/A** | **EQUIPMENT** | **Comments** |
|  |  |  | **Balance beams** *(ASTM 8.1.1, CPSC 5.3.1)*:* Maximum height 12” for preschool
* Maximum height 16” for school age
* Not recommended for toddlers
 |  |
|  |  |  | **Climbing ropes** *(ASTM 6.6.1, CPSC 3.5)*:* Secure at both ends and not able to make a loop with an inside perimeter greater than 5” (diameter of 1.6 inches)
 |  |
|  |  |  | **Log rolls** *(CPSC 5.3.3)*:* Not Recommended for use by children less than 5 years *ASTM 8.12.2*
* 18” above fall surface material *ASTM 8.12.3*
* Hand gripping components for use; .95” to 1.55” in diameter *ASTM 8.12.3*
 |  |
|  |  |  | **Track Rides** *(CPSC 5.3.2.7)*:* Not Recommended for use by children less than 5 years *ASTM 8.13.1*
* Hand grip is 64” minimum and 78” maximum above the surface material *ASTM 8.13.2*
* Landings (if used) have a minimum 36” length and 32” minimum width *ASTM 8.13.3*
* Center to center distance between adjacent tracks are 48” minimum *ASTM 8.13.6*
 |  |
|  |  |  | **Seesaws**:* Not Recommended for toddlers and preschool unless equipped with a spring centering device *ASTM 8.10.1, CPSC 5.3.5.2*
* Fulcrum is free of pinch and crush points

*ASTM 8.10.2*, *CPSC 5.3.5.1** Shock absorbing material under seats to minimize impact with ground *ASTM 8.10.2*
* Handholds do not protrude beyond sides of seat *ASTM 8.10.4.1, CPSC 5.3.5.3*
* Handgrips are 3” minimum if intended to be gripped by one hand and 6” if intended to be gripped by 2 hands *ASTM 8.10.4.1*
* Maximum 60” height of seat above protective surface *ASTM 8.10.6*
 |  |
|  |  |  | **Sliding poles** *(CPSC 5.3.2.6)*:* Not Recommended on equipment for toddlers and preschool age
* Continuous with no welds or seams *ASTM 8.4.5*
* Horizontal distance between platform edge and pole is between 18” and 20” *ASTM 8.4.1*
* Pole extends at least 60” above the platform *ASTM 8.4.3*
* Pole diameter is 1.9” maximum *ASTM 8.4.4*
* Guardrail or barrier at pole access has an opening of 15” maximum *ASTM 8.4.6*
 |  |
| **C** | **NC** | **N/A** | **EQUIPMENT** | **Comments** |
|  |  |  | **Stepping Forms:*** Minimum designated play surface is 10” in diameter. *ASTM 8.15.1*
* Maximum height to protective surfacing is 20” for preschool or 30” for school age unless hand support is present. *ASTM 8.15.3*
* Hand supports are required if the first stepping form height is greater than 20” for preschool or 30” for school age. The hand support height should be 22”-38”; protective surfacing to top of hand support. *ASTM 8.15.4*
* Stepping forms used by 2-5 year olds or more than 30” above protective surfacing must be stationary. *ASTM 8.15.5*
* Maximum distance between stepping forms are 12” for preschool or 18” for school age. Measurements are done edge to edge. *ASTM 8.15.6*
 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **C** | **NC** | **N/A** | **SLIDES** | **Comments** |
|  |  |  | Depth of transition platform is 14” or greater *(ASTM 8.5.3.2.2, CPSC 5.3.6.2)*:* Width equal to or greater than width of sliding chute *ASTM 8.5.2.3*
* Depth for equipment intended for toddlers is 19”
 |  |
|  |  |  | Guardrail or hood present to channel user into a sitting position *(ASTM 8.5.3.2, CPSC 5.3.6.2)* |  |
|  |  |  | Straight slides with flat open chutes have 4”minimum sides for entire length of sliding surface *(ASTM 8.5.4.4, CPSC 5.3.6.3.4)* |  |
|  |  |  | Slide chute surface shall not exceed a height/length ratio of 0.577 (Height of slide divided by length) with no slide surface span exceeding 50°. *(ASTM 8.5.4)**C:\Users\lchang\Desktop\HgtLengthSlide.jpg* |  |
|  |  |  | Slide chute is continuous without any gaps. *Roller slides are excluded from this requirement. (CPSC 5.3.6.2)* |  |
|  |  |  | 21” of clearance surrounds the slide chute *(ASTM 9.6.3)* |  |
|  |  |  | Metal slides are shaded to prevent burns from direct sun *(ASTM 2.5.3)* |  |
|  |  |  | Exit region of slide is *(CPSC 5.3.6.4)*:* 11” above protective surfacing for slides no more than 4 feet in height *ASTM 8.5.5.3*
* Between 7” and 15” above protective surfacing for slides over 4 feet in height *ASTM 8.5.5.3*
* Toddler slides – no more than 6” above protective surfacing
 |  |
|  |  |  | **Embankment slides** *(CPSC 5.3.6.3.1)*:* Maximum height of 12” above the ground
* Chute entrance minimizes use by skateboards, bikes, etc.
 |  |
|  |  |  | **Roller slides** *(ASTM 8.9.2, 8.9.2.1, CPSC 5.3.6.3.2)*:* Space between adjacent rollers and between ends of rollers and stationary structure are less than 3/16” (smallest dowel)
 |  |
|  |  |  | **Spiral slides** *(CPSC 5.3.6.3.3)*:* One turn (360 degrees) or less for toddlers and preschool
 |  |
|  |  |  | **Tube slides** *(CPSC 5.3.6.3.5)*:* Minimum internal diameter no less than 23”
* Barriers or such should be considered to prevent climbing on top of the outside of the tube.
 |  |
| **C** | **NC** | **N/A** | **SWINGS** | **Comments** |
|  |  |  | Prohibited:* Swings attached to composite structures

