SPECIFICATIONS FOR BCI BURKE PLAY STRUCTURES

SECTION 11 68 00
Play Field Equipment and Structures

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.

PART 1 GENERAL

1.01 Section Includes

A. Installation of a playground structure model [_____] as shown on the plans and herein specified.

1.02 Related Sections

A. 31 10 00 – Site Preparation.

B. 31 00 00 - Earthwork.

C. 32 18 00 – Athletic and Recreational Surfacing.

1.03 Quality Assurance

A. Installer Qualifications - An experienced installer familiar with local building codes and with the latest safety guidelines, who has completed installation of playground structures similar in material, design, and extent to that indicated for this project, and whose work has resulted in construction with a record of successful in-service performance.

B. Acceptable Manufacturers - Provide play structure/components as manufactured by BCI Burke Company, LLC, P.O. Box 549, 600 Van Dyne Road, Fond du Lac, Wisconsin 54936-0549, Tel: (920) 921-9220, Fax: (920) 921-9566, Toll Free: 1-800-266-1250, www.bciburke.com.

C. Product Options - Drawing indicates size, components and dimensional requirements of playground structure and is based on the specific system indicated.

1.04 Submittals

A. Product Data: Include physical characteristics such as materials, dimensions and finish.

B. Shop Drawings: Show assembly and installation details.

C. Samples for Verification: Color selections for [upright posts], [steel accessories], [freestanding panels & signs], [swings], [Kid Koasters™], [plastic components], [other].

D. Warranty: Include manufacturer's standard warranty.

1.05 References

A. ASTM F1487 Standard Consumer Safety Performance Specification for Playground Equipment for Public use CAN/CSA-Z614 Children's Playspaces and Equipment.

B. ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.

C. U.S. Consumer Products Safety Commission Handbook for Public Playground Safety.

D. Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Play Areas, amended November 20, 2000.

1.06 Delivery, Storage and Handling

A. Inspect all components on delivery to ensure that no damage occurred during shipping or handling. Materials shall be stored in original undamaged packaging in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism, and theft until ready for installation. Inspect components prior to installation.

PART 2 MATERIALS

2.01 General product material specifications

A. Clamps

1. KoreKonnect ™ clamp castings [Nucleus, Synergy, Voltage] shall be cast aluminum heat-treated alloy A356-T6 with a tensile strength of at least 34,000 psi, yield strength of at least 24,000 psi, shear of 20,700 psi, and elongation of 3.50% minimum. Each casting shall clamp to the post with two connection bolts. Clamp casting shall encapsulate the component attached to support surge loads, preventing surge loads being supported by only the hardware. Clamp shall be finished with a baked-on powder coating.

2. Clamp Castings [Little Buddies] shall be cast aluminum heat-treated alloy A356-T6 with a tensile strength of at least 34,000 psi, yield strength of at least 24,000 psi, shear of 20,700 psi, and elongation of 3.50% minimum. Each casting shall clamp to the post with one connection bolt. Clamp shall be finished with a baked-on powder coating.

B. Platforms

1. Platforms [Nucleus, Synergy, Voltage, Little Buddies] One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with EZKonnect (patent pending) self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts.

2. Recycled Platforms [Nucleus] One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with EZKonnect (patent pending) self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts. Boards are a one-piece solid, non-hollow foamed recycled HDPE (ReHDPE)

3. 90 Degree Platform [Nucleus, Voltage] One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with patented EZKonnect self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

4. Crescent Platform: Platform mount shall be one piece all welded construction consisting of 2.375" 12ga and 1.315" 14ga formed galvanized tubing, 7ga stainless steel and 8ga galvanized steel plates, finished with a baked-on powder coating. Platform panel shall be 3/4" co-extruded HDPE.

C. Fasteners

1. Button head cap screws and socket head cap screws shall be 302HQ corrosion resistant, passivated, stainless steel, tamper resistant, and pre-treated with a locking/sealing adhesive.

2. Other stainless-steel hardware shall be 302HQ corrosion resistant stainless steel.

3. Non-stainless-steel hardware shall be zinc plated grade 5 steel.

4. Threaded Post Nut Inserts [Nucleus, Synergy, Voltage, Little Buddies] shall be a corrosion resistant threaded insert crimped into post. Inserts shall be precision CNC located and factory installed for all attachment points.

D. Rotationally Molded Plastic Parts, shall be manufactured from color compounded, linear, low-density polyethylene with an average of .250" wall thickness and textured non-sliding surfaces. Plastic parts shall be UV stabilized to UV-20 and shall have a density of 0.935 per ASTM D-1505. Plastic parts shall have a tensile strength at yield no less than 2500 psi with flexural modulus of 87,200 psi.

E. HDPE plastic panel parts shall be precision cut from a single solid sheet of either .50” or .75” thick UV-stabilized extruded high-density polyethylene with colors molded in, with a durable matte finish. The material will have a density of 59.6 lbs./cu.ft. and a tensile strength of 4000psi. All edges shall be rounded or chamfered for safe play.

F. Play Mats are 100% recycled rubber buffing’s bonded with urethane.

G. Posts, steel [Nucleus, Synergy, Voltage, Little Buddies] shall be cold-formed steel tubing with a yield test of at least 50,000 psi and a tensile strength of at least 55,000 psi. Tube members shall comply with ASTM A-135 and ASTM A-500 Grade B minimum and shall be tested according to ASTM E-8.

1. Tubing Exteriors shall be triple coated for maximum exterior protection: galvanized, then coated with a chromate conversion coating and finished with a baked-on powder-coat.
2. Tubing interiors shall be coated with a corrosion resistant zinc-rich coating.
3. Tubing and cap finished with a baked-on powder coating.
4. Standard posts shall be an assembly consisting of the galvanized steel tubing with a cast aluminum cap factory installed in the post with 1/8” x 15/32” stainless steel pinned aluminum drive rivets.
5. Posts [Nucleus, Intensity] shall be 5” OD x 11 GA galvanized steel tubing.
6. Posts [Little Buddies] shall be 2 3/8" OD x 12 GA galvanized steel tubing.
7. Posts [Synergy, Voltage] Post shall be 3 1/2" OD x 11 GA galvanized steel tubing.

H. Posts, aluminum [Nucleus, Synergy, Voltage, Intensity] shall be extruded aluminum tubing with a yield test of at least 35,000 psi and a tensile strength of at least 38,000 psi. Tube members shall comply with and shall be tested according to ASTM B-221. Standard posts shall be an assembly consisting of the extruded aluminum tubing with a cast aluminum cap factory installed in the post with 1/8” x 15/32” stainless steel pinned aluminum drive rivets.

1. Posts [Nucleus, Intensity] shall be 5” OD x 1/8” wall thickness aluminum tubing.

2. Posts [Synergy, Voltage] Post shall be 3 1/2" OD x 1/8” wall thickness aluminum tubing.

2.02 Descriptions of Coatings

A. PVC Coating (Poly-Vinyl Chloride): Prior to coating, each part shall be chemically washed, submerged in a heat-activated primer and dried. After drying, each part shall be pre-heated to a temperature no less than 350° F and immersed in liquid PVC. Play/usage surfaces shall have coating thickness of .085-.150 in. Park and site surfaces (i.e., benches, picnic tables) shall have coating thickness of .050-.080 in. PVC shall comply with California Assembly Bill #1108 by having a concentration that does not exceed 0.1% of the following phthalates; DINP, DIDP, DnOP, DEHP, or BBP. This formulation is also free of heavy metals such as Lead and Cadmium. The PVC shall have:

1. Tensile strength of no less than 1830 psi per ASTM 412.
2. Elongation of no less than 350% per ASTM 412.
3. Tear strength of no less than 250 lb./in. per ASTM 624.
4. Hardness of 75 +/- 3 (Durometer, Shore A) per ASTM 2240.
5. UV stabilizer shall be added to PVC to withstand one year in a QUV panel tester without any significant color drift.
6. Burn Rate will meet or exceed Federal Safety Standard MVSS 302. This is the same as a UL 94 HB rating.

B. Powder Coating – Standard and Super Durable colors: All metal parts will be coated with a two-part powder coat system that consists of a primer and a top coat. Powder coating is electrostatically applied at a thickness of 3 to 6 mils (.003 - .006). Prior to powder coating, all parts shall be cleaned and pretreated with a 5 stage non-phosphate and non-chromic process. The primer is cured before applying the top coat which is a polyester/TGIC powder coating with superior color-, gloss-, and UV-16 additive. Note: Top coat may be Standard or Super Durable powder coating depending on specific color availability. Finish quality conforms to ASTM Specifications and will have the following properties:

1. Adhesion: No less than 5B [The edges of the cuts are completely smooth; none of the squares of the lattice is detached.] (cross hatch/tape adhesion test per ASTM D3359 Method B).
2. Hardness: No less than 2H (pencil hardness test per ASTM B3363).
3. Resistance to Impact: Cracking at the perimeter of the concave area, but no cracking pick off from 80 in/lbs. direct or reverse impact (ASTM D2794).
4. Resistance to Bending: No visible cracking (1/8” bending test per ASTM 522).

5. Degree of Gloss: No less than 80% reflected (specular gloss test at 60° per ASTM D523).

6. Resistance to Salt Spray (Standard colors): No more than 1/8” undercutting and no blistering in 1000 hours (salt spray test per ASTM B117)

7. Resistance to Humidity (Standard colors): No more than 1/8” undercutting and no blistering in 1000 hours (humidity test per ASTM D2247)

Further properties for specific Super Durable colors:

8. Resistance to Acid Salt Spray (Super Durable colors): No more than 1/32” undercutting and no blistering in 3000 hours (salt spray test per ASTM G85 Annex 5).

9. Resistance to Humidity (Super Durable colors): No more than 1/32” undercutting and no blistering in 3000 hours (humidity test per ASTM D2247)

10. Weathering (Super Durable colors): No less than 4 (tested per EN 20105-A02)

11. Light fastness (Super Durable colors): No less than Grade 7 (tested per EC ISO 105-B02)

C. Corrosion protection: All metal parts will either have inherent corrosion protection such as stainless steel, aluminum or galvanized steel, or they will be pre-treated prior to powder coating with either an e-coat or zinc clear chromate coating for superior corrosion protection.

2.03 Barriers & Enclosures

A. Center Mount Enclosure [Nucleus, Voltage] One piece all welded construction consisting of 3 1/2” OD X 11 GA, 1.315” OD X 12 GA & 1.029” x 14 GA galvanized steel tubing and 10 GA galvanized sheet. Finished with a baked-on powder coating.

B. Clubhouse Enclosures [Nucleus]

1. Clubhouse Full Board Panel and Clubhouse Half Board Panel consists of 3/4" recycled HDPE with wood grain texture, 1.315” OD x 14 GA galvanized steel tubing and zinc plated steel nut inserts. Finished with a baked-on powder coating, and castings made of A356-T6 aluminum, heat- treated. Finished with baked on powder coating. The hardware package contains stainless steel button head cap screws, nuts, and washers; and aluminum rivets with 302 stainless steel pin.

2. Clubhouse Upper Board Panel consists of 3/4” recycled HDPE with wood grain texture, bracket that is one piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16” stainless steel plate, finished

with baked on powder coating. The hardware package contains stainless steel button head cap screws, washers and barrel nuts.

C. Enclosures [Little Buddies] 3/4" co-extruded H.D.P.E.

D. Enclosures and Stanchions [Synergy Imagination] ¾” co-extruded HDPE face mounted to 3 ½” OD posts. Filler bracket consisting of ½” extruded HDPE and a bracket consisting of 1 3/4" SQ X 12 GA galvanized steel tubing finished with a baked-on powder coating. One-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

E. Enclosures, Climbers, Climbers 2-5 [Synergy] Synergy side enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

F. Enclosures and Stanchions [Nucleus, Synergy, Voltage] One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, or 1.315” OD galvanized tubing and 7 GA stainless steel brackets, and HDPE threaded inserts. Finished with a baked-on powder coating.

G. Enclosure, Offset [Nucleus, Voltage] One piece all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA galvanized steel tubing, 10 GA galvanized sheet and HDPE threaded inserts. Finished with a baked-on powder coating.

H. Enclosure, Offset [Synergy] One piece all welded construction consisting of 1.315" OD x 14 GA, 12 GA and 1.029" OD x 14 GA galvanized steel tubing and 7 GA stainless steel brackets finished with a baked-on powder coating.

I. Evolution Barriers and Enclosures [Nucleus] Shall consist of a weldment that is one piece all welded construction consisting of 1.315” OD X 12 GA galvanized steel tubing, 1.315” OD X 14 GA galvanized steel tubing, 13/16” OD X 15 GA or 1.029” OD x 14 GA galvanized steel tubing, and 8 GA and 10 GA galvanized steel plating, which is finished with a baked-on powder coating. The barriers shall have panel that are made of either 3/4"extruded HDPE or 3/4” co-extruded HDPE. There shall be castings that are A356-T6 aluminum, heat-treated, which are finished with a baked-on powder coating. All hardware shall be stainless steel nuts, screws, and washer.

J. Evolution Stairway and Bridges [Nucleus] Shall consist of a weldment that is one piece all welded construction consisting of 1.315” OD X 12 GA galvanized steel tubing, 1.315” OD X 14 GA galvanized steel tubing, 13/16” OD X 15 GA or 1.029” OD x 14 GA galvanized steel tubing, and 8 GA and 10 GA galvanized steel plating, which is finished with a baked-on powder coating. The barriers shall have panel that are made of either 3/4"extruded HDPE or 3/4” co-extruded HDPE. There shall be castings that are A356-T6 aluminum, heat-treated, which are finished with a baked-on powder coating. All hardware shall be stainless steel. One piece all welded

construction consisting of 12 GA HRPO steel surfaces, sides and gussets. PVC coated after fabrication.

K. Internal Barrier [Voltage] Shall consist of four separate parts each being all welded construction consisting of 1.660” OD x 12 GA and 1.315” OD x 14 GA galvanized steel tube and 10 GA galvanized steel plate finished with a baked-on powder coating.

L. Pipe Walls, Nature Play Pipe Wall [Nucleus, Synergy, Voltage, Little Buddies] One piece, all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA, galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA formed galvanized steel plate, and finished with a baked-on powder coating.

M. Pipe Wall with Steering Wheel or Telescope mount [Synergy] One piece, all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA, galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA formed galvanized steel plate and 304 SS machined shaft and 7 GA stainless steel brackets, and 1.135” OD galvanized tubing and 7GA stainless steel brackets and threaded insert. Finished with a baked-on powder coating.

N. Platform Barrier [Synergy, Nucleus] barrier panel shall be ¾” co-extruded HDPE. Hardware package shall be stainless steel screws, nuts & washers.

O. Pipe Wall [Little Buddies] One piece all welded construction consisting of 1.315" OD x 14 GA wall and 1.029" OD x 14 GA wall galvanized tubing, 1 1/2" x 1/2" x 1/8" HR steel channel and zinc coated grade 32510 malleable iron mounting lugs. Finished with a baked-on powder coating.

P. Slotted Barrier [Nucleus, Voltage, Little Buddies] 3/4" co-extruded H.D.P.E.

Q. Stanchion [Little Buddies] One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and zinc coated grade 32510 malleable iron mounting lugs. Finished with a baked-on powder coating.

2.04 Brackets

A. Panel Brackets [Synergy, Voltage] for accessible reach panels, upper board panels and battlement panels shall be one piece all welded construction consisting of 7 GA stainless steel formed plate and 8 GA galvanized sheet steel finished with a baked-on powder coating.

B. Mounting Brackets [Voltage] Bracket shall be one piece all welded construction consisting of 3/16” stainless steel plate and 1.029” OD x 14 GA or 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

C. Mounting Tubes [Little Buddies] Tube shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and a stainless-steel threaded insert. Finished with a baked-on powder coating.

D. Mounting Tubes [Synergy, Voltage, Nucleus] Tube shall be one piece all welded construction consisting of a 1.315 OD x .083" wall galvanized tube and a 12L14 steel threaded insert. Finished with a baked-on powder coating.

E. Panel Mounting Tubes [Synergy, Voltage] Tube shall be one piece all welded construction consisting of 3/16" stainless steel plates and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

F. Slide Entrance Brackets [Voltage, Nucleus, Synergy] Bracket shall be 14 GA galvanized steel plate finished with a baked-on powder coating.

G. Steering Wheel Mount Bracket [Voltage, Little Buddies] and Post-Mounted Ship's Wheel Bracket [Nucleus] Bracket shall be one piece all welded construction consisting of a 3/16" stainless steel plate and a stainless-steel threaded shaft. Finished with a baked-on powder coating.

2.05 Bridges

A. Arched Bridge [Nucleus, Voltage, Synergy], Mini Arched Bridge [Nucleus, Voltage, Little Buddies] One piece all welded construction consisting of 12 GA HRPO steel and PVC coated after fabrication. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

1. Barriers [Nucleus, Voltage,] shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Barriers [Synergy] shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plate.

3. Barriers [Little Buddies] shall be ¾" extruded H.D.P.E.

4. Guardrails [Nucleus, Voltage] shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

B. Arched Catwalk Bridge [Nucleus, Voltage] One piece all welded construction consisting of 12 GA HRPO steel surfaces with 12 GA sides and gussets [Voltage] or 7 GA sides and gussets [Nucleus] and PVC coated after fabrication. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate, finished with a

baked-on powder coating. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

C. Buckle Bridge [Nucleus, Voltage] Plank connectors shall be 304 stainless-steel finished with a baked-on powder coating. Bushings shall be oil-impregnated SAE 841 bronze, Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating. Entrance planks and planks shall be one piece all welded construction consisting of a 12 GA HRPO steel surface, 1/4" HR steel sides, and 303 annealed stainless steel threaded studs. PVC coated after fabrication.

1. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

2. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

D. Conveyor Belt Bridge [Voltage] Hanger plates shall be 7 GA HRPO steel and finished with a PVC coating. Belt hangers shall be one piece all welded construction consisting of 7 GA HRPO steel and weld studs. Finished with a PVC coating. Rubber belt shall be 3/8” nylon belted rubber.

1. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and grade 32510 malleable iron support pins. Finished with a baked-on powder coating.

E. Deck to Deck Plank [Nucleus, Voltage, Little Buddies, Synergy] Plank steps shall be 3/4" co-extruded H.D.P.E. Deck to deck plank shall be one piece all welded construction consisting of 12 GA HRPO steel and PVC coated after fabrication. Handholds shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing and 14 GA galvanized steel and finished with a baked-on powder coating. Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing and finished with a baked-on powder coating.

F. Straight Bridge [Nucleus, Voltage] One piece all welded construction consisting of 12 GA surfaces and 11 GA gussets. PVC coated after fabrication. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

1. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2.06 Burke Basics

A. AirVenture Glider, AirVenture Glider Add-On Bay [Burke Basics] Black PVC chain shall be galvanized 4/0 straight coil chain with black PVC coating. The hover board shall be linear, low density rotationally molded, U.V. stabilized polyethylene, .250” thick, double wall construction with a textured outside surface. Swaged posts shall be 3 ½” OD x 11GA galvanized steel tubing finished with a baked-on powder coating. Swing arch shall be one piece all welded construction consisting of 3 ½” OD x 11 GA galvanized steel tubing, machined stainless steel finished with a baked-on powder coat. [Add-on] Leg, Volito add-on bay shall be one piece all welded construction consisting of 3 ½” OD x 11 GA galvanized steel tubing, 1.029” OD x 14 GA galvanized steel tubing and 10 GA galvanized steel plate finished with a baked-on powder coat finish. Glider frame shall be one piece all welded construction consisting of 1.029” OD x 14 GA galvanized steel tubing, 8 GA and 10 GA galvanized steel sheeting, and 7/16” thick stainless-steel tab finished with a baked-on powder coating. Handle frame shall be one piece all welded construction consisting of 1.315” OD x 14 GA galvanized steel tubing and 1.315” OD stainless steel threaded insert finished with a baked-on powder coating. Rod consists of stainless steel. Brass spacer made from brass 7/16” OD x .028” wall brass tube. Swing pivot consists of machined stainless steel finished with a baked-on powder coating. Bearings consisting of oil impregnated bronze.

B. Balance Beam [Burke Basics]

1. S: Beam shall be one piece all welded construction consisting of 3" SQ x 11 GA galvanized steel tubing, 1.660" OD x 13 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Straight: Beam shall be one piece all welded construction consisting of 3" SQ x 14 GA galvanized steel tubing, 1.660" OD x 13 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating.

3. Zig-Zag: 12’ beam shall be one piece all welded construction consisting of 3" SQ x 11 GA galvanized steel tubing, 1.660" OD x 13 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating.

4. Z: 4’ beam shall be one piece all welded construction consisting of 3” SQ x 11 GA galvanized steel tubing and 14 GA galvanized steel plate. Supports consisting of 1.660” OD x 13 GA galvanized steel tubing finished with a baked-on powder coating. Finished with a baked-on powder coating.

C. Biba [Nucleus, Synergy] ¾” extruded HDPE, stainless steel hardware and 3mm dibond panels.

D. Boulder, Large [Nature Play] shall be an assembly consisting of fiberglass constructed shell panels and cap with modular polyurethane holds attached with stainless steel hardware. Supporting frame work assembly consisting of all welded one-piece construction 2" square x .125" wall steel tubing,10 GA steel plate with

support tubes 1.660" OD x 13 GA galvanized steel tube. Finished with a baked-on powder coating.

E. Boulder, Small [Nature Play] shall consist of a fiberglass constructed shell with supporting frame work consisting of all welded construction consisting of 1.660" OD x 12 GA galvanized steel tubing and HRS angle. Finished with a baked-on powder coating.

F. Brava Universal Swing: Assembly consisting of 16 GA galvanized sheet steel finished with a baked on powder coating, ½" textured HDPE, ¾" co-extruded HDPE, 3 ½" OD X 11 GA galvanized steel tubing finished with a baked-on powder coating, One piece welded construction consisting of 3 1/2" OD galvanized steel tubing and 10 GA galvanized steel plates finished with a baked-on powder coating, One piece welded construction consisting of 1.315" OD X 14 GA embossed galvanized steel tubing and 1.315" OD X 12 GA steel tubing finished with a baked-on powder coating, One piece welded construction consisting of 1.315" OD X 14 GA embossed galvanized steel tubing and 10 GA galvanized steel plate finished with a baked-on powder coating, Rubber belt consisting of 3-ply fabric with rubber top and bottom covers, overall 1/2" thickness and stainless steel hardware.

G. Carousel [Burke Basics] Bearing shall be heavy duty, precision thrust, sealed ball bearing. Gasket shall be cork. Handrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 3/16" HR steel plate. All welds finished with a cold galvanized compound. Base shall be one piece all welded construction consisting of 3 1/4" OD DOM steel tubing, 1/4" & 7 GA HR steel plate, and 2 3/4" dia. steel round. Finished with a baked-on powder coat. Cover plate shall be 14 GA HRPO steel finished with a baked-on powder coat. Speed limiter shall be an assembly consisting of a high torque low speed hydraulic motor with flow control valving, a stainless-steel motor coupling, a steel bracket, stainless steel set screws, zinc plated steel hardware, steel hydraulic fittings and hose ends.

1. 68" Platform shall be one piece all welded construction consisting of 11 GA dimpled spun steel, 1.660" OD x 13 GA galvanized steel tubing, and 5 1/2" OD x 3/8" wall DOM steel tubing. Finished with a baked-on powder coating.

2. 92" Platform shall be one piece all welded construction consisting of 11 GA dimpled spun steel, 1.900" OD x 11 GA galvanized steel tubing, and 5 1/2" OD x 3/8" wall DOM steel tubing. Finished with a baked-on powder coating.

H. Comet I & Comet II [Burke Basics] One piece all welded construction consisting of formed 1.660" OD and 1.315' OD x 12 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Anchor is one piece all welded construction consisting of 5 1/2" DIA steel housing with 2 3/4" dia. shaft, 5" OD x 7 GA galvanized steel tube. Finished with a baked-on powder coat. Spinner cover is 3/4" extruded HDPE.

I. Crawl Tunnels [Burke Basics] HDPE Panels shall be 1/2" and 3/4" extruded and co-extruded HDPE. Rotational Mold Panels shall be 1/4" thick, linear, low density,

rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8” t-nut inserts, and a textured outside surface. Tubes shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Anchor support tubes shall be 1.660" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating.

J. Cruiser [Burke Basics] Base frame welded fabrication consisting of 3" x 5" structural channel, 3/8" HRPO steel plates, 1/4" HRPO steel plates, 8 GA. galvanized plates. Finished with E-coat primer and baked on powder coating. Rocking frame welded fabrication consisting of 2" square structural tubing, 3/8" HRPO steel plates, 8 GA and 12 GA. galvanized plates. Finished with E-coat primer and baked on powder coating. Thrust bearings shall be bronze. Rocker platform, platform adapter and seats shall be one piece all welded construction consisting of 12 GA surfaces and 12 GA gussets. PVC coated after fabrication. Upper frames, Handle and support shall each be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, 10 GA galvanized steel plate and malleable iron plug. Finished with a baked-on powder coating. Brackets shall be 8 gage and 10 GA formed galvanized sheet metal, finished with a baked-on powder coating. Panels shall be 1/2" and 3/4" extruded HDPE. Pivot arms shall be 6061-T6 Aluminum. Pivot pins shall be an assembly consisting of 10 GA galvanized plate, machined 416 Stainless Steel pin, hardened and stainless-steel screws. Spacers shall be stainless steel. Bumper shall be neoprene rubber. Shock absorbers shall be gas charged dampener with ball joint connection ends.

K. Daisy Spinner [Burke Basic] Anchor shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 1 7/8" dia. plated solid steel round. Finished with a baked-on powder coating. Bracket shall be one piece all welded construction consisting of 3 1/2" OD x 3/8" wall DOM steel tubing, 8 GA galvanized steel plate with zinc chromate plating after welding. Finished with a baked-on powder coating. Panel shall be 1/2" extruded HDPE.

L. Dinosaur Fossil Dig – Large & Small [Burke Basics] Manufactured from Glass Fiber Reinforced Concrete (GFRC). Base concrete shall be minimum compressive strength of 4,000 psi. Glass fiber is Alkali Resistant (AR) type glass formulated for concrete. Material thickness shall be approximately 1”. Finished and colored with a UV resistant, non-fading acrylic vinyl paint.

M. Dome3 [Burke Basics] Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum grip, end connectors, and ferrules with stainless steel screws. Weldment shall be one piece all welded construction consisting of formed 1.315” OD x 12 GA galvanized steel tubing, 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Footing tube shall be one piece welded construction consisting of 1.90” OD x 11 GA galvanized steel tubing and a 12 GA galvanized steel cap finished with a baked-on powder coat. Upper frame, lower frame shall be one piece welded construction consisting of 2 3/8” OD x 10 GA, 1.315” OD x 12 GA, 14 GA galvanized steel

tubing, 8 GA galvanized steel plate finished with a baked-on powder coating. U bracket shall be formed 8 GA galvanized sheet finished with a baked-on powder coat. Black PVC chain shall be 3/8” diameter, 4/0 straight coil chain, PVC coated after fabrication. Anchor tube shall be 1.315” OD x 12 GA galvanized steel tubing. Monitou climber shall be ¼” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. Spacer shall be ¼” nylatron GS. Brass spacer shall be brass tube 7/16” OD x .028” wall. Clevis shackle w/bolt shall be 5/16” shackle with a 3/8” x 1 ½” bolt. Hardware shall be stainless steel, black thermoplastic.

1. Bell Dome3 Sensory Event [Burke Basics] Bell dome3 sensory event assembly shall be extruded HDPE, cast aluminum bell, galvanized steel brackets. Hardware shall be stainless steel.

2. Chroma Dome3 Sensory Event [Burke Basics] Chroma sensory event shall be extruded HDPE and 0.220” acrylic. SS hardware.

3. Grass Dome3 Sensory Event [Burke Basics] Grass dome3 sensory event assembly shall consist of routed HDPE panels ½”, polycarbonate windows, SS balls, sealed ball bearings, injection molded HDPE bolt covers, SS hardware.

4. Groovy Dome3 Sensory Event [Burke Basics] Groovy sensory event shall be extruded HDPE, formed galvanized sheet steel finished with a baked-on powder coating and stainless-steel rod. SS hardware.

5. Hypno Dome3 Sensory Event [Burke Basics] Hypno dome3 sensory event assembly shall consist of routed HDPE panels ½”, bronze bushing, SS shaft standoff, injection molded HDPE bolt covers, SS hardware.

6. Melody Dome3 Sensory Event [Burke Basics] Melody dome3 sensory event assembly shall be extruded HDPE, stainless steel hardware.

7. Mirror Dome3 Sensory Event [Burke Basics] Mirror dome3 sensory event assembly shall be extruded HDPE, stainless steel hardware.

8. Raindrops Dome3 Sensory Event [Burke Basics] Raindrops dome3 sensory event assembly shall consist of routed HDPE panels ½”, polycarbonate windows, SS balls, sealed ball bearings, injection molded HDPE bolt covers, SS hardware.

N. Dynamic Pad [Burke Basic] Pad shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Supports shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

O. Dynamic Pad Step [Burke Basics] Pad shall be ¼” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction,

molded in 3/8” T-nut inserts and a textured surface. Support 57 ¾” is one piece all welded construction consisting of formed 2 3/8” OD x 10 GA, 5” OD x 11 GA galvanized steel tubing, and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Hardware shall be stainless steel.

P. Dynamic Surfer [Burke Basic] Pad shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Mounting bracket shall be one piece all welded construction consisting of 10 GA galvanized steel sheet, 1" OD stainless steel, and zinc plated steel. Finished with a baked-on powder coating. Spring anchor plate shall be DC04 grade cold rolled low carbon steel, formed and finished with a black baked on powder coat. Spring shall be 20mm OD spring steel finished with a baked-on powder coating. Bottom plate shall be 1/4" HR steel plate finished with a baked-on powder coating. Hardware shall be stainless steel screws, nuts, and washers; black nylon spacers, zinc plated steel screws, lock nuts, washers, and anchor bolts.

Q. Fireman Climber [Burke Basics] T-fittings shall be a formed 12 GA galvanized steel plate. Sliding pole shall be 1.660" OD x 13 GA galvanized steel tubing. Upright shall be one piece all welded construction consisting of 3 1/2" OD x 8 GA and 1.029" OD x 14 GA galvanized steel tubing. Top ring shall be one piece all welded construction consisting of 4" OD x SCH 40, 1.660" OD x 13 GA, & 1.029" OD x 14 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating.

R. FS Ant Hill [Burke Basics] Ant Crawl Panel shall consist of 1/2" co-extruded HDPE. Ant Crawl Support shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Formed Plate shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Rock Climbing Holds shall consist of molded professional grade rock climbing hole with stainless steel washers.

S. Fun Phones [Nucleus, Voltage, Little Buddies] Tubing shall be 1 9/16” OD x 50' black polyethylene NSF 61 tubing. Flex tubing shall be 1 15/16” OD x 12” super flexible pvc duct hose. Funnel shall be linear, low density, rotationally molded, U.V. stabilized, polyethylene. Hose clamps shall be 2 1/2" OD adjustable stainless-steel worm-drive hose clamps.

1. Phone tube [Nucleus, Voltage] shall be one piece all welded construction consisting of 1.315" OD x 14 GA and 1.660" OD x 13 GA galvanized steel tubing, and formed 3/16 stainless steel plate, and perforated steel plate. Finished with a baked-on powder coating. 1 ¼” X 1 ¼” rubber coupling, 1 ¼” X 1 ½” rubber coupling shall be flexible PVC gasket and 300 series stainless steel clamps. Plastic 90-degree elbow 1 ¼” X 1 ¼” shall be PVC schedule 40 pipe 1 ¼” X 1 ¼”.

2. Phone tube [Little Buddies] shall be one piece all welded construction consisting of 1.315" OD x 14 GA and 1.660" OD x 13 GA galvanized steel tubing and stainless-steel threaded insert. Finished with a baked-on powder coating. 1 ¼" X 1 ¼" rubber coupling, 1 ¼" X 1 ½" rubber coupling shall be flexible PVC gasket and 300 series stainless steel clamps. Plastic 90-degree elbow 1 ¼" X 1 ¼" shall be PVC schedule 40 pipe 1 ¼" X 1 ¼".

T. Grab Bar [Nucleus, Voltage] Bar shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing and 7 GA HRPO sheet steel. Finished with a baked-on powder coating.

U. Grab Bar [Synergy] Bar shall be one piece all welded construction consisting of 1/315" OD X 12 GA galvanized steel tubing and 7 GA stainless steel bracket finished with a baked-on powder coating.

V. Grab Bar [Burke Basics] Bar shall be one piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat. Hardware shall be stainless steel.

W. Half Log Frame consisting of one piece all welded construction ¼" steel plate, #5 carbon steel rebar and 5" OD X 7 GA galvanized steel tubing finished with a baked-on powder coating. Log consisting of shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of rock is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete.

X. Hillside Pod Climber: Climber body shall be linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface. Footer shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and 8GA galvanized steel plate. Finished with a baked-on powder coating.

Y. Hop Spot Pod [Burke Basics, Intensity, Nucleus] Pod top shall be formed 1/2" extruded HDPE. Pod bottom shall be 1/4" rotationally molded LLDPE. Pod support shall be 2 3/8" OD X 3/16" wall DOM steel tube finished with a baked-on powder coating. Pod spring assembly shall consist of a welded 1.499" OD machined tube, 8 GA galvanized plate, 2 3/8" OD compression spring, oil impregnated bronze bearings, and external retaining rings.

Z. Kid Force Spinner [Burke Basics] Spinner Bowl shall be an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Bearings shall be heavy duty, precision thrust, sealed ball bearings. Bracket shall be one piece all welded construction consisting of 3 1/2" OD x 3/8" wall DOM steel tubing, 1/4" HR steel plate. Finished with a baked-on powder coating. Support shall be one piece

all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 2" dia. solid steel round. Finished with a baked-on powder coating.

AA. Kid Koaster [Nucleus, Voltage] Bumper stop shall be molded black polyurethane. Aluminum sleeve shall be 1 1/8" dia. aluminum round. Kid Koaster sleeve shall be 1/2" OD steel tube finished with a baked-on powder coating. Kid Koaster shall be one piece all welded construction consisting of 6005 T5 aluminum extrusion, and 3 1/2" OD x 5/16" wall and 1 5/8" OD x 1 5/32" ID aluminum tubing. Handle shall be an assembly consisting of 1 3/4" OD x 3/4" plastic roller guides, 2 3/16" OD x 1 3/16" plastic wheels, bearing, and a one piece all welded PVC coated handle made of 3/8" OD HR steel rod, 1" x 1" HR steel bar, 5/16" dia. stainless steel rod, and zinc plated bolts.

BB. Ladybug [Burke Basics] Manufactured from Glass Fiber Reinforced Concrete (GFRC). Base concrete shall be minimum compressive strength of 4,000 psi. Glass fiber is Alkali Resistant (AR) type glass formulated for concrete. Material thickness shall be approximately 1”. Finished and colored with a UV resistant, non-fading acrylic vinyl paint. Anchor is 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating attached with stainless steel hardware.

