

# PUBLIC CONTRACT PURCHASING

**PLAYGROUND EQUIPMENT  
SAFETY SURFACING  
OUTDOOR SITE FURNISHINGS  
DSA SHADE SHELTERS  
ATHLETIC EQUIPMENT**

**dave bang associates, inc.**

1-800-669-2585 Fax 800-729-2483

info@davebang.com

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**BID NUMBER 18-02**

**PLAYGROUND EQUIPMENT & DSA SHADE SHELTERS**

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**COLTON JOINT UNIFIED SCHOOL DISTRICT**

1212 VALENCIA DRIVE, COLTON, CA 92324

**Piggyback Clause:** For the term of the contract and any mutually agreed extensions pursuant to this request for bids, at the option of the vendor, other school districts and community college districts, any public corporation or agency, including any county, city or town in the State of California, may purchase, lease-purchase, the identical item(s) at the same price and upon the same terms and conditions pursuant to Public Contract Code 20118 (K-12) and 20652 (Community Colleges).

The Colton Joint Unified School District waives its right to require such other districts and offices to draw their warrants in the favor of the District as provided in said Code sections.

**Acceptance or rejection of this clause WILL NOT affect the outcome of this bid.**

Piggyback option granted

        *DB*        

(please initial)

Piggyback option not granted

\_\_\_\_\_

The undersigned has read all of the conditions, instructions and specifications, is familiar with, understands, and will conform by furnishing and delivering the goods and/or services at the prices quoted above.

# **BID PRICING**

**COLTON JOINT UNIFIED SCHOOL DISTRICT**  
**1212 Valencia Drive**  
**Colton, CA 92324**

**PROPOSAL FORM FOR BID #18-02**  
**PRICING INFORMATION**

<u>Item</u>	<u>Quantity</u>	<u>Brand/Model Supplied</u>	<u>Unit Cost</u>	<u>Shipping</u>	<u>Total</u>
1.	1 each	<u>PLAYWORLD # C17398CH</u> (AS SPECIFIED)	<u>\$54,170.00</u>	<u>\$5,900.00</u>	<u>\$60,070.00</u>
2.	1 each	<u>PLAYWORLD # C17399CH</u> (AS SPECIFIED)	<u>\$86,005.00</u>	<u>\$5,150.00</u>	<u>\$91,155.00</u>
3.	1 each	<u>PLAYWORLD # C17127SP</u> (AS SPECIFIED)	<u>\$70,257.00</u>	<u>\$4,750.00</u>	<u>\$75,007.00</u>
4.	1 each	<u>AMERICANA BLDG PRODUCTS</u> <u>ILLINI 10' X 58' 9" ENTRY</u> (AS SPECIFIED) DSA PC# <u>02-113840</u>	<u>\$25,897.00</u>	<u>\$1,950.00</u>	<u>\$27,847.00</u>

TOTAL BASE BID AMOUNT (Items 1-4)

\$254,079.00

DO NOT INCLUDE SALES TAX OR INSTALLATION ON THE PROPOSAL FORM

**COLTON JOINT UNIFIED SCHOOL DISTRICT**  
**1212 Valencia Drive**  
**Colton, CA 92324**

**PROPOSAL FORM FOR BID #18-02**  
**ADDITIONAL PRICING INFORMATION (cont.)**

**Optional:** Bidders may list percent discounts from their current, general published component pricing catalog for playground equipment, or specified catalogs for their full line of products, if they wish. The District reserves the right to accept or reject any general discount when making any award.

<u>Manufacturer Submitted</u>	<u>% Discount</u>	<u>Shipping</u>	<u>Minimum Freight</u>
PLAYWORLD	17%	< 1,000 LBS \$ 2.56/LB	\$1,000-
		> 1,000 LBS \$ 2.15/LB	
		> 2,000 LBS \$ 1.84/LB	
		> 5,000 LBS \$ 1.60/LB	
WABASH	15%	< 1,000 LBS \$ 2.93/LB	\$1,000-
		> 1,000 LBS \$ 2.45/LB	
		> 2,000 LBS \$ 2.10/LB	
		> 5,000 LBS \$ 1.82/LB	
PW ATHLETIC	15%	< 1,000 LBS \$ 1.75/LB	\$1,000-
		> 1,000 LBS \$ 1.44/LB	
		> 2,000 LBS \$ 1.25/LB	
AMERICAN BUILDING PROD	5%	\$0.70/LB	\$600-
CUSTOM CANOPIES, INC.	5%	\$0.25/LB	\$400-
URBANSCAPE	10%	< 1,000 LBS \$ 2.94/LB	\$1,000-
		> 1,000 LBS \$ 2.45/LB	
ZEAGER BROTHERS	5%	\$800 PER 100 CY	\$1,000-
PRO-TECT TURF	5%	INCLUDED	N/A
TOT TURF	5%	INCLUDED	N/A
ROBERTSON RECREATIONAL SURFACES	5%	\$0.65/LB	\$1,000
GREEN VALLEY	10%	< 1,000 LBS \$ 2.94/LB	\$1,000-
		> 1,000 LBS \$ 2.45/LB	
PLAYSIMPLE	5%	< 1,000 LBS \$ 2.56/LB	\$1,000-
		> 1,000 LBS \$ 2.15/LB	
LIFE TRAIL	5%	< 1,000 LBS \$ 2.56/LB	\$1,000-
		> 1,000 LBS \$ 2.15/LB	
NEOS	5%	< 1,000 LBS \$ 2.56/LB	\$1,000-
		> 1,000 LBS \$ 2.15/LB	

**COLTON JOINT UNIFIED SCHOOL DISTRICT**  
**1212 Valencia Drive**  
**Colton, CA 92324**

**PROPOSAL FORM FOR BID #18-02**  
**ADDITIONAL PRICING INFORMATION**

**Optional:** Bidders may list percent discounts from their current, general published component pricing catalog for playground equipment, or specified catalogs for their full line of products, if they wish. The District reserves the right to accept or reject any general discount when making any award.

<u>Manufacturer Submitted</u>	<u>% Discount</u>	<u>Shipping</u>	<u>Minimum Freight</u>
		< 1,000 LBS \$1.75/LB > 1,000 LBS \$1.43/LB > 2,000 LBS \$1.25/LB	
PATTERSON-WILLIAMS	10%		\$1,000-
L.A. STEELCRAFT	10%	\$0.70/LB	\$1,000-
KAY PARK	10%	\$0.70/LB	\$600-
MOST DEPENDABLE FOUNTAINS	5%	\$0.65/LB	\$600-
HAWS	5%	\$0.65/LB	\$600-
STERN WILLIAMS	5%	\$0.65/LB	\$600-
MURDOCK	5%	\$0.65/LB	\$600-
DB RECREATION SERVICES	5%	\$2.56/LB	\$1,000-
JENSEN SWING PRODUCTS	5%	\$0.40/LB	\$400-
CHILD FORMS	5%	\$0.65/LB	\$600-
PLAYWORLD FAMILY OF PRODUCTS	5%	\$2.56/LB	\$1,000-
RECYCLED WOOD PRODUCTS	5%	\$800 PER 100 CY	\$1,000-
ARTESIA SAWDUST PRODUCTS	5%	\$800 PER 100 CY	\$1,000-
SOF'FALL	5%	\$800 PER 100 CY	\$1,000-
SOF' SOLUTIONS	5%	\$0.65/LB	\$600-
NO-FAULT	5%	\$0.65/LB	\$600-

**COLTON JOINT UNIFIED SCHOOL DISTRICT**  
**1212 Valencia Drive**  
**Colton, CA 92324**

**PROPOSAL FORM FOR BID #18-02**  
**ADDITIONAL PRICING INFORMATION (cont.)**

**Optional:** Bidders may list percent discounts from their current, general published component pricing catalog for playground equipment, or specified catalogs for their full line of products, if they wish. The District reserves the right to accept or reject any general discount when making any award.

<u>Manufacturer Submitted</u>	<u>% Discount</u>	<u>Shipping</u>	<u>Minimum Freight</u>
TURBOSCAPE	5%	\$ 25 /CUBIC YARD	\$ 1,000-
FLEXGROUND	5%	INCLUDED	N/A
INTERNATIONAL MULCH CO.	5%	\$ 0.50/LB	\$ 1,000-
PERCUSSION PLAY	5%	\$ 0.70/LB	\$ 1,000-
SOF SURFACES	5%	\$ 0.65/LB	\$ 600-
PETERSEN MFG	5%	\$ 0.70/LB	\$ 600-
SPORTS PLAY	5%	\$ 0.70/LB	\$ 600-
DOG ON IT PARKS	5%	\$ 0.70/LB	\$ 1,000-
MSS	5%	\$ 0.70/LB	\$ 600-
FIBERBUILT	5%	\$ 0.70/LB	\$ 600-
NORTH COUNTY SUPPLY	5%	\$800 per 100 cy	\$ 1,000-
TRIACTIVE AMERICA	5%	\$ 0.70/LB	\$ 1,000-
RAIN DECK	5%	\$ 0.70/LB	\$ 1,000-

# **PIGGYBACK CLAUSE**



# **MINUTES / ADVERTISING**

# Colton Joint Unified School District

Jerry Almendarez, Superintendent

Dr. Frank Miranda, Assistant Superintendent, Business Services



## Certification of Minutes

The Board of Education of the Colton Joint Unified School District met in Regular Session on Thursday, December 7, 2017, at 6:00 p.m. in the Board Room at 18829 Orange Street, Bloomington, California 92316.

Members Present: 6

Members Absent: 1

### Action Section – Action Items

**Section 6** On motion of Board Member Taylor and Board Member Cenicerros and carried on a 6-0 vote, the Board approved Action Item 6.15 as presented.

**#6.15** **Award of Bid No. 18-02 to Dave Bang Associates for Playground Equipment and DSA Shade Shelters**

I, Dr. Frank Miranda, Assistant Superintendent of Business Services, for the COLTON JOINT UNIFIED SCHOOL DISTRICT, do hereby certify that the above is a true and correct copy of the motion duly made, adopted, and entered on the minutes of the Governing Board of said District.

By: \_\_\_\_\_

December 11, 2017



### Agenda Item Details

Meeting	Dec 07, 2017 - Board of Education Regular Meeting, Public Hearing, and Re-Organizational Meeting Agenda
Category	6. Action Session - Action Items
Subject	6.15 Award of Bid No. 18-02 to Dave Bang Associates for Playground Equipment and DSA Shade Shelters
Type	Action - Business Services Division
Preferred Date	Dec 07, 2017
Absolute Date	Dec 07, 2017
Budget Source	\$60,000 from the General Fund or Self Insurance Fund 67 as needed
Recommended Action	That the Board award Bid No. 18-02 to the lowest responsible bidder, Dave Bang Associates, Inc., for playground equipment and DSA shade shelters.

