

Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 ONE CAPITOL HILL
 PROVIDENCE RI 02908

CREATION DATE : 20-FEB-13
 BID NUMBER: 7461248,
 TITLE: PROVIDE AND INSTALL NEW PLAY GROUND
 EQUIPMENT FOR MISQUAMICUT STATE BEACH

BID CLOSING DATE AND TIME: 07-MAR-2013 10:15:00

BUYER: Gill, Raymond E Jr
 PHONE #: 401-574-8466

B
I
L
L
L
T
O

DOA CONTROLLER
 ONE CAPITOL HILL, 4TH FLOOR
 SMITH ST
 PROVIDENCE, RI 02908
 US

S
H
I
P
T
O

DEM DIV OF PARKS AND RECREATION
 2321 HARTFORD AVENUE
 JOHNSTON, RI 02919
 US

Requisition Number: 1301010

Note to Bidders:

BIDDERS ARE REQUIRED TO SUBMIT A COPY OF MANUFACTURERS SPECIFICATIONS FOR EQUIPMENT TO BE SUPPLIED WITH THEIR BID.

Line	Description	Quantity	Unit	Unit Price	Total
1	PLAYBOOSTER PLAYSTRUCTURE MODEL MEO12576 & #152179 SADDLE SPINNER OR EQUAL	1.00	Each		
2	SWINGS	1.00	Each		
3	INSTALLATION	1.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer



State of Rhode Island
Department of Administration / Division of Purchases
One Capitol Hill, Providence, Rhode Island 02908-5855
Tel: (401) 574-8100 Fax: (401) 574-8387

**RFQ 7461248
PLAYGROUND EQUIPMENT AND INSTALLATION**

IF YOUR BID IS EQUAL TO OR EXCEEDS \$50,000 YOU MUST SUBMIT A BID BOND WITH YOUR BID PROPOSAL. YOU WILL ALSO BE REQUIRED TO PROVIDE SURETY IF AWARDED A PURCHASE ORDER.

THIS THIRD-PARTY LINK WWW.WDOL.GOV/DBA_ASPX#0 IS PROVIDED AS A COURTESY TO POTENTIAL VENDORS FOR GUIDANCE PURPOSES ONLY. THE DIVISION OF PURCHASES IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED ON THIS WEBSITE OR ANY THIRD-PARTY WEBSITE. ANY AND ALL VENDORS SUBMITTING PROPOSALS IN RESPONSE TO THIS SOLICITATION BEAR THE SOLE RESPONSIBILITY AND BURDEN TO SUBMIT PROPOSALS THAT ARE BASED ON ACCURATE INFORMATION AND ARE IN COMPLIANCE WITH LAW.

QUESTIONS CONCERNING THIS SOLICITATION MAY BE E-MAILED TO THE DIVISION OF PURCHASES AT Raymond.gill@purchasing.ri.gov NO LATER THAN 02-22-2013 @ 12:00 NOON (EASTERN). PLEASE REFERENCE THE RFP/BID NUMBER ON ALL CORRESPONDENCE. QUESTIONS SHOULD BE SUBMITTED IN A MICROSOFT WORD ATTACHMENT. ANSWERS TO QUESTIONS RECEIVED, IF ANY, WILL BE POSTED ON THE INTERNET AS AN ADDENDUM TO THIS SOLICITATION (WWW.PURCHASING.RI.GOV). IT IS THE RESPONSIBILITY OF ALL INTERESTED PARTIES TO DOWNLOAD THIS INFORMATION.

Misquamicut State Beach, Westerly, RI

General Specifications:

Each bidder shall utilize the manufacturer specified as a baseline for quality and durability desired by owner or owner's representative. It is the bidder's responsibility to provide all necessary plans, details, elevations, specifications documenting that their equipment is "equal".

The following specifications were developed to ensure the purchase of safe, durable and age appropriate playground equipment. Bidder must pay strict attention to providing these three criteria in playground design. It must also be the intent of the bidder to provide equal type and number of components as per specifications at deck heights as closely as possible or exactly meeting specifications.

Material: All materials shall be structurally sound and suitable for safe play. Durability shall be ensured on all steel parts by the use of time-tested coatings such as zinc plating, galvanizing, ProShield finish, PVC-coating, etc. Available colors shall be specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F879 unless otherwise indicated. All primary fasteners shall include a locking patch-type material that will meet the minimum torque Requirements of IFI-125. Manufacturer to provide special tools for pinned tamperproof fasteners.

PVC Coating: Metal components to be PVC-coated shall be thoroughly cleaned in a hot phosphatizing pressure washer, and then primed with a water-based thermosetting solution. Primed parts shall be preheated prior to dipping in UV-stabilized, liquid polyvinyl chloride (PVC), then salt cured at approximately 400 degrees. The finished coating shall be approximately .080" thick at 85 durometer hardness and have a matte finish. Five standard colors shall be available.

ProShield Finish: All metal components shall have a ProShield finish and shall be thoroughly cleaned and phosphatized through a five-stage power washer. Parts must then be thoroughly dried, preheated and processed through a set of automatic powder spray guns where a minimum .002" of epoxy primer is applied. The parts must be allowed to cool and then pass through a second set of automatic powder spray guns. A minimum .004" of architectural-grade Super-Durable polyester TGIC powder must be applied. The parts must be oven-cured at 400 degrees F metal temperature for 10-minutes. The average ProShield film thickness is .006". **Standard TGIC polyester powdercoat or any other finish product is not acceptable. ProShield is specifically important in this application due to proximity to Salt Air.** Twenty Six standard colors shall be available.

ProShield is formulated and tested per the following ASTM standards. Each color must meet or exceed the ratings listed below:

Hardness (D3363) rating 2H

Impact (D2794) rating minimum 80 inch-pounds
Salt Fog Resistance (B117 and D1654) 4,000 hours and rating 7 or greater
UV Exposure (G154, 340 bulb) 3,000 hours, rating delta E of 2, and
90 percent gloss retention
Adhesion (D3359, Method B) rating 5B

The Paint Line shall employ a "checkered" adhesion test daily.
Eighteen standard colors shall be available.

Footings: Unless otherwise specified, the bury on all footings shall be 34" below Finished Grade (FG) on all in-ground play events/posts.

Welds: For maximum structural strength, durability and user safety, the manufacturer must provide documented proof of a minimum four year continuous program of annual welding procedure competency. Welder effectiveness must be certified by annual testing on all base metals per American Welding Society AWS QC5-91 guidelines.

100% of all exposed surfaces must be primed with an epoxy after welding to prevent corrosion (coating the welded areas only is unacceptable).