CC. Level X Climbers [Burke Basics] Level X main arch is one piece all welded construction consisting of 5” OD x 11 GA and 3.5” OD x 11 GA galvanized steel tubing and 3/8” thick stainless-steel tabs. The main arch supports are one piece all welded construction consisting of 5” OD x 11 GA galvanized steel tubing and 3/8” thick stainless-steel tabs. The lower arch connector is one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing. The lower arches are one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing, 10 GA galvanized steel plating, 3/8” thick stainless-steel tabs, and 3/8-16 UNC stainless steel weld studs. The center ring is one piece all welded construction consisting of 1.9” OD x 11 GA galvanized steel tubing, 8 GA galvanized steel plating, 1/4" thick hot rolled steel plating plated with zinc-chromate, and 3/8” thick stainless-steel tabs. The belt brace is one piece all welded construction consisting of 1.9” OD x 11 GA galvanized steel tubing, 14 GA galvanized steel plating, and 3/8” thick stainless-steel tab. The transfer frame is one piece all welded construction consisting of 1.9” OD x 11 GA and 1.315” OD x 14 GA galvanized steel tubing, and 8 GA galvanized steel plating. The transfer platform support is one piece all welded construction consisting of 3.5” OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plating. The conveyor belt footer is one piece all welded construction consisting of 3.5” OD x 11 GA galvanized steel tubing and 10 GA galvanized steel plating, with zinc-plated steel nut inserts. The pod mount is one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel sheet. Cover plates are 8 GA galvanized steel plating. Anchor tubes are 1.315” OD x 12 GA galvanized steel tubing. Clamps are cast aluminum. All parts specified above are finished with a baked-on powder coat. Anchor chains are 4/0 galvanized coil chain. The pod is 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. The panels and plastic covers are 1/2” or 3/4" extruded HDPE. The rope assemblies are comprised of

16 mm and 20 mm ropes that consist of 6 right-hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers swaged together with aluminum end connectors and ferrules. The belts consist of 3-ply fabric with rubber top and bottom covers, overall, 1/2" thickness. Turnbuckle assembly consists of hot dipped galvanized steel eye-eye turnbuckle assembly with split lock washers and hex nuts. Hardware consists of stainless-steel nuts, bolts, and washers, 5/16" shackle with a 3/8" X 1 1/2" bolt, 1/4" Nylatron GS spacer and brass tube 7/16" OD X .028" wall. Loctite is provided as a thread locker.

DD. Little Buddies Train Engine, Dining Car, Sand Car and Tanker Car [Burke Basics] Panels shall be 1/2" and 3/4" extruded and co-extruded HDPE. Roof/bench support tubing shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 302 SS insert with a baked-on powder coating. Mounting brackets shall be 10 GA galvanized steel with a baked-on powder coating. Support tubes shall be 1.660" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Tube shall be .250" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Engine bell assembly shall consist of one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 302 SS aluminum plate, a bracket of all welded construction consisting of 10 GA galvanized sheet steel, finished with a baked-on powder coating. Galvanized 4/0 straight coil chain.

EE. Little Digger [Burke Basics] Seat shall be A319 F aluminum casting. PVC coated after fabrication. Support pipe shall be an assembly consisting of a one piece all welded support pipe consisting of 1.900" OD x 11 GA & 1.660" OD x SCH 80 galvanized steel tubing and 1/4" HR steel plate, two oil impregnated bronze bearings, and a snap ring. Frame shall be an assembly consisting of an aluminum cast bucket, stainless steel button head cap screws & washers, zinc plated drive screws & washers, oil impregnated bronze bearings, snap rings and 1.050" OD x .112" wall black steel handles & supports. Handles & supports finished with a baked-on powder coating.

FF. Lunar Landing Tower [Burke Basics] Panels shall be 1/2" and 3/4" extruded and co-extruded HDPE. Mounting brackets shall be formed 10 GA galvanized steel with a baked-on powder coating. Stairs and platform shall be one piece all welded construction consisting of 12 GA HRPO and/or 10 GA HRPO steel surfaces and sides. PVC coated after fabrication. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and finished with a baked-on powder coating. Slide exit supports shall be 1.660" OD X 14 GA galvanized steel tubing finished with a baked-on powder coating. Slide shall be an assembly consisting of 1/2" HDPE bedway, stainless steel keyhole rung, side rail weldments consisting of 1/8" thick extruded aluminum D-rail and 1/8" aluminum plate, steel nut inserts and aluminum rivets. Side rails finished with a baked-on powder coating. Bubble window shall be 1/4" thick vacuum-formed G.E. Lexan plastic. Drum shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface.

GG. Movmnt [Burke Basics, Nucleus] Post cap shall be A356 aluminum. Sensor trim shall be ¾" extruded HDPE. Movmnt front panel shall be ¾" co-extruded HDPE. Sensor housing shall be ¼" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Movmnt support post shall be one-piece welded construction consisting of 5" OD X 11 GA, 1.315" OD X 12 GA, 3 ½" OD X 11 GA galvanized steel tubing, 8 GA sheet steel and stainless-steel inserts finished with a baked-on powder coating. Arches shall be one-piece welded construction consisting of 2 3/8" OD X 10 GA, and 1.315" OD X 12 GA galvanized steel tubing finished with a baked-on powder coating. Stainless steel hardware. Silicone rubber grommet. Movmnt 10 sensor kit including electronic interface, wires, touch sensors, and neoprene seals.

HH. Nature Play Horizontal Split Log Climber & Slanted Log Climber [Burke Basics] Tube shall be, 5" OD x 7 GA galvanized steel tubing finished with a baked-on powder coat. Hardware shall be stainless steel. Loctite shall be thread locker, CAUTION: may irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide. Split log shall be, ¼" HRS steel plate, 5# grade 60 carbon steel rebar, 5" OD x 7 GA galvanized steel tubing within glass fiber reinforced concrete textured and painted to resemble a natural split log.

II. NaturePlay Log Tunnel [Burke Basics] Log shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of log is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Mounting tabs are 7 GA low-carbon steel.

JJ. NaturePlay Rock Climber [Burke Basics] Rock shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of rock is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Integrated rectangular tubing for lifting and anchoring is 7 GA low-carbon steel.

KK. NaturePlay Rock – Large, Medium & Small [Burke Basics] Manufactured from Glass Fiber Reinforced Concrete (GFRC). Base concrete shall be minimum compressive strength of 4,000 psi. Glass fiber is Alkali Resistant (AR) type glass formulated for concrete. Material thickness shall be approximately 1". Finished and colored with a UV resistant, non-fading acrylic vinyl paint. Anchor is 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating attached with stainless steel hardware.

LL.NaturePlay Stump – Large & Small [Burke Basics] Manufactured from Glass Fiber Reinforced Concrete (GFRC). Base concrete shall be minimum compressive strength of 4,000 psi. Glass fiber is Alkali Resistant (AR) type glass formulated for concrete. Material thickness shall be approximately 1". Finished and colored with a UV resistant, non-fading acrylic vinyl paint. Anchor is 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating attached with stainless steel hardware.

MM. Novo Hillside Climber: Climber body shall be One piece all welded construction consisting of 2 3/8" OD X 12 GA galvanized steel tubing, 1.315" OD X 12 GA galvanized steel tubing, and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Footer shall be one piece all welded construction consisting of 2 3/8" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating.

NN. Novo Hylo BenchClimb [Burke Basics] Footing tubes are 2 3/8" OD x 12 GA swaged galvanized steel tubing. Finished with a baked-on powder coating. Panels are 3/4" extruded HDPE. Hylo Frame is one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing, 1.315" OD x 14 GA galvanized steel tubing and 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Seat frame is one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing, 1.315" OD x 14 GA galvanized steel tubing and 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware shall be stainless steel screws, washers, and barrel nuts.

OO. Orbitron [Burke Basics] Post weldment shall be welded fabrication, 5" OD x 7 gage post with angled bend at the top, solid machined shaft and support, finished with baked on powder coat. Spinning Ring shall be welded fabrication, machined hub with formed tubing rings 1.660" OD and 1.315" OD, formed tubing arms 2.375" OD, finished with baked on powder coat. Bearings shall be heavy duty, precision thrust, sealed ball bearing. Rubber gasket for seal. Spinner cap assembly shall be welded fabrication, 5" OD tube and flange plate, with cast aluminum cap riveted in place.

PP. Orb Rocker [Burke Basics] Upper weldment shall be one-piece welded construction consisting 12 GA and 8 GA galvanized steel plate, 1.315" OD X 12 GA, 1.660" OD X 12 GA, 2.875" OD X 8 GA, and 1.029" OD X 14 GA galvanized steel tubing, finished with a baked-on powder coat. Base weldment shall be one-piece welded construction consisting of 1/4" HRPO plate, 2 7/8" OD X 8 GA galvanized steel tubing, and a machined carbon steel housing. Black E-coat corrosion protection finished with a baked-on powder coat. Shaft housing weldment shall be one-piece welded construction consisting of 1/4" HRPO steel plate and a machined carbon steel spacer. Zinc chromate coated and finished with a baked-on powder coat. Pin shall be machined 1018CF solid carbon steel with a zinc chromate finish. Backrest shall be ½" extruded HDPE. End caps and seats shall be routed ¾" extruded HDPE. Platform shall be ¾" co-extruded HDPE. Hardware package consists of stainless steel and

EcoGuard coated fasteners. Fitness Grip shall be made from casted A356 aluminum, finished with a baked-on powder coating.

QQ. Orb Rocker Footer [Burke Basics] SS rod ½” x 10”, shall be ½” OD 304 SS rod. Tube, 1.660” OD x 13 GA x 36” shall be 1.660” OD X 13 GA galvanized steel tubing finished with a baked-on powder coating. Orb spring footer, shall be one piece welded construction consisting of 2 7/8” OD x 7 GA galvanized steel tubing and ¼” HRS plate finished with a baked-on powder coating. Hardwar shall be stainless steel.

RR. Paint Centers [Burke Basics] Window shall be 1/4" clear polycarbonate. Panels shall be 3/4" co-extruded high-density polyethylene. Shelf shall be 1/2" extruded high-density polyethylene. Frame shall be one piece all welded construction consisting of 2" SQ x 1/8" steel tubing with 3/8" nut inserts. Finished with a baked-on powder coating.

SS. Playhouse [Burke Basics] consists of formed 10 GA galvanized sheet steel finished with a baked-on powder coating, 1.90" X 11 GA galvanized steel tubing finished with a baked-on powder coating, SAE Oil-impregnated bronze bearings, 1/4" Extruded HDPE, 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface, 3/4" Extruded HDPE, .225" colored acrylic, 3/4" co-extruded HDPE, 1/2" extruded HDPE, 1.315" OD X 12 GA galvanized steel tubing, stainless steel threaded inserts finished with a baked-on powder coating and stainless steel hardware.

TT. Post Assembly 2 3/8” OD x 85 1/4” [Burke Basics] Straight tube shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Post cap shall be 3/4" extruded HDPE. Post cap insert shall be 1/2" extruded HDPE. 5/16” SS flat washer shall be stainless steel. 3/8" X 1 1/4" SS button head cap screw shall be stainless steel.

UU. Puppet Show [Burke Basics] Panels shall be 1/2" extruded and co-extruded high-density polyethylene. Frame shall be one piece all welded construction consisting of 2" SQ x 1/8" steel tubing with 3/8" nut inserts. Finished with a baked-on powder coating.

VV. Pull Rings [Nucleus, Voltage] Ring shall be 356-T6 cast aluminum alloy, PVC coated. Pendulum shall be hot-dipped galvanized, grade 32510, heat treated, malleable iron. S-hook shall be 3/8" diameter, zinc plated steel. Bearing shall be oil impregnated, bronze. Support tube shall be one piece all welded construction consisting of 1315" OD x 14 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating.

WW. Rain Wheel Drum Element [Burke Basics] Drum shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene

with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Bracket w/ tab shall be one piece all welded construction consisting of formed 10 GA galvanized sheet steel and 8 GA galvanized sheet steel. Finished with a baked-on powder coat. Hardware package shall be stainless steel button head cap screws, nuts and washers. Rain wheel drum element assembly shall be a assembly consisting of 3/4" extruded H.D.P.E. panels, 1" OD x .049" wall stainless steel tubes, 1/16" diameter stainless steel wire rope, zinc plated steel washers, zinc plated copper compression sleeves, and stainless steel screws, T-nuts & 3/8" washers.

XX. Rally Round [Burke Basics] Sliding pole shall be 1.660" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Ring shall be one piece all welded construction consisting of 1.900 OD x 11 GA, 1.315" OD x 14 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 1 9/16" OD x 13 GA CR steel DOM tubing. Finished with a baked-on powder coating. Ladder shall be one piece all welded construction consisting of 1.900" OD x 11 GA and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

YY. Rev8 Rotating Climber [Burke Basics] Inner post assembly is one piece all welded construction of 5.56" OD Schedule 40 galvanized pipe and machined stainless steel. Outer post assembly consisting of one piece all welded construction of 6.63" OD Schedule 40 stainless steel pipe and 8 GA galvanized steel sheet and machined stainless steel, and a rotational cap assembly consisting of stainless steel and 8 GA galvanized steel plate, finished with a baked-on powder coating. Ring section framework shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 8 GA galvanized steel plate, finished with a baked-on powder coating. Platform sections shall be one piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Cross bar consisting of 1.315 OD x 12 GA galvanized steel tubing and 8 GA galvanized steel plate, finished with a baked-on powder coating. Aluminum end connectors and ferrules, and stainless-steel screws. Machined nylon bearings and couplings. Stainless steel hardware.

ZZ.Rocker, 4 Seat and 2 Seat [Burke Basics] Main beam shall be a one piece all welded construction consisting of 2 formed tubes 2 3/8" OD x 10 gage, 1 formed tube 1.660" OD x 13 gage, 14 gage galvanized plate, formed galvanized seat support plates and 4 handles (2 handles on 2 Seat Rocker) consisting of 1.029" OD x 14 gage galvanized tubing. Finished with baked on powder coat. Main beam shall connect to the base with 4 urethane torsion rods and the formed torsion box 8 gage galvanized plate finished with baked on powder coat. The base shall be one piece all welded construction consisting of formed 8 gage galvanized plate, 2" square tubing and 14 gage end plates. Finished with baked on powder coat. The anchor post shall be one piece all welded construction consisting of 8 gage galvanized plate, 5" OD x 11 GA tube and 8 gage galvanized plate gussets. Finished with baked on powder coat. Seats

shall be HDPE sheet 3/4" thick. Hardware shall be stainless steel and zinc coated button head cap screws, hex head cap screws, washers, nuts & barrel nuts.

AAA. Rocker, Standing [Burke Basics] Main beam shall be a one piece all welded construction consisting of 2 formed tubes and arched tube, 2 3/8" OD x 10 gage, 8 gage formed galvanized plates and 2 handles consisting of 1.029" OD x 14 gage galvanized tubing. Finished with baked on powder coat. Main beam shall connect to the base with 4 urethane torsion rods and the formed torsion box 8 gage galvanized plate finished with baked on powder coat. The base shall be one piece all welded construction consisting of formed 8 gage galvanized plate, 2" square tubing and 14 gage end plates. Finished with baked on powder coat. The anchor post shall be one piece all welded construction consisting of 8 gage galvanized plate, 5" OD x 11 GA tube and 8 gage galvanized plate gussets. Finished with baked on powder coat. Step plate shall be 1/4" steel plate coated with PVC. Hardware shall be stainless steel and zinc coated button head cap screws, hex head cap screws, washers, nuts & barrel nuts.

BBB. Rock-n-ride, Flat Panel [Burke Basics] Panels shall be 3/4" co-extruded H.D.P.E. Seat panel shall be 1/2" co-extruded H.D.P.E. Mounting plates shall be 1/4" HR steel plate finished with a baked-on powder coating. Plate and mounting bracket shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Spring shall be 20mm OD spring steel finished with a baked-on powder coating. Spring anchor plate shall be DC04 grade cold rolled low carbon steel, formed and finished with a black baked on powder coat. Spacers shall be Nylon.

CCC. Rock-n-ride, Flat Panel 2 seats [Burke Basics] Panels shall be 3/4" co-extruded H.D.P.E. Seat, back and steering wheel panels shall be 1/2" co-extruded H.D.P.E. Base plate and mounting brackets shall be 1/4" HR steel plate finished with a baked-on powder coating. Plates shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Footrest shall be 3/16" stainless steel. Standoff shall be 1/2" OD threaded stainless steel tubing. Spring shall be 20mm OD spring steel finished with a baked-on powder coating. Spring anchor plate shall be DC04 grade cold rolled low carbon steel, formed and finished with a black baked on powder coat. Spacers shall be Nylon.

DDD. Rock-n-ride, Flat Panels on Frame [Burke Basics] Panels shall be 3/4" co-extruded H.D.P.E. Bottom plate shall be 1/4" HR steel plate finished with a baked-on powder coating. Frame shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing, 1/4" HR steel plate, 3/8" stainless steel T-nuts, 3/8" zinc plated steel flange nuts. Finished with a baked-on powder coating. Handle assembly shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized tubing and 3/8" stainless steel T-nuts. Finished with a baked-on powder coating. Spring shall be 20mm OD spring steel finished with a baked-on powder coating. Spring anchor plate shall be DC04 grade cold rolled low carbon steel, formed and finished with a black baked on powder coat. Spacers shall be Nylon.

EEE. RockIt Core Link [Burke Basics]

1. Core Beam - 2 3/8" OD x 10 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA galvanized steel plate. Finished with a baked-on powder coating.

2. U Channel Rope Connection - Weldment consisting of formed channels and 7 GA galvanized steel plate. Finished with baked on powder coat finish.

3. Core Rope Assembly - Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fiber, aluminum end connectors and ferrules with stainless steel screws.

4. Support Plate - 8 gage steel plate, finished with baked on powder coat finish.

5. Core Panel - 3/4" extruded HDPE.

FFF. RockIt Curved, Offset and End Panel assemblies [Burke Basics] 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Molded professional grade rock climbing hold with stainless steel washers attached with stainless steel bolts.

GGG. RockIt Curved Ladder [Burke Basics] Weldment consisting of 2 formed channels, 10 gage galvanized steel, and formed rungs, 1.029" OD tubing. Finished with a baked-on powder coat.

HHH. RockIt End Ladder [Burke Basics] Weldment consisting of formed channels, 10 gage galvanized steel, formed rungs, 1.029" OD tubing and formed 3/16" stainless steel attachment plate. Finished with a baked-on powder coat.

III. RockIt Lateral Link [Burke Basics] Weldment consisting of 1.029" OD x 14 GA galvanized tubing and 10 GA galvanized sheet. Finished with a powder coat finish.

JJJ. RockIt Odyssey Link [Burke Basics] Weldment consisting of formed 1.315" OD x 12 GA galvanized tubing and 10 GA galvanized sheet. Finished with a baked-on powder coat finish. U channels consisting of formed 10 GA Galv. Sheet, Finished with a baked-on powder coating.

KKK. RockIt Triple Ladder [Burke Basics] Weldment consisting of 3 formed channels, 10 gage galvanized steel, and formed rungs, 1.029" OD tubing. Finished with a baked-on powder coat.

LLL. RockIt Tunnel [Burke Basics]

1. Tunnel panel assemblies shall be1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded

in 3/8" T-nut inserts, and a textured surface. Molded professional grade rock climbing hold with stainless steel washers attached with stainless steel bolts.

2. Tunnel end support - Weldment consisting of formed channel, 10 gage galvanized steel, and 2.375" OD tubing. Finished with a baked-on powder coat finish.

3. Tunnel center support - Weldment consisting of 10 gage galvanized steel plate, and 2.375" OD tubing. Finished with a baked-on powder coat finish.

MMM. RockIt Z and U Posts [Burke Basics] Channel posts shall be formed channel, 10 gage galvanized steel. Finished with a baked-on powder coat. Cover plates shall be 10 gage galvanized steel plate. Finished with a baked-on powder coat. Anchor rods shall be 3/8" Diameter steel rod.

NNN. RockVenture CrissCross RR [Burke Basics] Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules. Brass Spacer shall be 7/16" OD X .028" wall thickness. Shim shall be black thermoplastic. Stainless steel button head cap screws.

OOO. RockVenture CrissCross RP and RockVenture CrissCross PP [Burke Basics] Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules. Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet and finished with a baked-on powder coating. Brass Spacer shall be 7/16" OD X .028" wall thickness. Shim shall be black thermoplastic. Stainless steel button head cap screws and washers.

PPP. RockVenture Rope Climbing Rock [Burke Basics] Rock shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of rock is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Internal framework shall consist of welded square structural steel tubing with rebar reinforcements. Integrated rectangular tubing for lifting and anchoring shall be 7 GA low-carbon steel. Rope connection brackets shall be 8 GA galvanized steel plate.

QQQ. RockVenture Suspension Ladder [Burke Basics] Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules. Chain shall be galvanized 4/0 straight link coil chain. Anchor tube shall be 1.315” OD x 12 GA galvanized steel tubing. Brass Spacer shall be 7/16" OD X .028" wall thickness.

Shim shall be black thermoplastic. Stainless steel button head cap screws, nuts and washers.

RRR. RockVenture Traverse RR [Burke Basics] Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules. Brass Spacer shall be 7/16" OD X .028" wall thickness. Shim shall be black thermoplastic. Stainless steel button head cap screws.

SSS. RockVenture Traverse RP and RockVenture Traverse PP [Burke Basics] Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules. Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet and finished with a baked-on powder coating. Brass Spacer shall be 7/16" OD X .028" wall thickness. Shim shall be black thermoplastic. Stainless steel button head cap screws and washers.

TTT. RopeVenture Epic [Burke Basics] Ball connectors to be cast aluminum, finished with a baked-on powder coating. Tube framing consisting of 3/8" OD galvanized steel tubing with zinc-plated steel inserts, finished with a baked-on powder coating. 20 mm diameter and 22mm diameter polyamide (nylon) rope cable net with UV protection and one-piece compressed aluminum ball knots, hand finished. Rubber matting platforms. Anchor plates to be weldments consisting of galvanized 5/16" steel plate, 2 3/8" OD galvanized steel tubing with aluminum inserts, finished with a baked-on powder coating. Stainless steel hardware, shackle loops, cap holders and bolts. Yellow chromate finish steel anchors and fastening hardware. Molybdenum metal-free high-pressure anti-seize lubricating paste.

UUU. RopeVenture Link [Burke Basics] RopeVenture link bracket shall be one piece all welded construction consisting of a formed 3/16” stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. RopeVenture link net shall be 20 mm diameter polyamide (nylon) rope cable with UV protection. One-piece compressed aluminum ball knots, hand finished. Stainless steel shackle loops and galvanized steel clamps. Stainless steel hardware and stainless w/nylon 6/6 insert.

VVV. Ropeventure Revolv, Revolv Attachment Climbers [Burke Basics] Anchor tubes shall be 2 3/8” OD x 12 GA galvanized steel tubing, finished with a baked-on powder coat. Node caps shall be linear, low density, rotationally molded, UV stabilized polyethylene with double wall construction, with molded in 1/4" T-nut inserts, and a textured surface. Revolv base and top rings are one piece all welded construction consisting of 2 7/8” OD x 8 GA and 2 3/8” OD x 12 GA galvanized tubing, finished with a baked-on powder coat. The bottom and top attachment support are one piece all welded construction consisting of 2 3/8” OD and 1.9” OD x 11 GA

galvanized tubing, 8 GA galvanized plating, 1/4" clear zinc chromate coated HRS plating, and stainless-steel machined material, finished with a baked-on powder coat. The bottom and top vertical support are one piece all welded construction consisting of 2 3/8” OD galvanized tubing, and 8 GA galvanized plating, finished with a baked-on powder coat. The middle ring shall be one piece all welded construction consisting of 2 3/8” OD x 10 GA galvanized tubing, 8 GA galvanized plating, and 1/4” clear zinc chromate coated HRS plating, finished with a baked-on powder coat. Hardware is stainless steel. The net is rope consisting of 6 right hand, regular lay strands, closed around a synthetic fiber core, with polyester fibers connected with crimped aluminum end and cross connectors. Panels are 1/2” and 3/4" extruded HDPE. Climber frames are one piece all welded construction consisting of 8 GA and 10 GA galvanized steel plating, 2.375” OD x 10 GA and 12 GA galvanized steel tubing, and 1.315” OD x 12 GA galvanized steel tubing, finished with a baked-on powder coat. Bubble mirror HDPE assembly consisting of routed HDPE panels 1/2", polycarbonate bubble window with mirror finish, SS hardware. Clicker HDPE assembly consisting of routed HDPE panels 1/2", UHMW shaft supports and flapper, Nylon sprocket, bronze bushing, SS shaft, SS hardware. Hypno HDPE assembly consisting of routed HDPE panels 1/2", bronze bushing, SS shaft standoff, injection molded HDPE bolt covers, SS hardware. Raindrops HDPE assembly consisting of routed HDPE panels 1/2", Polycarbonate windows, SS balls, sealed ball bearings, injection molded HDPE bolt covers, SS hardware.

WWW. Ropeventure Sky5, Sky5XL [Burke Basics] Main and upper posts (XL) to be 5 1/2" OD galvanized steel tubing, finished with a baked-on powder coating. Post stub to be one-piece welded construction consisting of galvanized steel tubing and plate. Anchor plates to be galvanized steel plate, yellow chromate finish steel L-anchor bolts. Rubber shock ring, galvanized steel turnbuckles with PVC coating. Net assembly consisting of 20 mm diameter and 22 mm diameter, polyamide (nylon) rope cable with UV protection. Ball knots will be a one-piece compressed aluminum ball; hand finished. Galvanized steel and stainless-steel shackles and pins. Pane assembly of rubber matting and aluminum clamps. Yellow chromate finish steel, black oxide finish steel and stainless-steel hardware.

XXX. Ropeventure Sky5 Perch Seat [Burke Basics] Seat assembly shall consist of a rubber matting, with 1.5mm thick stainless steel reinforcement plate and stainless-steel hardware.

YYY. Ropeventure Vertex [Burke Basics] Ball connectors to be cast aluminum, finished with a baked-on powder coating. Tube framing consisting of 3/8" OD galvanized steel tubing with zinc-plated steel inserts, finished with a baked-on powder coating. 20 mm diameter and 22mm diameter polyamide (nylon) rope cable net with UV protection and one-piece compressed aluminum ball knots, hand finished. Rubber matting platforms. Anchors to be one-piece welded construction consisting of 2 3/8" OD X 12 Ga galvanized steel tubing with aluminum insert and an 8 GA galvanized steel plate finished with a baked-on powder coating. Stainless steel hardware, shackle loops, cap holders and bolts. Yellow chromate finish steel anchors

and fastening hardware. Molybdenum metal-free high-pressure anti-seize lubricating paste.

ZZZ. Rotating Sand Table [Burke Basics] Bearings shall be oil impregnated bronze. Tables shall be 3/4" extruded high-density polyethylene. Elbow shall be one piece all welded construction consisting of 12 GA galvanized steel plate, 1.900" OD x 11 GA galvanized steel tubing and 1/2" diameter HR steel rod finished with a baked-on powder coating. Funnel shall be linear, low density, rotationally molded, U.V. stabilized, polyethylene. Support post shall be one piece all welded construction consisting of 1.660" OD x SCH 80 galvanized steel pipe and 10 GA galvanized steel plates finished with a baked-on powder coating. Upper Support shall be one piece all welded construction consisting of 10 GA galvanized sheet steel, 2 3/8" OD x 3/16" wall steel tubing and a 3/8" zinc plated carriage bolt finished with a baked-on powder coating.

AAAA. Sand/Water Tables [Burke Basics] Connector plate shall be 12 GA steel plate with a baked-on powder coating. Panels shall be 3/4" extruded and co-extruded high-density polyethylene. Support post shall be one piece all welded construction consisting of 12 GA galvanized steel plate and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Spacer shall be 1/4" nylatron GS. Sand chute shall be an assembly consisting of 3/8" X 2" SS cap screws, 3/8" SS nuts, 3/8" SS flat washers, oil impregnated bronze bearings, 1/2" OD x .058" wall steel tubing, one piece all welded lower consisting of 1.900" OD x 11 GA galvanized steel tubing, 12 GA HRPO steel plate, & 10 galvanized steel plate, one piece all welded middle consisting of 2 3/8" OD x 12 GA galvanized steel tubing, 3/8" dia. HR steel round, 14 GA galvanized steel plate, & 1/4" HR steel plate, and one piece all welded upper consisting of 7 GA & 12 GA HRPO steel plate and 3/16" HR steel plate. Finished with a baked-on powder coating. Posts shall be assemblies consisting of 2 3/8" OD x 12 GA galvanized steel tubing, cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked-on powder coating. Sand dish shall be an assembly consisting of 1/8" & 1/4" aluminum plate, 1/8" rubber gasket, 16 GA stainless steel plate, stainless steel tubular rivets, 1 5/8" OD nylon knobs, 3/8" X 1 3/4" SS cap screw, and a one-piece welded construction consisting of 1/8" spun aluminum and 1/2" aluminum plate finished with a baked-on powder coating.

BBBB. Sand/Water Tables [Nucleus, Voltage, Little Buddies] at Ground Level shall attach to structures using mounting tubes which are attached to Sand Table panel with a Sand Dish assembled in it held up with support posts on the opposite ends of the panel.

1. Mounting tube [Nucleus, Voltage] shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 10 GA galvanized steel plate. [Little Buddies] shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, 10 GA galvanized steel plate and 3/4” x 1” HR steel. All finished with a baked-on powder coating.

2. Sand table end panel shall be 3/4" extruded high-density polyethylene.

3. Sand dish shall be an assembly consisting of 1/8" & 1/4" aluminum plate, 1/8" rubber gasket, 16 GA stainless steel plate, stainless steel tubular rivets, 1 5/8" OD nylon knobs, 3/8" X 1 3/4" SS cap screw, and a one-piece welded construction consisting of 1/8" spun aluminum and 1/2" aluminum plate finished with a baked-on powder coating.

4. Support post shall be one piece all welded construction consisting of 12 GA galvanized steel plate and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating

CCCC. Shadeplay Max Hip Shade [Burke Basics] the column shall be one piece welded construction consisting of 5" OD x 11or 5" OD x 7 GA galvanized steel tubing. ½" thick ASTM A36/A572 steel plate finished with a baked-on powder coating. Adapters shall be one piece welded construction consisting of 5" OD x 7 GA galvanized steel tubing. A36 steel pin finished with a baked-on powder coating. Ridge tube/rafter tubes shall be 5" OD x 11 or 5" OD x 7 GA galvanized steel tubing finished with a baked-on powder coating. Anchor template shall be 16 GA galvanized steel. Hip shade canopy shall be monofilament and tape construction high density polyethylene knitted shade fabric. Cast wire rope clamp shall be hot dipped galvanized cast rope clamp. Wire rope shall be ¼" OD 6x 19 IWRC EIPS galvanized steel. Rebar x 12" shall be #5 grade 60 carbon steel rebar. Stainless steel, hot dipped galvanized A325 structural hardware.

DDDD. Single Post ShadePlay Canopy [Burke Basics] Shade fabric shall be knitted of monofilament and tape construction high density polyethylene with Ultra Violet stabilizers. Attachment cables shall be .31" diameter vinyl covered galvanized cable with galvanized turnbuckle and will be pre-inserted into canopy hem. Canopy rafters and roof connectors shall each be one piece all welded construction of 1.660" OD, 1900" OD, 2 3/8" OD and/or 3 1/2" OD galvanized steel tubing finished with a baked-on powder coating. End cap shall be aluminum finished with a baked-on powder coating. Center post shall 5" OD x 7 GA galvanized steel tube with a baked-on powder coating finish.

EEEE. See Saw [Burke Basics] Rider shall be one piece all welded construction. Finished with a baked-on powder coating. Mounting plate shall be 1/4" HR steel finished with a baked-on powder coating. Spring casting shall be hot-dipped galvanized, grade 32510, malleable iron. Seat shall be cast aluminum alloy finished with a baked-on powder coating. Spring cover shall be EPDM Elastomer compound flexible tube. Spring shall be one piece all welded construction consisting of 13/16" OD spring steel and 3/4" diameter HR steel round finished with a black baked on powder coating.

1. Four-unit frame shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA galvanized steel tubing, 1/4" & 7 GA HR steel plate, and 1/2" dia. steel rod. Finished with a baked-on powder coating.

2. Two-unit frame shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA galvanized steel tubing, 1/4" & 7 GA HR steel plate, and 1/2" OD steel rod. Finished with a baked-on powder coating.

3. Four seat In-Line bottom frame shall be one piece all welded construction consisting of 3 1/2" OD x 11GA galvanized tubing, 1.315" OD x 12 GA galvanized tubing, 1/4" plate of hot rolled steel, 1 3/8" OD x .120 wall tubing and 14 GA galvanized plate. Finished with a baked-on powder coating.

4. Four seat In-Line top frame shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA galvanized steel tubing, 10 & 8 GA galvanized steel plate, 1 3/8" OD x .120 wall tubing and 1/2" OD steel rod. Finished with a baked-on powder coating.

FFFF. Snare Drum Element [Burke Basics] Drum, 15" shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Panel, snare drum element shall be 3/4" co-extruded HDPE. Post cap insert shall be 1/2" extruded HDPE. Post cap shall be 3/4" extruded HDPE. Formed end tube shall be one piece all welded construction consisting of 2.375" OD X 10 GA galvanized tubing, 14 GA galvanized sheet steel, and zinc plated steel inserts. Finished with a baked-on powder coat. Bracket w/ tab shall be one piece all welded construction consisting of formed 10 GA galvanized sheet steel and 8 GA galvanized sheet steel. Finished with a baked-on powder coat. Hardware package shall be stainless steel button head cap screws, nuts and washers.

GGGG. Spinetic [Burke Basics] Base shall be one piece all welded construction consisting of machined steel shafts zinc chromated and 5" OD X 7 GA galvanized steel tubing finished with a baked-on powder coating. Hub shall be one piece all welded construction consisting of 5.5" OD steel tubing zinc chromated, 1.315" OD X 12 GA galvanized steel tubing, and 8 GA galvanized steel sheeting finished with a baked-on powder coating. Center ring shall be one piece all welded construction consisting of 1.66" OD X 12 GA galvanized steel tubing and 8 GA galvanized steel sheeting finished with a baked-on powder coating. Center post shall be one piece all welded construction consisting of 5" OD X 7 GA galvanized steel tubing, 5.5" OD steel tubing zinc chromated, 8 GA galvanized steel sheeting, and 3/8-16 weld nuts finished with a baked-on powder coating. Bearings shall be heavy duty, precision thrust, sealed ball bearing. Top and bottom covers shall be HDPE. Rope assemblies shall be 16mm rope, aluminum end connectors and ferrules. Intensity shim package shall be black thermoplastic. Hardware package shall be stainless steel. Post cap, 5" OD (7GA) shall be machined aluminum cap. Finished with a baked-on powder coating. O-rings shall be a 70A Buna-N rubber. Brass spacer 7/16" OD X 1 ¼" shall be brass tube 7/16" OD X .028" wall. Speed limiter, volta spinner shall be an assembly consisting of a high torque low speed hydraulic motor with flow control valving, a stainless-steel motor coupling, a steel bracket, stainless steel set screws, zinc plated steel hardware, steel hydraulic fittings and hose ends.

