# 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

# **BID NUMBER 18-02**

PLAYGROUND EQUIPMENT & DSA SHADE SHELTERS

# **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 Contact 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 (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**

# PROPOSAL FORM FOR BID #18-02 PRICING INFORMATION

<u>Item</u>	Quantity	Brand/Model Supplied	Unit Cost	Shipping	<u>Total</u>
1.	1 each	PLAYWORLD &C 17398CH (AS SPECIFIED)	\$54,70.00	\$5,900.00	\$60,070.00
2.	1 each	PLAYWORLD *C17399 CH (AS SPECIFIED)	\$86,005.00	\$ <u>5,150.</u> 00	\$91,155.00
3.	1 each	PLAYWORLD & CITIZTSP (AS SPECIFIED)	\$ 7 <u>0,257.00</u>	\$ 4,750.00	\$7 <u>5,007.</u> 00
4.	1 each	AMERICANA BLOG PRUDA ILLINI 10'X58' 9' ENTRY  (AS SPECIFIED)  DSA PC# 02-113340		\$ <u>1,950.0</u> 0	£27,847.00

TOTAL BASE BID AMOUNT (Items 1-4)

\$ 254,079.00

DO NOT INCLUDE SALES TAX OR INSTALLATION ON THE PROPOSAL FORM

# 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.

Manufacturer Submitted	% Discount	Shipping	Minim	um Freight
PLAYWORLD	17%	> 1,000 LBS \$ 2.15	1/13	\$1,000-
		> 2,000 LBS \$ 1.8	y/us	
WABASH	15%	2 1,000 LBS \$2.4	3/43 5/43	\$1,000-
		> 2,000 LBS \$ 2.13	2/13	
PW ATHLETIC	15%	∠ 1,000 LBS \$1.75 > 1,000 LBS \$1.4	5/LB 4/LB	\$1,000 -
		> 2,000 LBS \$1.2	5/43	
AMERICANABULLOING P	10D 5%	\$0.70/LB		<b>\$600-</b>
custom canopies, inc.	5%	\$0.25/LB		\$400-
URBANSCAPE	10%	1,000 LBS \$2.94 >1,000 LBS \$2.45	1B	41,000-
ZEAGER BRUTHERS	5%	\$800 PER 100 C		61,000-
PNO-TECT TURF	5%	INCLUDED		MA
TOT TURF	5%	(Nolune)		NA
ROBBETSON RECREPTION	AL SURFACE	ES \$0.65/LB		\$1,000
GREEN VALLEY	10%	1,000 LBS \$2.91	5/43	\$1,000-
PLAYSIMPLE	5%	1,000 LBS \$2.56	143	\$1000-
LIFE TRAIL	5%	21,000 LBS \$2.51	5/43	41,000-
NEOS	5%	7 1,000 LBS \$2.50	olug	\$ 1,000 -

## 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.

Manufacturer Submitted	% Discount		imum Freight
PATTERSON-WILLIAMS	10%	21,000 LBS \$1.75/LB >1,000 LBS \$1.43/LB 72,000 LBS \$1.25/LB	#1,000-
L.A. STEELCLAFT	10%	\$0.70/LB	\$1,000-
KAY PARK	10%	40.70/LB	\$ 600-
MOST DEPENDABLE FOUNT	ANS 5%	\$0.65/13	4600-
HAUS	5%	\$0.65/LB	\$ 600-
STORN WILLIAMS	5%	40.65/LB	# 600-
MURDOCK	5%	\$0.65/LB	\$ 600-
DB RECEIPATION SON	VICES 5%	\$2.56/LB	\$1,000-
JENSEN SWING PROD	uczs 5%	\$0.40/LB	\$400-
CHILD FORMS	5%	40.65/43	\$ 600-
PLAYWORLD FAMILY OF	Products	\$2.56/LB	\$1,000-
RECYCLED WOOD PRODU	-1/	\$300 PER 100 CY	41,000-
ALTESIA SAWDUST PA		4800 PER 100cf	41,000-
SOF FALL	5%	\$ 800 PER 100 cy	\$ 1,000-
SOF SOLUTIONS	5%	#0.65/LB	\$ 600-
NO-FAULT	5%	\$10.65/43	4 600-

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

**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.

Manufacturer Submitted	% Discount	Shipping Mini	mum Freight
TURBOSCAPE	5%	\$ 25 / cubic your	\$1,000-
FLEXGROUND	5%	INCLUDED	NA
INTERNATIONAL MY	5% LCH CO:	\$0.50/LB	41,000-
PERCUSSION PLAY	5%	40.70/LB	\$1,000-
SOF SULFACES	5%	\$ 0.65/LB	\$ 600-
PETERSEN MF6	5%	\$0.70/43	\$ 600-
SPORTSPLAY	5%	\$0-70/LB	\$ 600-
DOG ON IT PARKS	5%	\$0.70/LB	# 1000-
mss	5%	40.70/13	4 600-
FIBERBUILT	5%	40.70/LB	\$ 600-
NORTH COUNTY SUPP	y 5%	\$800 PER 100 CY	\$ 1,000-
TRIACTIVE AMERI		40.70/LB	\$ 1,000-
PAIN DECK	5%	\$ 0.70/43	\$ 1,000-

# **PIGGYBACK CLAUSE**

#### PROPOSAL FORM FOR BID #18-02 PIGGYBACK CLAUSE AND SIGNATURE PAGE

<u>Piggyback Clause:</u> 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 Contact 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 (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. DAVE BANG ASSOCIATES, INC. OF CA PO BOX 1038 Address Name of Company 1300-729-2483 TUSTIN, CA 92781 200-669-2525 City, State, Zip Code FAX Telephone 1000002974 795052 CSLB License Number **DIR Registration Number** NA 30-60 DAYS Delivery (in days) Cash Discount (if any) EIZICHMBBL VICE PRESIDENT Title Signature

# 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 Ceniceros 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.

y: \_\_\_\_\_

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 1			
	Associates, Inc., for playground equipment and DSA shade shelters.			

#### SAN BERNARDINO COUNTY SUN

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

#### **PROOF OF PUBLICATION**

(2015.5 C.C.P.)

State of California )
County of SAN BERNARDINO ) ss

Notice Type: BIDSB - 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.

