

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

### Request for Quotation

DNR209199

PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

KRISTA FERRELL 804-558-2596

\*709054414 304 263 7857 TAYLOR SPORTS & RECREATION PO BOX 1706

MARTINSBURG WV 25402

DIVISION OF NATURAL RESOURCES
BABCOCK STATE PARK
ATTN: PARK SUPERINTENDENT

HC 35, BOX 150 CLIFFTOP, WV

25831

438-5662

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

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

### INSTRUCTIONS TO BIDDERS

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



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

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\*709054414 304 263 7857 TAYLOR SPORTS & RECREATION PO BOX 1706

MARTINSBURG WV

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

438-5662

ADDRESS CHANGES TO BE NOTED ABOVE

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHT TERMS ODAU NET Minade DESTINATION 07/30/2009 BID OPENING DATE 09/01 OPENING TIME 01:30PM CAT. LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE THE PURCHASING DIVISION AND THE STATE AGENCY SHEET. WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. INADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER. ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET. TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS I\$ 08/14/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED. QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT A BID TO THE STATE OF WEST VIRGINIA ARE NOT considered to be technical questions and may be SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING AND IN ANY FORMAT. EXHIBIT 10 REQUISITION NO.: D.N.R. 2.09/99 SEE REVERSE SIDE FOR TERMS AND CONDITIONS 304-744-



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PO BOX 1706

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

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# WVDNR209199 Babcock State Park PLAYGROUND EQUIPMENT SHEET

Please complete the below information concerning the brand(s) of equipment being bid in relation to this project. If bidding "or equal" brands, please attach manufacturer's literature documenting that it meets the mandatory requirements stated in the specifications. Vendors should note the areas of the provided manufacturer's literature that adheres to the mandatory requirements outlined in the Request For Quotation.

Item No.	Equipment	Manufacturer	ltem
1	Campground Area Playground PowerScape meadow place play structure, Item #G85172, or equal.	MIRACLE RECREATION	MIRACLE CUSTOM MEMOOW PLACE
2	Campground Area Playground Primetime swing frame, Item #12583, or equal.	MIRACLE	#7188524
3	Campground Area Playground Primetime swing add-a-bay, Item #12584, or equal.	MIRACLE	INCLUDED IN ITEM 2
4	Campground Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	Miracle	#2990
5	Campground Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	Miracle	# 2840
6	Campground Area Playground geo-textile fabric or equal.	MIRACLE	
7	Campground Area Playground engineered wood fiber @ 8" compacted depth or equal.	Mirade	9
8	Campground Area Playground one (1) day of supervision by successful vendor.	MIRACLE	SUPERVISOR
9	Manns Creek Picnic Area Playground PlayworldSystems challengers play structure, Item #350-0704, or equal.	MIRACLE	MIRACLE CUSTOM MANNS CREEK
10	Manns Creek Picnic Area Playground PrimeTime swing frame, Item #12583, or equal.	Minacle	#7188524

### WVDNR209199 Babcock State Park

### PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Item
11	Manns Creek Picnic Area Playground PrimeTime swing add- a-bay, Item #12584, or equal.	MIRACLE	INCLUDED IN ITEM # 10
12	Manns Creek Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item # 8910, or equal.	MIRACLE	#2840
13	Manns Creek Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	MIRACLE	#2990
14	Manns Creek Picnic Area Playground geo-textile fabric or equal.		
15	Manns Creek Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.		
16	Manns Creek Picnic Area Playground one (1) day of supervision by successful vendor.		SUPERVISOR
17	Sugar Camp Run Picnic Area Playground PowerScape meadow place play structure , Item #g85172, or equal.		MIRACLE CUSTOM SUGAR CAMP
18	Sugar Camp Run Picnic Area Playground Primetime swing frame, Item #21583, or equal.	Minacle	7188524
19	Sugar Camp Run Picnic Area Playground Primetime swing add- a-bay, Item #21584, or equal.	Minnele	INCLUDED IN ABOVE MEM
20	Sugar Camp Run Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	Mirade	#2990

# WVDNR209199 Babcock State Park PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Item
21	Sugar Camp Run Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	Miracle	#2840
22	Sugar Camp Run Picnic Area Playground geo-textile fabric or equal.		
23	Sugar Camp Run Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.		
24	Sugar Camp Run Picnic Area Playground one (1) day of supervision by successful vendor.	MIRALLE	SUPERVISOR

# WVDNR209199 Babcock State Park Playground Equipment PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Campground Area Playground PowerScape meadow place play structure, Item #G85172, or equal.	\$21,427	\$21,427
2	1	Campground Area Playground Primetime swing frame, Item #12583, or equal.	#1,049	\$1,049
3	1	Campground Area Playground Primetime swing add-a-bay, Item #12584, or equal.	#	INCLUDED IN #2
4	1	Campground Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	\$ 87	<b>#</b> 87
5	3	Campground Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	\$ 57	# 171
6	3,432 square feet	Campground Area Playground geo-textile fabric square foot roll or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price.	
7	3,432 square feet	Campground Area Playground engineered wood fiber @ 8" compacted depth or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price.	
8	1	Campground Area Playground one (1) day of supervision by successful vendor.	\$500	#500.
9	1	Manns Creek Picnic Area Playground PlayworldSystems challengers play structure, Item #350-0704, or equal.	#15,858	#15,858

# WVDNR209199 Babcock State Park Playground Equipment PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
10	1	Manns Creek Picnic Area Playground PrimeTime swing frame, Item #12583, or equal.	#1049	#1049
11	1	Manns Creek Picnic Area Playground PrimeTime swing add-a-bay, Item #12584, or equal.		INCLUDED IN INEM 10
12	3	Manns Creek Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item # 8910, or equal.	#57	#171
13	1	Manns Creek Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	#87	#87
14	3,192 square feet	Manns Creek Picnic Area Playground geo-textile fabric or equal.	PLEASE NOTE: Bidders must include a unit price. This item cannot be bid Lump Sum. 1 square foot x price = per unit price.	
15	3,192 square feet	Manns Creek Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price.	
16	1	Manns Creek Picnic Area Playground one (1) day of supervision by successful vendor.	\$500	\$500
17	1	Sugar Camp Run Picnic Area Playground PowerScape meadow place play structure , Item #g85172, or equal.	#21,427	#21,427
18	1	Sugar Camp Run Picnic Area Playground Primetime swing frame, Item #21583, or equal.	81,049	\$1,049

# WVDNR209199 Babcock State Park Playground Equipment PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
19	1	Sugar Camp Run Picnic Area Playground Primetime swing add-a-bay, Item #21584, or equal.		INCLUDED IN ITEM #18
20	1	Sugar Camp Run Picnic Area Playground PrimeTime 3½" enclosed tot swing with galvanized chain, Item #8696, or equal.	#87	#87
21	3	Sugar Camp Run Picnic Area Playground PrimeTime 3½" belt seat with galvanized chain, Item #8910, or equal.	#57	#17/
22	2,592 square feet	Sugar Camp Run Picnic Area Playground geo-textile fabric or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price.	
23	2,592 square feet	Sugar Camp Run Picnic Area Playground engineered wood fiber @ 8" compacted depth or equal.	PLEASE NOTE: Bidders must include a unit price. This Item cannot be bid Lump Sum. 1 square foot x price = per unit price.	
24	1	Sugar Camp Run Picnic Area Playground one (1) day of supervision by successful vendor.	#500	#500
		TOTALS		\$64,133

Date:

### 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; <b>or</b> ,
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.
require against	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ments for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.
authoriz	mission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and test the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid uired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information by the Tax Commissioner to be confidential.
and ac	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate es during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Signed:

Title:

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

### STATE OF WEST VIRGINIA Purchasing Division

### **PURCHASING AFFIDAVIT**

### **VENDOR OWING A DEBT TO THE STATE:**

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

### PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

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

### ANTITRUST:

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

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

### LICENSING:

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

### **CONFIDENTIALITY:**

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

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

Vendor's Name:	con Sports	THEZ		
Authorized Signature:	Thomas	C. Jula	_Date: <u>8-3/-</u>	09

Purchasing Affidavit (Revised 01/01/09)

IRACLE RECREATION EQUIPMENT DMPANY
) BOX 420 • 878 E HIGHWAY 60
ONETT, MISSOURI 65708 USA
)LL FREE: 1-800-523-4202
10NE: 417-235-6917 • FAX: 417-235-6816

ORLD WIDE WEB: http://www.miracle-

creation.com



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GOALS
BLEACHERS & PLAYER BENCHES
WATER SLIDES & POOL SLIDES

A Division P

PLAYPOWER, INC.

March 19, 2009

In regards to: CPSIA 2008

TO WV PURCHASING, DNR 209199 Dear: MS. FERRELL

On August 14, 2008 President Bush signed into law the Consumer Product Safety Improvement Act (CPSIA 2008). This law was enacted, in part, to reduce or eliminate concentrations of lead, certain heavy metals and certain phthalates from "Children's Products". The Consumer Products Safety Commission (CPSC) classifies commercial playground equipment as "Children's Products" for the purposes of the CPSIA 2008.

Miracle Recreation is happy to confirm that our products comply with all applicable requirements of the CPSIA 2008.

If you are considering the purchase of commercial playground equipment, I strongly urge you to require all prospective manufacturers to provide the following information, before making a purchase:

- 1- Written confirmation that their products meet the requirements of CPSIA 2008
- 2- Physical copies of Certificates of Compliance for each of its products and components as required by the CPSIA 2008. (see attached example).

The CPSIA 2008 requires all manufacturers, importers, and distributors of commercial playground equipment to comply with the law. Please note that playground equipment purchased from non-compliant companies may violate the law, may be subject to recall, and may be dangerous to the health of children. You should only work with CPSIA 2008 compliant companies to avoid these risks.

For more specific information on the CPSIA 2008, I direct your attention to the CPSC's website at www.cpsc.gov. Specific questions regarding the legislation should be directed to either the CPSC or your legal counsel. Please note that the CPSC Guidelines for Public Playground Safety are separate and distinct from the CPSIA 2008, and a manufacturer's compliance with the CPSC Guidelines does not necessarily mean that it complies with the CPSIA 2008 as well.

Thank you.

Sincerely,

\*\*Michael A Sutton\*\*

Michael A. Sutton Director of Sales

### **General Certificate of Conformance**



### **CERTIFICATION OF COMPLIANCE WITH CPSIA 2008**

The following products/product models are covered by this certificate:

Mira-Therm PVC Coatings

Decks, Ramps, Stairs, Whirl, Risers, Chains

Painted Metal

270 Tri Ring, Tarantula Climber, Flip Flop Climber

Waterslide Columns,

Mira-Cote Powder Coat

Posts, Rails, Enclosures, Climbers, Clamps, Legs, Brackets

Handles, Arches, Gliders, Wheels, Frames, Roofs

Unpainted Metal

Posts, Pipe, Tube Steel

Wood Coatings

Agito

**Powder Coatings** 

Agito, Piroette, Velocity, Quantum, Core, Whizzer,

Wheel Assy, Spirolok, Connector Plates

Each of these products is in compliance with the following sections of the CPSIA: Section 101 Lead Paint Rule

As the manufacturer/importer, Miracle Recreation Equipment Co, located at PO Box 420, 878 E Hwy 60, Monett, MO 65708, certifies the compliance of these products to the aforementioned sections of the CPSIA.

For additional information about actual test results contact:

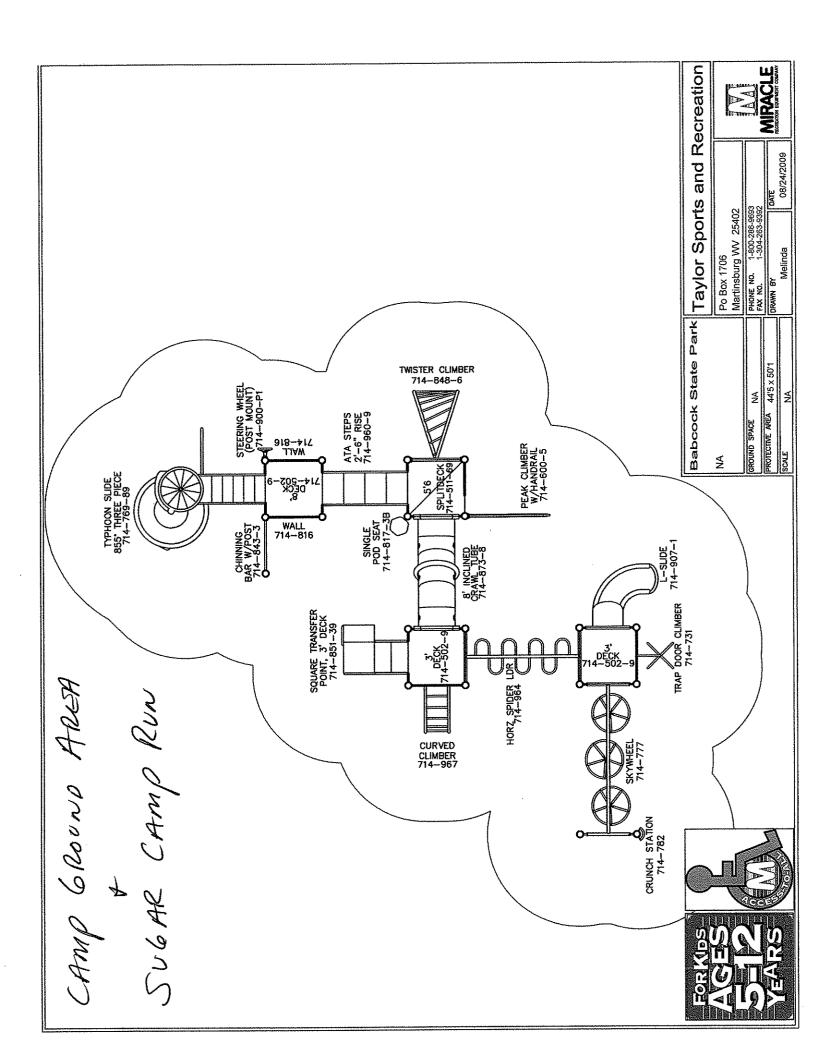
Miracle Recreceation Equipment Co. Doug Nibert Quality Manager