HHHH. Stations [Burke Basics]

1. Discovery Station [Burke Basics] consists of fabricated 8 GA galvanized sheet steel finished with a baked-on powder coating, 10 GA galvanized steel plate finished with a baked-on powder coating, 1.90" OD X 11 GA galvanized steel tubing with SS threaded inserts finished with a baked-on powder coating, oil impregnated flanged bronze bearing, 3/4" co-extruded HDPE, .22" thick colored acrylic, 3/4" extruded HDPE, 1/2" extruded HDPE, 304/304L solid SS rod and stainless-steel hardware.

2. Exploration Station [Burke Basics] consists of 14 GA galvanized sheet steel finished with a baked-on powder coat, oil impregnated bronze bearing, 3/4" extruded HDPE, 3/16" thick G.E. Lexan, 3/4" co-extruded HDPE, 0.220" thick acrylic sheet, 1/2" extruded HDPE, an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface, 0.220" thick acrylic sheet, 1.029" OD X 14 GA galvanized steel tubing finished with a baked-on powder coat, one piece welded construction consisting of embossed 1.315" OD galvanized steel tubing and a threaded SS insert finished with a baked-on powder coat, one piece welded constructing consisting of formed 12 GA HRS finished with a dipped PVC coating, stainless steel hardware and warning stickers placed on a 14 GA galvanized steel powder coated plate.

3. Sensory Station [Burke Basics] consists of formed 10 GA galvanized sheet steel finished with a baked-on powder coating, oil impregnated bronze bearing, 3/4" extruded HDPE, an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface, mirrored finish stainless steel, .220" thick acrylic sheet, 3/4" co-extruded HDPE, 3/4" extruded HDPE, 1/2" extruded HDPE, 1.029" OD X 14 GA galvanized steel tubing finished with a baked-on powder coat, 1.315" OD x 12 GA galvanized steel tubing and 12 GA galvanized sheet steel finished with a baked-on powder coating, stainless steel hardware and an assembly consisting of 1/4" clear polycarbonate window, 1/4", 1/2" and 3/4" extruded HDPE, co-extruded HDPE all assembled together with stainless steel hardware.

IIII. Step Spot Pod [Burke Basics, Intensity, Nucleus] Pod top shall be formed 1/2" extruded HDPE. Pod bottom shall be 1/4" rotationally molded LLDPE. Pod support shall be all welded 2 3/8” OD X 12 GA galvanized steel tube, 8 GA galvanized steel plate, 3/8” nut inserts finished with a baked-on powder coating.

JJJJ. Step-Up [Burke Basics] Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Tops shall be formed 1/8" sheet steel with studs welded into place. PVC coated after fabrication.

KKKK. Swift Twist Spinner [Burke Basics] Split cover plate, insert knob and cover knob shall be extruded HDPE. Center post shall be one piece all welded construction consisting of 1.900" OD x 11 GA galvanized steel tubing and 1/4" HR steel plate. Finished with a baked-on powder coating. Bearings shall be heavy duty, precision thrust, sealed ball bearing. Bracket shall be one piece all welded construction consisting of 3 1/2" OD x 3/8" wall DOM steel tubing, 1/4" HR steel plate, and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Anchor shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 1 7/8" dia. solid steel round. Finished with a baked-on powder coating.

LLLL. Tom-Tom Drums Element [Burke Basics] Drum, 10” shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Panel, tom-tom drums element shall be 3/4" co-extruded HDPE. Post cap insert shall be 1/2" extruded HDPE. Post cap shall be 3/4" extruded HDPE. Formed end tube shall be one piece all welded construction consisting of 2.375" OD X 10 GA galvanized tubing, 14 GA galvanized sheet steel, and zinc plated steel inserts. Finished with a baked-on powder coat. Bracket w/ tab shall be one piece all welded construction consisting of formed 10 GA galvanized sheet steel and 8 GA galvanized sheet steel. Finished with a baked-on powder coat. Hardware package shall be stainless steel button head cap screws, nuts and washers.

MMMM. Touch & Play Drum Element [Burke Basics] Formed end tube shall be one piece all welded construction consisting of 2.375" OD X 10 GA galvanized tubing, 14 GA galvanized sheet steel, and zinc plated steel inserts. Finished with a baked-on powder coat. Post cap insert shall be 1/2" extruded HDPE. Post cap shall be 3/4" extruded HDPE. Bracket w/ tab shall be one piece all welded construction consisting of formed 10 GA galvanized sheet steel and 8 GA galvanized sheet steel. Finished with a baked-on powder coat. T-20, 3/8” tamper proof drive bit shall be heat treated S-2 alloy steel. Hardware package shall be stainless steel button head cap screws, nuts and washers. Touch and play drum element assembly shall be 3/4" co-extruded HDPE, 3/4" extruded HDPE, 1/2" extruded HDPE, stainless steel touch-sensors, commercial grade electronics, water-proof marine grade speaker, water-resistant rubber seals and foam gaskets & stainless-steel hardware.

NNNN. Touch & Play Guitar Element [Burke Basics] Formed end tube shall be one piece all welded construction consisting of 2.375" OD X 10 GA galvanized tubing, 14 GA galvanized sheet steel, and zinc plated steel inserts. Finished with a baked-on powder coat. Post cap insert shall be 1/2" extruded HDPE. Post cap shall be 3/4" extruded HDPE. Bracket w/ tab shall be one piece all welded construction consisting of formed 10 GA galvanized sheet steel and 8 GA galvanized sheet steel. Finished with a baked-on powder coat. T-20, 3/8” tamper proof drive bit shall be heat treated S-2 alloy steel. Hardware package shall be stainless steel button head cap screws, nuts and washers. Touch and play guitar element assembly shall be 3/4" co-extruded HDPE, 3/4" extruded HDPE, 1/2" extruded HDPE, stainless steel touch-

sensors, commercial grade electronics, water-proof marine grade speaker, water-resistant rubber seals and foam gaskets & stainless-steel hardware.

OOOO. Touch & Play Piano Element [Burke Basics] Formed end tube shall be one piece all welded construction consisting of 2.375" OD X 10 GA galvanized tubing, 14 GA galvanized sheet steel, and zinc plated steel inserts. Finished with a baked-on powder coat. Post cap insert shall be 1/2" extruded HDPE. Post cap shall be 3/4" extruded HDPE. Bracket w/ tab shall be one piece all welded construction consisting of formed 10 GA galvanized sheet steel and 8 GA galvanized sheet steel. Finished with a baked-on powder coat. T-20, 3/8" tamper proof drive bit shall be heat treated S-2 alloy steel. Hardware package shall be stainless steel button head cap screws, nuts and washers. Touch and play drum element assembly shall be 3/4" co-extruded HDPE, 3/4" extruded HDPE, 1/2" extruded HDPE, stainless steel touch-sensors, commercial grade electronics, water-proof marine grade speaker, water-resistant rubber seals and foam gaskets & stainless-steel hardware.

PPPP. Treasure Chest [Burke Basics] Manufactured from Glass Fiber Reinforced Concrete (GFRC). Base concrete shall be minimum compressive strength of 4,000 psi. Glass fiber is Alkali Resistant (AR) type glass formulated for concrete. Material thickness shall be approximately 1". Finished and colored with a UV resistant, non-fading acrylic vinyl paint. Anchor is 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating attached with stainless steel hardware.

QQQQ. Tri-Rider [Burke Basics] Casting shall be hot-dipped galvanized, grade 32510, malleable iron. Mounting plate shall be 1/4" HR steel plate finished with a baked-on powder coating. Spring cover shall be EPDM Elastomer compound flexible tube. Spring shall be one piece all welded construction consisting of 13/16" OD spring steel and 3/4" diameter HR steel round finished with a black baked on powder coating. Tri-rider frame shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA galvanized steel tubing, 1/4" HR steel plate, and 7 GA HR steel plate. Finished with a baked-on powder coating. Panels shall be 3/4" co-extruded H.D.P.E. Seat frame shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing, 1/4" HR steel plate, 3/8" stainless steel T-nuts, 3/8" zinc plated steel flange nuts. Finished with a baked-on powder coating. Handle shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized tubing and 3/8" stainless steel T-nuts. Finished with a baked-on powder coating.

RRRR. Triple Drum Table, Single Drum Table [Burke Basics] Panel shall be 3/4" extruded HDPE. Drums shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Support post shall be one piece all welded construction consisting of 12 GA galvanized steel plate and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

SSSS. Turtle Top [Burke Basics] Sand box cover system.

1. Post shall consist of 1/4" wall cast aluminum cap, one-piece weldment consisting of 5" OD x .120" wall galvanized tubing, 12 GA galvanized sheet, 7 GA HRPO sheet and 1/4 " HRS Plate, finished with a baked-on powder coating. Vinyl identification label shall be applied to one post.

2. Cover plate assembly shall be one-piece weldment consisting of 11 GA galvanized steel & 3/8 diameter HRS Round, finished with a baked-on powder coating. Wool/ rayon felt assembled on back.

3. Counter weight system shall consist of; counter weight, one-piece weldment consisting of 12 GA galvanized sheet steel & 2" RD HR, finished with a baked-on powder coating; 3 1/16" OD X 3/8" ID pulley and 3/8" SHAFT COLLAR, both zinc plated steel; and a cable assembly consisting of zinc plated copper sleeve, hot dipped galvanized steel thimble & 1/8" diameter galvanized wire rope. Cable restraint shall be 3/4" extruded HDPE.

4. Turtle Top Shade Canopy shall be monofilament and tape construction high density polyethylene knitted shade fabric

5. Canopy frame shall be 1 1/2" square aluminum tube finished with a baked-on powder coating, corner assembly weldment consisting of 14 GA. galvanized sheet metal finished with a baked-on powder coating and formed canopy support tubes made from 1.029” OD galvanized tubing.

6. Canopy frame attachments shall be 3/8 Stainless steel rod, 1" Diameter UHMW stand off and 1/2" ID CPVC Pipe sleeve.

7. 8" X 4' STONE BORDER W/ 30" DRIVE PIN: 1/8" thick, linear, low density, recycled polyethylene with double wall construction and a textured outside surface. Drive Pins: 3/4" dia. galvanized steel.

TTTT. Verve Climbers, Verve XS Climbers [Burke Basics, Synergy] Climbers are one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 1.315" OD x 14 GA galvanized steel tubing. Finished with baked on powder coat. Connectors are one piece all welded construction consisting of 10 GA galvanized steel plate and 2 3/8" OD x 12 GA galvanized steel tubing, 2 3/8" OD X 12 GA galvanized steel swaged tubing, and 1.315" OD x 14 GA galvanized steel tubing. Finished with baked on powder coat. Hardware shall be stainless steel screws and barrel nuts.

UUUU. Volito, Volito Add-On Bay [Burke Basics] Rope shall consist of 16mm diameter polyamide (nylon) rope cable with UV protection. Aluminum end connectors & ferrules and stainless-steel ferrules. Swaged posts shall be 3 ½" OD x 11GA galvanized steel tubing finished with a baked-on powder coating. Swing Arch shall be one piece all welded construction consisting of 3 ½" OD x 11 GA galvanized steel tubing, machined stainless steel and baked on powder coat. [Add-on] Leg, Volito add-on bay shall be one piece all welded construction consisting of 3 1/2" OD x 11 GA galvanized steel tubing, 1.029" OD x 14 GA galvanized steel tubing and 10

GA galvanized steel plate. Finished with a baked-on powder coat finish. Rod and swing pivot consist of stainless steel. Brass spacer made from brass 7/16" OD X .028" wall brass tube. Swing Dish consisting of formed steel with a powder coated finish and a rubber bumper with cast aluminum connectors and stainless-steel hardware. Swing pivots consisting of machined stainless steel finished with a baked-on powder coating. Bearings consisting of oil impregnated bronze.

VVVV. Volta Inclusive Spinner [Burke Basics] Bearing shall be heavy duty, precision thrust, sealed ball bearing. Plastic spinner top is linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Textured outside surface. Spinner base is one piece all welded construction consisting of 3 1/4" OD DOM steel tubing, 1/4" & 7 GA HR steel plate, and 2 3/4" dia. steel round with e-coat plating. Finished with a baked-on powder coat. Spinner support frame is one piece all welded construction consisting of 5 1/2" OD x 3/8" wall DOM steel tubing hub with 1.9" OD galvanized steel support arms, 8 GA mounting plate, 12 GA mounting plate, and 12 GA preventative plate, finished with a baked-on powder coating. Speed limiter shall be an assembly consisting of a high torque low speed hydraulic motor with flow control valving, a stainless-steel motor coupling, a steel bracket, stainless steel set screws, zinc plated steel hardware, steel hydraulic fittings and hose ends.

WWWW. Wobbly Web, Freestanding [Burke Basics] Rope assembly, wobbly web shall be rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules with stainless steel screws. Plate, 10GA, 7.125 OD w/6 holes shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Panels shall be 3/4" extruded and co-extruded H.D.P.E. U-Bolt, 1/2"-13 x 3” SS shall be stainless steel. Hardware package shall be stainless steel screws, nuts & washers and bronze bushings.

XXXX. Wobbly Web Post [Burke Basics] Weldment, wobbly web post shall be one piece all welded construction consisting of 10 GA galvanized steel plate and a 5" OD X 7GA post, finished with a baked-on powder coating. Panel, 9” OD w/3 CB shall be 3/4" extruded H.D.P.E. U-Bolt, 1/2"-13 x 3” SS shall be stainless steel. Hardware package shall be stainless steel screws, nuts & washers.

YYYY. Zipventure 100ft [Burke Basics] Anchor Arch shall be ½” steel plate, zinc plated and 5” OD x 11 GA galvanized steel tubing. Finished with a baked-on powder coating. Anchor Arch Support will be made of 5” OD x 11 GA galvanized steel tubing. Finished with a baked-on powder coating. Top and Curved Ramps are one piece all welded construction consisting of 12 GA and 7 GA HRPO sheet steel. Finished with PVC coating. Entrance Ramp shall be made of 7 GA HRPO steel sheet. Finished with PVC coating. Trolley Pendulum shall be 11 GA galvanized sheet steel. Finished with a baked-on powder coating. Trolley Chain Cover will be made of EPDM rubber. Zip Line Seat shall be EPDM rubber and galvanized sheet steel. Clevis Shackle w/Bolt consists of 5/16” galvanized steel shackle with a 3/8” x 1 ½”

bolt Wire Rope made of Galvanized steel wire rope with one end swaged into a loop around a heavy-duty galvanized thimble. Zip Line Brake and Bumper made of Stainless steel, EPDM rubber and PVC plastic. Turnbuckle and Trolley Center Links made of machined aluminum. Zip Line Tensioning Kit consists of steel come-along with yellow dichromate and bright zinc finishes and polyester webbing. Bronze Bearing consists of oil-impregnated bronze. Spherical Bearing made of alloy steel, heat treated, hard chrome plated. PTFE liner. Side Climber shall be 2.375” OD x 10 GA galvanized steel tubing and 1.315” OD x 12 GA galvanized steel tubing. Finished with baked on powder coating. Threaded Inserts are 1 3/8” OD HDPE Plastic. Short and Long Posts made of 2.375” OD x 10 GA galvanized steel tubing. Finished with a baked-on powder coating.5/8” Eye Bolt is alloy steel finished with zinc plating. Pendulum Casting made of galvanized plated, grade 32510, malleable iron. Headless Pin and Wire Clips are galvanized steel. Covers and Platform Tread made from ½” extruded HDPE. Galvanized Chain shall be 3/8” diameter, 4/0 straight coil chain. Rope Pulley Consists of stainless steel and sealed bearings. Ground Shaft stainless steel. Hardware shall be stainless steel fasteners, galvanized alloy steel, black vinyl.

ZZZZ. ZipVenture Freedom & ZipVenture Duo [Burke Basics] Crossbar arch shall be one-piece welded construction consisting of zinc plated 1/2" steel plate, and 5" OD X 11 GA galvanized steel tubing finished with a baked-on powder coating. Front leg shall be one-piece welded construction consisting of 5" OD X 11 GA galvanized steel tubing finished with a baked-on powder coating. The seat support shall be one-piece welded construction consisting of 1/2" and 3/8" machined carbon steel plates with a zinc chromate corrosion protective coating and 1.900" OD X 11 GA galvanized steel tubing finished with a baked-on powder coat. The platform supports shall be one-piece welded construction consisting of 5" OD X 11 GA galvanized steel tubing, 8 GA galvanized steel plate and 1/4" HRPO steel plate with a zinc chromate corrosion protective coating all finished with a baked-on powder coat. The platforms shall be constructed with 12 GA HRPO steel finished with a PVC coating. The chain shall be 4/0 chain finished with a PVC coating. Trolley Chain Cover will be made of EPDM rubber. Zip Line Seat shall be EPDM rubber and galvanized sheet steel. Clevis Shackle w/Bolt consists of 5/16” galvanized steel shackle with a 3/8” x 1 ½” bolt Wire Rope made of Galvanized steel wire rope with one end swaged into a loop around a heavy-duty galvanized thimble. Zip Line Brake and Bumper made of Stainless steel, EPDM rubber and PVC plastic. Turnbuckle and Trolley Center Links made of machined aluminum. Zip Line Tensioning Kit consists of steel come-along with yellow dichromate and bright zinc finishes and polyester webbing. Bronze Bearing consists of oil-impregnated bronze. Spherical Bearing made of alloy steel, heat treated, hard chrome plated. PTFE liner. Eye Bolt is alloy steel finished with zinc plating. Pendulum Casting made of galvanized plated, grade 32510, malleable iron. Headless Pin and Wire Clips are galvanized steel. Covers are made from ½” extruded HDPE. Galvanized Chain shall be 3/8” diameter, 4/0 straight coil chain. Rope Pulley Consists of stainless steel and sealed bearings. Ground Shaft stainless steel. Hardware shall be stainless steel fasteners, galvanized alloy steel, black vinyl.

2.07 Burke Basics – Park & Site Amenities

A. Benches [Burke Basics]

1. Seats and Backs
    a. Wood: #1 natural finish Southern Yellow Pine -OR- #1 natural finish Southern Yellow Pine pressure treated with Alkaline Copper Quaternary (ACQ) preservative to 0.25 pcf retention level, kiln dried after treatment - OR- Maple [4/4, Grade: Select or better].
    b. Punched Steel/Park Bench: One-piece all welded construction consisting of 14 GA HRPO steel. PVC coated after fabrication.
    c. Insignia Bench Back Plate: Sheet steel finished with a baked-on powder coating.
    d. Aluminum: 6063-T extruded anodized aluminum.
    e. Recycled Plastic: 100% post consumer, high-density polyethylene plastic with U.V. light inhibitors.
2. Legs
    a. Super Strong Bench Leg: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 galvanized steel sheet. All welds painted with a cold galvanize compound.
    b. Contour Bench Leg: One piece all welded construction consisting of 3/8" X 4" HRS steel and 2" x 2" x .125" wall square steel tube. Finished with black baked-on outdoor enamel.
    c. Multi-Use Bench Leg: One piece all welded construction consisting of 3/8" X 4" HRS steel and 2" x 2" x .125" wall square steel tube. Finished with black baked-on outdoor enamel.
    d. Traditional Bench Leg: One piece all welded construction consisting of 3/8" X 4" HRPO steel, leg support 2" x 2" x .125 wall square steel tube. Finished with black baked-on outdoor enamel.
    e. PVC Backless Bench Leg: One piece, all welded construction, consisting of 2.375” OD x 12 GA steel tubing and sheet steel. Finished with baked on powder coating.
3. Memorial Plate
    a. Memorial plate shall be 16 GA stainless steel.
    b. PVC back with plate shall be one piece all welded construction consisting of 14 GA HRPO steel. PVC coated after fabrication.
4. Novo Bench with Back, Portable Novo Bench with Back: Seat and back panel are 3/4" extruded HDPE plastic. Bench slats are one piece all welded construction consisting of 10 GA galvanized sheet steel and galvanized hex nuts. Finished with a baked-on powder coating. Anchor is one piece all welded construction consisting of 2 3/8" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Bench weldment is one piece all welded construction consisting of 8 GA and 10 GA galvanized steel plate, 2.375" OD x 10 GA galvanized steel tubing, and 1.900" OD x 11 GA galvanized steel tubing. Finished with a baked-on powder coating. Hardware is stainless steel.

B. Bike Racks [Burke Basics]

1. Contemporary: 2 3/8" OD x 12 GA galvanized steel tubing. Optional finish with a baked-on powder coating.

2. Double Face Extra Heavy Duty: T-fitting shall be a formed 12 GA galvanized steel plate. Base flange shall be hot-dipped galvanized, grade 32510, malleable iron. Bracing and legs shall be 1.660" OD x 13 GA galvanized steel tubing. Rack shall be an assembly consisting of 1.660" OD x 13 GA galvanized steel tubing, 11/16" OD x SCH 40 galvanized steel tubing, and steel rivets.

3. Double Face Heavy Duty: Plug shall be hot-dipped galvanized, grade 32510, malleable iron. Spokes shall be 11/16" OD x SCH 40 galvanized steel tubing. Frame shall be 1.660" OD x 13 GA galvanized steel tubing.

4. Novo BikeRack: Anchor is one piece all welded construction consisting of 2 3/8" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Bike rack frame is one piece all welded construction consisting of 2 3/8" OD X 12 GA galvanized steel tubing, 1.315" OD X 12 GA galvanized steel tubing, and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Hardware shall be stainless steel screws, washers, and nuts.

5. Single Face Extra Heavy Duty: T-fitting shall be a formed 12 GA galvanized steel plate. Base flange and plug shall be hot-dipped galvanized, grade 32510, malleable iron. Bracing and legs shall be 1.660" OD x 13 GA galvanized steel tubing. Rack shall be an assembly consisting of 1.660" OD x 13 GA galvanized steel tubing, 11/16" OD x SCH 40 galvanized steel tubing, and steel rivets.

C. Grills [Burke Basics] Post shall be 2 3/8" OD x 12 GA galvanized steel tubing. Firebox shall be one piece all welded construction box consisting of 7 GA HRPO sheet steel and a malleable iron casting mount or 2 7/8” OD x 8 GA galvanized steel tubing. Grill shall be one piece all welded construction consisting of 1/2" steel rod and zinc plated spring handles. Finished with a baked-on powder coating.

D. Litter Container [Burke Basics] Liner shall be plastic. Permanent support shall be one piece all welded construction consisting of 1.660" OD x 13 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Portable support shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Frame shall be one piece all welded construction consisting of 10 GA galvanized steel plate, 1/8" HR steel plate, 3/8" dia. HR steel round. Finished with a baked-on powder coating.

1. Redwood slats shall be clear sapwood.

2. Plastic slats shall be 100% recycled post-consumer, high-density polyethylene plastic with U.V. inhibitors.

3. Pine slats shall be #1 natural finish Southern Yellow Pine pressure treated with Alkaline Copper Quaternary (ACQ) preservative to 0.25 pcf retention level, kiln dried after treatment.

E. Litter Container, PVC [Burke Basics] shall be one piece all welded construction consisting of 14 GA HRPO steel. PVC coated after fabrication. Thirty-two-gallon Liner shall be plastic. Permanent support shall be one piece all welded construction consisting of 1.660" OD x 13 GA galvanized steel tubing and 10 GA galvanized steel plate and finished with a baked-on powder coating. Cover choices consist of the following below.

1. Plastic Dome Cover shall be made of linear, low density, U.V. stabilized polyethylene and has a smooth outside surface.

2. Metal Dome Cover shall consist of one piece with hinged door constructed from galvanized steel. Powder coat finish after fabrication.

3. PVC Flat Cover shall consist of one piece all welded construction consisting of 10 GA HRPO steel. PVC coated after fabrication.

F. Novo Litter Container, Stationary and Portable [Burke Basics] Shell shall be one piece all welded construction consisting of 14 GA galvanized sheet, 12 GA galvanized sheet, and 1.315" OD X 12 GA galvanized tube. Finished with a baked-on powder coating. Support shall be one piece all welded construction consisting of 1.660" X 13 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Litter container frame shall be one piece all welded construction consisting of 1.900" OD X 11 GA formed galvanized tubes and 1.660" X 12 GA galvanized tubes. Finished with a baked-on powder coating. Liner, 32 gallons shall be plastic. Press fit feet shall be round plastic press fit or black plastic.

1. Dome Cover, metal shall be all one piece with hinged door constructed from galvanized steel. Powder coat finish after fabrication.

2. Flat Cover, PVC shall be one piece all welded construction consisting of 10 GA HRPO steel. PVC coated after fabrication.

3. Dome Cover, Plastic shall be made of linear, low density, U.V. stabilized polyethylene and has a smooth outside surface.

G. Picnic Tables [Burke Basics]

1. Seats and Table Tops
    a. Wood: #1 natural finish Southern Yellow Pine -OR- #1 natural finish Southern Yellow Pine pressure treated with Alkaline Copper Quaternary (ACQ) preservative to 0.25 pcf retention level, kiln dried after treatment.

b. Punched Steel/Park: One piece all welded construction consisting of 14 GA HRPO steel. PVC coated after fabrication.
c. Novo seat: One piece all welded construction consisting of 1.315" OD x 14 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked-on powder coating. Stainless steel hardware.
d. Novo table: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked-on powder coating. Stainless steel hardware.
e. Recycled Plastic: 100% post-consumer, high-density polyethylene plastic with U.V. light inhibitors.

2. Legs
   a. Tot, Wood, Recycled plastic:10 GA galvanized sheet steel angles, 1.315" OD x 14 GA galvanized steel tubing support brace, 1 1/2" X 1 1/2" X 1/4" HRS angle [RECYCLED ONLY] and 1.660" OD x 13 GA galvanized steel tubing leg [REGULAR], or 2.375" OD x 12 GA galvanized steel tubing [HEAVY DUTY].
   b. Sit-A-Round Leg: One piece all welded construction consisting of 2.375" OD x 12 GA steel tubing, and sheet steel. Finished with a baked-on powder coating.
   c. Pedestal: One piece all welded construction consisting of 3 1/2" OD x 11 GA galvanized steel tubing, 2 3/8" OD x 10 GA galvanized steel tubing, and 10 GA galvanized steel plate. All welds painted with a cold galvanize compound.
   d. PVC/Park Frame Leg: One piece all welded construction consisting of 2.375” OD x 12 GA steel tubing and sheet steel. Finished with a baked-on powder coating.
   e. Novo arc bench seat: One piece all welded construction consisting of 3 1/2" OD x 8 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked-on powder coating.
   f. Novo table top: One piece all welded construction consisting of 5" OD x 11 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked-on powder coating.

H. Square Pedestal Table [Burke Basics] 1900 HDPE pipe cap shall be ¾” extruded HDPE. Single post table support shall be, one piece all welded construction consisting of 5” OD x 7 GA. 1900” OD x 11 GA, 1.315” OD X 12 GA galvanized steel tubing, 8 GA galvanized steel plate, ¼” HRS plate with a zinc chromate finish all finished with a baked-on powder coating. Single post seat support shall be, one piece all welded construction consisting of 2 3/8” OD x 10 GA and 1.315” OD X 12 GA galvanized steel tubing and 8 GA galvanized steel plates finished with a baked-on powder coating. Hardware shall be stainless steel. Traditional PVC Sit-A-Round table top and seat shall be, one piece all welded construction consisting of 14 GA HRPO steel, PVC coated after fabrication.

I. Sanitizer Station [Burke Basics] consists of 10 GA galvanized sheet steel finished with a baked-on powder coating, 12 GA galvanized sheet steel finished with a baked-

on powder coating, 2.375" OD X 12 GA galvanized steel tubing with stainless steel inserts finished with a baked-on powder coating, 3/4" co-extruded HDPE, one-piece welded construction consisting of 14 GA galvanized sheet steel finished with a baked-on powder coating and an adhesive backed label and stainless-steel hardware.

J. Stone Border Ramp [Burke Basics] Ramp shall be an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. Drive Pins shall be 3/4" dia. galvanized steel. Plate shall be 12 GA galvanized steel plate with a PVC coated finish. Plugs shall be 13/16" plastic hole plugs.

K. Stone Borders [Burke Basics] Stone Borders shall be 1/8" thick, linear, low density, recycled polyethylene with double wall construction and a textured outside surface. Drive Pins shall be 3/4" dia. galvanized steel.

2.08 Burke Basics – Sports

A. Backboards [Burke Basics]

1. Fan shaped: Backboard shall be one piece all welded construction consisting of regulation size 38" x 54" x 10 GA steel sheet, 1/4" x 1 1/4" steel perimeter, and 10 GA bracing. Primed and finished with a baked-on powder coat on the front side. Coated with a sound-deadening rust inhibitor on the back side.

2. Rectangular: Backboard shall be one piece all welded construction consisting of 4' x 6' x 12 GA steel sheet with a 1 1/2" reinforced perimeter and 12 GA channel braces. Primed and finished with a baked-on powder coat on the front side. Coated with a sound-deadening rust inhibitor on the back side.

3. Frame: One piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.900" OD x 11 GA galvanized steel tubing, 3/8" dia. HR steel round, and 1/4" HR steel plate. Finished in a baked-on powder coat.

4. Post: One piece all welded construction consisting of 4 1/2" OD x sch. 40 galvanized steel pipe, 1/4" HR steel plate, and 1 1/2" x 1 1/2" x 1/4" HR steel angle.

5. Post: One piece all welded construction consisting of 5 9/16" OD x sch. 40 galvanized steel pipe, 1/4" HR steel plate, and 1 1/2" x 1 1/2" x 1/4" HR steel angle.

B. Funnel Ball [Burke Basics] Center post shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 1/4" galvanized steel plate. All welds painted with a cold galvanize compound. Boxed funnel ball consists of a pre-assembled funnel ball unit manufactured of rotationally molded polyethylene, no less than .250" thick and UV-stabilized; stainless steel hardware; 3/8" dia. HRS round anchor rod; hex allen wrench; and game booklet.

C. Gaga Pits [Burke Basics] Wall panels shall be 3/4” extruded HDPE. Entrance and custom wall panels shall be 3/4” co-extruded HDPE. Post shall be one piece all welded construction consisting of 10 GA and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Security cable shall be 1/8” diameter stainless steel cable, with 1/4" ID stainless steel eye fittings and stainless-steel hardware.

D. Pipe Sleeve [Burke Basics] 2 1/2" OD sleeve cap shall be brass. Anchor rod shall be 11/16" OD x SCH 40 galvanized steel pipe. Sleeve shall be one piece all welded construction consisting of 2 3/4" OD x .120" wall black steel tubing, 10 GA HR steel plate, and steel coupling. Finished with a baked-on powder coating. Wrench shall be one piece all welded construction consisting of 3/8" dia. HR steel round and 7 GA HR steel plate. Finished with a baked-on powder coating.

E. P6Ball [Burke Basics] P6Ball housing and P6Ball Post adapter made out of ¾” extruded HDPE. Rope assembly, P6Ball, 16mm rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules with stainless steel threaded rods and screws. P6Ball rail, one piece, all welded construction consisting of 1.900” OD X 11 GA and 3/16” stainless steel plate. Finished with a baked-on powder coating. Hardware, stainless steel; nylon washers. P6Ball rules, full color graphic printed on metal, adhered to 3 mm DiBond. Brass spacer 7/16” OD X 1 ¼”, Brass Tube 7/16” OD X .028” Wall.

F. Soccer Goals [Burke Basics] Brace pipe 2 3/8" OD x 12 GA galvanized steel tubing. Top beam shall be 4" SQ x 1/8" wall steel tubing finished with a baked-on powder coating. Anchor rods shall be 1/2" dia. HR steel rod. Uprights shall be one piece all welded construction consisting of 4" SQ x 1/8" wall steel tubing, 14 GA galvanized steel plate and 2 7/8" OD x 8 GA galvanized steel tubing. Finished with a baked-on powder coating.

G. Tetherball [Burke Basics] Anchor rod shall be 3/8" dia. HR steel round. Tetherball shall be an 8" diameter ball with a nylon rope. Post shall be an assembly consisting of a one piece all welded center post consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate, and zinc plated steel hardware.

H. Volleyball Posts [Burke Basics] Anchor rod shall be 3/8" dia. HR steel round. First post shall be an assembly consisting of zinc plated steel hardware and a one piece all welded post consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate finished with a baked-on powder coating. Second post shall be an assembly consisting of zinc plated steel hardware, 3/8" diameter 4/0 straight coil chain, zinc plated S-hook, zinc plated pull ring, 1/8" HR steel channel, 2 3/8" OD x 12 GA & 1.315" OD x 14 GA galvanized steel tubing, and a one piece all welded post consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate finished with a baked-on powder coating.

2.09 Climbers and Ladders

A. Active Apex Climber [Intensity, Nucleus] Supports shall be one piece all welded construction consisting of 2.375" OD x 10 GA galvanized steel tubing, and 10 GA galvanized sheet steel finished with a baked-on powder coating. Climber panel shall be 10 GA galvanized sheet steel finished with a baked-on powder coating or 3/4" extruded HDPE. Rock holds are molded professional grade rock climbing holds with stainless steel washers.

B. Amped Climbers [Nucleus, Synergy, Voltage] Climber shall be linear, low density, rotationally molded, U.V. stabilized, polyethylene, .250" thick double wall construction with molded in 3/8" T-nut inserts and textured surface. Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Mounting bracket shall be one piece all welded construction consisting of 8 GA galvanized steel plate. Finished with a baked-on powder coating. Supports shall be weldment consisting of 1.660" OD formed tube, 10 GA galvanized steel plates and 1.315" OD formed tube supports. Finished with baked-on powder coat. Step shall be 3/4" extruded HDPE.

C. Airplane Tail Climber [Nucleus] shall be an assembly consisting of 3/4" co-extruded HDPE. Attachment plate shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Tail climber supports shall be one piece all welded 1.315" OD tubing w/ 10 GA sheet steel finished with a baked-on powder coating. Stainless steel hardware.

D. Agile Canyon Rope Climber [Intensity, Nucleus] Agile Canyon Rails shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Agility Arc w/1 Tab shall be one piece all welded construction consisting of formed 1.900" OD x 11 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

E. Apex Arch 2-5, Hole 2-5 [Nucleus, Synergy, Intensity] Arch shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 1.315 OD x 14 GA & 1.900" OD X 11 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA and 10 GA galvanized steel plate. Bracket rope connection shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Panels shall be 3/4" Extruded HDPE. Hardware packages shall be stainless steel.

