CITY OF LOS ALAMITOS
Public Works Department

NOTICE TO BIDDERS

Sealed proposals will be received at the office of the City Clerk of the City of Los Alamitos, 3191 Katella Avenue, Los Alamitos, California 90720 until 9:00 AM on November 8, 2016, at which time they will be publicly opened and read at the above stated time at the City Hall Council Chambers, as follows:

Orville Lewis Park Playground New Equipment Purchase (CIP No. 16/17-04)

Bids must be submitted on the City's Bid Forms (obtained at City Hall) and submitted in sealed envelopes marked on the outside, **"SEALED BID FOR THE ORVILLE LEWIS PARK PLAYGROUND NEW EQUIPMENT PURCHASE (CIP No. 16/17-04). DO NOT OPEN WITH REGULAR MAIL."**

The bid consists of: Purchase of New Park Playground Equipment and delivering to City Hall, 3191 Katella Los Alamitos, CA 9072

Withdrawal of bids shall not be permitted for a period of sixty (60) days after the date set for the opening thereof.

The City reserves the right to reject any and all bids.

CITY OF LOS ALAMITOS

CALIFORNIA

BY: _____

Tony Brandyberry
Public Works Superintendent
3191 Katella Avenue
Los Alamitos, CA 90720

BIDDING SHEET

In the blanks provided, fill in the prices at which you propose for the purchase and delivery of the equipment, all grant opportunities for said equipment, shipping, and all applicable sales and use taxes imposed pursuant to the laws of the State of California.

Bidders are advised that they must include a proportional amount of overhead, profit, etc., within the bid prices.

Bidder agrees to perform all the work described in the Contract Documents for the following unit prices or lump sums:

BID PROPOSAL

TODAY'S DATE: _____, 2016

SUBMIT BID TO: City of Los Alamitos City

ADDRESS: 3191 Katella Ave.

CITY/ZIP: Los Alamitos, CA 90720

ATTN: Public Works Superintendent

PHONE #: (562) 431-3538, Ext. 105

JOB SITE NAME: Orville Lewis Park Playground New Equipment Purchase

(CIP No. 16/17-04)

ADDRESS: 3191 Katella Avenue

CITY: Los Alamitos, CA 90720

NOTE: Please use this form to submit your bid and any exclusions (if any) other notes. You are welcome to attach any company literature or other information.

BID DUE DATE: November 8, 2016 at 9:00 AM or before, BIDS CANNOT BE FAXED.

In complete compliance and accord with the attached specifications, we hereby submit our pricing as follows to complete said bid. Our pricing includes all labor, supervision, materials, taxes, freight, equipment, rentals, subcontractor charges, licenses, permits, dump fees, support, insurance premiums, and any other related charges required to complete the bid. All state and local codes and regulations are to be complied with in their entirety.

We do hereby acknowledge we have reviewed the specifications, and accept all conditions of same, including this Bid Form and propose to complete this bid under these conditions for the Lump Sum price and/or unit price of:

Orville Lewis Park Playground New Equipment Purchase (CIP No. 16/17-04)
Due Date: November 8, 2016 @ 9:00 AM

BASE BID

NO.	WORK DESCRIPTION	UNITS	UNIT PRICE	GRANT	EXTENSION
1	**Orville Lewis Park Playground New Equipment Purchase (CIP No. 16/17-04)** As described in bid specifications. **OR Equivalent**	LS	$		$
2	**SHIPPING to City Hall** 3191 Katella Ave Los Alamitos, CA 90720	LS	$		$

The new playground equipment will have to fit inside the existing curbed in area and meet all State and Federal requirements for playground setbacks and safety. The existing playground area is approximately 56 feet by 68 feet, See attachment one for photo and sketch. Bidder will be responsible to measure the exact dimension of the site.

TOTAL BASE BID PRICE $ _____

WRITTEN PRICE _____ DOLLARS

NOTE: The City of Los Alamitos reserves the right to award the contract based upon the available funds. The bids will be compared on the basis of lowest overall cost.

BID SPECIFICATIONS

The City of Los Alamitos has selected the following company's products that meet the City's specifications for the Orville Lewis Park Playground New Equipment Purchase (CIP No. 16/17-04)

- BCI Burke – Series: Basics, Intensity, Little Buddies, Nucleus
- OR Equivalent

CITY OF LOS ALAMITOS
Public Works Department

BID SPECIFICATIONS FOR:

ORVILLE LEWIS PARK PLAYGROUND NEW EQUIPMENT PURCHASE

(CIP No. 16/17-04)


N
© 2016 Google

BURKE.COM | 800.266.1250

Bur
PLAY THAT M

/ative
)UNDS CO. LLC

LOS ALAMITOS - ORVILLE LEWIS PARK

October 04, 2016

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

1.02 Related Sections

1.03 Quality Assurance

A.

