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	PAGE
DNR209112	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER
304-558-2316

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE
SOUTHERN PLAYGROUND
500 CENTRAL DRIVE #109
VIRGINIA BEACH, VA 23459

SHIP TO
DIVISION OF NATURAL RESOURCES
PIPESTEM STATE PARK
ATTN: PARK SUPERINTENDENT
STATE ROUTE 20
PIPESTEM, WV
25979 304-466-2804

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/05/2009				

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

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		47082.70

209 664 5

PLAYGROUND EQUIPMENT (NOT OTHERWISE CLASSIFIED)

THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS FROM RESPONSIBLE VENDORS FOR PLAYGROUND EQUIPMENT FOR PIPESTEM STATE PARK PER THE ATTACHED SPECIFICATIONS.

A MANDATORY PRE-BID MEETING WILL BE HELD MAY 19, 2009 AT 10:00 AM AT THE PARK HEADQUARTERS. FAILURE TO ATTEND THE MANDATORY PRE-BID MEETING WILL RESULT IN BID DISQUALIFICATION. AN INDIVIDUAL MAY NOT REPRESENT MORE THAN ONE VENDOR AT THE PRE-BID MEETING.

ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV DEADLINE FOR TECHNICAL QUESTIONS IS 05/21/09 AT 3:00 PM ALL TECHNICAL QUESTIONS WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE.

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

RECEIVED
2009 JUN 10 P 9:57
PURCHASING DIVISION
STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Scott DuBois	TELEPHONE	DATE
		757 431 0057	6-4-09

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
PRESIDENT	54-0983230	

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

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

Request for Quotation

RFQ NUMBER	PAGE
DNR209112	2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER
304-558-2316

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
DIVISION OF NATURAL RESOURCES
PIPESTEM STATE PARK
ATTN: PARK SUPERINTENDENT
STATE ROUTE 20
PIPESTEM, WV
25979 304-466-2804

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/05/2009				

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

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

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.

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 THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER: 44

RFQ. NO.: DNR209112

BID OPENING DATE: 06/10/2009

BID OPENING TIME: 1:30 PM

PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
Scott DuBois	757 431 0057	6-1-09

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
PRESIDENT	54-0983230	

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

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

Request for Quotation

RFQ NUMBER	PAGE
DNR209112	3

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER
304-558-2316

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
DIVISION OF NATURAL RESOURCES
PIPESTEM STATE PARK
ATTN: PARK SUPERINTENDENT
STATE ROUTE 20
PIPESTEM, WV
25979 304-466-2804

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/05/2009				

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

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

TO CONTACT YOU REGARDING YOUR BID:
PHONE: 757 431 0057 FAX 757 431 0036

CONTACT PERSON (PLEASE PRINT CLEARLY):
Scott DuBois

****** THIS IS THE END OF RFQ DNR209112 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
Scott DuBois	757 431 0057	6-1-09

TITLE	FEIN	
PRESIDENT	54-0903230	ADDRESS CHANGES TO BE NOTED ABOVE

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

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: N/A **Signed:** _____

Date: _____ **Title:** _____

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

RFQ No. _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

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

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

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

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

Vendor's Name: SOUTPEKN PLAYGROUND

Authorized Signature: _____ Date: 6-1-09

WVDNR209112
Pipestem Resort 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 inchor 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	McKeever Lodge Area Playground PrimeTime kid corral play structure, Model #G11823, or equal. Structure must include the following components:	PLAY & PARK STRUCTURES	619-46700
	One (1) PrimeTime 2-5 crunch bar, Item #13540, or equal.	COMPONENT LIST ATTACHED	
	One (1) PrimeTime nature panel, Item #12793, or equal.		
	One (1) PrimeTime transfer point, Item #18255, or equal.		
	One (1) PrimeTime access attachment, Item #18274, or equal.		
	One (1) PrimeTime wallcano vertical wall climber, Item #18274, or equal.		
	One (1) PrimeTime slate roof, Item #18674, or equal.		
	One (1) PrimeTime mini arch bridge, Item #18330, or equal.		
	One (1) PrimeTime clover leaf climber, Item #12883, or equal.		
	One (1) PrimeTime double zip slide, Item #18377, or equal.		

WVDNR209112
Pipestem Resort State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	One (1) PrimeTime ADA gizmo panel, Item #12968, or equal. Panel must include the follwing items: PrimeTime click wheel, Item #4839, or equal; PrimeTime answer wheel, Item #4840, or equal; and PrimeTime maze wheel, Item #4841, or equal.		
	One (1) PrimeTime double steering wheel enclosure, Item #12814, or equal.		
	Two (2) PrimeTime square decks.		
2	Cottage "C" Area Playground PrimeTime timberline play structure, Model #G11812, or equal. Structure must include the following components:	PLAY + PARK STRUCTURES	619-4/6701
	One (1) PrimeTime shingle roof, Item #18673, or equal.	COMPONENT LIST ATTACHED	
	One (1) Primetime crawl tube, Item #12328, or equal.		
	One (1) PrimeTime chain net, Item #12285, or equal.		
	One (1) PrimeTime tree climber, Item #12008, or equal.		
	Two (2) PrimeTime crunch bar, Item #12215, or equal.		
	One (1) PrimeTime transfer point, Item #18254, or equal.		
	One (1) PrimeTime access attachment, Item #18273, or equal.		

