



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  
 DNR209199

PAGE  
 1

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

PURCHASING DIVISION

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF NATURAL RESOURCES  
 BABCOCK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 HC 35, BOX 150  
 CLIFFTOP, WV  
 25831 438-5662

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/30/2009				

BID OPENING DATE: 09/01/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEMNUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		62909.27
PLAYGROUND EQUIPMENT FOR BABCOCK STATE PARK  REQUEST FOR QUOTATION (RFQ)  THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH PLAYGROUND EQUIPMENT FOR BABCOCK STATE PARK LOCATED IN CLIFFTOP, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.  NO INSTALLATION IS REQUIRED.  A MANDATORY PRE-BID WILL BE HELD ON AUGUST 10, 2009 AT 1:30 PM AT THE PARK'S HEADQUARTERS IN CLIFFTOP, WV. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.  AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE						

RECEIVED  
 2009 SEP - 1 AM 10:03  
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ad Duhan</i>	TELEPHONE 757 943 1229	DATE 8-25-09
TITLE PRESIDENT	FEIN 54-0983230	ADDRESS CHANGES TO BE NOTED ABOVE

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

**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."

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**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  
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 Charleston, WV 25305-0130

# Request for Quotation

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 2

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

RFQ COPY  
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DIVISION OF NATURAL RESOURCES  
 BABCOCK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 HC 35, BOX 150  
 CLIFFTOP, WV  
 25831 438-5662

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
07/30/2009				

BID OPENING DATE:	09/01/2009	BID OPENING TIME	01:30PM
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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION 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 08/14/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ADDRESSED 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>EXHIBIT 10</p> <p>REQUISITION NO.: .....</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>A. D. ...</i>	TELEPHONE 757 9431221	DATE 8 25 09
TITLE PRESIDENT	FAX 304 6983230	ADDRESS CHANGES TO BE NOTED ABOVE

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



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# Request for Quotation

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PAGE  
 3

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
 KRISTA FERRELL  
 804-558-2596

BIDDER


RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

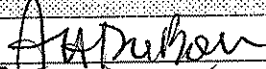
DIVISION OF NATURAL RESOURCES  
 BABCOCK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 HC 35, BOX 150  
 CLIFFTOP, WV  
 25831 438-5662

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07/30/2009				

BID OPENING DATE: 09/01/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UCP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1						
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
				 SIGNATURE Krista Ferrell SOUTHERN PLAYGROUND COMPANY		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS.

SIGNATURE 	TELEPHONE 757 943 1229	DATE 8 25 09
TITLE PRESIDENT	FEIN 54-0983230	ADDRESS CHANGES TO BE NOTED ABOVE

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**DNR209199**

PAGE  
**4**

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

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 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

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 BABCOCK STATE PARK  
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
DATE						
REV. 11/96						
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.						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.						
NOTICE						
A SIGNED BID MUST BE SUBMITTED TO:						
DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>A. H. Dubow</i>	TELEPHONE <b>757 943 1229</b>	DATE <b>8 25 09</b>
TITLE <b>PRESIDENT</b>	FERN <b>54-0983230</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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



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# Request for Quotation

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 KRISTA FERRELL  
 804-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

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07/30/2009				

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID  BUYER: KRISTA FERRELL-FILE 21 RFQ. NO.: DNR209199 BID OPENING DATE: 09/01/2009 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 DuBOW -----  ***** THIS IS THE END OF RFQ DNR209199 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Scott DuBow</i>	TELEPHONE 757 943 1229	DATE 8 25 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'

**WVDNR209199**  
**Babcock State Park Playground Specifications**

To supply playground equipment to offer play activities for children ages five (5) to twelve (12) at Babcock State Park, Clifftop, West Virginia. Playground equipment will be purchased for three separate areas in the park. Park personnel will install all playground equipment. F.O.B. Destination. Freight and/or delivery charges are to be included in the price of the goods. Delivery should be made within thirty (30) days of purchase order award. The award may be split if it is in the best interest of the West Virginia Division of Natural Resource

**CAMPGROUND AREA PLAYGROUND**

PowerScape meadow place play structure, Item #G85172, or equal. Structure must have the same type of play events including the minimum number in the specified item; and uprights and support bars must be constructed of galvanized steel

PrimeTime swing frame, Item #12583, or equal. Swing frame must have a minimum 3 ½" OD; must have an arched style top rail; must be a minimum 8' installed height; must be constructed of galvanized steel; and must accommodate two swing units.

PrimeTime swing add-a-bay, Item #12584, or equal. Frame must have a minimum 3 ½" OD; must have an arched style top rail; must be minimum 8' installed height; must be constructed of galvanized steel; and must accommodate two swing units.

PrimeTime 3 ½" enclosed tot swing with galvanized chain, Item #8696, or equal.

PrimeTime 3 ½" belt seat with galvanized chain, Item #8910, or equal.

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

Engineered wood fiber @ 8" compacted depth or equal. Material must be recently harvested and debarked; free of chemical treatments and additives; free of soil, twigs, leaves and other contaminants.

One (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacturer's guidelines

**MANN'S CREEK PICNIC AREA PLAYGROUND**

**WVDNR209199**  
**Babcock State Park Playground Specifications**

PlayworldSystems challengers play structure, Item #350-0704, or equal. Structure must have at least the same type of play events including the minimum number in the specified Item and the uprights and support bars must be constructed of galvanized steel.

PrimeTime swing frame, Item #12583, or equal. Swing frame must have a minimum 3 ½" OD; must have an arched style top rail; must be a minimum 8' installed height; must be constructed of galvanized steel; and must accommodate two swing units.

PrimeTime swing-a-bay, Item #12584, or equal. Frame must have a minimum 3 ½" OD; must have an arched style top rail; must be minimum 8' installed height; must be constructed of galvanized steel; and must accommodate two swing units.

PrimeTime 3 ½" belt seat with galvanized chain, Item #8910, or equal.

PrimeTime 3 ½" enclosed tot swing with galvanized chain, Item #8696, or equal.

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

Engineered wood fiber @ 8" compacted depth or equal. Material must be recently harvested and debarked; free of chemical treatments and additives; free of soil, twigs, leaves and other contaminants.

One (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacturer's guidelines.

**SUGAR CAMP RUN PICNIC AREA PLAYGROUND**

PowerScape meadow place play structure, Item #G85172, or equal. Structure must have the same type of play events including the minimum number in the specified Item; and uprights and support bars must be constructed of galvanized steel.

PrimeTime swing frame, Item #12583, or equal. Swing frame must have a minimum 3 ½" OD; must have an arched style top rail; must be a minimum 8' installed height; must be constructed of galvanized steel; and must accommodate two swing units.

PrimeTime Swing add-a bay Item #12584, or equal. Frame must have a minimum 3 ½" OD; must have an arched style top rail; must be minimum 8' installed height; must be constructed of galvanized steel; and must accommodate two swing units.

PrimeTime 3 ½" belt seat with galvanized chain, Item #8910, or equal.



**WVDNR209199**  
**Babcock State Park Playground Specifications**

PrimeTime 3 ½" enclosed tot swing with galvanized chain, Item #8696, or equal.

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

Engineered wood fiber @ 8" compacted depth or equal. Material must be recently harvested and debarked; free of chemical treatments and additives; free of soil, twigs, leaves and other contaminants.

One (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacturer's guidelines.

**WVDNR209199**  
**Babcock State Park Playground Specifications**

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

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

Vendors must submit the following attachments:

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

Warranties:

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

Color scheme of equipment must be coordinated with Babcock State Park. Color of Items will be selected from manufacturer's standard colors.

A mandatory pre-bid conference will be held on, August 10, 2009, at Babcock State Park Headquarters at 1:30 p m. A failure to attend the mandatory pre-bid conference will result in bid disqualification. An individual may not represent more than one firm at the pre-bid conference.

**WVDNR209199**  
**Babcock State Park Playground Specifications**

Pricing Sheet:

**Vendors must provide unit prices for all line items. Failure to provide unit prices will result in the disqualification of the vendor's bid.**

WVDNR209199  
Babcock 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 Quotation.

