



**TOWN OF STRATFORD
PURCHASING DEPARTMENT
STRATFORD, CONNECTICUT**

BID No. 2009-049

Issued : June 15, 2009

Subject : Playground Equipment

The Town of Stratford through the Office of the Purchasing Agent, will receive SEALED BIDS for furnishing the equipment described in the accompanying specifications, in accordance with the instructions, conditions and reservations that follow:

A. CLOSING DATE:

Bids will be received until 3:00 pm June 29, 2009, at which time they will be publicly opened and read. All bidders are invited to attend this public opening, which will be held immediately following the closing time specified above, in the Office of the Purchasing Agent, Room 202, Town Hall, 2725 Main Street, Stratford, CT 06615.

Any bid may be withdrawn prior to the above-scheduled time for receiving bids or authorized postponement thereof. Any bids received after the date and time specified shall NOT be considered. No bidder may withdraw a bid within 45 days after the actual opening thereof.

B. INSTRUCTIONS:

All proposals must be addressed to the attention of the Purchasing Agent, in a sealed envelope with bid subject and number on the face thereof. Proposals may be mailed or submitted in person. FAXED PROPOSALS ARE NOT ACCEPTED.

C. CONDITIONS:

Bidders must state specifically what equipment they propose to supply, giving manufacturer's name, model number, etc. A detailed description should accompany your bid. Any exceptions to Town Specifications should be listed in your bid response.

Bid Surety:

A Certified Check, Cashier's Check or Bid Bond in the amount of \$ 5,000.00 must accompany each proposal, made payable to the Town of Stratford. No bid will be considered without this surety. Upon award or rejection of the bid, all Certified Checks or Cashier's Checks received in lieu of Bid Bonds will be returned to the bidders.

Performance Bond

No Performance Bond is required for this bid.

The following information should also be covered in your bid:

Payment: Final payment will be made upon the acceptance of the completed work by an authorized representative of the Town of Stratford. NO partial payments will be made. Invoices covering the work specified herein should be forwarded to the Purchasing Department upon completion of the project.

Delivery: Please state as accurately as possible how long it will take to complete delivery after receipt of order, if you are the successful bidder.

Warranty: All proposals must state the exact nature and duration of any warranty applicable to the equipment you propose to sell to the Town.

Taxes: The Town of Stratford is exempt from all State and Federal taxes. Do not include these amounts in your quotation.

Terms: All quotations must be F.O.B. Stratford, Conn., to the department indicated.

Bid Award: The bid award will be determined by a combination of price, references and equipment proposed.

D. RESERVATIONS:

The Town of Stratford may consider informal any proposal not prepared and submitted to the Town in accordance with the provisions herein stated. The Town of Stratford reserves the right to reject any or all proposals or parts of proposals; to waive defects in same proposals; or to accept any proposal or part thereof deemed to be in the best interests of the Town of Stratford.

Michael Bonnar, Purchasing Agent
203-385-4044

SPECIFICATIONS: See next page.

**PLAYGROUND
SPECIFICATIONS
EQUIPMENT PURCHASE**

6/15/09

1. GENERAL SYSTEM SPECIFICATIONS

5" O.D. uprights bolt-through fastening system is required independent of clamps. The uprights shall be factory drilled to ensure accurate placement of components and ease of installation. Field drilling and measuring are not required. All uprights shall receive factory installed aluminum post caps and shall be shipped with a factory applied label indicating proper surfacing level.

All decks and components shall connect to support posts by means of a through-bolt connection for strong, durable connections. Deck/Collar attachments shall not be acceptable. All climbing attachments shall include a 15" wide deck entry archway to control deck access to one child at a time and help prevent inadvertent falls.

2. WARRANTIES

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

- LIFETIME LIMITED WARRANTY ON SUPPORT POSTS (UPRIGHTS)
- 15 YEAR LIMITED WARRANTY ON PUNCHED STEEL DECKS, PIPES,
- RAILS, LOOPS AND RUNGS
- 15 YEAR LIMITED WARRANTY ON ROTOMOLDED POLYETHYLENE COMPONENTS
- LIFETIME LIMITED WARRANTY ON POWERLOCK AND HARDWARE

Manufacturer shall be ISO 9001/2000 certified

Manufacturer shall show IPEMA certification of compliance for each component that the product conforms with the requirements of ASTM F1487-07ae1.