WVDNR209112
Pipestem Resort State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	One (1) PrimeTime single seat, Item "12728, or equal.		
	One (1) PrimeTime bubble climber, Item #12916, or equal.		
	Two (2) PrimeTime talk tube, Item#81679, or equal.		
	One (1) PrimeTime rung ladder, Item #12620, or equal.		
	One (1) PrimeTime suspension bridge, Item #18335, or equal.		
	One (1) PrimeTime rumble and roll zip slide, Item #18389, or equal.		
	One (1) PrimeTime 1' barrier, Item #12441, or equal.		
	One (1) PrimeTime handhold transfer, Item #12055, or equal.		
	One (1) PrimeTime decorative panel with steering wheel, Item #18376, or equal.		
	One (1) PrimeTime F5 spiral slide with hood, Item #18341, or equal.		
	One (1) PrimeTime shingle roof, Item #18673, or equal.		
	One (1) PrimeTime wallcano vertical wall climber, Item #18364, or equal.		
	One (1) PrimeTime climbing pole, Item #12630, or equal.		

WVDNR209112
Pipestem Resort State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	Two (2) Primetime square decks, Item #18250, or equal.		
	One (1) PrimeTime square deck, Item #18250, or equal.		
	Two (2) PrimeTime triangle deck, Item #18203, or equal.		
3	Campground Area Playground PowerScape carousel play structure, Model #85113, or equal. Structure must include the following components:	PLAY & PARK STRUCTURES	619-46702
	One (1) PowerScape zip slide, Item #81337, or equal.	COMPONENT LIST ATTACHED	
	One (1) PowerScape wave climber, Item #80340, or equal.		
	Two (2) PowerScape talk tub, Item #81675, or equal.		
	One (1) PowerScape chinning bar (one level), Item #81656, or equal.		
	One (1) PowerScape overhead tree climber, Item 81529, or equal.		
	One (1) PowerScape crunch bar, Item #81670, or equal.		
	One (1) PowerScape overhead ladder access package, Item #80653, or equal.		
	One (1) PowerScape transfer point, Item #80653, or equal.		
	One (1) PowerScape access attachment, Item #80656, or equal.		

WVDNR209112
Pipestem Resort State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	One (1) PowerScape clover climber, Item #80303, or equal.		
	One (1) PowerScape stepped platform, Item #81202, or equal.		
	One (1) PowerScape wave zip slide, Item #81339, or equal.		
	One (1) PowerScape zipper climber.		
	Two (2) PowerScape triangle decks or equal.		
	Two (2) PowerScape triangle decks or equal.		
	Two (2) PowerScape triangle decks or equal.		
4	Mountain Creek Lodge Playground PrimeTime mix it up play structure, Model #G11813, or equal. Structure must include the following components:	PLAY & PARK STRUCTURES	619-46703
	One (1) PrimeTime driver's enclosure panel, Item #18391, or equal.	COMPONENT LIST ATTACHED	
	One (1) PrimeTime toad stool climber, Item #12239, or equal.		
	One (1) PrimeTime triangle transfer platform, Item #18337, or equal.		
	One (1) PrimeTime square stepped deck.		
	One (1) PrimeTime gizmo single panel, Item #12964, or equal. Panel must include a click wheel gizmo, Item #4839, or equal.		

WVDNR209112
Pipestem Resort State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
	One (1) PrimeTime nature panel, Item #12429, or equal.		
	One (1) PrimeTime rumble and roll zip slide, Item #18389, or equal.		
	One (1) PrimeTime stepped platform, Item #18259, or equal.		
	One (1) PrimeTime giant wave climber, Item #18383, or equal.		
	One (1) PrimeTime slate roof, Item #18672, or equal.		
	One (1) PrimeTime F5 spiral slide with hood, Item #18316, or equal.		
	One (1) PrimeTime rock wall climber, Item #12922, or equal.		
	One (1) PrimeTime rectangle deck.		
	One (1) PrimeTime square deck or equal.		
5	Items For All Four Playgrounds geotextile 2,250 sq. ft. roll or equal.		
6	Items For All Four Playgrounds engineered wood fiber or equal @ 8" compacted depth.	ZAEGER BROS.	

PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	McKeever Lodge Area Playground PrimeTime kid corral play structure, Model #G11823, or equal.	80666.20	80666.20
2	1	Cottage "C" Area Playground PrimeTime timberline play structure, Model #G11812, or equal.	14952.00	14952.00
3	1	Campground Area Playground PowerScape carousel play structure, Model #85113, or equal.	9267.50	9267.50
4	1	Mountain Creek Lodge Playground PrimeTime mix it up play structure, Model #G11813, or equal.	10997.00	10997.00
5	2 Rolls	Items For All Four Playgrounds geotextile 2,250 sq. ft. roll or equal.		600.00
6	4,183 Sq. Ft.	Items For All Four Playgrounds engineered wood fiber or equal @ 8" compacted depth.		3200.00
		TOTALS		117082.70

