

## SECTION 009113 – ADDENDUM ONE

## PART 1 - ADDENDA

## 1.1 PROJECT INFORMATION

- A. Project Name: 23046 Picayune School District Playgrounds, ESSER 3
- B. Owner: Picayune School District, 706 Goodyear Blvd., Picayune, MS 39466
- C. Architect: Dale | Bailey, an Association, 188 E. Capitol Street, Suite 250, Jackson, Mississippi, 39201
- D. Architect Project Number: 23046
- E. Date of Addendum One: 15 June 2023



## 1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum at same time and location.

## 1.3 GENERAL CLARIFICATION

- A. Westside Elementary School:
  - 1. K-2 playground area: Removal & Disposal of existing swings, structure, and climbers.
  - 2. 3<sup>rd</sup> & 4<sup>th</sup> Grade Area: Removal & Disposal of existing metal climber.
- B. Southside Upper Elementary School:
  - 1. Removal & Disposal of existing metal climber and grading as needed for sand area.

## 1.4 REVISIONS TO TECHNICAL SPECIFICATIONS DIVISION 02 – 49

- A. SPECIFICATION 116813 – PLAYGROUND EQUIPMENT (New). See attached specification to be used at all Five (5) locations. Information attached is for setting quality standards.

- B. SPECIFICATION 321816.13 – PLAYGROUND SURFACING (New). See attached specification to be used at all Five (5) locations. Information attached is for setting quality standards.

1.5 ATTACHMENTS

- A. Specification 116813 – Playground Equipment dated 15 June 2023.
- B. Specification 321816.13 – Playground Surfacing dated 15 June 2023.
- C. Rubber Mulch Warehouse – Product Sheet and Warranty.

END OF ADDENDUM ONE



## SECTION 116813 – PLAYGROUND EQUIPMENT

### PART 1 – GENERAL

- 1.1 Description: R0337231134
- 1.2 Quality Assurance:
  - 1.2.1 Equipment and Design Qualifications:
    - 1.2.1.1 All playground equipment shall comply will all the requirements of CPSC, ASTM, ADA and will be IPEMA certified. . **All bidders must submit with their bid the above certification documents.**
    - 1.2.1.2 All safety fall zones shall be determined in accordance with ASTM 1487-07 and CPSC Handbook for Public Playground Safety Publication number 325. **All playground equipment designs shall be evaluated and signed off by a NPSI certified playground inspector.**
- 1.3 Manufacturer Qualifications:
  - 1.3.1 The manufacturer of the playground equipment must carry a minimum of 10 million dollars of liability insurance with an AM best rating. The manufacturer of the playground equipment must have a minimum of 10 years' experience in manufacturing commercial playground equipment.
- 1.4 Applicable Standards
  - 1.4.1 ASTM F1487-07  
Standard consumer performance specification for playground equipment for public use.
  - 1.4.2 CPSC Handbook for Public Playground Safety, publication number 325.
  - 1.4.3 All manufactured components must be IPEMA certified, International Playground Equipment Manufacturers Association.

### PART 2 – PRODUCTS BASIS OF DESIGN STANDARDS

- 2.2 Manufacturer: PlayPower Operations, Monett, Missouri.  
Local Representative: Hahn Enterprises, Inc.
- 2.3 General Equipment Specifications:
  - 2.3.1 Aluminum Caps shall fit snugly into 127 mm (5") tube ends. The Aluminum cap shall be made from SAE 413 aluminum with a minimum wall thickness of 4 mm. Prior to insertion into the post, all caps shall be painted per PPLT PAINT Specification. All caps will be installed at the factory and 127 mm (5") caps will be secured with aluminum hammer drive pins.
  - 2.3.2 STEEL POST with direct connect system shall be 89 mm (3.5") O.D., 11-gauge pre-galvanized round tubing. M Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Posts shall be painted per PPLT PAINT Specification.
    - 2.3.2A 11 GAUGE GALVANIZED STEEL POST for clamp system shall be 127 mm (5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa

(55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Posts shall be painted per PPLT PAINT Specification.

- 2.3.3 PPLT PAINT Specification: Primer shall be electrostatically applied and cured in an infrared oven. Paint shall be an electrostatically applied polyester TGIC (triglycidyl isocyanurate) powder coating which shall be cured at temperatures between 400- and 500-degrees Fahrenheit. The thickness of the combined primer/paint shall be between 5 mils and 11 mils. The polyester powder shall comply with ASTM standards: D-2794 (Impact Resistance Test), B-117 (Salt Spray Resistance Test), G26 (Weatherability Test), and D3359B (Adhesion Crosshatching Test).
- 2.3.4 PlayPower Operations ROTO Specification: Rotationally Molded Plastic Parts shall be molded from linear low-density polyethylene with ultraviolet (UV) light stabilizers, anti-static guard (for Molding purposes) and color molded in. This material shall comply with ASTM-D-790 (Flex Modulus), ASTM -D-638 (Tensile Strength), ASTM-D-648 (Heat Deflection Temperature), ARM-STD (Low Temperature Impact) and rated UL 94.
- 2.3.5 PPLT PVC Specification: Textured Poly-Vinyl-Chloride coating shall be an average of 3 mm (.125") thick. Poly-vinyl-chloride coating shall be oven cured and textured for added traction when wet or dry.
- 2.3.6 Hardware: Bolts, Nuts, Screws, Threaded Spacers, Washers and Other Hardware used in the assembly of components shall be metric stainless Steel and tamper resistant. All necessary hardware shall be provided.
- 2.3.7 Deck Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12-gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp attachment bracket shall be formed from 11-gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.
- 2.3.8 Rail Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12-gauge HRPO steel. Clamps shall have a minimum 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. All clamp halves shall be zinc plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.
- 2.3.9 Wing and Panel Clamp assemblies shall consist of two steel half-clamps. Clamp profiles shall be designed to eliminate protrusions. Clamps shall be die formed from 12-gauge HRPO steel. Clamps shall have a 6 mm (.25") radius rib formed in the top and bottom of the clamp for structural integrity. The clamp wing bracket shall be formed from 7-gauge sheet steel and shall be welded securely to the clamp half. All clamp halves shall be zinc

plated, yellow dichromate coated and phosphate coated before being TGIC (triglycidyl isocyanurate) polyester powder coated. Tamper-resistant fasteners shall be used to retain clamps and shall consist of M10 six lobe socket head stainless steel cap screws and M10 slab-base Tee nuts. All clamps shall be provided with aluminum hammer drive pins to protect against slippage.

- 2.3.10 All Steel Tube Components shall comply with ASTM standards: A-500, Or A-513. The steel tube components contain five layers including an inside galvanized coating, high tensile strength cold formed steel, hot dipped pure zinc meeting ASTM B-6 applied at 3.5 tenths of an ounce per square foot, and a proprietary conversion and advanced polymer coatings. The components are freed of excess weld spatter and shall be cleaned in a multiple bath system which shall include a rust-inhibitive iron phosphate wash prior to painting. Exceptions: 127 mm (5") O.D. aluminum posts.
- 2.3.11 Brackets shall be fabricated from punched and formed 4.5 mm pre-galvanized sheet steel.
- 2.3.12 Gaskets shall be rubber injection molded from ultraviolet (U.V.) protected synthetic rubber. Rubber gaskets shall provide an aesthetic seal around the wonder fastener and bracket.
- 2.3.13 Footing for 127 mm (5") diameter upright posts shall be 305 mm (12") diameter x 940 mm (37") depth. Galvanized steel posts shall be 127 mm (5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 330MPa (48,000 psi). Minimum yield point shall be 310MPa (45,000 psi). The bottom portion of all upright posts shall be crimped slightly.

**PART 2 – ROSELAND PARK PRODUCTS**

2.1

Part Number	Description
100001134	KB DK/DK PLATE 203 MM/8"
100001231	TIMBER KID TM 1830MM/ 6' BLK
200006976	SLIDE DBL.WD. 1220 MM/48" KB
200006980	SLIDE WAVE KB 1220 MM/48" KB
200008193	TOOLBOX KID BUILDERS #2, S.S. (MM)
200013800	KB 136" POST PLUS GLV. W/ALUM.CAP
200013812	KB 148" POST PLUS GLV. W/ALUM.CAP
200079019	KB LEG LIFT BAR
200102486	CLIMBER FAN 56"/1422mm F/KB
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS
200125581	STEPS DECK/DECK 1016 MM W/SFTY RAILS KB
200200162	KB 1016MM ELBOW SLIDE LEFT
200200530	KIT MAINTENANCE KB W/PAINT W/O LIST
200200630	INFINITY WEB W/ ROPE FREESTANDING
200200686	POST PLUS 186" W/ALUM CAP F/KB
200200687	POST PLUS 200" W/ALUM CAP F/KB
200202247	BRIDGE CLATTER 8' KB W/SFTY.RL(LG HOLE)
200202431	KB VERTICAL POD CLIMBER 48"
200202475	KB TILTED ROCK CHALLENGE WALL 40"
200202483	KB DECK SQUARE LARGE HOLE 11GA
200202496	KB DECK HALF HEX LARGE HOLE 11GA

200202558	KB TRANS STAT 1016 SFTY RL 11GA
200202741	NU-EDGE LOG SLICE CLIMB 1220MM(48") F/KB
200203038	KB SHADE 12X12 SAIL STD FAB
200203093	KB 176 POST 5" F/SHADE
200203097	KB 225 POST 5" F/SHADE
200203124	KB QUANTUM II SLIDE 8' SPIRAL LEFT
200203145	KB SHADE 17' SAIL HEX STD FAB
200203205	KB BOINGO
200203574	ASSY POST MT.PLAS.STEER.WHL.
200203589	KB SILO SCRAMBLE W/SGL ENCLOSURE
200203591	KB PEDAL TWIST CLIMB
200203613	KB TANDEM NET CLIMB SGL
200203632	PANEL REACH SILLY FACE F/KB
200305597	14' LARGE CRATE (ASSY DOMESTIC)
787Z	RISK MANAGEMENT SIGN - ENGLISH
925603	LABEL P/C (5 TO 12 YRS) PPLT
925960	THUMB DRIVE 2GB - PPLT
926020	LITTLE TIKES CARD F/THUMB DRIVE
INSTALL	INSTALL BOOK FOR PP ORDERS
BOOK	

**2.3.14 ROSELAND PARK ELEMENTARY SCHOOL Component Specifications:**

2.3.15.1 11 GAUGE GALVANIZED STEEL POST shall be 127 mm (5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Plastic or Aluminum caps shall fit into the end of the 127 mm (5") tube. After fabrication, all posts shall be painted per PPLT PAINT Specification.

2.3.15.2 Boingo Drum shall be rotationally molded per PPLT ROTO Specification. Support ring shall be constructed from 19mm (3/4") thick high density polyethylene sheet. Support shall be constructed from 33mm (1.315") O.D. pre-galvanized steel tubing welded to 7ga. (4.5mm) thick plates and painted per PPLT PAINT Specification.

2.3.15.3 COLORED KICK PLATES AND DECK TO DECK ACTIVITY PLATES shall be fabricated from 13 gauge (2.3 mm) pre-galvanized sheet steel for the 8", 12", and 16", 24", 28", and 32" plain models. Models with slots or Parachutes (24", 28", 32") shall be fabricated from 11 gauge (3.0 mm) pre-galvanized sheet steel. After fabrication, deck to deck plates shall be painted per PPLT PAINT Specification. 8", 12" and 16" plates shall have fun faces laser cut into them. 24", 28" and 32" plates shall have grooves cut into them with optional slider "Parachute/shapes" fabricated from CNC Routed high density polyethylene sheet.

2.3.15.4 DECK TO DECK STEPS WITH SAFETY RAIL shall consist of welded tread, riser and stringer sections fabricated from 13 gauge hot rolled steel. This assembly shall be coated per PPLT PVC Specification. Safety Rails shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized tubing. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Safety Rails to be painted per PPLT PAINT Specification.