Item No.	Equipment	Manufacturer	Item
1	Campground Area Playground PowerScape meadow place play structure, Item #G85172, or equal.	PLAY + PARK STRUCTURES	619-47660
2	Campground Area Playground Primetime swing frame, Item #12583, or equal.	↓	67558
3	Campground Area Playground Primetime swing add-a-bay, Item #12584, or equal.		67620
4	Campground Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.		67591
5	Campground Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.		67597
6	Campground Area Playground geo-textile fabric or equal.		COLONIAL COAST MAT
7	Campground Area Playground engineered wood fiber @ 8" compacted depth or equal.	ZEBEK BROTHERS	WOODCARPET
8	Campground Area Playground one (1) day of supervision by successful vendor.	SCOTT DuBOIS SOUTHERN PLAYGROUND	CPSI
9	Manns Creek Picnic Area Playground PlayworldSystems challengers play structure, Item #350-0704, or equal.	PLAY + PARK STRUCTURES	619-47661
10	Manns Creek Picnic Area Playground PrimeTime swing frame, Item #12583, or equal.	↓	67558

WVDNR209199  
Babcock State Park  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
11	Manns Creek Picnic Area Playground PrimeTime swing add- a-bay, Item #12584, or equal.	PLAY + PARK STRUCTURES	67620
12	Manns Creek Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item # 8910, or equal.	↓	67597
13	Manns Creek Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.		67591
14	Manns Creek Picnic Area Playground geo-textile fabric or equal.		COLONIAL CONSTRUCTION MATERIALS
15	Manns Creek Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.	ZEBEK	WOODCARPET
16	Manns Creek Picnic Area Playground one (1) day of supervision by successful vendor.	SOUTHERN PLAYGROUND SCOTT DuBOIS	PRESIDENT + CPSI
17	Sugar Camp Run Picnic Area Playground PowerScape meadow place play structure , Item #g85172, or equal.	PLAY + PARK STRUCTURES	619-47662
18	Sugar Camp Run Picnic Area Playground Primetime swing frame, Item #21583, or equal.	↓	67558
19	Sugar Camp Run Picnic Area Playground Primetime swing add- a-bay, Item #21584, or equal.		67620
20	Sugar Camp Run Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.		67591

WVDNR209199  
Babcock State Park  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
21	Sugar Camp Run Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	PLAY & PARK STRUCTURES	67597
22	Sugar Camp Run Picnic Area Playground geo-textile fabric or equal.	COLONIAL CONSTRUCTION MATERIALS	FILTEX FABRIC
23	Sugar Camp Run Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.	<del>STEEL</del> ZEABEK	WOOD CARPET
24	Sugar Camp Run Picnic Area Playground one (1) day of supervision by successful vendor.	SOUTHERN PLAYGROUND SCOTT DUBOIS	PRESIDENT CPSI

WVDNR209199  
 Babcock State Park Playground Equipment  
**PRICING SHEET**

Item No.	Quantity	Description	Unit Price	Amount
1	1	Campground Area Playground PowerScape meadow place play structure, Item #G85172, or equal.	15331.45	15331.45
2	1	Campground Area Playground Primetime swing frame, Item #12583, or equal.	598.46	598.46
3	1	Campground Area Playground Primetime swing add-a-bay, Item #12584, or equal.	371.32	371.32
4	1	Campground Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	234.75	234.75
5	3	Campground Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	168.45	505.34
6	3,432 square feet	Campground Area Playground geo-textile fabric square foot roll or equal.	PLEASE NOTE: Bidders must include a unit price. This item cannot be bid Lump Sum. 1 square foot x price = per unit price.  .15	499.70
7	3,432 square feet	Campground Area Playground engineered wood fiber @ 8" compacted depth or equal.	PLEASE NOTE: Bidders must include a unit price. This item cannot be bid Lump Sum. 1 square foot x price = per unit price.  <del>1.01</del> 1.01	3458.00
8	1	Campground Area Playground one (1) day of supervision by successful vendor.	1000.00	1000.00
9	1	Manns Creek Picnic Area Playground PlayworldSystems challengers play structure, Item #350-0704, or equal.	13487.86	13487.86

Babcock State Park Playground Equipment  
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
10	1	Manns Creek Picnic Area Playground PrimeTime swing frame, Item #12583, or equal.	598.46	598.46
11	1	Manns Creek Picnic Area Playground PrimeTime swing add-a-bay, Item #12584, or equal.	371.32	371.32
12	3	Manns Creek Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item # 8910, or equal.	168.45	505.35 <del>168.45</del>
13	1	Manns Creek Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	234.75	234.75
14	3,192 square feet	Manns Creek Picnic Area Playground geo-textile fabric or equal.	PLEASE NOTE: Bidders must include a unit price. This item cannot be bid Lump Sum. 1 square foot x price = per unit price.  .15	464.76
15	3,192 square feet	Manns Creek Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal. UNIT PRICE ONE DOLLAR + ONE CENT	PLEASE NOTE: Bidders must include a unit price. This item cannot be bid Lump Sum 1 square foot x price = per unit price. <del>1.01</del> 1.01	3217.00
16	1	Manns Creek Picnic Area Playground one (1) day of supervision by successful vendor.	1000.00	1000.00
17	1	Sugar Camp Run Picnic Area Playground PowerScape meadow place play structure, Item #g85172, or equal.	15331.45	15331.45
18	1	Sugar Camp Run Picnic Area Playground Primetime swing frame, Item #21583, or equal.	598.46	598.46



Babcock State Park Playground Equipment  
**PRICING SHEET**

Item No.	Quantity	Description	Unit Price	Amount
19	1	Sugar Camp Run Picnic Area Playground Primetime swing add-a-bay, Item #21584, or equal.	371.32	371.32
20	1	Sugar Camp Run Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	234.75	234.75
21	3	Sugar Camp Run Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	168.45	565.35
22	2,592 square feet	Sugar Camp Run Picnic Area Playground geo-textile fabric or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price. .15	377.40
23	2,592 square feet	Sugar Camp Run Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price. 1.01 <del>1.35</del>	2612.00
24	1	Sugar Camp Run Picnic Area Playground one (1) day of supervision by successful vendor.	1000.00	1000.00
<b>TOTALS</b>				62909.27

# 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: [Signature]  
Date: 8-31-09 Title: PRESIDENT

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

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 \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ ATubben \_\_\_\_\_ Date: 8-31-09 \_\_\_\_\_



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

**Request for  
 Quotation**

RFC NUMBER  
 DNR209199

PAGE  
 1

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

RFQ COPY

TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF NATURAL RESOURCES  
 BABCOCK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 HC 35, BOX 150  
 CLIFFTOP, WV  
 25831 438-5662

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/25/2009				

BID OPENING DATE: 09/01/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO:						
1.) ANSWER ALL TECHNICAL QUESTIONS SUBMITTED PRIOR TO THE DEADLINE FOR TECHNICAL QUESTIONS,						
2.) PROVIDE A COPY OF THE MANDATORY PRE-BID ATTENDEE LIST, AND						
3.) ADD THE FOLLOWING LANGUAGE:						
"VENDORS MUST PROVIDE ALL UNIT PRICING IN THE UNIT OF MEASURE REQUESTED BY THE AGENCY. FAILURE TO PROVIDE UNIT PRICING IN THE GIVEN UNIT OF MEASURE WILL RESULT IN THE DISQUALIFICATION OF THE VENDOR'S BID."						
"VENDOR'S MUST SUBMIT PRICING ON THE GIVEN PRICING SHEET. FAILURE TO SUBMIT A COMPLETED PRICING SHEET WILL RESULT IN THE DISQUALIFICATION OF THE VENDOR'S BID."						
"PRICING SHEETS SHOULD BE FREE FROM MATHEMATICAL ERROR AND BE LIGIBLE (TYPED PAGE PREFERRED). UNIT COST FOR ITEMS PREVAIL IN ALL CASES IN ACCORDANCE WITH WV CODE OF RULES 148 CSR 1 SECTION 6.3.3 AND PER ITEM 4 UNDER THE GENERAL TERMS AND CONDITIONS (INSTRUCTIONS TO BIDDERS) CONTAINED WITHIN THIS SOLICITATION."						
***** END ADDENDUM NO. 1 *****						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Att Dubben</i>	TELEPHONE 757 943 1225	DATE 8-31-09
TITLE PRESIDENT	FEIN 54-0993230	ADDRESS CHANGES TO BE NOTED ABOVE

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

**RFQ #: DNR209199**  
**Addendum No. 1**  
**Questions & Answers/Clarifications**

- 1.) Are we to include the statement of compliance from the manufacturer that verifies that they are compliant with the Consumer Product Safety Improvement Act (CPSIA 2008) which was enacted, in part, to reduce or eliminate concentrations of lead, certain heavy metals, and certain phthalates from Children's Products" which includes commercial playground equipment?

