



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:
DNR210028

PAGE:
1

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

RFQ COPY

TYPE NAME/ADDRESS HERE
*Southern Playground
 PO Box 4505
 VIRGINIA BEACH, VA
 23454*

SHIP TO

DIVISION OF NATURAL RESOURCES
 CASS SCENIC RAILROAD ST PARK
 ATTN: PARK SUPERINTENDENT
 BOX 107
 CASS, WV
 24927

456-4300

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/17/2009				

BID OPENING DATE: **10/15/2009** BID OPENING TIME: **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		4187181
PLAYGROUND EQUIPMENT CASS SCENIC RR STATE PARK THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES IS SOLICITING BIDS FOR PLAYGROUND EQUIPMENT FOR CASS SCENIC RAILROAD STATE PARK PER THE ATTACHED SPECIFICATIONS. TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR TECHNICAL QUESTIONS IS 10/01/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER. 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 SPECIFICATION						

RECEIVED

2009 OCT 15 AM 10:17

WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Audrey Bowen</i>	TELEPHONE 757 943 1225	DATE 10-14-09
TITLE <i>RESIDENT</i>	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."

INSTRUCTIONS TO BIDDERS

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



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

**Request for
 Quotation**

RFQ NUMBER
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PAGE
 2

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES
 CASS SCENIC RAILROAD ST PARK
 ATTN: PARK SUPERINTENDENT
 BOX 107
 CASS, WV
 24927 456-4300

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/17/2009				

BID OPENING DATE: 10/15/2009 BID OPENING TIME: 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS. NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>RFQ. NO.: DNR210028</p> <p>BID OPENING DATE: 10/15/2009</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p>----- 757 431-0036 -----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 757 243 1225	DATE 10-14-09
TITLE RESIDENT	FEIN 54-0983230	ADDRESS CHANGES TO BE NOTED ABOVE

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

P3

WVDNR210028
Cass Scenic Railroad State Park
Playground Equipment

To supply railroad themed playground equipment to offer play activities for children ages two (2) to twelve (12) at Cass Scenic Railroad State Park, Cass, West Virginia. Playground equipment will be purchased for two separate areas in the park. Park personnel will install all playground equipment. The award may be split if it is in the best interest of the West Virginia Division of Natural Resources. All items must be F.O.B. Destination. Freight or delivery charges must be included in the price of the goods. Delivery must be made within thirty (30) days of purchase order award.

AREA 1 - DEPOT AREA

PrimeTime custom modular unit or equal. Structure must be railroad themed and include the following components:

- Three (3) PrimeTime 3 ½" OD upright assembly, Model #12024, or equal. Upright must be a minimum of 9' in height and composed of aluminum.
- Seven (7) PrimeTime 3 ½" OD upright assembly, Model #12026, or equal. Uprights must be a minimum of 11' in height and constructed of aluminum.
- One PrimeTime D ring package, Model #12049, or equal.
- Four (4) PrimeTime 3 and ½" OD upright assembly, Model # 12077. Uprights must be a minimum of 15' in height and constructed of aluminum.
- One (1) PrimeTime dna climber, Model #2113, or equal. Climber must be a minimum of 5' in height.
- One (1) PrimeTime crunch bar, Model #12215, or equal. Bar must be constructed of metal.
- One (1) PrimeTime straight horizontal loop ladder attachment, Model #12219, or equal.
- One (1) PrimeTime rung access, Model #12615, or equal. Access must be a minimum of 5' 0"/6' 0" in height.
- One (1) PrimeTime therapeutic ring attachment, Model #12704, or equal.
- One (1) PrimeTime single seat P/T, Model #12728, or equal.
- One (1) PrimeTime Turning bar P/T, Model #12729, or equal.

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WVDNR210028
Cass Scenic Railroad State Park
Playground Equipment

- One (1) PrimeTime Rock Wail Climber, Model #12913, or equal. Climber must have a minimum 45 ½" deck.
- Two (2) square punched deck P/T 1.3125, Model 18200, or equal. Deck must be a minimum of 36".
- One (1) PrimeTime rectangular punched deck P/T, Model #18202, or equal.
- One (1) transfer point, Model #18251, or equal. Transfer point must be a minimum of 3' in height and a minimum of 36" in width.
- One (1) PrimeTime step link, Model #18259, or equal. Step link must be a minimum of 2' in height and with a deck a minimum of 36".
- One (1) PrimeTime access attachment, Model #18273, or equal. Attachment must be a maximum of 8" in height.
- One (1) PrimeTime suspension bridge, Model #18340, or equal. Bridge must be a minimum 36" in length.
- One (1) PrimeTime cosmix climber, Model #18361, or equal. Climber must be a minimum of 8' in height with a minimum of 36" deck.
- One (1) PrimeTime double zip slide, Model #18378, or equal. Slide must be a minimum of 5' in height.
- One (1) PrimeTime curved zip slide, Model #18387, or equal. Slide must be a minimum of 3' in height with a minimum 36" deck.
- One (1) PrimeTime shingle roof, Model #18671, or equal.
- One (1) PrimeTime 3 and 1/2" OD upright assembly, Model #G12026. Upright must be a minimum of 11' in height and must be constructed of galvanized steel.
- One (1) PrimeTime train whistle, Model #81695, or equal railroad themed item.
- One (1) GameTime owner's kit, Model #17849, or equal.

