



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: DNR209073

PAGE: 1

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

PLAYGROUND SPECIALISTS, INC.
 17352 N. SETON AVE.
 EMMITSBURG, MD 21727

SHIP TO

DIVISION OF NATURAL RESOURCES
 TOMLINSON RUN STATE PARK
 ATTN: PARK SUPERINTENDENT
 POST OFFICE BOX 97
 NEW MANCHESTER, WV
 26056 564-3651

DATE PRINTED 12/30/2008	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **01/29/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
1001	1	LS		650-38	<i>SEE ATTACHED</i>	
<p>PLAYGROUND EQUIPMENT (NOT OTHERWISE CLASSIFIED)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS FOR NEW PLAYGROUND EQUIPMENT FOR TOMLINSON RUN STATE PARK PER THE ATTACHED SPECIFICATION SPECIFICATIONS.</p> <p>OWNER WILL CONDUCT A SITE WALK THROUGH ON 01/20/09 AT 1:00 PM.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p style="text-align: center;">NOTICE</p>						

RECEIVED
 2009 JAN 21 P 12:21
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>[Signature]</i>	TELEPHONE <i>301/271-9234</i>	DATE <i>1/19/09</i>	
TITLE <i>SALKS MGR</i>	FEIN <i>52-2132887</i>	ADDRESS CHANGES TO BE NOTED ABOVE	

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

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

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

INSTRUCTIONS TO BIDDERS

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



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

Request for Quotation

RFQ NUMBER
DNR209073

PAGE
2

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

PLAYGROUND SPECIALISTS, INC.
17352 N. SETON AVE.
EMMITSBURG, MD 21727

SHIP TO

DIVISION OF NATURAL RESOURCES
 TOMLINSON RUN STATE PARK
 ATTN: PARK SUPERINTENDENT
 POST OFFICE BOX 97
 NEW MANCHESTER, WV
 26056 564-3651

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/30/2008				

BID OPENING DATE: **01/29/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 44</p> <p>RFQ. NO.: DNR209073</p> <p>BID OPENING DATE: 01/29/09</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 301-271-9239</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): STEVEN SLIFER</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>SK Self</i>	TELEPHONE 301/271-9234	DATE 1/19/09	
TITLE SALES MGR.	FEIN 52-2132887	ADDRESS CHANGES TO BE NOTED ABOVE	

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12/30/2008				

BID OPENING DATE: **01/29/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ DNR209073 ***** TOTAL:						<u>742933.00</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE ST Self TELEPHONE 301/271-9234 DATE 1/19/09

TITLE SALES MGR FEIN 52-2132887 ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA
PURCHASING CONTINUATION SHEET

Buyer:	Page	Req. or PO No. 4
		DNR209073
Spending Unit: Tomlinson Run State Park		

Vendor: **PLAYGROUND SPECIALISTS, INC.**
17352 N. SETON AVE.
EMMITSBURG, MD 21727

Item No.	Quantity	Description	Unit Price	Amount
<u>PLAYGROUND EQUIPMENT SPECIFICATIONS</u>				
To supply playground equipment to offer play activities for children age 5 to 12. at Tomlinson Run State Park, New Manchester, West Virginia. There will be a total of three separate areas for which playground equipment is to be supplied: Group Camp Area playground, Shelter 2 area playground, and Shelter 3 area playground. Park personnel will install all playground equipment and engineered wood fiber. The award may be split if it is in the best interest of the West Virginia Division of Natural Resources.				
<u>GROUP CAMP AREA PLAYGROUND</u>				
1	1	GameTime Primetime play unit, Model #RDU, or equal. Play unit to include the following components: Uprights a minimum of 3 1/2" diameter OD galvanized metal. Four (4) decks One (1) 360 degree one piece spiral slide. Slide must be a minimum of 6' in height. One (1) double slide. Slide must be a minimum of 5' in height. One (1) curved slide. Slide must be a minimum of 3' in height. One (1) overhead climber. One (1) ADA transition step. Step must be a minimum of 1'. One (1) ADA transition step. Step must be a minimum of 2'. One (1) long bridge. Bridge must be a minimum of 8' in length. Two (2) angled climbers. Three (3) vertical climbers. Four (4) ground level ADA events. Color scheme must be green plastic, brown uprights, beige metal, and brown decks;		\$20,550 ⁰⁰
2	34	GameTime 8" high PlayCurb, Model #4850, or equal. PlayCurb must include galvanized stakes and color must be black.	31 ⁰⁰	1054 ⁰⁰
3	1	GameTime 8" high accessible PlayCurb, Model #4854, or equal. Accessible PlayCurb must adapt to an 8" high PlayCurb and color must be black.	50 ⁰⁰	575 ⁰⁰
4	1 Roll	GameTime Geotextile 2,250 Sq Ft, Item #161290, or equal.		1125 ⁰⁰
5	1,361 Sq. Ft.	Game Time Engineered Wood Fiber, Item #EWF, or equal @ 8" compacted depth. F.O.B. Destination. Freight or delivery charges are to be included in the price of the goods. Delivery must be made within ninety (90) days of purchase order award. Park personnel will install all playground equipment and engineered wood fiber.	454 ⁰⁵	1485 ⁰⁰
<u>SHELTER 2 PLAY AREA</u>				
6	1	GameTime PrimeTime swing, Model #12583, or equal. Swing must be a minimum of 8' in height. Uprights and top rail must be a minimum of 3 1/2" diameter galvanized steel; must accommodate a minimum of 2 swing packages; and color must be green.		895 ⁰⁰
7	1	GameTime PrimeTime Add-a-bay, Model #12584, or equal. Add-a-bay shall be a minimum of 8' in height; uprights and top rail must be a minimum of 3 1/2" diameter galvanized steel; must accommodate a minimum of 2 swing packages; and color must be green.		585 ⁰⁰
8	2	GameTime enclosed tot swing package, Model #1470, or equal. Seat packages must be with standard S-Hook enclosures; must include all galvanized chain and hardware for minimum of 8' high swing and a 3 1/2" diameter top rail; and color must be black.	127 ⁰⁰	254 ⁰⁰

