



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:
DNR210031

PAGE:
1

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

*Southern Play Ground
 PO Box 4505
 VIRGINIA BEACH, VA
 23454*

DIVISION OF NATURAL RESOURCES
 CEDAR CREEK STATE PARK
 ATTN: PARK SUPERINTENDENT
 ROUTE 1, BOX 9
 GLENVILLE, WV
 26351 462-7158

DATE PRINTED 09/03/2009	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
BID OPENING DATE: 10/06/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38	<i>82634.20</i>	<i>82634.20</i>
<p>PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK</p> <p>REQUEST FOR QUOTATION (RFQ)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES IS SOLICITING BIDS FROM RESPONSIBLE VENDORS FOR NEW PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 09/15/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED.</p> <p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT A BID TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING AND IN ANY FORMAT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER</p>						

RECEIVED
 2009 OCT -6 AM 9:53
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: *757 943 1225* DATE: *10-5-09*

TITLE: *President* FEIN: *54-0983230* ADDRESS CHANGES TO BE NOTED ABOVE

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

**play&park
structures®**
Gateway to Imaginative Play

P.O. Box 680121
Fort Payne, AL 35967
256-997-5212 – phone
256-997-5312 – fax
mikeh@plavcore.com

October 5, 2009

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
P.O. Box 60130
Charleston, WV 25305-0130

RE: Park Structures Drawings # 619-48563, 619-48564,
619-48565 & 619-48566 – Cedar Creek Playgrounds

To Whom It May Concern:

This letter will serve to confirm that the equipment referenced above was designed to conform to or exceed the applicable ASTM standards (F1487-07). Further, some units have specific play events, platforms, and routes of travel for the differently abled. Those events conform to the applicable portions of ADA. Additionally, ASTM compliance has been certified by IPEMA (for a full listing of IPEMA certified products, please see Play & Park Structures' product listing at the IPEMA website at www.IPEMA.org).

Sincerely,

PlayCore



Mike Hawkins
Vice President,
Corporate Risk Management,
Insurance and Legal Affairs

Bid Opening Delayed
Rescheduled to Open on
10/20/09 10-29-09
11-12-09

RFQ No: DNR 210031
Buyer: Krista Ferrell
Bid Opening Date: 10/20/09
Bid Opening Time: 1:30pm

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



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
DNR210031

PAGE
2

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES
 CEDAR CREEK STATE PARK
 ATTN: PARK SUPERINTENDENT
 ROUTE 1, BOX 9
 GLENVILLE, WV
 26351 462-7158

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/03/2009				

BID OPENING DATE: **10/06/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ORDER.</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>RFQ. NO.: DNR210031</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 757 943 1225	DATE 10-5-09
TITLE PRESIDENT	FAX 54-0983 230	ADDRESS CHANGES TO BE NOTED ABOVE

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



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
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3

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

RFQ COPY
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RFQ COPY

SHIP TO

DIVISION OF NATURAL RESOURCES
 CEDAR CREEK STATE PARK
 ATTN: PARK SUPERINTENDENT
 ROUTE 1, BOX 9
 GLENVILLE, WV
 26351 462-7158

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
09/03/2009				

BID OPENING DATE: **10/06/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE: 10/06/2009 BID OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 757 431 0036 CONTACT PERSON (PLEASE PRINT CLEARLY): Scott DeBor ***** THIS IS THE END OF RFQ DNR210031 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Scott DeBor* TELEPHONE **757 943 1225** DATE **10-5-06**
 TITLE **PRESIDENT** FEIN **54-0983230** ADDRESS CHANGES TO BE NOTED ABOVE

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

Cedar Creek State Park
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 Proposal.

Item No.	Equipment	Manufacturer	Model
1	Bathhouse # 1 Area Playground Henderson custom play structure, Model #PF09679R0, or equal.	PLAY & PARK STRUCTURES	619-48563
2	Laundry/Bathhouse Area Playgrounds Henderson custom play structure, Model #PF09680R0, or equal.	"	619-48564
3	Bathhouse #3 Area Playground Henderson custom play structure, Model #PF09681R0, or equal.	"	619-48565
4	One Room School Area Playground Henderson custom play structure, Model #PF09682R0, or equal.	"	619-48566
5	One Room School Area Playground Area Henderson 1- bay arch wing 8' complete with belt seats, Model #SW340, or equal.	"	67558 w/67587
6	One Room School Area Playground Area Henderson arch swing 8' extend a half bay complete with baby seat, Model #SW342, or equal.	"	67620 w/67583
7	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms funtimber with spike, Model #FTB-00002, or equal.	"	67757

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
8	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms filter ends, Model #ADJ-00008, or equal.	PLAY + PARK STRUCTURES	67852
9	Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area geo-textile fabric, or equal.	COLONIAL CONSTRUCTION MATERIALS	FILTER FABRIC
10	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area engineered wood fiber @ 8" compacted depth.	LEAGER BROTTERS	WOOD CARPET

Cedar Creek State Park Playground Equipment

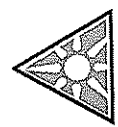
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Bathhouse # 1 Area Playground Henderson custom play structure, Model #PF09679RO, or equal.	8905.00	8905.00
2	1	Laundry/Bathhouse Area Playgrounds Henderson custom play structure, Model #PF09680RO, or equal.	8910.00	8910.00
3	1	Bathhouse #3 Area Playground Henderson custom play structure, Model #PF09681RO, or equal.	19460.00	19460.00
4	1	One Room School Area Playground Henderson custom play structure, Model #PF09682RO, or equal.	32273.00	32273.00
5	1	One Room School Area Playground Area Henderson 1-bay arch wing 8' complete with belt seats, Model #SW340, or equal.	880.00	880.00
6	1	One Room School Area Playground Area Henderson arch swing 8' extend a half bay complete with baby seat, Model #SW342, or equal.	792.00	792.00
7	168	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms funtimber with spike, Model #FTB- 00002, or equal.	31.35	5266.80
8	8	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms filter ends, Model #ADJ-00008, or equal.	35.00	280.00
9	6,985 square feet	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area geo-textile fabric or equal.	.13	908.05
10	6,985 square feet	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area engineered wood fiber @ 8" compacted depth.	.71	4959.35
			TOTAL	52634.20

play&park
structures
Gateway to Imaginative Play™

Cedar Creek State Park

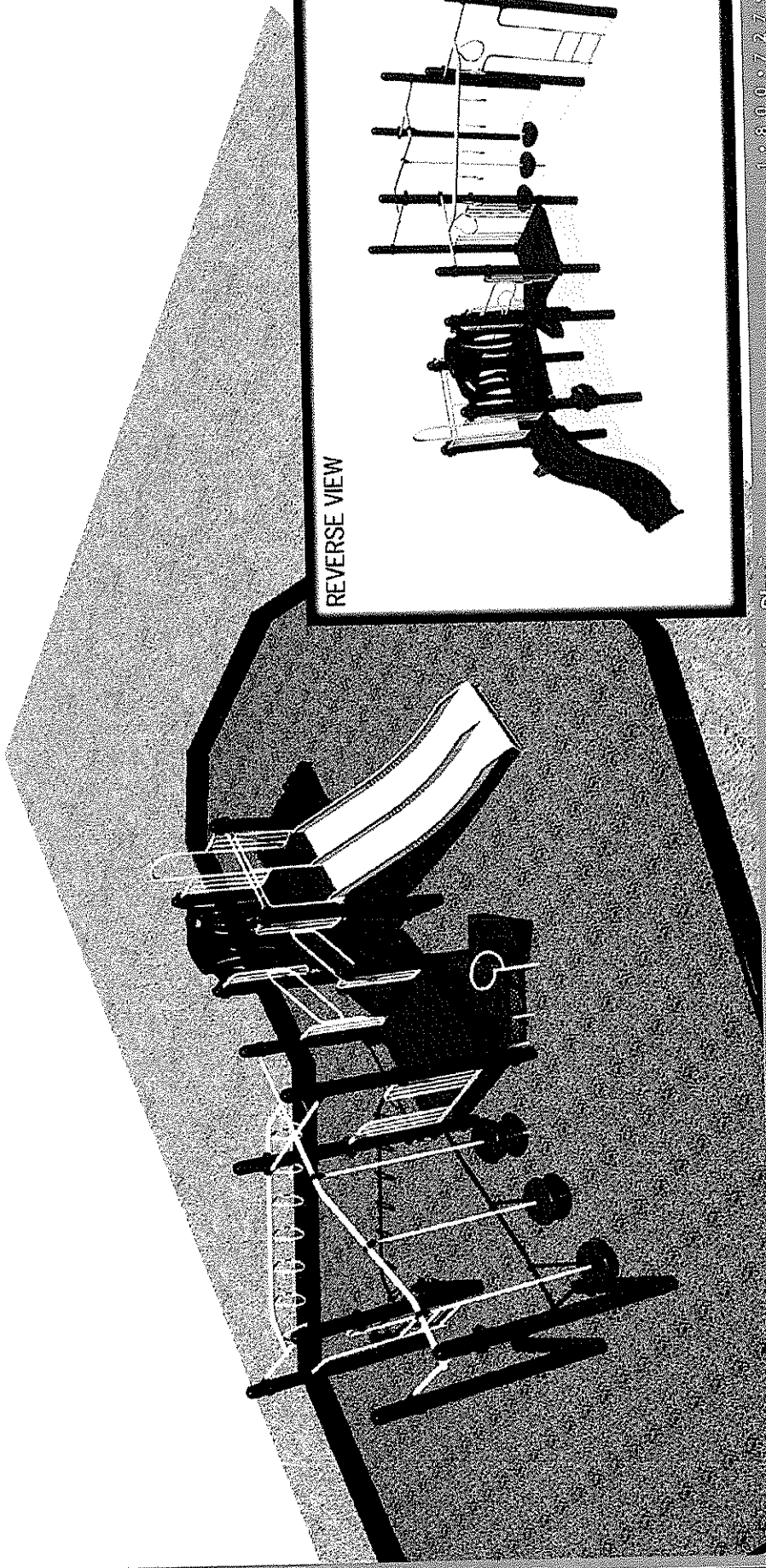
Glennville, WV.



