

APPENDIX B

RECOMMENDED BASELINE INSPECTION QUESTIONS

B-1. General

This appendix contains a list of recommended baseline inspection questions for all elements addressed in this manual. The questions will be used to create a site-adapted baseline inspection checklist for the CDC on DA Form 731 O-R (chap 2). The completed CDC play area checklist, DA Form 731 O-R, will become the site-adapted CDC's customized inspection and maintenance manual. Directions for conducting a baseline play area inspection are provided in chapter 5.

B-2. Elements addressed in the appendix

This appendix contains baseline inspection questions for all elements within the play area. These include: general site elements (table B-1 through B-8); ground cover and plant material (table B-9 through B-13); utilities and drainage (table B-14 through B-17); safety surfacing (table B-18 through B-20); site furnishings (table B-21 through B-24); maintenance practices (table B-25); composite structure play equipment (table B-26 through B-42); play activity areas (table B-43 through B-55); and toys and loose parts (table B-56 and B-57).

Table B-1: Boulder -Recommended baseline inspection questions.

1. BOULDER - Baseline Inspection

Recommended Inspection Questions:

1. Is the boulder located outside of play equipment use zones (at least 2400 mm (96 inches) from play equipment)?
2. Is the boulder firmly set in the soil to at least 1/3 of its depth so that it will not rock or rotate in any direction?
3. Is the boulder surface free of loose or slippery material, such as crumbling rock, sand, wood chips, moss, or algae?
4. Is the boulder free of sharp, jagged or protruding edges?
5. Is the boulder free of ice or snow when children are brought outside to play?
6. Is the element age appropriate?

Table B-2: Fencing and Gates - Recommended baseline inspection questions.

2. FENCING AND GATES - Baseline Inspection

Recommended Inspection Questions:

1. Are the fencing and gates free from loose, missing, or broken parts?
2. Are the fencing and gates free from vandalism?
3. Are metal materials free from rust, corrosion or bending of members?
4. Are metal materials free from rough metal, sharp wire, and sharp edges or corners?
5. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
6. Are fence fabrics intact with all tension wires and connections secure?
7. Are gates well-lubricated and locking components in working order?
8. Is the distance between fence and gate materials and the ground surface less than 75 mm (3 inches)?
9. Are fencing and gates free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
10. Do protrusions meet inspection criteria (chap 4)?
11. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
12. Are fences and gates free of crush, pinch and shearing points?
13. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
14. Are metal materials galvanized, anodized or composed of other non-rusting material?
15. Is access provided for fire/ambulance/emergency response vehicles?

Table B-3: Pathways -Hard Surfaced- Recommended baseline inspection questions.

3. PATHWAYS - HARD SURFACED - Baseline Inspection

Recommended Inspection Questions:

1. Are pathways free of toys and other foreign objects?
2. Are pathways free of debris and slippery materials, such as sand, wood chips, ice, algae, moss, etc.?
3. Are pathways free of abrupt changes in level greater than 6 mm (1/4-inch)?
4. Are the sides of the pathways free of ruts?
5. Are pathways free of objects which protrude into the pathway overhead at a height of 2000 mm (80 inches) or less, such as branches?
6. Are pathways smooth and free from rough surfaces or cracks?
7. Are the pavement markings bright, legible, and free of chipped, peeling, or worn paint?
8. Are pavement markings free of lead (0.06% maximum lead by dry weight), cadmium, or other toxic material as specified by the manufacturer?
9. Is the element age appropriate?

Table B-4: Path ways - Wood Chip - Recommended baseline inspection questions.

4. PATHWAYS - WOOD CHIP - Baseline Inspection

Recommended Inspection Questions:

1. Are pathways free of debris, such as stones, branches, and loose parts?
2. Are wood chips distributed evenly along the pathways to form a uniform surface?
3. Are pathways free from mold, mushrooms and other fungi?
4. Are pathways free of tree roots?
5. Are pathways free of pot holes?
6. Are pathways free from puddles and poor drainage?
7. Are pathways free from insect and rodent infestation?
8. Is the depth of wood chips from 50 to 150 mm (2 to 6 inches)?
9. Are pathways free of objects which protrude into the pathway overhead at a height of 2000 mm (80 inches) or less, such as branches?
10. Are wood chips replenished with material which is free of debris or foreign matter, such as stones, dirt, branches, soil, thorns or leaves?
11. Is the element age appropriate?

Tab/e B-5: Planter -Recommended baseline inspection questions.

5. PLANTER - Baseline Inspection

Recommended Inspection Questions:

1. Is the planter free from loose, missing, or broken parts?
2. Is the planter free from vandalism?
3. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
4. Are concrete materials free from extensive cracking, rough surfaces, and sharp edges or comers?
5. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
6. Is all hardware present, securely attached, and without significant wear?

Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.

7. Is the planter free from chipped, peeling or worn paint?
8. Is the planter free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
9. Are vertical angles greater than 55 degrees?

Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.

10. Do all protrusions meet inspection criteria (chap 4)?
11. If a wood preservative was used, has a non-toxic sealant been applied to treated area every two years?
12. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
13. Are wood materials naturally rot resistant or pressure treated with a wood preservative?

If pressure treated wood was used, list the preservative's name.

14. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B-6: Shade Structure -Recommended baseline inspection questions.

6. SHADE STRUCTURE - Baseline Inspection

Recommended Inspection Questions:

1. Is the shade structure and roof free from loose, missing, or broken parts?
2. Is the shade structure and roof free from vandalism?
3. Is the roof free from leaks?
4. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
5. Are metal materials free from rust, corrosion or bending of members?
6. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
7. Are metal materials free from rough metal and sharp edges or corners?
8. Is the shade structure free from chipped, peeling or worn paint?
9. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
10. Is the shade structure free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
11. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
12. Do all protrusions meet inspection criteria (chap 4)?
13. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
14. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
15. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.

16. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
17. Are metal materials galvanized, anodized or composed of other non-rusting materials?
18. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?

Table B-7: Sign -Recommended baseline inspection questions.

7. SIGN - Baseline Inspection

Recommended Inspection Questions:

1. Is the sign free from loose, missing, or broken parts?
2. Is the sign free from vandalism?
3. Is the sign fully exposed with no vegetation obscuring its view?
4. Is the sign bright and readable with no peeling, chipped, or worn paint?
5. Are wood materials free of warping, wood rot, insect damage, and checking (cracks greater than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
6. Are metal materials free of rust, corrosion or bending of members?
7. Are wood materials free of splinters, loose or missing knots, and sharp edges or corners?
8. Are metal materials free of rough metal and sharp edges or corners?
9. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
10. Is the sign free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
11. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
12. Do protrusions meet inspection criteria (chap 4)?
13. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
14. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
15. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.

16. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
17. Are metal materials galvanized, anodized or composed of other non-rusting material?

Table B-8: Trellis - Recommended baseline inspection questions.

8. TRELLIS - Baseline Inspection

Recommended Inspection Questions:

1. Is the trellis free from loose, missing, or broken parts?
 2. Is the trellis free from vandalism?
 3. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 4. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 5. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2mm (1/16-inch), rust, corrosion, or stripping.
 6. Is the trellis free from chipped, peeling or worn paint?
 7. Is the trellis free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 8. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 9. Do all protrusions meet inspection criteria (chap 4)?
 10. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 11. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 12. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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13. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B-9: Ground Cover -Recommended baseline inspection questions.

9. GROUND COVER - Baseline Inspection

Recommended Inspection Questions:

1. Are ground cover beds free from debris?
2. Does ground cover receive sufficient water (25 mm (1 -inch) per week) for health and vigor?
3. Are planting beds free from species with thorns, and mushrooms and other fungi?
4. Are planting beds free from species with berries?
5. Are planting beds free from pending or puddles?
6. Are planting beds free from weeds?
7. Are weeds controlled by non-chemical means (see AR 608-10)?
8. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
9. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
10. Is ground cover pruned to maintain a natural appearance, rejuvenate plants, and stimulate flower development?
11. Is ground cover fertilized using a subsurface method to maintain a healthy condition?
12. Are planting beds filled as needed to avoid settling?
13. Are planting beds free of poisonous species?

Table B-1 O: Mulch - Recommended baseline inspection questions.

10. MULCH - Baseline Inspection

Recommended Inspection Questions:

1. Is the mulch free of debris such as stones, branches, and trash?
2. Is the mulch free from mold, rot, mildew, mushrooms and other fungi?
3. Is the mulch free from insect or rodent infestation?
4. Is the mulch free from puddling and poor drainage?
5. Is the mulch evenly distributed to a depth of 100 mm (4 inches) and free from potholes and low areas?
6. Is the depth of mulch 100 mm (4 inches)?
7. Is the mulch replenished with material which is free of debris or other foreign matter, such as stones, dirt, branches, soil, thorns, or leaves?