McKeever Lodge Area Playground

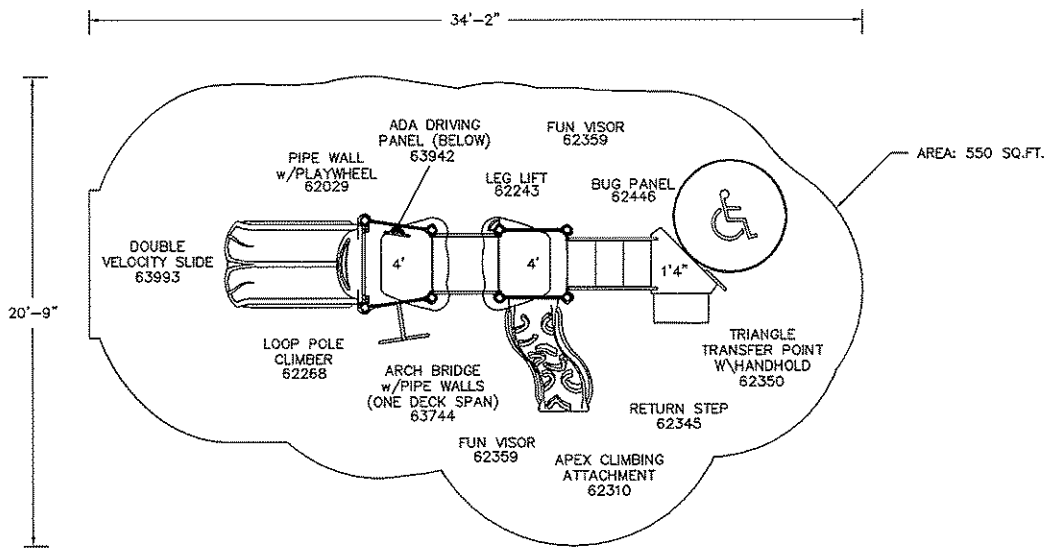
SOUTHERN PLAYGROUND

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

1-800-257-1314
info@southernplayground.com

Reverse View

play&park structures
Gateway to Imaginative Play



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	6		
Total Elevated Play Components Accessible By Ramp	0	Required	0
Total Elevated Components Accessible By Transfer	6	Required	3
Total Accessible Ground Level Components Shown	2	Required	2
Total Different Types Of Ground Level Components	2	Required	2

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

McKeever Lodge Area Playground

Pipestem, WV 25979

Representative
Southern Playground

This play equipment is recommended for children ages
5-12

Minimum Area Required:
20'-9" x 34'-2"

Scale: 3/16" = 1'-0"

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:
Rob Smith

Date:
05/29/09

Drawing Name:
619-46700

play&park structures
Gateway to Imaginative Play

Southe
P.O. Bo
Virgini
Contact
Phone:
Fax: 75
Email: k

McKeever Lodge Area Playground

Pipestem Resort State Park
Attn:
State Route 20
Pipestem, WV 25979
Phone: 304-466-1800

Q

Stock ID	Description	Quantity
60919	ZIG ZAG ADAPTER	3
62007	10' UPRIGHT(ALUM)W/CAP-3.5"OD	4
62010	36" X 36"DECK	1
62020	14' UPRIGHT(ALUM)W/CAP-3.5"OD	4
62029	PIPE WALL W/PLAY WHEEL	1
62243	LEG LIFT	1
62268	LOOP POLE 4'-0"	1
62310	APEX CLIMBING ATTACHMENT	1
62334	CONVERSION SQUARE DECK	1
62345	RETURN STEP	1
62350	TRI TRANSFER W/HAND 4'-0"	1
62359	FUNVISOR-DURAMAX	2
62446	BUG PANEL	1
63744	ARCH BDG W/PIPE WALL-36"	1
63942	ADA DRIVING PANEL-DURAMAX	1
63993	4' DOUBLE VELOCITY SLIDE	1

play&park structures
Gateway to Imaginative Play

McKeever Lodge Area Playground
619-46700

5/29/2009

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 installa-tion 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" (¼"). 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.

HDPE Components

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^3 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.

Metal Components

Pipe Wall w/ Playwheel
Pipe Wall is an all stainless steel welded assembly using 1-5/16" x 14-gauge galvanize tubing. Eight vertical 1-5/16" O.D. tubes are welded to two 1- 5/16" O.D. horizontal tubes and the entire assembly is polyester powder-coat finished. Pipe Wall is designed to provide a 38" high barrier above the deck surface. The steering wheel(s) 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(s) mounting bracket is formed of 3/16" thick steel and has a powder coat finish. Primary hardware is stainless steel.

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.

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.

Roto-Molded Components

Double Slides - Roto-Molded
Slide foot buck is fabricated from 2 3/8" O.D. galvanized steel tubing and 12 gauge stainless steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 1 1/4" O.D. galvanized end cap. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with ASTM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, 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.

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, Grade2, 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

FunVisor
Roof shall be a single piece rotationally molded from an extremely durable low-density polyethylene with ultraviolet (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 3/16" 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.

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

Triangle Transfer 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" (11gauge) 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.

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.

Metal Components

Steel Panels
The steel panel shall be fabricated from 12 gauge (.109) hot rolled steel. The enclosure panel frame shall be fabricated from 1-5/16" x 14 gauge (.083") wall. The L-fitting shall be fabricated from 3/16" x 1-1/2" flat stainless steel. The bottom tab shall be fabricated from 1/8" x 2" flat stainless steel. The enclosure panels shall be an all welded assembly powder coated after fabrication with a custom formula of TGIC polyester in conformance with the specifications outlined herein.