3. GENERAL SPECIFICATIONS OF MATERIALS

ENTRY ARCHWAY

All entry archways shall be fabricated from 1 5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing with vertical members fabricated of 1 1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing. The entrance archways shall be an all welded assembly and shall be coated with a custom formula of TGIC polyester powder, after fabrication in conformance with the specifications outlined herein.

HARDWARE

All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with

yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

Stainless steel fasteners shall be button pin-in head, hex socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

POWDER COAT FINISH

Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

ROTATIONALLY MOLDED PRODUCTS

All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

4. UPRIGHTS AND UPRIGHT ACCESSORIES

CONNECTIONS

The Patented assemblies shall incorporate two die cast aluminum parts, in a distinctive purpose mounting system that allows a rung panel to mount to the upright. The connector will have a matching counterpart for flat panel connections. Each is bolted directly into the upright post through a factory located and installed connection and designed to eliminate exposed hardware and

protrusions. Each shall be die cast of 383 aluminum alloy, to resist corrosion. Minimum tensile strength shall be 45,000 psi, minimum yield strength shall be 22,000 psi. Every post connection shall be anodized for maximum protection. Mounting hardware shall not be exposed, virtually eliminating tampering by vandals. All connectors shall be coated with a custom formula of TGIC polyester powder coating, in conformance with the specifications outlined herein.

UPRIGHTS, ALUMINUM

Shall be 5" outside diameter tubing, 1/8" wall thickness, extruded from 6005-T5 aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall have a finished grade line marking to indicate the correct playground safety surface level. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specifications outlined herein.

UPRIGHT CAPS

The standard upright cap shall be an aluminum cap, cast from a 383 alloy, powder coated to match the upright. Every upright cap shall receive a primer coat for maximum protection. All upright caps are permanently installed at the factory using aluminum self-sealing rivets.

5. PUNCHED STEEL & COATED COMPONENTS

PUNCHED STEEL DECKS AND PVC COATED COMPONENTS

All punched steel products shall be fabricated from 11 gauge punched steel with a protective p&o finish. Coated products shall consist of a welded assembly with an oven cured matte finish polyvinyl chloride (PVC) coating with a minimum coating thickness of .080". All decks shall be exclusively dipped utilizing the DuraWear process with an extra thick coating on the top of the deck. The PVC coating shall have a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. The PVC coating shall contain phthalate levels in concentrations of 1/10 of 1% or lower. For ADA Ramp Accessible decks and ramps, the hole shall measure 1/4" diameter after coating. For standard decks and ramps, the hole size shall measure 1 1/4" diameter after coating.

DECKS, SQUARE

Shall have a minimum surface area of 2,381 square inches, maintaining a full 49" center to center spacing on the upright posts. The 49" square deck shall be fabricated in conformance with the punched steel specifications outlined herein. The deck frame shall be fabricated from 3/16" x 3-1/2" hot rolled steel with corner supports fabricated from 1/4" x 3-1/2" hot rolled steel. Intermediate supports, fabricated from 1/8" x 2-1/2" hot rolled steel, shall be notched and welded at the

intersections forming a rigid 12" support grid underneath the entire deck surface. The deck shall be a one-piece welded assembly, coated after fabrication with an oven cured matte finish polyvinyl chloride (PVC) coating in accordance with the specifications herein. The square deck shall be directly bolted to the upright posts with eight 3/8" diameter button-pin-in-head, hex socket cap screws in accordance with the hardware specifications herein.

TRANSFER POINT

The Platform and Steps shall each be made from 11 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The Platform and Steps shall each be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. The steps shall descend in increments of 8" or less, as specified by the Americans with Disabilities Act (ADA). Handrails and attachment rails shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, with supports fabricated from 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing. Platform support shall be fabricated from 5" O.D tubing with a 3/16" hot rolled flat steel flange. Handholds, attachment rails and platform supports shall be all-welded assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

TRANSFER POINT, OPTIONAL ACCESS ATTACHMENT

The Platform shall be made from 11 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The platform shall be a one-piece welded assembly finished with the matte PVC coating per the specifications herein. The platform support shall be fabricated from 5" O.D tubing with a 3/16" hot rolled flat steel flange. The platform support shall be an all welded assembly and shall be coated with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein, after fabrication.