Table B-11: Shrubs -Recommended baseline inspection questions,

11. SHRUBS - Baseline Inspection

Recommended Inspection Questions:

1. Are planting beds free from debris?
2. Are planting beds free from species with thorns, mushrooms and other fungi?
3. Do planting beds receive sufficient water (25 mm (1 -inch) per week) for health and vigor?
4. Are planting beds free from roots which may cause trip hazards?
5. Are shrubs free from broken, dead or sharp branches?
6. Are planting beds free from species with berries?
7. Are planting beds free from pending or puddles?
8. Are shrubs pruned to maintain a natural appearance, rejuvenate plants, and remove hazards?
9. Are stakes and guy wires adjusted and removed when appropriate to prevent plant damage?
10. Are planting beds free from weeds?
11. Are weeds controlled by non-chemical means (see AR 608-70)?
12. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
13. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
14. Are shrubs fertilized using a subsurface method to maintain a healthy condition?
15. Is organic mulch maintained to a depth of 100 mm (4 inches) in plant beds and around individual shrubs?
16. Are proper planting techniques employed to prevent plant and trunk damage?
17. Are planting beds filled as needed to avoid settling?
18. Are planting beds free of poisonous species?

Table B-12: Tree - Recommended baseline inspection questions.

12. TREE - Baseline Inspection

Recommended Inspection Questions:

1. Is the tree free from broken stakes and protruding wires?
2. Does the tree receive sufficient water (25 mm (1-inch) per week) for health and vigor?
3. Is the tree free from broken, dead, or sharp branches?
4. Is the tree free from roots which may cause trip hazards?
5. Is the tree free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less?
6. Are stakes and guy wires adjusted and removed when appropriate to prevent plant damage?
7. Is the tree pruned to maintain a natural looking appearance, maintain or reduce size, rejuvenate plants, and remove hazards?
8. Is a minimum 900 mm (36-inch) diameter bed of organic mulch maintained around the tree?
9. Is organic mulch maintained at a 100 mm (4-inch) depth?
10. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
11. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
12. Is the tree fertilized using a subsurface method to maintain a healthy condition?
13. Are proper planting techniques employed to prevent plant and trunk damage?
14. Is the tree species nonpoisonous?
15. Are trees free from fruit and berries?

Table B-13: Turf -Recommended baseline inspection questions.

13. TURF - Baseline Inspection

Recommended Inspection Questions:

1. Does the turf receive sufficient water (25 mm (1-inch) per week) for health and vigor?
2. Is the turf free of mushrooms and other fungi?
3. Is the turf mowed to a height of 25 to 50 mm (1 to 2 inches)?
4. Are the turf areas free from holes and trip hazards?
5. Is the turf free from poor drainage, ponding, and puddles?
6. Are weeds controlled by nonchemical means (see AR 608-10)?
7. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
8. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in AR 420-78?
9. Is the turf fertilized using a subsurface method to maintain healthy growth?
10. Are the turf areas free from excessive settling?
11. Is the soil aerated to maintain a healthy growth?
12. Is the turf dethatched to maintain a healthy growth?
13. Are turf areas free of poisonous plant species?

Table 6-12: Tree - Recommended baseline inspection questions.

12. TREE - Baseline Inspection

Recommended inspection Questions:

1. Is the tree free from broken stakes and protruding wires?
2. Does the tree receive sufficient water (25 mm (1-inch) per week) for health and vigor?
3. Is the tree free from broken, dead, or sharp branches?
4. Is the tree free from roots which may cause trip hazards?
5. Is the tree free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less?
6. Are stakes and guy wires adjusted and removed when appropriate to prevent plant damage?
7. Is the tree pruned to maintain a natural looking appearance, maintain or reduce size, rejuvenate plants, and remove hazards?
8. Is a minimum 900 mm (36-inch) diameter bed of organic mulch maintained around the tree?
9. Is organic mulch maintained at a 100 mm (4-inch) depth?
10. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
11. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
12. Is the tree fertilized using a subsurface method to maintain a healthy condition?
13. Are proper planting techniques employed to prevent plant and trunk damage?
14. Is the tree species nonpoisonous?
15. Are trees free from fruit and berries?

Table B-15: Irrigation - Recommended baseline inspection questions.

15. IRRIGATION - Baseline Inspection

Recommended Inspection Questions:

1. Is the system free from trip hazards such as unretracted sprinkler heads, exposed pipes, etc.?
2. Is irrigation maintained at the proper level to provide needed moisture (25 mm (1 -inch) per week) without over watering?
3. Are sprinkler heads free from dirt and debris?
4. Are pipes flushed out from the mainline through the quick coupling valves after cleaning sprinkler heads?
5. Are sprinkler heads set to finished grade?
6. Are valves maintained in proper working order?
7. Are irrigation pipes inspected for placement and leaks?
- & Is the system winterized each fall and started up each spring in cold climates?
9. Are backflow prevention devices installed to ensure water in the irrigation system does not back-siphon into the potable distribution system?
10. Are backflow prevention devices tested annually to ensure operability according to state and local laws and manufacturer's guidance?

*Table 8-12: Tree - Recommended baseline inspection questions.***12. TREE - Baseline Inspection**

Recommended Inspection Questions:

1. Is the tree free from broken stakes and protruding wires?
2. Does the tree receive sufficient water (25 mm (1-inch) per week) for health and vigor?
3. Is the tree free from broken, dead, or sharp branches?
4. Is the tree free from roots which may cause trip hazards?
5. Is the tree free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less?
6. Are stakes and guy wires adjusted and removed when appropriate to prevent plant damage?
7. Is the tree pruned to maintain a natural looking appearance, maintain or reduce size, rejuvenate plants, and remove hazards?
8. Is a minimum 900 mm (36-inch) diameter bed of organic mulch maintained around the tree?
9. Is organic mulch maintained at a 100 mm (4-inch) depth?
10. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
11. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in AR 420-76?
12. Is the tree fertilized using a subsurface method to maintain a healthy condition?
13. Are proper planting techniques employed to prevent plant and trunk damage?
14. Is the tree species nonpoisonous?
15. Are trees free from fruit and berries?

Table B-17: Storm Drain - Recommended baseline inspection questions.

17. STORM DRAIN - Baseline Inspection

Recommended Inspection Questions:

1. Are the storm drain inlets clear and free running with no water standing on the ground surface?
2. Are the storm drain covers securely fastened to the frame?
3. Are storm drain openings no greater than 15 mm (1/2-inch)?

Table B-14: Drinking Fountain -Recommended baseline inspection questions.

14. DRINKING FOUNTAIN - Baseline Inspection

Recommended Inspection Questions:

1. Is the drinking fountain free from loose, missing, or broken parts?
 2. Is the drinking fountain free from vandalism?
 3. Are the basin, spigot, and handle cleaned and regularly disinfected as per AR 608-10?
 4. Are the hardware and plumbing in working order with the drain running free?
 5. Is the arch of water sufficient to hit the drinking fountain drain without overshooting?
 6. Are wood materials free from warping, wood rot, insect damage, and checking (cracks greater than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 7. Are metal materials free from rust, corrosion, or bending of members?
 8. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 9. Are metal materials free from rough metal and sharp edges or comers?
 10. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion or stripping.
 11. Is the drinking fountain free from chipped, peeling or worn paint?
 12. Is the drinking fountain free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 13. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 14. Do protrusions meet inspection criteria (chap 4)?
 15. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 16. Are metal materials galvanized, anodized or composed of other non-rusting material?
 17. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 18. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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19. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
 20. Is the wood preservative used in pressure treatment free from arsenals?

Table B-19: Synthetic Safety Surfacing (Within Use Zones) - Recommended baseline inspection questions.

19. SYNTHETIC SAFETY SURFACING (WITHIN USE ZONES) - Baseline Inspection

Recommended Inspection Questions:

1. Is synthetic safety surfacing free of loose material and foreign objects, such as debris, sand, gravel, leaves, soil, and toys?
2. Is synthetic safety surfacing free from puddles, ice and snow when children are brought outdoors to play?
3. Is the play equipment area closed when the outdoor temperature is -4 degrees Celsius (25 degrees Fahrenheit) or less?
4. Is synthetic safety surfacing firmly attached to the underlying surface?
5. Is synthetic safety surfacing free of abrupt changes in level greater than 6 mm (1/4-inch)?
6. Is synthetic safety surfacing free of cuts, nicks or damaged areas?
7. Is synthetic safety surfacing free of exposed hardware and sharp edges?
8. Is the surfacing guaranteed by the manufacturer to meet ASTM F 1292 requirements for impact attenuation (a head first fall from the highest accessible point of the equipment onto the play area surface must result in a impact of 200 g's or less and a Head Injury Criteria value of no more than 1,000)?

Table B-20: Wood Product Safety Surfacing (Within Use Zones) - Recommended baseline inspection questions.