B.

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, 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, 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 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. 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.

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, 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-15 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. Posts, steel [Nucleus, Voltage, Little Buddies] shall be cold-formed steel tubing with a yield test of at least 42,000 psi and a tensile strength of at least 58,000 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 [Voltage] Post shall be 3 1/2" OD x 11 GA galvanized steel tubing.

G. Posts, aluminum [Nucleus, 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-241. 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 11 GA aluminum tubing.
2. Posts [Voltage] Post shall be 3 1/2" OD x 11 GA 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: Prior to powder coating, all parts shall be cleaned, and pretreated with a non-phosphate and non-chromic process. A polyester/TGIC powder coating with superior color-, gloss-, and UV-stabilizing qualities shall be 3.0 – 6.0 mils thick and shall be cured in an oven at temperatures no less than 356° F and no more than 392° F. The powder-coat shall 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/lb direct or reverse impact (ASTM D2794).
4. Resistance to Bending: No visible cracking (1/8" bending test per ASTM 522).
5. Resistance to Salt Spray: No more than 1/8" undercutting and no blistering in 1000 hours (salt spray test per ASTM B117).
6. Resistance to Humidity: No more than 1/8" undercutting and no blistering in 1000 hours (humidity test per ASTM D2247)
7. Degree of Gloss: No less than 80% reflected (specular gloss test at 60° per ASTM D523).

C. Powder Coating - Super Durable: Prior to powder coating, all parts shall be cleaned, and pretreated with a non-phosphate and non-chromic process. A polyester/TGIC powder coating with superior color-, gloss-, and UV-stabilizing qualities shall be 3.0 – 6.0 mils thick and shall be cured in an oven at temperatures no less than 356° F and no more than 392° F. The powder-coat shall 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/lb direct or reverse impact (ASTM D2794).
4. Resistance to Bending: No visible cracking (1/8" bending test per ASTM 522).
5. Resistance to Acid Salt Spray: No more than 1/32" undercutting and no blistering in 3000 hours (salt spray test per ASTM G85 Annex 5).
6. Resistance to Humidity: No more than 1/32" undercutting and no blistering in 3000 hours (humidity test per ASTM D2247)
7. Degree of Gloss: No less than 80% reflected (specular gloss test at 60° per ASTM D523).

G. Platform-to-Platform Bars [Voltage] 1.315" x 12 GA galvanized steel tubing finished with a baked on powder coating.

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

2.04 Brackets

A. Panel Brackets [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 10 GA galvanized sheet steel finished with a baked on powder coating.

B. Flat Panel Mounting Brackets [Voltage] Bracket shall be one piece all welded construction consisting of 8 GA galvanized steel plate and 3/16" stainless steel plate. Finished with a baked on powder coating.

C. 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.

D. 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.

E. Panel Mounting Tubes [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] Bracket shall be 14 GA galvanized steel plate finished with a baked on powder coating.

G. Steering Wheel Mount Bracket [Voltage, Little Buddies] Bracket shall be one piece all welded construction consisting of a 3/16" stainless steel plate, 1.315 OD x 14 GA galvanized tubing, and a stainless steel threaded insert. Finished with a baked on powder coating.

2.05 24" TRANSITION STAIR W/BARRIERS

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. TOP STAIR BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

C. 24" TRANSITION BARRIER: 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.

D. BOTTOM STAIR TRANSITION B: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

E. 24" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

2.06 48" BENCH

A. PANEL, S3000 BENCH: 3/4" extruded HDPE.

B. 48" BENCH SUPPORT: 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.

2.07 5" OD ARCH SWING

A. PENDULUM CASTING: Galvanize plated, grade 32510, malleable iron

B. BRONZE BEARING .377 X .75: Oil impregnated, bronze.

C. SWING BEAM, 5" OD X 130": 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.

D. ARCH POST END, 5" OD SWIN: One piece all welded construction consisting of 5" OD x 11 GA & 11/16" OD low carbon steel bar and 4 1/2" OD x 11 GA steel tubing w/cadmium and yellow chromate plating, and an assembly of 3/8" nut inserts. Finished with a baked on powder coating.

E. LOCKTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide.

2.08 8" CLOSURE PLATE

A. S5 8" CLOSURE PLATE: 14 GA galvanized steel plate finished with a baked on powder coating.

2.09 AIRPLANE BARRIER W/ WINDOWS, LH

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. PANEL, AIRPLANE WINDOWS, : 3/4" co-extruded HDPE.

2.10 AIRPLANE BARRIER W/ WINDOWS, RH

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. PANEL, AIRPLANE WINDOWS, : 3/4" co-extruded HDPE.

2.11 AIRPLANE NOSE ASSEMBLY, 72"

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. 1 5/8 x 1 1/4 PLATE 10 GA: 10 GA galvanized steel plate finished with a baked on powder coating.