Buyer:	Page	Req. or PO No. 5
		DNR209073
Spending Unit: Tomlinson Run State Park		

Vendor: **PLAYGROUND SPECIALISTS, INC.**
17352 N. SETON AVE.
EMMITSBURG, MD 21727

Item No.	Quantity	Description	Unit Price	Amount
9	2	GameTime belt seat packages, Model #1483, or equal. Seat packages must be with standard S-Hook enclosures; must include all galvanized chain and hardware for a minimum of 8' high swing and 3 1/2" diameter top rail; and color must be black.	67 ⁰⁰	134 ⁰⁰
10	1 Roll	GameTime Geotextile 2,250 Sq Ft, Item #161290, or equal.	509	1125 ⁰⁰
11	41	GameTime 8" high PlayCurb, Model #4850, or equal. PlayCurb must include galvanized stakes and color must be black.	31 ⁰⁰	1271 ⁰⁰
12	1	GameTime 8" high accessible PlayCurb, Model #4854, or equal. PlayCurb must adapt to a 8" high PlayCurb and color must be black.		575 ⁰⁰
13	1	Game Time 6' freestanding wave zip slide, Model #18395, or equal. Slide must include a minimum of 3 1/2" diameter galvanized brown uprights; slide color must be green; color of metal rails must be beige; and stairs and deck color must be brown .		2654 ⁰⁰
14	1,900 Sq. Ft.	Game Time Engineered Wood Fiber , Item #EWF, or equal @ 8" compacted depth . F.O.B. Destination. Freight or delivery charges are to be included in the price of the goods. Delivery must be made within ninety (90) days of purchase order award. Park Personnel will install all playground equipment and engineered wood fiber.	63	2079 ⁰⁰
		Shelter 3 Play Area		575 ⁰⁰
15	1	GameTime 8" high accessible PlayCurb , Model #4854, or equal. Accessible PlayCurb must adapt to 8" high PlayCurb and color must be black.		2654 ⁰⁰
16	1	Game Time 6' freestanding wave zip slide, Model #18395, or equal. Slide must include a minimum of 3 1/2" diameter galvanized brown uprights; slide color must be green; color of metal rails must be beige; and stairs and deck color must be brown .		895 ⁰⁰
17	1	PrimeTime swing, Model #12583, or equal. Swing must be a minimum of 8' in height; uprights and top rail must be a minimum of 3 1/2" diameter galvanized steel; must accommodate a minimum of 2 swing packages; and color must be green..		585 ⁰⁰
18	1	PrimeTime add-a-bay, Model #12584, or equal. Add-a-bay must be a minimum of 8' in height; uprights and top rail must be a minimum of 3 1/2" diameter galvanized steel; must accommodate a minimum of 2 swing packages, and color must be green..		127 ⁰⁰
19	2	GameTime enclosed tot swing packages, Model #1470, or equal. Seat packages must be with standard S-Hook enclosures; must include all galvanized chain and hardware for minimum of 8' high swing and approximately a 3 1/2" diameter top rail, and color must be black.	127 ⁰⁰	254 ⁰⁰
20	2	GameTime belt seat packages, Model #1483, or equal. Seat packages must be with standard S-Hook enclosures; must include all galvanized chain and hardware for a minimum of 8' high swing and 3 1/2" diameter top rail; and color must be black.	67 ⁰⁰	134 ⁰⁰
21	41	GameTime 8" PlayCurb, Model #4850, or equal. PlayCurb must include galvanized stakes and the color must be black.	31 ⁰⁰	1271 ⁰⁰
22	1 Roll	Game Time Geotextile , 2,250 Sq. Ft, Item #161290, or equal.	509	1125 ⁰⁰
23	1,900 Sq. Ft.	Game Time Engineered Wood Fiber , Item #EWF, or equal @ 8" compacted depth . F.O.B. Destination. Freight or delivery charges are to be included in the price of the goods. Delivery must be made within ninety (90) days of purchase order award. Park personnel will install all playground equipment and engineered wood fiber.	63	2079 ⁰⁰
Total				

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:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A 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. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: PLAYGROUND SPECIALISTS INC

Authorized Signature:  Date: 1/19/09

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: PLAYGROUND SPECIALISTS INC. Signed: [Signature]
Date: 1/19/09 Title: SALES MGR

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

Tomlinson Run State Park

Design No: P11209-1 - Bill of Materials

Ref. No.	Part Number	Description	Quantity
Posts			
1	ZZCH0007	3.5in OD x 100in STEEL POST W/ RIVETED CAP	1
2	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	6
3	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	4
4	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	4
5	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	4
Decks & Kick Plates			
6	ZZCH0616	SQUARE COATED DECK ASSEMBLY	3
7	ZZCH0636	DOUBLE SLIDE COATED DECK ASSEMBLY	1
ADA Items			
8	ZZCH2008	TRANSFER STATION w/BARRIERS (36in DECK)	1
9	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
10	ZZCH2736	ONE PIECE 360 PLASTIC SPIRAL SLIDE	1
11	ZZCH2737	RUMBLE SEAT (60in DECK)	1
12	ZZCH3129	90 DEGREE GLIDE SLIDE (36in DECK)	1
Activity Panels			
13	ZZCH4290	POST MOUNTED STEERING WHEEL	1
14	ZZCH4387	DRIVER PANEL (GROUND LEVEL)	1
15	ZZCH4646	STORE FRONT PANEL	1
Climbers			
16	ZZCH6977	CLIFF HANGER (60in DECK)	1
17	ZZCH7168	6ft TOWER CLIMBER	1
18	ZZCH7400	DEEP RUNG ARCH CLIMBER (36in DECK)	1
19	ZZCH8130	BEANSTALK CLIMBER (72in DECK)	1
20	ZZCH8270	HOPSCOTCH CLIMBER (60in DECK)	1
Overhead Events			
21	ZZCH5850	90 DEGREE HORIZONTAL LOOP LADDER	1
22	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
Bridges			
23	ZZCH6636	10ft ARCH BRIDGE	1
Audible Activities			
24	ZZCH4467	GROUND TO GROUND BABBLE-ON	1
Stairs and Ladders			
25	ZZCH9170	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
26	ZZCH9177	36in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
Additional Tool & Maintenance Kits			
27	ZZCHGUID	CHALLENGER GUIDELINES	1
28	ZZUN9910	SURFACING WARNING LABEL KIT	1
29	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
30	ZZUN9990	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	1