20. WOOD PRODUCT SAFETY SURFACING (WITHIN USE ZONES) - Baseline Inspection

Recommended Inspection Questions:

1. Is wood product safety surfacing free of debris and foreign objects, such as stones, leaves, twigs or branches, toys, and wheeled toys?
2. Is wood product safety surfacing free of animal feces?
3. Is wood product safety surfacing free of mold, mushrooms, fungi, mildew, rot, and insect or rodent infestation?
4. Is wood product safety surfacing removed from adjacent areas and pathways?
5. Is wood product safety surfacing free from holes or low areas caused by digging or play activities?
6. Is the play equipment area closed when the wood product safety surfacing is frozen?
7. Is wood product safety surfacing free from puddles and poor drainage?
8. Is wood product safety surfacing depth a minimum of 300 mm (12 inches) over base materials and footings?
9. Are wood product safety surfacing areas free from asphalt or concrete subsurface materials?
10. Is wood product safety surfacing removed and replaced when impact attenuating ability deteriorates due to decomposition, dirt and debris?

Note: Wood product safety surfacing will be replaced when a headfirst fall from the highest point of the play equipment would not result in an impact of 200 g's or less and a Head Injury Criteria value no greater than 1,000 when tested in accordance to ASTM F 1292.

Table B-21: Bench -Recommended baseline inspection questions.

21. BENCH - Baseline Inspection

Recommended Inspection Questions:

1. Is the bench free from loose, missing, or broken parts?
 2. Is the bench free from vandalism?
 3. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 4. Are concrete materials free from extensive cracking, rough surfaces, and sharp edges or corners?
 5. Are metal materials free from rust, corrosion, or bending of members?
 6. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 7. Are metal materials free from rough metal and sharp edges or corners?
 8. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 9. Is the bench free from chipped, peeling or worn paint?
 10. Is the bench free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 11. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 12. Do all protrusions meet inspection criteria (chap 4)?
 13. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 14. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 15. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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16. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
 17. Are metal materials galvanized, anodized or composed of other non-rusting material?

Table B-22: Removable Shade -Recommended baseline inspection questions.

22. REMOVABLE SHADE - Baseline Inspection

Recommended Inspection Questions:

1. Is the removable shade element free from loose, missing, or broken parts?
2. Is the removable shade element free from vandalism?
3. Is the removable shade element clean?
4. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion.
5. Is the removable shade element free from sharp edges or corners?
6. Is the removable shade element free from rust, corrosion, or bending of members?
7. Is the shade element free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
8. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
9. Do all protrusions meet inspection criteria (chap 4)?
10. Is the removable shade element free from crush, pinch and shearing points?
11. Are metal materials galvanized, anodized or composed of other non-rusting materials?
12. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?

Table B-23: Table -Recommended baseline inspection questions.

23. TABLE - Baseline Inspection

Recommended Inspection Questions:

1. Is the table free from loose, missing, or broken parts?
 2. Is the table free from vandalism?
 3. Is the table clean and disinfected as per *AR 608-10*?
 4. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 5. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 6. Is the table free from chipped, peeling or worn paint?
 7. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 8. Is the table free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 9. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 10. Do ail protrusions meet inspection criteria (chap 4)?
 11. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 12. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 13. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
-
14. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B-24: Trash Receptacle - Recommended baseline inspection questions.

24. TRASH RECEPTACLE - Baseline Inspection

Recommended Inspection Questions:

1. Is the trash receptacle free from loose, missing, or broken parts?
 2. Is the trash receptacle free from vandalism?
 3. Are spills cleaned as they occur?
 4. Are wood materials free from warping, wood rot, insect damage, and checking (cracks greater than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 5. Are metal materials free rust, corrosion or bending of members?
 6. Are concrete materials free from extensive cracking, and sharp edges and corners?
 7. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 8. Are metal materials free from rough metal and sharp edges or comers?
 9. Is all hardware present, securely attached, and without significant west?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 10. Is the trash receptacle free from chipped, peeling or worn paint?
 11. Is the trash receptacle cleaned with detergent, water and a disinfectant monthly as weather permits or more often if needed?
 12. Is the unit free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 13. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 14. Do protrusions meet inspection criteria (chap 4)?
 15. Is the dumpster placed on a hard stand?
 16. Is the dumpster covered and closed?
 17. Are dumpster drain holes plugged or covered with mesh screening?
 18. Is the trash receptacle impermeable to moisture or lined with nonabsorbent materials and leakproof?
 19. Is the trash receptacle capable of being covered with a lid or closed when not in use?
 20. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
-
21. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B-24: Trash Receptacle -Recommended baseline inspection questions (cont.).

24. TRASH RECEPTACLE - Baseline Inspection - continued

22. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
23. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
24. Are metal materials galvanized, anodized or composed of other non-rusting material?

Table B-25: Weed and Pest Management -Recommended baseline inspection questions.

25. WEED AND PEST MANAGEMENT - Baseline Inspection

Recommended Inspection Questions:

1. Are weeds controlled by manual rather than chemical means?
2. Is insect infestation evaluated and treated by Certified Pesticide Applicators as described in *AR 420-76*?
3. Is plant disease evaluated and treated by Certified Pesticide Applicators as described in *AR 420-76*?
4. If chemical treatment for plant disease or insects is necessary, is approved treatment applied only when children will be absent from the CDC for an adequate period of time to avoid chemical exposure?
5. If bait stations are justified, are they tamper proof and inaccessible to children?
6. Are stinging insect nests removed by pest management personnel?
7. Are children prohibited from entering the area for 24 hours after the removal of stinging insect nests?
8. Are vertebrate pests handled by trapping?
9. Is the use of live animal traps prohibited when children are present?

Table B-26: Composite Structure - Recommended baseline inspection questions.

26. COMPOSITE STRUCTURE - Baseline Inspection

TYPE OF COMPOSITE STRUCTURE (please describe) _____

Note: To inspect a composite structure, use this checklist and the checklist for each play event attached to the structure, e.g., slide checklist, horizontal ladder checklist, etc.

Recommended Inspection Questions:

1. Is the composite structure free of loose, missing, or broken parts?
2. Is the composite structure free from vandalism?
3. Is the composite structure free from wet or icy surfaces when children are brought outside to play?
4. *For metal composite structures, is the temperature above freezing when children are brought outdoors to play?*
5. Is the composite structure free from loose, slippery materials, such as sand and leaves on platforms, stairs and rungs?
6. Is the equipment layout free from two events that extend from the side of the structure to create side-by-side play events?
7. *For preschool and school age, is the composite structure's use zone free from obstructions when measured 2400 mm (96 inches) in any direction from the equipment?*
8. *For toddlers, is the composite structure's use zone free from obstructions when measured 1800 mm (72 inches) in any direction from the equipment?*
9. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
10. Are metal materials free from rust, corrosion, or bending of members?
11. Are plastic parts unbroken and without chips or cracks, particularly at joints and connections?
12. Are wood materials free from splinters, loose or missing knots, or sharp edges or corners?
13. Are metal materials free from rough metal and sharp edges or corners?
14. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
15. Is the composite structure free from chipped, peeling or worn paint?
16. Are S-hooks and other connectors fully closed and secure?
Note: The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.
17. Is the rope free of fraying or rot?

Table B-26: Composite Structure Recommended baseline inspection questions (cont.).

26. COMPOSITE STRUCTURE - Baseline Inspection - continued

- 18. Is chain without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion.
- 19. Is cable without visible wear and free of frayed or projecting wires?
- 20. Is the structure free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
- 21. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
- 22. Do protrusions meet inspection criteria (chap 4)?
- 23. Is the equipment free from accessible crush, pinch, or shearing points (chap 4)?
- 24. Are equipment footings securely anchored?
- 25. *For toddlers*, is the the maximum platform height 900 mm (36 inches) from the ground surface?
- 26. *For preschool*, is the the maximum platform height 1200 mm (48 inches) from the ground surface?
- 27. *For school age*, is the the maximum platform height 1400 mm (56 inches) from the ground surface?
- 28. Is the maximum height of the composite structure vertical support 2400 mm (96 inches)?
- 29. Is the maximum nonclimbable roof height 2550 mm (102 inches) at the exterior ridge?
Note: Roofs are not recommended for school age composite structures.
- 30. *For toddlers*, are all platforms over 500 mm (20 inches) high surrounded by protective barriers 500 mm (20 inches) high?
- 31. *For preschool*, are all platforms over 500 mm (20 inches) high surrounded by protective barriers 725 mm (29 inches) high?
- 32. *For school age*, are all platforms over 750 mm (30 inches) high surrounded by protective barriers 950 mm (38 inches) high?
- 33. Is the composite structure free from play events or components in its interior onto which a child may fall from a height greater than 450 mm (18 inches)?
- 34. Are handrails or handgrips provided to ease the transition between platforms and attached play events?
- 35. Are handrails or handgrips between 25 to 40 mm (.95 to 1.55 inches) in diameter?
- 36. Are platforms level (within 2° of horizontal)?
- 37. Are openings provided in platforms to allow for drainage?
- 38. *For preschool*, is the maximum difference in height between stepped platforms 300 mm (12 inches)?
- 39. *For school age*, is the maximum difference in height between stepped platforms 450 mm (18 inches)?

Table B-26: Composite Structure - Recommended baseline inspection questions (cont.).

26. COMPOSITE STRUCTURE - Baseline Inspection - continued

40. *For school age*, when the distance between platforms exceeds 225 mm (9 inches) and the lower platform is over 1200 mm (48 inches) high, is the space between platforms infilled to less than 90 mm (3 1/2 inches)?
41. *For preschool*, when the distance between platforms exceeds 225 mm (9 inches) and the lower platform is over 750 mm (30 inches) high, is the space between platforms infilled to less than 90 mm (3 1/2 inches)?
42. *For toddler and preschool*, is there another means of equipment access (e.g., a ramp, stairway or stepladder) in addition to climbing apparatus?
43. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
44. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
45. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
-
46. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
47. Are metal materials galvanized, anodized or composed of other non-rusting materials?
48. Are lock washers, self-locking nuts or other locking means provided for all nuts and bolts to protect them from detachment?
49. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
50. Is the equipment free of hollow wooden or metal support posts with open ends?
51. Is the play element age appropriate?

Table B-27: Arch Climber- Recommended baseline inspection questions.

27. ARCH CLIMBER - Baseline Inspection

Recommended Inspection Questions:

1. Does the arch climber meet all requirements for composite structures (see composite structure checklist)?
2. Is the arch climber free from loose, missing, or broken parts?
3. Is the arch climber free from vandalism?
4. Do the arch climber rungs rotate?
5. *For preschool*, is the maximum height of the arch climber 1200 mm (48 inches)?
6. *For school* age, is the maximum height of the arch climber 1400 mm (56 inches)?
7. Is the rung size between 25 to 40 mm (.95 to 1.55 inches)?
8. Is the distance between rungs greater than 225 mm (9 inches) but not more than 300 mm (12 inches)?
9. Are all rungs evenly spaced?
10. Is the distance between the top rung and the platform equal to the distance between rungs?
11. *For school* age, are the rungs a minimum of 400 mm (16 inches) wide?
12. *For preschool*, are the rungs a minimum of 300 mm (12 inches) wide?
13. Is another less challenging means of equipment access provided, e.g., stairs, ramp, etc.?
14. Does the arch climber provide hand support during climbing and at the transition point where the climber connects to the composite structure platform?
15. Can interior climbing bars be struck during a free fall from a height greater than 450 mm (18 inches) to the surface?
16. Is the play element age appropriate?

Table B-28: Bubble Panel -Recommended baseline inspection questions.

28. BUBBLE PANEL - Baseline Inspection

Recommended Inspection Questions:

1. Does the bubble panel meet all requirements for composite structures (see composite structure checklist)?
2. Is the bubble panel free from loose, missing, or broken parts?
3. Is the bubble panel free from vandalism?
4. Is the bubble panel free from scratches in the panel window which significantly obscure the view?
5. Do all openings between the bubble panel, vertical support, and the platform surface preclude the passage of the torso probe?
6. *For toddlers*, is the bubble panel 500 mm (20 inches) high?
7. *For preschool*, is the bubble panel 725 mm (29 inches) high?
8. *For school age*, is the bubble panel 950 mm (38 inches) high?
9. Is the play element age appropriate?

Table B-29: Clatter Bridge - Recommended baseline inspection questions.

29. CLATTER BRIDGE - Baseline Inspection

Recommended Inspection Questions:

1. Does the clatter bridge meet all requirements for composite structures (see composite structure checklist)?
2. Is the clatter bridge free from loose, missing, or broken parts?
3. Is the clatter bridge free from vandalism?
4. Is the clatter bridge surface free from loose material, such as sand, wood chips and leaves?
5. Is the clatter bridge free from worn chain?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2mm (1/16-inch), rust, or corrosion.
6. Is the clatter bridge free from open S-hooks?
Note: The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.
7. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
8. Is the distance between the bridge and composite structure platform 50 mm (2 inches) maximum?
9. *For preschool*, Is the maximum height to the clatter bridge surface 750 mm (30 inches)?
10. *For school age*, is the maximum height to the clatter bridge surface 1200 mm (48 inches)?
11. Are guardrails provided to prevent children from falling from the clatter bridge?
12. *For preschool*, is the top edge of the guardrail 725 mm (29 inches) high and the lower edge no more than 575 mm (23 inches) above the bridge walking surface?
13. *For school age*, is the top edge of the guardrail 950 mm (38 inches) high and the lower edge no more than 700 mm (28 inches) above the bridge walking surface?
14. Is the play element age appropriate?

Table B-30: Cleated Ramp - Recommended baseline inspection questions.

30. CLEATED RAMP - Baseline Inspection

Recommended Inspection Questions:

1. Does the cleated ramp meet all requirements for composite structures (see composite structure checklist)?
2. Is the cleated ramp free from loose, missing, or broken parts?
3. Is the cleated ramp free from vandalism?
4. Is the cleated ramp free from loose material, such as sand, wood chips and leaves?
5. *For toddlers*, is the maximum height of the cleated ramp 900 mm (36 inches)?
6. *For toddlers*, is the slope of the ramp less than or equal to 1:8?
7. *For toddlers*, is ramp designed for single file use a minimum of 300 mm (12 inches) wide?
8. *For toddlers*, are ramps designed for use by two children abreast a minimum of 750 mm (30 inches) wide?
9. Is the play element age appropriate?

Table B-31: Game Panel -Recommended baseline inspection questions.

31. GAME PANEL - Baseline Inspection

Recommended Inspection Questions:

1. Does the game panel meet all requirements for composite structures (see composite structure checklist)?
2. Is the game panel free from loose, missing, or broken parts?
3. Is the game panel free from vandalism?
4. Are game component markings clearly visible?
5. Do all openings between the game panel, vertical supports, and the platform surface preclude the passage of the torso probe?
6. *For toddlers, is the the game panel 500 mm (20 inches) high?*
7. *For preschool, is the game panel 725 mm (29 inches) high?*
8. *For school age, is the game panel 950 mm (38 inches) high?*
9. Is the play element age appropriate?

Table B-32: Horizontal Ladder -Recommended baseline inspection questions.

32. HORIZONTAL LADDER - Baseline Inspection

Recommended Inspection Questions:

Note: Horizontal ladders are recommended for use by children ages four and older.

1. Does the horizontal ladder meet all requirements for composite structures (see composite structure check-list)?
2. Is the horizontal ladder free from loose, missing, or broken parts?
3. Is the horizontal ladder free from vandalism?
4. Are ladder rungs securely attached and do not rotate?
5. *For preschool*, is the maximum height of the horizontal ladder 1500 mm (60 inches)?
6. *For school age*, is the maximum height of the horizontal ladder 2100 mm (84 inches)?
7. Is the first handhold on both ends of the horizontal ladder inset so that it is not directly above the platform or rungs used for equipment entry or exit?
8. Is the rung diameter 25 to 40 mm (.95 to 1.55 inches)?
9. Are rungs round in cross section?
10. Is the spacing between rungs greater than 225 mm (9 inches) apart but not more than 375 mm (15 inches) apart?
11. Is the horizontal distance from the leading edge of the takeoff/landing platform to the first handhold 250 mm (10 inches) maximum?
12. If access and egress is provided by means of rungs, is the horizontal distance from leading edge of takeoff/landing platform 200 mm (8 inches) minimum and 250 mm (10 inches) maximum?
13. Is maximum height of takeoff/landing platform 450 mm (18 inches)?
14. Is maximum distance from top surface of access and egress point to first handhold 1100 mm (45 inches) minimum?
15. Is the play element age appropriate?

Table B-33: Ladder and Stairs - Recommended baseline inspection questions.

33. LADDER AND STAIRS - Baseline Inspection

Recommended Inspection Questions:

1. Do ladders and stairs meet all requirements for composite structures (see composite structure checklist)?
2. Are ladders and stairs free from loose, missing, or broken parts?
3. Are ladders and stairs free from vandalism?
4. Are steps free from loose material, such as sand, wood chips, and leaves?
5. Are ladder rungs and steps securely attached?
6. Do ladder rungs rotate?
7. Are ladders and stairs free of head entrapments?
Openings must meet all entrapment inspection criteria (chap 4).
8. Are closed risers and steps designed to prevent the accumulation of sand, water, or other materials?
9. Are ladder rungs and steps evenly spaced, including the space between the top rung or step and the platform?
10. *For toddlers*, is the maximum height of ladder and stairs 900 mm (36 inches)?
11. *For preschool*, is the maximum height of ladder and stairs 1200 mm (48 inches)?
12. *For school age*, is the maximum height of ladder and stairs 1400 mm (56 inches)?
13. Do rung ladders have a slope of 75 degrees to 90 degrees?
14. *For preschool*, are rung ladders a minimum of 300 mm (12 inches) wide?
15. *For school age*, are rung ladders a minimum of 400 mm (16 inches) wide?
16. *For rung ladders*, is the distance between rungs (tread to tread vertical rise) greater than 225 mm (9 inches) but not more than 300 mm (12 inches)?
17. *For rung ladders*, is the rung diameter between 25 to 40 mm (.95 to 1.55 inches)?
18. Do stepladders have a slope of 50 degrees to 75 degrees?
19. *For preschool*, do stepladder have a tread width between 300 mm (12 inches) and 525 mm (21 inches) wide for single file use?
Note: Stepladders designed for use by two children abreast are not recommended for preschool.
20. *For school age*, do stepladders have a minimum tread width of 400 mm (16 inches) for single file use?
21. *For school age*, do stepladders have a minimum tread width of 1000 mm (40 inches) for use by two children abreast?
22. *For preschool*, do stepladders have a minimum tread depth of 175 mm (7 inches)?
23. *For school age*, do stepladders with open risers have minimum tread depth of 75 mm (3 inches)?

Table B-33: Ladder and Stairs - Recommended baseline inspection questions (cont.).

33. LADDER AND STAIRS - Baseline Inspection - continued

- 24. *For school age*, do stepladders with closed risers have minimum tread depth of 150 mm (6 inches)?
- 25. *For preschool*, is the distance between stepladder rungs (tread to tread vertical rise) a maximum of 225 mm (9 inches)?
- 26. *For preschool*, are closed risers provided for stepladders?
- 27. *For school age*, is the distance between stepladder rungs (tread to tread vertical rise) greater than 225 mm (9 inches) and a maximum of 300 mm (12 inches)?
Note: Due to entrapment hazards, risers spaced between 90 and 225 mm (3-1/2 to 9 inches) apart must be closed risers.
- 28. Do stairways have a slope no greater than 35 degrees?
- 29. *For preschool*, do stairways have a minimum 300 mm (12-inch) tread width for single file use?
- 30. *For preschool*, do stairways have a minimum 750 mm (30-inch) tread width for use by two children abreast?
- 31. *For school age*, do stairways have a minimum tread width of 400 mm (16 inches) for single file use?
- 32. *For school age*, do stairways have a minimum tread width of 1000 mm (40 inches) for use by two children abreast?
- 33. *For preschool*, do stairways have a minimum tread depth of 175 mm (7 inches)?
- 34. *For school age*, do stairways have minimum tread depth of 200 mm (8 inches) for both open and closed risers?
- 35. *For preschool*, is the distance between steps (tread to tread vertical rise) a maximum of 225 mm (9 inches)?
- 36. *For preschool*, are closed risers provided for stairways?
- 37. *For school age*, is the distance between steps (tread to tread vertical rise) greater than 225 mm (9 inches) and a maximum of 300 mm (12 inches)?
Note: Due to entrapment hazards, risers spaced between 90 and 225 mm (3-1/2 to 9 inches) apart must be closed risers.
- 38. Do stairways and stepladders have continuous handrails on both sides?
Note: Rung ladders do not require handrails since the rungs or side supports serve this function.
- 39. Is the height of the handrail distance between 550 and 950 mm (22 to 38 inches) when measured from the top front edge of the step (tread nosing) to the handrail top surface?
- 40. Is the maximum handrail diameter between 25 to 40 mm (.95 to 1.55 inches)?

Table B-34: Net Climber - Recommended baseline inspection questions.

34. NET CLIMBER - Baseline Inspection

Recommended Inspection Questions:

1. Does the net climber meet all requirements for composite structures (see composite structure checklist)?
2. Is the net climber free from loose, missing, or broken parts?
3. Is the net climber free from vandalism?
4. Is the net climber free from worn cable?
5. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation or indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
6. Is the net climber free from open S-hooks?
Note: The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.
7. Is the net adjusted to eliminate loose cable?
8. Are anchoring devices at ground level buried below the playing surface?
9. Is the maximum height of the net climber 2400 mm (96 inches)?
10. Is the slope of the net climber 90 degrees?
Note: Inclined or horizontal nets are not permitted.
11. Is the net climber securely attached at both ends?
12. Are connections fixed to prevent openings from changing size?
13. Is the net climber free from head entrapments?
Note: Openings must meet entrapment test criteria for flexible openings (chap 4).
14. Is the cable diameter between 25 to 40 mm (.95 to 1.55 inches)?
15. Is a less challenging means of access/egress provided?
16. *For preschool*, does net climber allow users to bring both feet to the same level while ascending or descending?
17. Is the play element age appropriate?

Table B-35: Protective Barrier- Recommended baseline inspection questions.

35. PROTECTIVE BARRIER - Baseline Inspection

Recommended Inspection Questions:

1. Does the protective barrier meet all requirements for composite structures (see composite structure check-list)?
2. Is the protective barrier free from loose, missing, or broken parts?
3. Is the protective barrier free from vandalism?
4. Do all openings between the the protective barrier, vertical supports, and the platform surface preclude the passage of the torso probe?
5. *For toddler and preschool*, are protective barriers provided on all sides of play equipment platforms which are over 500 mm (20 inches) in height?
Note: Areas where children enter or exit the equipment or an attached play event are exempt.
6. *For school age*, are protective barriers provided on all sides of play equipment platforms which are over 750 mm (30 inches) in height?
Note: Areas where children enter or exit the equipment or an attached play event are exempt.
7. *For toddlers*, is the the protective barrier 500 mm (20 inches) high?
8. *For preschool*, is the protective barrier 725 mm (29 inches) high?
9. *For school age*, is the protective barrier 950 mm (38 inches) high?

Table B-36: Ring Trek - Recommended baseline inspection questions.

36. RING TREK - Baseline Inspection

Recommended Inspection Questions:

1. Does the ring trek meet all requirements for composite structures (see composite structure checklist)?
2. Is the ring trek free from loose, missing, or broken parts?
3. Is the ring trek free from vandalism?
4. Are adjoining platforms free from loose material, such as sand, wood product safety surface and leaves?
5. Is the ring trek free from worn chain?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.
6. Is the ring trek free from open S-hooks?
Note: The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.
7. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation or indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping,
8. *For school age*, is the maximum height of the ring trek 2100 mm (84 inches)?
9. *For preschool*, is the maximum height of the ring trek 1800 mm (72 inches)?
10. Are grips between 25 and 40 mm (.95 to 1.55 inches) in diameter?
11. Are grips round in shape?
12. Is the chain length 300 mm (12 inches) or less between the ring and attachment point?
13. Is the first ring inset on both ends of the play event so that it is not directly above the platform or rungs used for equipment entry or exit?
14. Is horizontal distance from the leading edge of takeoff/landing platforms to the first handhold 250 mm (10 inches) maximum?
15. Is the maximum height of takeoff/landing structure 450 mm (18 inches)?
16. Is the maximum distance from takeoff/landing structures to first handhold 1100 mm (45 inches)?
17. Is the play element age appropriate?

Table B-37: Roof -Recommended baseline inspection questions.

37. ROOF - Baseline Inspection

Recommended Inspection Questions:

1. Does the roof meet all requirements for composite structures (see composite structure checklist)?
2. Is the roof free from loose, missing or broken parts?
3. Is the roof free from vandalism?
4. Is the roof securely attached?
5. Is the maximum nonclimbable exterior height at the roof's ridge 2550mm (102 inches)?
6. Is the element age appropriate?

Table B-38: Slide -Recommended baseline inspection questions.

38. SLIDE - Baseline Inspection

Recommended Inspection Questions:

1. Does the slide meet all requirements for composite structures (see composite structure checklist)?
2. Is the slide free from loose, missing, or broken parts?
3. Is the slide free from vandalism?
4. Are plastic slides free from breaks, cracks, or chips, particularly at joints and connections?
5. Is the slide securely attached?
6. Are the slide bed, platforms and stairs free from loose material, such as sand, wood product safety surface, and leaves?
7. Is the metal slide bed free from areas which are hot to the touch when children are brought outdoors to play?
8. Is the slide entrance, sliding surface, and slide chute rails free of any openings that may cause entrapment or entanglement?
9. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation or indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
10. Is the slide free from sharp edges and corners?
11. *For toddlers*, is the maximum height of the slide entrance 900 mm (36 inches)?
12. *For preschool*, is the maximum height of the slide entrance 1200 mm (48 inches)?
13. *For school age*, is the maximum height of the slide entrance 1400 mm (56 inches)?
14. *For toddlers*, does the slide have an 1800 mm (72 inches) obstruction-free use zone in front of the exit region and to both sides of the slide bed?
15. *For preschool and school age*, does the slide have an 2400 mm (96 inches) obstruction-free use zone in front of the exit region and a 1800 mm (72 inches) obstruction-free use zone to both sides of the slide bed?
16. Does a barrier at the slide entry require children to assume a sitting position before sliding?
17. Is the slope of the slide throughout the slide bed 50 degrees or less?
18. Is the platform at the slide entry at least 550 mm (22 inches) in length and as wide as the inclined surface?
19. If the platform at the slide entry is wider than the sliding surface, are protective barriers provided to fully enclose the platform?
20. Are protective barriers which meet the required dimensions provided on all sides of the slide entry platform (see protective barrier baseline inspection checklist)?
21. Are handholds provided at the entrance to facilitate the transition from standing to sitting?
22. Are handholds at the slide entrance high enough to provide hand support to the largest child in a standing position?

Table B-38: Slide - Recommended baseline inspection questions (writ.).

38. SLIDE - Baseline Inspection - continued

- 23. Are handholds at the slide entrance low enough to provide hand support for the smallest child in a sitting position?
- 24. Are slide chute rails a minimum of 100 mm (4 inches) high?
- 25. Do slide chute rails extend along both sides of the chute for the entire length of the inclined sliding surface?
- 26. Are the slide chute rails an integral part of the chute without any gaps between the sides and the sliding surface?
- 27. Are metal slides installed in shaded areas or located to face north?
- 28. Is the slide exit region essentially horizontal and parallel to the ground (0 to -4 degrees)?
- 29. Does the slide exit region have a minimum length of 275 mm (11 inches)?
- 30. For slides no more than 1200 mm (48 inches) in height, is the height of the exit region a maximum of 275 mm (11 inches) from the protective surface?
- 31. For slides that are over 1200 mm (48 inches) in height, is the exit region at least 175 mm (7 inches) but not more than 375 mm (15 inches) above the protective surface?
- 32. Is the radius of curvature in the slide exit region 750 mm (30 inches) or greater?
- 33. Are slide exit edges rounded or curved?
- 34. Are clear sight lines provided from the top to the bottom of the slide?
- 35. Does slide height/length ratio meet ASTM F 1487 requirements?
- 36. *For preschool*, is minimum slide chute width 300 mm (12 inches) for slides designed for use by one child?
- 37. *For school age*, is minimum slide chute width 400 mm (16 inches) for slides designed for use by one child?
- 38. Is a slide clearance zone free of equipment which extends to a height of 1500 mm (60 inches) above the slide chute surface and 500 mm (21 inches) beyond sidewalls on each side (measured from inside of the sidewall) provided throughout the slide chute area?

Note: slide hoods, guardrails or other devices intended to channel user into sitting position are excluded.

- 39. Is the play element age appropriate?

Table B-39: Stationary Bridge - Recommended baseline inspection questions.

39. STATIONARY BRIDGE - Baseline Inspection

Recommended Inspection Questions:

1. Does the bridge meet all requirements for composite structures (see composite structure checklist)?
2. Is the bridge free from loose, missing, or broken parts?
3. Is the bridge free from vandalism?
4. Is the bridge and bridge enclosure securely attached?
5. Is the bridge surface free from loose materials such as sand, wood product safety surface and leaves?
6. *For toddlers*, is the maximum height of the bridge walking surface 900 mm (36 inches)?
7. *For preschool*, is the maximum height of the bridge walking surface 1200 mm (48 inches)?
8. *For school age*, is the maximum height of the bridge walking surface 1400 mm (56 inches)?
9. *For toddlers*, is the bridge fully enclosed with no potential for entrapment or falls?
10. Does the surface accumulate water or debris?
11. Does the surface material cut, scratch or burn when slid on?
12. Is the play element age appropriate?

Table B-40: Track Ride - Recommended baseline inspection questions.

40. TRACK RIDE - Baseline Inspection

Recommended Inspection Questions:

1. Does the track ride meet all requirements for composite structures (see composite structure checklist)?
2. Is the track ride free from loose, missing, or broken parts?
3. Is the track ride free from vandalism?
4. Are adjoining platforms free from loose material, such as sand, wood product safety surface and leaves?
5. Is the track ride free from worn chain?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion.
6. Is the track ride free from open S-hooks?
Note: The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.
7. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation or indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
8. Is the track ride sliding mechanism free from wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion.
9. Is the sliding mechanism well lubricated?
10. Are the sliding mechanism and other moving parts disassembled annually and replaced as indicated for visible signs of wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion.
11. *For school age*, is the maximum height of the track ride 2400 mm (96 inches)?
12. Are grips between 25 and 40 mm (.95 to 1.55 inches) in diameter?
13. Are grips round in shape?
14. Is the chain length 300mm (12 inches) or less between the grip and attachment point?
15. Is the track inset on both ends of the play event so that it is not hung directly above the platform or rungs used for equipment entry or exit?
16. Is maximum horizontal distance from the leading edge of takeoff/landing platform to handhold 240 mm (10 inches)?
17. Is maximum height of takeoff/landing structure 450 mm (18 inches)?
18. Is maximum distance from handhold to takeoff/landing structure 1100 mm (45 inches)?
19. Is takeoff/landing area free of obstructions?

Table 640: Track Ride - Recommended baseline inspection questions (cont.).

40. TRACK RIDE - Baseline Inspection - continued

20. Does slope of track ride meet manufacturer's requirements?

Table B-41: Tunnel/Tunnel Slide - Recommended baseline inspection questions.

41. TUNNEL/TUNNEL SLIDE - Baseline Inspection

Recommended Inspection Questions:

1. Does the tunnel meet all requirements for composite structures (see composite structure checklist)?
2. Is the tunnel free from loose, missing or broken parts?
3. Is the tunnel free from vandalism?
4. Is the tunnel securely attached?
5. Are plastic parts unbroken and without chips or cracks, particularly at joints and connections?
6. If the tunnel is composed of more than one piece, is it free from openings between pieces?
7. Is the tunnel free from loose material, such as sand, wood product safety surface and leaves?
8. If the tunnel is a slide, does it meet all requirements for slides (see slide checklist)?
9. Is all tunnel hardware present, securely attached and without significant wear?

Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.

10. *For preschool*, is the maximum height to the crawling/sliding surface 1200 mm (48 inches)?
11. *For school age*, is the maximum height to the crawling/sliding surface 1400 mm (56 inches)?
12. Are barriers provided or surfaces treated to prevent sliding on top of the tunnel?
13. Is the minimum diameter of the tunnel 600 mm (24 inches)?
14. Is the play element age appropriate?

Table B-42: Wheel - Recommended baseline inspection questions.

42. WHEEL - Baseline Inspection

Recommended Inspection Questions:

1. Does the wheel meet all requirements for composite structures?
2. Is the wheel free from loose, missing or broken parts?
3. Is the wheel free from vandalism?
4. Is the wheel securely attached with free movement and minimal wobble?
5. Is all hardware present, securely attached, and without significant wear?

Note: Wear is indicated by visible elongation, deformation or indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.

6. Is the wheel structure free of accessible pinch, crush and shear points (chap 4)?
7. Is the wheel lubricated to allow free turning?
8. Is the structure free of head entrapments?

Note: Openings must meet all entrapment inspection criteria (chap 4).

Table 643: Amphitheater - Recommended baseline inspection questions.

43. AMPHITHEATER - Baseline Inspection

Note: Amphitheaters are optional elements which provide large group meeting space for the entire CDC.

Recommended Inspection Questions:

1. is the amphitheater free from loose, missing, or broken parts?
 2. Is the amphitheater free from vandalism?
 3. Is the amphitheater free from debris?
 4. Are aisles and pathways of a continuous smooth surface without holes or abrupt changes in level greater than 6 mm (1/4-inch)?
 5. Are aisles and pathways free from weeds?
 6. Are aisles and pathways free from insect or rodent infestation?
 7. Are aisles and pathways free from rot or mold?
 8. Are wood seats free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 9. Are concrete seats free from extensive cracking, rough surfaces, and sharp edges or corners?
 10. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 11. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 12. Are seats free from chipped, peeling or worn paint?
 13. is the amphitheater free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 14. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 15. Do all protrusions meet inspection criteria (chap 4)?
 16. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 17. Are paints free from lead (0.060/0 maximum lead by dry weight) as stated by the manufacturer?
 18. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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19. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B44: Ball Play Area - Recommended baseline inspection questions.

44. BALL PLAY AREA - Baseline Inspection

Recommended Inspection Questions:

1. Is the surface free of toys and other foreign objects?
2. Is the surface free of debris and slippery materials, such as sand, wood product safety surface, ice, algae, moss, etc., when children are brought outdoors to play?
3. Is the surface free of abrupt changes in level greater than 6 mm (1/4-inch)?
4. Is the surface smooth and free from rough areas or cracks?
5. Are the pavement markings bright, legible, and free of chipped, peeling, or worn paint?
6. Are pavement markings free of lead (0.060% maximum lead by dry weight), cadmium, or other toxic material?
7. Is the element age appropriate?

Table B-45: Ball Wall - Recommended baseline inspection questions.

45. BALL WALL - Baseline Inspection

Recommended Inspection Questions:

1. Is the ball wall free from loose, missing, or broken parts?
2. Is the ball wall free from vandalism?
3. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
4. Is concrete free from extensive cracking, rough surfaces, or sharp edges or corners?
5. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
6. Is all hardware present, securely attached, and without significant wear?
 Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
7. Is the ball wall free from chipped, peeling or worn paint?
8. Is the ball wall free of head entrapments?
 Note: Openings must meet all entrapment inspection criteria (chap 4).
9. Are vertical angles greater than 55 degrees?
 Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
10. Do all protrusions meet inspection criteria (chap 4)?
11. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
12. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
13. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
 If pressure treated wood was used, list the preservative's name.

14. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B-46: Crawl Area - Recommended baseline inspection questions.

46. CRAWL AREA - Baseline Inspection

Recommended Inspection Questions:

1. Is the crawl area free of loose material and foreign objects, such as debris, sand, wood product safety surface, gravel, leaves, soil, and toys?
2. Is the crawl area free from puddles, ice and snow when children are brought outside to play?
3. Is the crawl area surface disinfected daily as per AR 608-10?
4. Is the synthetic safety surface firmly attached to the underlying surface?
5. Is the synthetic safety surface free of abrupt changes in level greater than 6 mm (1/4-inch)?
6. Is the synthetic safety surface free of cuts, nicks or damaged areas?
7. Is the synthetic safety surface free of exposed hardware and sharp edges?
8. Is the surface guaranteed by the manufacturer to meet ASTM F 1292 requirements for impact attenuation for a fall from a height of 600 mm (24 inches)?
9. Is the play element age appropriate?

Table B-47: Digging Area -Recommended baseline inspection questions.

47. DIGGING AREA - Baseline Inspection

Recommended Inspection Questions:

1. Is the digging area free from debris, glass, nails or other sharp or foreign material?
2. Is the clay or soil free from debris, glass, nails or other sharp or foreign material?
3. Are adjacent surfaces or structures free from undercutting (digging beneath the adjacent element)?
4. Are tools and toys removed daily for cleaning and storage?
5. Is specified clay or soil replenished as needed to avoid settling?
6. Is the element age appropriate?

Table B-48: Platform - Recommended baseline inspection questions.

48. PLATFORM - Baseline Inspection

Recommended Inspection Questions:

1. Is the platform free from loose, missing, or broken parts?
 2. Is the platform free from vandalism?
 3. Does the platform have a clear zone for circulation free from any obstruction, including portable climbing equipment, trikes, and wheeled toys which extends 300 mm (36 inches) in all directions from the platform?
 4. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 5. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 6. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 7. Is the platform free from chipped, peeling or worn paint?
 8. Is the platform free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 9. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 10. Do all protrusions meet inspection criteria (chap 4)?
 11. Are equipment footings securely anchored?
 12. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 13. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 14. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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15. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
 16. Are lock washers, self-locking nuts, or other locking means provided for all nuts and bolts to protect them from detachment?
 17. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
 18. Is the platform at ground level or a maximum of 300 mm (12 inches) high?
 19. Is the equipment free of hollow support posts with open ends?
 20. Is the play element age appropriate?

Table B-49: Playhouse - Recommended baseline inspection questions.

49. PLAYHOUSE - Baseline Inspection

Recommended Inspection Questions:

1. Is the playhouse free from loose, missing, or broken parts?
2. Is the playhouse free from vandalism?
3. Is the playhouse free of wet or icy surfaces when children are brought outdoors to play?
4. Is the walking surface free from loose and slippery material, e.g., sand, wood product safety surface, leaves, etc.?
5. Does the playhouse have a 1800 mm (72-inch) use zone free from any obstruction, including portable climbing equipment, trikes, and wheeled toys?
6. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
7. Are metal materials free from rust, corrosion or bending of members?
8. Are plastic materials unbroken and without chips or cracks, particularly at joints and connections?
9. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
10. Are metal materials free from rough metal and sharp edges or corners?
11. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
12. Is the playhouse free from chipped, peeling or worn paint?
13. Is the playhouse free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
14. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
15. Do all protrusions meet inspection criteria (chap 4)?
16. Are the equipment footings or surface mount devices securely anchored?
17. Is the equipment free of accessible crush, pinch, or shearing points (chap 4)?
18. Is the playhouse design not intended for climbing?
19. Is the maximum nonclimbable exterior height at the playhouse roof ridge 2550 mm (102 inches)?
20. Does the playhouse have a minimum of two exits?
Note: Windows which can be climbed through by a child maybe considered exits.
21. Is the roof waterproof?

Table B-49: Playhouse - Recommended baseline inspection questions (cont.).

49. PLAYHOUSE - Baseline Inspection - continued

22. Is there an overhang on the roof?
23. Is the roof strong enough to be climbed upon?
24. Is there visibility from the outside into the structure?
25. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
26. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
27. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.

28. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
29. Are lock washers, self-locking nuts, or other locking means provided for all nuts and bolts to protect them from detachment?
30. Are metal materials galvanized, anodized or composed of other non-rusting materials?
31. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
32. Is the equipment free of hollow support posts with open ends?
33. Is the play element age appropriate?

Table B-50: Play Station - Recommended baseline inspection questions.

50. PLAY STATION - Baseline Inspection

Recommended inspection Questions:

1. Is the play station free from loose, missing, or broken parts?
 2. Is the play station free from vandalism?
 3. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 4. Are metal materials free from rust, corrosion or bending of members?
 5. Are plastic materials unbroken and without chips or cracks, particularly at joints and connections?
 6. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 7. Are metal materials free from rough metal, and sharp edges or corners?
 8. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 9. Is the play station free from chipped, peeling or worn paint?
 10. Is the play station free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 11. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 12. Do all protrusions meet inspection criteria (chap 4)?
 13. Are equipment footings or surface mount devices securely anchored?
 14. Is the equipment free from accessible crush, pinch or shearing points (chap 4)?
 15. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 16. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 17. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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18. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
 19. Are lock washers, self-locking nuts, or other locking means provided for all nuts and bolts to protect them from detachment?
 20. Are metal materials galvanized, anodized or composed of other non-rusting materials?

Table B-50: Play Station - Recommended baseline inspection questions (writ.).

50. PLAY STATION - Baseline Inspection - continued

21. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
22. Is the equipment free of hollow support posts with open ends?
23. Is the play element age appropriate?

Table B-51: Program Pole - Recommended baseline inspection questions.

51. PROGRAM POLE - Baseline Inspection

Recommended Inspection Questions:

1. Is the program pole free from loose, missing, or broken parts?
2. Is the program pole free from vandalism?
3. Is the program pole free of nails, staples and other connecting devices?
4. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
5. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
6. Is all hardware present, securely attached, and without significant wear?

Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.

7. Is the program pole free from chipped, peeling or worn paint?
8. Is the program pole free of head entrapments?

Note: Openings must meet all entrapment inspection criteria (chap 4).

9. Are vertical angles greater than 55 degrees?

Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.

10. Do all protrusions meet inspection criteria (chap 4)?
11. Are equipment footings securely anchored?
12. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
13. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
14. Are wood materials naturally rot resistant or pressure treated with a wood preservative?

If pressure treated wood was used, list the preservative's name.

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15. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
 16. Are lock washers, self-locking nuts, or other locking means provided for all nuts and bolts to protect them from detachment?
 17. Are metal materials galvanized, anodized or composed of other non-rusting materials?
 18. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
 19. Is the equipment free of hollow support posts with open ends?
 20. Is the play element age appropriate?

Table B-52: Sand Play Area (Not Within Use Zones) - Recommended baseline inspection questions.

52. SAND PLAY AREA (NOT WITHIN USE ZONES) - Baseline Inspection

Recommended Inspection Questions:

1. Is the sand play containment barrier free of loose, missing, or broken parts?
2. Is the sand play containment free from vandalism?
3. Is sand free of debris and foreign objects, such as stones, leaves, twigs or branches, toys, and wheeled toys?
4. Is sand free of animal feces?
5. Is sand removed from adjacent areas and pathways?
6. Is sand free from holes or low areas caused by digging or play activities?
7. Is sand free of insect infestation?
8. Is sand free from puddles and poor drainage?
9. Is sand depth a minimum of 450 mm (18 inches)?
10. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
11. Are concrete materials free from extensive cracking, rough surfaces, or sharp edges or corners?
12. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
13. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
14. Is the sand play area free from chipped, peeling or worn paint?
15. Is the sand play area free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
16. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
17. Do all protrusions meet inspection criteria (chap 4)?
18. Has sand been thoroughly sifted for cleaning and aeration annually?
19. Has sand been removed and replaced when necessary for cleanliness?
20. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
21. Are paints free from lead (0.6% maximum lead by dry weight) as stated by the manufacturer?