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WVDNR210028
Cass Scenic Railroad State Park
Playground Equipment

AREA 2 - WHITTAKER AREA

GameTime PowerScape plus modular unit or equal. Structure must be railroad themed and composed of the following components:

- Three (3) PowerScape punched steel deck, Model #80000, or equal. Deck must be a minimum of 49" in height.
- Four (4) PowerScape upright assembly, Model #80016, or equal. Upright must be a minimum of 9' in height and constructed of aluminum.
- Two (2) PowerScape upright assembly, Model #80017, or equal. Upright must be a minimum of 10' in height and constructed of aluminum.
- Seven (7) PowerScape upright assembly, Model #80018, or equal. Upright must be a minimum of 11' in height and constructed of aluminum.
- Four (4) upright assembly, Model #80019, or equal. Upright must be a minimum of 12' in height and constructed of aluminum.
- One (1) PowerScape perforated metal roof, Model #80104, or equal.
- One (1) PowerScape loop ladder, Model # 80311, or equal. Ladder must be a minimum of 5' in height.
- One (1) PowerScape leaning wall climber, Model #80395, or equal. Climber must be a minimum of 2' in height.
- One (1) PowerScape transfer point, Model #80653, or equal. Transfer point must be a minimum of 3' in height.
- One (1) PowerScape Access attachment, Model #80656, or equal. Attachment must be a minimum of 25 ½" wide x 14 ⅝" deep x 8" high.
- One (1) PowerScape handhold/kick plate package, Model #80687, or equal.
- One (1) 80694-stepped platform, Model #80694, or equal. Platform must be a minimum of 12" in height.
- One (1) tunnel-up crawl tube, Model #80715, or equal. Tube must be a minimum of 8' in length.

WVDNR210028
Cass Scenic Railroad State Park
Playground Equipment

- One (1) PowerScape choo panel, Model #80936, or equal railroad themed item.
- Two (2) PowerScape train cabin, Model # 80945, or equal or equal railroad themed item.
- One (1) PowerScape funnel bridge, Model #81108, or equal. Bridge must be a minimum of 49" in length.
- One (1) PowerScape Giant wave climber link, Model #81143, or equal.
- One (1) PowerScape wildslide exit section, Model #81274, or equal.
- One (1) PowerScape wildslide 135 degree section, Model #81324, or equal.
- One (1) PowerScape wildslide entrance section, Model #81325, or equal.
- One (1) PowerScape double zipslide, Model #81344, or equal. Slide must be a minimum of 5' in height.
- One (1) PowerScape horizontal loop attachment, Model #81507, or equal. Attachment must be a minimum of 84" in height as measured from grasping device to protective surface and a minimum of 98" in length.
- One (1) PowerScape hand cycler, Model #81669, or equal railroad themed item.
- One (1) PowerScape train locomotive, Model # 81686, or equal railroad themed item.
- One (1) PowerScape single steering wheel, Model #81691, or equal.
- One (1) PowerScape upright assembly, Model #G80018, or equal. Upright must be a minimum of 11' in height and constructed of galvanized steel.
- One (1) PowerScape train whistle, Model #81695, or equal railroad themed item.

PrimeTime swing, Item #12583, or equal. Top rail and arch must have a minimum 3 ½ inch OD; arch must be a minimum of 11 gauge galvanized steel tubing; must include a minimum of 3 ½ inch O.D. galvanized steel sleeve; must be polyester powder coat; must be a minimum of 8 foot high with finished surface; and must accommodate two (2) free standing swings.

PrimeTime swing add-a-bay, Item #12584, or equal. Top rail and arch must have a minimum 3 ½ inch OD; arch must be a minimum of 11 gauge galvanized steel tubing; must include a

WVDNR210028
Cass Scenic Railroad State Park
Playground Equipment

minimum of 3 ½ inch O.D. galvanized steel sleeve; must be polyester powder coat; must be a minimum of 8 foot high with a finished surface; and must accommodate two (2) free standing swings.

PrimeTime swing belt seat package 3 ½" OD, item #8910, or equal. Package must include all hardware necessary to attach to a minimum of a 3 ½ inch top rail.

One (1) GameTime owner's kit, Model #17849, or equal.

ITEMS FOR BOTH PLAYGROUND AREAS

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

Geo-textile fabric, 2,250 square foot roll, or equal. Fabric must provide a water permeable separation between the earth and the wood fiber and at least 150 gallons per square foot per minute. Installation to be completed by park personnel

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WVDNR210028
Cass Scenic Railroad State Park
Playground Equipment

All playground equipment 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 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.

Structural steel members and play surfaces must be treated for rust prevention and painted with a suitable powder coat finish. All molded plastics and vinyl coatings must have UV protection

Vendor must provide complete installation instructions, parts specifications, touch-up paint sufficient for initial installation, and warranties.