Product Specifications

©Playworld Systems, Inc. Tuesday, January 13, 2009

3.5in OD x 100in STEEL POST W/ RIVETED CAP

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

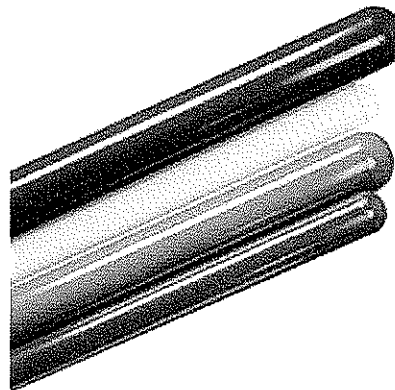
Drive Rivet

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH0007



* See Note

Component Number:	ZZCH0007
Specification Rev:	ECN343
Component Weight:	31.61 Lbs.
Amount of Concrete:	0.125 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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3.5in OD x 124in STEEL POST W/RIVETED CAP

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

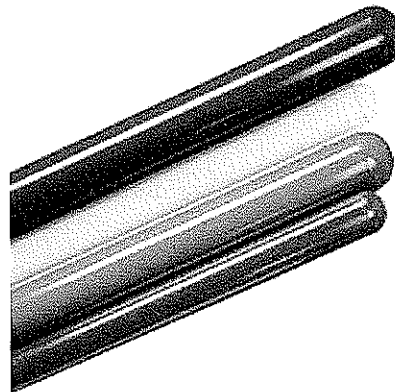
Drive Rivet

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH0018



* See Note

Component Number:	ZZCH0018
Specification Rev:	ECN343
Component Weight:	38.91 Lbs.
Amount of Concrete:	0.125 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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3.5in OD x 136in STEEL POST W/ RIVETED CAP

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

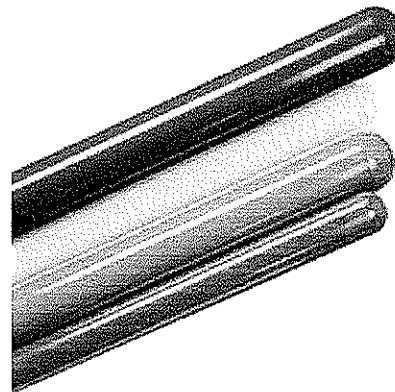
Drive Rivet

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH0028



* See Note

Component Number:	ZZCH0028
Specification Rev:	ECN343
Component Weight:	43.51 Lbs.
Amount of Concrete:	0.125 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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3.5in OD x 148in STEEL POST W/ RIVETED CAP

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

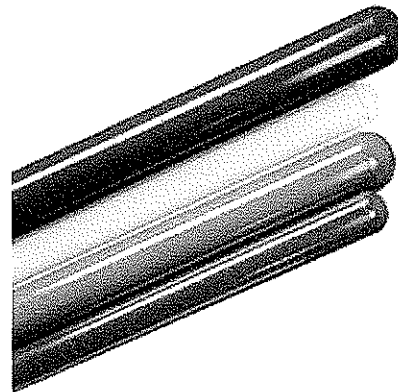
Drive Rivet

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH0038



* See Note

Component Number:	ZZCH0038
Specification Rev:	ECN343
Component Weight:	47.11 Lbs.
Amount of Concrete:	0.125 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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3.5in OD x 160in STEEL POST W/ RIVETED CAP

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

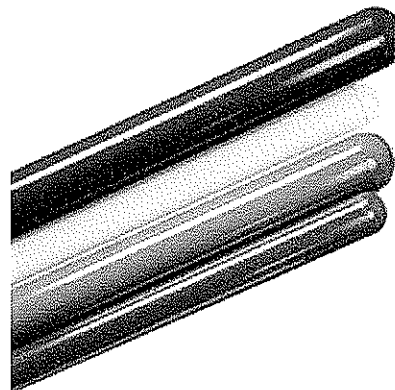
Drive Rivet

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH0048



* See Note

Component Number:	ZZCH0048
Specification Rev:	ECN343
Component Weight:	50.21 Lbs.
Amount of Concrete:	0.125 Yrds.

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Product Specifications

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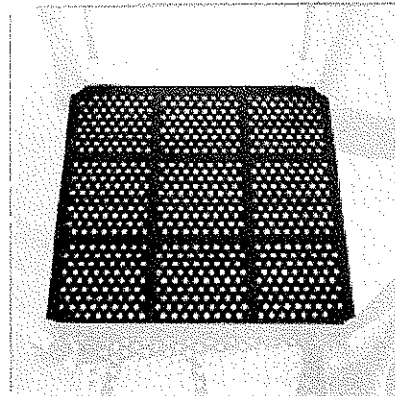
ZZCH0616

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Coated Deck / Platform - 12 ga

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)



* See Note

Component Number:	ZZCH0616
Specification Rev:	PA696
Component Weight:	64.76 Lbs.
Number of Users:	3

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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ZZCH0636

Coated Deck / Platform - 12 ga

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

**photo
not
available**

* See Note

Component Number:	ZZCH0636
Specification Rev:	PA718
Component Weight:	82.66 Lbs.
Number of Users:	3

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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ZZCH2008

Transfer Deck Support Post

Shall be fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; and .188 in. hot rolled flat steel. (See Tubing.) Finished with a baked on polyester powder coating. (See Superdurable Powder Coat Finish)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Barrier CH/EX sm rung

Shall be an all-welded assembly fabricated of .815 in. Outside diameter, 15 gauge galvanized steel tubing; 1.029 in. Outside diameter, 14 gauge galvanized steel tubing and 1.315 in. Outside diameter, 14 gauge galvanized steel tubing. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Grabbit

Shall be an all welded assembly fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and .188 in. zinc plated, hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Coated Transfer Deck - sm holes