F. Apex Ellipse Climber [Nucleus, Intensity] Arch shall be one piece all welded construction consisting of formed 3 ½" OD x 11 GA, 2 3/8" OD x 10 GA & 1.315

OD x 12 GA galvanized steel tubing, formed 7 GA stainless steel sheet and 10 GA galvanized steel plates, finished with a baked-on powder coating. ¾" Extruded HDPE panels. Stainless steel hardware.

G. Apex Rope Climber [Nucleus, Synergy, Intensity] Arch shall be one piece all welded construction consisting of formed 3 ½" OD x 11 GA, 2 3/8" OD x 10 GA & 1.315 OD x 12 GA, & 1.900" OD X 11 GA galvanized steel tubing, formed 7 GA stainless steel sheet and 7 GA and 8 GA galvanized steel plates, finished with a baked-on powder coating. Post bracket is a one piece all welded construction consisting of 3/16" stainless steel plate and 8 GA galvanized steel sheet, finished with a baked-on powder coating. Rope net assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place. Stainless steel hardware, 7/16" OD brass spacers and black thermoplastic shims.

H. Apex Wave Climber [Nucleus, Intensity] Arch shall be one piece all welded construction consisting of formed 3 ½" OD x 11 GA, 2 3/8" OD x 10 GA & 1.315 OD x 12 GA galvanized steel tubing, formed 7 GA stainless steel sheet and 10 GA galvanized steel plates, finished with a baked-on powder coating. Post bracket is a one piece all welded construction consisting of 3/16" stainless steel plate and 8 GA galvanized steel sheet, finished with a baked-on powder coating. ¾" Extruded HDPE panels. Stainless steel hardware.

I. Apex Net 2-5, Rope 2-5 [Nucleus, Synergy, Intensity] Arch shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 1.315 OD x 14 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules. Rope net assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place. Bracket rope connection shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and a 8 GA galvanized steel sheet. Finished with a baked-on powder coating.

J. Ascend Rock Climber [Nucleus, Synergy, Voltage, Little Buddies] Panels shall be manufactured of 3/4" extruded high-density polyethylene. Support, ascend rock climber shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 10 GA galvanized steel cap. Tube, 1.029" OD X 14 GA X 17 ½" shall be formed from galvanized steel tubing of at least 1.029" OD x 14 GA wall. Climber enclosure shall be ¾" co-extruded HDPE, climber transition strip shall be ½" extruded HDPE and tube, panel mounting shall be 1 ¾" SQ X 32"; 1 ¾" SQ X 12 GA galvanized steel tubing. Rock Climbing Holds shall be manufactured of

polyester resin. Support Posts, rungs and plates shall be fabricated of 1.315” OD x .08” wall, 1.029 OD x .07 wall galvanized steel tube or 10 GA galvanized steel plate or formed from galvanized steel tubing of at least 1.029" OD x 14 GA wall. Finished with a baked-on powder coating after fabrication.

K. Atom Climber [Nucleus, Synergy, Voltage] Climber shall be one piece all welded construction consisting of 1.660" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing finished with a baked-on powder coating. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾” co-extruded HDPE, climber transition strip shall be ½” extruded HDPE and tube, panel mounting shall be 1 ¾” SQ X 32”; 1 ¾” SQ X 12 GA galvanized steel tubing.

L. Arched Rope Climber [Nucleus, Voltage] Arched Rope Climber Rails shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Rope Climber Support Bracket shall be one piece all welded construction consisting of 10 GA and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

M. Beta Climber [Synergy] One-piece welded construction consisting of 1.900" OD X 11 GA galvanized steel tubing, 1.315" OD X 12 GA galvanized steel tubing and an 8 GA galvanized steel plate finished with a baked-on powder coating and stainless-steel hardware.

N. Board Climber [Nucleus, Voltage] Climber shall be an assembly consisting of support rails that are one piece all welded construction of 12 GA steel plates and gussets PVC coated after fabrication. Boards shall be 100% recycled post-consumer, high-density polyethylene plastic with U.V. inhibitors.

O. Cargo Net Climber [Nucleus, Voltage] Climber shall be an assembly consisting of 1.029" OD x 14 GA galvanized steel tubing welded to 4/0 straight link coil chain, steel bolts, and steel nuts. PVC coated after fabrication. Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing. Handrail shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and stainless-steel threaded steel insert. Finished with a baked-on powder coating.

P. Center Mount Twist N Turn Climber [Nucleus, Voltage] Climber shall be two piece all welded construction consisting of 1.900" OD x 11 GA & 1.315" OD x 12 GA galvanized tubing, and 10 GA galvanized plate. Finished with a baked-on powder coating. Enclosure shall be one piece all welded construction consisting of 3 1/2" OD x 11 GA, 1.315" OD x 12 GA galvanized steel tubing, and 10 GA galvanized sheet. Finished with a baked-on powder coating

Q. Centipede Climber [Nucleus, Synergy, Voltage] Climber shall be one piece all welded construction consisting of 1.900" OD x 11 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA, 8 GA, and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Climber enclosure shall be ¾" co-extruded HDPE, climber transition strip shall be ½" and tube, panel mounting shall be 1 ¾" SQ X 32"; 1 ¾" SQ X 12 GA galvanized steel tubing.

R. Climbing Panel [Voltage] Climber shall be 3/4" co-extruded H.D.P.E.

S. Clubhouse Timber Tower [Nucleus] Timber tower base shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of rock is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Integral steel base frame shall be a fabrication of plates and tubes to support the GFRC, painted before GFRC application. Timber tower upper shall be an assembly consisting of PVC coated steel platform, powder coated steel enclosure, post supporting frame, lifting frame and posts clad with Glass Fiber Reinforced Concrete (GFRC) log theme. GFRC shall be manufactured with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of rock is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Hardware package shall be stainless steel screws and washers.

T. Cobblestone Arch/Sway [Voltage] Supports shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Pod walk top shall be formed 1/8" sheet steel with studs welded into place. PVC coated after fabrication.

1. Guardrail shall be one piece all welded construction consisting of 1.900" OD x 11 GA & 1.029" OD x 11 GA galvanized steel tubing and hot-dipped galvanized, grade 32510, malleable iron support pins. Finished with a baked-on powder coating.

2. Guardrail [Voltage] Shall be one piece all welded construction consisting of 1.660" OD x 13 GA & 1.029" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

U. Coil Climber [Nucleus, Voltage, Little Buddies, Synergy] Climber shall be one piece all welded construction consisting of 1.660" OD x 12 GA & 1.315" OD x 14 GA galvanized steel tubing, 3/8" OD x SCH 40 galvanized steel pipe, and 10 GA galvanized steel plate. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾" co-extruded HDPE and tube, panel mounting shall be 1 ¾" SQ X 32"; 1 ¾" SQ X 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

V. Converge Climber [Nucleus] One piece all welded construction consisting of formed 1.900" OD X 11 GA and 1.315" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coating. Stainless Steel hardware.

W. Convex Climber [Nucleus, Voltage] Climber shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

X. Crater Point Climber [Nucleus, Synergy, Voltage, Intensity] Fin support shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA or 10 GA galvanized steel plate. Finished with a baked-on powder coating. Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate. Panel shall be 3/4" Extruded HDPE. Flat panel casting shall be A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating. Hardware packages shall be stainless steel.

Y. Crest Point Climber [Nucleus, Synergy, Voltage, Intensity] shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA. & 1.315 OD x 14 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Panel shall be 3/4" Extruded HDPE. Flat panel casting shall be A356-T6 Aluminum, Heat- Treated. Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and an 8 GA galvanized steel plate. Finished with baked on powder coating. Hardware packages shall be stainless steel.

Z. Crux Climber [Synergy] ¾” co-extruded HDPE. Stainless steel hardware. 1.315” OD X 12 GA galvanized steel anchor tubes finished with a baked-on powder coating.

AA. Double Wing Climber [Nucleus, Synergy, Voltage, Little Buddies] shall be one piece all welded construction consisting of 1.660" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing finished with a baked-on powder coating. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾” co-extruded HDPE and tube, panel mounting shall be 1 ¾” SQ X 32”; 1 ¾” SQ X 12 GA galvanized steel tubing. Finished with a baked-on powder coat.

BB. Dynamic Discs Rope Climber [Intensity, Nucleus] Hanging Rope Pod Top and Bottom shall be 1/2" extruded HDPE. Arched Bram shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Plate Weldment shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X

.028" Wall. Rope assemblies shall consist of: Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

CC. Dynamic Discs 2-5 [Intensity, Nucleus] Hanging Rope Pod Top and Bottom shall be 1/2" extruded HDPE. Arched Beam shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Plate Weldment shall be one piece all welded construction consisting of 1.029" OD x 14 GA and 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

DD. Dynamic Pad Climber [Intensity, Nucleus] Pad shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Supports shall be one piece all welded construction consisting of 5" OD x 12 GA and 1.660" OD 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Hand Support shall be one piece all welded construction consisting of 1.600" OD x 12 GA galvanized steel tubing and 8 GA stainless steel sheet. Finished with a baked-on powder coating.

EE.Dynamic Pad Link [Nucleus] Pad shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Supports and brackets shall be one piece all welded construction consisting of 5" OD x 12 GA, 1.660" OD 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Supports shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 8 GA stainless steel sheet. Finished with a baked-on powder coating. Chain shall be galvanized 4/0 straight link coil chain PVC coated. Clevis shall be 1018 steel.

FF. Energy Disc [Intensity] Hanging Rope Pod Top and Bottom shall be 1/2" extruded HDPE. Post with Arch shall be one piece all welded construction consisting of formed 5" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Plate Weldment shall be one piece all welded construction consisting of 1.029" OD x 14 GA and 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers,

aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

GG. Evolution Arch Climber [Nucleus] shall consist of a main curved weldment that is one piece all welded construction consisting of 2 3/8" OD X 10 GA and 1.315" OD X 12 GA galvanized steel tubing, 7 GA stainless steel sheeting, 8 GA and 10 GA galvanized steel sheeting, 3/8" thick stainless-steel tab, and 1.315" OD zinc-chromate steel round. Crossbars shall be one piece all welded construction consisting of 1.315" OD X 12 GA galvanized steel tubing, 8 GA galvanized steel plating, and 7 GA stainless steel sheeting. Brackets shall be one piece all welded construction consisting of 7 GA stainless steel sheeting with a 3/8" thick stainless-steel tab or 10 GA galvanized steel plating. The rope to deck bracket shall be one piece all welded construction consisting of 8 GA galvanized steel sheeting and 3/8" thick stainless-steel tab. A 1.029" OD X 14 GA galvanized steel tube shall be provided as a lifting bar only for means of installation. There shall be several plates that are 8 GA, 10 GA, 12 GA, or 16 GA galvanized steel plating. The mesh barrier shall be one piece all welded construction consisting of 9 GA galvanized steel wire. All metal parts shall be finished with a baked-on powder coating. Rope assemblies shall contain 20mm rope consisting of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers and aluminum end connectors and ferrules. Panels shall be 3/4" co-extruded HDPE. All hardware shall be stainless steel.

HH. Fire Hose Climber [Nucleus] shall be an assembly consisting of 3/4" co-extruded and 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E., a full color graphic printed on 3mm DiBond, fire hose climber attachment plate, fire hose climber support, and stainless-steel hardware. Attachment plate shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Climber support shall be one piece all welded 1.315" OD tubing w/ 10 GA sheet steel finished with a baked-on powder coating.

II. Fire Truck Sliding Pole [Nucleus] shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, stainless steel hardware, and 1.660" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating.

JJ. Jungle Vine Climber [Nucleus, Voltage] Stone slope / steep peak support shall be one piece all welded 1.315" OD tubing w/ 10 GA sheet steel. Finished with a baked-on powder coating. Stone slope attachment plate shall be 10 GA. Galv. Sheet. Panel assembly, jungle vine shall be assembly consisting of: 3/4" extruded and co-extruded HDPE, zinc plated steel screws and 18-8 stainless steel flat and split lock washers. Tube 1.029" OD X 14 GA X 29 1/2" shall be formed from galvanized steel tubing of at least 1.029" OD x 14 GA wall. Finished with a baked-on powder coating. Hardware package shall be stainless steel.

KK. Lateral Post Link [Nucleus, Voltage] Weldment consisting of 1.029" OD x 14 GA and 1.315" OD x 12 GA galvanized tubing. Finished with a powder coat finish.

LL. Leaf Climber [Nucleus, Synergy, Voltage, Little Buddies] Climber shall be one piece all welded construction consisting of 1.660" OD x 12 GA and 1.315" OD x 14 GA galvanized steel tube and 10 GA galvanized steel plate finished with a baked-on powder coating. Leaf Step shall be cast aluminum alloy finished with a baked-on powder coating. Climber enclosure shall be ¾" co-extruded HDPE, climber transition strip shall be ½" and tube, panel mounting shall be 1 ¾" SQ X 32"; 1 ¾" SQ X 12 GA galvanized steel tubing.

MM. Linking Ring Climber [Nucleus, Synergy, Voltage] shall be one piece all welded construction consisting of 1.660" OD x 12 GA and 1.315" OD x 14 GA galvanized steel tubing finished with a baked-on powder coating. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾" co-extruded HDPE and tube, panel mounting shall be 1 ¾" SQ X 32"; 1 ¾" SQ X 12 GA galvanized steel tubing.

NN. Linx Climber, and Linx Levitate Climber [Synergy] Climber shall be one piece, all welded construction consisting of 1.900" OD X 11 GA and 1.315" OD X 12 GA galvanized steel tubing, 7 GA stainless steel sheeting, and 10 GA galvanized steel sheeting finished with a baked-on powder coating. Panels shall be HDPE. Stainless steel hardware.

OO. Limber Ladder Rope Climber [Nucleus, Intensity] Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

PP. Loop Climber [Nucleus, Voltage] Climber shall be one piece all welded construction consisting of 1.900" OD x 11 GA and 1.315 OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

QQ. Loop Rung Ladder Climber [Nucleus, Voltage, Little Buddies] Climber shall be one piece all welded construction consisting of 1.900" OD x 11 GA galvanized steel tubing, 1.315" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

RR. Manitou Climber [Nucleus, Synergy] climber body consisting of linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall

construction, molded in 3/8" T-nut inserts, and a textured outside surface. Mounting bracket consisting of one-piece welded construction 8 GA galvanized sheet steel finished with a baked-on powder coating. Footing tube shall be one-piece welded construction consisting of 1.90” OD X 11 GA galvanized steel tubing and a 12 GA galvanized steel cap finished with a baked-on powder coat.

SS. NaturePlay Rock Climber [Nucleus, Voltage] Rock shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with Alkali Resistant (AR) type glass fiber formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color, remainder of rock is sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Integrated rectangular tubing for lifting and anchoring is 7 GA low-carbon steel.

TT.Nimble Net Rope Climber [Intensity, Nucleus] Upper Support Tube and Side Support Tubes shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

UU. Novo Hillside Arch Climber [Burke Basics]

Weldment, Novo Anchor 30 Deg shall be one piece all welded construction consisting of 2 3/8” OD X 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Arch bike rack shall be one piece all welded construction consisting of 2 3/8” X 12 GA galvanized steel tubing and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Hardware shall be stainless steel.

VV. Novo Playful Furniture [Nucleus, Synergy]

1. Lil Novo [Synergy, Nucleus]
    a. Bean Bench, Seat panel shall be ¾” co-extruded HDPE. Seat frame shall be one piece all welded construction consisting of 3.5” OD X 11 GA galvanized tubing, 8 GA galvanized steel sheeting, and ¼” zinc-chromated HR steel sheeting. Finished with a baked-on powder coating. Hardware package shall be stainless steel and zinc-plated steel.
    b. Bean Table, Table panel shall be 3/4” co-extruded HDPE. Table frame shall be one piece all welded construction consisting of 3.5” OD X 11 GA and 1.315” OD X 12 GA galvanized steel tubing, 8 GA and 12 GA galvanized steel sheeting, and 7 GA stainless steel sheeting. Finished with

a baked-on powder coating. Hardware shall be stainless steel and zinc-plated steel.

c. Bean Step, Seat panel shall be ¾" co-extruded HDPE. Seat frame shall be one piece all welded construction consisting of 3.5" OD X 11 GA galvanized tubing, 8 GA galvanized steel sheeting, and ¼" zinc-chromated HR steel sheeting. Finished with a baked-on powder coating. Hardware package shall be stainless steel and zinc-plated steel.

2. Novo Arc Bench [Nucleus]

   a. Bench seat shall be ¾" extruded HDPE. Bench seat shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized tubing and 12 GA galvanized sheet steel. Post shall be one piece all welded construction consisting of 3 1/2" OD x 8 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked-on powder coating.

3. Novo Teardrop Counter [Nucleus]

   a. Novo counter top shall be ¾" extruded HDPE. Counter top shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized tubing and 12 GA galvanized sheet steel. Post shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked-on powder coating. Hardware package shall be stainless steel and zinc-plated steel.

WW. Nucleus Core [Nucleus] Core arch left/right shall be one piece all welded construction consisting of 2 3/8" OD X 10 GA and 1.315" OD X 12 GA galvanized steel tubing, 7 GA stainless steel sheeting, 8 GA and 10 GA galvanized steel sheeting, 3/8" thick stainless-steel tab, and 1.315" OD zinc-chromated steel round. Finished with a baked-on powder coating. HDPE offset mount bracket shall be one piece all welded construction consisting of 7 GA stainless steel sheeting and 10 GA galvanized steel sheeting. Rope assembly towers shall be 20mm rope consisting of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules. Yoke connection bracket shall be one piece all welded construction consisting of 7 GA stainless steel sheeting and 3/8" thick stainless-steel tab. ¾" co-extruded HDPE. 1.315" OD X 12 GA galvanized steel tubing. Triangular crossbar shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel brackets finished with a baked-on powder coating. Formed crossbar shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel brackets finished with a baked-on powder coating. ¼" rope to rubber shall be ¼" HRS finished with a black E-coat and a baked-on powder coating. Triangular rubber belt shall consist of 3-ply fabric with rubber top and bottom covers, overall ½" thickness. Stainless steel hardware.

XX. Odyssey Deck Link & Odyssey Deck Link Center Mount [Nucleus] Odyssey deck link shall be one piece all welded construction consisting of 1.315 OD x 12 GA galvanized steel tubing, 10 GA galvanized steel plate and 7 GA stainless steel plate. Finished with a baked-on powder coating. Center mount enclosure shall be

one piece all welded construction consisting of 3 1/2" OD x 11 GA, 1.315" OD x 12 GA & 1.029" OD X 14 GA galvanized steel tubing, and 10 GA galvanized sheet. 3 1/2" aluminum post cap and rivets. Finished with a baked-on powder coating.

YY. Odyssey Single & Double Post Link [Nucleus, Synergy, Voltage] Weldment consisting of formed 1.315" OD x 12 GA galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat finish.

ZZ. Ovistep Launch Pad and Synergy Launch Pad [Nucleus, Intensity, Synergy] Landing panel consists of 3/4" co-extruded HDPE. The bracket is one piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Stainless steel hardware.

AAA. Petal Step Climber [Nucleus, Synergy] One piece all welded construction consisting of 1.660" OD x 12 GA, 1.315" OD x 12 GA galvanized steel tubing and 8 GA galvanized steel plates finished with a baked-on powder coating, 3/4" co-extruded HDPE steps and stainless-steel hardware.

BBB. Platform Ladder [Nucleus] Ladder panel shall be ¾" co-extruded HDPE. Hardware package shall be stainless steel screws, nuts & washers.

CCC. Plexus Climber Post Attachment [Synergy] Post bracket shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plates. Finished with a baked-on powder coating. Hardware package shall be stainless steel, and aluminum rivets with stainless steel pins.

DDD. Plexus Hole Climber [Nucleus, Synergy] shall be a one-piece welded construction consisting of 2.375" OD x 10 GA or 2.375" OD x 12 GA and 1.315" OD x 12 GA galvanized tubing, 12 GA galvanized steel plate and nut inserts. Finished with a baked-on powder coat. ¾" Extruded HDPE panels and post caps, stainless steel hardware.

EEE. Plexus Step Climber [Nucleus, Synergy] shall be a one-piece welded construction consisting of 2.375" OD x 10 GA and 1.315" OD x 12 GA galvanized tubing, 12 GA galvanized steel plate and nut inserts. Finished with a baked-on powder coat. ¾" Extruded HDPE post caps, stainless steel hardware. Pad shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Stainless steel hardware.

FFF. Plexus Tangle Climber, Rung Climber [Nucleus, Synergy] shall be a one-piece welded construction consisting of 2.375" OD x 10 GA and 1.315" OD x 12 GA galvanized tubing, 12 GA galvanized steel plate and nut inserts. Finished with a baked-on powder coat. ¾" Extruded HDPE post caps, stainless steel hardware.

GGG. Podstep Climber 48”-56”, 64”-72” [Nucleus, Intensity] Cross brace assembly shall consist of a one piece all welded construction upper brace of 1.900" OD x 11 GA galvanized steel tubing, 1.563" x 13 GA galvanized steel tubing, 8 GA mounting brackets and formed plate, and a cross brace consisting of a one piece all welded construction 1.900" OD x 11 GA galvanized steel tubing and 8 GA mounting brackets, both finished with a baked-on powder coating. Center mount enclosure is a one piece all welded construction consisting of 3 1/2" OD x 11 GA, 1.315" OD x 12 GA & 1.029" OD X 14 GA galvanized steel tubing, and 10 GA galvanized sheet. 3 1/2" aluminum post cap and rivets. Finished with a baked-on powder coating. Climber pods shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. Climber pod mounts shall be one piece all welded construction consisting of formed 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum grip, end connectors, and ferrules with stainless steel screws. Chain shall be 3/8” diameter galvanized 4/0 straight link coil chain, PVC coated after fabrication. Anchor tubes shall be 1.315” OD x 12 GA galvanized steel tubing.

HHH. Podstep Link [Nucleus, Intensity] Crossbeam supports are one piece all welded construction consisting of 2.375" OD x 10 GA galvanized steel tubing, 8 GA mounting brackets. Finished with a baked-on powder coating. Climber pods shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. Climber pod mounts shall be one piece all welded construction consisting of formed 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum grip, end connectors, and ferrules with stainless steel screws. Chain shall be 3/8” diameter galvanized 4/0 straight link coil chain, PVC coated after fabrication. Anchor tubes shall be 1.315” OD x 12 GA galvanized steel tubing.

III. Pod Walk Climber [Nucleus, Synergy, Voltage, Little Buddies] Pod walk top shall be formed 1/8" sheet steel with studs welded into place. PVC coated after fabrication. Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Hand support (where applicable) shall be formed 1.660” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Climber enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing, 7 GA stainless steel brackets and Zinc-plated steel nut insert. Synergy side enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets.

JJJ. Power Peak W/ Out Panels [Nucleus, Synergy, Intensity, Voltage] Shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized

steel tubing, 7 GA stainless steel sheet and 1.315" OD X 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Hardware package shall be stainless steel.

KKK. Power Peak W/ Panels [Nucleus, Synergy, Intensity, Voltage] Shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet, 10 GA galvanized steel sheet and 1.315" OD X 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Panels shall be 3/4" Extruded H.D.P.E. Hardware packages shall be stainless steel screws and washers.

LLL. Power Pipes and Power Pipes 2-5 [Intensity, Synergy, Nucleus] One piece all welded construction consisting of formed 1.600" OD x 12 GA galvanized steel tubing and 7 GA stainless steel sheet. Finished with a baked-on powder coating.

MMM. Ridge Point Climber [Nucleus, Voltage, Synergy, Intensity] shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 1.315 OD x 14 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Fin support shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 10 GA galvanized steel sheet. Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and an 8 GA galvanized steel plate. Finished with a baked-on powder coating. Panels shall be 3/4" Extruded HDPE. Flat panel casting shall be A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating. Hardware packages shall be stainless steel.

NNN. Ring Mountain Climber [Nucleus, Voltage] Climber shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

OOO. Rock Climber [Nucleus, Voltage] Climber shall be linear, low density, rotationally molded, U.V. stabilized, polyethylene, .250" thick double wall construction with molded in 3/8" T-nut inserts and textured surface. Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating after fabrication.

PPP. Rock Crawl Climber [Nucleus, Voltage, Little Buddies, Synergy], Bulldozer Rock Crawl Climber [Little Buddies] Rock Crawl platform shall be one piece all welded construction consisting of 12 GA HRPO sheet steel, sides, and gussets. PVC coated after fabrication. Side Guards shall be manufactured of 3/4” extruded high-density polyethylene. Rock Climbing Holds shall be manufactured of polyester resin. Anchor Tubes shall be 1.315” OD x 12 GA galvanized steel tube. Finished with a baked-on powder coating. SS hardware.

QQQ. Rocking Catamaran Crossing [Nucleus, Voltage] consists of end supports, cross beam and molded urethane rods assembled together. The main tread surfaces are attached to formed plates on the cross beam. PVC coated chain constructed of 4/0 straight links is attached overhead using 1018 steel clevises attaching the chain to the chain support beams.

1. End supports shall be one piece, all welded construction consisting of 10 GA galvanized sheet steel, 8 GA galvanized sheet steel and 1.75” square tubing. Finished with a baked-on powder coating.

2. Cross beam shall be one piece, all welded construction consisting of 10 GA galvanized sheet steel, 3” square x 11 GA galvanized steel tubing, and 2.375” diameter x 12 GA galvanized tubing. Finished with a baked-on powder coating.

3. The main tread surface shall consist of one piece all welded construction consisting of 14 GA HRPO punched steel. PVC coated after fabrication.

4. The chain support beams are all one-piece welded construction consisting of stainless-steel plate, 12 GA 2.375” OD galvanized steel tube, and malleable iron grade 32510 support pins.

RRR. RockIt climbers [Intensity, Nucleus, Voltage]

1. Curved ladders shall be weldment consisting of 2 formed channels, 10 gage galvanized steel, and formed rungs, 1.029" OD tubing. Finished with a baked-on powder coat.

2. End ladders shall be weldment consisting of formed channels, 10 gage galvanized steel, formed rungs, 1.029" OD tubing and formed 3/16" stainless steel attachment plate. Finished with a baked-on powder coat.

3. Offset, Curved and End panel assemblies shall be1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Molded professional grade rock climbing hold with stainless steel washers attached with stainless steel bolts.

4. End Support shall be weldment consisting of 10 gage galvanized plate welded to 2.375" OD galvanized tube. Finished with a baked-on powder coat.

5. Grab Bar Cap shall be weldment consisting of formed channel, 10 gage galvanized steel and formed rung, 1.029" OD tubing. Finished with a baked-on powder coat.

6. Channel posts (Z and U) shall be formed channel, 10 gage galvanized steel. Finished with a baked-on powder coat. Cover plates shall be 10 gage galvanized steel plate. Finished with a baked-on powder coat. Anchor rods shall be 3/8" Diameter steel rod.

SSS. Rope Link Climber [Nucleus, Voltage] Rope Climber Support Brackets shall be one piece all welded construction consisting of 10 GA and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

TTT. Rugged Ridge [Nucleus, Intensity, Voltage] Climbing panels shall be 1/2" extruded HDPE. Flat panel castings shall be A356-T6 aluminum, heat-treated finished with baked on powder coating. Hardware packages shall be stainless steel.

UUU. Rung Ladder [Nucleus, Voltage] Ladder shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.315" OD x 12 GA galvanized tubing, and 10 GA galvanized plate. Finished with a baked-on powder coating.

VVV. Satellite Climber [Nucleus, Synergy, Voltage] Ring platform, ring spacer, ring cap, and handhold shall be linear, low density, rotationally molded, U.V. stabilized, polyethylene, .250" thick double wall construction with textured outside surfaces. Uprights shall be 3" square x 11 GA galvanized steel. Upright collar shall be 4" sq. x 1" x .250" wall aluminum extruded tube finished with a baked on black powder coating.

WWW. Saturn Climber [Nucleus, Voltage, Synergy] Climber shall be one piece all welded construction consisting of 1.660" OD x 12 GA, 1.315" OD x 14 GA, & 1.029" OD x 14 GA galvanized steel tubing. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾” co-extruded HDPE, climber transition strip shall be ½” extruded HDPE and tube, panel mounting shall be 1 ¾” SQ X 32”; 1 ¾” SQ X 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

XXX. Shasta Climber [Nucleus] One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 7 GA stainless steel sheet finished with a baked-on powder coating and stainless-steel hardware.

YYY. Ship Bow Climbers and Ship Bow Climbers w/ Custom Image [Nucleus] shall be manufactured of 3/4" co-extruded HDPE, a full color graphic printed on 3mm DiBond, one piece all welded construction offset enclosure consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA sheet steel; finished with a baked on powder coating, one piece all welded construction grab bar consisting of 1.029" OD x 14 GA galvanized steel tubing and formed 3/16" stainless steel plates; finished with a baked on powder coating, one piece all welded construction bow climber consisting of 1.660" OD x 12 GA & 1.315" OD x 12 GA galvanized steel tubing and 12 GA steel; finished with a baked on powder coating, three piece construction curved post assembly consisting of 5"

OD tubing & cast aluminum; finished with a baked on powder coating, stainless steel hardware, and aluminum rivets.

ZZZ. Side Stepper Climber [Nucleus, Voltage] Climber shall be one piece all welded construction consisting of 1.900" OD x 11 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

AAAA. Snake Climber [Nucleus, Synergy, Voltage] Climber shall be one piece all welded construction consisting of 1.660" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing. Synergy stanchion crossbar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾" co-extruded HDPE, climber transition strip shall be ½" extruded HDPE and tube, panel mounting shall be 1 ¾" SQ X 32"; 1 ¾" SQ X 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

BBBB. Spider, 96", Deck to Deck [Nucleus, Intensity, Voltage] Rope assembly, spider net S5 shall be rope consisting of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules with stainless steel screws. Top beam, spider web shall be one piece all welded construction consisting of formed 2 7/8" OD x 8 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel sheet finished with a baked-on powder coating. Bracket, rope connection shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and a 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware package shall be stainless steel screws & washers and black thermoplastic. Brass spacer 7/16" OD x 1 1/4" shall be brass tube 7/16" OD x .028" wall.

CCCC. Spiral Climber [Voltage] Top section, bottom section, trim strip shall be linear, low density, rotationally molded, U.V. stabilized, .250" thick polyethylene with double wall construction with molded in longitudinal ribs and 3/8" T-nut inserts, and textured outside surfaces. Support post shall be 3 1/2" OD x 11 GA galvanized steel tubing finished with a baked-on powder coating. Short support tube shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, screw, and washer. Finished with a baked-on powder coating. Extension shall be 1.315" OD x 14 GA galvanized steel tubing. Exit support shall be one piece all welded construction consisting of 10 GA galvanized steel plate and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

DDDD. Steep Peak and Stone Slope Climber [Nucleus, Voltage, Little Buddies] Panels shall be manufactured of 1/2" or 3/4" extruded high-density polyethylene. Rock Climbing Holds shall be manufactured of polyester resin. Support Posts and rungs shall be fabricated of 1.315" OD x .08" wall, 1.029 OD x .07 wall galvanized steel tube and finished with a baked-on powder coating after fabrication.

EEEE. Staggered Pod Walk Climber [Synergy] Pod walk top shall be formed 1/8" sheet steel with studs welded into place. PVC coated after fabrication. Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Hand support (where applicable) shall be formed 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Climber enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing, 7 GA stainless steel brackets and Zinc-plated steel nut insert. Synergy side enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets.

FFFF. Step Up Deck – 96" Double Viper [Nucleus] 24" transition ladder shall be 3/4" HDPE. Wood planks shall be 3/4" recycled HDPE. Barrier supports shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plates and 3/8" threaded inserts, finished with a baked-on powder coating. Viper II platform extension shall be welded platform 12 gage shell and gussets, finished with PVC coating. Platform extension support shall be welded construction consisting of formed 2.375" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate, finished with a baked-on powder coating. Grab bar shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plates finished with a baked-on powder coating. Upper posts shall be an assembly consisting of 3 1/2" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked-on powder coating. Hardware package shall be stainless steel.

FFFF. Step Up Deck – 96" Slide [Nucleus] 24" transition ladder shall be 3/4" HDPE. Wood planks shall be 3/4" recycled HDPE. Slide platform extension shall be welded platform 12 gage shell and gussets finished with PVC coating. Enclosure frames shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plates, SS threaded plug and 3/8" threaded inserts finished with a baked-on powder coating. Support tube shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized plates and 3/8" threaded inserts finished with a baked-on powder coating. Platform extension support shall be welded construction consisting of formed 2.375" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate finished with a baked-on powder coating. Grab bar shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plates finished with a baked-on powder coating. Hardware package shall be stainless steel hardware.

GGGG. Strength Stepper [Intensity, Nucleus] Stepper shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Supports shall be

one piece all welded construction consisting of 2.375” OD x 12 GA, 1.900" OD x 11 GA, 1.029” OD x 14 GA, 1.315” OD x 12 GA galvanized steel tubing and 7 GA SS plate. Finished with a baked-on powder coating. Handrails shall be one piece all welded construction consisting of 1.029” OD x 14 GA, 1.315" OD x 12 GA, and 1.900” OD x 11 GA galvanized steel tubing. Finished with a baked-on powder coating.

HHHH. Taktiks climbers [Intensity, Nucleus] [Taktiks Bolt Climber; Taktiks, Tall Rope Wall; Taktiks Tangle Climber; Taktiks Crescent Climber; Taktiks Trestle Climber; Taktiks Bow Climber; Taktiks, Short Rope Wall; Taktiks Trail Climber] Rope shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly cover with polyester fibers. Aluminum grip, end connectors, and ferrules with stainless steel screws. Anchor Tube shall be 1.315” OD x 12 GA galvanized steel tubing. Galvanized 4/0 Chain 12” made of galvanized 4/0 straight coil chain. Arched Beams shall be one piece all welded construction consisting of formed 2 3/8” OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Disc Mounts shall be one piece all welded construction consisting of formed 1.315” OD x 12 GA galvanized steel tubing, 10 GA stainless steel sheet. Finished with a baked-on powder coating. Rope Platforms, as well as Tube Climber, shall be one piece all welded construction consisting of formed 1.135” OD x 12 GA galvanized steel tubing, 10 GA stainless steel sheet. Finished with a baked-on powder coating. Pods will consist of ¼” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. Brass Spacer shall be Brass Tube 7/16” OD x .028” Wall. Hardware shall be stainless steel and black thermoplastic.

IIII. Trango Climber [Synergy, Nucleus] Post to Post weldment, vine climber shall be one piece all welded construction consisting of 1.660" OD X 12 GA & 1.315" OD X 12 GA galvanized steel tubing. Bracket vine climber connection shall be one piece all welded construction consisting of formed 7 GA stainless steel sheet and 8 GA galvanized sheet. Rope assembly tab to tab 84 11/16” shall be rope consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end ferrules with stainless steel screws. Bracket, yoke connection 1 ¾” X 7 ¼” shall be one piece all welded construction consisting of 3/8" thick stainless steel and formed 7 GA stainless steel sheet. Finished with a baked-on powder coating.