Color scheme of equipment must be coordinated with Cass Scenic Railroad State Park. Color of items will be selected from manufacturer's standard colors.

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: Al DuBois
 Date: 10/14/09 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 Play Grounds

Authorized Signature: _____

A. Dubois

Date: _____

10/14/09

PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Depot Area Playground - PrimeTime custom modular unit or equal.	11335.00	11335.00
2	1	Depot Area Playground - one (1) GameTime owner's kit, Model #17849, or equal.	200.00	200.00
3	1	Whittaker Area Playground - PowerScape plus modular unit, or equal. Structure must be composed of the following components:	22303.50	22303.50
4	1	Whittaker Area Playground - one (1) PrimeTime 2 seat swing, Model #12583.	552.00	552.00
5	2	Whittaker Area Playground - Primetime swing add-a-bay, Model #12584, or equal.	342.50	685.00
6	6	Whittaker Area Playground - PrimeTime 3 1/2" belt seat with galvanized chain, Model #8910, or equal.	150.40	902.40
7	1	Whittaker Area Playground - one (1) GameTime owner's kit, Model #17849, or equal.	200.00	200.00
8	6,011 Square Feet	Depot Area Playground (2,396 Square Feet) and Whittaker Area Playground (3,615) - engineered wood fiber or equal @ 8" compacted depth.	.81	4868.91
9	3 Rolls	Depot Area Playground and Whittaker Area Playground geo-textile fabric, 2250 square foot roll, or equal.	275.00	825.00
TOTAL:				41871.81



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

October 14, 2009

State of West Virginia
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Park Structures Drawings # 619-48567 and 619-48568 – Cass
Scenic Railroad State Park

To Whom It May Concern:

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

Sincerely,

PlayCore

A handwritten signature in black ink that reads "Mike Hawkins". The signature is written in a cursive, flowing style.

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

MH/mt

WVDNR210028
Cass Scenic Railroad 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 in equal inch 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	Model
1	Depot Area Playground - PrimeTime custom modular unit, or equal. The structure must include the following components:	PLAY + PARK STRUCTURES	619-48567
	Depot Area Playground - Three (3) PrimeTime 3 1/2" OD upright assembly, Model #12024, or equal.		62008
	Depot Area Playground - Seven (7) PrimeTime 3 1/2" OD upright assembly, Model #12026, or equal.		62022
	Depot Area Playground - one (1) PrimeTime D ring package, Model #12049, or equal.		63012
	Depot Area Playground - four (4) PrimeTime 3 1/2" OD upright assembly, Model # 12077.		62298
	Depot Area Playground - one (1) PrimeTime dna climber, Model #2113, or equal.		62061
	Depot Area Playground - one (1) PrimeTime crunch bar, Model #12215, or equal.		62365
	Depot Area Playground - one (1) PrimeTime straight horizontal loop ladder attachment, Model #12219, or equal.		63754

WVDNR210028

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Cass Scenic Railroad State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	Depot Area Playground - one (1) PrimeTime rung access, Model #12615, or equal.	PLAY + PARK STRUCTURES	62172
	Depot Area Playground - one (1) PrimeTime therapeutic ring attachment, Model #12704, or equal.		-
	Depot Area Playground - one (1) PrimeTime single seat p/t, Model #12728, or equal.		62366
	Depot Area Playground - one (1) PrimeTime turning bar P/T, Model #12729, or equal.		62443
	Depot Area Playground - one (1) PrimeTime rock wall climber, Model #12913, or equal.		62310
	Depot Area Playground - two (2) square punched deck P/T 1.3125, Model #18200, or equal.		62010
	Depot Area Playground - one (1) PrimeTime rectangular punched deck p.t, Model #18202, or equal.		62334
	Depot Area Playground - one (1) transfer point, Model #18251, or equal.		62348
	Depot Area Playground - one (1) PrimeTime step link, Model #18259, or equal.		62345
	Depot Area Playground - one (1) PrimeTime 18273- 3' and 5' access attachment, Model #18273, or equal.		62337

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model	
	Depot Area Playground - one (1) PrimeTime suspension bridge, Model #18340, or equal.	PLAY + PARK STRUCTURES	62138	
	Depot Area Playground - one (1) PrimeTime cosmix climber, Model #18361, or equal.	}	62314	
	Depot Area Playground - one (1) PrimeTime double zip slide, Model #18378, or equal.		63990	
	Depot Area Playground - one (1) PrimeTime curved zip slide, Model #18387, or equal.		62330	
	Depot Area Playground - one (1) PrimeTime shingle roof, Model #18671, or equal.		NOT APPLICABLE	
	Depot Area Playground - one (1) PrimeTime 3 1/2"OD upright assembly, Model #G12026.		"	
	Depot Area Playground - one (1) PrimeTime train whistle, Model #81695, or equal.		63715	
2	Depot Area Playground - one (1) GameTime owner's kit, Model #17849, or equal.		OWNER'S KIT	
3	Whittaker Area Playground - PowerScape plus modular unit, or equal. Structure must be composed of the following components:			619-48568
	Whittaker Area Playground - Three (3) PowerScape punched steel deck, Model #80000, or equal.		↓	60055