Shall be an all welded assembly die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .344 in. diameter perforated holes. Entire deck weldment shall have a protective coating. (See Coated Finish)

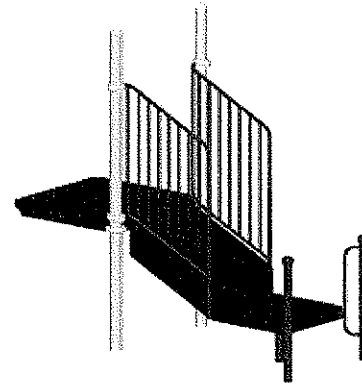
Coated Transfer Stair - sm holes

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled flat steel for the step treads, and 11 gauge hot rolled, pickled and oiled flat steel for the stringers. Step surfaces shall have .34 in. diameter perforated holes. Entire stair weldment shall have a protective coating. (See Coated Finish)

Steel Tubing - .815 in. OD, 15 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.029 in. OD, 14 ga.



* See Note

Component Number:	ZZCH2008
Specification Rev:	PA1012
Component Weight:	201.48 Lbs.
Number of Users:	2
Amount of Concrete:	0.09 Yrds.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 2.375 in. OD, 12 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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APPROACH STEP FOR TRANSFER STATION

Kickplate / Nose Bracket

Shall be fabricated from a single sheet of 14 gauge galvanized sheet steel. Shall have a minimum G60 galvanizing and regular spangle commercial quality. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

2.375 in. Support Post with Plate

Shall be fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; and .125 in. zinc plated, hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

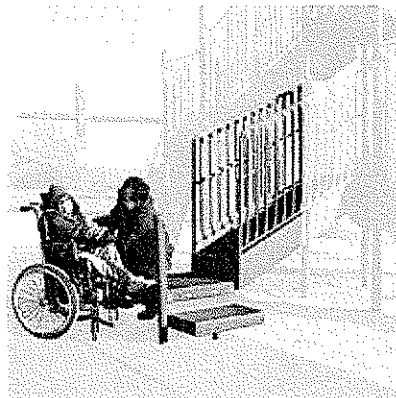
Approach Step

Approach step shall be an all-welded assembly fabricated of 11 gauge and 14 gauge hot rolled, pickled and oiled flat steel. Approach step surface and sides shall be die-formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Approach step surface shall have .344 in. (8 mm) diameter perforated holes. Entire deck weldment shall have a protective coating. (See Coated Finish)

Steel Tubing - 2.375 in. OD, 12 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZUN2019



* See Note

Component Number:	ZZUN2019
Specification Rev:	PA769
Component Weight:	40.43 Lbs.
Number of Users:	1
Amount of Concrete:	0.04 Yrds.

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Product Specifications

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ONE PIECE 360 PLASTIC SPIRAL SLIDE

Connector - reg319 aluminum (23 ksi)

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 23 ksi. Yield strength shall be 13 ksi. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Spiral Slide Barrier (11 GA)

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing, 1.029 in. outside diameter, 14 gauge galvanized steel tubing, 11 gauge yellow zinc plated hot rolled pickled and oiled flat steel. (See Tubing) Vertical tubing shall have coped lower ends. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Slide Gate (13 GA)

Shall be an all welded assembly fabricated of 1.66 outside diameter, 13 gauge galvanized steel tubing, 1.315 in. outside diameter, 14 gauge galvanized steel tubing, and 14 gauge galvanized steel. (See Tubing) Finished with a baked on polyester powder coating (See Superdurable Polyester Powder Coat Finish) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tubing weld connections are not acceptable.

5 in. T Post

Shall be an all welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing and .25 in. hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

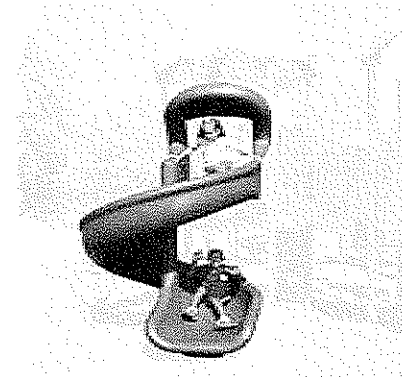
Spiral Slide Exit Support Leg

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing, and 11 gauge zinc plated steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Spiral Slide & Canopy - plastic

Shall be rotationally molded from Exxon CP-812 polyethylene. (See

ZZCH2736



* See Note

Component Number:	ZZCH2736
Specification Rev:	ECN1756
Component Weight:	897.11 Lbs.
Number of Users:	3
Amount of Concrete:	0.2 Yrds.

Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable. Cross-sectional design shall be .25 in. (6 mm) nominal thickness, double wall construction with molded-in longitudinal ribs and textured outside surfaces. Spiral slide shall have a minimum side rail height of 15.5" (394 mm). Shall have a canopy designed to channel the user into a sitting position for slide entry. Entrance platform design that allows full view of users at the slide exit region.

Coated Deck / Platform - 12 ga

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 5 in. OD, 11 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.66 in. OD, 13 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

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Product Specifications

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RUMBLE SEAT (60in DECK)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Rail 14 ga. w/ inserts

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing (See Tubing). Shall have factory installed crimped threaded inserts at each end. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Exit Support Post - 3.5 in.

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing and 11 gauge zinc plated hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish) ASTM Specifications: A-36,

Rotomolded Slide / Canopy

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

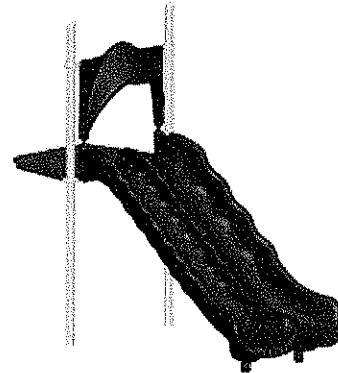
Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH2737



* See Note

Component Number:	ZZCH2737
Specification Rev:	PA0950
Component Weight:	201.86 Lbs.
Number of Users:	4
Amount of Concrete:	0.06 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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90 DEGREE GLIDE SLIDE (36in DECK)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Tie Rod - 14 g. w/ inserts

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing (See Tubing). Shall have factory installed crimped threaded inserts at each end. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Exit Support Post - 3.5 in. w/plate

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing; .25 in. hot rolled flat steel and 11 gauge zinc plated steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Glide Slide Canopy

Shall be rotationally molded from Exxon CP-812 polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable. Shall have molded in threaded inserts, and 1.315 in. outside diameter, 14 gauge galvanized steel tubing color matched to the plastic. Tubing shall be finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Glide Slide

Shall be rotationally molded from Exxon CP-812 polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

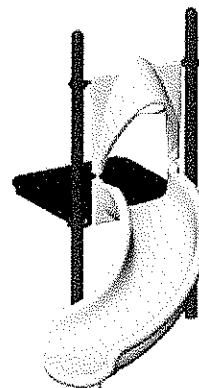
Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH3129



* See Note

Component Number:	ZZCH3129
Specification Rev:	ECN1508
Component Weight:	96.73 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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POST MOUNTED STEERING WHEEL

Steering Wheel w/ bearings

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. ASTM Specifications: B-26. Federal Specifications: QQ-A-601. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) Shall have factory installed oil light bearings pressed into the casting.

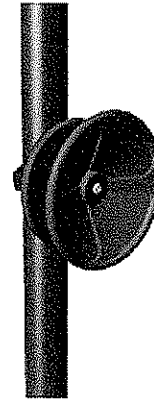
3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Plastic Panel - .75 in.

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

ZZCH4290



* See Note

Component Number:	ZZCH4290
Specification Rev:	ECN1393
Component Weight:	7.83 Lbs.
Number of Users:	1

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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DRIVER PANEL (GROUND LEVEL)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Panel Connector

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Anchor Frame

An all-welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing, and .188 in. hot rolled flat steel plate. (See Tubing) Plate shall be coated with yellow zinc dichromate before assembly. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Label - Race Car

Design shall be printed on 4 mil pressure sensitive white vinyl with fade resistant inks. Shall have a P-12 adhesive backing. Printed design shall be laminated with .5 mil clear mylar.

Plastic Panel - .5 in.

Shall be fabricated of .50 in. (12 mm) high density sheet polyethylene. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact), D-746 (Brittleness), D-1525 (Vicat Softening Point).

Plastic Panel - .75 in.

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

Clear Polycarbonate / Lexan - .188"

Shall be machined from a sheet of .188 in. clear polycarbonate with UV resistant properties. Ultimate tensile strength is 9,900 p.s.i. Yield

ZZCH4387



* See Note

Component Number:	ZZCH4387
Specification Rev:	ECN747
Component Weight:	72.69 Lbs.
Number of Users:	2
Amount of Concrete:	0.06 Yrds.

tensile strength is 9,000 p.s.f.

Panel Shaft Connector

Shall be machined from black Delrin.

Plastic Links - snap

Shall be molded from black HDPE (LP 554-01) with a 2% blowing agent additive.

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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STORE FRONT PANEL

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

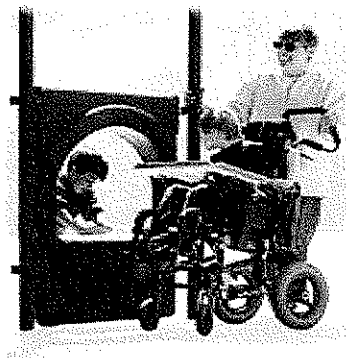
Oval Panel Connector

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Rotomolded Plastic Panel - .25 in.

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

ZZCH4646



* See Note

Component Number:	ZZCH4646
Specification Rev:	PA768
Component Weight:	33.98 Lbs.
Number of Users:	3

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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CLIFF HANGER (60in DECK)

Handhold - Climbing Wall

Hand grips shall be manufactured of polyurethane and are uniquely textured for slip resistance. Hand grips must be also formulated to withstand extreme impacts and be highly resistant to ultraviolet light and chemicals. Hand grip material must be manufactured from materials having a proven record in the climbing industry. Each hand grip shall be recessed into the climbing structure with a shape unique to the individual hand grip. Hand grips not recessed can rotate or turn and are not acceptable. Hand grips shall have a Lifetime Warranty. Anything other than a Lifetime Warranty is not acceptable.

Spring Rider Handle

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

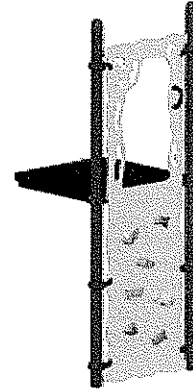
Panel Connector

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Plastic Panel - .75 in.

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

ZZCH6977



* See Note

Component Number:	ZZCH6977
Specification Rev:	ECN1119
Component Weight:	75.98 Lbs.
Number of Users:	1

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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6ft TOWER CLIMBER

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Climber Connector

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Climber - Tower

Shall be an all welded assembly of 1.9 in. outside diameter, 13 gauge steel tubing, 1.315 in. outside diameter, 14 gauge galvanized tubing, 1.029 in. outside diameter, and 11 gauge galvanized steel. (See Tubing) Entire assembly shall be finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Arch Entry Barrier / Pipe Wall Barrier

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing and .188 in. hot rolled, pickled and oiled flat steel. Shall be finished with a baked-on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

Spacer - 13 ga.*

Shall be fabricated of 1.9 in. outside diameter, 13 gauge galvanized steel tubing (See Tubing). ASTM Specifications: A-135, E-8 and A-500. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

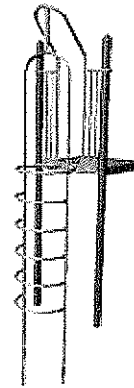
Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 1.9 in. OD, 13 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZCH7168



* See Note

Component Number:	ZZCH7168
Specification Rev:	PA1175
Component Weight:	108.67 Lbs.
Number of Users:	2
Amount of Concrete:	0.9 Yrds.