C. PANEL, AIRPLANE NOSE, RH: 3/4" extruded H.D.P.E.

D. PANEL, AIRPLANE NOSE, LH: 3/4" extruded H.D.P.E.

E. PANEL, AIRPLANE NOSE: 3/4" co-extruded HDPE.

F. WELDMENT, CANTILEVER SUPP: 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.

G. PLATFORM, CANTILEVER: 12 GA HRPO sheet, finished with a PVC Coating

H. SUPPORT, CANTILEVER PLATF: 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.

2.12 AIRPLANE SLIDE PANEL, LH

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. PANEL, AIRPLANE SLIDE, LH: 3/4" co-extruded HDPE.

2.13 AIRPLANE TRANSFER PANEL, LH

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. PANEL, AIRPLANE TRANSFER,: 3/4" co-extruded HDPE.

2.14 ARCHED ROPE CLIMBER

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. ROPE ASSEMBLY, ARCHED CLI: 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 screws.

C. BRACKET, ROPE CLIMBER SUP: One piece all welded construction consisting of 8 GA and 10 GA galvanized steel. Finished with a baked on powder coating.

D. S5 UNITARY ENCLOSURE: 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.

E. S5 RAIL, ARCHED ROPE: One piece weldment consisting of 8 GA. galvanized sheet, 7 GA. stainless steel sheet and 2 3/8" OD X 10 GA galvanized tubing. Finished with a baked on powder coating.

F. BRASS SPACER 7/16" OD X : Brass Tube 7/16" OD X .028" Wall

2.15 BELT SEAT, 7' PAIR, PVC CHAIN

A. PVC COATED, 4/0 CHAIN 64 : 3/8" diameter, 4/0 straight coil chain. PVC coated after fabrication.

B. MOLDED RUBBER SEAT: Molded rubber, reinforced with a steel insert. Riveted galvanized attachment hardware.

C. SPACER 1.13 OD X .25: 1/4" Nylatron GS.

D. LOCKTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide.

E. CLEVIS SHACKLE W/BOLT: 5/16" Shackle with a 3/8" X 1 1/2" bolt.

2.16 BUBBLE MIRROR ACTIVITY PANEL

A. BUBBLE MIRROR ACTIVITY PA: Assembly consisting of welded bracket, formed 10 ga galv steel plate, 1.029" OD galv tubing, 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.

2.17 CHARADE RING PANEL

A. CHARADE PANEL ASSEMBLY: Assembly consisting of a ring attachment weldment finished with powdercoat, 1/4" LLDPE double wall rotationally molded panel, 1/4" clear polycarbonate window, 1/2" extruded HDPE, extruded HDPE and acetal and stainless steel balls all assembled together with stainless steel hardware.

2.18 CLIMBER, AIRPLANE TAIL, LH

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. CLIMBER PLATE, AIPLANE TA: 10 GA galvanized steel plate finished with a baked on powder coating.

C. CLIMBER, AIRPLANE TAIL, L: 3/4" Co-extruded HDPE.

D. TAIL PANEL, AIRPLANE, LH: 3/4" Co-extruded HDPE.

E. 32" AIRPLANE CLIMBER SUPP: One piece all welded 1.315" OD tubing w/ 10 GA sheet steel finished with a baked on powder coating.

F. 32" AIRPLANE CLIMBER SUPP: One piece all welded 1.315" OD tubing w/ 10 GA sheet steel finished with a baked on powder coating.

2.19 CLIMBER, AIRPLANE TAIL, RH

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. CLIMBER PLATE, AIPLANE TA: 10 GA galvanized steel plate finished with a baked on powder coating.

C. TAIL PANEL, AIRPLANE, RH: 3/4" co-extruded HDPE.

D. CLIMBER, AIRPLANE TAIL, R: 3/4" co-extruded HDPE.

E. 32" AIRPLANE CLIMBER SUPP: One piece all welded 1.315" OD tubing w/ 10 GA sheet steel finished with a baked on powder coating.

F. 32" AIRPLANE CLIMBER SUPP: One piece all welded 1.315" OD tubing w/ 10 GA sheet steel finished with a baked on powder coating.

2.20 COIL CLIMBER 32"-48" W/O STNCH

A. COIL CLIMBER 32-48: 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. Finished with a baked on powder coating.

2.21 CURVED POST TOPPER

A. ASSEMBLY, CURVED POST TOP: Three piece construction consisting of 5" OD tubing & cast aluminum. Finished with a baked on powder coating.

2.22 CUSTOM ARCH SIGN

A. ARCH SIGN BRACKET: One piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16" stainless steel plate, finished with a baked on powder coating.

B. CUSTOM ARCH SIGN NUCLEUS: 3/4" co-extruded HDPE.

2.23 CUSTOM PANEL 56 WITH COUNTER

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. COUNTER SUPPORT: Formed 8 GA. galvanized sheet steel finished with a baked on powder coating.

C. STORE COUNTER: 3/4" extruded HDPE.

D. CUSTOM PANEL 39 1/4 X 56 : 3/4" Co-Extruded HDPE Routed

2.24 DOUBLE RAIL SLIDE 32"-40"

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. CASTING, SIDE FILLER, SHO: A56 Aluminum. Finished with baked on powder coating.

C. DOUBLE RAIL SLIDE: Linear, low density, rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Molded in 3/8" T-nut inserts and textured surface.

D. SIT DOWN HOOD: 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.

E. DBL WAVE SLIDE EXIT SUPT: One piece all welded construction consisting of 1.660" OD x 13 GA galvanized steel tubing and 2 1/2" x 1 1/2" x 3/16" HRS angle. Finished with a baked on powder coating.

F. MOUNT TUBE: 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.

2.25 FLAG FULL COLOR CUSTOM POST TOPPER

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. CUSTOM FLAG ASSEMBLY: 3/4" co-extruded HDPE, 3003 aluminum tread-brite, DiBond accent & stainless steel hardware.

2.26 FS SIGN, CUSTOM/CUSTOM

A. FS SIGN FRAME: 10 GA GALV steel finished with baked-on black powder coating.

B. ARCH POST, SIGN: 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.

C. CUSTOM SIGN, BOTH SIDES: A full color graphic sign printed on 3 mm DiBond

2.27 NPPS SUPERVISION SAFETY KIT

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

2.28 NUCLEUS STANCHION

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. S5 STANCHION: 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.

2.29 PADDLE BALL RING PANEL

A. PADDLE BALL PANEL ASSEMBL: Assembly consisting of a ring attachment weldment finished with powdercoat, with spacers made of nylatron, flat window of 1/4" Lexan, bubble made of 3/16" Lexan, paddle ball wheel of 1/2" extruded HDPE, paddle of 3/4" extruded HDPE and ball kit all assembled together with stainless steel hardware.

2.30 POST MOUNTED BELL

A. GALVANIZED 4/0 CHAIN 12": Galvanized 4/0 straight coil chain.

B. KNOB: 3/4" extruded HDPE.

C. BELL BRACKET: One piece all welded construction. Finished with a baked on powder coating.

D. TUBE, BELL: 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.

E. SPACER 1.13 OD X .25: 1/4" Nylatron GS.

2.31 SHAKER SQUARE ROOF

A. SHAKER SQUARE ROOF: 3/16" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.

2.32 SQUARE PLATFORM

A. SQUARE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

2.33 TABLE TOP

A. TABLE TOP: 3/4" co-extruded HDPE.

B. POST,TABLE TOP: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA GALV steel plate. Finished with a baked on powder coating.

2.34 THEME TRANSFER STATION, HANDRAIL 32"

A. SINGLE STEP HANDRAIL: Formed 1.315" OD x 12 GA galvanized steel tubing finished with a baked on powder coating.

B. TUBE, 1.315 x 47 1/2": 1.315" OD x 12 GA galvanized steel tubing finished with a baked on powder coating.

C. EXIT SUPPORT: 1.660" OD x 13 GA galvanized steel tubing finished with a baked on powder coating.

D. SINGLE STEP P: One piece all welded construction consisting of 12 GA surfaces and gussets. PVC coated after fabrication.

E. HANDRAIL, TRANSFER STAIR : One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and a stainless steel threaded insert. Finished with a baked on powder coating.

F. 16" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

G. TRANSFER PLATFORM SQUARE: One piece all welded construction consisting of 12 GA surfaces, gussets, and corners. PVC coated after fabrication.

2.35 VIPER L 48-56 W/O HOOD

A. ENTRANCE SLIDE SECTION: 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.

B. EXIT SLIDE SECTION: 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.

C. STRAIGHT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.

D. 45 DEG LEFT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.

E. SUPPORT,SLIDE EXIT: 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.

F. SLIDE SUPPORT 2J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.

2.36 VIPER R 48-56 W/O HOOD

A. ENTRANCE SLIDE SECTION: 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.

B. EXIT SLIDE SECTION: 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.

C. STRAIGHT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.

D. 45 DEG RIGHT SLIDE SECTIO: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.

E. SUPPORT,SLIDE EXIT: 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.

F. SLIDE SUPPORT 2J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.

2.37 VIPER ST 64-72 W/O HOOD

A. ENTRANCE SLIDE SECTION: 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.

B. EXIT SLIDE SECTION: 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.

C. STRAIGHT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.

D. SUPPORT,SLIDE EXIT: 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. SLIDE SUPPORT 3J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.