TRANSITION STEP

Shall be made from punched steel in conformance with the specifications outlined herein. Step frame shall be made from 1/8" and 3/16" thick hot rolled flat steel. Transition step shall be an all welded assembly finished with the matte PVC coating per the specifications herein. The filler/kick plate shall be fabricated from 3/16" hot rolled steel. The handhold shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. The filler/kick plate and handhold shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

6. CLIMBERS

SIDE STEPPER CLIMBER

Shall be fabricated from 1-5/8" O.D. x .083" (14 gauge) wall galvanized steel tubing climbing bar. The Side Stepper climber shall have a handrail of 1.029" x

.083" (14 gauge) wall galvanized steel tubing. The Side Stepper climber assembly shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein. Side Stepper climbers shall include an Offset Entry Archway in accordance with the specifications herein.

SPINEY ARCH CLIMBER

The spiny arch climber shall be fabricated from 2 3/8" O.D. x .095" (13 gauge) wall galvanized steel tubing arch rail with rolled spines fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. The spiny arch climber assembly shall be an all welded assembly and shall be coated with a custom formula of TGIC polyester powder coating after fabrication in conformance with the specifications outlined herein. Spiny arch climber shall include an entry archway in accordance with the specifications herein.

TWISTER CLIMBER

The twister climber inner and outer rails shall be fabricated from 1 5/8" O.D. x .083" (14 gauge) wall galvanized steel tubing. The rungs shall be fabricated from 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing. The twister climber assembly shall be an all welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein. Twister climber shall include an entry archway in accordance with the specifications herein.

BUBBLE CLIMBER

Shall be fabricated from 1-5/8" O.D. x .083" (14 gauge) wall galvanized steel tubing upright and chain loops of 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. The bubble climber shall be an all welded construction. The climber assembly shall be coated, after fabrication, with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein. Bubble climber shall include an entry archway in accordance with the specifications herein.

7. UPPER BODY DEVELOPMENT COMPONENTS

CHINNING BAR

The chinning bars shall be fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

CRUNCH BAR

Shall be fabricated from 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

8. OVERHEAD LADDERS

SKYWHEEL

The skywheel top rail assembly shall be fabricated from 2-3/8" O.D. x .095" (13 gauge) wall galvanized steel tubing and 3/16" formed hot rolled steel mounting tabs. The wheel shall be an all welded construction, which bolts to the top rail. The wheel is fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing and 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tube braces. The skywheel top rail assembly shall be an all welded construction, which bolts directly into the uprights. The top rail and wheel shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

OVERHEAD TREE CLIMBER

Shall be fabricated from 1-5/8" O.D. x .083" (14 gauge) wall galvanized steel tubing upright and step rungs of 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. The climber assembly shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein.

9. CRAWL TUBES

ROTATIONALLY MOLDED CRAWL TUBES, 30" INSIDE DIAMETER

The 30" I.D. with 1/4" nominal wall thickness tube shall be rotationally molded linear low-density polyethylene conforming to the specifications outlined herein. Tube sections shall be molded so that all hardware connections are on the outside of the tube. The connection of multiple tube sections shall be an external overlap connection. The entrance panel shall allow access to the crawl tube at an accessible height of less than 8" as specified in the American with Disabilities Act (ADA).

10. PANELS

SINGLE SEAT

The Single Seat shall consist of a 13 1/2" Dia. cast aluminum seat mounted to a 1.66" OD x .083" (14 gauge) pipe (seat arm) via 1/2" set screw. It shall be coated after fabrication with a custom formula of TGIC polyester powder in conformance with the specifications outlined herein. The seat arm is bolted to an upright with a mounting tab that is welded to the end of the pipe.

SINGLE GIZMO PANEL

Gizmo panel shall be 2-1/2" thick, color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein. The Pipe Connector shall be an all welded structure fabricated from 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing and 3/16" stainless steel. The Pipe Connector shall be coated with a custom formula of TGIC

polyester powder, after fabrication in conformance with the specifications outlined herein. Gizmo's shall conform to the Gizmo specifications outlined herein.

GIZMO'S

The Wheel Housing, Window Housings and Cap shall be injection molded from color impregnated high density polyethylene. The Maze Bubble shall be injection molded from clear ABS plastic. The Echo Chamber, Answer Wheel, Knob, Maze, and Click Wheel shall be injection molded from color impregnated ABS plastic. The Bushing shall be injection molded Acetal. The Bubble Mirror shall be vacuumed formed of 3/16" thick polycarbonate with a mirror finish applied to the concave side. The Flat Mirror shall be 1/8" thick polycarbonate with a mirror finish applied to one side. The Stained Glass shall be 1/16" translucent Polycarbonate.