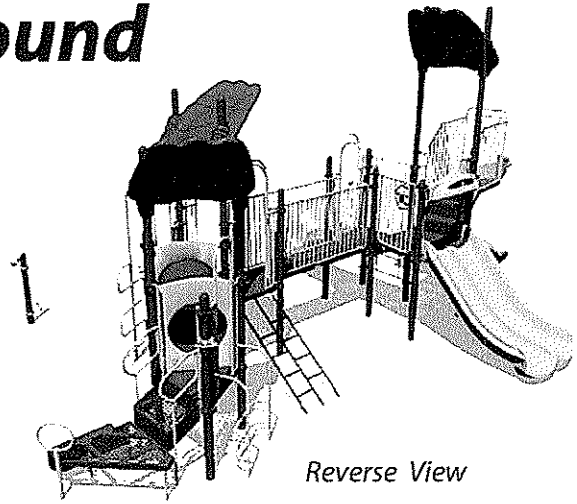
Campground Area Playground

"Cottage C"

SOUTHERN PLAYGROUND

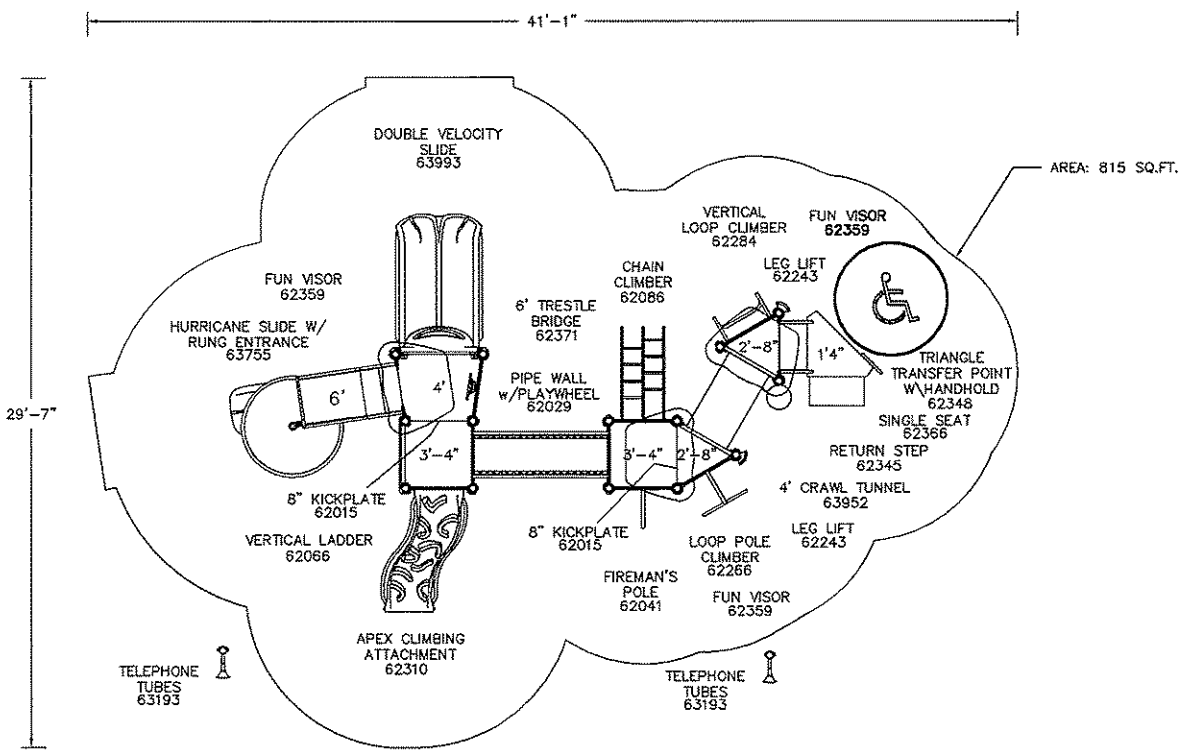
P.O. Box 4505
500 Central Drive #109
Virginia Beach, VA 23454
1-757-431-0057

1-800-257-1314
info@southernplayground.com



Reverse View

play&park structures
Gateway to Imaginative Play



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

Total Elevated Play Components	11		
Total Elevated Play Components Accessible By Ramp	0	Required	0
Total Elevated Components Accessible By Transfer	10	Required	6
Total Accessible Ground Level Components Shown	4	Required	4
Total Different Types Of Ground Level Components	3	Required	3

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

Cottage "C" Area Playground

Pipestem, WV 25979

Representative
Southern Playground

This play equipment is recommended for children ages
5-12

Minimum Area Required:
29'-7" x 41'-1"

Scale: 3/16" = 1'-0"

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:
Rob Smith

Date:
05/28/09

Drawing Name:
619-46701

play&park structures
Gateway to Imaginative Play

Southern Play
P.O. Box 4505
VirginiaBeach,
Contact: Kelly F
Phone: 757-43
Fax: 757-431-0
Email: krobinso

Cottage "C" Area Playground

Pipestem Resort State Park
Attn:
State Route 20
Pipestem, WV 25979
Phone: 304-466-1800

