



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

Request for Quotation

RFQ NUMBER
DNR209116

PAGE
1

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

VENDOR

*709054414 304 263 7857
 TAYLOR SPORTS & RECREATION
 PO BOX 1706
 MARTINSBURG WV 25402

SHIP TO

DIVISION OF NATURAL RESOURCES
 KANAWHA STATE FOREST
 ATTN: PARK SUPERINTENDENT
 ROUTE 2, BOX 285
 CHARLESTON, WV
 25314 304-346-5654

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
04/23/2009	30 DAY	MIRACLE	DESTINATION	PREPAID

BID OPENING DATE: 05/26/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		\$161,812. ⁰⁰
PLAYGROUND EQUIPMENT (NOT OTHERWISE CLASSIFIED) THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS FROM RESPONSIBLE VENDORS TO PROVIDE LABOR AND MATERIAL FOR THE CONSTRUCTION OF PLAYGROUND EQUIPMENT AT KANAWHA STATE FOREST PER THE ATTACHED SPECIFICATIONS. A MANDATORY PRE-BID MEETING WILL BE HELD ON MAY 4, 2009 AT 10:00 AM AT THE PARK HEADQUARTERS. FAILURE TO ATTEND THE MANDATORY PRE-BID MEETING WILL RESULT IN BID DISQUALIFICATION. AN INDIVIDUAL MAY NOT REPRESENT MORE ONE FIRM AT THE MANDATORY PRE-BID MEETING. TECHNICAL QUESTIONS MAY BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV DEADLINE FOR TECHNICAL QUESTIONS IS 05/07/09 @ 3:00 PM ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE. THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATION						\$161,812. ⁰⁰

RECEIVED
 2009 MAY 26 AM 11:58
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Thomas C. Mel</i>	TELEPHONE 304-744-6548	DATE 5-26-09	
TITLE Regional Rep	FEIN 55-0778347	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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<p>IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS. EXHIBIT 5</p> <p>WEST VIRGINIA CODE 21-1D-5 PROVIDES THAT: ANY SOLICITATION FOR A PUBLIC IMPROVEMENT CONSTRUCTION CONTRACT REQUIRES EACH VENDOR THAT SUBMITS A BID FOR THE WORK TO SUBMIT AT THE SAME TIME AN AFFIDAVIT OF COMPLIANCE WITH THE BID. THE ENCLOSED DRUG-FREE WORKPLACE AFFIDAVIT MUST BE SIGNED AND SUBMITTED WITH THE BID AS EVIDENCE OF THE VENDOR'S COMPLIANCE WITH THE PROVISIONS OF ARTICLE 1D, CHAPTER 21 OF THE WEST VIRGINIA CODE. FAILURE TO SUBMIT THE SIGNED DRUG-FREE WORKPLACE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF SUCH BID.</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 90 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN.</p> <p>WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAG RATES AS ESTABLISHED FOR KANAWHA COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT)</p> <p>ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST</p>						

SIGNATURE <i>Thomas C. Hill</i>	TELEPHONE 304-744-6548	DATE 5-26-09
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<p>REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> <p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>() BUILDERS RISK INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF BUILDERS RISK - ALL RISK INSURANCE IN AN AMOUNT EQUAL TO 100% OF THE AMOUNT OF THE CONTRACT.</p> <p>(XX) BONDS: FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID PAYABLE TO THE STATE OF WEST VIRGINIA, SHALL BE SUBMITTED WITH EACH BID AS A BID BOND. THE SUCCESSFUL BIDDER SHALL ALSO FURNISH A PERFORMANCE BOND AND LABOR MATERIAL BOND FOR 100% OF THE AMOUNT OF THE CONTRACT. BONDS MAY BE PROVIDED IN THE FORM OF A CERTIFIED CHECK, IRREVOCABLE LETTER OF CREDIT, OR BOND FURNISHED BY A SOLVENT SURETY COMPANY AUTHORIZED TO DO BUSINESS IN THE STATE OF WEST VIRGINIA. A LETTER OF CREDIT SUBMITTED IN LIEU OF A BOND WILL ONLY BE ALLOWED FOR PROJECTS UNDER \$100,000. PERSONAL OR BUSINESS CHECKS ARE NOT ACCEPCTABLE IN LIEU OF THE 5% BID BOND, PERFORMANCE BOND, OR LABOR AND MATERIAL BOND.</p> <p>() MAINTENANCE BOND: A TWO (2) YEAR MAINTENANCE BOND COVERING THE ROOFING SYSTEM WILL BE A REQUIREMENT OF</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Thom C. Miller</i>	TELEPHONE	DATE
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<p>PROVISIONS, THE SPENDING OFFICER OF THE SPENDING UNIT DETERMINES THAT THERE EXISTS A BID FOR LIKE FOREIGN ALUMINUM, GLASS OR STEEL THAT IS REASONABLE AND LOWER THAN THE LOWEST BID DOMESTIC PRODUCTS, THE SPENDING OFFICE MAY REQUEST, IN WRITING, A REEVALUATION AND REDUCTION IN THE LOWEST BID FOR SUCH DOMESTIC PRODUCTS ALL VENDORS MUST INDICATE IN THEIR BID IF THEY ARE SUPPLYING FOREIGN ALUMINUM, GLASS OR STEEL.</p> <p>REV. 3/88</p> <p>EXHIBIT 9</p> <p>NOTICE FOR ISSUANCE & ACKNOWLEDGEMENT OF CONSTRUCTION PROJECT ADDENDA</p> <p>THE ARCHITECT/ENGINEER AND/OR AGENCY SHALL BE REQUIRED TO ABIDE BY THE FOLLOWING SCHEDULE IN ISSUING CONSTRUCTION PROJECT ADDENDA FOR STATE AGENCIES:</p> <p>(1) THE ARCHITECT/ENGINEER SHALL PREPARE THE ADDENDUM AND A LIST OF ALL PARTIES THAT HAVE PROCURED DRAWINGS AND SPECIFICATIONS FOR THE PROJECT. THE ADDENDUM AND LIST SHALL BE FORWARDED TO THE BUYER IN THE STATE PURCHASING DIVISION. THE ARCHITECT/ENGINEER SHALL ALSO SEND A COPY OF THE ADDENDUM TO THE STATE AGENCY FOR WHICH THE CONTRACT IS ISSUED.</p> <p>(2) THE BUYER SHALL SEND THE ADDENDUM TO ALL INTERESTED PARTIES AND, IF NECESSARY, EXTEND THE BID OPENING DATE. ANY ADDENDUM SHOULD BE RECEIVED BY THE BUYER WITHIN FOURTEEN (14) DAYS PRIOR TO THE BID OPENING DATE.</p> <p>(3) ALL ADDENDA SHOULD BE FORMALLY ACKNOWLEDGED BY ALL</p>						

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<p>BIDDERS AND SUBMITTED TO THE STATE PURCHASING DIVISION. THE SAME RULES AND REGULATIONS THAT APPLY TO THE ORIGINAL BIDDING DOCUMENT SHALL ALSO APPLY TO AN ADDENDUM DOCUMENT. THE ONLY EXCEPTION MAY BE FOR AN ADDENDUM THAT IS ISSUED FOR THE SOLE PURPOSE OF CHANGING A BID OPENING TIME AND/OR DATE.</p> <p>REV. 11/96</p> <p>EXHIBIT 10</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NOS. :</p> <p>NO. 1 <i>TC</i></p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY</p>						

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SIGNATURE *Thom C. Del* TELEPHONE DATE

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<p>ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p><i>Thomas C. Tol</i> SIGNATURE <i>Taylor Sports & Rec.</i> COMPANY <i>5-26-09</i> DATE</p> <p>REV. 11/96</p> <p>CONTRACTORS LICENSE</p> <p>WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.</p> <p>BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: <i>Quantum Const.</i> CONTRACTORS LICENSE NO.: <i>WV 027639</i></p>						

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<p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p style="text-align: center;">APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 1/2005</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

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THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: 44 REQ. NO.: DNR209116 BID OPENING DATE: 05/26/09 BID OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-744-6545 ----- PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE: Thomas C. Nelson ----- ***** THIS IS THE END OF RFQ DNR209116 ***** TOTAL: _____						

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Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

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

Item No.	Equipment	Manufacturer	Model
1	Area 1 - Dam Playground PrimeTime swing, Item #12583, or equal.	MIRACLE	7188524 2 BAY ARCH SWING
2	Area 1 - Dam Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2990 2846 SLASH PROOF SEAT
3	Area 1 - Dam Playground PrimeTime swing add-a-bay, Item #12584, or equal.		7188524
4	Area 1 - Dam Playground PrimeTime tot seat package 3 1/2 inch OD, Item #8696, or equal.		2990 TOT BUCKET SEAT
5	Area 1 - Dam Playground GameTime freestanding wave zip slide, Item #18395, or equal.		657266 MOGUL SLIDE
6	Area 1 - Dam Playground GameTime tuffclad 6' bench with back in-ground (PS), Item #28009, or equal.		1266 6' BENCH
7	Area 1 - Dam Playground GameTime dome climber, Item #655, or equal.		401 GEODESIC CLIMBER
8	Installation of all items (1, 2, 3, 4, 5, 6, & 7) for the Area 1 - Dam Playground.		

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
9	Area 2 - Rattlesnake Playground GameTime parcourse fitcenter, Item #13200, or equal. Unit must include the following components:	MIRACLE	159302
	Area 2 - Rattlesnake Playground Sign Frame		INCLUDED IN ABOVE
	Area 2 - Rattlesnake Playground Achilles/Trunk		159-801
	Area 2 - Rattlesnake Playground Sit and Reach		159-014
	Area 2 - Rattlesnake Playground Leg Stretch		159-002
	Area 2 - Rattlesnake Playground Stretch Bar		159-010
	Area 2 - Rattlesnake Playground Vault Bar		159-012
	Area 2 - Rattlesnake Playground Sit-Up Bench		159- 003 ⁰⁰⁷
	Area 2 - Rattlesnake Playground Push-Up		159- 005 ⁰⁰⁹
	Area 2 - Rattlesnake Playground Chin-Up		159-011
	Area 2 - Rattlesnake Playground Knee-Lift		159-013
	Area 2 - Rattlesnake Playground Body Curl		159-003
	Area 2 - Rattlesnake Playground Log Hop		159-006
	Area 2 - Rattlesnake Playground Bench Dip		159-004
	Area 2 - Rattlesnake Playground Bench Curl	✓	159-020

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
10	Area 2 - Rattlesnake Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	MIRACLE	OVC-900
11	Installation of all items (9 & 10) for Area 2 - Rattlesnake Playground.	↓	7188524
12	Area 3 - Upper Pines Playground PrimeTime swing, Item #12583, or equal. days of purchase order award.		7188524 2 BAY Arch swing
13	Area 3 - Upper Pines Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2840 SLASH PROOF SEATS
14	Area 3 - Upper Pines Playground PrimeTime swing add-a-bay, Item #12584, or equal.		7188524 2 BAY Arch
15	Area 3 - Upper Pines Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		2990 TOT Bucket seats
16	Area 3 - Upper Pines Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1266 6' Bench
17	Area 3 - Upper Pines Playground GameTime freestanding wave zip slide, Item #16385, or equal.		657266 MOBUL SLIDE

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
18	Area 3 - Upper Pines Playground GameTime cantilevered post with 48' extension, Item #460, or equal.	MIRACLE	360110 BASKET BALL Goal/w/Back 377222
19	Area 3 - Upper Pines Playground GameTime aluminum backgard, Item #854, or equal, Item #460, or equal.		360110 Rim + net
20	Area 3 - Upper Pines Playground GameTime super goal with steel net, Item #423, or equal.		360110
21	Area 3 - Upper Pines Playground GameTime buck-a-bolt cool spring, Item #200, or equal.		4-WAY ANIMAL hop 926
22	Area 3 - Upper Pines Playground GameTime aluminum saddle seat, Item #2313, or equal.		926
23	Area 3 - Upper Pines Playground GameTime space arch, item #6510, or equal.		4481 CAMEL CLIMBER
24	Installation of all items (12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 & 23) for the Area 3 - Upper Pines Playground.		
25	Area 4 - Swimming Pool Playground PrimeTime swing, Item #12583, or equal.		7188524
26	Area 4 - Swimming Pool Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2840

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
27	Area 4 - Swimming Pool Playground PrimeTime swing add-a-bay, Item #12584, or equal.	MIRADE	7188524
28	Area 4 - Swimming Pool Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		2990
29	Area 4 - Swimming Pool Playground GameTime FS spiral slide, Item #81733, or equal.		657428 FUN TUNNEL SLIDE
30	Area 4 - Swimming Pool Playground GameTime rumble and roll zip slide, Item #18389, or equal.		718700 SIDE BY SIDE SLIDE
31	Area 4 - Swimming Pool Playground GameTime wave climber, Item # 12735, or equal.		718787 TOT ROCK CLIMBER
32	Area 4 - Swimming Pool Playground GameTime access attachment, Item # 18273, or equal.		71885139 ADA TRANSFER
33	Area 4 - Swimming Pool Playground GameTime transfer point, Item #18254, or equal.		71885139 ADA TRANSFER
34	Area 4 - Swimming Pool Playground GameTime crunch bar, Item # 13540, or equal.		718782 CRUNCH BAR
35	Area 4 - Swimming Pool Playground GameTime clover leaf climber, Item #12811, or equal.		718 9763 BUMPER LADDER
36	Area 4 - Swimming Pool Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.	✓	718573 POST 3 1/2" OD

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
37	Area 4 - Swimming Pool Playground GameTime rectangle deck, Model #18202, or equal.	MIRACLE	7185029
38	Area 4 - Swimming Pool Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1266
39	Area 4 - Swimming Pool Playground GameTime dome climber, Item #655, or equal.		401
40	Installation of all items(25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 & 39) for the Area 4 - Swimming Pool Playground.		
41	Area 6 - Dunlop Hollow Playground PrimeTime swing, Item #12583, or equal.		7188524
42	Area 6 - Dunlop Hollow Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2840
43	Area 6 - Dunlop Hollow Playground PrimeTime swing add-a-bay, Item #12584, or equal.		7188524
44	Area 6 - Dunlop Hollow Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		2990
45	Area 6 - Dunlop Hollow Playground GameTime freestanding wave zip slide, Item #18395, or equal.	✓	657266

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
46	Area 6 - Dunlop Hollow Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	MIRACLE	OCV-900
47	Area 6 - Dunlop Hollow Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		1266
48	Area 6 - Dunlop Hollow Playground GameTime space arch, item #6510, or equal.		4481
49	Installation of all items (41, 42, 43, 44, 45,46, 47, & 48) for the Area 6 - Dunlop Hollow Playground.		
50	Area 7 - Upper Campground Playground PrimeTime swing, Item #12583, or equal.		7188524
51	Area 7 - Upper Campground Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2840
52	Area 7 - Upper Campground Playground PrimeTime swing add-a-bay, Item #12584, or equal.		7188524
53	Area 7 - Upper Campground Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	✓	2990

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
72	Area 9 - Shelters 3 & 4 Playground GameTime freestanding wave zip slide, Item #18395, or equal.	MIRACLE	657276
73	Area 9 - Shelters 3 & 4 GameTime painted rainbow climber, Item #P910, or equal.	↓	431
74	Area 9 - Shelters 3 & 4 Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1266
75	Installation of all items (68, 69,70, 71, 72, 73 & 74) for the Area 9 - Shelters 3 & 4 Playground .		
76	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.		718524 718573
77	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime rectangle deck, Model #18202, or equal.		7185029
78	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime rumble and roll zip slide, Item #18389, or equal.		718700
79	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime wave climber , Item # 12735, or equal.		718787
80	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime access attachment, Item # 18273, or equal.		718 85139

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
63	Area 8 - Lower Campground Playground GameTime transfer point, Item #18254, or equal.	MIRACLE	71885139
64	Area 8 - Lower Campground Playground GameTime Crunch bar, Item # 13540, or equal.		718782
65	Area 8 - Lower Campground Playground GameTime clover leaf climber, Item #12811, or equal.		7189763
66	Area 8 - Lower Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		1266
67	Installation of all items (58, 59, 60, 61, 62, 63, 64, 65, & 66) for the Area 8 - Lower Campground Playground.		
68	Area 9 - Shelters 3 & 4 Playground PrimeTime swing, Item #12583, or equal.		7188524
69	Area 9 - Shelters 3 & 4 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2840
70	Area 9 - Shelters 3 & 4 Playground PrimeTime swing add-a-bay, Item #12584, or equal.		7188524
71	Area 9 - Shelters 3 & 4 Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		2990

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
54	Area 7 - Upper Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	MIRACLE	1266
55	Area 7 - Upper Campground Playground GameTime freestanding wave zip slide, Item #18395, or equal.		657266
56	Area 7 - Upper Campground Playground GameTime dome climber, Item #655, or equal.		401
57	Installation of all items (50, 51, 52, 53, 54, 55, & 56) for the Area 7 - Upper Campground Playground.		
58	Area 8 - Lower Campground Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.		718573
59	Area 8 - Lower Campground Playground GameTime rectangle deck, Model #18202, or equal.		7185029
60	Area 8 - Lower Campground Playground GameTime rumble and roll zip slide, Item #18389, or equal.		718700
61	Area 8 - Lower Campground Playground GameTime wave climber, Item # 12735, or equal.		7189763
62	Area 8 - Lower Campground Playground GameTime access attachment, Item # 18273, or equal.		718 85139

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
81	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime transfer point, Item #18254, or equal.	MIRACLE	71885139
82	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime crunch bar, Item # 13540, or equal.	↓	718782
83	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime clover leaf climber, Item #12811, or equal.		718787
84	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		1266
85	Installation of all Items (76, 77, 78, 79, 80, 81, 82, 83 & 84) for the Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground.		
86	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.		OVC-900
87	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		1266
88	Installation of all items (86 & 87) for the Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground.		