Bids for playground equipment and DSA shade shelters were opened on November 17, 2017. The bid was conducted in accordance with Public Contract Code 20111 and advertised in accordance with Public Contract Code 20112. One vendor submitted a bid.

This bid was conducted to meet the needs of the District on an as needed basis. The District currently has fifty-eight separate play equipment areas on our campuses. The main use of this bid will be to maintain the safety of our playground's fall surface material. Properly maintained engineered wood fiber has the highest impact attenuation rating out of all fall surfaces available. Impact attenuation is the ability of a fall surface to absorb and dissipate the impact of a child's fall from play equipment to the safety surface below. Fall surface materials are rated by the Consumer Products Safety Commission (CPSC).

The District will replenish engineered wood fiber fall surface material as needed in play equipment areas in the District. Cost to replenish specific sites varies due to the varying sizes of play areas at each site.

Additionally, this piggybackable bid will be used by school districts and other public agencies throughout the State of California. In the past, public entities throughout the State have relied on the Colton Joint Unified School District piggybackable bid for playground equipment and DSA shade shelters to fulfill their respective needs.

## BOARD AGENDA

REGULAR MEETING

December 7, 2017

ACTION ITEM

- TO:** Board of Education
- PRESENTED BY:** Dr. Frank Miranda, Assistant Superintendent, Business Services Division
- SUBJECT:** Award of Bid #18-02 to Dave Bang Associates for Playground Equipment and DSA Shade Shelters
- GOAL:** Facilities /Budget Planning
- STRATEGIC PLAN:** Strategy #1 - Communication
- BACKGROUND:** Bids for playground equipment and DSA shade shelters were opened on November 17, 2017. The bid was conducted in accordance with Public Contract Code 20111 and advertised in accordance with Public Contract Code 20112. One vendor submitted a bid.
- This bid was conducted to meet the needs of the District on an as needed basis. The District currently has fifty-eight separate play equipment areas on our campuses. The main use of this bid will be to maintain the safety of our playground's fall surface material. Properly maintained engineered wood fiber has the highest impact attenuation rating out of all fall surfaces available. Impact attenuation is the ability of a fall surface to absorb and dissipate the impact of a child's fall from play equipment to the safety surface below. Fall surface materials are rated by the Consumer Products Safety Commission (CPSC).
- The District will replenish engineered wood fiber fall surface material as needed in play equipment areas in the District. Cost to replenish specific sites varies due to the varying sizes of play areas at each site.
- Additionally, this piggybackable bid will be used by school district and other public agencies throughout the State of California. In the past, public entities up and down the State have relied on the Colton Joint Unified School District piggybackable bid for playground equipment and DSA shade shelters to fulfill their respective needs.
- BUDGET IMPLICATIONS:** \$60,000 from the General Fund or Self Insurance Fund 67 as needed.
- RECOMMENDATION:** That the Board award Bid #18-02 to the lowest responsible bidder, Dave Bang Associates, Inc., for playground equipment and DSA shade shelters, as presented.

**ACTION:**

On motion of Board Member \_\_\_\_\_ and \_\_\_\_\_, the Board awarded Bid #18-02 to the lowest responsible bidder, Dave Bang Associates, Inc., for playground equipment and DSA shade shelters.

**SAN BERNARDINO COUNTY SUN**

This space for filing stamp only

473 E CARNEGIE DR #200, SAN BERNARDINO, CA 92408  
Telephone (909) 889-9666 / Fax (909) 884-2536

DAVID BEESON  
COLTON JOINT UNIFIED SCHOOL DIST.  
1212 VALENCIA DRIVE  
COLTON, CA - 92324

SB #: 3066773

**PROOF OF PUBLICATION**

(2015.5 C.C.P.)

State of California )  
County of SAN BERNARDINO ) ss

Notice Type: BIDS - NOTICE INVITING BIDS-SB

Ad Description:

NOTICE INVITING BIDS Bid #18-02

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer and publisher of the SAN BERNARDINO COUNTY SUN, a newspaper published in the English language in the city of SAN BERNARDINO, county of SAN BERNARDINO, and adjudged a newspaper of general circulation as defined by the laws of the State of California by the Superior Court of the County of SAN BERNARDINO, State of California, under date 06/27/1952, Case No. 73081. That the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

11/02/2017, 11/09/2017

Executed on: 11/09/2017  
At Riverside, California

I certify (or declare) under penalty of perjury that the foregoing is true and correct.



Signature

**NOTICE INVITING BIDS**  
Notice is hereby given that the Board of Trustees of the Colton Joint Unified School District will receive sealed bids to be delivered to the Purchasing Department, 1212 Valencia Drive, Colton, CA 92324 on or before 10:00 a.m., on November 17, 2017, for Playground Equipment and DSA Shade Shelters in accordance with specifications contained in Bid #18-02, which is available at the above stated address.

The Governing Board of said school district reserves the right to accept or reject any or all bids or parts thereof, to be the sole judge of merits and qualifications of the items or services offered and the ability of the bidder to responsibly perform; to waive any irregularities or informalities in any bid or in the bidding procedure and may accept other than the lowest bid offered.

Dave Beeson  
Purchasing and Warehouse Director  
11/2, 11/9/17

**SBS-3066773#**



\* A 0 0 0 0 0 4 5 9 7 7 1 6 \*

# **BID DOCUMENT**

## NOTICE INVITING BIDS

Notice is hereby given that the Board of Trustees of the Colton Joint Unified School District will receive sealed bids to be delivered to the **Purchasing Department**, 1212 Valencia Drive, Colton, CA 92324 on or before **10:00 a.m.**, on **November 17, 2017**, for **Playground Equipment and DSA Shade Shelters** in accordance with specifications contained in Bid **#18-02**, which is available at the above stated address.

The Governing Board of said school district reserves the right to accept or reject any or all bids or parts thereof, to be the sole judge of merits and qualifications of the items or services offered and the ability of the bidder to responsibly perform; to waive any irregularities or informalities in any bid or in the bidding procedure and may accept other than the lowest bid offered.

*Dave Beeson*

Dave Beeson  
Purchasing and Warehouse Director

To be published on:  
November 2 and  
November 9, 2017.

## General Bid Instructions and Conditions

1. **Preparation of Bid:** Submit bid on District form in a separate sealed envelope with project identification name on the outside. Bid must be returned to the Purchasing Department of the Colton Joint Unified School District on or before the day and hour specified. Faxed bids will not be accepted.
2. **Responsibility:** All bids shall be signed with the firm name and by a responsible officer or employee. It is the sole responsibility of the bidder to see that his bid is received in the Purchasing Department, in proper time. Bids received after this time will be returned unopened.
3. **Corrections:** All prices and notations shall be typewritten or in ink. No erasures will be permitted. Mistakes may be crossed out and corrections made adjacent to the error and shall be initialed in ink by the person signing the bid. Verify bids before submission. Once opened, they cannot be corrected or withdrawn.
4. **Acceptance:** Prices shall be stated in units specified only. Both the unit price and extensions must be shown. In case of a discrepancy between the unit price and extension, the unit price will be considered correct.
5. **Award of Contract:** The District reserves the right to accept or reject any or all bids, to accept or reject any item thereon, to waive any irregularities in the bid or bidding. The District will act as the sole judge of the merit and qualifications of the materials offered and accept whatever bid is deemed to be in the best interest of the District. **The award of the contract, if made by the District, will be to the lowest responsible bidder based on the total base bid amount.**
6. **Brand Name and Number:** Brands of equal make or type which are substantially the same or better than those specified are acceptable. Brands as listed on the bid form are given for descriptive purposes only. The bidder shall state the brand name and number in the column provided. If none is indicated, it shall be understood that the bidder is quoting on the exact brand and number specified in the bid form.

The playground layout shown in the plan view is based upon equipment and measurements from Playworld Systems, with age specific components. Acceptable manufacturer is Playworld Systems or equal. Other products may be considered equal if all of the parameters, specifications and design intent of the drawings are met and the provisions contained in paragraph 7, "Product Substitutions" are met. If the playground equipment bid is based on product other than Playworld Systems and the product is determined by the District to be not equal, the bid will be rejected.

The acceptable manufacturer for shade shelters is American Building Products or equal. Other products may be considered equal if all of the parameters, specifications and design intent of the drawings are met and the provisions contained in paragraph 7,

"Product Substitutions" are met. If the shade shelter bid is based on product other than Americana Building Products and the product is determined by the District to be not equal, the bid will be rejected.

7. **Product Substitutions:** Nothing in this specification is intended to limit competition or to specify a particular manufacturer. Where a manufacturer's name or trade name is specified the intent is to establish quality, specifications or utility of the items desired; and an item of equal quality and meeting equal specification and utility may be substituted subject to the following provisions:

Playground Equipment - All substitutions must be reviewed and approved by the District. For this purpose, submit with the bid, in duplicate, a list containing a description of each proposed substitute item or material along with the manufacturer's name, contact and phone number. The list must include a match, item for item, for those listed in the specifications for Playworld Systems in tabular form with a plan view and 3-D view of the layout. Attach to the list sufficient data, drawings, samples, literature or other detailed information that will demonstrate to the District that the proposed substitute is equal in quality, utility and appearance to the material specified. Failure of the bidder to submit proposed substitutions for approval in the manner described above, and with the sealed bid response, shall be sufficient cause for disapproval by the District of any substitutions proposed.

Shade Shelters - All substitutions must be reviewed and approved by the District. For this purpose, submit with the bid, in duplicate, a list containing a description of the proposed substitute item or material along with the manufacturer's name, contact and phone number. The list must include a match, item for item, for those listed in the specifications for Americana Building Products in tabular form. Attach to the list sufficient data, drawings, samples, literature or other detailed information that will demonstrate to the District that the proposed substitute is equal in quality, utility and appearance to the material specified. Failure of the bidder to submit proposed substitutions for approval in the manner described above, and with the sealed bid response, shall be sufficient cause for disapproval by the District of any substitutions proposed.

8. **Design and Fabrication:** Playground equipment and modular units submitted for consideration shall be equivalent in design, layout, deck size, post size, clamping/fastening system, deck/slide/climber height, ADA accessibility, appearance, color and construction detail of the playground equipment, structure or modular unit specified in the drawings. Reasonable variations in size/height (no more than +/- 6") and manufacturer's standard colors may be allowed at the District's discretion. Color schemes are to match as closely as possible to the original specified colors. Play value and safety features of components must be equal or superior to specified design as judged by the District. Variations resulting in the reduction of safety will not be considered equal.

9. **Samples:** Samples of items, when required, shall be furnished free of expense to the District, and may be retained by the District for the purpose of comparing against material delivered by the successful bidder. The final decision as to whether the material or product is equal to that specified shall be made by the District.