Quote Nu
Quote

Stock ID	Description	Quantity
60919	ZIG ZAG ADAPTER	5
62007	10' UPRIGHT(ALUM)W/CAP-3.5"OD	6
62010	36" X 36"DECK	2
62013	6' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62015	8" SMALL KICKPLATE	2
62016	TRIANGLE DECK	2
62020	14' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62022	9' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62029	PIPE WALL W/PLAY WHEEL	1
62041	FIREMAN'S POLE 2'8"-4'DECK	1
62066	VERTICAL LADDER-3'4" & 4' DECK	1
62086	CHAIN CLIMBER	1
62243	LEG LIFT	2
62266	LOOP POLE 2'-8"	1
62284	VERTICAL LOOP CLIMBER 2'-8"	1
62299	13' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62303	15' UPRIGHT(ALUM)W/O CAP-3.5"OD	2
62310	APEX CLIMBING ATTACHMENT	1
62334	CONVERSION SQUARE DECK	1
62345	RETURN STEP	1
62348	TRI TRANSFER W/HAND 2'-8"	1
62359	FUNVISOR-DURAMAX	3
62361	2' ROOF EXTENSION W/CAP-3.5"OD	2
62366	SINGLE SEAT	1
62371	TRESTLE BRIDGE 6'-0"	1
63193	TELEPHONE TUBE-GROUND	2
63755	HURRICANE SLIDE 4'	1
63952	4' STRAIGHT CRAWL TUNNEL-24"OD	1
63993	4' DOUBLE VELOCITY SLIDE	1

play&park structures
Gateway to Imaginative Play

Cottage "C" Area Playground
619-46701

5/29/2009

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 installa-tion 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" (¼"). 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.

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.

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

HDPE Components

HDPE Panels
Panels shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft^3 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.

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.

Pipe Wall w/ Playwheel
Pipe Wall is an all stainless steel welded assembly using 1-5/16" x 14-gauge galvanize tubing. Eight vertical 1-5/16" O.D. tubes are welded to two 1- 5/16" O.D. horizontal tubes and the entire assembly is polyester powder-coat finished. Pipe Wall is designed to provide a 38" high barrier above the deck surface. The steering wheel(s) 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(s) mounting bracket is formed of 3/16" thick steel and has a powder coat finish. Primary hardware is stainless steel.

Standard Chain Climber
Chain Climber Upper Bracket with loops is fabricated from 1/4" thick steel plate with loops bent from 3/8" O.D stainless steel rod and welded to plate. Entire plate is polyester powder-coated.

Chain Climber Lower Pipe with loops is fabricated from 1-5-16" O.D. galvanized steel tubing with loops bent from 3/8" stainless steel rod and welded to tubing. Entire plate is polyester powder-coated.

Chain Climber is factory-assembled using 1" O.D. x 11-gauge galvanized steel tubes as rungs mechanically fastened to 1/4" Grade-30 ISO Proof Coil Galvanized Chain. Heavy-duty 3/8" x 3" plated "S" hooks are crimped at the end of the chain, and the entire assembly is PVC-coated. No welds are used in this assembly.

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

Loop 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.

Vertical Loop Climber
Vertical Loop Climber Frame is fabricated using 1-5/8" O.D. 14-gauge galvanized steel tubing for the side rails and 1" O.D. 14-gauge galvanized steel tube for the loops. All welded parts are coated after fabrication with a baked on polyester powder-coat finish. Panel is cut from a solid sheet of high-density .850" thick extruded polyethylene with color molded in and UV-stabilized.

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 ½" Dia. cast aluminum seat mounted to a 1.66" OD x .083" (14 gauge) pipe (seat arm) via ½" 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.

Roto-Molded Components

Double Slides - Roto-Molded
Slide foot buck is fabricated from 2 3/8" O.D. galvanized steel tubing and 12 gauge stainless steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 1 1/4"

O.D. galvanized end cap. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with ASTM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, 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.

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.

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, Grade2, 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

FunVisor
Roof shall be a single piece rotationally molded from an extremely durable low-density polyethylene with ultraviolet (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 3/16" wall thickness.

Hurricane Slide with Rung Entrance
SPECIFICATIONS:

EXTENSION PLATFORM: All welded assembly made from 11 GA. H.R. steel sheet, with a plastisol coating. (see general specs for plastisol coating information)

METAL SLIDE ENCLOSURE: 1.315" O.D. galvanized pipe formed rails with 1.029" O.D. rungs and 11 Ga. H.R. flat steel mounting plates, all in a welded, powder coated assembly.

PIPE ENCLOSURE: 1.315" O.D. galvanized pipe top rails with 1.029" O.D. rungs and 1/8" thick stainless steel mounting plates, in an all welded powder
coated assembly.

PIPE ENCLOSURE SUPPORT ASS'Y: 1.315" O.D. pipe, with a 3/16" stainless
steel tab, in an all welded powder coated assembly.

HANDHOLD ASS'Y: 1.029" O.D. Ga. Formed Handhold, with a 1/8" thk. stainless steel mounting tab, and a 3/16" stainless steel "L" fitting in an all welded
powder coated assembly.

FILLER PLATE: 11 Ga. H.R. steel, with a powder coat finish.

FOOTBUCK ASS'Y: 1.315" O.D. pipe, with a 12 Ga. Plate in an all welded
Powder coated assembly.

GROUND SOCKET: 3" Sch. 40 Galv. Pipe, with a powdercoat finish.

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.

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" (11gauge) 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.