SB #: 3066773

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 bidde to responsibly perform; to waive 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#

Signature

# **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. <u>Preparation of Bid:</u> 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. <u>Responsibility:</u> 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. <u>Corrections:</u> 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. <u>Acceptance:</u> 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. <u>Brand Name and Number:</u> 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. <u>Product Substitutions:</u> 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:

<u>Playground Equipment</u> - 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.

<u>Shade Shelters</u> - 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. <u>Design and Fabrication:</u> 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. <u>Samples:</u> 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. <u>Hold Harmless Clause:</u> 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. <u>Delivery:</u> 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. <u>Taxes:</u> INCLUDE California State Sales Tax. DO NOT include Federal Excise Tax as school districts are exempt therefrom.
- 12. <u>Discount:</u> 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. <u>Non-Bidders:</u> If a bid is not made, please notify the District if you wish to remain on the mailing list.
- 14. <u>Interpretations of Bid Documents:</u> 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. <u>Safety Regulations:</u> 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. <u>Affirmative Action:</u> 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. <u>Default by Supplier:</u> 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. <u>Pricing Term of Contract:</u> 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. <u>No Minimum or Maximum Quantities, Order Charges, or Limitations Upon Number of Orders:</u> 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. <u>Piggyback Clause:</u> 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 Contact 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. <u>Insurance Requirements:</u> 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. <u>Contractor License Requirements:</u> 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.
- 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.

 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 orefflorescence.
- 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 min3
  - 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 warrantied 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· K (BTU·IN/H·FT2·°F)) = 0.14(0.94)
- Thermal Resistivity: (R) Value = (K· M/W (H·FT2·°F/BTU·IN)) = 7.9(1.1)
- Specific Gravity: 0.60
- Density: 42 LBS. / FT3

#### **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 106 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 106 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 106 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 106 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

#### 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 E7OXX 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 antigraffiti 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 106 psi
- · Coated with Super Durable Polyester Powder Coating.

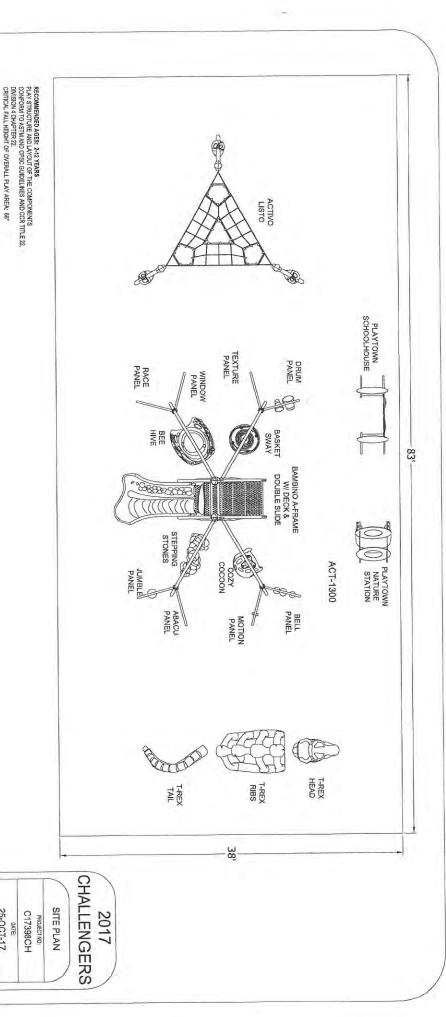
<u>Bidders must submit proof of matching these specifications with their sealed bid response.</u>

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

### SPECIFIC ITEMS REQUESTED BID #18-02

<u>Item</u>	Quantity	Brand/Model or equal
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





TOTAL ELEVATED PLAY COMPONENTS.

TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY PRAMP.

TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER.

TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SOF DIFFERENT TYPES.

TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS OF DIFFERENT TYPES.

6 16

REQUIRED: REQUIRED: REQUIRED: REQUIRED:

# **COLTON JOINT USD**

KINDERGARTEN/PRESCHOOL

dave bang associates, inc.

Marilyn Allen

25-OCT-17

SCALE

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

		20 ZZAC0034	19 ZZAC0033	18 ZZAC0032	17 ZZAC0031	16 ZZAC0030	15 ZZAC0043	14 ZZAC0042	13 ZZAC0041	12 ZZAC0040	11 ZZAC0039	10 ZZAC0038	9 ZZAC0037	8 ZZAC0036	7 ZZAC0035	6 ZZXX0476	5 ZZXX0473	4 ZZXX0137	3 ZZXX0136	2 ZZXX0135	1 ZZXX0068	Ref. No. Part No.
		1 BAMBINO ARCH - BASKET SWAY	1 BAMBINO ARCH - COCOON	1 BAMBINO ARCH - STEPPING STONES	1 BAMBINO ARCH - BEE HIVE	1 BAMBINO A-FRAME	1 BAMBINO JUMBLE PANEL	1 BAMBINO MOVE-IT PANEL	1 BAMBINO COUNTING PANEL	1 BAMBINO CAR RACE PANEL	1 BAMBINO TACTILE PANEL	1 BAMBINO DRUM PANEL	1 BAMBINO BELL PANEL	1 BAMBINO RAINBOW WINDOW PANEL	4 OUTRIGGERS FOR PANELS	1 PLAYTOWN NATURE STATION	1 PLAYTOWN SCHOOL HOUSE	1 ORIGINS T-REX TAIL	1 ORIGINS T-REX RIBS	1 ORIGINS T-REX HEAD	1 LISTO	Qty. Description
	Totals:	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Unit ASTM Status
4,518.19 k	10,040.43	154.19	217.67	138.67	194.17	1,061.23	41.53	37.72	33.31	28.03	26.93	36.35	35.81	28.11	332.16		398.00	1,325.00	2,750.00	2,500.00	476.81	Total Weight (lbs)
Kg 263 Kg	584																					Pre- Post- Consumer Recycled Content (lbs)
378	839																					Post- er intent
Kg 29	28,532	878	1,309	772	1,015	3,731	684	458	439	338	326	386	346	454	742	865	2,195	2,087	5,343	2,922	3,242	CO2e Footprint (kgs)
29 Metric Tons	72	2	ω	w	2	6	2	2	2	2	2	2	2	2	0	4	9	U	9	· O	00	Users
ons .	50.00	2.00	3.00	3.50	3.50	10.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0,50	5,00	4.00	6,50	1.00	1,00	1.00	5.00	Install Hours
2.35 m3	3.09	0.26															2		0.00	0.00	0.75	Concrete (Yds3)
m3	36	٠,			, щ	· L	, <sub>1</sub> ,					نو ،				, <sub>U</sub>	12	, <sub>–</sub>			يس ،	Active Play Events