JJJJ. Transition Climber [Synergy] Grab bar one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat. Transition climber shall be ½” or ¾” extruded HDPE. Hardware package shall be stainless steel.

KKKK. Transition Rung Ladder [Nucleus, Voltage] Ladder shall be one piece all welded construction consisting of 1.315" x 14 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating.

LLLL. Transition Ladder [Nucleus] Ladder shall be 3/4" extruded H.D.P.E. Enclosure shall be one piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts, connected to posts with cast aluminum KoreKonnect ™ clamp castings, finished with a baked-on powder coating.

MMMM. Tree Branch Climber [Nucleus, Synergy, Intensity] Climbers consist of one piece all welded construction consisting of formed 1.315" x 12 GA galvanized steel tubing, and 7 GA stainless steel plate. Finished with a baked-on powder coating.

NNNN. Tree Climber [Nucleus, Synergy, Voltage] Ring spacer, ring cap, sleeve, and handhold shall be linear, low density, rotationally molded, U.V. stabilized, polyethylene, .250" thick double wall construction with textured outside surfaces. Uprights shall be 3" square x 11 GA galvanized steel. Upright collar shall be 4" sq. x 1" x .250" wall aluminum extruded tube finished with a baked on black powder coating. Spacer shall be ½" extruded HDPE. Climber shall be ¾" co-extruded HDPE, and climber transition strip shall be ½" extruded HDPE. Tube panel mounting 1 ¾" SQ X 32" shall be 1 ¾" SQ X 12 GA galvanized steel tubing.

OOOO. Trigon Arch [Nucleus, Synergy, Voltage] Triangle climb through shall be a minimum of .22" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction and a textured outside surface. Brackets shall be one piece all welded construction consisting of 8 and 10 GA galvanized steel; finished with a baked-on powder coating. Arched beam shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel formed plate and 8 GA galvanized steel plate; finished with a baked-on powder coating. ¾" OD rod shall be stainless steel. Double clevis rope assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules. Lower rope assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules with stainless steel threaded rods and screws. Brass tube shall be 7/16" OD with a .028" wall thickness. Hardware package shall consist of stainless-steel hardware and black thermoplastic shims.

PPPP. Trigon Arch GL [Nucleus, Synergy, Intensity] Triangle climb through shall be a minimum of .22" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction and a textured outside surface. Brackets shall be one piece all welded construction consisting of 8 and 10 GA galvanized steel; finished with a baked-on powder coating. Arched beam shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel formed plate and 8 GA galvanized steel plate; finished with a baked-on powder coating. ¾" OD rod shall be stainless steel. Rope assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly

covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules, stainless steel U-bolts. Chain shall be galvanized 4/0 straight link coil chain. Anchor tube shall be 1.315” OD x 12 GA galvanized steel tubing. Brass Spacer shall be 7/16" OD X .028" wall thickness. Spacer 1.13” OD X .25” shall be ¼” Nylatron GS. 5/16" Shackle with a 3/8" X 1 1/2" bolt. Hardware package shall consist of stainless-steel hardware and black thermoplastic shims.

QQQQ. Trigon Tower [Burke Basics, Intensity, Nucleus] Triangle climb through shall be a minimum of .22" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction and a textured outside surface. End bracket shall be formed 10 GA galvanized sheet steel; finished with a baked-on powder coating. Rope connection bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and 8 GA galvanized steel sheet; finished with a baked-on powder coating. Triangle top weldment shall be one piece all welded construction consisting of 2.375" OD x 10 GA galvanized steel tubing and 7 GA SS formed plates; finished with a baked-on powder coating. Timble and stop rope assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum and stainless-steel end connectors and ferrules. Brass tube shall be 7/16” OD with a .028” wall thickness. ¾” OD rod and ½” u-bolt shall both be stainless steel. Hardware package shall consist of stainless-steel hardware and black thermoplastic shims.

RRRR. Twist Net Climber [Nucleus, Synergy, Voltage] shall consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules with stainless steel screws. Black thermoplastic shim, aluminum rivets and brass tube 7/16" OD X .028" Wall. Offset enclosure shall be one piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA sheet steel. Finished with a baked-on powder coating. Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Anchor Tube shall be 1.315" OD x 12 GA galvanized steel tubing. Galvanized chain shall be 4/0 straight coil chain, 3/8" diameter.

SSSS. Twisting Traverse and Twisting Traverse 2-5 [Nucleus, Synergy, Intensity, Voltage] Beams shall be one piece all welded construction consisting of formed 2 3/8" OD x 12 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Finished with a baked-on powder coating. Brass spacer 7/16” OD x 1 1/4" shall be brass tube 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place. Intensity shim package shall be black thermoplastic. Hardware package shall be stainless steel.

TTTT. Verto Climber 3FS, 3, 2, 1 [Nucleus, Synergy, Intensity, Voltage] shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 1.315 OD x 14 GA, 2 3/8" OD x 10 GA & 1.315 OD x 12 GA and galvanized steel tubing, 7 GA stainless steel sheet and 8 GA and 10 GA galvanized steel plate, finished with a baked-on powder coating. Panels shall be 3/4" Extruded HDPE. Hardware packages shall be stainless steel.

UUUU. Via Climber [Nucleus, Synergy] One piece all welded construction consisting of 1.900" OD X 11 GA galvanized steel side rails,1.315" OD X 12 GA rungs and an 8 GA galvanized steel mounting plate finished with a baked-on powder coating and stainless-steel hardware.

VVVV. Vital Vortex Climber [Intensity, Nucleus] Climber shall be a one piece all welded construction consisting of 1.029" OD and 1.660" OD X 14 GA galvanized steel tubing and 7 GA stainless steel sheet. Finished with a baked-on powder coating. Grab Bar shall be a one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing and formed 3/16" stainless steel plate. Finished with a baked-on powder coating.

WWWW. Wedge Climber [Nucleus, Voltage] Climber shall be one piece all welded construction consisting of 1.660" OD x 13 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

XXXX. Straight Wiggle Wall Climber [Nucleus, Voltage] Support beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 2 7/8" OD x 8 GA galvanized steel tubing, and 7 GA HRPO steel plate. Finished with a baked-on powder coating. Main beams shall be one piece all welded construction consisting of 2 3/8" x 12 GA galvanized steel tubing and 1018 steel clevises. Finished with a baked-on powder coating. Hung from the clevises is one-piece nets constructed of 4/0 straight link coil chain with 1.029" OD x .075" wall galvanized tube rungs crimped to the chain. PVC coated after fabrication. Anchors, which are used to secure the nets, are one piece all welded construction consisting of 2.375" OD x .109" wall galvanized tubing and 2 1/2" x 1 1/2" x 3/16" HRS angle. Finished with a baked-on powder coating after fabrication. End post is one piece all welded construction consisting of 2.375" OD x 12 GA galvanized steel tubing and post assembly consisting of 3 1/2" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Finished with a baked-on powder coating.

YYYY. Wiggle Ladder Climber [Nucleus, Voltage] Climber weldment shall be one-piece welded construction consisting of 1.660” OD x 12 GA, 1.029” OD x 14 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating after fabrication. Chain shall be galvanized 4/0 straight link coil chain with 1.029” OD x .075” wall galvanized tube rungs crimped to chain. PVC coated after fabrication. Anchor tube shall be 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating

ZZZZ. Wiggle Watchtower [Nucleus] Half clamp shall be a formed 8 GA galvanized steel plate finished with a baked-on powder coating. Chain shall be galvanized 4/0 straight coil chain with PVC coating. Anchor tube shall be 1.315" OD x 12 GA galvanized steel tubing. Rings shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing with zinc plated steel nut inserts. Finished with a baked-on powder coating. Entrance rings shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing with zinc plated steel nut inserts, and 10 galvanized steel plate. Finished with a baked-on powder coating. Top beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.315" OD x 12 GA galvanized steel tubing, 1/4" HR steel plate, and 1018 steel clevises. Finished with a baked-on powder coating.

AAAAA. Wiggle Watchtower [Voltage] Chain shall be galvanized 4/0 straight coil chain with PVC coating. Anchor tube shall be 1.315" OD x 12 GA galvanized steel tubing. Rings shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing with zinc plated steel nut inserts. Finished with a baked-on powder coating. Entrance rings and handholds shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing with zinc plated steel nut inserts, and 10 galvanized steel plate. Finished with a baked-on powder coating. Top beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.315" OD x 12 GA galvanized steel tubing, 7 GA HRPO steel plate, and 1018 steel clevises. Finished with a baked-on powder coating.

BBBBB. Wild Web Rope Climber [Intensity, Nucleus] Arched Beam shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

CCCCC. Wobbly Web, Net [Nucleus, Intensity] Rope assembly, wobbly web shall be rope consisting of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules with stainless steel screws. Plate shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Panel shall be 3/4" co-extruded HDPE. Hardware package shall be stainless steel screws, nuts & washer and bronze bushings.

DDDDD. Zipper Climber [Nucleus, Voltage] Each side of climber shall be one piece all welded construction consisting of 1.900" OD x 11 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

EEEEE. Web Bolt Climber [Nucleus] Rope Climber Support Brackets shall be one piece all welded construction consisting of 10 GA and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

2.10 Play 4 Pups

A. Ascent 24-32, 40 [Play 4 Pups] Ramp, 5’ X 2’ shall be one piece all welded construction consisting of 12 GA HRPO steel. PVC dipped after fabrication. Support tube shall be 1.9” OD X 11 GA galvanized steel tubing. Finished with a baked-on powder coating. Stainless steel hardware.

B. Bar Jump 8-16, 24 [Play 4 Pups] Jump bar shall be 1.9” OD X 11 GA galvanized steel tube. Finished with a baked-on powder coating.

C. Play 4 Pups Welcome Sign, Novice Course Sign, Intermediate Course Sign, Expert Course Sign [Play 4 Pups] frame shall be one piece welded construction consisting of 1.900” OD X 11 GA galvanized steel tubing, 8 GA galvanized steel plate finished with a baked-on powder coating. Sign insert shall be 8 GA galvanized steel finished with a baked-on powder coating. Sign shall be 3mm Dibond. Stainless steel hardware.

D. Dog Walk 24-32, 40 [Play 4 Pups] Ramp, 5’ X 2’; Dog walk platform 2’ X 2’ shall be one piece all welded construction consisting of 12 GA HRPO steel, PVC dipped after fabrication. Support tube shall be 1.9” OD X 11 GA galvanized steel tubing. Finished with a baked-on powder coating. Stainless steel hardware.

E. Hoop Jump 6 Sided, 7-Sided, Triple Hoop Jump [Play 4 Pups] Hoop jump shall be one piece all welded construction consisting of 1.9” OD X 11 GA galvanized steel tubing. Finished with a baked-on powder coating.

F. Leash Rack [Play 4 Pups] Leash rack shall be one piece all welded construction consisting of 2 3/8” x 12 GA and 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. End cap shall be ¾” extruded HDPE. Hardware package shall be #10 x ½” pan head machine screw.

G. Stepper [Play 4 Pups] Stepper support shall be one piece all welded construction consisting of 8 GA galvanized steel plate and 2 3/8” OD X 12 GA galvanized steel tube. Finished with a baked-on powder coating. Stepper cap shall be one piece all welded construction consisting of 12 GA HRPO steel plate and steel weld studs. PVC dipped after fabrication. Stainless steel hardware.

H. Tunnel [Play 4 Pups] Formed tube shall be 2 3/8” OD X 10 GA galvanized steel tube with zinc-plated steel nut inserts. Finished with a baked-on powder coating. Straight tube, tube w/ports shall be .250” thick, linear, low density, rotationally

molded, U. V. stabilized polyethylene with a textured outside surface. Stainless steel hardware.

I. Waste Bag Dispenser, Portable Waste Bag Dispenser [Play 4 Pups] Dog waste bag dispenser housing w/ label shall be one piece all welded construction consisting of 14 GA galvanized sheet steel. Finished with a baked-on powder coating. An adhesive backed label added after fabrication. Bag dispenser back panel shall be ¾" co-extruded HDPE. Support tube shall be 2.375" OD X 12 GA galvanized steel tubing with stainless steel inserts. Finished with a baked-on powder coating. Formed plate shall be 10 GA galvanized sheet steel. Portable support tube shall be one piece all welded construction consisting of 8 GA galvanized sheet steel and 2.375" OD X 12 GA galvanized steel tubing with stainless steel inserts. Finished with a baked-on powder coating. Hardware shall be stainless steel.

J. Weave Hoop [Play 4 Pups] Gate tube shall be 1.9" OD X 11 GA galvanized steel tubing. Finished with a baked-on powder coating.

K. Weave Pole [Play 4 Pups] Weave pole shall be 1.9" OD X 11 GA galvanized steel tube. Finished with a baked-on powder coating. ¾" extruded HDPE. Hardware package shall be #10 X ½" pan head machine screw.

2.11 Fitness

A. Arms N' Back [Nucleus] Climbing Walls shall be one piece all welded construction consisting of 10 GA x 2.375" OD galvanized tubing, 7 GA and 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Overhead shall be one piece all welded construction consisting of 10 GA x 2.375" OD galvanized tubing, 1.315" OD x 14 GA galvanized embossed steel tubing, 7 GA and 10GA galvanized steel sheet and eight threaded inserts. Finished with a baked-on powder coating. Panels made of ¾" extruded HDPE. Bracket shall be one piece all welded construction consisting of 7 GA and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Fitness Grip to be made from Casted A356 aluminum, finished with a baked-on powder coating.

B. Balance Challenge [Nucleus] Steps made from ¾" extruded HDPE. Frame shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized tubing, 10 GA and 14 GA galvanized plating. Finished with a baked-on powder coating. Hardware shall be stainless steel.

C. Block Up 8"-16" [Burke Basics] Insert made of ¾" extruded HDPE. Cap shall be one piece all welded construction consisting of 12 GA sheet steel with studs welded into place. PVC coated after fabrication. Block Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware shall be stainless steel.

D. Block Up 20"-24" [Burke Basics] Insert made of ¾" extruded HDPE. Cap shall be one piece all welded construction consisting of 12 GA sheet steel with studs

welded into place. PVC coated after fabrication. Block Support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware shall be stainless steel.

E. Bionic Balance [Fitness] One-piece welded construction consisting of 2 3/8" OD X 10 GA galvanized steel tubing and 1/4" HRS plates finished with a black E-coat and a baked-on powder coating, 1/4" HR steel plate finished with a baked-on powder coating, 3/4" textured HDPE, stainless steel hardware, 22mm OD spring steel finished with a baked-on powder coating, black nylon spacer and stamped CRS steel, annealed, finished with a baked-on powder coating.

F. Cargo Climber [Nucleus] Cap made from ½” extruded HDPE. Rope Assembly consists of 6 right hand, regular lay strands, closed around synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules with stainless steel screws. Horizontal Support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Vertical Support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing 2 3/8” OD x 12 GA galvanized steel swaged tubing and 10 and 12 GA galvanized steel plating. Finished with a baked-on powder coating. Hardware shall consist of stainless steel. Aluminum rivets with stainless steel pins. Stainless steel button head cap screws, washers. Brass tube. Black thermoplastic shim.

G. Chest Press [Invigorate]: ¾” co-extruded HDPE seat and backrest attached to a one-piece welded construction frame consisting of a 1/4" sheet steel zinc chromate coated base plate, 5" OD x 11 GA galvanized steel tubing, 1.66" OD x 12 GA galvanized steel tubing, machined 1/4" and 3/8" sheet steel plates with a zinc chromate coating, 8 GA and 10 GA galvanized steel plates all finished with a baked-on powder coating. Moving arm is one-piece welded construction consisting of formed 1.66" OD X 11 GA galvanized steel tubing, 3/8" sheet steel plates with a zinc chromate finish and stainless-steel threaded inserts all finished with a baked-on powder coating/ ¼” black HDPE spacers, galvanized steel and urethane torsion springs, zinc coated 1018 steel square shaft and stainless-steel hardware.

H. Core Station [Nucleus] Insert made from ¾” extruded HDPE. Bench Mount shall be one piece all welded construction consisting of 10 x 2.375” OD and 12 GA x 1.315” OD galvanized tubing, 12 GA and 7 GA galvanized steel sheet, and two stainless steel threaded inserts. Finished with a baked-on powder coating. Bench Cap shall be one piece all welded construction consisting of 12 GA x 1.660” OD galvanized steel tubing and threaded studs welded into place. PVC coated after fabrication. Bench Footer one piece all welded construction consisting of 12 Ga galvanized steel sheet, 11 GA x 1.900” OD galvanized tubing, 10 GA and 14 GA galvanized steel sheet. Finished with a baked-on powder coating. Fitness Grip made from Casted A356 aluminum, finished with a baked-on powder coating.

I. Elliptical [Invigorate]: Front support shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" HR steel sheeting, and 2 3/8" dia. steel rod zinc chromated, finished with a baked-on powder coating. Elliptical rear support revolution assembly shall contain welded frame, disc weldments, 1" dia. zinc-chromated steel shaft, radial ball bearings. Rear support frame shall be weldment consisting of 2 3/8" OD X 10 GA galvanized steel tubing, machined housing and 1/4" HR steel sheeting, zinc chromated and finished with a baked-on powder coating. Disc weldments shall be weldment consisting of 1/4" HR steel plate, machined pivots and housing, zinc chromated and finished with a baked-on powder coating. Foot and hand linkages shall be assemblies consisting of one piece all welded construction consisting of 1.66" OD X 12 GA galvanized steel tubing, 1.315" OD x 14 GA galvanized steel tubing, 2 3/8" pipe, and 8 GA galvanized steel sheeting, finished with a baked-on powder coating and radial ball bearings. Fitness grip casted of A356 aluminum, finished with a baked-on powder coating. HDPE washer shall be 1/4" Extruded HDPE. Invigorate foot pad shall be 8 GA HRPO welded sheet steel, finished with a PVC coating. Hardware package shall be stainless steel. Loctite is provided as a thread locker.

J. Frog Hop [Nucleus] Insert made of ¾" Extruded HDPE. Rope Assembly consists of 6 right hand, regular lay strands, closed around synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules with stainless steel screws. Block Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Block cap consists of one piece all welded construction consisting of 12 Ga galvanized sheet steel with studs welded into place. PVC coated after fabrication. Step Frame Shall be one piece all welded construction consisting of 1.029" x 14 GA galvanized steel tubing, 10 GA galvanized steel sheet with studs welded into place. Finished in a baked-on powder coating. Beams shall be one piece all welded construction consisting of formed 2 3/8" x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Arched Beam shall be one piece all welded construction consisting of formed 2 3/8" x 10 GA galvanized steel tubing, 7 GA stainless steel sheet. Finished with a baked-on powder coating. Hardware shall consist of stainless steel and black thermoplastic.

K. Hand Cycle [Invigorate] Hand cycle assembly shall be one-piece welded construction consisting of a ¼" steel zinc chromate coated base plate, 5" OD x 11 GA galvanized steel tubing, 2.375" OD x 10 GA galvanized steel tubing, 8 GA galvanized steel plates, 1018 machined steel housings all finished with a baked-on powder coating. Support post shall be 5" OD x 11 GA galvanized steel tubing, ¼" HRS base plate welded and finished with a baked-on powder coating. 15" x 12" HDPE seat shall be ¾" co-extruded HDPE. Post cap shall be A356-aluminum finished with a baked-on powder coating. Stainless steel and zinc plated steel hardware.

L. High Stepper [Nucleus] Rope Assembly consists of 6 right hand, regular lay strands, closed around synthetic fiber core, with each preformed strand consisting of 8

galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules with stainless steel screws. Bracket shall be one piece all welded construction consisting of a formed 7 GA stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware shall consist of stainless steel. Stainless steel button head cap screws, washers. Brass tube. Black thermoplastic shim.

M. Jungle Pipeline [Nucleus] Parallel Bar shall be one piece all welded construction consisting of formed 1.900" OD x 11 GA galvanized steel tubing and 7 GA galvanized steel sheet. Hardware shall be stainless steel.

N. Lava Leap [Burke Basics] Large Insert made from ¾" extruded HDPE. Large Cap shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel plate. PVC coated after fabrication. Block Support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware consists of SS washers and lock nuts.

O. Lift N' Row [Nucleus] Insert made from ¾" extruded HDPE. Cap shall be one piece all welded construction consisting of 12 GA galvanized steel plate. PVC coated after fabrication. Leg Lift shall be one piece a welded construction consisting of 10 GA x 2.375" OD galvanized tubing and 7 GA galvanized steel sheet. Finished with a baked-on powder coating. Rowing station made up of one piece all welded construction consisting of 7 GA and 10 GA galvanized steel plate, 1.315" OD x 12 GA galvanized steel tubing, and 1.315" OD x 14 GA galvanized embossed steel tubing. Finished with a baked-on powder coating. Hardware shall be stainless steel.

P. Mighty Max [Nucleus] Cap made of ½" extruded HDPE. Rope Assembly consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered in polyester fibers. Aluminum end connectors and ferrules with stainless steel screws. Horizontal Support shall be one piece all welded construction consisting of 2 3/8" x 12 GA galvanized steel tubing and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Vertical Support shall be one piece all welded construction consisting of 2 3/8" x 12 GA galvanized steel tubing, 2 3/8" x 12 GA galvanized steel swaged tubing, and 10 and 12 GA galvanized steel plating. Finish with a baked-on powder coating. Hardware shall consist of stainless steel. Aluminum rivets and stainless-steel pins. Stainless steel button head cap screws, washers. Brass tube. Black thermoplastic shim.

Q. Mighty Might [Nucleus] Cap made of ½" extruded HDPE. Pipe Climber Shall be one piece all welded construction consisting of 2 3/8" x 12 GA galvanized steel tubing, 1.315" embossed steel tubing, and 12 GA galvanized steel plating. Finished with a baked-on powder coating. Hardware shall be stainless steel.

R. Over Under [Nucleus] Panels made of ¾" extruded HDPE. High and Low Over Under should be one piece all welded construction consisting of 1.900" x 11 GA

galvanized steel tubing and 10 GA galvanized steel plating. Finish with baked on powder coat. Hardware shall be stainless steel.

S. Parallel Bars [Nucleus] Parallel Bar made of one piece all welded construction consisting of formed 1.900” OD x 11 GA galvanized steel tubing and 7 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware shall be stainless steel.

T. Pipe Climber [Nucleus] Cap made from ½” extruded HDPE. Climber shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing, 1.315” embossed steel tubing, and 12 GA galvanized steel plating. Finished with a baked-on powder coating.

U. Plyo Block 8”-16” [Burke Basics] Insert made of ¾” extruded HDPE. Support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Cap shall be one piece all welded construction consisting of 12 GA galvanized sheet steel with studs welded into place. PVC coated after fabrication. Hardware shall be stainless steel.

V. Plyo Block 20”-24” [Burke Basics] Insert made of ¾” extruded HDPE. Support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Cap shall be one piece all welded construction consisting of 12 GA galvanized sheet steel with studs welded into place. PVC coated after fabrication. Hardware shall be stainless steel.

W. Pull-Up [Nucleus] Push Pull to be one piece all welded construction consisting of 10 Ga x 2.375” OD galvanized tubing, 1.315” OD x 14 GA galvanized embossed steel tubing and 7 GA galvanized steel sheet and three threaded inserts. Finished with a baked-on powder coating. Fitness Grip to be Casted A356 aluminum, finished with a baked-on powder coating.

X. Push-Up [Nucleus] Push Pull to be one piece all welded construction consisting of 10 Ga x 2.375” OD galvanized tubing, 1.315” OD x 14 GA galvanized embossed steel tubing and 7 GA galvanized steel sheet and three threaded inserts. Finished with a baked-on powder coating. Fitness Grip to be Casted A356 aluminum, finished with a baked-on powder coating.

Y. Recumbent Bike [Nucleus] ¾” co-extruded HDPE seat and backrest attached to a one piece welded construction frame consisting of a 1/4" sheet steel zinc chromate coated base plate, 5" OD x 11 GA galvanized steel tubing, 1.66" OD x 12 GA galvanized steel tubing, machined 1/4" and 3/8" sheet steel plates with a zinc chromate coating, 8 GA and 10 GA galvanized steel plates all finished with a baked-on powder coating, and post cap shall be 5" OD AL: A356 – Aluminum. Recumbent bike crank support shall contain welded frame, disc weldments, 1" dia. zinc-chromated steel shaft, radial ball bearings. Support frame shall be weldment

consisting of 2 3/8" OD X 10 GA galvanized steel tubing, machined housing and 1/4" HR steel sheeting, zinc chromated and finished with a baked-on powder coating. Disc weldments shall be weldment consisting of 1/4" HR steel plate, machined pivots and housing, zinc chromated and finished with a baked-on powder coating. HDPE washer shall be 1/4" Extruded HDPE. Pedal, recumbent bike shall consist of 3/4" Extruded HDPE with Texture. Hardware package shall be stainless steel. Loctite is provided as a thread locker.

Z. Stretch Beams [Nucleus] Stretch Bar shall consist of shall be one piece all welded construction consisting of formed 1.315” OD x 14 GA embossed galvanized steel tubing and 7 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware to be stainless steel.

AA. Strider [Invigorate] One-piece welded construction frame consisting of 5" OD X 11 GA galvanized steel tubing, 1.315" OD X 14 GA embossed galvanized tubing, 1/4" HRS base plate welded and finished with a baked-on powder coating. ¼” black HDPE spacers, Leg assembly consisting of 1.9" OD X 11 GA galvanized steel tube, 8 GA formed galvanized plate finished with a baked-on powder coating. Sealed radial ball bearings with a chrome finish. Footpad consisting of 8 GA HRPO welded sheet steel, finished with a PVC coating. Acrylonitrile butadiene rubber spacers and 3/8” 1018 zinc chromated sheet steel end caps finished with a baked-on powder coating.

BB. Summit Bridge [Nucleus] Rope Assembly consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered in polyester fibers. Aluminum end connectors and ferrules with stainless steel screws. Bracket consists of one piece all welded construction consisting of 7 GA SS sheet and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Support shall be one piece all welded construction consisting of 7 GA SS, 8 GA and 10 GA galvanized plating, and 1.990” OD x 11 galvanized steel tubing. Finished with a baked-on powder coating. Formed Tube made of 1.660” OD x 12 GA galvanized tubing. Finished with a baked-on powder coating. Rope Wall and Platform Panels made of ¾” extruded HDPE. Anchor tube to be made of 1.315” OD x 12 GA galvanized steel tubing. Chain shall be 3/8” diameter, 4/0 straight coil chain. PVC coated after fabrication. S-Tube shall be one piece all welded construction consisting of 7 GA SS, 8 GA and 10 GA galvanized plating, and 1.660” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Rope Climb and Platform Cap shall be one piece all welded construction consisting of 12 GA HRPO steel sheet. PVC coated with textured traction surface after fabrication. Rail shall consist of one piece all welded construction consisting of 7 GA SS plate and 1.900” OD x 11 GA galvanized tubing. Finished with a baked-on powder coating. Arched Beam shall be one piece all welded construction consisting of 7 GA SS plate and 1.660” OD x 12 GA galvanized tubing. Finished with a baked-on powder coating. Brass Spacer made from Brass Tube 7/16” OD x .028” Wall. Hardware shall consist of stainless steel and black thermoplastic.

CC. Twinkle Toes [Nucleus] Rope Assembly consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered in polyester fibers. Aluminum end connectors and ferrules with stainless steel screws. Bracket consists of one piece all welded construction consisting of a formed 7 GA stainless steel plate and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Hardware shall be stainless steel and consist of stainless-steel button head cap screws, washers. Brass tube. Black thermoplastic shim.

DD. Victory Wall [Nucleus] Runway plate shall be 14 GA galvanized sheet steel. Finished with a baked-on powder coating. Formed tube shall be 2 3/8" OD x 10 GA galvanized steel tubing. Finished with a baked-on powder coating. High back barrier, low back barrier, edge panel, transition bottom chime mount, victory wall, button, victory wall, top front chime mount, victory wall, top back chime mount, victory wall shall be ¾" extruded HDPE. Slide pole shall be 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Back barrier shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA and 1.660" OD x 12 GA galvanized steel tubing, 10 GA galvanized steel plates, and 7 GA stainless steel plates. Finished with a baked-on powder coating. High barrier shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA, 1.660" OD x 12 GA, and 1.315" OD x 12 GA galvanized steel tubing, 8 GA galvanized steel plates, and 7 GA stainless steel plates. Finished with a baked-on powder coating. High guardrail shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 8 GA galvanized steel plates. Finished with a baked-on powder coating. Low enclosure shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA, 1.315" OD x 12 GA, and 1.315" OD x 14 GA galvanized steel tubing, and 7 GA stainless steel plates. Finished with a baked-on powder coating. Low guardrail shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing, 12 GA galvanized steel plates with zinc-plated 3/8"-16 inserts. Finished with a baked-on powder coating. Victory wall platform shall be one piece all welded construction consisting of 12 GA HRPO sheet steel. PVC coated after fabrication. Truss shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA and 7 GA stainless steel plates. Finished with a baked-on powder coating. Center wall rail, left wall rail, right wall rail shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 8 GA galvanized steel plates. Finished with a baked-on powder coating. Bracket elliptical, rope connection shall be one piece all welded construction consisting of 7 GA and 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Victory bell shall be an assembly consisting of 1.00" OD x .049" wall stainless steel tubes, 1/16" diameter stainless steel wire rope, zinc plated steel washer, and zinc plated copper compression sleeves. Button belt, victory wall shall be rubber belt consisting of 2-ply fabric with rubber top and bottom covers, overall 1/8" thickness. Runway belt shall be grade II SBR rubber #22 3-ply. Hardware shall be stainless steel.

EE. Wall Clinger [Nucleus] Plank shall be ¾" extruded HDPE. Tube shall consist of 1.660" x 12 GA galvanized tubing. Finished with a baked-on powder coating. Plank Cap shall be one piece all welded construction consisting of 12 GA galvanized sheet

steel and a plank cap. Finished with a PVC coating. Beams shall be one piece all welded construction consisting of 1.900” x 11 GA galvanized steel tubing and 7 GA galvanized steel sheet. Finished with a baked-on powder coating. Spider Walls shall be one piece all welded construction consisting of 1.660” x 12 GA galvanized steel tubing, 1.315” OD x 12 GA galvanized steel tubing, and 7 GA galvanized sheet steel. Finished with a baked-on powder coating. Panel Assembly made of ½” extruded HDPE and zinc-plated alloy steel. Hardware shall be stainless steel.

2.12 Miscellaneous

A. Activity Tables [Nucleus, Voltage, Little Buddies] at Ground Level shall attach to structures using mounting tubes which are attached to Activity Table panel held up with support posts on the opposite ends of the panel.

1. Mounting tube [Voltage] shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 10 GA galvanized steel plate. [Little Buddies] shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, 10 GA galvanized steel plate and 3/4” x 1” HR steel. All finished with a baked-on powder coating.

2. Activity table end panel shall be 3/4" extruded high-density polyethylene.

3. Support post shall be one piece all welded construction consisting of 12 GA galvanized steel plate and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

B. Agility Arc [Intensity, Nucleus] One piece all welded construction consisting of formed 1.900” OD x 11 GA and 7 GA stainless steel sheet. Finished with a baked-on powder coating.

C. Balcony [Nucleus, Voltage] Handrail shall be one piece all welded construction consisting of 1.315" OD x 12 GA, 1.315" OD x 14 GA, & 1.029" x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Platform shall be one piece all welded construction consisting of 12 GA surfaces, gussets, and face plate. PVC coated after fabrication. Deck adapter shall be one piece all welded construction consisting of 10 GA HR steel plate. PVC coated after fabrication.

D. Banister Rails [Nucleus, Voltage] Each side shall be one piece all welded construction consisting of 1.900" OD x 11 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

E. Bell, post mounted [Nucleus, Voltage, Synergy, Little Buddies] Tube, bell shall be one piece all welded construction consisting of 5" OD x SCH 10 aluminum tubing and 5" OD aluminum plate finished with a baked-on powder coating. Bracket bell shall be one piece all welded construction consisting of galvanized tubing finished with a baked-on powder coating. Knob shall be ¾” extruded HDPE. Galvanized 4/0

chain 12” shall be galvanized 4/0 straight coil chain. Spacer 1.13” OD X .25” shall be ¼” nylatron GS. Hardware shall be stainless steel.

F. Bench [Little Buddies] Seat shall be one piece all welded construction consisting of 12 GA HRPO steel and stainless-steel threaded studs. PVC coated after fabrication. Supports shall be one piece all welded construction consisting of 3/4" x 1" x 16 GA HRPO steel rectangular tubing, and 14 GA galvanized sheet steel. Finished with a baked-on powder coating.

G. Bench [Nucleus, Voltage] Bench shall be 3/4” extruded high-density polyethylene. Support shall one piece all welded construction consisting of 1.315" OD x 14 GA galvanized tubing, formed 3/16" stainless steel plates and 10 GA HRS steel plates. Finished with a baked-on powder coating.

H. Butterfly Post Topper [Intensity, Nucleus, Voltage, Little Buddies] shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware

I. Closure Plates [Nucleus, Synergy, Voltage, Little Buddies] 14 GA galvanized steel plate finished with a baked-on powder coating.

J. Corner seat [Little Buddies] Seat shall be made of 3/4" extruded high-density polyethylene. Support shall be one piece all welded construction consisting of 3/4" x 1" x 16 GA rectangular HRPO steel tubing, 1/4" HR steel plate & 14 GA galvanized steel plate. Finished with a baked-on powder coating.

K. Cross Bar [Synergy, Voltage] Bar shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 7 GA HRPO steel. Finished with a baked-on powder coating.

L. Cross Bar Add-On [Nucleus, Voltage, Little Buddies] shall be one piece all welded construction consisting of 10 GA galvanized steel sheet, 14 GA galvanized steel sheet, 3/4" x 1" HR steel, 1.900" OD X 11 GA galvanized steel tubing, and 1.315" OD X 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

M. Dynamic Pad [Intensity, Nucleus] Pad shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Mounting brackets shall be one piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and formed 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

N. Ellipse Closure Plate [Nucleus] Plate shall be 14 Ga galvanized steel plate finished with a baked-on powder coating. Hardware shall be stainless steel button head cap screws, washers, and nuts.

O. Evergreen Post Topper [Intensity, Nucleus, Voltage, Little Buddies] shall be 3/4" co-extruded H.D.P.E.

P. Extreme Cyclone [Intensity, Nucleus, Synergy] Middle Section Spinner shall be one piece all welded construction consisting of formed 1.660" OD x 12 GA & 1.315" OD x 12 GA galvanized steel tubing, 3 1/2" OD x 3/8" wall DOM steel tubing and 1/4" HR steel plate. Finished with a baked-on powder coating. Spinner Arched Beam shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 1.315" OD x 12 GA galvanized steel tubing and 7 GA stainless steel sheet. Finished with a baked-on powder coating. Bearings shall be heavy duty, precision thrust, sealed ball bearing and PBT thermoplastic housing, zinc coated insert, sealed bearing. Spinner cover shall be 3/4“extruded H.D.P.E. Plate Cover Support shall be 10 GA stainless steel sheet finished with a baked-on powder coating. Cyclone Anchor Assembly shall consist of an anchor weldment, rubber boot, malleable iron universal joint, bearings, stainless steel set screws and CF steel shaft.