WVDNR210028

Cass Scenic Railroad State Park

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PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	Whittaker Area Playground - four (4) PowerScape upright assembly, Model #80016, or equal.	PLAY + PARK STRUCTURE	60040
	Whittaker Area Playground - two (2) PowerScape upright assembly, Model #80017, or equal.		60948
	Whittaker Area Playground - Seven (7) PowerScape upright assembly, Model #80018, or equal.		60059
	Whittaker Area Playground - four (4) 80019- 12' upright assembly, aluminum.		60060
	Whittaker Area Playground - one (1) PowerScape perforated metal roof, Model #80104, or equal.		60125
	Whittaker Area Playground - one (1) PowerScape loop ladder, Model # 80311, or equal.		60435
	Whittaker Area Playground - one (1) PowerScape leaning wall climber, Model #80395, or equal.		61261
	Whittaker Area Playground - one (1) PowerScape transfer point, Model #80653, or equal.		60143
	Whittaker Area Playground - one (1) PowerScape Access attachment, Model #80656, or equal.		60064
	Whittaker Area Playground - one (1) PowerScape handhold/kick plate package, Model #80687, or equal.		60061

Cass Scenic Railroad State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	Whittaker Area Playground - one (1) PowerScape stepped platform, Model # 80694, or equal.	PLAY & PARK STRUCTURES	
	Whittaker Area Playground - one (1) PowerScape tunnel-up crawl tube, Model # 80715, or		60816 60801
	Whittaker Area Playground - one (1) PowerScape choo panel, Model #80936, or equal.		61143
	Whittaker Area Playground - two (2) PowerScape train cabin, Model # 80945, or equal.		60189
	Whittaker Area Playground - one (1) PowerScape funnel bridge, Model #81108, or		61139
	Whittaker Area Playground - one (1) PowerScape Giant wave climber link, Model #81143, or equal.		60816
	Whittaker Area Playground - one (1) PowerScape wildslide exit section, Model #81274, or equal.		61319
	Whittaker Area Playground - one (1) PowerScape wildslide 135 degree section, Model		61319
	Whittaker Area Playground - one (1) PowerScape wildslide entrance section, Model #81325, or equal.		61319
	Whittaker Area Playground - one (1) PowerScape double zipslide, Model #81344, or equal.		61053

Cass Scenic Railroad State Park
PLAYGROUND EQUIPMENT SHEET

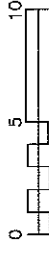
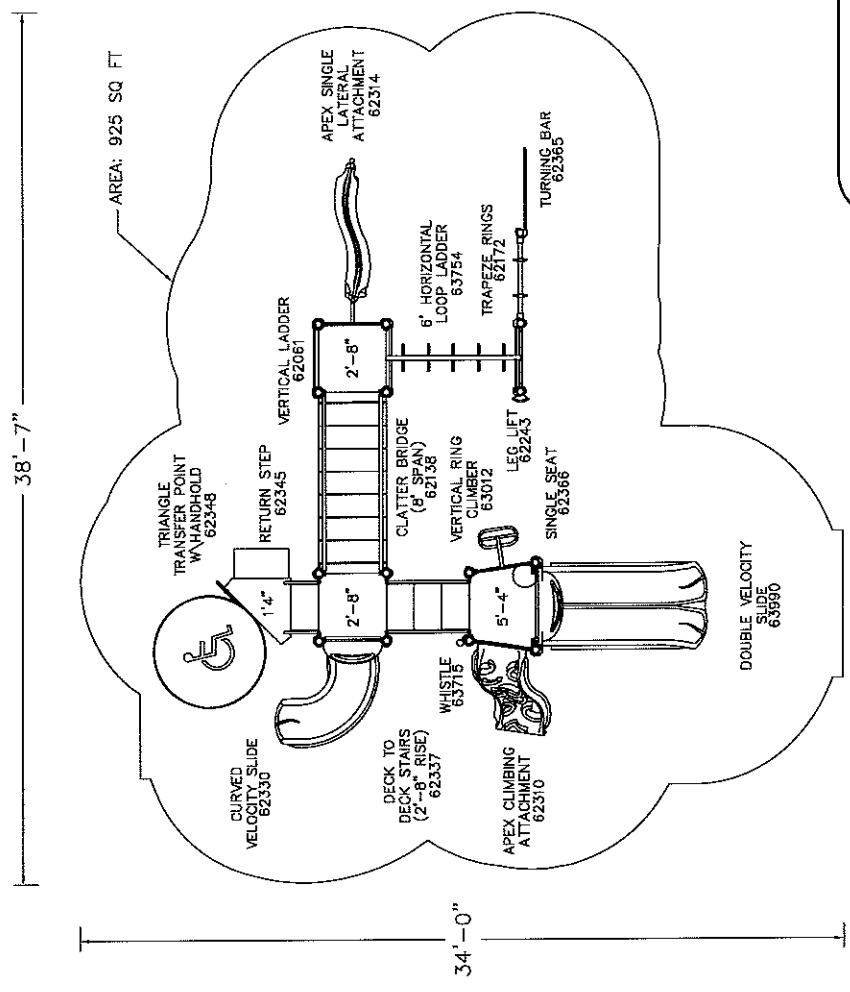
Item No.	Equipment	Manufacturer	Model
	Whittaker Area Playground - one (1) PowerScape horizontal loop attachment, Model #81507, or equal.	PLAY + MORE STRUCTURES	61066
	Whittaker Area Playground - one (1) PowerScape hand cycler, Model #81669, or equal.		61266
	Whittaker Area Playground - one (1) PowerScape train locomotive, Model # 81686, or equal.		60186
	Whittaker Area Playground - one (1) PowerScape single steering wheel, Model #81691, or equal.		61143
	Whittaker Area Playground - one (1) PowerScape upright assembly, Model #G80018, or equal.		60956
	Whittaker Area Playground - one (1) PowerScape train whistle, Model #81695, or equal.		61256
4	Whittaker Area Playground - one (1) PrimeTime 2 seat swing, Model #12583.		67558
5	Whittaker Area Playground - two (2) 2 seat Primetime swing add-a-bay, Model #12584, or equal.		67620
6	Whittaker Area Playground - PrimeTime 3 1/2" belt seat with galvanized chain, Model #8910, or equal.		67597
7	Whittaker Area Playground - one (1) GameTime owner's kit, Model #17849, or equal.	✓	OWNER'S KIT