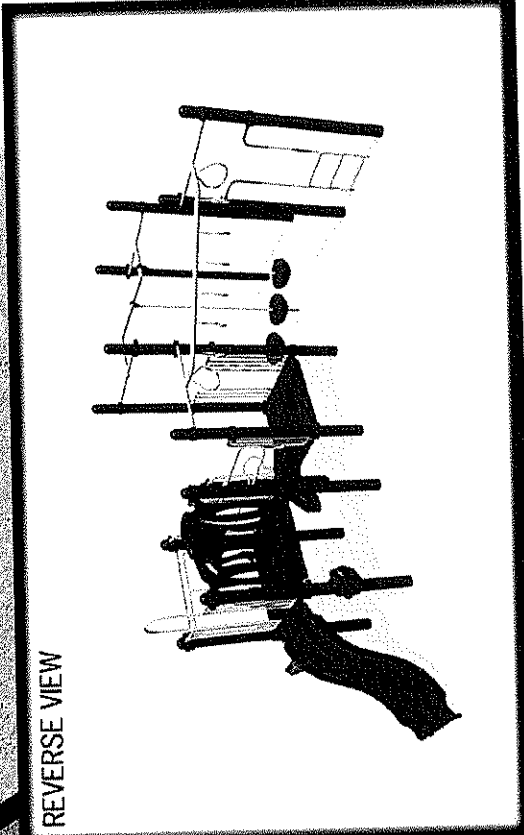
S O U T H E R N
P L A Y G R O U N D

P.O. Box 4505
500 Central Drive # 109
Virginia Beach, VA 23454
1-757-431-0057 info@southernplayground.com

1-800-257-1314



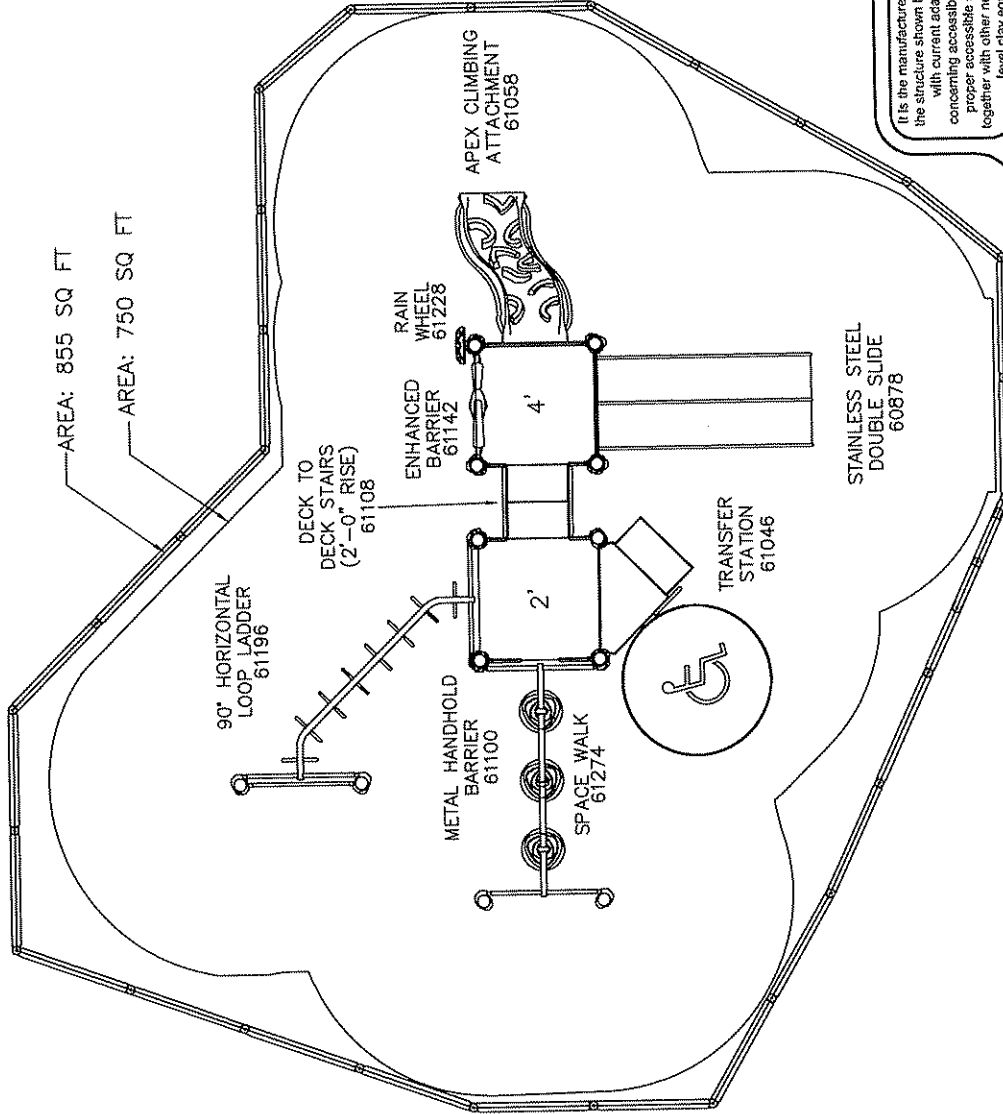
REVERSE VIEW



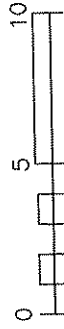


36' - 10"

AREA: 855 SQ FT
AREA: 750 SQ FT



33' - 0"



It is the manufacturer's opinion that the structure shown herein complies with current ADA standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment.

Total Elevated Play Components	4	0	Required
Total Elevated Play Components Accessible By Ramp	0	0	Required
Total Elevated Play Components Accessible By Transfer	4	4	Required
Total Accessible Ground Level Components Shown	1	1	Required
Total Different Types Of Ground Level Components	1	1	Required

Minimum Area Required:
36'-10" x 33'-0"
Scale: 1/4" = 1'

This drawing can be scaled only when in an 11" x 17" format

IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

This play equipment is recommended for children ages 5-12

Drawn By:
J. Swieclchowski
Date:
10/1/09
Drawing Name:
619-48563

Cedar Creek State Park
Bathhouse #1 Area Playground
Glenville, WV 26351
Representative
Southern Playground

play&park structures
401 Chestnut St., Ste. 310
Chattanooga, TN 37402
800-727-1907
www.playandpark.com

10/1/2009

Cedar Creek State park
Bathhouse #1 Area Playground
Drawing 619-48563

Park Play Specifications

General System Specifications:

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Park Timbers

Park Timbers

Play & Park Structures has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

Recycled Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% recycled/reclaimed linear low density polyethylene. Walls are 3/16" thick.

Color Option Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% linear low density polyethylene. Walls are 3/16" thick.

Stake: 3/4" diameter x 2'-6" long steel shaft, hot dip galvanized.

SuperMax Specifications

General System Specifications:

SuperMax features 5" O.D. uprights with a high-strength aluminum alloy clamp fastening system finished with a polyester powder-coat. All uprights shall receive factory installed aluminum post caps and will ship with labels for manufacturer identification.

All decks and components shall connect using the aluminum alloy clamping system. All climbing attachments shall include a 15" wide deck entry archway to control deck access to one child at a time and help prevent inadvertent falls.

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Clamps

All clamps are cast of high-strength 356 aluminum. All clamps are 1-3/4" wide with a minimum wall thickness of 3/8", and are powder-coated to match the post color. Each casting is precision-drilled to receive a 1/4" x 1-3/4" zinc-plated steel hinge pin. The hinging design facilitates installation and ensures a snug fit between clamp and post. Each clamp is secured in place using a 1/4" x 3/4" aluminum drive rivet to prevent slippage or rotation on the post. Fasteners for clamps are stainless steel 3/8" x 1-1/2" special tamper-resistant pinned bolt with locking patch, and a heavy hex nut, which fits in a recess, cast into the clamp. The pinned head requires a special tool for fastening (provided with each structure), thus ensuring vandal-resistance.

All clamps receiving rungs are drilled and tapped to receive a 3/8" x 3/8" stainless steel cone-point set screw with locking patch, which prevents the rungs from turning or being pulled out. The 1-5/16" O.D. rungs terminate inside the clamp, thereby eliminating the need for end caps. The aluminum alloy used in the casting of clamps shall meet the following mechanical properties:

Ultimate Tensile Strength - 45,000 psi
Yield Strength - 26,000 psi
Shear Strength - 40,000 psi
Elongation - 8 %

Rotationally Molded Plastics

All Rotationally Molded Products are manufactured from linear low-density polyethylene UV-stabilized color and an anti-static compound additive. The tensile strength of this material is to be 2500 PSI as defined by ASTM D638. The typical wall thickness will be .250" (1/4"). All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed

the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790).

Polyester Powder-Coating Process

Powder-coat shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D 2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Oven-bake Stability 100% at 400 degrees Fahrenheit.

Hardware

All nuts, bolts, and washers, with exceptions noted, shall be 3/8" diameter 18-8 stainless steel in varying lengths, with a vandal-resistant hex-pinned head configuration and factory-applied locking patch. When allowed a 72-hour cure time, the locking patch will prevent the bolt from loosening without at least 4 times the installation torque. Play & Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment. 1/2" diameter Ramp and Arch Bridge connecting hardware shall be Grade 5 zinc-plated, and 3/8" Clatter Bridge security bolts shall be Grade 8 hardened and zinc-plated.

Plastisol Coating

All metal deck platforms, steps, bridge planks, ramps, kickplates, and chains are plastisol-coated. Each part is chemically washed and completely submerged in a special heat-activated primer and allowed to dry. Parts are then pre-heated and immersed in liquid poly-vinyl-chloride (plastisol). The PVC coating shall have a typical thickness of .080" to .120", and a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. Standard color is brown, with optional colors available. The following characteristics apply:

- Tensile Strength - 2,800 psi
- Elongation - 290 %
- Tear Strength - 420 lbs/in

Uprights, Aluminum

The posts shall be 5" outside diameter tubing with an 1/8" minimum wall thickness. The material shall be extruded from 6005-T5 seamless aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

Entry Archway

Entry Archway shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick stainless steel for attachment to clamp. The Entry Archway shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

Metal Components

Stainless Steel Slides

ENTRANCE ENCLOSURE shall be fabricated of 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick hot rolled steel for attachment to clamp. Deck attachment plate is fabricated from 11 gauge (.120" thick) hot rolled flat steel. The Entrance Enclosure shall be an all (stainless steel) welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

STAINLESS STEEL SLIDE has a one-piece, seamless bedway fabricated of .063" (16 gauge) type 304-2B stainless steel with a minimum Tensile Strength of 95,000 psi and a minimum Yield Strength of 40,000 psi. This material shall meet or exceed the following specifications: AMS 5513, QQ-S-766 Amend. 1 Class, MIL-S-5058 Amend. 4 Class 1. The bed rails shall be fabricated from 1" O.D. x .049" (18 gauge) type 304 stainless steel tubing, welded to the sides of the die formed slide chute. The lower end of the chute shall be die formed to a radius so the end of the chute is nearly level to the ground to slow the user for landing, but still allow for water drainage. The bedway shall be 18" wide with 6-1/4" high sides.

SUPPORT PLATE is fabricated from 3/16" x 3-1/2" hot rolled flat steel. Support plate shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

Rotomolded Components

Apex Climber - Standard

ENTRY ARCHWAY shall be fabricated of 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick steel for attachment to clamp. The Entry Archway shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

MOUNTING BRACKET shall be formed from 1/4" x 2" hot-rolled steel plate. The Mounting Bracket shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

CLIMBER shall be rotationally molded from an extremely durable double-walled low-density polyethylene with (UV) light stabilizers and color molded in. This material complies with STM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2, Category 3, and has a minimum 1/4" wall thickness.