- 2.3.15.5 DOUBLE WIDE SLIDE WITH HOOD shall be rotationally molded per PPLT ROTO Specification. Plastic double wide slide sides shall be 203 mm (8") high from the slide surface and slide bed way shall be designed with a 406 mm (16") minimum width. Double wide slide shall be a one-piece design with a center divider having no seams, joints or gaps. Slide end support shall be fabricated from 38 mm (1.5") square tubing. Mid support shall be fabricated from 60.3 mm (2.37") O.D. tubing. All steel tubing shall be painted per PPLT PAINT Specification.
- 2.3.15.6 ELBOW SLIDE WITH HOOD side rails shall be a minimum of 229 mm (9") high from the slide surface. Slide and Slide Enclosure shall be rotationally molded per PPLT ROTO Specification. Slide end support shall be fabricated from 38 mm (1.5") square tubing. All steel tubing shall be painted per PPLT PAINT Specification.
- 2.3.15.7 FAN CLIMBER shall be designed to incorporate a one-piece, all welded construction with rungs welded to side rails. The side rails shall be fabricated from 42.2 mm (1.66") O.D. pre-galvanized steel tubing and shall be arched with a center-to-center spacing of 496 mm (19.5"). The rungs shall be fabricated from 33.4 mm (1.315") O.D. pre-galvanized steel tubing and shall have a "U" shape design. Fan Climbers mount directly to safety loops on a deck. Safety Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.8 FULL-HEX VINYL CLAD METAL DECK shall cover a minimum of 3.78 square meters (5,900 square inches) of top surface area and be designed to maintain a full 1.2 m (48") on center post spacing. Construction shall consist of two half-hex shaped decks assembled together during installation. Metal decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed and reinforced with welded in place 11-gauge strips and 7-gauge corner plates. Decks shall have a pattern of equally spaced holes on each edge to provide flush mounting of play events that attach to the deck. This hole pattern shall allow multiple decks at the same level to be assembled providing a surface without size limitations. This assembly shall be coated per PPLT PVC Specification.
- 2.3.15.9 Identification label shall be fabricated from aluminum sheet .016" (4 mm) thick and attached with aluminum pop rivets.
- 2.3.15.10 Infinity Web with Rope Climber Freestanding: climbers, pads, pods and waves shall be molded per PPLT ROTO Specification. The Support posts shall be fabricated from 88.9mm (3.5") and 127mm (5") O.D. 11 ga pre-galvanized tubing with 11-gauge pre-galvanized sheet steel tabs. The wave supports shall be fabricated from 48.4 mm (1.9") O.D. 11 ga pre-galvanized tubing with 7-gauge pre-galvanized sheet steel mounting plates. All steel components shall be painted per PPLT PAINT Specification. The rope net shall be fabricated from Nylon braided rope with steel re-enforcement. Each joint shall be rigidly secured. The rope net shall be attached to the frame using stainless steel hardware.
- 2.3.15.11 KB ACTIVITY PANEL shall be fabricated from routed 19mm (3/4") high density polyethylene. Deck plates shall be pre-galvanized 3.0mm (.12") 11-gauge sheet

steel. Various activities may include cast aluminum bells, fiberglass embedded graphics, sealed bearings, zinc plate steel shafts, and 3.0mm (.12") mirrored polycarbonate. Steel shall be painted per PPLT PAINT specification or dipped per PPLT PVC specification. Hardware used shall be stainless steel and tamper resistant.

- 2.3.15.12 KB PEDAL TWIST CLIMBER frame shall be fabricated from pre-galvanized 60.3 mm (2.375") O.D. 10-gauge steel tubing, pre-galvanized 42.2 mm (1.66") O.D. 11-gauge steel tubing, 33.4 mm (1.315") O.D. 11-gauge steel tubing, and drawn over mandrel 51 mm (2.00") O.D. x 8mm (0.315") steel tubing. Enclosures shall be fabricated per KB WIRE MESH PANELS specification. Mounting plates shall be fabricated from 9.5 mm (0.375") sheet metal steel. After fabrication, all metal shall be painted per PPLT PAINT Specification. Accents shall be fabricated from E.P.D.M. 50 duro rubber with a molded-in steel insert. Enclosures and accents shall be secured with provided HARDWARE.
- 2.3.15.13 KB SILO SCRAMBLE CLIMBER frame shall be fabricated from pre-galvanized 60.3 mm (2.375") O.D. 12-gauge steel tubing, pre-galvanized 33.4 mm (1.315") O.D. 11-gauge steel tubing, and mild steel blocks. Enclosures shall be fabricated per KB WIRE MESH PANELS specification. After fabrication, all metal shall be painted per PPLT PAINT Specification. Ropes shall be fabricated from rope consisting of six galvanized steel cables (2.5 mm O.D. each) twisted together and wrapped with 6mm of high strength polyester fiber. Enclosures and ropes shall be secured with SAE 841 Bronze bushings and other provided HARDWARE.
- 2.3.15.14 KB TANDEM NET CLIMBER frame shall be fabricated from pre-galvanized 60.3mm (2.375") O.D. x 12-gauge steel tubing, pre-galvanized 33.4mm (1.315") x 11-gauge steel tubing, drawn over mandrel 51 mm (2.00") O.D. x 8mm (0.315") steel tubing, and mild steel blocks. Surface mount plates shall be fabricated from 9.5mm (.375") sheet metal steel. After fabrication, all metal shall be painted per PPLT PAINT Specification. Frame shall be capped with plastic caps. Rope shall consist of steel reinforced nylon braided rope with a galvanized foundation steelwork. The frame shall be secured with SAE 841 Bronze bushings and other provided HARDWARE.
- 2.3.15.15 LEG LIFT LOOP shall be fabricated from 33 mm (1.315") O.D., pregalvanized steel tube. Mounting tab shall be fabricated from 13-gauge pre-galvanized sheet steel. After fabrication, all parts to be painted per PPLT PAINT Specification.
- 2.3.15.16 NU-EDGE LOG SLICE CLIMBERS shall have steps made from NATURTEK material formed into the shape of slices of logs. They will be attached to a climber fabricated from 4.5mm (7ga) pre-galvanized sheet steel, 48.3mm (1.875") O.D. pre-galvanized tubing, and 42.2mm (1.625") O.D. pre-galvanized tubing. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 ga) pre-galvanized sheet steel. Climbers and enclosures shall be painted per PPLT PAINT Specification. NATURTEK material is a Polyester Composite: Color impregnated, UV stabilized, non-mold-supporting, formed from virgin corrosion-resistant polyester resin; with 1/2- to 3/4- inch (12 to 18 mm) wall thickness, with the following characteristics: Flexural Strength, ASTM D 790: 18,000 psi. ; Tensile Strength, ASTM D 638:



9,000 psi. ; Compressive Strength, ASTM D 695: 17,000 psi.; Barcol Hardness, ASTM D 2583: 40 minimum.

2.3.15.17 QUANTUM II SPIRAL SLIDE SECTIONS shall be rotationally molded per PPLT ROTO Specification and bolt together to form a single bed way slide. Slide end support shall be fabricated from 38 mm (1.5") square tubing and 4.5mm (7 gauge) pre-galvanized sheet steel. Vinyl deck shall be fabricated from punched 11 gauge hot rolled sheet steel and be a one piece all welded assembly coated per PPLT PVC Specification. Handrails to be fabricated from 13 ga 33 mm (1.315") OD pre-galvanized tubing, vertical rungs shall be fabricated from 1" X 3/4" FSO pre-galvanized steel tubing, and steel plates from 11-gauge pre-galvanized sheet. Mid support shall be fabricated from 42 mm (1.66") O.D. tubing. All steel components shall be painted per PPLT PAINT Specification.

2.3.15.18 Shade Builder Pyramid, Sails, Hexagon and Umbrella Integrated into the Playground Product Specifications: ALL STRUCTURES ARE DESIGNED TO MEET THE REQUIREMENTS OF ASCE 7-05 (IBC 2006, IBC 2009, CBC2010) AND ASCE 7-10 (IBC 2012). LIVE LOAD 5 PSF-SNOW LOAD 10 PSF-DESIGN WIND SPEED 90 MPH (3-SEC GUST) EXPOSURE C (FROM ASCE 7-05)-DESIGN WIND SPEED 115 MPH RISK CATEGORY II (FROM ASCE 7-10)All tube shall conform to ASTM A500. Steel plate shall conform to ASTM A572, Fy = 50 KSI. All fabrication and erection of structural steel shall conform to the current edition of AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings". All fabrication and erection of the light gauge pipes shall conform to AISI cold-formed steel specifications. Steel welds shall conform to AWS D.1: Electrodes, Class E70XX, Low Hydrogen. Frames are to be painted per PPLT Paint Specification. Structural Steel Columns are made of 88.9 mm (3.5") O.D. pre-galvanized tubing for PB and are made of 127 mm (5") O.D. pre-galvanized tubing for KB. Structural Steel Rafters are made of 88.9 mm (3.5") O.D. pre-galvanized tubing. Shade Panels: Fabric shade cloth has been specifically developed to produce a very strong and stable outdoor fabric for use in tension structures and shade awnings. This range offers the ultimate combination of maximum sun protection plus the strength and durability to ensure maintenance-free, long-life performance. Mildew and Rot resistant, Heat and hail resistant. Maintains color in all weather conditions. High Density Polyethylene (HDPE), UV stabilized with a monofilament and lockstitch sewing construction producing a fabric that will not tear or fray if cut. Available in Standard and Fire-Retardant Fabric, 6 Colors in Standard Fabric and 7 Colors in Fire Retardant Fabric. Provides shade factors up to 94% and blocks up to 95% of dangerous UV solar radiation for Standard Fabric. Provides shade factors up to 86% and blocks up to 84% of dangerous UV solar radiation for Fire Retardant Fabric. Temperature reduction of up to 30 degrees. It is recommended to remove Shade fabric prior to snowfall. Structural framing may remain in place during winter months.

2.3.15.19 SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.46 square meters (2,275 square inches) of top surface area, be a one-piece construction and be designed to maintain a full 1.2 m (48") on center post spacing. Metal decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed and reinforced with welded in place 11-gauge strips and 7-gauge plates. Decks shall have a pattern of equally spaced holes on each edge to provide flush mounting of play events that attach to the deck. This hole pattern shall allow

multiple decks to be assembled at the same level providing a surface without size limitations. This assembly shall be coated per PPLT PVC Specification.

2.3.15.20 TILTED ROCK CHALLENGE WALL shall be constructed of high-density polyethylene sheets. The hand grips shall be molded from a plastic resin. The steel wall and feet supports are fabricated from pre-galvanized 42.2 mm (1.625") diameter steel tubing welded with 11 gauge pre-galvanized steel brackets. Safety Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts except wall boards and hand grips shall be painted per PPLT PAINT Specification.

2.3.15.21 TRANSFER STATION WITH SAFETY RAIL shall consist of two triangular decks and step assemblies for the handrails. Each triangular deck shall be fabricated from 11-gauge sheet steel, covering .37 square meters (575 square inches) and have three 25 x 152 mm (1" x 6") hand slots incorporated into the deck surface for aid in user transition. The step assemblies provide access from the transfer decks to a 915 mm (36"), 1016 mm (40"), 1220 mm (48"), 1422 mm (56"), 1625 mm (64") deck height. Each step shall have a tread depth of 406 mm (16") and a tread width of 953 mm (37.5"), with each rise 203 mm (8") or less. Each step assembly shall have an all-welded construction from 13 gauge sheet steel. Each step assembly and Transfer Deck shall be coated per PPLT PVC Specification. Transfer Station Safety Rails shall be fabricated from 33 mm (1.315") O.D., pre-galvanized, 11-gauge tubing and 3/4" X 1" FSO pre-galvanized tubing. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Transfer Station loops shall be fabricated from 42.2 mm (1.66") O.D., pre-galvanized, 11-gauge tubing. All welded handrail assemblies shall be painted per PPLT PAINT Specification.

2.3.15.22 VERTICAL POD CLIMBERS shall be fabricated from 42.2 mm (1.66") x 11-gauge pre-galvanized steel tubing. Plates shall be fabricated from 3 mm (.12") sheet steel. Pods shall be fabricated from E.P.D.M. 50 duro rubber with a steel insert molded inside. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all steel parts shall be painted per PPLT PAINT Specification.

2.3.15.23 VINYL CLAD CLATTER (SUSPENSION) BRIDGE (U.S. Patent #5,118,099) planks shall be pre-assembled at factory for ease of installation. Clatter Bridge planks shall be fabricated from one piece of 11 gauge punched and formed hot rolled sheet steel. The clatter bridge plank shall be dipped per PPLT PVC Specification. Assembly of planks shall be such that no open gaps occur between planks. Plank to plank joints shall be pinch proof to the user. No cables or chains shall be used in the assembly of the planks. Clatter bridges with Safety Rails shall be fabricated from 33.4 mm (1.315") pre-galvanized steel tubing, 42.2 mm (1.66") O.D. pre-galvanized steel tubing, and 3/4" X 1" FSO pre-galvanized tubing. Safety Rails shall match the curve of the bridge and provide user stability at a consistent height along the bridge. Safety rails shall be painted per PPLT PAINT Specification.

2.3.15.24 WAVE SLIDE WITH HOOD shall be rotationally molded per PPLT ROTO Specification. Plastic slide side rails shall be a minimum of 203 mm (8") high

from the slide surface and slide bed way shall be designed with a 406 mm (16") minimum width. Slide bed shall be one-piece with no seams or joints. Slide end support shall be fabricated from 38 mm (1.5") square tubing. Mid support shall be fabricated from 60.3 mm (2.37") O.D. tubing. All steel components shall be painted per PPLT PAINT Specification.