Campground Area Playground

SOUTHERN PLAYGROUND

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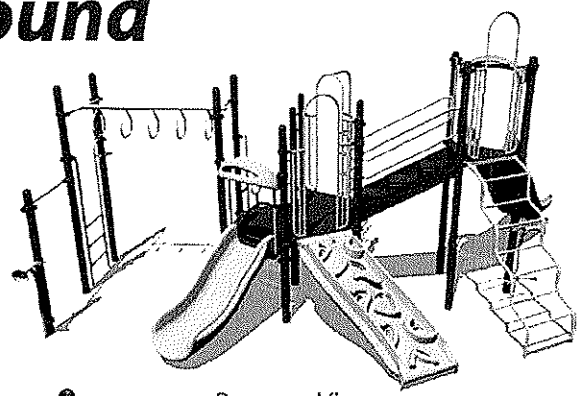

Reverse View

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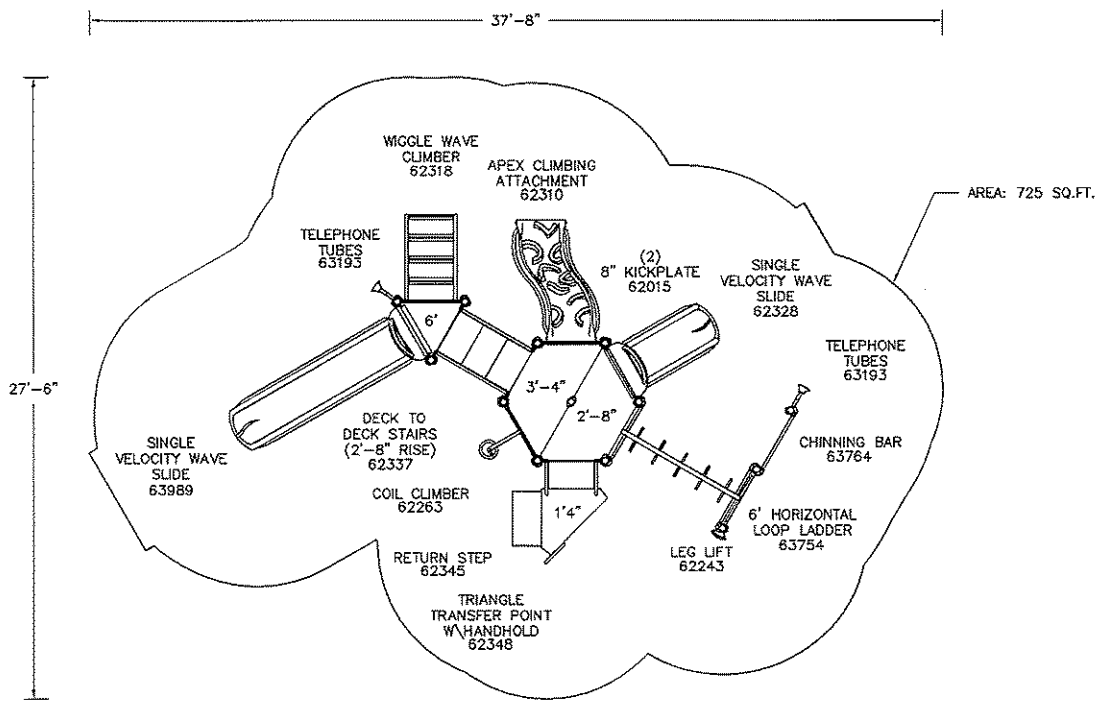
Gateway to Imaginative Play

DuraMax Play Systems



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	6		
Total Elevated Play Components Accessible By Ramp	0	Required	0
Total Elevated Components Accessible By Transfer	6	Required	3
Total Accessible Ground Level Components Shown	3	Required	2
Total Different Types Of Ground Level Components	3	Required	2

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Campground Area Playground

Pipestem, WV 25979

Representative
Southern Playground

This play equipment is recommended for children ages
5-12

Minimum Area Required:
27'-6" x 37'-8"

Scale: 3/16" = 1'-0"

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:
Rob Smith

Date:
05/29/09

Drawing Name:
619-46702

play&park structures
Gateway to Imaginative Play

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VirginiaBeach,
Contact: Kelly K
Phone: 757-43
Fax: 757-431-0
Email: krobinso

Campground Area Playground

Pipestem Resort State Park
Attn:
State Route 20
Pipestem, WV 25979
Phone: 304-466-1800

Quote Nu
Quote

Stock ID	Description	Quantity
60919	ZIG ZAG ADAPTER	3
62007	10' UPRIGHT(ALUM)W/CAP-3.5"OD	5
62008	12' UPRIGHT(ALUM)W/CAP-3.5"OD	3
62015	8" SMALL KICKPLATE	2
62016	TRIANGLE DECK	1
62021	8' UPRIGHT(ALUM)W/CAP-3.5"OD	1
62056	SEMI-HEX DECK	2
62243	LEG LIFT	1
62263	COIL CLIMBER 3'4" DECK	1
62298	11' UPRIGHT(ALUM)W/CAP-3.5"OD	4
62310	APEX CLIMBING ATTACHMENT	1
62318	WIGGLE WAVE CLIMBER 6'	1
62328	2'8" SINGLE VELOCITY WAVE SLIDE	1
62337	DECK TO DECK STAIRS 2'-8"	1
62345	RETURN STEP	1
62348	TRI TRANSFER W/HAND 2'-8"	1
63193	TELEPHONE TUBE-GROUND	2
63754	HORIZ LOOP LADDER ATTACH 2'8"	1
63764	Chinning Bar Attachment	1
63989	6' SINGLE VELOCITY WAVE SLIDE	1

play&park structures
Gateway to Imaginative Play

Campground Area Playground
619-46702

5/29/2009

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 installa-tion 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" (¼"). 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.