WVDNR210028

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Cass Scenic Railroad State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
8	Depot Area Playground (2,396 Square Feet) and Whittaker Area Playground (3,615) - engineered wood fiber or equal @ 8" compacted depth.	ZEMER BROS	WOODCARPET
9	Depot Area Playground Whittaker Area Playground geo-textile fabric, 2,250 square foot roll, or equal.	COLONIAL CONS MATERIALS	FILTER FABRIC



<p>It is the manufacturer's opinion that the structure shown herein complies with current ADA standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment</p>	<p>Total Elevated Play Components 8</p> <p>Total Elevated Play Components Accessible By Ramp 0</p> <p>Total Elevated Components Accessible By Transfer 8</p> <p>Total Accessible Ground Level Components Shown 5</p> <p>Total Different Types Of Ground Level Components 4</p>	<p>0 Required</p> <p>4 Required</p> <p>3 Required</p> <p>3 Required</p>
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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:
38'-7" x 34'-0"
Sealer: 3/16" = 1'-0"
This drawing can be scaled only when in an 11" x 17" format

This play equipment is recommended for children ages 5-12

Drawn By: J. Swledchowski
Date: 10/5/09
Drawing Name: 619-48567

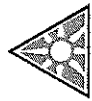
Cass Scenic Railroad State Park
Area 1 - Depot Area
Cass, WV 24927
Representative
Southern Playground

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

Cass Scenic Railroad State Park

Cass, WV

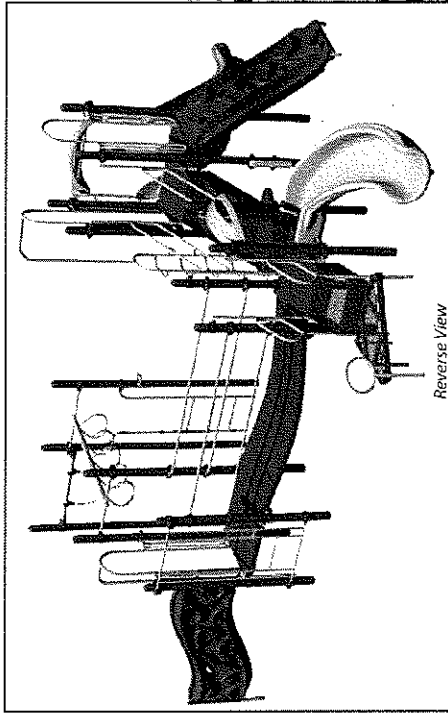
Area 1 - Depot Area



**SOUTHERN
PLAYGROUND**

P.O. Box 4595
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Virginia Beach VA 23454
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1-800-257-1314



Reverse View



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

playandpark.com

Gateway to Imaginative Play

1-800-727-1907

10/5/2009

Cass Scenic Railroad State Park
Area 1 – Depot Area
Drawing 619-48567

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.

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. Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment. 1/2" diameter Ramp and Arch Bridge connecting hardware shall be Grade 5 zinc-plated, and 3/8" Clatter Bridge security bolts shall be Grade 8 hardened and zinc-plated.

Plastisol Coating

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

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

Uprights - Aluminum

The posts shall be 3 1/2" O.D. with a 0.125" wall thickness 6061-T6 extruded seamless Aluminum tubing conforming to ASTM B-221 and QQ-A 200/8. Tensile strength is 44,962 psi, and yield strength is 39,885 psi. Entire post is polyester powder-coated after fabrication. A cast aluminum cap of matching color is factory riveted into the top end using two aluminum rivets.