**PART 2 – WESTSIDE ELEMENTARY SCHOOL PRODUCTS**

2.1

Part Number	Description
100001231	TIMBER KID TM 1830MM/ 6' BLK
100001232	TIMBER KID TM 610MM/ 2' BLK
100005100	PB DK/DK PLATE 205MM/8"
100005233	PB SPLIT DK/DK PLATE 205MM/8"
100005274	PB SQUARE DECK
100005350	PB HALF SQUARE DECK
100005640	PB TRIANGLE DECK
200054508	PB SLIDE POLE 1625 MM/64"
200054572	CLIMBER INV.AR. PB 48"/1220 SAFETY LOOP
200063638	PB TUNNEL SINGLE CRAWL BELOW DECK
200063639	PB TUNNEL SINGLE CRAWL ABOVE DECK
200072938	TOOLBOX F/PLAY BUILDERS (MM)
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS
200122443	SLIDE SPIRAL PB 1625/64 (2007)
200142353	FOUR TIKES OF STEEL PRIMARY
200200330	SLIDE DBL.WD.PLASTIC48"/1220MM PB (2004
200200433	TRANSFER STATION 1220 MM PB_W/SAFE.RLS.
200200531	KIT MAINTENANCE PB W/O LIST PRICE
200200618	VERSA-CLIMB TM 4 SECTION
200200637	INFINITY BOOMERANG 1015 F/PB
200200650	PB TELESCOPE PANEL DKMT
200200732	PB MATCHING GAME PNL
200200973	PB PANEL CRAWL FLAT TOP PTMT
200201049	PB BALCONY DECK W/ TELESCOPE RAIL
200202202	MAXPLAY 8' STANDARD BEAM
200202204	MAXPLAY 8' ADD-ON STANDARD BEAM
200202438	PB VERTICAL POD CLIMBER 48"
200202616	PB POST W/CAP 3300MM (130")
200202617	PB POST W/CAP 3505MM (138")
200202618	PB POST W/CAP 3710MM (146")
200202835	ASSY BELT SEAT F/8' SWING W/CHAIN
200202910	PB BRIDGE "S" CURVE RGT W/SAFE RAILS 8'
200203193	PB BEATBLOCKS PANEL
200203206	PB BOINGO
200203271	PB 48" QUANTUM II SLIDE
200203453	PB CULVERT CLIMBER 40"
200203454	PB CULVERT CLIMBER 48"
200203472	PB ACTIVITY PANEL FRAME DKMT
200203477	ACTIVITY PANEL A-MAZE-ING INSERT
200203578	ASSY F/PB POST MT.PLAS.STEER.WHL.
200203648	PB SIMON SAYS PANEL DKMT

**2.3.14 Westside Elementary Component Specifications:**

- 2.3.15.1 "S" BRIDGE WITH SAFETY RAILS shall be a minimum of 915 mm (36") wide. Bridges shall be fabricated from laser cut 11-gauge steel with 76 mm (3") formed sides. Bridge assemblies shall be vinyl dipped per PPLT PVC Specification. Safety Rails vertical rungs shall be fabricated from 25 mm (1") pre-galvanized steel tubing. The horizontal rails shall be fabricated from 33 mm (1.315") pre-galvanized steel tubing. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Safety rails shall be painted per PPLT PAINT Specifications.
- 2.3.15.2 360° SPIRAL SLIDE (U.S. Patent #D335,517) WITH HOOD shall be two piece with a seamless bedway, rotationally molded per PPLT ROTO Specification. Slide side rails shall be a minimum of 355 mm (14") high from the slide surface. Center post shall be 89 mm (3.5") pre-galvanized tubing. Spiral slide shall provide a full 360° of rotation. Slide transition decks shall be fabricated from punched sheet steel and shall cover a minimum of 0.7 square meters (1,080 square inches) of top surface. This assembly shall be coated per PPLT PVC Specification. Slide enclosures shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. Slide enclosures shall have no gaps greater than 76 mm (3") and less than 254 mm (10"), especially between vertical rungs and posts. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.3 ACTIVITY PANEL INSERTS shall be fabricated from a combination of routed high-density polyethylene, 4.7mm (3/16") screen printed polycarbonate, and 6.35mm (1/4") mirrored polycarbonate. Hardware used shall be stainless steel and tamper resistant.
- 2.3.15.4 BEATBLOCKS PANEL shall be constructed from 19mm (3/4") thick high density polyethylene sheet. Support shall be constructed from 33mm (1.315") O.D. and 25mm (1") O.D. pre-galvanized steel tubing welded to 7ga. (4.5mm) thick plates and painted per PPLT PAINT Specification.
- 2.3.15.5 Boingo Drum shall be rotationally molded per PPLT ROTO Specification. Support ring shall be constructed from 19mm (3/4") thick high density polyethylene sheet. Support shall be constructed from 33mm (1.315") O.D. pre-galvanized steel tubing welded to 7ga. (4.5mm) thick plates and painted per PPLT PAINT Specification.
- 2.3.15.6 COLORED KICK PLATE AND DECK TO DECK ACTIVITY PLATES shall be fabricated from 13 gauge (2.3 mm) pre-galvanized sheet steel for the 8", 12", and 16" models and shall have fun faces laser cut into them. The 24", 28", and 32" models shall be fabricated from 11 gauge (3.0 mm) pre-galvanized sheet steel. After fabrication, deck to deck plates shall be painted per PPLT PAINT Specification. 24", 28" and 32" plates shall have grooves cut into them with optional slider "Parachute/shapes" fabricated from CNC Routed high density polyethylene sheet.

- 2.3.15.7 CRAWL TUNNELS shall have an approximate internal diameter area of 762 mm (30"). Tunnel and panel shall be rotationally molded per PPLT ROTO Specification.
- 2.3.15.8 DOUBLE WIDE SLIDES shall be rotationally molded per PPLT ROTO Specification. Plastic double wide slide sides shall be 203 mm (8") high from the slide surface and slide bedway shall be designed with a 406 mm (16") minimum width. Double wide slide shall be a one-piece design with a center divider having no seams, joints or gaps. Slide end support shall be fabricated from 38 mm (1.5") square tubing. Mid support shall be fabricated from 60.3 mm (2.37") tubing. All steel tubing shall be painted per PPLT PAINT Specification.
- 2.3.15.9 Identification label shall be fabricated from aluminum sheet .016" (4 mm) thick and attached with aluminum pop rivets.
- 2.3.15.10 INFINITY CLIMBER BOOMERANG climbers shall be rotationally molded per PPLT ROTO Specification. The Support posts shall be fabricated from 88.9mm (3.5") 11 ga pre-galvanized tubing with 11 ga pre-galvanized sheet steel tabs. Enclosure shall be fabricated from 33.4 mm (1.312") O.D. and 42.2 mm (1.66") O.D. pre-galvanized steel tubing with 11 ga pre-galvanized sheet steel tabs. The Support posts and Enclosures shall be painted per PPLT PAINT Specification.
- 2.3.15.11 INVERTED ARCH CLIMBER shall be designed to incorporate a one-piece, all welded construction with rungs welded to siderails. The siderails shall be fabricated from 42.2 mm (1.66") O.D. pre-galvanized steel tubing, be arched and have a center to center spacing of 722 mm (28.437"). The rungs shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and shall have a "U" shape design. Available with hand hold loops or safety loops. Safety Loops shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. Hand Hold Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.12 KID TIMBERSâ„¢ LOOSE FILL BORDER PANELS (black) shall be rotationally molded from 100 percent pre-consumer recycled polyethylene with ultraviolet (UV) light stabilizers and color molded in. Borders shall have three through holes for anchor stakes drilled through the part. The holes for the anchor stakes shall have a recess 16 mm (.614") deep to allow for the head of the stake to be below the top surface. Overall size of the loose fill border panel shall be 127 mm (5") wide x 1956 mm (77.0") long x 304 mm (12") high and 127 mm (5") wide x 737 mm (29.0") long x 304 mm (12") high. Borders shall have a 13 mm (.5") radius on all outer edges and shall assemble in 1.8 m (6') and 610 mm (24") increments. Anchor stakes shall be 19 mm (.75") in diameter x 762 mm (30") long and shall have a ring shank to aid in keeping the stake from backing out. Anchor stakes shall have a rounded head and a semi-core point and shall be hot dip galvanized after fabrication. Borders shall be black in color and may have a certain amount of color variation due to the blending of the pre-consumer recycled resin.
- 2.3.15.13 MAX PLAYâ„¢ SWING beam shall be fabricated from 60 mm (2.375") O.D. 5-gauge pre-galvanized steel tube. Uprights shall be fabricated from 127 mm (5") O.D. 11-gauge pre-galvanized steel tube. The beam and uprights shall be

painted per PPLT PAINT Specification. Anti Wrap-over swing bearings (U.S. Patent 6,123,480) shall be fabricated from 415D sand cast Aluminum Bronze with injection molded nylon plastic sleeve.

- 2.3.15.14 PB ACTIVITY PANEL FRAME shall be fabricated from routed 19 mm (3/4") high density polyethylene. Mounting tabs shall be fabricated from pre-galvanized 4.5 mm (.18") 7-gauge sheet steel. Hardware used shall be stainless steel and tamper resistant. All steel shall be painted per PPLT PAINT Specification.
- 2.3.15.15 PB ACTIVITY PANEL shall be fabricated from routed 19mm (3/4") high density polyethylene. Deck plates shall be pre-galvanized 3.0mm (.12") 11-gauge sheet steel. Various activities may include cast aluminum bells, fiberglass embedded graphics, sealed bearings, zinc plate steel shafts, and 3.0mm (.12") mirrored polycarbonate. Steel shall be painted per PPLT PAINT specification or dipped per PPLT PVC specification. Hardware used shall be stainless steel and tamper resistant.
- 2.3.15.16 PB Balcony Decks w Handrails: Decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed and welded. This assembly shall be coated per PPLT PVC Specification. Handrails shall be fabricated from 33.4 mm (1.3") and 25.4 mm (1") x 19 mm (3/4") ob-round pre-galvanized steel tubing and 11 ga pre-galvanized sheet steel with laser cut detailing and shall be an all-welded construction. Handrails shall be painted per PPLT PAINT Specification.
- 2.3.15.17 PB CULVERT CLIMBER pods shall be made from pre-galvanized 305 mm (12") 16ga corrugated metal pipe and shall be welded to plates made from 7 ga and 11 ga pre-galvanized sheet steel. The top of the pods shall be covered with CNC routed HPDE. Handrails (when necessary) shall be fabricated from 42.2 mm (1.7") O.D. pre-galvanized tubing. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 ga) pre-galvanized sheet steel. All steel components shall be painted per PPLT PAINT specification.
- 2.3.15.18 PB Telescope Panels shall be fabricated from a combination of 33.4 mm (1.312") O.D. pre-galvanized steel tubing, 19mm X 25.4mm obround pre-galvanized steel tubing, and laser cut plates fabricated from 3.0mm (11 gauge) pre-galvanized sheet steel. Telescopes shall be molded per PPLT ROTO Specification. Panels shall be painted per PPLT PAINT Specification.
- 2.3.15.19 PB WEATHER PANEL shall be fabricated from 33.4 mm (1.312") O.D. and 25.4 mm (1") O.D. pre-galvanized steel tubing. Panel and side plates shall be fabricated from 3 mm (11 gauge) sheet steel. Assembly shall contain a specific weather activity insert assembled from various thickness of compression molded polyethylene and polycarbonate routed with various weather activities. Prior to assembly, panel shall be painted per PPLT PAINT Specification.
- 2.3.15.20 QUANTUM II SLIDE SECTIONS shall be rotationally molded per PPLT ROTO Specification and bolt together to form a single bed way slide. Slide end support shall be fabricated from 38 mm (1.5") square tubing and 4.5mm (7 gauge) pre-galvanized sheet steel. Mid support shall be fabricated from 42 mm (1.66") O.D. tubing. All steel components shall be painted per PPLT PAINT Specification.

- 2.3.15.21 SLIDING POLE shall be fabricated from 42.2 mm (1.66") O.D. pre-galvanized steel pipe. Enclosure shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. After fabrication all components shall be painted per PPLT PAINT Specification.
- 2.3.15.22 SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.03 square meters (1,596 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.
- 2.3.15.23 Standard Belt Swing Seats shall be heavy duty construction, fabricated from 70 durometer EPDM rubber with a tempered steel insert molded inside, rendering them slash proof.
- 2.3.15.24 STEEL POST shall be 89 mm (3.5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Plastic caps shall be positioned in the top of each post. Posts shall be painted per PPLT PAINT Specification.
- 2.3.15.25 The plastic panel shall be molded per PPLT ROTO Specification. Panel mounting brackets shall be fabricated from 7-gauge, pre-galvanized sheet steel and dichromate washed. After fabrication, all steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.26 TIKES OF STEEL CLIMBER (4 MAN) shall be fabricated from 33 mm (1.315") O. D. pre-galvanized steel tubing rungs welded to side rails. The side rails shall be fabricated from 48.3 mm (1.90") O.D. pre-galvanized steel tubing. The Climber shall consist of a center support assembly with three Tikes of Steel supporting the perimeter. A center support pole shall be fabricated from 42.2 mm (1.66") O.D. pre-galvanized steel tubing and attach to an arched Tike of Steel (fourth) and center support assembly. After fabrication all components shall be painted per PPLT PAINT Specification.
- 2.3.15.27 TRANSFER STATION WITH SAFETY RAIL shall consist of two triangular decks and step assemblies for the handrails. Each triangular deck shall be fabricated from 13-gauge sheet steel, covering .37 square meters (575 square inches) and have three 25 x 152 mm (1" x 6") hand slots incorporated into the deck surface for aid in user transition. The step assemblies provide access from the transfer decks to a 915 mm (36"), 1016 mm (40"), 1220 mm (48"), 1422 mm (56"), 1625 mm (64") deck height. Each step shall have a tread depth of 406 mm (16") and a tread width of 953 mm (37.5"), with each rise 203 mm (8") or less. Each step assembly shall have an all-welded construction from 13-gauge sheet steel. Each step assembly and Transfer Deck shall be coated per PPLT PVC Specification. Transfer Station handrails shall be fabricated from 33 mm (1.315") O.D. pre-galvanized, 14-gauge tubing and and 3/4" X 1" FSO pre-galvanized tubing. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Transfer Station loops shall be fabricated from 42.2 mm (1.66") O.D., pre-galvanized, 13-gauge tubing. All welded handrail assemblies shall be painted per PPLT PAINT Specification.