*ASTM 8.6.1.2, CPSC 5.3.8.3.1** Animal figure swings *CPSC 2.3.1*
* Rope swings *CPSC 2.3.1*
* Swinging dual exercise rings and trapeze bars *CPSC 2.3.1*
 |  |
|  |  |  | S-hooks are closed with no gap or space great than .04”. *Gap cannot admit a dime*. *ASTM 6.4.5, CPSC 5.3.8.1* |  |
|  |  |  | Swing structure discourages climbing. A-frame supports do not have cross-bars *ASTM 8.6.2, CPSC 5.3.8.1* |  |
|  |  |  | 2 swings per bay maximum *ASTM 8.6.4.4, CPSC 5.3.8.3.1* |  |
|  |  |  | Swing hangers at pivot spaced no less than 20” apart *ASTM 8.6.5.1 (4)* |  |
|  |  |  | \*\*Swing spacing – **toddler (bucket):*** 20” between swing and support structure
* 20” between swings
* No less than 24” underside of occupied swing to surface *ASTM 8.6.5.1 (5)*
* Located in a separate bay from other swings *CPSC 5.3.8.3.2*
* Pivot points are between 47” and 96” above the protective surfacing *CPSC 5.3.8.3.2*
 |  |
|  |  |  | \*\*Swing spacing – **preschool:*** 30” between swing and support structure

*ASTM 8.6.5.1 (3)** 24” between swings *ASTM 8.6.5.1 (2)*
* No less than 12” underside of occupied swing to surface *ASTM 8.6.5.1 (5)*
* ADA accessibility – entry point of seat between 11” and 24” above surfacing material
 |  |
|  |  |  | \*\*Swing spacing – **school age**:* 30” between swing and support structure

*ASTM 8.6.5.1 (3)** 24” between swings *ASTM 8.6.5.1 (2)*
* No less than 12” underside of occupied swing to surface *ASTM 8.6.5.1 (5)*
* ADA accessibility – entry point of seat between 11” and 24” above surfacing material
 |  |
|  |  |  | **Multi-Axis Tire Swing** *(CPSC 5.3.8.4)*:* Minimum clearance between seating surface and upright of support structure is 30” when tire is in a position closest to the support structure. *ASTM 8.6.5.3 (2)*
* No less than 12” underside of occupied swing to surface *ASTM 8.6.5.3 (1)*
 |  |

\*\* Measurements taken at 60” above protective surfacing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **C** | **NC** | **N/A** |  **ROTATING & ROCKING EQUIPMENT** | **Comments** |
|  |  |  | **Merry-Go-Rounds and Whirls**:* Components do not extend beyond the perimeter of the platform *ASTM 8.8.2, CPSC 5.3.4*
* Underside of platform is no less than 9” above the surface *ASTM 8.8.4.2, CPSC 5.3.4*
* No openings between the axis and periphery that permit a 5/16 rod to penetrate

*ASTM 8.8.4.1, CPSC 5.3.4** No accessible shearing or crushing mechanism in the undercarriage *CPSC 5.3.4*
* Maximum height for standing/sitting surface is 14” above surface for preschool and 18” for school age *ASTM 8.8.2, CPSC 5.3.4*
* Hand grips have a diameter of 0.95” to 1.55” *CPSC 5.2.2*
* Not recommended for playgrounds intended for toddlers *CPSC 5.3.4*
 |  |
|  |  |  | **Spring Rockers**:* Springs minimize possibility of pinching hands or feet *ASTM 8.11.4, CPSC 5.3.7*
* Each seating position has handgrips and footrests *ASTM 8.11.2, CPSC 5.3.7*
* Handgrips are 3” minimum if intended to be gripped by one hand and 6” if intended to be gripped by 2 hands *ASTM 8.11.2*
* Seat height is between 12” and 16” for toddlers *CPSC 5.3.7*
* Seat height is between 14” and 28” for preschool *ASTM 8.11.5, CPSC 5.3.7*
* Hand grips have a diameter of 0.60” to 1.20” for toddlers *CPSC 5.2.2*
* Hand grips have a diameter of 0.95” to 1.55” for preschool and school age *CPSC 5.2.2*
* Hand grips are not protrusion hazards. *ASTM 8.11*
 |  |