FOOTBUCKS are fabricated from 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with smashed end for attachment to climber. Footbuck shall be coated after fabrication with a custom formula of TGIC polyester powder coating

Enhanced Barrier

Enhanced Barrier: Shall be 3-1/2" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. Smashed pipe is made from 1.029" (15 gauge) O.D. galvanized pipe. Barrier slides over smashed pipe that is attached to deck. Barrier attaches to uprights using panel clamps.

Panel Cap is made from Butyl / 90 Durometer Black Rubber and attaches to Barrier via molded in inserts. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Rain Wheel

Rain Wheel shall be 2-1/2" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Back plate is 1/8" H.R. Steel with brass bushing. The Bracket consist of a 5" O.D. Half Clamp made of 3/16" x 3 1/2" H.R. Steel, 9 7/8" LG. and a Galvanized Steel Coupling Nut (Galvanized Steel).

Deck Components

Deck Platforms

Metal decks shall be a one-piece construction and shall be designed to maintain a full 48" on center post spacing. Metal decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed, and reinforced with welded in place 2-1/2" x 11 ga. steel strips. Decks shall include a pattern of equally spaced slots on each side to provide a flush mounting of play events that attach to the deck, as well as the design of more than one adjacent deck at the same height. Each deck shall have welded at the corner underside a threaded 3/8" stud for attachment to the post's Deck Clamps. This fastening technique eliminates the need for hardware protruding through the deck surface, thereby eliminating the possibility of an entanglement hazard and presenting a clean and smooth deck surface. Entire deck assembly, after fabrication, shall be dipped in a textured skid-resistant poly-vinyl-chloride (plastisol) coating to a minimum thickness of .080".

Transfer Station (Triangle)

The Platform and Step shall each be made from 12 gauge punched steel with a protective p&o finish. The Platform and Step shall each be a one-piece welded assembly finished with the matte PVC coating. The step shall have a minimum of 355 square inches of area per step and shall descend in increments of 8" or less, as specified by the Americans with Disabilities Act (ADA). Handhold and Platform Supports shall be fabricated from 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and 1 1/4" (14 gauge) pipe cap. Handhold and platform supports shall be all-welded assemblies and shall be coated with a custom formula of TGIC polyester powder.

Elevating Space Walk

Button Step: Shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Top Frame: Shall be an all welded assembly fabricated of 2.375" O.D. galvanized steel tubing (.095" wall thickness) and 1.66" O.D. galvanized steel tubing (.083" wall thickness). This assembly shall have a powder coat finish.

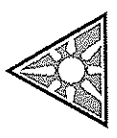
Hanger Weldment: Shall be an all welded assembly fabricated of 1.315" O.D. galvanized steel tubing (.083" wall thickness), a formed 12 gauge (.109") hot rolled flat steel plate, a 1/4" x 2" Stainless Steel Flat tab and a 1.063" O.D. cold rolled steel clevis. This assembly shall have a powder coat finish.

Attachment Pipe: Shall be fabricated of a 1.029" O.D. galvanized steel tubing (.072" wall thickness) smashed on both ends. This assembly shall have a powder coat finish.

Cedar Creek State Park

Glenville, WV.

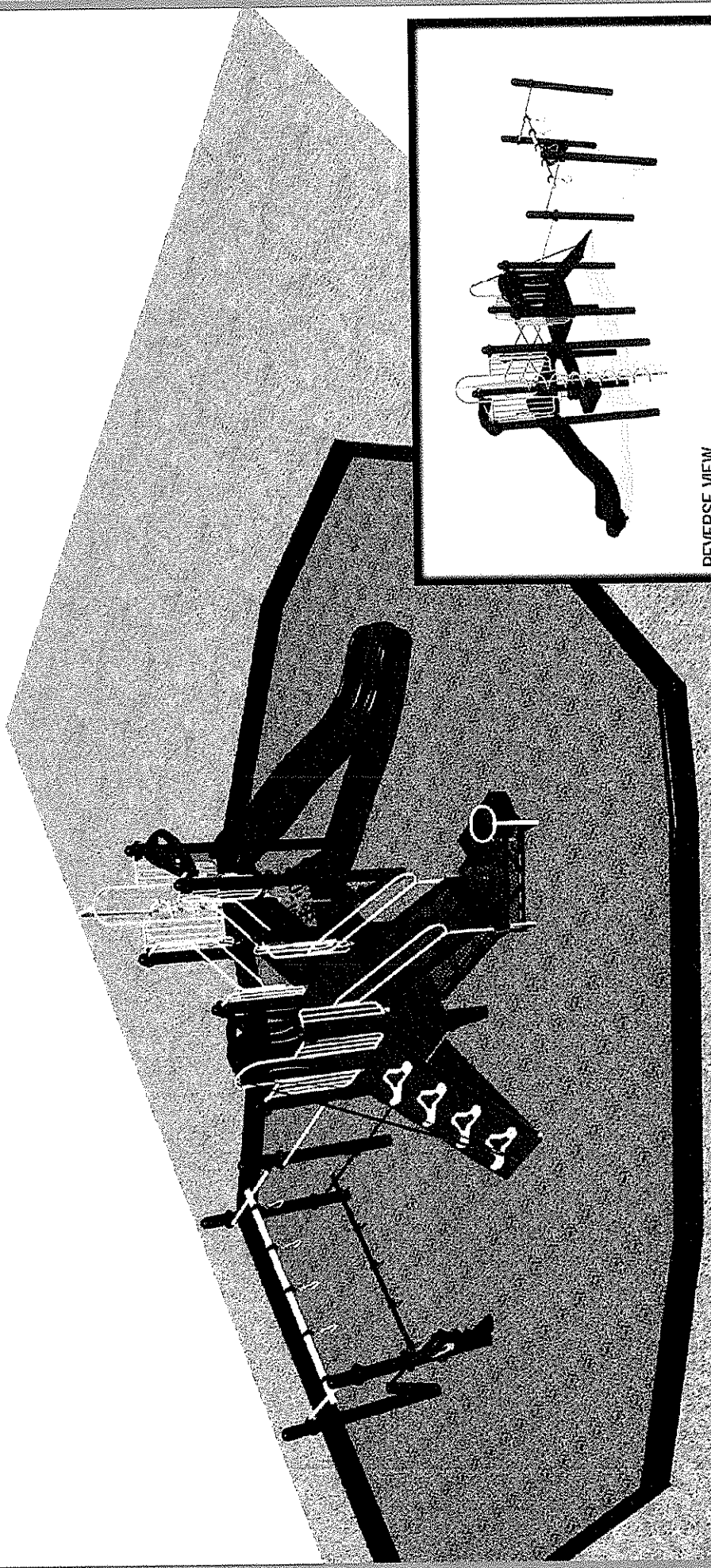
play&park
structures[®]
Gateway to Imaginative Play™



SOUTHERN
PLAYGROUND

P.O. Box 4505
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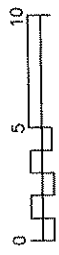
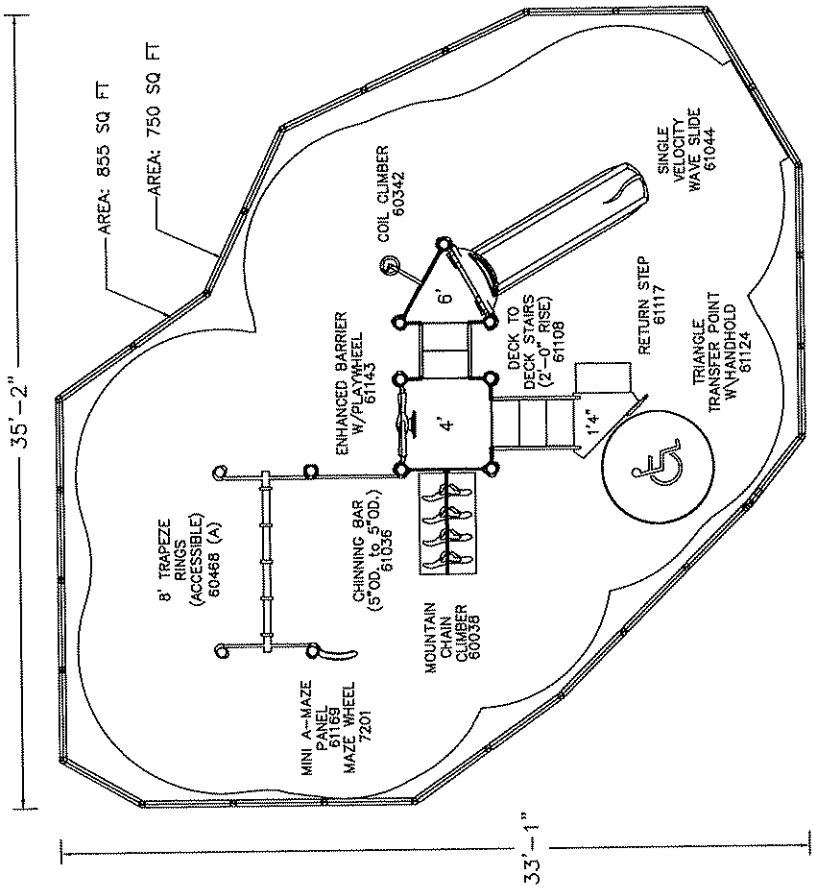


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Total Elevated Play Components	4	0	Required	0
Total Elevated Play Components Accessible By Ramp	0	4	Required	2
Total Elevated Play Components Accessible By Transfer	4	3	Required	1
Total Accessible Ground Level Components Shown	3	3	Required	1
Total Different Types Of Ground Level Components	3			

It is the manufacturer's opinion that the structure shown herein complies with current ADA standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment.

Minimum Area Required:
35'-2" X 33'-1"
Scale: 3/16" = 1'-0"
This drawing can be scaled only when in an 11" x 17" format

This play equipment is recommended for children ages 5-12

IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Drawn By:
J. Swieclchowski
Date:
10/1/09
Drawing Name:
619-46564

Cedar Creek State Park
Laundry/Bathroom Area Playground
Glenville, WV 26351
Representative
Southern Playground

play&park structures
ISO 9001 CERTIFIED
401 Chestnut St., Ste. 310
Chattanooga, TN 37402
800-727-1907
www.playandpark.com

10/1/2009

Cedar Creek State Park
Laundry/Bathhouse Area Playground
Drawing 619-48564

Park Play Specifications

General System Specifications:

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Other

Small Amaze Activity

Small Activity: The Triangle Housing and Caps shall be injection molded from color impregnated high density polyethylene. The Maze Bubble shall be injection molded from clear ABS plastic. The Echo Chamber, Answer Wheel, Knob and Maze shall be injection molded from color impregnated ABS plastic. The Flat Mirror shall be 1/8" thick Polycarbonate with a mirror finish applied to one side. The Stained Glass shall be 3/16" translucent Polycarbonate

Park Timbers

Park Timbers

Play & Park Structures has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

Recycled Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% recycled/reclaimed linear low density polyethylene. Walls are 3/16" thick.

Color Option Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% linear low density polyethylene. Walls are 3/16" thick.