- 2.3.15.28 Versa-Climb TM shall be molded per PPLT ROTO Specification. The hand grips shall be molded from a plastic resin. The steel supports are fabricated from pre-galvanized 88.9 mm (3.5") diameter steel tubing. The steel end caps are fabricated from 11gauge sheet steel and shall be painted per PPLT PAINT Specification.
- 2.3.15.29 VERTICAL POD CLIMBERS shall be fabricated from 42.2 mm (1.66") x 11-gauge pre-galvanized steel tubing. Plates shall be fabricated from 3 mm (.12") sheet steel. Pods shall be fabricated from E.P.D.M. 50 duro rubber with a steel insert molded inside. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all steel parts shall be painted per PPLT PAINT Specification.
- 2.3.15.30 VINYL CLAD HALF DECK shall cover a minimum of .52 square meters (798 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.
- 2.3.15.31 VINYL CLAD TRIANGLE DECK shall cover a minimum of .45 square meters (680 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.

**PART 3 – NICHOLSON ELEMENTARY PRODUCTS**

2.1

Part Number	Description
100001231	TIMBER KID TM 1830MM/ 6' BLK
100001232	TIMBER KID TM 610MM/ 2' BLK
100005100	PB DK/DK PLATE 205MM/8"
100005233	PB SPLIT DK/DK PLATE 205MM/8"
100005274	PB SQUARE DECK
100005350	PB HALF SQUARE DECK
100005465	PALM TREE FORGRN F/PB 88.9MM POST
200043217	PB 2440MM RING CHALLENGE LADDER
200060513	PB TURNING AND CHINNING BAR
200065770	PB 7 STATION PLAY FACTORY
200072938	TOOLBOX F/PLAY BUILDERS (MM)
200092985	STEPPING STONE F/PB
200101172	POST W/CAP F/PB 2955/116.3"
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS
200122443	SLIDE SPIRAL PB 1625/64 (2007)
200125981	PB 2440 CATWALK W/SAFETY RAILS
200127048	PB STEEL STORE FRONT
200200331	SLIDE DBL.WD.PLASTIC64"/1625MM PB_(2004
200200531	KIT MAINTENANCE PB W/O LIST PRICE
200200630	INFINITY WEB W/ ROPE FREESTANDING
200200661	PB STEPS DK/DK-LRG HOLE1016mm W/RAILS
200200767	PB TRANSFER STATION (2006)
200201049	PB BALCONY DECK W/ TELESCOPE RAIL
200202022	PB OFFSET CLIMBING ENCLOSURE
200202178	PB WAVY RUNG CLIMBER 64"



200202443	PB HOOPLA BRIDGE 2440MM (96")
200202611	PB POST W/CAP 2285MM (90")
200202613	PB POST W/CAP 2690MM (106")
200202615	PB POST W/CAP 3100MM (122")
200202617	PB POST W/CAP 3505MM (138")
200202618	PB POST W/CAP 3710MM (146")
200202619	PB POST W/CAP 3910MM (154")
200202621	PB POST W/CAP 4320MM (170")
200202622	PB POST W/CAP 4520MM (178")
200203046	PB SHADE 12X12 SAIL STD FAB
200203064	PB TILTED ROCK CHALLENGE WALL 64"
200203107	PB 210 POST 3.5" F/SHADE
200203206	PB BOINGO
200203310	PB 64" DOUBLE ENTRY QUANTUM II SLIDE
200203436	PB ALEX'S LEMONADE STAND PANEL
200203642	PB SCRAMBLED SCALES PANEL DKMT
200203648	PB SIMON SAYS PANEL DKMT
200305597	14' LARGE CRATE (ASSY DOMESTIC)
787Z	RISK MANAGEMENT SIGN - ENGLISH
925603	LABEL P/C (5 TO 12 YRS) PPLT
925960	THUMB DRIVE 2GB - PPLT
926020	LITTLE TIKES CARD F/THUMB DRIVE
HW7704-1	HRDW PKG F/CLAMP ELIMINATION S1/1
INSTALL	INSTALL BOOK FOR PP ORDERS
BOOK	

### **2.3.14 Nicholson Component Specifications:**

- 2.3.15.1 PB WILD AND WAVY RUNG CLIMBERS shall be fabricated from 48.3 mm (1.90") O.D. and 33.4 mm (1.315") pre-galvanized steel tubing. The climber shall be an all-welded construction. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.2 360° SPIRAL SLIDE (U.S. Patent #D335,517) WITH HOOD shall be two piece with a seamless bedway, rotationally molded per PPLT ROTO Specification. Slide side rails shall be a minimum of 355 mm (14") high from the slide surface. Center post shall be 89 mm (3.5") pre-galvanized tubing. Spiral slide shall provide a full 360° of rotation. Slide transition decks shall be fabricated from punched sheet steel and shall cover a minimum of 0.7 square meters (1,080 square inches) of top surface. This assembly shall be coated per PPLT PVC Specification. Slide enclosures shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. Slide enclosures shall have no gaps greater than 76 mm (3") and less than 254 mm (10"), especially between vertical rungs and posts. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.3 Boingo Drum shall be rotationally molded per PPLT ROTO Specification. Support ring shall be constructed from 19mm (3/4") thick high density polyethylene sheet. Support shall be constructed from 33mm (1.315") O.D. pre-

galvanized steel tubing welded to 7ga. (4.5mm) thick plates and painted per PPLT PAINT Specification.

- 2.3.15.4 CAT WALK shall be manufactured from 3 mm (11 gauge) sheet steel with 3 mm (11 gauge) steel sides and end supports. Cat Walk shall be dipped per PPLT PVC Specification. Cat Walk shall have a dual rail side enclosure. Top and bottom rails shall be fabricated from 33.4 mm (1.315") O.D. pre-galvanized steel tubing with vertical rails welded to the top and bottom rail. Vertical rails shall be fabricated from 25 mm (1") O.D. pre-galvanized steel tubing. After assembly side enclosures and end sections shall be painted per PPLT PAINT Specification.
- 2.3.15.5 CHINNING BARS, TURNING BARS, AND SINGLE RAILS will be designed to be mounted to the post for the ease of installation and shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and shall be painted per PPLT PAINT Specification.
- 2.3.15.6 COLORED KICK PLATE AND DECK TO DECK ACTIVITY PLATES shall be fabricated from 13 gauge (2.3 mm) pre-galvanized sheet steel for the 8", 12", and 16" models and shall have fun faces laser cut into them. The 24", 28", and 32" models shall be fabricated from 11 gauge (3.0 mm) pre-galvanized sheet steel. After fabrication, deck to deck plates shall be painted per PPLT PAINT Specification. 24", 28" and 32" plates shall have grooves cut into them with optional slider "Parachute/shapes" fabricated from CNC Routed high density polyethylene sheet.
- 2.3.15.7 DOUBLE WIDE SLIDES shall be rotationally molded per PPLT ROTO Specification. Plastic double wide slide sides shall be 203 mm (8") high from the slide surface and slide bedway shall be designed with a 406 mm (16") minimum width. Double wide slide shall be a one-piece design with a center divider having no seams, joints or gaps. Slide end support shall be fabricated from 38 mm (1.5") square tubing. Mid support shall be fabricated from 60.3 mm (2.37") tubing. All steel tubing shall be painted per PPLT PAINT Specification.
- 2.3.15.8 HOOPLA BRIDGE shall be rotationally molded per PPLT ROTO Specification. Supports are fabricated from pre-galvanized 60.3 mm (2.375") diameter steel tubing with 11-gauge pre-galvanized sheet steel plates. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.9 Identification label shall be fabricated from aluminum sheet .016" (4 mm) thick and attached with aluminum pop rivets.
- 2.3.15.10 Infinity Web with Rope Climber Freestanding: climbers, pads, pods and waves shall be molded per PPLT ROTO Specification. The Support posts shall be fabricated from 88.9mm (3.5") and 127mm (5") O.D. 11 ga pre-galvanized tubing with 11-gauge pre-galvanized sheet steel tabs. The wave supports shall be fabricated from 48.4 mm (1.9") O.D. 11 ga pre-galvanized tubing with 7-gauge pre-galvanized sheet steel mounting plates. All steel components shall be painted per PPLT PAINT Specification. The rope net shall be fabricated from Nylon braided rope with steel re-enforcement. Each joint shall be rigidly secured. The rope net shall be attached to the frame using stainless steel hardware.

- 2.3.15.11 KID TIMBERSâ„¢ LOOSE FILL BORDER PANELS (black) shall be rotationally molded from 100 percent pre-consumer recycled polyethylene with ultraviolet (UV) light stabilizers and color molded in. Borders shall have three through holes for anchor stakes drilled through the part. The holes for the anchor stakes shall have a recess 16 mm (.614") deep to allow for the head of the stake to be below the top surface. Overall size of the loose fill border panel shall be 127 mm (5") wide x 1956 mm (77.0") long x 304 mm (12") high and 127 mm (5") wide x 737 mm (29.0") long x 304 mm (12") high. Borders shall have a 13 mm (.5") radius on all outer edges and shall assemble in 1.8 m (6') and 610 mm (2â€™™) increments. Anchor stakes shall be 19 mm (.75") in diameter x 762 mm (30") long and shall have a ring shank to aid in keeping the stake from backing out. Anchor stakes shall have a rounded head and a semi-core point and shall be hot dip galvanized after fabrication. Borders shall be black in color and may have a certain amount of color variation due to the blending of the pre-consumer recycled resin.
- 2.3.15.12 OFFSET CLIMBING ENCLOSURE shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing, 3 mm (11 gauge) pre-galvanized sheet steel, and 3/4" X 1" FSO pre-galvanized steel tubing. After fabrication enclosure shall be painted per PPLT PAINT Specification.
- 2.3.15.13 PALM TREE ROOF shall be molded per PPLT ROTO Specification.
- 2.3.15.14 PB ACTIVITY PANEL shall be fabricated from routed 19mm (3/4") high density polyethylene. Deck plates shall be pre-galvanized 3.0mm (.12") 11-gauge sheet steel. Various activities may include cast aluminum bells, fiberglass embedded graphics, sealed bearings, zinc plate steel shafts, and 3.0mm (.12") mirrored polycarbonate. Steel shall be painted per PPLT PAINT specification or dipped per PPLT PVC specification. Hardware used shall be stainless steel and tamper resistant.
- 2.3.15.15 PB Balcony Decks w Handrails: Decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed and welded. This assembly shall be coated per PPLT PVC Specification. Handrails shall be fabricated from 33.4 mm (1.3") and 25.4 mm (1") x 19 mm (3/4") ob-round pre-galvanized steel tubing and 11 ga pre-galvanized sheet steel with laser cut detailing and shall be an all-welded construction. Handrails shall be painted per PPLT PAINT Specification.
- 2.3.15.16 PB DECK TO DECK STEPS WITH SAFETY RAIL shall consist of welded tread, riser and stringer sections fabricated from 13 gauge hot rolled steel. This assembly shall be coated per PPLT PVC Specification. Handrails shall be fabricated from 33 mm (1.315") O.D. pre-galvanized tubing for the top rail, 15-gauge 3/4" X 1" obround pre-galvanized steel for vertical rungs, and 13-gauge pre-galvanized sheet steel for the bottom plate. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Safety Rails shall be painted per PPLT PAINT Specification.
- 2.3.15.17 QUANTUM II SLIDE SECTIONS shall be rotationally molded per PPLT ROTO Specification and bolt together to form a single bed way slide. Slide end support shall be fabricated from 38 mm (1.5") square tubing and 4.5mm (7 gauge) pre-

galvanized sheet steel. Mid support shall be fabricated from 42 mm (1.66") O.D. tubing. All steel components shall be painted per PPLT PAINT Specification.

2.3.15.18 RING CHALLENGE shall consist of a 60 mm (2.375") O.D. pre-galvanized steel beam and shall have ring coils fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. Ring challenge shall be an all-welded construction and shall be painted per PPLT PAINT Specification.

2.3.15.19 SEVEN STATION PLAY FACTORY shall be rotationally molded per PPLT ROTO Specification. Textured patterns, hand matching game, braille, and finger tracing maze shall be molded in. Two CNC Routed from clear Polycarbonate material (Lexan) windows contain a set of gears that shall be CNC Routed from HDPE sheet. The periscope has polished stainless steel mirrors. Talk tube mouth pieces are stainless steel.