Q. EZ Tension Mechanism, EZ Tension Shadeplay Canopy [Shadeplay Canopies, Synergy] Adjustable tension mechanism consisting of a machined galvanized tube with a 5/8"EcoGuard coated hex bolt as the drive mechanism. Stainless Steel shaft collar and SAE oil impregnated bronze flanged bearing are included along with machined 1018 steel retaining blocks. 12’ X 12’or 15’ X 15’ shadeplay canopy w/cables shall be monofilament and tape construction high density polyethylene knitted shade fabric with vinyl covered galvanized cables and galvanized turnbuckles. Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed. Rafter, long and short synergy shall be one piece all welded construction consisting of 1.900" OD X 11 GA, 1.660" OD X 12 GA, 3.5" OD X 11 GA galvanized steel tubing and a machined, zinc-plated steel pivot. Arm tensioning shall be one-piece welded construction of galvanized steel tubing. Plate 6 ¾” X 6 ¾” X 8 GA; plate, end cap tension is, end cap, stationary pivot arm shall be 8 GA galvanized steel plate. Insert connector 1” X 1 ¼” X 9” shall be 1” X 1 ¼” HR steel bar. Rafter adaptor, 15’ X 15’SQ roof synergy or HEX roof shall be 1.900” OD X 11 GA galvanized steel tubing Finished with a baked-on powder coating. Pin, dowel, ½” DIA X 1 ½ shall be hardened steel with a zinc chromate finish. Hardware package shall be stainless steel screws, washers & nuts, zinc plated steel lock nuts & hex head screws, and aluminum rivet with stainless steel pin.

R. Fierce Cyclone [Intensity, Nucleus, Synergy, Voltage] Middle Section Spinner shall be one piece all welded construction consisting of formed 1.660” OD x 12 GA, 1.315" OD x 12 GA galvanized steel tubing, 3 1/2" OD x 3/8" wall DOM steel tubing and 1/4" HR steel plate with zinc chromate plating. Finished with a baked-on powder coating. Spinner Arched Beam shall be one piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 1.315" OD x 12 GA galvanized steel tubing and 7 GA stainless steel sheet. Finished with a baked-on powder coating. Bearings shall be heavy duty, precision thrust, sealed ball bearing and PBT thermoplastic housing, zinc coated insert, sealed bearing. Spinner cover shall be 3/4“extruded H.D.P.E. Cyclone Anchor Assembly shall consist of an anchor weldment, rubber boot, malleable iron universal joint, bearings, stainless steel set screws and CF steel shaft.

S. Flag [Voltage] Assembly consists of stainless-steel screw, nylon washer, zinc plated steel washer, flag pole weldment consisting of 14 GA galvanized steel plate and 1.315" OD x 12 GA galvanized steel tubing, and flag base weldment consisting of 4" OD x .22" wall steel tubing, 1.029" x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Assembly is finished with a baked-on powder coating.

T. Flag Post Topper [Intensity, Nucleus, Voltage, Little Buddies] shall be 3/4" co-extruded H.D.P.E.

U. Flag Full Color Custom Post Topper [Intensity, Nucleus, Voltage, Little Buddies] shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware

V. Healthy Hammock [Intensity, Nucleus] Rope Connection Bracket shall be one piece all welded construction consisting of a formed 3/16" stainless steel plate and an 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Brass spacer shall be 7/16" OD X .028" Wall. Rope Assembly shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules secured with stainless steel screws and swaged in place.

W. Innova Bridge [Nucleus] Bridge base shall be one piece all welded construction consisting of 3.5” OD x 11 GA galvanized steel tubing, 8 GA galvanized steel plating, and zinc-coated nut inserts. Finished with a baked-on powder coating. Bridge beam shall be one piece all welded construction consisting of 3.5” OD x 11 GA galvanized steel tubing, 7 GA SS steel plating, and zinc-coated nut inserts. Finished with a baked-on powder coating. Bridge handle shall be one piece all welded construction consisting of 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Bridge brace shall be one piece all welded construction consisting of 2.375” OD x 12 GA galvanized steel tubing and 7 GA SS steel plating. Finished with a baked-on powder coating. Stop post shall be one piece all welded construction consisting of 3” SQ x 11 GA galvanized steel tubing, 8 GA galvanized steel plating, and ¼” hot-rolled steel plating. Finished with a baked-on epoxy powder coating. Innova center shall be one piece all welded construction consisting of 2” SQ x 11 GA galvanized steel tubing and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Platform adaptor shall be one piece all welded construction consisting of 12 GA HRPO sheet steel. PVC coated after fabrication. Plate shall be 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Panels shall be ¾” extruded HDPE consisting of a dot texture traction pattern, ¾” extruded HDPE, and ¾” co-extruded HDPE. Spacer HDPE shall be ½” extruded HDPE. Tube shall be 2” square x 11 GA galvanized steel tubing. 1 ¾” square x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Stop belt shall be grade II SBR rubber #22 3-ply. Hardware shall be stainless steel, and zinc-plated steel wedge anchor, washer, and nut.

X. Innova Rocker [Nucleus] Innova center shall be one piece all welded construction consisting of 2” SQ x 11 GA galvanized steel tubing and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Stop post shall be one piece all welded construction consisting of 3” SQ x 11 GA galvanized steel tubing, 8 GA galvanized steel plating, and ¼” hot-rolled steel plating. Finished with a baked-on powder coating. Rocker base shall be one piece all welded construction consisting of 3.5” OD x 11 GA galvanized steel tubing, 8 GA galvanized steel plating, and zinc-coated nut inserts. Finished with a baked-on powder coating. Rocker handle shall be one piece all welded construction consisting of 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Rocker arch left: Rocker arch, right shall be one piece all welded construction consisting of 3.5” OD x 11 GA and 1.315” OD x 12 GA galvanized steel tubing, 7 GA SS plate, 10 GA galvanized steel plating, and zinc-coated nut inserts. Finished with a baked-on powder coating. Platform adapter shall be one piece all welded construction consisting of 12 GA HRPO sheet steel. PVC coated after fabrication. Plate shall be 8 GA galvanized steel sheet. Finished with a baked-on powder coating. Tubes shall be 1.315” OD x 12 GA galvanized tubing, 2” square x 11 GA galvanized steel tubing, and 1 ¾” square x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Panels shall be ¾” extruded HDPE, ¾” co-extruded HDPE, ¾” extruded HDPE consisting of a dot texture traction pattern. Spacer HDPE shall be ½” extruded HDPE. Bridge belt, stop belt shall be grade II SBR rubber #22 3-ply. Hardware shall be stainless steel, and zinc-plated steel wedge anchor, washer, and nut.

Y. Intensity Slide Platform [Nucleus, Intensity] shall be one piece all welded construction consisting of 12 GA surfaces, gussets, and face plate. PVC coated after fabrication. Support is a one piece all welded construction consisting of formed 1.900" OD x 11 GA, 8 GA galvanized sheet steel and 7 GA stainless steel sheet. Finished with a baked-on powder coating. Barriers are one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, 10 GA galvanized steel plate, finished with a baked-on powder coating and ¾” extruded HDPE panels. Cross bar consisting of 1.315" OD x 12 GA galvanized steel tubing, malleable iron plug. Finished with a baked-on powder coating. Stainless steel hardware.

Z. Launch pad [Synergy] Small launch panel shall be ¾” co-extruded HDPE. 3.5” launch pad support shall be one piece, all welded construction consisting of 1.315” OD X 12 GA galvanized tubing, 7 GA stainless steel sheeting, and 10 GA galvanized steel sheeting. Finished with a baked-on powder coating.

AA. Leaf Seat, Single and Double [Nucleus, Synergy, Voltage] Single Leaf Bracket and Double Leaf Seat Frames shall each be one piece all welded construction consisting of a formed 3/16" stainless steel plate, 10 GA galvanized steel plate and 1.315" OD x 14 GA galvanized steel tubing with a baked-on powder coating. Leaf Step/Seat shall be cast aluminum alloy finished with a baked-on powder coating.

BB. Pennant Post Topper [Intensity, Nucleus, Voltage, Little Buddies] shall be 3/4" co-extruded H.D.P.E.

CC. Pennant Full Color Custom Post Topper [Intensity, Nucleus, Voltage, Little Buddies] shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware

DD. Pep Step [Intensity, Nucleus] Step shall be 1/4” thick, linear, low density, rotationally molded, UV stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts and textured surface. Mounting bracket shall be one piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

EE. PlayEnsemble Cirque Drum I, II, III, IV & V: Assemblies consisting of ABS plastic body, U-PVC resonator cap and stainless-steel hardware. Mounts shall be one piece all welded construction consisting of 2.375" OD galvanized tubing, 1.315" OD x 14 GA galvanized tubing and four threaded inserts. Finished with a baked-on powder coating.

FF. PlayEnsemble Flower Garden: PlayEnsemble flower, post and top shall be one-piece all welded construction consisting of 1.900” OD x 11 GA galvanized steel tubing. 8 GA galvanized steel plate and, SS threaded insert. Finished with a baked-on powder coating. Plate shall be 8 GA galvanized sheet steel finished with a baked-on powder coating. Small flower mallet mount shall be ¾” co-extruded HDPE. Stainless steel hardware. Cast aluminum bells. Molded rubber mallet kit.

GG. PlayEnsemble Supine Chimes, PlayEnsemble Supine Chimes Hue: Mounting frame shall be a one piece all welded construction consisting of 11 GA x 1.900" OD galvanized tubing, 7 GA and 8GA galvanized steel sheet. Finished with a baked-on powder coating. Panel assembly shall be 3/4" extruded and co-extruded HDPE, aluminum anodized tubing, rubber dampers, stainless steel brackets, polyurethane mallets with nylon-coated wire ropes, assembled with stainless steel hardware.

HH. PlayEnsemble Terra Metallophone: Mounting frame shall be a one piece all welded construction consisting of 11 GA x 1.900" OD galvanized tubing, 7 GA and 8GA galvanized steel sheet. Finished with a baked-on powder coating. Panel assembly shall be 3/4" extruded and co-extruded HDPE, aluminum anodized flat bar stock, rubber dampers, stainless steel brackets, polyethene mallets with nylon-coated wire ropes, assembled with stainless steel hardware.

II. PlayEnsemble Titan Chimes: Mounting frame shall be one piece all welded construction consisting of 11 GA x 1.900" OD galvanized tubing, 7 GA galvanized steel sheet and 3/8" stainless steel tabs. Finished with a baked-on powder coating. Chime assemblies shall be aluminum anodized tubing, stainless steel turnbuckles and threaded rods, rubber dampers and stainless-steel hardware. Mallet rests shall be 3/4" extruded HDPE, mounts consisting of one piece all welded construction consisting of 7 GA and 10 GA galvanized steel sheet. Finished with a baked-on powder coating. Stainless steel hardware. Panel assembly shall be 3/4" extruded and co-extruded

HDPE, aluminum anodized flat bar stock, rubber dampers, stainless steel brackets, polyethene mallets with nylon-coated wire ropes, assembled with stainless steel hardware.

JJ. Play Mat shall be 4’ x 6’ x 2” consisting of Recycled Vulcanized Tire Rubber with a Natural Latex Compound binder.

KK. Post to post bench panel [Synergy] shall be ¾” co-extruded HDPE. Bench support shall be one piece all welded construction consisting of 1.315” OD X 14 GA galvanized steel tubing, 10 GA galvanized plating, and 7 GA stainless steel sheeting. Finished with a baked-on powder coating. Hardware package shall be stainless steel.

LL.Rapid Rails [Intensity, Nucleus] Upper and Lower Rails shall be one piece all welded construction consisting of 1.900" OD x 11 GA galvanized steel tubing and 7 GA stainless steel plate. Finished with a baked-on powder coating. Agility Arc shall be one piece all welded construction consisting of formed 1.900" OD x 11 GA and 7 GA stainless steel sheet. Finished with a baked-on powder coating.

MM. Rung Attachment [Circuit Play] is one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and formed 3/16" stainless steel plates and an 8 GA galvanized attachment plate. Finished with a baked-on powder coating.

NN. Schooner Sail [Nucleus] Brackets shall be an assembly consisting of an 8 GA galvanized sheet steel finished bracket with a baked-on powder coat, mast arms shall be one piece all welded construction consisting of 3 ½” OD 11GA galvanize steel tubing and 8 GA galvanized steel plate, finished with a baked-on powder coat. Lower arch and brace arms shall be one piece all welded construction consisting of 1.900” OD 11GA galvanize steel tubing and 8 GA galvanized steel plate, finished with a baked-on powder coating. Sail shall be monofilament and tape construction high density polyethylene, knitted. Rope assemblies shall consist of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers. Aluminum end connectors and ferrules. Stainless steel hardware. Post assembly shall be 5” OD 11GA galvanized steel tubing, ¼” wall cast aluminum cap, and 1/8” x 15/32” aluminum drive rivets, finished with a baked-on powder coating.

OO. Serenity Spot [Nucleus] Arch shall be one piece all welded construction consisting of 2 3/8” OD x 10 GA galvanized steel tubing, 8 GA and 10 GA galvanized steel sheeting and 7 GA stainless steel sheet. Seat shall be one piece all welded construction consisting of 2 3/8” OD x 10 GA galvanized steel tubing and 7 GA stainless steel sheet. Crossbars shall be one piece all welded construction consisting of 7 GA stainless steel sheeting, 8 GA galvanized plating and 1.315” OD x 12 GA galvanized steel tubing. HDPE bracket shall be one piece all welded construction consisting of 7 GA stainless steel sheeting and 10 GA galvanized steel plating. Angle plates shall be 10 GA galvanized steel sheet. Plate shall be 14 GA

galvanized steel sheeting. All steel shall be finished with a baked-on powder coating. Bronze bearing shall be oil impregnated. Panels shall be 3/4” co-extruded and extruded HDPE. Kick mat shall be 3-ply fabric with rubber top and bottom covers. Flap mat shall be 2-ply fabric with rubber top and bottom covers.

PP. Ship Mast Main Rope and Angled Rope [Nucleus] shall consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with multifilament polypropylene fibers, aluminum end connectors and ferrules with stainless steel screws, black thermoplastic shim, brass spacer tube, and stainless-steel hardware.

QQ. Ship Mast/Sail Assembly [Nucleus] shall be an assembly consisting of an 8 GA galvanized sheet steel finished bracket with a baked-on powder coat, one piece all welded construction mast arms consisting of 3 ½” OD 11GA galvanize steel tubing and 8 GA galvanized steel plate, finished with a baked-on powder coat, monofilament and tape construction high density polyethylene knitted ship sails, stainless steel hardware, and upper ship post assembly consisting of 5” OD 11GA galvanized steel tubing, ¼” wall cast aluminum cap, and 1/8” x 15/32” aluminum drive rivets, finished with a baked on powder coating.

RR. Ship’s Wheel Assembly [Nucleus] Ship’s wheel assembly shall be an assembly consisting of ¾” co-extruded H.D.P.E., ½” extruded H.D.P.E., 0.263” impact resistant UHMW polyethylene, one piece all welded construction consisting of a formed 3/16” stainless steel plate and 304 stainless steel finished with a baked-on powder coat, zinc plated steel washer, bronze bearing, and stainless-steel hardware.

SS. Sliding Poles [Nucleus, Synergy, Voltage] 1.660" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Synergy stanchion crossbar shall be one piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Climber enclosure shall be ¾” co-extruded HDPE, climber transition strip shall be ½” extruded HDPE and tube, panel mounting shall be 1 ¾” SQ X 32”; 1 ¾” SQ X 12 GA galvanized steel tubing. Finished with a baked-on powder coat.

TT. Sky Pods [Nucleus, Voltage, Synergy] 4/0 chain shall be 3/8" diameter, 4/0 straight coil chain. G-70 chain shall be 3/8" diameter with a yellow dichromate finish. Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing. Ring spacer shall be linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction with a textured outside surface. Ring cap shall be linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, single wall construction with a textured outside surface. Spacers and sleeves shall be 1/2" OD x .058" black tube. End support beams shall be one piece all welded construction consisting of 2.375" OD x 14 GA & 2.875" OD x 12 GA galvanized steel tubing, 2.125" OD x .219" wall black steel tubing, and malleable iron support pins, and finished with a baked-on powder coating. Sky pod support beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 3/16" HRS flat, and finished with a baked-on powder coating. Mounting caps shall be

one piece all welded construction consisting of 1018 HR steel and 1 9/16" OD x 13 GA CRS DOM tubing, and finished with a baked-on powder coating. Sky pod weldment shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 3" x 3" x 11 GA 1018 square steel tubing, and 7 GA & 10 GA steel plate, and finished with a baked-on powder coating.

UU. Stability Sanctuary [Nucleus] Belt clamp, ¾" extruded HDPE. Rope assembly, tab to tab, 18", 20 mm rope consists of 6 right hand, regular lay strands closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules. Hammock plate, A36 carbon steel bar and tabs finished with a zinc chromate coating and a baked-on powder coating. Brass spacer, Brass tube 7/16" OD X .28" Wall. Balance belt, grade II SBR rubber #22 3-ply. Pivot assembly, 1018 carbon steel shaft and housing, 7 GA stainless steel mounting plate, 3/8" steel plate, and 8 GA gussets finished with a baked-on powder coating. Sealed chrome ball bearing s, oil embedded bronze thrust washer, and ECO Guard coated steel bolt with a ¾" extruded HDPE cap and stainless-steel hardware.

VV. Steering Wheel [Nucleus, Synergy, Voltage, Little Buddies] Steering wheel weldment shall be an assembly consisting of 1/2" OD black tube, 2 bronze bearings, a stainless-steel screw and washer, a zinc plated push nut, and a one piece all welded steering wheel made of 14 GA spun steel and a 1018 hot rolled steel hub. Steering wheel is PVC coated after fabrication.

WW. Spiral Spinner [Little Buddies] Bearing shall be oil impregnated bronze. Spinner shall be 3/4" co-extruded high-density polyethylene. Standoff shall be one piece all welded construction consisting of 1.029" OD galvanized steel tubing, and 3/8" stainless steel t-nuts, and finished with a baked-on powder coating.

XX. Swift Glider [Intensity, Nucleus] Glider shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface. Upper enclosure shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, a formed 3/16" stainless steel plate. Finished with a baked-on powder coating. Supports shall be one piece all welded constructions consisting of 1.900" OD x 11 GA galvanized steel tubing and/or 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

YY. Tabletop [Little Buddies] Table top shall be of 3/4" co-extruded high-density polyethylene. Post shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 7 GA HRPO steel plate, and finished with a baked-on powder coating.

ZZ. Telescope [Nucleus, Synergy, Little Buddies] Assembly consisting of a stainless steel screw, zinc plated washers, an oil impregnated bronze bearing, a 1/2" OD x

.058" wall black tube, a one piece all welded telescope consisting of formed 10 GA galvanized steel plates, 1.315 OD x 14 GA galvanized tubing, stainless steel threaded insert, and a one piece all welded telescope mount consisting of 1/4" aluminum plates, a 4" OD x .250" wall aluminum tube, a 3 1/2" OD x .120" wall aluminum tube, and a 1/4" wall cast aluminum cap. Telescope and telescope mount are finished with a baked on powder coating.

AAA. Tree Trunk [Voltage] Tree Trunk parts shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

2.13 NPPS Supervision Safety Kit

A. NPPS Supervision Safety Kit: National Program for Playground Safety Supervision safety kit including training manual, training video, and supervision fanny pack with supplies.

2.14 Overhead Events

A. Athletic Arch [Intensity, Nucleus, Synergy] Overhead Beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA galvanized steel plate. Finished with a baked-on powder coating. Pep Step shall be 1/4” thick, linear, low density, rotationally molded, UV stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts and textured surface. Step mounting bracket shall be one piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

B. Athletic Arch 2-5 [Intensity, Nucleus, Synergy] Overhead Beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA galvanized steel plate. Finished with a baked-on powder coating.

C. Chain Horizontal Ladders [Voltage] Support bar shall be one piece all welded construction consisting of 1.900" OD x 11 GA galvanized steel tubing, 3/8" diameter HR steel round, and grade 32510 malleable iron support pin, and PVC coated after fabrication. Chain net assembly shall consist of 4/0 straight link coil chain and 3/8" diameter zinc plated S-hooks, and PVC coated after fabrication. Mount bracket shall be one piece all welded construction consisting of 1 9/16” OD X 13 GA steel tubing, 3/16” stainless steel plate, and 10 GA galvanized steel plate.

D. Overhead Ladder 2-5 [Little Buddies, Voltage, Nucleus] shall consist of an overhead ladder, rubber wedge bonded to take-off anchor with adhesive.

1. Overhead ladder 2-5 [Little Buddies] shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing; 3/4" x 1" HR steel and 10 GA galvanized sheet steel.

[Voltage] shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing. Both finished with a baked-on powder coating.

2. Rubber Wedge shall be composed of SBR (recycled tire rubber) and EPDM (new synthetic) rubber granules and one component polyurethane binder. The rubber granules and the binder are inert in their cured state, leaving us with a finished product that does not require an MSDS sheet.
3. Adhesive (CX-948), 300ml tube shall be a single component urethane adhesive - see MSDS sheet located in your Installation Guidelines Structure Book.
4. Take-off anchor shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating.

E. Plexus Overhead [Nucleus, Intensity, Synergy] shall be a one-piece welded construction consisting of 2.375" OD x 10 GA or 2 3/8" OD x 12 GA and 1.315" OD x 14 GA galvanized tubing, 12 GA galvanized steel plate and nut inserts. Or, plexus overhead, shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plates. Finished with a baked-on powder coat. Stainless steel hardware and aluminum rivets.

F. Robust Rocker Overhead [Intensity, Nucleus] shall be assembled using end brackets, main beam, molded urethane rods and stainless-steel hardware to produce a rocking-rolling motion. End brackets shall be one piece all welded construction consisting of 3" square x 10 GA galvanized tubing, 10 GA. galvanized plates and formed 3/16" stainless steel plates. Finished with a baked-on powder coating. Main beam shall be one piece all welded construction consisting of 2.375" x 12 GA galvanized steel tube, 10 GA galvanized plates, 1 3/4" square tubing and 1.029" OD X 14 GA galvanized steel tube rungs. Finished with a baked-on powder coating. For transitioning on and off the overhead, step mounting brackets and pep steps are utilized. Step mounting bracket shall be one piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Pep Step shall be 1/4" thick, linear, low density, rotationally molded, UV stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and textured surface.

G. Rocking Snake Overhead [Nucleus, Voltage, Burke Basics] shall be assembled using support beams, main beam, end supports, molded urethane rods and stainless-steel hardware to produce a rocking-rolling motion. Support beam [] shall be one piece all welded construction consisting of 2.375" OD x 14 GA, 3" square x 10 GA galvanized tubing, 2.875" OD x 12 GA galvanized steel tubing, 10 GA galvanized plates and malleable iron support pins. Finished with a baked-on powder coating. Support beam [Voltage] shall be one piece all welded construction consisting of 2.375" OD x 14 GA, 3" square x 10 GA galvanized tubing, 2.875" OD x 12 GA galvanized steel tubing, 10 GA galvanized plates and formed 3/16" stainless steel plates. Finished with a baked-on powder coating. Main beam shall be one piece all welded construction consisting of 2.375" x 12 GA galvanized steel tube, 10 GA

galvanized plates, 1 3/4" square tubing and 1.029" OD X 14 GA galvanized steel tube rungs. Finished with a baked-on powder coating. Freestanding end support shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA, 3" square x 10 GA galvanized tubing, 2 3/8" x 12 GA, 1.315" OD x 12 GA, 10 GA galvanized plate and 1.029" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating

H. Round-A-Bout [Nucleus, Voltage] Connection tube shall be 2.375" OD x 10 GA galvanized steel tubing finished with a baked-on powder coating. Round-a-bout shall be one piece all welded construction consisting of 1.900" OD x 11 GA and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating. Mid-support leg shall be one piece all welded construction consisting of 2.375" x 10 GA and 1.900" OD x 11 GA galvanized steel tubing finished with a baked-on powder coating. Support beams shall be one piece all welded construction consisting of 2.375" OD x 10 GA, 1.900" OD x 11 GA, and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

I. S & C Horizontal Ladder [Nucleus] T-fitting casting shall be cast aluminum heat-treated alloy, finished with a baked-on powder coating. Support posts shall be 2.375" OD X 12 GA galvanized steel tubing finished with a baked-on powder coating. Horizontal ladders shall be one piece all welded construction consisting of 2.375" OD x 12 GA and 1.315" x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

J. S & C Horizontal Ladder [Voltage] T-fitting casting shall be cast aluminum heat-treated alloy, finished with a baked-on powder coating. Support posts shall be 2.375" OD X 12 GA galvanized steel tubing finished with a baked-on powder coating. Fitting shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing. Finished with a baked-on powder coating. Horizontal ladders shall be one piece all welded construction consisting of 1.900" OD x 11 GA and 1.315" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

K. S & C Ring Swing Ladder, Straight Ring Swing Ladder, 90 Deg Ring Swing Ladder [Voltage, Nucleus] Rings shall be 356-T6 cast aluminum alloy, PVC coated. Pendulum shall be hot-dipped galvanized, grade 32510, heat treated, malleable iron. Clevis shackle with bolt shall be galvanized malleable iron. Bearings shall be oil impregnated, bronze. Support beams shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA and 2 7/8" OD x 8 GA galvanized steel tubing, and formed 3/16” stainless steel plate. Finished with a baked-on powder coating. Main beam shall be one piece all welded construction consisting of 2.375" x 12 GA galvanized steel tubing and 3/16" HR steel plate. Finished with a baked-on powder coating. Support ladder shall be one piece all welded construction consisting of 2.375" OD x 12 GA and 2.875" OD x 8 GA galvanized steel tubing. Finished with a baked-on powder coating.

L. S & C Snake Overhead, Straight Snake Overhead, 90 Degree Snake Overhead [Voltage, Nucleus] Support beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA and 2 7/8" OD x 8 GA galvanized steel tubing, and formed 3/16” stainless steel plate. Finished with a baked-on powder coating. Main beam shall be one piece all welded construction consisting of 2.375" x 12 GA & 1.029" OD X 14 GA galvanized steel tubing. Finished with a baked-on powder coating. Ladder support shall be one piece all welded construction consisting of 2.375" OD x 12 GA and 2.875" OD x 8 GA galvanized steel tubing. Finished with a baked-on powder coating.

M. S & C Triangle Ladder, S Curve Triangle Ladder, Straight Triangle Ladder, 90 Degree Triangle Ladder [Nucleus, Voltage, Synergy] Support beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 2 7/8" OD x 8 GA galvanized steel tubing, and 3/16” stainless steel plate. Finished with a baked-on powder coating. Main beam shall be one piece all welded construction consisting of 2.375" x 12 GA & 1.029" OD X 14 GA galvanized steel tubing. Finished with a baked-on powder coating. Ladder support shall be one piece all welded construction consisting of 2.375" OD x 12 GA and 2.875" OD x 8 GA galvanized steel tubing. Finished with a baked-on powder coating. Freestanding end support shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA, 2 3/8" OD x 12 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing.

N. Straight, 90 deg. and S Overhead [Nucleus, Synergy] consists of one piece all welded construction consisting of 2 3/8" OD X 10 GA and 1.029" OD X 14 GA galvanized steel tubing and stainless-steel hardware.

O. Straight, 90 Deg., and S Horizontal Ladder, Round-A-Bout [Nucleus, Synergy] Horizontal ladder shall be one piece all welded construction consisting of 2 3/8” OD x 10 GA, 2 3/8” OD x 12 GA, and 1.315” OD x 12 GA galvanized steel tubing, and 3/16” thick stainless-steel plate. Finished with a baked-on powder coating. Stainless steel hardware.

P. Straight Horizontal Ladder, Incline Horizontal Ladder [Voltage] Horizontal ladder shall be one piece all welded construction consisting of 1.900” OD x 11 GA, 1.315” OD x 12 GA and 1.315” OD x 14 GA galvanized steel tubing; and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

Q. Triangle Traverse [Synergy] Single post long triangle overhead shall be one piece all welded construction consisting of 2.375" x 12 GA, 1.029" OD X 14 GA galvanized steel tubing & 7 GA Stainless Steel Sheet. Finished with a baked-on powder coating. Hardware shall be stainless steel.

R. Wrap Around Triangle Ladder [Voltage, Nucleus] Support beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 2 7/8" OD x 8 GA galvanized steel tubing, and 3/16” stainless steel plate. Finished with a baked-on powder coating. Main beam shall be one piece all welded construction consisting of 2.375" x 12 GA & 1.029" OD X 14 GA galvanized steel tubing. Finished with a

baked-on powder coating. Mid support shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA & 2 7/8" OD x 8 GA galvanized steel tubing, 3/16" stainless steel plate, and 3/4" x 1" x 16 GA rectangular steel tubing. Finished with a baked-on powder coating.

S. Wheel-About [Nucleus, Voltage] Wheel A-Bout assembly shall consist of: one piece all welded wheel consisting of 1.315 OD x 14 GA galvanized steel tubing and 2" OD x 7/16" DOM steel hub; one piece all welded beam consisting of 2.375" OD x 10 GA & 1.315" OD x 12 GA galvanized steel tubing, and 8 GA galvanized steel plate; zinc plated hardware; and bearings. Finished with a baked-on powder coating.

T. Wheel Deal [Nucleus, Voltage] Support beam shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA and 2 7/8" OD x 8 GA galvanized steel tubing, and formed 3/16" stainless steel plate. Finished with a baked-on powder coating. Wheel Deal shall consist of: a main beam made of 2.375" OD x 10 GA galvanized steel tubing and 1215 CRS threaded pins; turning wheels made of 1.315 OD x 14 GA & 1.315 OD x 12 GA galvanized steel tubing and a machined 1026 steel hub; a deep groove roller bearing; a thrust bearing; zinc plated washers and nuts; and stainless-steel set screws. Main beam and turning wheels finished with a baked-on powder coating.

U. Zippy Whirl [Intensity, Nucleus] Assembly consisting of: one piece all welded wheel consisting of 1.315 OD x 14 GA galvanized steel tubing and 2" OD x 7/16" DOM steel hub; one piece all welded beam consisting of 2.375" OD x 10 GA & 1.315" OD x 12 GA galvanized steel tubing, and formed 3/16" stainless steel plates; zinc plated hardware; and bearings. Finished with a baked-on powder coating.

V. Support Tubes and Rungs

1. Overhead Event End Supports [Nucleus, Voltage] Support shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA, 2 3/8" x 12 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

2. End Rungs [Nucleus, Voltage, Synergy] Rung shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 3/16" stainless steel plate or 7 GA stainless steel plate. Finished with a baked-on powder coating.

2.15 Panels

A. Accessible Reach Panels

1. Bee [Nucleus, Voltage, Little Buddies] Panel and bee shall be 3/4" co-extruded H.D.P.E. Standoff shall be 1/2" OD threaded stainless steel tubing.

2. Car Control [Nucleus, Voltage, Little Buddies, Synergy] Panel and knob shall be 3/4" co-extruded H.D.P.E. Standoffs shall be 1 3/8" OD threaded cold rolled steel round and 1/2" OD threaded stainless steel tubing. Steering wheel shall be an assembly consisting of 1/2" OD black tube, 2 bronze bearings, a stainless-steel screw and washer, a zinc plated push nut, and a one piece all welded steering wheel made of 14 GA spun steel and a 1018 hot rolled steel hub. Steering wheel is PVC coated after fabrication. Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate. Finished with a baked-on powder coat.

3. Finger/Maze [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be 3/4" co-extruded H.D.P.E. Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and an 8 GA galvanized steel plate.

4. Spiral Spinner [Nucleus, Voltage, Little Buddies] Bearing shall be oil impregnated, bronze. Panel and spinner shall be 3/4" co-extruded H.D.P.E. Standoff shall be 1 3/8" OD threaded cold rolled steel round.

5. Double Drums [Nucleus, Voltage, Little Buddies] Panel shall be 3/4" extruded HDPE. Drums shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface.

B. Sensory Panels

1. Bell Sensory Event Left, Right [Nucleus] Bell sensory event shall be an assembly consisting of extruded HDPE, cast aluminum bell, galvanized steel plates, bronze bushing, SS steel shaft, and SS hardware. Aluminum and galvanized steel finished with a baked-on powder coating.

2. Bubble Mirror [Nucleus, Synergy, Voltage, Little Buddies] Assembly consisting of welded bracket; formed 10 GA galvanized steel plate, 1.029" OD galvanized tubing, finished with a baked-on powder coat finish; linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface, routed HDPE panels 1/2", polycarbonate bubble window with mirror finish, SS hardware.

3. Car Panel [Synergy, Nucleus] Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and an 8 GA galvanized steel plate. Car panel knob and lever shall be ¾” co-extruded HDPE and ¾” extruded HDPE. Bronze bearing .77” X .75” X .75” shall be oil impregnated, bronze. Stand off shall be ½” OD threaded stainless steel. King pin shall be 304 stainless-steel. Steering wheel assembly shall be an assembly Consisting of a one piece all welded steering wheel made of 14 GA spun steel

and 1 3/8" OD steel tube and a bronze bearing. Steering wheel is PVC coated after fabrication.

4. Chroma Sensory Event Top, Middle, Lower [Nucleus] Chroma sensory event shall be an assembly consisting of ½" extruded HDPE, ¼" acrylic and stainless-steel hardware.

5. Classic Game Panel, Below [Nucleus, Synergy] Panel assembly shall be an assembly consisting of a ¾" co-extruded HDPE, ¼" clear polycarbonate window, ½" extruded HDPE, extruded HDPE and acetal all assembled together with stainless steel hardware. Casting flat panel shall be A356-T6 aluminum, heat-treated. Finished with a baked-on powder coating.

6. Classic Game Ring Panel [Nucleus, Synergy] Panel shall be an assembly consisting of ¼" clear polycarbonate window, ½" and ¾" extruded HDPE, co-extruded HDPE, 10 GA galvanized sheet steel finished with a baked-on powder coating, a weldment consisting of a formed ring and tubes made from 1.900" OD x 11 GA galvanized steel tubing and a formed 3/16" stainless steel plate finished with a baked-on powder coating, 5/8" OD acetal balls all assembled together with stainless steel hardware and a bronze bearing.

7. Clicker [Nucleus, Synergy, Voltage, Little Buddies] Assembly consisting of welded bracket, formed 10 GA galvanized steel plate, 1.029" OD galvanized tubing, finished with a baked-on powder coat finish; linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface, routed HDPE panels 1/2", UHMW shaft supports and flapper, Nylon sprocket, bronze bushing, SS shaft, SS hardware.