1 800 523 4202

The product models covered by this certificate were manufactured on: March-09

The components which make up the product models have been tested for compliance by the third party labs shown below:

Lab	Date / Location	Accredited
Applied Technical Services, Inc., 1049 Triad Court, Marietta GA, Tel 770 423 1400	12/5/08 / Marietta GA	Yes
Applied Technical Services, Inc., 1049 Triad Court, Marietta GA, Tel 770 423 1400	11/20/08 / Marietta GA	Yes
St Louis Testing Laboratories, 2810 Clark Ave, St Louis MO 63103, Tel 314 531 8080	11/25/08 /St. Louis, MO	Yes
St Louis Testing Laboratories, 2810 Clark Ave, St Louis MO 63103, Tel 314 531 8080	12/1/08 / St Louis MO	Yes
Scientific Control Laboratories, Inc., 3158 S. Kolin Ave, Chicago III 60623, Tel 773 254 2406	11/4/08 / Chicago III	Yes
St Louis Testing Laboratories, 2810 Clark Ave, St Louis MO 63103, Tel 314 531 8080	12/23/2008 / St. Louis, MO	Yes
Eurofins Miljo A/S, Smedeskovvej 38, 8464 Galten, DK-2884 8196, PH 7022-4266	12/16/08 / Denmark	Yes
Eurofins Miljo A/S, Smedeskovvej 38, 8464 Galten, DK-2884 8196, PH 7022-4266	1/14/09 / Denmark	Yes
Intertek, Centre Court, Meridian Business Park, Leicester, LE 19 1WD, United Kingdom, PH +44 (0) 116 263 0330	1/14/09 / United Kingdom	Yes



### GENERAL SPECIFICATIONS

SAFETY STANDARDS & GUIDELINES All public playground equipment supplied shall meet all applicable provisions of the current "Handbook for Public Playground Safety" published by the Consumer Product Safety Commission (CPSC), and of ASTM F1487-01 "Standard Consumer Safety Performance Specification for Playground Equipment for Public Use," published by the American Society for Testing and Materials (ASTM). Products bearing the certification seal of the International Play Equipment Manufacturers Association (IPEMA) have received written validation of compliance with ASTM F1487-01.

TRADEMARKS Miracle (R), Miracle Recreation (R), Kids' Choice (R), Tots' Choice (R), Tots' Choice (R) Expansion, Center Stage (R), Toddlers' Choice (R), Spray Stations (R), Hang-A-Round (R), Fun Tunnel (R), Versalok (R), Rock-Ite (R), Flippopotamus (R), Dupli-Gator (R), Play Terrain (R), Boulder Ridge (R), Playcover (R), Webscapes (R), Libra (R), Pegasus (R), Aquarius (R), Gemini (TM), Perseus (TM), Nexus (R), Bug Bites (R), Connexion (TM), Kidrox (R), Mt. Hood (TM), Mt. Rainier (TM), Mt. Kilimanjaro (TM), Gator Grip (R), Mega Tower (R), Observation Deck (R), Big Timber (R), Tensile Tough (TM), Tensile Tower (TM), Wavy-Waffle Wall Walker (TM), X-Cavator (TM), Power Pedaler (TM), Bongo (TM), Flippo (TM), Big Kahuna (R), Grizz-Lee(TM), Camel Back (TM), Mogul (TM), Groove (TM), Toboggan (TM), Typhoon (TM), Chameleon (TM), Whiriwind (TM), Funnel Tunnel (TM), Thunder Tunnel (TM), Sepent Trek (TM), Triple Play (TM), Kids' Perch (TM), View Groove (TM), Fun Fone (TM), Rodeo Rocky (TM), Schnozz Womp (TM), Offspring (TM), Rainbow Bend (TM), Funshades (TM), Sneak-A-View (TM), Mira-Cote (R), Mira-Therm (TM), Mira-Lam (TM), Mira-Lene (TM), OrbX (R), Sun Sparkle (TM), Trim Timber (R), XCalator (TM), and Perma-Guard (TM) are trademarks of Miracle Recreation Equipment Company. Tornado (TM), Multi-Pondo (TM), and Pirouette (TM) are trademarks of HAGS (TM). Miracle and HAGS are divisions of PlayPower, Inc. PlayPower (R) is a trademark of PlayPower, Inc.

QUALITY SYSTEM CERTIFICATION The manufacturer's quality system is certified to ISO 9001 since December 1998.

**PRODUCT CHANGES** At Miracle Recreation Equipment Company, we strive for the utmost in quality and safety in our entire product line. Therefore, in order to honor this commitment to you, our customers, we reserve the right to make changes on any product released and/or published in our annual catalog and other promotional or technical literature.

### WARRANTY

Buyer agrees that products sold by Miracle Recreation Equipment Company carry only the following warranties:

- 1. LIMITED ONE HUNDRED (100) YEAR WARRANTY on aluminum deck posts, steel deck posts, the VersaLok(R) fastening system, and associated fastening hardware against structural failure due to weather corrosion or defects in materials or workmanship.
- 2. LIMITED FIFTEEN (15) YEAR WARRANTY on steel support legs and Mira-Therm (TM) 2 on MEGA TOWER (R), TOTS' CHOICE (R), Nexus (TM), KIDS' CHOICE (R), CENTER STAGE (R), and Boulder Ridge (R) Rock Wall against structural failure due to weather corrosion or defects in materials or workmanship.
- 3. LIMITED FIFTEEN (15) YEAR WARRANTY on

playsystem steel components including railings, rungs, and rigid climbers against structural failure due to defects in materials or workmanship.

- 4. LIMITED FIFTEEN (15) YEAR WARRANTY on Rock-Ite (R) against structural failure due to defects in materials or workmanship.
- 5. LIMITED TEN (10) YEAR WARRANTY on all Play Cover (R) steel frames against failure due to weather corrosion or defects in materials or workmanship.
- 6. **LIMITED TEN (10) YEAR WARRANTY** on Play Terrain (R) Rubber Mulch against total color loss and on the attenuation performance and appearance of Play Terrain (R) Synthetic Turf safety surfacing. Please contact your local representative for more information.
- 7. LIMITED FIVE (5) YEAR WARRANTY on all Play Cover (R) fabric due to rot, UV deterioration (shades of red carry LIMITED THREE (3) YEAR WARRANTY), or defects in materials or workmanship.
- 8. LIMITED FIVE (5) YEAR WARRANTY on Kidrox (R) Climbing Rocks against structural failure due to defects in materials or workmanship.
- 9. LIMITED FIVE (5) YEAR WARRANTY on all Webscapes (R) Net Climbers against degradation of design loading capabilities and LIMITED ONE (1) YEAR WARRANTY against defects in materials or workmanship.
- 10. LIMITED THREE (3) YEAR WARRANTY on Stashproof Seats, Trim Timbers (TM), and 360° Bucket Tot Seats for Swings against structural failure due to defects in materials or workmanship.
- 11. LIMITED ONE (1) YEAR WARRANTY against structural failure due to defects in materials or workmanship on the following products and components: TODDLERS' CHOICE (R) main support materials and decks; all pool slide support structures, stairways, landings, and railings; bleachers; and all products and components not specifically listed above, including, without limitation, all moving parts and flexible climbers.

- 12. LIMITED SIX (6) MONTH WARRANTY on sewn fabric components on Early Childhood products against failure due to defects in materials or workmanship.
- 13. These limited warranties do not protect against color fade (except for Play Cover (R), as noted above), or damage due to excessive wear and tear, vandalism, or negligence. These warranties are valid only if products are installed and maintained according to manufacturer's installation and maintenance instructions.
- 14. All warranties begin to run on the date of Miracle's invoice. Repaired or replacement part(s) are warranted only for the balance of the original limited warranty.

**BUYER'S REMEDY:** If any products prove to be defective or non-conforming under normal use and within the above-prescribed warranty periods, Buyer must promptly notify Miracle in writing at P.O. Box 420, Monett, MO 65708 USA. Miracle will within a reasonable time and in its sole discretion repair or replace such defective or non-conforming product by providing replacement products or part(s) free of charge to the site. Miracle's limited warranties do not cover the cost of labor to remove defective or non-conforming part(s) or to install repaired or replacement part(s).

These limited warranties apply only to Miracle products that are erected in conformance with Miracle's installation instructions and maintained and inspected in conformance with Miracle's maintenance and operational instructions. These limited warranties specifically do not cover Miracle products: that have been modified, altered, or misused; that have not been used as designed or intended to; to which non-Miracle parts have been added or substituted; or that have been damaged due to vandalism, abnormal use, or abuse. Buyer, by acceptance and use of these limited warranties, waives any rights it would otherwise have to claim or assert that this limited warranty fails of its essential purpose. Buyer agrees that venue for any court action to enforce these limited warranties shall be in Barry or Greene Counties in the State of Missouri.

EXCEPT AS EXPRESSLY WARRANTED HEREIN, MIRACLE EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THOSE ARISING BY STATUTE OR OTHERWISE IN LAW OR FROM COURSE OF DEALING OR USAGE OF TRADE. IN NO EVENT SHALL MIRACLE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, WHETHER BASED UPON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION, CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES OR OTHER PECUNIARY LOSS).

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of items listed in bold type.

• KIDS' CHOICE MIRA-THERM2 DECKS: The deck models in the 714-50X-9 series shall consist of a (3) sided equilateral triangle deck: Model # 714-501-9, with a deck top surface area of 7 sq. ft. (1008 sq. in.); a (4) sided square deck: Model # 714-502-9, with a deck top surface area of 16 sq. ft. (2304 sq. in.); (4) sided (3) opening half hex decks: Model #s 714-503-9 and 714-504-9, with a deck top surface area of 21 sq. ft. (3024 sq. in.); (4) sided (6) opening rectangular decks: Model #s 714-508-9, 714-509-9 and 714-510-9, with a deck top surface area of 32 sq. ft. (4608 sq. in.); a (5) sided pentagon deck: Model # 714-512-9, with a deck top surface area of 23.8 sq. ft.. (3427 sq. in.); an (8) sided octagon deck: Model # 714-519-9, with a deck top surface area of 60 sq. ft. (8640 sq. in.); (4) sided (6) opening parallelogram decks: Model #s 714-505-9, 714-506-9 and 714-507-9, with a deck top surface area of 28 sq. ft. (4032 sq. in.); and a (7) sided heptagon deck: Model # 714-517-9, with a deck top surface area of 55 sq. ft. (7,920 sq. in.).

Model # 714-511-9 shall be an isosceles triangle split deck (single section) designed to serve as a step platform for lower deck heights: 18" or lower for 2-5 year olds, and 30" or lower for 5-12 year olds. All other Model # 714-511-X9 split decks shall feature two triangular deck sections which shall be mounted between four posts at different heights so that a 6", 12", 18", or 24" (X) rise shall be formed along the hypotenuse between two posts. Models which rise greater than 6" shall contain a riser plate; models which rise greater than 12" shall also contain an arched enclosure assembly. The deck top surface area of split deck models shall be 8 sq. ft. each for both sections, or total 16 sq. ft. Riser plates shall be constructed of 11 ga. A-60 Galvannealed sheet; risers for 18" and 24" rises shall contain a rung and vertical supports of 1" tube, solid welded, all finished in Mira-Cote. The arch enclosure assembly accompanying models which rise 18" and 24" shall comprise top and bottom supports and an arched upright constructed of 1" pipe, drilled, formed and mashed, all solid welded, and vertical rungs of 1" tube, with plastic pipe plugs inserted in open ends, and finished in Mira-Cote.

Decks shall be designed for maximum flexibility in height of deck surface, from 0" to 6"-6" (in 6" increments,) though 3', 5' and 6'-6" shall be considered standard heights. Decks shall be designed on a 48" center-to-center spacing on 5" deck posts, at equal or varied heights. All deck-to-post connections shall be made with a deck support clamp. All deck connections shall be made beneath deck with no exposed fasteners on deck perimeter. Decks with 8' wide open side shall be designed to attach to another deck with 8' wide open side at same deck height, or to a Model #714-770-6 Flippopotamus Slide/Climber.

All decks shall be constructed with folded 11 ga. steel sheet forming 3" tall sides. Decking sheets shall be perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The decking shall have 7 ga. by 2" flat steel braces and corner braces of 7 ga. steel. The entire assembly shall be solid welded prior to polyvinyl coating. Each assembly shall contain Versalok Fasteners and Fastener Style A hardware. All deck surfaces shall be coated in Mira-Therm2 or Mira-Therm PE.

- KIDS' CHOICE STEEL POSTS each shall be constructed of 5" tube with a 5" round end cap pressed into its top end. Post and end cap shall have a Mira-Cote finish.
- MIRA-THERM2 9'-4" AND 12' TYPHOON SPIRAL SLIDES shall be 630 degree and 855 degree, open bedway spiral slides with step assemblies and barrel canopies, featuring platform heights of 9'-4" and 12', designed for attachment to 5', 6', 6'-6" and 8' decks. The slide bedway shall be constructed of 1/4" to 5/16" wall Rockite. The slide bedway shall be 30" wide with a 15" high side wall. The center post shall be constructed

of 4" pipe. The step assembly shall be constructed of 11 ga, steel sheet folded and perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center, solid welded to stringers of 7 ga, black steel. Bolting brackets shall be 11 ga, black steel. The handrail assembly shall consist of a top and bottom rail and newel post, formed, constructed of 1" pipe with infill of 3/4" x 1" oval tube (for Kids' Choice models) or 1" tube (for Tots' Choice models). The step enclosure assembly shall be solid welded. Closing open ends shall be plastic pipe plugs. The diagonal brace shall be constructed of 2" pipe and shall measure 17. The deck enclosures shall consist of a vertical rail, and top and bottom rail, formed, constructed of 1" pipe with an upright of 1" tube, and 3/8" aluminum inserts in the rail ends for attachment to the step enclosures. The deck enclosure assembly shall be solid welded. The 35" platform barrel shall be Rockite, with a canopy painted alternating colors with polyurethane paint. The barrel shall have molded-in view grooves for viewing children. The back-up plates used to connect the step assembly and the barrel shall be constructed of 1/4" x 1" x 6" flat steel. The front leg shall be constructed of 2" pipe and shall be attached to the slide using a channel constructed of 7 ga, sheet. Each assembly shall contain Versalok Fasteners and Fastener Style A hardware. The Rockite slide and platform canopy shall have color molded in. The step shall be finished in Mira-Therm2 or Mira-Therm PE. The handrail assemblies, deck enclosures, front leg assembly, diagonal brace, and clamps shall be finished in Mira-Cote. The back-up plates shall have a zinc plate finish.

- ROCKITE "L" SLIDE shall be an open bedway slide which shall exit to the right from a 3' deck and shall include a canopy panel. The one-piece slide and the canopy panel shall be constructed of double wall Rockite. The slide shall have 6-1/4" high side rails, an overall width of 25-5/8", and an 18" wide sliding surface. The front leg shall be constructed of 1-1/2" tube, solid welded to a 7 ga. A-60 Galvannealed mounting bracket. A top rail used for mounting the canopy between deck posts shall be 1" pipe. Each assembly shall contain Versalok Fasteners and Fastener Style A hardware. The top rail, front leg, and clamps shall be finished in Mira-Cote. The Rockite slide and canopy shall have color molded in.
- MIRA-THERM2 ATA STAIRS BETWEEN DECKS shall be stair assemblies, with spoked or open handrails, designed to connect decks of different heights. The steps shall be constructed of 7 ga. steel stringers with treads constructed of 11 ga. steel sheet perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center, solid welded, with polyvinyl coating. The braces shall be constructed of 11 ga. black. The spoked handrails shall consist of a top and bottom rail and newel post, all of 1" pipe, and uprights constructed of 3/4" x 1" oval tube, all solid welded, with plastic pipe plugs inserted in open ends. Top rails shall have 3/8" aluminum inserts. The open handrails shall consist of a top and bottom rail and newel post of 1" pipe, all solid welded, with plastic pipe plugs inserted in open ends. Top rails shall have 3/8" aluminum inserts. The top deck enclosure shall consist of enclosure rails and an upright, both to be constructed of 1" pipe, drilled and solid welded, with one end of upright mashed for field attachment to deck. The bottom deck enclosure shall consist of horizontal rails and an upright of 1" pipe, drilled and solid welded, and a spoke upright of 3/4" x 1" oval tube. The upright shall be mashed on one end for field attachment to deck. Inserted in open ends will be plastic pipe plugs. The assembly shall include Fastener Style A hardware and Versalok Fasteners. The step assemblies shall be finished in Mira-Therm PE. The deck enclosures, handrails, and clamps shall be finished in Mira-Cote.
- MIRA-THERM2 SQUARE TRANSFER POINTS shall be designed to assist disabled users gain access to and egress from a deck system. The stair assembly shall be constructed of 11 ga. steel stringers solid welded to 11 ga. steel sheet decking that is perforated in a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. Approximate dimensions of stair assembly shall be 26" overall width, 14" deep step tread and 8" high step rise. The 26" square (approximate) transfer point shall be constructed of 11 ga. steel sheet folded to form approximately 3" high sidewalls. The decking shall be perforated as described above. It shall be reinforced with cross braces of 3/16" x 2" HR flat solid welded. The bottom step shall be constructed of 11 ga. steel sheet (with folded edges) perforated as described above. The step shall be approximately 26" wide by 14" deep by 6-1/2" high, Kids' Choice deck enclosures shall be constructed of formed 1" pipe, including a welded upright of the same material. Tots' Choice deck enclosures shall be constructed of 1" pipe and a formed and welded upright of 1" tube. Each deck enclosure assembly shall be drilled for field assembly of a stair handrail, and shall have its bottom end mashed and punched for field assembly to deck. Stair handrail assemblies shall be welded upper and lower handrails of formed 1" pipe. Closed handrails shall contain vertical uprights of 3/4" x 1" oval tube welded within. Swaged handrail extensions for field assembly to handrails shall be constructed of 1" pipe. A transfer deck handrail constructed of formed 1" pipe shall be field assembled to one handrail newel upright and transfer point deck edge. Models designed for assembly to 5' and 6' or 6'-6" decks shall contain handrail sleeve supports constructed of 1-1/4" pipe, 10 ga. The "U"-shaped transfer step handrail shall be formed 1" pipe, drilled for field assembly to transfer point deck and bottom step. Its apex shall be 36-1/8" from finished grade. The rung leg shall be 1" pipe with ends mashed and punched for field assembly to bottom step. The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The stairs, bottom step, and transfer point deck shall be finished in Mira-Therm2 or Mira-Therm PE. The deck enclosures, handrails, extensions, sleeves, leg and clamps shall be finished in Mira-Cote.
- TWISTER CLIMBER shall be a deck-mounted rung climbing challenge that twists 90° from ground level to 5', 6'-6" or 8' heights for Kids' Choice, or 5' or 6' deck heights for Tots' Choice and Tots' Choice Expansion. Climber assembly shall comprise an upright, lower side rail, upper side rail, end rail, and tee frame assembly of 1" pipe, with 10 climbing rungs of 1" pipe Gator Grip. Rungs shall measure (ascending) 34-1/8", 34-3/16", 34-1/16", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-3/4", 33-5/16" in length and a spoke of 3/4" x 1" oval tube, 34-9/16" in length. The tee frame shall be constructed of 2" pipe. The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The enclosures, tee frame and climber assembly shall have a Mira-Cote finish.
- CLIMBING POLE/SPIDER CLIMBER/BUMPER LADDER/SPIRAL CLIMBER/CLIFF CLIMBER/TRAP DOOR CLIMBER shall each be used as an entry to or an exit from a deck. The cliff climber side rails and rungs shall be constructed of 1" pipe, formed, drilled and all solid welded construction, with an extension tube constructed of 1-1/4" pipe, 10 ga. The trap door climber pole shall be formed 1-1/4" pipe. The "U" shaped rungs shall be formed 1" pipe. The extension shall have a 3/8" aluminum insert. The climber shall be a welded assembly. The climbing pole shall be constructed of 1" pipe, 12 ga. The spider climber pole and "U" shaped rungs shall be formed 1" pipe, solid welded. The spiral climber shall be constructed of 1" pipe, formed, drilled and all solid welded construction with plastic pipe plugs inserted in open ends. For the Tots' Choice system, the spiral climber center pole shall be constructed of 1" pipe, formed, drilled and all solid welded construction with plastic pipe plugs inserted in open ends and the spiral shall be constructed of 1" tube and shall be attached to the center pole by means of six spacers, also constructed of 1" tube. The assembly shall be solid welded. The bumper ladder shall be constructed of Rockite bumpers supported internally by a pole constructed of 1" pipe, 10 ga. Each bumper shall measure 18" high x 19" wide. The Kids' Choice arch enclosure assembly shall consist of top

supports, a bottom support, and an arched upright, which shall be constructed of 1" pipe, formed, mashed, and punched, with vertical infill of 3/4" x 1" oval tube. The Tots' Choice arch enclosure shall comprise two top supports and infill of 1" tube and a climbing pole support and arch support of 1" pipe, all solid welded. All enclosure assemblies shall have an extension tube of 1" pipe, 10 ga. Enclosure assemblies shall be solid welded. The cliff climber, trap door climber, climbing pole, spiral climber, bumper ladder pole, and enclosure assembly shall have a Mira-Cote finish. The Rockite bumpers shall have color molded in.

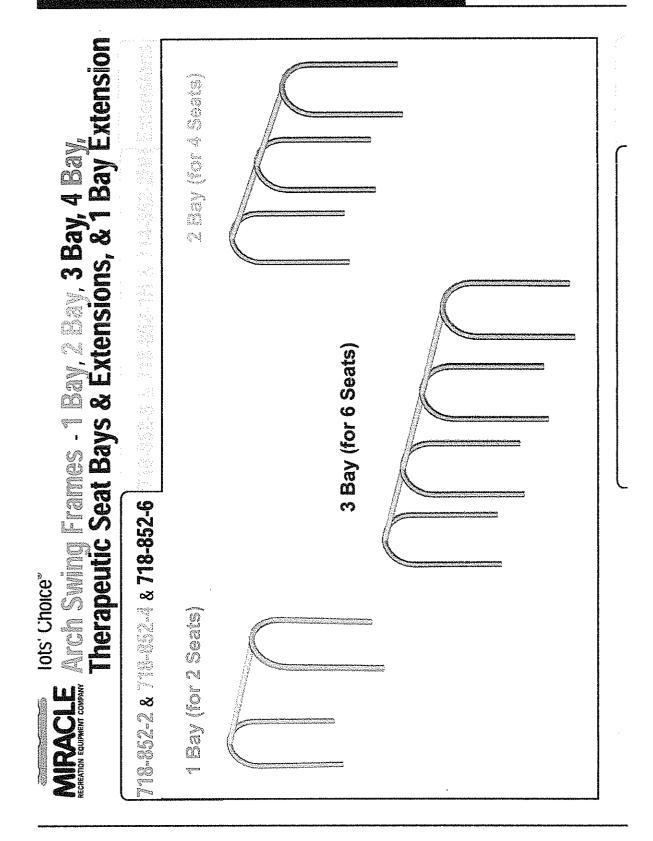
- PEAK CLIMBERS WITH HANDRAILS shall include the Peak Climber w/Handrail for 4'-5' decks (Model #s 714-600-5 and 704-600-5), and Peak Climber w/Handrail for 6' or 6'-6" Decks (Model #s 714-600-6 and 704-600-6). These models shall be deck mounted climbing challenge assemblies comprising inclined rails containing a series of welded "U" loops on undersides, a handrail, and half enclosure. The climber rails shall each be constructed of formed 1" pipe with an upright spoke, horizontal post-attachment stub, and formed "U" loops constructed of 1" pipe solid welded to its underside. The handrails shall comprise a spoke of 3/4" x 1" oval tube, top upright of 1" pipe, and rails of 2" pipe, all solid welded. The half enclosure shall comprise an outer upright, cross bars, and enclosure upright constructed of 1" pipe, and spokes of 3/4" x 1" oval tube, all solid welded. All Versalok Fasteners for deck and component attachment shall be aluminum alloy. All fastening hardware shall be Fastener Style A. The post, rails, enclosure, and Versalok Fasteners shall be finished in Mira-Cote
- CURVED CLIMBERS shall be ground-to-deck climbers. The side rails shall be curved 1-1/2" pipe (except Tots' Choice models which shall be 1" pipe) with blind fasteners inside top end with rungs constructed of 1" tube, 18-1/2" long, mashed on ends and all welded construction. Dimensions shall be 22" wide with the span for Model # 714-942 and # 718-942 being 6'-7" and the span for Model # 714-967 and # 718-967 being 3'-6". The handhold assembly shall be die-formed and welded 1" pipe. Curved climber and handholds shall have a Mira-Cote finish.
- SKY WHEELS shall be deck-mounted (Model # 714-776, # 714-775 and # 714-776.) or freestanding (Model # 776.) Model # 714-776.5 and # 704-776-85 and # 714-776-85 may be deck mounted or freestanding. It shall be designed to provide children with a safe, fun and physically challenging play experience. Wheels shall be set at 15 degree angles so the user will grasp the first, suspending his or her body, and roll around to within reach of the next wheel until reaching the opposing end. The frame assembly on Model # 714-775 only shall consist of sleeves constructed of 5" Sch 40 pipe welded to a "U" shaped brace and diagonal supports constructed of 2" pipe, all solid welded. The header assembly shall consist of a 10'-6" beam constructed of 2" pipe (2-3/8" OD), a 9 ga. 1010 hot rolled, Flo-Coat, galvanized pipe manufactured from steel, cold formed and high frequency induction welded continuously. It shall conform to ASTM A-135 and ASTM A-500 and shall be tested in accordance with ASTM E-8. The beam shall be welded to a 4'-0" end crossbars of 2" pipe. The header shall contain three stubs of 1" pipe with caps and threaded inserts solid welded. The sky wheels shall each be constructed of a round bar steel hub solid welded between five spokes of 1" pipe with mashed ends and a formed ring of 1" pipe. The wheels shall be field assembled to the header stubs using two Delrin washers and other hardware. Versalok Fasteners for deck and component attachment shall be aluminum alloy. All fasteners shall be Fastener Style A. The header assembly, clamps, and sky wheels shall be finished in Mira-Cote.
- HORIZONTAL SPIDER LADDER shall be available in horizontal and inclined configurations. The inclined spider ladder shall have a 1' incline. The center support rail shall be constructed of 2" pipe (except Tots' Choice models which shall be 1" pipe) and a series of alternating "U" loops shall be constructed of 1" pipe. The spider ladder assembly shall be solid welded. The posts shall be constructed and finished in the same manner as deck posts (The Kids' Choice system also offers an option of aluminum posts for this component.) For models with optional end climbers, the end climber assembly shall be constructed of 1" pipe (except Tots' Choice models which shall be 1" tube), formed. The assembly shall be solid welded. For models with optional deck enclosures, the enclosure assemblies shall consist of enclosure rails and uprights. The enclosure rails shall be constructed of 1" pipe (except Tots' Choice models which shall be 1" tube), formed, mashed and punched. The uprights shall be constructed of 3/4" x 1" oval tube (except Tots' Choice models which shall be 1" tube.) mashed on both ends. The enclosure assemblies shall be solid welded.

  Opening space to go from the deck to the climber shall be less than 14". Each assembly shall include Versalok Fasteners and Fastener Style A and Fastener Style B hardware. The ladder, end climber, and enclosure assemblies shall have a Mira-Cote finish.
- 30" I,D. ROCKITE CRAWL TUBES shall contain viewing holes and shall be designed to provide children a fun and challenging means of traversing from one deck to another. All pieces of the crawl tube assembly shall be constructed of Rockite with a 30" inner diameter. Elbows shall have a 22" centerline radius. Tube-to-tube connections shall have a Rockite flange cover. The bedway shall have no exposed internal fasteners. The tube joints shall be externally flanged and overlapping, with a 1" wide flange. The entry panels shall be Rockite and shall measure 47" x 38". The wall thickness shall be approximately 1/4". Support legs shall be die-formed of 1-1/4" pipe. The panel rungs shall be constructed of 1" pipe and shall measure 41". Each assembly shall contain Versatok Fasteners and Fastener Style A hardware. The panel rungs, support legs, and clamps shall have a Mira-Cote finish. Rockite tubes, panels and flange covers shall have color molded in.
- WALL ENCLOSURE/WALL WITH STEERING WHEEL/CLOSURES/HANDHOLD FOR TRANSFER POINT/TREEHOUSE SEAT shall be barrier assemblies. The handhold for transfer point shall be used as a support rail to assist wheelchair user access on a 1'-6" transfer point deck. The wall enclosure and transfer point handhold supports shall consist of a welded assembly handrail system with a top and bottom rail constructed of 1" pipe (except Tots' Choice models which shall be 1" tube) and uprights constructed of 3/4" x 1" oval tube (except Tots' Choice models which shall be 1" tube), solid welded. The mounting bracket shall be 11 ga. A-60 Galvannealed sheet steel, welded to the wall enclosure. The steering wheel on vehicle-themed panels shall be constructed of a high-density blow molded polyethylene produced from high performance, U.V. stabilized resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505. D-1248, D-1693(b), D-638, D-790 and D-746. Resin's properties exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain U.V. light stabilizers. The Treehouse Wall with Seat shall comprise a top and bottom rail and end uprights constructed of 1" pipe and spoked infill of 3/4" x 1" oval tube and a seat assembly, all solid welded. The seat assembly shall comprise a frame of 1" pipe with bolting brackets of 3/16" x 1-1/4" HR flat and a factory-assembled 19" wide seat constructed of 11 ga. sheet, perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The seat surface shall be approximately 14" from the deck, if applicable. The enclosure rungs, uprights, handhold for transfer point, enclosure with seat assembly, steering wheel, and steering wheel mounting bracket shall have a Wira-Cote finish. The seat shall be finished in Mira-Therm2 or Mira

- POD SEATS shall be designed to attach to existing Kids' Choice deck posts, creating a resting seat. Pods shall be constructed of Rockite and shall contain a hex-shaped top surface measuring approximately 14-1/2" in diameter. Pods shall measure 12" without frame. Frame shall be constructed of a horizontal bar constructed of 2" pipe; a 5" diameter bolting plate of 5" Sch 40 pipe solid welded to the frame's horizontal bar; seat support post(s) measuring 11" constructed of 1-1/2" pipe solid welded to the frame's horizontal bar; post mount plate(s) measuring 5-7/8" x 5-7/8", constructed of 11 ga. galvanized solid welded to the seat support post(s). Frame length for Model #714-817-3B shall be 11-1/4" before field assembly to pod seat. Frame length for Model #714-817-4B shall be 43" before field assembly to pod seats. All fasteners shall be Fastener Style A. The Rockite pod seats shall have color molded in. The frames shall be finished in Mira-Cote.
- CRUNCH STATION shall be a semi-circular horizontal rung assembly designed for mounting on a 5" steel deck post with the rung set 50" 80" from finished grade. The Crunch Station shall enable the user to perform leg lifts and crunches in a standing position. It shall be constructed of a cut and formed 1" pipe segment solid welded to support and bolt plates of 7 ga. galvanized steel. All hardware shall be Fastener Style A. The assembly shall have a Mira-Cote finish.
- CHINNING BAR models shall be field assembled between posts to allow users to perform the traditional exercise. Model # 714-843 shall contain the rung, clamps, and a deck post constructed of 5" tube, 11 ga. Model # 714-843-2 shall contain the rung, clamps, and a deck post constructed of 5" aluminum tube. Model # 714-843-3 shall contain the rung, clamps, and a deck post constructed of 5" tube. The 106" deck post shall have a 5" round end cap pressed into its top end. Model # 714-843-5 shall contain the rung and clamps only. The chinning bar shall be constructed of 1" pipe (except Tots' Choice models which shall be constructed of 1" tube). The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The post, rung and clamps shall be finished in Nira-Cote.
- STEERING WHEEL, POST MOUNT shall be designed to provide driving stimulation on any pre-existing deck post. The steering wheel shall be constructed of a high-density blow-molded polyethylene produced from high performance, U.V. stabilized resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505. D-1248, D-1693(b), D-638, D-790 and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel tub cover shall be constructed of injection-molded polypropylene which shall contain U.V. light stabilizers. The Steering Column shall be constructed of 2" pipe. The assembly shall contain Fastener Style A hardware. The Steering Column shall have a Mira-Cote finish.

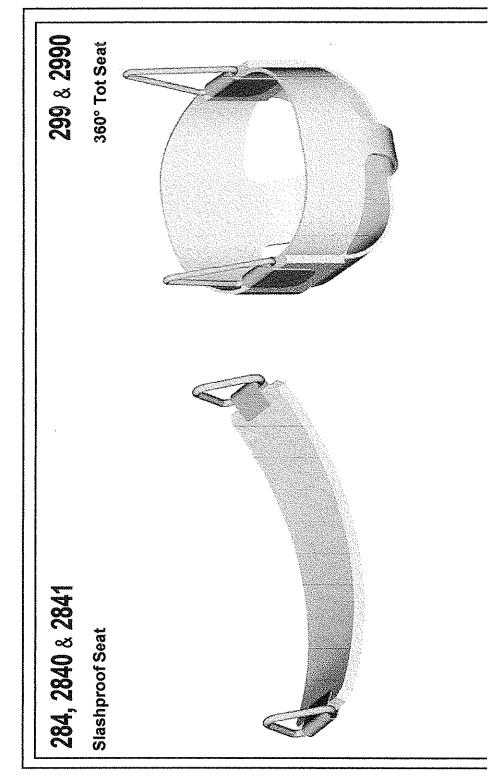
### Technical Data for Processes and Finishes of the Highlighted Items

- aluminum alloy conforms to the following: ASTM 356, ANSI 322, Chrysler MS 2417 and General Motors GM 4323-M. Parts or components constructed of aluminum alloy are either sand cast or die cast. Sand cast aluminum alloy is 319 with tensile strength of 27,000 p.s.i. and yield strength of 18,000 p.s.i. Die cast aluminum alloy is 383.1 with tensile strength of 45,000 p.s.i. and yield strength of 22,000 p.s.i.
- Mira-Therm2 coated chain is a welded chain with links sufficiently wide to allow them to pass one another freely, eliminating the tendency to kink. The links are low carbon zinc plated steel with a polyvinyl chloride coating.
- Versalok Fasteners (R) are cast aluminum alloy. Each fastener consists of two die cast aluminum alloy "half ring" pieces, which were designed to fasten onto the round posts by use of a male/female interlock. For 3-1/2" post, outside dimension of the completed fastener (joined "half-rings") is 5". For 5" post, outside dimension of the completed fastener is 6-1/2". Rungs and components connect to clamps on posts by means of die cast aluminum alloy, two-piece socket receptors which may be assembled to a previously-installed clamp ring and secured to the clamp and component by set screws (and tek screws in some cases). Decks connect to clamps on posts by means of die cast aluminum alloy, one-piece deck support castings. The clamp assembly and socket receptor have a Mira-Cote finish. Kids' Choice components with 2" pipe mounting points attach to 5" posts using aluminum alloy sand cast header supports.
- 5" round end cap is die cast aluminum alloy.



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MIRACLE Swing Seats



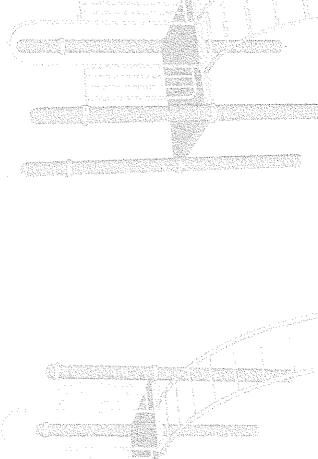
SIR BOLL FROM EQUIPMENT COMPANY

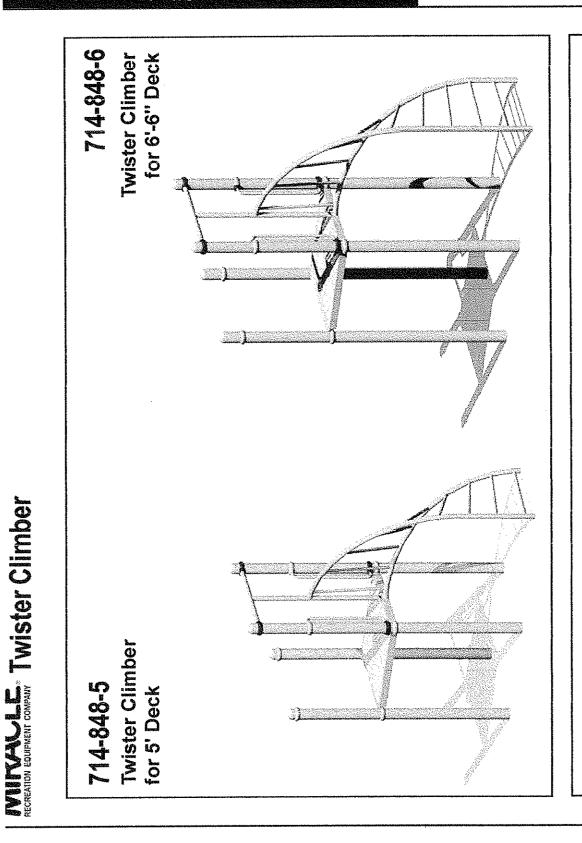
Kids' Choice

# CUIVED CUITIBLES from 5' & 6'-6" DECKS and 5' & 4' DECKS Deck systems not included in these assemblies.

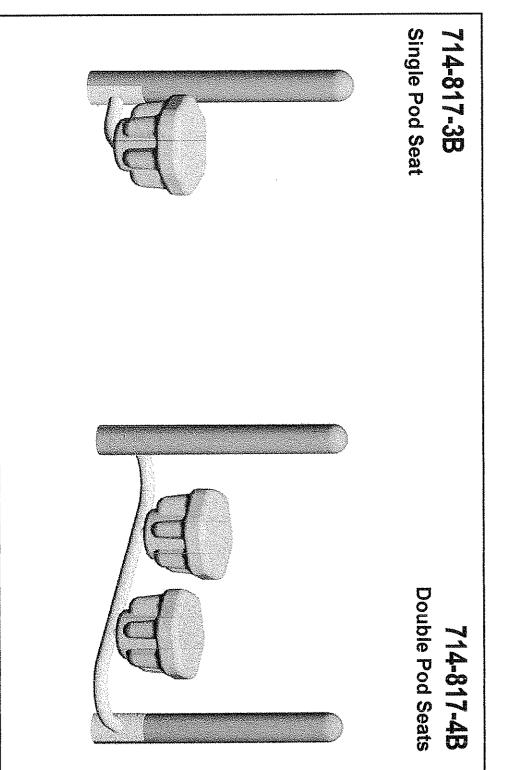
II4-942 and II4-367

Curved Climber from 5' & 6'-6" Decks





# RECREATION EQUIPMENT COMPANY SINGLE & Double Pod and Big Timber® Stump Seats

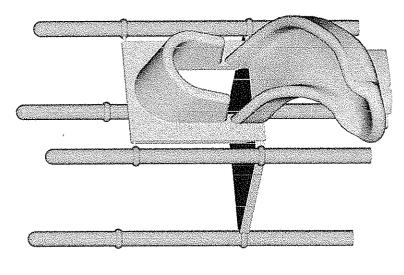


NIPACLE Horizontal Ladders, "L" Ladder, Orbit Climber, Spider Ladder

Spider Ladder 714-964-5 Orbit Climber 714-944-5

MIRACLE SINGE from 3' Deck; Right Exit

T. Side fon J. Deck, Yight





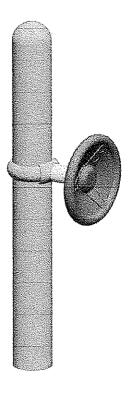
## Product Specifications

Steering Wheel, Post Mount

MRACLE RECREATION EQUIPMENT COMPANY

714-900-P1

Steering Wheel, Post Mount



Page 1 of 2

714-900-21



### Steering Wheel, Post Mount

MODEL#

**PRODUCT** 

PROT. AREA

**GRND. SPACE** 

CONCRETE

714-900-P1

Steering Wheel, Post Mount

None

2' x 1'

None

### **DESCRIPTION:**

This post mount Steering Wheel is designed to provide driving simulation on any pre-existing deck post.

Steering Wheel:

The steering wheel shall be constructed of a high density blow molded polyethylene produced from high performance, U.V. stabilized resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693(b), D-638, D-790, and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance, and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain

U.V. light stabilizers.

Steering Column:

The Steering Column shall be constructed of 2" pipe.

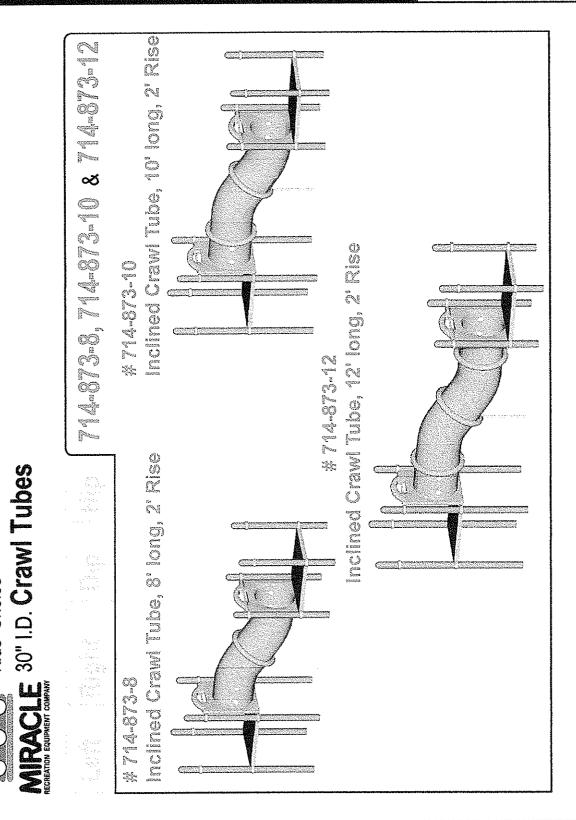
Fasteners:

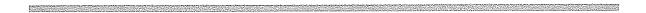
The assembly shall contain Fastener Style A hardware.

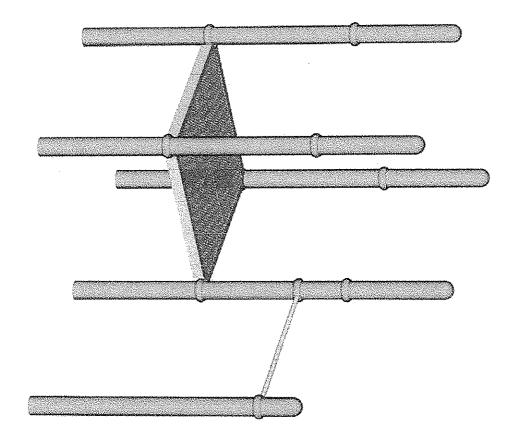
Finishes:

The Steering Column shall have a Mira-Cote finish.

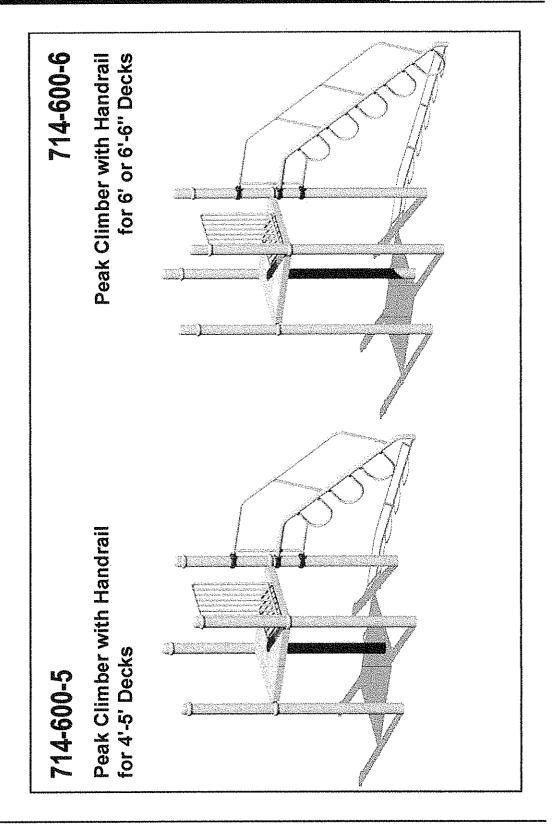
MIDS. Choice

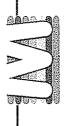






WINCASCIENT COMPANY POAK Climber with Handrails

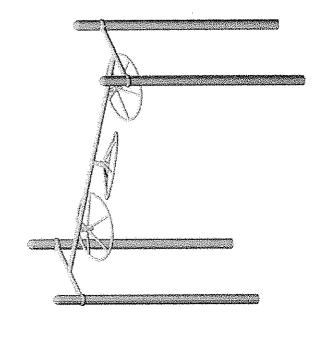


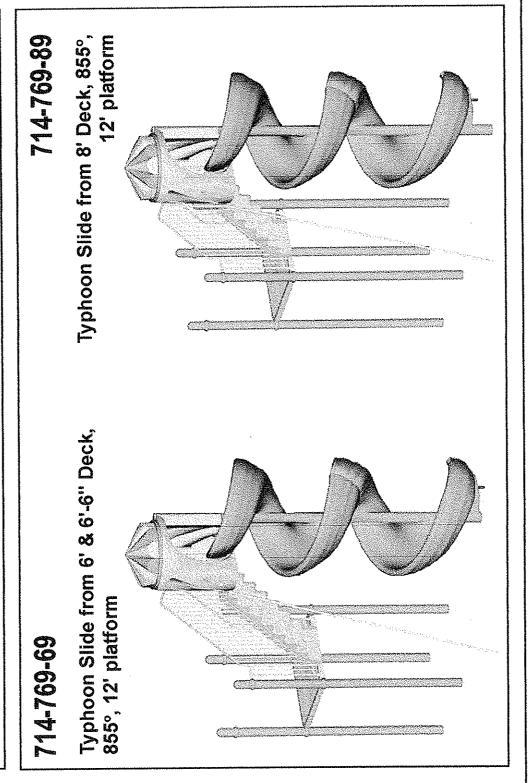


# Kids' Choice Sky Wheels - Between Decks, Ground-to-Deck and Freestanding Deck system or posts, end ladders and/or enclosures not included in this assembly. See separate Product Specifications.

714-776-5

Sky Wheels (3)





## WIFE ED EQUIPMENT COMPANY

Vertical Climbers Trap Door Climber, Climbing Pole, Spider Climber,

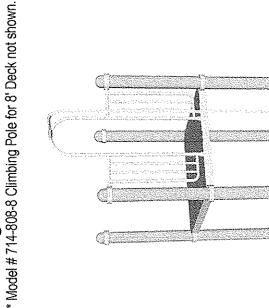
Spiral Climber, Wiggly Worm Climber & Bumper Ladder

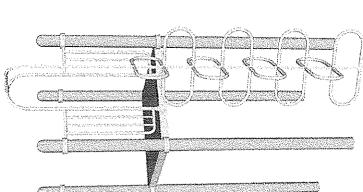
## 714-974-8, 714-976-3, 714-976-5, 714-976-6 on pg. 2

714-731\*,714-731-6 & 714-808,714-808-8\*

\* Model # 714-731 Trap Door Climber for 3' or 5' Deck not shown. Trap Door Climber for 6'-6" Deck

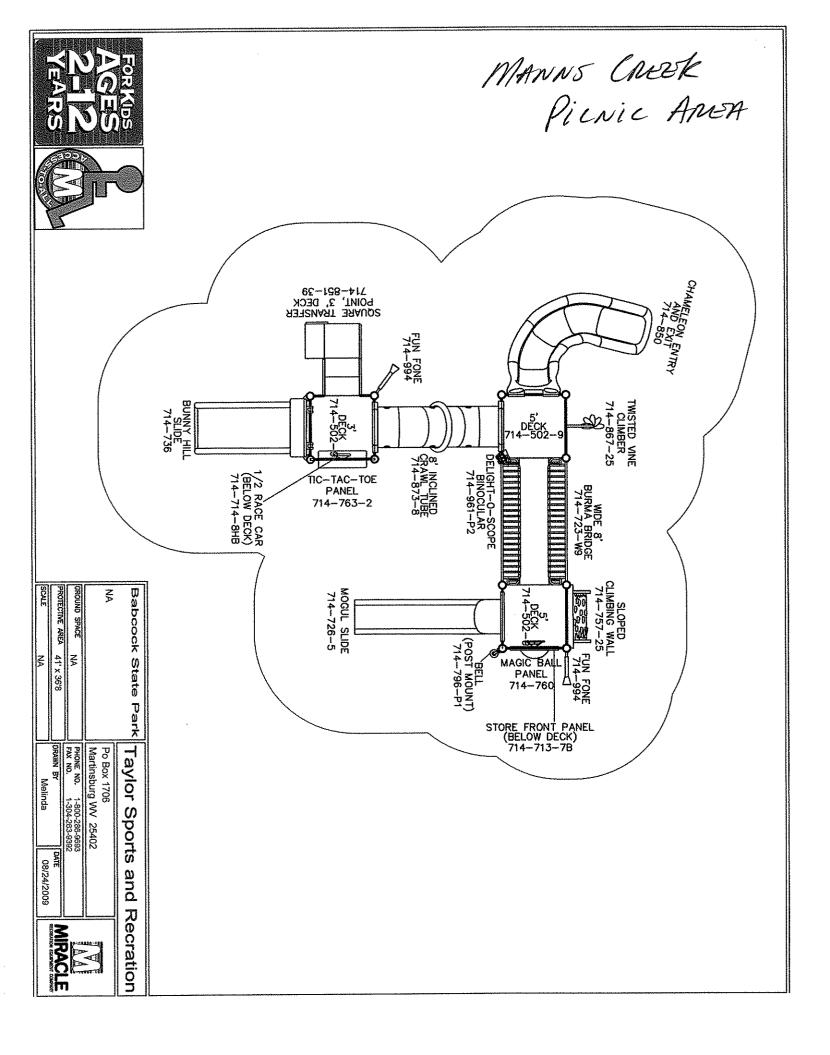
Climbing Pole for 3', 5' or 6'-6" Deck





714-974-8,

THE FEE C 74 4 500 Crunch Station



## . GENERAL SPECIFICATIONS

SAFETY STANDARDS & GUIDELINES All public playground equipment supplied shall meet all applicable provisions of the current "Handbook for Public Playground Safety" published by the Consumer Product Safety Commission (CPSC), and of ASTM F1487-01 "Standard Consumer Safety Performance Specification for Playground Equipment for Public Use," published by the American Society for Testing and Materials (ASTM). Products bearing the certification seal of the International Play Equipment Manufacturers Association (IPEMA) have received written validation of compliance with ASTM F1487-01.

TRADEMARKS Miracle (R), Miracle Recreation (R), Kids' Choice (R), Tots' Choice (R), Tots' Choice (R) Expansion, Center Stage (R), Toddlers' Choice (R), Spray Stations (R), Hang-A-Round (R), Fun Tunnet (R), Versalok (R), Rock-Ite (R), Flippopotamus (R), Dupli-Gator (R), Play Terrain (R), Boulder Ridge (R), Playcover (R), Webscapes (R), Libra (R), Pegasus (R), Aquarius (R), Gemini (TM), Perseus (TM), Nexus (R), Bug Bites (R), Connexion (TM), Kidrox (R), Mt. Hood (TM), Mt. Rainier (TM), Mt. Kilimanjaro (TM), Gator Grip (R), Mega Tower (R), Observation Deck (R), Big Timber (R), Tensile Tough (TM), Tensile Tower (TM), Wavy Waffle Wall Walker (TM), X-Cavator (TM), Power Pedaler (TM), Bongo (TM), Flippo (TM), Big Kahuna (R), Grizz-Lee(TM), Camel Back (TM), Mogul (TM), Groove (TM), Toboggan (TM), Typhoon (TM), Chameleon (TM), Whirlwind (TM), Funnel Tunnel (TM), Thunder Tunnel (TM), Serpent Trek (TM), Triple Play (TM), Kids' Perch (TM), View Groove (TM), Fun Fone (TM), Rodeo Rocky (TM), Schnozz Womp (TM), Offspring (TM), Rainbow Bend (TM), Funshades (TM), Sneak-A-View (TM), Mira-Cote (R), Mira-Therm (TM), Mira-Lene (TM), OrbX (R), Sun Sparkle (TM), Trim Timber (R), XCalator (TM), and Perma-Guard (TM) are trademarks of Miracle Recreation Equipment Company, Tornado (TM), Multi-Pondo (TM), and Pirouette (TM) are trademarks of HAGS (TM). Miracle and HAGS are divisions of PlayPower, Inc. PlayPower (R) is a trademark of PlayPower, Inc.

QUALITY SYSTEM CERTIFICATION The manufacturer's quality system is certified to ISO 9001 since December 1998.

**PRODUCT CHANGES** At Miracle Recreation Equipment Company, we strive for the utmost in quality and safety in our entire product line. Therefore, in order to honor this commitment to you, our customers, we reserve the right to make changes on any product released and/or published in our annual catalog and other promotional or technical titerature.

## WARRANTY

Buyer agrees that products sold by Miracle Recreation Equipment Company carry only the following warranties:

- 1. LIMITED ONE HUNDRED (100) YEAR WARRANTY on aluminum deck posts, steel deck posts, the VersaLok(R) fastening system, and associated fastening hardware against structural failure due to weather corrosion or defects in materials or workmanship.
- 2. LIMITED FIFTEEN (15) YEAR WARRANTY on steel support legs and Mira-Therm (TM) 2 on MEGA TOWER (R), TOTS' CHOICE (R), Nexus (TM), KIDS' CHOICE (R), CENTER STAGE (R), and Boulder Ridge (R) Rock Wall against structural failure due to weather corrosion or defects in materials or workmanship.
- 3. LIMITED FIFTEEN (15) YEAR WARRANTY on

playsystem steel components including railings, rungs, and rigid climbers against structural failure due to defects in materials or workmanship.

- 4. LIMITED FIFTEEN (15) YEAR WARRANTY on Rock-Ite (R) against structural failure due to defects in materials or workmanship.
- 5. LIMITED TEN (10) YEAR WARRANTY on all Play Cover (R) steel frames against failure due to weather corrosion or defects in materials or workmanship.
- 6. LIMITED TEN (10) YEAR WARRANTY on Play Terrain (R) Rubber Mulch against total color loss and on the attenuation performance and appearance of Play Terrain (R) Synthetic Turf safety surfacing. Please contact your local representative for more information.
- 7. LIMITED FIVE (5) YEAR WARRANTY on all Play Cover (R) fabric due to rot, UV deterioration (shades of red carry LIMITED THREE (3) YEAR WARRANTY), or defects in materials or workmanship.
- 8. LIMITED FIVE (5) YEAR WARRANTY on Kidrox (R) Climbing Rocks against structural failure due to defects in materials or workmanship.
- 9. LIMITED FIVE (5) YEAR WARRANTY on all Webscapes (R) Net Climbers against degradation of design loading capabilities and LIMITED ONE (1) YEAR WARRANTY against defects in materials or workmanship.
- 10. LIMITED THREE (3) YEAR WARRANTY on Stashproof Seats, Trim Timbers (TM), and 360° Bucket Tot Seats for Swings against structural failure due to defects in materials or workmanship.
- 11. LIMITED ONE (1) YEAR WARRANTY against structural failure due to defects in materials or workmanship on the following products and components: TODDLERS' CHOICE (R) main support materials and decks; all pool slide support structures, stainways, landings, and railings; bleachers; and all products and components not specifically listed above, including, without limitation, all moving parts and flexible climbers.

- 12. LIMITED SIX (6) MONTH WARRANTY on sewn fabric components on Early Childhood products against failure due to defects in materials or workmanship.
- 13. These limited warranties do not protect against color fade (except for Play Cover (R), as noted above), or damage due to excessive wear and tear, vandalism, or negligence. These warranties are valid only if products are installed and maintained according to manufacturer's installation and maintenance instructions.
- 14. All warranties begin to run on the date of Miracle's invoice. Repaired or replacement part(s) are warranted only for the balance of the original limited warranty.

BUYER'S REMEDY: If any products prove to be defective or non-conforming under normal use and within the above-prescribed warranty periods, Buyer must promptly notify Miracle in writing at P.O. Box 420, Monett, MO 65708 USA. Miracle will within a reasonable time and in its sole discretion repair or replace such defective or non-conforming product by providing replacement products or part(s) free of charge to the site. Miracle's limited warranties do not cover the cost of labor to remove defective or non-conforming part(s) or to install repaired or replacement part(s).

These limited warranties apply only to Miracle products that are erected in conformance with Miracle's installation instructions and maintained and inspected in conformance with Miracle's maintenance and operational instructions. These limited warranties specifically do not cover Miracle products: that have been modified, altered, or misused, that have not been used as designed or intended to; to which non-Miracle parts have been added or substituted; or that have been damaged due to vandalism, abnormal use, or abuse. Buyer, by acceptance and use of these limited warranties, waives any rights it would otherwise have to claim or assert that this limited warranty fails of its essential purpose. Buyer agrees that yenue for any court action to enforce these limited warranties shall be in Barry or Greene Counties in the State of Missouri.

EXCEPT AS EXPRESSLY WARRANTED HEREIN, MIRACLE EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THOSE ARISING BY STATUTE OR OTHERWISE IN LAW OR FROM COURSE OF DEALING OR USAGE OF TRADE. IN NO EVENT SHALL MIRACLE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, WHETHER BASED UPON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION, CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES OR OTHER PECUNIARY LOSS).

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of items listed in bold type.

• KIDS' CHOICE MIRA-THERM2 DECKS: The deck models in the 714-50X-9 series shall consist of a (3) sided equilateral triangle deck: Model # 714-501-9, with a deck top surface area of 7 sq. ft. (1008 sq. in.); a (4) sided square deck: Model # 714-502-9, with a deck top surface area of 16 sq. ft. (2304 sq. in.); (4) sided (3) opening half hex decks: Model #s 714-503-9 and 714-504-9, with a deck top surface area of 21 sq. ft. (3024 sq. in.); a) sided (6) opening rectangular decks: Model #s 714-508-9, 714-509-9 and 714-510-9, with a deck top surface area of 32 sq. ft. (4608 sq. in.); a (5) sided pentagon deck: Model # 714-512-9, with a deck top surface area of 23.8 sq. ft. (3427 sq. in.); an (8) sided octagon deck: Model # 714-519-9, with a deck top surface area of 60 sq. ft. (8640 sq. in.); (4) sided (6) opening parallelogram decks: Model #s 714-505-9, 714-506-9 and 714-507-9, with a deck top surface area of 28 sq. ft. (4032 sq. in.); and a (7) sided heptagon deck: Model # 714-517-9, with a deck top surface area of 55 sq. ft. (7,920 sq. in.).

Model #714-511-9 shall be an isosceles triangle split deck (single section) designed to serve as a step platform for lower deck heights: 18" or lower for 2-5 year olds, and 30" or lower for 5-12 year olds. All other Model #714-511-X9 split decks shall feature two triangular deck sections which shall be mounted between four posts at different heights so that a 6", 12", 18", or 24" (X) rise shall be formed along the hypotenuse between two posts. Models which rise greater than 12" shall also contain an arched enclosure assembly. The deck top surface area of split deck models shall be 8 sq. ft. each for both sections, or total 16 sq. ft. Riser plates shall be constructed of 11 ga. A-60 Galvannealed sheet; risers for 18" and 24" rises shall contain a rung and vertical supports of 1" tube, solid welded, all finished in Mira-Cote. The arch enclosure assembly accompanying models which rise 18" and 24" shall comprise top and bottom supports and an arched upright constructed of 1" pipe, drilled, formed and mashed, all solid welded, and vertical rungs of 1" tube, with plastic pipe plugs inserted in open ends, and finished in Mira-Cote.

Decks shall be designed for maximum flexibility in height of deck surface, from 0" to 6'-6" (in 6" increments.) though 3', 5' and 6'-6" shall be considered standard heights. Decks shall be designed on a 48" center-to-center spacing on 5" deck posts, at equal or varied heights. All deck-to-post connections shall be made with a deck support clamp. All deck connections shall be made beneath deck with no exposed fasteners on deck perimeter. Decks with 8' wide open side shall be designed to attach to another deck with 8' wide open side at same deck height, or to a Model # 714-770-6 Flippopotamus Slide/Climber.

All decks shall be constructed with folded 11 ga. steel sheet forming 3" tall sides. Decking sheets shall be perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The decking shall have 7 ga. by 2" flat steel braces and corner braces of 7 ga. steel. The entire assembly shall be solid **welded** prior to polyvinyl coating. Each assembly shall contain **Versalok Fasteners** and **Fastener Style A** hardware. All deck surfaces shall be coated in **Mira-Therm2** or **Mira-Therm PE**.

- KIDS' CHOICE STEEL POSTS each shall be constructed of 5" tube with a 5" round end cap pressed into its top end. Post and end cap shall have a Mira-Cote finish.
- CHAMELEON SLIDE SYSTEM shall be a componentized, modular slide assembly system designed to provide maximum configuration versatility. The slides, which can be configured from left, right, or straight sections, shall be constructed of double wall Rockite that shall have a 23" bedway width and 11-1/2" high sidewalls. These slides shall be designed to attach to 3' 4', 5', 6', 6'-6", and 8' decks. The entry and exit sections

also shall be **Rockite**. The Kids' Choice entry panel shall be supported by a rung of **1" pipe**. The Tots' Choice entry panel shall be supported by a two-piece rung assembly of **1" pipe**. The Tots' Choice 42" x 3-3/8" fill block shall be constructed of 11 ga. black sheet steel, formed and solid **welded**. The "T" front leg shall be constructed of a vertical **2" pipe** and a horizontal 1/4" x 3" flat steel plate, solid **welded**. Support legs shall be constructed of **2" pipe** with a mounting bracket of 7 ga. sheet, solid **welded**. The support rung, front leg, and support legs shall have a **Mira-Cote** finish. The fill block shall have a **Mira-Therm PE** finish. The **Rockite** slide sections shall have color molded in.

- MOGUL & GROOVE SLIDES shall be one-piece wave and straight slides respectively, with a sil-down canopy for deck attachment. Mogul and Groove Slides shall be designed to attach to decks of several heights with corresponding bedway lengths: 4' deck models shall have bedways 8'-6" long; 5' deck models shall have bedways 10'-6" long; 6'-6" deck models shall have bedways 13'-6" long; and 8' deck models shall have bedways 16' long. The one-piece slides and canopy shall be constructed of double wall Rockite and shall have 6" high side rails with a 26" long exit bedway, an overall width of 25", and an 18" wide sliding surface. The rung for canopy panel attachment shall be constructed of 1" pipe. The front leg and middle leg each shall be constructed of a vertical 2" pipe welded to an 11 ga. A-60 Galvannealed mounting bracket. The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The legs, rungs and clamps shall have a Mira-Cote finish. The Rockite slides and canopy shall have molded in color.
- BUNNY HILL SLIDE shall be an open bedway, Rockite slide for 3' deck attachment with a bedway approximately 5' long. The dimensions shall be: bedway width, 31-1/4"; outside overall, 40"; rail width, 3-5/8"; top of bedway to top of rail, 6-1/2"; and bedway thickness, 4-1/2". The "T" front leg shall be constructed of a vertical 2" pipe and a slotted 3-1/2" horizontal channel constructed of 11 ga. sheet, solid welded. The wide slide canopy shall be constructed of Rockite with threaded fasteners incorporated internally for assembly. The canopy shall have an inside width of 39" and an outside width of 44" and shall be slanted at 37 degrees. It shall be field assembled to the posts via clamps and a rung of 1" pipe. The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The Rockite slide and canopy shall have color molded in. The leg and clamps shall have a Mira-Cote finish.
- MIRA-THERM2 SQUARE TRANSFER POINTS shall be designed to assist disabled users gain access to and egress from a deck system. The stair assembly shall be constructed of 11 ga. steel stringers solid welded to 11 ga. steel sheet decking that is perforated in a stangered pattern of 3/8" diameter holes at 5/8" apart center-to-center. Approximate dimensions of stair assembly shall be 26" overall width, 14" deep step tread and 8" high step rise. The 26" square (approximate) transfer point shall be constructed of 11 ga. steel sheet folded to form approximately 3" high sidewalls. The decking shall be perforated as described above. It shall be reinforced with cross braces of 3/16" x 2" HR flat solid welded. The bottom step shall be constructed of 11 ga. steel sheet (with folded edges) perforated as described above. The step shall be approximately 26" wide by 14" deep by 6-1/2" high. Kids' Choice deck enclosures shall be constructed of formed 1" pipe, including a welded upright of the same material. Tots' Choice deck enclosures shall be constructed of 1" pipe and a formed and welded upright of 1" tube. Each deck enclosure assembly shall be drilled for field assembly of a stair handrail, and shall have its bottom end mashed and punched for field assembly to deck. Stair handrail assemblies shall be welded upper and lower handrails of formed 1" pipe. Closed handrails shall contain vertical uprights of 3/4" x 1" oval tube welded within. Swaged handrail extensions for field assembly to handrails shall be constructed of 1" pipe. A transfer deck handrail constructed of formed 1" pipe shall be field assembled to one handrail newel upright and transfer point deck edge. Models designed for assembly to 5' and 6' or 6'-6" decks shall contain handrail sleeve supports constructed of 1-1/4" pipe, 10 ga. The "U"-shaped transfer step handrail shall be formed 1" pipe, drilled for field assembly to transfer point deck and bottom step. Its apex shall be 36-1/8" from finished grade. The rung leg shall be 1" pipe with ends mashed and punched for field assembly to bottom step. The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The stairs, bottom step, and transfer point deck shall be finished in Mira-Therm2 or Mira-Therm PE. The deck enclosures, handrails, extensions, sleeves, leg and clamps shall be finished in Mira-Cote.
- VINE CLIMBERS AND TWISTED VINE CLIMBERS shall feature horizontal rungs on a vertical rail field-assembled to an arched entry deck enclosure. The rungs shall contain a routed leaf design and shall ascend the climber on opposite sides of the rail for Vine Climbers, or slightly offset to wind upward around the rail for Twisted Vine Climbers. The climber rail shall be constructed of 1-1/4" pipe, 10 ga. with mounting plate support tubes of 1" tube solid welded, and mounting plates of 7 ga. galvanized also solid welded. Closing support stub ends shall be plastic pipe plugs. The rail's top end shall be swaged and shall have a threaded aluminum insert factory-installed. Leaf pads shall be constructed of Mira-Lene and routed with an oak leaf design. The arch enclosure assembly shall comprise top supports, an arched upright, and extension tube sleeve, all contain Versalok Fasteners and Fastener Style A hardware. The climber rail with support tubes and mounting plates and arched entry enclosure shall be finished in Mira-Cote. The leaf pads shall have color molded in.
- CLIMBING WALLS, VERTICAL AND SLOPED (KIDS' CHOICE & TCX ONLY) shall consist of an arch entry deck enclosure and panel sections with climbing holds fastened to a steel frame. The rails and archway of the enclosure assembly shall be constructed of 1" pipe, with vertical rungs of 1" tube, solid welded. The panels shall be constructed of high density polyethylene sheets. The climbing holds shall be constructed of molded sand and polyester resin mixture. The frame shall comprise vertical outer rails (which serve as legs) constructed of 2" square tube, solid welded to horizontal support rails of 1-1/2" square tube and 11 ga. galvanized 1-1/2" x 3" rectangular tube. The fill block shall be folded 11 ga. steel sheet, perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart, center-to-center, solid welded with 7 ga. by 2" flat steel braces. TCX Model # 704-757-26, and Model # 704-757-28 shall be solid welded with 11 ga. x 2" flat steel braces. TCX Mode # 704-757-34 shall be solid welded with 11 ga. The assembly shall contain Versalok Fasteners and Fastener Style A hardware. The enclosure, frame, and clamps shall have a Mira-Cote finish. The fill block shall be finished in Mira-Therm2 or Mira-Therm PE.
- MIRA-THERM2 WIDE BURMA BRIDGES shall provide a means of traversing from one deck to another of equal height. The 8' model (714-723-W9) shall comprise one bridge section, spoked handrails and clamps, the 4' model (714-723-4W9) shall comprise one bridge section, spoked handrails, and clamps, and the 12' model (714-723-12W9) shall comprise two bridge sections, spoked handrails and clamps. The 7'-10 1/2" model (704-723-W9) shall comprise one bridge section, spoked handrails and clamps. The 11'-10 1/2" model (704-723-12W9) shall comprise two bridge sections, spoked handrails, and clamps. Each bridge section, measuring approximately 22" wide by 6' or 8', shall be constructed with 11 ga. steel sheet perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The ramp frame shall be constructed by folding edges

to form 3" tall walls and shall be supported by solid **welded** braces of 3/16" x 2" flat. Each handrail assembly shall be constructed of top and bottom rails with spoked infill, bolting tabs, and curved end rails with spokes, all solid **welded**. The bolting tabs shall be constructed of 7 ga. **A-60 Galvannealed** sheet. The top and bottom rails for Model #s 714-723-W9 and 714-723-12W9 shall be constructed of 1" **pipe** with spokes of 3/4" x 1" **oval tube** and endrails of 1" **tube**. The top and bottom rails for Model #s 704-723-W9 and 704-723-12W9 shall be constructed of 1" **pipe** with spokes and endrails of 1" **tube**. The assembly shall contain **Versalok Fasteners** and **Fastener Style A** hardware. The bridge sections shall be finished in **Mira-Therm2** or **Mira-Therm PE**. The handrails and clamps shall be finished in **Mira-Cote**.

- 30" I.D. ROCKITE CRAWL TUBES shall contain viewing holes and shall be designed to provide children a fun and challenging means of traversing from one deck to another. All pieces of the crawl tube assembly shall be constructed of Rockite with a 30" inner diameter. Elbows shall have a 22" centerline radius. Tube-to-tube connections shall have a Rockite flange cover. The bedway shall have no exposed internal fasteners. The tube joints shall be externally flanged and overlapping, with a 1" wide flange. The entry panels shall be Rockite and shall measure 47" x 38". The wall thickness shall be approximately 1/4". Support legs shall be die-formed of 1-1/4" pipe. The panel rungs shall be constructed of 1" pipe and shall measure 41". Each assembly shall contain Versalok Fasteners and Fastener Style A hardware. The panel rungs, support legs, and clamps shall have a Mira-Cote finish. Rockite tubes, panels and flange covers shall have color molded in.
- CYLINDER PANELS shall contain nine cylinders in rows and columns of three which spin independently of one another. Each cylinder shall contain two molded-in graphic images on opposite sides which may be aligned with other cylinders to complete a targer image, a series, a word, or an academic exercise. Kids' Choice models shall include enclosures. The panel shall be constructed of Rockite with all corners rounded and shall have cylinder assemblies factory-installed using tamper-proof hardware. The panel assemblies for the Tots' Choice above-deck models shall contain three mounting tabs of 11 ga. A-60 Galvannealed welded to the assembly for field attachment to decks. Each cylinder shall be constructed of Rockite with molded-in graphics on two "sides." Cylinder axles shall be constructed of 1" pipe. Enclosures for Kids' Choice models shall each consist of a vertical upright and horizontal stubs of 1" pipe solid welded, drilled and formed. All Versalok Fasteners for deck and component attachment shall be aluminum alloy. All hardware shall be Fastener Style A. The Rockite panel and cylinders shall have color molded in. The Versalok Fasteners.
- MAGIC BALL POPPER PANEL shall contain a clear bubble on one side and on the other a clear sheet and steering wheel which shall turn an internal paddle and a quantity of multi-colored balls. The Magic Ball Popper Panel shall be constructed of Rockite measuring 36" x 38" x 15" with all corners rounded. One side shall contain a clear bubble as described above. The other side shall contain a window of clear polycarbonate sheet. Both shall be fastened to the panel at the factory using tamper-proof screws and flat washers. The window shall hold a steering wheel constructed of H.D.P.E. Black with mounting bracket of hot rolled steel strip, which shall drive a shaff of zinc coated cold finished steel round to be mounted to the bubble, facilitating turns of a paddle device of polyethylene inside the assembly. The paddle shall contain two 4" holes allowing for stirring, spinning, belancing and passage of 3" diameter polyurethane balls of several colors. All hardware shall be Fastener Style A. All Versalok Fasteners for deck and component attachment shall be aluminum alloy. The panels shall have molded-in color. The enclosure uprights and Versalok Fasteners shall have a Mira-Cote finish.
- IMAGINATION PANELS and Activity Panels shall be constructed of Mira-Lene and shall measure 36-1/2" x 40" with all corners rounded. The panels shall have routered designs, including themes of a space ship panel, general store counter, a barn wall panel, a barn door panel, a barn window panel, a bank teller window, a television front, a puppet stage, a window, a computer screen, a door, a park ranger, a fire truck, a police car, a train engine, a taxi cab, two airplanes (both containing two steering wheel assemblies, one also containing a clear polycarbonate window mechanically fastened to panel), a race car, an alphabet finger maze, an abstract finger maze, a calculator, a bus stop/bench, a rest stop/bench, jump height measurements for a 3' and 5' deck, a sign language alphabet, a Spanish-English translation, braille alphabet with riddles, a drum penel, welcome and age appropriate messages, interconnected gears, gear-driven pistons, and sliding tiles. Rung brackets shall be constructed of 1" pipe and 11 ga. A-60 Galvannealed tabs solid welded (except Tots' Choice models which shall have brackets constructed of 1" tube and 11 ga. A-60 Galvanneated tabs solid welded.) The star brackets for the space ship panel shall be constructed of 11 ga. HRPO steel and powder coat painted. The steering wheel(s) on vehicle themed panels shall be constructed of a high-density blow molded polyethylene produced from high performance, U.V. stabilized resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505. D-1248, D-1693(b), D-638, D-790 and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain U.V. light stabilizers. The Piston panel and Gear panel each shall contain a clear polycarbonate cover mechanically fastened over sets of 1/4" thick gears (drive gears not covered by window). The gears shall be constructed of high-density polyethylene, which shall turn on nylon bushings, except for the black nylon handles and drive gears which shall turn on bronze bushings. The piston panel shall also contain connecting rod and piston shapes of 1/4" thick high-density polyethylene. The reverse side of both panels shall contain routered text and/or designs. The Sliding Tile panel shall contain 15 moveable, tongue-and-groove tiles with routed numerals to be constructed of 1/4" thick high-density polyethylene. The panels and steering wheel shall have molded in color with each panel assembly having a laminated, twocolor scheme. Calypso drum panel shall contain 3 rotational molded drums of low density polyethylene resin. Each drum shall be attached to the panel through a cover plate constructed of 11 ga. galvanized steel sheet with a Mira-Cote finish. Each assembly shall include Fastener Style A hardware and Versalok Fasteners. Panels and steering wheels shall have color molded in, and rung brackets and clamps shall be finished in Mira-Cote.
- DELIGHT-O-SCOPE TELESCOPE AND BINOCULARS (POST MOUNTING) shall stimulate creative play and provide visual experiences for users and shall be designed for mounting atop deck posts. The telescope features reflective facets set within the tube to offer a kaleidoscopic view, while the binocular model contains parallel tubes that constrain the user's field of vision to simulate a "search" effect, though neither model contains magnifying elements. They rotate 360 degrees horizontally and vertically between -45 and 45 degrees. The factory-assembled telescope and binocular models shall comprise a Rockite form fastened to a support bracket of 11 ga. zinc-plated connected via bronze bushing to a 5-1/8" diameter mounting plate of 11 ga. zinc-plated welded to a 3-3/4" long mounting stub of swaged 5" tube (Kids' Choice) or swaged 3-1/2" tube (Tots' Choice) for field assembly into top end of deck post. The telescope form shall contain angular segments of mirror acrylic sheet mounted within, a clear acrylic cover at the viewpiece, and a transparent cover of polycarbonate sheet connected at the large end. The binocular form shall contain

acrylic tube with a clear acrylic end at the eye piece and a color finted end on the large mount end. A clear polycarbonate protective cover shall be fastened on the mount side with 1/4-20 fasteners. The 76" long post utilized in freestanding Kids' Choice models shall be constructed of 5" tube, 11 ga. (for Model # 714-961-1 and # 714-961-2) or 5" tube (for Model # 714-961-13 and # 714-961-23). The 70" long post utilized in freestanding Tots' Choice models shall be constructed of 3-1/2" tube. Each assembly shall contain Fastener Style A hardware. The Rockite form shall have color molded in. The bracket, mounting plate, and post shall be finished in Mira-Cote.

- FUN FONE shall consist of a simple tube and mouthpiece system designed to allow children to talk to each other from a given distance. The mouthpiece support tube assembly shall be constructed of 2" Sch 40 pipe. The mouthpiece shall be made of 16 ga, galvanized steel sheet. The connecting stub shall be made of 1" pipe. The tube assemblies shall be solid welded. The 1" I.D. tube shall be 50' long and constructed of polyethylene. The steel post for Model # 714-994-1 shall be constructed of 5" tube, 11 ga. The aluminum post for Model # 714-994-12 shall be constructed of 5" aluminum tube. The steel post for Model # 714-994-13 shall be constructed of 5" tube. Each shall have a 5" round end cap pressed into its top end. The post shall measure 76" long before the end cap. Some Tots' Choice models shall contain a 70" post (before endcap) of 3-1/2" tube or 3-1/2" aluminum tube with 3-1/2" round end cap for field attachment of Fun Fones. The posts and Fun Fone tube assembly shall have a Mira-Cote finish.
- BELL, POST MOUNT shall be designed to provide noisy, imaginative play to any pre-existing deck post. The Bell Assembly shall consist of a
  Bell, A Bell Support, a 6-link Chain, and eyebolt, and Fastener Style A hardware. The Bell shall be constructed of A-60 Galvannealed. The Bell
  Support shall be constructed of 1" pipe, Gator Grip. The Bell Chain shall be constructed of 4/0 straight link coil chain. The Bell shall have a
  Mira-Cote finish.

## Technical Data for Processes and Finishes of the Highlighted Items

- aluminum alloy conforms to the following: ASTM 356, ANSI 322, Chrysler MS 2417 and General Motors GM 4323-M. Parts or components constructed of aluminum alloy are either sand cast or die cast. Sand cast aluminum alloy is 319 with tensile strength of 27,000 p.s.i. and yield strength of 18,000 p.s.i. Die cast aluminum alloy is 383.1 with tensile strength of 45,000 p.s.i. and yield strength of 22,000 p.s.i.
- 4/0 straight link coil chain is not dipped galvanized with a 670 pound working load limit. All chain shall be manufactured to ASTM A467-86A Class CS specifications.
- Mira-Therm2 coated chain is a welded chain with links sufficiently wide to allow them to pass one another freely, eliminating the tendency to kink. The links are low carbon zinc plated steel with a polyvinyl chloride coating.
- Versalok Fasteners (R) are cast aluminum alloy. Each fastener consists of two die cast aluminum alloy "half ring" pieces, which were designed to fasten onto the round posts by use of a male/female interlock. For 3-1/2" post, outside dimension of the completed fastener (joined "half-rings") is 5". For 5" post, outside dimension of the completed fastener is 6-1/2". Rungs and components connect to clamps on posts by means of die cast aluminum alloy, two-piece socket receptors which may be assembled to a previously-installed clamp ring and secured to the clamp and component by set screws (and tek screws in some cases). Decks connect to clamps on posts by means of die cast aluminum alloy, one-piece deck support castings. The clamp assembly and socket receptor have a Mira-Cote finish. Kids' Choice components with 2" pipe mounting points attach to 5" posts using aluminum alloy sand cast header supports.
- 3-1/2" round end cap is die cast aluminum alloy.
- · 5" round end cap is die cast aluminum alloy.
- Fastener Style A is a corrosion resistant, 18-8, stainless steel, vandal resistant fastener.
- Flo-Coat (R) is a patented triple coat corrosion protection process of Allied Tube and Conduit's Mechanical Tube Division, wherein steel pipe or tube first receives a hot-dipped uniform zinc galvanized coating followed by a conversion coating followed by a clear, high performance organic polymer coating. The interior of the tube has an 81% minimum zinc rich primer applied, capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out after welding. Flo-Coat processed tube exceeds the test results of galvanized Sch 40 pipe in salt spray tests conducted in accordance with ASTM B-117. The term "Flo-Coat" is a registered trademark of Allied Tube and Conduit, used with permission.
- GATOR GRIP (TM) is a three dimensional textured pattern exclusive to Miracle, embossed in steel to a depth of .014" to .017".
- A-60 Gatvanneated indicates that a coating of .60 ounces of zinc per square foot alloyed with substrate steel has been applied on each surface side.
- Mira-Cote (TM) is a Super Durable formulation of a polyester powder coating finish that is applied to a thickness of 3-5 mil. This finish gives metal parts long term protection from chipping, fading and peeling. Miracle's finishing system washes the metal parts with detergent and etches the metal for optimum adhesion. The part is then rinsed clean with water. Next the part is coated with a non-chromic sealer and dried. The Mira-Cote

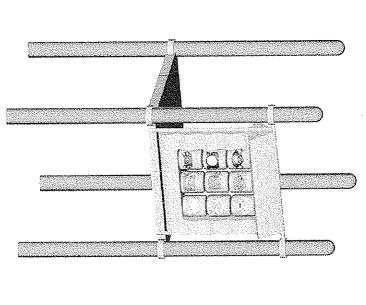
powder is then applied electrostatically to the metal part. The metal parts are then baked at a high temperature to fuse a hard, smooth durable finish to the metal. Mira-Cote has an impact value of 160 in. lbs., flexibility value of 180 degrees-1/4" mandrel, shore hardness value H and a crosshatch adhesion of 100%. Mira-Cote is tested in accordance with ASTM D-792, D-523, D-2794, D-1737, D-3363, D-3359 (b), B117 and D-2247. Mira-Cote will withstand over a 1,500 hours of salt spray exposure and 1,500 hours of weatherometer testing with minimal loss of gloss and color.

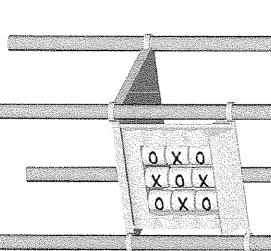
- Mira-Lene (TM) is compression-molded, 3/4" thick, high density polyethylene that has been specifically formulated for optimum U.V. stability and color retention. Compression-molded products have a density of .952 g/cm3 per ASTM D1505 and tensile strength of 3900 PSI per ASTM D638.
- Mira-Therm PE is a non-toxic copolymer polyethylene coating applied to a thickness of 1/16". Mira-Therm PE contains U.V. light stabilizers, anti-microbial additives and color pigments. Mira-Therm PE contains no orthopthalates or other banned substances. Mira-Therm PE is a proprietary brand of PE coating. Materials are tested in accordance with ASTM D-638, ASTM D-412, ASTM D-2240 and ASTM D-1004. Mira-Therm PE meets the FMVS 302 flammability rating, the requirements of California State Law and the 2008 CPSI Act.
- pipe sized tube is 1010 hot rolled, Flo-Coat, galvanized pipe manufactured from steel, cold formed and high frequency induction welded continuously. It conforms to ASTM A-135 and ASTM A-500 and is tested in accordance with ASTM E-8.
- schedule 40 gatvanized pipe consists of a hot dip process of coating the pipe inside and out with not less than 1.6 ounces per square foot with an average of 1.8 ounces per square foot. Schedule 40 pipe conforms to ASTM standards A-53.
- 1" pipe is GATOR GRIP embossed 14 ga., 1" pipe sized tube (1.315" OD; approx. 1-5/16" OD.)
- 1-1/4" pipe is 13 ga., 1-1/4" pipe sized tube (1.660" OD; approx. 1-11/16" OD.)
- 1-1/4" pipe, 10 ga, is 10 ga., 1-1/4" pipe sized tube (1.660" OD; approx. 1-11/16" OD.)
- 2" pipe is 12 ga., 2" pipe sized tube (2.375" OD; approx. 2-3/8" OD.)
- 2" Sch 40 pipe is 2" schedule 40 galvanized pipe (2.375" OD; approx. 2-3/8" OD.)
- plastic pipe plugs are injection molded polypropylene containing U.V. light stabilizers.
- Rockite (R) (Rotational Molded Polyethylene) is a low density polyethylene produced from high performance, U.V. stabilized rotational molding grade resins with a comprehensive additive package. These resins are tested in accordance with ASTM testing procedures D-1505. D-1248, D-1693(b), D-638, D-790 and D-746. Resin's properties exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness of molded components is 3/16" to 1/4".
- round tube is fabricated of 1010 hot rolled, Flo-Coat, galvanized tube manufactured from steel, cold formed and high frequency induction welded continuously. It conforms to ASTM A-135 and ASTM A-500 and is tested in accordance with ASTM E-8. The minimum mechanical properties of the tube are yield strength of 50,000 p.s.i. and tensile strength of 55,000 p.s.i.
- square tube is fabricated of 1010 hot rolled, **Flo-Coat**, galvanized tube manufactured from steel, cold formed and high frequency induction welded continuously. It conforms to ASTM A-135 and ASTM A-500 and is tested in accordance with ASTM E-8. The minimum mechanical properties of the tube are yield strength of 50,000 p.s.i. and tensile strength of 55,000 p.s.i.
- 3-1/2" aluminum tube is a 3.5" O.D. (125 wall) aluminum post that receives a five stage oxidation wash prior to painting. This 6005-T5 alloy and temper extruded aluminum tube conforms to ASTM-B-221 and QQ-A-200/8 with yield strength of 35,000 p.s.i. and tensile strength of 38,000 p.s.i.
- 5" aluminum tube is a 5" O.D. (.125 wall) aluminum post that receives a five stage oxidation wash prior to painting. This 6005-T5 alloy and temper extruded aluminum tube conforms to ASTM-B-221 and QQ-A-200/8 with yield strength of 35,000 p.s.i. and tensile strength of 38,000 p.s.i.
- 3/4" x 1" oval tube is 15 ga. wall. It is fabricated of 1008 hot rolled, Flo-Coat, galvanized tube manufactured from steel, cold formed and high frequency induction welded continuously. It conforms to ASTM A-135 and ASTM A-500 and is tested in accordance with ASTM E-8. The minimum mechanical properties of the tube are yield strength of 50,000 p.s.i. and tensile strength of 55,000 p.s.i.
- 1-1/2" square tube is 16 ga., 1-1/2" square tube.
- 1" tube is 1" OD, 15 ga, fluted round tube, it conforms to ASTM A-500.
- 3-1/2" tube is 3-1/2" OD, 13 ga. round tube. It conforms to ASTM A-500.

- 5" tube is 5" OD, 13 ga. round tube. It conforms to ASTM A-500.
- 5" tube, 11 ga. is 5" OD, 11 ga. round tube. It conforms to ASTM A-500.
- welded refers to welds that are made by certified welders, tested in accordance with AWS D1.1-94, structural welding code specifications for steel. Welds conform to AWS A5.17 ASME SFA-5.17 EML3K and AWS A-5.18ER70S-3 ASME SFA-5.18 ER70s-3 LE332- C and LE-559-L.
- Specification Policy: Specifications were current at the time of publication. Miracle Recreation Equipment Company has a policy of ongoing product improvement and therefore reserves the right to modify specifications or discontinue products without notice.

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Officer Puzzle Panel





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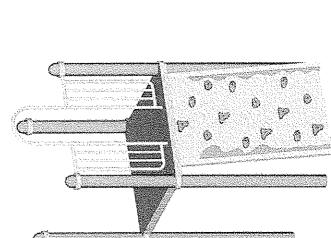
714-763-3 and 714-763-4

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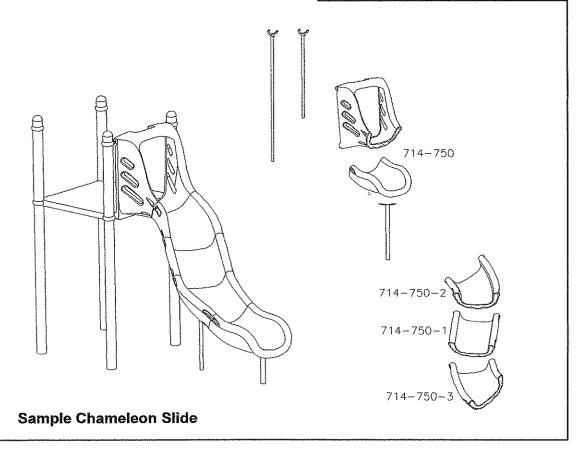
714-728-5 Bump & Glide Slide from 4'-6" to 5'-6" Deck **Bunny Hill Slide from 3' Deck** 714-736

Page 1 of 2



## Product Specifications Chameleon Slides System

## Chameleon Slide Components



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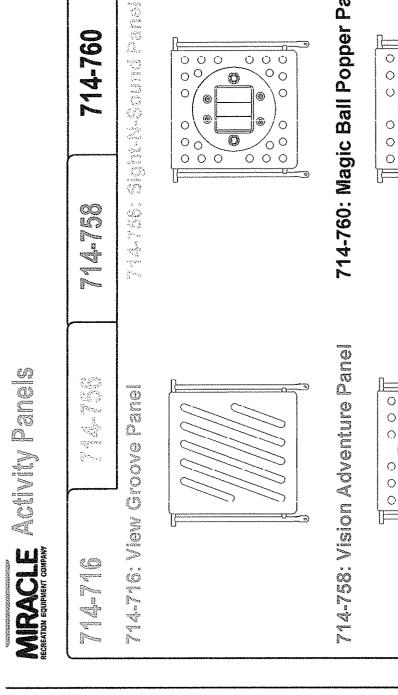
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10 additional panel models



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Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.  $\hat{\mathcal{N}}_{i}^{1}$ 

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Rev. F

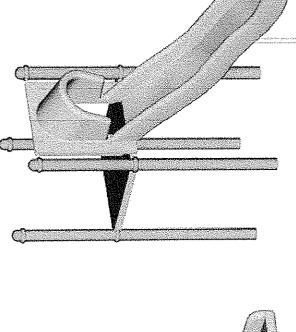
## Product Specifications

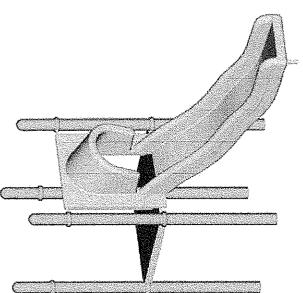
Kids' Choice®

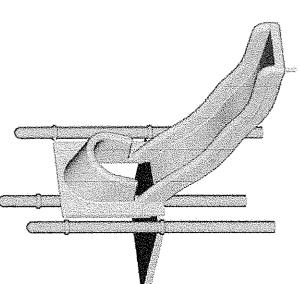
Mogul Slides and Groove Sides from 4', 4'-6" to 5'-6", 6'-6" and 8' Decks

Groove Slides shown below

Mogul Side from 4'-6' to 5'-6" Deck







714-726-4 and 714-726-5

Wogu Slide fon 4 Deck

Rev. B

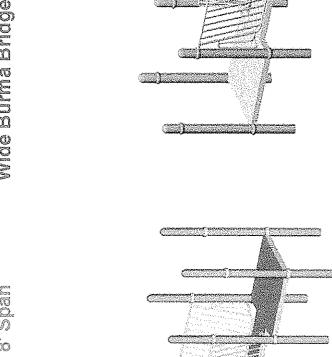
## Product Specifications Kids' Choice" - Mira-Therm II

Wide Burma Bridge - 8' Span, 4' & 12' Span

714-723-WS and 714-723-4W9

Wide Burna Bridge, 8' Span

Wide Burma Bridge, 4' Span

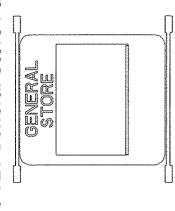




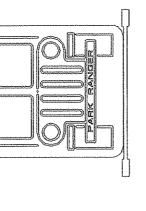
WIRACLE Kids' Choice®
RECREATION EQUIPMENT COMPANY IMagination Panels & Activity Panels - Below Deck

714-713-7B: General Store Panel

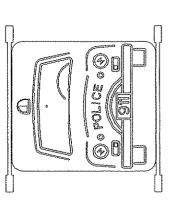
714-714-1B: Park Ranger Panel



714-714-2B: Fire Truck Panel

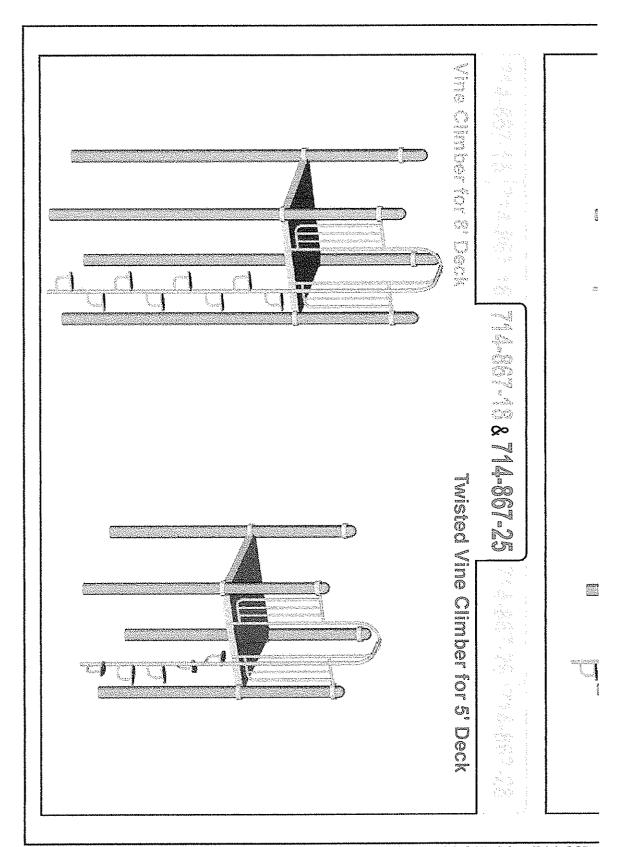


714-714-3B: Police Panel



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PIRE DEP



714-867-15, 714-867-18, 714-867-18, **714-867-25, 714-867-26, 714-867-**:

Kids' Choice®

# NIRACLE Delight-O-Scope Telescope & Sincular Server Freestanding & Deck Post Mounting

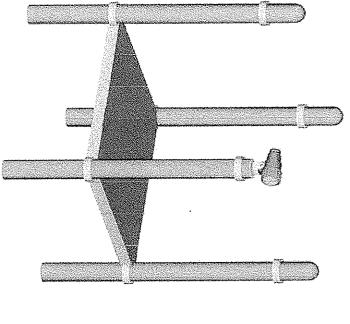
714-961-1, 714-961-13\* & 714-961-P1

Delight-O-Scope Telescope,

Treestanding

\* Wodel # 714-961-13 Delight-O-Scope Telescope, Freestanding not shown. Appearance is identical but material specifications differ.

Mounting Delight-O-Scope Telescope, Deck Post



NIRACLE 30" I.D. Crawl Tubes

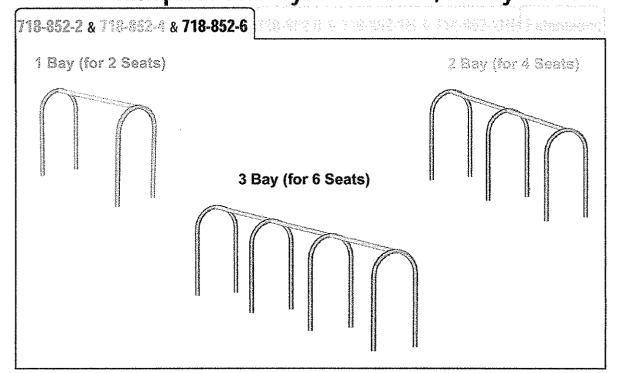
# 714-873-8 Inclined Clawl Tube, 8' long, 2' Rise icined Caw Tube, 12 ong, 2 Rise \* 12.873.12 714-873-8, 714-873-10 & 714-873-12 noined Craw Tube, 10 long, 2 Rise \*714-873-10



## **Product Specifications**

Tots' Choice®

MIRACLE Arch Swing Frames - 1 Bay, 2 Bay, 3 Bay, 4 Bay, Therapeutic Seat Bays & Extensions, & 1 Bay Extension



4 Bay (for 8 Seats)

Arch Swing Frame
Therapeutic Swing Seat

1 Bay (for 2 Seats)

## Rev. N

## Product Specifications

MRACLE Swing Seats

