



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
 DNR210178

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
 KRISTA FERRELL  
 304-558-2596

**VENDOR**  
 \*A09113539 804-798-6842  
 VIRGINIA PLAYGROUND SERVICES I  
 14276 RIVERSIDE DR  
 ASHLAND VA 23005

**SHIP TO**  
 DIVISION OF NATURAL RESOURCES  
 CABWAYLINGO STATE FOREST  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 85  
 DUNLOW, WV  
 25511 385-4255

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/17/2010				

BID OPENING DATE: 05/27/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
THIS ADDENDUM IS ISSUED TO REISSUE THE SPECIFICATIONS PER THE ATTACHED.						
BID OPENING DATE REMAINS: 05/27/2010						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 2 *****						
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT FOR CABWAYLINGO						
***** THIS IS THE END OF RFQ DNR210178 ***** TOTAL:						\$35,872.91

RECEIVED  
 10 MAY 27 A 11:08  
 PURCHASING DIVISION  
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Robert W. Charles* TELEPHONE: 804 798 6842 DATE: 5/26/10  
 TITLE: President FEIN: 20-4869478 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## Cabwaylingo State Forest Playground Specifications

To provide playground equipment at Cabwaylingo State Forest in Dunlow, West Virginia and offer play and physical activity for children ages five (5) to twelve (12). Playground equipment will be purchased for four (4) separate areas in the park. Park personnel will install all playground equipment. The award may be split if it is in the best interest of the West Virginia Division of Natural Resources. All items are to be F.O.B. Destination. Freight or delivery charges must be included in the price of the goods. Delivery must be made within sixty (60) days of purchase order award.

### Long Branch Picnic Area Playground

GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal. Slide must be a minimum of 6' in height; must have a top platform enclosed with metal bars; and steps to platform must have hand railings.

GameTime the whirl (Merry-Go-Round), Item #919, or equal. Equipment must have four metal u-shaped handrails on a one-piece platform with a hydraulic speed limit; and must have concealed fastener style hardware.

GameTime tire swing (one bay), Item #1077, or equal. Swing top rail must be a minimum height of 6'8"; and swing bay must be composed of galvanized steel uprights and top rail.

GameTime 8' classic swing frame, Item #P8542, or equal. Swing base must have a minimum of 2 3/8" OD top rail and legs; must be constructed of a minimum of 13 gauge galvanized pipe; and must be powder coated.

GameTime 8' classic swing frame add-a-bay, Item #P8546, or equal. Frame must have a minimum of 2 3/8" OD top rail and legs; and must be an "A" frame style.

GameTime Belt Seat with chain, or equal. Swing seat must include all necessary hardware to install and also must include tamper resistant hardware.

GameTime Enclosed Tot Seat with clevis, Item #8695, or equal. Seat must include galvanized chain and hardware for a minimum of a 2 3/8" swing frame.

### Crum/Morgan Area Playground

## Cabwaylingo State Forest Playground Specifications

GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal. Slide must be a minimum of 6' in height; must have a top platform enclosed with metal bars; and must have steps to platform must have hand railings.

GameTime buck-a-bouts, Item #243, or equal. Buck-a-bouts must have a minimum of two (2) seats with rubber springs; each seat must metal footings for both feet; and must have a U-shaped handrail (saddle seat).

GameTime saddle mates for buck-a-bout rider, Item #2313, or equal. Seats must be metal with hand holders.

GameTime cruisin mates desert commando car, Item #6058, or equal. Car must have a minimum of two (2) spring mounts; must have handholds constructed of a minimum of 1 1/6" OD galvanized pipe and a minimum of 3/16" thick flat steel; and must have a powder coat finish.

GameTime adventure mate, dinosaur rider, Item #6051, or equal. Rider must be mounted with a minimum of three (3) spring bases; and must have galvanized steel plate mounting.

GameTime in-ground mount package for the dinosaur spring mate, Item #6065, or equal.

### Lower Walnut Picnic Area Playground

GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal. Slide must be a minimum of 6' in height; must have a top platform enclosed with metal bars; and steps to platform must have hand railings.

GameTime PowerScape single station climber, Challenge Station, single tower, Item #8533, or equal. Station must be a minimum of 6' 4" in height; and must be composed of metal climbing stations, platform, and supports. Unit must include a cosmix climber or equal; climber must have a minimum of two openings for feet and a minimum of six openings for hands.

GameTime 8' classic swing frame, Item #P8542, or equal. Swing base must have a minimum of 2 3/8" OD top rail and legs; must be constructed of a minimum of 13 gauge galvanized pipe; and must be powder coated.

GameTime, 8' classic swing frame add-a-bay, Item #P8546, or equal. Frame must have a minimum of 2 3/8" OD top rail and legs; and must be an "A" frame style.

## Cabwaylingo State Forest Playground Specifications

Game Time enclosed tot seat with clevis, Item #8695, or equal. Seat must include galvanized chain and hardware for a minimum of a 2 3/8" swing frame.

GameTime fire engine vehicle climber, Item #7002, or equal. Climber must have a deck height a minimum of 2' from ground; must be constructed of polyethylene molding; and must include steel hardware.

### Spruce Creek Area Playground

GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal. Slide must be a minimum of 6' in height; must have a top platform enclosed with metal bars; and must have steps to platform must have hand railings.

GameTime space module climber, Item #618, or equal. Freestanding climber must have a minimum of two (2) center posts; and must include rails surrounding the inside of the top and bottom platform.

GameTime buck-a-bouts, Item #243, or equal. Buck-a-bouts must have a minimum of two (2) seats with rubber springs; each seat must metal footings for both feet; and a U-shaped handrail (saddle seat).

GameTime saddle mates for buck-a-bout rider, Item #2313, or equal. Seats must be metal with hand holders.

### ITEMS FOR ALL FOUR PLAYGROUNDS

Geo-textile fabric, 2,250 sq. ft. roll, or equal. Fabric must provide a water permeable separation between the earth and the wood fiber and at least 150 gallons per square foot per minute.

Game Time, Geo-Textile Fabric, 1,125 sq. ft. roll, or equal. Fabric rolls provide a water permeable separation between the earth and the wood fiber. 150 gallons per square foot per minute.

Certified engineered wood fiber or equal. Material must be recently harvested and debarked; free of chemical treatments and additives; free of soil, twigs, leaves and other contaminates.

**DNR210178**  
**Cabwaylingo State Forest Playground Specifications**

All playground equipment and engineered wood fiber must meet the following requirements:

- Compliance with U.S. Consumer Product Safety Commission, Handbook for Public Playground Safety.
- Compliance with ASTM Standard F 1487.
- Compliance with Architectural and Transportation Barriers Compliance Board, Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Play Areas.

Vendors must submit the following attachments:

- Complete manufacturer's parts specifications and warranties.
- Layout drawing to scale of the proposed play structure or equipment.
- ASTM and CPSC Statement of Compliance

Warranties:

- All equipment and engineered wood fiber must be guaranteed to be free of defects in workmanship and material for a minimum of one year from date of acceptance. However, if manufacturer warranty periods are longer than the required minimum one year warranty, those warranties shall apply.

Color scheme of equipment must be coordinated with Cabwaylingo State Forest. Color of items will be selected from manufacturer's standard colors.

Please contact park headquarters at 304-385-4255 to schedule a site walk through if necessary. The site walk through is not mandatory.

DNR210178

**Cabwaylingo State Forest Playground Specifications**

Cabwaylingo State Forrest  
**PLAYGROUND EQUIPMENT SHEET**

Please complete the below information concerning the brand(s) of equipment being bid in relation to this project. If bidding "or equal" brands, please attach manufacturer's literature documenting that it meets the mandatory requirements stated in the specifications. Vendors should note the areas of the provided manufacturer's literature that adheres to the mandatory requirements outlined in the Request For Quotation.

Item No.	Equipment	Manufacturer	Item
1	Long Branch Picnic Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	Little Tikes	200013893 200111780 20009805 200013830
2	Long Branch Picnic Area Playground Game Time the whirl (Merry-Go-Round), Item #919, or equal.	Recreation Creations	650
3	Long Branch Picnic Area Playground Game Time tire swing (one bay), Item #10777, or equal.	Little Tikes	200200282
4	Long Branch Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	Little Tikes	200096592
5	Long Branch Picnic Area Playground GameTime, 8' classic swing frame add-a-bay, Item #P8546, or equal.	Little Tikes	200093133
6	Long Branch Picnic Area Playground Game Time enclosed tot seat with clevis, Item #8695, or equal.	Little Tikes	200096592
7	Long Branch Picnic Area Playground Game Time belt seat with clevis, or equal.	Little Tikes	200093133
8	Crum/ Morgan Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	Little Tikes	200013893 200111780 200100805 200013830
9	Crum/ Morgan Area Playground GameTime buck-a-bouts, Item #243, or equal.	Little Tikes	100011361

Cabwaylingo State Forrest  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
10	Crum/ Morgan Area Playground GameTime saddle mates for buck-a- bout rider, Item #2313, or equal.	Little Tikes	100011361
11	Crum/ Morgan Area Playground GameTime cruisin mates desert commando car, Item #6058, or equal.	Little Tikes	200014074
12	Crum/ Morgan Area Playground GameTime adventure mate, dinosaur rider, Item #6051, or equal.	Little Tikes	M00000962
13	Crum/ Morgan Area Playground GameTime in-ground mount package for the dinosaur spring mate, Item #6065, or equal.	Little Tikes	↕ same
14	Lower Walnut Picnic Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.	Little Tikes	200013893 200111780 200109865 200013830
15	Lower Walnut Picnic Area Playground GameTime, PowerScape single station climber, Challenge Station, single tower, Item #8533, or equal.	Little Tikes	200200806 200200829 200200798 200200875 200201079
16	Lower Walnut Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	Little Tikes	200096592
17	Lower Walnut Picnic Area Playground GameTime, 8' classic swing frame add-a- bay, Item #P8546, or equal.	Little Tikes	200093133
18	Lower Walnut Picnic Area GameTime Playground belt seat with clevis, or equal.	Little Tikes	200096592
19	Lower Walnut Picnic Area Playground GameTime enclosed tot seat with clevis, Item #8695, or equal.	Little Tikes	200093133



Cabwaylingo State Forrest  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
20	Lower Walnut Picnic Area Playground GameTime, Fire Engine Vehicle Climber, Item No. 7002 or Equal.	Little Tikes	206112154
21	Spruce Creek Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.		
22	Spruce Creek Area Playground GameTime space module climber, Item #618, or equal.		
23	Spruce Creek Area Playground GameTime buck-a-bouts, Item #243, or equal.		
24	Spruce Creek Area Playground GameTime saddle mates for buck-a- bout rider, Item #2313, r equal.		
25	Items For All Four Playgrounds Geo- textile fabric, 2,250 sq. ft. roll, or equal.	US Fabrics	nonwoven geotextile Fabric
26	Items For All Four Playgrounds Geo- textile fabric, 1,125 sq. ft. roll, or equal.	US Fabrics	nonwoven geotextile Fabric
27	Items For All Four Playgrounds Certified engineered wood fiber or equal.	Zeager Bros. Inc.	woodcarpet

Cabwaylingo State Forest Playground Equipment

PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Long Branch Picnic Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$2,822.42	\$2,822.42
2	1	Long Branch Picnic Area Playground Game Time the whirl (Merry-Go-Round), Item #919, or equal.	\$1,800.00	\$1,800.00
3	1	Long Branch Picnic Area Playground Game Time tire swing (one bay), Item #10777, or equal.	\$1,058.48	\$1,058.48
4	1	Long Branch Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	\$488.18	\$488.18
5	1	Long Branch Picnic Area Playground GameTime, 8' classic swing frame add a-bay, Item #P8546, or equal.	\$383.16	\$383.16
6	2	Long Branch Picnic Area Playground Game Time enclosed tot seat with clevis, Item #8695, or equal.	\$77.50	\$155.00
7	2	Long Branch Picnic Area Playground GameTime belt seat, or equal.	\$186.33	\$336.66
8	1	Crum/ Morgan Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$3,640.70	\$3,640.70
9	1	Crum/ Morgan Area Playground GameTime buck-a-bouts, Item #243, or equal.	\$1,279.70	\$1,279.70
10	2	Crum/ Morgan Area Playground GameTime saddle mates for buck-a-bout rider, Item #2313, r equal.	<del>                    </del>	<del>                    </del>
11	1	Crum/ Morgan Area Playground GameTime cruisin mates desert commando car, Item #6058, or equal.	\$637.58	\$637.58

Little tikes version is combined into one item

## Cabwaylingo State Forest Playground Equipment

## PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
12	1	Crum/ Morgan Area Playground GameTime adventure mate, dinosaur rider, Item #6051, or equal.	\$ 656.18	\$ 656.18
13		Crum/ Morgan Area Playground GameTime in-ground mount package for the dinosaur spring mate, Item #6065, or equal.		
14	1	Lower Walnut Picnic Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$ 2,922.42	\$ 2,922.42
15	1	Lower Walnut Picnic Area Playground GameTime, PowerScape single station climber, Challenge Station, single tower, Item #8533, or equal.	\$ 5,653.70	\$ 5,653.70
16	1	Lower Walnut Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	\$ 462.34	\$ 462.34
17	1	Lower Walnut Picnic Area Playground GameTime, 8' classic swing frame add- a-bay, Item #P8546, or equal.	\$ 350.32	\$ 356.32
17	2	Lower Walnut Picnic Area Playground GameTime enclosed tot seat with clevis, Item #8695, or equal.	\$ 101.90	\$ 203.80
18	2	Lower Walnut Picnic Area Playground GameTime belt seat with clevis, or equal.	\$ 117.40	\$ 234.80
19	1	Lower Walnut Picnic Area Playground GameTime, Fire Engine Vehicle Climber, Item #7002, or equal.	\$ 1,323.52	\$ 1,323.52
20	1	Spruce Creek Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.		

combined  
to one item

## Cabwaylingo State Forest Playground Equipment

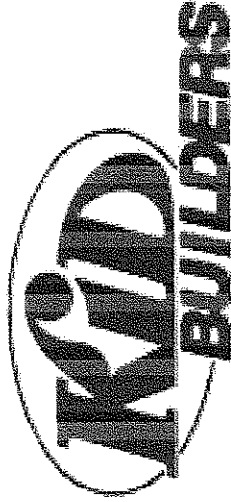
## PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
21	1	Spruce Creek Area Playground GameTime space module climber, Item #618, or equal.		
22	1	Spruce Creek Area Playground GameTime buck-a-bouts, Item #243, or equal.		
23	2	Spruce Creek Area Playground GameTime saddle mates for buck-a- bout rider, Item #2313, r equal.		
24	4	Items For All Four Playgrounds Geo- textile fabric, 2,250 sq. ft. roll, or equal.	\$ 325.00	\$1,300.00
25	1	Items For All Four Playgrounds Geo- textile fabric, 1,125 sq. ft. roll, or equal.	\$ 200.00	\$200.00
26	9,811 sq. ft.	Items For All Four Playgrounds Certified engineered wood fiber or equal.	\$9,337.95	\$9,337.95
		<b>TOTAL</b>	\$35,852.91	\$35,852.91

Project name: Cabwaylingo State Forest



Playgrounds Fun & Easy!



Site address: Route 1

Dunlow

west virginia 25511

USA

Sales representative: Virginia Playground Services

## Specification Documents

Project number:

LP847\_40322425764\_3

Please, read all information in this manual before starting to install your equipment.

Date: 2010-05-26 11:17:01

Product specifications listed were correct at the time of publication. However, Little Tikes Commercial Play Systems has a history and policy of continuous product development and improvement and therefore reserves the right to improve, alter or discontinue specifications without notice.

Plastic Caps shall fit snugly into 127 mm (5") and 33 mm (1.315") tube ends and shall be injection molded Low Density Polyethylene. This plastic shall be stabilized against ultraviolet (UV) degradation and shall have color molded in. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.

Aluminum Caps shall fit snugly into 127 mm (5") tube ends. The Aluminum cap shall be made from SAE 413 aluminum with a minimum wall thickness of 4 mm. Prior to insertion into the post, all caps shall be painted per PPLT PAINT Specification. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.

-Paint shall be applied per PPLT PAINT Specification.

-Rotationally Molded Plastic Parts shall be molded per PPLT ROTO Specification.

-Textured Poly-Vinyl-Chloride coating shall be per PPLT PVC Specification.

Hardware: Bolts, Nuts, Screws, Threaded Spacers, Washers and Other Hardware used in the assembly of components shall be metric stainless steel and tamper resistant. All necessary hardware shall be provided.

Deck Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp attachment bracket shall be formed from 11 gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

Rail Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a minimum 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

Wing and Panel Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp wing bracket shall be formed from 7 gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant

fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

All Steel Tube Components shall comply with ASTM standards: A-500, or A-513. The steel tube components contain five layers including an inside galvanized coating, high tensile strength cold formed steel, hot dipped pure zinc meeting ASTM B-6 applied at 3.5 tenths of an ounce per square foot, and a proprietary conversion and advanced polymer coatings. The components are freed of excess weld spatter and shall be cleaned in a multiple bath system which shall include a rust-inhibitive iron phosphate wash prior to painting. Exceptions: 127 mm (5") O.D. aluminum posts.

**-PPLT PAINT Specification:** Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).

**-PPLT ROTO Specification:** Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.

**-PPLT PVC Specification:** Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.

**13 GAUGE GALVANIZED STEEL POST** shall be 127 mm (5") O.D., 13 gauge pre-galvanized round tubing. Minimum tensile strength shall be 330MPa (48,000 psi). Minimum yield point shall be 310MPa (45,000 psi). The bottom portion of all upright posts shall be crimped slightly to enhance retention in concrete footings. Plastic caps shall fit into the uncrimped end of the 127 mm (5") tube. After fabrication, all posts shall be painted per PPLT PAINT Specification.

**STAINLESS STEEL DOUBLE WIDE SLIDE** bed way shall be 755 mm (29.7") wide single piece 16 gauge 304 stainless steel. 11 gauge steel brackets shall reinforce the entrance and exit of the slide. Side rails shall be 32 mm (1.25") wide x 105 mm (4.125") high 11 gauge "D" style aluminum, closed by cast aluminum end caps permanently riveted in place. Single rail on slide entrance point shall be fabricated from 33 mm (1.315") O.D. galvanized tubing. Slide end support shall be fabricated from 38 mm (1.5") square tubing. All steel tubing shall be painted per PPLT PAINT Specification.

**VINYL CLAD STEP LADDER** shall be a one piece all welded assembly coated per PPLT PVC Specification. The stair/step assembly shall be fabricated from punched 13 gauge hot rolled sheet steel. The stair/step assembly shall attach to the deck edge and shall be supported by 25.4 mm (1") O.D. x 14 gauge pre-galvanized posts at the bottom riser. Handrails shall be fabricated from 33 mm (1.315") x 11 gauge pre-galvanized steel tubing. Enclosure shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing, 3 mm (11 gauge) pre-galvanized sheet steel and 4.5 mm (7 gauge) sheet steel. Handrails and enclosures shall be painted per PPLT PAINT Specification.

SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.46 square meters (2,275 square inches) of top surface area, be a one-piece construction and be designed to maintain a full 1.2 m (48") on center post spacing. Metal decks shall be fabricated from 13 gauge hot rolled steel which shall be punched, formed and reinforced with welded in place 11 gauge strips and 7 gauge plates. Decks shall have a pattern of equally spaced holes on each edge to provide flush mounting of play events that attach to the deck. This hole pattern shall allow multiple decks to be assembled at the same level providing a surface without size limitations. This assembly shall be coated per PPLT PVC Specification.

SAFETY RAIL shall be fabricated from a combination of 33.4 mm (1.312") O.D. pre-galvanized steel tubing and 3/4" X 1" FSO pre-galvanized steel tubing. Side plates shall be fabricated from 3 mm (11 gauge) pre-galvanized sheet steel. Deck mounted safety rails shall have a bottom plate fabricated from 3 mm (11 gauge) pre-galvanized sheet steel. The Safety Rails provide a non-climbable enclosure and shall have no gaps greater than 76 mm (3") and less than 254 mm (10"), especially between vertical rungs and posts. After assembly, panel shall be painted per PPLT PAINT Specification.



Playgrounds Fun & Easy!

Project name: Cabwaylingo State Forest

Site address: Route 1

Dunlow

west virginia 25511

USA

Sales representative: Virginia Playground Services

## Specification Documents

Project number:



Please, read all information in this manual before starting to install your equipment.

Date: 2010-05-26 11:17:05

- PPLT PAINT Specification: Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).
- PPLT ROTO Specification: Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.
- PPLT PVC Specification: Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.
- KID RIDERS™ ATV WITH COIL SPRING assembly shall be rotationally molded per PPLT ROTO Specification. Hand rails shall be fabricated from 25 mm (1") O.D. pre-galvanized steel tubing. The spring sub-assembly has vandal resistant hardware and consists of a galvanized base plate and top, with a wound wire spring. All steel components shall be painted per PPLT PAINT Specification.
- DRAGONFLY See-Saw wings are to be fabricated from 48.3 mm (1.90") O.D. 11 gauge pre-galvanized tubing with a 33.4 mm (1.3") O.D. cross bar. The seat is to be 16 gauge sheet steel coated per PPLT PVC Specifications. The wings rest on two 3/8" steel plate supports. The Dragonfly Stand is to be fabricated from 88.9 mm (3.5") O.D. pre-galvanized tubing and a 1/2" steel plate for the spring to attach to. The Dragonfly spring shall be a two way torsion rubber spring. Two 3/8" steel plates provide positive stops for a 38.1 mm (1.5") square axel bar which the dragonfly rotates about. The wing assembly and stand assembly are to be painted per PPLT PAINT Specifications.

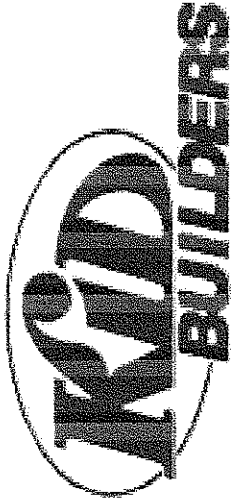
Rider Body: The rider body is a rotationally molded figure or mold positive supported by a body frame. Wall thickness of molded components shall be 3/16" to 1/4". The body frame shall consist of front and/or rear supports constructed of 1-1/2" tube and/or of 2" x 2" x 1/4" angle, a cross member

constructed of 1-1/4" pipe, handholds of 1" (1" O.D.) 15 ga. tube and/or Gator Grip, a cross brace of 1-1/2" x 1-1/2" x 3/16" angle and Gator Grip, a mount of 1/4" x 1-1/2" flat or 1/4" plate, and a base and gussets constructed of 7 ga. sheet, all solid welded. Model # 960 is shaped like a ladybug, and Model # 961 is shaped like a bumblebee. The "C" springs shall be constructed of 3/8" or 7/16" spring steel, 4" wide by approximately 41-1/2" long, bent 180 degrees to form a large "C". Security plate and spacers shall be constructed of 1/4" flat sheet. Anchor bolts shall be 1/2" -13 x 12" mechanically galvanized steel with 2" of threads running from the end and a 90 degree bend at approximately 1-1/4" from the opposite end. All hardware shall be fastener style A. The rider bodies shall have color molded in. The Lady Bug shall have molded in color for the spots and molded in decals for the eyes. The BumbleBee shall have molded in black color for the stripes, and molded in decals for the eyes. Handholds shall have a galvanized finish. The "C" springs, security plates, and spacers shall be finished in powdercoat.

Project name: Cabwaylingo State Forest



Playgrounds Fun & Easy!



Site address: Route 1

Dunlow

west virginia

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USA

Sales representative: Virginia Playground Services

## Specification Documents

Project number:

LP847\_40322485995\_2

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Date: 2010-05-26 11:11:56

Product specifications listed were correct at the time of publication. However, Little Tikes Commercial Play Systems has a history and policy of continuous product development and improvement and therefore reserves the right to improve, alter or discontinue specifications without notice.

Plastic Caps shall fit snugly into 127 mm (5") and 33 mm (1.315") tube ends and shall be injection molded Low Density Polyethylene. This plastic shall be stabilized against ultraviolet (UV) degradation and shall have color molded in. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.

Aluminum Caps shall fit snugly into 127 mm (5") tube ends. The Aluminum cap shall be made from SAE 413 aluminum with a minimum wall thickness of 4 mm. Prior to insertion into the post, all caps shall be painted per PPLT PAINT Specification. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.

-Paint shall be applied per PPLT PAINT Specification.

-Rotationally Molded Plastic Parts shall be molded per PPLT ROTO Specification.

-Textured Poly-Vinyl-Chloride coating shall be per PPLT PVC Specification.

Hardware: Bolts, Nuts, Screws, Threaded Spacers, Washers and Other Hardware used in the assembly of components shall be metric stainless steel and tamper resistant. All necessary hardware shall be provided.

Deck Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp attachment bracket shall be formed from 11 gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

Rail Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a minimum 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

Wing and Panel Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp wing bracket shall be formed from 7 gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant

fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

All Steel Tube Components shall comply with ASTM standards: A-500, or A-513. The steel tube components contain five layers including an inside galvanized coating, high tensile strength cold formed steel, hot dipped pure zinc meeting ASTM B-6 applied at 3.5 tenths of an once per square foot, and a proprietary conversion and advanced polymer coatings. The components are freed of excess weld spatter and shall be cleaned in a multiple bath system which shall include a rust-inhibitive iron phosphate wash prior to painting. Exceptions: 127 mm (5") O.D. aluminum posts.

-PPLT PAINT Specification: Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).

-PPLT ROTO Specification: Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.

-PPLT PVC Specification: Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.

13 GAUGE GALVANIZED STEEL POST shall be 127 mm (5") O.D., 13 gauge pre-galvanized round tubing. Minimum tensile strength shall be 330MPa (48,000 psi). Minimum yield point shall be 310MPa (45,000 psi). The bottom portion of all upright posts shall be crimped slightly to enhance retention in concrete footings. Plastic caps shall fit into the uncrimped end of the 127 mm (5") tube. After fabrication, all posts shall be painted per PPLT PAINT Specification.

KID BUILDERS™ TIRE SWING beam and uprights shall be fabricated from 127 mm (5") O.D. 11 gauge pre-galvanized steel. The molded tire shall contain a steel re-inforcement ring fabricated from 33.4 mm (1.312") 14 gauge pre-galvanized steel tubing. The steel components shall be painted per PPLT PAINT Specification. Tire Swings shall be rotationally molded per PPLT ROTO Specification. Swing chains shall be 4/0 straight link galvanized steel coated per PPLT PVC Specification. The tire swing mounting hardware shall include an automotive-type U-joint assembly protected by a rubber bellows and a turning collar with grease fitting provided.

STAINLESS STEEL DOUBLE WIDE SLIDE bed way shall be 755 mm (29.7") wide single piece 16 gauge 304 stainless steel. 11 gauge steel brackets shall reinforce the entrance and exit of the slide. Side rails shall be 32 mm (1.25") wide x 105 mm (4.125") high 11 gauge "D" style aluminum, closed by cast aluminum end caps permanently riveted in place. Single rail on slide entrance point shall be fabricated from 33 mm (1.315") O.D. galvanized tubing. Slide end support shall be fabricated from 38 mm (1.5") square tubing. All steel tubing shall be painted per PPLT PAINT Specification.

VINYL CLAD STEP LADDER shall be a one piece all welded assembly coated per PPLT PVC Specification. The stair/step assembly shall be fabricated from punched 13 gauge hot rolled sheet steel. The stair/step assembly shall attach to the deck edge and shall be supported by 25.4 mm (1") O.D. x 14 gauge pre-galvanized posts at the bottom riser. Handrails shall be fabricated from 33 mm (1.315") x 11 gauge pre-galvanized steel tubing. Enclosure shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing, 3 mm (11 gauge) pre-galvanized sheet steel and 4.5 mm (7 gauge) sheet steel. Handrails and enclosures shall be painted per PPLT PAINT Specification.

SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.46 square meters (2,275 square inches) of top surface area, be a one-piece construction and be designed to maintain a full 1.2 m (48") on center post spacing. Metal decks shall be fabricated from 13 gauge hot rolled steel which shall be punched, formed and reinforced with welded in place 11 gauge strips and 7 gauge plates. Decks shall have a pattern of equally spaced holes on each edge to provide flush mounting of play events that attach to the deck. This hole pattern shall allow multiple decks to be assembled at the same level providing a surface without size limitations. This assembly shall be coated per PPLT PVC Specification.

SAFETY RAIL shall be fabricated from a combination of 33.4 mm (1.312") O.D. pre-galvanized steel tubing and 3/4" X 1" FSO pre-galvanized steel tubing. Side plates shall be fabricated from 3 mm (11 gauge) pre-galvanized sheet steel. Deck mounted safety rails shall have a bottom plate fabricated from 3 mm (11 gauge) pre-galvanized sheet steel. The Safety Rails provide a non-climbable enclosure and shall have no gaps greater than 76 mm (3") and less than 254 mm (10"), especially between vertical rungs and posts. After assembly, panel shall be painted per PPLT PAINT Specification.

Project name: Cabwaylingo State Forest



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# Specification Documents

Project number:

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Date: 2010-05-26 11:12:02

Please, read all information in this manual before starting to install your equipment.

**-PPLT PAINT Specification:** Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).

**-PPLT ROTO Specification:** Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.

**-PPLT PVC Specification:** Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.

**HEAVY DUTY SWING (All Seats) beam** shall be fabricated from 60 mm (2.375") O.D. 5 gauge pre-galvanized steel tube. Swing legs shall be fabricated from 60 mm (2.375") O.D. 10 gauge pre-galvanized steel pipe. Swing yokes shall be fabricated from 73 mm (2.875") O.D. 6 gauge pre-galvanized steel. The beam and uprights shall painted per PPLT PAINT Specification. Anti Wrap-over swing bearings (U.S. Patent 6,123,480) shall be fabricated from 415D sand cast Aluminum Bronze with injection molded nylatron plastic sleeve. Swing chains shall be 4/0 straight link galvanized steel. All seats shall have ultraviolet (UV) light stabilizers, anti-static guard and black color molded in. Swings seats shall be flame retardant and also provide excellent chemical resistance.

Standard Belt Swing Seats shall be heavy duty construction, fabricated from 70 durometer EPDM rubber with a tempered steel insert molded inside, rendering them slash proof.

Tot Swing Seats shall be heavy duty construction, fabricated from black EPDM rubber with a tempered steel insert molded inside, rendering them slash proof. Tot seat shall be fully enclosed to prevent slipping out and provide lower back support. Two sizes of leg cutouts make this seat versatile enough to accommodate larger children with special needs also.

Duraglide Standard Swing Seat shall be molded using water-blown integral skin Polyurethane foam. This material yields excellent physical properties while providing a soft comfortable feel. The internal reinforcing plate shall be 2.3 mm (.09") thick steel. Attachment loops shall be formed from 8 mm (.311") diameter 304 stainless steel rod with a tensile strength of 586mpa (85,000psi).

The Inclusive Swing Seat shall be rotationally molded per PPLT ROTO Specification with molded in graphics. The assembly contains 9.5mm (3/8") steel zinc-dichromate plate and 33 mm (1.315") O.D. pre-galvanized steel tubing painted per PPLT PAINT Specification. Chains for Inclusive Seat shall be coated per PPLT PVC Specification.

STANDARD SWING WITH TOT SEAT beams shall be fabricated from 60 mm (2.375") O.D. 5 gauge pre-galvanized steel pipe. Swing legs shall be fabricated from 60 mm (2.375") O.D. 10 gauge pre-galvanized steel pipe. Swing yokes shall be fabricated from 73 mm (2.875") O.D. 6 gauge pre-galvanized steel. The steel components shall be painted per PPLT PAINT Specification. Anti Wrap-over swing bearings (U.S. Patent 6,123,480) shall be fabricated from 415D sand cast Aluminum Bronze with injection molded nylon plastic sleeve. Swing chains shall be 4/0 straight link galvanized steel. Tot Swing Seats shall be heavy duty construction, fabricated from black EPDM rubber with a tempered steel insert molded inside, rendering them slash proof. Tot seat shall be fully enclosed to prevent slipping out and provide lower back support. Two sizes of leg cutouts make this seat versatile enough to accommodate larger children with special needs also.



Project name: Cabwaylingo State Forest



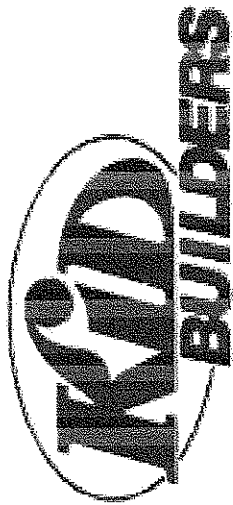
Playgrounds Fun & Easy!

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USA



Sales representative: Virginia Playground Services

## Specification Documents

Project number:

LP847\_40322659340\_2

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Date: 2010-05-26 11:03:28

Product specifications listed were correct at the time of publication. However, Little Tikes Commercial Play Systems has a history and policy of continuous product development and improvement and therefore reserves the right to improve, alter or discontinue specifications without notice.

Plastic Caps shall fit snugly into 127 mm (5") and 33 mm (1.315") tube ends and shall be injection molded Low Density Polyethylene. This plastic shall be stabilized against ultraviolet (UV) degradation and shall have color molded in. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.

Aluminum Caps shall fit snugly into 127 mm (5") tube ends. The Aluminum cap shall be made from SAE 413 aluminum with a minimum wall thickness of 4 mm. Prior to insertion into the post, all caps shall be painted per PPLT PAINT Specification. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.

-Paint shall be applied per PPLT PAINT Specification.

-Rotationally Molded Plastic Parts shall be molded per PPLT ROTO Specification.

-Textured Poly-Vinyl-Chloride coating shall be per PPLT PVC Specification.

Hardware: Bolts, Nuts, Screws, Threaded Spacers, Washers and Other Hardware used in the assembly of components shall be metric stainless steel and tamper resistant. All necessary hardware shall be provided.

Deck Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp attachment bracket shall be formed from 11 gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

Rail Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a minimum 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

Wing and Panel Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12 gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp wing bracket shall be formed from 7 gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant

fasteners shall be used to retain clamps and shall consist of M10 six lobe socket stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

All Steel Tube Components shall comply with ASTM standards: A-500, or A-513. The steel tube components contain five layers including an inside galvanized coating, high tensile strength cold formed steel, hot dipped pure zinc meeting ASTM B-6 applied at 3.5 tenths of an once per square foot, and a proprietary conversion and advanced polymer coatings. The components are freed of excess weld spatter and shall be cleaned in a multiple bath system which shall include a rust-inhibitive iron phosphate wash prior to painting. Exceptions: 127 mm (5") O.D. aluminum posts.

-PPLT PAINT Specification: Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).

-PPLT ROTO Specification: Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.

-PPLT PVC Specification: Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.

13 GAUGE GALVANIZED STEEL POST shall be 127 mm (5") O.D., 13 gauge pre-galvanized round tubing. Minimum tensile strength shall be 330MPa (48,000 psi). Minimum yield point shall be 310MPa (45,000 psi). The bottom portion of all upright posts shall be crimped slightly to enhance retention in concrete footings. Plastic caps shall fit into the uncrimped end of the 127 mm (5") tube. After fabrication, all posts shall be painted per PPLT PAINT Specification.

ACCORDION CLIMBER shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. The End Support for the Accordion Climbers shall be fabricated from 48.3 mm (1.90") O.D. pre-galvanized tube. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts shall be painted per PPLT PAINT Specification.

POMMEL CLIMBER shall be fabricated from 33 mm (1.315") x 14 gauge pre-galvanized steel tubing. Brackets shall be fabricated from 4.554 (.179") mild steel. Pommels shall be fabricated from E.P.D.M. 50 duro black rubber with a steel insert molded inside, rendering them slash proof. Enclosure for 1220 mm and 1625 mm climber shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. Enclosure for 1830 mm climber shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing, 3 mm (11 gauge) pre-galvanized sheet steel and 4.5 mm (7 gauge) sheet steel. After assembly, panels shall be painted per PPLT PAINT Specification.

Wings of Infinity Climber: Handholds and blanks shall be rotationally molded per PPLT ROTO Specification. The Support post shall be fabricated from 88.9mm (3.5") O.D. 11 ga. and 42.2mm (1.625") O.D. pre-galvanized tubing. The support post shall be painted per PPLT PAINT Specification.

CURLY CLIMBER shall be of a design which will not allow children to climb into the interior of the coil. Curly Climber coils shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. The center support post shall be fabricated out of 42.2 mm (1.66") O.D. pre-galvanized steel tubing. Enclosure shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. Curly Climbers shall be an all welded construction and shall be painted per PPLT PAINT Specification.

LARGE SQUARE DECKS WITH CLIMBERS shall be two piece and cover a minimum of 2.46 square meters (3,751 square inches) of top surface area. Metal decks shall be fabricated from 13 gauge hot rolled steel which shall be punched, formed and reinforced with welded in place 11 gauge strips and 7 gauge corner plates. Decks shall have a pattern of equally spaced holes on each edge to provide flush mounting of play events that attach to the deck. This hole pattern shall allow multiple decks at the same level to be assembled providing a surface without size limitations. This assembly shall be coated per PPLT PVC Specification. Ladders shall be one piece welded construction with 33.4 (1.312") diameter galvanized steel tubing vertical rails and 25.4 (1") galvanized steel tubing horizontal rails. Enclosure shall be fabricated from 33.4 (1.312") galvanized steel tubing and 3/4" X 1" FSO pre-galvanized steel tubing with 11 ga pre-galvanized steel plate. Ladders and Enclosure shall be painted per PPLT PAINT Specification.

Project name: Cabwaylingo State Forest



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Sales representative: Virginia Playground Services

## Specification Documents

Project number:

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Date: 2010-05-26 11:03:38

- PPLT PAINT Specification: Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).
- PPLT ROTO Specification: Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.
- PPLT PVC Specification: Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.
- HEAVY DUTY SWING (All Seats) beam shall be fabricated from 60 mm (2.375") O.D. 5 gauge pre-galvanized steel tube. Swing legs shall be fabricated from 60 mm (2.375") O.D. 10 gauge pre-galvanized steel pipe. Swing yokes shall be fabricated from 73 mm (2.875") O.D. 6 gauge pre-galvanized steel. The beam and uprights shall painted per PPLT PAINT Specification. Anti Wrap-over swing bearings (U.S. Patent 6,123,480) shall be fabricated from 415D sand cast Aluminum Bronze with injection molded nylatron plastic sleeve. Swing chains shall be 4/0 straight link galvanized steel. All seats shall have ultraviolet (UV) light stabilizers, anti-static guard and black color molded in. Swings seats shall be flame retardant and also provide excellent chemical resistance.
- Standard Belt Swing Seats shall be heavy duty construction, fabricated from 70 durometer EPDM rubber with a tempered steel insert molded inside, rendering them slash proof.

Tot Swing Seats shall be heavy duty construction, fabricated from black EPDM rubber with a tempered steel insert molded inside, rendering them slash proof. Tot seat shall be fully enclosed to prevent slipping out and provide lower back support. Two sizes of leg cutouts make this seat versatile enough to accommodate larger children with special needs also.

Duraglide Standard Swing Seat shall be molded using water-blown integral skin Polyurethane foam. This material yields excellent physical properties while providing a soft comfortable feel. The internal reinforcing plate shall be 2.3 mm (.09") thick steel. Attachment loops shall be formed from 8 mm (.311") diameter 304 stainless steel rod with a tensile strength of 586mpa (85,000psi).

The Inclusive Swing Seat shall be rotationally molded per PPLT ROTO Specification with molded in graphics. The assembly contains 9.5mm (3/8") steel zinc-dichromate plate and 33 mm (1.315") O.D. pre-galvanized steel tubing painted per PPLT PAINT Specification. Chains for Inclusive Seat shall be coated per PPLT PVC Specification.

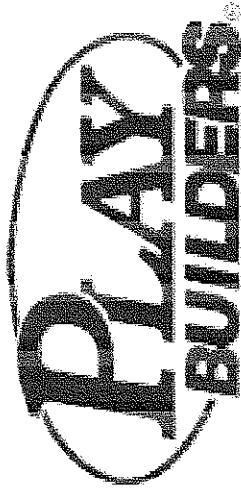
STANDARD SWING WITH BELT SEAT beams shall be fabricated from 60 mm (2.375") O.D. 5 gauge pre-galvanized steel pipe. Swing legs shall be fabricated from 60 mm (2.375") O.D. 10 gauge pre-galvanized steel pipe. Swing yokes shall be fabricated from 73 mm (2.875") O.D. 6 gauge pre-galvanized steel. The steel components shall be painted per PPLT PAINT Specification. Anti Wrap-over swing bearings (U.S. Patent 6,123,480) shall be fabricated from 415D sand cast Aluminum Bronze with injection molded nylon plastic sleeve. Swing chains shall be 4/0 straight link galvanized steel. Standard Belt Swing Seats shall be heavy duty construction, fabricated from 70 durometer EPDM rubber with a tempered steel insert molded inside, rendering them slash proof.

CLASSIC 4 WHEELER shall be fabricated from pre-galvanized steel tube, typically 33.4 mm (1.315") in diameter and 16 gauge galvanized sheet steel panel. Steering wheels shall be cast in alloy 319 aluminum of the Aluminum-Zinc-Magnesium type and comply to ASTM SC64d, UNS-A03191, QQA-371e, and QQA-596d standards. Headlights shall be made from SAE 413 aluminum. All steel components shall be painted per PPLT PAINT Specification. Seating for four shall be fabricated from 13 gauge sheet steel which shall be punched, formed and coated per PPLT PVC Specification.

Project name: Cabwaylingo State Forest



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Sales representative: Virginia Playground Services

## Specification Documents

Project number:

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Date: 2010-05-26 11:03:33

- Product specifications listed were correct at the time of publication. However, Little Tikes Commercial Play Systems has a history and policy of continuous product development and improvement and therefore reserves the right to improve, alter or discontinue specifications without notice.
- Plastic Caps shall fit snugly into 89 mm (3.5"), 33 mm (1.315"), and 25 mm (1") diameter pipe ends. Plastic caps for 89 mm (3.5") shall be injection molded polypropylene. Plastic caps for 33 mm (1.315") and 25 mm (1") shall be injection molded low density polyethylene. This plastic shall be stabilized against ultraviolet (U.V.) degradation and shall have color molded in. All caps shall be pre-installed at the factory.
- Brackets shall be fabricated from punched and formed 4.5 mm pre-galvanized sheet steel.
- Gaskets shall be rubber injection molded from ultraviolet (U.V.) protected synthetic rubber. Rubber gaskets shall provide an aesthetic seal around the wonder fastener and bracket.
- Paint shall be applied per PPLT PAINT Specification.
- Rotationally Molded Plastic Parts shall be molded per PPLT ROTO Specification.
- Hardware: Bolts, Nuts, Screws, Threaded Spacers, Washers and Other Hardware used in the assembly of components shall be Stainless Steel and be tamper resistant. All necessary hardware shall be provided.
- Textured Poly-Vinyl-Chloride coating shall be per PPLT PVC Specification.
- PPLT PAINT Specification: Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400 and 500 degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).
- PPLT ROTO Specification: Rotationally Molded Plastic Parts shall be molded from linear low density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.
- PPLT PVC Specification: Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.
- STEEL POST shall be 89 mm (3.5") O.D., 11 gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Plastic caps shall be positioned in the top of each post. Posts shall be painted per PPLT PAINT Specification.



VINYL CLAD STEP LADDER shall be a one piece all welded assembly coated per PPLT PVC Specification. The stair/step assembly shall be fabricated from punched 13 gauge hot rolled sheet steel. The stair/step assembly shall attach to the deck edge and shall be supported by 25.4 mm (1") O.D. x 14 gauge pre-galvanized posts at the bottom riser. Handrails shall be fabricated from 33 mm (1.315") x 11 gauge pre-galvanized steel tubing. Enclosure shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing, 3/4" X 1" FSO pre-galvanized steel tubing and 4.5 mm (7 gauge) galvanized sheet steel. Handrails and enclosures shall be painted per PPLT PAINT Specification.

SAFETY RAIL shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized tubing with 3 mm (11 gauge) pre-galvanized sheet steel. The Safety Rails provide a non-climbable enclosure and shall have no gaps greater than 76 mm (3") and less than 254 mm (10"), especially between vertical rungs and posts. Deck mounted safety rails shall have a bottom plate fabricated from 3 mm (11 gauge) pre-galvanized sheet steel. The vertical rungs of safety rails shall be flattened prior to welding to the horizontal top and bottom bar or plate, and shall be welded continuously around the entire perimeter. After fabrication, all steel components shall be painted per PPLT PAINT Specification.

STAINLESS STEEL DOUBLE WIDE SLIDE shall be 755 mm (29.7") wide single piece 16 gauge 304 stainless steel. 11 gauge steel brackets shall reinforce the entrance and exit of the slide. Side rails shall be 32 mm (1.25") wide x 105 mm (4.125") high "D" style aluminum, closed by cast aluminum end caps permanently riveted in place. Single rail on slide entrance shall be fabricated from 33 mm (1.315") O.D. galvanized tubing. Slide end support shall be fabricated from 38 mm (1.5") square tubing. All steel tubing shall be painted per PPLT PAINT Specification.

SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.03 square meters (1,596 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.