2.38 WINDOW PANEL, BELOW PLATFORM

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. PANEL WINDOW: 3/4" co-extruded HDPE.

BCI BURKE GENERATIONS WARRANTY®

The Longest and Strongest Warranty in the Industry

BCI Burke Company, LLC ("Burke") warrants that all standard products are warranted to be free from defects in materials and workmanship, under normal use and service, for a period of one (1) year from the date of invoice.

We stand behind our products.
In addition, the following products are warranted, under normal use and service from the date of invoice as follows:

- One Hundred (100) Year Limited Warranty on aluminum and steel upright posts (including Intensity®, Voltage®, Nucleus® and Little Buddies®) against structural failure due to corrosion, deterioration or workmanship.
- One Hundred (100) Year Limited Warranty on KoreKonnect® clamps against structural failure due to corrosion, deterioration or workmanship.
- One Hundred (100) Year Limited Warranty on Hardware (nuts, bolts, washers).
- One Hundred (100) Year Limited Warranty on bolt-through fastening and clamp systems (Voltage®, Intensity®, Nucleus® and Little Buddies®).
- Twenty-Five (25) Year Limited Warranty on spring assemblies and aluminum cast animals.
- Fifteen (15) Year Limited Warranty on main structure platforms and decks, metal roofs, table tops, bench tops, railings, loops and rungs.
- Fifteen (15) Year Limited Warranty on all plastic components including StoneBorders against structural failure due to materials or workmanship.
- Ten (10) Year Limited Warranty on ShadePlay Canopies fabric, threads, and cables against degradation, cracking or material breakdown resulting from ultra-violet exposure, natural deterioration or manufacturing defects. This warranty is limited to the design loads as stated in the specifications.
- Ten (10) Year Limited Warranty on NaturePlay® Boulders and GFRC products against structural failure due to natural deterioration or workmanship. Natural wear, which may occur with any concrete product with age, is excluded from this warranty.
- Ten (10) Year Limited Warranty on Full Color Custom Signage against manufacturing defects that cause delamination or degradation of the sign. Full Color Custom Signs also carry a two (2) year warranty against premature fading of the print and graphics on the signs.
- Five (5) Year Limited Warranty on Intensity® and RopeVenture™ cables against premature wear due to natural deterioration or manufacturing defects. Determination of premature wear will be at the manufacturer's discretion.
- Five (5) Year Limited Warranty on swing seats and hangers; Kid Koaster® Trolleys and other moving parts against structural failure due to materials or workmanship.
- Three (3) Year Limited Warranty on electronic panel speakers, sound chips and circuit boards against electronic failure caused by manufacturing defects.

The warranty stated above is valid only if the equipment is erected in conformity with the layout plan and/or installation instructions furnished by BCI Burke Company, LLC using approved parts; have been maintained and inspected in accordance with BCI Burke Company, LLC instructions. Burke's liability and your exclusive remedy hereunder will be limited to repair or replacement of those parts found in Burke's reasonable judgment to be defective. Any claim made within the above stated warranty periods must be made promptly after discovery of the defect. A part is covered only for the original warranty period of the applicable part. Replacement parts carry the applicable warranty from the date of shipment of the replacement from Burke. After the expiration of the warranty period, you must pay for all parts, transportation and service charges.

Burke reserves the right to accept or reject any claim in whole or in part. Burke will not accept the return of any product without its prior written approval. Burke will assume transportation charges for shipment of the returned product if it is returned in strict compliance with Burke's written instructions.

