



Bluegrass Playgrounds, Inc.

1056 Fedde Lane, Ashland, Nebraska 68003

Toll Free Fax 866.271.4011 / Toll Free Phone: 800.828.9690

<http://www.bluegrassplaygrounds.com>

GENERAL SPECIFICATIONS FOR MODULAR UNITS

STEEL TUBING: Our components are made from the following types of tubing, which are referred to in the specifications. #1 is 1" O.D., 14 Gauge. FloCoat galvanized, #2 is 1.315" O.D., 14 Gauge. FloCoat galvanized, #3 is 1 1/2" 14 Gauge. Tube, #4 is 1.9" O.D. 11 Gauge. FloCoat galvanized, #5 is 2 3/8" O.D. 11" Gauge. FloCoat galvanized. Type #3 steel pipe is "cross-hatched" diamond pattern for better grip. The patented in-line triple zinc coating process provides a smooth shiny uniform appearance with up to 25% greater corrosion resistance than galvanized schedule 40 pipe along with greater strength and lighter weight for comparable sizes.

WARRANTY: SportsPlay offers the following warranties on the materials and components of its' modular units.

- LIMITED LIFETIME WARRANTY on steel support posts and clamps.
- 15 YEAR LIMITED WARRANTY on main support materials and decks.
- 10 YEAR LIMITED WARRANTY on all plastic components.
- 1 YEAR WARRANTY on all products not listed above.

UPRIGHT POSTS: 5" O.D. FloCoat galvanized, triple-coat corrosion protection 11Gu. 120" wall, powdercoated, with an ASTM standard A-500 yield strength of 40,000 PSI and tensile strength of 45,000 PSI. Dome style top cap is factory riveted with stainless rivet, recycled polycarbonate.

CLAMPS FOR POSTS: 6061TS aluminum fastener for 5" O.D. posts weigh 2.21lbs. Enclosed to avoid pipe ends, fasten with plated "T" nut, socket head button cap screw, plated roll pin prevents clamp slippage. The high alloy clamp is powdercoated.

HARDWARE: We use stainless steel, vandal-resistant and aluminum hardware: button head cap screws. Hex and carriage bolts, washers, lock nuts.

POLYESTER DRY POWDER COATING: Electrostatically applied and cured at temperatures between 200 and 260 degrees Celcius (400-500 degrees Fahrenheit). The polyester powder shall comply with ASTM standards.

ROTATIONALLY MOLDED PLASTIC PARTS: Shall be molded from linear low density polyethylene with UV light stabilizers, anti-static guard and color molded in. This material shall comply with ASTM-D-790, ASTM-D-638, ASTM-D-648 and ARM-STD and shall have a nominal 6mm wall thickness, exceptions shall be noted.

STEEL DECKS: #12 Gauge by 3/4" flattened, punched metal, welded to 2 1/2" by 2" by 18" angle frame, 1/4" endplates, center bracing, plastisol coated and oven cured. Square deck is 48" by 48" (2,304 sq.). Hex deck is 7 1/2" by 8" (8,640 sq). Triangle is 48" sq. 16 Gu. Offset kickplates fully enclose gaps between decks, with eight bolt sets.

ARCH CLIMBER: Type #4 steel side-rails welded to type #2 rungs by 24" long. re-bar anchor to ground, comes with two hand holds, four clamps, powdercoated.

ARCH BRIDGE: 32" wide by 10' long bridge, handrail is type #2 steel with endcaps, vinyl coated planks #9 Gu., expanded with 1 1/2" by 2" angle frame, center support is type #4 steel with endcaps, comes with eight clamps and "T" fittings to posts.

CHIN/TURN/GUARD BARS: Type #2 steel, 48" long with two clamps, powdercoated.

CHAIN NET: Angle connection to deck, chain is 4/0 galvanzie. 11 O.C., connects to ground with type #2 steel support, z.p. "S" hooks to net. Comes with handholds four clamps.

CORKSCREW CLIMBER: Type #4 steel center pole welded to 24" diameter by 1 5/8" O.D. coil. Angle plate connects to deck. 1" O.D. handholds welded to support.

CIRCLE (HALF) CLIMBER: Side-rails are type #4 steel welded to form "S". Circle rungs (24" diameter) entry pipes, ground pipes are type #2 steel arch entry panels (2) handholds.

CIRCLE (INCLINED HALF) BRIDGE: 10' siderails and 24" diameter circle rungs are same as above. Connects to deck with type #2 steel arch entry panels (2), (8) clamps.

CATERPILLAR CLIMBER: 10' siderails and 24" diameter circle rungs are same as above (5) total, includes (6) clamps, (2) entry pipes, and (2) handholds.