Manufacturer will use laser precision cut coped and complete joint welds (spot welds are unacceptable) to create stronger, cleaner joints that are able to withstand constant use and varying weight loads.

Hardware Packages: All shipments shall include individual component-specific hardware packages. Each hardware package shall be labeled with the part number, description, a component diagram showing the appropriate component, package weight, a bar code linking the hardware package to the job number, assembler's name, date and time the package was assembled, work center number, and work order number.

Installation Documentation: All shipments shall include a notebook or packet of order-specific, step-by-step instructions for assembly of each component, including equipment assembly diagrams, estimated hours for assembly, footing dimensions, concrete quantity for direct bury components, fall height information, area required information and detailed material specifications.

Packing List: All shipments shall include a packing list for each skid/container, specifying the part numbers and quantities on each skid or within each container.

Packaging: All posts shall be individually packaged in sturdy, water-resistant, mar-resistant cardboard boxes. Other components shall be individually wrapped or bulk wrapped to provide protection during shipment. Small parts and hardware packages will be placed in crates for shipment. The components and crates are then shrink-wrapped to skids (pallets) to ensure secure shipping. **It will be unacceptable for parts and pieces to come loose.**

Shipping: Equipment shall be delivered on a flat-bed truck directly from factory to site to best allow ease of offloading and to best prevent multiple unloading and loading of equipment at various terminals.

Maintenance Kit: An order-specific maintenance kit shall be provided for each structure order. The kit shall include the following:

- 1) A notebook or packet with a second set of installation documents
- 2) Order-specific maintenance documentation with recommendations on how often to inspect, what to look for and what to do to keep the equipment in like-new condition.
- 3) Touch-up primer
- 4) Appropriate color touch-up paint
- 5) Sandpaper
- 6) Appropriate color touch-up PVC
- 7) Graffiti remover
- 8) Additional installation tools for the tamperproof fasteners.

Warranty: You have our word.

More than just a contract, our warranty is our personal commitment that you'll be satisfied with your purchase and well into the future. As an employee-owned company we take great pride in the quality of everything we make. And we're so confident that you'll be delighted with your purchase that we back our products with the most comprehensive long-term warranties in the industry. It's just one more way that we show how much we care about our customers and communities.

100-YEAR LIMITED WARRANTY

On all PlayBooster®, PlayShaper® and PlaySense® aluminum posts, stainless steel fasteners, clamps, beams and caps, against structural failure due to corrosion/natural deterioration or manufacturing defects, and on PlayBooster, Evos™ and Weevos™ steel posts and arches against structural failure due to material or manufacturing defects.

15-YEAR LIMITED WARRANTY

On all plastic components (including TuffTimbers™ edging), all steel components (except 100-year steel posts), Mobius® climbers, decks, TenderTuff™ coatings (except Wiggle Ladders, Chain Ladders and Swing Chain) against structural failure due to material or manufacturing defects. TuffTurf® tiles against material or manufacturing defects. Berliner® cable on Aeronet™ climbers against breakage.

10-YEAR LIMITED WARRANTY

On Natural Elements™ climbers (exterior GFRC and epoxy theme-coating material) against structural failure due to natural deterioration or manufacturing defects. Does not cover minor chips, hairline cracks or efflorescence.

On Aeronet climbers against natural deterioration or manufacturing defects.

3-YEAR LIMITED WARRANTY

On all other parts, i.e.: CableCore® products, swing seats and hangers, grills, Mobius climber handholds, Wiggle Ladders, Chain Ladders and Swing Chain, Track Ride trolleys and bumpers, all rocking equipment including Sway Fun® gliders, PVC belting material, HealthBeat™ hydraulic cylinders, Seesaws, Wiggle Ring Bridge, etc., against failure due to corrosion/natural deterioration or manufacturing defects.

This warranty does not include any cosmetic issues or wear and tear from normal use. It is valid only if the playstructures and/or equipment are erected to conform with Landscape Structures' installation instructions and maintained according to the maintenance procedures furnished by Landscape Structures Inc. For a full text of the warranty, contact your playground consultant. IPEMA™ is a trademark of the International Play Equipment Manufacturers Association.

Bid Submission to include the following:

A full text of the warranty must accompany the bid. Warranties may not be expressed as "Life-Time" but must be expressed in specific years.

Drawing Submittals: A scaled plan view drawing and individual component shop drawings per structure must be provided at time of submittal process.

A project specific Maintenance Kit must be included in bid submission.

Samples: At request of client, bidders shall submit samples including but not limited to posts, clamps, rotationally molded plastics and 100% post-consumer recycled planks.

Product Literature: Current 2013 Catalog and any other supporting brochures

Full Color, 3-Dimensional Drawing of Complete Playground Layout

Proof of a minimum of 25 years playground manufacturing experience

Certifications and Qualifications:

All play equipment must meet the following requirements, guidelines and specifications:

- A. **American Society for Testing and Materials (ASTM F 1487-07ae1) Standard Consumer Safety Performance Specifications for Playground Equipment for Public Use.** Certification that all equipment meets the ASTM-F 1487-07ae1 performance specifications are mandatory and required for approval by the Owner, Project Architect and or Engineer or Owners appointed representative. All Playground Equipment Certification submittals to be as follows:

The International Play Equipment Manufacturers Association (IPEMA) third party certification program that certifies manufactures compliance to ASTM F 1487-07ae1. ALL individual play COMPONENTS that make up a composite structure must individually certified by IPEMA. All individual equipment

must be certified by IPEMA. IPEMA certification is required for Owners/Architects review prior to approval of any play equipment. Submission of detailed drawings with IPEMA Certification Seal and the following stated below the seal is required: The play components identified on this plan are IPEMA certified. The use and layout of these components conform to the requirements of ASTM F 1487-07ae1. Manufacturers' membership in IPEMA does not constitute equipment certification and approval for use. Proposed equipment must meet the above criteria for review and approval for use.

B. U.S. Consumer Product Safety Commission- Handbook for Public Playground Safety Publication NO. 325

C. Manufacturers of play equipment must have the following certifications:

1. The International Organization for Standardization (ISO)
 - i. ISO 9001 – Quality Standards certifying manufacturers processes
 - ii. ISO 14001 - Standards for Environmental Protection and Natural Resource Preservation.
 - iii. Certification of all ISO Standards are required and must be submitted for review by owners representative or Architect.
 - iv. All Playground equipment provided must be manufactured by companies who are currently ISO certified per the above standards. Both ISO 9001 and 14001 are required.

D. The Americans with Disabilities Act (ADA) – Current Americans with Disabilities Act Architectural Guidelines (ADAAG) as set forth in the Federal Register. All playground equipment both independent and composite structures shall meet the current standards as developed by the Federal Access Board. All manufactures must provide certification that proposed equipment meet or exceed the ADAAG guidelines.

Manufacturers of Play equipment must provide drawings that include the following:

1. Manufacturers statement that proposed equipment conforms to the ADA Accessibility Guidelines (ADAAG)
2. Breakdown of playground components certifying compliance to the ADAAG guidelines as follows:
 - i. Total elevated play components
 - ii. Total elevated components accessible by ramp as proposed. Total elevated components required.
 - iii. Total elevated components accessible by transfer as proposed. Total elevated components required.
 - iv. Total accessible ground level components as proposed. Total accessible ground level components required

E. Recycled and Reclaimed Materials Requirements – Play equipment materials and all components must meet or exceed the following recycled/reclaimed materials contents percentages. Manufacturers must provide written certification as to compliance to these requirements.

<i>Materials Used</i>	<i>Common Products Used</i>	<i>% Used</i>	<i>Recyclable</i>	<i>% Pre-Consumer</i>	<i>% Post-Consumer</i>	<i>Total Recycled</i>
Aluminum	Playstructures Posts, Scoop Buckets, Steering Wheel, Spring Riders, Trackrides	100%	Yes	90-100%	0%	90-100%
Aluminum Die Casting	Post Caps, Clamps	100%	Yes	0%	90%	90%
Steel Tubing	PVC Coated Tubing, Vertical Ladders, Rollerslide Rollers	100%	Yes	0%	100%	100%
Steel Sheet & Plate	Decks, Ramps, Brackets, Flanges	100%	Yes	20-30%	0-30%	20-30%
Steel Wire	Wire Barriers, Wire Tunnels	100%	Yes	0%	100%	100%
Recycled Plastic	Plastic Benches, Peak Roof, PV strip, Plastic Decks and Walls	90%	Yes	0%	100%	90%
Injection Molded Plastic	Bottom Post, Caps, Dowell Pins	100%	Yes	0%	100%	100%
Rotationally Molded Plastic	Slides, Roofs, and Hoods	100%	Yes	0%	100%	0%
Compression Molded Plastic	Activity Panels, Handholds	100%	Yes	0%	0%	0%
Blow Molded Plastic	Timbers	100%	Yes	0%	0%	0%
Rubber	Rubber Tiles	83-94%	Yes	0%	0%	83-94%
Cardboard Boxes		99%	Yes	0-25%	100%	0-25%
Packaging Peanuts		100%	Biodegradable		0-25%	

PlayBooster PlayStructure Specifications

5" OD Support Posts: Post length shall vary depending upon the intended use and shall be a minimum of 42" above the deck height. All posts shall have a ProShield Finish to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line required for correct installation and the top of the loose fill protective surfacing. Top caps for posts shall be aluminum die cast from 369.1 alloy and powdercoated to match the post color. All caps shall be factory installed and secured in place with (3) self-sealing rivets. **A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area. Crushed, dimpled or uncapped bottom post ends are not acceptable.**

Posts smaller than 5" OD are not acceptable.

Aluminum Posts: All posts shall be aluminum and manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness.

Aluminum Post Mechanical Properties:

Yield Strength (min): 35,000 PSI

Tensile Strength (min): 38,000 PSI

% Elongation in 2 inches: 10

Modulus of Elasticity: 10 x 1,000,000 PSI

Steel Posts: Steel support posts shall not be used in order to mitigate areas that may rust.

Clamps: All clamps, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

Ultimate Tensile: 47,000 PSI

Yield Strength: 28,000 PSI

Elongation: 7% in 2 inches

Shear Strength: 29,000 PSI

Endurance Limit: 20,000 PSI

Each functional clamp assembly shall have an appropriate number of half clamps and shall be fastened to mating parts with (2) 3/8" x 1 1/8" pinned button head cap screws (SST) and (2) stainless steel (SST) recessed "T" nuts. A 1/4" aluminum drive rivet w/stainless steel pin is used to ensure a secure fit to the post. **Hinged clamps, mounting systems bolted into one wall of the support pipe and steel clamps are not acceptable.**

Clamps shall have three functional applications and shall be named as follows:

- 1.) Offset hanger clamp assembly.
- 2.) Deck hanger clamp assembly.
- 3.) Hanger clamp assembly.

Twenty six ProShield Colors shall be available for posts and clamps.

Decks: All decks shall be of modular design and have 5/16" diameter holes on the standing surface. There shall be minimum of (4) slots in each face to accommodate face mounting of components. Decks shall be manufactured from a single piece of low carbon 12 GA (.105") sheet steel conforming to ASTM specification A-569. **Expanded metal decks and sheet steel thinner than 12 GA will not be accepted.** The sheet shall be perforated then flanged formed and reinforced as necessary to ensure structural integrity. The unit shall then be PVC-coated. **Two PVC deck color options shall be available.** Decks shall be designed so that all sides are flush with the outside edge of the supporting posts. To minimize potential entanglement injuries, decks shall conform tightly to post contours and flush to the outside edge of support posts. To encourage group play and ensure a safer play environment, the tree house's deck size shall be no less than 2300 square inches.

Rotationally Molded Polyethylene Slides: All slides will be rotomolded from IDPE and shall have full hoods with integrated handhold and sliding footers. **Slides without sliding footers and using bars or pipes for hoods or having full hoods without integrated handholds will not be accepted.** All slides shall mount to the deck face. Slides mounting to the top of the deck are not acceptable. These parts shall be molded using prime compounded linear low-density polyethylene (**high density polyethylene is not acceptable**) with a tensile strength of 2500 psi per ASTM D638 and with color and UV-stabilizing additives. Wall thickness varies by product from .187" (3/16") to .312" (5/16"). **Eleven standard colors shall be available**

Permalene Handholds, Activity Panels and Climbers: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Some polyethylene parts shall be available in a two-color product with (2) .100" thick exterior layers over a .550" interior core of a contrasting color through the thickness of the panel. **Recycled content to be at least 70%.** All graphics on activity panels shall be routed in to expose the middle color of the sandwiched two color polyethylene. Decals are not acceptable for graphics on activity panels. All panels shall be mounted to the post with a clamp system as specified and to the face of the deck with vandal proof hex pin cap screws and hex pin flange nuts. Hex pin bolts and hex nuts are not acceptable. All climbers shall have 3/4" thick high density polyethylene handholds when required to limit opening from deck to 15" widths as required by ASTM. **Pipe handholds or arches will not be accepted. 11 standard colors shall be available.**

GFRC Adventurescape Climbers: GFRC (Glass Fiber Reinforced Concrete) Adventurescape Climbers shall be stone in color. The Base Weldment shall be comprised of either 3/16" (.188") or 1/4" (.25") sheet steel. The Base Finish shall be Powdercoat. The Clips Weldment shall be comprised of 2" x 2" x 1/4" steel angle and/or 3" x 3" x 3/16" steel angle and 3/8" or 1/4" diameter steel rod. The Component shall be

fully assembled. The Castings shall be made from Glass Fiber Reinforced Concrete (GFRC). Glass fiber shall be Alkali Resistant (AR) type glass formulated for concrete. Nominal wall thickness shall be 1" and weigh about 11 1/2 lbs. per square foot. Castings shall have a strength of 1,500 lbs. per square inch in tension and 5,000 lbs. per square inch in compression. Finish shall be Latex paint made for concrete and Stone in color; Only non-toxic, environmentally safe and concrete friendly latex surface paints shall be used on GFRC materials (acid based paints will be deemed non-compliant); **Berliner Cable Climbers:** Cables to be made of tightly woven, polyester-wrapped, six stranded galvanized steel cable with a PVC wrapped steel core. 18 mm, steel-core interior rope and 20 mm steel-core perimeter rope. Cables to be red, abrasion resistant, color stable and vandal resistant. **Rotomolded or Fiberglass-Based Components are not acceptable substitutions.**

PlayStructure with minimum of the following Components are required:

- (2) Double Bedway Slides; 1 @ 72" height and 1 @ 48" height
- (3) Roofs
- (4) Climbers with permalene or rotationally molded construction in order to reduce amount of steel on structure
- (1) Handhold Leg Lift
- (1) Transfer Module to 40" deck
- (1) Deck to Deck Catwalk Climber with 24" deck difference
- (1) AdventureScape GFRC Natural Climber with minimum size of 84" x 78" x 68" x 56" height; Includes Berliner Cable Climber spanning from climber to ground.

5000 Series Swing Set Specifications

6-Place Swing Set with 4 Belt Seats and 2 Full Bucket Seats; includes Proguard chain and Anti-Wrap Swing Hangers; 8' beam height. A-frame style and galvanized for superior stability and durability.

10 Leg Posts: Fabricated from formed 2.375" OD RS20 (.095" - .105") galvanized steel tubing.

Beam: Fabricated from 2.375" OD RS40 (.130" - .140") galvanized steel tubing.

Yoke Clamps: Cast from 535.2 almag.

Finish for Legs, Beam and Yoke: ProShield Powdercoat – Twenty Six Standard Colors Shall be available

Anti-Wrap Swing Hangers: Bushings made from black UHMW PE. Cevis fabricated from 6061-T6 aluminum with bronze oil impregnated bearings. Hanger covers fabricated from .090" aluminum 3003 per ASTM B209. Finish: Hardcoat anodize, silver in color. Hangers fabricated from 11 GA. (.120) HR zinc plated steel. Finish: Powdercoated, silver in color.

Chain: Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel per ASTM F879 unless otherwise indicated. **S-hooks are not acceptable substitutions.**

Full Bucket Seats: Seats shall be molded of U.V. stabilized, high quality, black rubber, encapsulating a 24 gauge stainless steel reinforcement plate. Handle cast frame 356-T6 aluminum alloy with a 60 durometer black neoprene grip placed over handle. Handle attaches to seat with (3) 1/4" x 1-5/16" long stainless steel rivets. The finished size of the full bucket shall be 9" deep x 10-1/2" wide.

Belt Seats: Belt Seats shall be molded from U.V. stabilized black EPDM rubber encapsulating a weldment comprised of a 22 GA spring stainless steel sheet and .105" thick stainless steel washers. The belt seat elliptical shape measures 7" wide x 26" long x .700 thick.

Saddle Spinner Specifications

Provide 1 Saddle Spinner:

Rotationally Molded Polyethylene Seat: Seat shall be molded using prime compounded linear low-density polyethylene (**high density polyethylene is not acceptable**) with a tensile strength of 2500 psi per ASTM D638 and with color and UV-stabilizing additives. Wall thickness varies by product from .187" (3/16") to .312" (5/16"). Five standard colors shall be available. Seat shall allow one user at a time for maximum safety and be set at 12" height to accommodate younger aged user.

Post: 2.875" OD Steel Post shall have a ProShield Finish and **must be set at an angle to promote spinning using centrifugal force.**

REQUEST FOR QUOTE #7461248

BIDDING (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordering during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

DELIVERY

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

INSURANCE

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: * PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. * BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. * SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. * ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. * VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

VENDOR SPEC

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.

AWARD

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

FISCAL

AWARDS EXTENDING BEYOND JUNE 30TH ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

CLOTHING

IF SAMPLES ARE REQUESTED, THEY MUST BE PROVIDED WITHIN TEN (10) WORKING DAYS OF REQUEST DATE. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF BID.

START

STARTING DATE _____ NO. OF WORKING DAYS REQUIRED FOR COMPLETION _____

CHARGE

NO CHARGES OTHER THAN PARTS AND LABOR ON THE JOB - NO TRAVEL, NO MILEAGE, NO MISCELLANEOUS CHARGES, NO PORTAL TO PORTAL.

SURETY

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.

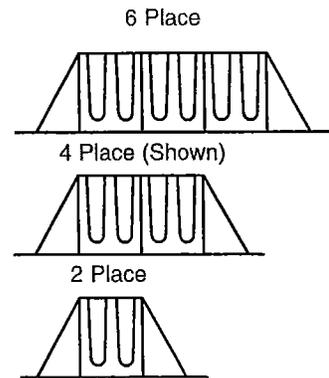
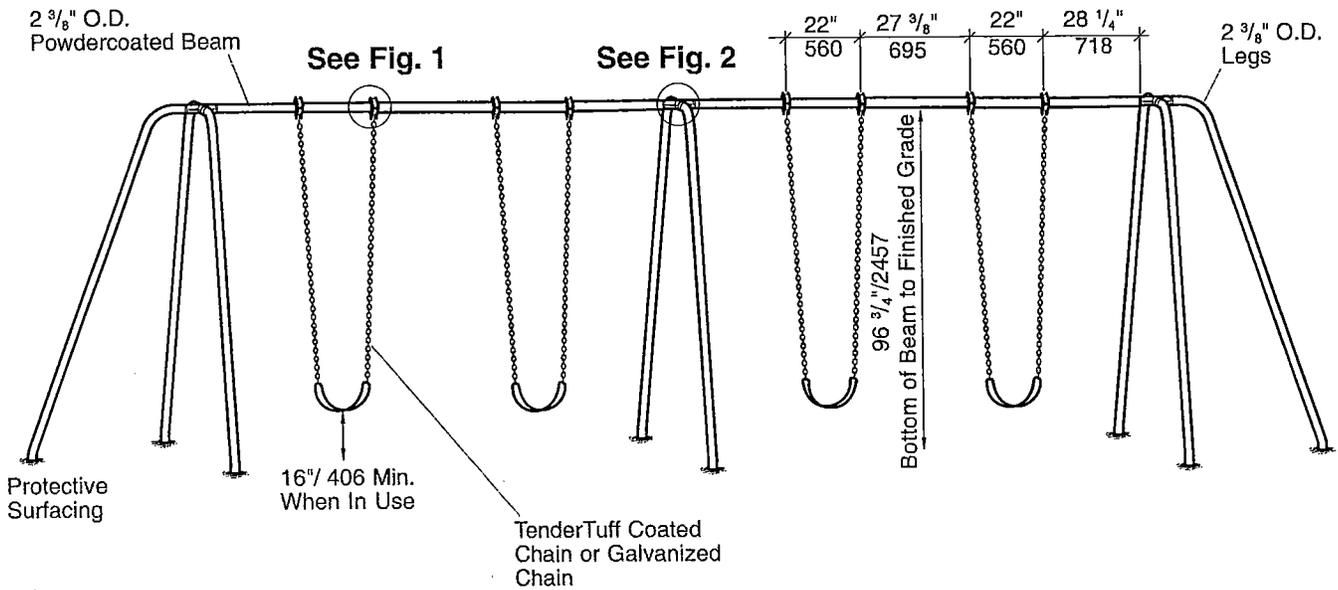
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)



15990700

NOTE: Dimensions are to centerlines of hanger clamps.



Model #157112 Additional Bay

Swings 157111 5000 Series Swings, 8' High, w/Anti-Wrap Hangers

Sheet 1 of 2

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 (763) 972-3391 1-888-LSI-INST (1-888-574-4678) FAX (763) 972-3185

109

Parts List

Part#	Description	Qty.	
		2 Pl.	Add. Bay
158428-00	Swing Leg, Specify Color	6	2
158226-00	Swing Leg, Galvanized	6	2
159921-00	134" Swing Beam, Specify Color	1	1
158228-00	Swing Yoke Clamp, Specify Color	4	2
132385-00	Belt Seat, Black	2	2
152050-00	67 7/8" Chain, Coated, Specify Color	4	4
167964-00	67 7/8" Chain, Uncoated	4	4
145605-00	Anti-Wrap Swing Hanger Hdw. Pkg.	4	4
100195-00	3/8" x 3/8" BHCS w/Pin, SST	8	8
100290-00	3/8" x 7/8" BHCS w/Pin Ltd. Thrd.Bolt, SST ..	4	4
100292-00	3/8" x 1 1/4" BHCS w/Pin Ltd. Thrd.Bolt, SST ..	4	4
132613-00	Plastic Bushing	8	8
138068-00	Top Hanger Assembly, Silver	4	4
138069-00	Bottom Hanger Assembly, Silver	4	4
140298-00	Clevis	4	4
100611-00	1/4" x 3/8" Drive Rivet, AL/SST	4	4
132672-00	Bolt Link w/Bolt & Spacers	2	2
100292-00	3/8"x1 1/4" BHCS w/Pin Ltd. Thrd. Bolt, SST ..	4	4
138915-00	Bolt Link, SST	4	4
112501-00	Chain Spacer	8	8
132635-00	Bolt Link w/Bolt Hardware Package	2	2
100292-00	3/8"x1 1/4" BHCS w/Pin Ltd. Thrd. Bolt, SST ..	4	4
138915-00	Bolt Link, SST	4	4
159909-00	Swing Yoke Hardware Package	2	1
100353-00	3/8" Flange Nut w/Pin, SST	16	8
160083-00	3/8" x 2 7/8" Threaded Rod, SST	8	4
156846-00	Play Safe Label, 2-12 Yrs.	2	1

Specifications

Beam:	Fabricated from 2.375" O.D. RS40 (.130" - .140") galvanized steel tubing. Finish: Powdercoat, color specified.
Leg:	Fabricated from formed 2.375" O.D. RS20 (.095" - .105") galvanized steel tubing. Optional - Finish: Powdercoat, color specified.
Yoke Clamp:	Cast from 535.2 almag. Finish: Powdercoat, color specified.
Chain Spacer:	Made from white nylon measuring .080" x .785" O.D.
Swing Hanger:	Bushings made from black UHMW PE. Clevis fabricated from 6061-T6 aluminum with bronze oil impregnated bearings. Hanger covers fabricated from .090" aluminum 3003 per ASTM B209. Finish: Hardcoat anodize, silver in color. Hangers fabricated from 11 GA. (.120) HR zinc plated steel. Finish: Powdercoated, silver in color.
Chain/Uncoated:	Steel 3/16" straight link chain, 800 lb. working load limit. Finish: Hot galvanized.
Chain/Coated:	Steel 3/16" straight link chain, 800 lb. working load limit. Finish: TenderTuff, color specified.

Swings 157111 5000 Series Swings, 8' High, w/Anti-Wrap Hangers

Belt Seats: Molded from U.V. stabilized black EPDM rubber encapsulating a weldment comprised of a 22 GA (.029") spring stainless steel sheet, and (4) .105" thick stainless steel washers. The belt seat elliptical shape measures 7" wide x 26" long x .700" thick.

Bolt Link: Drop forged carbon steel, heat treated and zinc plated.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: 2 Place - Approx. 10 man hours
Additional Bay - Approx. 5 man hours

Concrete Req.: 2 Place - Approx. 21 cu. ft.

Area Req.: Additional Bay - Approx. 7 cu. ft.
2 Place - 31' 10" x 32' (9,70 m x 9,75 m)
Additional Bay - 11' 6" x 32' (3,50 m x 9,75 m)

Weight: 2 Place - 261 lbs. Uncoated Chain
2 Place - 263 lbs. Coated Chain
Additional Bay - 129 lbs. Uncoated Chain
Additional Bay - 131 lbs. Coated Chain

Installation Instructions

- 1) Dig footings to width, depth and spacing for the appropriate swing you are installing. Refer to the Direct Bury Details.
- 2) With swing beam laying on ground, insert beam and legs into swing yoke clamps. Line up holes in swing yoke clamps with holes in beam/legs. Attach beam/legs to swing yoke clamps using 3/8" x 2 7/8" threaded rods and 3/8" flange nuts w/pin, as shown. Refer to Fig. 2. **NOTE:** For ease of installation, turn 3/8" x 2 7/8" threaded rods into 3/8" flange nuts w/pin, 2 or 3 threads only. Insert 3/8" x 2 7/8" threaded rods through holes in yoke clamp and beam/legs and attach 3/8" flange nuts w/pin. Tighten 3/8" flange nuts w/pin.
- 3) Stand swing upright onto legs and position in footing holes. Make final adjustments so beam is at proper height and level and legs are in line with each other.
- 4) Pour concrete footings and let concrete cure for a minimum 72 hours before proceeding.
- 5) Assemble anti-wrap swing hanger clamps to beam as shown per Detail. Position plastic bushings with tongue and groove opposite each other on top and bottom of beam, aligning hole in bottom bushing with 1/4" hole in bottom of beam. **NOTE:** Ensure the alignment of the tongue and groove in the bushings.
- 6) With bushings in place on beam, insert 1/4" x 3/8" drive rivet through the hole in bottom bushing and into the beam. Hammer rivet pin in until it is flush with head, securing the bottom bushing to the beam. Install top and bottom hanger assemblies using (2) 3/8" x 3/8" BHCS w/pin.
- 7) Attach chain to clevis as shown in Fig. 1. Attach chains to swing seats as shown in bolt link detail using 3/8" x 1 1/4" BHCS w/pin limited thread bolts and chain spacers (galvanized chain only.) **NOTE:** Do not over-tighten limited thread bolt. Threads should not protrude past bolt link. Position bolt heads inward facing user.
- 8) Install protective surfacing before users are allowed to play on the structure.

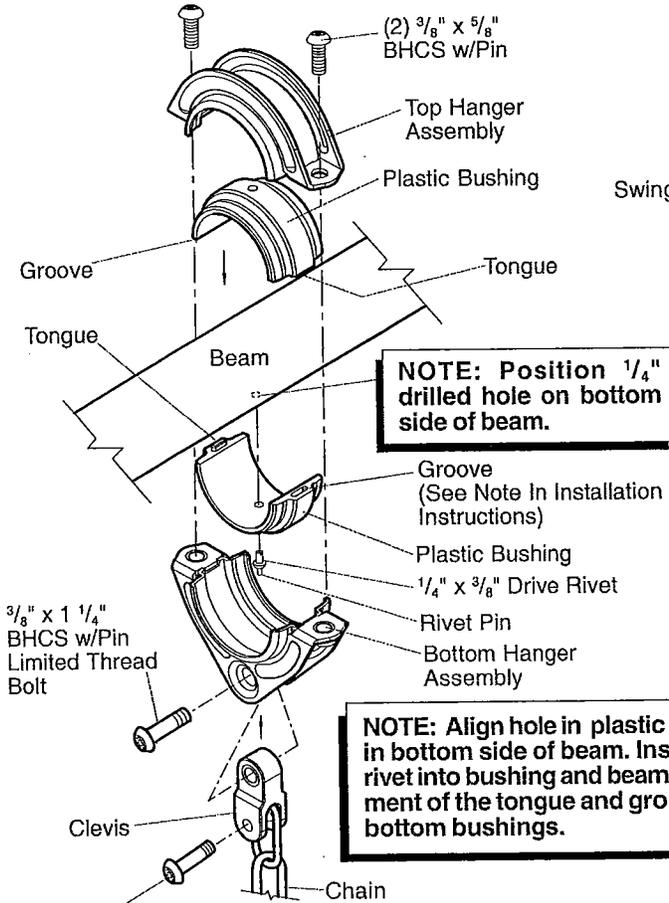
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1407, SECTION 9.)



159907a

FIGURE 1

ANTI-WRAP SWING HANGER CLAMP ASSEMBLY



DETAIL BOLT LINK

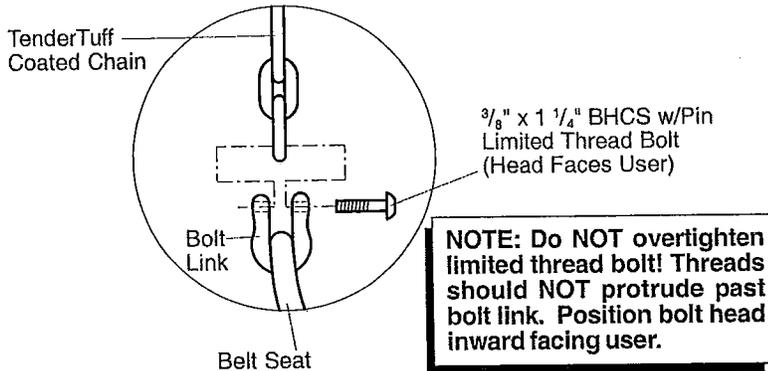
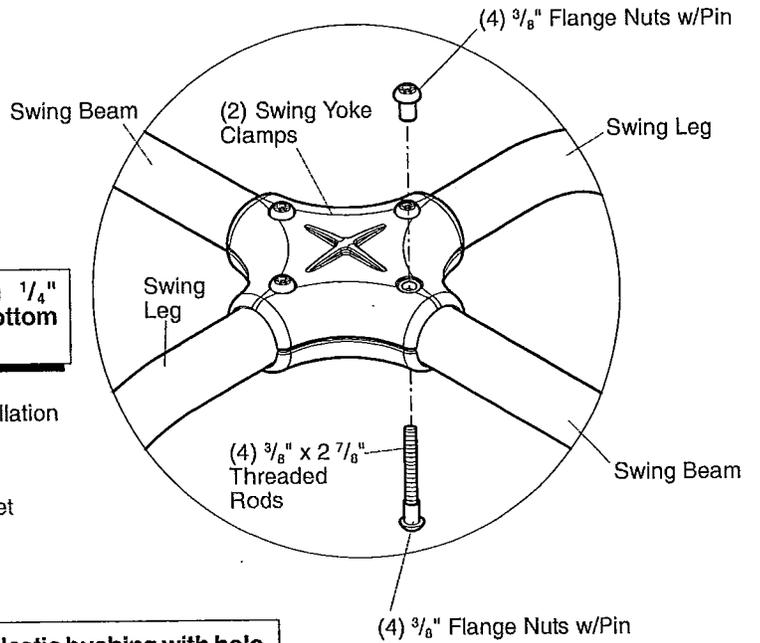
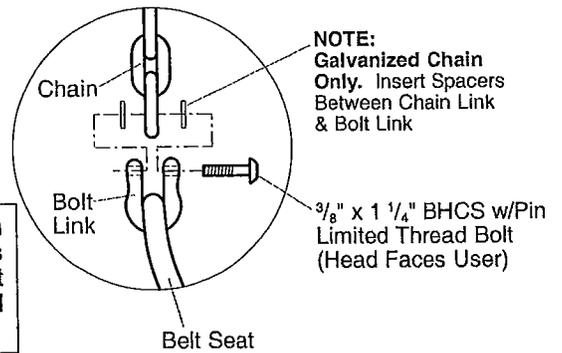


FIGURE 2
SWING YOKE CLAMP



DETAIL BOLT LINK

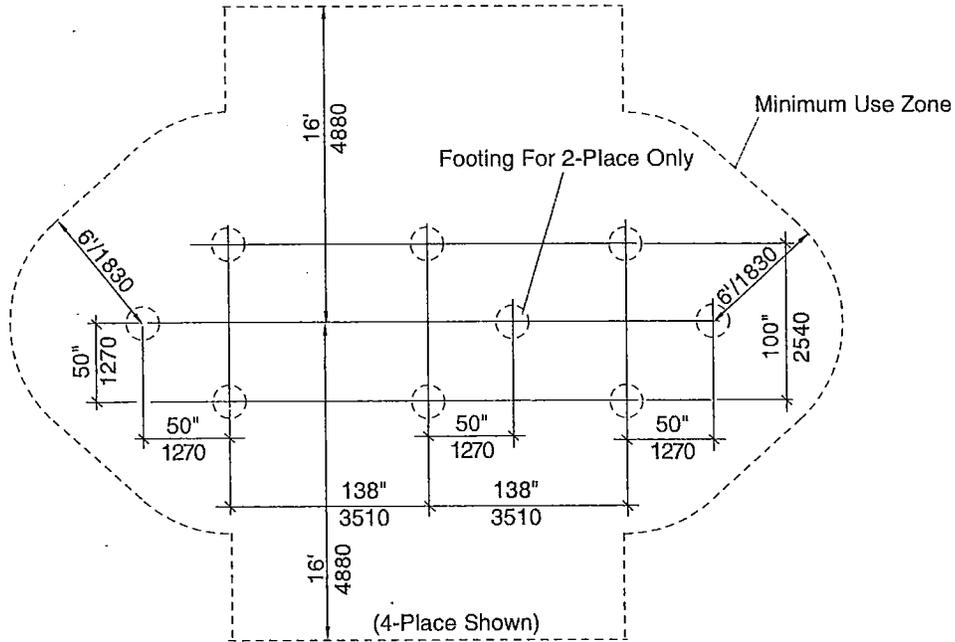


SAFETY NOTE
 Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

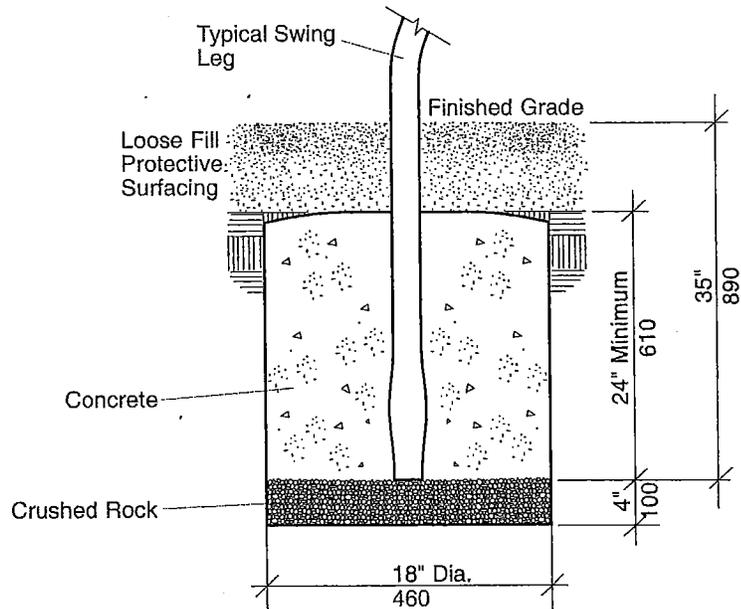


159905b

PLAN VIEW/FOOTING LAYOUT



**DETAIL
 DIRECT BURY**



Swings

Footing Details

SAFETY NOTE
 Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1407, SECTION 9.)

LANDSCAPE STRUCTURES

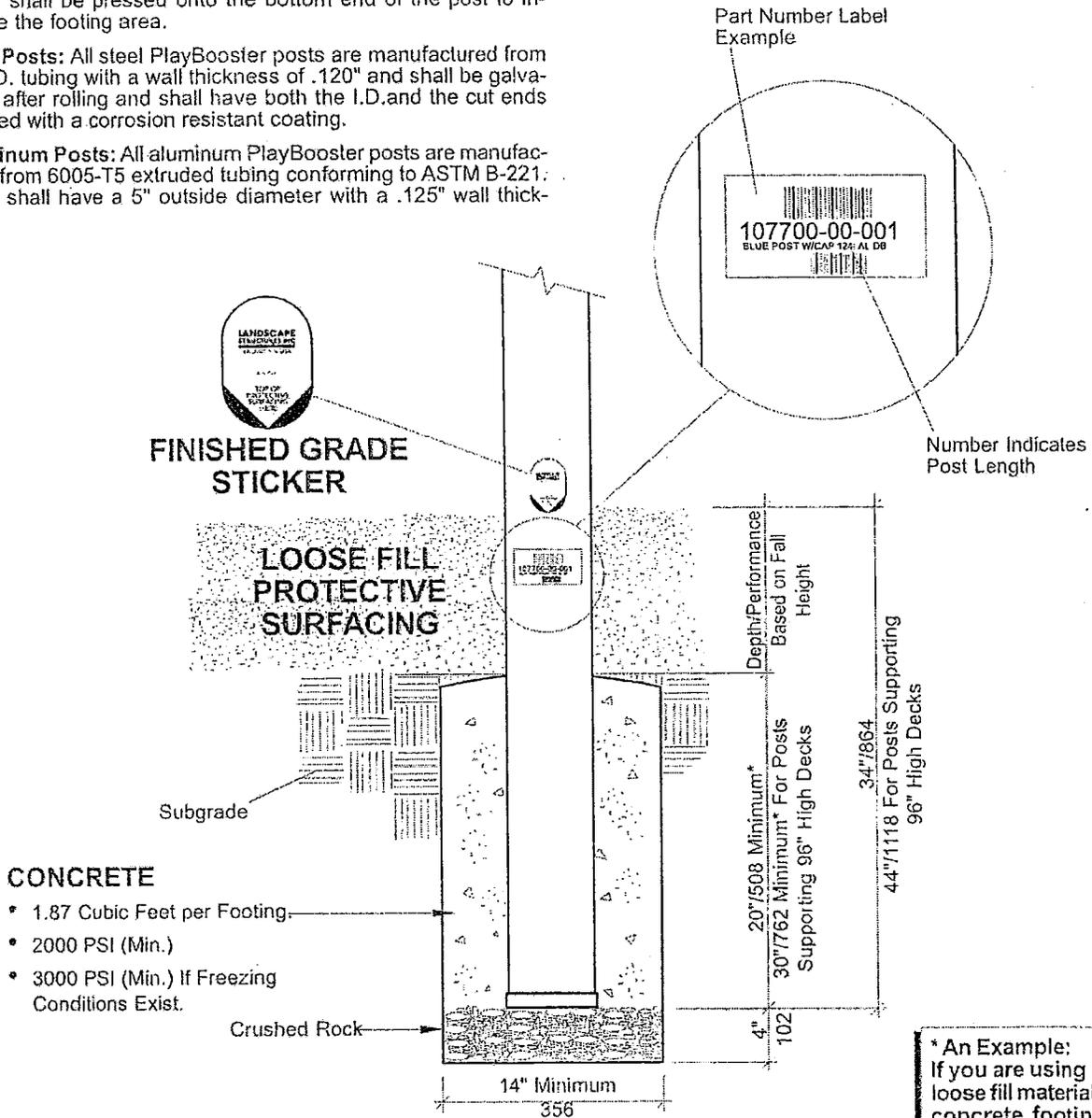


13871600

Post Specifications: Post length shall vary depending upon the intended use and shall be a minimum of 42" above the deck height. All posts shall be powdercoated to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line (or 44" bury line for posts for 96" decks) required for correct installation and the top of the loose fill protective surfacing. Top caps for posts shall be aluminum die cast from 369.1 alloy and powdercoated to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets. A molded low density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area.

Steel Posts: All steel PlayBooster posts are manufactured from 5" O.D. tubing with a wall thickness of .120" and shall be galvanized after rolling and shall have both the I.D. and the cut ends sprayed with a corrosion resistant coating.

Aluminum Posts: All aluminum PlayBooster posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness.



* An Example:
 If you are using 12" of loose fill material, your concrete footing will be 22" deep.

PlayBooster

Concrete Footings, 5" Posts

601 7TH STREET SOUTH, P.O. BOX 198, DELAND, MINNESOTA 55328-0198 (763) 972-3391 1-888-LS-INST (1-888-574-4678) * FAX (763) 972-3185 3

© 2002 by Landscape Structures Inc. All rights reserved.

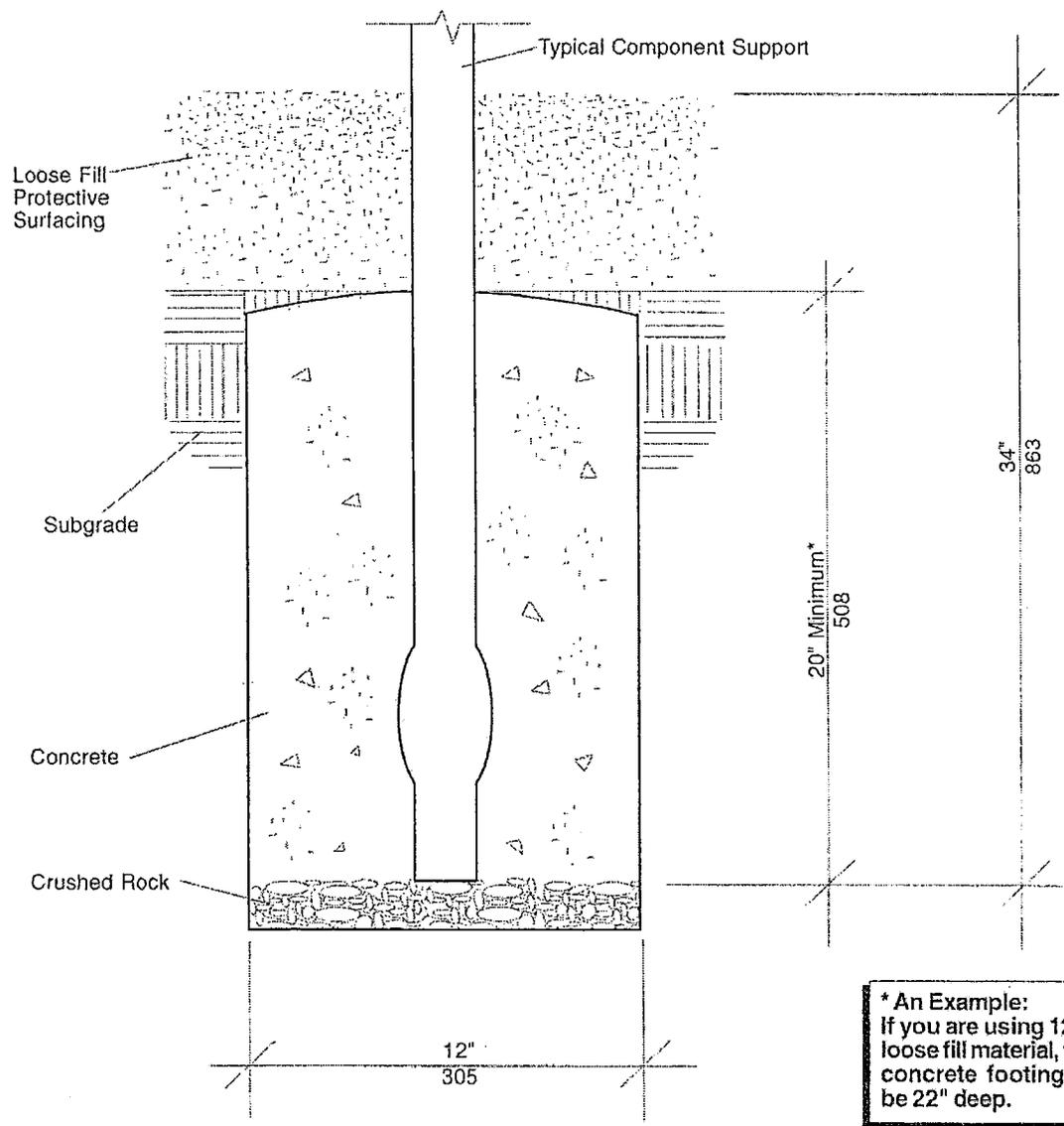
Eco #51014 Document #13871600 replaces #13478706. Removed Post Length Sticker

Document #13671600

SAFETY NOTE
 Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

LANDSCAPE STRUCTURES

8-25-00
 10970900
ISO
 9001:2000
 Certified



Minimum 1.2 Cubic Feet of Concrete Required per Support.

PlayBooster Concrete Footings, Components