11. SLIDES

WILDSLIDE

This multi-sectional rotationally molded open-bedway slide shall be manufactured from color impregnated linear low density polyethylene and shall conform to the rotationally molded product specifications outlined herein. Entry to the slide incorporates a tunnel access. The slide bedway shall have a 20" inside diameter on a 40° maximum slope so that each section will decrease in height by 12". The Double Entrance includes a triangular shaped platform filler that shall be fabricated from 11 gauge punched steel with a protective p&o finish in conformance with the specifications outlined herein. The platform filler shall be a one-piece assembly finished with the matte PVC coating per the specifications herein. The slides will be offered on 4', 5', 6', 7', and 8' deck heights. Entrance, Double Entrance, 1'Exit, 2' Exit, Straight, Spiral, Left, and Right sections shall be molded so that they overlap externally at each junction and all hardware connections are located on the outside of the sections. All sections shall be of double wall construction with a nominal wall thickness of 1/4". The exit sections features a molded-in pedestal. Slides of 5',6', 7', and 8' deck heights will use 3' or 4' slide supports.

ZIP SLIDES (SINGLE & DOUBLE BEDWAY, AND RUMBLE & ROLL)

Zip Slides and hoods shall be color impregnated linear low-density polyethylene and shall conform to the rotationally molded specifications outlined herein with double wall construction molded to a minimum .25" wall thickness. Single bedway Zip Slides shall have a minimum inside bed width of 17.5" while double bedway Zip Slides shall have a minimum inside bed width of 16.5" on each bedway. Outside rails are at least 7" high when measured from the centerline of the bedway surface. The angle of descent shall be no greater than 50°. Each Zip Slide works in conjunction with a rotationally molded hood that has an integrated cross bar which force users to a seated position. The exit section of the bedway shall have a minimum 40" radius for a smooth transition from the slide chute to the run-out area. The run-out shall be angled at

a maximum of 4° with an integrated drain at 5° to reduce pooling of water. Zip Slides bolt directly to the deck and to the slide hood.

12. DESIGN

The design of the play unit should contain the following components:

Transfer deck access with attachment to 3' high, 49" x 49" deck that attaches to a spiny arch climber that is attached to the outside of another 3' high deck. Overhead ladder access package to be provided at each end of an overhead tree climber. This is connected to a 3' high deck 49" x 49" with a curved zip slide opposite a set of 3 skywheels with a bubble climber opposite the overhead ladder ending with a crunch bar. From the crunch bar a side stepper must attach to a 5' high triangular deck that leads to a tunnel up connecting to the first deck. The 5' deck steps up to a 5'-6" triangular. A twister climber attaches to the 5'-6" deck with a step up platform to a 8" high wilder slide. A single gizmo panel w/click wheel and chining bar shall be attached attached.

The playground unit shall provide the following minimum capabilities

Child capacity 40-45

ADA elevated 9

Accessible 6

Ground 4

For questions or additional information, please contact Phil Handy,
Superintendent of Parks at 203-385-4080

TOWN OF STRATFORD
BID #2009-049
Playground Equipment

BID SHEET

Bid for the furnishing and delivery to 550 Patterson Avenue of 5 playground units as specified in these specifications and plan, complete with instructions and all hardware for installation, price for 5 units _____dollars and cents.

Bid for furnishing 205 – 4' x 12" units of black playcurbing with 30" spikes price per unit _____dollars and _____cents.

Bid for furnishing 5 handicapped black playcurbing access units 4'-0 wide price per unit _____dollars and _____cents.

Bidder's Name : _____

Address : _____

Phone : _____ Date : _____

Authorized Signature : _____

Printed Name : _____

Title : _____

Town of Stratford
 BID #2009-049 - Playground Equipment

Section	Specifications	Complies with specification	Does Not Comply with specification	Variations
1	Compliance with General Systems Construction			
2	Warranties			
3	General Specifications of Materials			
4	Uprights and upright accessories			
5	Punched steel & coated components			
6	Climbers			
7	Upper Body Development			
8	Overhead Ladders			
9	Crawl Tubes			
10	Panels			
11	Slides			
12	Design			
13	Layout			

Company Name : _____

Signature : _____

Printed Name : _____