Entry Archway

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

Metal Components

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.

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.

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

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.

Chinning 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.

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, Grade2< 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.

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, Grade2, 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 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" (11gauge) 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.

Mountain Creek Lodge Playground

SOUTHERN PLAYGROUND

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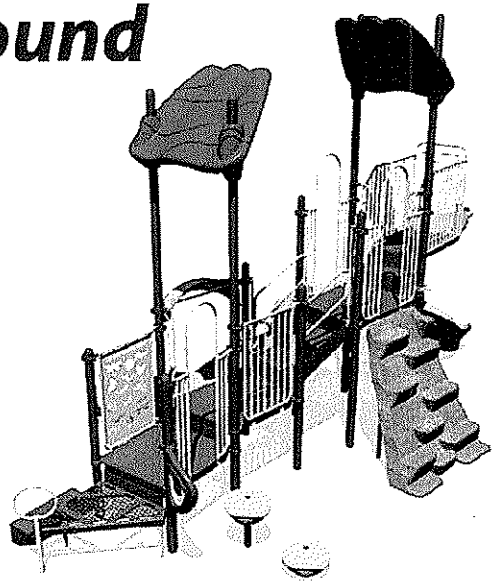

Reverse View

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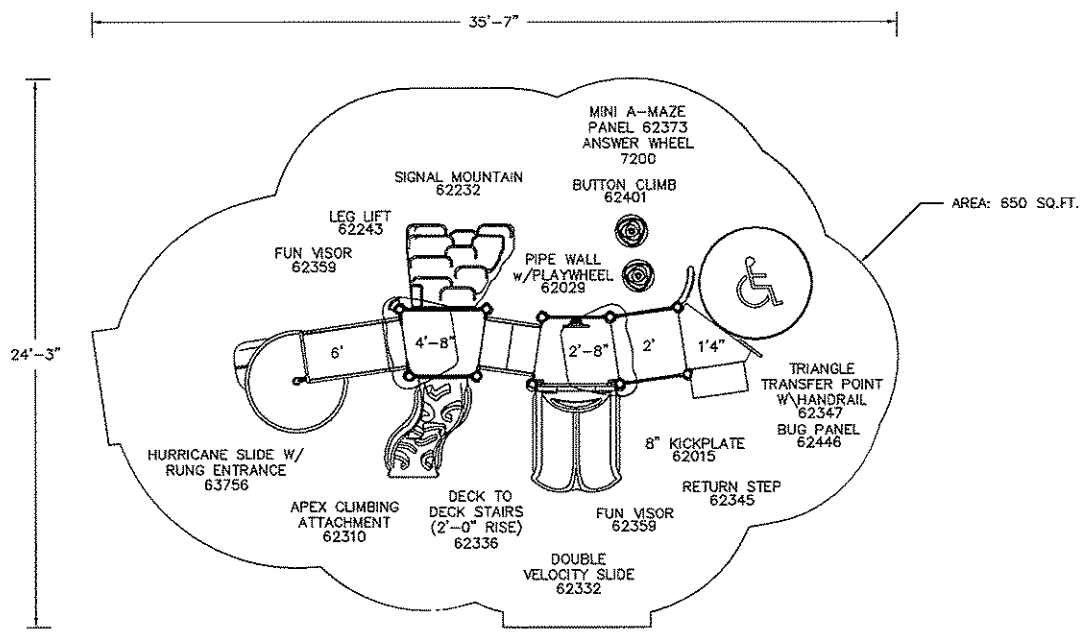

It is the manufacturer's opinion that the structure shown herein complies with current ada standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment

Total Elevated Play Components	7		
Total Elevated Play Components Accessible By Ramp	0	Required	0
Total Elevated Components Accessible By Transfer	6	Required	4
Total Accessible Ground Level Components Shown	2	Required	2
Total Different Types Of Ground Level Components	2	Required	2

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Chattanooga, TN 37402
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www.playandpark.com

Mountain Creek Lodge Playground

Pipestem, WV 25979

Representative
Southern Playground

This play equipment is recommended for children ages
5-12

Minimum Area Required:
24'-3" x 35'-7"

Scale: 3/16" = 1'-0"

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:
Rob Smith

Date:
05/29/09

Drawing Name:
619-46703

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Mountain Creek Lodge Playground

Pipestem Resort State Park
Attn:
State Route 20
Pipestem, WV 25979
Phone: 304-466-1800

Quote N
Quo

Stock ID	Description	Quantity
7200	ANSWER WHEEL ASSEMBLY	1
60919	ZIG ZAG ADAPTER	4
62010	36" X 36"DECK	1
62015	8" SMALL KICKPLATE	1
62021	8' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62022	9' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62029	PIPE WALL W/PLAY WHEEL	1
62232	SIGNAL MOUNTAIN	1
62243	LEG LIFT	1
62298	11' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62300	15' UPRIGHT(ALUM)W/CAP-3.5"OD	2
62303	15' UPRIGHT(ALUM)W/O CAP-3.5"OD	2
62310	APEX CLIMBING ATTACHMENT	1
62332	2'8" DOUBLE VELOCITY SLIDE	1
62334	CONVERSION SQUARE DECK	2
62336	DECK TO DECK STAIRS 2'-0"	1
62345	RETURN STEP	1
62347	TRI TRANSFER W/HAND 2'	1
62359	FUNVISOR-DURAMAX	2
62373	MINI AMAZE PANEL	1
62401	BUTTON CLIMB-2'	1
62446	BUG PANEL	1
63756	HURRICANE SLIDE 4'8"	1
62361	2' ROOF EXTENSION W/CAP-3.5"OD	2

play&park structures®
Gateway to Imaginative Play

Mountain Creek Lodge Playground
619-46703

5/29/2009

Park Play Specifications

General System Specifications:

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

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

Manufacturer shall be ISO 9001/2000 certified

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

Other

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

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 installa-tion 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" (¼"). 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.