2.3.15.20 Shade Builder Pyramid, Sails, Hexagon and Umbrella Integrated into the Playground Product Specifications: ALL STRUCTURES ARE DESIGNED TO MEET THE REQUIREMENTS OF ASCE 7-05 (IBC 2006, IBC 2009, CBC2010) AND ASCE 7-10 (IBC 2012). LIVE LOAD 5 PSF-SNOW LOAD 10 PSF-DESIGN WIND SPEED 90 MPH (3-SEC GUST) EXPOSURE C (FROM ASCE 7-05)-DESIGN WIND SPEED 115 MPH RISK CATEGORY II (FROM ASCE 7-10)All tube shall conform to ASTM A500. Steel plate shall conform to ASTM A572, Fy = 50 KSI. All fabrication and erection of structural steel shall conform to the current edition of AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings". All fabrication and erection of the light gauge pipes shall conform to AISI cold-formed steel specifications. Steel welds shall conform to AWS D.1: Electrodes, Class E70XX, Low Hydrogen. Frames are to be painted per PPLT Paint Specification. Structural Steel Columns are made of 88.9 mm (3.5") O.D. pre-galvanized tubing for PB and are made of 127 mm (5") O.D. pre-galvanized tubing for KB. Structural Steel Rafters are made of 88.9 mm (3.5") O.D. pre-galvanized tubing. Shade Panels: Fabric shade cloth has been specifically developed to produce a very strong and stable outdoor fabric for use in tension structures and shade awnings. This range offers the ultimate combination of maximum sun protection plus the strength and durability to ensure maintenance-free, long-life performance. Mildew and Rot resistant, Heat and hail resistant. Maintains color in all weather conditions. High Density Polyethylene (HDPE), UV stabilized with a monofilament and lockstitch sewing construction producing a fabric that will not tear or fray if cut. Available in Standard and Fire-Retardant Fabric, 6 Colors in Standard Fabric and 7 Colors in Fire Retardant Fabric. Provides shade factors up to 94% and blocks up to 95% of dangerous UV solar radiation for Standard Fabric. Provides shade factors up to 86% and blocks up to 84% of dangerous UV solar radiation for Fire Retardant Fabric. Temperature reduction of up to 30 degrees. It is recommended to remove Shade fabric prior to snowfall. Structural framing may remain in place during winter months.

2.3.15.21 SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.03 square meters (1,596 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.

- 2.3.15.22 STEEL POST shall be 89 mm (3.5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Plastic caps shall be positioned in the top of each post. Posts shall be painted per PPLT PAINT Specification.
- 2.3.15.23 STEEL STORE FRONT shall be fabricated from pre-galvanized, punched 11-gauge sheet steel welded to pre-galvanized 33 mm (1.315") and 25.4 mm (1") steel tubing. Steel Store Front shall consist of two components: a counter and top section, which can be used together to simulate a store or used independently. After fabrication the components shall be painted per PPLT PAINT Specification.
- 2.3.15.24 STEPPING STONES shall be rotationally molded per PPLT ROTO Specification and mounted on 60 mm (2.375") O.D. pre-galvanized support posts painted per PPLT PAINT Specification after fabrication.
- 2.3.15.25 TILTED ROCK CHALLENGE WALL shall be constructed of high-density polyethylene sheets. The hand grips shall be molded from a plastic resin. The steel wall and feet supports are fabricated from pre-galvanized 42.2 mm (1.625") diameter steel tubing welded with 11 gauge pre-galvanized steel brackets. Safety Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts except wall boards and hand grips shall be painted per PPLT PAINT Specification.
- 2.3.15.26 VINYL CLAD HALF DECK shall cover a minimum of .52 square meters (798 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.

**PART 2 – SOUTHSIDE LOWER ES PRODUCTS**

2.1

Part Number	Description
100001231	TIMBER KID TM 1830MM/ 6' BLK
100005100	PB DK/DK PLATE 205MM/8"
100005274	PB SQUARE DECK
100011367	DRAGONFLY, CONTEMPORARY
200059357	LADDER PANEL 610 F/PB W/SAFETY LOOP
200072938	TOOLBOX F/PLAY BUILDERS (MM)
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS
200122443	SLIDE SPIRAL PB 1625/64 (2007)
200125981	PB 2440 CATWALK W/SAFETY RAILS
200200330	SLIDE DBL.WD.PLASTIC48"/1220MM PB (2004
200200433	TRANSFER STATION 1220 MM PB_W/SAFE.RLS.
200200531	KIT MAINTENANCE PB W/O LIST PRICE
200200650	PB TELESCOPE PANEL DKMT
200200681	PB GEAR REACH PANEL
200200732	PB MATCHING GAME PNL
200200867	PB LEANOUT MONKEY PANEL DKMT
200201290	PB PERISCOPE PANEL
200201291	PB CHIN UP PANEL

200202112	PB DECK TO DECK SAGGING CLIMBER 8'
200202129	PB INFNTY HI-CLMB 72"(1830 MM)
200202446	HOOPLA 5 SECTION FREESTANDING
200202616	PB POST W/CAP 3300MM (130")
200202617	PB POST W/CAP 3505MM (138")
200202618	PB POST W/CAP 3710MM (146")
200202619	PB POST W/CAP 3910MM (154")
200202878	PB 72" GRND TO DK INFINITY WING CLIMBER
200203046	PB SHADE 12X12 SAIL STD FAB
200203106	PB 202 POST 3.5" F/SHADE
200203206	PB BOINGO
200203273	PB 64" QUANTUM II SLIDE
200203348	RAINBOW LOOPS FS
200203413	REVOLUTION INCLUSIVE SPINNER
200203461	PB TRAIL CLIMBER 48"
200203546	ZOOMTWIST W/FLOOR
200203638	REACH PANEL PB DISCO PARTY
200305597	14' LARGE CRATE (ASSY DOMESTIC)
787Z	RISK MANAGEMENT SIGN - ENGLISH
925603	LABEL P/C (5 TO 12 YRS) PPLT
925960	THUMB DRIVE 2GB - PPLT
926020	LITTLE TIKES CARD F/THUMB DRIVE
HW7704-1	HRDW PKG F/CLAMP ELIMINATION S1/1
INSTALL	INSTALL BOOK FOR PP ORDERS
BOOK	

**2.3.14 Southside Lower ES Component Specifications:**

- 2.3.15.1 3 WAY PERISCOPE PANEL shall be rotationally molded per PPLT ROTO Specification. The periscope has metalized acrylic mirrors protected by 3 mm (.125") clear polycarbonate. There shall be a molded on graphic game on the deck side.
- 2.3.15.2 360° SPIRAL SLIDE (U.S. Patent #D335,517) WITH HOOD shall be two piece with a seamless bedway, rotationally molded per PPLT ROTO Specification. Slide side rails shall be a minimum of 355 mm (14") high from the slide surface. Center post shall be 89 mm (3.5") pre-galvanized tubing. Spiral slide shall provide a full 360° of rotation. Slide transition decks shall be fabricated from punched sheet steel and shall cover a minimum of 0.7 square meters (1,080 square inches) of top surface. This assembly shall be coated per PPLT PVC Specification. Slide enclosures shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. Slide enclosures shall have no gaps greater than 76 mm (3") and less than 254 mm (10"), especially between vertical rungs and posts. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.3 Boingo Drum shall be rotationally molded per PPLT ROTO Specification. Support ring shall be constructed from 19mm (3/4") thick high density polyethylene sheet. Support shall be constructed from 33mm (1.315") O.D. pre-galvanized steel tubing welded to 7ga. (4.5mm) thick plates and painted per PPLT PAINT Specification.

- 2.3.15.4 CAT WALK shall be manufactured from 3 mm (11 gauge) sheet steel with 3 mm (11 gauge) steel sides and end supports. Cat Walk shall be dipped per PPLT PVC Specification. Cat Walk shall have a dual rail side enclosure. Top and bottom rails shall be fabricated from 33.4 mm (1.315") O.D. pre-galvanized steel tubing with vertical rails welded to the top and bottom rail. Vertical rails shall be fabricated from 25 mm (1") O.D. pre-galvanized steel tubing. After assembly side enclosures and end sections shall be painted per PPLT PAINT Specification.
- 2.3.15.5 CHIN-UP PANEL shall be rotationally molded per PPLT ROTO Specification. The chin-up bar shall be fabricated from 33 mm (1.315") O.D., pre-galvanized steel tube and shall be fully integrated into the panel. The chin-up bar shall be painted per PPLT PAINT Specification. Above the chin-up bar shall be a mirror fabricated from Type 430, 16-gauge, No. 2 bright annealed stainless steel. A window for user and observer to interact shall be above the mirror. The window shall be fabricated from 6 mm (.25") clear Polycarbonate material (Lexan).
- 2.3.15.6 COLORED KICK PLATE AND DECK TO DECK ACTIVITY PLATES shall be fabricated from 13 gauge (2.3 mm) pre-galvanized sheet steel for the 8", 12", and 16" models and shall have fun faces laser cut into them. The 24", 28", and 32" models shall be fabricated from 11 gauge (3.0 mm) pre-galvanized sheet steel. After fabrication, deck to deck plates shall be painted per PPLT PAINT Specification. 24", 28" and 32" plates shall have grooves cut into them with optional slider "Parachute/shapes" fabricated from CNC Routed high density polyethylene sheet.
- 2.3.15.7 CONE SPINNERS shall be made of 127mm(5") OD x 11-gauge, 48.4 mm(1.90") OD x 13-gauge pre-galvanized tubing and 7 gauge and 8 gauge galvanized sheet steel. Weldments shall be painted per PPLT PAINT specification. Bearing covers shall be cast of regular 319 (319.0-F) aluminum. ASTM Specifications: B-26. Federal. Specifications: QQ-A-601. Cone spinner bearing unit shall be 4340 annealed steel and bearing post support fabricated from carbon steel and finished in zinc plating. Cone spinner nets shall be made of 16 mm rope consisting of six galvanized steel cables (2.5 mm O.D. each) twisted together and wrapped with 6mm of high strength polyester fiber with aluminum connectors. Cone spinner plastic panels shall be made from 19 mm (.75") HDPE machined with a non-skid surface.
- 2.3.15.8 DOUBLE WIDE SLIDES shall be rotationally molded per PPLT ROTO Specification. Plastic double wide slide sides shall be 203 mm (8") high from the slide surface and slide bedway shall be designed with a 406 mm (16") minimum width. Double wide slide shall be a one-piece design with a center divider having no seams, joints or gaps. Slide end support shall be fabricated from 38 mm (1.5") square tubing. Mid support shall be fabricated from 60.3 mm (2.37") tubing. All steel tubing shall be painted per PPLT PAINT Specification.
- 2.3.15.9 DRAGONFLY See-Saw wings are to be fabricated from 48.3 mm (1.90") O.D. 11-gauge pre-galvanized tubing with a 33.4 mm (1.3") O.D. cross bar. The seat is to be 16-gauge sheet steel coated per PPLT PVC Specifications. The wings rest on two 3/8" steel plate supports. The Dragonfly Stand is to be fabricated from 88.9 mm (3.5") O.D. pre-galvanized tubing and a 1/2" steel plate for the spring to attach to. The Dragonfly spring shall be a two-way torsion rubber spring. Two 3/8" steel plates provide positive stops for a 38.1 mm (1.5") square

axel bar which the dragonfly rotates about. The wing assembly and stand assembly are to be painted per PPLT PAINT Specifications.

- 2.3.15.10 FREESTANDING HOOPLA shall be rotationally molded per PPLT ROTO Specification. Supports are fabricated from pre-galvanized 60.3 mm (2.375") diameter steel tubing with 11-gauge pre-galvanized sheet steel plates. All Supports shall be painted per PPLT PAINT Specification.
- 2.3.15.11 Identification label shall be fabricated from aluminum sheet .016" (4 mm) thick and attached with aluminum pop rivets.
- 2.3.15.12 LADDER PANEL shall be fabricated from 11-gauge sheet steel. Foot openings shall be 76 mm (3") high x 429 mm (16.875") wide and evenly spaced. Treads shall be 32mm (1.25") deep. The complete ladder assembly shall be coated per PPLT PVC Specification. Available with hand hold loops or safety loops. Safety Loops shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. Hand Hold Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.13 Monkey LeanOut Seat Panel For PB: shall be fabricated from pre-galvanized 33.4 mm (1.315") diameter steel tubing welded with 11-gauge pre-galvanized sheet steel assembled as a one-piece weldment. The Panel shall be painted per PPLT Specification.
- 2.3.15.14 PB ACTIVITY PANEL shall be fabricated from routed 19mm (3/4") high density polyethylene. Deck plates shall be pre-galvanized 3.0mm (.12") 11-gauge sheet steel. Various activities may include cast aluminum bells, fiberglass embedded graphics, sealed bearings, zinc plate steel shafts, and 3.0mm (.12") mirrored polycarbonate. Steel shall be painted per PPLT PAINT specification or dipped per PPLT PVC specification. Hardware used shall be stainless steel and tamper resistant.
- 2.3.15.15 PB GEAR REACH PANEL shall be fabricated from a combination of 33.4 mm (1.312") O.D. pre-galvanized steel tubing and a laser cut plate fabricated from 3.0mm (11 gauge) pre-galvanized sheet steel. Gears, frames, and handles shall be CNC Routed from HDPE sheet. The covers shall be CNC Routed from "Lexan" sheet. Panels shall be painted per PPLT PAINT Specification.
- 2.3.15.16 PB INCLINED CLIMBER AND SAGGY CLIMBERS shall be fabricated from 48.3 mm (1.90") O.D. and 33.4 mm (1.315") pre-galvanized steel tubing. The climber shall be an all-welded construction. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.17 PB INFINITY HI-CLIMB LADDER shall be fabricated out of 42.2 mm (1.66") O.D. pre-galvanized steel tubing and 33 mm (1.315") O.D. pre-galvanized steel tubing. Enclosure shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. After fabrication all parts shall be painted per PPLT PAINT Specification. INFINITY CLIMBER shall be rotationally molded per PPLT ROTO Specification.