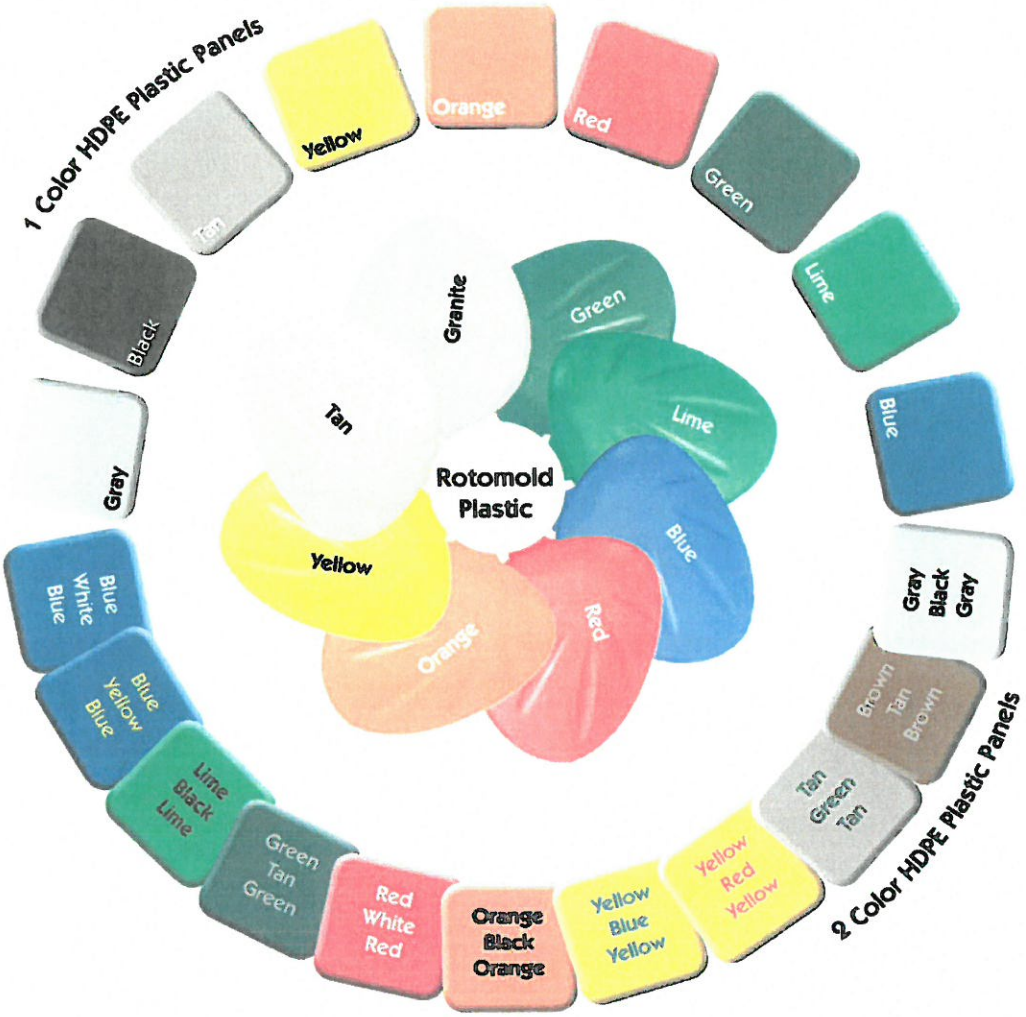
THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IF THE FOREGOING DISCLAIMER OF ADDITIONAL WARRANTIES IS NOT GIVEN FULL FORCE AND EFFECT, ANY RESULTING ADDITIONAL WARRANTY SHALL BE LIMITED IN DURATION TO THE EXPRESS WARRANTIES AND BE OTHERWISE SUBJECT TO AND LIMITED BY THE TERMS OF BURKE'S PRODUCT WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

Warranty Exclusions: The above stated warranties do not cover: "cosmetic" defects, such as scratches, dents, marring, or fading; damage due to incorrect installation, vandalism, misuse, accident, wear and tear from normal use, exposure to extreme weather; immersion in salt or chlorine water, unauthorized repair or modification, abnormal use, lack of maintenance, or other cause not within Burke's control; and

Limitation of Remedies: Burke is not liable for consequential or incidental damages, including but not limited to labor costs or lost profits resulting from the use of or inability to use the products or from the products being incorporated in or becoming a component of any other product. If, after a reasonable number of repeated efforts, Burke is unable to repair or replace a defective or nonconforming product, Burke shall have the option to accept return of the product, or part thereof, if such does not substantially impair its value, and return the purchase price as the buyer's entire and exclusive remedy. Without limiting the generality of the foregoing, Burke will not be responsible for labor costs involved in the removal of products or the installation of replacement products. Some states do not allow the exclusion of incidental damages, so the above exclusion may not apply to you.

For more information regarding the warranty, call Customer Service at 920-921-9220 or 1-800-356-2070. **01/2016**

COLORS THAT MOVE YOU



Powder Coat Paint

- Green
- Olive
- Lime
- Sky
- Blue
- Navy
- Purple
- Burgundy
- Red
- Orange
- Yellow
- Gold
- Brown
- Black
- White