Metal Components

Vertical Ring Climber

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 Barrier is a welded assembly and receives a baked-on powder coat finish.

Vertical Ring Climber consists of a 1-5/8" O.D. galvanized steel tubing with reduced end fitting for insertion into Vertical Pole Barrier overhead extension. Rungs are fabricated from a 1-5/16" O.D. 14-gauge. The entire frame receives a baked-on polyester powder-coated finish after fabrication.

Trapeze Rings (4-Span)

Swivel Clamps are fitted with a pressed oil-impregnated bronze bushing and attached using the Shoulder Bolt to a hot-dip galvanized 5/16" steel Pendulum for smooth movement. Trapeze Beams are 2-3/8" O.D. galvanized steel tubing. Trapeze Rings are Cast Aluminum. All parts have a baked on polyester powder-coated finish after fabrication.

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.

Vertical Ladder

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

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.

Turning Bar

Clamps are cast from a 356 high-strength aluminum alloy. 37" 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.

Primary hardware is stainless steel.

Weight: 8 Lbs / 3.6 Kg.

Whistle

The whistle housing shall be an all welded assembly fabricated from aluminum 3 1/2" O.D. x 1/8" thick wall tubing, 1.315 O.D. aluminum pipe, and two 3/16" x 2" x 3 1/8" formed aluminum tabs. The whistle handle shall be fabricated from 1 5/16" O.D. x 14 gauge (.083" thick) galvanized steel tubing with two crimped-in threaded inserts. The internal whistle components consist of four 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene and an injection molded purchased three tone whistle. An aluminum upright cap is permanently installed using aluminum self-sealing rivets. The whistle housing, handle, and upright cap shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

Roto-Molded Components

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.

Double Slides - Roto-Molded

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

Apex Climber - Lateral

ENTRY ARCHWAY W/ SOCKET shall be fabricated of 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical rungs fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. Socket is 1 5/8" O.D. x .083" (14 gauge) wall 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.

ATTACHMENT POLE shall be fabricated from 1 5/8" O.D. x .083" (14 gauge) wall galvanized steel tubing with end swaged to fit Socket of Entry Archway. Tabs are 3/16" thick stainless steel. Attachment pole shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

ATTACHMENT POST shall be fabricated from 2" O.D. x .095" (13 gauge) wall galvanized steel tubing with 2" H.R. galvanized steel pipe cap. Tabs are 3/16" thick stainless steel. Attachment post shall be an all-welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

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

Apex Climber - Standard

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

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

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

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

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 galvanized 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.

Clatter Bridge - 8'

Pipe Rails are 1-5/16" O.D., 14-gauge galvanized steel tubing with L-Fittings welded at the ends. Pipe Rails are coated after fabrication with a baked on polyester powder-coat finish. Clatter Bridge End Brackets are fabricated from 3/16" HR steel. Entire Bracket is Polyester powder-coated. Bridge Planks are formed from 11-gauge steel sheet. Planks are coated with Plastisol, with a thickness of 80 mils minimum. Average perforation size is 1/4" diameter after coating. Proof Coil Chains are 5/16" G-30 ISO galvanized with a maximum loading of 1900 lb. each.