- 2.3.15.18 PB Telescope Panels shall be fabricated from a combination of 33.4 mm (1.312") O.D. pre-galvanized steel tubing, 19mm X 25.4mm obround pre-galvanized steel tubing, and laser cut plates fabricated from 3.0mm (11 gauge) pre-galvanized sheet steel. Telescopes shall be molded per PPLT ROTO Specification. Panels shall be painted per PPLT PAINT Specification.
- 2.3.15.19 PB TRAIL CLIMBER shall be made from pre-galvanized 102 x 102 mm (4" x 4") 13 ga steel tubing and shall be welded to plate made from 11 ga pre-galvanized sheet steel. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 ga) pre-galvanized sheet steel. All steel components shall be painted per PPLT PAINT specification. Steps shall be fabricated from CNC routed 25 mm (1") x 140 mm (5.5") durable plastic boards made from a polypropylene and mineral filler blend and HDPE.
- 2.3.15.20 PB WEATHER PANEL shall be fabricated from 33.4 mm (1.312") O.D. and 25.4 mm (1") O.D. pre-galvanized steel tubing. Panel and side plates shall be fabricated from 3 mm (11 gauge) sheet steel. Assembly shall contain a specific weather activity insert assembled from various thickness of compression molded polyethylene and polycarbonate routed with various weather activities. Prior to assembly, panel shall be painted per PPLT PAINT Specification.
- 2.3.15.21 QUANTUM II SLIDE SECTIONS shall be rotationally molded per PPLT ROTO Specification and bolt together to form a single bed way slide. Slide end support shall be fabricated from 38 mm (1.5") square tubing and 4.5mm (7 gauge) pre-galvanized sheet steel. Mid support shall be fabricated from 42 mm (1.66") O.D. tubing. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.22 RAINBOW LOOP CLIMBERS shall be fabricated from 60.3 mm (2.375") and 33.4 mm (1.315"). After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.23 REVOLUTION INCLUSIVE SPINNERS shall consist of an approx. 8' diameter rotational molded body that features many styles of seating and standing locations. The body and central hub shall be rotationally molded per PPLT ROTO Specification. Body shall be pre-assembled with upper and lower ball bearings mounted into laminated sheet, HDPE 3/4" thick, with bottom cover constructed of 11 ga. sheet. Post assembly shall comprise a top friction plate, half bottom friction plate, post weldment, spring, half bottom cover plate and connector stub. Top friction plate, half bottom friction plate and half bottom cover plate shall be constructed of laminated sheet, HDPE, 3/4" thick. Post weldment shall comprise a post bottom, post shaft, bottom post plate and post friction plate. Post bottom shall be constructed of 5" tube, 11 ga., post shaft will be constructed of round, 2-3/4" tube, and bottom post plate and post friction plate shall be constructed of 3/8" black sheet steel. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.24 Shade Builder Pyramid, Sails, Hexagon and Umbrella Integrated into the Playground Product Specifications: ALL STRUCTURES ARE DESIGNED TO MEET THE REQUIREMENTS OF ASCE 7-05 (IBC 2006, IBC 2009, CBC2010) AND ASCE 7-10 (IBC 2012). LIVE LOAD 5 PSF-SNOW LOAD 10 PSF-DESIGN WIND SPEED 90 MPH (3-SEC GUST) EXPOSURE C (FROM ASCE 7-05)-

DESIGN WIND SPEED 115 MPH RISK CATEGORY II (FROM ASCE 7-10) All tube shall conform to ASTM A500. Steel plate shall conform to ASTM A572, Fy = 50 KSI. All fabrication and erection of structural steel shall conform to the current edition of AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings". All fabrication and erection of the light gauge pipes shall conform to AISI cold-formed steel specifications. Steel welds shall conform to AWS D.1: Electrodes, Class E70XX, Low Hydrogen. Frames are to be painted per PPLT Paint Specification. Structural Steel Columns are made of 88.9 mm (3.5") O.D. pre-galvanized tubing for PB and are made of 127 mm (5") O.D. pre-galvanized tubing for KB. Structural Steel Rafters are made of 88.9 mm (3.5") O.D. pre-galvanized tubing. Shade Panels: Fabric shade cloth has been specifically developed to produce a very strong and stable outdoor fabric for use in tension structures and shade awnings. This range offers the ultimate combination of maximum sun protection plus the strength and durability to ensure maintenance-free, long-life performance. Mildew and Rot resistant, Heat and hail resistant. Maintains color in all weather conditions. High Density Polyethylene (HDPE), UV stabilized with a monofilament and lockstitch sewing construction producing a fabric that will not tear or fray if cut. Available in Standard and Fire-Retardant Fabric, 6 Colors in Standard Fabric and 7 Colors in Fire Retardant Fabric. Provides shade factors up to 94% and blocks up to 95% of dangerous UV solar radiation for Standard Fabric. Provides shade factors up to 86% and blocks up to 84% of dangerous UV solar radiation for Fire Retardant Fabric. Temperature reduction of up to 30 degrees. It is recommended to remove Shade fabric prior to snowfall. Structural framing may remain in place during winter months.

2.3.15.25 SQUARE VINYL CLAD METAL DECK shall cover a minimum of 1.03 square meters (1,596 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.

2.3.15.26 STEEL POST shall be 89 mm (3.5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Plastic caps shall be positioned in the top of each post. Posts shall be painted per PPLT PAINT Specification.

2.3.15.27 TRANSFER STATION WITH SAFETY RAIL shall consist of two triangular decks and step assemblies for the handrails. Each triangular deck shall be fabricated from 13-gauge sheet steel, covering .37 square meters (575 square inches) and have three 25 x 152 mm (1" x 6") hand slots incorporated into the deck surface for aid in user transition. The step assemblies provide access from the transfer decks to a 915 mm (36"), 1016 mm (40"), 1220 mm (48"), 1422 mm (56"), 1625 mm (64") deck height. Each step shall have a tread depth of 406 mm (16") and a tread width of 953 mm (37.5"), with each rise 203 mm (8") or less. Each step assembly shall have an all-welded construction from 13-gauge sheet steel. Each step assembly and Transfer Deck shall be coated per PPLT PVC Specification. Transfer Station handrails shall be fabricated from 33 mm (1.315") O.D. pre-galvanized, 14-gauge tubing and 3/4" X 1" FSO pre-galvanized tubing. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Transfer Station loops shall be fabricated from 42.2 mm (1.66")

O.D., pre-galvanized, 13-gauge tubing. All welded handrail assemblies shall be painted per PPLT PAINT Specification.

2.3.15.28 WINGS of INFINITY CLIMBER: Handholds and blanks shall be rotationally molded per PPLT ROTO Specification. The Support post shall be fabricated from 88.9mm (3.5") O.D. 11 ga. and 42.2mm (1.625") O.D. pre-galvanized tubing. The support post shall be painted per PPLT PAINT Specification.

**PART 2 – SOUTHSIDE UPPER ELEMENTARY PRODUCTS**

2.1

Part Number	Description
100001231	TIMBER KID TM 1830MM/ 6' BLK
100005100	PB DK/DK PLATE 205MM/8"
100005640	PB TRIANGLE DECK
200059359	LADDER PANEL 813 F/PB W/SAFETY LOOP
200072938	TOOLBOX F/PLAY BUILDERS (MM)
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS
200200531	KIT MAINTENANCE PB W/O LIST PRICE
200200620	VERSA-CLIMB TM 7 SECTION
200200630	INFINITY WEB W/ ROPE FREESTANDING
200200661	PB STEPS DK/DK-LRG HOLE1016mm W/RAILS
200200753	PB INFINITY FLEX GROUND TO DECK SGL
200200767	PB TRANSFER STATION (2006)
200201049	PB BALCONY DECK W/ TELESCOPE RAIL
200202438	PB VERTICAL POD CLIMBER 48"
200202614	PB POST W/CAP 2895MM (114")
200202616	PB POST W/CAP 3300MM (130")
200202617	PB POST W/CAP 3505MM (138")
200202619	PB POST W/CAP 3910MM (154")
200202621	PB POST W/CAP 4320MM (170")
200202852	PB 12' FUNWHEEL
200202879	PB CLIMBER BUMPY 1016MM DECK
200202925	PB 96" HYPERSONIC SLIDE
200202993	PB HEX DECK
200203068	PB TILTED ROCK CHALLENGE WALL 96"
200203109	PB 226 POST 3.5" F/SHADE
200203133	PB SHADE 17' HEX STD FAB
200203153	PB QUANTUM II SLIDE 8' SPIRAL RIGHT
200203188	PB THERAPEUTIC RINGS
200203436	PB ALEX'S LEMONADE STAND PANEL
200203455	CULVERT CLIMBER SMALL FS
200203456	CULVERT CLIMBER MEDIUM FS
200203647	PANEL REACH SILLY FACE F/PB
200203650	PANEL REACH SIMON SAYS F/PB
200203686	PB STAX SUMMIT CLIMBER

**2.3.14 Southside Upper Elementary Component Specifications:**

2.3.15.1 COLORED KICK PLATE AND DECK TO DECK ACTIVITY PLATES shall be fabricated from 13 gauge (2.3 mm) pre-galvanized sheet steel for the 8", 12", and 16" models and shall have fun faces laser cut into them. The 24", 28", and 32" models shall be fabricated from 11 gauge (3.0 mm) pre-galvanized sheet steel.

After fabrication, deck to deck plates shall be painted per PPLT PAINT Specification. 24", 28" and 32" plates shall have grooves cut into them with optional slider "Parachute/shapes" fabricated from CNC Routed high density polyethylene sheet.

- 2.3.15.2 CULVERT CLIMBER pods shall be made from pre-galvanized 305 mm (12") 14ga corrugated metal pipe and shall be welded to plates made from 7 ga and 11 ga pre-galvanized sheet steel. The top of the pods shall be covered with CNC routed HPDE. All steel components shall be painted per PPLT PAINT specification.
- 2.3.15.3 FUN WHEEL - 3.7 m (12'6") shall have triangular loops welded to a center support beam fabricated from 73 mm (2.875") O.D. pre-galvanized steel tubing. Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. Three (3) spinning wheels shall be attached with 32 mm (1.25") diameter stainless steel hex bolts, each positioned between two bearings. The wheels are fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 38.1 mm (1.5") O.D. steel tubing. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.4 HEX VINYL CLAD METAL DECK shall cover a minimum of 2.6 square meters (4,150 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.
- 2.3.15.5 HYPERSONIC SLIDE shall be rotationally molded per PPLT ROTO Specification. Plastic slide bed way shall be designed with a 406 mm (16") minimum width. Slide end and mid support shall be fabricated from 60.3 mm (2.37") O.D. tubing and 4.55mm (7 gauge) pre-galvanized sheet steel. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.6 Identification label shall be fabricated from aluminum sheet .016" (4 mm) thick and attached with aluminum pop rivets.
- 2.3.15.7 Infinity Flex Ground to Deck For KB/PB: climbers/pads shall be molded per PPLT ROTO Specification. Footing supports are fabricated from pre-galvanized 42.2 mm (1.660") diameter steel tubing welded with 11-gauge pre-galvanized sheet steel. The center post shall be fabricated from 88.9mm (3.5") O.D. 11 ga pre-galvanized steel tubing with 11-gauge pre-galvanized sheet steel tabs. The supports and center post shall be painted per PPLT PAINT Specification.
- 2.3.15.8 Infinity Web with Rope Climber Freestanding: climbers, pads, pods and waves shall be molded per PPLT ROTO Specification. The Support posts shall be fabricated from 88.9mm (3.5") and 127mm (5") O.D. 11 ga pre-galvanized tubing with 11-gauge pre-galvanized sheet steel tabs. The wave supports shall be fabricated from 48.4 mm (1.9") O.D. 11 ga pre-galvanized tubing with 7-gauge pre-galvanized sheet steel mounting plates. All steel components shall be painted per PPLT PAINT Specification. The rope net shall be fabricated from Nylon braided rope with steel re-enforcement. Each joint shall be rigidly secured. The rope net shall be attached to the frame using stainless steel hardware.