9. **Hold Harmless Clause:** The supplier shall hold harmless and indemnify the District and the Board of Education, its officers and employees, from every claim or demand which may be made by reason of:

- a. Any injury to person or property sustained by the supplier or by any person, firm, or corporation employed directly or indirectly by him upon or in connection with his performance under the purchase order, however caused.
- b. Any injury to person or property sustained by any person, firm, or corporation, caused by any act, neglect, default, or omission of the supplier or of any person, firm, or corporation, directly or indirectly employed by him upon or in connection with his performance under the purchase order.
- c. Any liability that may arise from the furnishing or use of any copyrighted or uncopyrighted composition, secret process, or patented or unpatented invention, under the purchase order.

10. **Delivery:** The vendor shall be responsible for delivery and shall pay all costs including drayage, freight, and packing, for delivery F.O.B. to the District warehouse or to other points within the Colton Joint Unified School District as may be specified in this bid form. Each item shall be packed and shall be accompanied by a packing list and purchase order number. The right is reserved to reject and return at the risk and expense of the vendor such portion of any shipment which may be defective or fail to comply with specifications, without invalidating the remainder of the order.

11. **Taxes:** INCLUDE California State Sales Tax. DO NOT include Federal Excise Tax as school districts are exempt therefrom.

12. **Discount:** Cash discounts, when stated on the bid, shall be allowed on all payments that are processed by the District with reasonable promptness after acceptance of material and receipt of vendor's invoice in triplicate. Cash discounts for a period of less than thirty (30) days will not be considered in determining low bidder.

13. **Non-Bidders:** If a bid is not made, please notify the District if you wish to remain on the mailing list.

14. **Interpretations of Bid Documents:** All interpretations of the bid conditions and/or specifications shall be made only by written addendum. The District shall not be responsible for any other explanation or interpretation of the bid document.

Requests for interpretations of the bid conditions and/or specifications shall be made to the District no later than four (4) business days prior to the bid opening date.

15. **Safety Regulations:** All equipment and supplies furnished, and/or work performed, shall meet all applicable safety regulations of the Division of Occupational Safety and Health of the State of California and Safety and Health Codes of the State of California. All supplies purchased must conform with Education Code 32060, which restricts the use of toxic supplies requiring that they bear a label informing the user of the presence of hazardous ingredients, the potential health effects, and instructions for safe use. Material Safety Data Sheet must accompany invoice on these items.

16. **Affirmative Action:** The bidder in responding affirms that they are an Equal Opportunity Employer. No discrimination shall be made in the employment of persons upon public works in this project because of the sex, race, color, national origin or ancestry, religion, or handicap of such personnel.

17. **Default by Supplier:** If the supplier fails or neglects to furnish or deliver any of the materials, supplies, or services at the prices stated and in accordance with the terms and conditions of the bid and purchase order, the District may cancel the entire purchase order or any items affected by such default; may procure the articles or services from other sources and may deduct from any unpaid balance due the supplier or collect against the security, excess costs so paid. The prices paid by the District at the time such purchases are made shall be considered the prevailing market prices.

18. **Non-Discrimination:** In response to this bid, the vendor affirms that it is an equal opportunity employer, and does not discriminate in regard to race, color, religion, sex, or national origin.

19. **Pricing – Term of Contract:** Minimum contract term is five (5) years, in accordance with provisions contained in Education Code Sections 17596 (K-12) and 81644 (Community Colleges). Quoted prices for additional equipment must stay in effect for two (2) years after award of bid. A maximum price increase of five percent (5%) per year beginning in year three (3) may be negotiated subject to existing market conditions. In the event of a general price decrease, the District reserves the right to revoke the bid unless the decrease is passed onto the District.

20. **No Minimum or Maximum Quantities, Order Charges, or Limitations Upon Number of Orders:** The District does not guarantee orders in the quantities shown on the bid form, nor shall the District be required to limit its orders to only those figures. **This is an indefinite-quantity bid.** Bidders shall not specify minimum or maximum quantities or charges for specific order types. Unlimited orders within the term of the contract shall be allowed to the awarding district and/or districts represented by this bid at prices quoted.

21. **Piggyback Clause:** For the term of the contract and any mutually agreed extensions pursuant to this request for bids, at the option of the vendor, other school

districts and community college districts, any public corporation or agency, including any county, city or town in the State of California, may purchase or lease-purchase, the identical item(s) at the same price and upon the same terms and conditions pursuant to Public Contract Code 20118 (K-12) and 20652 (Community Colleges).

The Colton Joint Unified School District waives its right to require such other districts and offices to draw their warrants in the favor of the District as provided in said Code sections.

**Acceptance or rejection of this clause WILL NOT affect the outcome of this bid.**

22. **Insurance Requirements:** The Contractor shall secure and maintain from an admitted California surety, the minimum amounts of coverage listed below to protect against claims that may arise from operations under the contract, whether such operations are by the Contractor or anyone directly or indirectly employed by them. All Contractors shall have Commercial General Liability (CGL) and Commercial (Business) Automobile Liability (CA or BA). Workers Compensation (WC) shall also be provided unless exempted as outlined below. Under some circumstances, the District may also require Errors and Omissions (E&O), excess, or other coverage whenever exposure warrants, as determined by the District.

Failure to obtain or maintain the required coverage or furnish the required certificates, endorsements, or policies shall constitute a material breach of this agreement and may result in termination of the agreement.

### **Evidence of Insurance**

Satisfactory Evidence of Insurance shall be provided to the District. All Certificates and endorsements shall be signed by an authorized representative of the insurance carrier. The District reserves the right to require the original Certificate(s)/endorsement(s) and/or to require copies of the Contractor's insurance policy(ies).

Insurance Certificates are required to have a 30-day non-renewal/cancellation notice clause and shall include NAMED ADDITIONAL INSURED ENDORSEMENTS as indicated below.

Satisfactory Evidence of Insurance must be submitted and approved by the District prior to providing any product or service covered under this agreement.

### **Additional Insureds**

The CGL and CA/BA policies shall be endorsed to name the following as additional insureds: Colton Joint Unified School District, its directors, officers, employees, volunteers and Board members.

## **Rating of Insurer**

All policies shall be from admitted insurers with an A.M. Best rating of at least A-, VII, or better, except that for W/C coverage, the California State Compensation Insurance Fund (State Fund) is acceptable. The District reserves the right to approve other carriers if found acceptable to the District Department of Risk Management and Health Benefits.

## **Minimum Coverages**

### **Commercial General Liability (CGL)**

Includes both bodily injury and property damage

\$1,000,000 per occurrence

\$ 100,000 fire damage

\$ 5,000 medical expenses

\$1,000,000 personal and advertisement injury

\$3,000,000 general aggregate\*

\$3,000,000 products/completed operation aggregate

\*\$3,000,000 general aggregate may be waived if the policy is endorsed stating that the \$1,000,000 occurrence applies solely and separately to the Colton Joint Unified School District and the waiver is approved by the Colton Joint Unified School District.

### **Commercial (Business) Automobile Liability (CA or BA)**

All owned, hired and non-owned vehicles

\$1,000,000 combined single limit

### **Workers Compensation (WC)**

Part A – Statutory Limits

Part B – Employer's Liability - \$1,000,000/\$1,000,000/\$1,000,000

Exemption: Sole proprietors with no employees are exempt from providing WC coverage. Contractors meeting this exemption requirement must provide the District with evidence of their exemption.

23. **Contractor License Requirements:** All bidders must be registered with the California State Contractors License Board prior to the bid opening. Each bidder must possess a current **Class C-61/D-34 Prefabricated Equipment license.**

Additionally, all bidders must be registered with the California Department of Industrial Relations prior to bid opening in accordance with SB 854.

# SPECIAL CONDITIONS OR INSTRUCTIONS

## BID #18-02

1. Quantities shown are approximate. The Colton Joint Unified School District does not guarantee them as minimum or maximum quantities to be furnished.
2. All deliveries will be F.O.B. destination. Specific destinations within the District will be noted on individual purchases orders as purchases are made.
3. Initial bid prices must remain in effect for two (2) years from the bid award date. See paragraph 19 of the General Bid Instructions and Conditions regarding pricing.
4. Successful bidder will be required to replace any damaged items before acceptance is made by the District.
5. **Optional:** Where indicated on the bid proposal form, bidders may also list percent discounts from their current, general published component pricing catalog for playground equipment, or specified catalogs for their full line of products, if they wish. The District reserves the right to accept or reject any general discount when making any award.

# PLAYGROUND EQUIPMENT GENERAL SPECIFICATIONS

1. All playground equipment bid must be International Play Equipment Manufacturers Association (IPEMA) certified. In addition, the manufacturers of the play equipment must be members of the International Play Equipment Manufacturer's Association (IPEMA).

**Bidders must submit proof of these requirements with their sealed bid response.**

2. All playground equipment must meet the most current American Society for Testing and Materials (ASTM) standard F1487 and the requirements contained in the Consumer Product Safety Commission (CPSC) Handbook for Public Playground Safety.

**Bidders must submit proof of these requirements with their sealed bid response.**

3. To ensure proven quality control standards, the manufacturer of the play equipment must have ISO 9001 certification.

**Bidders must submit proof of this requirement with their sealed bid response.**

4. All playground designs must meet or exceed the most current American's with Disabilities Act (ADA) "Accessibility Guidelines for Play Areas".

**Bidders must submit proof of this requirement with their sealed bid response.**

5. A minimum warranty as follows must be offered:

Limited Warranty Time Periods

- **LIFETIME** on steel and aluminum posts, stainless steel hardware, clamps, deck hangers, post caps, and cast aluminum parts, except as otherwise specified below.

- **25 YEARS** on Spring Mates® aluminum castings.

- **15 YEARS** on all perforated steel decks and stairs, steel rails, stationary weldments, rotationally-molded and sheet plastic components, recycled plastic lumber, roof panels, stainless steel slides, aluminum slide, and PlayWeb® tubular steel parts, except as otherwise specified below by product family type.

- **10 YEARS** on fiberglass signage, RockBlocks® handholds, accessible swing seats, steel-core cable, all Fun Centers™ and FirstPlay™ play structures, and pre-cast PolyFiberCrete® or reinforced concrete products. The warranty for pre-cast concrete products does not cover minor chips, hairline cracks or efflorescence.

- **5 YEARS** on all PlaySimple® play structures; CushionPlay™; DropZone Tower™; LiveWire Zip Line™; AeroGlider™; Border Timbers™; swing seats; steel coil and C springs; and site amenities including all benches, tables, litter receptacles and bike racks. All motion/moving play components and parts, except as listed below.

- **2 YEARS** on NEOS®, electronic based play products, GardenSoxx® polyethylene bags, swing chain, swing clevises, swing galvanized attachment hardware, and any other materials not covered above. (\*An extended 3-year NEOS parts-only warranty is available for purchase, providing a total coverage of five years.)

**Bidders must submit proof of these warranties with their sealed bid response.**

6. Specifications and site drawings for the playground equipment requested are included with this bid packet for your convenience.
7. Playground equipment shall be Playworld Systems or approved equal.

# PLAYGROUND EQUIPMENT PRODUCT SPECIFICATIONS

1. **Material:** All materials shall have a demonstrated record of durability in the playground or similar outdoor setting. All metals shall be painted, galvanized, or otherwise treated to inhibit rust. Black steel is not acceptable.
2. **Hardware:** All required hardware for assembly of the structure shall be included. All fasteners shall be 18-8 grade stainless steel (300 series) unless otherwise indicated. Capped lock nuts which cover bolts ends shall be included. Tamper resistant hardware is utilized on principle clamping mechanisms. Special tools shall be provided for assembly and maintenance. Physical locking devices are used on all exposed and accessible connection points, such as lock nuts. A nylon threadlocking patch is applied to certain hardware. Liquid thread-lock is also used to hinder fastener removal.
3. **Eco-Armor Coating:** A coated application shall be from 45 to 55 mils on the wear surfaces of all coated parts and 30 mils on other surfaces. Environmentally Sensitive - PVC and phthalate free - Coating is made of an ultraviolet stabilized polyethylene material. Coating meets California, State of Washington and other state and federal requirements for phthalates and heavy metal content. No dioxins produced if burned. Discarded product and waste production material can be recycled into other products (recycling symbol 2). Shall contain no volatile organic compounds (VOC's). Taber abrasion tests (ASTM D4060) show that the PE coating abrasion resistance is over 1.7 times the abrasion resistance of PVC. Durable - Extreme cold (to -20 degrees F) cycle testing indicates no cracking or loss of adhesion to the metal substrate. Slip Resistant – Textured finish for enhanced traction. Coating has 0.74 coefficient of friction per ASTM1679. ADA considers a 0.5 coefficient of friction or higher to be slip resistant.
  - Flexibility (conical mandrel): ASTM D 522-1/8", no cracks (greater than 32%)
  - Adhesion: ASTM D 4541 - 800 psi Impact Resistance - ASTM D 2794 – greater than 320 in-lbs.
  - Gloss - ASTM D 523–12
  - Taber Abrasion: ASTM D 4060-26 (mg loss, CS 17 wheel)
  - Tensile Strength - ASTM D 638-3482 psi
  - % Elongation: ASTM D 638 - 13%
  - Humidity Resistance - ASTM D 2247 - No blistering or loss of gloss after 1000 hours
  - Salt Spray: ASTM B 117 - 2000 hrs, no significant change in color or gloss QUV - ASTM G 53 - 2000hrs, no significant change in color or gloss.
4. **Installation / Maintenance Documentation:** Explicit installation instructions shall be provided which will include a detailed top view and footing drawings plus written instructions to assure proper installation of the equipment. Maintenance guidelines and inspection checklists shall also be provided. The provided

installation instructions and maintenance instructions shall be “project” specific containing component information that is part of the playground design.

5. **Packing List:** All shipments shall include a packing list for each skid/container, specifying the part numbers and quantities on each skid or within each container.
6. **Packaging:** Support posts shall be individually packaged in sturdy, mar-resistant cardboard boxes. Components shall be individually wrapped or bulk wrapped to provide protection during shipment. Small parts and hardware packages will be placed in crates for shipment. Installation instructions shall be packaged within the hardware packages.
7. **Maintenance Kit:** An order-specific maintenance kit shall be provided for each structure order. The kit will include a CD as well as packet with a second set of installation documents and order-specific maintenance documentation with recommendations on how often to inspect, what to look for and what to do to keep the equipment in like-new condition. The kit also includes primer, appropriate color touch-up paint, sandpaper, graffiti remover and additional installation tools and hardware.
8. **PlayPod™/Tag Labels:** Equipment mounted technology containing information relative to that particular product purchase order for equipment manufactured by Playworld Systems, Inc. Information should be instantaneously available utilizing current Smart Phone technology through QR Code reader application. Information will be available for any Smart Phone user including children and caregivers, playground owners and maintenance workers. Technical information will include but be not limited to: date of manufacture, installation instruction(s), component specific details for parts reorder and maintenance schedules. Also included will be the manufacturer's sales order number, drawing number, bill of materials, part numbers and local distributor information. The user will have access to email any of these documents and can email Playworld Systems, Inc. or call Playworld Systems immediately using this technology.
9. **Shade:** The fabric is woven of high density polyethylene monofilament 500 denier yarn that is annealed at 176° F. The weight per square yard is 11 ounces. Break Strength (ASTM D5034) is: Warp 309 lbs, and Weft 352 lbs. Burst Strength (ASTM D3787) is 490 lbs. Elongation compensation (ASTM D1682) is Warp @ 4% Weft @ 6%. Tear strength (ASTM D2261) is Warp 57 lbs Weft 82 lbs. Hydraulic burst (ASTM 3786) is 564 pounds per square inch. Includes Ultra Violet Stabilizers Tinuvin 783 & Irganox B215. Ultra Violet Stability is 10 years. Shade Effect (AS 4174): Angle of Incidence 92% to 94%. Ultraviolet block Angle of Incidence 90% to 92%
10. **Origins™ Boulders and Climbers:** Boulder shall be manufactured with a minimum of 2000 psi polyfibercrete. It shall have 90lbs/cubic feet average density. The use surface is sandblasted to achieve desired texture. The texture

and shape will mimic natural rock formations. Different features and variations in the surface will provide the climbing routes.

**11. Urethane Molded Bumper:** These parts shall be manufactured from TD 172-01B polyurethane. TD 172-01B polyurethane is a tough, abrasion resistant elastomer formulated for hand-batch processing. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA or TDI. TO 172-01B meets the specification for UL 94V2 flame resistance. Cured properties shall be: Hardness (shore A) ASTM D-2240 65 ±5, Tensile Strength (psi) ASTM D-638 1365, Elongation at break ASTM D-638 335%, Tear strength (pli) ASTM D-695 125, Linear Shrink (in./in.) ASTM D-2566 0.002, Specific Gravity (g/cc) 1.06.

**12. Coil Spring:** Shall be manufactured from stainless steel 20 mm diameter wire. Shall have an outside diameter of 180 mm Coil direction shall be right-handed. Complies to ASTM A-227/ A-227M-90 standard specifications for steel wire, cold drawn for mechanical springs.

**13. Rotational Molded Polyethylene:** Shall be rotationally molded from color-compounded, first quality, linear low density, polyethylene. Dry-blended resins are not acceptable. Color-compounded polyethylene is stronger than dry blended resins providing better bonded strength with greater surface contact. Compounded color provides superior colorfastness, UV resistance, and impact resistance with solid color molecules. Polyethylene shall be ultraviolet (UV) stabilized to UV-8 and have anti-static additives. Cross-sectional design shall be .25 in. (6 mm) nominal thickness, double wall construction.

- ASTM Specifications: Melt Index; D-1238: 5.0 – 6.89/10 min<sup>3</sup>
- Material Density; D-1505: .932 – 936 g/cm
- Tensile Strength; D-638: @ yield 2 in. min., 2,200, 2,500 psi.
- Flexural Modulus; D-790: @ 1% secant, 73,000 – 87,200 psi.
- Meets UL94HB Horizontal Burn Test.
- Arm Test for impact strength (@ minus 40°C) (.25 in. thickness). 100 ft./lb.
- UV Exposure (SAE 1960-89) QUV 500 hrs. Delta E less than 2.

**14. Compression Molded Polyethylene:** These parts shall be manufactured from 3/4 high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of 960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Some parts are available in a two-color product with (2) .100" thick exterior layers over a .550" interior core of a contrasting color.

**15. Fiberglass Sign/Panel:** Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a nonyellowing, R-70 clear resin (or UV stabilized, acrylicmodified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color,

copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

**16. Rubber Platform Belting:** Shall be made from styrene butadiene rubber. With 2 piles of polyester reinforcement. A thickness of 0.38 inch. A maximum tension of 220 pounds per inch width or higher. Cover on both side of reinforcement.

**17. Overhead Cables:** 1/4" diameter; type 302 stainless steel; 19 x 7 strand core; performed and lubricated formation; breaking strength of 5700 lbs.: MIL spec: MIL DTL-83140.

**18. Adventure Rope:** Comprised of six-stranded and tempered cable with a polypropylene core. The galvanized steel wire cores of the six strands are inductively fused to polyamide coating.

**19. Super Durable Polyester Powder Coat:** Powder coating is electrostatically applied at a thickness of 2 to 5 mils (.002 - .005). Prior to finishing, components shall be cleaned with a three-stage alkaline bath and followed by a sealer for adhesion and rust inhibitor during the preparation process. Components are thoroughly dried before applying an epoxy/polyester primer. The primer is cured before applying Superdurable TGIC polyester powder. Finish quality conforms to ASTM Specifications:

- Salt Spray Resistance Test; B-117: 4,000 hrs.
- Impact Resistance Test; D-2794: min. 80 inch/lb.
- UV Exposure (G154, 340): 3,000 hr. Delta E of 2, 90% gloss retention
- Pencil Hardness Test; D-3363: 2H
- Crosshatch Adhesion Test; D-3359-B: 100% pass
- Conical Mandrel; D-522: 1/8 inch, no cracks
- Gloss - 60°; D-523:

Super Durable Polyester Powder Coatings typically retain 90% of their original gloss after 1 year, and 50% of their original gloss after five years of Florida outdoor exposure. Expect Superdurable colors to retain 80% of their gloss after 2

years of outdoor exposure. These coatings are also shaded with high grade, light stable pigments and will shift less than 2dE in color after 2 years.

**20. Steel Tubing:** Tubing shall be cold rolled, electric resistance welded tubing. Tubing shall be triple coated for maximum exterior protection: a hot-dipped Flo-CoatR uniform zinc galvanized coating, a chromate conversion coating and a clear polymer coating. Galvanized exterior coating weight shall be within the range of .4 oz./sq. ft. and .6 oz./sq. ft. Tubing shall have corrosion resistant, zinc-rich paint interior coating. ASTM Specifications: A-315, A-500, A-513, E-8.

- tensile strength 55,000 psi, yield strength 50,000 psi 3"x3" sq x 12 gA
- tensile strength 55,000 psi, yield strength 50,000 psi 1.0219" OD x 14 gA
- tensile strength 75,000 psi, yield strength 60,000 psi 1.315" OD x 14 gA
- tensile strength 75,000 psi, yield strength 60,000 psi 2.375" OD x 12 gA

**21. Aluminum Tubing (Support Post and Sleeve):** Shall be extruded 6061-T6 extruded seamless aluminum alloy tubing. ASTM Specifications: A-315, A-500, A-513, B-221, QQ-A-200/8, E-8.

**22. Aluminum Tubing (Arch):** Shall be an all welded assembly fabricated of 6063-T4 extruded seamless aluminum alloy tubing.

**23. Decks / Platforms:** All shall be of modular design and have precision holes on the standing surface to prevent debris and water collection. There shall be slots in each face to accommodate face mounting of components. Decks shall be manufactured from a single piece of low carbon 12 GA (.105) sheet steel conforming to ASTM specification A-569. The sheet shall be perforated with a return flange on the perimeter to provide the reinforcement necessary to ensure structural integrity. There shall be no unsupported area. The unit shall then be EcoArmor coated.

**24. Die Cast Clamps:** Clamps / Castings shall be die cast of high strength 413 aluminum alloy. Tenzalloy (40-E, 315.0) is not acceptable as a load bearing clamp material. Ultimate tensile strength shall be 43 ksi. Clamps shall be provided as hinged assemblies to facilitate structure assembly. Unique S-lap design eliminates all string entanglement points at connection. Single bolt fastening system with built-in threads. Clamp connection disassembly and slippage is eliminated by using drive rivets. Double banded design provides the highest uniform clamping pressure around the entire clamp. Clamp shall be finished with a shot blast, primed with a cathodic epoxy coating conforming to MIL-P-53084 and coated with Super Durable Polyester Powder Coating. ASTM Specification B-85 aluminum alloy die casting.

**25. Cast Aluminum Clamps/Castings:** Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy or A319 aluminum alloy. The ultimate tensile strength

shall range between 18 – 35 ksi. Yield strength shall range between 13 – 23 ksi. ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

**26. Timber, Recycled Plastic:** Shall be fabricated of recycled plastic. Shall be high density polyethylene containing over 90% recycled post-consumer waste by weight. Shall contain UV stabilizers and be color consistent throughout the entire profile. Has exceptional resistance to corrosive substances, oils and fuels, fungi, salt spray, insects, and other environmental stresses. It will not rot, warp, splinter, crack, or absorb moisture. ASTM Specifications: , D-6109 (Elasticity Modulus & Flexural Stress), D-6111 (Density), D-6341 (Thermal Expansion), E-138 (Flash Point / Melt Temperature).

**27. Laminated Bamboo Panel:** Exterior Grade Laminated Bamboo Panel

Compression:

- Parallel To Grain: 13,488 PSI (ASTM 3501-86 A)
- Perpendicular To Grain: 3043 PSI (ASTM 3501-86)
- Tensile Strength:
- Parallel To Grain: 21,465 – 55,694 PSI (ASTM 3500-90)
- Perpendicular To Grain: 543 PSI (ASTM 3500-90)

Flexural Strength:

- 12,800 PSI (ASTM D3043)

Shear Strength:

- 2,901 PSI (ASTM D3048)

Modulus Of Elasticity:

- 2.9 E PSI (ASTM D 1037)

Thermal Properties:

- Thermal Conductivity:  $K = (W/M \cdot K (BTU \cdot IN/H \cdot FT^2 \cdot ^\circ F)) = 0.14(0.94)$
- Thermal Resistivity: (R) Value =  $(K \cdot MW (H \cdot FT^2 \cdot ^\circ F / BTU \cdot IN)) = 7.9(1.1)$
- Specific Gravity: 0.60
- Density: 42 LBS. / FT<sup>3</sup>

Dimensional Stability Coefficient:

- Volumetric Stability Factor: 0.00144
- Solid Dimensional Stability At 20% RH – Linear Expansion:
- Parallel -0.04 Percent Average (ASTM D 1037)
- Perpendicular -0.10 Percent Average (ASTM D 1037)
- Thickness Swell: -0.13 Percent Average (ASTM D 1037)

Moisture Content:

- Solid laminated bamboo: 5-9 percent (ASTM D 4442)

Flammability:

- "Class B" (ASTM E 84 Surface Burning)
- 65 – Flame Spread Index Developed
- 68 – Smoke Index Developed

Pest Resistance:

- Termite mortality when tested was 100%.
- Durability against wood destroying fungi is very high.

- Panels are indigestible to insects and micro-organisms and are more durable against decay than any wood product.

## **28. Polycarbonate Panel:**

- Panel shall be made from polycarbonate sheet plastic 0.50 inch (12.7 mm) thick with a minimum allowable tolerance of 0.451 inch (11.45 mm) and a maximum allowable tolerance of 0.585 inch (14.86 mm).
- Panels shall not have distortion in the form of a wrinkle, twist or scallop along the perimeter of the sheet.
- Panel shall have a durable stucco finish with a pebbled texture.
- Panels incorporate ultraviolet stabilization technologies that are proven to maintain aesthetics and performance.

### Compression Strength:

- 12,500 PSI (ASTM D695)

### Tensile Stress:

- Yield: 9,000 PSI (ASTM D638)
- Break: 9,500 PSI (ASTM D638)

### Flexural Strength:

- 13,500 PSI (ASTM D790)

### Shear Strength:

- Ultimate: 10,000 PSI (ASTM D732)
- Yield: 6,000 PSI (ASTM D732)

### 8 in. Metal Tubing - 10 ga.

- Shall be fabricated of 8 in. outside diameter, 10 gauge black steel tubing.
- Tensile strength shall be 71,900 psi.
- Yield strength shall be 54,500 psi.
- Finished with a baked on polyester powder coating.

**29. Activo - Arches and Posts:** Arches & Posts shall be fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing. Tubing shall be cold rolled, electric resistance welded tubing. Tubing shall be triple coated for maximum exterior protection: a hot-dipped Flo-Coat uniform zinc galvanized coating, a chromate conversion coating and a clear polymer coating. Galvanized exterior coating weight shall be within the range of .4 oz./sq. ft. and .6 oz./sq. ft. Tubing shall have a corrosion resistant, zinc-rich paint interior coating. ASTM Specifications: A- 315, A-500, A-513, E-8. All support posts shall have a finished grade marker. Tubing shall have the following properties:

- Tensile strength shall be 55,000 psi.
- Yield strength shall be 50,000 psi.
- % Elongation in 2 inches: 25
- Modulus of Elasticity: 25 x 10<sup>6</sup> psi
- Coated with Super Durable Polyester Powder Coating.

**30. Activo Bambino – Arches and Posts:** Arches & Post shall be fabricated of 3-1/2 in. outside diameter, 13 gauge galvanized steel tubing. Tubing shall be cold rolled, electric resistance welded tubing. Tubing shall be triple coated for maximum exterior protection: a hot-dipped Flo-Coat uniform zinc galvanized coating, a chromate conversion coating and a clear polymer coating. Galvanized exterior coating weight shall be within the range of .4 oz./sq. ft. and .6 oz./sq. ft. Tubing shall have a corrosion resistant, zinc-rich paint interior coating. ASTM Specifications: A- 315, A-500, A-513, E-8. All support posts shall have a finished grade marker.

Tubing shall have the following properties:

- Tensile strength shall be 55,000 psi.
- Yield strength shall be 50,000 psi.
- % Elongation in 2 inches: 25
- Modulus of Elasticity: 25 x 10<sup>6</sup> psi
- Coated with Super Durable Polyester Powder Coating.

**31. Playmakers 5” Steel Tubing:** Tubing shall be cold rolled, electric resistance welded tubing. Tubing shall be triple coated for maximum exterior protection: a hot-dipped Flo-Coat uniform zinc galvanized coating, a chromate conversion coating and a clear polymer coating. Galvanized exterior coating weight shall be within the range of .4 oz./sq. ft. and .6 oz./sq. ft. Tubing shall have a corrosion resistant, zinc-rich paint interior coating. ASTM Specifications: A- 315, A-500, A-513, E-8. All support posts shall have a finished grade marker.

Tubing shall have the following properties:

- Tensile strength shall be 55,000 psi.
- Yield strength shall be 50,000 psi.
- % Elongation in 2 inches: 25
- Modulus of Elasticity: 25 x 10<sup>6</sup> psi
- Coated with Super Durable Polyester Powder Coating.

**Aluminum Tubing:** 5” Aluminum Playmaker posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Tubing shall have a .125 wall thickness and the following properties:

- Tensile strength shall be 38,000 psi.
- Yield strength shall be 35,000 psi.
- % Elongation in 2 inches: 10
- Modulus of Elasticity: 10 x 10<sup>6</sup> psi
- Coated with Super Durable Polyester Powder Coating.

**32. Challengers 3-1/2” Steel Tubing:** Post shall be fabricated of 3-1/2 in. outside diameter, 13 gauge galvanized steel tubing. Tubing shall be cold rolled, electric resistance welded tubing. Tubing shall be triple coated for maximum exterior protection: a hotdipped Flo-Coat uniform zinc galvanized coating, a chromate

# SHADE SHELTER SPECIFICATIONS

Americana Illini 10' x 58' DSA Approved Shade Shelter or approved equal

## I. Shelter Design

- A. The structural design of the components and connections of this shelter are sufficient for eave heights ranging from 7' up to 12' tall.
- B. Required eave height for each site shall be determined by owner.
- C. This shelter has been designed as an open structure. The addition of any enclosure directly attached to the shelter, such as walls, insect mesh, or shade screens, shall be prohibited as increased wind forces may result.

## II. Design and Construction Standards

- A. The design of this structure is in conformance with the following standards and all phases of construction shall be performed in accordance with the following standards:

1. 2013 California Administrative Code (CAC)(Part 1, Title 24, CCR)
2. 2013 California Building Code (CBC). Volumes 1 And 2 (Part2. Title 24, CCR)(2012 International Building Code With 2013 California Amendments)
3. 2013 California Electrical Code. (Part 3, Title 24, CCR)(2011 National Electrical Code With 2013 California Amendments)
4. 2013 California Mechanical Code (CMC)(Part 4, Title 24, CCR)(2012 Uniform Mechanical Code With 2013 California Amendments)
5. 2013 California Plumbing Code (CPC)(Part 5, Title 24, CCR)(2012 Uniform Plumbing Code With 2013 California Amendments)
6. 2013 California Energy Code (Part 6, Title 24, CCR)
7. 2013 California Fire Code {CFC}(Part 9, Title 24, CCR) (2012 International Fire Code With 2013 California Amendments)
8. 2013 California Green Building Standards Code {Part 11, Title 24, CCR)
9. 2013 California Referenced Standards Code(Part 12, Title 24, CCR)
10. NFPA 13- 2013
11. NFPA 72-2013

## III. Construction Changes

- A. Changes to the approved plans and specifications shall be made by addenda or construction change document approved by the division of the State architect as required by Part 1, Title 24. C.C.R

#### IV. Foundation

- A. The foundation shall rest on sound soil that is free of organic and deleterious materials and capable of supporting 1000 PPSF vertical bearing pressure.
- B. For lateral loading, the foundation has been designed to the minimum lateral bearing value in CBC Table 1806A.2. This is 100 PSF/Ft lateral bearing.
- C. Foundation design shown is based on soil conditions given in notes A and B, above. owner shall verify actual soil conditions at each job site and any required adjustments to the footing design shall be designed by others.

#### V. Concrete

- A. Compression strength of all reinforced concrete shall not be less than 4000 PSI at 28 days.
- B. Reinforcing bars shall be deformed bars conforming to the requirements of minimum ASTM A615 Grade 40 for #4 and smaller bars and Grade 60 for bars larger than #4.
- C. Minimum concrete clear cover for reinforcing bars shall be 3".
- D. A concrete mix design in accordance with CBC Section Chapter 19A shall be performed and stamped by a civil engineer licensed in the State of California. The concrete mix design shall be submitted to the inspector of record prior to construction.
- E. The mix design shall meet the criteria herein and shall be proper for local conditions including, but not limited to, freezing and thawing exposure, chemical and salt exposure, and soil corrosivity where such problems exist.
- F. Non-shrink grout or dry pack shall be a premixed, nonmetallic formula with a minimum compressive strength of 7000 PSI at 28 days and having the following characteristics: no shrinkage after placement or expansion after set (ASTM C1090), one day compressive strength of at least 3000 PSI (ASTM C109) and initial set time of not less than 45 Minutes (ASTM C191). Provide "Hi-flow Grout" or "Dry Pack Grout" by Euclid, or approved equal.

#### VI. Structural Steel

- A. Steel plate shall conform to the requirements of ASTM A36.
- B. Hollow structural sections (HSS) shall conform to the requirements of ASTM A500, Grade B.
- C. All structural steel shall be identified by mill certificate.
- D. High strength bolts (HSB) shall be galvanized and shall conform to the requirements of ASTM A325-N. High strength bolts shall be tightened to a snug tight condition plus an additional half turn.
- E. All high strength bolts shall have certification.
- F. Welding shall conform to the requirements of the American Welding Society's specification for the material being welded. All welding shall be performed by AWS certified welders.

- G. Weld electrodes shall be E70XX and shall conform to the requirements of AWS D.1 .8-6.3 for demand critical welds.
- H. All welding shall be approved by an AWS certified inspector.
- I. Steel framing shall be coated with anti-graffiti polyester TGIC powder coat finish meeting AAMA 2604-02 specifications.
- J. Shop drawings of all structural steel shall be submitted to Hyytinen Engineering for approval prior to fabrication.
- K. All bolt hole diameters shall be equal to the bolt diameter plus 1/16" U.N.O bolt holes for anchor bolts shall be equal to the bolt diameter plus 1/8".
- L. Anchor bolts shall conform to ASTM F1554, Grade 36 and shall be hot dip galvanized.

#### VII. Aluminum

- A. Interlocking seam aluminum roof deck shall be roll formed from aluminum alloy 3004-H151 and shall conform to the deck profile shown on the drawings.
- B. Aluminum roof deck shall be coated with heat reflective BASF Ultra Cool Coating or approved equal.
- C. Extruded aluminum ridge cap shall be fabricated from aluminum alloy 6105-T5 and shall conform to the requirements shown on the drawings.
- D. Extruded aluminum fascia shall be fabricated from aluminum alloy 6063-T5. Extruded aluminum gutter shall be fabricated from aluminum alloy 6105-T5. Aluminum components shall conform to the requirements shown on the drawings.
- E. Extruded aluminum ridge cap, gutter, and fascia shall be coated with an anti-graffiti polyester TGIC powder coat finish meeting AAMA 2604-02 specifications

#### VIII. Screws

- A. Screws shall be Hilti Kwik-Pro self drilling screws with bond seal washers per ICC ESR-2196 or approved equal.
- B. Screws attaching to steel shall be 12-24 hex washer head (HWH) #5 point screws. Screws attaching to aluminum shall be 8-18 hex washer head (HWH) #2 point screws.
- C. All screws shall be stainless steel or coated with zinc.
- D. The manufacturer shall provide a screw certification letter stating that screws provided match the size and type specified herein. The certification letter shall be submitted to the inspector of record prior to installation.

#### IX. Shop Fabrication and Field Assembly

- A. All structural steel and aluminum components shall be shop fabricated so that field assembly of connections can be performed using only bolting and screw placement.

## X. Special Inspection

- A. The owner shall employ a special inspector to perform inspection of the construction of this part in accordance with the requirements of Chapter 17A of the 2013 California Building Code (Part 2, Title 24, C.C.R) and the Division of State Architect.

## XI. Fire Life Safety

- A. An automatic fire protection system may be required for this building depending on site specific requirements, where required. The automatic fire protection system shall be designed by others.
- B. The design of this shelter is capable of supporting the weight of a fire sprinkler system (1.5 PSF).
- C. The metal roofing complies with fire classification B. This shelter has not been designed for placement within any fire hazard severity zone.

## XII. Warranty

- A. Limited lifetime warranty on aluminum against material failure and corrosion.
- B. 25 year limited warranty on steel against material failure and defects.
- C. 5 year limited warranty on powder coating finish.

conversion coating and a clear polymer coating. Galvanized exterior coating weight shall be within the range of .4 oz./sq. ft. and .6 oz./sq. ft. Tubing shall have a corrosion resistant, zincrich paint interior coating. ASTM Specifications: A-315, A-500, A-513, E-8. All support posts shall have a finished grade marker. Tubing shall have the following properties:

- Tensile strength shall be 55,000 psi.
- Yield strength shall be 50,000 psi.
- % Elongation in 2 inches: 25
- Modulus of Elasticity: 25 x 10<sup>6</sup> psi
- Coated with Super Durable Polyester Powder Coating.

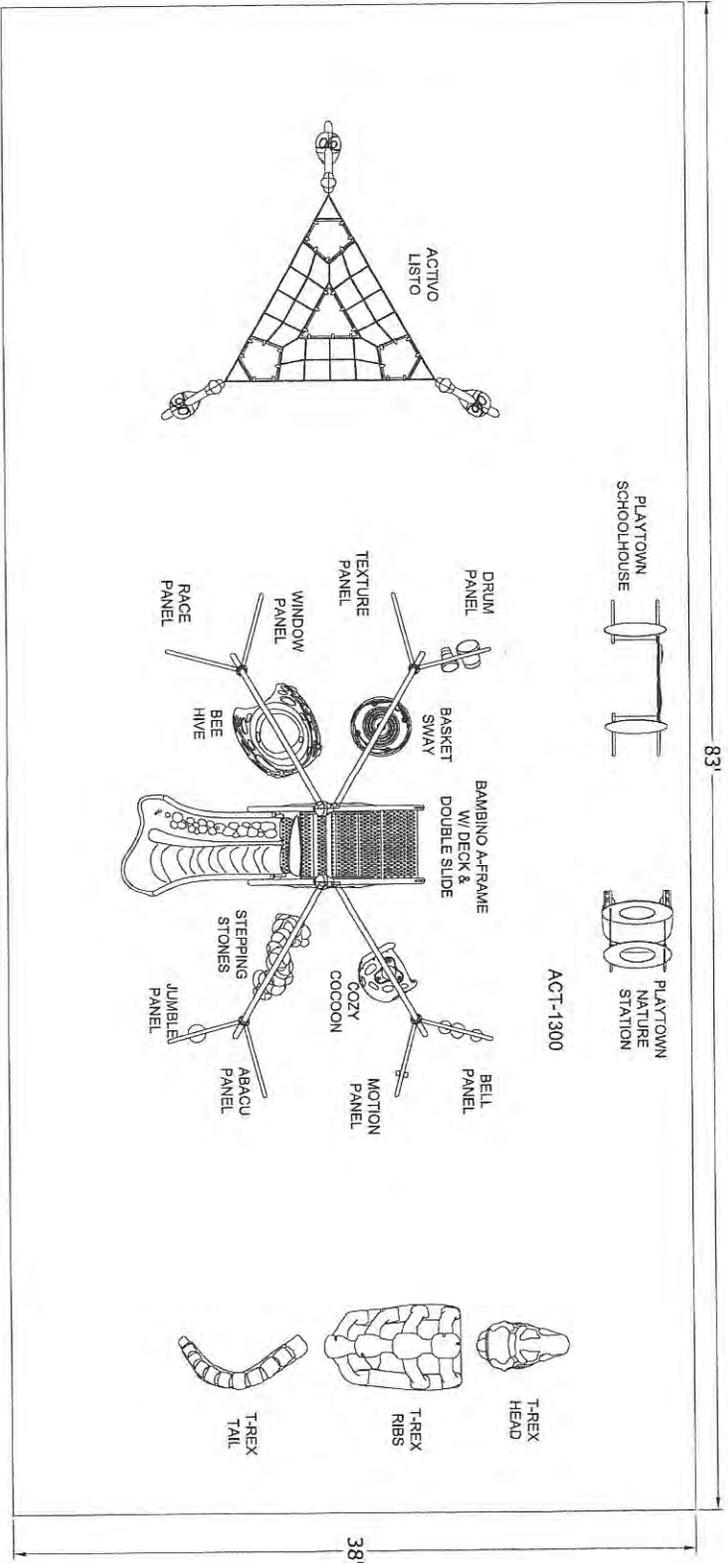
**Bidders must submit proof of matching these specifications with their sealed bid response.**

**COLTON JOINT UNIFIED SCHOOL DISTRICT  
1212 Valencia Drive  
Colton, CA 92324**

**SPECIFIC ITEMS REQUESTED BID #18-02**

<u>Item</u>	<u>Quantity</u>	<u>Brand/Model or equal</u>
1.	1 each	Playworld Systems Model #C17398CH
2.	1 each	Playworld Systems Model #C17399CH
3.	1 each	Playworld Systems Model #C17127SP
4.	1 each	Americana Building Products Illini 10' x 58' DSA Approved Shade Shelter

**DO NOT INCLUDE SALES TAX OR INSTALLATION ON THE PROPOSAL FORM**



**RECOMMENDED AGES: 3-12 YEARS**  
 PLAY STRUCTURE AND LAYOUT OF THE COMPONENTS  
 CONFORM TO ASTM AND CPSC GUIDELINES AND COR TITL E.2,  
 DIVISION 4 CHAPTER 22,  
 CRITICAL FALL HEIGHT OF OVERALL PLAY AREA: 88"

TOTAL ELEVATED PLAY COMPONENTS:	1	REQUIRED:	0
TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY RAMP:	0	REQUIRED:	0
TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER:	1	REQUIRED:	0
TOTAL ACCESSIBLE ELEVATED LEVEL COMPONENTS SHOWN:	16	REQUIRED:	0
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS OF DIFFERENT TYPES:	6	REQUIRED:	0



**2017 CHALLENGERS**

<b>SITE PLAN</b>
PROJECT NO: C17398CH
DATE: 25-OCT-17
SCALE: NTS
DRAWN BY: Marilyn Allen



**COLTON JOINT USD**  
 KINDERGARTEN/PRESCHOOL



Since 1979

# COLTON JOINT USD

Design Number: C17398CH - Compliance and Technical Data  
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (Kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZXX0068	1	LISTO	Certified	476.81			3,242	8	5.00	0.75	1
2	ZZXX0135	1	ORIGINS T-REX HEAD	Certified	2,500.00			2,922	5	1.00	0.00	1
3	ZZXX0136	1	ORIGINS T-REX RIBS	Certified	2,750.00			5,343	9	1.00	0.00	1
4	ZZXX0137	1	ORIGINS T-REX TAIL	Certified	1,325.00			2,087	5	1.00	0.00	1
5	ZZXX0473	1	PLAYTOWN SCHOOL HOUSE	Certified	398.00			2,195	9	6.50	0.27	12
6	ZZXX0476	1	PLAYTOWN NATURE STATION	Certified	224.74			865	4	4.00	0.18	5
7	ZZAC0035	4	OUTRIGGERS FOR PANELS	Certified	332.16			742	0	5.00	0.24	0
8	ZZAC0036	1	BAMBINO RAINBOW WINDOW PANEL	Certified	28.11			454	2	0.50	0.00	1
9	ZZAC0037	1	BAMBINO BELL PANEL	Certified	35.81			346	2	0.50	0.00	1
10	ZZAC0038	1	BAMBINO DRUM PANEL	Certified	36.35			386	2	0.50	0.00	1
11	ZZAC0039	1	BAMBINO TACTILE PANEL	Certified	26.93			326	2	0.50	0.00	1
12	ZZAC0040	1	BAMBINO CAR RACE PANEL	Certified	28.03			338	2	0.50	0.00	1
13	ZZAC0041	1	BAMBINO COUNTING PANEL	Certified	33.31			439	2	0.50	0.00	1
14	ZZAC0042	1	BAMBINO MOVE-IT PANEL	Certified	37.72			458	2	0.50	0.00	1
15	ZZAC0043	1	BAMBINO JUMBLE PANEL	Certified	41.53			684	2	0.50	0.00	1
16	ZZAC0030	1	BAMBINO A-FRAME	Certified	1,061.23			3,731	6	10.50	0.63	3
17	ZZAC0031	1	BAMBINO ARCH - BEE HIVE	Certified	194.17			1,015	2	3.50	0.25	1
18	ZZAC0032	1	BAMBINO ARCH - STEPPING STONES	Certified	138.67			772	3	3.50	0.25	1
19	ZZAC0033	1	BAMBINO ARCH - COCOON	Certified	217.67			1,309	3	3.00	0.26	1
20	ZZAC0034	1	BAMBINO ARCH - BASKET SWAY	Certified	154.19			878	2	2.00	0.26	1
<b>Totals:</b>					<b>10,040.43</b>	<b>584</b>	<b>839</b>	<b>28,532</b>	<b>72</b>	<b>50.00</b>	<b>3.09</b>	<b>36</b>
					<b>4,518.19 Kg</b>	<b>263 Kg</b>	<b>378 Kg</b>	<b>29 Metric Tons</b>			<b>2.35 m3</b>	



# COLTON JOINT USD

Design Number: C17398CH - Compliance and Technical Data  
 Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
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**ASTM F1487**

The lay-out for this custom playscape, design number C17398CH, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, [www.ipema.org](http://www.ipema.org). In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

**2010 ADA Standards for Accessible Design**

The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

**Installation Times**

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

**Carbon Footprint**

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification, PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

**Pre-Consumer Recycle Content**

A measurement, in pounds, that qualifies the amount of material that was captured and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

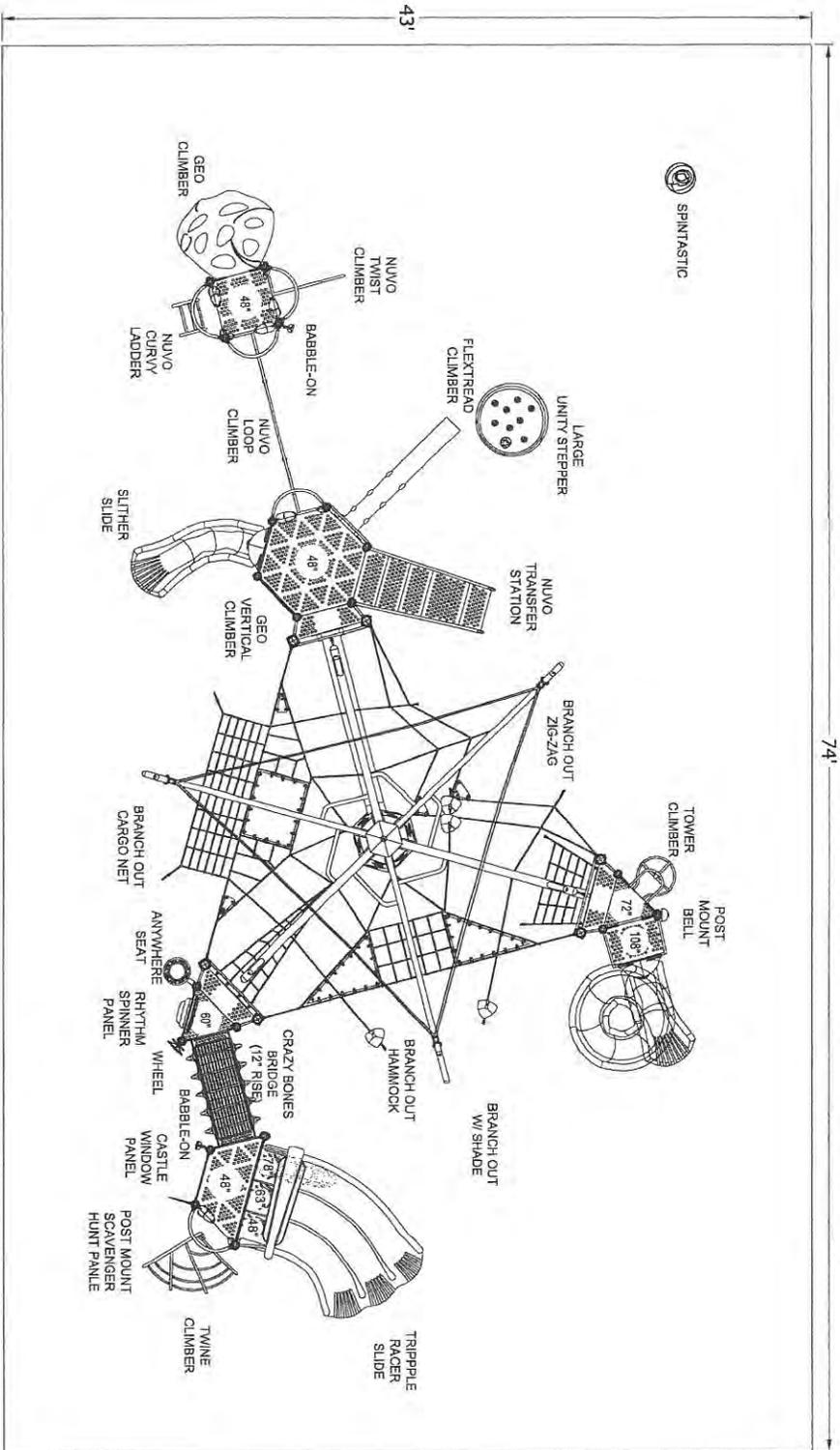
**Post-Consumer Recycle Content**

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. \*\*20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.

\*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.



74'



**RECOMMENDED AGES: 5-12 YEARS**  
 PLAY STRUCTURE AND LAYOUT OF THE COMPONENTS  
 CONFORM TO ASTM AND CRSG GUIDELINES AND COR TITL 22,  
 DIVISION 4 CHAPTER 22.  
 CRITICAL FALL HEIGHT OF OVERALL PLAY AREA: 108"

**TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY RAMP:** 18  
**TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER:** 0  
**TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY WALK:** 17  
**TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN:** 6  
**TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS OF DIFFERENT TYPES:** 4

**REQUIRED:** 0  
**REQUIRED:** 9  
**REQUIRED:** 6  
**REQUIRED:** 3



**2017  
 CHALLENGERS**

SITE PLAN	
PROJECTION:	C17399CH
DATE:	25-OCT-17
SCALE:	NTS
DRAWN BY:	Martyn Allen



**COLTON JOINT USD**  
 PRIMARY YARD



Since 1979

# COLTON JOINT USD

Design Number: C17399CH - Compliance and Technical Data  
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZXX0132	1	SPINASTIC	Certified	54.02		402	2	0.50	0.10	1
2	ZZCH0028	5	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	217.55		293	0	5.00	0.63	0
3	ZZCH0038	11	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	518.21		696	0	11.00	1.38	0
4	ZZCH0048	1	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	50.21		68	0	1.00	0.13	0
5	ZZCH0058	1	3.5in OD x 172in STEEL POST W/RIVETED CAP	Certified	52.01		73	0	1.00	0.13	0
6	ZZCH0076	2	3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	122.02		168	0	2.00	0.25	0
7	ZZPM00366GZ	2	5in OD X 144in STEEL POST (GROUND ZERO)	Certified	160.82		235	0	3.00	0.36	0
8	ZZPM0047GZ	2	5in x 156in GROUND ZERO POST - w/ CAP	Certified	180.86		253	0	2.00	0.36	0
9	ZZPM00566GZ	2	5in OD X 168in STEEL POST W/ CAP (GROUND ZERO)	Certified	194.02		271	0	2.00	0.36	0
10	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86		174	3	1.00	0.00	0
11	ZZCH0617	2	TRIANGULAR COATED DECK ASSEMBLY	Certified	59.80		240	4	2.00	0.00	0
12	ZZCH0619	1	FULL HEX COATED DECK ASSEMBLY	Certified	151.26		444	6	1.50	0.00	0
13	ZZCH0637	1	1/2 HEX COATED DECK W/O CENTER POST ASSEMBLY	Certified	76.86		235	3	1.00	0.00	0
14	ZZUN2290	3	COATED DECK TO DECK CONNECTION KIT	Certified	0.87		11	0	1.50	0.00	0
15	ZZUN5898	3	CH/PM CONVERSION PLATFORM	Certified	178.35		674	3	6.00	0.00	0
16	ZZCH0678	1	NUVO- 48in TRANSFER STATION	Certified	299.54		563	3	3.50	0.12	0
17	ZZCH1374	1	TRIPPLE RACER SLIDE	Certified	757.46		2,103	6	6.50	0.09	1
18	ZZCH3206	1	SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	85.37		424	2	2.00	0.03	1
19	ZZCH3216	1	SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	Certified	162.06		633	2	2.50	0.03	1
20	ZZUN3207	1	SLITHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59		128	0	0.25	0.00	0
21	ZZUN3209	2	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	39.18		267	0	0.50	0.00	0
22	ZZUN3217	3	SLITHER SLIDE 2.0 (RIGHT 120° SECTION)	Certified	125.04		695	0	0.75	0.00	0