CRAWL TUNNEL: 4' Plastic, linear low density. 3/8" wall tunnel has (2) rotationally molded, high density, U.V. stabilized, end panels, toggle bolt connected. Panels connect to posts with (4) 48" type #2 pipes and (8) clamps.

CRAWL TUNNEL (90 DEGREE): End panel and tunnel description same as above, joint are "bell-flange overlap". Center pole support is #4 style steel.

FIREPOLE: Type #2 steel, bent to "L", includes handhold and (3) clamps.

HORIZONTAL LADDER (WAVY): 10.5' long by 28" wide, siderails are type #4 steel, rungs are 15" O.C. and are type #2 steel, end sleeve connections and 48" end pipes (type #3) connect ladder to deck posts. Includes (4) end clamps.

HORIZONTAL LADDER (STRAIGHT): Same as above, toprails are straight.

HORIZONTAL LADDER ("S" STYLE): Same as above except that it is welded to "S" shape with 24" and 48" radius bends.

HANDHOLD (REGULAR): 38" type #2 steel bent to 8" radius, includes two handholds.

HANDHOLD (LARGE): Same as above but with 52" tube bent to 12" radius.

LOG ROLL: U.V. stable molded polyethylene. 48" long by 16" diameter roller connects to type #5 steel pipe, 57" long with galvanized end stubs, via clamps to posts. Includes (2) handholds and (4) clamps.

LOOP CLIMBER (ZIG-ZAG): The (10) triangle rungs, end pipe connection same as above, (2) toprails come together with 2 7/8" O.D. center yoke with (2) 1' long by type #4 steel center posts.

PANEL: Rotationally molded panel, double wall panels connect to deck posts via (2) type #2 48" long pipes, (4) clamps per panel, and (4) aluminum collars, 3/8" wall thickness. 24" opening panel includes (2) 1" O.D. spacers pipes with end sleeves.

PANEL BUBBLE WINDOW: Clear lexan bubble bolts to panel with stainless steel pneumatic heads. Includes panel clamps as above.

PANEL CONCENTRATION: (18) moveable blocks refer to safety signage. Each block has separate sign. Includes panel clamps as above.

PANEL MIRROR: Mirror is from 1/8" thick polycarbonate with silver backing, with a steel back frame. Includes panel clamps as above.

RING CLIMBER: 12" long type #5 steep top rail with (9) high tensile eyes and (2) end sleeves, which connect to deck with 48" end-pipes and (4) clamps. 6" O.D. aluminum rings connected via 3/8" galvanized "S" hooks.

ROOF: Solid 5/16" wall plastic, pyramid roof has reinforced-ribbed construction. Size is 55" square by 27" high connects with (4) clamps, (4) type #2 steel, 24" extensions.

RHYTHM AND BLUES CLIMBER: (2) type #5 steel pipes, each 8' long, act as foot and hand base, each bent to "S" connects to deck post via (2) clamps, then to separate 8' vertical 2 3/8" O.D. post via welded sleeve ends with set screw.

SLIDE GUARD: (2) type #2 steel pipe, 36" long bent to 90 degree welded to a 48" long type #2 steel pipe, attaches with (4) clamps for use as guard at slide entry.

SLIDE, DOUBLE WALL STRAIGHT: 3/8" wall, rotationally molded, 24" wide bed with a 6" high siderail. "Z" plate angle top plate to deck (2) bottom "T" legs in ground rebar come with slide guard and (4) clamps. Fits 3', 4', 5', and 6' deck height.

WAVE SLIDE: Double wall 3/8" wall wave slide connects to deck with "Z" angle plate, and (2) 1.9" O.D. slide legs with plate connection to slide, rebar to ground, and fits 3' deck. Comes with slide guard and (4) clamps.

90-DEGREE SLIDE: Double wall, 3/8" wall construction. "Z" angle plate connection to deck. Right turn slide has channel/pipe legs with rebar connection to ground plus a 2 3/8" O.D. side leg with plate to threaded inserts. Slide fits a 4' deck, has 4" sidewalls.

TRIPLE RAIL SLIDE: 3/8" double wall construction has "Z" angle plate connection to deck, with double slide legs with rebar to ground. Has two slide beds with 4" high sidewalls. Fits 3' or 4' deck comes with slide guard and (4) clamps.

SPIRAL SLIDE TO 6' DECK: Solid sclair polyethylene, U.V. impervious, 3 1/2" O.D. center pole, slide has tongue and groove overlap joint system, has entry hood with lexan windows, diamond plate extension deck with kickplate 20" deep bed, 24" exit.

SPIRAL SLIDE TO 5' DECK: One piece rotationally molded, one piece slide has entry hood, diamond plate extension 90 degree guard walls, 24" exit (2) "T" legs.