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
89	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing, Item #12583, or equal.	MIRACLE	7188524
90	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.		2840
91	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing add-a-bay, Item #12584, or equal.		7188524
92	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime enclosed tot seat package 3 1/2 OD, Item #8696, or equal.		2990
93	Area 10 -Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1266
94	Area 10 -Shelters 5, 6 & 7 Playground GameTime space arch, item #6510, or equal.		4481
95	Installation of all items (89, 90, 91, 92, 93 & 94) for the Area 10 -Shelters 5, 6 & 7 Playground.		
96	Items For all Eleven Playgrounds geo-textile fabric, 2,250 sq. ft., roll or equal.		ZEA6ER
97	Items For All Eleven Playgrounds engineered wood fiber @ 8 inch compacted depth.		ZEA6ER

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
98	Items For All Eleven Playgrounds 4 inch x 8 inch wood border or equal.		
99	Installation of all items (96, 97 & 98) for all eleven playgrounds.	<i>Quantum Cast</i>	

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Area 1 - Dam Playground PrimeTime swing, Item #12583, or equal.		921
2	2	Area 1 - Dam Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118
3	1	Area 1- Dam Playground PrimeTime swing add-a-bay, Item #12584, or equal.		INCLUDED IN ITEM #1
4	2	Area 1 - Dam Playground PrimeTime tot seat package 3 1/2 inch OD, Item #8696, or equal.	91	182
5	1	Area 1 - Dam Playground GameTime freestanding wave zip slide, Item #18395, or equal.		1887
6	1	Area 1 - Dam Playground GameTime tuffclad 6' bench with back in-ground (PS), Item #28009, or equal.		327
7	1	Area 1 - Dam Playground GameTime dome climber, Item#655, or equal.		513
8	1	Installation of all items (1, 2, 3, 4, 5, 6, & 7) for the Area 1 - Dam Playground.		3,300 4,982
9	1	Area 2 - Rattlesnake Playground GameTime parcours fitcenter, Item #13200, or equal.		\$4,982
10	1	Area 2 - Rattlesnake Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.		\$990

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
11	1	Installation of all items (9 & 10) for Area 2 Rattlesnake Playground. Prevailing heavy wage rates must be paid for Kanawha County, West Virginia (http://www.wvsos.com/adlaw/wagerates/heavyhighways09.htm). Installation must be complete within ninety (90) days of purchase order award.		5400
12	1	Area 3 - Upper Pines Playground PrimeTime swing, Item #12583, or equal.		921
13	2	Area 3 - Upper Pines Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118
14	1	Area 3 - Upper Pines Playground PrimeTime swing add-a-bay, Item #12584, or equal.		INCLUDED IN ITEM #12
15	2	Area 3 - Upper Pines Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	91	182
16	1	Area 3 - Upper Pines Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
17	1	Area 3 - Upper Pines Playground GameTime freestanding wave zip slide, Item #16385, or equal.		1887
18	2	Area 3 - Upper Pines Playground GameTime cantilevered post with 48' extension, Item #460, or equal.		759
19	2	Area 3 - Upper Pines Playground GameTime aluminum backgard, Item #854, or equal., Item #460, or equal.		INCLUDED IN ITEM #18

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
20	2	Area 3 - Upper Pines Playground GameTime super goal with steel net, Item #423, or equal.		INCLUDED IN ITEM # 18
21	1	Area 3 - Upper Pines Playground GameTime buck-a-bolt cool spring, Item #200, or equal.		2154
22	4	Area 3 - Upper Pines Playground GameTime aluminum saddle seat, Item #2313, or equal.		INCLUDED IN ITEM # 21
23	1	Area 3 - Upper Pines Playground GameTime space arch, item #6510, or equal.		565
24	1	Installation of all items (12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 & 23) for the Area 3 - Upper Pines Playground.		4,650
25	1	Area 4 - Swimming Pool Playground PrimeTime swing, Item #12583, or equal.		921
26	2	Area 4 - Swimming Pool Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118
27	1	Area 4 - Swimming Pool Playground PrimeTime swing add-a- bay, Item #12584, or equal.		INCLUDED IN ITEM # 25
28	2	Area 4 - Swimming Pool Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	91	182
29	1	Area 4 - Swimming Pool Playground GameTime FS spiral slide, Item #81733, or equal.		3796
30	1	Area 4 - Swimming Pool Playground GameTime rumble and roll zip slide, Item #18389, or equal.		798

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
31	1	Area 4 - Swimming Pool Playground GameTime wave climber , Item # 12735, or equal.		523
32	1	Area 4 - Swimming Pool Playground GameTime access attachment, Item # 18273, or equal.		INCLUDE IN ITEM #33
33	1	Area 4 - Swimming Pool Playground GameTime transfer point, Item #18254, or equal.		1307
34	1	Area 4 - Swimming Pool Playground GameTime crunch bar, Item # 13540, or equal.		53
35	1	Area 4 - Swimming Pool Playground GameTime clover leaf climber, Item #12811 , or equal.		437
36	1	Area 4 - Swimming Pool Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.		91
37	1	Area 4 - Swimming Pool Playground GameTime rectangle deck, Model #18202, or equal.		395
38	1	Area 4 - Swimming Pool Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
39	1	Area 4 - Swimming Pool Playground GameTime dome climber, Item #655, or equal.		281
40	1	Installation of all items(25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 & 39) for the Area 4 - Swimming Pool Playground.		5,550
41	1	Area 6 - Dunlop Hollow Playground PrimeTime swing, Item #12583, or equal.		921

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
42	2	Area 6 - Dunlop Hollow Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118
43	1	Area 6 - Dunlop Hollow Playground PrimeTime swing add-a-bay, Item #12584, or equal.		INCLUDED in item #41
44	2	Area 6 - Dunlop Hollow Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	91	182
45	1	Area 6 - Dunlop Hollow Playground GameTime freestanding wave zip slide, Item #18395, or equal.		1887
46	1	Area 6 - Dunlop Hollow Playground Deluxe volleyball net and permanent volleyball posts, Item #739, or equal.		990
47	1	Area 6 - Dunlop Hollow Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
48	1	Area 6 - Dunlop Hollow Playground GameTime space arch, item #6510, or equal.		513
49	1	Installation of all items (41, 42, 43, 44, 45,46, 47, & 48) for the Area 6 - Dunlop Hollow Playground.		3,600
50	1	Area 7 - Upper Campground Playground PrimeTime swing, Item #12583, or equal.		921
51	2	Area 7 - Upper Campground Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
52	1	Area 7 - Upper Campground Playground PrimeTime swing add-a-bay, Item #12584, or equal.		INCLUDED IN ITEM 50
53	2	Area 7 - Upper Campground Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	91	182
54	1	Area 7 - Upper Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
55	1	Area 7 - Upper Campground Playground GameTime freestanding wave zip slide, Item #18395, or equal.		1887
56	1	Area 7 - Upper Campground Playground GameTime dome climber, Item #655, or equal.		513
57	1	Installation of all items (50, 51, 52, 53, 54, 55, & 56) for the Area 7 - Upper Campground Playground.		3300
58	1	Area 8 - Lower Campground Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.		91
59	1	Area 8 - Lower Campground Playground GameTime rectangle deck, Model #18202, or equal.		395
60	1	Area 8 - Lower Campground Playground GameTime rumble and roll zip slide, Item #18389, or equal.		798
61	1	Area 8 - Lower Campground Playground GameTime wave climber , Item # 12735, or equal.		523
62	1	Area 8 - Lower Campground Playground GameTime access attachment, Item # 18273, or equal.		INCLUDED IN ITEM # 63

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
63	1	Area 8 - Lower Campground Playground GameTime transfer point, Item #18254, or equal.		1307
64	1	Area 8 - Lower Campground Playground GameTime Crunch bar, Item # 13540, or equal.		53
65	1	Area 8 - Lower Campground Playground GameTime clover leaf climber, Item #12811 , or equal.		437
66	1	Area 8 - Lower Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
67	1	Installation of all items (58, 59, 60, 61, 62, 63, 64, 65, & 66) for the Area 8 - Lower Campground Playground.		2,950
68	1	Area 9 - Shelters 3 & 4 Playground PrimeTime swing, Item #12583, or equal.		921
69	2	Area 9 - Shelters 3 & 4 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118
70	1	Area 9 - Shelters 3 & 4 Playground PrimeTime swing add-a-bay, Item #12584, or equal.		included in Item 68
71	2	Area 9 - Shelters 3 & 4 Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	91	182
72	1	Area 9 - Shelters 3 & 4 Playground GameTime freestanding wave zip slide, Item #18395, or equal.		1887
73	1	Area 9 - Shelters 3 & 4 GameTime painted rainbow climber, Item #P910, or equal.		599

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
74	1	Area 9 - Shelters 3 & 4 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
75	1	Installation of all items (68, 69,70, 71, 72, 73 & 74) for the Area 9 - Shelters 3 & 4 Playground .		3,300
76	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.		5 91
77	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime rectangle deck, Model #18202, or equal.		395
78	1	Area 9 - Between Shelters 3 & 4 AND 5, 6 & 7 Playground GameTime rumble and roll zip slide, Item #18389, or equal.		798
79	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime wave climber , Item # 12735, or equal.		523
80	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime access attachment, Item # 18273, or equal.		INCL UD IN ITEM #81
81	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime transfer point, Item #18254, or equal.		1307
82	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime crunch bar, Item # 13540, or equal.		53
83	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime clover leaf climber, Item #12811 , or equal.		437

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
84	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
85	1	Installation of all Items (76, 77, 78, 79, 80, 81, 82, 83 & 84) for the Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground.		2,950
86	1	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.		990
87	1	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
88	1	Installation of all items (86 & 87) for the Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground.		1,000
89	1	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing, Item #12583, or equal.		921
90	2	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	59	118
91	1	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing add-a-bay, Item #12584, or equal.		INCLUDED IN ITEM # 89
92	2	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime enclosed tot seat package 3 1/2 OD, Item #8696, or equal.	91	182

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
93	1	Area 10 -Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		327
94	1	Area 10 -Shelters 5, 6 & 7 Playground GameTime space arch, item #6510, or equal.		513
95	1	Installation of all items (89, 90, 91, 92, 93 & 94) for the Area 10 - Shelters 5, 6 & 7 Playground.		3,308
96	9	Items For all Eleven Playgrounds geo-textile fabric, 2,250 sq. ft. roll or equal.	#/600 Roll 1500 SQ FT Per Roll	\$ 2240
97	20,000 square feet	Items For All Eleven Playgrounds engineered wood fiber @ 8 inch compacted depth.	12.26 Per CU YD	\$ 8582. ⁰⁰
98	1,500 feet	Items For All Eleven Playgrounds 4 inch x 8 inch wood border or equal.		\$ 7,800
99	1	Installation of all items (96, 97 & 98) for the eleven playgrounds.		16,250
		TOTALS		



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF WEST VIRGINIA
COUNTY OF KANAWHA, TO-WIT:

I, THOMAS C. NELSON after being first duly sworn, depose and state as follows:

- 1. I am an employee of Taylor Sports + Recreation and,
(Company Name)
- 2. I do hereby attest that Taylor Sports + Recreation
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code §21-1D-5**.

The above statements are sworn to under the penalty of perjury.

Taylor Sports + Recreation
(Company Name)

By: Thomas C. Nelson

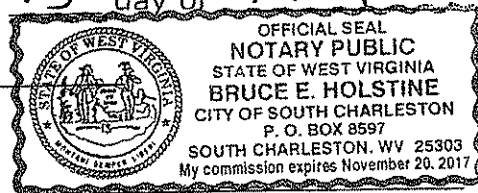
Title: Regional Rep

Date: 5-13-2009

Taken, subscribed and sworn to before me this 13 day of MAY

By Commission expires 2017

(Seal)



(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.



CERTIFICATE

ISSUE DATE: 5/25/2009

Kanawha State Forest

In the interest of public playground safety, IPEMA provides a third-party certification service whereby Detroit Testing Laboratory, Inc. validates a manufacturer's certification of conformance to the ASTM F1487-07 (excluding sections 7.1.1, 10 and 12.6.1) Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.

The manufacturer listed below has received written validation from Detroit Testing Laboratory, Inc. that the products listed below conform with the requirements of ASTM F1487-07 (excluding sections 7.1.1, 10 and 12.6.1).

Manufacturer
Miracle Recreation
P.O. Box 420,
Monett, MO 65708

<u>PRODUCT #</u>	<u>PRODUCT LINE</u>	<u>DESCRIPTION</u>
2990	Misc	360 Degree Seat
401	Misc	GEODESIC CLIMBER 8' DIA.
926	Misc	Four-Way Animal Hop
159-001	Misc	AGE 5-12 FITNESS COURSE - STEP UP
159-002	Misc	AGE 5-12 FITNESS COURSE - LEG LIFT
159-003	Misc	AGE 5-12 FITNESS COURSE - BODY CURL



Detroit Testing Laboratory

1 of 3 You may verify this certificate by visiting IPEMA's website at <http://www.ipema.org>

IPEMA Certificate of Compliance

<u>PRODUCT #</u>	<u>PRODUCT LINE</u>	<u>DESCRIPTION</u>
159-004	Misc	AGE 5-12 FITNESS COURSE - PARALLEL BARS
159-006	Misc	AGE 5-12 FITNESS COURSE-HORIZONTAL LADDER
159-007	Misc	AGE 5-12 FITNESS COURSE - SIT UP
159-010	Misc	AGE 5-12 FITNESS COURSE - JUMP UP
159-011	Misc	AGE 5-12 FITNESS COURSE - CHIN UP
159-014	Misc	AGE 5-12 FITNESS COURSE - BALANCE BEAM
159-015	Misc	AGE 5-12 FITNESS COURSE - VERTICAL CLIMB
2840	Misc	Slashproof Swing Seat
431	Misc	Horizontal Ladder- Painted
448-1	Misc	CAMEL BACK CLIMBER, SINGLE
65-726-6	Misc	MOGUL SLIDE W/PVC STEPS (6' 6" PLATFORM)
65-727-6	Misc	GROOVE SLIDE W/PVC STEPS (6' 6" PLATFORM)
718-502-9	Tots' Choice	SQUARE DECK (ATTACHES TO 4 POSTS) METHERM II
718-573	Tots' Choice	Post 3 1/2" OD x 162"
718-700	Tots' Choice	Side by Side Slide from a 3' Deck
718-706	Tots' Choice	Square Roof - Tier
718-782	Tots' Choice	CRUNCH STATION
718-787	Tots' Choice	TOT ROCK CLIMBER (3' DECK)
718-843	Tots' Choice	CHINNING BAR W/POST



2 of 3 You may verify this certificate by visiting IPEMA's website at <http://www.ipema.org>

IPEMA Certificate of Compliance

PRODUCT #

718-851-39

718-852-4

718-976-3

PRODUCT LINE

Tots' Choice

Tots' Choice

Tots' Choice

DESCRIPTION

SQUARE TRANSFER POINT (3' DECK)

3 1/2" OD ARCH SWING FRAME, 4 SEATS REQ

Bumper Ladder from a 3' or 4' Deck



IPEMA
Industrial Playground Equipment Manufacturers Association
Certified Testing Laboratory

3 of 3 You may verify this certificate by visiting IPEMA's website at <http://www.ipema.org>

IPEMA Certificate of Compliance



CERTIFICATE

ISSUE DATE: 5/25/2009

Kanawha State Forest

In the interest of public playground safety, IPEMA provides a third-party certification service whereby Detroit Testing Laboratory, Inc. validates a manufacturer's certification of conformance to the ASTM F1292-04, Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment Standard. The

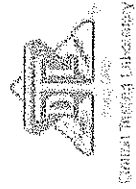
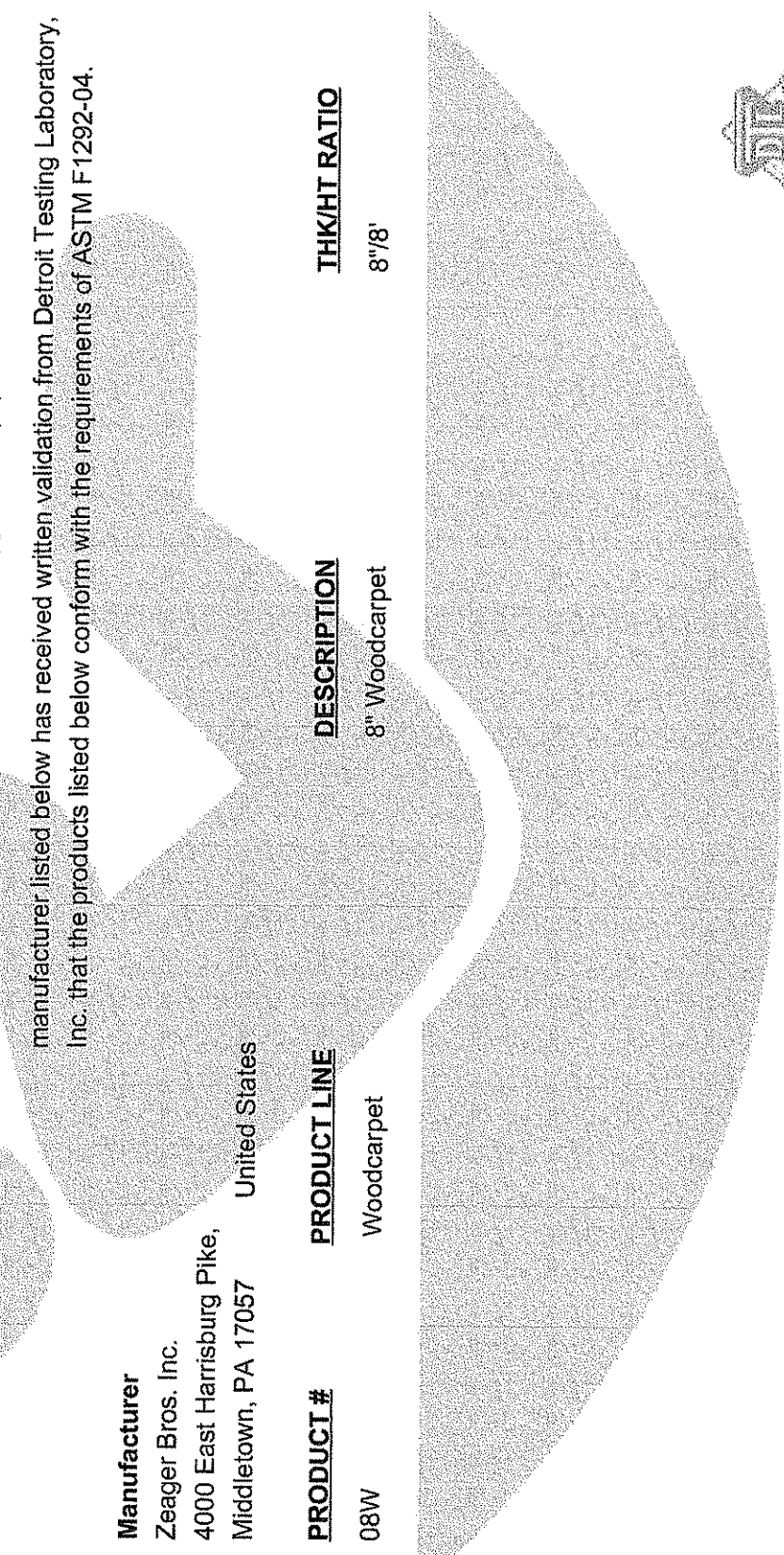
manufacturer listed below has received written validation from Detroit Testing Laboratory, Inc. that the products listed below conform with the requirements of ASTM F1292-04.

Manufacturer
Zeager Bros. Inc.
4000 East Harrisburg Pike,
Middletown, PA 17057
United States

PRODUCT #
08W
PRODUCT LINE
Woodcarpet

DESCRIPTION
8" Woodcarpet

THK/HT RATIO
8"/8"



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.*

- **TOTS' CHOICE MIRA-THERM II DECKS** shall include Model # 718-501-9, a three-sided equilateral triangle deck, requiring three posts, with a deck top surface area of 5.3 square feet; Model # 718-502-9, a four-sided square deck, requiring four posts, with a deck top surface area of 12.2 square feet; Model # 718-503-9, a four-sided trapezoid deck designed for use with another of its kind to form a large hexagon deck, and also for use (only) with Model # 714-770-6 and # 714-770-9 ("Flippo" components), requiring four posts, with a deck top surface area of 15.9 square feet; and Model # 718-504-9, a four-sided trapezoid deck designed (only) for attachment of standard Tots' Choice components, requiring five posts, with a deck top surface area of 15.9 square feet. Posts for deck assemblies must be ordered separately.

Model # 718-511-9 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 # 718-511-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 6.125 sq. ft. each for both sections, or total 12.25 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 loop enclosure assembly accompanying models which rise 18" and 24" shall comprise two top supports, an arched upright and infill constructed of **1" tube**, and finished in **Mira-Cote**.

The decks shall be designed on a 3'-6" center-to-center spacing on all deck posts. Deck-to-post connections shall be made with a deck support clamp. The decks shall be designed for maximum flexibility in height of deck surface from 0" to 6'-0", in 6" increments, although 3'-0", 5'-0" and 6'-0" shall be considered standard deck heights. All decks shall be designed to attach to the 3-1/2" diameter posts or arches at equal or varied heights. All deck connections shall be made from beneath the deck with no exposed fasteners on the deck perimeter.

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 3/16" x 1-1/2" flat steel braces. The entire assembly shall be solid **welded** prior to PVC coating. Deck assemblies shall contain **Versalok Fasteners** and **Fastener Style A** hardware. Deck surfaces shall have a **Mira-Therm** finish. Clamps shall have a **Mira-Cote** finish.

- **TOTS' CHOICE STEEL POSTS:** The steel posts shall be constructed of **3-1/2" tube** with **3-1/2" round end caps** mechanically fastened to the top end. Posts for roof attachment shall not receive end caps. After fabrication, all posts and end caps shall have a **Mira-Cote** finish.

- **SQUARE ROOF - TIER:** The roof for Model # 718-706 shall measure 50" square by 18" high, center. Model # 718-706 shall have a tiered pattern and shall be constructed of single wall **Rockite**. The roof shall attach to the top of the posts with (4) roof brackets. The roof brackets shall be constructed of **3-1/4" tube welded** to a trapezoid shaped plate made of 11 ga. **A-60 Galvannealed**. A loop guard of 3 ga. galvanized wire shall be attached at top. The roof bracket assemblies shall be solid **welded**. Minimum roof clearance shall be 72" from deck surface to roof edge. The **Rockite** roof shall have molded in color. The roof brackets shall have a **Mira-Cote** finish.

- **ROCKITE SIDE-BY-SIDE SLIDE** shall be open, dual bedway slides which connect to a 3' deck and shall have a bedway length of approximately 5'-5". The slide shall be constructed of **Rockite** with "T" nuts incorporated internally for field attachment of leg(s) and in top end for field attachment to deck. Slide dimensions shall be: each bedway width 17", outside overall 42", rail width 3", top of bedway to top of rail 4-1/2", and bedway thickness 3". The front leg shall be constructed of a vertical **2" pipe** measuring 37-1/4" long with a 1-1/4" x 3-1/4" channel top constructed of 11 ga. sheet, **welded** to the upright in a "T" configuration. 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 canopy stubs shall have a galvanized finish. The clamps, leg, and rung shall have a **Mira-Cote** finish.

- **MIRA-THERM II 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-Therm**. The deck enclosures, handrails, extensions, sleeves, leg and clamps shall be finished in **Mira-Cote**.

- **TOT ROCK CLIMBER** shall be a ground-to-deck climber assembly (for 3' decks only) featuring a formed "bedway" with protrusions for users to grasp and step upon, and a single-user safety canopy. Some Rock Climber protrusions shall feature molded-in graphics of various fossil types. The climber shall be constructed of formed and drilled double-wall **Rockite**, and shall have an overall width of approximately 27-1/2" and an inside width at lowest point of 16". The assembly's top end shall have factory-installed threaded inserts for field attachment to canopy panel. The canopy panel shall be constructed of formed and drilled **Rockite** with all corners rounded, and shall measure 35-1/2" wide by 44-1/4" tall by 12-1/4" deep (panel alone 2-1/2" deep.) The opening shall measure approximately 24" wide by 31" tall. The front leg shall be **1-1/2" tube welded** to a 7 ga. **A-60 Galvanized** mounting bracket. The deck enclosures (for Kids' Choice model only) shall consist of uprights and support bars, to be constructed of **1" pipe**, drilled, formed and solid **welded**. The panel support rung (for Tots' Choice model only) shall be a 37-3/16" length of **1" pipe**. Each assembly shall contain **Versalok Fasteners** and **Fastener Style A** hardware. The climber and canopy shall have color molded in. The leg, deck enclosures, and clamps shall be finished in **Mira-Cote**. The panel support rung shall have a galvanized 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.

- **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 **Mira-Cote**.

- **MIRA-THERM II BENCHES** shall be portable or permanent PVC-dipped, punched steel park benches with backs in 6' and 8' lengths. The seatboards shall measure 10" x 72" (or 96") x 2" thick. Each 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 frame shall be constructed by folding edges to form 2" tall walls and shall be supported by solid **welded** braces of 1/4" x 1-1/4" flat. Seatboard brackets shall be constructed of 11 ga. galvanized 1-1/2" x 2" x 7-1/2" angle containing 7/16" diameter holes and 7/16" x 7/8" slots. Leg assemblies each shall consist of a seat support **welded** to a vertical support which serves as the leg and back

bracing. The assembly shall be fabricated of **2" pipe** with seat brackets made of 7 ga. galvanized sheet, solid **welded**, drilled and formed. Open pipe ends shall be capped with 16 ga. galvanized steel, die-formed and **welded** caps. Model # 1266-1 and # 1268-1 shall require a stabilizing connector constructed of **1" pipe**, 47-1/16" or 65-5/16" long. The assembly shall contain **Fastener Style A** hardware. The seatboards shall be finished in **Mira-Therm**. The legs and connector shall be finished in **Mira-Cote**.

- **GEODESIC CLIMBERS** shall be dome-shaped climbers of varied sizes. The climbing bars shall be constructed of **1" tube**. All ends shall be compressed, rounded, and punched for attachment to the connector plates. The connector plates shall be constructed of 11 ga. **A-60 Galvannealed** sheet steel. The anchors shall be constructed of **1" tube** measuring approximately 20" long with connecting facilities on one end, the other end to be embedded in the concrete. All fastener hardware shall **Fastener Style A** or ASTM-A153 mechanically galvanized steel. Climbing bars for Model # 401, # 402, and # 403, and anchors for all models shall have a galvanized finish. Climbing bars for Model # 401-2, # 402-2, and # 403-2, and connector plates for all models shall have a **Mira-Cote** finish.
- **FREESTANDING FUNNEL TUNNELS** shall be freestanding 30" I.D. spiral tube slides with platforms of either 10' or 8'. The spirals shall turn either left or right, and some models shall contain Sneak-A-View (TM) windows in their upper tube sections. All slide pieces shall be **Rockite** with 1/4" to 3/8" wall thickness and a 30" inner diameter. Tube-to-tube connections shall have a **Rockite** flange cover. The bedway shall have no exposed internal fasteners. The exit section shall be constructed of double-wall **Rockite** with a 25" centerline radius. The tube joints shall be externally flanged and overlapping, with a 1" wide flange. The slide entry panel shall be **Rockite** and shall measure 47" x 38" x 3" with a molded-in 30 degree extension. Optional windows shall be constructed of clear polycarbonate measuring 13" x 40", and shall be mechanically fastened to the slide assembly at the factory using tamper-resistant fasteners. The front leg shall consist of an upright and a bolting plate. The upright shall be constructed of **2" pipe**. The bolting plate shall be constructed of 11 ga. **A-60 Galvannealed** and shall measure 7" x 7", drilled and **welded** to the upright. The top support leg shall be die formed of **1-1/4" pipe**. The platform shall be constructed of 3/16" x 2" x 3" angle, drilled and solid **welded** with a brace of 3/16" x 1-1/2" flat and decking of 1/2" x 11 ga. expanded metal. Handrails shall be constructed of drilled and formed **1" pipe** with threaded inserts in top ends and **plastic pipe plugs** in bottoms. Platform enclosures shall comprise a top and bottom rail and uprights of **1" pipe** with spoked infill **3/4" x 1" oval tube**, all solid **welded**, with threaded inserts in stubs at top and **plastic pipe plugs** in bottoms. The step assembly shall comprise 17-3/4" wide steps of 1/2" x 11 ga. expanded metal solid **welded** between drilled and formed 7 ga. black sheet step stringers and a top bolting plate of 11 ga. black sheet. Two assemblies shall be spliced in the field to create one stair. Step supports shall be constructed of **1-1/2" tube** with mashed and drilled top end. All fastening hardware shall be **Fastener Style A**. The **Rockite** slide assembly shall have color molded in. The handrails, enclosures, and legs shall be finished in **Mira-Cote**. The platform and step assemblies shall be finished in **Mira-Therm**.
- **SWING SEATS** shall reference one of the following in Miracle's "Glossary of Technical Data for Materials, Processes and Finishes": **Slashproof Seat, 360 Degree Slashproof Tot Seat, Therapeutic Swing Seat** or **Mirage Therapeutic Swing Seat**.

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 hot dipped galvanized with a 670 pound working load limit. All chain shall be manufactured to ASTM A467-86A Class CS specifications.
- **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.
- **fiberglass** components are sprayed-up isophthalic molding resin with fiberglass reinforcements. The resins and fiberglass are tested in accordance with ASTM D-790, D-38-0651 and D-638. All sprayed up fiberglass components have a **Gelcoat** finish which is molded in during the spray up process.
- **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".
- **Gelcoat** is formulated with tough flexible polyester resins containing isophthalic acid and neopentyl glycol for maximum performance. Gelcoat is U.V. light stabilized and is blister resistant after long term exposure to water. Gelcoat meets USAS standard E 124.2 and Canadian standard Can 3-B45-Series-M-81.
- **A-60 Galvannealed** 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-Therm 2 (TM)** is a polyvinyl chloride coating applied to a thickness of 1/16" to 1/8". Primed metal parts are heated and then dipped in a vinyl plastisol solution. As the vinyl plastisol is heated, fusion takes place and the liquid is converted into a tough, homogenous mass with excellent abrasion, aging, corrosion and electrical resistance. Mira-Therm 2 contains U.V. light stabilizers, anti-microbial additives and color pigments. Mira-Therm 2 contains no orthophthalates or other banned substances. Mira-Therm 2 is a proprietary brand of PVC. Materials are tested in accordance with ASTM D-638, ASTM D-412, ASTM D-2240 and ASTM D-1004. Mira-Therm 2 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.
- **1" pipe** is **GATOR GRIP** embossed 14 ga., **1" pipe sized tube** (1.315" OD; approx. 1-5/16" OD.)
- **1" pipe, 10 ga.** is 10 ga., **1" pipe sized tube** (1.315" OD; approx. 1-5/16" OD.)
- **1" pipe, 12 ga.** is 12 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.)
- **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".
- **Slashproof Seat** is a flexible flat single strap seat with end attachment points and an exterior surface of blue EPDM rubber. Models with chain have two segments of **4/0 straight link coil chain** to suspend the swing from a swing frame header. The slashproof seat is constructed of a 4" wide inner steel insert of type 301 stainless spring steel, 0.020" thick. The slashproof seat is 26" long (excluding mounting triangles) x 5" wide x 5/8" thick at the front and rear leading cushion edges. The rubber molded to the steel core is 70 durometer blue EPDM. At each end, a 16 ga. galvanized steel clip 3" wide is attached by three stainless steel rivets through the clip and seat subassembly. A 3/8" diameter galvanized steel mounting triangle is encompassed by the steel clip at each end of the seat. For Model # 284-74, the lower 30" of the chain is finished in **Mira-Therm**.
- **360 Degree Slashproof Tot Seat** is a flexible seat fabricated into a configuration of a wide strap under and through the bottom, a wide strap running completely around at the top, and two (2) interconnecting straps at the front and rear of the seat for complete enclosure of the small user. The exterior surface is blue EPDM rubber. Models with chain have two segments of **4/0 straight link coil chain** to suspend the swing from a swing frame header. The 360 degree tot seat is constructed of a one piece die cut 0.020" thick, martensitic spring steel insert with 70 durometer blue EPDM rubber, 1/4" thick, molded to the insert. The main seat strap is 5" wide, the back strap is 4" wide, and the front strap is 2" wide. The two (2) places

where the straps are interconnected and form the suspension points for the seat are held by a clip and grommet system. The clip is 4" wide 16 ga. galvanized steel. There are two grommets per clip, each of which is 3/4" O.D. by 14 ga. wall galvanized steel tube, flared to securely attach the clip to the seat. The two (2) mounting triangles are secured to the seat by clips and are made from 3/8" steel round stock, formed and galvanized. For Model # 299-74, the lower 30" of the chain is finished in **Mira-Therm**.

- **Therapeutic Swing Seat** is a **fiberglass** seat molded to form a single piece chair with a red **Gelcoat** finish. A "T" configuration chain assembly attached to the front of the chair encloses the small user. All chain is **4/0 straight link coil chain**. All rubber surfaces are blue EPDM. All exposed metal surfaces are bright zinc plated.
- **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.
- **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" tube** is 1" OD, 15 ga. fluted **round tube**. It conforms to ASTM A-500.
- **1-1/2" tube** is 1-1/2" OD, 16 ga. **round tube**. It conforms to ASTM A-500.
- **3-1/4" tube** is 3-1/4" OD, 16 ga. **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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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), Flippopolamus (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), 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-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:

- 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.
- 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.
- 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.
- LIMITED FIFTEEN (15) YEAR WARRANTY** on Rock-Ite (R) against structural failure due to defects in materials or workmanship.
- LIMITED TEN (10) YEAR WARRANTY** on all Play Cover (R) steel frames against failure due to weather corrosion or defects in materials or workmanship.
- 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.
- 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.
- LIMITED FIVE (5) YEAR WARRANTY** on Kidrox (R) Climbing Rocks against structural failure due to defects in materials or workmanship.
- 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.
- LIMITED THREE (3) YEAR WARRANTY** on Slashproof Seats, Trim Timbers (TM), and 360° Bucket Tot Seats for Swings against structural failure due to defects in materials or workmanship.
- 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.

- **BASKETBALL COMPONENTS** shall be available as individual accessories or as packages, which include the following components: post, backboard, hoop rim, and net. *Posts:* The post for Model # 360-740 shall be constructed of **3" pipe**. The posts for Model # 360-127 and # 360-566 shall each be 194" long and constructed of **5" tube**. The post for all other models shall be constructed of **4" pipe**. The 3-1/2" O.D. post for the fixed height models shall be 186" long before bending. After bending, there shall be a 32" overhang. The 4-1/2" O.D. post for the fixed height models shall be 208" long before bending. After bending, there shall be a 48" overhang. At the beginning of the bend shall be 5/8" diameter holes for bolting the support braces to the post. Two 1/2" weld nuts shall be on 3-1/2" centers for securing the stub in the post with set screws. The 4-1/2" O.D. post for the adjustable height models shall be 188" long. *Extensions:* Extensions for models with adjustable height goals shall be constructed of 7 ga. sheet. *Support Braces:* The braces shall be of **1-1/2" tube**, 63-1/4" long. *Hoop Assembly:* The hoop rims shall be H. R. round bar, rolled to an inside diameter of 18". The single rim models and bottom rim of the double rim models have twelve wire forms **welded** around the diameter to accommodate the net. The gusset and rim support brace plate shall be constructed of 7 ga. sheet. *Nylon Cord Net (Model # 103-100):* The net shall be made of heavy duty braided nylon cord. *Chain Net (Model # 851-661):* The steel net shall be fabricated of #3 twin loop chain with 12 ga. "S" hooks. *Heavy Duty Chain Net (Model # 851-661-1):* The steel net shall be fabricated of 2/0 straight link coil chain with 7 ga. "S" hooks. *Steel Backboards:* The fan shaped steel backboards shall be constructed of 10 ga. **A-60 Galvannealed** steel measuring 55-3/4" wide x 38" high at the center. The rectangular steel backboard shall be constructed of 12 ga. **A-60 Galvannealed** steel measuring 72-3/8" wide x 48-11/64" high at the center, with two stiffening channels of 11 ga. **A-60 Galvannealed**. Reinforcing angles and brace tie angles shall be constructed of 1-1/2" x 1-1/2" x 1/8" steel angle. The bolting plate shall be constructed of 7 ga. sheet. The backboard assemblies shall be solid **welded**. *Aluminum Backboards:* The fan shaped backboard shall be constructed of **aluminum alloy** and shall measure 54" wide x 35" high at the center. The brackets shall be two piece assemblies solid **welded** with each piece constructed of 1-1/2" x 1-1/2" x 3/16" steel angle. *Stub Assembly:* The stub shall be constructed of 3-7/8" O.D. tube. The tube material shall be fabricated in the same manner as the support braces. The stub plate shall be constructed of 7 ga. sheet. All hardware shall be **Fastener Style A**. The post, hoop, and stub assembly shall be finished in **Perma-Guard**. The steel backboards shall have a white **Mira-Cote** finish.

- **CAMEL BACK CLIMBERS** shall be freestanding assemblies which present users with a stimulating climbing challenge and help to develop hand-foot-eye coordination, balance, and upper and lower body strength. The end ladder, upper ladder, and lower curved ladder rails shall be constructed of formed and drilled **2" pipe** with curved rungs of **1" tube** solid **welded** between them. End ladder and lower curved ladder rails shall have segments of 2.125" O.D. tube (.109 wall thickness) solid **welded** into ends to facilitate field attachment to upper ladder rails. Support rail shall be constructed of **1" pipe** with top end crimped for field attachment to lower curved ladder. All fastening hardware shall be **Fastener Style A**. The ladder assemblies and support rail shall be finished in **Mira-Cote**.

- **FREESTANDING MOGUL AND GROOVE SLIDES (PVC STEPS)** shall be freestanding **Rockite** slides, with enclosed platforms of 4', 5', 6'-6", and 8' heights, which shall feature a mogul or groove bedway, sit-down canopy, and PVC-coated steel steps with handrails. The one-piece mogul and groove slides shall each be constructed of double-wall **Rockite**, each wall being 3/16" to 1/4" thick, with all corners rounded. Each shall have 6" high side rails, an overall width of 25" and an 18" wide sliding surface. Bedway lengths for models with 4' platforms shall be approximately 7'-6", 5' platforms, 9'-5", 6'-6" platforms, 12'-0", and 8' platforms, 14'-4". The canopy shall be constructed of double-wall **Rockite**, each wall being 3/16" to 1/4" thick, with all corners rounded and a molded-in 30 degree extension. The platform shall be constructed of 3/16" x 2' x 3' angles, drilled and solid

welded to a brace of 3/16" x 1-1/2" flat and decking of 1/2" x 11 ga. expanded metal. Handrails shall be constructed of drilled and formed 1" pipe with threaded inserts in top ends and plastic pipe plugs in bottoms. Platform enclosures shall comprise a top and bottom rail and uprights of 1" pipe with spoked infill of 3/4" x 1" oval tube, all solid welded, with threaded inserts in stubs at top and plastic pipe plugs in bottoms. The step assembly shall comprise 17-3/4" wide steps of 1/2" x 11 ga. expanded metal solid welded between drilled and formed 7 ga. black sheet step stringers and a top bolting plate of 11 ga. black sheet. Diagonal braces shall be constructed of 1-1/2" tube with mashed and drilled end. The front leg shall comprise a 24" leg of 2" pipe solid welded to a 7" x 7" bolting plate of 11 ga. G-90 galvanized. The middle leg for models with 5', 6'-6", and 8' platforms, and upper leg for models with 8' platforms, shall comprise a length of 2" pipe solid welded to a bolting plate of 11 ga. A-60 Galvannealed. Step supports shall be constructed of formed 1" pipe with mashed ends. All fastening hardware shall be Fastener Style A. The Rockite slide and canopy shall have color molded in. The platform and steps shall be finished in Mira-Therm. The handrails, enclosures, legs, braces and step supports shall be finished in Mira-Cote.

- **ANIMAL HOPS** shall be bounce-action riders. Model # 925 and # 925-1 shall have two rider arms. Model # 926 and # 926-1 shall have four rider arms. Model # 925 and # 926 shall feature rotomolded pony rider figures. The box assembly shall have sides of 7 ga. sheet steel, a 7/16" x 18" x 18" base plate, and a 3/4" x 1-1/4" steel pin. The enclosure (for Model # 925 and # 925-2 only) shall consist of angled plate constructed of 1/4" steel plate, a top brace constructed of 1/4" x 1-1/2" flat, and a 1-5/8" steel pin. The top cap shall be constructed of 11 ga. sheet and 1/4" x 1-1/2" flat. The rider body shall consist of a Rockite figure or mold positive supported by the body frame. The body frame shall be constructed of 1-1/2" tube, handholds shall be constructed of 1" tube, a cross brace shall be constructed of 1-1/2" x 1-1/2" x 3/16" angle, and a mounting plate base shall be constructed of 7 ga. sheet. The frame assembly shall be solid welded. The arms shall consist of an arm channel and an animal channel, both constructed of 4" x 2" x 3/16" rectangular tube, a gusset constructed of 1/4" x 2" flat, angled plate constructed of 1/4" steel plate, a top brace constructed of 1/4" x 1-1/2" flat, a 3/4" x 1-1/4" steel pin, and a 1-5/8" steel pin. Each arm shall be of solid welded construction. Each footrest shall consist of a formed 1" tube footrest bar (with 1" stainless steel plugs closing ends), with two tie bars of 1/4" flat solid welded. All fastener hardware shall be Fastener Style A or ASTM-A153 mechanically galvanized steel. The box assembly, arms, and enclosures shall have a Perma-Guard finish. The footrests shall have a galvanized finish. The Rodeo Rocky animal rider shall have color molded in and shall be finished in a base coat with colorful trim.
- **SWING SEATS** shall reference one of the following in Miracle's "Glossary of Technical Data for Materials, Processes and Finishes": **Slashproof Seat, 360 Degree Slashproof Tot Seat, Therapeutic Swing Seat or Mirage Therapeutic Swing Seat.**

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 hot dipped galvanized with a 670 pound working load limit. All chain shall be manufactured to ASTM A467-86A Class CS specifications.
- **Fastener Style A** is a corrosion resistant, 18-8, stainless steel, vandal resistant fastener.
- **fiberglass** components are sprayed-up isophthalic molding resin with fiberglass reinforcements. The resins and fiberglass are tested in accordance with ASTM D-790, D-38-0651 and D-638. All sprayed up fiberglass components have a Gelcoat finish which is molded in during the spray up process.
- **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".
- **Gelcoat** is formulated with tough flexible polyester resins containing isophthalic acid and neopentyl glycol for maximum performance. Gelcoat is U.V. light stabilized and is blister resistant after long term exposure to water. Gelcoat meets USAS standard E 124.2 and Canadian standard Can 3-B45-Series-M-81.
- **G-90 galvanized** indicates that a coating of .90 ounces of zinc per square foot has been applied on each surface side.
- **A-60 Galvannealed** 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-Therm 2 (TM)** is a polyvinyl chloride coating applied to a thickness of 1/16" to 1/8". Primed metal parts are heated and then dipped in a vinyl plastisol solution. As the vinyl plastisol is heated, fusion takes place and the liquid is converted into a tough, homogenous mass with excellent abrasion, aging, corrosion and electrical resistance. Mira-Therm 2 contains U.V. light stabilizers, anti-microbial additives and color pigments. Mira-Therm 2 contains no orthophthalates or other banned substances. Mira-Therm 2 is a proprietary brand of PVC. Materials are tested in accordance with ASTM D-638, ASTM D-412, ASTM D-2240 and ASTM D-1004. Mira-Therm 2 meets the FMVS 302 flammability rating, the requirements of California State Law and the 2008 CPSI Act.
- **Perma-Guard (TM)** is an acrylic polyurethane, two component ultra-violet radiation inhibited coating. Three U.V. inhibitors and antioxidants work synergistically to provide protection from all climate and environmental conditions. Perma-Guard's hard, smooth surface makes it impact resistant and able to withstand heavy traffic and abuse. Graffiti can be removed with a suitable solvent. For metal parts, 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. Perma-Guard is applied and either air-dried or baked-on in an oven at 180 degrees F to form a hard, smooth, durable finish.
- **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.
- **1" pipe** is **GATOR GRIP** embossed 14 ga., **1" pipe sized tube** (1.315" OD; approx. 1-5/16" OD.)
- **2" pipe** is 12 ga., **2" pipe sized tube** (2.375" OD; approx. 2-3/8" OD.)
- **3" pipe** is 5 ga., **3" pipe sized tube** (3.500" OD; 3-1/2" OD.)
- **4" pipe** is 7 ga., **4" pipe sized tube** (4.500" OD; 4-1/2" OD.)
- **plastic pipe plugs** are injection molded polypropylene containing U.V. light stabilizers.
- **Rockite (R)** (Rotational Molding 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".
- **Slashproof Seat** is a flexible flat single strap seat with end attachment points and an exterior surface of blue EPDM rubber. Models with chain have two segments of **4/0 straight link coil chain** to suspend the swing from a swing frame header. The slashproof seat is constructed of a 4" wide inner steel insert of type 301 stainless spring steel, 0.020" thick. The slashproof seat is 26" long (excluding mounting triangles) x 5" wide x 5/8" thick at the front and rear leading cushion edges. The rubber molded to the steel core is 70 durometer blue EPDM. At each end, a 16 ga. galvanized steel clip 3" wide is attached by three stainless steel rivets through the clip and seat subassembly. A 3/8" diameter galvanized steel mounting triangle is encompassed by the steel clip at each end of the seat. For Model # 284-74, the lower 30" of the chain is finished in **Mira-Therm**.
- **360 Degree Slashproof Tot Seat** is a flexible seat fabricated into a configuration of a wide strap under and through the bottom, a wide strap running completely around at the top, and two (2) interconnecting straps at the front and rear of the seat for complete enclosure of the small user. The exterior surface is blue EPDM rubber. Models with chain have two segments of **4/0 straight link coil chain** to suspend the swing from a swing frame header. The 360 degree tot seat is constructed of a one piece die cut 0.020" thick, martensitic spring steel insert with 70 durometer blue EPDM rubber, 1/4" thick, molded to the insert. The main seat strap is 5" wide, the back strap is 4" wide, and the front strap is 2" wide. The two (2) places where the straps are interconnected and form the suspension points for the seat are held by a clip and grommet system. The clip is 4" wide 16 ga. galvanized steel. There are two grommets per clip, each of which is 3/4" O.D. by 14 ga. wall galvanized steel tube, flared to securely attach the clip to the seat. The two (2) mounting triangles are secured to the seat by clips and are made from 3/8" steel round stock, formed and galvanized. For Model # 299-74, the lower 30" of the chain is finished in **Mira-Therm**.
- **Therapeutic Swing Seat** is a **fiberglass** seat molded to form a single piece chair with a red **Gelcoat** finish. A "T" configuration chain assembly attached to the front of the chair encloses the small user. All chain is **4/0 straight link coil chain**. All rubber surfaces are blue EPDM. All exposed metal surfaces are bright zinc plated.

- **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.
- **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" tube** is 1" OD, 15 ga. fluted **round tube**. It conforms to ASTM A-500.
- **1-1/2" tube** is 1-1/2" OD, 16 ga. **round tube**. It conforms to ASTM A-500.
- **5" tube** is 5" OD, 13 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.
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• 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-It (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), 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-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:

- 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.
- 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.
- 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.
- LIMITED FIFTEEN (15) YEAR WARRANTY** on Rock-It (R) against structural failure due to defects in materials or workmanship.
- LIMITED TEN (10) YEAR WARRANTY** on all Play Cover (R) steel frames against failure due to weather corrosion or defects in materials or workmanship.
- 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.
- 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.
- LIMITED FIVE (5) YEAR WARRANTY** on Kidrox (R) Climbing Rocks against structural failure due to defects in materials or workmanship.
- 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.
- LIMITED THREE (3) YEAR WARRANTY** on Splashproof Seats, Trim Timbers (TM), and 360" Bucket Tot Seats for Swings against structural failure due to defects in materials or workmanship.
- 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.

- FITNESS COURSE (10 STATION) WITH SIGNS** shall comprise a Step Up, a Leg-Lift, a Body Curl, a set of Parallel Bars, a Horizontal Ladder, a Sit Up, a Jump-Up, a Chin Up, a Balance Beam, a Vertical-Climb, and corresponding signs with frames depicting proper use of the equipment. The *Step Up* shall be designed to allow users to "stretch out" before beginning exercises, helping to prevent injuries. The 130" steel center post shall be constructed of **3-1/2" tube** with **3-1/2" round end caps** mechanically fastened to the top end. The T-frame assemblies shall be constructed of **3-1/2" tube** solid **welded** in a "T" configuration with **3-1/2" round end caps** mechanically fastened to horizontal ends of "T." The assemblies shall be 57-1/2", 49-1/2", and 41-1/2". The post and T-frame assemblies shall have a **Mira-Cote** finish. The *Leg Lift* shall permit users to perform the traditional exercise. The leg lift shall comprise a 130" long post of **3-1/2" tube** with a **3-1/2" round end cap** mechanically fastened to its top end, with "crunch bars" solid **welded** on opposite sides, which shall be constructed of handhold supports of 7 ga. sheet **A-60 Galvannealed** solid **welded** to handhold rungs of formed **1" pipe**. The assembly shall be finished in **Mira-Cote**. The *Body Curl* shall permit users to perform the traditional exercise. The body curl frame shall be constructed of formed **2" pipe, A-60 Galvannealed**, with 7 ga. braces, **welded** to a handhold assembly to be constructed of formed and **welded 1" pipe, A-60 Galvannealed**. The bench shall be constructed of formed decking of 16 ga. perforated steel containing .489" O.D. holes in a .699" stagger pattern solid **welded** to a frame of 3/16" x 2" HRF with mounting braces of 3/16" x 1-1/2" HRF and end plates of 3/16" x 2" HRF black sheet, A-60 Galvannealed. The frame shall have a **Mira-Cote** finish. The bench shall have a **Mira-Therm** finish. The *Parallel Bars* shall comprise two elevated rails to be field assembled parallel with one another on the same plane. The bars shall be constructed of **2" pipe, A-60 Galvannealed**. The bars shall be finished in **Mira-Cote**. The *Horizontal Ladder* shall be an overhead climber activity which shall challenge users to move from one end to the other without touching the ground by grasping consecutive rungs while suspending their bodies. The top section and leg sections shall comprise formed side rails and rungs solid **welded** between the rails. The rails shall be constructed of **2" pipe**. The rungs shall be constructed of **1" pipe**. The connectors shall be constructed of **2" tube**. All hardware shall be **Fastener Style A**. The top section and leg sections shall be finished in **Mira-Cote**. The *Sit Up* shall permit users to perform the traditional exercise. The Sit Up frame shall be constructed of formed **2" pipe, A-60 Galvannealed**, solid **welded** to foot supports of the same material and bench-mounting brackets constructed of 7 ga. black sheet. The bench shall be constructed of formed decking of 16 ga. perforated steel containing .489" O.D. holes in a .699" stagger pattern solid **welded** to a frame of 3/16" x 2" HRF with mounting braces of 3/16" x 1-1/2" HRF and end plates of 3/16" x 2" HRF black sheet, **A-60 Galvannealed**. The frame shall have a **Mira-Cote** finish. The bench shall be finished in **Mira-Therm**. The *Jump Up* shall challenge users to determine what height they can reach when making a sprinted or stationary leap. The Jump Up shall be constructed of formed **2" pipe, A-60 Galvannealed**. The Jump Up shall be finished in **Perma-Guard**. The *Chin Up* shall permit users to perform the traditional chinning bar exercise. The Chin Up outer frame shall be constructed of formed **2" pipe, A-60 Galvannealed** with formed rungs of **1" pipe, A-60 Galvannealed** solid **welded** within. The Chin Up shall be finished in **Perma-Guard**. The *Balance Beam* shall challenge users while helping them develop coordination, balance, and strength. The beam and legs shall be constructed of **4" square tube**. Beam end caps shall be die-formed 16 ga. **A-60 Galvannealed** steel sheet. The entire assembly shall be solid **welded**. The Balance Beam assembly shall have a **Mira-Cote** finish. The *Vertical Climb* assembly shall comprise an arch and eight parallel rungs set 12" apart center-to-center, with the bottom rung being set in the field at 12' from finished grade. The unit shall be designed to permit users to climb up one side, through (or around) the arch, and down the other side. The units shall consist of a single-piece arch of **3-1/2" tube** measuring 36" from leg center to leg center and 189-1/2" overall, with eight rungs of **1" pipe** solid **welded** between arch legs. The Vertical Climb shall have a **Mira-Cote** finish. Model # 160-200 shall be the *sign frame* assembly which supports Model # 160-201 through # 160-220 *fitness course signs* either on one side or on both sides. The "U"-frame shall be constructed of a formed arch of **1-1/2" pipe, A-60 Galvannealed** with solid **welded** brackets of 11 ga. sheet, **A-60 Galvannealed**, drilled and formed. The "U"-frame height shall be 89-3/4" to top surface and shall have legs set 10-1/2" apart. Each sign shall be polycarbonate sheet with UV inhibitors, drilled, with a silk-screened image on one side. The sign frame shall be finished in **Mira-Cote**.

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.
- 3-1/2" 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 Galvannealed** 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-Therm 2 (TM)** is a polyvinyl chloride coating applied to a thickness of 1/16" to 1/8". Primed metal parts are heated and then dipped in a vinyl plastisol solution. As the vinyl plastisol is heated, fusion takes place and the liquid is converted into a tough, homogenous mass with excellent abrasion, aging, corrosion and electrical resistance. Mira-Therm 2 contains U.V. light stabilizers, anti-microbial additives and color pigments. Mira-Therm 2 contains no orthophthalates or other banned substances. Mira-Therm 2 is a proprietary brand of PVC. Materials are tested in accordance with ASTM D-638, ASTM D-412, ASTM D-2240 and ASTM D-1004. Mira-Therm 2 meets the FMVS 302 flammability rating, the requirements of California State Law and the 2008 CPSI Act.

- **Perma-Guard (TM)** is an acrylic polyurethane, two component ultra-violet radiation inhibited coating. Three U.V. inhibitors and antioxidants work synergistically to provide protection from all climate and environmental conditions. Perma-Guard's hard, smooth surface makes it impact resistant and able to withstand heavy traffic and abuse. Graffiti can be removed with a suitable solvent. For metal parts, 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. Perma-Guard is applied and either air-dried or baked-on in an oven at 180 degrees F to form a hard, smooth, durable finish.

- **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.

- **1" pipe** is **GATOR GRIP** embossed 14 ga., **1" pipe sized tube** (1.315" OD; approx. 1-5/16" OD.)

- **1-1/2" pipe** is 13 ga., **1-1/2" pipe sized tube** (1.900" OD; approx. 1-7/8" OD.)

- **2" pipe** is 12 ga., **2" pipe sized tube** (2.375" OD; approx. 2-3/8" OD.)

- **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.

- **4" square tube** is 13 ga., **4" square tube**.

- **2" tube** is 2" OD, 14 ga. **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.

- **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.



Product Specifications

September 8, 2006

Rev. B

MIRACLE
RECREATION EQUIPMENT COMPANY

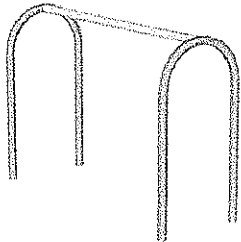
Tots' Choice®

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

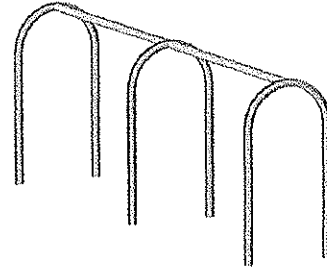
718-852-2 & 718-852-4 & 718-852-6

718-852-8 & 718-852-1H & 714-852-2HH Extensions

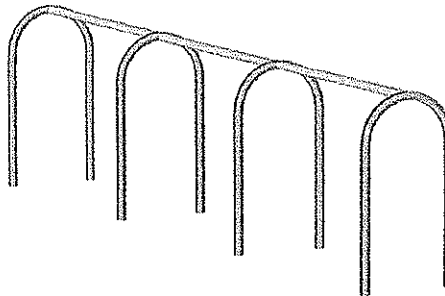
1 Bay (for 2 Seats)



2 Bay (for 4 Seats)



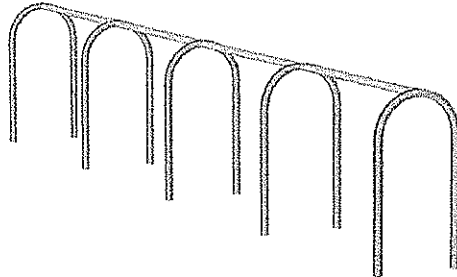
3 Bay (for 6 Seats)



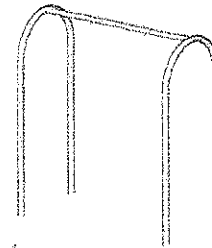
718-852-2 & 718-852-4 & 718-852-6

718-852-8 & 718-852-1H & 714-852-2HH Extensions

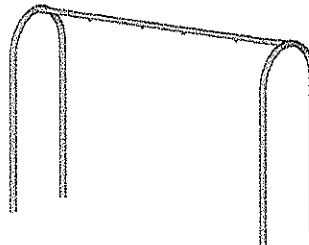
4 Bay (for 8 Seats)



Arch Swing Frame - Therapeutic
Swing Seat



Arch Swing Frame
Therapeutic Swing Seat
1 Bay (for 2 Seats)



Arch Swing Frames

718-852-2, 718-852-4, 718-852-6, 718-852-8, 718-852-1H, 718-852-2HH,
718-852-1HX, 718-852-2HHX, 718-852-2X



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

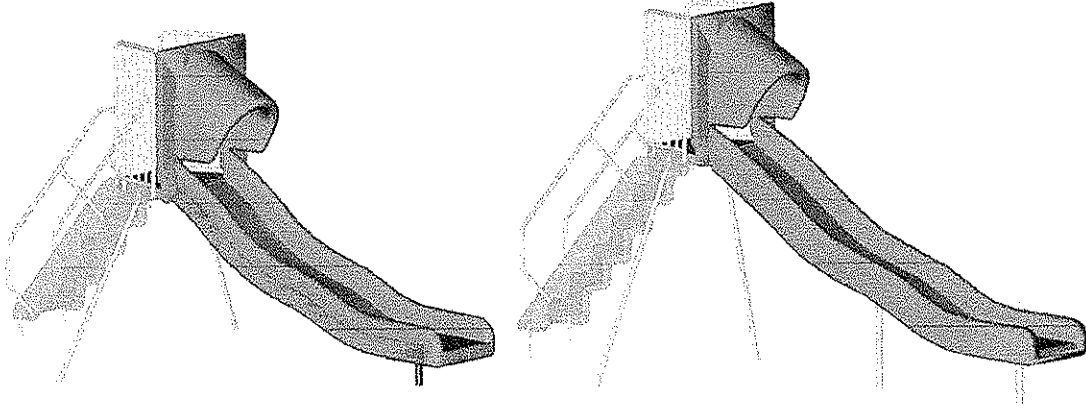
Rev. C

Mogul & Groove Slides with PVC Steps, with 4', 5' & 6'-6" Platforms

65-726-4 & 65-726-5

65-726-6 | 65-727-4 | 65-727-5 | 65-727-6

Mogul Slide with PVC Steps, 4' Platform Mogul Slide with PVC Steps, 5' Platform



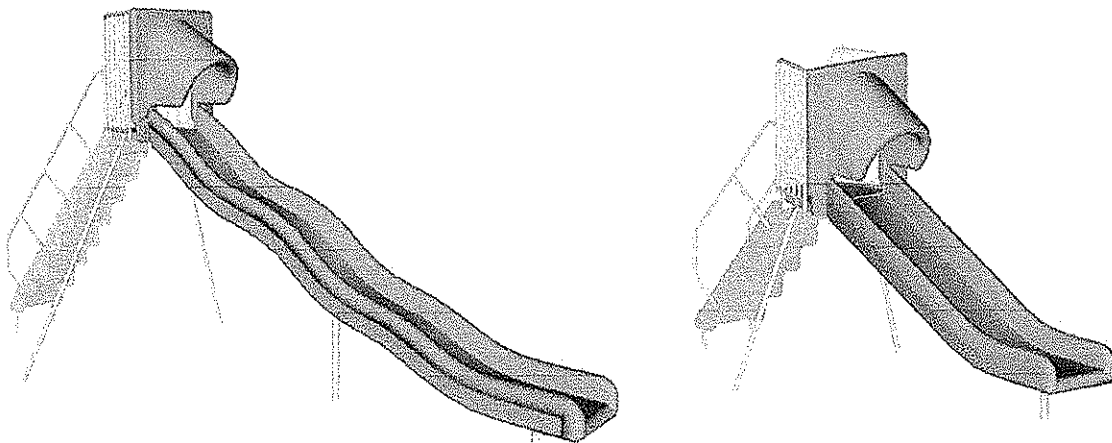
65-726-4 | 65-726-5

65-726-6 & 65-727-4

65-727-5 | 65-727-6

**Mogul Slide with PVC Steps,
6'-6" Platform**

**Groove Slide with PVC Steps,
4' Platform**



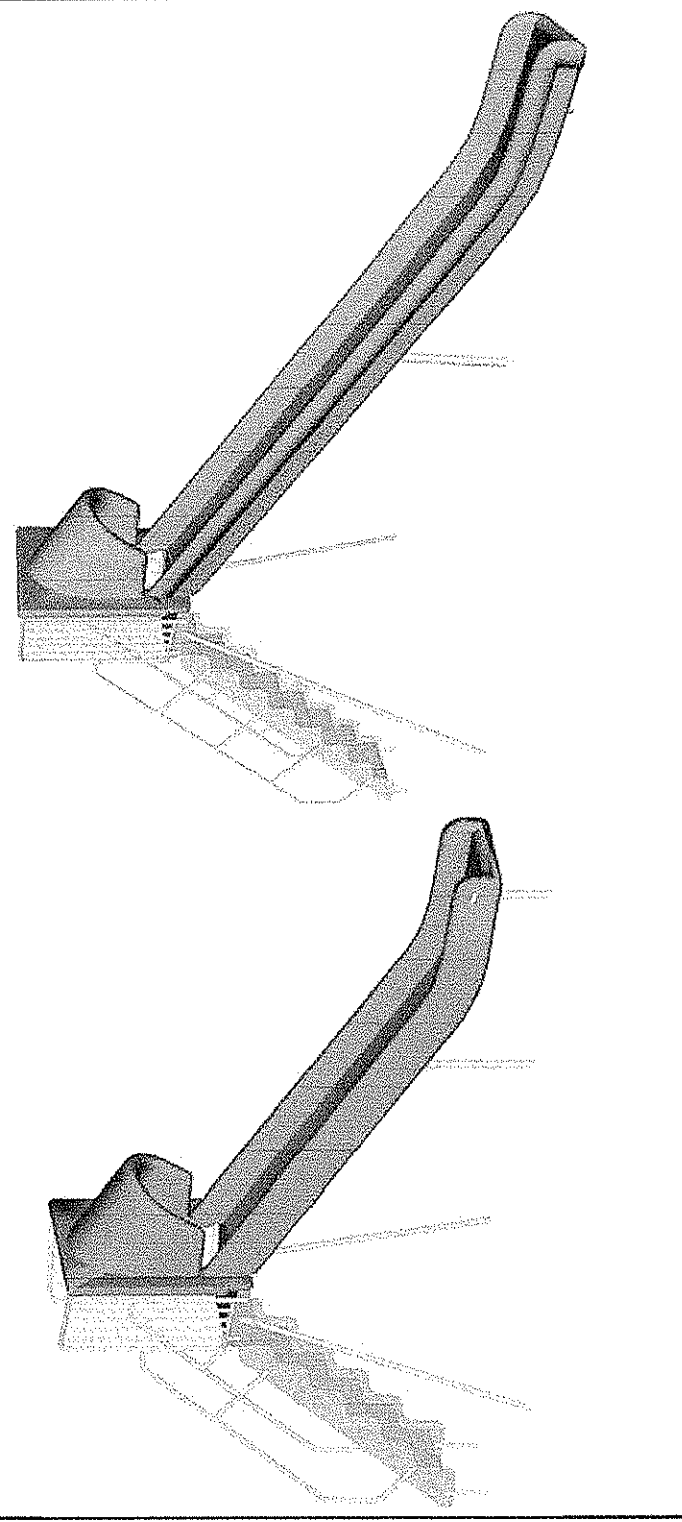
Mogul & Groove Slides w/ PVC Steps

65-726-4, 65-726-5, 65-726-6, 65-727-4, 65-727-5, 65-727-6

Mogul & Groove Slides

Mogul & Groove Slides w/ PVC Steps

65-727-4	65-727-5	65-727-6	65-727-5 & 65-727-6
Groove Slide with PVC Steps, 5' Platform			Groove Slide with PVC Steps, 6'-6" Platform





Product Specifications

Nov. 12, 2002 Rev. A

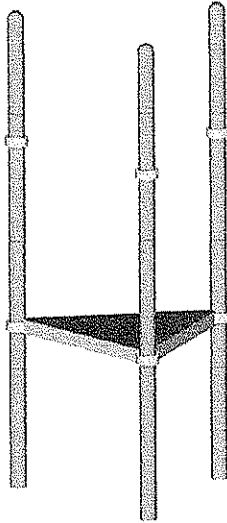
MIRACLE
RECREATION EQUIPMENT COMPANY

Tots' Choice® - Mira-Therm II
Decks

718-501-9 and 718-502-9

Triangle Deck (Tri-Deck)

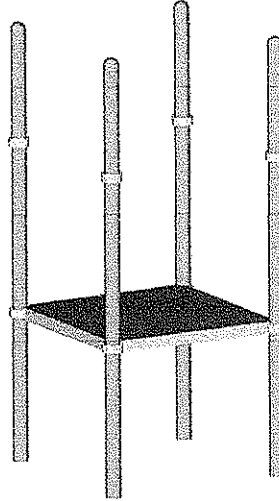
Model # 718-501-9 requires three (3) Posts.



718-503-9 and 718-504-9

Square Deck

Model # 718-502-9 requires four (4) Posts.

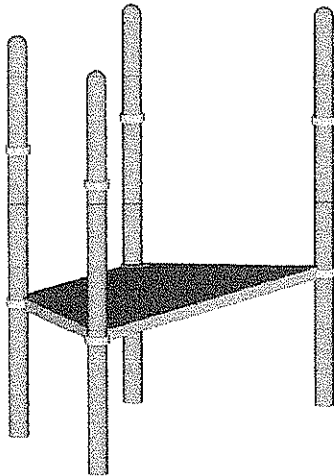


718-503-9 and 718-504-9

718-503-9 and 718-504-9

Half Hexagon Deck (1/2 Hex)

Model # 718-503-9 requires four (4) Posts if used with Filppo components, or six (6) Posts and two (2) Decks to form a complete Hex Deck.



Half Hexagon Deck - Open (1/2 Hex Open)

Model # 718-504-9 requires five (5) Posts.



Decks

718-501-9, 718-502-9, 718-503-9, 718-504-9



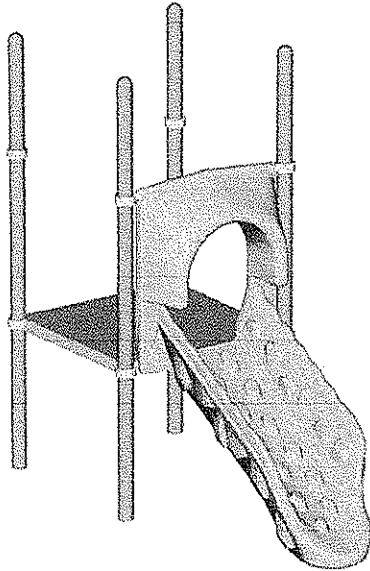
MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

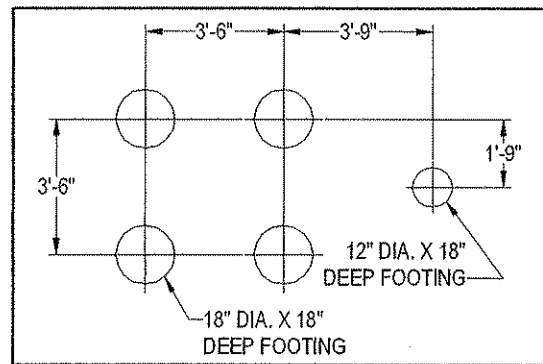
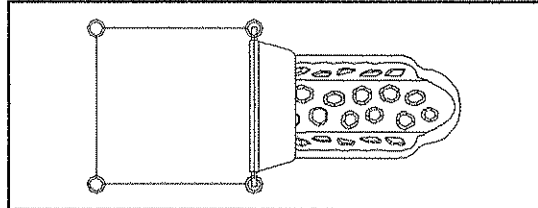
Tots' Choice®
Tot Rock Climber for 3' Deck
Deck system not included in this assembly.

718-787

Tot Rock Climber for 3' Deck



Top View



Footing Layout

Tot Rock Climber

718-787



Product Specifications

Rev. J

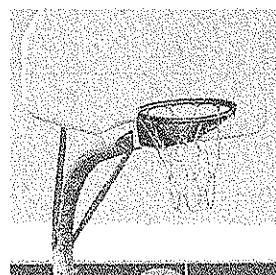
MIRACLE
RECREATION EQUIPMENT COMPANY

Basketball Goal Packages & Accessories

Fixed Goal Packages and Adjustable Goal Packages Accessories

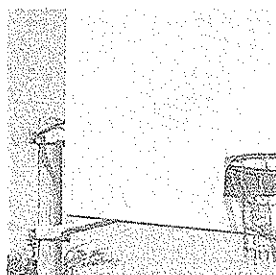
Fixed Goal Packages

# 360-740	Steel Fan Backboard,	Single Rim,	Chain Net,	32" Extension
# 360-753	Steel Fan Backboard,	Single Rim,	Chain Net,	48" Extension
# 360-755	Steel Rectangular Backboard,	Single Rim,	Chain Net,	48" Extension
# 360-756	Steel Fan Backboard,	Double Rim,	Chain Net,	48" Extension
# 360-757	Steel Fan Backboard,	Double Rim,	Nylon Cord Net,	48" Extension
# 360-758	Aluminum Fan Backboard,	Double Rim,	Chain Net,	48" Extension
# 360-759	Aluminum Fan Backboard,	Double Rim,	Nylon Cord Net,	48" Extension



Adjustable Goal Packages

# 360-110	Steel Fan Backboard,	Single Rim,	Chain Net,	48" Extension
# 360-504	Steel Rectangular Backboard,	Single Rim,	Chain Net,	48" Extension
# 360-127	Steel Fan Backboard,	Single Rim,	Chain Net,	72" Extension



Fixed Goal Packages and Adjustable Goal Packages Accessories

Rims

# 851-670	Single Rim for Chain Net
# 851-671	Single Rim for Nylon Net
# 856-336	Double Rim for Chain Net
# 856-336-1	Double Rim for Nylon Net
# 976-560	Rim Fastener Kit

Nets

# 103-100	Nylon Net
# 851-661	Chain Net
# 851-661-1	Heavy Duty Chain Net

Braces

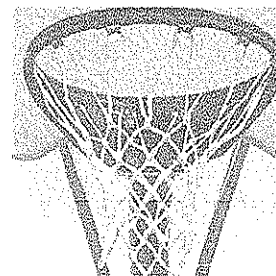
# 851-651	Brace for Single Post
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Backboards

# 851-650	Steel Fan Backboard
# 851-690	Steel Rectangular Backboard
# 854-401	Cast Aluminum Fan Backboard

Posts

# 853-688	4-1/2" OD Adjustable Post, 48" Extension (for Rectangular Backboard)
# 856-991	3-1/2" OD Cantilevered Post, 32" Extension
# 856-992	4-1/2" OD Adjustable Post, 48" Extension
# 856-993	5-9/16" OD Adjustable Post, 72" Extension
# 856-994	4-1/2" OD Cantilevered Post, 48" Extension



Basketball Goal Packages & Accessories

360-740, 360-753, 360-755, 360-756, 360-757, 360-758, 360-759, 360-110, 360-504, 360-127, 851-670, 851-671, 856-336, 856-336-1, 976-560, 851-650, 851-651, 851-652, 851-653, 851-654, 851-655, 851-656, 851-657, 851-658, 851-659, 851-660, 851-661, 851-661-1, 851-662, 851-663, 851-664, 851-665, 851-666, 851-667, 851-668, 851-669, 851-670, 851-671, 851-672, 851-673, 851-674, 851-675, 851-676, 851-677, 851-678, 851-679, 851-680, 851-681, 851-682, 851-683, 851-684, 851-685, 851-686, 851-687, 851-688, 851-689, 851-690, 851-691, 851-692, 851-693, 851-694, 851-695, 851-696, 851-697, 851-698, 851-699, 851-700, 851-701, 851-702, 851-703, 851-704, 851-705, 851-706, 851-707, 851-708, 851-709, 851-710, 851-711, 851-712, 851-713, 851-714, 851-715, 851-716, 851-717, 851-718, 851-719, 851-720, 851-721, 851-722, 851-723, 851-724, 851-725, 851-726, 851-727, 851-728, 851-729, 851-730, 851-731, 851-732, 851-733, 851-734, 851-735, 851-736, 851-737, 851-738, 851-739, 851-740, 851-741, 851-742, 851-743, 851-744, 851-745, 851-746, 851-747, 851-748, 851-749, 851-750, 851-751, 851-752, 851-753, 851-754, 851-755, 851-756, 851-757, 851-758, 851-759, 851-760, 851-761, 851-762, 851-763, 851-764, 851-765, 851-766, 851-767, 851-768, 851-769, 851-770, 851-771, 851-772, 851-773, 851-774, 851-775, 851-776, 851-777, 851-778, 851-779, 851-780, 851-781, 851-782, 851-783, 851-784, 851-785, 851-786, 851-787, 851-788, 851-789, 851-790, 851-791, 851-792, 851-793, 851-794, 851-795, 851-796, 851-797, 851-798, 851-799, 851-800, 851-801, 851-802, 851-803, 851-804, 851-805, 851-806, 851-807, 851-808, 851-809, 851-810, 851-811, 851-812, 851-813, 851-814, 851-815, 851-816, 851-817, 851-818, 851-819, 851-820, 851-821, 851-822, 851-823, 851-824, 851-825, 851-826, 851-827, 851-828, 851-829, 851-830, 851-831, 851-832, 851-833, 851-834, 851-835, 851-836, 851-837, 851-838, 851-839, 851-840, 851-841, 851-842, 851-843, 851-844, 851-845, 851-846, 851-847, 851-848, 851-849, 851-850, 851-851, 851-852, 851-853, 851-854, 851-855, 851-856, 851-857, 851-858, 851-859, 851-860, 851-861, 851-862, 851-863, 851-864, 851-865, 851-866, 851-867, 851-868, 851-869, 851-870, 851-871, 851-872, 851-873, 851-874, 851-875, 851-876, 851-877, 851-878, 851-879, 851-880, 851-881, 851-882, 851-883, 851-884, 851-885, 851-886, 851-887, 851-888, 851-889, 851-890, 851-891, 851-892, 851-893, 851-894, 851-895, 851-896, 851-897, 851-898, 851-899, 851-900, 851-901, 851-902, 851-903, 851-904, 851-905, 851-906, 851-907, 851-908, 851-909, 851-910, 851-911, 851-912, 851-913, 851-914, 851-915, 851-916, 851-917, 851-918, 851-919, 851-920, 851-921, 851-922, 851-923, 851-924, 851-925, 851-926, 851-927, 851-928, 851-929, 851-930, 851-931, 851-932, 851-933, 851-934, 851-935, 851-936, 851-937, 851-938, 851-939, 851-940, 851-941, 851-942, 851-943, 851-944, 851-945, 851-946, 851-947, 851-948, 851-949, 851-950, 851-951, 851-952, 851-953, 851-954, 851-955, 851-956, 851-957, 851-958, 851-959, 851-960, 851-961, 851-962, 851-963, 851-964, 851-965, 851-966, 851-967, 851-968, 851-969, 851-970, 851-971, 851-972, 851-973, 851-974, 851-975, 851-976, 851-977, 851-978, 851-979, 851-980, 851-981, 851-982, 851-983, 851-984, 851-985, 851-986, 851-987, 851-988, 851-989, 851-990, 851-991, 851-992, 851-993, 851-994, 851-995, 851-996, 851-997, 851-998, 851-999, 852-000



MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

September 27, 2007

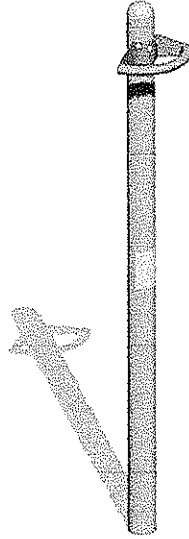
Rev. B

Tots' Choice[®] Crunch Station

Deck system or Post not included in this assembly.

718-782

Crunch Station



Note: Top View and Footing Layout not shown. Model mounts vertically to installed Deck Post.

Crunch Station

718-782



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

April 28, 2004

Rev. E

Animal Hops - 2 Way & 4 Way

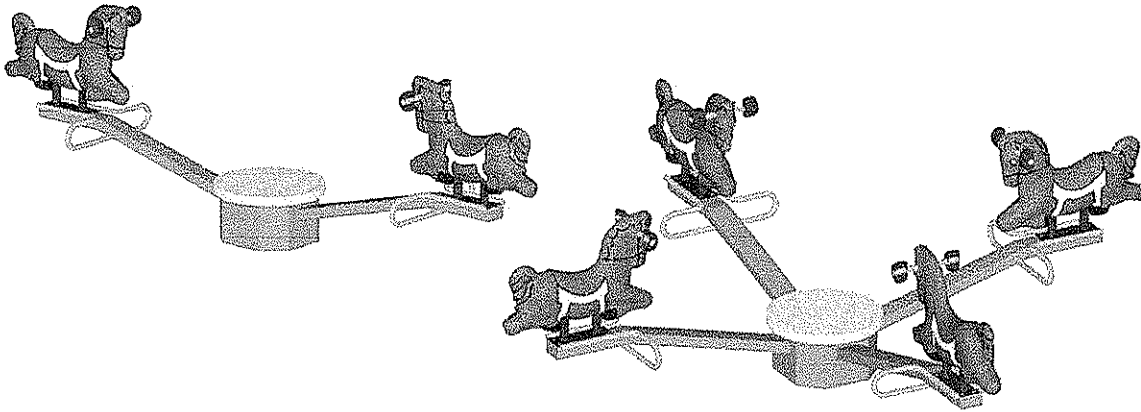
925 & 925-1* and 926 & 926-1**

2 Way Animal Hop w/ "Rodeo Rocky"

*Model # 925-1 -- 2 Way Animal Hop Without Animals not shown.

4 Way Animal Hop w/ "Rodeo Rocky"

**Model # 926-1 -- 4 Way Animal Hop Without Animals not shown.



Animal Hops

925, 925-1, 926, 926-1

Freestanding Funnel Tunnels

Freestanding Funnel Tunnels

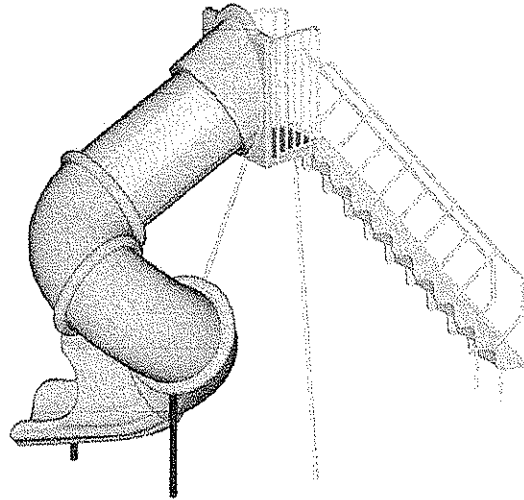
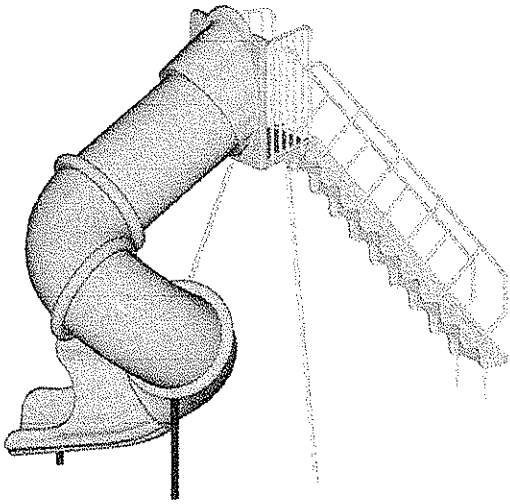
65-742-8 & 65-742-8W

65-742-8 & 65-742-8W

65-742-81 & 65-742-81W

Freestanding Funnel Tunnel, 8'; Left

Freestanding Funnel Tunnel, 8'; Left; with Windows

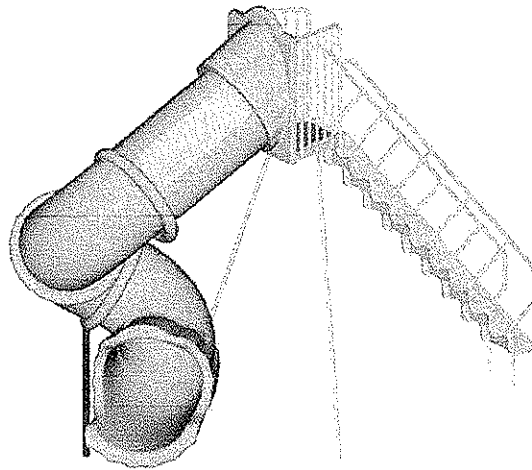
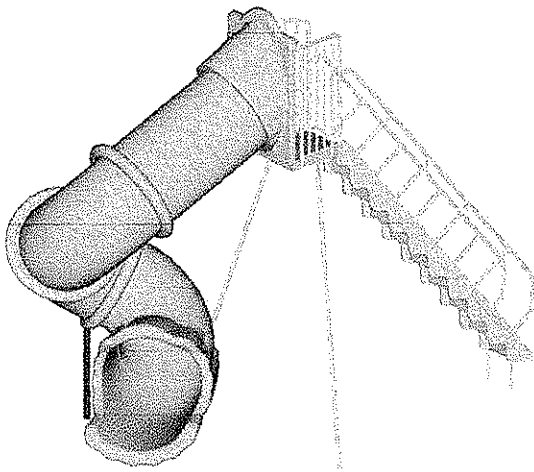


65-742-81 & 65-742-81W

65-742-81 & 65-742-81W

Freestanding Funnel Tunnel, 8'; Right

Freestanding Funnel Tunnel, 8'; Right; with Windows



65-742, 65-742W, 65-742-1, 65-742-1W, 65-742-8, 65-742-8W, 65-742-81, 65-742-81W



Installation Guide

MIRACLE
RECREATION EQUIPMENT COMPANY

Tots' Choice®

Bumper Ladders from 3' Deck, 5' Deck, and 6' Deck

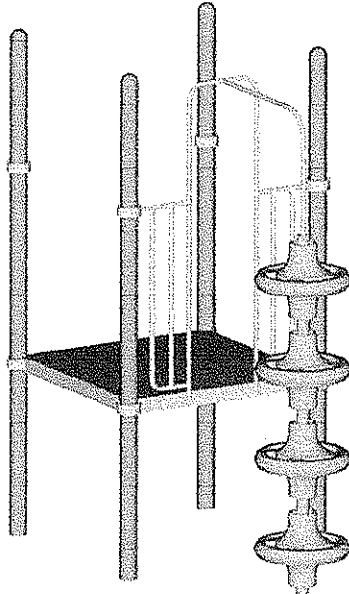
Deck system not included in these assemblies.

718-976-3

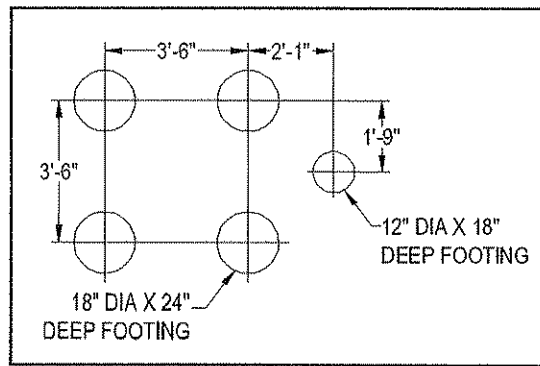
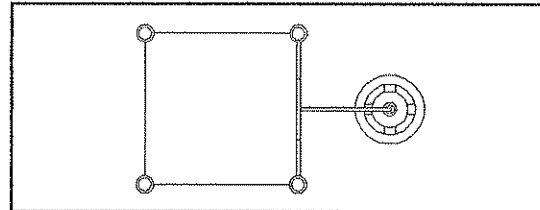
718-976-5

718-976-6

Bumper Ladder from 3' Deck



Top View



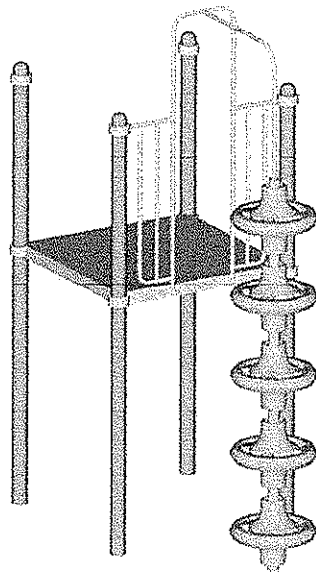
Footing Layout

718-976-3

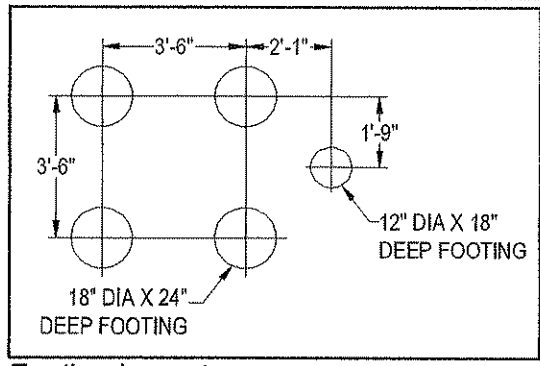
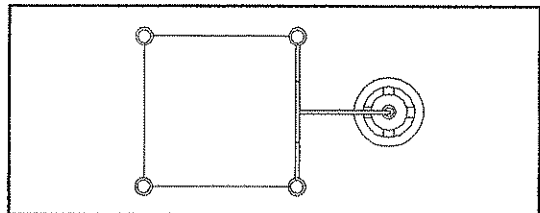
718-976-5

718-976-6

Bumper Ladder from 5' Deck



Top View



Footing Layout

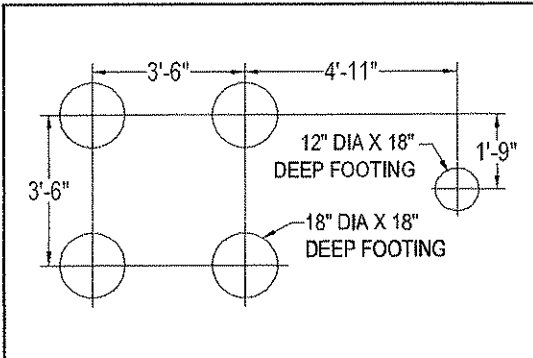
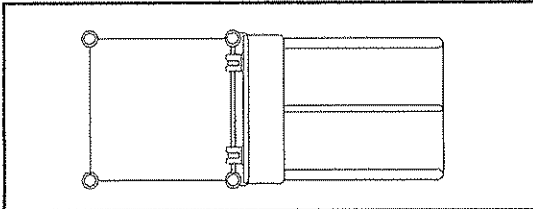
Bumper Ladders

718-976-3, 718-976-5, 718-976-6

Tots' Choice®

Side-by-Side Slide, Bump & Glide Slides & Ski Slide

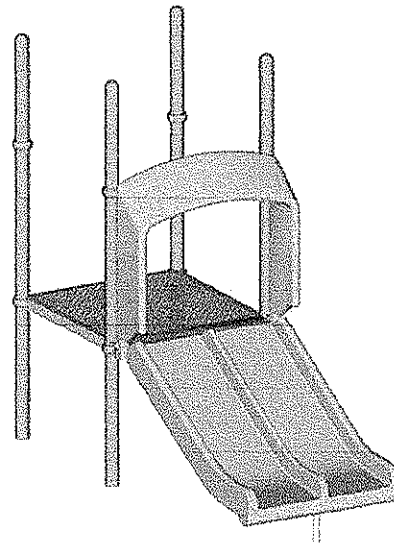
Top View



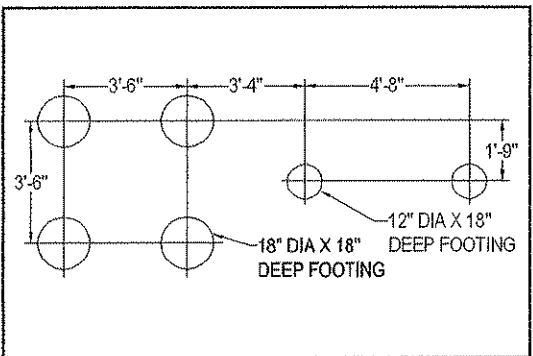
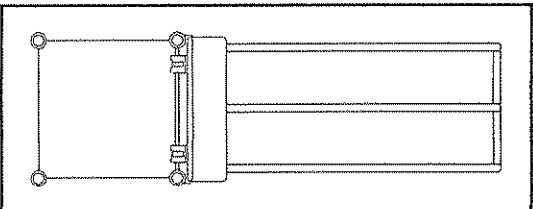
Footing Layout

718-700

Side-by-Side Slide from 3' Deck



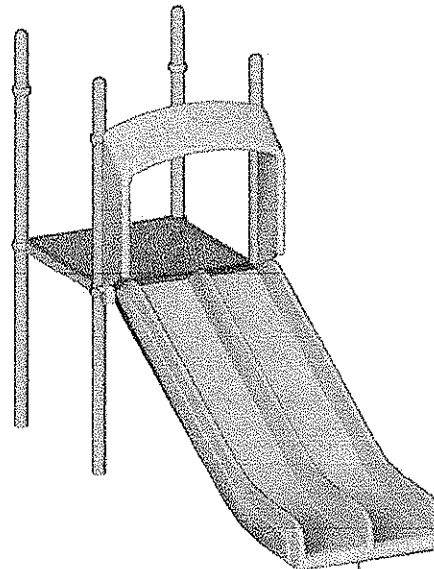
Top View

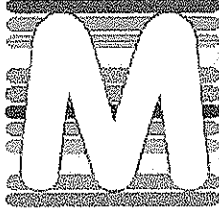


Footing Layout

718-728-4

Bump & Glide Slide from 4' Deck





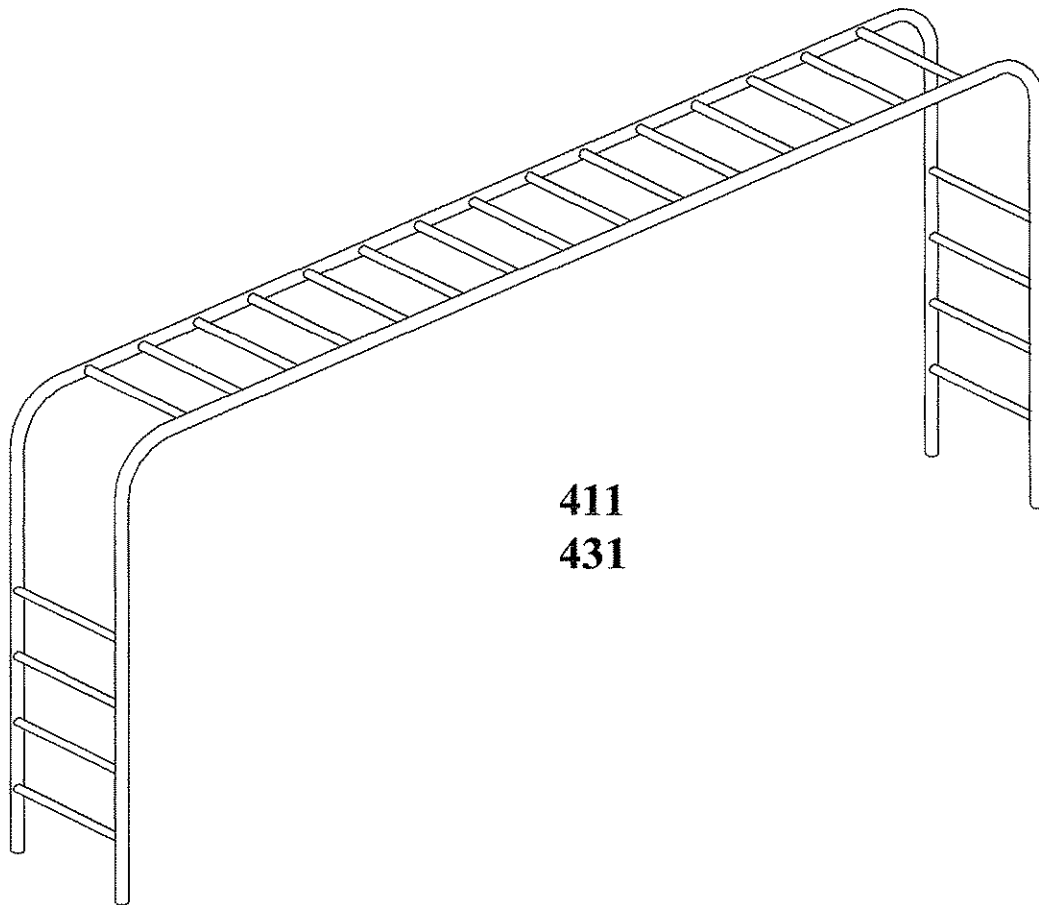
PRODUCT SPECIFICATIONS

Model 411: Horizontal Ladder, Galvanized

Model 431: Horizontal Ladder, Mira-Cote™ Finish

MIRACLE
RECREATION EQUIPMENT COMPANY

February 16, 1998 Rev. B



411

431

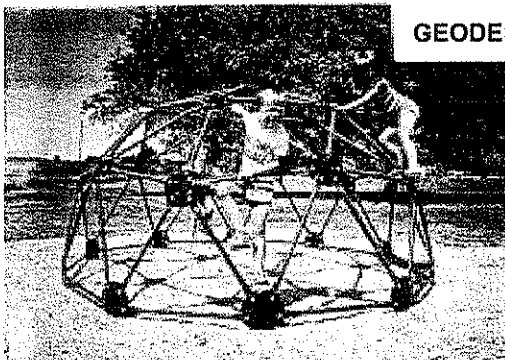


PRODUCT SPECIFICATIONS

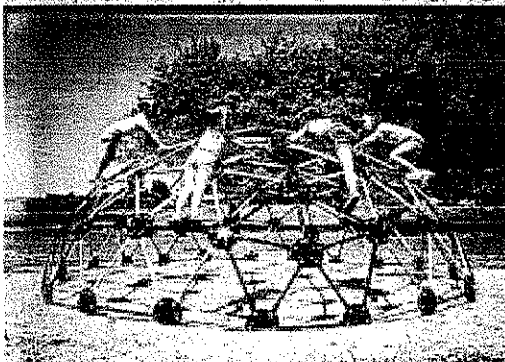
<u>Galvanized</u>	<u>Geodesic Climbers</u>	<u>Mira-Cote™</u>
Model 401	- 8' Diameter	- Model 401-2
Model 402	- 13' Diameter	- Model 402-2
Model 403	- 18' Diameter	- Model 403-2

January 29, 1997 Rev. A

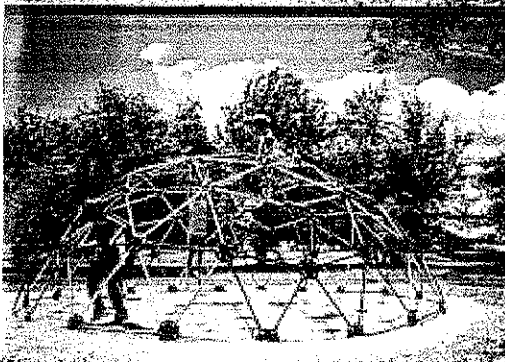
GEODESIC CLIMBERS



8'



13'



18'



Installation Guide

Tots' Choice® - Mira-Therm II

Deck system not included in these assemblies.

MIRACLE
RECREATION EQUIPMENT COMPANY

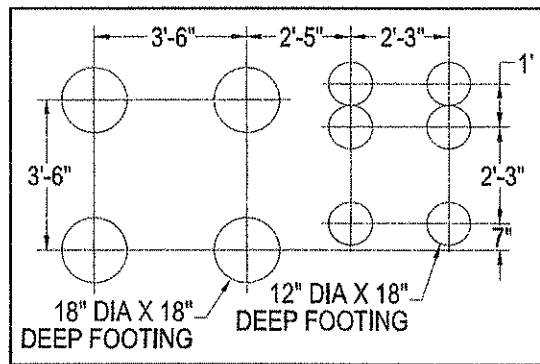
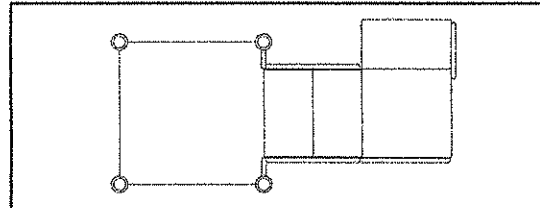
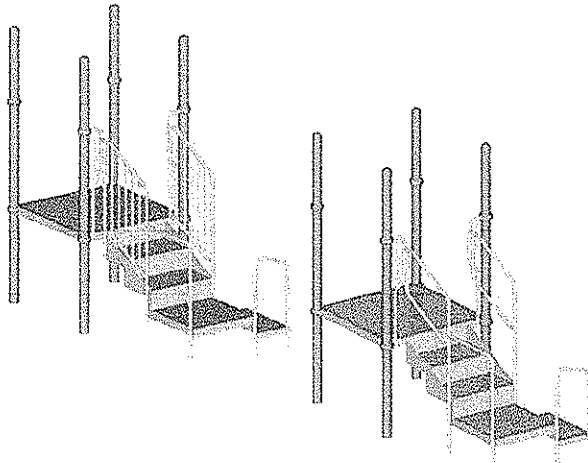
Square Transfer Points - 3', 4', 5' and 6' & 6'-6" Decks with Closed or Open Handrails

718-851-39* ORIENTED LEFT

Square Transfer Point for 3' Deck, Closed Top View

Bottom Step to exit LEFT (1st pic.)

* Model # 718-851-359 Square Transfer Point for 3' Deck, Open (2nd pic.)



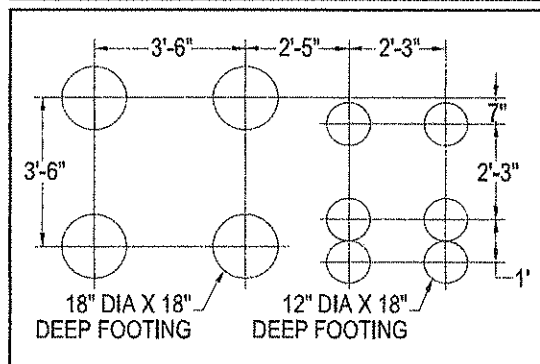
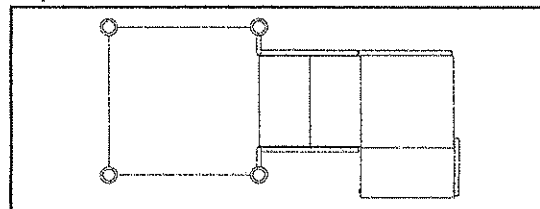
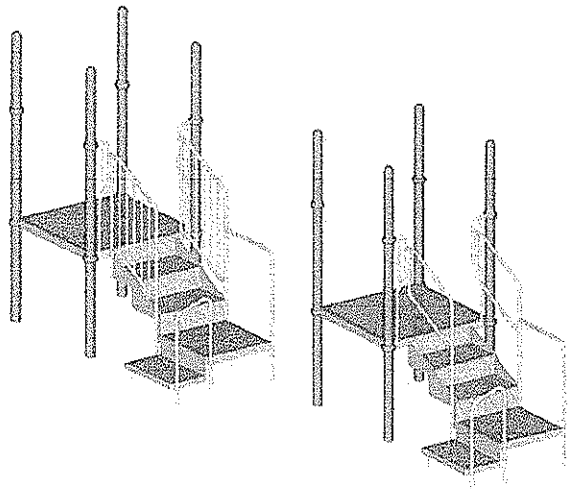
Footing Layout

718-851-39* ORIENTED RIGHT

Square Transfer Point for 3' Deck, Closed Top View

Bottom Step to exit RIGHT (1st pic.)

* Model # 718-851-359 Square Transfer Point for 3' Deck, Open (2nd pic.)



Footing Layout

Square Transfer Points

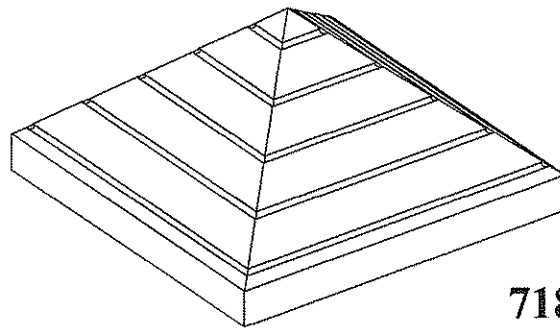
718-851-39, 718-851-359, 718-851-49, 718-851-459, 718-851-59, 718-851-559, 718-851-69, 718-851-659



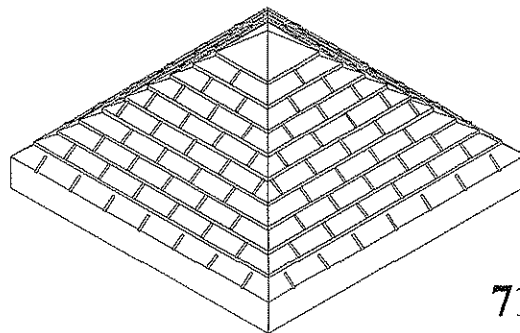
PRODUCT SPECIFICATIONS

Model 718-706: Square Roof - Tier
Model 718-861-4: Square Roof - Shingle

July 19, 1995 Rev. A



718-706



718-861-4



Product Specifications

Jun. 6, 2003

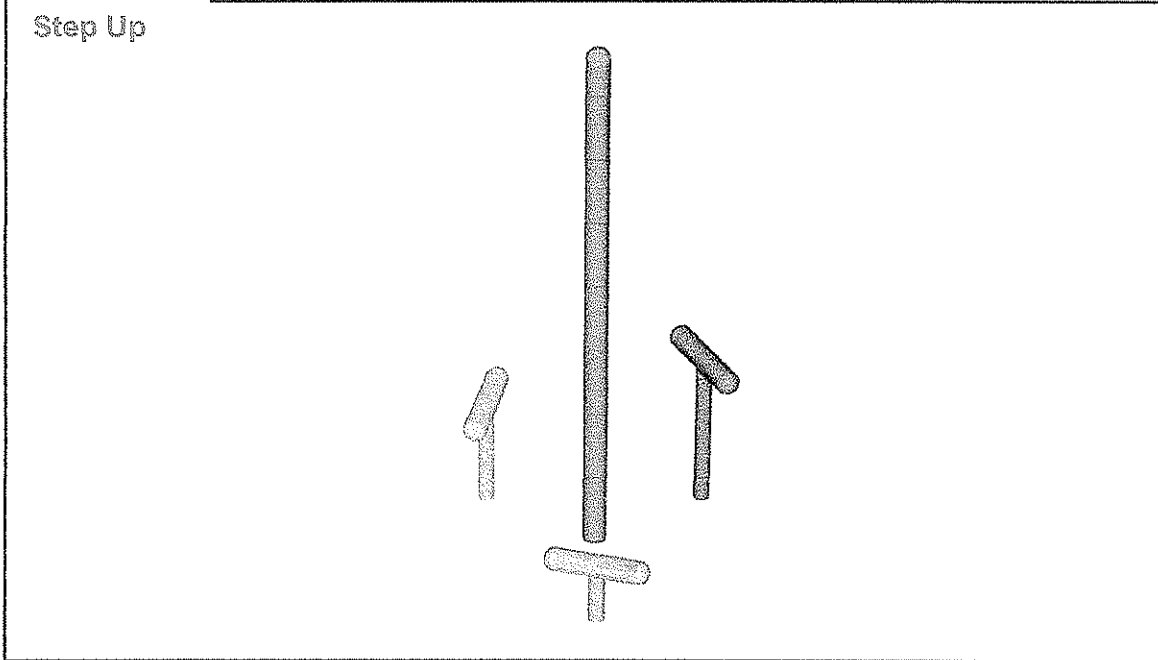
Rev. A

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course
Step Up

159-001

Step Up



Step Up

159-001



Product Specifications

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course

Leg Lift

159-002

Leg Lift



Leg Lift

159-002



Product Specifications

March 16, 2005

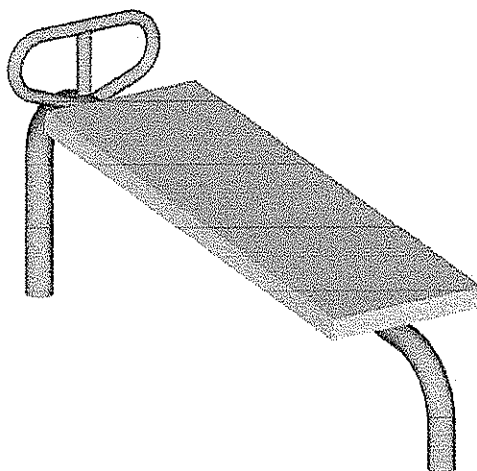
Rev. B

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course
Body Curl

159-003

Body Curl



Body Curl

159-003



Product Specifications

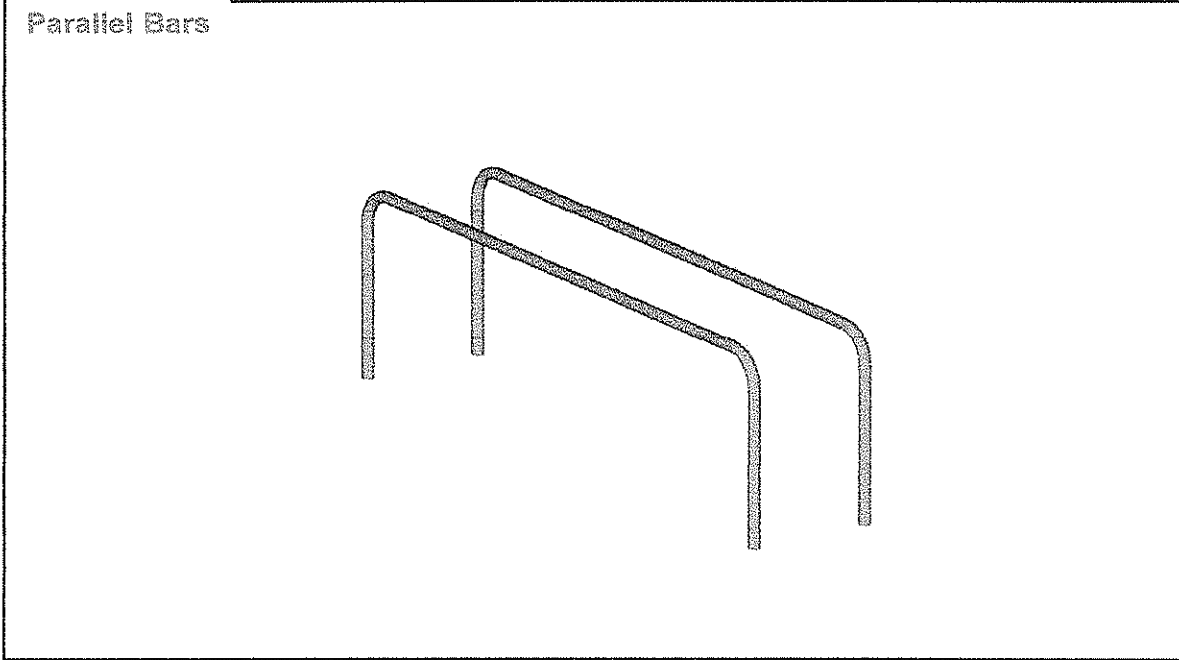
Jun. 6, 2003

Rev. A

5-12 Fitness Course
MIRACLE Parallel Bars
RECREATION EQUIPMENT COMPANY

159-004

Parallel Bars



Parallel Bars

159-004



Product Specifications

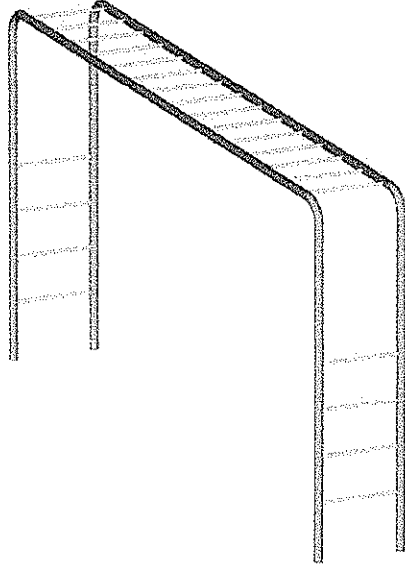
Jun. 6, 2003

Rev. A

5-12 Fitness Course
MIRACLE Horizontal Ladder
RECREATION EQUIPMENT COMPANY

159-006

Horizontal Ladder



Horizontal Ladder

159-006



Product Specifications

March 16, 2005

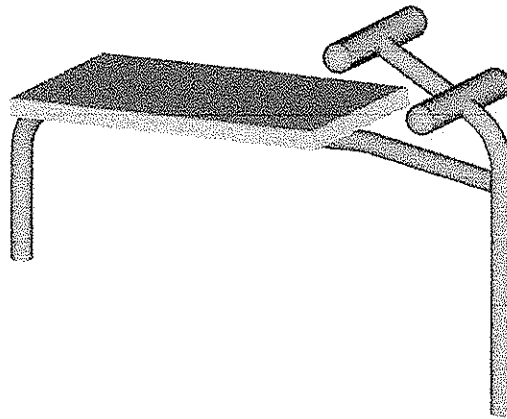
Rev. B

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course
Sit Up

159-007

Sit Up



Sit Up

159-007



Product Specifications

Jun. 6, 2003

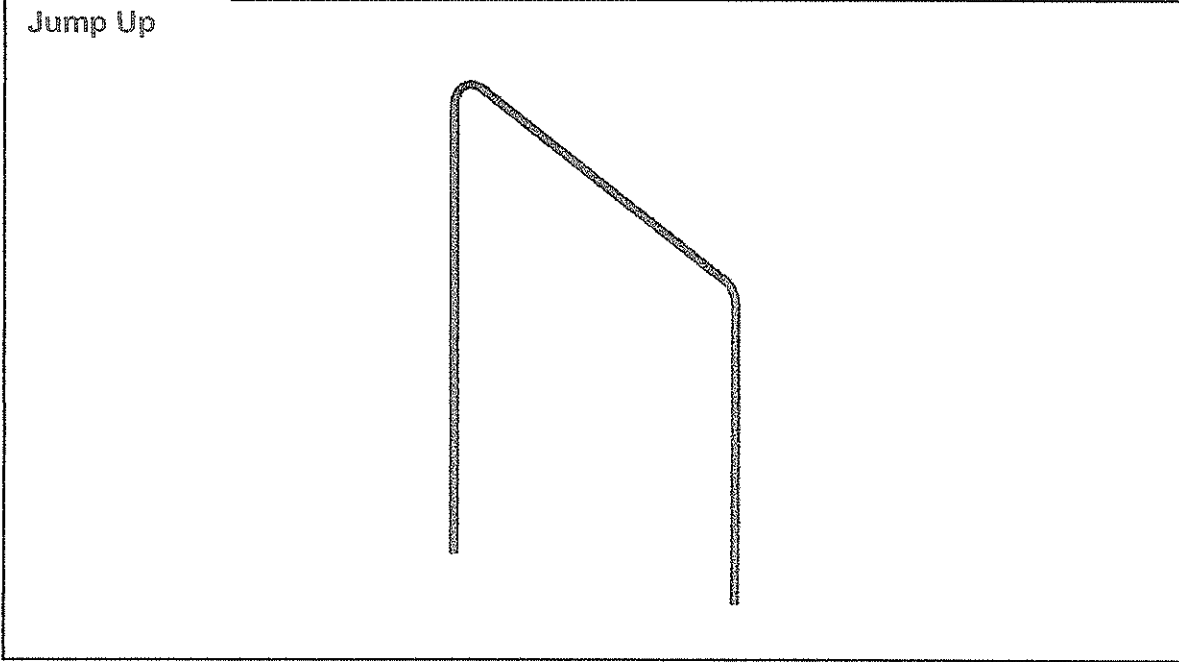
Rev. A

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course
Jump Up

159-010

Jump Up



Jump Up

159-010



Product Specifications

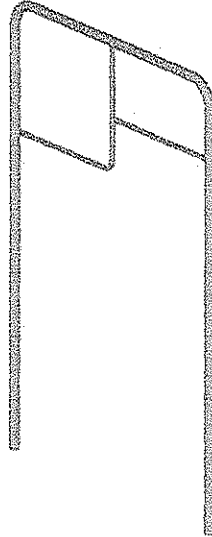
Jun. 6, 2003

Rev. A

MIRACLE 5-12 Fitness Course
RECREATION EQUIPMENT COMPANY Chin Up

159-011

Chin Up



Chin Up

159-011



Product Specifications

Jun. 6, 2003

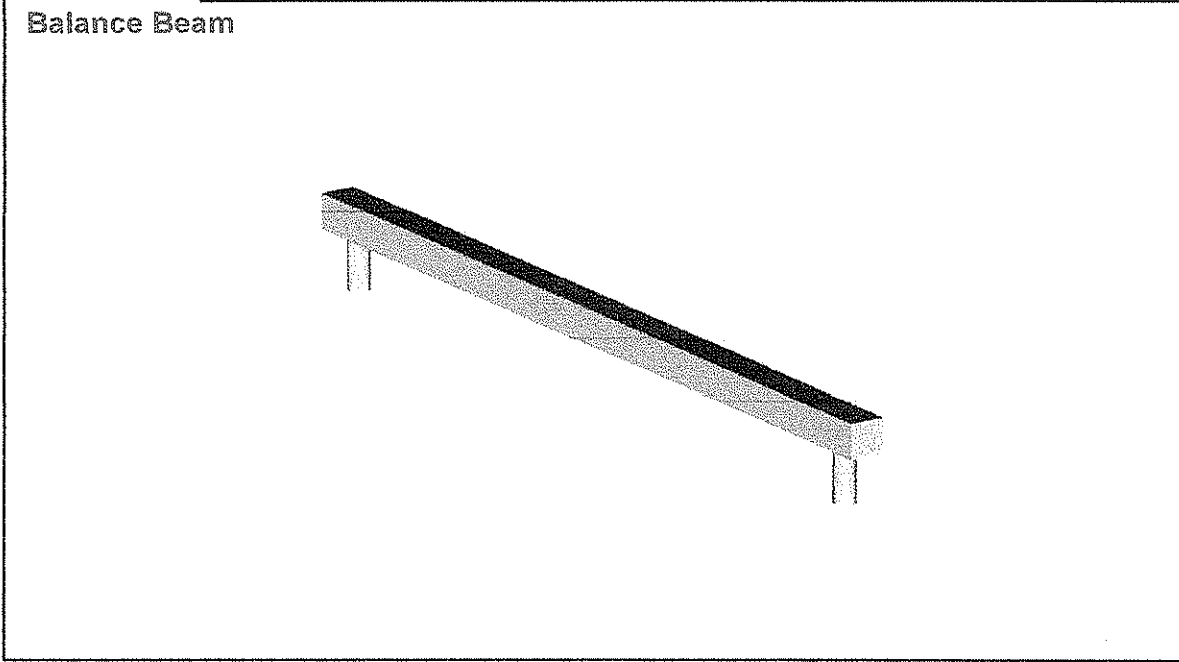
Rev. A

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course
Balance Beam

159-014

Balance Beam



Balance Beam

159-014



Product Specifications

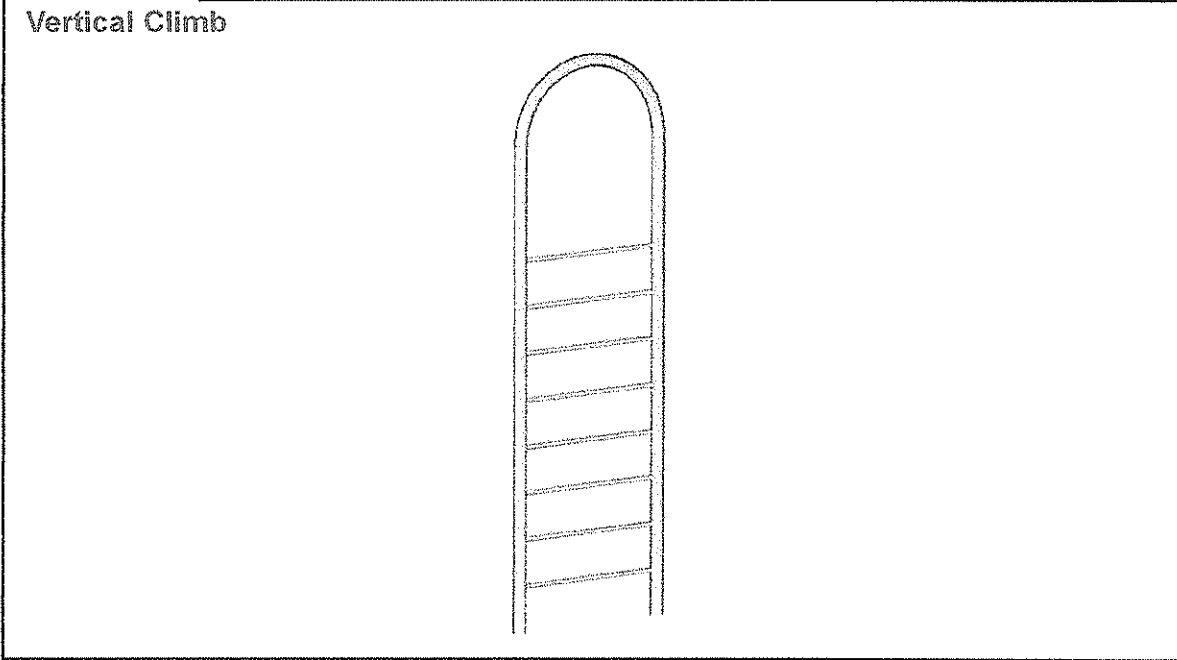
Jun. 6, 2003

Rev. A

5-12 Fitness Course
MIRACLE Vertical Climb
RECREATION EQUIPMENT COMPANY

159-015

Vertical Climb



Vertical Climb

159-015



Product Specifications

MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course Fitness Course Signs

159-200-1, 159-200-2, and 159-201 through 159-220

Fitness Course Signs

159-200-1	Sign Frame for One Sign, 5-12
159-200-2	Sign Frame for Two Signs, 5-12
159-201	Step Up, 5-12
159-202	Leg Lift, 5-12
159-203	Body Curl, 5-12
159-204	Parallel Bars, 5-12
159-205	Beam Jump, 5-12
159-206	Horizontal Ladder, 5-12
159-207	Sit Up, 5-12
159-208	Hip Twist, 5-12
159-209	Push Up, 5-12
159-210	Jump Up, 5-12
159-211	Chin Up, 5-12
159-212	Vault Bar, 5-12
159-213	Stretch Squat, 5-12
159-214	Balance Beam, 5-12
159-215	Vertical Climb, 5-12
159-216	Dip Station, 5-12
159-217	Rope Climb, 5-12
159-218	Back Stretch Bench, 5-12
159-219	Hamstring Stretch, 5-12
159-220	Straight-Leg Stretch, 5-12



Fitness Course Signs

159-200-1, 159-200-2, 159-201 through 159-220



Product Specifications

Jun. 6, 2003

Rev. A

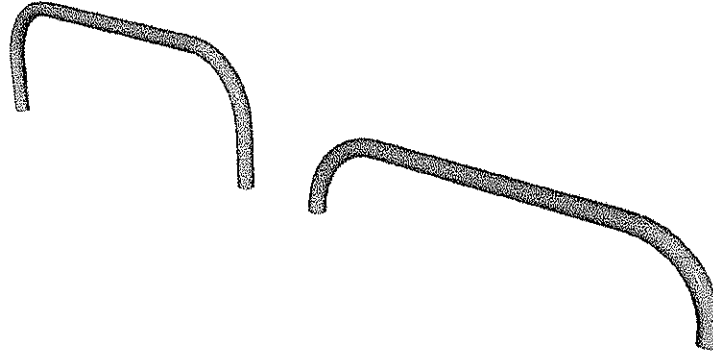
MIRACLE
RECREATION EQUIPMENT COMPANY

5-12 Fitness Course

Push Up

159-009

Push Up



Push Up

159-009



Product Specifications

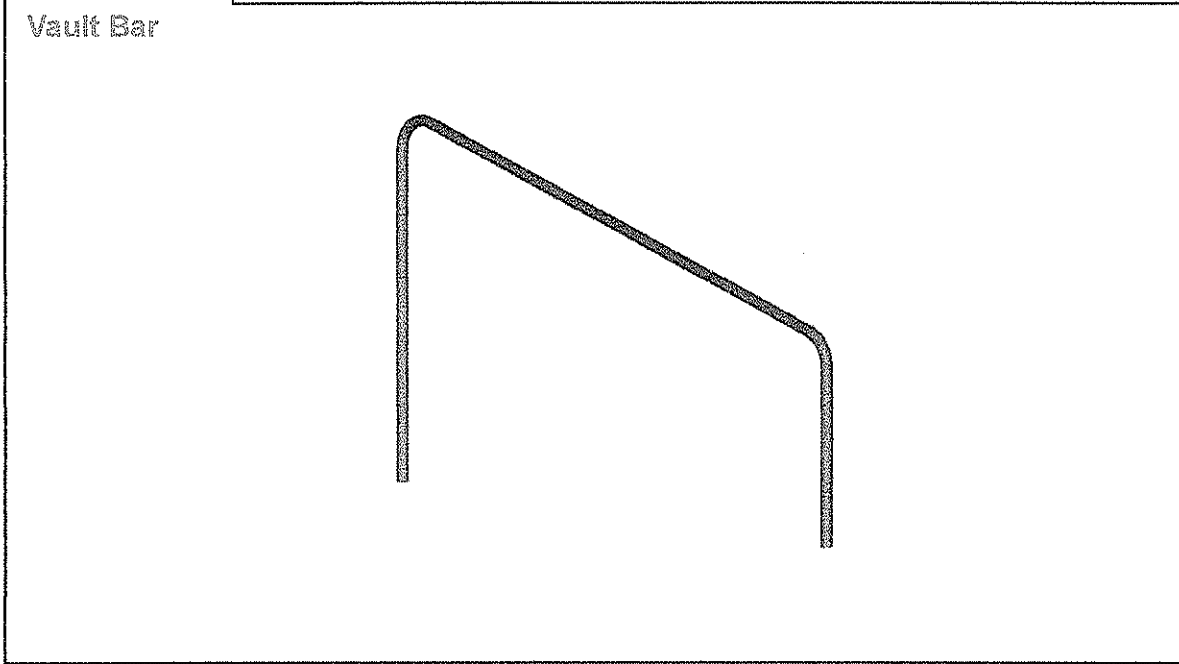
Jun. 6, 2003

Rev. A

MIRACLE 5-12 Fitness Course
RECREATION EQUIPMENT COMPANY Vault Bar

159-012

Vault Bar



Vault Bar

159-012



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

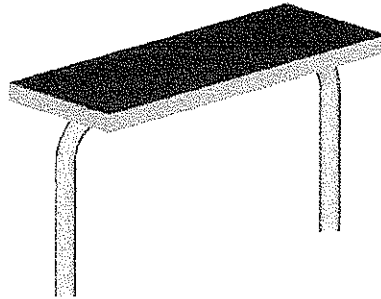
March 16, 2005

Rev. B

5-12 Fitness Course
Straight-Leg Stretch

159-020

Straight-Leg Stretch



Straight-Leg Stretch

159-020



Product Specifications

June 8, 2005

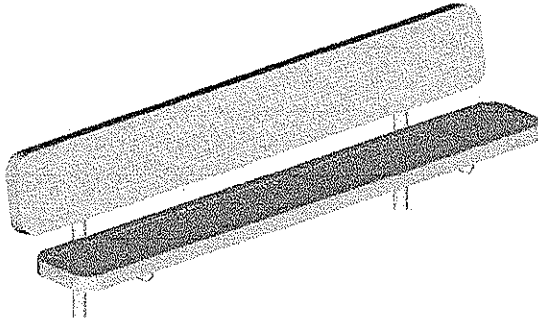
Rev. B

MIRACLE
RECREATION EQUIPMENT COMPANY

Mira-Therm II 6' Benches & 8' Benches - Permanent & Portable models

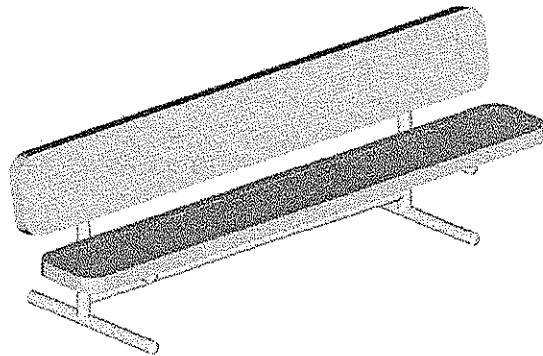
1266 and 1266-1

6' Bench, Permanent



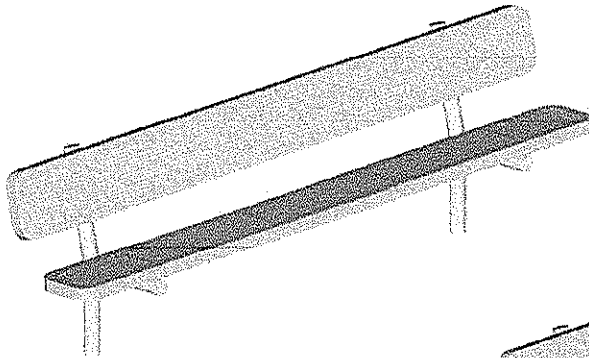
1268 and 1268-1

6' Bench, Portable



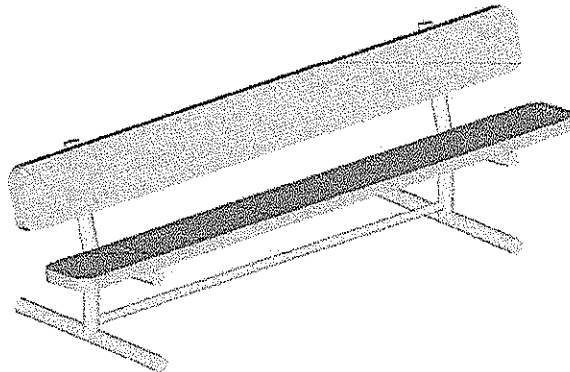
1266 and 1266-1

8' Bench, Permanent



1268 and 1268-1

8' Bench, Portable



Benches

1266, 1266-1, 1268, 1268-1

THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A310

Bid Bond

Bond No. N/A

KNOW ALL MEN BY THESE PRESENTS, that we

(Here insert full name and address or legal title of Contractor)

Miracle Recreation Equipment Company
878 E US Highway 60, Monett, MO 65708
as Principal, hereinafter called the Principal, and

(Here insert full name and address or legal title of Surety)

Travelers Casualty and Surety Company of America
One Tower Square, Hartford, CT 06183-6014

a corporation duly organized under the laws of the State of Connecticut
as Surety, hereinafter called the Surety, are held and firmly bound unto

(Here insert full name and address or legal title of Owner)

State of West Virginia, Department Administration Purchasing
2019 Washington Street East, Charleston, WV 25305

as Obligee, hereinafter called the Obligee, in the sum of

Five Percent of Amount Bid Dollars (\$ 5% of Amount Bid),
for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind
ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by
these presents.

WHEREAS, the Principal has submitted a bid for

(Here insert full name, address and description of project)

DNR 209116 - Kanawha Forest State Park

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract
with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding
or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt
payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter
such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty
hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract
with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain
in full force and effect.

Signed and sealed this 26th day of May, 2009

[Signature] Adam (Witness)

Heidi A. Withersen (Witness)

Miracle Recreation Equipment Company (Principal) (Seal)

[Signature] (Title)

Travelers Casualty and Surety Company of America (Surety) (Seal)

[Signature] (Title)

Sandra L Ham, Attorney-In-Fact

ACKNOWLEDGMENT BY SURETY

STATE OF Missouri
City of St. Louis } ss.

On this 26th day of May, 2009, before me personally
appeared Sandra L. Ham, known to me to be the Attorney-in-Fact of
Travelers Casualty and Surety Company of America, the corporation

that executed the within instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and allixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.

KAREN L. ROIDER
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI, ST. LOUIS CITY
MY COMMISSION EXPIRES 11-15-09
COMMISSION #05401561

Karen L. Roider
Karen L. Roider
Notary Public in the State of Missouri
City of St. Louis

My Commission Expires: November 15, 2009
(Seal)



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
Seaboard Surety Company
St. Paul Fire and Marine Insurance Company

St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Surety Bond No. N/A

Principal: Miracle Recreation Equipment Company

OR

Project Description: DNR 209116 - Kanawha Forest State Park

Obligee: State of West Virginia, Department Administration Purchasing

KNOW ALL MEN BY THESE PRESENTS: That Seaboard Surety Company is a corporation duly organized under the laws of the State of New York, that St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc. is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Sandra L. Ham of the City of St. Louis, State of Missouri, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 11th day of August, 2006.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
Seaboard Surety Company
St. Paul Fire and Marine Insurance Company

St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut

City of Hartford ss.

By: [Signature]
George W. Thompson, Senior Vice President

On this the 11th day of August, 2006, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., Seaboard Surety Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2011.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., Seaboard Surety Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

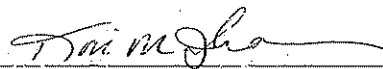
FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kori Johanson, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., Seaboard Surety Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 26th day of May, 2009.


Kori M. Johanson, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at stpaultravelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

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: Taylor Sports & Recreation
Authorized Signature: John C. Hill Date: 5-26-09



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA, TO-WIT:

I, Thomas C Nelson after being first duly sworn, depose and state as follows:

1. I am an employee of Taylor Sports + Recreation and,
(Company Name)

2. I do hereby attest that Taylor Sports + Recreation
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code §21-1D-5**.

The above statements are sworn to under the penalty of perjury.

Taylor Sports + Recreation
(Company Name)

By: Thomas C. Nelson

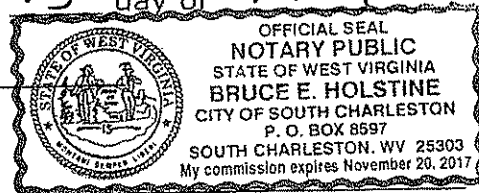
Title: Personal Rep

Date: 5-13-2009

Taken, subscribed and sworn to before me this 13 day of May

By Commission expires 2017

(Seal)



(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.