



SportsPlayTM
We Put the Value in Play!

INSTALLATION INSTRUCTIONS

902-501 FUNBALL

Please read the entire manual before beginning installation.

PLEASE NOTE THE FOLLOWING:**INVENTORY**

Please note that inventory should only be taken with the main Packing List that ships with each job.

LABELS

SRP will provide multiple labels in the hardware box for each order that must be installed on each piece of play equipment to comply with ASTM and CPSCIA requirements. At this time, we have the following labels:

**MANUFACTURER ID LABEL* / AGE-APPROPRIATE LABEL*
WARNING LABEL**

*Our MANUFACTURER ID labels and AGE APPROPRIATE labels that have been combined into one label. However there may still be some of the older inventory in the field where these are two separate labels.

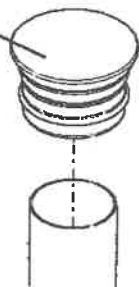
If there is only one play structure on the order, only one set of labels must be installed. However, if there is a structure, swing, spring rider, etc., each separate item must have a set of labels attached.

The WARNING label must be installed below the MANUFACTURER ID / AGE-APPROPRIATE label(s). Where possible, these labels need to be installed in a visible, protected area at approximately 4' above the surfacing.

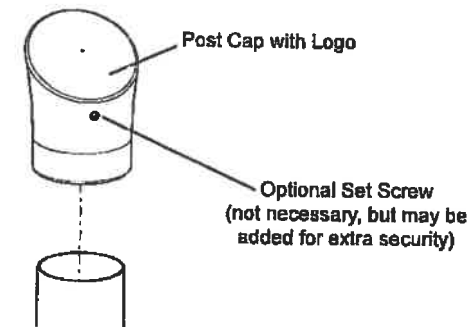
POST CAPS

Our post caps are now installed in the field. We have two different post caps, but they install nearly the same way. Set in place on post. **NOTE:** If cap has logos, make sure caps are aligned before tapping into place. **Cap will not turn after installation.** Tap into place with rubber mallet using care not to damage finish. Optional set screw may be installed on caps with logo.

Post Cap No Logo



Post Cap with Logo



STORAGE

When play equipment is received at a job site it should be installed as soon as possible (within a few days from receipt). We package the equipment to keep it safe and damage-free during shipment. However, the packaging material is not suited for periods of extended storage in an uncontrolled environment. The combination of moisture from the environment mixed with the heat generated inside the plastic bag may cause damage to the finish of the powder coated items.

If an immediate installation is not possible, certain steps should be taken to minimize the risk of damage to the equipment. If play equipment must be stored, ideally it should be kept in a controlled environment (storage container, inside building, etc...) away from heat and moisture. If this is not possible, the packaging material should be removed from the equipment, using caution so as not to damage the finish with special regard given to powder coated items.

Welcome to the world of Superior Recreational Products' modular playgrounds. Our playground equipment is engineered and designed based on the most current ASTM F1487 standard to provide a safe yet fun and challenging play environment for children that helps develop skills appropriate for specific age groups. Our playground equipment is also designed for ease of installation and maintenance so more time can be spent playing – not working!

It is very important that you read this entire manual before beginning the installation process.

We at SRP recommend that you build your modular structure in a radiating fashion. This means that you will start with a single post or deck assembly located at the core of the structure creating a central backbone to build outward from. You must erect this post or deck assembly in concrete (2,500 min psi) twenty-four hours prior to the overall build. After completing this task you will be able to radiate outward in all directions with the remaining decks, bridges, crawl tunnels, overhead events and modular components. We recommend you use the actual parts to locate the vertical post locations along with the FOOTING LAYOUT drawing provided.

There may be situations or special circumstances that will require you to use your own judgment. If you have any questions or are unsure about a situation, please contact your local Sales Representative.

Taking the time to read these instructions in their entirety will help ensure that your equipment is assembled correctly, maintained properly and enjoyed with proper adult supervision so that children can enjoy it for years to come.

PLAYGROUND SITE PREPARATION

Using the provided plan view drawing of your playground, locate all structures within your site making sure that the placement of the structures meets all required clearances.

All asphalt, concrete and other such hard debris must be removed from the entire site prior to installation.

Site must be graded as close to level as possible to create the safest possible environment for the playground. Special installation considerations must be implemented for sites that are not level.

Check local soil and drainage conditions within the site area. Proper drainage around the structures and their supports is important. Inquire with local contractors in your area for the proper recommendations.

Check with local authorities regarding building codes, permit needs, requirements, etc. before beginning installation.