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.

Entry Archway

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

Thermoformed Plastics

All polyethylene shall be an ultra high molecular weight material. All thermoformed molded products shall meet or exceed the following specifications: ASTM D-1248, Type III, Class A, Category 5 and ASTM D-4976 PE235; Density (ASTM D-1505); Melt Flow (ASTM D-1238); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); ESCR Value (ASTM D-1693); Vicat

Temperature (ASTM D-1525); Brittleness Temperature (ASTM D-746). Complies with FDA Regulation 21 CFR 177.1520. Complies with FMVSS #302 @ >.060".

Metal Components

Pipe Wall w/ Playwheel
Pipe Wall is an all stainless steel welded assembly using 1-5/16" x 14-gauge galvanize tubing. Eight vertical 1-5/16" O.D. tubes are welded to two 1- 5/16" O.D. horizontal tubes and the entire assembly is polyester powder-coat finished. Pipe Wall is designed to provide a 38" high barrier above the deck surface. The steering wheel(s) 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(s) mounting bracket is formed of 3/16" thick steel and has a powder coat finish. Primary hardware is stainless steel.

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.

Roto-Molded Components

Double Slides - Roto-Molded
Slide foot buck is fabricated from 2 3/8" O.D. galvanized steel tubing and 12 gauge stainless steel plate. Cross Bar is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing. Barrier assembly is fabricated from 1 5/16" O.D. 14-gauge galvanized tubing and 1 1/4" O.D. galvanized end cap. Collar Plate is fabricated from 1/8" sheet steel and 2 1/8" O.D. steel collar. All metal parts shall be coated with a custom formula TGIC polyester powder coating. Slide sections and Visor Hood shall be rotationally molded from an extremely durable double-walled low density polyethylene with (UV) light stabilizers and color molded in. This material complies with ASTM-D-1248, Type 2, Class A, and Federal specification LP-390C, Type 1, Class M, 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.

Signal Mountain
Signal Mountain is Thermal formed ergonomically design with real rock color and texture. Climbing Barrier is made from 1-5/16" O.D. galvanized tubing with 3/16" "L" brackets and receives a baked-on polyester powder-coated finish after fabrication. Upper Brackets and U-Supports are formed from 1-5/16" O.D. tubing.

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, Grade2, 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

FunVisor
Roof shall be a single piece rotationally molded from an extremely durable low-density polyethylene with ultraviolet (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 3/16" wall thickness.

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

Hurricane Slide with Rung Entrance
SPECIFICATIONS:

EXTENSION PLATFORM: All welded assembly made from 11 GA. H.R. steel sheet, with a plastisol coating. (see general specs for plastisol coating information)

METAL SLIDE ENCLOSURE: 1.315" O.D. galvanized pipe formed rails with 1.029" O.D. rungs and 11 Ga. H.R. flat steel mounting plates, all in a welded, powder coated assembly.

PIPE ENCLOSURE: 1.315" O.D. galvanized pipe top rails with 1.029" O.D. rungs and 1/8" thick stainless steel mounting plates, in an all welded powder
coated assembly.

PIPE ENCLOSURE SUPPORT ASS'Y: 1.315" O.D. pipe, with a 3/16" stainless
steel tab, in an all welded powder coated assembly.

HANDHOLD ASS'Y: 1.029" O.D. Ga. Formed Handhold, with a 1/8" thk. stainless steel mounting tab, and a 3/16" stainless steel "L" fitting in an all welded
powder coated assembly.

FILLER PLATE: 11 Ga. H.R. steel, with a powder coat finish.

FOOTBUCK ASS'Y: 1.315" O.D. pipe, with a 12 Ga. Plate in an all welded
Powder coated assembly.

GROUND SOCKET: 3" Sch. 40 Galv. Pipe, with a powdercoat finish.

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.

Button Climb
Button Climb: Shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).
Mounting Post: Shall be an all welded assembly fabricated of 2.375" O.D. galvanized steel tubing (.095" wall thickness) and a formed 12 gauge (.109") hot rolled flat steel plate. This assembly shall have a powder coat finish.
PLUG: Shall be fabricated of black butyl rubber with a durometer of 60.

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" (11gauge) 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.

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.

Metal Components

Steel Panels
The steel panel shall be fabricated from 12 gauge (.109) hot rolled steel. The enclosure panel frame shall be fabricated from 1-5/16" x 14 gauge (.083") wall. The L-fitting shall be fabricated from 3/16" x 1-1/2" flat stainless steel. The bottom tab shall be fabricated from 1/8" x 2" flat stainless steel. The enclosure panels shall be an all welded assembly powder coated after fabrication with a custom formula of TGIC polyester in conformance with the specifications outlined herein.