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Product Specifications

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DEEP RUNG ARCH CLIMBER (36in DECK)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Gate Adaptor Connector

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. Finished with a 420 micro finish and a baked on powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601. Components are powder coated with a polyester powder and cured at temperatures between 375 and 400 F. Epoxy or hybrid paints are not acceptable. ASTM Specifications: B-117 (Salt Spray Resistance Test), D-2794 (Impact Resistance Test), D-1734 (Mandrel Flexibility Test), D-2247 (Humidity Resistance Test), D-822 (Weatherability Test), D-3363 (Pencil Hardness Test), D-3359-B (Crosshatch Adhesion Test), and D-2454 (Overbake Resistance Test).

Deep Rung Arch Climber

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and 1.66 in. outside diameter, 13 gauge galvanized steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Barrier Gate - Round Tube -Upper (7 Gauge Tab)

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing and 7 gauge hot rolled, pickled and oiled flat steel. (See Tubing) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tube weld connections are not acceptable. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 1.66 in. OD, 13 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZCH7400



* See Note

Component Number:	ZZCH7400
Specification Rev:	ECN1542
Component Weight:	76.46 Lbs.
Number of Users:	2
Amount of Concrete:	0.06 Yrds.

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Product Specifications

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BEANSTALK CLIMBER (72in DECK)

Beanstalk Climber

Shall be fabricated of 1.90 in. Outside diameter, 13 gauge galvanized steel tubing and 1.315 in. Outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on powder coating. (See Superdurable Polyester Powder Coat Finish)

Arch Entry Barrier / Barrier Gate w/Coping

Shall be fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and .188 in. galvanized hot rolled flat steel (See Tubing). ASTM Specifications: A-135, E-8 and A-500. Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tubing weld connections are not acceptable.

Climber Connector

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Handle / Step Climber Connector

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

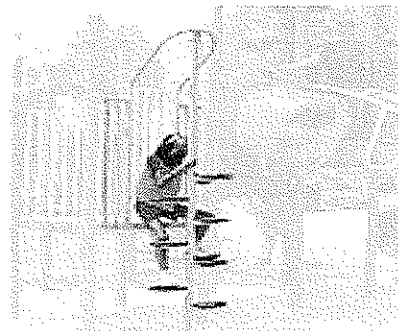
Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZCH8130



* See Note

Component Number:	ZZCH8130
Specification Rev:	ECN1358
Component Weight:	92.45 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yrds.

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Product Specifications

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HOPSCOTCH CLIMBER (60in DECK)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Hopscotch Climber

Shall be fabricated of 1.66 in. outside diameter, 13 gauge galvanized tubing; and 1.315 in. outside diameter, 14 gauge galvanized tubing (See Tubing). Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Barrier Gate - Round Tube -Upper (7 Gauge Tab)

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing and 7 gauge hot rolled, pickled and oiled flat steel. (See Tubing) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tube weld connections are not acceptable. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

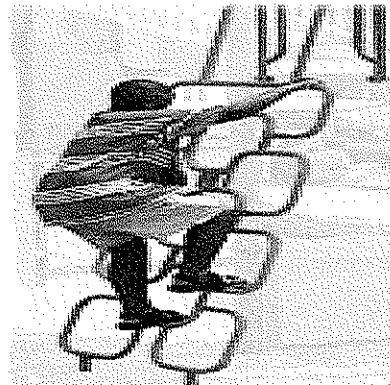
Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 1.66 in. OD, 13 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZCH8270



* See Note

Component Number:	ZZCH8270
Specification Rev:	ECN1498
Component Weight:	77.9 Lbs.
Number of Users:	2
Amount of Concrete:	0.06 Yrds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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90 DEGREE HORIZONTAL LOOP LADDER

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

T Connector Clamp

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Support Rod w/ swaged end

Shall be fabricated of 1.315 in. outside diameter, 12 gauge galvanized steel tubing. Rod ends shall be reduced to 1.029 in. outside diameter with a swaging machine. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Loop Ladder

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

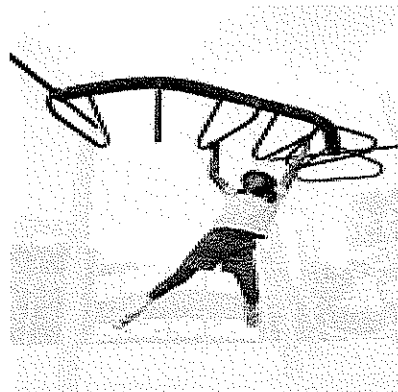
Steel Tubing - 1.315 in. OD, 12 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

ZZCH5850



* See Note

Component Number:	ZZCH5850
Specification Rev:	ECN520
Component Weight:	67.9 Lbs.
Number of Users:	2

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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OVERHEAD EVENT ACCESS LADDER (36in DECK)

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Access Ladder

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and 1.029 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

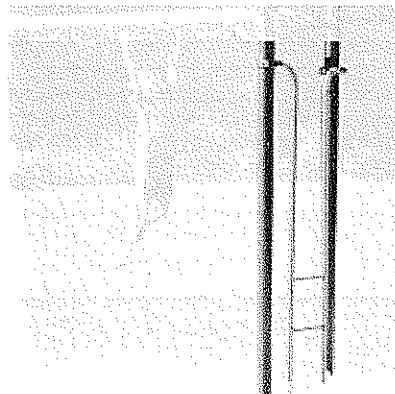
Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZCH5970



* See Note

Component Number:	ZZCH5970
Specification Rev:	ECN605
Component Weight:	25.12 Lbs.
Number of Users:	1
Amount of Concrete:	0.06 Yrds.

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Product Specifications

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3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Barrier - Arch Bridge

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and .815 in. Outside diameter, 15 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Coated Arch Bridge - sm holes

Shall be an all welded assembly die formed from a single sheet of 14 gauge hot rolled, pickled and oiled flat steel. Platform surface shall have .34 in. (9 mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

Steel Tubing - .815 in. OD, 15 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

ZZCH6636



* See Note

Component Number:	ZZCH6636
Specification Rev:	ECN1452
Component Weight:	323.17 Lbs.
Number of Users:	3

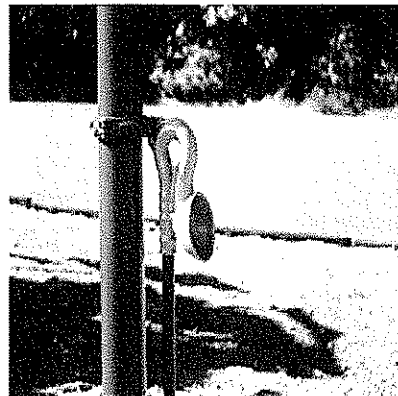
* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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ZZCH4467



* See Note

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Hose Clamp

Fabricated from 18-8 stainless steel. Purchased commercially.