Triangle Transfer Point with Handhold

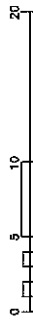
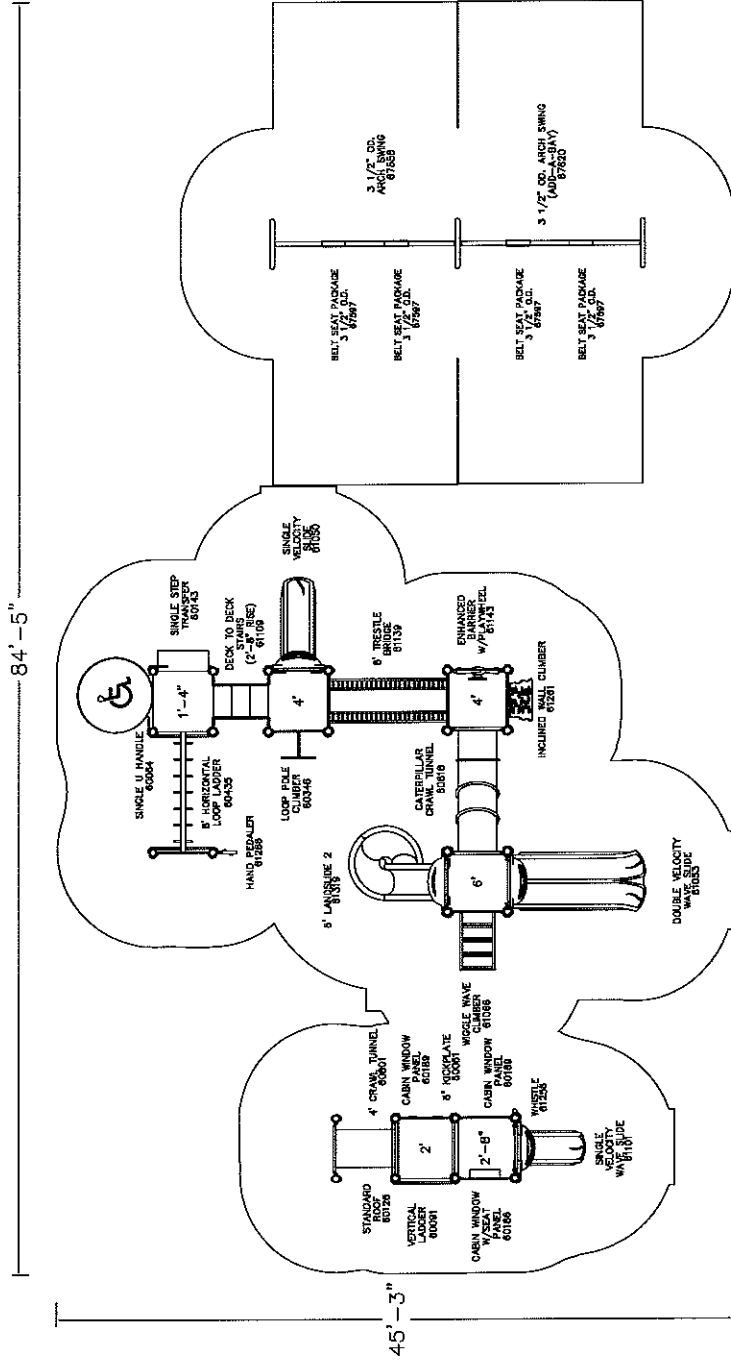
Triangle Transfer with Handhold

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.



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

Total Elevated Play Components	15	0	Required	0
Total Elevated Play Components Accessible By Ramp	10	10	Required	8
Total Accessible Ground Level Components Shown	6	6	Required	5
Total Different Types Of Ground Level Components	3	3	Required	3

Drawn By:
J. Swalcichowski
Date:
10/5/09
Drawing Name:
619-48568

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:
84'-5" x 45'-3"
Scale: 1/8" = 1'
This drawing can be scaled only when in an 11" x 17" format

This play equipment is recommended for children ages 5-12

Cass Scenic Railroad State Park
Area 2 - Whitaker Area
Cass, WV 24927
Representative
Southern Playground

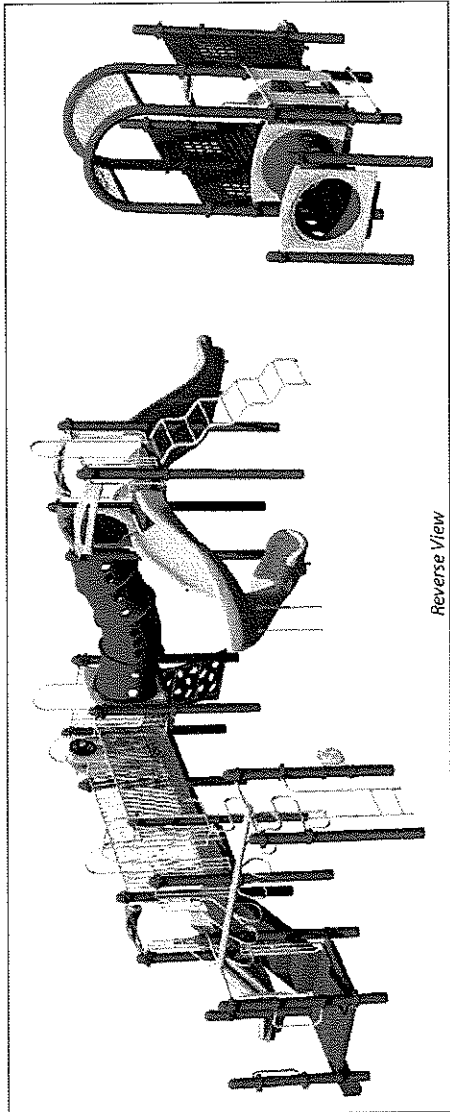
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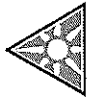
Cass Scenic Railroad State Park