Stake: 3/4" diameter x 2'-6" long steel shaft, hot dip galvanized.

SuperMax Specifications

General System Specifications:

SuperMax features 5" O.D. uprights with a high-strength aluminum alloy clamp fastening system finished with a polyester powder-coat. All uprights shall receive factory installed aluminum post caps and will ship with labels for manufacturer identification.

All decks and components shall connect using the aluminum alloy clamping system. All climbing attachments shall include a 15" wide deck entry archway to control deck access to one child at a time and help prevent inadvertent falls.

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Clamps

All clamps are cast of high-strength 356 aluminum. All clamps are 1-3/4" wide with a minimum wall thickness of 3/8", and are powder-coated to match the post color. Each casting is precision-drilled to receive a 1/4" x 1-3/4" zinc-plated steel hinge pin. The hinging design facilitates installation and ensures a snug fit between clamp and post. Each clamp is secured in place using a 1/4" x 3/4" aluminum drive rivet to prevent slippage or rotation on the post. Fasteners for clamps are stainless steel 3/8" x 1-1/2" special tamper-resistant pinned bolt with locking patch, and a heavy hex nut, which fits in a recess, cast into the clamp. The pinned head requires a special tool for fastening (provided with each structure), thus ensuring vandal-resistance.

All clamps receiving rungs are drilled and tapped to receive a 3/8" x 3/8" stainless steel cone-point set screw with locking patch, which prevents the rungs from turning or being pulled out. The 1-5/16" O.D. rungs terminate inside the clamp, thereby eliminating the need for end caps. The aluminum alloy used in the casting of clamps shall meet the following mechanical properties:

Ultimate Tensile Strength - 45,000 psi
Yield Strength - 26,000 psi
Shear Strength - 40,000 psi
Elongation - 8 %

Rotationally Molded Plastics

All Rotationally Molded Products are manufactured from linear low-density polyethylene UV-stabilized color and an anti-static compound additive. The tensile strength of this material is to be 2500 PSI as defined by ASTM D638. The typical wall thickness will be .250" (1/4"). All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed

the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790).

Polyester Powder-Coating Process

Powder-coat shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D 2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Oven-bake Stability 100% at 400 degrees Fahrenheit.

Hardware

All nuts, bolts, and washers, with exceptions noted, shall be 3/8" diameter 18-8 stainless steel in varying lengths, with a vandal-resistant hex-pinned head configuration and factory-applied locking patch. When allowed a 72-hour cure time, the locking patch will prevent the bolt from loosening without at least 4 times the installation torque. Play & Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment. 1/2" diameter Ramp and Arch Bridge connecting hardware shall be Grade 5 zinc-plated, and 3/8" Clatter Bridge security bolts shall be Grade 8 hardened and zinc-plated.

Plastisol Coating

All metal deck platforms, steps, bridge planks, ramps, kickplates, and chains are plastisol-coated. Each part is chemically washed and completely submerged in a special heat-activated primer and allowed to dry. Parts are then pre-heated and immersed in liquid poly-vinyl-chloride (plastisol). The PVC coating shall have a typical thickness of .080" to .120", and a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. Standard color is brown, with optional colors available. The following characteristics apply:

- Tensile Strength - 2,800 psi
- Elongation - 290 %
- Tear Strength - 420 lbs/in

Uprights, Aluminum

The posts shall be 5" outside diameter tubing with an 1/8" minimum wall thickness. The material shall be extruded from 6005-T5 seamless aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

Entry Archway

Entry Archway shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick stainless steel for attachment to clamp. The Entry Archway shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

HDPE Components

HDPE Panels

Panels shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiused and all corners rounded for safe play.

Metal Components

Coil Climber

Coil Climber consists of a 1-5/8" O.D. galvanized steel center tube with a 1-5/16" reduced end fitting for insertion into Vertical Pole Barrier. The coil is fabricated from a continuous 1-5/16" O.D. galvanized steel tube coiled to form a 10" diameter with maximum 11" clear spacing between each turn. Each open end of coiled tubing is welded shut, and the entire coiled tubing is welded to the 1-5/8" center pole at intervals using 1" O.D. galvanized tubing for connections. The entire Coil Climber is polyester powder-coated after fabrication.

Chinning Bars

49" Pipe Rail is 1 5/16" O.D. 14 gauge galvanized steel Tubing. All metal parts shall be coated with a custom formula TGIC polyester powder coating.

Trapeze Rings

Turned Swivel Clamps are fitted with a pressed oil-impregnated bronze bushing and attached using the Shoulder Bolt to a 5/16" Stainless Steel Pendulum for smooth movement. All Clamps have a baked on polyester powder-coated finish. Horizontal Beam Assembly consists of 3-1/2" O.D. 13-gauge galvanized steel tubing for the center beam(s). The Trapeze Rings are Cast Aluminum. All other parts are steel welded and polyester powder-coated after fabrication.

Rotomolded Components

Single Slides - Roto-Molded

Slide foot buck is fabricated from 2 3/8" O.D. 13 gauge galvanized steel tubing with a welded 12 gauge steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge and 1" O.D. 15 gauge galvanized tubing, and 1/8" steel mounting tab. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with STM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2 < Category 3, and has a minimum 1/4" wall thickness (3/16" for Visor Hood). Steel inserts are molded in to receive fastening bolts. Slide side rails are a minimum 12" high from the inside slide surface, and slide bed-way is designed to have a 20" minimum width.

Enhanced Barrier

Enhanced Barrier: Shall be 3-1/2" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. Smashed pipe is made from 1.029" (15 gauge) O.D. galvanized pipe. Barrier slides over smashed pipe that is attached to deck. Barrier attaches to uprights using panel clamps.

Panel Cap is made from Butyl / 90 Durometer Black Rubber and attaches to Barrier via molded in inserts. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet

or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790);Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Mini Amaze Panel

Mini A-Maze: Panel shall be 3" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790);Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). Panel shall attach to upright clamp using a one piece formed 3/16" stainless steel tab.

Deck Components

Deck Platforms

Metal decks shall be a one-piece construction and shall be designed to maintain a full 48" on center post spacing. Metal decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed, and reinforced with welded in place 2-1/2" x 11 ga. steel strips. Decks shall include a pattern of equally spaced slots on each side to provide a flush mounting of play events that attach to the deck, as well as the design of more than one adjacent deck at the same height. Each deck shall have welded at the corner underside a threaded 3/8" stud for attachment to the post's Deck Clamps. This fastening technique eliminates the need for hardware protruding through the deck surface, thereby eliminating the possibility of an entanglement hazard and presenting a clean and smooth deck surface. Entire deck assembly, after fabrication, shall be dipped in a textured skid-resistant poly-vinyl-chloride (plastisol) coating to a minimum thickness of .080".

Kickplates

Kickplate is cut from galvanized sheet metal with (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Corners are rounded, edges are ground smooth, and receives a baked-on polyester powder-coated finish after fabrication.

Mountain Climber w/ Chain

Arch Frame is fabricated from 1-5/8" O.D. galvanized steel tubing welded to 3/16" thick metal half-clamps for attachment. The entire frame receives a baked-on polyester powder-coated finish after fabrication. Ramp Platform is fabricated from a pre-punched steel sheet thickness with steel flat support bars welded underneath to increase strength. After welding, the entire platform is Plastisol-coated using PVC with a minimum thickness of 80 mils. Chain is pre-cut to specified size from 1/4" 5/O proof-coil galvanized chain. The entire chain is plastisol-coated to eliminate pinch-points. Rock Panels are cut from a solid sheet of high density .850" thick extruded polyethylene with color molded in and UV-stabilized.

Triangle Transfer with Handhold

Triangle Transfer with Handhold

The Triangle Transfer shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Triangle Transfer shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Handhold shall be fabricated from 1 7/8" O.D. x .12" (11 gauge) wall and 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Support legs shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Handhold

and Support Legs shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

Return Step

Return Step

The Return Step shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Return Steps shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Support legs shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Support Legs shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.



**SOUTHERN
PLAYGROUND**

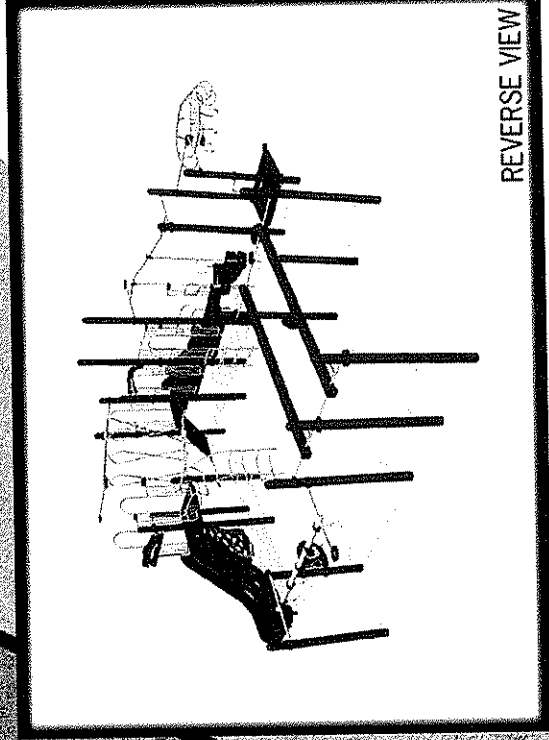
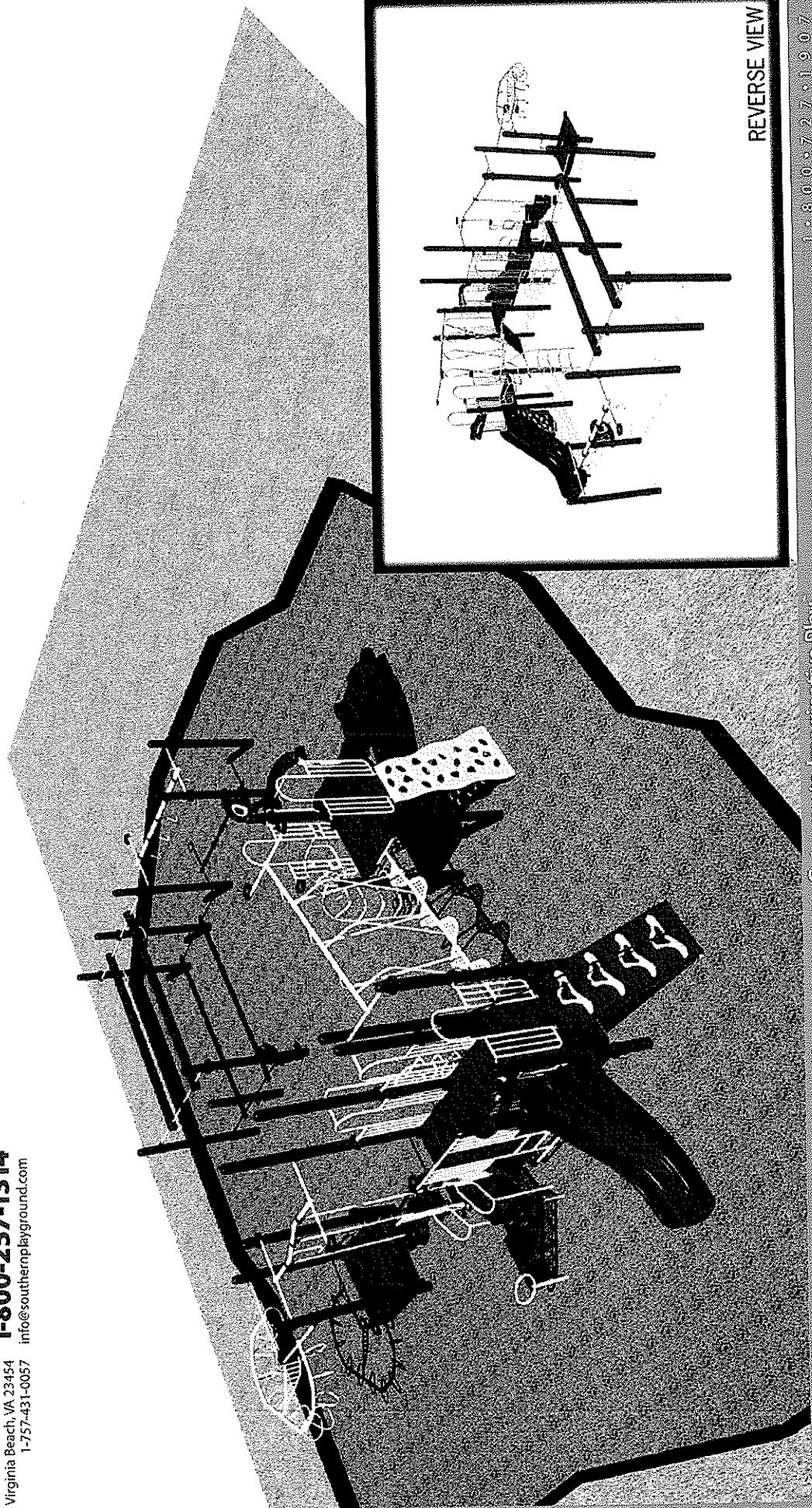
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Cedar Creek State Park