- 2.3.15.9 LADDER PANEL shall be fabricated from 11-gauge sheet steel. Foot openings shall be 76 mm (3") high x 429 mm (16.875") wide and evenly spaced. Treads shall be 32mm (1.25") deep. The complete ladder assembly shall be coated per PPLT PVC Specification. Available with hand hold loops or safety loops. Safety Loops shall be fabricated from 33 mm (1.315") O.D. and 3/4" X 1" FSO pre-galvanized steel tubing. Hand Hold Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing. After fabrication all parts shall be painted per PPLT PAINT Specification.
- 2.3.15.10 PB ACTIVITY PANEL shall be fabricated from routed 19mm (3/4") high density polyethylene. Deck plates shall be pre-galvanized 3.0mm (.12") 11-gauge sheet steel. Various activities may include cast aluminum bells, fiberglass embedded graphics, sealed bearings, zinc plate steel shafts, and 3.0mm (.12") mirrored polycarbonate. Steel shall be painted per PPLT PAINT specification or dipped per PPLT PVC specification. Hardware used shall be stainless steel and tamper resistant.
- 2.3.15.11 PB Balcony Decks w Handrails: Decks shall be fabricated from 11 gauge hot rolled steel which shall be punched, formed and welded. This assembly shall be coated per PPLT PVC Specification. Handrails shall be fabricated from 33.4 mm (1.3") and 25.4 mm (1") x 19 mm (3/4") ob-round pre-galvanized steel tubing and 11 ga pre-galvanized sheet steel with laser cut detailing and shall be an all-welded construction. Handrails shall be painted per PPLT PAINT Specification.
- 2.3.15.12 PB DECK TO DECK STEPS WITH SAFETY RAIL shall consist of welded tread, riser and stringer sections fabricated from 13 gauge hot rolled steel. This assembly shall be coated per PPLT PVC Specification. Handrails shall be fabricated from 33 mm (1.315") O.D. pre-galvanized tubing for the top rail, 15-gauge 3/4" X 1" obround pre-galvanized steel for vertical rungs, and 13 gauge pre-galvanized sheet steel for the bottom plate. Safety rails shall provide an enclosure and shall have no gaps greater than 80 mm (3.15") and less than 254 mm (10"), especially between vertical rungs and posts. Safety Rails shall be painted per PPLT PAINT Specification.
- 2.3.15.13 QUANTUM II SPIRAL SLIDE SECTIONS shall be rotationally molded per PPLT ROTO Specification and bolt together to form a single bed way slide. Slide end support shall be fabricated from 38 mm (1.5") square tubing and 4.5mm (7 gauge) pre-galvanized sheet steel. Vinyl deck shall be fabricated from punched 11 gauge hot rolled sheet steel and be a one piece all welded assembly coated per PPLT PVC Specification. Handrails to be fabricated from 13 ga 33 mm (1.315") OD pre-galvanized tubing, vertical rungs shall be fabricated from 1" X 3/4" FSO pre-galvanized steel tubing, and steel plates from 11-gauge pre-galvanized sheet. Mid support shall be fabricated from 42 mm (1.66") O.D. tubing. All steel components shall be painted per PPLT PAINT Specification.
- 2.3.15.14 Rotationally Molded Plastic Parts are made to the PPLT ROTO Specification Ring clamp castings constructed from cast 535 Aluminum Topper castings constructed from cast 319 Aluminum Post weldments shall be made of 60.3 mm (2-3/8") OD x 12 ga tube, 4.5 sheet steel, and cold rolled steel threaded inserts. Handel weldment shall be made of 60.3 mm (2-3/8") OD x 12 ga and 33.4mm (1.3") OD x 11ga tube All metal part will be painted to PPLT PAINT Specification All hardware shall be stainless steel.

- 2.3.15.15 Shade Builder Pyramid, Sails, Hexagon and Umbrella Integrated into the Playground Product Specifications: ALL STRUCTURES ARE DESIGNED TO MEET THE REQUIREMENTS OF ASCE 7-05 (IBC 2006, IBC 2009, CBC2010) AND ASCE 7-10 (IBC 2012). LIVE LOAD 5 PSF-SNOW LOAD 10 PSF-DESIGN WIND SPEED 90 MPH (3-SEC GUST) EXPOSURE C (FROM ASCE 7-05)-DESIGN WIND SPEED 115 MPH RISK CATEGORY II (FROM ASCE 7-10)All tube shall conform to ASTM A500. Steel plate shall conform to ASTM A572, Fy = 50 KSI. All fabrication and erection of structural steel shall conform to the current edition of AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings". All fabrication and erection of the light gauge pipes shall conform to AISI cold-formed steel specifications. Steel welds shall conform to AWS D.1: Electrodes, Class E70XX, Low Hydrogen. Frames are to be painted per PPLT Paint Specification. Structural Steel Columns are made of 88.9 mm (3.5") O.D. pre-galvanized tubing for PB and are made of 127 mm (5") O.D. pre-galvanized tubing for KB. Structural Steel Rafters are made of 88.9 mm (3.5") O.D. pre-galvanized tubing. Shade Panels: Fabric shade cloth has been specifically developed to produce a very strong and stable outdoor fabric for use in tension structures and shade awnings. This range offers the ultimate combination of maximum sun protection plus the strength and durability to ensure maintenance-free, long-life performance. Mildew and Rot resistant, Heat and hail resistant. Maintains color in all weather conditions. High Density Polyethylene (HDPE), UV stabilized with a monofilament and lockstitch sewing construction producing a fabric that will not tear or fray if cut. Available in Standard and Fire-Retardant Fabric, 6 Colors in Standard Fabric and 7 Colors in Fire Retardant Fabric. Provides shade factors up to 94% and blocks up to 95% of dangerous UV solar radiation for Standard Fabric. Provides shade factors up to 86% and blocks up to 84% of dangerous UV solar radiation for Fire Retardant Fabric. Temperature reduction of up to 30 degrees. It is recommended to remove Shade fabric prior to snowfall. Structural framing may remain in place during winter months.
- 2.3.15.16 STEEL POST shall be 89 mm (3.5") O.D., 11-gauge pre-galvanized round tubing. Minimum tensile strength shall be 380MPa (55,000 psi). Minimum yield point shall be 345MPa (50,000 psi). Plastic caps shall be positioned in the top of each post. Posts shall be painted per PPLT PAINT Specification.
- 2.3.15.17 THERAPEUTIC RING beam shall be fabricated from 60.3 mm (2.38") O.D. pre-galvanized steel tube and painted per PPLT PAINT Specification. Ring handles shall be cast in alloy 319 aluminum of the Aluminum-Zinc-Magnesium type and comply to ASTM SC64d, UNS-AO3191, QQA-371e, and QQA-596d standards.
- 2.3.15.18 TILTED ROCK CHALLENGE WALL shall be constructed of high-density polyethylene sheets. The hand grips shall be molded from a plastic resin. The steel wall and feet supports are fabricated from pre-galvanized 42.2 mm (1.625") diameter steel tubing welded with 11 gauge pre-galvanized steel brackets. Safety Loops shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all parts except wall boards and hand grips shall be painted per PPLT PAINT Specification.

- 2.3.15.19 Versa-Climb TM shall be molded per PPLT ROTO Specification. The hand grips shall be molded from a plastic resin. The steel supports are fabricated from pre-galvanized 88.9 mm (3.5") diameter steel tubing. The steel end caps are fabricated from 11gauge sheet steel, and shall be painted per PPLT PAINT Specification.
- 2.3.15.20 VERTICAL POD CLIMBERS shall be fabricated from 42.2 mm (1.66") x 11-gauge pre-galvanized steel tubing. Plates shall be fabricated from 3 mm (.12") sheet steel. Pods shall be fabricated from E.P.D.M. 50 duro rubber with a steel insert molded inside. Enclosures shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing and 3 mm (11 gauge) pre-galvanized sheet steel. After fabrication all steel parts shall be painted per PPLT PAINT Specification.
- 2.3.15.21 VINYL CLAD BUMPY CLIMBER shall be a one piece all welded assembly coated per PPLT PVC Specification. The Bumpy Climber assembly shall be fabricated from punched 11 gauge hot rolled sheet steel. The climbing surface of the assembly shall have approximately an 86 mm (3.3") radius on each step, and a 203 mm (8") rise between steps on a 45-degree angle. The Bumpy Climber assembly shall attach to the deck edge with stainless steel hardware and shall be supported by 33 mm (1.315") O.D. x 14-gauge pre-galvanized posts at the bottom riser. Hand supports shall be fabricated from 33 mm (1.315") pre-galvanized steel tubing. Enclosure shall be fabricated from 33 mm (1.315") O.D. pre-galvanized steel tubing, 3 mm (11 gauge) pre-galvanized sheet steel and 4.5 mm (7 gauge) sheet steel. Hand supports and enclosures shall be painted per PPLT PAINT Specification.
- 2.3.15.22 VINYL CLAD TRIANGLE DECK shall cover a minimum of .45 square meters (680 square inches) of top surface area. Metal decks shall be fabricated from punched and formed 11 gauge hot rolled sheet steel. This assembly shall be coated per PPLT PVC Specification.

END OF SECTION 116813



# WARRANTY

Little Tikes Commercial Brand warrants its products against structural failure due to defects in materials and workmanship for the warranty periods and material categories prescribed below.

Buyer agrees that products sold by PPLT Farmington, Inc. (PlayPower Little Tikes Commercial) carry only the following warranties:

- LIMITED WARRANTY FOR AS LONG AS YOU OWN THE PRODUCT:** Aluminum deck posts, steel deck posts, stainless steel hardware and KidBuilder® steel clamps.
- LIMITED FIFTEEN (15) YEAR WARRANTY:** All rigid steel playground components, decks, steps, and weldments, rotationally molded and sheet plastic components, plastic lumber, roof panels, and stainless steel slides, except as otherwise specified below.
- LIMITED TEN (10) YEAR WARRANTY:** Fabric shade steel frames, Naturtek™ products, and Shadesure™ fabrics (Note Exception: Limited Five (5) Year Warranty on Shadesure™ fabrics in colors Red, Yellow, Electric Purple, Zesty Lime, Cinnamon, and Olive.)
- LIMITED EIGHT (8) YEAR WARRANTY:**
  - Fiberglass signage, accessible swing seats, precast PolyFiberCrete or precast concrete products.
  - LandSoft Synthetic Turf safety surfacing against deterioration of specified attenuation performance and appearance.
  - Shade fabric and components against rot, UV deterioration and defects in materials and workmanship (Note Exception: Limited Three (3) Year Warranty for fabric in shades of red).
- LIMITED FIVE (5) YEAR WARRANTY:**
  - Clever Climbers™ products, including, but not limited to polyethylene slides, enclosures, main structure, decks, and plastic components.
  - PVC coating against cracking or peeling.
  - Park and Site Amenities (i.e. benches, tables, trash receptacles, etc.).
  - Steel core cable nets and rope fittings and connections (Note Exception: Warranty does not cover normal wear and tear such as fraying or facing of cable coating).
- LIMITED THREE (3) YEAR WARRANTY:** KidTiles®, Playground Sculptures, KidRiders® products (excluding spring assemblies), flexible belting, plastic border timbers and accessories, and electronic panel speakers, sound chips, and circuit boards.
- LIMITED ONE (1) YEAR WARRANTY:**
  - GFRP (Glass Fiber Reinforced Polymer) Products. Learning Lab Sensory Tables, and Tot Tree plastic components.
  - Belt Swing Seats, and Bucket Tot Swing Seats.
  - All other products and components that are not specifically listed above, including, without limitation, all moving parts, such as swing hangers and bearings, swivels, chains, whirls, springs and flexible components, and all high wear items, such as trolleys, cables, wheels, and bumper stops related to rail and cable ride products.

**BUYER'S REMEDY:** If any products prove defective or non-conforming under normal use and within the above-prescribed warranty periods and material categories, Buyer must promptly notify Little Tikes Commercial in writing at 878 E. Hwy 60, Monett, MO 65708 USA. Little Tikes Commercial may elect to inspect the alleged defect at Buyer's site or at Little Tikes Commercial's facility. Buyer shall not return products to Little Tikes Commercial unless authorized by Little Tikes Commercial to do so. Authorized returns must be properly packaged and shipped prepaid and insured, at Buyer's expense. Upon verification of warranty coverage, Little Tikes Commercial may elect, in its sole discretion, to repair defective or non-conforming products, or replace them by delivering products or part(s) free of charge to the site. Little Tikes Commercial'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). By use of these limited warranties, Buyer accepts their terms and limitations, and waives any rights it would otherwise have to claim or assert that such warranties fail of their 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.

**LIMITATIONS:** All warranty periods begin on the date of Little Tikes Commercial's invoice. Repaired and/or replacement part(s) are warranted only for the balance of the original limited warranty period. Warranties extend only to the original Buyer/end user for products purchased from Little Tikes Commercial or a Little Tikes Commercial authorized reseller and are not transferrable.

Warranties apply only to Little Tikes Commercial products that are erected and installed in conformance with Little Tikes Commercial's installation instructions, and that are maintained and inspected in conformance with Little Tikes Commercial maintenance and operational instructions.

Warranties specifically do not cover Little Tikes Commercial products:

- for cosmetic damage or flaws occurring under normal use, such as surface scratches, minor chips, hairline cracks, dents, marring, efflorescence, color fade (except for shade fabric as noted above), discoloration, corrosion, fraying, or warping of recycled plastic lumber;
- that have been modified, altered, or repaired by unauthorized third parties;
- that have not been used as designed or intended, or misused;
- to which non-Little Tikes Commercial parts have been added or substituted;
- that have been removed from their original location and re-installed elsewhere, without pre-approval by Little Tikes Commercial;
- or that have been damaged due to excessive wear and tear, vandalism, abnormal use, abuse, negligence, environmental factors (such as wind-blown sand, salt spray, or airborne emissions from industrial sources), extreme weather (such as hail, flooding, lightning, tornados, sandstorms, earthquakes, or wind storms), and acts of God.