# COLTON JOINT USD

Design Number: C17399CH - Compliance and Technical Data  
 Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
23	ZZUN3247	1	SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	Certified	19.41			70	0	0.25	0.03	0
24	ZZUN3256	1	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	12.81			59	0	0.25	0.03	0
25	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			44	1	0.25	0.00	1
26	ZZCH4578	1	ANYWHERE SEAT	Certified	31.10			90	1	0.25	0.00	1
27	ZZCH4648	1	POST MOUNT SCAVENGER HUNT	Certified	15.86			264	3	2.00	0.00	1
28	ZZCH6776	1	RHYTHM SPINNER (DECK MOUNT)	Certified	51.60			1,518	2	1.50	0.00	1
29	ZZCH8498	1	CASTLE WINDOW BARRIER (DECK) W/OUT PANEL TOP	Certified	31.83			267	4	0.50	0.00	1
30	ZZCH6210	1	36 in DECK TO DECK CLIMBER	Certified	75.84			153	1	1.00	0.00	1
31	ZZCH6756	1	4ft GEO CLIMBER	Certified	114.52			528	2	2.00	0.09	1
32	ZZCH6957	1	NUVO LOOP CLIMBER	Certified	157.88			1,047	2	2.00	0.00	1
33	ZZCH6996	1	GEO VERTICAL CLIMBER (48in DK)	Certified	57.76			217	1	1.00	0.00	1
34	ZZCH7038	1	60in TWINE CLIMBER	Certified	90.17			401	1	4.00	0.12	1
35	ZZCH7047	1	48in TWIST CLIMBER	Certified	96.81			598	1	1.50	0.03	1
36	ZZCH7057	1	48in CURVY CLIMBER	Certified	73.10			464	1	2.00	0.06	1
37	ZZCH7168	1	6ft TOWER CLIMBER	Certified	100.77			242	2	2.00	0.06	1
38	ZZCH8266	1	48in SINGLE FLEX TREAD	Certified	118.67			615	2	3.00	0.06	1
39	ZZCH8346	1	SPINE CLIMBER TO TRIPPLE RACER SLIDE	Certified	50.76			200	2	1.00	0.03	1
40	ZZUN5890	1	BRANCH OUT TRUNK W/ FABRIC SHADE	Certified	2,454.21			9,446	14	32.00	5.35	6
41	ZZUN7896	1	BRANCH OUT HAMMOCK	Certified	122.56			2,637	8	3.00	0.28	1
42	ZZUN7897	1	BRANCH OUT CARGO NET	Certified	143.08			2,502	6	3.50	0.42	1
43	ZZUN7898	1	BRANCH OUT ZIG-ZAG	Certified	112.97			1,415	6	4.00	0.56	1
44	ZZUN7138	1	UNITY STEPPER - LARGE	Certified	128.05			342	4	2.00	0.00	1
45	ZZCH6478	1	CRAZY BONES 6ft x 1ft RISE BRIDGE	Certified	292.40			1,964	2	4.00	0.00	1
46	ZZCH4467	1	GROUND TO GROUND BABBLE-ON	Certified	43.15			240	2	1.50	0.00	1
47	ZZCH4557	1	8in BELL (POST MOUNT)	Certified	5.15			44	1	0.25	0.00	1
<b>Totals:</b>					<b>7,968.25</b>	<b>1,163</b>	<b>2,291</b>	<b>34,413</b>	<b>103</b>	<b>131.25</b>	<b>11.07</b>	<b>32</b>



# COLTON JOINT USD

Design Number: C17399CH - Compliance and Technical Data  
 Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre- Consumer Recycled Content (lbs)	Post- Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
					3,585.71 Kg	523 Kg	1,031 Kg	34	Metric Tons		8.41 m3	



# COLTON JOINT USD

Design Number: C17399CH - Compliance and Technical Data  
 Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre- Consumer Recycled Content (lbs)	Post- Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
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## ASTM F1487

The lay-out for this custom playscape, design number C17399CH, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, [www.ipema.org](http://www.ipema.org). In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

## 2010 ADA Standards for Accessible Design

The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

## Installation Times

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

## Carbon Footprint

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification: PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

## Pre-Consumer Recycle Content

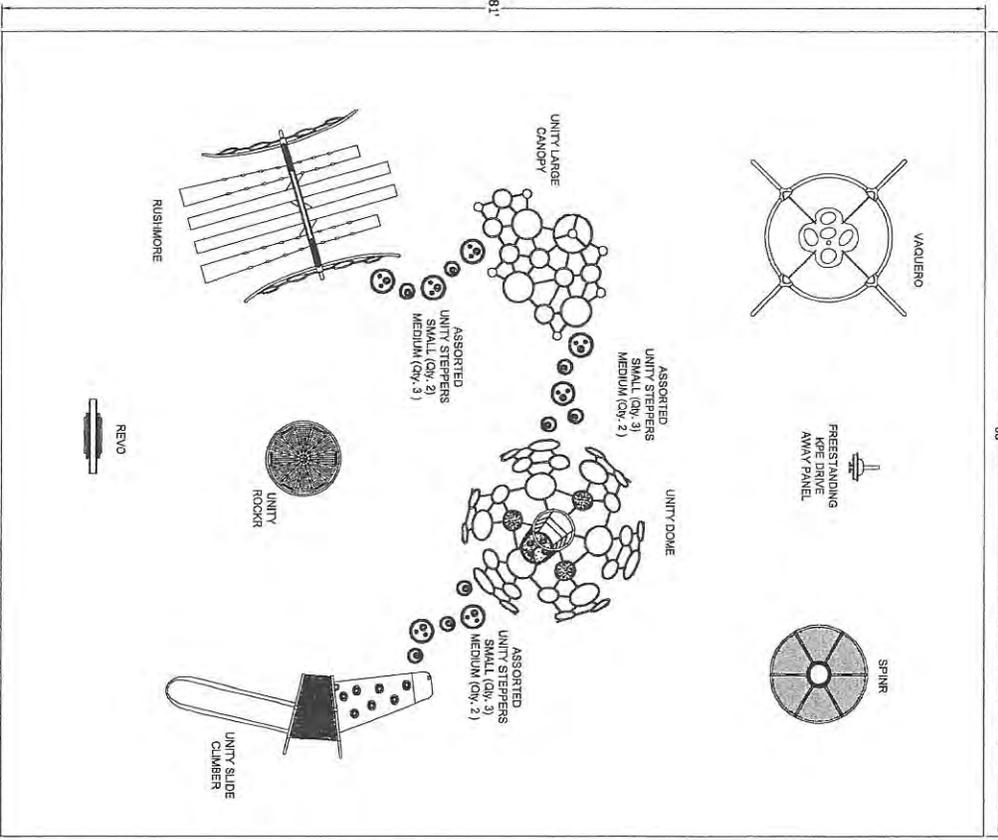
A measurement, in pounds, that qualifies the amount of material that was captured and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

## Post-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. \*\*20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.

\*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.





**RECOMMENDED AGES: 1-12 YEARS**  
 PLEASE REFER TO THE COMPONENTS CONCEPT DRAWINGS AND THE COMPONENTS TITLE & 22 DIVISION 4 CHAPTER 22 CRITICAL FALL HEIGHT OF OVERALL PLAY AREA: 10'-0"

**TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY RAMP:** 0  
**TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER:** 0  
**TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN:** 24  
**TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS OF DIFFERENT TYPES:** 9

**REQUIRED:** 0  
**REQUIRED:** 0  
**REQUIRED:** 0  
**REQUIRED:** 0



**COLTON JOINT USD**  
 INTERMEDIATE YARD

Since 1979  
**dave bang**  
 associates, inc.

**2017**  
**SITE PLAN**

**SITE PLAN**

PROJECT NO: C17127SP

DATE: 25-OCT-17

SCALE: NTS

DRAWN BY: Martlyn Allen

# COLTON JOINT USD

Design Number: C17127SP - Compliance and Technical Data  
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds <sup>3</sup> )	Active Play Events
1	ZZXX0129	1	FREE-STANDING DRIVE AWAY PANEL	Certified	83.65			1,246	2	1.00	0.13	1
2	ZZXX0149	1	VAQUERO	Certified	533.00			1,809	6	8.00	0.65	1
3	ZZXX0183	1	UNITY RUSHMORE	Certified	1,170.18			7,319	18	28.00	1.32	1
4	ZZXX0187	1	UNITY LARGE OVERHEAD CANOPY	Certified	608.08			1,212	13	9.50	0.84	1
5	ZZXX0193	1	UNITY ROCKR	N/A	498.42			1,380	6	4.00	0.18	1
6	ZZXX0346	1	UNITY SLIDE CLIMBER	Certified	892.51			3,422	10	12.00	0.00	1
7	ZZXX0347	1	UNITY SPINR- W/O ACCESSIBLE SEATS (IN-GROUND)	N/A	861.55			3,212	10	4.50	0.29	1
8	ZZXX0366	1	UNITY DOME	Certified	600.17			2,878	17	20.00	1.80	1
9	ZZUN7136	8	UNITY STEPPER - SMALL	Certified	239.76			551	8	8.00	1.04	8
10	ZZUN7137	7	UNITY STEPPER - MEDIUM	Certified	382.97			1,015	7	7.00	0.91	7
11	ZZXX0081	1	REVO	Certified	294.68			2,444	2	2.00	0.26	1
<b>Totals:</b>					<b>6,164.97</b>	<b>821</b>	<b>1,647</b>	<b>26,487</b>	<b>99</b>	<b>104.00</b>	<b>7.42</b>	<b>24</b>
					<b>2,774.24 Kg</b>	<b>369 Kg</b>	<b>741 Kg</b>	<b>26 Metric Tons</b>			<b>5.64 m3</b>	



# COLTON JOINT USD

Design Number: C17127SP - Compliance and Technical Data  
 Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre- Consumer Recycled Content (lbs)	Post- Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
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**ASTM F1487**  
 The lay-out for this custom playscape, design number C17127SP, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, www.ipema.org. In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

**2010 ADA Standards for Accessible Design**  
 The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

**Installation Times**  
 Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

**Carbon Footprint**  
 The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification: PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

**Pre-Consumer Recycle Content**  
 A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

**Post-Consumer Recycle Content**  
 A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. \*\*20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.  
 \*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.