Glennville, WV.

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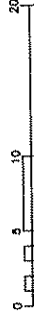
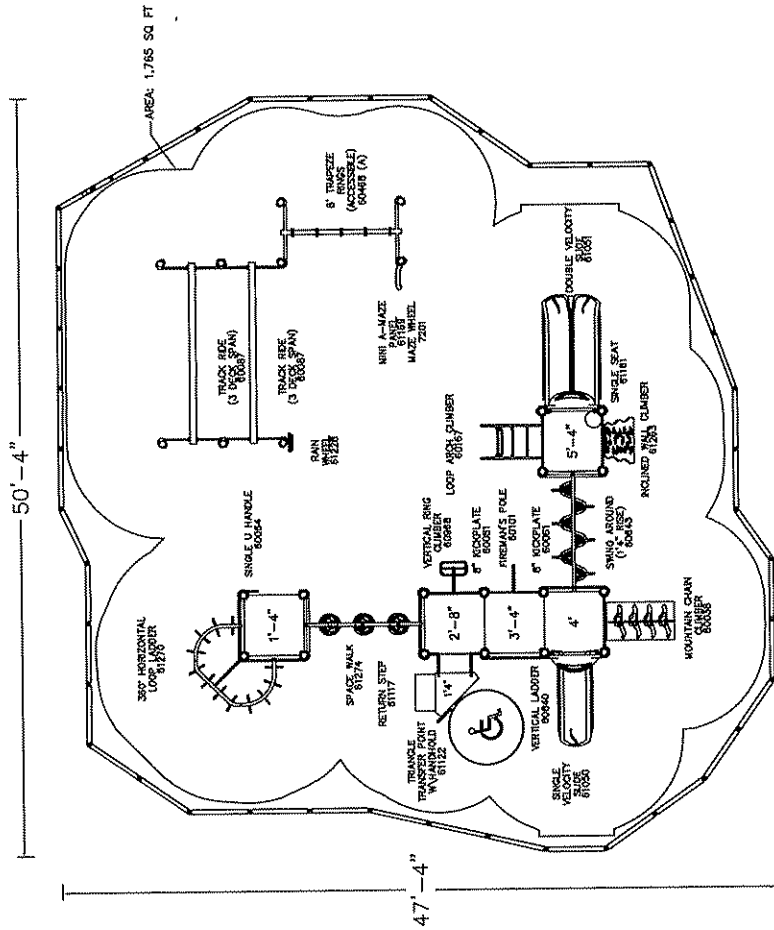


REVERSE VIEW

Gateway to Imaginative Play

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It is the manufacturer's opinion that the structure shown herein complies with current ADA standards concerning accessibility. If used with proper accessible surfacing and together with other necessary ground level play equipment.

Total Elevated Play Components	11	0	Required
Total Elevated Play Components Accessible By Ramp	0	7	Required
Total Elevated Components Accessible By Transfer	7	6	Required
Total Accessible Ground Level Components Shown	6	4	Required
Total Different Types Of Ground Level Components	5	3	Required

Drawn By:
J. Smelechowski
Date:
10/2/09
Drawing Name:
619-48565

IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Minimum Area Required:
50'-4" X 47'-4"
Scaler: 1/8" = 1'
This drawing can be scaled only when in an 11" x 17" format

This play equipment is recommended for children ages 5-12

Cedar Creek State Park
Bathhouse #3 Area Playground
Glenville, WV 26351
Recreational
Southern Playground
www.playandpark.com

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9001
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Chattanooga, TN 37402
800-727-1907
www.playandpark.com

**Cedar Creek State Park
Bathhouse #3 Area Playground
Drawing 619-48565**

Park Play Specifications

General System Specifications:

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Other

Small Amaze Activity

Small Activity: The Triangle Housing and Caps shall be injection molded from color impregnated high density polyethylene. The Maze Bubble shall be injection molded from clear ABS plastic. The Echo Chamber, Answer Wheel, Knob and Maze shall be injection molded from color impregnated ABS plastic. The Flat Mirror shall be 1/8" thick Polycarbonate with a mirror finish applied to one side. The Stained Glass shall be 3/16" translucent Polycarbonate

Park Timbers

Park Timbers

Play & Park Structures has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

Recycled Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% recycled/reclaimed linear low density polyethylene. Walls are 3/16" thick.

Color Option Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% linear low density polyethylene. Walls are 3/16" thick.

Stake: 3/4" diameter x 2'-6" long steel shaft, hot dip galvanized.

SuperMax Specifications

General System Specifications:

SuperMax features 5" O.D. uprights with a high-strength aluminum alloy clamp fastening system finished with a polyester powder-coat. All uprights shall receive factory installed aluminum post caps and will ship with labels for manufacturer identification.

All decks and components shall connect using the aluminum alloy clamping system. All climbing attachments shall include a 15" wide deck entry archway to control deck access to one child at a time and help prevent inadvertent falls.

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Clamps

All clamps are cast of high-strength 356 aluminum. All clamps are 1-3/4" wide with a minimum wall thickness of 3/8", and are powder-coated to match the post color. Each casting is precision-drilled to receive a 1/4" x 1-3/4" zinc-plated steel hinge pin. The hinging design facilitates installation and ensures a snug fit between clamp and post. Each clamp is secured in place using a 1/4" x 3/4" aluminum drive rivet to prevent slippage or rotation on the post. Fasteners for clamps are stainless steel 3/8" x 1-1/2" special tamper-resistant pinned bolt with locking patch, and a heavy hex nut, which fits in a recess, cast into the clamp. The pinned head requires a special tool for fastening (provided with each structure), thus ensuring vandal-resistance.

All clamps receiving rungs are drilled and tapped to receive a 3/8" x 3/8" stainless steel cone-point set screw with locking patch, which prevents the rungs from turning or being pulled out. The 1-5/16" O.D. rungs terminate inside the clamp, thereby eliminating the need for end caps. The aluminum alloy used in the casting of clamps shall meet the following mechanical properties:

Ultimate Tensile Strength - 45,000 psi
Yield Strength - 26,000 psi
Shear Strength - 40,000 psi
Elongation - 8 %

Rotationally Molded Plastics

All Rotationally Molded Products are manufactured from linear low-density polyethylene UV-stabilized color and an anti-static compound additive. The tensile strength of this material is to be 2500 PSI as defined by ASTM D638. The typical wall thickness will be .250" (1/4"). All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed

the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790).

Polyester Powder-Coating Process

Powder-coat shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D 2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Oven-bake Stability 100% at 400 degrees Fahrenheit.

Hardware

All nuts, bolts, and washers, with exceptions noted, shall be 3/8" diameter 18-8 stainless steel in varying lengths, with a vandal-resistant hex-pinned head configuration and factory-applied locking patch. When allowed a 72-hour cure time, the locking patch will prevent the bolt from loosening without at least 4 times the installation torque. Play & Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment. 1/2" diameter Ramp and Arch Bridge connecting hardware shall be Grade 5 zinc-plated, and 3/8" Clatter Bridge security bolts shall be Grade 8 hardened and zinc-plated.

Plastisol Coating

All metal deck platforms, steps, bridge planks, ramps, kickplates, and chains are plastisol-coated. Each part is chemically washed and completely submerged in a special heat-activated primer and allowed to dry. Parts are then pre-heated and immersed in liquid polyvinyl-chloride (plastisol). The PVC coating shall have a typical thickness of .080" to .120", and a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. Standard color is brown, with optional colors available. The following characteristics apply:

- Tensile Strength - 2,800 psi
- Elongation - 290 %
- Tear Strength - 420 lbs/in

Uprights, Aluminum

The posts shall be 5" outside diameter tubing with an 1/8" minimum wall thickness. The material shall be extruded from 6005-T5 seamless aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

Entry Archway

Entry Archway shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick stainless steel for attachment to clamp. The Entry Archway shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

HDPE Components

HDPE Panels

Panels shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners rounded for safe play.

Inclined Wall Climber

Inclined Wall shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners rounded for safe play. Frame Assembly shall be an all welded assembly fabricated from 1.315" O.D. galvanized steel tubing (.083" wall thickness). This assembly shall have a powder coat finish.

Metal Components

Vertical Ladder

Vertical Ladder is fabricated from 1-5/16" O.D. 14-gauge galvanized steel tube using only steel welds and receives a baked-on polyester powder-coated finish after fabrication.

U-Handles

U-handles are fabricated from 1-5/16" O.D. 14-gauge galvanized steel tubing formed into 'U' shape and receive a baked on polyester powder-coated finish.

Fireman's Pole

Vertical Pole Barrier is fabricated from 1-5/16", 1-5/8" O.D. galvanized steel tubing and 11-gauge galvanized tabs, using steel welds. Entire frame is coated after fabrication with a baked on polyester powder-coat finish. Fireman's Pole is a straight 1-5/8" O.D. galvanized steel tube with a 1-5/16" reduced end fitting for insertion into Vertical Pole Barrier overhead extension.

Loop Arch

Loop Arch Climber Frame is fabricated from 1-5/16" O.D. 14-gauge galvanized steel tubing using steel welds with a baked on polyester powder-coat finish after fabrication. Panels are cut from a single sheet of high-density .850" thick extruded solid polyethylene with color molded in and UV-stabilized.

Vertical Ring Climber

Vertical Ring Climber Frame is fabricated from 1-5/16" O.D. galvanized steel tube with a bake on polyester powder-coat finish after fabrication.

Vertical Pole Barrier is fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with interior vertical members fabricated of 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing. The Pole Barrier is a welded assembly and receives a baked-on powder coat finish.

Track Ride

Track Ride Beams are made of seamless extruded aluminum tube 5" wide. Tube walls are 3/16" to 1/4" thick. Round aluminum collars are welded to the end of the Track Segment for fastening. Track sections are polyester powder-coated after fabrication. Track Ride trolley is a steel welded and powder-coated assembly with 8 nylon roller-skate wheels with ball bearings to facilitate smooth movement through the track. Rubber bumpers on either end cushion stops inside the tube when striking on stoppers. Stoppers are made of rubber (Butyl 70-durometer). The 1" O.D. handle is welded to the trolley prior to yellow-zinc plating and powder coating. 49" Rung is a 1- 5/16" O.D. 14-gauge galvanized steel tube and polyester powder-coated after fabrication.

Trapeze Rings

Turned Swivel Clamps are fitted with a pressed oil-impregnated bronze bushing and attached using the Shoulder Bolt to a 5/16" Stainless Steel Pendulum for smooth movement. All Clamps have a baked on polyester powder-coated finish. Horizontal Beam Assembly consists of 3-1/2" O.D. 13-gauge galvanized steel tubing for the center beam(s). The Trapeze Rings are Cast Aluminum. All other parts are steel welded and polyester powder-coated after fabrication.

Single Seat

The Single Seat shall consist of a 13 1/2" Dia. cast aluminum seat mounted to a 1.66" OD x .083" (14 gauge) pipe (seat arm) via 1/2" set screw. It shall be coated with a custom formula of TGIC polyester powder, after fabrication in conformance with the specifications outlined herein. The seat arm is connected to an upright with a welded mounting tab and upright clamp.

Swing Around

Swing Around: The Bottom Rail shall be fabricated from 1 1/2" x .095 (13GA) L.W. galv. pipe, with sockets fabricated from 1.029" x .072 (15 GA) O.D. galv. pipe, Bottom Foot Step Plate fabricated from 14 Ga. sht., 4' x 10'-6" galvaneal, bottom foot step will be fabricated from 1 1/4" x .083 (14 GA) LW galv pipe and the connection plate will be fabricated from 1/4" x 2" P&O Flat Steel for attachment to deck. The Top Rail shall be fabricated from 2" x .095 (13 GA) LW galv pipe, with sockets fabricated from 1.029" x .072 (15 GA) O.D. galv. pipe, the swaged pipe fabricated from 1" x .083" (14 GA) LW galv pipe and the pipe cap will be fabricated 14 GA. x 2 7/8" HR galv steel. The Side Hand Rail will be fabricated from 1" x .083 (14GA) LW galv pipe.

Rotomolded Components

Double Slides - Roto-Molded

Slide foot buck is fabricated from 2 3/8" O.D. galvanized steel tubing and 12 gauge stainless steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 1 1/4" O.D. galvanized end cap. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with ASTM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2 < Category 3, and has a minimum 1/4" wall thickness (3/16" for Visor Hood). Steel inserts are molded in to receive fastening bolts. Slide side rails are a minimum 12" high from the inside slide surface, and slide bed-way is designed to have a 20" minimum width.

Single Slides - Roto-Molded

Slide foot buck is fabricated from 2 3/8" O.D. 13 gauge galvanized steel tubing with a welded 12 gauge steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge and 1" O.D. 15 gauge galvanized tubing, and 1/8" steel mounting tab. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All

metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with STM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2 < Category 3, and has a minimum 1/4" wall thickness (3/16" for Visor Hood). Steel inserts are molded in to receive fastening bolts. Slide side rails are a minimum 12" high from the inside slide surface, and slide bed-way is designed to have a 20" minimum width.

Mini Amaze Panel

Mini A-Maze: Panel shall be 3" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). Panel shall attach to upright clamp using a one piece formed 3/16" stainless steel tab.

Rain Wheel

Rain Wheel shall be 2-1/2" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Back plate is 1/8" H.R. Steel with brass bushing. The Bracket consist of a 5" O.D. Half Clamp made of 3/16" x 3 1/2" H.R. Steel, 9 7/8" LG. and a Galvanized Steel Coupling Nut (Galvanized Steel).

Deck Components

Deck Platforms

Metal decks shall be a one-piece construction and shall be designed to maintain a full 48" on center post spacing. Metal decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed, and reinforced with welded in place 2-1/2" x 11 ga. steel strips. Decks shall include a pattern of equally spaced slots on each side to provide a flush mounting of play events that attach to the deck, as well as the design of more than one adjacent deck at the same height. Each deck shall have welded at the corner underside a threaded 3/8" stud for attachment to the post's Deck Clamps. This fastening technique eliminates the need for hardware protruding through the deck surface, thereby eliminating the possibility of an entanglement hazard and presenting a clean and smooth deck surface. Entire deck assembly, after fabrication, shall be dipped in a textured skid-resistant poly-vinyl-chloride (plastisol) coating to a minimum thickness of .080".

Kickplates

Kickplate is cut from galvanneal sheet metal with (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Corners are rounded, edges are ground smooth, and receives a baked-on polyester powder-coated finish after fabrication.

Mountain Climber w/ Chain

Arch Frame is fabricated from 1-5/8" O.D. galvanized steel tubing welded to 3/16" thick metal half-clamps for attachment. The entire frame receives a baked-on polyester powder-coated finish after fabrication. Ramp Platform is fabricated from a pre-punched steel sheet thickness with steel flat support bars welded underneath to increase strength. After welding, the entire platform is Plastisol-coated using PVC with a minimum thickness of 80 mils. Chain is pre-cut to specified size from 1/4" 5/O proof-coil galvanized chain. The entire chain is plastisol-coated to eliminate pinch-points. Rock Panels are cut from a solid sheet of high density .850" thick extruded polyethylene with color molded in and UV-stabilized.

Triangle Transfer with Handhold

Triangle Transfer with Handhold

The Triangle Transfer shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Triangle Transfer shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Handhold shall be fabricated from 1 7/8" O.D. x .12" (11 gauge) wall and 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Support legs shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Handhold and Support Legs shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

Return Step

Return Step

The Return Step shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Return Steps shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Support legs shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Support Legs shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

Elevating Space Walk

Button Step: Shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Top Frame: Shall be an all welded assembly fabricated of 2.375" O.D. galvanized steel tubing (.095" wall thickness) and 1.66" O.D. galvanized steel tubing (.083" wall thickness). This assembly shall have a powder coat finish.

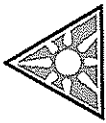
Hanger Weldment: Shall be an all welded assembly fabricated of 1.315" O.D. galvanized steel tubing (.083" wall thickness), a formed 12 gauge (.109") hot rolled flat steel plate, a 1/4" x 2" Stainless Steel Flat tab and a 1.063" O.D. cold rolled steel clevis. This assembly shall have a powder coat finish.

Attachment Pipe: Shall be fabricated of a 1.029" O.D. galvanized steel tubing (.072" wall thickness) smashed on both ends. This assembly shall have a powder coat finish.

Cedar Creek State Park

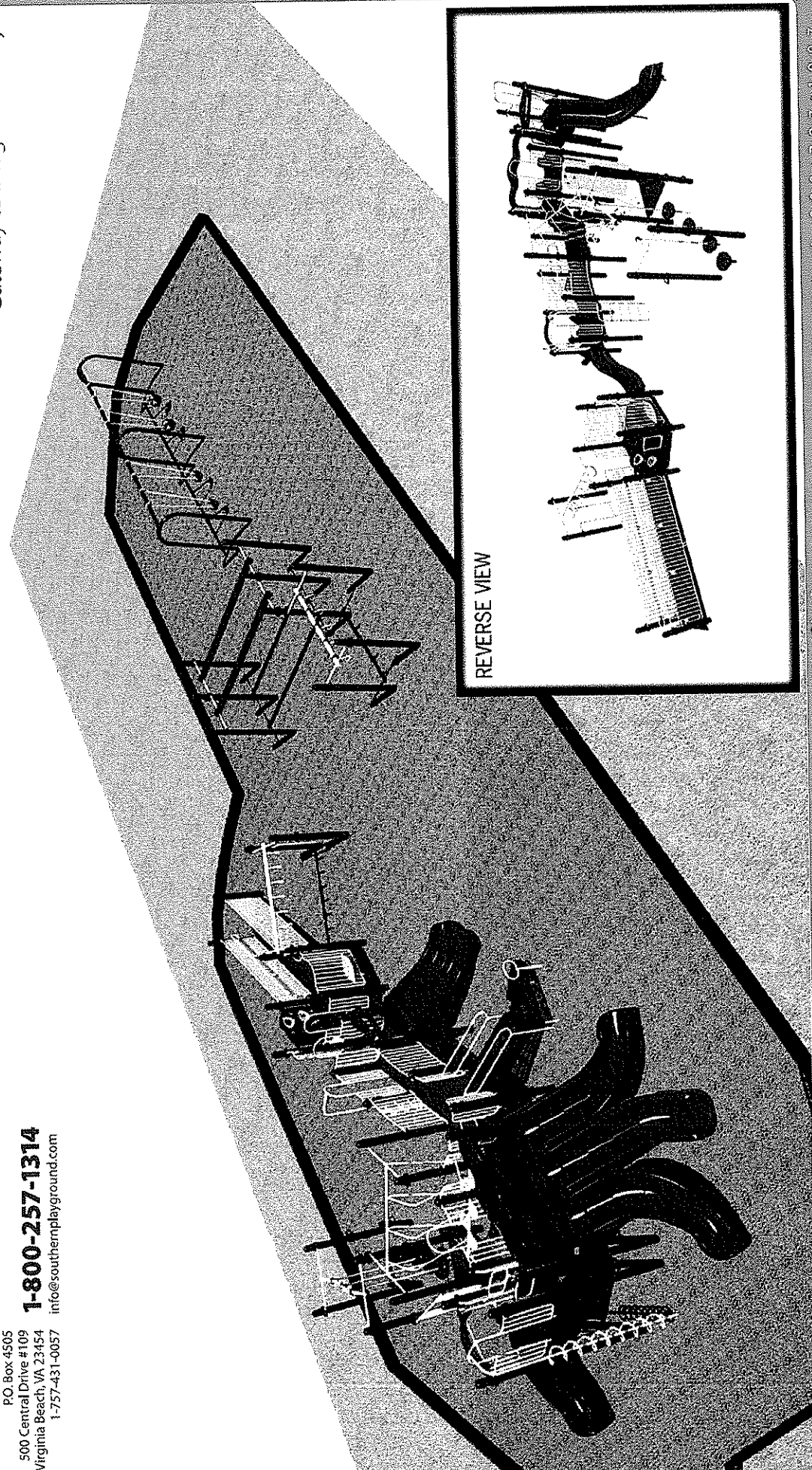
Glennville, WV.

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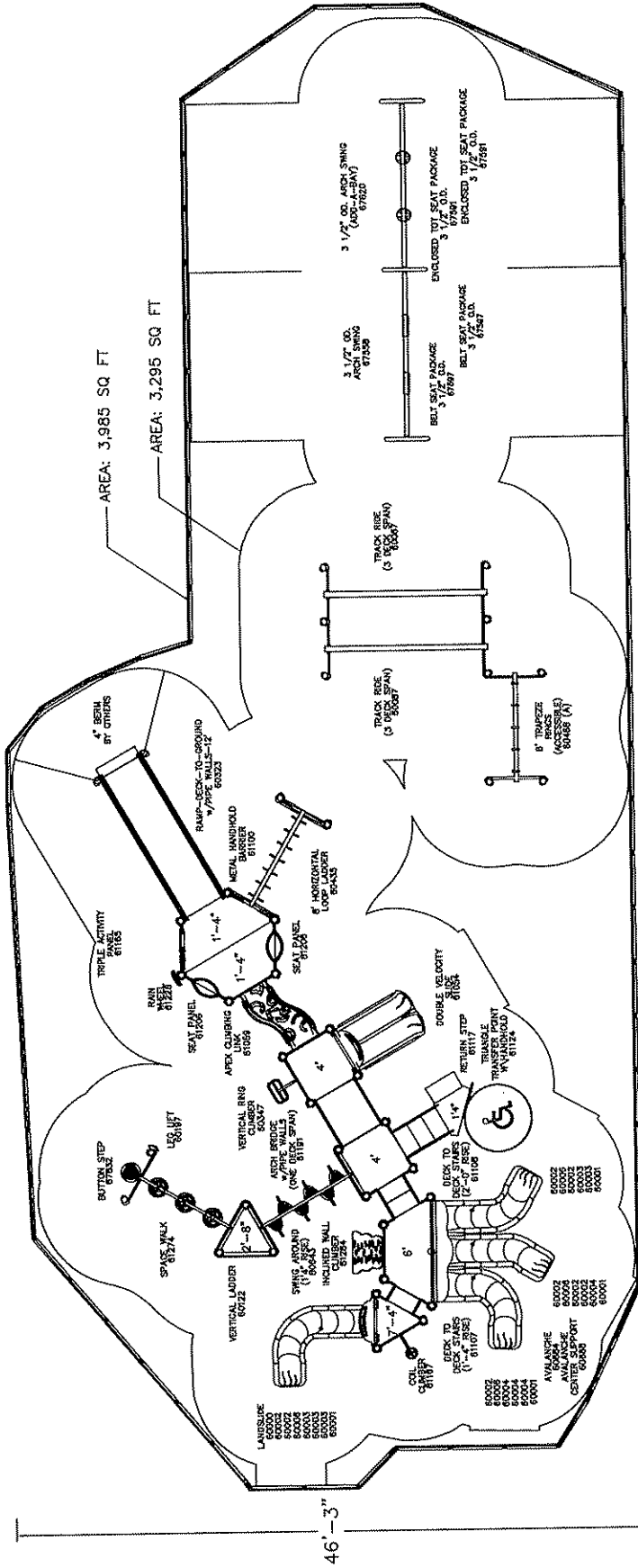
REVERSE VIEW



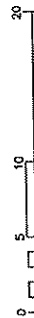
109'-6"

AREA: 3,985 SQ. FT.

AREA: 3,295 SQ. FT.



46'-3"



<p>It is the manufacturer's opinion that the structure shown herein complies with current ADA standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment.</p>	Total Elevated Play Components		15	5	Required	0
	Total Elevated Play Components Accessible By Ramp		5	13	Required	8
	Total Elevated Components Accessible By Transfer		10	10	Required	5
	Total Accessible Ground Level Components Shown		5	5	Required	3

Drawn By:
J. Szmielechowski
Date:
10/2/09
Drawing Name:
619-48866

IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Minimum Area Required:
109'-6" x 46'-3"
Scale: 1/8" = 1'
This drawing can be scaled only when in an 11" x 17" format

This play equipment is recommended for children ages 5-12

Cedar Creek State Park
One Room School Area Playground
Glennville, WV 26351
Representative
Southern Playground

play&park structures
401 Chestnut St., Ste. 310
Chattanooga, TN 37402
800-727-1907
www.playandpark.com

10/2/2009

**Cedar Creek State Park
One Room School Area Playground
Drawing 619-48566**

Park Play Specifications

General System Specifications:

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Arch Swing Structures

Arch Swing - (3 1/2" O.D. Toprail)

Toprail is 3-1/2" O.D. 11-gauge galvanized steel tubing with a baked on polyester powder-coated finish. Arch posts are bent from 3-1/2" O.D. steel tubing with welded socket. All metal parts have a baked on polyester powder-coated paint finish.

Seat Packages

Strap & Tot Seats

Rights are reserved to discontinue or change specifications without notice.

Bucket Seats shall be fabricated with .020" thick stainless steel inserts covered by a dark green colored EPDM rubber.

Fully Enclosed Seats shall be fabricated with .025" thick stainless steel inserts covered by a dark green colored EPDM rubber.

Commercial Belt Seat - an extra piece of fluted rubber at the front and back of seat gives it a cushion bumper.

Other

Small Amaze Activity

Small Activity: The Triangle Housing and Caps shall be injection molded from color impregnated high density polyethylene. The Maze Bubble shall be injection molded from clear ABS plastic. The Echo Chamber, Answer Wheel, Knob and Maze shall be injection molded from color impregnated ABS plastic. The Flat Mirror shall be 1/8" thick Polycarbonate with a mirror finish applied to one side. The Stained Glass shall be 3/16" translucent Polycarbonate

Amaze Window Panel

FRAME

Frame shall be 3/8" thick (solid) high density, UV-stabilized and color impregnated HDPE polyethylene.

WINDOW PANEL

Window Panel shall be clear polycarbonate, 1/4" thick.

Freestanding Other

Button Step

BUTTON STEP: The Button Step shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

MOUNTING POST: Shall be an all welded assembly fabricated of 2.375" O.D. galvanized steel tubing with a wall thickness of .095" and 12 gauge (.109") hot rolled flat steel that is formed. This assembly shall have a powder coat finish.

PLUG: Shall be fabricated of black butyl rubber with a durometer of 60.

HARDWARE: All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

Park Timbers

Park Timbers

Play & Park Structures has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

Recycled Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% recycled/reclaimed linear low density polyethylene. Walls are 3/16" thick.

Color Option Border: 4" wide x 1'-0" high x 4'-4" long rotational molded. 100% linear low density polyethylene. Walls are 3/16" thick.

Stake: 3/4" diameter x 2'-6" long steel shaft, hot dip galvanized.

SuperMax Specifications

General System Specifications:

SuperMax features 5" O.D. uprights with a high-strength aluminum alloy clamp fastening system finished with a polyester powder-coat. All uprights shall receive factory installed aluminum post caps and will ship with labels for manufacturer identification.

All decks and components shall connect using the aluminum alloy clamping system. All climbing attachments shall include a 15" wide deck entry archway to control deck access to one child at a time and help prevent inadvertent falls.

Manufacturer shall offer the following warranties on the materials and components of its system:

- Lifetime limited warranty on support posts (uprights)
- 15-Year limited warranty on punched steel decks, pipes, rails, loops and rungs
- 15-Year limited warranty on rotationally molded polyethylene components
- Lifetime limited warranty on all hardware

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-01.

Clamps

All clamps are cast of high-strength 356 aluminum. All clamps are 1-3/4" wide with a minimum wall thickness of 3/8", and are powder-coated to match the post color. Each casting is precision-drilled to receive a 1/4" x 1-3/4" zinc-plated steel hinge pin. The hinging design facilitates installation and ensures a snug fit between clamp and post. Each clamp is secured in place using a 1/4" x 3/4" aluminum drive rivet to prevent slippage or rotation on the post. Fasteners for clamps are stainless steel 3/8" x 1-1/2" special tamper-resistant pinned bolt with locking patch, and a heavy hex nut, which fits in a recess, cast into the clamp. The pinned head requires a special tool for fastening (provided with each structure), thus ensuring vandal-resistance.

All clamps receiving rungs are drilled and tapped to receive a 3/8" x 3/8" stainless steel cone-point set screw with locking patch, which prevents the rungs from turning or being pulled out. The 1-5/16" O.D. rungs terminate inside the clamp, thereby eliminating the need for end caps. The aluminum alloy used in the casting of clamps shall meet the following mechanical properties:

Ultimate Tensile Strength - 45,000 psi
Yield Strength - 26,000 psi
Shear Strength - 40,000 psi
Elongation - 8 %

Rotationally Molded Plastics

All Rotationally Molded Products are manufactured from linear low-density polyethylene UV-stabilized color and an anti-static compound additive. The tensile strength of this material is to be 2500 PSI as defined by ASTM D638. The typical wall thickness will be .250" (1/4"). All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-

746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790).

Polyester Powder-Coating Process

Powder-coat shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D 2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Oven-bake Stability 100% at 400 degrees Fahrenheit.

Hardware

All nuts, bolts, and washers, with exceptions noted, shall be 3/8" diameter 18-8 stainless steel in varying lengths, with a vandal-resistant hex-pinned head configuration and factory-applied locking patch. When allowed a 72-hour cure time, the locking patch will prevent the bolt from loosening without at least 4 times the installation torque. Play & Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment. 1/2" diameter Ramp and Arch Bridge connecting hardware shall be Grade 5 zinc-plated, and 3/8" Clatter Bridge security bolts shall be Grade 8 hardened and zinc-plated.

Plastisol Coating

All metal deck platforms, steps, bridge planks, ramps, kickplates, and chains are plastisol-coated. Each part is chemically washed and completely submerged in a special heat-activated primer and allowed to dry. Parts are then pre-heated and immersed in liquid poly-vinyl-chloride (plastisol). The PVC coating shall have a typical thickness of .080" to .120", and a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. Standard color is brown, with optional colors available. The following characteristics apply:

- Tensile Strength - 2,800 psi
- Elongation - 290 %
- Tear Strength - 420 lbs/in

Uprights, Aluminum

The posts shall be 5" outside diameter tubing with an 1/8" minimum wall thickness. The material shall be extruded from 6005-T5 seamless aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

Entry Archway

Entry Archway shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick stainless steel for attachment to clamp. The Entry Archway shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

HDPE Components

Inclined Wall Climber

Inclined Wall shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners rounded for safe play. Frame Assembly shall be an all welded assembly fabricated from 1.315" O.D. galvanized steel tubing (.083" wall thickness). This assembly shall have a powder coat finish.

Metal Components

Vertical Ladder

Vertical Ladder is fabricated from 1-5/16" O.D. 14-gauge galvanized steel tube using only steel welds and receives a baked-on polyester powder-coated finish after fabrication.

Coil Climber

Coil Climber consists of a 1-5/8" O.D. galvanized steel center tube with a 1-5/16" reduced end fitting for insertion into Vertical Pole Barrier. The coil is fabricated from a continuous 1-5/16" O.D. galvanized steel tube coiled to form a 10" diameter with maximum 11" clear spacing between each turn. Each open end of coiled tubing is welded shut, and the entire coiled tubing is welded to the 1-5/8" center pole at intervals using 1" O.D. galvanized tubing for connections. The entire Coil Climber is polyester powder-coated after fabrication.

Vertical Ring Climber

Vertical Ring Climber Frame is fabricated from 1-5/16" O.D. galvanized steel tube with a bake on polyester powder-coat finish after fabrication.

Vertical Pole Barrier is fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with interior vertical members fabricated of 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing. The Pole Barrier is a welded assembly and receives a baked-on powder coat finish.

Leg Lift

Leg Lift is formed from 4-1/2" x 2" x 3/16" steel welded to 1" O.D. 14-gauge galvanized tubing, polyester powder-coated after fabrication. Half Clamp is cast from a 356 high-strength aluminum alloy with a baked-on polyester powder-coated finish.

Track Ride

Track Ride Beams are made of seamless extruded aluminum tube 5" wide. Tube walls are 3/16" to 1/4" thick. Round aluminum collars are welded to the end of the Track Segment for fastening. Track sections are polyester powder-coated after fabrication. Track Ride trolley is a steel welded and powder-coated assembly with 8 nylon roller-skate wheels with ball bearings to facilitate smooth movement through the track. Rubber bumpers on either end cushion stops inside the tube when striking on stoppers. Stoppers are made of rubber (Butyl 70-durometer). The 1" O.D. handle is welded to the trolley prior to yellow-zinc plating and powder coating. 49" Ring is a 1-5/16" O.D. 14-gauge galvanized steel tube and polyester powder-coated after fabrication.

Straight Horizontal Loop Ladders

Horizontal Loop Ladder consists of 3-1/2" O.D. 13-gauge galvanized steel tubing for the center beam and 1-5/16" O.D. 14-gauge galvanized steel tubing for the loops. Rungs are 1" O.D. 14-gauge galvanized tubes with 1-5/16" O.D. with swaged ends welded to center beam. Vertical Ladder is made of 1-5/16" O.D. galvanized tube with 1" O.D. Galvanized tube rungs, and 3/16" thick steel tabs. All metal parts shall be coated with a custom formula TGIC polyester powder.

Trapeze Rings

Turned Swivel Clamps are fitted with a pressed oil-impregnated bronze bushing and attached using the Shoulder Bolt to a 5/16" Stainless Steel Pendulum for smooth movement. All Clamps have a baked on polyester powder-coated finish. Horizontal Beam Assembly consists of 3-1/2" O.D. 13-gauge galvanized steel tubing for the center beam(s). The Trapeze Rings are Cast Aluminum. All other parts are steel welded and polyester powder-coated after fabrication.

Metal Seat Panel

Clamps are cast from a 356 high-strength aluminum alloy. Top Bar and Seat Bars are 1 5/16" O.D. 14 gauge galvanized steel tubing. Pipe Rungs are 1.029" 15 gauge galvanized steel tubing. Seat Panel is 11 gauge sheet metal. All metal parts shall be coated with a custom formula TGIC polyester powder coating.

Primary hardware is stainless steel.

Weight: 8 Lbs / 3.6 Kg.

Swing Around

Swing Around: The Bottom Rail shall be fabricated from 1 1/2" x .095 (13GA) L.W. galv. pipe, with sockets fabricated from 1.029" x .072 (15 GA) O.D. galv. pipe, Bottom Foot Step Plate fabricated from 14 Ga. sht., 4' x 10'-6" galvanneal, bottom foot step will be fabricated from 1 1/4" x .083 (14 GA) LW galv pipe and the connection plate will be fabricated from 1/4" x 2" P&O Flat Steel for attachment to deck. The Top Rail shall be fabricated from 2" x .095 (13 GA) LW galv pipe, with sockets fabricated from 1.029" x .072 (15 GA) O.D. galv. pipe, the swaged pipe fabricated from 1" x .083" (14 GA) LW galv pipe and the pipe cap will be fabricated 14 GA. x 2 7/8" HR galv steel. The Side Hand Rail will be fabricated from 1" x .083 (14GA) LW galv pipe.

Rotomolded Components

Apex Climber - Standard

ENTRY ARCHWAY shall be fabricated of 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. L-Fitting is fabricated from 3/16" thick steel for attachment to clamp. The Entry Archway shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

MOUNTING BRACKET shall be formed from 1/4" x 2" hot-rolled steel plate. The Mounting Bracket shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

CLIMBER shall be rotationally molded from an extremely durable double-walled low-density polyethylene with (UV) light stabilizers and color molded in. This material complies with STM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2, Category 3, and has a minimum 1/4" wall thickness.

FOOTBUCKS are fabricated from 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with smashed end for attachment to climber. Footbuck shall be coated after fabrication with a custom formula of TGIC polyester powder coating

Double Slides - Roto-Molded

Slide foot buck is fabricated from 2 3/8" O.D. galvanized steel tubing and 12 gauge stainless steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 1 1/4" O.D. galvanized end cap. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with ASTM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2 < Category 3, and has a minimum 1/4" wall thickness (3/16" for Visor Hood). Steel inserts are molded in to receive fastening bolts. Slide side rails are a minimum 12" high from the inside slide surface, and slide bed-way is designed to have a 20" minimum width.

Avalanche & Landslide Slides

Slide footbuck is fabricated from 1 5/16" O.D. 14-gauge galvanized steel tubing and 1/4" steel plate. Slide supports are fabricated from 1 5/8" O.D. 14-gauge galvanized steel tubing. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Handhold assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 3/16" steel mounting tab. Vertical rung assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 1/8" steel mounting tab. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. Deck Center Support is fabricated from 2 3/8" O.D. 13-gauge galvanized steel tubing. Support Rung is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing with 3/8" crimped insert. All metal parts receive a baked-on polyester powder-coat finish after fabrication.

Slide Sections, Entrance Section and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with STM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, Grade 2, Category 3, and has a minimum 1/4" wall thickness (3/16" for Visor Hood). Steel inserts are molded in to receive fastening bolts. Slide side rails are a minimum 12" high from the inside slide surface, and slide bed-way is designed to have a 20" minimum width.

Half Flat Cap is an all-welded assembly fabricated from 1/4" and 1/8" thick Hot Rolled Steel. Half Flat Cap shall be coated after fabrication with an oven cured matte finish polyvinyl chloride (PVC) coating with a minimum coating thickness of .080". The PVC coating shall have a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating.

Activity Panel

Activity Panel shall be 2-1/2" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Rain Wheel

Rain Wheel shall be 2-1/2" thick color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein, with double wall construction molded to a minimum 3/16" wall thickness. All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2,

category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).
Back plate is 1/8" H.R. Steel with brass bushing. The Bracket consist of a 5" O.D. Half Clamp made of 3/16" x 3 1/2" H.R. Steel, 9 7/8" LG. and a Galvanized Steel Coupling Nut (Galvanized Steel).

Deck Components

Deck Platforms

Metal decks shall be a one-piece construction and shall be designed to maintain a full 48" on center post spacing. Metal decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed, and reinforced with welded in place 2-1/2" x 11 ga. steel strips. Decks shall include a pattern of equally spaced slots on each side to provide a flush mounting of play events that attach to the deck, as well as the design of more than one adjacent deck at the same height. Each deck shall have welded at the corner underside a threaded 3/8" stud for attachment to the post's Deck Clamps. This fastening technique eliminates the need for hardware protruding through the deck surface, thereby eliminating the possibility of an entanglement hazard and presenting a clean and smooth deck surface. Entire deck assembly, after fabrication, shall be dipped in a textured skid-resistant poly-vinyl-chloride (plastisol) coating to a minimum thickness of .080".

Kickplates

Kickplate is cut from galvaneal sheet metal with (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Corners are rounded, edges are ground smooth, and receives a baked-on polyester powder-coated finish after fabrication.

Ramps

The Ramp Platform is fabricated from HR steel with steel flat support bars welded underneath to increase strength. Transition Plate is fabricated from 1/8" steel plate stainless steel welding and pre-punched attachment holes and receives a baked-on polyester powder-coated finish after fabrication. After welding, the entire platform is Plastisol coated, with a thickness 80 mils minimum. Guard Rails and Pipe Walls are fabricated from 1-5/16" O.D. galvanized steel tubing with 'L' fittings stainless steel welded for attachment. Each entire Guard Rail or Pipe Wall receives a baked-on polyester powder-coated finish. Support Legs are fabricated from 1-5/8" O.D. galvanized steel tubing.

Arch Bridge w/ Pipe Wall

The Arch Bridge is fabricated from pre-punched steel sheet with steel flat support bars welded underneath to increase strength. After welding, the entire bridge is Plastisol coated with a minimum thickness 80 mils on top wear surface. Average perforation size is 0.35" diameter after coating. The Pipe Wall is fabricated from 1-5/16" O.D. galvanized steel tubing with 'L' fitting stainless steel welded for attachment. The entire Pipe Wall receives a baked on polyester powder-coated finish.

Triangle Transfer with Handhold

Triangle Transfer with Handhold

The Triangle Transfer shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Triangle Transfer shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Handhold shall be fabricated from 1 7/8" O.D. x .12" (11 gauge) wall and 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Support legs shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Handhold and Support Legs shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

Return Step

Return Step

The Return Step shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Return Steps shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Support legs shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. Support Legs shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

Elevating Space Walk

Button Step: Shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

Top Frame: Shall be an all welded assembly fabricated of 2.375" O.D. galvanized steel tubing (.095" wall thickness) and 1.66" O.D. galvanized steel tubing (.083" wall thickness). This assembly shall have a powder coat finish.

Hanger Weldment: Shall be an all welded assembly fabricated of 1.315" O.D. galvanized steel tubing (.083" wall thickness), a formed 12 gauge (.109") hot rolled flat steel plate, a 1/4" x 2" Stainless Steel Flat tab and a 1.063" O.D. cold rolled steel clevis. This assembly shall have a powder coat finish.

Attachment Pipe: Shall be fabricated of a 1.029" O.D. galvanized steel tubing (.072" wall thickness) smashed on both ends. This assembly shall have a powder coat finish.

State of West Virginia **VENDOR PREFERENCE CERTIFICATE**

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
- Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
- Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. Application is made for 5% resident vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Southern Playground Signed: Scott DeBos

Date: 10-5-09 Title: PRESIDENT

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No. _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: SOUTHERN PLAYGROUND, INC
Authorized Signature: [Signature] Date: 10-5-09