Table B-52: Sand Play Area (Not Within Use Zones) - Recommended baseline inspection questions (cont.).

52. SAND PLAY AREA (NOT WITHIN USE ZONES) - Baseline Inspection - continued

- 22. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.

- 23. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
- 24. Is the element age appropriate?

Table B-53: Sand and Water Table - Recommended baseline inspection questions.

53. SAND AND WATER TABLE - Baseline Inspection

Recommended Inspection Questions:

1. Is the table free from loose, missing, or broken parts?
 2. Is the table free from vandalism?
 3. Has sand and water been cleaned and replaced to maintain sanitary conditions?
 4. Is the sand and water table covered when not in use?
 5. Is the ground surface near the sand and water table free from pooling of water or mud?
 6. Is the table's use zone free from any obstructions when measured 1800 mm (72 inches) in any direction from the equipment?
 7. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 8. Are metal materials free from rust, corrosion or bending of members?
 9. Are concrete materials free from extensive cracking, rough surfaces, or sharp edges or corners?
 10. Are plastic materials unbroken and without chips or cracks, particularly at joints and connections?
 11. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 12. Are metal materials free from rough metal and sharp edges or corners?
 13. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 14. Is the table free from chipped, peeling or worn paint?
 15. Is the table free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 16. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 17. Do all protrusions meet inspection criteria (chap 4)? ‘
 18. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 19. Are paints free from lead (0.06% maximum lead by dry weight) as stated by the manufacturer?
 20. Is the table nonabsorbent?
 21. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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Table B-53: Sand and Water Table - Recommended baseline inspection questions (writ.).

53. SAND AND WATER TABLE - Baseline Inspection - continued

22. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
23. Are lock washers, self-locking nuts, or other locking means provided for all nuts and bolts to protect them from detachment?
24. Are metal materials galvanized, anodized or composed of other non-rusting materials?
25. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
26. Is the equipment free of hollow support posts with open ends?
27. Is the play element age appropriate?

Table B-54: Storage/Pram Storage -Recommended baseline inspection questions.

54. STORAGE/PRAM STORAGE - Baseline Inspection

Recommended Inspection Questions:

1. Is the storage unit and roof free from loose, missing, or broken parts?
 2. Is the storage unit free from vandalism?
 3. Is the roof free from leaks?
 4. Is the walking surface free from loose and slippery materials, e.g., sand, wood product safety surface, leaves, etc.?
 5. Is the storage unit free from chemicals, maintenance equipment or other hazardous materials?
 6. Are wood materials free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
 7. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
 8. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
 9. Is the storage unit free from chipped, peeling or worn paint?
 10. Is the storage unit free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
 11. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
 12. Do all protrusions meet inspection criteria (chap 4)?
 13. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 14. Are paints free from lead (0.060/0 maximum lead by dry weight) as stated by the manufacturer?
 15. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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16. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?

Table B-55: Swing - Recommended baseline inspection questions.

55. SWING - Baseline Inspection

Recommended Inspection Questions:

1. Is the swing free from loose, missing, or broken parts?
2. Is the swing free from vandalism?
3. Is the swing use zone free from any obstruction, including portable climbing equipment, trikes, and wheeled toys?
Note: The swing use zone is equal to two times the height of the swing crossbeam measured to both the front and back of the equipment from the swing seat and 1800 mm (72 inches) to both sides of the swing support (chap 3).
4. Is the outdoor temperature above freezing when children are brought outdoors to play?
5. Are wood materials free from warping, wood rot, insect damage, and checking (cracks greater than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width)?
6. Are metal materials free from rust, corrosion, or bending of members?
7. Are wood materials free from splinters; loose or missing knots; and sharp edges or corners?
8. Are metal materials free from rough metal and sharp edges or corners?
9. Is all hardware present, securely attached, and without significant wear?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.
10. Is the swing free from chipped, peeling or worn paint?
11. Is the swing free from worn chains, S-hooks, and swing seats?
Note: Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion.
12. Is the swing free from open S-hooks?
Note: The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.
13. Are swing bearings well lubricated?
14. Is the swing free of head entrapments?
Note: Openings must meet all entrapment inspection criteria (chap 4).
15. Are vertical angles greater than 55 degrees?
Note: Horizontal angles, angles which slope downward from the apex, or angles which are infilled to prevent the large head template from touching both sides of the angle simultaneously are exempt.
16. Do swing seat and hardware protrusions meet inspection criteria (chap 4)?
17. Are equipment footings securely anchored?
18. Is the swing free from accessible crush, pinch, or shearing points (chap 4)?
19. Are swing seats and tot seats the "slash proof" rubber belt type?

Table B-55: Swing - Recommended baseline inspection questions (cont.).

55. SWING - Baseline Inspection - continued

20. *For toddlers*, is the maximum height of the swing crossbeam 2100 mm (84 inches)?
 21. *For toddlers*, do tot seats provide 360 degree support and are they free from head and neck entrapments?
 22. Do swing seats accommodate only one user?
 23. *For preschool or school age*, is the maximum height of the swing crossbeam 2400 mm (96 inches)?
 24. Does the swing support frame design discourage climbing?
 25. Is the swing located on the outer edge of the play area to separate it from other equipment and activity areas?
 26. Are a maximum of two swings hung in each section of the support structure?
 27. Is the swing free standing and not attached to a composite structure?
 28. *For toddlers*, are tot swings suspended at the height of 600 mm (24 inches) from the playground surface?
 29. *For preschool*, are swing seats suspended at a height of 300 mm (12 inches) to 450 mm (18 inches) from the playground surface?
 30. *For school age*, are swing seats suspended at a minimum height of 450 mm (18 inches) from the playground surface?
 31. When occupied by the maximum user, are swing seats spaced a minimum of 600 mm (24 inches) apart?
 32. When occupied by the maximum user, are swing seats spaced a minimum of 750 mm (30 inches) from the swing support structure, measured from a height of 1400 mm (60 inches) above the safety surface?
 33. Are swing hangers spaced wider than the width of the swing when occupied by the maximum user, to reduce side-to-side motion, a minimum of 500 mm (20 inches)?
Note: Swing hangers are the hardware from which the swing chains are suspended.
 34. If a wood preservative was used, has a non-toxic sealant been applied to treated areas every two years?
 35. Are paints free from lead (0.060/0 maximum lead by dry weight) as stated by the manufacturer?
 36. Are wood materials naturally rot resistant or pressure treated with a wood preservative?
If pressure treated wood was used, list the preservative's name.
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37. Is the wood preservative used in pressure treatment safe for use in children's play areas as specified by CPSC?
 38. Are metal materials galvanized, anodized or composed of other non-rusting material?
 39. Are lock washers, self-locking nuts, or other locking means provided for all nuts and bolts to protect them from detachment?
 40. Is the equipment free of cables, wires, or ropes which are suspended within 45 degrees of horizontal?
 41. Is the equipment free of hollow wooden or metal support posts with open ends?
 42. Is the play element age appropriate?

Table B-56: Toys and Scrap Material- Recommended baseline inspection questions.

56. TOYS AND SCRAP MATERIAL - Baseline Inspection

Recommended Inspection Questions:

1. Are toys and scrap material removed from pathways or play areas daily for cleaning or storage as required?
2. Does the toy size and design prevent choke hazards?
3. Are toys and scrap material in good condition and free of missing, broken, loose or sharp components?
4. Are toys, scrap material, and fabric cleaned and disinfected as per *AR 608-10*?

Note: For children ages 3 and younger, toys and scrap material must be cleaned and disinfected daily. For children ages 3 and older, items must be cleaned and disinfected weekly. items which cannot be cleaned must be discarded after use.

5. is the item age appropriate?

Table B-57: Tricycle and Wheeled Toy - Recommended baseline inspection questions.

57. TRICYCLE AND WHEELED TOY - Baseline Inspection

Recommended Inspection Questions:

1. is the tricycle or wheeled toy in operational condition with all hardware tight and secure?
2. Is the tricycle or wheeled toy free from sharp edges, rust, and cracked or broken components?
3. Are wheels, forks and cranks free of wobble?
4. Are tires excessively cracked?
5. Is the seat firmly attached?
6. Is the tricycle or wheeled toy removed from pathways and play areas and placed in designated storage areas when not in use?
7. Are bearings well lubricated?
8. Is the tricycle or wheeled toy age appropriate?