Shade Canopies

Green · Blue · Red · Yellow · NEW Lime · Sand · NEW Clay

Rockit

Sandstone · Granite

Vinyl Site Amenities

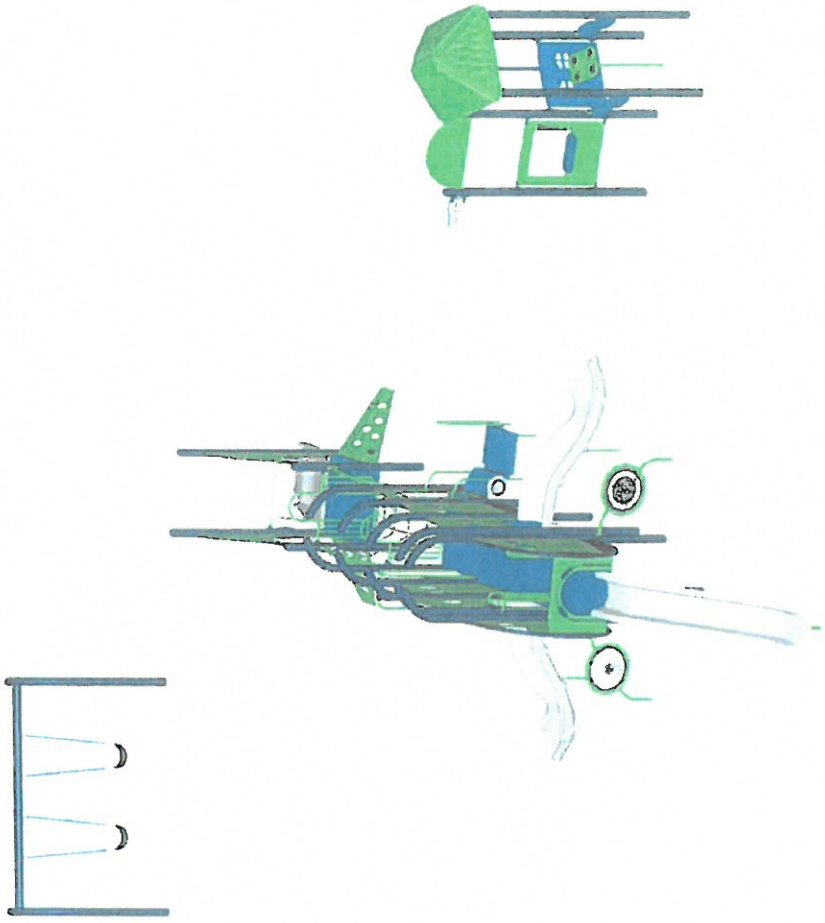
Green · Blue · Red · Tan · Brown · Black

Platforms

Blue · Brown

Recycled Plastic

VISIT BCIBURKE.COM/COLORSELECTION TO CUSTOMIZE YOUR PLAYGROUND COLORS!



Burke

October 04, 2016

SERIES: Basics, Intensity, Little Buddies, Nucleus

ISOMETRIC PLAN

DRAWN BY: Joel Schleis

Los Alamitos - Orville Lewis Park
3662 Kempton Drive
Los Alamitos, CA 90720

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220

Overall
Max Height
15'-2"

Maximum
Fall Height
7'

The protective surfacing for this design must accomodate the critical fall height.

Burke

October 04, 2016

SERIES: Basics, Intensity, Little Buddies, Nucleus

ELEVATION PLAN

DRAWN BY: Joel Schleis

Los Alamitos - Orville Lewis Park
3662 Kempton Drive
Los Alamitos, CA 90720

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220

INFORMATION
MINIMUM FALL ZONE
SURFACED WITH
RESILIENT MATERIAL
AREA
1643 SQ FT.

PERIMETER
249 FT.

STRUCTURE SIZE
67' 9" x 55' 9"

STRUCTURE IS DESIGNED
FOR CHILDREN AGES.
6-23 MONTH OLDS
2-5 YEAR OLDS
X 5-12 YEAR OLDS
13 + YEAR OLDS

NSF NSF

PUBLIC PLAY EQUIPMENT IPEMA CERTIFIED ASTM F1487 MANUFACTURERS

The play components identified in this plan are IPEMA certified. The use and layout of these components conform to the requirements of ASTM F1487. To verify product certification visit www.ipema.org

The space requirements shown here are to ASTM standards Requirements for other standards may be different

The use and layout of play components identified in this plan conform to the CPSC guidelines. U.S. CPSC recommends the separation of age groups in playground layouts.

WARNING!

ACCESSIBLE SAFETY SURFACING MATERIAL IS REQUIRED BENEATH AND AROUND THIS EQUIPMENT.

FOR SLIDE FALL ZONE SURFACING AREA SEE CPSCs Handbook for Public Playground Safety

PLATFORM HEIGHTS ARE IN INCHES ABOVE RESILIENT MATERIAL

ADA ACCESSIBILITY GUIDELINE (ADAAG CONFORMANCE)

NUMBER OF PLAY EVENTS	19	
NUMBER OF ELEVATED PLAY EVENTS	8	
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY RAMP	PROVIDED 0	REQD 0
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY TRANSFER SYSTEM	PROVIDED 5	REQD 4
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY RAMP OR TRANSFER SYSTEM	PROVIDED 5	REQD 4
NUMBER OF GROUND LEVEL PLAY EVENTS	PROVIDED 11	REQD 3
NUMBER OF UPPER CROSSOVER LEVEL PLAY EVENTS	PROVIDED 3	REQD 3