Babble-On Tube (no pvc)

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing, and 7 gauge hot rolled pickled and oiled flat steel. (See Tubing) Shall be finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Babble-On Horn with Screen

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

1.63 in. Polyethylene Tubing

Shall be fabricated of low density polyethylene.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Anchor Stake (fab metal)

Shall be fabricated of 3/8 in. low carbon steel, with 8 gauge wire and yellow zinc plated finish.

Component Number:	ZZCH4467
Specification Rev:	ECN1815
Component Weight:	Lbs.
Number of Users:	2

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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ZZCH9170

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Barrier CH/EX Protective -sm rung

Shall be an all-welded assembly fabricated of .815 in. outside diameter, 15 gauge galvanized steel tubing; and 1.029 in. outside diameter, 14 gauge galvanized steel tubing. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Coated Perf. Stair / Accessible Stair

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled, and oiled flat steel and 11 gauge hot rolled, pickled and oiled flat steel. Stair surface shall have .34 in. (9 mm) perforated holes. Entire stair assembly shall have a protective coating. (See Coated Finish)

Angle Clip / Plank

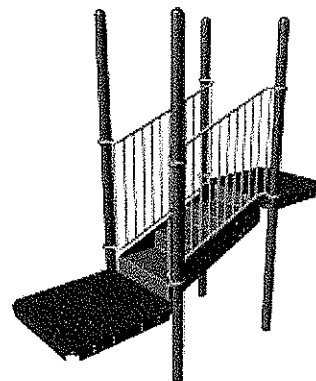
Shall be fabricated of 12 gauge hot rolled, pickled, and oiled flat steel. Angle clip / plank shall have a protective coating. (See Coated Finish)

Steel Tubing - .815 in. OD, 15 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.



* See Note

Component Number:	ZZCH9170
Specification Rev:	ECN1573
Component Weight:	199.6 Lbs.
Number of Users:	1

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Product Specifications

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ZZCH9177

3.5 in. Die Cast Alloy Clamp

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

Barrier CH/EX Protective -sm rung

Shall be an all-welded assembly fabricated of .815 in. outside diameter, 15 gauge galvanized steel tubing; and 1.029 in. outside diameter, 14 gauge galvanized steel tubing. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Coated Perf. Stair / Accessible Stair

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled, and oiled flat steel and 11 gauge hot rolled, pickled and oiled flat steel. Stair surface shall have .34 in. (9 mm) perforated holes. Entire stair assembly shall have a protective coating. (See Coated Finish)

Angle Clip / Plank

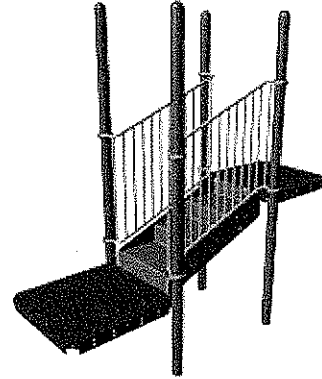
Shall be fabricated of 12 gauge hot rolled, pickled, and oiled flat steel. Angle clip / plank shall have a protective coating. (See Coated Finish)

Steel Tubing - .815 in. OD, 15 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.



* See Note

Component Number:	ZZCH9177
Specification Rev:	ECN1573
Component Weight:	306 Lbs.
Number of Users:	2

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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3-1/2in OD 2-UNIT STEEL ARCH SWING W-8ft TOP RAIL ZZXX0288

Swing Clevis - cast iron/ plated

Shall be manufactured of superior grade cast ductile iron and zinc plated for optimal surface protection. Shall have an integrated bronze bearing pressed in after powdercoating. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

3.5 in. Swing Hanger / Band - cast iron

Shall be manufactured of superior grade cast ductile iron and galvanized. The swing hanger and band together shall have an ultimate tensile load of 5000 lbs. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

3.5 in. Swing Arch Top Rail

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Post Arch - steel (11 ga / 4in od)

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 11 gauge galvanized steel tubing (arch), 4 in. outside diameter, 8 gauge galvanized steel tubing (sleeve), and 1008 cold rolled steel (See Tubing) Finished with powder coating. (See Polyester Powder Coat Finish)

Steel Tubing - 3.5 in. OD, 11ga.

Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 4 in. OD, 8 ga

Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.

photo
not
available

* See Note

Component Number:	ZZXX0288
Specification Rev:	ECN1620
Component Weight:	294.45 LBS.
Number of Users:	2
Amount of Concrete:	0.52 Yds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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3-1/2in OD STEEL ARCH SWING 2-UNIT ADD-A-BAY

ZZXX0375

Swing Clevis - cast iron/ plated

Shall be manufactured of superior grade cast ductile iron and zinc plated for optimal surface protection. Shall have an integrated bronze bearing pressed in after powdercoating. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

3.5 in. Swing Hanger / Band - cast iron

Shall be manufactured of superior grade cast ductile iron and galvanized. The swing hanger and band together shall have an ultimate tensile load of 5000 lbs. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

3.5 in. Swing Arch Top Rail

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Post Arch - steel (11 ga / 4in od)

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 11 gauge galvanized steel tubing (arch), 4 in. outside diameter, 8 gauge galvanized steel tubing (sleeve), and 1006 cold rolled steel. (See Tubing) Finished with powder coating. (See Polyester Powder Coat Finish)

Steel Tubing - 3.5 in. OD, 11ga.