8. Grass Sensory Event Top, Middle, Lower [Nucleus] Grass sensory event shall be an assembly consisting of extruded HDPE, turf, and SS hardware.

9. Groovy Sensory Event Top, Middle, Lower [Nucleus] Groovy sensory event shall be an assembly consisting of extruded HDPE, formed galvanized steel sheet with a baked-on powder coating, SS rod, and SS hardware.

10. Hypno [Nucleus, Synergy, Voltage, Little Buddies] Assembly consisting of welded bracket, formed 10 GA galvanized steel plate, 1.029" OD galvanized tubing, finished with a baked-on powder coat finish; linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface, routed HDPE panels 1/2", bronze bushing, SS shaft standoff, injection molded HDPE bolt covers, SS hardware.

11. Hypno Sensory Event Top, Middle, Lower [Nucleus] Hypno sensory event shall be an assembly consisting of extruded HDPE panels, 3mm Dibond, bronze brushing, SS shaft standoff, injection molded HDPE bolt covers, SS hardware.

12. Melody Sensory Event Top, Middle, Lower [Nucleus] Melody sensory event shall be an assembly consisting of extruded HDPE panels, UHMW polyethylene, bronze bushing, SS shaft standoff, SS hardware.

13. Mirror Sensory Event Top, Middle, Lower [Nucleus] Mirror sensory event shall be an assembly consisting of extruded HDPE panels, polycarbonate bubble window with mirror finish, and SS hardware.

14. Pinball Panel [Nucleus, Synergy] Pinball panel assembly shall be an assembly consisting of a ¾" co-extruded HDPE, ¼" clear polycarbonate window, ½" extruded HDPE, extruded HDPE and acetal all assembled together with stainless steel hardware. Casting flat panel shall be A356-T6 aluminum, heat-treated. Finished with a baked-on powder coating.

15. Piston Panel [Nucleus, Synergy] Panel shall be ¾" co-extruded HDPE. Panel 3-in-a-row puck, knob, cam spinner shall be ¾" extruded HDPE. Bronze bearing shall be oil impregnated, bronze. Casting flat panel shall be A356-T6 aluminum, heat-treated. Finished with a baked-on powder coating. SS hardware.

16. Raindrops [Nucleus, Synergy, Voltage, Little Buddies] Assembly consisting of welded bracket, formed 10 GA galvanized steel plate, 1.029" OD galvanized tubing, finished with a baked-on powder coat finish; linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface, routed HDPE panels 1/2", Polycarbonate windows, SS balls, sealed ball bearings, injection molded HDPE bolt covers, SS hardware.

17. Raindrops Sensory Event Top, Middle, Lower [Nucleus] Raindrops sensory event shall be an assembly consisting of extruded HDPE panels, polycarbonate windows, SS balls, sealed ball bearings, injection molded HDPE bolt covers, and SS hardware.

C. Airplane Panels [Nucleus]

1. Airplane Nose Assembly: Nose panels shall be 3/4" co-extruded H.D.P.E. Weldment Cantilever Deck Support shall be one piece all welded 2.375" OD tubing w/ 7 GA, 10 GA and 12 GA sheet steel finished with a baked-on powder coating. Cantilever Platform shall be 12 GA HRPO sheet, finished with a PVC Coating. Cantilever Platform Support shall be one piece all welded construction consisting of 8 GA galvanized steel plate and a 5" OD X 11GA post, finished with a baked-on powder coating. Mounting angle brackets shall be 10 GA galvanized steel plate finished with a baked-on powder coating.

2. Airplane Door/Stanchion Panels, Slide Panels, Transfer Stair Panels and Window Panels shall be 3/4" co-extruded HDPE.

D. Crescent Panels [Nucleus, Synergy]

1. Chime crescent panel [left, right] Middle chimes panel shall be 3/4" Extruded HDPE. Front chimes panel; back chimes panel shall be 1/2" Extruded HDPE.

   Crescent frame shall be one piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked-on powder coating. Crescent chimes assembly shall be an assembly consisting of 1.00" OD x .049" wall stainless steel tubes, 1/16" diameter stainless steel wire rope, zinc plated steel washer, and zinc plated copper compression sleeves.

2. Drum 10” crescent panel shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Panel, single post drum shall be 3/4" Extruded HDPE. Nucleus, crescent frame shall be one piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked-on powder coating.

3. Rain crescent panel frame shall be one piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked-on powder coating. Single post assembly rain panel shall be 3/4" extruded HDPE, 1/2" extruded HDPE, injection molded HDPE bolt covers, polycarbonate windows, polycarbonate baffle plates, stainless steel balls, stainless steel ball bearings & stainless-steel hardware.

4. Spinner crescent panel shall be a bronze bearing .377" X .75" X .75": Oil impregnated, bronze. Spinner shall be 3/4" Co-extruded HDPE. Spinner panel shall be 3/4" Extruded HDPE. Standoff shall be 1 3/8" OD threaded cold rolled steel round. Nucleus crescent frame shall be one piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked-on powder coating.

E. Fire Truck Panels [Nucleus]

1. Below Platform 3 Stripe Panel and Full Ground Level 3 Strip Panel shall be 3/4" co-extruded H.D.P.E.

2. Below Platform Line Pressure Panel and Fireman’s Cross w/ Line Pressure Panel shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, oil impregnated bronze bearing, and stainless-steel hardware.

3. Below Platform Wheel Panel w/ Gear Assembly and Below Platform Wheel Panel w/ Pivot Assembly shall be an assembly consisting of 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., Lexan windows, nylon spacers, and stainless-steel hardware.

4. Below Platform Wheel Panel w/ Hubcap, Fire Rescue Flag Panel w/ Hubcap, and Full Ground Level Wheel Panel w/ Hubcap shall be an assembly consisting of 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware.

5. Cab Panel shall be an assembly consisting of 3/4" co-extruded H.D.P.E., anchor tube, and stainless-steel hardware. Anchor tube shall be 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating.

6. Driver Side Door Panel w/ Gear Assembly, Driver Side Door Panel w/ Pivot Assembly, Passenger Side Door Panel w/ Gear Assembly, and Passenger Side Door Panel w/ Pivot Assembly shall be an assembly consisting of 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E., 1/4" clear polycarbonate windows, Lexan windows, a full color graphic printed on 3mm DiBond, nylon spacers and stainless-steel hardware.

7. Driver Side Door Panel w/ Hubcap and Passenger Side Door Panel w/ Hubcap shall be an assembly consisting of 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E., 1/4" clear polycarbonate windows, Lexan bubble window, a full color graphic printed on 3mm DiBond, and stainless-steel hardware.

8. Fireman's Cross Panel and Fire Rescue Flag Panel shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware.

9. Truck Front Panel and Truck Front w/ Custom Name Panel shall be an assembly consisting of 3/4" co-extruded H.D.P.E., 1/4" clear polycarbonate windows, 3003 aluminum tread-brite, DiBond accent, stainless steel hardware, zinc plated steel washer, and steering wheel assembly. Steering wheel shall be an assembly consisting of 1/2" OD black tube, 2 bronze bearings, a stainless-steel screw and washer, a zinc plated push nut, and a one piece all welded steering wheel made of 14 GA spun steel and a 1018 hot rolled steel hub. Steering wheel is PVC coated after fabrication.

F. Flat Panels

1. ABC/123, Crazy Maze, Shapes, Signing, Animal Jump, Spanish/English Language, Animal Tracks, Name the States, Age Sign, Ranger Station, Bug, Acorn, 3-In-A-Row [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be 3/4" co-extruded H.D.P.E., and ½" and ¾" extruded HDPE. Pucks, and stainless-steel hardware. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

2. Barrier [Nucleus, Voltage, Little Buddies] Panel shall be 3/4" extruded H.D.P.E.

3. Bee [Nucleus, Voltage, Little Buddies] Panel and bee shall be 3/4" co-extruded H.D.P.E. Standoff shall be 1/2" OD threaded stainless steel tubing.

4. Braille [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be 3/4" co-extruded H.D.P.E. pucks, stainless steel hardware and Braille bumps shall be #7 x 5/16" U Drive screws. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

5. Bubble window [Synergy] Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate. Bubble window shall be 3/16" thick G.E. Lexan. Bubble window panel, above platform and ring shall be ¾" extruded HDPE. Hardware packages shall be stainless steel screws, nuts and washers.

6. Burke Mart [Nucleus], Panel and counter shall be 3/4" co-extruded H.D.P.E. Counter support shall be formed 8 GA. galvanized sheet steel finished with a baked-on powder coating.

7. Car Control [Nucleus, Voltage, Little Buddies] Panel and knob shall be 3/4" co-extruded H.D.P.E. Standoffs shall be 1 3/8" OD threaded cold rolled steel round and 1/2" OD threaded stainless steel tubing. Steering wheel shall be an assembly consisting of 1/2" OD black tube, 2 bronze bearings, a stainless-steel screw and washer, a zinc plated push nut, and a one piece all welded steering wheel made of 14 GA spun steel and a 1018 hot rolled steel hub. Steering wheel is PVC coated after fabrication.

8. Chime [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be an assembly consisting of 3/4" extruded H.D.P.E. panels, 1" OD x .049" wall stainless steel tubes, 1/16" diameter stainless steel wire rope, zinc plated steel washers, zinc plated copper compression sleeves, and stainless-steel screws, T-nuts & 3/8" washers. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

9. Circle, Square, Triangle [Voltage, Little Buddies] Panel shall be 3/4" extruded H.D.P.E.

10. Clock [Nucleus, Voltage, Little Buddies] Panel and hands shall be 3/4" co-extruded H.D.P.E., .377" x .75" x .75" Oil impregnated, bronze bearings, and stainless-steel washers, bolts and barrel nuts.

11. Cog Wheel [Nucleus, Voltage, Little Buddies] Panel shall be 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., injection molded H.D.P.E. bolt covers, polycarbonate windows, stainless steel balls, stainless steel ball bearings & stainless-steel hardware.

12. Counter, Storefront [Voltage, Little Buddies], Bulldozer Wheels Counter Panel [Little Buddies] Panel and counter shall be 3/4" co-extruded H.D.P.E.

Counter support shall be formed 8 GA. galvanized sheet steel finished with a baked-on powder coating.

13. Counter, Storefront [Nucleus], Counter Panel and counter shall be 3/4" co-extruded H.D.P.E. Counter support shall be formed 8 GA. galvanized sheet steel finished with a baked-on powder coating.

14. Counter Panel [Synergy], Panels and counter shall be 3/4" co-extruded H.D.P.E. Counter support shall be formed 8 GA. galvanized sheet steel finished with a baked-on powder coating Counter beam shall be one piece, all welded construction consisting of 1.660” OD X 12 GA, 7 GA stainless steel sheeting, and 10 GA galvanized steel sheeting. Finished with a baked-on powder coating. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

15. Custom Full Color Panels [Nucleus, Voltage, Little Buddies] shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware.

16. Custom Panels [Nucleus, Voltage, Little Buddies] Panel shall be 3/4" co-extruded H.D.P.E.

17. Custom Panels with Counter [Nucleus, Voltage] Counter Panel and counter shall be 3/4" co-extruded H.D.P.E. Counter support shall be formed 1" aluminum flat bar finished with a baked-on powder coating.

18. Doorway [Synergy] Door panel shall be ¾” co-extruded HDPE. Door beam shall be one piece, all welded construction consisting of 1.660” OD X 12 GA and 7 GA stainless steel sheeting. Finished with a baked-on powder coating. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate. Hardware shall be stainless steel.

19. Full Board Panel, Full Board Panel with sign, Upper Board Panel, Board Panel Enclosure [Voltage] Panel shall be 3/4" extruded H.D.P.E.

20. Gear [Nucleus, Voltage, Little Buddies] Panel shall be an assembly consisting of 3/4" extruded H.D.P.E. panel & knob, 1/2" extruded H.D.P.E. gears, 1/4" clear polycarbonate window, nylon washers, 5/8" OD nylon tube, stainless steel screws, T-nuts, and flat washers.

21. Double Drums Panel, Single Drum Panel [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be 3/4" co-extruded HDPE. Drums shall be an average of 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

22. Bulldozer Door Panel (Left & Right) [Little Buddies] shall be made of 3/4" co-extruded H.D.P.E. with a Captain's Window made of 1/4" clear polycarbonate assembled to the door panel.

23. Bulldozer Wheels Panel [Little Buddies] Panel and counter shall be 3/4" co-extruded H.D.P.E.

24. Collision [Synergy, Nucleus] Panel shall be assembly consisting of 1/4" clear polycarbonate window, 1/4", 1/2" and 3/4" extruded HDPE, co-extruded HDPE all assembled together with stainless steel hardware. Panel Bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate. Panel mounting plate shall be one piece all welded construction consisting of 10 GA and 14 GA galvanized steel plates.

25. Hide the Numbers [Nucleus, Synergy] Panel shall be assembly consisting of 3/4" Co-extruded HDPE. Flipper board, Hide the numbers; flipper, hide the numbers, clicker spinner shall be Extruded HDPE. Casting, flat panel shall consist of A356-T6 Aluminum, Heat- Treated. Panel bracket shall be one-piece welded construction consisting of a 7 GA formed stainless steel bracket and an 8 GA galvanized steel plate. Finished with baked on powder coating. Bronze bearing shall consist of .377" X .75" X .75" Oil impregnated bronze. Hardware shall be stainless steel. Instructions on Hide the Numbers shall be a full color graphic sign printed on 3mm DiBond.

26. Memory-Reactions Panel [Nucleus, Voltage, Little Buddies] Panels shall be 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E, stainless steel touch-sensors, commercial grade electronics, water-proof marine grade speaker, water-resistant rubber seals and foam gaskets, alkaline batteries & stainless-steel hardware.

27. Paratroop [Nucleus, Voltage, Little Buddies] Panel, parachute and knobs shall be 3/4" co-extruded H.D.P.E. Standoff shall be 1/2" OD threaded stainless steel tubing.

28. Rain Wheel [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E., injection molded HDPE bolt covers, polycarbonate windows, polycarbonate baffle plates, stainless steel balls, stainless steel ball bearings & stainless-steel hardware. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

29. Seek'N'Find 2-Sided Play Panel [Nucleus] consists of A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating. Oil impregnated, bronze bearing, 3/4" extruded HDPE, 3/4" Co-extruded HDPE, stainless steel hardware, and 1/2" OD threaded stainless steel tubing.

30. Sprocket [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be an assembly consisting of 3/4" extruded H.D.P.E. panel, overlays & knobs, 1/2"

extruded H.D.P.E. gears, 1/4" clear polycarbonate window, nylon washers, nylon tube, stainless steel screws, barrel nuts, and flat washers. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

31. Structure Age Sign Panels [Nucleus, Voltage, Little Buddies] shall be an assembly consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware.

32. Touch & Play Piano, Touch & Play Drum, Touch & Play Guitar & Touch & Play Steel Drum [Nucleus, Voltage, Little Buddies, Synergy] Panels shall be 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E, stainless steel touch-sensors, commercial grade electronics, water-proof marine grade speaker, water-resistant rubber seals and foam gaskets, alkaline batteries & stainless-steel hardware. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

33. Wheel of Fun [Nucleus, Voltage, Little Buddies] Panel shall be an assembly consisting of 3/4” co-extruded H.D.P.E. panel & arrow spinner, 1/2” extruded H.D.P.E. circles, bronze bearing, standoffs shall be 1/2” OD threaded stainless steel tubing, stainless steel screws, barrel-nuts & 3/8” washers.

G. Imagination Discover Panels

1. Imagination Discover Slide Sit Down Panel [Synergy] panel shall be ¾” Co-extruded HDPE. Hardware package shall be stainless steel screws and washers.

2. Imagination Discover Double Slide Sit Down Panel [Synergy] panel shall be ¾” Co-extruded HDPE. Hardware package shall be stainless steel screws and washers.

3. Imagination Discover Viper Slide Sit Down Panel [Synergy] panel shall be ¾” Co-extruded HDPE. Hardware package shall be stainless steel screws and washers.

H. Ring attachment panels

1. Charade Ring Panel [Nucleus, Synergy, Voltage, Little Buddies] Panel shall be an assembly consisting of ring attachment weldment finished with powder coat finish, 1/2" extruded H.D.P.E. panels and overlays, 3/4" extruded H.D.P.E. knobs, 1/4" clear polycarbonate window, 5/8” acetal balls, 3/8” stainless steel balls, stainless steel screws, barrel nuts, and flat washers.

2. Memory-Reactions Ring Panel [Nucleus, Synergy, Voltage, Little Buddies] Panels shall be an assembly consisting of ring attachment weldment finished with powder coat finish, 3/4" co-extruded H.D.P.E., 3/4" extruded H.D.P.E., 1/2" extruded H.D.P.E, stainless steel touch-sensors, commercial grade

electronics, water-proof marine grade speaker, water-resistant rubber seals and foam gaskets, alkaline batteries & stainless-steel hardware.

I. Rotational molded panels

1. Charade, Waver [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Nucleus includes side fillers. Panel shall be an assembly consisting of 1/2" extruded H.D.P.E. panels and overlays, 3/4" extruded H.D.P.E. knobs, 1/4" clear polycarbonate window, 5/8” acetal balls, 3/8” stainless steel balls, stainless steel screws, barrel nuts, and flat washers. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

2. Hole [Nucleus, Voltage, Little Buddies] Panel shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Nucleus includes side fillers

   a. Bubble Window: 3/16" thick G.E. Lexan plastic.
   b. Circle Panel: 1/2" thick, high-density polyethylene.
   c. Flat Window: 1/4" thick G.E. Lexan plastic.
   d. Mirror: 16 GA stainless steel plate with #8 finish.

3. Race Car [Nucleus, Voltage] Panel shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, molded in graphics, and a textured outside surface.

4. Propeller [Nucleus, Voltage, Little Buddies, Synergy] Panel shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Nucleus includes side fillers. Panel shall be an assembly consisting of 1/2" extruded H.D.P.E. panels and overlays, 3/4" extruded H.D.P.E. knobs, 1/4" clear polycarbonate window, 5/8” acetal balls, 1/4” stainless steel balls, stainless steel screws, barrel nuts, and flat washers. Panel bracket shall be one piece welded construction consisting of a 7 GA formed stainless steel bracket and a 8 GA galvanized steel plate.

5. Tic-Tac-Toe [Nucleus, Voltage, Little Buddies] Panel shall be an assembly consisting of 1.029" OD x 14 GA galvanized steel tubing; an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene panel with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface; an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene cubes with a textured outside surface; and nylon washers.

J. Ship [Nucleus] Panels

1. Below Platform Ship Board Panels and Ship Board Panels shall be 3/4" co-extruded H.D.P.E.

2. Below Platform Ship Board Panel w/ Pirate, Below Platform Ship Board Panel w/ Cannon, Ship Board Panel w/ Pirate, Below Platform Ship Board Panel w/ Custom Image 41”, Below Platform Ship Board Panel w/ Custom Image 25”, and Ship Board Panel w/ Custom Image 41” shall be assemblies consisting of 3/4" co-extruded H.D.P.E., a full color graphic printed on 3mm DiBond, and stainless-steel hardware.

3. Below Platform Ship Board Panel w/ Port Holes and Ship Board Panel w/ Port Holes shall be an assembly consisting of 3/4" co-extruded H.D.P.E., 1/2" extruded H.D.P.E., Lexan windows, and stainless-steel hardware.

K. Vehicle Panels

1. Vehicle Hood [Nucleus] Casting, flat panel shall be A356-T6 Aluminum, Heat- Treated and finished with baked on powder coating. Vehicle hood custom assy shall be 3/4" extruded HDPE, 3/4” co-extruded HDPE, DiBond accent, bronze bearing, zinc plated steel hardware & stainless-steel hardware. Hardware package shall be stainless steel.

2. Vehicle Front Door [Nucleus] Casting, flat panel shall be A356-T6 Aluminum, Heat- Treated and finished with baked on powder coating. Vehicle front door custom assy shall be 3/4" extruded HDPE, 1/4" clear polycarbonate windows, DiBond accent & zinc plated steel hardware. Hardware package; hardware package shall be stainless steel.

3. Vehicle Back Door [Nucleus] Casting, flat panel shall be A356-T6 Aluminum, Heat- Treated and finished with baked on powder coating. Vehicle back door custom assy shall be 3/4" extruded HDPE, 1/4" clear polycarbonate windows, DiBond accent & zinc plated steel hardware. Hardware package; hardware package shall be stainless steel.

4. Vehicle Rear [Nucleus] Casting, flat panel shall be A356-T6 Aluminum, Heat- Treated and finished with baked on powder coating. Vehicle rear custom assy shall be 3/4" extruded HDPE, 3/4" co-extruded HDPE, 1/4" clear polycarbonate windows, DiBond accent, bronze bearing, zinc plated steel hardware & stainless-steel hardware. Hardware package; hardware package shall be stainless steel.

2.16 Ramps

A. ADA Ramp [Nucleus, Voltage] Ramp surface shall be one piece all welded construction consisting of 12 GA surfaces and 12 GA, 11 GA & 7 GA gussets. PVC coated after fabrication.

1. Barriers shall be one piece all welded construction consisting of 1.029" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing, 1.315" OD x 14 GA &

1.900" OD x 11 GA galvanized steel tubing and 14 GA, 10 GA & 8 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA, 10 GA & 8 GA galvanized steel plate. Finished with a baked-on powder coating.

B. ADA Entrance Ramp [Nucleus, Voltage] Entrance plate shall be 7 GA HR steel and PVC coated after fabrication. Support tube shall be 1.315" OD x 12 GA or 1.900" OD x 11 GA galvanized steel tubing finished with a baked-on powder coating. Ramp surface shall be one piece all welded construction consisting of 12 GA surfaces and 11 GA gussets. PVC coated after fabrication.

1. Barriers shall be one piece all welded construction consisting of 1.029" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing, 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA & 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA & 10 GA galvanized steel plate. Finished with a baked-on powder coating.

C. Double Wide Ramp [Nucleus] Each Ramp section shall be one piece all welded construction consisting of 12 GA surfaces and 12 GA, 11 GA & 7 GA gussets. PVC coated after fabrication.

1. Barriers shall be one piece all welded construction consisting of 1.029" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing, 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA, 10 GA & 8 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA, 10 GA & 8 GA galvanized steel plate. Finished with a baked-on powder coating.

3. Closure plate for Switchback Ramp shall be galvanized 12 GA steel finished with a baked-on powder coating.

D. Double Wide Entrance Ramp [Nucleus] Entrance plate shall be 7 GA HR steel and PVC coated after fabrication. Support tube shall be 1.315" OD x 12 GA or 1.900" OD x 11 GA galvanized steel tubing finished with a baked-on powder coating. Ramp surface shall be one piece all welded construction consisting of 12 GA surfaces and 11 GA gussets. PVC coated after fabrication.

1. Barriers shall be one piece all welded construction consisting of 1.029" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing, 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA & 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.900" OD x 11 GA galvanized steel tubing and 14 GA & 10 GA galvanized steel plate. Finished with a baked-on powder coating.

3. Closure plate for Switchback Ramp shall be galvanized 12 GA steel finished with a baked-on powder coating.

E. Sensory Rail 8" Rise Ramp, Sensory Rail 8" Rise Entrance Ramp [Nucleus] Evolution 8' ramp guardrail left, evolution 8' ramp guardrail right shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating. 8' ramp slot sides shall be one piece all welded construction consisting of 12 GA surfaces and 7 GA gussets. PVC coated after fabrication. Casting, straight bracket shall be A356-T6 aluminum, heat-treated. Finished with a baked-on powder coating. High infill plate 8 GA, low infill plate 8 GA shall be 8 GA galvanized steel plate. Finished with a baked-on powder coating. Evolution 8' ramp roll guard shall be ¾" extruded HDPE. Entrance plate shall be 7 GA HR steel. PVC coated after fabrication. Anchor tube shall be 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Hardware shall be stainless steel screws, nuts and washers and aluminum rivets with 302 stainless steel pins.

F. Sensory Rail, Top, Middle, Lower Panel [Nucleus] sensory rail shall be ¾" extruded HDPE. Hardware shall be stainless steel.

2.17 Roofs and Roof Adapters

A. Roof Adapters [Little Buddies] One piece all welded construction consisting of 3 1/2" OD x 11 GA and 2.875" OD x 8 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating.

B. Roof Adapters [Voltage] One piece all welded construction consisting of 4" OD x 7 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating -- OR -- one piece all welded construction consisting of 4 1/2" OD x 11 GA HPRO EW steel tubing finished with cadmium yellow chromate plating, 4" OD x 7 GA galvanized steel tube, and 14 GA galvanized sheet steel. Finished with a baked-on powder coating.

C. Ara Shade Canopies [Nucleus, Intensity] Shade fabric shall be knitted of monofilament and tape construction high density polyethylene with ultraviolet stabilizers, woven polyester and vinyl reinforcements. Attachment cables shall be .31" diameter vinyl covered galvanized cable with galvanized turnbuckle and zinc-plated copper cable fasteners and will be pre-inserted into canopy hem. Canopy rafters, support brace and roof connectors shall each be one piece all welded construction of 2 3/8" OD and 5" OD galvanized steel tubing finished with a baked-on powder coating. Stainless steel hardware.

D. Arched Punched Steel Roof [Little Buddies] Roof panel shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, 16 GA

HR sheet steel, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Arches shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 7 GA HRPO steel plate. Finished with a baked-on powder coating.

E. Arched Punched Steel Roof [Voltage] Roof panel shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, 16 GA HR sheet steel, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Arched posts shall be one piece all welded construction consisting of 3.50" OD x .216" wall aluminum pipe and 3/16" aluminum plate. Finished with a baked-on coating.

F. Clubhouse Roofs [Nucleus]

1. Clubhouse Hex Roof shall have roof supports that are one piece all welded construction consisting of 5" OD X 3/16 wall tubing, 12 GA galvanized sheet steel, 10 GA galvanized sheet steel, 8 GA galvanized sheet steel and 3/8-16 X 3/4" weld screws. Finished with a baked-on powder coating. Clubhouse hex roof assemblies shall consist of: all welded 12 GA and 14 GA galvanized steel formed supports finished with a baked-on powder coat, 3/4" recycled HDPE wood planks, zinc plated steel screws and 18-8 stainless steel flat and split lock washers. The hardware package shall contain zinc plated steel lock nuts, aluminum rivets and stainless-steel washers.

2. Clubhouse Retreat Roof and Clubhouse Tilt Roof shall have roof supports that are one piece all welded construction consisting of 5” OD X 11 GA galvanized steel tubing, 8 GA galvanized steel plate, and 7 GA HRPO steel plate. Finished with a baked-on powder coating. Clubhouse retreat and tilt roof assembly shall consist of: assembly consisting of: 10 GA galvanized steel formed supports and 14 GA galvanized steel channel support; all finished with a baked-on powder coat, 3/4" recycled HDPE wood planks, zinc plated steel screws and 18-8 stainless steel flat and split lock washers. The hardware package shall contain stainless steel button head cap screws, nuts, washers and lock washers; zinc plated pan head screws and aluminum rivets with 302 stainless steel pin.

G. Concave and Convex Roof [Nucleus] Curved post adapters shall be one piece all welded construction consisting of 5" OD x 11 gage galvanized steel tubing, 10 gage galvanized steel plate and 3/8" nut insert. Finished with a baked-on powder coating. Side frames shall be one piece all welded construction consisting of formed 2" x 6" x 1/4" wall structural aluminum tubing, 1/8" thick plates and 3/8" zinc plated nut inserts. Finished with a baked-on powder coating. Cross braces to be one piece all welded construction consisting of 1.315" OD tubing and 10 gage galvanized steel mounting plates. Some will also have 3/8" zinc plated nut inserts Finished with baked on powder coat. End plates shall be formed galvanized sheet steel 10 gage. Finished with baked on powder coat. Roof panel shall be corrugated aluminum sheet 25 gage.

H. Elation Roofs [Synergy] ½” extruded HDPE secured to welded support toppers which are one-piece welded construction consisting of 3.5" OD X 12 GA galvanized tubing, 8 GA galvanized sheet steel and 10 GA galvanized sheet steel, 1.315” OD X 12 GA galvanized steel cross bars and 10 GA galvanized sheet steel all finished with a baked-on powder coat. Single post elation roofs shall be one piece welded construction consisting of 3.5" OD X 11 GA galvanized tubing, 1.315" OD X 12 GA galvanized tubing, and 10 GA galvanized sheet steel finished with a baked-on powder coat.

I. Evolution Roofs [Nucleus] shall contain support weldments that are one piece all welded construction consisting of 2 3/8” OD X 10 GA galvanized steel tubing, 7 GA stainless steel sheeting, and 8 GA galvanized steel plating. The crossbars shall be one piece all welded construction consisting of 7 GA stainless steel sheeting, 8 GA galvanized steel plating, and 1.315” OD x 12 GA galvanized steel tubing. The roof plate shall be 14 GA galvanized steel sheeting. The roof end plate shall be 8 GA galvanized steel sheeting. All metal shall be finished with a baked-on powder coating. All hardware shall be stainless steel.

J. Hexagonal Peak Roof [Voltage, Little Buddies] Roof shall be 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.

K. Hex ShadePlay Canopy [Synergy] 1/2 “DIA x 1 ½” dowel pin, shall be hardened steel with a zinc chromate finish. Plate, end cap tension arm plate, and stationary pivot arm shall be, 8 GA galvanized steel plate. Finished with a baked-on powder coating. Rafter adapter shall be, 1.900” x 11 Ga galvanized steel tubing, Finished with a baked-on powder coating. Tensioning arm shall be, one piece welded construction of galvanized steel tubing. Finished with a baked-on powder coating. Long synergy rafter shall be, one piece all welded construction consisting of 1.900” x 11 GA, 1.660” OD x 12 GA, 3.4” OD x 11 GA galvanized steel tubing and a machined, zinc-plated steel pivot. Finished with a baked-on powder coating. Hardware shall be, stainless steel screws, washers & nuts, zinc plated steel lock nuts & hex head screws, and aluminum rivet with stainless steel pin. Canopy with cables shall be, monofilament and tape construction high density polyethylene knitted shade fabric with vinyl covered galvanized cables and galvanized turnbuckles. Performance Specification: shade canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

L. Metal Hex Roof and Metal Half Hex Roof [Voltage] Metal roof supports shall be one piece all welded construction consisting of 4 ½” OD x 3/16” and 3 ½” OD x 3/16” wall steel tubing, 12 GA galvanized sheet steel, 10 GA galvanized sheet steel, 8 GA galvanized sheet steel and 3/8-16 x ¾” weld screws, finished with a baked-on powder coating. Half Hex Support shall be one piece all welded construction consisting of 12 GA galvanized steel sheet and 3/8 -16 x ¾” weld screws, finished with a baked-on powder coating. Roof panels shall be 14 GA galvanized sheet steel, finished with a baked-on powder coating.

M. Metal Half Hex Roof, Metal Square Roof, [Nucleus] Metal roof supports shall be one piece all welded construction consisting of 5” OD x 120” wall steel tubing, 12 GA galvanized sheet steel, 8 GA galvanized sheet steel, 8 GA galvanized sheet steel and 3/8-16 x ¾” weld screws, finished with a baked-on powder coating. Half Hex Support shall be one piece all welded construction consisting of 12 GA galvanized steel sheet and 3/8 -16 x ¾” weld screws, finished with a baked-on powder coating. Roof panels shall be 14 GA galvanized sheet steel, finished with a baked-on powder coating.

N. Niso Roof [Synergy] Niso roof shall be linear, low density rotationally molded, U.V. stabilized, polyethylene, .250” thick, double wall construction. Textured outside surface. Plate shall be 12 GA galvanized sheet steel. Finished with a baked-on powder coating. Hardware shall be SS, and aluminum rivets with SS pins.

O. Petal Post Topper [Nucleus, Synergy, Voltage] Petal Post Topper shall be 1/4” thick, linear, low density, rotationally molded, UV stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts and textured surface. Secured to posts with 1/4" x 1/2” stainless steel pinned aluminum drive rivets.

P. ShadePlay Canopy [Nucleus, Synergy, Voltage, Little Buddies] Shade fabric shall be knitted of monofilament and tape construction high density polyethylene with Ultra Violet stabilizers. Attachment cables shall be .31” diameter vinyl covered galvanized cable with galvanized turnbuckle and will be pre-inserted into canopy hem. Canopy rafters and roof connectors shall each be one piece all welded construction of 1.660” OD, 1900” OD, 2 3/8” OD and/or 3 1/2” OD galvanized steel tubing finished with a baked-on powder coating. End cap shall be aluminum finished with a baked-on powder coating. [Little Buddies] Support tube shall be 2 3/8” OD galvanized steel tube with a baked-on powder coating finish. Support tube mounting brackets shall be hot-dipped galvanized, grade 32510, malleable iron finished with a baked-on powder coating.

Q. ShadePlay Canopy 15’ x 19’[Synergy] 1/2 DIA x 1 1/2 dowel pin shall be, hardened steel with a zinc chromate finish. End cap and stationary pivot arm shall be, 8 GA galvanized steel plate finished with a baked-on powder coating. Connector insert shall be, 1” x 1 ¼” HR steel bar finished with a baked-on powder coating. Mid-support shall be, one piece welded construction of 1.9” OD x 11 GA galvanized steel tubing finished with a baked-on powder coating. Tensioning arm shall be, one piece welded construction of galvanized steel tubing, Finished with a baked-on powder coating. Long synergy rafter shall be, one piece welded construction of 1.900” OD 11 Ga, 1.660” OD 12 GA and 3 1/2” OD 11 GA galvanized steel tubing. Finished with a baked-on powder coating. Hardware shall be, stainless steel screws, washers & nuts, zinc plated steel lock nuts & hex head screws, and aluminum rivet with stainless steel pin. Canopy with cables shall be monofilament and tape construction high density polyethylene knitted shade fabric with vinyl covered galvanized cables, zinc-plated copper cable fasteners hot galvanized dipped turnbuckles, Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

R. Shaker Square Roof [Nucleus, Voltage] Roof shall be 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.

S. Shaker Hex Roof [Nucleus, Voltage] Roof shall be 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction and molded in threaded inserts.

T. Steel Quad Roof, Steel Quad Roof with Cupola, Steel Square Roof [Nucleus, Voltage] Cupola support shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Flag pole shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing, and 10 GA and 14 GA galvanized steel plate. Finished with a baked-on powder coating. Roof panels shall be 14 GA galvanized sheet steel. Finished with a baked-on powder coating.

U. Square Peak Roof [Voltage, Little Buddies] Roof shall be 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.

V. Square Peak Roof [Synergy] Roof shall be 3/16” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction. Roof adapter shall be one piece all welded construction consisting of 3 ½” OD x 11 GA and 3 3/16” OD x 11 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked-on powder coating. Hardware shall be aluminum rivets with stainless steel pins.