**Answer: All playground equipment must meet Consumer Product Safety Improvements Act (CPSIA), Section 101 lead limits. Vendor must provide proof of compliance.**

Page 10 of 10  
 Date: AUGUST 10, 2009

**SIGN IN SHEET**  
 PLEASE PRINT

Request for Proposal No. \_\_\_\_\_

\* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: VIRGINIA PLAYGROUND SERVICE	14276 RIVERSIDE AVE	PHONE 434-299-2158 TOLL FREE
Rep: JIM BENEDEKT	ASELAND VA 22025	FAX 434-296-3289
Email Address: jim@va-playgrounds.com		
Company: SOUTHERN PLAYGROUND INC	P.O. Box 4505	PHONE 757-431-0057 TOLL FREE
Rep: SCOT DUBOIS	VA BEACH VA 23454	FAX 800-257-1314
Email Address: SDUBOIS@SOUTHERNPLAYGROUND.COM		FAX 757-431-0036
Company: Playground Specialist	17352 N. Susan Ave	PHONE 301-271-9236 TOLL FREE
Rep: Tammy Wood	Emmitsburg, MD 21727	FAX 800-385-0075
Email Address: tammy@playspec.com		FAX 301-271-9239
Company: Davis Athletics, LLC	2325 Liberty Street	PHONE 304-428-3000 TOLL FREE
Rep: Fred Davis	Parkeersburg, WV 26101	FAX 304-428-3002
Email Address: fdavis@yahoo.com		
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX

Page \_\_\_\_\_ of \_\_\_\_\_  
 Date: \_\_\_\_\_

**SIGN IN SHEET**

Request for Proposal No. \_\_\_\_\_

PLEASE PRINT

\* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: Service Supply Ltd, Inc Rep: Pam Melton Email Address: pam.melton@vahoo.com	997 Sunset Terrace Milton, WV 25541	PHONE 304-743-8260 TOLL FREE 800-848-7656 FAX 304-743-3850
Company: CUMMINGS ASSOC/GAMETIME Rep: LARRY FITZGERALD Email Address: LARRY@CUMMINGSASSOC.COM	4324 CORDFAC RD ROANOKSE VA 24018	PHONE 800-438-2700 X15 TOLL FREE FAX
Company: Taylor Sports + Rec Rep: Tom Arleson Email Address: CNE67@AOL.COM	836 Echo Pond So. Charleston, WV 25303	PHONE 304-744-6548 TOLL FREE FAX 304-744-6545
Company: _____ Rep: _____ Email Address: _____	_____	PHONE TOLL FREE FAX
Company: _____ Rep: _____ Email Address: _____	_____	PHONE TOLL FREE FAX



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

WV PURCHASING ACA SECT Fax 304-558-4115

Aug 26 2009 03:52pm P001/002

**request for  
 Quotation**

RFQ NUMBER: DNR209199

PAGE: 1

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

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF NATURAL RESOURCES  
 BABCOCK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 HC 35, BOX 150  
 CLIFFTOP, WV  
 25831 438-5662

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/26/2009				

BID OPENING DATE	BID OPENING TIME
09/01/2009	01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
THIS ADDENDUM IS ISSUED TO ANSWER THE REMAINING TECHNICAL QUESTIONS SUBMITTED PRIOR TO THE DEADLINE FOR TECHNICAL QUESTIONS INADVERTENTLY OMITTED FROM ADDENDUM NO. 1.						
BID OPENING DATE REMAINS: 09/01/2009						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 2 *****						
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT FOR BABCOCK STATE PARK						
***** THIS IS THE END OF RFQ DNR209199 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: <i>[Signature]</i>	TELEPHONE: 757 943 1225	DATE: 8-31-09
TITLE: PRESIDENT	FEN: 54-0983230	ADDRESS CHANGES TO BE NOTED ABOVE

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



**RFQ#: DNR209199**

**Addendum No. 2**

**Technical Questions & Answers Part II**

2.) Is wood fiber and geo-textile required for this bid since there is an open end contract for wood fiber and geo-textile?

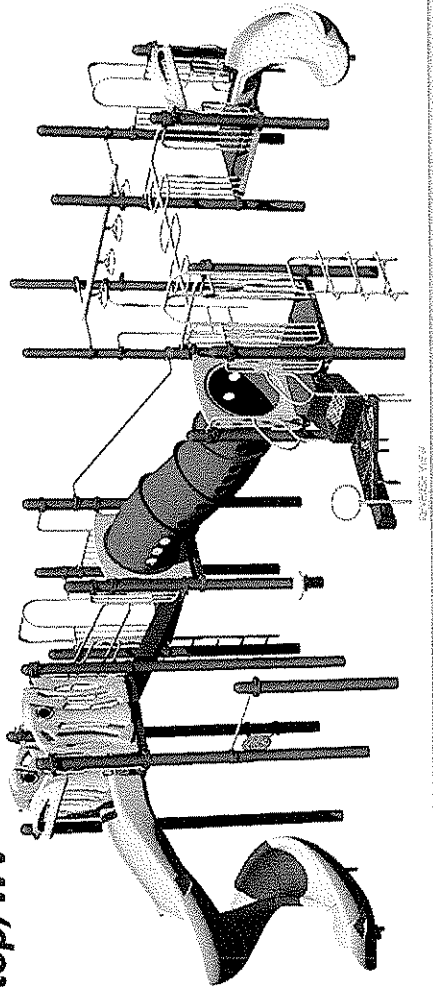
Answer: No.

3.) Will 4" Square post be accepted for 5" round post?

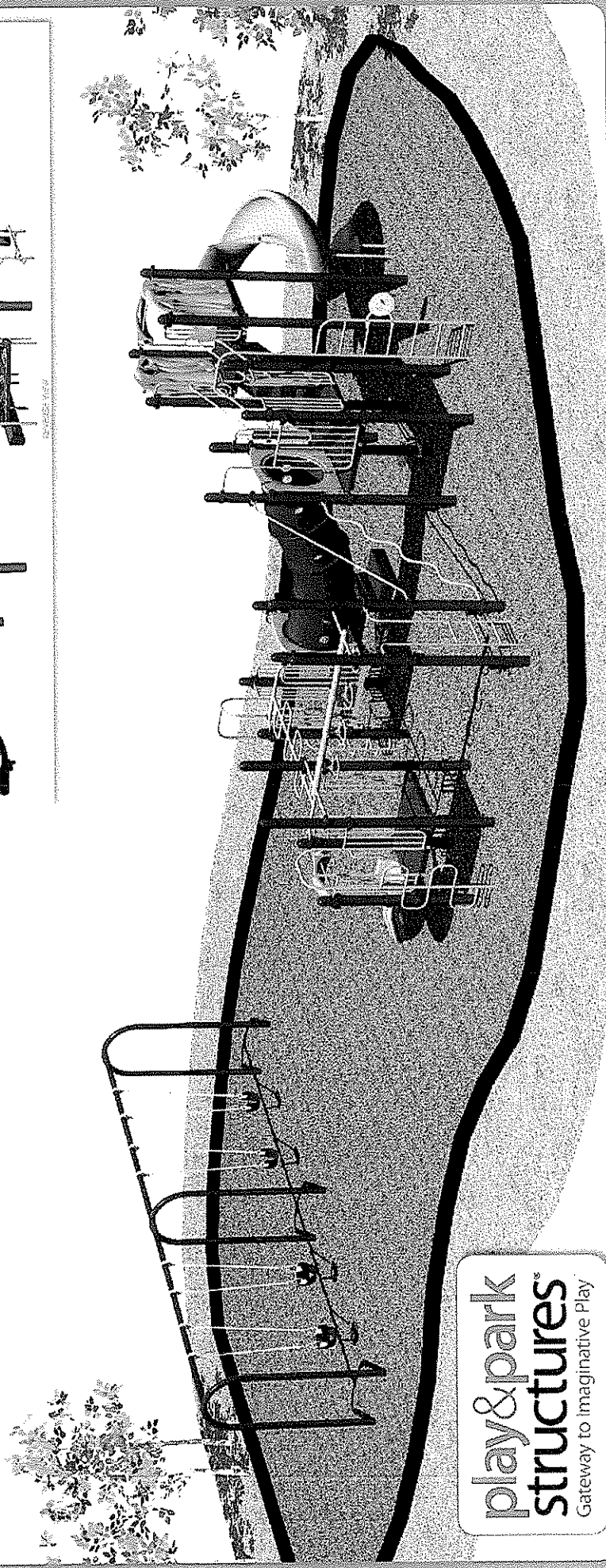
Answer: Based on the question submitted, the agency will not accept 4" square post as a substitution for 5" round post.

# Babcock State Park

Campground Area Playground  
Clifftop, WV



**SOUTHERN  
PLAYGROUND**  
P.O. Box 4505  
500 Central Drive #109  
Virginia Beach, VA 23454  
1-800-257-1314 info@southernplayground.com  
1-757-431-0057



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

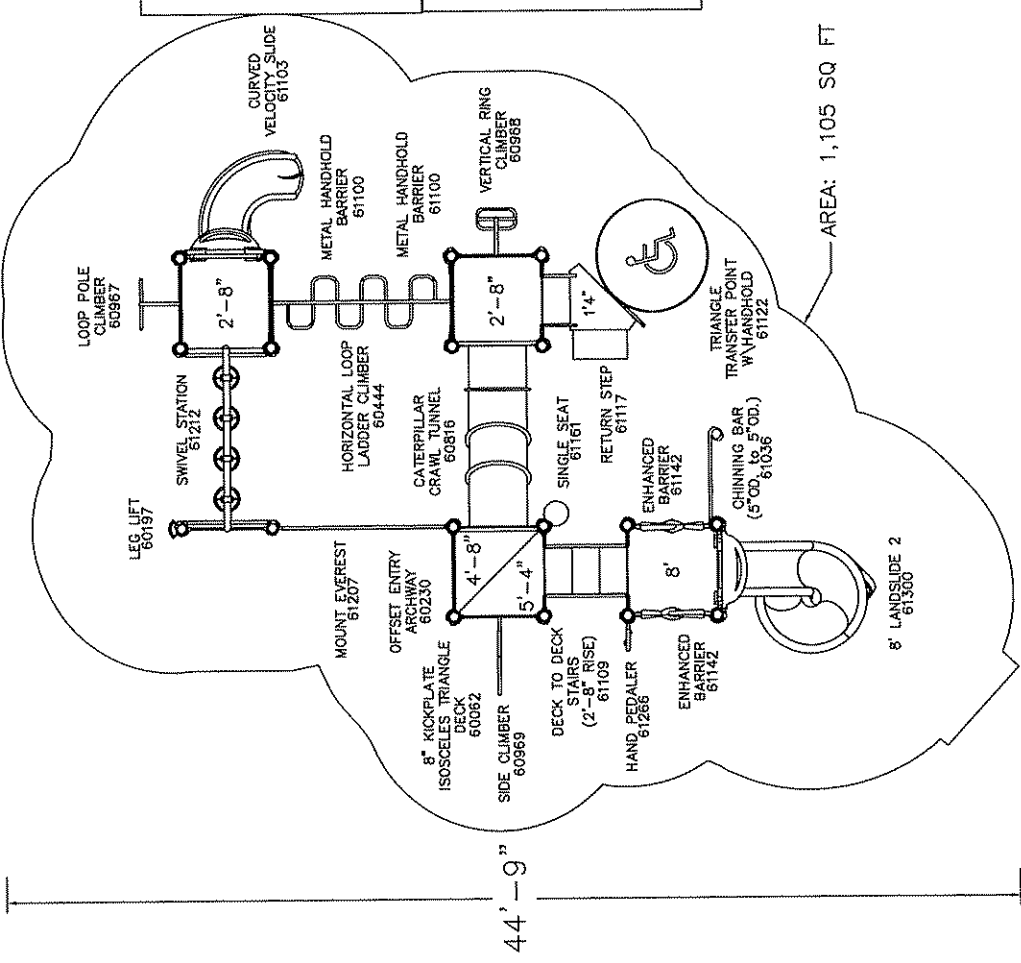
Gateway to Imaginative Play

1-800-727-1907

playandpark.com

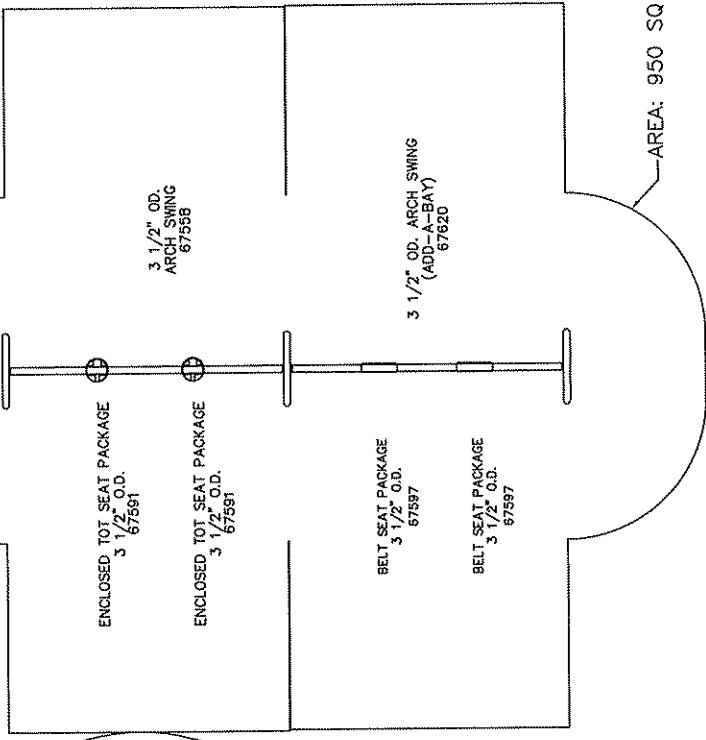


68'-3"



AREA: 1,105 SQ FT

44'-9"



AREA: 950 SQ FT

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	9	0	Required
Total Elevated Components Accessible By Ramp	0	0	Required
Total Elevated Components Accessible By Transfer	5	5	Required
Total Accessible Ground Level Components Shown	8	8	Required
Total Different Types Of Ground Level Components	5	5	Required

**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:  
68'-3" x 44'-9"  
Scale: 3/16" = 1'  
This drawing can be scaled only when in an 11" x 17" format

This play equipment is recommended for children ages 5-12

Babcock State Park  
Campground Area Playground  
Clifftop, WV 25831  
Representative  
Southern Playground

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

Drawn By: J. Swledchowski  
Date: 8/28/09  
Drawing Name: 619-47660

8/28/2009

**Babcock State Park  
Campground Area Playground  
Drawing #619-47660**

**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.

## 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.

### General Specifications of Materials

#### 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, Steel

The posts shall be 5" outside diameter, 11 gauge (.120") galvanized round tubing, manufactured to ASTM A-500 Grade B tolerances from cold-formed steel conforming to ASTM A-569 Sheet Spec for steel coil. Minimum yield strength shall be 50,000 psi and minimum tensile strength shall be 55,000 psi. The exterior surface is hot dip galvanized, chromate conversion coated, and a clear high performance organic polymer is applied. The inside diameter has 81% minimum zinc rich primer capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out after welding for superior corrosion protection throughout. Exterior surface galvanizing zinc purity is 99% as per ASTM B-6 high grade and special high grade. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

## Metal Components

### Sided Entrance Barrier

Pipe Wall is fabricated from 1-5/16" O.D. 14-gauge galvanized steel tubing steel welded to L-Fittings and 3/16" x 2" x 27" Arch Side Entrance Plate. The entire Pipe Wall is coated with a bake on polyester powder-coated finished.

### Loop Pole

Vertical Pole Barrier is fabricated from 1-5/16" O.D. , 1-5/8" O.D. galvanized steel tubing, and galvanized tabs, and all welded. The entire barrier is coated after fabrication with a baked on polyester powder-coat finish. Loop Pole consists of 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. Loops are fabricated from a 1-5/16" O.D. tube bent to form 12" loops and welded to the center pole.

### Side Climber

Vertical Pole Barrier is fabricated from 1-5/16" O.D. and 1-5/8" O.D. galvanized steel tubing, with galvanized tabs. The entire Barrier is coated after fabrication with a baked on polyester powder-coated finish. Side Climber Frame consists of 1-5/8" O.D. galvanized steel tube and 1-5/8" O.D. galvanized steel tube with a 1-5/16" reduced end fitting for insertion into Vertical Pole Barrier overhead extension. Rungs are formed from 1-5/16" O.D. galvanized steel tubing. All parts are welded and receive a baked-on polyester powder-coated finish 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.

### 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.

### 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.

### Mount Everest Climber

CLIMBING BAR ASS'Y: 1 1/4" l.w. galvanized pipe, formed, with 3/16" Stainless Steel U-Fittings, all in a welded and powder coated assembly.

GUIDE ASS'Y: 1.315" O.D. Ga. Formed Rail with 3/16" Stainless Steel U-Fittings, all in a welded and powder coated assembly.

**FINISH:** Galvanized or powder coat over galvanized pipes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers 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.

#### Horizontal Loop Ladder Climber

Horizontal Loop Climber Assembly center beam and arms consist of 1-7/8" O.D. 13-gauge galvanized steel tubing. Loops are formed from 1-5/16" O.D. 14-gauge galvanized steel tubing 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 and clamps shall be coated with custom formula TGIC polyester powder.

#### Swivel Station

Horizontal Beam is made of 3-1/2" O.D. 13-gauge galvanized steel tubing and 1-5/16" O.D. 14-gauge galvanized steel tubing. All welding is steel. Play-Wheels consist of 3/4" O.D. tubing, spokes are made of 1/2" rod and reinforced with a 1/8" steel plates, free turning with a grease impregnated bronzed bushing press-fit into the shaft to provide smooth turning. 3-1/2" Steel Wide Half-Clamps are formed from a 3/16" thick steel plate. All parts are polyester powder-coated finished 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.

#### Hand Peddler

The Hand Peddler frame shall be an all welded assembly fabricated from 1 1/2" O.D. LW galvanized steel tubing and 1" O.D. LW galvanized steel tubing with 3/16" thick stainless steel tabs. The Hand Peddler frame shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein. The Hand Peddler disks shall be constructed of two 3/4" thick (2 color) high density, UV-stabilized and color impregnated polyethylene. The disks shall ride on three 1 1/2" molded urethane skate wheels.

### Rotomolded Components

#### Crawl Tunnels

Mounting bracket is fabricated from 7/8" O.D. 16-gauge galvanized steel tubing and 1/8" formed steel sheet and receives a baked-on polyester powder-coat finish after fabrication. Tubes shall be rotationally molded from an extremely durable low density polyethylene with (UV) light stabilizers and color molded in. Panel shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. Tube and Panel 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.



#### Avalanche & Landslide Slides

Slide footbuck is fabricated from 1 5/16" O.D. 14-gauge galvanized steel tubing and ¼" 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, Grade2, 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.

#### 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, Grade2< 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).

## 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".

### Isosceles Triangle Deck

Metal decks shall be a one-piece construction and shall be designed to maintain a 48" on center post spacing on two sides with a 90° corner between the two 48" sides and a 67-7/8" center post spacing on the final side. 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 galvalume 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.

### Kickplate - Isosceles

Kickplate measures 9-1/2" x 58", and is cut from galvalume sheet metal with (10) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Edges are ground smooth and receives a baked-on polyester powder-coated finish after fabrication.

### 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

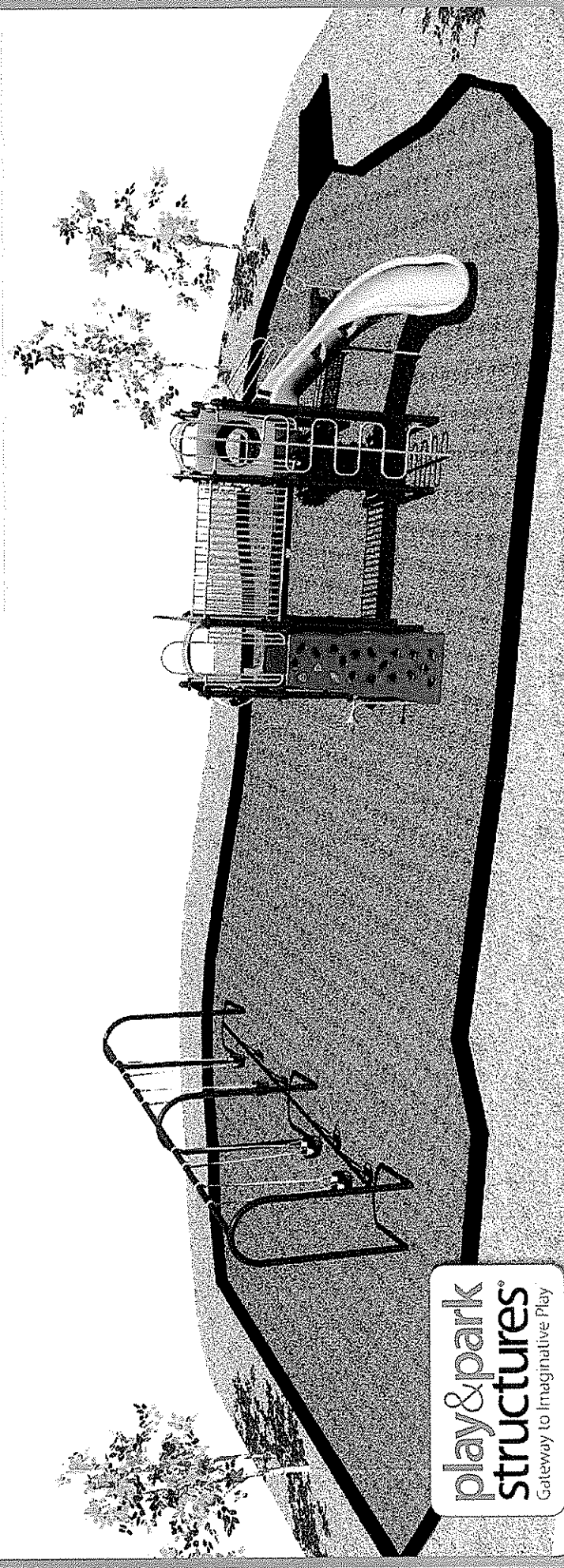
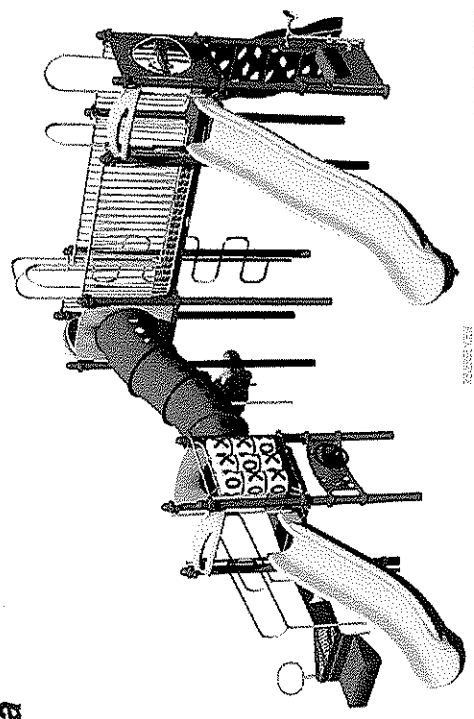
The Return Step shall be made from 12 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Return Steps shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. Support legs shall be fabricated from 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.

# Babcock State Park

Manns Creek Picnic Area  
Clifftop, WV



**SOUTHERN  
PLAYGROUND**  
P.O. Box 4505  
500 Central Drive #109  
Virginia Beach, VA 23454  
1-800-257-1314 info@southernplayground.com  
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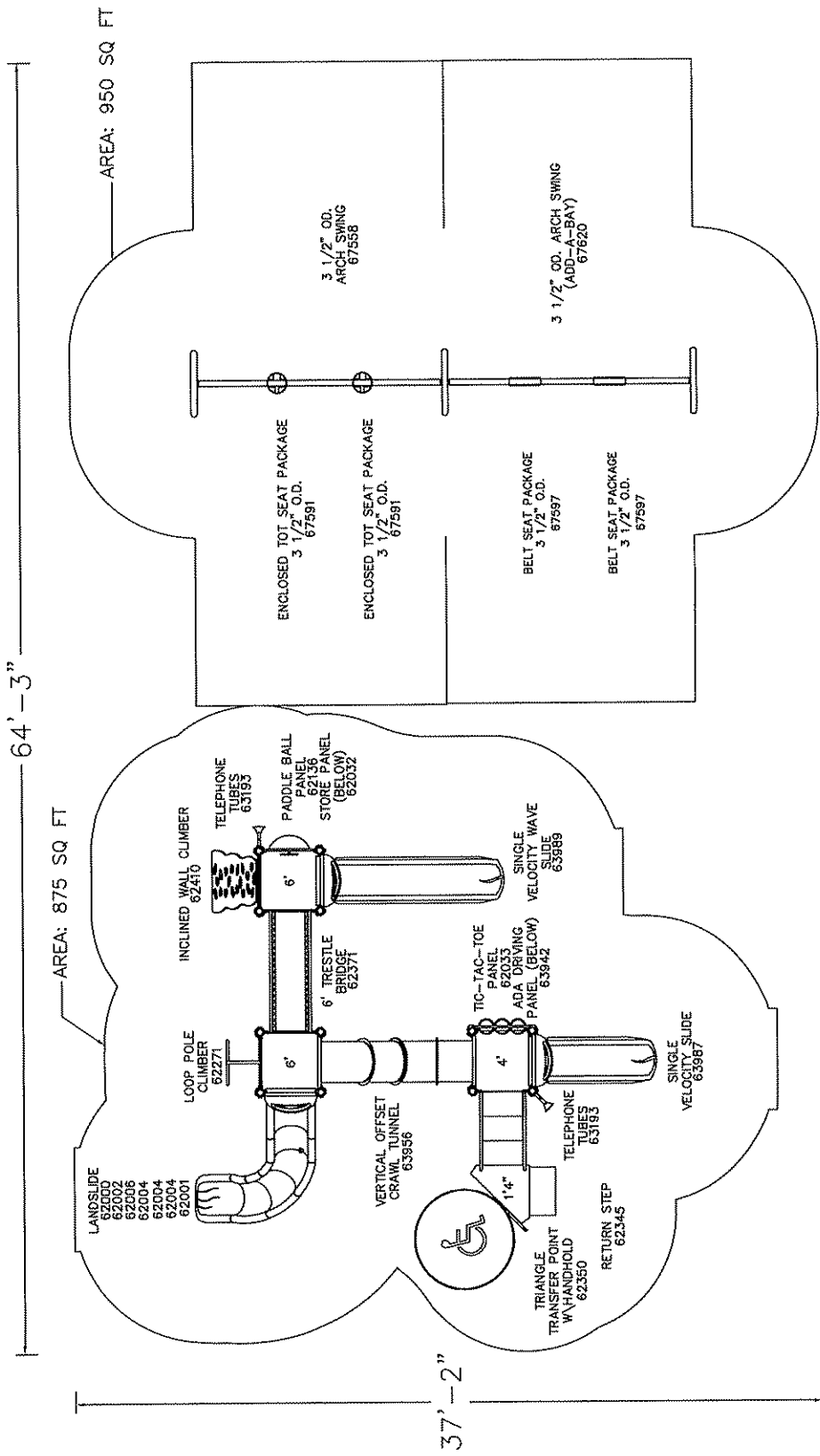


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playandpark.com

1-800-727-1907

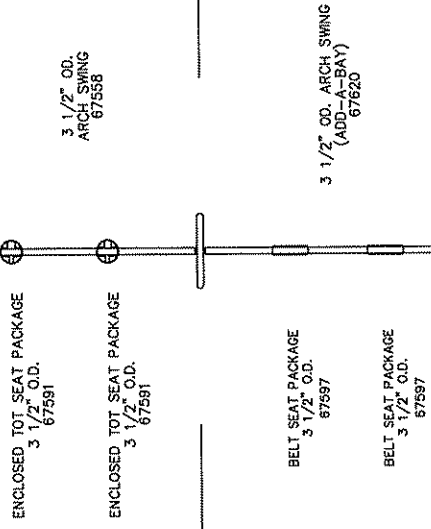
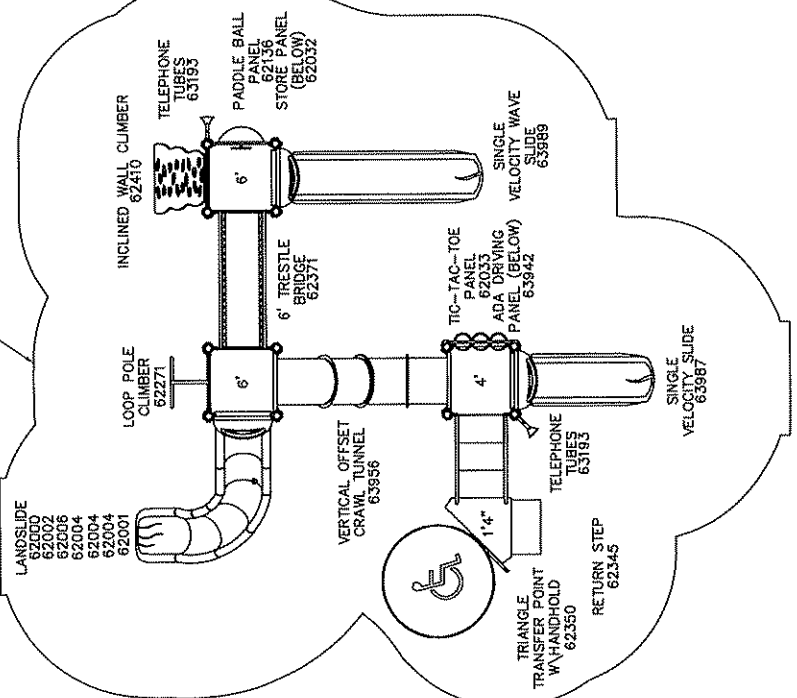


64'-3"

AREA: 875 SQ FT

AREA: 950 SQ FT

37'-2"



<p>It is the manufacturer's option 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>	<p>Total Elevated Play Components Total Elevated Play Components Accessible By Ramp Total Elevated Components Accessible By Transfer Total Accessible Ground Level Components Shown Total Different Types Of Ground Level Components</p>	<p>9 0 9 7 4</p>	<p>0 5 3 3</p>
<p>Minimum Area Required: 64'-3" x 37'-2" Scale: 3/16" = 1'-0" This drawing can be scaled only when in an 11" x 17" format</p>	<p>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.</p>	<p>Drawn By: J. Swieclchowski Date: 8/28/09 Drawing Name: 619-47661</p>	

This play equipment is recommended for children ages 5-12

Babcock State Park  
Manns Creek Picnic Area  
Clifftop, WV 25831  
Representative  
Southern Playground

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

8/28/2009

**Babcock State Park  
Manns Creek Picnic Area  
Drawing #619-47661**

**Park Play Specifications**

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**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.

## DuraMax Specifications

### General System Specifications:

DuraMax features 3 1/2" O.D. uprights with a high-strength aluminum alloy clamp fastening system finished with a polyester powder-coat and utilizing stainless steel tabs on component connections. 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.

### General Specifications of Materials

#### 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.

#### 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 - Steel

Shall be 3.5" outside diameter, 13 gauge (.095") galvanized round tubing, manufactured to ASTM A-500 Section II tolerances from cold-formed steel conforming to ASTM A-569 Sheet Spec for Steel Coil. Minimum yield strength shall be 50,000 psi and minimum tensile strength shall be 55,000 psi.

The exterior surface is hot dip galvanized, chromate conversion coated, and a clear high performance organic polymer is applied. The inside diameter has 81% minimum zinc rich primer capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out after welding for superior corrosion protection throughout. Exterior surface galvanizing zinc purity is 99% as per ASTM B-6 high grade and special high grade. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D. All upright posts shall have a finished grade line marking to indicate the correct playground safety surface level. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

#### HDPE Components

##### Paddle Ball Panel

Panel is cut from a sheet of high-density .750" and .356" thick extruded polyethylene with color molded in and UV-stabilized. Bubble is molded from a single piece of 1/4" thick clear Lexan, measuring 26-1/2" diameter, plus a 1-1/4" continuous mounting flange. Clear Lexan is 1/8" thickness with 9 pre-drilled holes for attachment. Bushings are fabricated from aluminum rod. Shaft is fabricated from 3/8" stainless steel rod with a 11-gauge galvanized flange stainless steel welded for attachment and receives a baked-on polyester powder-coated finish.



#### Driving Panel

Panel is cut from a single sheet of high-density .750" thick extruded solid polyethylene with color molded in and UV-stabilized. The steering wheel is molded of a durable proprietary plastic and shall withstand an impact of over 250 foot-pounds. A grease impregnated bronze bushing is pressed into the shaft to provide smooth turning. The steering wheel mounting bracket is formed of 3/16" thick steel and has a powder coat finish.

#### 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/ft<sup>3</sup> 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/ft<sup>3</sup> 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

#### Telephone Tubes

Telephone Tube receiver assembly consists of a bent 1-5/8" O.D. galvanized steel tube welded to 3/16" thick half clamps. "Receiver" is spun from 16-gauge galvanized sheet metal, and steel welded to the end of the tube. All parts shall be coated with a custom formula TGIC polyester powder coating after fabrication. Flexible hose is heavy-duty underground utility polyethylene type.

#### Loop Pole

Vertical Pole Barrier is fabricated from 1-5/16" O.D. , 1-5/8" O.D. galvanized steel tubing, and galvanized tabs, and all welded. The entire barrier is coated after fabrication with a baked on polyester powder-coat finish. Loop Pole consists of 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. Loops are fabricated from a 1-5/16" O.D. tube bent to form 12" loops and welded to the center pole.

### Roto-Molded Components

#### Tic-Tac-Toe Frame

Tic-Tac-Toe Frame consist of 1" O.D. 11-gauge galvanize steel tubing and 1-5/16" O.D. 14-gauge galvanize steel tubing. Tic-Tac-Toe Frame receives a baked on polyester powder-coated finish after fabrication. Tic-Tac-Toe Plastic Blocks are rotationally molded from an extremely durable medium-density polyethylene with lettering molded in.

## Landslide

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. All metal parts receive a baked-on polyester powder-coat finish after fabrication. Panel is cut from a solid sheet of high-density .850" thick extruded polyethylene with color molded in and UV-stabilized. Slide sections 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. 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

Slide foot buck is fabricated from 2 3/8" O.D. 13 gauge galvanized steel tubing with a welded 12 gauge steel plate. All metal parts receive a baked-on polyester powder-coat finish after fabrication. Handhold is made of a 1 5/16" O.D. 14 gauge galvanized pipe, 12 gauge laser cut stainless steel and a 14 gauge galvanized end cap. Visor Hood and Fast Four Slide 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. The entrance section shall have a flat "sit-down" area 17-3/4" wide x 12" long. The side walls in this area shall be 20" high (measured from the slide surface) and shall be molded into the entrance section.

## Crawl Tunnels

Mounting bracket is fabricated from 7/8" O.D. 16-gauge galvanized steel tubing and 1/8" formed steel sheet and receives a baked-on polyester powder-coat finish after fabrication. Tubes shall be rotationally molded from an extremely durable low density polyethylene with (UV) light stabilizers and color molded in. Panel shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. Tube and Panel 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.

## Deck Components

### Deck Platforms

Metal decks shall be a one-piece construction and shall be designed to maintain a full 36" on center post spacing. Metal decks shall be fabricated from 12 gauge hot rolled steel which shall be punched, formed, and reinforced with welded in place 2-1/2" x 12 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 measures 9-1/2" x 29", and is cut from galvanneal sheet metal with (4) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Edges are ground smooth and Kick plate is powder-coated after fabrication with a baked on polyester finish.

#### Triangle Transfer Point 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.

#### Trestle Bridge

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.

The Trestle Bridge is fabricated from pre-punched steel sheet 12-gauge thick with steel flat support bars welded underneath to increase strength. After welding, the entire platform is Plastisol coated, with a thickness of 80 mils minimum. Average perforation size is 3/16" diameter after coating. Ramp guardrails are fabricated from 1-5/16" O.D. 14-gauge galvanized steel tubing with 'L' fittings stainless steel welded for attachment. Each entire Guardrail receives a baked-on polyester powder-coated finish.

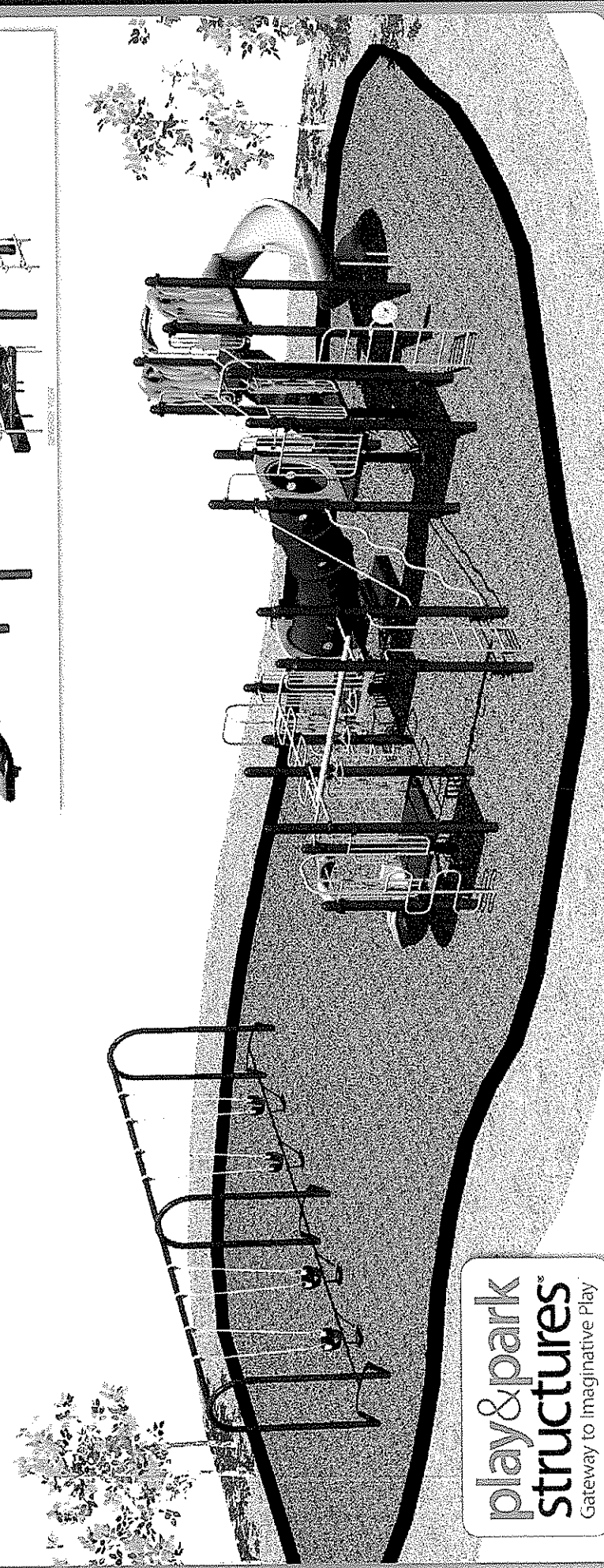
# Babcock State Park

Sugar Camp Run Picnic Area  
Clifftop, WV



P.O. Box 4505  
500 Central Drive #109  
Virginia Beach, VA 23464  
1-757-431-0057 info@southernplayground.com

**1-800-257-1314**



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

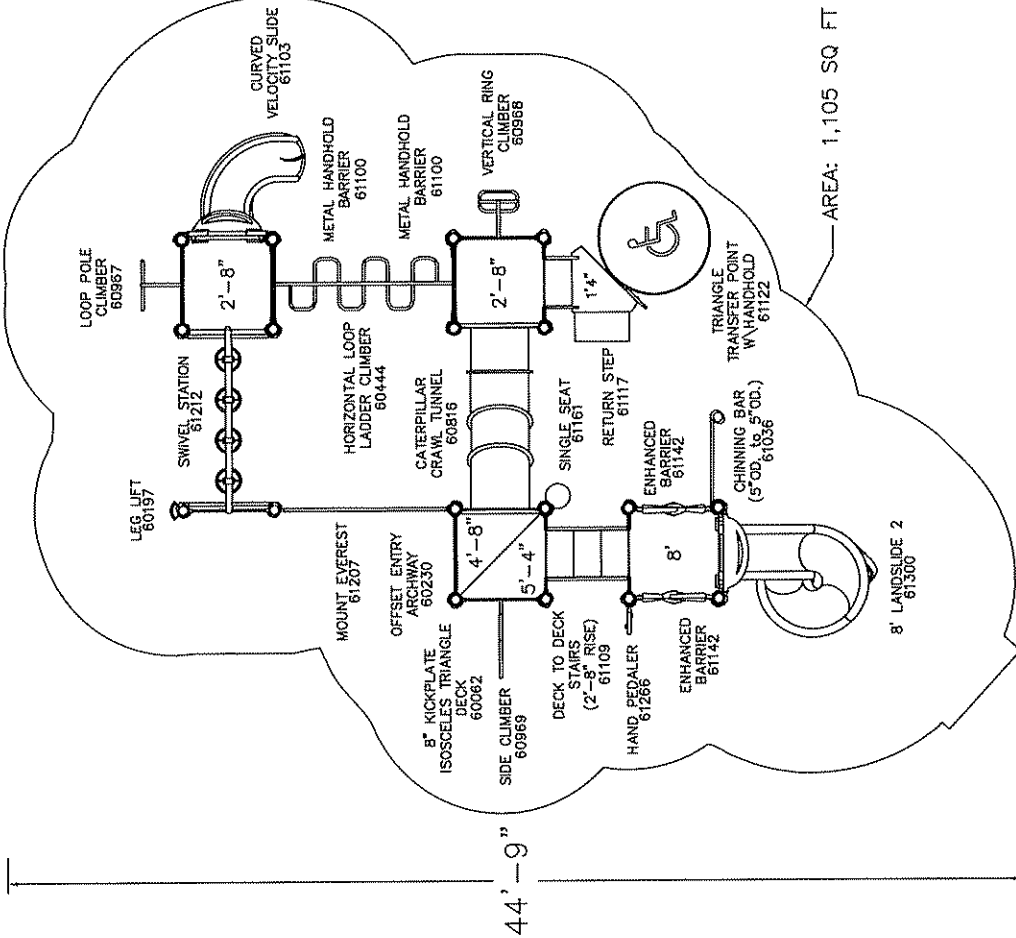
Gateway to Imaginative Play

1-800-727-1907

playandpark.com



68'-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	Total Elevated Play Components	9	0	Required
	Total Elevated Play Components Accessible By Ramp	0	6	Required
	Total Elevated Components Accessible By Transfer	6	8	Required
	Total Accessible Ground Level Components Shown	8	5	Required
	Total Different Types Of Ground Level Components	5	3	Required

Minimum Area Required:  
68'-3" X 44'-9"  
Scale: 3/16" = 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.

Drawn By:  
J. Swieclichowski  
Date:  
8/28/09  
Drawing Name:  
619-47662

This play equipment is recommended for children ages 5-12

Babcock State Park  
Sugar Camp Run Picnic Area  
Clifftop, WV 25831  
Representative  
Southern Playground

play&park structures  
9004 CERTIFIED  
401 Chestnut St., Ste. 310  
Chattanooga, TN 37402  
800-727-1907  
www.playandpark.com

8/28/2009

**Babcock State Park**  
**Sugar Camp Run Picnic Area**  
**Drawing #619-47662**

**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.

## 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.

### General Specifications of Materials

#### 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, Steel

The posts shall be 5" outside diameter, 11 gauge (.120") galvanized round tubing, manufactured to ASTM A-500 Grade B tolerances from cold-formed steel conforming to ASTM A-569 Sheet Spec for steel coil. Minimum yield strength shall be 50,000 psi and minimum tensile strength shall be 55,000 psi. The exterior surface is hot dip galvanized, chromate conversion coated, and a clear high performance organic polymer is applied. The inside diameter has 81% minimum zinc rich primer capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out after welding for superior corrosion protection throughout. Exterior surface galvanizing zinc purity is 99% as per ASTM B-6 high grade and special high grade. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.



## Metal Components

### Sided Entrance Barrier

Pipe Wall is fabricated from 1-5/16" O.D. 14-gauge galvanized steel tubing steel welded to L-Fittings and 3/16" x 2" x 27" Arch Side Entrance Plate. The entire Pipe Wall is coated with a bake on polyester powder-coated finished.

### Loop Pole

Vertical Pole Barrier is fabricated from 1-5/16" O.D. , 1-5/8" O.D. galvanized steel tubing, and galvanized tabs, and all welded. The entire barrier is coated after fabrication with a baked on polyester powder-coat finish. Loop Pole consists of 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. Loops are fabricated from a 1-5/16" O.D. tube bent to form 12" loops and welded to the center pole.

### Side Climber

Vertical Pole Barrier is fabricated from 1-5/16" O.D. and 1-5/8" O.D. galvanized steel tubing, with galvanized tabs. The entire Barrier is coated after fabrication with a baked on polyester powder-coated finish. Side Climber Frame consists of 1-5/8" O.D. galvanized steel tube and 1-5/8" O.D. galvanized steel tube with a 1-5/16" reduced end fitting for insertion into Vertical Pole Barrier overhead extension. Rungs are formed from 1-5/16" O.D. galvanized steel tubing. All parts are welded and receive a baked-on polyester powder-coated finish 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.

### 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.

### 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.

### Mount Everest Climber

CLIMBING BAR ASS'Y: 1 ¼" l.w. galvanized pipe, formed, with 3/16" Stainless Steel U-Fittings, all in a welded and powder coated assembly.

GUIDE ASS'Y: 1.315" O.D. Ga. Formed Rail with 3/16" Stainless Steel U-Fittings, all in a welded and powder coated assembly.

**FINISH:** Galvanized or powder coat over galvanized pipes.

**HARDWARE:** All nuts, bolts, screws, inserts, and lockwashers 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.

#### Horizontal Loop Ladder Climber

Horizontal Loop Climber Assembly center beam and arms consist of 1-7/8" O.D. 13-gauge galvanized steel tubing. Loops are formed from 1-5/16" O.D. 14-gauge galvanized steel tubing 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 and clamps shall be coated with custom formula TGIC polyester powder.

#### Swivel Station

Horizontal Beam is made of 3-1/2" O.D. 13-gauge galvanized steel tubing and 1-5/16" O.D. 14-gauge galvanized steel tubing. All welding is steel. Play-Wheels consist of 3/4" O.D. tubing, spokes are made of 1/2" rod and reinforced with a 1/8" steel plates, free turning with a grease impregnated bronzed bushing press-fit into the shaft to provide smooth turning. 3-1/2" Steel Wide Half-Clamps are formed from a 3/16" thick steel plate. All parts are polyester powder-coated finished 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.

#### Hand Peddler

The Hand Peddler frame shall be an all welded assembly fabricated from 1 1/2" O.D. LW galvanized steel tubing and 1" O.D. LW galvanized steel tubing with 3/16" thick stainless steel tabs. The Hand Peddler frame shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein. The Hand Peddler disks shall be constructed of two 3/4" thick (2 color) high density, UV-stabilized and color impregnated polyethylene. The disks shall ride on three 1 1/2" molded urethane skate wheels.

### Rotomolded Components

#### Crawl Tunnels

Mounting bracket is fabricated from 7/8" O.D. 16-gauge galvanized steel tubing and 1/8" formed steel sheet and receives a baked-on polyester powder-coat finish after fabrication. Tubes shall be rotationally molded from an extremely durable low density polyethylene with (UV) light stabilizers and color molded in. Panel shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. Tube and Panel 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.

#### Avalanche & Landslide Slides

Slide footbuck is fabricated from 1 5/16" O.D. 14-gauge galvanized steel tubing and ¼" 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, Grade2, 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.

#### 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, Grade2< 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).

## 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".

### Isosceles Triangle Deck

Metal decks shall be a one-piece construction and shall be designed to maintain a 48" on center post spacing on two sides with a 90° corner between the two 48" sides and a 67-7/8" center post spacing on the final side. 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.

### Kickplate - Isosceles

Kickplate measures 9-1/2" x 58", and is cut from galvanized sheet metal with (10) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Edges are ground smooth and receives a baked-on polyester powder-coated finish after fabrication.

### 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.

**play&park**  
**structures**<sup>®</sup>  
Gateway to Imaginative Play

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

August 31, 2009

West Virginia Department of Administration  
Attn: Krista Ferrell  
HC 35, Box 150  
Clifftop, WV 25831

RE: Play & Park Structures Drawings # 619-47660, 619-47661, 619-47662 –  
Babcock State Park

Ms. Ferrell:

This letter will serve to confirm that the equipment referenced above was designed to conform to or exceed the applicable voluntary CPSC guidelines and ASTM standards (F1487.07). If you have any questions, please feel free to let me know.

Sincerely,

**PlayCore**



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

MH/mt