### Palo Verde Community College - Child Development Center 75% Construction Documents Statement of Probable Cost March 15, 2022 21-00053.00



Prepared for SILLMAN



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## EXECUTIVE SUMMARY

Project Description	The project includes demolishing the existing Masonic Lodge Building, approximately 3,330 SF, at 141 S. 2nd Street in Blythe, CA, and building a new Child Development Center. The project includes construction of a new, 9,600 SF single story modular building. Also included are hardscape, landscape, site improvements and site utilities.
Basis of Estimate	<ul> <li>This 75% Construction Documents Statement of Probable Cost is based upon the following:</li> <li>PVC CDC AMS 75% CD plans, dated 2/11/22, prepared by AMS</li> <li>PVC CDC Arch 75% CD plans, dated 2/24/22, prepared by SILLMAN</li> <li>PVC CDC Civil progress plans, dated 11/11/21, prepared by The Holt Group</li> <li>PVC CDC Electrical 75% CD plans, dated 2/10/22, prepared by EPI</li> <li>PVC CDC Fire Alarm 75% CD plans, dated 2/10/22, prepared by Veltre Engineering</li> <li>PVC CDC Food Service 75% CD plans, dated 2/10/22, prepared by Webb</li> <li>PVC CDC Landscape progress plans, dated 11/19/21, prepared by MSLA Landscape Arch</li> <li>PVC CDC Structural progress plans, dated 2/3/22, prepared by Core Structure, Inc.</li> <li>PVC CDC Modular Building quote, dated 10/4/21, prepared by American Modular Systems</li> <li>Discussions with the design team</li> </ul>
Estimate Format	A component cost classification format has been used for the preparation of this estimate. It classifies costs by building system / element.
Cost Mark Ups	<ul> <li>The following % mark ups have been included in each design option:</li> <li>General Conditions (6.00% on direct costs)</li> <li>General Requirements (3.00% on direct costs)</li> <li>Bonds &amp; Insurance (2.00% on direct costs)</li> <li>Contractor's Fee (5.00% on direct costs)</li> <li>Design Contingency (2.50% on direct costs)</li> <li>Escalation to MOC, 12/31/22 (5.58% on direct costs)</li> </ul>
Escalation	All subcontract prices herein are reflective of current bid prices. Escalation has been included on the summary level to the stated mid point of construction.
Design Contingency	An allowance of 2.50% for undeveloped design details has been included in this estimate. As the design of each system is further developed, details which historically increase cost become apparent and must be incorporated into the estimate while decreasing the % burden.
Construction Contingency	It is prudent for all program budgets to include an allowance for change orders which occur during the construction phase. These change orders normally increase the cost of the project. It is recommended that a 5.00% - 10.00% construction contingency is carried in this respect. This cost is not included within the estimate.
Construction Schedule	Costs included herein have been based upon a construction period of 8 months. Any costs for excessive overtime to meet accelerated schedule milestone dates are not included in this estimate. - Anticipated Construction Start - September 1, 2022 - Anticipated Midpoint of Construction - December 31, 2022 - Anticipated Substantial Completion - May 1, 2023

## EXECUTIVE SUMMARY

Method of Procurement	The estimate is based on a design-bid-build delivery method. The modular building will be contracted separately, while the General Contractor will include all sitework, foundations, utilities and building components not provided by AMS.
Bid Conditions	This estimate has been based upon competitive bid situations (minimum of 4 bidders) for all items of subcontracted work.
Basis For Quantities	Wherever possible, this estimate has been based upon the actual measurement of different items of work. For the remaining items, parametric measurements were used in conjunction with other projects of a similar nature.
Basis for Unit Costs	Unit costs as contained herein are based on current bid prices in Blythe, CA. Sub overheads and profit are included in each line item unit cost. Their overhead and profit covers each sub's cost for labor burden, materials, and equipment, sales taxes, field overhead, home office overhead, and profit. The general contractor's overhead is shown separately on the master summary.
Sources for Pricing	This estimate was prepared by a team of qualified cost consultants experienced in estimating construction costs at all stages of design. These consultants have used pricing data from Cumming's database for construction, updated to reflect current conditions in Blythe, CA.
Key Exclusions	<ul> <li>The following items have been excluded from our estimate:</li> <li>Professional fees, inspections and testing.</li> <li>Plan check fees and building permit fees.</li> <li>Furnishings, fixtures and equipment (FF&amp;E), except where noted through the cost estimate.</li> <li>Hazardous material abatement</li> <li>Construction Contingency</li> <li>Phasing / out of hours working</li> <li>Move management</li> <li>Building components as noted as provided by AMS per quote dated 10/4/21</li> </ul>
Items Affecting Cost Estimate	<ul> <li>Items which may change the estimated construction cost include, but are not limited to:</li> <li>Modifications to the scope of work included in this estimate.</li> <li>Unforeseen sub-surface conditions.</li> <li>Restrictive technical specifications or excessive contract conditions.</li> <li>Any specified item of material or product that cannot be obtained from 3 sources.</li> <li>Any other non-competitive bid situations.</li> <li>Bids delayed beyond the projected schedule.</li> <li>Land acquisition, FF&amp;E, playground equipment and technology budgets per the owner.</li> </ul>

## EXECUTIVE SUMMARY

Statement of Probable Cost	Cumming has no control over the cost of labor and materials, the general contractor's or any subcontractor's method of determining prices, or competitive bidding and market conditions. This estimate is made on the basis of the experience, qualifications, and best judgement of a professional consultant familiar with the construction industry. Cumming, however, cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from this or subsequent cost estimates. Cumming's staff of professional cost consultants has prepared this estimate in accordance with generally accepted principles and practices. This staff is available to discuss its contents with any
	interested party. Pricing reflects probable construction costs obtainable in the project locality on the target dates specified and is a determination of fair market value for the construction of this project. The estimate is not a prediction of low bid. Pricing assumes competitive bidding for every portion of the construction work for all sub and general contractors with a range of 3 - 4 bidders for all items of work. Experience and research indicates that a fewer number of bidders may result in higher bids. Conversely, an increased number of bidders may result in more competitive bid day responses.
COVID-19 Disclosure	The outbreak of the novel Coronavirus (COVID-19), declared by the World Health Organization as a "Global Pandemic" on 11 March 2020, has impacted global financial markets. Market activity is being impacted in many sectors and circumstances remain very fluid and variable in different jurisdictions. Accordingly, as of this date, we are concerned with the market related impacts on the deliverables we are furnishing to you as part of our Services including cost estimates,
	budgets, and schedules ("Deliverable(s)"). Indeed, the current response to this pandemic means that we are faced with an unprecedented set of circumstances on which to base a judgement of the effects on the availability of labor, materials, and access and other impacts, although we are monitoring those on a continuing basis. Particularly including productivity impacts as a result of the CDC directives regarding social distancing.
	Our Deliverables must be regarded with a degree of 'material uncertainty, – and a higher degree of caution – than would normally be the case. Given the unknown future impact that the COVID-19 pandemic might have on the construction and real estate markets, we recommend that you keep the Deliverables of this project under frequent review. For your information, we have not added or considered a COVID19 additional contingency within this Deliverable"
Recommendations	Cumming recommends that the Owner and the Architect carefully review this entire document to ensure it reflects their design intent. Requests for modifications of any apparent errors or omissions to this document must be made to Cumming within ten days of receipt of this estimate. Otherwise, it will be assumed that its contents have been reviewed and accepted. If the project is over budget or there are unresolved budget issues, alternate systems / schemes should be evaluated before proceeding into further design phases.
	It is recommended that there are preparations of further cost estimates throughout design by Cumming to determine overall cost changes since the preparation of this preliminary estimate. These future estimates will have detailed breakdowns indicating materials by type, kind, and size, priced by their respective units of measure.

## OVERALL SUMMARY

Element	Area	Cost / SF	Total
Sitework	31,960	\$53.22	\$1,701,056
New Modular Building	9,600	\$564.16	\$5,415,913
Total Estimated Construction Cost	9,600	\$741.35	\$7,116,968
FF&E, Playground Equipment & Technology (Allowance per PVCC)			\$500,000
Land Acquisition Costs (Allowance per PVCC)			\$125,000
Add Alternates			
Re-pave Alley Behind Property			\$25,000

#### SUMMARY MATRIX

			Sitework		New	/ Modular Build	ding		Totals	
			31,960 SF			9,600 SF			9,600 SF	
Element		Subtotal	Total	Cost/SF	Subtotal	Total	Cost/SF	Subtotal	Total	Cost/SF
A) Shell (1-5)						\$319,250	\$33.26		\$319,250	\$33.26
1 Foundations					\$288,000	. ,	\$30.00	\$288,000	. ,	\$30.00
2 Vertical Structure										
3 Floor & Roof Structures										
4 Exterior Cladding					\$31,250		\$3.26	\$31,250		\$3.26
5 Roofing and Waterproofing										
B) Interiors (6-7)										
6 Interior Partitions, Doors and Gla	zing									
7 Floor, Wall and Ceiling Finishes										
C) Equipment and Vertical Transporta	tion (8-9)					\$171,680	\$17.88		\$171,680	\$17.88
8 Function Equipment and Special	ties				\$171,680		\$17.88	\$171,680		\$17.88
9 Stairs and Vertical Transportation	n									
D) Mechanical and Electrical (10-13)						\$393,064	\$40.94		\$393,064	\$40.94
10 Plumbing Systems					\$42,502		\$4.43	\$42,502		\$4.43
11 Heating, Ventilation and Air Conc	ditioning				\$40,809		\$4.25	\$40,809		\$4.25
12 Electrical Lighting, Power and Co	ommunications				\$302,252		\$31.48	\$302,252		\$31.48
13 Fire Protection Systems					\$7,500		\$0.78	\$7,500		\$0.78
E) Site Construction (14-16)			\$1,347,528	\$42.16					\$1,347,528	\$140.37
14 Site Preparation and Demolition		\$116,790		\$3.65				\$116,790		\$12.17
15 Site Paving, Structures & Landso	aping	\$846,852		\$26.50				\$846,852		\$88.21
16 Utilities on Site		\$383,886		\$12.01				\$383,886		\$39.99
Subtotal Cost			\$1,347,528	\$42.16		\$883,994	\$92.08		\$2,231,521	\$232.45
General Conditions	6.00%		\$80,852	\$2.53		\$53,040	\$5.52		\$133,891	\$13.95
General Requirements	3.00%		\$42,851	\$1.34		\$28,111	\$2.93		\$70,962	\$7.39
Bonds & Insurance	2.00%		\$29,425	\$0.92		\$19,303	\$2.01		\$48,728	\$5.08
Contractor's Fee	5.00%		\$75,033	\$2.35		\$49,222	\$5.13		\$124,255	\$12.94
Design Contingency	2.25%		\$35,453	\$1.11		\$23,258	\$2.42		\$58,711	\$6.12
Escalation to MOC, 12/31/22	5.58%		\$89,915	\$2.81		\$58,985	\$6.14		\$148,900	\$15.51
Modular Building, AMS, incl. stru	cture, envelop	e, interior fit-ou	ut, MEP, allowand	e		\$4,300,000	\$447.92		\$4,300,000	\$447.92
Total Estimated Construction Co	st		\$1,701,056	\$53.22		\$5,415,913	\$564.16		\$7,116,968	\$741.35

Sitework

SUM	MARY - SITEWORI	۸.		
Element	Subtotal	Total	Cost / SF	Cost / SF
<ul> <li>A) Shell (1-5)</li> <li>1 Foundations</li> <li>2 Vertical Structure</li> <li>3 Floor &amp; Roof Structures</li> </ul>				
4 Exterior Cladding 5 Roofing and Waterproofing				
B) Interiors (6-7)				
6 Interior Partitions, Doors and Glazing				
<ul> <li>7 Floor, Wall and Ceiling Finishes</li> <li>C) Equipment and Vertical Transportation (8-9)</li> <li>8 Function Equipment and Specialties</li> <li>9 Stairs and Vertical Transportation</li> </ul>				
<ul> <li>b) Mechanical and Electrical (10-13)</li> <li>10 Plumbing Systems</li> <li>11 Heating, Ventilation and Air Conditioning</li> <li>12 Electrical Lighting, Power and Communications</li> <li>13 Fire Protection Systems</li> </ul>				
E) Site Construction (14-16)		\$1,347,528		\$42.16
<ul><li>14 Site Preparation and Demolition</li><li>15 Site Paving, Structures &amp; Landscaping</li><li>16 Utilities on Site</li></ul>	\$116,79 \$846,85 \$383,88	2	\$3.65 \$26.50 \$12.01	
Subtotal General Conditions	6.00%	\$1,347,528 6 \$80,852	-	\$42.16 \$2.53
	0.007	. ,	_	
Subtotal General Requirements	3.00%	\$1,428,379 % \$42,851		\$44.69 \$1.34
Subtotal Bonds & Insurance	2.00%	\$1,471,231 6 \$29,425	-	\$46.03 \$0.92
Subtotal		\$1,500,655	_	\$46.95
Contractor's Fee	5.00%	% \$75,033		\$2.35
Subtotal Design Contingency	2.25%	\$1,575,688 6 \$35,453	-	\$49.30 \$1.11
Subtotal Escalation to MOC, 12/31/22	5.58%	\$1,611,141 6 \$89,915	-	\$50.41 \$2.81
TOTAL ESTIMATED CONSTRUCTION COST		\$1,701,056		\$53.22

Total Area:

31,960 SF

## DETAIL ELEMENTS - SITEWORK

ement	Quantity	Unit	Unit Cost	Total
Site Preparation and Demolition				
Site Preparation & Demolition				
Temporary protection measures, site fencing, etc.	1	ls	\$8,750.00	\$8,7
Demo existing building, incl. foundations	3,525	sf	\$8.00	\$28,2
Sawcut AC paving	243	lf	\$3.60	\$8
Sawcut concrete paving/curbs	33	lf	\$6.00	\$
Demo AC paving	856	sf	\$2.00	\$1,7
Demo concrete paving	1,909	sf	\$3.55	\$6,
Demo curb & gutter	83	lf	\$10.25	\$
Demo existing fencing	162	lf	\$8.25	\$1,3
Earthwork				
Clear and grub site, remove vegetation, plants	26,370	sf	\$0.25	\$6,
Field staking/layout	31,960	sf	\$0.20	\$6,
Erosion control measures	31,960	sf	\$0.30	\$9,
Rough grading, cut and fill, based on balanced site	31,960	sf	\$0.50	\$15,
Overexcavate and recompact, 5' below/beyond pads	2,670	су	\$8.50	\$22,
Fine grading	22,811	sf	\$0.30	\$6,
otal - Site Preparation and Demolition				\$116,
otal - Site Preparation and Demolition				\$116,7
otal - Site Preparation and Demolition Site Paving, Structures & Landscaping				\$116,7
	1	ls	\$75,000.00	\$116, \$75,(
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape		ls		\$75,I
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base	5,497	ls sf	\$4.85	\$75, \$26,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape				\$75, \$26,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base	5,497	sf	\$4.85	\$75, \$26, \$1,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base	5,497 182	sf sf	\$4.85 \$6.00 \$10.00 \$11.00	\$75, \$26, \$1, \$65,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks	5,497 182 6,562	sf sf sf	\$4.85 \$6.00 \$10.00	\$75, \$26, \$1, \$65, \$52,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color	5,497 182 6,562 4,777 263 411	sf sf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50	\$75, \$26, \$1, \$65, \$52, \$3,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular	5,497 182 6,562 4,777 263	sf sf sf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00	\$75, \$26, \$1, \$65, \$52, \$3, \$5,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter	5,497 182 6,562 4,777 263 411	sf sf sf sf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps	5,497 182 6,562 4,777 263 411 194	sf sf sf sf sf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps	5,497 182 6,562 4,777 263 411 194 28	sf sf sf sf sf sf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$3, \$1, \$7,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps Concrete curbs - 6" barrier curb	5,497 182 6,562 4,777 263 411 194 28 367	sf sf sf sf sf sf sf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$7, \$1,
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ribbon gutter Concrete steps Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter	5,497 182 6,562 4,777 263 411 194 28 367 66	sf sf sf sf sf sf lf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$7, \$1, \$
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" curb & gutter	5,497 182 6,562 4,777 263 411 194 28 367 66 20	sf sf sf sf sf sf lf lf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$7, \$1, \$
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ribbon gutter Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" curb & gutter Concrete curbs - 4" mow curb	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54	sf sf sf sf sf f lf lf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$1, \$1, \$
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ribbon gutter Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" curb & gutter Concrete curbs - 4" mow curb Concrete curbs - 6" mow curb	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56	sf sf sf sf sf lf lf lf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$15.50	\$75,  \$26,  \$1,  \$65,, \$52,; \$3,, \$5,, \$3,, \$1,, \$1,, \$1,, \$1,, \$1,, \$1,, \$1
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" mow curb Concrete curbs - 6" mow curb Truncated domes	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56 25	sf sf sf sf sf sf lf lf lf sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$15.50 \$33.00	\$75,  \$26,  \$1,  \$65, \$52, \$3, \$5, \$3, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" curb & gutter Concrete curbs - 6" mow curb Concrete curbs - 6" mow curb Concrete curbs - 6" mow curb Truncated domes Striping - parking stalls, typ	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56 25 25	sf sf sf sf sf f lf lf lf sf ea	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$13.50 \$15.50 \$33.00 \$40.00	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$1, \$1, \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ribbon gutter Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" curb & gutter Concrete curbs - 6" mow curb Concrete curbs - 6" mow curb Truncated domes Striping - parking stalls, typ Striping - parking stalls, ADA, incl. post & signage	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56 25 25 25 25 2	sf sf sf sf sf f lf lf lf ea ea	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$15.50 \$33.00 \$40.00 \$385.00	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$7, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" now curb Concrete curbs - 6" mow curb Truncated domes Striping - parking stalls, typ Striping - parking stalls, ADA, incl. post & signage Striping - hatched	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56 25 25 25 2 2 143	sf sf sf sf sf lf lf lf sf ea sf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$15.50 \$33.00 \$40.00 \$385.00 \$4.00	
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - Vehicular Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ramps Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" now curb Concrete curbs - 6" mow curb Truncated domes Striping - parking stalls, typ Striping - parking stalls, ADA, incl. post & signage Striping - painted curbs	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56 25 25 25 2 2 143	sf sf sf sf sf f lf lf lf ea ea sf lf	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$15.50 \$33.00 \$40.00 \$385.00 \$4.00 \$1.00	\$75,  \$26,  \$1,  \$65, \$52,' \$3, \$5,' \$3,' \$1,' \$1,' \$1,' \$1,' \$1,' \$1,' \$1,' \$1
Site Paving, Structures & Landscaping Off-site improvements, allowance Hardscape AC paving, 3" over 6" base AC paving, 3" over 9" base Concrete paving - PCC sidewalks Concrete paving - PCC sidewalks, integral color Concrete paving - PCC sidewalks, integral color Concrete paving - vehicular Concrete paving - ribbon gutter Concrete paving - ribbon gutter Concrete steps Concrete curbs - 6" barrier curb Concrete curbs - 6" barrier curb Concrete curbs - 6" curb & gutter Concrete curbs - 6" mow curb Concrete curbs - 6" mow curb Truncated domes Striping - parking stalls, typ Striping - parking stalls, ADA, incl. post & signage Striping - hatched Striping - painted curbs Striping - "no parking"	5,497 182 6,562 4,777 263 411 194 28 367 66 20 54 56 25 25 25 25 25 21 43 156 1	sf sf sf sf sf f lf lf lf ea sf lf ea sf lf ea	\$4.85 \$6.00 \$10.00 \$11.00 \$12.00 \$14.50 \$20.00 \$40.00 \$21.50 \$28.50 \$22.50 \$13.50 \$15.50 \$33.00 \$40.00 \$385.00 \$4.00 \$1.00 \$80.00	\$75, \$26, \$1, \$65, \$52, \$3, \$5, \$3, \$1, \$1, \$1, \$ \$1, \$ \$ \$

	SITEWORK			
Element	Quantity	Unit	Unit Cost	Total
Landscaping				
Shrubs, small	96	ea	\$45.00	\$4,320
Shrubs, medium	38	ea	\$70.00	\$2,660
Soil amendments & mulch	2,039	sf	\$2.25	\$4,58
Lawn, ground preparation and sod	950	sf	\$1.80	\$1,71
Sand box	843	sf	\$4.00	\$3,37
Trees - 15 gal	6	ea	\$775.00	\$4,65
Irrigation to planting areas	2,039	sf	\$4.00	\$8,15
Irrigation to lawn	950	sf	\$1.50	\$1,42
Site Amenities & Structures				
Concrete footing for CMU walls	571	lf	\$82.00	\$46,82
8" CMU walls - 8'-0" H w/cap	571	lf	\$250.00	\$142,75
Stone veneer, 2" at CMU walls	514	sf	\$45.00	\$23,13
Fencing - ornamental metal, 5'-0" H	8	lf	\$295.00	\$2,36
Fencing - ornamental metal, 8'-0" H	15	lf	\$350.00	\$5,25
Fencing - ornamental metal, ped gates, single, 5'-0" H	2	ea	\$2,750.00	\$5,50
Fencing - ornamental metal, ped gates, single, 8'-0" H	3	ea	\$3,150.00	\$9,45
Fencing - ornamental metal, vehicular rolling gates, 8'-0" H	2	ea	\$20,500.00	\$41,00
Fabric shade structure at playground	1,986	sf	\$55.00	\$109,23
Metal lunch shelter	1,602	sf	\$60.00	\$96,12
Commercial in-ground umbrellas, 10'-0" dia	3	ea	\$12,000.00	\$36,00
Trash enclosure	2	ea	\$15,000.00	\$30,00
Total - Site Paving, Structures & Landscaping 6 Utilities on Site				\$846,85
6 Utilities on Site				\$846,85
6 Utilities on Site Wet Utilities	31.960	cf	\$1.10	
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance	31,960	sf	\$1.10 \$1.65	\$35,15
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance	31,960	sf	\$1.65	\$35,15 \$52,73
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance			-	\$35,15 \$52,73
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance	31,960	sf	\$1.65	\$35,15 \$52,73
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance Sanitary systems, allowance	31,960	sf	\$1.65	\$35,15 \$52,73 \$38,35
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance Sanitary systems, allowance Site Electrical Service and Distribution	31,960 31,960	sf sf	\$1.65 \$1.20	\$35,15 \$52,73 \$38,35 \$43,51
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance Sanitary systems, allowance Site Electrical Service and Distribution Feeder, 100 amp, 3P, 4W, PVC	31,960 31,960 1,125	sf sf If	\$1.65 \$1.20 \$38.68	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> </ul> </li> </ul>	31,960 31,960 1,125 44	sf sf If If	\$1.65 \$1.20 \$38.68 \$68.41	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance Sanitary systems, allowance Site Electrical Service and Distribution Feeder, 100 amp, 3P, 4W, PVC Feeder, 200 amp, 3P, 4W, PVC Feeder, 400 amp, 3P, 4W, PVC	31,960 31,960 1,125 44 118	sf sf If If	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> <li>Feeder, 400 amp, 3P, 4W, PVC</li> <li>Conduit, 4" pvc</li> <li>Conduit, 5" pvc</li> </ul> </li> </ul>	31,960 31,960 1,125 44 118 110	sf sf If If If	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> <li>Feeder, 400 amp, 3P, 4W, PVC</li> <li>Conduit, 4" pvc</li> </ul> </li> </ul>	31,960 31,960 1,125 44 118 110 160	sf sf If If If If	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55 \$37.75	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04 \$4,72
6 Utilities on Site Wet Utilities Domestic / fire water systems, allowance Stormwater systems, allowance Sanitary systems, allowance Site Electrical Service and Distribution Feeder, 100 amp, 3P, 4W, PVC Feeder, 200 amp, 3P, 4W, PVC Feeder, 400 amp, 3P, 4W, PVC Conduit, 4" pvc Conduit, 5" pvc Utility TX Cast Concrete pad	31,960 31,960 1,125 44 118 110 160 1	sf sf If If If If ea	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55 \$37.75 \$4,727.87	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04 \$4,72 \$41,47
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> <li>Feeder, 400 amp, 3P, 4W, PVC</li> <li>Conduit, 4" pvc</li> <li>Conduit, 5" pvc</li> <li>Utility TX Cast Concrete pad</li> <li>Trenching, backfill and compaction</li> <li>Concrete encasement</li> </ul> </li> <li>Site Lighting and Lighting Controls</li> </ul>	31,960 31,960 1,125 44 118 110 160 1 475 40	sf sf If If If If If If ea	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55 \$37.75 \$4,727.87 \$87.32 \$254.79	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04 \$4,72 \$41,47 \$10,19
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> <li>Feeder, 400 amp, 3P, 4W, PVC</li> <li>Conduit, 4" pvc</li> <li>Conduit, 5" pvc</li> <li>Utility TX Cast Concrete pad</li> <li>Trenching, backfill and compaction</li> <li>Concrete encasement</li> </ul> </li> </ul>	31,960 31,960 1,125 44 118 110 160 1 475 40	sf sf If If If If ea If cy ea	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55 \$37.75 \$4,727.87 \$87.32	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04 \$4,72 \$41,47 \$10,19
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> <li>Feeder, 400 amp, 3P, 4W, PVC</li> <li>Conduit, 4" pvc</li> <li>Conduit, 5" pvc</li> <li>Utility TX Cast Concrete pad</li> <li>Trenching, backfill and compaction</li> <li>Concrete encasement</li> </ul> </li> <li>Site Lighting and Lighting Controls</li> </ul>	31,960 31,960 1,125 44 118 110 160 1 475 40 3 355	sf sf If If If If If cy	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55 \$37.75 \$4,727.87 \$87.32 \$254.79 \$5,955.83 \$7.25	\$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04 \$4,72 \$41,47 \$10,19 \$17,86
<ul> <li>6 Utilities on Site</li> <li>Wet Utilities <ul> <li>Domestic / fire water systems, allowance</li> <li>Stormwater systems, allowance</li> <li>Sanitary systems, allowance</li> </ul> </li> <li>Site Electrical Service and Distribution <ul> <li>Feeder, 100 amp, 3P, 4W, PVC</li> <li>Feeder, 200 amp, 3P, 4W, PVC</li> <li>Feeder, 400 amp, 3P, 4W, PVC</li> <li>Conduit, 4" pvc</li> <li>Conduit, 5" pvc</li> <li>Utility TX Cast Concrete pad</li> <li>Trenching, backfill and compaction</li> <li>Concrete encasement</li> </ul> </li> <li>Site Lighting and Lighting Controls <ul> <li>Type L1</li> </ul> </li> </ul>	31,960 31,960 1,125 44 118 110 160 1 475 40	sf sf If If If If ea If cy ea	\$1.65 \$1.20 \$38.68 \$68.41 \$153.17 \$25.55 \$37.75 \$4,727.87 \$87.32 \$254.79 \$5,955.83	\$846,85 \$35,15 \$52,73 \$38,35 \$43,51 \$3,01 \$18,07 \$2,81 \$6,04 \$4,72 \$41,47 \$10,19 \$17,86 \$2,57 \$1,34 \$1,12

lement	Quantity	Unit	Unit Cost	Total
Site Communications				
Conduit, 4" pvc	80	lf	\$25.55	\$2,04
Conduit, 2" pvc	40	lf	\$12.12	\$48
Pull box, 24x36x36-Cable	1	ea	\$2,363.48	\$2,36
Pull box, 30"x48"x36"-Telecommunication	1	ea	\$3,153.96	\$3,15
Site Electronic Safety and Security				
Conduit, 1" pvc-Fire alarm	150	lf	\$7.25	\$1,08
Conduit, 2" pvc-Security	814	lf	\$12.12	\$9,86
Pull box, 24x36x36-Security	9	ea	\$2,363.48	\$21,27
Trenching, backfill and compaction	740	lf	\$87.32	\$64,62
Total - Utilities on Site				\$383.88

New Modular Building

# SUMMARY - NEW MODULAR BUILDING

Element	Subtotal	Total		Cost / SF	Cost / SF
A) Shell (1-5)			\$319,250		\$33.26
1 Foundations	\$288,000		. ,	\$30.00	
2 Vertical Structure	+;			,	
3 Floor & Roof Structures					
4 Exterior Cladding	\$31,250	0		\$3.26	
5 Roofing and Waterproofing	, , ,			<b>1</b>	
B) Interiors (6-7)					
6 Interior Partitions, Doors and Glazing					
7 Floor, Wall and Ceiling Finishes					
C) Equipment and Vertical Transportation (8-9)			\$171,680		\$17.88
8 Function Equipment and Specialties	\$171,680		•••••	\$17.88	• • • • • •
9 Stairs and Vertical Transportation	<i> </i>	•		<b></b>	
D) Mechanical and Electrical (10-13)			\$393,064		\$40.94
10 Plumbing Systems	\$42,502		ψ000,004	\$4.43	φ+0.0+
11 Heating, Ventilation and Air Conditioning	\$40,80			\$4.25	
12 Electrical Lighting, Power and Communications	\$302,252			\$31.48	
13 Fire Protection Systems	\$7,500			\$0.78	
E) Site Construction (14-16)	φ7,500	0		φ0.70	
, , ,					
14 Site Preparation and Demolition					
15 Site Paving, Structures & Landscaping					
16 Utilities on Site					
Subtotal			\$883,994	-	\$92.08
General Conditions	6.00%	6	\$53,040		\$5.52
Subtotal			\$937,034	-	\$97.61
General Requirements	3.00%		\$28,111		\$2.93
Subtotal			\$965,145	_	\$100.54
Bonds & Insurance	2.00%	6	\$19,303		\$2.01
Subtotal			\$984,447	-	\$102.55
Contractor's Fee	5.00%	6	\$49,222		\$5.13
Subtotal		\$	1,033,670	-	\$107.67
Design Contingency	2.25%	6	\$23,258		\$2.42
Subtotal		\$	1,056,927	—	\$110.10
Escalation to MOC, 12/31/22	5.58%		\$58,985		\$6.14
Child Development Center Building - 9,600 SF Modular Building "EVOLVE", quoted by American Modular Systems, dated 10/4/21 (escalated)		\$4	4,300,000		\$447.92
TOTAL ESTIMATED CONSTRUCTION COST		\$!	5,415,913		\$564.16
Total Area	a <sup>.</sup> 9 600	0E			

Total Area:

9,600 SF

DETAIL ELEMENTS - NEW MODULA	R BUILDIN	IG		
Element	Quantity	Unit	Unit Cost	Total
1 Foundations				
New shallow concrete foundations New concrete slab on grade	9,600 9,600	sf sf	\$18.00 \$12.00	\$172,800 \$115,200
Total - Foundations				\$288,000
3 Floor & Roof Structures				
Roof structure by American Modular Systems, Inc.			Exclud	ed - By AMS
Total - Floor & Roof Structures				
4 Exterior Cladding				
Exterior envelope / walls / doors / glazing / finishes by American Modular Systems, Inc			Exclud	ed - By AMS
Custom circle / wave canopy, incl. steel framing, plates, connections, finishes	250	sf	\$125.00	\$31,250
Total - Exterior Cladding				\$31,250
5 Roofing and Waterproofing				
Roofing systems & roof specialties by American Modular Systems, Inc.			Exclud	ed - By AMS
Total - Roofing and Waterproofing				
6 Interior Partitions, Doors and Glazing				
Interior partitions, doors & glazing by American Modular Systems, Inc.			Exclud	ed - By AMS
Total - Interior Partitions, Doors and Glazing				
7 Floor, Wall and Ceiling Finishes				
Interior flooring, bases, wall finishes & ceilings by American Modular Systems, Inc.			Exclud	ed - By AMS
Total - Floor, Wall and Ceiling Finishes				
8 Function Equipment and Specialties				
Interior specialties & casework by American Modular Systems, Inc.			Exclud	ed - By AMS
Code signage Interior specialties - CFCI	9,600 9,600		\$0.80 \$2.50	\$7,680 \$24,000

#### Prepared by $C\overline{UMMING}$

DETAIL ELEMENTS - NEW MO		10		
ement	Quantity	Unit	Unit Cost	Total
Kitchen equipment, allowance per Webb FSD 6/21/21 (escalated)	1	ls	\$140,000.00	\$140,00
Total - Function Equipment and Specialties				\$171,68
Plumbing Systems				
Plumbing systems by American Modular Systems, Inc.			Exclud	led - By AN
General Plumbing Equipment				
Water heater, elec, point of use, 2.5 gal	5	ea	\$780.60	\$3,9
Backflow Preventer	1	ea	\$1,379.00	\$1,3 <sup>-</sup>
Grease interceptor	1	ea	\$2,743.00	\$2,7
Rough-ins				
Rough-in to refrigerator/freezer	3	ea	\$175.90	\$5
Domestic Cold Water				
3/4" pipe, cu type L, in bldg	35	lf	\$40.23	\$1,4
1" pipe, cu type L, in bldg	20	lf	\$44.72	\$8
1-1/4" pipe, cu type L, in bldg	15		\$44.97	\$6
1-1/2" pipe, cu type L, in bldg	50	lf	\$48.97	\$2,4
Domestic Hot Water				
3/4" pipe, cu type L, in bldg	80	lf	\$40.23	\$3,2
1" pipe, cu type L, in bldg	35	lf	\$44.72	\$1,5
1-1/4" pipe, cu type L, in bldg	25	lf	\$44.97	\$1,1
Pipe insulation, 3/4" pipe	80	lf	\$9.47	\$7
Pipe insulation, 1" pipe	35		\$9.91	\$3
Pipe insulation, 1-1/4" pipe	25	lf	\$12.04	\$3
Domestic Cold/Hot Water Connections				
Cold water rough-in at kitchen equipment	6	ea	\$356.20	\$2,1
Hot water rough-in at kitchen equipment	6	ea	\$457.90	\$2,7
Waste Piping				
2" pipe, ci, no-hub, below grade	30		\$29.50	\$8
3" pipe, ci, no-hub, below grade	25	lf	\$36.74	\$9
Trench excavate, backfill, compact	18	су	\$64.57	\$1,1
Sand bedding in trench	6	су	\$18.40	\$1
Vent Piping				
2" pipe, ci, no-hub, in bldg	50	lf	\$52.87	\$2,6
Vent through roof, 2"	1	ea	\$361.90	\$3
Waste/Vent Connections				
Direct waste rough-in at kitchen equipment	6	ea	\$1,028.00	\$6,1

DETAIL ELEMENTS - NEW MODULAR BUILDING						
Element	Quantity	Unit	Unit Cost	Total		
Miscellaneous Plumbing						
Test / clean plumbing	8	hr	\$123.71	\$990		
Start-up/check-out	8	hr	\$148.46	\$1,188		
Commissioning assist	8	hr	\$130.23	\$1,042		
Seismic bracing	556	sf	\$0.85	\$473		
Penetrations and firestopping for plumbing	556	sf	\$0.65	\$361		
Total - Plumbing Systems				\$42,502		
11 Heating, Ventilation and Air Conditioning						
HVAC systems by American Modular Systems, Inc.			Exclud	led - By AMS		
Air-Side Equipment						
MAU - (make-up air handling unit)	3,000	cfm	\$3.06	\$9,180		
Fans						
Kitchen exhaust fan	3,000	cfm	\$2.64	\$7,920		
VFD to fan, 1.5 hp	1	ea	\$835.20	\$835		
Air Distribution						
Ductwork	217	lbs	\$12.31	<u> </u>		
Ductwork, galv, self-fab'd Ductwork, 16 ga black steel, welded	235	lbs	\$12.31 \$14.38	\$2,675 \$3,379		
Duct insulation, wrap	150	sf	\$2.80	\$420		
Firemaster rated insulation (1 layer)	160	sf	\$30.64	\$4,902		
Miscellaneous						
Test / balance HVAC	16	hr	\$125.38	\$2,006		
Start-up/check-out	8	hr	\$113.98	\$912		
Commissioning assist	8	hr	\$113.98	\$912		
HVAC Controls						
DDC controls, makeup air unit	1	ea	\$1,278.00	\$1,278		
DDC controls, general exhaust fan	1	ea	\$1,278.00 \$5,111.00	\$1,278		
DDC controls, controls workstation tie-in	1	еа	\$5,111.00	\$5,111		
Total - Heating, Ventilation and Air Conditioning				\$40,809		
12 Electrical Lighting, Power and Communications						
Electrical systems by American Modular Systems, Inc.			Exclud	led - By AMS		
Electrical Systems						
Distribution Equipment						
Main switchboard, 600 amp, 120/208v, 3ph, 4w - Nema3R	1	ea	\$49,240.91	\$49,241		
			<b>A</b>	<b>.</b>		
General conditions / general requirements, incl. temp power, consumables,	9,600	sf	\$7.00	\$67,200		

indirect labor, testing/cx, etc.

## **DETAIL ELEMENTS - NEW MODULAR BUILDING**

Element	Quantity	Unit	Unit Cost	Total
Voice and Data system				
Tele/data outlet, 1 port	36	ea	\$107.69	\$3,877
Wireless access point	4	ea	\$358.97	\$1,436
MDF Cabinet, with power and grounding	1	ea	\$3,150.00	\$3,150
IDF wall mount cabinet	4	ea	\$2,543.16	\$10,173
J-hook support	144	ea	\$22.28	\$3,208
CAT-6, 4 pair 23 AWG, CMP	1,610	lf	\$1.51	\$2,430
Fiber optic, 24 strand, single mode	512	lf	\$3.32	\$1,701
Closed Circuit Television System				
Exterior wall mount camera	16	ea	\$2,382.25	\$38,116
Exterior camera on pole light	3	ea	\$2,251.75	\$6,755
CCTV wall mount, rough-in only	11	ea	\$61.90	\$681
DVR, 24TB storage	1	ea	\$15,040.18	\$15,040
Video matrix	1	ea	\$4,724.65	\$4,725
Conduit, 2" pvc	678	lf	\$12.12	\$8,214
Conduit, 1" emt	2,090	lf	\$10.88	\$22,742
CCTV cabling	3,135	lf	\$1.50	\$4,714
Access control system-Rough in only				
Card reader, rough in only	18	ea	\$163.04	\$2,935
Conduit, 1" emt	1,728	lf	\$10.88	\$18,803
Fire Alarm				
FA control panel	1	ea	\$5,116.98	\$5,117
FA annunciator panel	1	ea	\$2,930.00	\$2,930
FA power supply	1	ea	\$785.50	\$786
FA flow switch	1	ea	\$354.71	\$355
FA pull station	1	ea	\$167.68	\$168
FA tamper switch	1	ea	\$295.84	\$296
FA speaker strobe unit, ceiling mount	38	ea	\$255.10	\$9,694
FA speaker strobe unit, wall mount-WP	3	ea	\$379.39	\$1,138
FA monitor module	2	ea	\$224.19	\$448
Conduit, 3/4" emt	1,175	lf	\$9.20	\$10,807
Fire alarm cable rated, 4C	1,234	lf	\$4.36	\$5,374
Total - Electrical Lighting, Power and Communications				\$302,252
3 Fire Protection Systems				
Fire protection / sprinkler systems by American Modular Systems, Inc.			Exclud	ed - By AMS
Ansul fire protection system, allowance	1	ls	\$7,500.00	\$7,500
Total - Fire Protection Systems		_		\$7,500