W. Square ShadePlay 12 x12 [Synergy] ½” DIA x 1 ½ dowel pin, shall be hardened steel with a zinc chromate finish. Plate, end cap tension arm plate, end cap, & stationary pivot arm, shall be 8 GA galvanized steel plate. Finished with a baked-on powder coating. Tensioning arm shall be, one piece welded construction of galvanized steel tubing. Finished with a baked powder coating. Short synergy rafter shall be one piece all welded construction consisting of 1.900” OD X 11 GA, 1.660” OD x 12 GA, 3.5” OD x 11 GA galvanized steel tubing and a machined, zinc-plated steel pivot. Finished with a baked-on powder coating. Hardware shall be stainless steel screws, washers & nuts, zinc plated steel lock nuts & hex head screws, and aluminum rivet with stainless steel pin. Canopy with cables shall be monofilament and tape construction high density polyethylene knitted shade fabric with vinyl covered galvanized cables and galvanized turnbuckles. Performance Specification: 12’ X 12’ Shade canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

X. Square ShadePlay 15 x 15 [Synergy] ½” DIA x 1 ½ dowel pin shall be hardened steel with a zinc chromate finish. Plate, end cap, and stationary pivot arm, shall be 8 GA galvanized steel plate. Finished with a baked-on powder coating. Rafter adaptor shall be 1.900” DIA x 11 GA galvanized steel tubing. Finished with a baked-on

powder coating. Connector 1” x 1 ¼” HR steel bar. Finished with a baked-on powder coating. Tensioning arm shall be once piece welded construction of galvanized steel tubing. Finished with a baked-on powder coating. Long synergy rafter, shall be one piece all welded construction consisting of 1.900” OD x 11 GA, 1.660” OD x 12 GA, 3.5” OD x 11 GA galvanized steel tubing and a machined, zinc-plated steel pivot. Finished with a baked-on powder coating. Hardware shall be stainless steel screws, washers & nuts, zinc plated steel lock nuts & hex head screws, and aluminum rivet with stainless steel pin. Canopy with cables shall be, monofilament and tape construction high density polyethylene knitted shade fabric with vinyl covered galvanized cables and galvanized turnbuckles. Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

Y. Triple Petal Post Topper [Nucleus] Petal Post Topper shall be 1/4” thick, linear, low density, rotationally molded, UV stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts and textured surface. Triple Petal Post Adapter shall be a one piece all welded construction consisting of 5” OD x 12 GA galvanized tubing and 10 GA galvanized plate, finished with a baked-on powder coating. Plastic Petal topper is secured to post adapter and post adapter is secured to post with 1/4" x 1/2” stainless steel pinned aluminum drive rivets.

2.18 Slides (SEPARATE HOODS FROM SLIDES, REMOVE SIDE FILLERS)

A. Cobra Slides [Nucleus] The entrance, transition, exit, and Viper (Fusion only) sections shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts (excluding Viper sections), and a matte finish on the bedway, textured exterior surface. The tube sections shall be 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with single wall construction, and a smooth finish on bedway, textured exterior surface. Slide supports shall be one piece all welded construction consisting of 1.900” OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plating. Exit support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Entrance connection shall contain an A356-T6 Aluminum, heat treated casting and a one piece all welded construction consisting of 8 GA and 10 GA galvanized steel sheeting. Entrance plate shall be 14 GA galvanized steel sheeting. No Climb Barrier shall contain a 1.900” OD X 11 GA galvanized steel tubing, a one piece all welded construction consisting of 1.900” X 11 GA galvanized steel tubing and 1 5/8” OD x 1/8” wall zinc-plated steel tube. Finished with a baked-on powder coating, and a 3/4” co-extruded panel. All metal is finished with a baked-on powder coating. Slide window shall be 3/16” thick G.E. Lexan. Probe brackets shall be one piece all welded construction consisting of formed 7 GA stainless steel and 8 GA galvanized steel plate. Finished with a baked-on powder coating. All hardware is stainless steel. For Fusion slides see product specifications for Viper Slides.

1. Hillside Cobra Slide Transition; Hillside Cobra Slide Straight Section; Hillside Cobra Slide Short Straight Section; Hillside Cobra Slide Tight Turn Section; Hillside Cobra Slide Wide Turn Section [Nucleus]: Slide sections to be linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface.

2. Hillside Cobra Support: Support to be 8GA formed plate welded to 1.900" OD tubing. Finished with a baked-on powder coating.

B. Contour [Nucleus, Synergy] Slide shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Slide mid support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Slide exit supports shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating.

C. Contour [Voltage] S3 90-degree bracket casting, shall be A356-T6 Aluminum, heat-treated. Finished with baked on powder coating. Support tube shall be 1.315” OD x 12 GA galvanized tubing. Finished with a baked-on powder coating. Double slide hood and Contour slide, shall be double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts, and a textured surface. Slide exit support, shall be one piece all welded construction consisting of 2 3/8” OD x 12 Ga galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Hood mount bracket 1.315 x 1 ½”, shall be 10 GA mounting plated welded to 1.315” OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coat. Luge slide mid support shall be, one piece all welded construction consisting of 2 /38” OD x 10 GA galvanized steel tubing and 2 ½” x 1 ½” x 3/16” HRS angle. Finished with a baked-on powder coating after fabrication. Hardware shall be stainless steel and aluminum rivets.

D. Evolution Slide Arch [Nucleus] Core slide arches shall be one-piece welded construction consisting of 2 3/8” OD x 10 GA galvanized steel tubing, 10 GA galvanized sheet steel, 1.315” OD x 12 GA galvanized steel tubing and 7 GA stainless steel brackets finished with a baked-on powder coating. Slide arch platform shall be one-piece welded construction consisting of 12 GA HRPO sheet steel finished with a dipped PVC coating. Slide arch handle shall be one-piece welded construction consisting of 8 GA galvanized sheet steel and 1.315” OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Slide cross tube shall be 1.315” OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Panels shall be ¾” co-extruded HDPE. Stainless steel hardware.

E. Extreme Twist Spiral Slide [Nucleus, Synergy] Slide hood weldment, spiral slide left, slide hood weldment, spiral slide right shall be one piece all welded construction consisting of 1.315” OD x 12 GA galvanized steel tubing, 8 GA and 10 GA

galvanized steel plating. Finished with a baked-on powder coating. Spiral slide center post shall be one piece all welded construction consisting of 3.5” OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plating. Finished with a baked-on powder coating. Slide hood, spiral slide, single piece shall be linear, low density rotationally molded, U.V. stabilized, polyethylene, .250” thick, double wall construction. Textured outside surface. Casting, flat panel shall be A356-T6 aluminum, heat-treated. Finished with a baked-on powder coating. Pod walk support 40” shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Stainless steel hardware.

F. Hood, Single and Double [Nucleus, Voltage, Little Buddies] Hood shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

G. Crescent Platform [Nucleus]: Slide section is linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface. Mounting brackets shall be one-piece all welded construction consisting of 8GA galvanized steel. Finished with a baked-on powder coating. Mounting plate shall be 14 GA galvanized sheet steel, finished with a baked-on powder coating. Stainless steel assembly hardware.

H. Hillside Fusion Slide Entrance: Slide sections shall be linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface. Mounting brackets shall be A356-T6 Aluminum, Heat-treated and one piece all welded construction consisting of 8 GA galvanized steel. Finished with a baked-on powder coating. Mounting plate shall be 14 GA galvanized sheet steel, finished with a baked-on powder coating. Stainless steel assembly hardware.

I. Monaco [Nucleus, Synergy] Slide shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Slide exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating.

J. Monaco [Voltage] Casting, S3 straight bracket, shall be A356-T6 aluminum, heat treated. Finished with baked on powder coating. Slide hood w/ narrow slides and Monaco slide, shall be ¼” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8” T-nut inserts, and a textured surface. Slide exit support shall be one piece all welded construction consisting of 2 3/8” OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Mounting tube 5 11/16” – S3, shall be one piece all welded construction consisting of a 1.315 OD x .083” wall galvanized tube and a 12L14 steel threaded insert. Finished with a baked-on powder

coating. Hardware shall be stainless steel screws & washers and aluminum rivets with 302 stainless steel pin.

K. Rock'n Roll Slide [Nucleus, Synergy, Voltage, Little Buddies] Slide shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Slide side barrier shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized sheet steel, and HDPE threaded inserts. Finished with a baked-on powder coating. Slide mid support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Slide exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Side filler casting shall be cast A56 Aluminum; finished with baked on powder coating. Grab bar shall be one piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

L. Sit Down Bar, Single and Double [Synergy] Sit down bar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat. Hardware package shall be stainless steel screws and washers.

M. Spark Slide [Synergy] Slide shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Slide exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating.

N. Spiral Slide [Voltage, Little Buddies, Genesis] and Spiral Slide w/Attachment Plate [Voltage, Little Buddies] Support post shall be 3 1/2" OD x 11 GA galvanized steel tubing. Exit support shall be one piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 8 GA galvanized plate finished with a baked-on powder coating. Walkway shall be one piece all welded construction consisting of 12 GA surfaces and gussets. PVC coated after fabrication. Barriers shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.029" OD x 14 GA galvanized steel tubing, 10GA & 12 GA galvanized steel plate, and HR steel bar stock. Finished with a baked-on powder coating. Slide shall be an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and textured outside surfaces.

O. Spiral Slide [Nucleus, Voltage] Clamping shall be hot-dipped galvanized, grade 32510, malleable iron. Spacers shall be 1/2" OD x .058" wall plated black tubing. Center post shall be 3 1/2" OD x 11 GA galvanized steel tubing finished with a baked-on powder coating. Exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Platform bracket shall be one piece

all welded construction with 7 GA HRPO steel plate and gussets for 56” and 64” slides, finished with a baked-on powder coating. Platform adapter shall be one piece all welded construction with 8 GA galvanized sheet, 1.029” x 14 GA galvanized tubing and SS T-nuts for 72” slide, finished with a baked-on powder coating. Slide, walkway, and enclosures shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and textured outside surfaces.

P. Steel Slides [Voltage, Synergy, Nucleus] Attachment plate shall be 10 GA galvanized steel plate finished with a baked-on powder coating. Exit supports shall be 1.660" OD X 14 GA galvanized steel tubing finished with a baked-on powder coating. Slide shall be an assembly consisting of 16 GA stainless steel bedway and support rungs with BA Finish (Bright Annealed), side rail weldments consisting of 1/8" thick extruded aluminum side D-rail and 1/8" aluminum plate, steel nut inserts and steel rivets. Side rails finished with a baked-on powder coating. Enclosure or Sit-Down Bar shall be one piece all welded construction consisting of formed 1.315” OD x 14 GA galvanized steel tubing and formed 3/16” stainless steel plates. Finished with a baked-on powder coating. [Voltage, Nucleus] Sit-Down Bar shall be one piece all welded construction consisting of formed 1.315” OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating.

Q. SS Wavy Slide, SS Slide 32”-40”, 48”-56”, 64”-72” [Synergy] Steel slide shall be one piece all welded construction consisting of formed 1.315" X 12 GA galvanized steel tubes. Finished with a baked-on powder coating. Plastic threaded inserts are inserted into the bottom of the piece. Support exit shall be 1.660" OD x 13 GA galvanized steel tubing finished with a baked-on powder coating. Casting bracket shall be A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating. Slide assembly shall be assembly consisting of 16 GA stainless steel bedway and rungs, side rail weldments consisting of 1/8" thick extruded aluminum side D-rail and 1/8" aluminum plate, steel nut inserts and steel rivets. Side rails finished with a baked-on powder coating. Hardware package shall be stainless steel and aluminum rivets.

R. Thrill Ride Slide & Thrill Ride Slide w/Window [Nucleus, Voltage] Entrance shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Tubes shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Exit support shall be one piece all welded construction consisting of 1.029" OD X 14 GA and 2.375" OD x 12 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Mid supports shall be one piece all welded construction consisting of 1" SQ x .120" wall tubing, 14 GA steel plates, and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Formed tube window shall be 3/16” thick G.E. Lexan^{TM} .

S. Tube Slide & Tube Slide w/Window [Nucleus, Voltage, Little Buddies] Entrance shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V.

stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Tubes shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Exit support shall be one piece all welded construction consisting of 1.029" OD X 14 GA and 2.375" OD x 12 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Mid supports shall be one piece all welded construction consisting of 1" SQ x .120" wall tubing, 14 GA steel plates, and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Formed tube window shall be 3/16” thick G.E. Lexan ^{TM} .

T. Viper Slides [Nucleus, Synergy, Voltage] All slide sections shall be an average of 1/4” thick (minimum 1/4" in bedway), linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts (Entrance only), and a matte finish on the bedway, textured exterior surface. Slide barriers shall be weldment consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized sheet steel, and HDPE threaded inserts. Finished with a baked-on powder coating. Hood mounting tube shall be 1.315" OD x 12 GA galvanized tubing finished with a baked-on powder coating, connected to post with KoreKonnect ™ clamp castings. Slide supports shall be 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat. Exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Side filler (Nucleus only) shall be cast aluminum. (Turn sections) shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.

1. Slide Hood [Nucleus, Voltage] Hood shall be an average of 1/4” thick (minimum 1/4" in bedway), linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a matte finish on the inside, textured exterior surface

2. Viper Slide Sit Down Bar [Synergy] Sit down bar shall be one piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat. Grab bar shall be one piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat. Hardware package shall be stainless steel screws and washers.

U. Viper II Slides [Nucleus, Synergy, Voltage] All slide sections and hood shall be an average of 1/4” thick (minimum 1/4" in bedway), linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts (Entrance only), and a matte finish on the bedway, textured exterior surface. Entrance platforms shall be 12 gage formed steel, 12 gage gussets, finished with PVC coating. Double slide hood shall be 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction,

molded in 3/8" T-nut inserts, and a textured surface. Hood mount brackets shall consist of 1.029” OD and 1.315” OD tubing, welded to either 10 gage galvanized plate or 3/16” stainless steel plate, finished with a baked-on powder coating, connected to post with KoreKonnect ™ clamp castings. Slide supports shall be 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat. Exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating.

V. Viper III Slides [Nucleus, Voltage] All slide sections, spacers and hood shall be an average of 1/4” thick (minimum 1/4" in bedway), linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts (Entrance only), and a matte finish on the bedway, textured exterior surface. Hood mount brackets shall consist of 1.029” OD and 1.315” OD tubing, welded to either 10 gage galvanized plate or 3/16” stainless steel plate, finished with a baked-on powder coating, connected to post with KoreKonnect ™ clamp castings. Slide supports shall be 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat. Exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Side filler (Nucleus only) shall be cast aluminum.

W. 96” Spiral Tube Slide Around Post [Voltage] Entrance shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Tubes shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Exit support shall be one piece all welded construction consisting of 1.029" OD X 14 GA and 2.375" OD x 12 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Mid supports shall be one piece all welded construction consisting of 1" SQ x .120" wall tubing, 14 GA steel plates, and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

X. 96” and 112” Spiral Tube Slide [Nucleus, Voltage] Hole Panel shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Tubes shall be an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Exit support shall be one piece all welded construction consisting of 1.029" OD X 14 GA and 2.375" OD x 12 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Mid supports shall be one piece all welded construction consisting of 1" SQ x .120" wall tubing, 14 GA steel plates, and 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

Y. Roller Slide [Voltage, Synergy, Nucleus] Entrance Platform shall be one piece all welded construction consisting of 10 GA HRPO steel plating. Finished with PVC coating. Rails shall be one piece all welded construction consisting of formed 1.315"

OD X 14 GA galvanized steel tubes and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Footer supports shall be one piece all welded construction consisting of a 1.029" OD X 14 GA galvanized steel tube and a 1.315" OD X 12 GA galvanized steel tube. Finished with a baked-on powder coating. Enclosure shall consist of one piece all welded construction consisting of formed 1.315" X 12 GA galvanized steel tubes. Finished with a baked-on powder coating. Plastic threaded inserts are inserted into the bottom of the piece. Rollers for the bed way shall be an assembly consisting of 2" OD steel tube, ABEC ball bearings, and dual rubber labyrinth seal. Finished with a baked-on powder coating. Grab bar shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

Z. Luge Slide [Nucleus, Synergy, Voltage] Slide & Hood shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Slide side barrier shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized sheet steel, and HDPE threaded inserts. Finished with a baked-on powder coating. Slide mid support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA or 10 GA galvanized steel tubing and 10 GA galvanized sheet steel, and 2 ½" X 1 ½" X 3/16" HRS angle. Finished with a baked-on powder coating. Slide exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Side filler casting shall be cast A56 Aluminum; finished with baked on powder coating.

1. Double CSA Slide Hood [Synergy] Double slide hood shall be double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Support tube shall be 1.315" OD x 12 GA galvanized tubing finished with a baked-on powder coating. Casting bracket shall be A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating. Hood mount bracket 1.315" X 1 ½" shall be 10 gage mounting plate welded to 1.315" OD tubing. Finished with baked on powder coat. Hardware package shall be stainless steel and aluminum rivets with stainless steel pins.

AA. Velo Slides, 64"-72" & 88"-96" [Nucleus, Synergy, Voltage] Slide & Hood shall consist of 1/4" min. thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface. Slide side barrier shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized sheet steel, and HDPE threaded inserts. Finished with a baked-on powder coating. Slide mid support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating. Slide exit support shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked-on powder coating. Side filler casting shall be cast A56 Aluminum; finished with baked on powder coating. Grab bar shall be one piece

welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

2.19 Stairways

A. Narrow Stairway [Nucleus, Voltage] Anchor tubes shall be 1.660" OD x 13 GA galvanized steel tubing finished with a baked-on powder coating. Stairs shall be one piece all welded construction consisting of 12 GA HRPO and/or 10 GA HRPO steel surfaces and sides. PVC coated after fabrication.

1. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating.

2. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA, 1.315" OD x 14 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating.

B. NaturePlay Transfer Stump [Nucleus, Voltage, Little Buddies]. Stump shall be manufactured from Glass Fiber Reinforced Concrete (GFRC) with cast in threaded inserts. Glass fiber is Alkali Resistant (AR) type formulated for concrete. GFRC shall be 1,500 pounds per square inch in tension, 5,000 pounds per square inch in compression. GFRC is colored with an integral color and sealed with a V-Seal. Final coloring is achieved with a latex stain formulated for concrete. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Accessible stair shall be one piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

C. Slide Platform and Stair [Burke Basics] Anchor tube shall be 1.660" OD x 13 GA galvanized steel tubing finished with a baked-on powder coating. Bracket shall be one piece all welded construction consisting of 7 GA HRPO steel plate and 1.029" OD x 14 GA galvanized steel tubing. Finished with a baked-on powder coating. Platform shall be one piece all welded construction consisting of 12 GA surfaces and gussets, and 7 GA corner plates. PVC coated after fabrication. Pipe wall shall be one piece all welded construction consisting of 1.029" OD x 14 GA and 1.315" OD x 14 GA galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA galvanized formed plate. Finished with a baked-on powder coating. Arched handrail support shall be one piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts. Finished with a baked-on powder coating. Stairway shall be one piece all welded construction consisting of 12 GA HRPO and/or 10 GA HRPO steel surfaces and sides. PVC coated after fabrication. Handrail shall be one piece all welded construction consisting of 1.315" OD x 12 GA, 1.315" OD x 14 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating.

D. Single Post Transfer Platform [Synergy, Nucleus] One-piece welded support consisting of 3 ½" OD X 11 GA galvanized tube and ¼" HRS plate finished with a baked-on powder coating. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Stairs, transfer platform, and single step shall be one piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

E. Single Step [Synergy] single step shall be one piece all welded construction consisting of 12 GA surfaces and gussets. PVC coated after fabrication. Support exit shall be 1.660" OD x 13 GA galvanized steel tubing finished with a baked-on powder coating. Hardware package shall be stainless steel screws, washers & nuts.

F. Transfer Stairway [Nucleus, Synergy, Voltage, Little Buddies] Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Stairs shall be one piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

G. Transfer Station [Nucleus, Voltage, Little Buddies, Synergy] Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Single step handrail and support exit shall be formed 1.315" OD x 12 GA galvanized steel tubing finished with a baked-on powder coating. Handrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel cap. Finished with a baked-on powder coating. Stairs, transfer platform, and single step shall be one piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication. Stair rail adapter shall be one piece welded construction consisting of a formed 1.315" OD X 12 GA galvanized tube and formed 7 GA stainless steel brackets. Transfer barrier shall be one piece all welded construction consisting of 1.315" OD x 12 GA steel tubing, and 8 GA galvanized steel plate. Single post transfer platform shall be one piece welded construction consisting of 12 GA sheet steel, 1/4" HRS mounting plate and 4 1/2" X 11 Ga steel tubing finished with a PVC dipped coating. Single post support shall be one piece welded construction consisting of 3.5" OD X 11 Ga galvanized tubing and a 1/4" HRS mounting plate finished with a baked-on powder coat.

H. Transition Stairway [Synergy, Voltage, Little Buddies] Upper and lower supports shall be 3/4" extruded H.D.P.E. Bracket shall be one piece all welded construction consisting of 1 9/16" OD x 13 GA CR DOM steel tubing, and 8 GA galvanized steel plate. Upper and lower stair rail adapter shall be one piece welded construction consisting of a formed 1.315" OD X 12 GA galvanized tube and formed 7 GA stainless steel brackets. Finished with a baked-on powder coating. Stairs shall be one piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

1. Barriers shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.029" OD x 14 GA galvanized steel tubing and 8 GA galvanized steel plate. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, malleable iron plug and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating.

I. Transition Stairway [Nucleus] Upper and lower supports shall be one piece all welded construction consisting of 1.315” OD x 12 GA galvanized steel tubing, and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Stairs shall be one piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

1. Barriers shall be one piece all welded construction consisting of 1.315" OD x 14 GA & 1.029" OD x 14 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating.

2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating.

2.20 Signs

A. Age Signs [Burke Basics] Sign shall be a full color graphic sign printed on 3 mm DiBond. Posts shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

B. Custom Arch Signs [Nucleus, Voltage, Little Buddies] Sign shall be 3/4” co-extruded H.D.P.E. Brackets shall be one piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16” SS plate, finished with a baked-on powder coating.

C. Fitness Signs [Burke Basics] Post shall be one piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked-on powder coating. Sign shall be 12 GA galvanized sheet steel finished with a baked-on powder coating.

D. FS Custom Signs, FS Double signs [Burke Basics] Sign shall be one or two full color graphic panels printed on 3 mm DiBond. One piece all welded construction consisting of 8 GA galvanized steel plate, 2.375" OD X 12 GA galvanized steel tubing, and 1.029" OD x 14 GA galvanized steel tubing, supported with a sign frame of one piece all welded construction consisting of 8 GA galvanized steel plate, both

finished with a baked-on powder coating. Post caps of ½” extruded HDPE and stainless-steel hardware.

E. Road Signs [Burke Basics] Sign shall be 1/2" co-extruded H.D.P.E. Posts shall be one piece all welded construction consisting of 1.900" OD x 11 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

2.21 Swings

A. Adaptive Swing Add-On Bay [Burke Basics] Post assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked-on powder coating. Adaptive swing bay beam shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Adaptive Swing shall be rotationally molded LLDPE with galvanized steel chain. Pendulum shall be hot-dipped galvanized malleable iron Grade 32510. Bearing shall be an oil-impregnated bronze.

B. Arch Swings, 3 1/2” OD [Burke Basics] Pendulum shall be hot-dipped galvanized malleable iron Grade 32510. Bearing shall be an oil-impregnated bronze. Arch posts shall be one piece all welded construction consisting of 3 1/2" OD x 11 GA & 3" OD x 11 GA galvanized steel tubing, and safety device assembly of 3/8” galvanized (Sch. 40) pipe, 11/16” dia SAE 1018 low carbon steel rod. Finished with a baked-on powder coating. Beam shall be one piece all welded construction consisting of 3 1/2" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Chain shall be an assembly consisting of 3/8" diameter, 4/0 straight coil chain. Clevis shackle shall be 5/16" Shackle with a 3/8" X 1 1/2" bolt.

C. Arch Swings, 5” OD [Burke Basics] Pendulum shall be hot-dipped galvanized malleable iron Grade 32510. Bearing shall be an oil-impregnated bronze. Arch posts shall be one piece all welded construction consisting of 5" OD x 11 GA & 4 1/2" OD x 11 GA HPRO EW STEEL tubing finished with cadmium yellow chromate plating, and safety device assembly of 3/8” galvanized (Sch. 40) pipe, 11/16” dia SAE 1018 low carbon steel rod. Finished with a baked-on powder coating. Beam shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Chain shall be an assembly consisting of 3/8" diameter, 4/0 straight coil chain. Clevis shackle shall be 5/16" Shackle with a 3/8" X 1 1/2" bolt.

D. Anti-Wrap Swing Hangers for 2 3/8” OD and 3 1/2” OD top beams [Burke Basics], Galvanized gray cast iron swing hanger with grease zerk, black nylon PA type 6 bearing and galvanized ductile iron clevis.

E. Contemporary Swings [Burke Basics] Castings shall be hot-dipped galvanized, grade 32510, malleable iron. Top pipe and legs shall be 2 3/8" OD x 10 GA galvanized steel tubing. Finished with an optional baked on powder coating. End fittings shall be one piece all welded construction consisting of 2 7/8" OD x 8 GA

galvanized steel tubing, and safety device assembly of 3/8” galvanized (Sch. 40) pipe, 11/16” dia SAE 1018 low carbon steel rod. Finished with an optional baked on powder coating. Galvanized ductile iron swing hanger with shackle pendulum. 1" wide pendulum has oil impregnated sintered bronze bearing. Bolted with 12mm carriage bolt and hex lock tight nut.

F. Single Post Swings [Burke Basics] Pendulum shall be hot-dipped galvanized malleable iron Grade 32510. Half clamp shall be a formed 8 GA galvanized steel plate finished with a baked-on powder coating. Bearing shall be an oil-impregnated bronze. Center beam shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Posts shall be assemblies consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked-on powder coating. Chain shall be an assembly consisting of 3/8" diameter, 4/0 straight coil chain. PVC coated after fabrication. Clevis shackle shall be 5/16" Shackle with a 3/8" X 1 1/2" bolt. Flanged post assembly consisting of 8 GA galvanized steel plate, 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked-on powder coating.

G. T-Swings [Burke Basics] Pendulum shall be hot-dipped galvanized malleable iron Grade 32510. Half clamp shall be a formed 8 GA galvanized steel plate finished with a baked-on powder coating. Bearing shall be an oil-impregnated bronze. Swing Support Arms shall be one piece all welded construction consisting of 3 1/2" OD 8 GA galvanized steel tubing and 8 GA galvanized steel plate gussets. Finished with a baked-on powder coating. Posts shall be assemblies consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked-on powder coating. Chain shall be an assembly consisting of 3/8" diameter, 4/0 straight coil chain. PVC coated after fabrication. Clevis shackle shall be 5/16" Shackle with a 3/8" X 1 1/2" bolt.

H. Tot Swing [Burke Basics] Post assembly consisting of 1.315" OD x 14 GA and 3 1/2" OD x 11 GA galvanized steel tubing and cast aluminum cap, finished with a baked-on powder coating, bronze bearing, 1/8" x 15/32" aluminum drive rivets and 1/2 extruded HDPE. Molded Rubber Seat shall be molded rubber, reinforced with a steel insert, and riveted galvanized attachment hardware. Chain shall be an assembly consisting of 3/8" diameter, 4/0 straight coil chain, PVC coated after fabrication. Clevis shackle shall be 5/16" Shackle with a 3/8" X 1 1/2" bolt.

I. Traditional Swings, Extra Heavy Duty [Burke Basics] Castings shall be hot-dipped galvanized, grade 32510, malleable iron. Gussets shall be 14 GA galvanized steel. Top pipe shall be 3 1/2" OD x 8 GA galvanized steel tubing. Finished with an optional baked on powder coating. Legs shall be 2 3/8" OD x 12 GA galvanized steel tubing. Finished with an optional baked on powder coating. Hanger shall be an assembly consisting of hot-dipped galvanized, grade 32510, malleable iron castings, a nylatron bearing, and zinc plated steel hardware. Chain shall be an assembly

consisting of 3/8" diameter, 4/0 straight coil chain. Clevis shackle shall be 5/16" Shackle with a 3/8" X 1 1/2" bolt.

J. Traditional Swings, Heavy Duty [Burke Basics] Castings shall be hot-dipped galvanized, grade 32510, malleable iron. Gussets shall be 14 GA galvanized steel. Top pipe shall be 2 3/8" OD x 10 GA galvanized steel tubing. Finished with an optional baked on powder coating. Legs shall be 1 7/8" OD x 11 GA galvanized steel tubing. Finished with an optional baked on powder coating. Galvanized ductile iron swing hanger with shackle pendulum. 1" wide pendulum has oil impregnated sintered bronze bearing. Bolted with 12mm carriage bolt and hex lock tight nut.

K. Tire Swing [Burke Basics] Half clamp shall be a formed 8 GA galvanized steel plate finished with a baked-on powder coating. Tire swing shall be an assembly consisting of an average of 1/4” double wall, rotationally molded, U.V. stabilized E.V.A. plastic tire, 1.315" OD x 14 GA galvanized steel ring, zinc plated U-bolts, and stainless-steel nuts & flat washers. Main and cross beam shall be one piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing, 3/8” galvanized (Sch. 40) pipe, 11/16” dia SAE 1018 low carbon steel rod and 8 GA galvanized steel plate. Finished with a baked-on powder coating. Swing hanger shall be an assembly consisting of an all-welded steel hub, all welded steel & iron hanger, a rubber boot, a malleable iron universal joint, bearings, a stainless-steel set screw, and zinc plated lock nut, threaded pin, washers, & grease zerk. Chain shall be an assembly consisting of 3/8" diameter, zinc plated steel S-hooks, and 3/8" diameter, 4/0 straight coil chain. PVC coated after fabrication.

2.22 Swing Seats

A. Adaptive swing seat shall be an assembly consisting of a one-piece seat rotationally molded with double wall construction made of linear low-density polyethylene. Attached with 3/8" diameter, 4/0 straight coil chain and 5/16" Malleable Iron Shackle with a 3/8" X 1 1/2" bolt, galvanized finish. Thread locking compound.

B. Freedom Inclusive Swing Seat shall be a seat and harness made of ¼” thick, linear, low density, rotationally molded, U.V stabilized polyethylene with double wall construction, molded-in 3/8” T-nut inserts and a textured surface assembled together using an aluminum rod, stainless steel hardware, shims, springs, pins and standoffs along with a rubber bumper.

C. Konnection Swing shall be having a main seat made of ¼” thick, linear, low density, rotationally molded, U.V stabilized polyethylene with double wall construction, molded-in 3/8” T-nut inserts and a textured surface. It shall have a back-rest assembly consisting of ¼” thick, linear, low density, rotationally molded, U.V stabilized polyethylene with double wall construction, molded-in #6-32 T-nut inserts and a textured surface, magnets that are NdFeB, Grade N42 and coated with black plastic, all fastened with #6-32 stainless steel screws with Loctite and #6 type A washer. The swing frame is one piece all welded construction consisting of 1.315" x

12 GA galvanized steel tubing, 1.029" x 14 GA galvanized steel tubing, and 1/4" HRS zinc-coated steel plating. Finished with baked on powder coat. Hardware consists of 5/16" shackle with a 3/8" X 1 5/32" bolt, stainless steel screws and washers, and Loctite.

D. Molded rubber swing seat, reinforced with a steel insert. Riveted galvanized attachment hardware. 3/8" diameter, 4/0 straight coil chain. 1/4" Nylatron GS Spacer. 5/16" Malleable Iron Shackle with a 3/8" X 1 1/2" bolt, galvanized finish. Thread locking compound.

E. Poly swing seat shall be an assembly consisting of a one-piece blow molded, high density polyethylene seat, hot dipped galvanized, grade D65, ductile cast iron clevises, and stainless steel & zinc plated fasteners. 3/8" diameter, 4/0 straight coil chain. 1/4" Nylatron GS Spacer. 5/16" Malleable Iron 'H' Shackle with a 3/8" X 1 1/4" bolt, and 3/8" X 1 3/4" bolt, galvanized finish. Thread locking compound.

F. Molded rubber tot swing seat, reinforced with a steel insert. Riveted galvanized attachment hardware. 3/8" diameter, 4/0 straight coil chain. 1/4" Nylatron GS Spacer. 5/16" Malleable Iron Shackle with a 3/8" X 1 1/2" bolt, galvanized finish. Thread locking compound.

2.23 Tunnels

A. 90 Deg Tunnels, S Tunnels, Straight Tunnels [Nucleus, Voltage, Little Buddies, Synergy] Tunnels shall be an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Tunnels shall be either 24" or 30" diameter. Panels shall be either ¾" extruded HDPE or an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Mid support shall be one piece all welded construction consisting of 14 GA galvanized steel plate, 1" SQ x .120" wall steel tubing, 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Flange spacer shall be 1/4" extruded HDPE.

B. Over Tunnels, Over/Under Tunnels, Under Tunnels [Nucleus, Voltage, Synergy] Tunnels shall be an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Tunnels shall be 24" diameter. Panels shall be either ¾" extruded HDPE or an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Mid support shall be one piece all welded construction consisting of 14 GA galvanized steel plate, 1" SQ x .120" wall steel tubing, 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

C. Rope Tunnel [Nucleus] consists of one piece all welded construction consisting of 2.375" OD X 10 GA galvanized steel tubing and 7 GA stainless steel plating. Finished with a baked-on powder coating. One piece all welded construction

consisting of 2.375" OD X 10 GA, 1.315" OD x 12 GA, & 1.029" OD x 14 GA galvanized steel tubing, 7 GA stainless steel plating, and 8 GA galvanized steel sheeting. Finished with a baked-on powder coating. Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end and cross connectors. Stainless steel hardware and nine-piece torx driver set. 48” Curved Crossbar shall be one piece all welded construction consisting of 1.315” OD x 12 GA galvanized steel tubing.

D. Up/Down Tunnels [Nucleus, Voltage, Little Buddies, Synergy] Tunnels shall be either 24” or 30” diameter and an average of 1/4” thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface. Panels shall be either ¾” extruded HDPE or an average of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured outside surface. Mid support shall be one piece all welded construction consisting of 14 GA galvanized steel plate, 1" SQ x .120" wall steel tubing, 1.660" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating. Flange spacer shall be 1/4" extruded HDPE.

PART 3 EXECUTION

3.01 Site Preparation

A. All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 Installation

A. Install play structure in compliance with manufacturer’s written instructions.

B. Install components in sequence as recommended by manufacturer.

C. Install play structure as indicated on the drawings provided.

D. Variations from the installation indicated must be approved.

E. Variations from the installation indicated and all costs for removal and replacement will be the responsibility of the contractor.

3.03 Cleaning

A. The contractor shall clean the jobsite of excess materials, including post hole excavations.

3.04 Demonstration

A. Instruct the owner's personnel on proper operation and maintenance of playground components.

END OF SECTION

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