Site must be isolated from hazards such as swimming pools, ponds, lakes, other bodies of water, highways, roads, drop-offs, cliffs, etc. A method to contain children must be provided that still allows for observation by supervisors. If fences are used, they should conform to local building codes and/or ASTM F-2049.

Site should be surveyed and marked for underground utilities prior to excavation.

Never leave the job site unattended without making sure that all open holes are covered with a material such as plywood. Rope off all unfinished equipment to keep the children away until the build is complete.

SAFETY AND CLEARANCE STANDARDS AND GUIDELINES

Our play equipment is engineered and designed based on the most current ASTM F1487 standard.

For information regarding public playground safety and your responsibilities as the purchaser, manager or installer of this equipment, we recommend you contact the U.S. Consumer Product Safety Commission (CPSC) for the latest copy of the Public Playground Safety Handbook. You may obtain a copy of this guidebook by contacting the CPSC at 800-638-2772, or by visiting their website at www.cpsc.gov.

The playground area, both around and underneath the structure, must be covered with impact attenuating surfacing material. The surfacing material used should have a Critical Height Value of at least the height of the highest designated play surface on the equipment. The critical height for surfacing is to be rated in accordance with the most current version of ASTM F1292. To purchase a copy of ASTM F1292, Standard specification for impact attenuation of surface systems under and around playground equipment, contact American Society for Testing and Materials (ASTM) by calling 610-832-9585, or by visiting their website at: www.astm.org. This information is also given in the Public Playground Safety Handbook. Additional considerations for protective surfacing materials are given as well.

Acceptable playground surfacing materials are available in two basic types: unitary or loose-fill. Contact the manufacturer of unitary surfacing materials (rubber matting) for the critical height rating for their products. If loose-fill surfacing materials are used, please refer to the Public Playground Safety Handbook published by the CPSC for critical height values for tested materials. We at SRP recommend a minimum depth of 12" for our play equipment.

Never add components that are not approved by SRP.

If relocation of any equipment is desired that differs from the drawings and/or site plan that was provided, prior written approval from SRP must be obtained. Failure to do so may create a dangerous play environment for children.

If individual pieces of equipment are ordered as parts only (without being placed in a site plan drawing), it is the responsibility of the customer/installer to determine the appropriate use zone needed for that equipment. Contact your local sales representative to get this information. If you have any doubt about the correct placement of any piece of equipment, please contact your sales representative or SRP to get clarification.

Unless specified otherwise, the fall height of a piece of equipment is the distance between the highest designated playing surface and the protective surfacing beneath it. Overhead equipment is from the highest part of the equipment to the surfacing.

The use zone for play equipment should extend a minimum of 6' in all directions from the perimeter of the equipment. Several items require more. Some items may share a use zone and some may not. It depends on the type of equipment. Use zones also vary if the equipment is over or under a certain height, or if it is designed to be used while standing or sitting. Some items such as equipment that is intended for a user to maintain contact with the ground during play have no use zones.

Use zones of the play equipment will be shown in the plan view drawing and must be adhered to. The fall height of the equipment will also be given in the drawing. The critical height of your surfacing must ALWAYS be greater than the fall height of the equipment.

If you purchase equipment without a site plan, we STRONGLY urge you to enlist the services of a CPSI to determine the correct use zone for each piece of equipment.

INSTALLATION GUIDELINES

Excavate holes in accordance with footing drawing. If the site cannot be graded level, adjust the depth of footings to maintain a level footing base. If soil conditions are loose or unstable, a larger diameter footing may be required.

As mentioned earlier, we recommend that the equipment be built in a radiating fashion from a central post. After verifying equipment will fit in area as shown on drawings, locate and set central post in concrete. Allow concrete to harden at least 24 hours before adding additional posts, decks and components. Assemble the entire structure before pouring the rest of the concrete, using the equipment to place vertical posts (verify using footing drawing). This will be the procedure unless otherwise instructed per the individual instruction. Concrete with a minimum psi of 2,500 must be used, and should be mixed in accordance with manufacturer's specifications.

Never leave the installation site unattended without making sure that all fastening hardware on all equipment is tight. Failure to do so may result in injury or component damage.

All installation areas should be roped off with clearly marked warning signs posted. Even during installation, it has been found that children will use unattended equipment - thereby risking accidents. Do not attach swing chains, exercise rings, or similar moving components until entire construction is complete and safety surfacing is in place. Remember that any equipment which appears to be complete will invite unauthorized usage regardless of its actual state of readiness.

Keep installation site roped off for at least 48 hours before equipment usage to allow concrete to harden.

SRP recommends you have a Certified Playground Safety Inspector (CPSI) on site during installation. At a minimum, your structure should be audited by a CPSI after surfacing is placed and prior to use by children.

PRE-INSTALLATION CHECK

Compare all items received to the main BOM/packing list. Notify your sales representative immediately if any parts are missing or damaged. **We are not responsible for items discovered missing or damaged after 72 hours from time of delivery!**

COMMON INSTALLATION TOOLS

- A) 9/16" Wrench
- B) Wheelbarrow (to mix concrete)
- C) High Speed 3/8" Electric Drill w/clutch with 1/4" and 1/2" Bits
- D) String Level, Magnetic Level, 4' Level
- E) Large Flat Head Screwdriver
- F) Mallet
- G) Hack Saw
- H) Impact Gun
- I) Shovel / Post Hole Digger / Auger
- J) Pry Bar
- K) Tape Measure
- L) 3/16" and 1/4" Allen Head Wrench
- M) T-45 TORX Tool (supplied by SRP)
- N) T-30 TORX Tool (supplied by SRP)

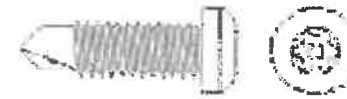
STANDARD HARDWARE

Security TORX Bolt

3/8"x1"
3/8"x1-1/2"
3/8"x1-3/4"
3/8"x2-1/2"



Head Profile

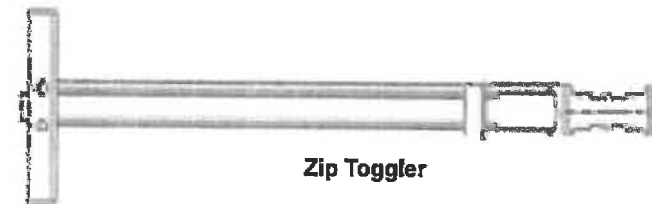


Security Self Drill/Tap Screw
1/4"x1"

Head Profile



Wafer Bolt
1/4"x1-3/4"



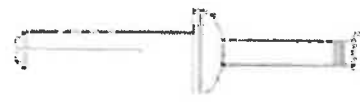
Zip Toggler



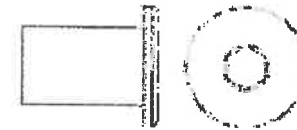
Allen Button Head Bolt



Set Screw



1/4" Drive Pin



5/16"x3/4" Allen Barrel Nut



5/16" Female Insert



3/8"x1/2" Round Weld Nut



3/8"x1/2" Rectangular Weld Nut



Standard Nut



5/8"x2-3/4" Allen Carriage Bolt



Head Profile



5/8" Nylock Nut



Domed Lock Washer



Flat Washer

IN-GROUND MOUNT

Any components that require a footing (vertical post, slide foot, climbers, etc.) are sent at a length to accommodate 12" of surfacing material. If a different depth of surfacing will be used, modifications need to be made (EXAMPLE: If only 8" of surfacing material will be used, posts or legs will either need to be cut down 4" or footings will need to be dug 4" deeper).

When concrete is poured in footing, 4" of space needs to be left at the top to allow for backfill of sub-grade.

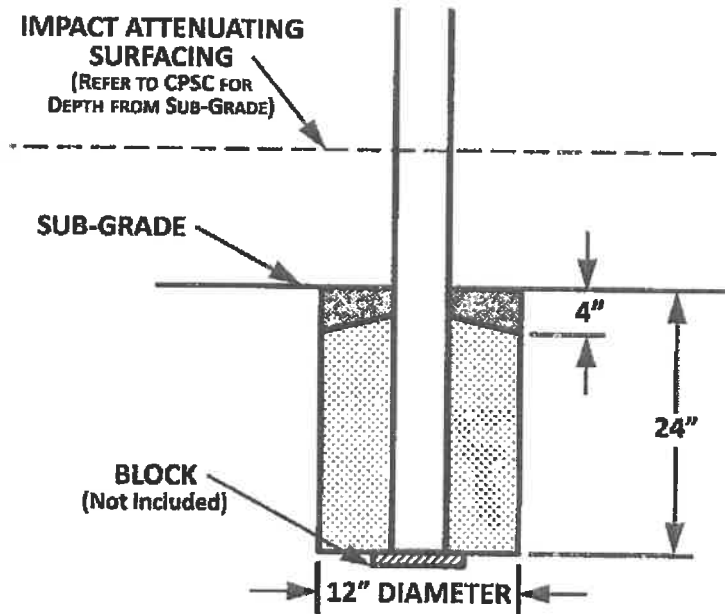
Any components that require a footing (vertical post, slide foot, climbers, etc.) are sent at a length to accommodate a specific deck height. If deck height is modified from standard, modifications need to be made to the part (EXAMPLE: If a component is made for a 72" deck height, but is being used on a 68" deck height, posts or legs will need to be cut down 4" -- plus any additional adjustments for surfacing as described above).

Most climbers are manufactured for specific deck heights. (EXAMPLE: A coil climber is manufactured for a 24", 36", 48", 60", 72", 84" and 96" deck height instead of only one "standard" deck height).

With the exception of the first central post and Bubble Wall Climbers, all equipment should be put together first and leveled before concrete is poured in footings.

**** Always refer to each individual Installation Guideline for the most current footing information. ****

Concrete must have a minimum rating of 2,500 psi and must be mixed per manufacturer's recommendations. Allow concrete to harden for at least 48 hours before equipment usage! NOTE: One 80# bag of concrete yields approximately 0.60 cubic feet.



IN-GROUND MOUNT -- 12" x 24"

Vertical posts in a structure (3.5, 5" and recycled posts), Lily Pad Climber, Bongo Steps, Sand and Water Table, Lily Pad Bridge Feet, Firestation Climber, Ground to Deck Stair Handrails
(uses 1.57 cubic feet of concrete per footing)

**** Always refer to each individual Installation Guideline for the most current footing information. ****

SUPERVISION GUIDELINES

Even playgrounds that are designed, installed and maintained in accordance with safety guidelines and standards can still present hazards to children in the absence of adequate supervision.

Because all playgrounds present some challenge and because children can be expected to use equipment in unintended and unexpected ways, adult supervision is highly recommended.

Not all playground equipment is appropriate for all children who may use the playground. Direct children to age-appropriate activities.

Supervisors should be aware that the playground equipment is designed based on the most current version of ASTM standard F1487. The age-appropriateness of the equipment is also set based on this standard. The range of users encompassed by this consumer safety performance specification is the 5th percentile 2-year-old through the 95th percentile 12-year-old.

It is important to recognize that preschool-age children require more attentive supervision on playground equipment than older children.

Following these recommendations will help minimize accidents and injury to children while playing, but will not eliminate them entirely.

Always remember that hazards can be eliminated - but risk can not.

Supervisors should understand the basics of playground safety such as:

- Checking for broken equipment and making sure children don't play on it.
- Checking for and removing unsafe modifications, especially ropes tied to equipment before letting children play.
- Checking for properly maintained protective surfacing.
- Making sure children are wearing proper footwear.
- Watching and stopping dangerous horseplay, such as children throwing protective surface materials, jumping from heights, etc.
- Watching for and stopping children from wandering away from the play area.
- Not permitting the use of wet playground equipment. Wet equipment will not provide the necessary traction and gripping capability. Slips or falls may occur.
- Constantly observing play patterns to note possible hazardous play and overcrowding on playground equipment.
- Making sure children do not wear loose clothing, hoods, drawstrings or jewelry while on the playground equipment. These items could pose a strangulation/entanglement hazard.
- Checking to see that play surfaces are at an acceptable temperature before allowing children to play on them.

Triple Toss Funnel Goal - 3 1/2" Galvanized Post •

Playgrounds

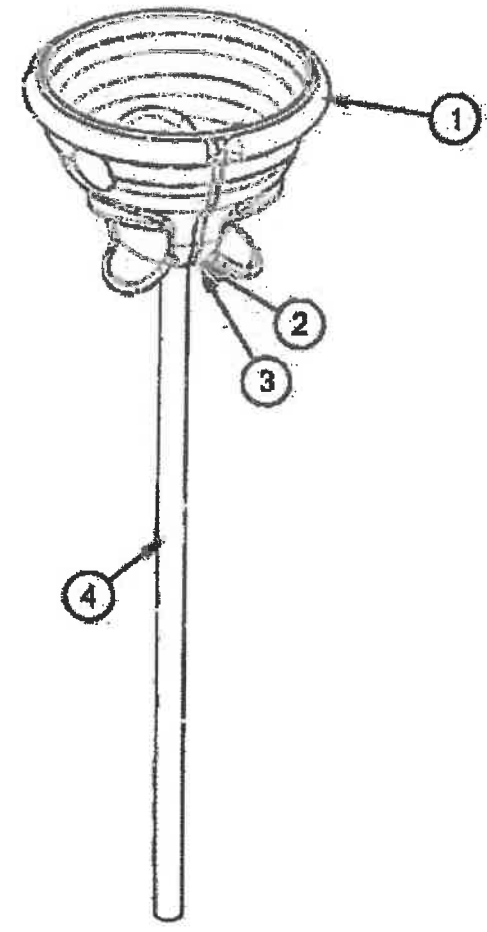
INSTALLATION GUIDELINE

USER GROUP: 2-5 Years, 5-12 Years
RECOMMENDED CREW: 1 Person
TOOLS REQUIRED:

- TT-30 Torx (Included)
- Level, Square
- Auger / Post Hole Digger / Shovel
- Drill Bits: None
- High Speed 3/8" Electric Drill with Clutch

NOTE: Use of any other driver may result in damage to tool and/or hardware!
INSTALLATION TIME: 1 Hour
WEIGHT: 79 lbs.
CONCRETE REQUIRED: (2.2) 80lb. bags - 1.3 ft³
NOTE: Concrete must have a minimum rating of 2,500 psi and must be mixed per manufacturer's recommendations.

ITEM	Part No.	QTY	DESCRIPTION
1	TRT-03	1	RotoMolded Triple Toss Plastic
2	HWS0308	3	Screw 1/4"-20 x 2" SS TORX Self Tapping w/Patch SS
3	HWWR0114	3	Washer 5/16" ID x 3/4" OD x .05" thick Flat 300 SER
4	01415	1	Triple Toss 3 1/2" Galv 108" Post
5	HWM0129	1	Driver bit T-30 TORX SECURITY w/BARREL HOOD 2



PRE-INSTALLATION CHECK:
 Customer is responsible for verifying materials received by comparing received items with packing list. If any parts are missing or damaged, contact your local sales representative immediately.

Supplier is not responsible for items discovered missing after 72 hours from time of delivery.

Before beginning installation, all installers must read and understand the Installation Introduction manual as supplied. If you did not receive a copy, or if you have any questions regarding any information in the Installation Instructions or this Installation Guideline, contact your local sales representative.

Triple Toss Funnel Goal - 3½" Galvanized Post •

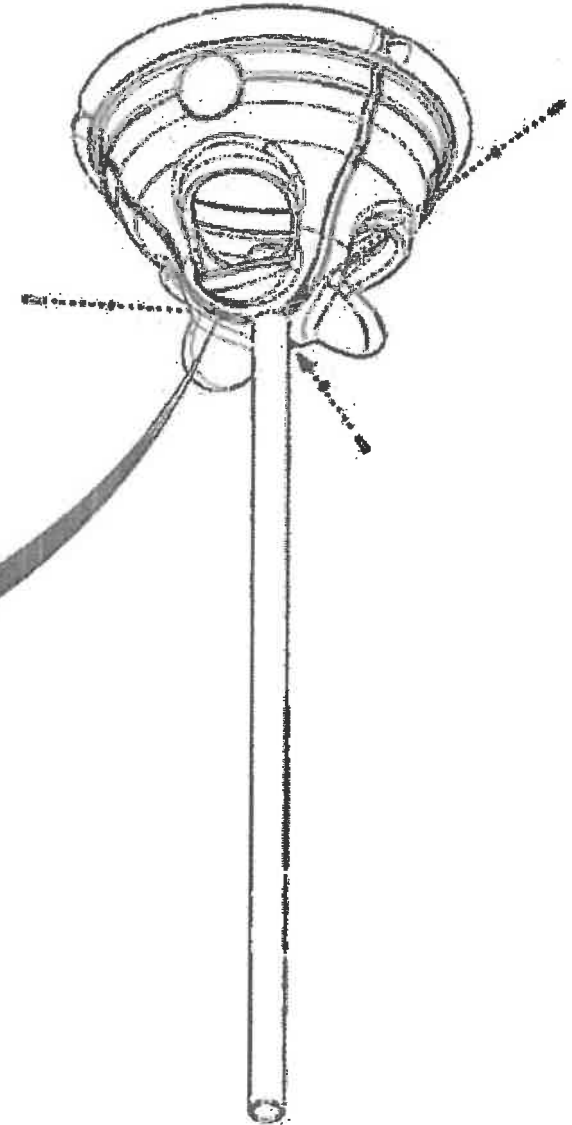
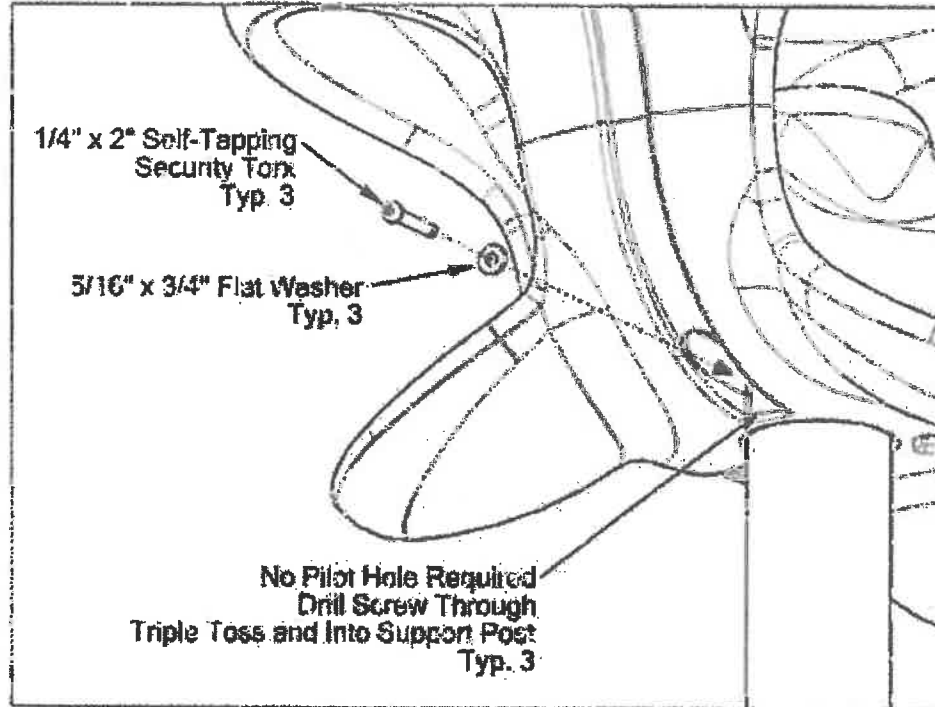
Playgrounds