Cass, WV

Area 2 - Whitaker Area

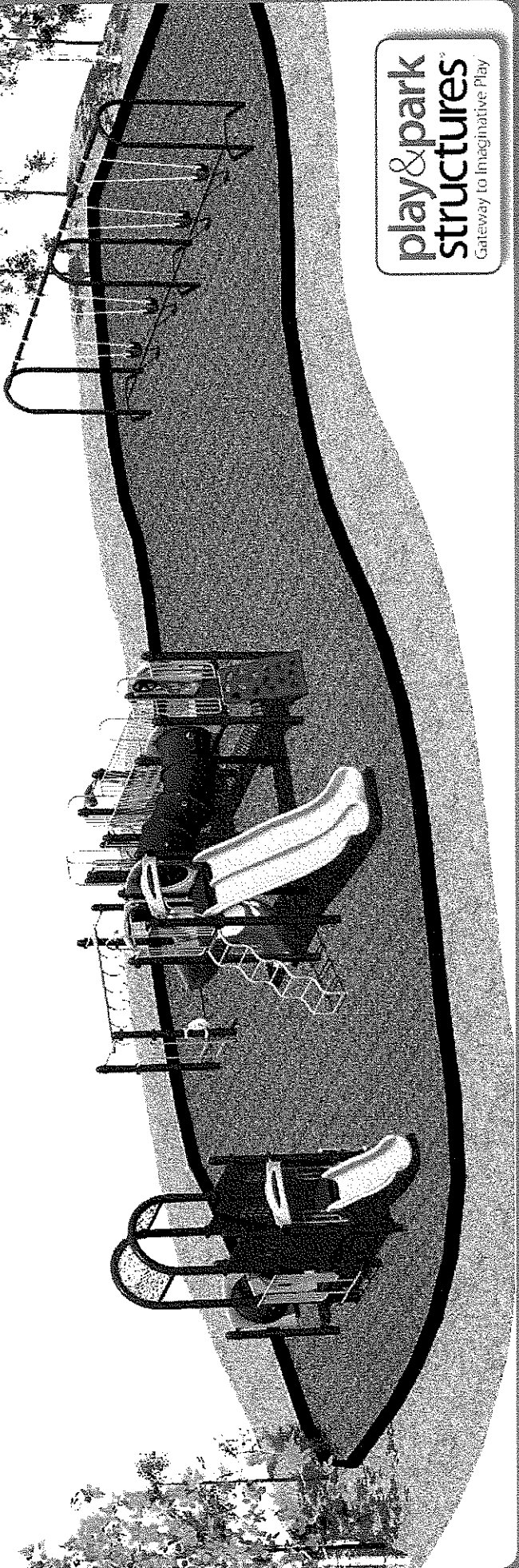


Reverse View



SOUTHERN
PLAYGROUND

P.O. Box 4505
500 Central Drive #109
Virginia Beach, VA 23454
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1-800-257-1314



play&park
structures
Gateway to Imaginative Play

1-800-727-1907

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playandpark.com

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Cass Scenic Railroad State Park
Area 2 – Whittaker Area
Drawing 619-48568

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



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

Polyester Powder-Coating Process

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

Hardware

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

Plastisol Coating

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

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

Uprights, Aluminum

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

HDPE Components

HDPE Panels

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

Cabin Window w/ Seat

Reinforced Angle Brackets are made from 3/16" x 2" flat steel. Panels are cut from a single sheet of high-density, .750" and .350" thick extruded solid polyethylene with color molded in and UV-stabilized.

Inclined Wall Climber

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

Metal Components

Perforated Metal Roof

Arch shall be roll-formed with a 24" radius and of 5" outside diameter, 11 gauge (.120") galvanized round tubing or 5" outside diameter tubing, 1/8" wall thickness, extruded from 6005-T5 aluminum alloy, using the same quality materials as the platform uprights. The roof covering shall be fabricated from 14 gauge perforated galvanized steel. The roof covering shall be bolted to mounting brackets, welded to the arches. All arch roofs shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

Vertical Ladder

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

U-Handles

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

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.

Straight Horizontal Loop Ladders

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

Wiggle Wave

Wiggle Wave Climber is one-piece all welded using 1-7/8" O.D. 13-gauge galvanized steel tubing for the side rails and 1/4" thick yellow zinc-coated steel attachment plate. Rungs are made from 1-5/16" O.D. 14-gauge galvanized steel tubing. The Wiggle Wave climber receives a baked-on powder coat finish. Arch 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 Arch Barrier is a welded assembly and receives a baked-on powder coat finish.

Whistle

The whistle housing shall be an all welded assembly fabricated from aluminum 3 1/2" O.D. x 1/8" thick wall tubing, 1.315 O.D. aluminum pipe, and two 3/16" x 2" x 3 1/8" formed aluminum tabs. The whistle handle shall be fabricated from 1 5/16" O.D. x 14 gauge (.083" thick) galvanized steel tubing with two crimped-in threaded inserts. The internal whistle components consist of four 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene and an injection molded purchased three tone whistle. An aluminum upright cap is permanently installed using aluminum self-sealing rivets. The whistle housing, handle, and upright cap shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

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.

Double Slides - Roto-Molded

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

Avalanche & Landslide Slides

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

Slide Sections, Entrance Section and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with STM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, 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".

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.

Single Step Transfer

Step is fabricated from pre-punched steel sheet 11-gauge. After fabrication, entire Step is Plastisol-coated with a thickness of 50 to 80 mils on top of wear surface. Average perforation size is 5/16" diameter after coating. U-Handle is formed from 1-5/16" O.D. 14-gauge galvanized steel tubing and polyester powder-coated. 24" Support Legs are 1-5/8" O.D. 14-gauge galvanized steel tubing with one end flattened and pre-punched for attachment.

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.