Design Number: C17398CH - Compliance and Technical Data

Reference Document: ASTM F1487

Unit Total Consumer ASTM Weight Recycled Content	(kgs)	(lbs)	(lbs)	Status	Qty. Description	No. Part No.
Total Consumer		Recycled Cont	Weight	ASTM		
		Consumer	Total	Unit		

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 The lay-out for this custom playscape, design number C17398CH, has been configured to meet the requirements of the ASTM F1487 standard. In addition,

# 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

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

## **Pre-Consumer Recycle Content**

captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels 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

# Post-Consumer Recycle Content

sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product 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 \*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel 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

3 CLIMBER SPINTASTIC NUVO TWIST CLIMBER FLEXTREAD CLIMBER CURVY BABBLE-ON LARGE UNITY STEPPER LOOP SLITHER NUVO TRANSFER STATION GEO VERTICAL CLIMBER BRANCH OUT ZIG-ZAG 74 TOWER BRANCH OUT CARGO NET 72 (108) POST BELL BELL ANYWHERE RHYTHM SPINNER PANEL CRAZY BONES BRIDGE (12" RISE) BRANCH OUT HAMMOCK WHEEL BRANCH OUT W/ SHADE CASTLE WINDOW PANEL POST MOUNT SCAVENGER HUNT PANLE CLIMBER TRIPPPLE RACER SLIDE CHALLENGERS



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

TOTAL ELEVATED PLAY COMPONENTS.
TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER:
TOTAL ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER:
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWE:
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS OF DIFFERENT TYPES:

46708

REQUIRED: REQUIRED: REQUIRED:

th t

91

Marilyn Allen

25-OCT-17

STS

C17399CH

PROJECTNO:

SITE PLAN

2017

# COLTON JOINT USD

PRIMARY YARD

dave associates, inc. bang Since 1979

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

	Qty.		Unit ASTM Status	Total Weight (lbs)	Pre- Post- Consumer Recycled Content (lbs)	F00 C	CO2e Footprint (kgs)	User	Users Ho	Install Conc
1 ZZXX0132	ш	SPINTASTIC	Certified	54.02			402	402 2		2
2 ZZCH0028	υī	3.5in OD $ imes$ 136in STEEL POST W/ RIVETED CAP	Certified	217.55			293	293 0		0
3 ZZCH0038	11	$1.3.5$ od $\times$ $148$ in Steel Post W/ RIVETED CAP	Certified	518.21			696	696 0		0
4 ZZCH0048	ш	3.5in OD $ imes$ $160$ in STEEL POST W/ RIVETED CAP	Certified	50.21			68	68 0	68 0 1.00	0
5 ZZCH0058		U 3.5in OD x 172in STEEL POST W/RIVETED CAP	Certified	52.01			73	73 0	73 0 1.00	73 0 1.00 0.13
6 ZZCH0076	2	2 3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	122.02			168	168 0	168 0 2.00	0
7 ZZPM0036GZ	2	2 5in OD X 144in STEEL POST (GROUND ZERO)	Certified	160.82			235	235 0	235 0 3.00	0
8 ZZPM0047GZ	2 2	2 Sin x 156in GROUND ZERO POST - w/ CAP	Certified	180.86			253	253 0	253 0 2.00	0
9 ZZPM0056GZ	N	2 5in OD X 168in STEEL POST W/ CAP (GROUND ZERO)	Certified	194.02			271	271 0	271 0 2.00	0 2,00
10 ZZCH0616	ц	SQUARE COATED DECK ASSEMBLY	Certified	54.86			174	174 3	174 3 1.00	3
11 ZZCH0617	N	2 TRIANGULAR COATED DECK ASSEMBLY	Certified	59.80			240	240 4	240 4 2.00	4
12 zzCH0619	-	FULL HEX COATED DECK ASSEMBLY	Certified	151.26			444	444 6	444 6 1.50	o
13 ZZCH0637	نن	1 1/2 HEX COATED DECK W/O CENTER POST ASSEMBLY	Certified	76.86			235	235 3		ω
14 ZZUN2290	(a)	3 COATED DECK TO DECK CONNECTION KIT	Certified	0.87			11	11 0	0	0 1.50
15 ZZUN5898	ta	3 CH/PM CONVERSION PLATFORM	Certified	178.35			674	674 3	ω	3 6,00
16 ZZCH0678		1 NUVO- 48in TRANSFER STATION	Certified	299.54			563 7 103	2 103 6 5 63 3		<b>π</b> ω
2.3 1	<u>.</u>	1 SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	85.37			424		2	2 2.00
19 ZZCH3216		1 SLITHER SLIDE 2.0 BALCONY ENTRY/EXIT	Certified	162.06			633	633 2	2	2 2.50
20 ZZUN3207	v in	SUTTHER SLIDE 2.0 (STRAIGHT SECTION)	Certified	19.59			128	128 0	128 0 0.25	0 0.25
		3 SLITHER SLIDE 2.0 (RIGHT 120° SECTION)	Certified	125.04			695	695 0	0	0 0 75

PLAYWORLD

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

3	11.07	131.25	103	34,413	2,291	1,163	7,968.25	Totals:		
	0.00	0.25	1	44			5.15	Certified	1 8in BELL (POST MOUNT)	47 ZZCH4557
7	0.00	1.50	2	240			43.15	Certified	1 GROUND TO GROUND BABBLE-ON	46 ZZCH4467
	0.00	4.00	2	1,964			292.40	Certified	1 CRAZY BONES 6ft x 1ft RISE BRIDGE	45 ZZCH6478
	0.00	2.00	4	342			128.05	Certified	1 UNITY STEPPER - LARGE	44 ZZUN7138
1	0.56	4.00	6	1,415			112.97	Certified	1 BRANCH OUT ZIG-ZAG	43 ZZUN7898
17	0.42	3.50	6	2,502			143.08	Certified	1 BRANCH OUT CARGO NET	42 ZZUN7897
-	0.28	3.00	8	2,637			122.56	Certified	1 BRANCH OUT HAMMOCK	41 ZZUN7896
-5'	5.35	32.00	14	9,446			2,454.21	Certified	1 BRANCH OUT TRUNK W/ FABRIC SHADE	40 ZZUN5890
	0.03	1.00	2	200			50.76	Certified	1 SPINE CLIMBER TO TRIPPPLE RACER SLIDE	39 ZZCH8346
P	0.06	3.00	2	615			118.67	Certified	1 48in SINGLE FLEX TREAD	38 ZZCH8266
- 21	0.06	2.00	2	242			100.77	Certified	1 6ft TOWER CLIMBER	37 ZZCH7168
71	0.06	2,00	н	464			73.10	Certified	1 48in CURVY CLIMBER	36 ZZCH7057
	0.03	1.50	<u>,,,</u>	598			96.81	Certified	1 48in TWIST CLIMBER	35 ZZCH7047
- 45	0.12	4.00	H	401			90.17	Certified	1 60in TWINE CLIMBER	34 ZZCH7038
	0.00	1.00	ш	217			57.76	Certified	1 GEO VERTICAL CLIMBER (48in DK)	33 ZZCH6996
	0.00	2.00	2	1,047			157.88	Certified	1 NUVO LOOP CLIMBER	32 ZZCH6957
	0.09	2.00	2	528			114.52	Certified	1 4ft GEO CLIMBER	31 ZZCH6756
	0.00	1.00	_	153			75.84	Certified	1 36 in DECK TO DECK CLIMBER	30 ZZCH6210
	0.00	0.50	4	267			31.83	Certified	1 CASTLE WINDOW BARRIER (DECK) W/OUT PANEL TOP	29 ZZCH8498
	0.00	1.50	2	1,518			51.60	Certified	1 RHYTHM SPINNER (DECK MOUNT)	28 ZZCH6776
	0.00	2.00	ω	264			15.86	Certified	1 POST MOUNT SCAVENGER HUNT	27 ZZCH4648
	0.00	0.25	<u>,,</u>	90			31.10	Certified	1 ANYWHERE SEAT	26 ZZCH4578
	0.00	0.25	<u></u>	44			7.83	Certified	1 POST MOUNTED STEERING WHEEL	25 ZZCH4290
-23	0.03	0.25	0	59			12.81	Certified	1 SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	24 ZZUN3256
	0.03	0.25	0	70			19.41	Certified	1 SLITHER SLIDE 2.0 SUPPORT LEG 5ft-6in	23 ZZUN3247
Active Play Events	Concrete (Yds3)	Install Hours	Users	CO2e Footprint (kgs)	Post- umer   Content   S)	Pre- Post- Consumer Recycled Content (lbs)	Total Weight (lbs)	Unit ASTM Status	Qty. Description	Ref. No. Part No.



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

Ref. No. Part No. Qty. Description Unit ASTM Status Total Weight (lbs) Pre- Post-Consumer Recycled Content (lbs)

3,585.71 Kg 523 Kg 1,031 Kg 34 Metric Tons

CO2e Footprint (kgs)

Install Concrete Play
Users Hours (Yds3) Events

8.41 m3

Design Number: C17399CH - Compliance and Technical Data

Reference Document: ASTM F1487

(kgs)	(lbs)	(lbs)	Status	Qty. Description	rt No.	No. Part No.
lecycled Content	Recy	Weight	ASTM			ef.
nsumer	S	Total	Unit			
Po	Pre-					

### ASTM F1487

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 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 playground safety, IPEMA provides a Third Party Certification Service which validates compliance. The lay-out for this custom playscape, design number C17399CH, has been configured to meet the requirements of the ASTM F1487 standard. In addition,

# 2010 ADA Standards for Accessible Design

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. 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

### Installation Times

total of 30 hours on the project.] 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 Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each

### Carbon Footprint

emissions in services and goods throughout their entire life cycle. sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas 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 harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from

## Pre-Consumer Recycle Content

captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels 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

# Post-Consumer Recycle Content

sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product 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 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 The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel

TOTAL ENVIRON AY COMPANING ACCESSINE BY FAMP TOTAL ENVIRON AY COMPANING ACCESSINE BY FAMP TOTAL ACCESSINE GONDAND ENE COMPONENTS SHOWN TOTAL ACCESSINE GONDAND ENE COMPONENTS OF DIFFERENT TYPES RECOMMENDED ADES: \$-12 YEARS
PLAY STRUCTURE AND LAYOUT OF THE COMPONENTS
CONFORM TO ASTIM AND CPSC GUIDELINES AND COR
TILL EX. DIVISION 4 CHAPTER ZZ.
CRITICAL FALL HEIGHT OF OVERALL PLAY AREA. 103\* REQUIRED: REQUIRED: REQUIRED: 0000



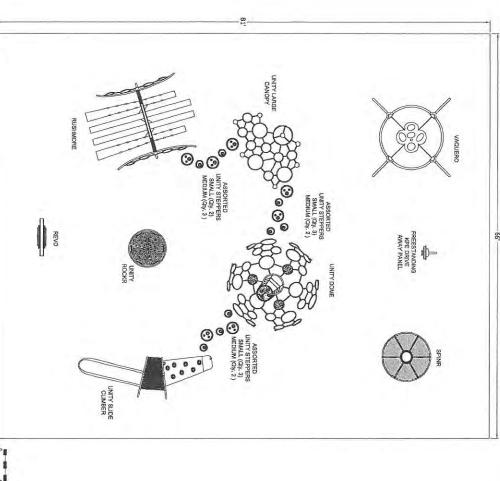
INTERMEDIATE YARD

COLTON JOINT USD

& PLAYWORLD



dave bang associates, inc.





DRAWN BY: Marilyn Allen

25-OCT-17

SCALE

PROJECT NO: C17127SP SITE PLAN SITE PLAN

2017

Reference Document: ASTM F148	Design Number: C1/12/SP - Com
7	- compliance and Technical L
	Technical

		11 ZZXX0081	10 ZZUN7137	9 ZZUN7136	8 ZZXX0366	7 ZZXX0347	6 ZZXX0346	5 ZZXX0193	4 ZZXX0187	3 ZZXX0183	2 ZZXX0149	1 ZZXX0129	Ref. No. Part No.
		1 REVO	7 UNITY STEPPER - MEDIUM	8 UNITY STEPPER - SMALL	1 UNITY DOME	<ol> <li>UNITY SPINR- W/O ACCESSIBLE SEATS (IN-GROUND)</li> </ol>	1 UNITY SLIDE CLIMBER	1 UNITY ROCKR	1 UNITY LARGE OVERHEAD CANOPY	1 UNITY RUSHMORE	1 VAQUERO	1 FREE-STANDING DRIVE AWAY PANEL	Qty. Description
	Totals:	Certified	Certified	Certified	Certified	N/A	Certified	N/A	Certified	Certified	Certified	Certified	Unit ASTM Status
2,774.24 Kg	6,164.97	294.68	382.97	239.76	600.17	861.55	892.51	498.42	608.08	1,170.18	533.00	83.65	Total Weight (lbs)
g 369 Kg	821												Pre- Post- Consumer Recycled Content (lbs)
741 Kg	1,647												Post- mer Content
	26,487	2,444	1,015	551	2,878	3,212	3,422	1,380	1,212	7,319	1,809	1,246	CO2e Footprint (kgs)
26 Metric Tons	99	2	7	8	17	10	10	6	13	18	6	2	Users
ons	104.00	2.00	7.00	8.00	20.00	4.50	12.00	4.00	9.50	28.00	8.00	1.00	Install Hours
5.64 m3	7.42	0.26			1.80	0.29		0.18	0.84	1.32	0.65	0.13	Concrete (Yds3)
m3	24	1	7	8	_	,_	-	<u> </u>	<b>+</b>	1		1	Active Play Events

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

Unit Total Consumer CO2e  ASTM Weight Recycled Content Footprint Install Concrete	) Event:	(Yds3)	Hours	Users	(kgs)	(lbs)	(lbs)	Status	Description	Qy.	. Part No.	No.
Total Consumer CO2e	te Play	Concret	Install		Footprint	-	Weight	ASTM				
	Activ				CO2e		Total	Unit				

### **ASTM F1487**

playground safety, IPEMA provides a Third Party Certification Service which validates compliance. 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 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 The lay-out for this custom playscape, design number C17127SP, has been configured to meet the requirements of the ASTM F1487 standard. In addition,

# 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

total of 30 hours on the project.] 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 Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each

### Carbon Footprint

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. harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from

## Pre-Consumer Recycle Content

captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels 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

# Post-Consumer Recycle Content

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 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

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



(112) 839-3019 FAX 2458 FONDINA THUS' 20 ENCINEERINC ENCINEERINC HAALINEN PC SORM DSA 103 (800)851-0865 www.americana.com C \*S Industrial Dr. - Salem, IL 62881 AMERICANA BUILDING PRODUCTS 16' AND 16' ILLINI SHELTER

Fig. 10 to the control with the control of the cont

VEBE" NO: 05-113840 EIFE NO: 5C-028

A CONDESTREAM OF ALL RESPONDED CONCESTER BOALL FOR RELEADING ON A FLEXON OF A CONCESTER CONCESTER SOURCE AND A CONCESTER AND

The Child And Evaluation of the Security and the Child And

The control of the co

BIOCOPARACTORIA DE TRUD. AREA ELIMANO, COMPONENTE BIANI, EE BIADA PANINCATED BO THATFII A. A. LE TRUTTURUL PERIN ANCEA LUMANO, COMPONENTE BIANI, EE BIADA PANINCATED BEACH DE COMMENTIONED DE

N. Fing Lie Backty.
N. Ald LIGHATC per Bend Scribe in Stress way be recovered have been been covered on the BETCH of National Programmers. In Stress was a second of the Scribe of Programmers. And Additional Programmers of Programmers. The Scribe of The Scribe of Programmers. The Scribe of The Scribe of Programmers. The Scribe of The Scribe

SITE SPECIFIC OPTIONS

TO SE COMPETED PROST OF ANY DESCRIBENTAL.

SOMETION OF ANY ATTENDANCE OF ANY OF SERVICE OF ANY OF

ILLINI SHELTER DESIGN NOTES, EXAMPLE FORM DSA 103 SHEET INDEX

ILLINI SHELTER PLANS, SECTIONS AND DETALLS 0.1 E

2013 CBC PC STRUCTURAL DESIGN NOTES	DESIGN VALUES		20,00	1947	SURE	100 Par	and both	494 0011	#detti	Metri		***************************************
2013	SCRIPTION	DEAD AND LIVE LOADS	ROOF LAVE LEND (L/)	ROOF DEAD LOAD (D)	ALLOWABLE SOIL PRESSURE	to	DEFLE	DL+SWDW	DI-FERSIMO	DL+WMD	ROOF BNOWLOAD	Carried Salvania Carried

NOTE: THE EXAMPLE FORM DAIAND SHOWN ON THIS SHEET IS GORILLISTRA/INVO PROPOSIST ONLY TO ABBIET IN THE COMPLETION OF IF ITTURE REGION OF PRESENCE ON AN A POWER WAS A FOWER CONTRIBUTION BUILD HAVILLES THON THAT THIS PICE IN BINN IN COMPONED BUILD AND THE EXAMPLE FORM BASHOLD IS TO BE GOASED OUT ON THIS DRIWNED.

			DESCRIPTION	DESIGN ANTRES
VANIDLE	A MOO	400	DEAD AND LIVE LOADS	
AAMPLE FORM DSA 103	DEN DO	2017	ROOFLANT LONG (L.)	to FBF
SHEET IS FOR ILLUS	STRATION PURPO	B BHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ABBIBT IN THE COMPLETION OF	ROOF DEAD LOAD PO	1941
M DSA-103 IS TO BE C	COMPLETED FOR	ALOSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING		
1-103 IS TO BE CROSSED OUT ON THIS DRAWING.	ED OUT ON THIS	DEAWING.	ALLOWABLE SOIL PRESSURE	The second secon
s the 2013 edition of the Cal	Hemia Building Goda	s the 2013 addition of the California Building Gode (CBC) universe otherwise noted.	ಕ	1000 PSF
1	100		DENT	1000 FSF
	No.		DC+BMOW	stoo Per
1	1 38		DI-46BISHIO	133 PSF
1			DC-HAND	No. of the last of
Table 1704.6			ROOF SNOW LOAD	
	_		GROUND BYON LOAD PLU	22 FBF
_		and an analysis has no but on without managementation. Head D to like of CD of these is no	ALDPED ROOF SNOW LCAD (Ps)	30 FSF
Parlodic	GE for the ails	GE for the sales specific princed.	ENDWEXPORTE FACTOR (C4)	3.5
			SNOW MPORTANCE FACTOR (I)	919
-			THEFAIL FACTOR (OU	12
Transit Marie	ı		The second secon	
THE	Lab" Uncerthe s	· Uncer the augmytion of the geolectrical engineer.	FLOOD DESIGN	
Continuous	GE 'By peathorn	* By peathornized arginose in his or her qualified representative. Use Pl in lieu of GE if trans 4 no. GE for the with specific project.	FLEICH HAZAND ANDA	Q.
Test	Lab* Linder the su	Under the supervision of the geotechnical orginaer.		
(PIERS): T	able 1105A.7		WAND DESIGN	
Cantinuant	OE By pedechr	* By geodechnical ergitheer or his or his openitied troptesentative. Use Pilits lieu of GE if there is no Difference when exemine contents	LITMATE DESIGN WHO BPIED (NR)	156 MPH
Continuous	18		WAID EXPOSURE PACTOR	9
Continuors	GE for the other	<ul> <li>Thy generation in prince or his or har qualified necessaristics. Use Pt in lieu of GR If trace is no GF for the pixel proposition project.</li> </ul>	TDPOSARANED FALTTOR (K41)	9)
1			ASCE T-10 WAS ANDLYSS METHOD	DHAITER 27 DIRECTIONAL PROCEDURE
Time to the second		Contact the authorized to the geographical programmer.	VELDOTY PRESSURE EXPOSURE COSTFICENT (N.g.	555
PTOYOU ZEND BING III	appearing par content.	I C MOUNT	NET PRESSURE CORPYCIONT	WASER, SEE CALCUCATIONS
Table 1706A.3			WAND DRECTIONALITY PACTOR (KG)	197
			WWO VELOCITY PRESENTE (IN)	31.3 PGF
Periodic 8	I B Pir To be parfor	8) B.Pt. * To be partnered by bakkinglant special frapector and project inspector.	SEISMIC DESIGN	
14.	Lab ASTAICHTZ, ASTRICS1	GTM C31.	TRANSVERGE LATERAL FORCE PUBLISHO BYSTON	STEEL ORGHANDY MOMENT PRESSTING PRANSS
Test	Lab ACI 318 Sect	ACI 316 Section 54 and 1905A.1.2 (1913.3.1"), ASTA C30.	LONGITICIANAL LATERAL FORCE MESSETTING SYSTEM	STEEL CANTENER COLLADA

THE OF SPECIAL MEPECTION GENERAL:

3	BEISMIC DESIGN	
	TRANSPERSELATION, FORCE RESISTING BYSTON	STEEL ORGHANDY MOMENT INCHISTING FRAME
	LONGITHCHAL LATERAL FORCE RESISTING SYSTEM	STEEL CANTLEVEN COLLEGNS
	ALCE THO ANALYSIS PRINCENES	BECTICA 12 8 EQUANAL BIRT CATERIAL FONOR F
to partodio if plans pomplies	BEZWAD DE BON CATEGORY	
and beach flokely.	BBIGMID BAPCHTANCE FACTOR	QV .
140	TRANSVERSE DESKIN BASE SHEAR (1)	10x a PER COLLAN
J. Care	LONGTICOVAL DESIGN BASE SHEAR IN	200 a P GR COLLINON
	TRANSVERSE SEISMC RESPONSE COFFICIENT (CL.)	675
	LONGITLONAL SHIMMS RESPONDE DOLLFROIDAT (Da.)	7
	TRANSMINSE RESPONSE MICHERATION FACTOR (R.)	38
	LONGITICIAN, REPONDE MOOFICATION FACTOR (R.)	138
	SITE CLASS	q
and stripped clinicity to	MARPHIDADE, SW. DAMPED, SPRICTIVAL RESPONSE ACCELERATION AT SPICET PERIOD (64)	103
	SHOWT PETHOD SITS COSPINITING (P.S.)	(5)
	DEMANAGE 1% DANED, BRECTAL RESPONSE ACCREMATION AT SHORT PENNO (SM)	5
	MAPPED MCE, SM, DAMPEO, BPEUTINAL RESPONSE ACCELERATION AT 4 SECTORD PERIOD (81)	п
	LONG PERIOD SITE DOSFROIGNT (PV)	1.8
	DESIGN BY DAMPID, SPECTRAL REPORTE ACCELERATION AT 1 SECOND FENDE (SA)	(3
	HCRIZONTAL OR VERTICAL INVESTIGATOR TYPES	HONE

Continuose Pt 'May be performed by a spacial impactor when specifically approved by Washington 850-11/ABCE 8-11 Table 1.18-3 1708A.3.2; If approved by DGA, beach plane inspection may be reduced in 1708A.3.3; Item 1, and sequeless flat brach inspection, weighner

Inspect placement of formers, reinfording steel, unbedoed flams and conceils trapect curving and farm removal.

e. Betch plant napacitor

Pariodic 8.1 PF 17 to particined by basis-plant appeal inspecies and poljability free Lab ASTA C172, ASTA C39.

| The state of the property of the property of state of the property of state of the property of the property

19 spacial inspector when performed off-alte; by project inspect project also were at weaking or fabrication.

Periodia

Test Lab 2283A.1 (2203.1") ASTM A370 Periodic St\* 1 DBA IR 17.3

17 STRUCTURAL STEEL AND COLD-FORMED STEEL USED FORSTRUCTURAL PURPOSES
Marel windingson

1. Vinging in event in terpoporate printer only with

1. Vinging in event interpretation printer that only with

1. Vinging in event interpretation only with

1. Vinging interpretation

CHRISTIANTON CLASSFICATION	TYPEME
DOCUMANOY CLASSIFICATION	24
MAK CATEGORY	
DAMBUR OF STORISE	
HAWAN BESTHAND MEPAPATYON	*
MAINALM AREA	628.35

Periodia St 056A R 17-0 DSA R 17-2, AVR D1-1 and AWS D1.8 (AVS D1.5 for cold forms also).

Lab 2213A,1 (221281), ASTM P608, A370, DEA JR 174

Periodio 51 DSA IR 17-9

Periodin &

Word principles and second in the BOAT 15.
 If It AND STREAM THE BOAT 15.
 Word brinds and the BOAT 15.
 Word Stream of High-Registry Bolls, Note, and Weahers.
 Word Stream of High-Registry Bolls, Note, and Weahers.
 Word Stream of High-Registry Bolls.
 Word Stream of High-Registry Bolls.
 Word Stream of High-Registry Bolls.
 Word Stream of Word Stream of Management of Management of Words.

La Transperiord Bournaria.
 La Transperiord Colls, rice and washers.
 Inspection of 19th-Streetth Bott Installistion:
 X. Electriques Chica large connectors.

Confluence

Constitution of the c

Continuous 8 Rv. AISO 360 (and AISO; 345 ea applicable), DISA IR 17-3 Periodio 59 Peri AISO 350 (and AISO 341 as applicable) DISA IR 17-3

19.7 SHOP WELDING:

a. Interest grows, malipses, and thet wide > Erici

b. Inspect intigle pass filet wide x 510?

WOOD

Periodic \$1 DSA.IR17-3 Periodic \$1

| X | Employees or impossible political and included the control of the control o

TYPERE	2		-	>	COR ST
CONSTRUCTION CLASSFICATION	DOCUMENCY CLASSIFICATION	MAKCATEGORY	NAME OF STORIES	NINTAMAN DESIRING MEPARATION	WAINLY AREA

# NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

PRETITE A PRATE I SECTION A 219(9) OF THE CALIFORNIA GOOG OF REBULATIONS. THE MINISTER OF A PROPERTY 6 N

6. IL CONSTRUCTOR ACTIVITYS BALL STEP TO THE DESCRIPTION AE RECONSERVED WHITE THE STEP RECOLDED RECORDED RECOLDED RECOLDED RECOLDED RECORDED RECOLDED RECORDED RECORD STRUCTURAL OBSERVATION OF CONSTRUCTION IS BPECIFICALLY EXCLUDED FROM ROGER HYYTINEN'S RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT. wi

> GE - incloades that the appetial inspection is to be performed by a registered geolectrolizal engineer of his or his alubbites representably.
>
> In challed the terms and or hepoton is to be performed by a testing leconiony accepted in the DISA laboratory grounds or the performance of the performance of

Solis keelve and napadom. Georecricial Verified Report - Form DSA/253
All Structural Tesling. Laboratory Varieso Report - Form 194-291
Compress attain Park Industrial Report - Form 194-292
Compress attain Park Industrial Report - Form 194-292
HES Both transactors in Newton's Speed impactor Verified Report - Form 194-292

nuous - Indester hair sordinous special indestruction is required

f to Columns

sebatic - indicates that a periodic special impaction is required

æ 1

Heritation, tagen or the couponers and coversitions or this settlights
 Residential the componers and coversitions or this settlight will
 Residential the settlight of the componers and coversitions or the coversition of the coversities of the cover

Combigning component are of accounted in the Combined and component and component and component are of a recognition of a rec

TERMA SHALL BELLIN THE WAY PRO BELL TRALLING DOTHER WITH BOCK BALL MANIESTER FOR CERENA MATCHES AND THE WAY TO CERENA MATCHES TO CHARLES AND THE WAY TO CHARLES AND THE WAY TO CHARLES AND THE WAS THE WAY TO CHARLES AND THE WAS THE WAY TO CHARLES AND THE THE WAS THE WAY TO CHARLES WE WAS THE WAS THE WAY TO CHARLES WE WAS THE WAY TO WAY TO

### GENERAL NOTES

CODE: 5043 CBC ье-снеск (ьс) воспием

STRUCTOR TOUR AND STRUCTOR TO AND SPECIFICATIONS BUILL BY MADE BY AN ADDEROL OR COGNIZATION WHOSE TO THE AND SPECIAL BY MADE BY THE DIVISION OF THE BRATE AND SPECIALD BY PARTY. THE SI, D.C.B.

ROCEDURE

A PROBLEMENTON OF THE CONSTRUCTOR OF THE CONSTRUCTION OF THE CONSTRUCTION OF THE CONSTRUCTION OF THE PROPERTY OF THE CONSTRUCTION OF THE PARTY OF THE CONSTRUCTION OF THE PARTY OF THE CONSTRUCTION OF THE STATEMENT OF THE STATEME

AS NOTED OF COLUMN TO THE PARTY OF THE PARTY O.T

(112) 659-9016 PAX PAGE LONGIN LAND, SUITO ENGINEERING ENGINEERING HAALINEN PC (800)821-0862 max-subelgebe-com \$5 principal de - Zejem' ID 85881 YMERICYNY BAITDING EKODACLE 10, YND 16, HTMI ZHELLEE A separate project application for construction is required. 10/21/14
AS NOTE
AS NO APPL, NO.: 02-113840 FILE NO.: PC-058 H CODE :2013 CBC ве-снеск (ьс) посливи (18) FASCIA PER DRAIN HOLE ROOF DECK NOT SHOWN FOR GLARITY. 3 6 (01) B' LONG & GLOZA" THOCK ALLUMANIN SCAPPER W/ (2) 8-16 × 1/2" HW ROWN SCAPENS TO GATTEN, SE NOTE 2 HOLE IN BOTTOM OF HSS RATER BEYOND NOTE:

J. DRAW HOLES SHAL BE SPACED

J. DRAW HOLES SHAL BE SPACED

SOUPER NOT USED MATE

DOMESOUT OFTOM IS SOLECTED. DANNE WERE DOOMS

SYND WERE DOOMS

SY OPERS PER DINKER TO STORTE OF THE HOUSE THE SHALL BE OFTENBRED BY DWING!

2. ANY CAPITY IS LEAVENING THE OFTENBRED BY DWING!

2. ANY CAPITY IS LEAVENING THE OFTEN DATE OF THE OFTEN DATE

2. ANY CAPITY IS LEAVENING THE OFTEN DATE OFTEN DATE

2. ANY CAPITY IS LOCATION TO THE OFTEN DATE OFTEN DATE

2. ANY CAPITY IS LOCATION TO THE OFTEN DATE

3. ANY CAPITY IS LOCATION TO THE OFTEN DATE

3. ANY CAPITY IS LOCATION TO THE OFTEN DATE

4. ANY CAPITY IS LOCATION TO THE OFTEN DATE

4. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPITY IS LOCATION TO THE OFTEN DATE

5. ANY CAPI PER 16/-, TIP. DETAIL NOTES.

1. EAVE HIGHT IS A SIT SPECIFIC APPLICATION OF TON.

2. REQUIRED COLUMN SITE VARES BASED ON EAVE HIGHT. TYPICAL GUTTER SPLICE S-FDOTING FOT GUTTER DRAIN HOLES PER PLAN, TYP. S PER 2/-ROOF CORNER PLAN 6. LONG A COLOR A COLOR HING A COLOR OF THE A ALUMENT OF THE A COLOR OF THE A COL PLAN SECTION ELEVATION REQUIRED COLUMN SIZE 12" LONG SPLICE NYSEL PER 13/- INSEC DUTTER. SEA, TO GUTTER WITH SLUCCHE SEALANT. (2) 8-18x1/2" HWS PZ PONT SEU DRUMD SCREWS EA SIDE OF SPLICE. HES RAFTER PER PLAN COLUMN AND FOOTING SCHEDULE HES EDGE BEAM PER PLAN 10-0" OR 18'-0" C #LATE 1/8" × 1" × U"-4" LACH SIDE OF ROSE BEAM EACH SOE OF RIOSE BEAN 17 HIM 15 PONT SEL DRILLING SCHEWS EA SIDE BO,T EXCH SIDE OF SPLICE PER PLAN (8) BUILDING SECTION PER PLAN 14'-0" AT 10" WISE SHELTER 14'-0" AT 10" WDE SHELTER SEE HOTE 2. NOTE:
1, ROCE DECK NOT SHOWN, SEE 12/2, RHOZE BLAM SPLCTS, WHERE RECUMED,
2, SHOZE BLAM SPLCTS, WHERE RECUMED,
2, SHOZE BLAM SPLCTS, WHERE FRAME CONNECTION AT RIDGE TANK (SEE HOUSE I AMA 3) NOTES.

1. ROCK DECK NOT STOWN,

2. SELVE LOCATEN STOWN SM, AT

CONTINUOUS ROCE CAP LOCATIONS. REDGE BEAM S SURFACE WITH 2X MAX SLIPE TIP. TYPICAL EDGE BEAM SPLICE 3/16 3/16 1 RIDGE BEAM SPLICE PCR 16/-WERE REQURED. A STATE TO THE STA 1 (+) RAFTER DAR PLATE AT RAFTER PER 6/- BEYCH EDGE BEAN TIP. ALUMINUM RIDGE BEAM PER 14/-DEAN PER 14/-(4) RATES AND 115/8/27 OFFICE, SELECT DECIN IS A SIT SPECIFIC APPLICATION OPPORT.

STANDS SHALL BY SAFED AT 8-0" OD. THROSPICUT A LINNAM OF STANDS SHALL SELECTION OF THE SAFED AT SAFED APPLICATION OF THE SAFED AT SA HSS RAFTER PER PLAN INTERLOCKING ROOF DECK PROFILE [16] (9) 1 8/16 (3) THE STATE OF THE S WARES BY SUE SPEOPIC APPLICATE 0 VARIE BY SIT SPECIFIC APPLA S PER 2/-RAFTER TO COLUMN CONNECTION Sylve O PLAN SECTION NOTE: SEE 7/- FOR EDGE BEAM SPLICE Scotton - 1,07 m2 Scotton - 0,07 m3 FOUNDATION AND ROOF PLANS FOUNDATION PLAN (0) (0) \$1 % \$1.0 3d0 % 3d0 % 1 5/16 FOOTING AT 9"-0" O.E. PER 4/- TIP. RIOGE BEAM PER ROOF PLAN D. 800 1/4" x 2 3/4" x 0-7" 3/16/ HES EDDE BEAM PER PLAN OUTER - MOVE DRAWGE NOES PER 10/- MOUE NOES PER 10/- MOUE NOES PER 10/- MOUE NOES PER (1) 1/2' DA. HSB THROUGH BOLTS 111/4 (3) (2) <u>8</u> 16-0' OF 1-15-0' SEE NOTE 2 WOE SHELTER 14'-0' @ 10' MOE SHELTER SEE NOTE 2 FASCIA TO ROOF DECK CONNECTION 15 (14) (10) 1. SEE 4/- FOR OCCURN CONLECTION TO BASE PLATE, SASE, PLATE, AND NON SPENN GROUT. AT CONTRICTOR'S CPTICE, MTH. THE CHARTY'S APPROVA PER 16 HSS COLIMI PER PLAIL ALTERNATE FOUNDATION SECTION DRULING SCREWS AT 16" O.C. CHULLING SCHOOL ALLUMNOUS FASCIA 3. Car RIDGE BEAM PROFILE 31/8 31/8 2 3/6, 2 3/6 1 PINES G.109" THICK AT STEPSHORY TYP. L.N.O. (12) GUTTER AND SPLICE INSERT PROFILES [13] SPLICE INSERT 9 (1) B-18 : JAF 198 JE PORT SEL PRODE DECK TO belossed THE 10.4 Sel. RIDGE BEAM CONNECTION 3 3/18" NOTE: ABOUT PAWED OF CONCETT PART OF TROUBLE PART OF TROUBLE DESTRUCTION OF TROUBLE FORMS FORMS FORMS FORMS FORMS FORMS FORMS FOR SHELL S/- FOR OPPOSE A ASSAULT SPECIAL FORMS PLAN SECTION VERTICAL BARS 11/1 CENTERLINE OF HSS COLUMN, FOOTING, RASPILATE, AND ANCHOR BOLT PATTERN 19,4" x 12" SO, BASE FLATE W/ (4)
B/G DIA, HEADD ANCHOR BOLTS W/
3/16" x 2" SO, WASHENS AT 5" G.C.
-1" & HOH SHRINK GROUT GUTTER SILAB (BY OTHERS) AROUND OR DOVER FOOTING WIETE DOCURS. SEE NOTE ALUMINUM ROOF DECK PER 18/-(3) #4 TES AT 2" O.C. AT TOP 5" HSS EDGE BEAN S H DES AT # D.C. CONCRETE FOOTING (11) (1) SONEW AT EA 3 3 ROOF DECK TO EDGE BEAM CONNECTION SLF DRILLING SCHENS W/ NEOPPEN WASHER AT 8" O.C. FOUNDATION SECTION ASS CRUMM PER PLAN
SAGE CONCRETE ZN MR. B-18 x 3/4" HWH FA POAT SELF CRILLING SCRENS WITH NECHERS WASHERS AT 16" D.C.) S. G.E. PROVIDE CAAN HOLES

7497 ZI

(MON ME)