TUBE SLIDE: 3/8" wall, 24" O.D. Tube connects straight section with elbows. Panel entry connects to deck with bottom leg. Fits a 4', 5', 6' deck.

"S" TUBE SLIDE: Same as above with 30 degree elbows combined with straight sections to form "S". Has bottom and side legs and fits 4', 5', and 6' deck. Panel entry fits the 30" diameter slide to deck. Has flange style joint system.

STEERWHEEL: Polycarbonate 12" diameter wheel countersunk wheel hub connects to wall with non-slip double plate, center 1/2" bolt and lock nut.

SWINGING BRIDGE: Guardrails are type #4 steel double 1 1/2" horizontals with (10) 24" long vertical rungs welded 24" O.C., connected with (8) clamps. End fill blocks are 42" long by 4" square, 11 Gauge tube with 1/4" triangle plate connections to 5/16" galvanized chains. Planks are 48" by 12" vinyl coated,

with #9 gauge expanded metal framed in 2" by 2.5" angle frame. Available in treated wood planks. Large aluminum "T" clamps connect ends. Bridge weight load capacity is 3,800 lbs.

STEPLADDER: Connects to 3', 4', 5' deck, 7 1/4" step and 8 1/2" riser fabric is #9 gauge hot roll, top and bottom angle connection to deck and ground with ground legs. Entire ladder is PVC coated after fabrication. Arch entry wall is all type # 2 steel with (4) clamps to connect.

TALK PHONES: Submarine style phones are 90-degree street elbows, galvanized with (2) screens each; in ground PVC elbows connect between 1.9" O.D. flex hose.

TRACK RIDE: 10' long pre-made track connects to posts via (4) deck clamps, included, to 1 1/2" by 3" rectangular tubing. Track has double end bumpers. Handhold is 1" O.D.

TRANSFER POINT: Consists of two (12" wide) PVC coated steps from 36" high deck to final 15" high square deck with (4) upright posts, (4) handrails, (2) large handholds.

"U" CLIMBER: (4) half circles, 16" diameter welded to vertical "L" pipe all type #2 steel, top sleeve connects with 48" pipe and (2) clamps, rebar connection to ground.

U.F.O CLIMBER: Circular horizontal ladder exits from and enters same deck. Siderails and rungs are 1 7/8" O.D. vertical supports 10.5' long.

VERTICAL CLIMBER: The vertical ladder with built in handholds are made from type #3 steel and connect to deck with (4) clamps. Rungs are 12" O.C. to 3', 4', and 5' decks.

T-T-T PANEL: (9) moveable blocks fabricated from linear low-density polyethylene with ultraviolet stabilizers anti-static guard and color molded in. Frame shall be fabricated from 1 3/8" powder coated steel. Mounting via (4) pipe clamps.

SQUARE ROOF: Solid 5/16" wall plastic, pyramid roof has reinforced-ribbed construction and connects via (4) clamps, (4) type #2 steel, 24" extensions.

HEX ROOF: Solid 5/16" wall plastic roof has reinforced-ribbed construction and connects via (6) clamps, (6) type #2 steel, 24" extensions.

STEPPING STONES: Shall be fabricated from 3/4" polyethylene plastic that shall have UV stabilizers added to ensure colors remain vivid. Mounting post shall be fabricated from 2 3/8" powder coated steel.

STORE PANEL, FINGER MAZE PANEL, BUS PANEL: Shall be fabricated from 3/4" polyethylene plastic that shall have UV stabilizers added to ensure colors remain vivid. Panels shall be routed using a CNC automated process with edge bit to ensure all deficits are smooth and rounded. Panels will mount via 2 powder coated mounting brackets using (4) clamps.

DRIVING PANEL, BALL TURN PANEL: Shall be fabricated from linear low-density polyethylene with ultraviolet stabilizers anti-static guard and color molded in. Clear panels shall be fabricated from shatter proof Lexan. Rotationally molded panel shall connect to deck posts via (4) pipe clamps

CASTLE THEME PANELS: Themed panels shall be fabricated from 3/4" polyethylene plastic that shall have UV stabilizers added to ensure colors remain vivid. Panel themes shall be routed using a CNC automated process with edge bit to ensure all deficits are smooth and rounded.

MOUNTAIN CLIMBER PANEL: Shall be fabricated from 3/4" polyethylene plastic that shall have UV stabilizers added to ensure colors remain vivid. Rock grips shall be fabricated from solid polyethylene plastic.

WALL: Ten rung walls are 38" tall 3.45" between rungs connect with (4) clamps. Horizontals are type #3 and verticals are type #1 steel tube.