INSTALLATION GUIDELINE

STEP 1

Mount molded triple toss on top of support post. Insert support post into bottom of molded triple toss. End of support post should be flush against bottom of triple toss. Ensure triple toss is square with support post. Place one (1) 5/16" x 3/4" flat washer onto one (1) 1/4" x 2" self-tapping security Torx and secure through triple toss into support post. Pilot holes are not required. See Detail 1-1. Repeat for two (2) additional connections.

Detail 1-1



Triple Toss Funnel Goal - 3 1/2" Galvanized Post •

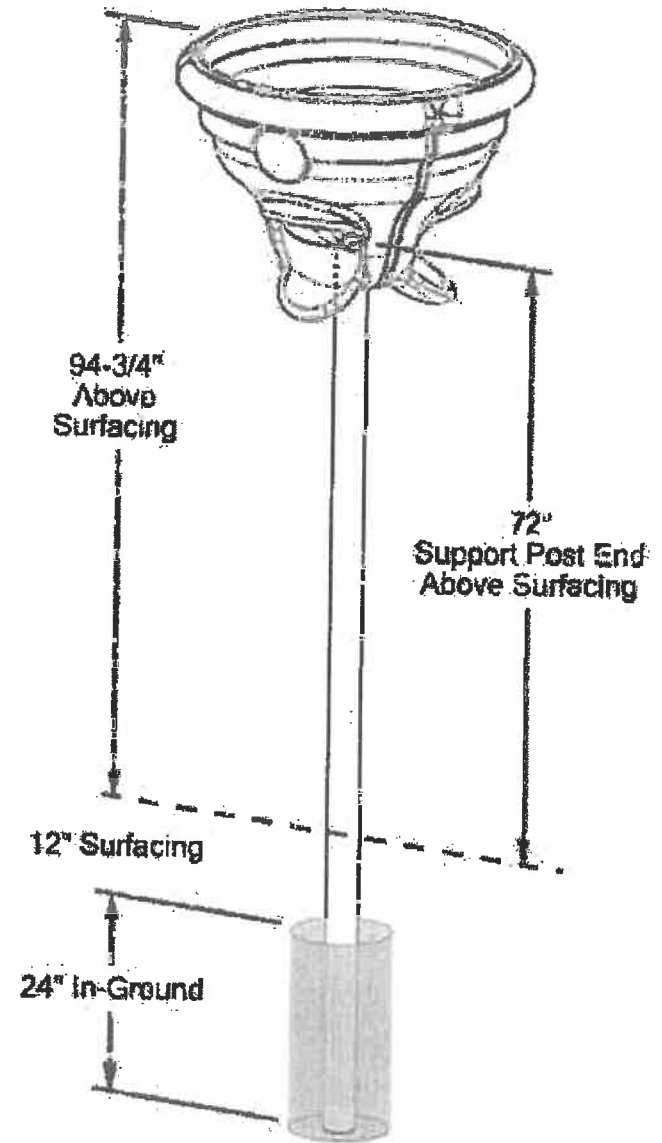
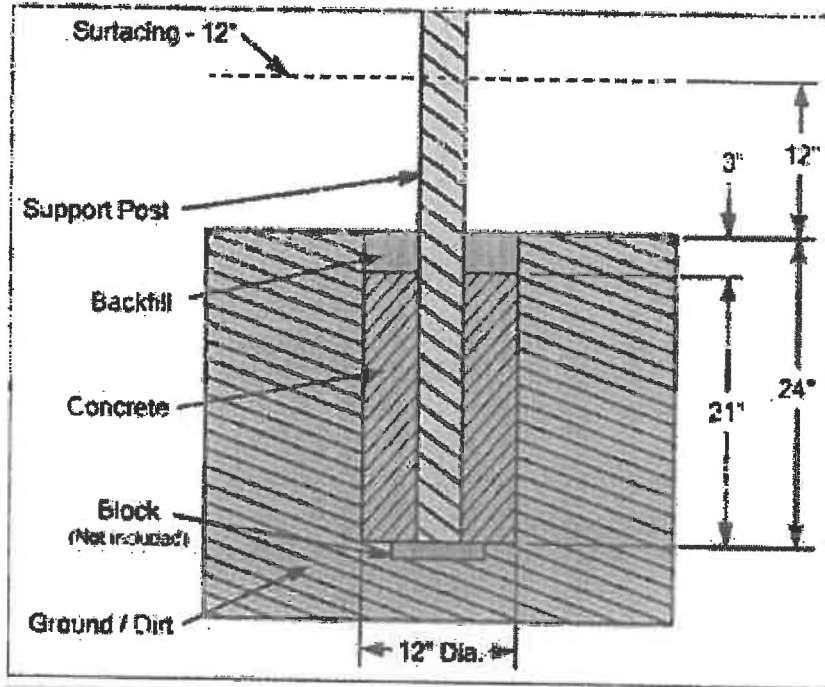
Playgrounds

INSTALLATION GUIDELINE

STEP 2

Set support post. Refer to the site plan drawing and site elevation drawing for placement of all support posts. Installer is responsible for proper location of all support posts. Footing hole for support post must be 12" diameter and 24" deep plus 12" surfacing. If surfacing is less than 12", adjust footing hole depth as needed. Place one block (not included) into bottom of footing hole. Place support post into footing hole and plumb. Fill footing hole with concrete to within 3" from ground surface. Allow concrete to cure based upon manufacturer's instructions. Sackfill footing hole with dirt, flush with grade. See Detail 2-1. Check all connections and ensure structure is stable. All concrete must be fully cured before use of structure. Installation is complete. Place one (1) Age Appropriate Sticker on structure in a clearly visible location.

Detail 2-1



MAINTENANCE

Surfacing should be checked regularly to ensure surfacing has not displaced significantly, particularly in areas of the playground most subject to displacement (heavy traffic areas). Displaced loose-fill surfacing should be raked back into proper place so that a constant depth is maintained throughout the playground area.

Key points to look for during regular checks of surfacing:

- Areas under swings and at slide exits. Activity in these areas tend to displace surfacing quickly. Rake loose-fill surfacing back in place.
- Pooling water on mulch surfacing. Wet mulch compacts faster than dry, fluffy mulch. If puddles are noticed regularly, consider addressing drainage issues.
- Frozen surfacing. Most loose-fill surfacing that freezes solid no longer functions as protective surfacing. Even if the first few inches are loose, the base layer may be frozen and the impact attenuation of the surfacing may be significantly reduced.

SRP does not manufacture loose-fill surfacing materials and is only providing the above information as an added measure of safety. Please contact the manufacturer of the surfacing for recommended maintenance and inspection requirements. The checklist on the following pages is intended to address general maintenance concerns. It does not provide a complete safety evaluation of the playground equipment such as risk of falls from equipment or moving impact incidents. Also, please be aware that playgrounds that are designed, installed and maintained in accordance with safety guidelines and standards can still present hazards to children in the absence of adequate supervision.

MAINTENANCE

An inspection and maintenance program is a requirement of playground ownership. Whether you have multiple large facilities with numerous equipment or one piece of equipment or fall somewhere in between, it is your responsibility as a playground owner/operator to inspect and maintain your equipment. Because the safety of playground equipment and its suitability for use depend on good inspection and maintenance, a comprehensive maintenance program for each playground must be developed and strictly followed. All playground areas and equipment should be inspected frequently for potential hazards, paying special attention to moving parts and other components which can be expected to wear. Inspections should be carried out in a systematic manner by trained personnel familiar with the playground area, such as maintenance workers, playground supervisors, etc. Inspections alone do not constitute a comprehensive maintenance program. Any damaged or worn parts, or any other hazards identified during inspection must be repaired or replaced before allowing children to use the playground equipment.

Implementing an inspection and maintenance program is of the utmost importance and requires the full cooperation from the owner down to the playground supervisors. The importance of this program should be understood and supported by all members of administration, maintenance and the inspection staff as well as the playground supervisors. All information pertaining to the equipment should be kept on file (e.g., manufacturer of equipment, sales representative information, sales brochures, date of purchase, sales paperwork, shipping paperwork, drawings, bill of materials/packing list, installation instructions, date of installation, installer information, warranty information, etc.). A record of any accident or injury reported to have occurred on the playground equipment should also be retained.

The frequency of inspection and maintenance will be determined by several factors, such as the amount of use the equipment receives, the age of the children playing on the equipment, the age of the equipment and the area in which the equipment is installed. However, the more the equipment is inspected, the better the chances of finding and correcting any potential problems. A recorded inspection schedule should be adhered to and a copy signed and kept on file. New sites and equipment should be added to the inspection schedule. Training must be an ongoing commitment. The inspection report will serve as a report card against your audit and action plan. The audit will continue to play a major role in the inspection and maintenance program by measuring progress using statistics, actions taken and actions recommended.

We recommend that you enlist the services of a Certified Playground Safety Inspector to assist you with auditing your equipment and developing an inspection and maintenance plan to suit your individual needs. He or she will also be able to assist in the development of short term plans as well as long term plans in response to equipment that is broken, damaged, missing, vandalized, worn, etc.

The checklist on the following pages is intended to address general maintenance concerns. It does not provide a complete safety evaluation of the playground equipment such as risk of falls from equipment or moving impact incidents. Also, please be aware that playgrounds that are designed, installed and maintained in accordance with safety guidelines and standards can still present hazards to children in the absence of adequate supervision. If the checklist on the following pages meets your needs, please make several copies before marking on the pages. This checklist is yours to modify as you determine best for your equipment.

MAINTENANCE CHECKLIST

Surfacing

- Adequate protective surfacing under and around the equipment
 - Install/replace/surfacing
- Surfacing materials have not deteriorated
 - Replace surfacing
 - Other maintenance: _____
- Surfacing materials contain no foreign objects or debris
 - Remove trash and/or debris
- Loose-fill surfacing materials are not compacted
 - Rake and fluff surfacing
- Loose fill surfacing materials have not been displaced under heavy use areas, such as under swings or at slide exits
 - Rake and fluff surfacing

General Hazards

- There are no sharp points, corners or edges on the equipment
- There are no missing or damaged protective caps or plugs
- There are no hazardous protrusions
- There are no potential clothing entanglement hazards such as open S-hooks or protruding bolts
- There are no crush and shearing points on exposed moving parts
- There are no trip hazards such as exposed footings or anchoring devices and rocks, roots or any other obstacles in a use zone
 - Recover exposed footings or anchoring devices
 - Remove rocks, roots or other debris

Drainage

- The entire play area (inside equipment as well as surrounding area) has satisfactory drainage, especially in heavy use areas such as under swings or at slide exits
 - Improve drainage
 - Add drain holes
 - Other maintenance: _____

Security of Hardware

- There are no loose fastening devices or worn connections
 - Replace fasteners
 - Other maintenance: _____
- Moving parts such as swing hangers, bearings and track rides are not worn
 - Replace part
 - Other maintenance: _____

General Upkeep of Playgrounds

- There are no user modifications to the equipment, such as strings or ropes tied to the equipment, swings looped over top rails, etc.
 - Remove string or rope
 - Correct other modification
- The entire playground area (inside equipment as well as surrounding area) is free from debris or litter such as tree branches, soda cans, bottles, animal feces, glass, etc.
 - Clean playground area and remove debris
- There are no missing trash receptacles
 - Replace trash receptacles
- Trash receptacles are not full
 - Empty trash receptacles
- All play structures should have a legible Manufacturer's ID label installed.
 - Install new label

MAINTENANCE CHECKLIST

Paint

- Paint is not peeling, cracking, chipping or chalking
- Sand area and repaint with provided touch-up paint

Durability of Equipment

- There is/are no rust, cracks, splits, splinters or any other damage to the play equipment.
 - Repair damage
 - Order replacement part
 - Other maintenance: _____
- There are no broken or missing components on the equipment (e.g. handrails, guardrails, barriers, steps, rungs)
 - Repair damage
 - Order replacement part
 - Other maintenance: _____
- There are no damaged fences, benches or signs on the playground
 - Repair damage
 - Order replacement part
 - Other maintenance: _____
- All equipment is securely anchored
 - Anchor equipment
- Equipment is sturdy and not easily swayed
- Check equipment for signs of tilting and/or sinking by checking alignment of major support posts, beams, platforms, etc.
- Check windows/domes/bubbles/mirrors for signs of wear, cracks or discoloration

Signature _____ Date _____

Action Taken _____