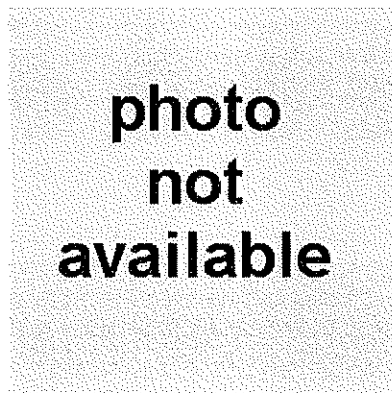
Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 4 in. OD, 8 ga.

Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.



* See Note

Component Number:	ZZXX0375
Specification Rev:	ECN1620
Component weight:	17.7 lbs.
Number of Users:	2
Amount of Concrete:	0.52 Yds.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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BELT SEAT W/GALV CHAIN FOR 8ft TOP RAIL

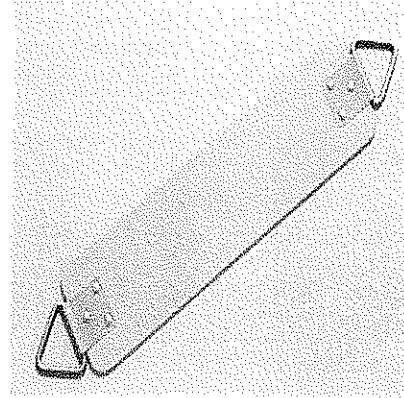
Chain - 4/0 - galvanized

Shall be 4/0 hot dipped galvanized welded link chain. The chain links are low carbon 1008 steel. The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

Swing Seat - belt

Shall be fabricated from .5 in. (13 mm) thick ethylene propylene diene monomer with a T-301 full hard .020 in. (.51 mm) carbon steel insert. A triangular galvanized steel bracket and plate shall be secured to seat with galvanized rivets for chain attachments. Seat shall be slash-proof.

ZZXX0260



* See Note

Component Number:	ZZXX0260
Specification Rev:	ECN1836
Component Weight:	8.57 Lbs.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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INFANT SEAT W/GALV CHAIN FOR 8ft TOP RAIL

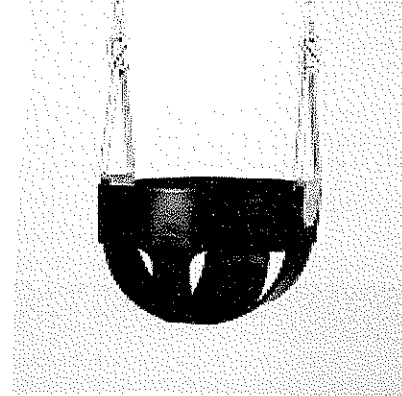
Chain - 4/0 - galvanized

Shall be 4/0 hot dipped galvanized welded link chain. The chain links are low carbon 1008 steel. The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

Swing Seat - infant

Shall be fabricated from .5 in. (13 mm) thick ethylene propylene diene monomer with a T-301 full hard .020 in. (.51 mm) carbon steel insert. A triangular galvanized steel bracket and plate shall be secured to seat with galvanized rivets for chain attachments. Seat shall be slash-proof.

ZZXX0265



* See Note

Component Number:	ZZXX0265
Specification Rev:	ECN1836
Component Weight:	11.31 Lbs.

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



Product Specifications

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ZZCH2697

Slide Guardrail - freestanding

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing and 1.029 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Connector / Adapter - 535 Almag

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Barrier Gate - Round Tube -Upper (7 Gauge Tab)

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing and 7 gauge hot rolled, pickled and oiled flat steel. (See Tubing) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tube weld connections are not acceptable. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Tie Rod - 14 g. w/ inserts

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing (See Tubing). Shall have factory installed crimped threaded inserts at each end. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Gasket

Shall be mounted between slide and deck. Shall be made from .375 in. thick neoprene. Shall have an approximate density of 11-13 p.c.f. Shall have a minimum tensile strength of 70 p.s.i. Shall have a maximum water absorption of 5% by weight.

Exit Support Post - 3.5 in.

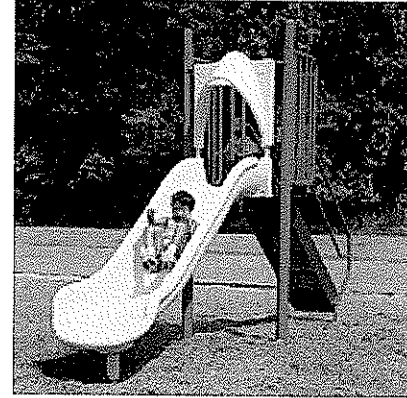
Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing and 11 gauge zinc plated hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish) ASTM Specifications: A-36,

Stair / Ladder Handrail

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing and 1.315 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Shall be finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Stair / Ladder Footing Leg

Shall be fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing.) Finished with a polyester powder coating.



* See Note

Component Number:	ZZCH2697
Specification Rev:	ECN1508
Component Weight:	476.04 Lbs.
Number of Users:	5
Amount of Concrete:	0.33 Yrds.

(See SuperDurable Polyester Powder Coat Finish).

Spacer / Connector - 319 aluminum*

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

Glide Slide

Shall be rotationally molded from Exxon CP-812 polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

Glide Slide Canopy

Shall be rotationally molded from Exxon CP-812 polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable. Shall have molded in threaded inserts, and 1.315 in. outside diameter, 14 gauge galvanized steel tubing color matched to the plastic. Tubing shall be finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Coated Perf. Ladder - sm holes

Shall be an all welded assembly fabricated of 11 gauge hot rolled, pickled and oiled flat steel and 14 gauge hot rolled, pickled, and oiled flat steel. Ladder treads and risers shall be die-formed from a single sheet of 14 gauge hot rolled, pickled, and oiled flat steel. Ladder shall be reinforced with stringers fabricated of 11 gauge hot rolled, pickled, and oiled flat steel. Ladder treads shall have .34 in. (9mm) perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

Coated Deck / Platform - 12 ga

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

3.5 in. Support Post with End Cap

Shall be fabricated of 3.5 in. Outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Shall have a factory installed 319 type aluminum alloy end cap secured with drive rivets. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

Steel Tubing - 1.315 in. OD, 14 ga.

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

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