Burke

October 04, 2016

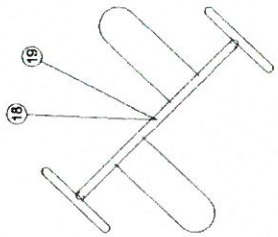
SERIES: Basics, Intensity, Little Buddies, Nucleus

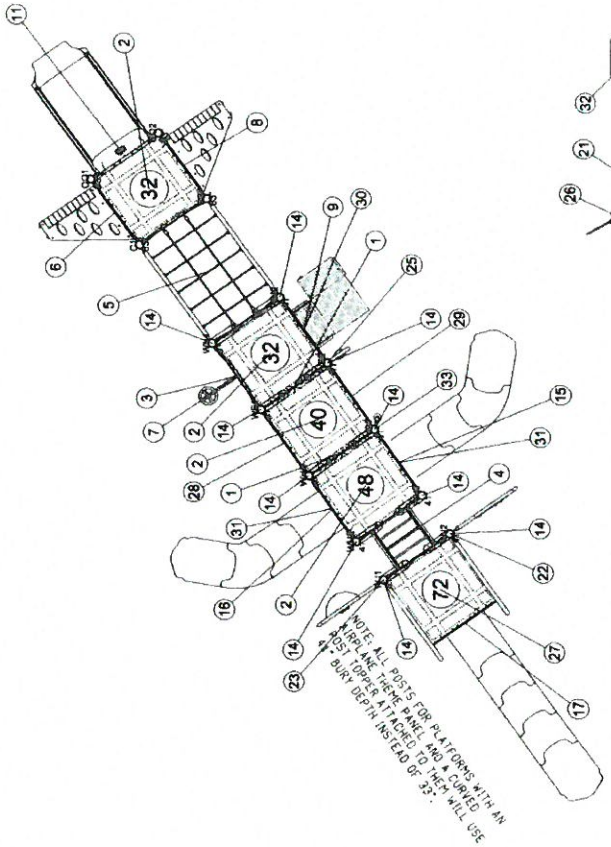
SITE PLAN

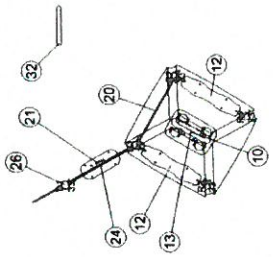
DRAWN BY: Joel Schleis

Los Alamitos - Orville Lewis Park
3662 Kempton Drive
Los Alamitos, CA 90720

ITEM	COMP	DESCRIPTION
1	270-0050	8" CLOSURE PLATE
2	270-0130	SQUARE PLATFORM
3	270-0286	NUCLEUS STANCHION
4	370-0467	24" TRANSITION STAIR W/BARRI
5	370-0551	ARCHED ROPE CLIMBER
6	370-0802	CLIMBER, AIRPLANE TAIL, RH
7	370-0820	COIL CLIMBER 32"-48" W/O STNC
8	370-0825	CLIMBER, AIRPLANE TAIL, LH
9	370-0828	THEME TRANSFER STATION, HA
10	440-0174	TABLE TOP
11	470-0435	DOUBLE RAIL SLIDE 32"-40"
12	470-0482	48" BENCH
13	470-0517	SHAKER SQUARE ROOF
14	470-0658	CURVED POST TOPPER
15	470-0660	VIPER L 48-56 W/O HOOD
16	470-0661	VIPER R 48-56 W/O HOOD
17	470-0663	VIPER ST 64-72 W/O HOOD
18	550-0106	BELT SEAT, 7' PAIR, PVC CHAIN
19	550-0135	5' OD ARCH SWING
20	570-0556	WINDOW PANEL, BELOW PLATF
21	570-0584	CUSTOM ARCH SIGN
22	570-0687	CHARADE RING PANEL
23	570-0688	PADDLE BALL RING PANEL
24	570-0701	CUSTOM PANEL 56 WITH COUNT
25	570-0719	BUBBLE MIRROR ACTIVITY PANE
26	570-0736	FLAG FULL COLOR CUSTOM PO
27	570-0803	AIRPLANE NOSE ASSEMBLY, 72"
28	570-0805	AIRPLANE BARRIER W/ WINDOW
29	570-0808	AIRPLANE BARRIER W/ WINDOW
30	570-0810	AIRPLANE TRANSFER PANEL, LH
31	570-0813	AIRPLANE SLIDE PANEL, LH
32	580-1302	FS SIGN, CUSTOM/CUSTOM
33	670-0156	POST MOUNTED BELL







Burke

October 04, 2016

SERIES: Basics, Intensity, Little Buddies, Nucleus

COMPONENT PLAN

DRAWN BY: Joel Schleis

Los Alamitos - Orville Lewis Park

3662 Kempton Drive

Los Alamitos, CA 90720

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220