**THE FOREGOING LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY FOR SELLER'S PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN LAW OR IN FACT. SELLER SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE, AND ANY IMPLIED WARRANTIES ARISING OUT OF COURSE OF DEALING OR PERFORMANCE OR TRADE USAGE. SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, SPECIAL, OR PUNITIVE DAMAGES, OR ANY LOSS OF REVENUE, PROFIT OR USE, ARISING OUT OF A BREACH OF THIS WARRANTY OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, OPERATION OR REPAIR OF ANY PRODUCT. IN NO EVENT WILL SELLER BE LIABLE FOR ANY AMOUNT GREATER THAN THE PURCHASE PRICE OF A DEFECTIVE PRODUCT.**



SPECIFICATION- System 1  
PLAYGROUND SURFACING

## SECTION 32 18 16.13

**D. Manufacturer:**

1. Main office: Zeager Bros., Inc., 4000 East Harrisburg Pike, Middletown, PA 17057.
2. Toll Free (800) 346-8524
3. KY office: 1-800-296-9227 . / WY office : 307-220-3972

## Products

1. Engineered Wood Fiber Playground Surfacing: WoodCarpet®
  - a. Composition: WoodCarpet contains 100% pre-consumer recovered wood.
    - b. Dimensions: Randomly sized wood fibers.
    - c. Sieve Analysis, ASTM F2075: Meets criteria.
    - d. Hazardous metal, ASTM F2075: Meets criteria.
    - e. Tramp metal, ASTM F2075: Meets criteria.
    - f. Impact, ASTM F1292: 8 inches meets criteria up to 8 ft. fall height and 12 inches meets criteria up to 12 ft. fall height.
    - g. Accessibility, ASTM F1951-14: Meets criteria.
    - h. Resistance to Flammability, 16 FR Part 1630 Standard for Surface. Flammability of Carpets and Rugs (FFI-70), Modified Procedure. Not Oven Dried: Meets Criteria.
    - i. Flammability, 16 CFR 1500.44, Federal Hazardous Substances Act Title 16, Chapter II, Subchapter C for Rigid and Pliable Solids: Did not ignite.
    - j. IPEMA Certification: 12"/12ft. Fall protection. F1292. Tramp metals, Sieve analysis, Heavy Metals. F2075.



## Conditional Limited Warranty

Zeager warrants its products to be free from defect in materials and workmanship when received by Zeager's customer.

Zeager further warrants its WoodCarpet® installed over approved drainage system per gravel drainage option, during normal use, to meet ASTM F1292 at an 8 foot fall height when using and maintaining an 8 inch layer of WoodCarpet® or at a 12 foot fall height when using and maintaining a 12 inch layer of WoodCarpet®, for a period of 15 years from the date of the Zeager invoice. Using drainage & wear mats as specified by Zeager is required for warranty coverage. See installation specification & maintenance recommendations at <http://www.zeager.com/products/recreation/woodcarpet-system-1/>.

Zeager further warrants its WoodCarpet® installed over Zeager's resilient foam drainage pad-(formerly Duradrain®), during normal use, to meet ASTM F1292 at a 12 foot fall height when using and maintaining a 10 inch layer of WoodCarpet®, for a period of 20 years from the date of the Zeager invoice. Using drainage & wear mats as specified by Zeager is required for warranty coverage. See installation specification & maintenance recommendations at: <http://www.zeager.com/products/recreation/woodcarpet-system-11/>.

Zeager further warrants its TuffMat® wear mats, during normal use that wear due to ordinary abrasion from pedestrian traffic will not penetrate completely through the wear course of the mat for a prorated period of 5 years from the date of the Zeager invoice. ZeroFill™ mats require a functioning drainage system for warranty. See installation & maintenance recommendations at: <http://www.zeager.com/products/recreation/woodcarpet-mats/>.

Zeager further warrants its WoodCarpet® Bonded 1 trail surface & playground perimeter pathway during normal use, from cracks for a period of 1 year from date of Zeager invoice. Certified installation, clear coating as specified and approved sub-base by Zeager is required for warranty coverage. See info at: <http://www.zeager.com/products/recreation/bonded-woodcarpet-trails/>.

Zeager further warrants its RecBase® synthetic grass, during normal use, to meet ASTM F1292 at a 4 foot fall height when using a 1 inch layer of RecBase® and a 3 inch layer of gravel underneath, at a 6 foot fall height when using a 2 inch layer of RecBase® and a 3 inch layer of gravel underneath, and at an 8 foot fall height when using a 1 inch and a 2 inch layer of RecBase® and a 3 inch layer of gravel underneath, for a period of 5 years from the date of the Zeager invoice. Zeager further warrants its HP, LP, General Purpose & Dog Park, & Color Blend synthetic grass for 8 years to have maintained its UV stability and tensile strength if the original tensile strength and pile height of the Product does not decrease by more than fifty percent as a result of ultraviolet degradation within the applicable warranty period. This is a prorated warranty & does not cover damage caused by failure in high use areas such as swings, slide exits or spinner toys, continued exposure to reflective light from windows and other objects, the use of improper cleaning agents, the exposure to chemicals containing elements from the halogen group (such as chlorine, fluorine, bromine or iodine), herbicides, pesticides or other inappropriate chemicals. Chemical exposure can also result from run-offs from neighboring properties. Certified installation & using resilient foam pad as specified by Zeager is required for warranty coverage. Zeager testing services is required with all installations for warranty coverage. See more info at: <http://www.zeager.com/products/recreation/recgrass/>.

Zeager further warrants its RecBase® Indoor Carpet, during normal use, to meet ASTM F1292 at a 2 feet fall height when using .75 inch layer of RecBase® resilient foam pad over hard surface for 3 years from the date of the Zeager invoice. Zeager further warrants the carpet for a prorated period of 3 years to be free from defects from the date of Zeager invoice. Defects are a loss of more than fifty percent of pile. See info at: <https://www.zeager.com/products/recreation/recbaseindoorcarpet/>.

This warranty is valid only if the product(s) are installed and maintained in accordance with Zeager's written specifications and government guidelines using approved materials; has been subjected to normal use for the purpose for which the goods were designed; has not been subject to burns, cuts, vandalism, abuse, misuse, negligence, neglect, acts of God or accident; has not been subjected to addition or substitution of material; and has not been modified, altered, or repaired by persons other than Zeager or its designees in any respect which, in the judgment of Zeager, affects the condition or performance of the product. This warranty does not cover scratches, fading, weathering, biological degradation or normal wear and tear. WoodCarpet® Bonded 1 & 2, and RecBase® synthetic grass & indoor carpet used primarily to cover high traffic areas are not covered by this warranty.

Should any failure to conform to this express warranty occur, Zeager shall, upon written notification of the defect, correct such nonconformity, either by repairing the defective product, supplying replacement product, or by refunding the purchase price by issuing a credit to the customer's account, at Zeager's election and within 60 days of the written notification. This shall be the purchaser's sole remedy and Zeager will not be responsible for any consequential damage attributed to the defective product. If Zeager elects to supply replacement product, Zeager shall deliver the replacement product to the site free of charge, but will not be responsible for providing labor or the cost of the removal of the defective product and the installation of any replacement product. If Zeager elects to supply replacement product for its TuffMat® wear mat or RecBase® synthetic grass, Zeager shall deliver the replacement product to the site, but the customer will be responsible to pay all shipping and handling charges as well as the prorated price of the replacement product, and Zeager will not be responsible for providing labor or the cost of the removal of the defective product and the installation of any replacement product. If Zeager elects to refund the purchase price of its foam TuffMat® wear mat or RecBase® synthetic grass, Zeager will refund the prorated purchase price as a credit to the customer's account. In the event of repair or replacement under this warranty, the warranty applicable to the replacement material, repaired product, or replacement product will extend only for the time remaining under the original warranty.

This warranty is exclusive and is in lieu of all other warranties, whether express or implied, including by not limited to any warranty of merchantability or fitness for a particular purpose. There are no warranties, which extend beyond this warranty. Further, no representation, oral or written, of any Zeager representative may be substituted for the aforescribed exclusive limited warranty. To the extent permitted by law, Zeager shall not be liable for any direct, indirect, special, incidental, or consequential damages, which are expressly excluded from this sale. To make claims under the terms of this warranty, the buyer's written statement of claim, along with a copy of the invoice, and supporting photographs and samples, must be sent to Zeager Bros., Inc. 4000 East Harrisburg Pike, Middletown, PA 17057-4697 USA. Supporting documentation must be provided to Zeager Bros., Inc. within 10 days of receipt of product or within 10 days of the product's failure.

### Terms and Conditions

**Prices:** Subject to change without notice.

**Funds:** All communications and transactions are in U.S. funds unless otherwise noted.

**Split loads:** Each truck will unload at only one location. Some trucks can unload at more than one location if this request is made at the time the order is placed with Zeager. Zeager will charge a split drop fee for each additional drop.

**Settling:** WoodCarpet® volume is measured when the truck is loaded. Settling will occur during shipping.

**Shipping:** Zeager is not responsible for loss or damage in transit when shipped via a common carrier or when shipped via a trucker that Zeager did not contract. When a Zeager contracted trucker is used, Zeager's responsibility ends when the shipping ticket is signed by the person receiving the shipment. It is the customer's responsibility to check quantity. Any shortages, damages, or defects should be noted on the shipping ticket before it is signed. Zeager and its contracted truckers are not responsible for any damages, losses, etc., that may occur if our trucks leave a hard surface to unload. It is not Zeager's responsibility to provide a suitable location for the truck to unload.

**Returns:** Returns are subject to outbound and return shipping and handling charges, along with payment for used or damaged goods.

**Cancellations:** Cancellations less than 24 hours before delivery are subject to shipping and handling charges.

**RUBBER MULCH**

Format: Nugget

99.9% steel free per TN weight

Nugget size: mix of 5/8" to 1", sizes are approximate and average. Larger and smaller pieces may be present

Doesn't absorb water so will not freeze

Made of recycled vehicle tire

Colors: brown, red, black, blue, green, unpainted

Painted with an exterior grade non-toxic, non-staining, water based colorant

Applications: playground, landscaping, training courses, equestrian, and more

Complies with ASTM F1292, ASTM F3012, ASTM 1951 and IPEMA criteria

Packaging: 50 bags/pallet or supersacks (1 ton)

Made in the USA



## **Rubber Mulch Limited Warranty**

This limited warranty is non-transferable and shall apply only to the original purchaser of this Product ("Purchaser"), who purchases the rubber mulch ("Product") for personal or business use and purchased through an authorized retailer and/or vendor. Limited warranty covers (i) product defects in the rubber mulch, (ii) warrants that the playground rubber mulch is 99.9% wire free as measured by volume, (iii) and that it will maintain a minimum opacity of 40% of its color coating for a period of 12 years from the original date of purchase. Any alteration of the product or use other than specified will void the warranty. Buyer must report any warranted defect to seller in writing within 5 days of discovery, but no later than 15 days from the date of receipt of goods and permit the seller to inspect the defective goods. All claims must include original receipt and an explanation. Buyer's sole remedy for any such defect, upon verification by the manufacturer, is the repair or replacement of the goods or credit against future purchases, at manufacturer's sole option related to the non-conforming portion of the product that meets the warranty criteria. This warranty does not include damage due to abuse, accident, misuse, modification, improper use, or discoloration caused by the Product's exposure to chemicals, bleaches or other similar cleaning agents, pesticides or fertilizers. This warranty is limited to the purchase price of the product and does not include any incidental/consequential damages, installation, removal or shipping charges. In no event are we liable for consequential, indirect or other similar damages including without limitation any loss sales, profit or revenue. Any replacement Product furnished by Manufacturer in fulfillment of this Limited Warranty is warranted only for the unexpired portion of the original warranty. Purchaser acknowledges that there may be a color variance between the original Product and any replacement Product, as a result of normal weathering of the original Product, and is not considered a material defect. Fading and decolorization of rubber and fibers is not considered a material defect and is part of normal wear and tear and acceptable. Direct exposure to sunlight, use of chemicals like fertilizers and pesticides, and other environmental factors can expedite the wear of color. Due to the manufacturing process, it's possible that some rubber mulch of other colors may be present in your order and is not considered a defect, material or otherwise. Failure to maintain appropriate depth as needed based on the highest potential fall height may void warranty relating to wear and tear and other performance issues.

DISCLAIMER OF IMPLIED WARRANTIES/limitation OF REMEDIES: THE CUSTOMER AND PURCHASER OF THIS PRODUCT AGREES THAT THE EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT SHALL BE RESTRICTED TO THE LIMITED WARRANTY. THE MANUFACTURER HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES RELATING TO THE PRODUCT, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY EXCLUDE TO THE FULLEST EXTENT ALLOWED BY LAW. NO WARRANTIES WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED.