# **KENSINGTON FIRE PROTECTION DISTRICT**



DATE:	October 13, 2021
TO:	Board of Directors Kensington Fire Protection District
RE:	Agenda Item 5c
	Public Safety Building Renovation - Progress Update

#### **Recommended Action**

Accept Report. Discuss and Direct Staff as needed.

#### Background

In the January 20, 2021 Strategic Planning Meeting, the first goal listed for the GM to achieve by the end of the year was "Significant progress on the building renovation project". The following progress update confirms the continuing priority of that goal.

Since the September Board of Director's meeting, the architecture and engineering design team completed a Schematic Design pricing package, which was then delivered to MicroEstimating, Inc. to produce a new cost estimate. It is important to understand that the work under this phase is far beyond the prior "conceptual plans" that the former architects produced between 2016 and 2019, which consisted of a few diagrammatic plan sheets. That scope was appropriate for very preliminary investigations, but was not able to provide the necessary detailed specifications required to understand the actual structural, mechanical, electrical, and engineering design, let alone to incorporate all the space requirements due to accessibility and functional needs. The prior conceptual plans were not based on laser-measured backgrounds, which was the first step in this Schematic Design phase, while the structural/MEP assumptions were only general and did not reflect an engaged study with the current building code and geotechnical recommendations. Note that the current code is the 2019 CA Building Code, so the prior conceptual work was started under the previous edition, and the old geotechnical recommendations from the 1990's were made more than seven code cycles ago.

The current Schematic Design phase set consists of (69) 24"x36" sheets and will continue to grow with more details as the project moves through Design Development and Construction Documents. The current set represents about 15% of the design/engineering team's required work. I have attached only the plan pages here, but the full set is available on the District's website at: <a href="https://www.kensingtonfire.org/public-safety-building">https://www.kensingtonfire.org/public-safety-building</a>

I will note that our team's Schematic Design work began with discussions on the seismic and structural demands to both remediate the building's problems and also to bring the building up to current Essential Service Facility standards. The latter is <u>not</u> an option but a requirement of doing the remediation work. I have included a set of diagrams that shows how extensive the structural work needs to be. In particular, see the page titled "New Structural Elements". The purple cylinders are new piers that will be installed to stop the continued downhill slide of the

building. The blue concrete slab with new grade beams will replace <u>half</u> of the building's existing slab and will tie the new piers and superstructure together. The orange vertical rectangle is the new elevator core. Interestingly, while the requirement for the elevator is triggered by the accessibility compliance (which in turn is required by the scope of seismic work), it is actually helping to create a keyway, or central structural element, for the rest of the components.

The green vertical rectangles are new shear walls to resist lateral seismic forces. Their location is facilitated by the new arrangement of the rooms on both floors, so the plan organization is actually directly tied to the seismic resistance. Finally, the yellow horizontal rectangles are the new framing for the floor and roof. In order to adequately brace the walls together, approximately half of the roof and half of the second floor must be removed and rebuilt. Since all of the above components are what is needed to "fix the problem" and remove the liability associated with building failure, the amount of demolition required is substantial and will include most of the existing front façade in order to provide access for all of the work.

As stated above, the scope of the structural remediation will trigger <u>all</u> of the other 2019 CA Building Code upgrades, including accessibility, mechanical, electrical, plumbing, CalGreen requirements, etc. There is <u>no</u> "partial" or "grandfathered" code compliance allowed given the extent of the seismic and demolition work. On the positive side, when construction is complete Kensington will finally have an Essential Services Facility equivalent to a new building in performance.

Once the structural scope was established, the design and engineering team developed schematics for the MEP systems and the civil engineering requirements for the associated sitework. All of this was then reviewed in a series of meetings with the estimator prior to producing the "Opinion of Probable Construction Cost" included here.

Parallel to the work above, I had calls with the Contra Costa County Planning and Building Department heads to understand the review process for permitting and to advocate for priority services. At this point, it appears we will be submitting for a "planning permit" first in order to have the second-floor deck enclosure approved. That process may take a few months and we only need the Schematic Design drawings to submit an application. Separately, the application for a "building permit" will not occur until the Construction Documents are complete which will be in mid-February. Now that I have more information from the County and the Design/Engineering team, I have updated the project schedule accordingly.

Another scope of my work has been to connect with the State Geologist, Steve Bohlen, regarding questions on the Alquist-Priolo Act. He promptly responded and arranged a meeting with Tim Dawson, Senior Engineering Geologist, CA Geological Survey, Seismic Hazards Assessment and Zonation. I met with Mr. Dawson and our geotechnical consultant, Catherine Ellis, at the PSB on 09/24/2021. We reviewed the existing conditions, the history of geotechnical reports, the current design approach, and the details of the Alquist-Priolo Act. He supports our approach to resolving the building's issues, but clarified that CGS only verifies mapping questions and leaves compliance with A-P to the permitting authority, i.e. Contra Costa County. He did explain that there are various interpretations of A-P with regards to compliance. After further discussions with Catherine Ellis, it is apparent that some former assumptions by the District on A-P compliance may be incorrect, or at least incomplete.

Specifically, A-P restricts building construction within 50' of identified faults, but in the case of the PSB, the apparent (and <u>not</u> verified) fault lies under the east parking lot retaining wall which is +/-43' away from the building face. Outside of the 50' zone, A-P does not restrict construction. Since the renovation plans do not propose any additional building toward the fault, and the work is constrained to the existing enclosure, the vast majority of which is outside the A-P zone, a number of questions have now arisen. For example:

Does A-P apply to the building at its current distance from the assumed fault line?

Since the only way to confirm the fault is to remove the retaining wall and trench across property lines, which would be prohibitively expensive, how is the A-P distance determined, since the assumed fault could be further from or closer to the building?

What will the County's position be and what is the process of any approval prior to the issuance of a building permit?

If A-P only applies to restricting building in the parking lot, is the District relieved of the 50% replacement cost limit? As noted above, the current scope of the Schematic Design drawings does not contain any "discretionary" elements. There is very little we can really "value-engineer" out. Therefore, any reduction in scope driven by A-P limits may be against the building code and may reduce seismic safety, which is the opposite intention of A-P. Preliminarily, the County agrees this does not make sense.

None of the above questions affect the design/engineering approach necessary to fix the building's problems. They only influence how the County will process our application. Unfortunately, I have been told by the senior department officials that they "do not have experience with the A-P Act" and, given the circumstances of our renovation, they will "need to determine an approach." That said, they agree that the preeminent goal should be to allow the District to achieve a safe and code-compliant building. I will be having further discussions with the County over the next few weeks to proactively confirm the review process.

Since last month, other work related to the project included the following items:

I reviewed the Schematic Design plans with Chief Pigoni. His letter is attached here. I am pleased that he agrees the new layout provides an efficient compromise given the inability to increase the total area of the building and other limiting factors.

I shared the plans with the firefighting staff and will be engaged in further reviews as we get to more of the relevant details for their quarters. So far, the response has been very positive and they are glad we are making progress, but more feedback is needed.

Per my last update, two architecture firms presented proposals and were interviewed for the Temporary Facilities Project. Both firms were well qualified but Kappe Architects was selected for the project. They anticipate starting work by the end of the month. The design/engineering phases of the Temporary Facility Project are identical to those of the renovation project, so we are managing two significant projects, not just one. Obviously, both projects overlap with the work of the grant writer and municipal advisors, so I will continue to coordinate all the consultants throughout the design/engineering process.

Finally, with updated schedule information from the architects/engineers of both the renovation and temporary facilities projects, combined with permit review estimates by the County, and taking into consideration potential grant award dates, I am able to present a more comprehensive estimate on the overall timeline, below. Please note that this estimate is subject to many variables that may change and affect individual critical path items:

Target	Project	Benchmark
10/20/2021	PSB Renovation	Planning Permit Submittal
11/05/2021	PSB Renovation	Design Development Updated Pricing Estimate
12/03/2021	PSB Renovation	Design Development Updated Pricing Estimate
01/03/2022	Temp Facility	Design/Build Bid Out
02/07/2022	Temp Facility	Bid Opening
02/16/2022	Temp Facility	Bid Award
02/18/2022	PSB Renovation	Construction Documents Complete
02/21/2022	PSB Renovation	Building Permit Submittal
04/18/2022	Temp Facility	Permit Approval (City of El Cerrito)
04/25/2022	PSB Renovation	Building Permit Approval (Contra Costa County)
04/25/2022	Temp Facility	Construction Starts
05/09/2022	PSB Renovation	Bid Package Out
06/13/2022	PSB Renovation	Bid Opening
07/13/2022	PSB Renovation	Bid Award
08/01/2022	PSB Renovation	FEMA HMGP award notification
08/22/2022	Temp Facility	Complete / Relocation Begins
09/05/2022	Temp Facility	Relocation Complete
09/06/2022	PSB Renovation	Construction Starts
	PSB Renovation	Est Construction Schedule = 15 Months
12/11/2023	PSB Renovation	Construction Complete
01/02/2024	PSB Renovation	Move-In Complete
01/03/2024	Temp Facility	Demolition / Site Restoration Begins

The following documents are attached to this report for your review:

- \_ Fire Chief Comments on Proposed Design
- \_ Scope of Work Diagrams
- \_ Schematic Design Plans

(Note: Full set is available at: https://www.kensingtonfire.org/public-safety-building)

- \_ Renovation Cost Estimate
- \_ Architect's Look-Ahead Schedule



EL CERRITO-KENSINGTON FIRE DEPARTMENT 10900 San Pablo Avenue • El Cerrito • CA • 94530 (510) 215-4450 • FAX (510) 232-4917



**DATE:** October 7, 2021

**TO:** Bill Hansell: General Manager

**FROM:** Michael Pigoni: Fire Chief

# **RE:** Proposed Design Comments

Thank you for the updated proposed station design concepts that were provided by Marjang Architecture. In reviewing these new floor layouts, most of the concerns and needs for the proper and safe operation of this building as a fire station that were noted in my January 7<sup>th</sup>, 2021 review of the prior joint-occupancy plan have been addressed. These include the following areas:

- 1. **Conference Room:** The conference room has been revised and enlarged so that it will provide an on-site location as Department Operation Center in the event of a large incident, as well as for regular Board and Committee meetings. It is also large enough to host training classes such as CPR and/or First Aid for the public. The entrance from the street maintains the station's security and allows the room to be used by other public groups for small meetings, and for the fire staff to meet vendors without bringing them into the secure areas of the building.
- 2. Apparatus Bay: While there is still a preference to maintain the third apparatus bay for reasons noted before, this design is a compromise that addresses firefighter health and safety by providing a decontamination area and proper equipment for cleaning personal protective equipment. By maintaining the third rollup door, it still allows access to the prior bay for other equipment maintenance needs and to place apparatus back in service after a call.
- **3. Kitchen:** The kitchen has been maintained in its current location and the redesigned open space is an improvement that provides more room, mobility, and code compliance. We would like to explore the possibility of an exit door to the parking lot from this room, but at this point, the design meets the needs of the Fire Department.
- 4. Bedrooms: The bedrooms have been redesigned to accommodate two beds in each room as well as locker space and room for a desk or work station for quiet study. The new bathrooms are more functional and code compliant. There is still a preference for an additional dorm to meet increased staffing needs, but it is agreed that there is not enough room to accommodate this request. The removal of the Captain's office from the bedrooms is a positive design change and, overall, this layout is acceptable.
- 5. Captain's Office: The need for a separate office space for the captain has been designed in to the proposed plans and is acceptable.
- 6. Crew Office Space: The need for office/report /study area for the crew has been addressed and is acceptable.



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- 7. Workout Room: The new location for the exercise room is an improvement and being located adjacent to the parking lot allows for personnel to use the larger work out equipment that is stored outside without having to walk through the station.
- 8. Radios: The exact areas for the radios and printers still needs to be worked out, but there are a number of acceptable locations that can accommodate both. There are no issues with this need.
- **9. Historical Display/Museum:** While the current plan does not show the display case location, there are ample walls that can be designed for display cases to show off the Kensington Fire history and pay tribute to those that set the groundwork for the community's fire protection.
- 10. Restrooms: The concerns for restrooms on both levels has been addressed and is acceptable.
- 11. Parking: As a dedicated fire station, employee parking is finally addressed in this plan.
- **12. Ballistic Protection:** As a dedicated fire station, there is no need for the prior concern regarding ballistic protection from police areas.

It is notable that a lot of thought has been put into this proposed design and is appreciated by the Fire Department and the labor group. The Fire Department supports this design and looks forward to fine tuning the final plans.

Respectfully,

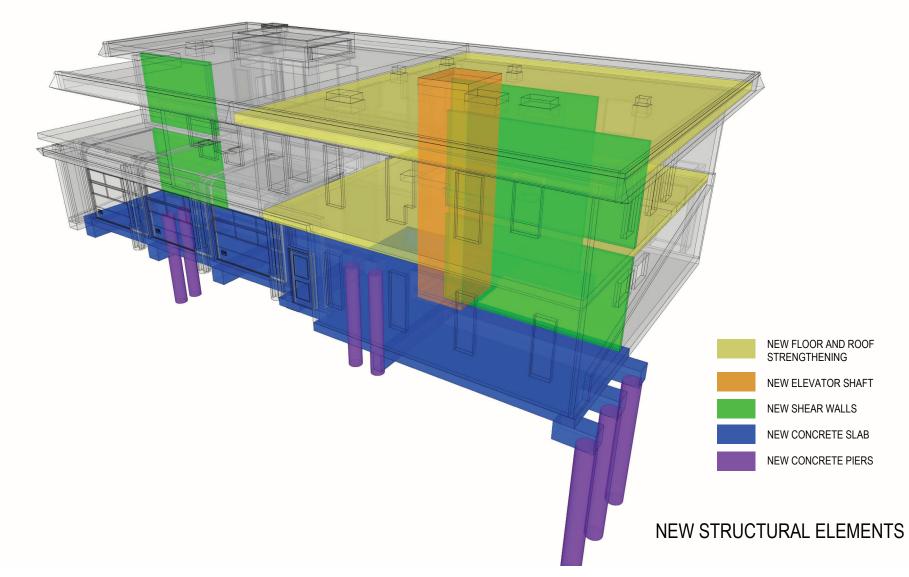
Michael Pigoni Fire Chief El Cerrito – Kensington Fire Department



# KENSINGTON PUBLIC SAFETY BUILDING



# EXISTING BUILDING ELEMENTS TO BE REMOVED



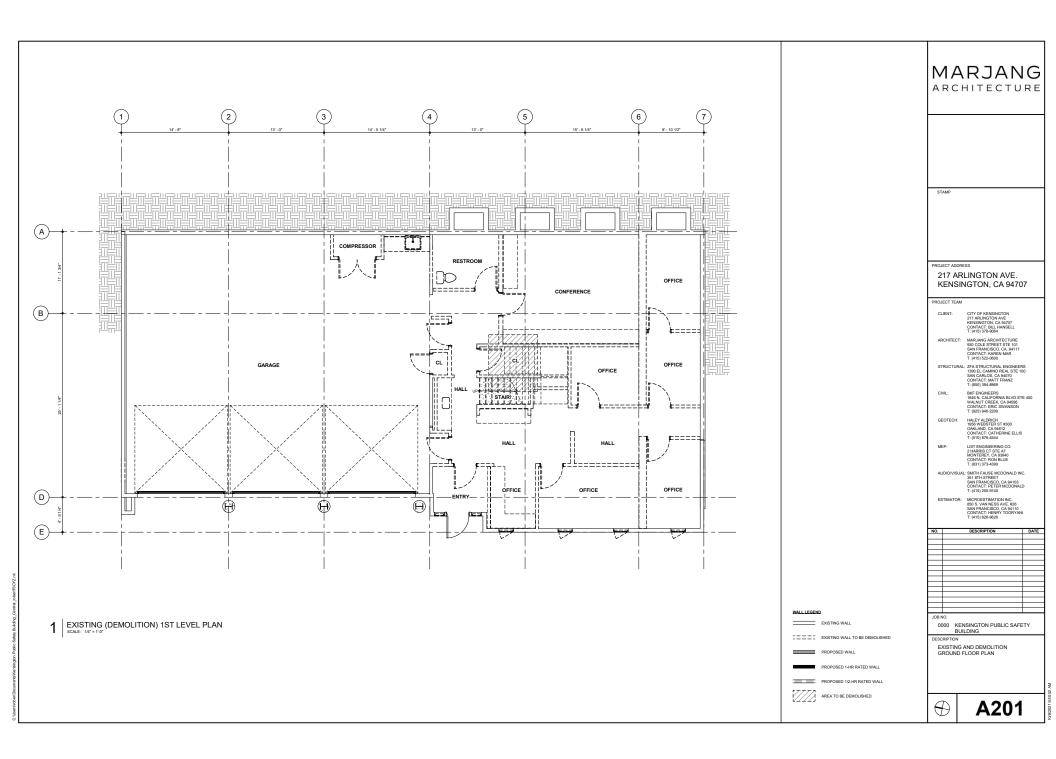
#### KENSINGTON PUBLIC SAFETY BUILDING

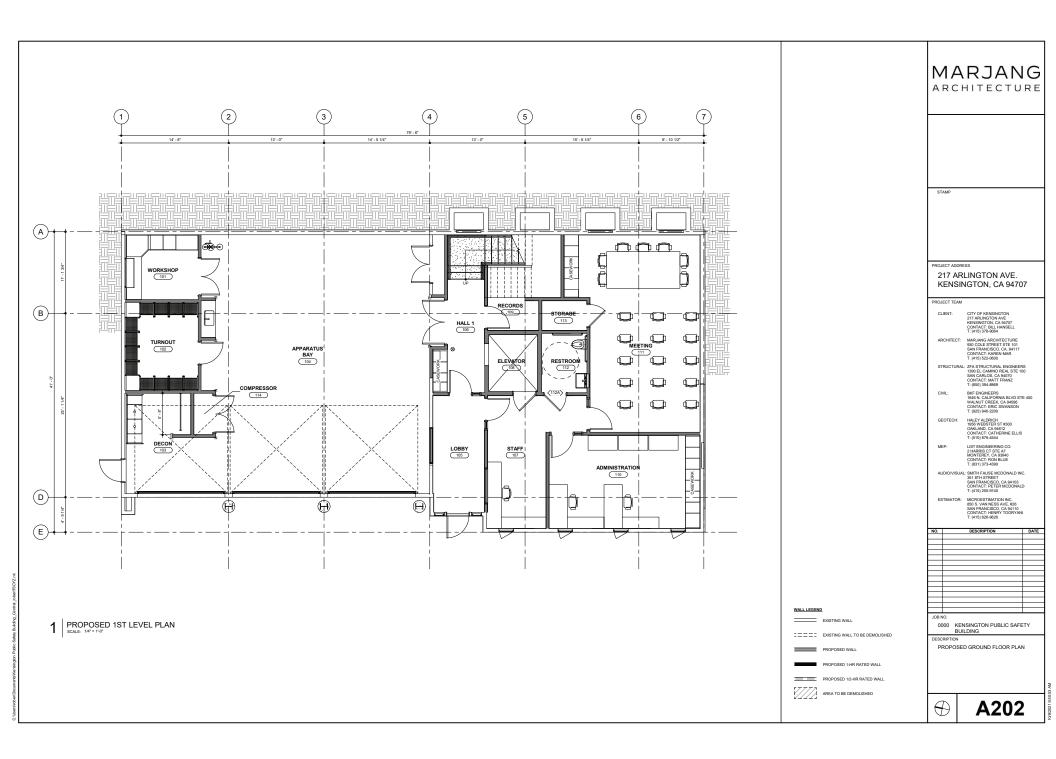
# KENSINGTON PUBLIC SAFETY BUILDING

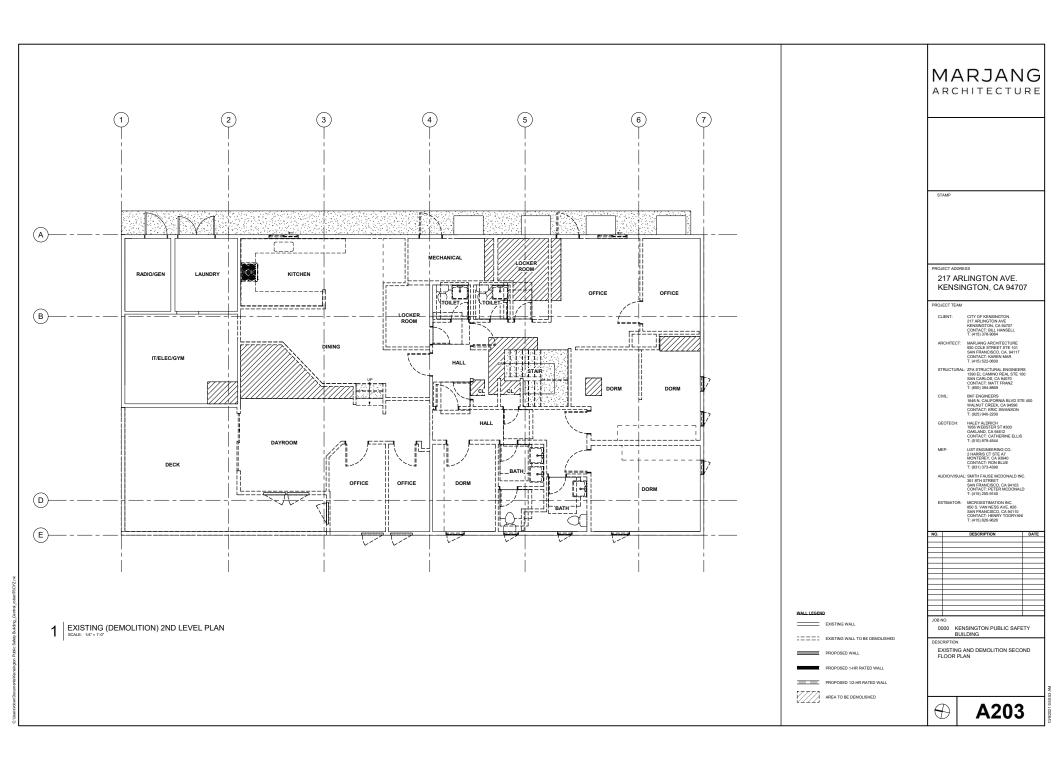


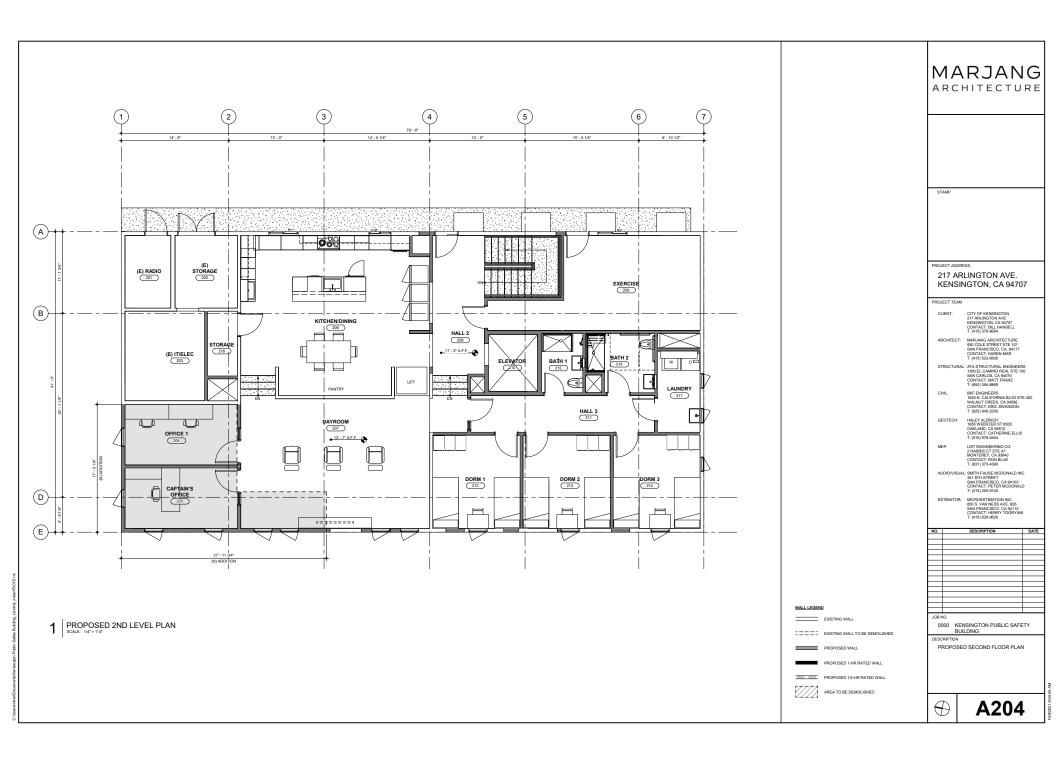
# NEW ARCHITECTURAL ELEMENTS











# **Opinion of Probable Construction Cost**

Cost Estimate Report Dated 10-07-2021

# Kensington Public Safety Building Renovation 217 Arlington Avenue Kensington, CA 94707



Prepared By:



850 South Van Ness Avenue, Suite #26, San Francisco, CA 94110 O (415) 826-9626 www.microestimating.com



Based on Preliminary Schematic Pricing Set Design Dated 09/27/21

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# PROJECT CONTACT INFORMATION

# Based on Preliminary Schematic Pricing Set Design Dated 09/27/21

# Prepared for:

# **Kensington Fire Protection District**

217 Arlington Avenue, Kensington, CA 94707 General Manager: Bill Hansell Email: bhansell@kensingtonfire.org Phone: (415) 378-9064

# Prepared by:

# **MicroEstimating Inc.**

Preconstruction Services Consulting 850 S. Van Ness Street, Suite 26, San Francisco, CA 94110 3055 Alvarado Street, San Leandro, CA 94577 Attention: Henry Tooryani, CPE, LEED AP Email: htooryani@microestimating.com Phone: 415-826-9626 (O) 925-989-5556 (M) Certified Professional Estimator Active General Contractor License A & B

# Architect:

#### MarJang Architecture

930 Cole Street, #101, San Francisco, CA 94117 (415) 522-0600 Architect: Karen Mar Email: karen@marjang.com Phone: (415) 522-0600 x1001 Mobile: (415) 516-3454 Snr. Designer/Job Captain: Robert Soo Hoo Email: robert@marjang.com Phone: (650) 394-8869 x302 Mobile: (415) 516-3454 Designer: Khristine Melendez khristine@marjang.com Phone: (415) 522-0600 x1004

# Structural Engineer:

ZFA Structural Engineers 1390 El Camino Real, Suite 100, San Carlos, CA 94070 (650) 394-8869 Associate Principal / Lead Structural Engr. mattf@zfa.com Phone: (650) 394-8869 x205 Mobile: (805) 748-9803 Senior Associate: Steve R. Patton Email: stevep@zfa.com Phone: (650) 394-8869 x302 Engineer: Jamie Brownell jamieb@zfa.com Phone: (650) 394-8869 x309

# **MEP Consultant:**

List Engineering Company 2 Harris Court, Suite A7, Monterey CA 93940 (831) 373-4390 MEOR: Ron M. Blue Email: ron@listengineering.com Phone: (831) 373-4390 x1 Mobile: (831) 917-9870 Proj. Mechanical Engr: Lettie Tang Email: lettie@listengineering.com Phone: (831) 373-4390 x6 EEOR: Paul Miller Email: paul@engent.com Phone: (510) 263-1522

# **Goetechnical Engineer:**

Haley Aldrich 1956 Webster Street, #300, Oakland CA 94612 Phone: (510) 879-4544 Senior Asssociate: Catherine H. Ellis Email: cellis@haleyaldrich.com Phone: (925) 949-4407 Mobile: (971) 277-8945

# **Civil Engineer:**

BKF Engineers 1646 N. California Boulevard, Suite 400, Walnut Creek, CA 94596 Phone: (925) 940-2200 Asssociate: Eric Swanson Email: eswanson@bkf.com Mobile: (925) 940-2206 Sr. Project Engineer: Keith Palmer Email: kpalmer@bkf.com Mobile: (925) 940-2232

# **AV Consultants:**

SFM Inc. 351 8th Street, San Francisco, CA 94103 Phone: (415) 826-9626 Project Manager: Peter A. McDonald Email: peter@smfi.com Phone: (415) 255-9140

Kensington Public Safety Building Renovation	Micr a precor	oEstimating Inc.			
Based on Preliminary Schematic Pricing Set Design Dated	Based on Preliminary Schematic Pricing Set Design Dated 09/27/21				
Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF			
Description			Cost/GSF	Group Extension	
Gross Area	6,133	SF			
Enclosed Area	6,133	SF			
Foot Print Area	2,898	SF			
Gross Wall Area	3,060	SF			
Windows or Glazing Area	222	SF			
Roof Area - Flat	3,745	SF			
Interior Partition Length	397	LF			

Kensington Public Safety Building Renovation	MicroEstimating Inc. a preconstruction services company
Based on Preliminary Schematic Pricing Set Design Dated 09/27/21	Draft Estimate Date: 10/07/2021
Ground Street Level 2,871 SF <u>Second Level</u> <u>3,262</u> <u>SF</u> Total Gross Area 6,133 SF	
Description	Cost/GSF Group Extension
EXECUTIVE SUMMARY REPORT	
RENOVATION COST	\$ 915.99 \$ 5,617,778
SITE WORK COST	\$ 279,932
RENOVATION + SITEWORK	\$ 961.64 \$ 5,897,710

Kensington Put	olic Safety Building
Renovation	



				* *
Based on Preliminary Schematic Pricing Set Design Dated 09/27/21 Ground Street Level 2,871 SF	Draft Estir	nate Date:	10/07/	2021
Second Level 3,262 SF				
Total Gross Area 6,133 SF				
Description	C	Cost/GSF	Grou	p Extension
Division 01 - GENERAL REQUIREMENTS		N/A	Se	e Indirect
Division 02 - EXISTING CONDITIONS	\$	31.67	\$	194,251
Division 03 - CONCRETE	\$	55.72	\$	341,742
Division 04 - MASONRY				NIC
Division 05 - METALS	\$	13.54	\$	83,071
Division 06 - WOOD AND PLASTICS	\$	76.50	\$	469,157
Division 07 - THERMAL AND MOISTURE PROTECTION	\$	38.06	\$	233,447
Division 08 - OPENINGS	\$	25.95	\$	159,141
Division 09 - FINISHES	\$	54.16	\$	332,146
Division 10 - SPECIALTIES	\$	9.68	\$	59,359
Division 11 - EQUIPMENT	\$	8.15	\$	50,000
Division 12 - FURNISHINGS	\$	19.22	\$	117,850
Division 13 - SPECIAL CONSTRUCTION				N/A
Division 14 - CONVEYING SYSTEMS	\$	24.46	\$	150,000
Division 21 - FIRE SUPPRESSION	\$	10.00	\$	61,330
Division 22 - PLUMBING	\$	26.13	\$	160,250
Division 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)	\$	112.28	\$	688,620
Division 26 - ELECTRICAL	\$	45.53	\$	279,259
Division 27 - COMMUNICATION	\$	20.36	\$	124,895
Division 28 - ELECTRONIC SAFETY AND SECURITY	\$	17.75	\$	108,852
Division 33 - UTILITIES	\$	7.84	\$	48,100
SUBTOTAL OF DIRECT COST BEFORE CONTINGENCY	\$	597.01	\$	3,661,470
CONTINGENCIES (DESIGN & ESTIMATING) 10.	.00%		\$	366,147
TOTAL DIRECT TRADE COST INCLUDING CONTINGENCY			\$	4,027,617
INDIRECT COST				

Kensington Public Safety Building Renovation			r	Micr a preco	<b>roEst</b>	imating Inc.
Based on Preliminary Schematic Pricing Set Design Dated 09/27/21		Draft	Estim	ate Date:	10/0	7/2021
Ground Street Level2,871Second Level3,262Total Gross Area6,133	SF <u>SF</u> SF					
Description			C	ost/GSF	Gro	oup Extension
GENERAL CONDITIONS and GR		15.00%			\$	604,143
OFFICE OVERHEAD/GENERAL CONTRACTOR FEE		10.00%			\$	463,176
BOND AND INSURANCE		2.00%			\$	101,899
TOTAL COST BEFORE ESCALATION					\$	5,196,835
ESCALATION TO MID- POINT OF CONSTRUCTION		8.10%			\$	420,944
TOTAL CONSTRUCTION COST WITHOUT OWNER'S (FEE/PM/DELIVE	RY) COS	ST	\$	915.99	\$	5,617,778

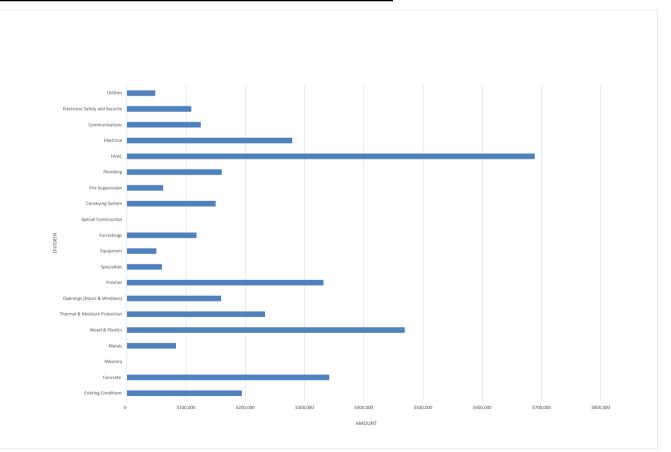
Based on Preliminary Schematic Pricing Set Design Dated 09/27/21

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Estimate Date:

Building Cost Breakdown	Amo	ount
General Requirements	See	e Indirect
Existing Conditions	\$	194,251
Concrete	\$	341,742
Masonry		NIC
Metals	\$	83,071
Wood & Plastics	\$	469,157
Thermal & Moisture Protection	\$	233,447
Openings (Doors & Windows)	\$	159,141
Finishes	\$	332,146
Specialties	\$	59,359
Equipment	\$	50,000
Furnishings	\$	117,850
Special Construction		N/A
Conveying System	\$	150,000
Fire Suppression	\$	61,330
Plumbing	\$	160,250
HVAC	\$	688,620
Electrical	\$	279,259
Communications	\$	124,895
Electronic Safety and Security	\$	108,852
Utilities	\$	48,100
Total Trades Cost	\$	3,661,470
Total Indirect Cost	\$	1,956,308
Total Construction Cost	\$	5,617,778



	Kensington Public Safety Building Renovation			ſ	Microb a preconstr	<b>Estim</b> uction s	ating Inc. ervices company
Based on	Preliminary Schematic Pricing Set Design Dated 09/27/2	21		Draft	Estimate Date:	10/0	7/2021
	Second Level 3,2	<u> 262</u>	SF <u>SF</u> SF				
	Description Quant	tity l	Unit	Unit Cost	Extension	E	Group Extension
	TRADE ESTIMATE						
Div. 01	GENERAL REQUIREMENTS						
01 91 13	General Commissioning Requirements					See	Indirect Cost
	Division 01 - GENERAL REQUIREMENTS					Se	e Indirect
Div. 02	EXISTING CONDITIONS					_	
02 40 00 02 50 00	Hazardous Waste Removal Building Demolition					\$ \$	37,656 156,595
	Division 02 - EXISTING CONDITIONS					\$	194,251
Div. 03	CONCRETE						
03 00 00	Special Foundation					\$	115,450
03 00 00	Footings					\$	44,040
03 00 00	Walls					\$	31,550
03 00 00 03 50 00	Slab On Grade Underpinning & Shoring					\$ \$	99,140 27,900
03 35 11	Densified Polished Sealed Concrete - PC-1					Ψ \$	16,500
03 35 11	Sealed Concrete - SC-1					\$	7,162
	Division 03 - CONCRETE					\$	341,742
Div. 04	MASONRY						
04 10 00	Masonry		_			_	NIC
	Division 04 - MASONRY					\$	-
Div. 05	METALS						
05 100 00 05 50 100	Stair Construction					\$	51,250
05 50 100	Miscellaneous Stainless Steel					\$ \$	25,071 6,750
	Division 05 - METALS					\$	83,071
Div. 06	WOOD & PLASTICS						
06 11 00	Wood Framing					\$	197,854
06 11 00	Ceiling Joists					\$	70,128
06 11 00	Wall Strengthened Shear Walls					\$	182,416
06 40 53 06 41 00	Misc. Carpentry Architectural Wood Casework (Framing and Backing)					\$ \$	13,509 5,250
	Division 06 - WOOD & PLASTICS					φ \$	469,157
Div. 07	THERMAL AND MOISTURE PROTECTION						
07 30 00	Roof Coverings					\$	91,000
07 50 00	Flashing & Sheet Metal					\$	18,725
07 75 00	Exterior Wall					\$	72,190
07 75 00 07 75 00	Exterior Soffit					\$ \$	18,000 9,000
07 90 00	Enclosure to (E) Exterior Deck Miscellaneous					ъ \$	9,000 24,532
						Ŷ	21,002

	Kensington Public Safety Building Renovation			MicroEstimating Inc. a preconstruction services company			
Based or	Preliminary Schematic Pricing Set Design Date	ed 09/27/21		Draft	Estimate Date:	10/07	7/2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF				
	Description	Quantity	Unit	Unit Cost	Extension	E	Group xtension
	Division 07 - THERMAL AND MOISTURE PRO	TECTION				\$	233,447
Div. 08	OPENINGS						
08 11 13 08 20 00 08 33 00 08 31 16 08 51 00	Hollow Metal Doors & Frames Wood and Plastic Doors Overhead Doors Access Panels and Frames Metal Windows					\$ \$ \$ \$	31,700 28,400 10,000 2,500
08 51 00 08 60 00 08 71 00	Skylight Door Hardware					\$ \$ \$	39,091 2,100 45,350
	Division 08 - OPENINGS					\$	159,141
<b>Div. 09</b> 09 29 00 09 51 13 09 60 00	FINISHES Gypsum Board Acoustical Panel Ceilings Flooring					\$ \$ \$	164,648 20,952 1,440
09 83 00 09 60 00 09 30 00 09 65 00	Acoustic Finishes Bases Porcelain Tile Flooring - TL-3 Static Dissipative Tile - 1/8" - SDT-1					\$ \$ \$ \$	4,800 7,810 33,175 4,959
09 65 00 09 65 00 09 68 00 09 91 23	Resilient Athletic Flooring - RR-1 Resilient Flooring - RF-1 Carpet - CP-1 Interior Paint					\$ \$ \$ \$	3,584 18,088 15,478 57,211
	Division 09 - FINISHES					\$	332,146
Div. 10	SPECIALTIES						
10 14 00 10 26 12 10 21 16 10 28 00 10 40 00 10 50 00	Signage Wall Protection and Corner Guards Compartments Toilet and Bath Accessories Safety Specialties Storage					\$ \$ \$ \$ \$	18,399 5,000 10,700 3,310 8,000 13,950
	Division 10 - SPECIALTIES					\$	59,359
<b>Div. 11</b> 11 13 00	EQUIPMENT Commercial Equipment					\$	50,000
	Division 11 - EQUIPMENT					\$	50,000
<b>Div. 12</b> 12 40 00 12 36 00 12 36 00 12 40 00	FURNISHINGS Moveable Furnishings Casework Countertops Furnishings and Accessories					\$ \$ \$	30,000 63,800 16,250 N/A
12 48 00 12 21 23	Rugs and Mats Roll Down Blinds - BL-1					\$ \$	1,500 6,300
	Division 12 - FURNISHINGS					\$	117,850

	Kensington Public Safety Building Renovation Apreconst	Estim	ating Inc. services company
Based on	Preliminary Schematic Pricing Set Design Dated 09/27/21 Draft Estimate Date:	10/0	7/2021
	Ground Street Level 2,871 SF <u>Second Level</u> 3,262 <u>SF</u> Total Gross Area 6,133 SF		
	Description Quantity Unit Unit Cost Extension	E	Group Extension
Div. 13	SPECIAL CONSTRUCTION		
13 00 00	Special Construction		N/A
	Division 13 - SPECIAL CONSTRUCTION	\$	-
Div. 14	CONVEYING SYSTEMS		
14 00 00	Elevator and Lift	\$	150,000
	Division 14 - CONVEYING SYSTEMS	\$	150,000
Div. 21	FIRE SUPPRESSION		
21 00 00	Fire Suppression	\$	61,330
	Division 21 - FIRE SUPPRESSION	\$	61,330
Div. 22	PLUMBING		
22 02 00	Plumbing	\$	160,250
	Division 22 - PLUMBING	\$	160,250
Div. 23	HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)		
23 00 00	HVAC	\$	688,620
	Division 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)	\$	688,620
Div. 26	ELECTRICAL		
26 00 00	Electrical	\$	279,259
	Division 26 - ELECTRICAL	\$	279,259
Div. 27	COMMUNICATIONS		
27 00 00	Communications	\$	124,895
	Division 27 - Communications	\$	124,895
Div. 28	ELECTRONIC SAFETY AND SECURITY		
28 00 00	Security and life safety	\$	108,852
	Division 28 - ELECTRONIC SAFETY AND SECURITY	\$	108,852
Div. 33	UTILITIES		
33 00 00	Electrical Site Utilities	\$	48,100
	Division 33 - UTILITIES	\$	48,100
	SUBTOTAL OF DIRECT CONSTRUCTION COST	\$	3,661,470

	Kensington Public Safety Build	ling Renovation					n			ating Inc. services company
Based or	n Preliminary Schematic Pricing	Set Design Dated 09/27/21				Dra	aft Es	stimate Date:	10/07	7/2021
		Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Descripti	on	Quantity	Unit		Unit Cost		Extension	E	Group xtension
Div. 01	GENERAL REQUIREMENTS									
01 91 13	General Commissioning Require	ements						5	See In	direct Cost
	Division 01 - GENERAL REQUIR	EMENTS						\$	See In	direct Cost
Div. 02	EXISTING CONDITIONS									
02 40 00	Hazardous Waste Removal				\$	6.14			\$	37,656
	Foremen		48	MHRS	\$	137.61		6,605		
	Laborer - 3 Ea. Equipment		144 48	MHRS MHRS	\$ \$	121.70 50.00	\$ \$	17,525 2,400		
	Temporary Protections & End		1	LS	\$	4,850.00	\$	4,850		
	Subcontractor's Contractor C	H&P	20%		\$	31,380.08	\$	6,276		
02 50 00	Building Demolition								\$	49,632
	First Floor		0.074	05	¢	F 00	¢	44.055		
	Remove Floor Finishes Remove Ceilings		2,871 2,871	SF SF	\$ \$	5.00 3.00	\$ \$	14,355 8,613		
	Slab Demolition for Footings/Tr	enching for Utilities	2,071	LS	\$	10,000.00	\$	10,000		
	Remove the Stairs with 14 Step		1	EA	\$	3,920.00	\$	3,920		
	Remove Single Door		12	EA	\$	121.00	\$	1,452		
	Remove Double Door Remove Walls/Partitions		1 215	EA LF	\$ \$	242.00 50.00	\$ \$	242 10,750		
	Remove Casework at Office		215 12	LF	ֆ \$	25.00	э \$	300		
	Remove Plumbing Fixtures		.=		Ŷ			ded in Plumbir	ng	
	Remove Mechanical Items							ded in Plumbir	-	
	Remove Electrical Devices					l	Inclu	ded in Plumbir	ng	
	Second Floor								\$	58,229
	Remove Floor Finishes		3,262	SF	\$	5.00	\$	16,310		
	Remove Ceilings Remove of Second Floor Fram	20	3,262 1,500	SF SF	\$ \$	3.00 5.00	\$ \$	9,786 7,500		
	Remove Stairs with 9 Steps	ng	1,500	EA	φ \$	2,520.00	\$	2,520		
	Remove Stairs with 2 Steps		1	EA	\$	560.00	\$	560		
	Remove Single Door		18	EA	\$	121.00	\$	2,178		
	Remove Walls/Partitions		330	LF	\$	50.00	\$	16,500		
	Remove Casework Remove Appliance In Kitchen		67 1	LF LS	\$ \$	25.00 1,200.00	\$ \$	1,675 1,200		
	Remove Plumbing Fixtures		1	20	Ψ			ded in Plumbir	na	
	Remove Mechanical Items							ded in Plumbir		
	Remove Electrical Devices						Inclu	ded in Plumbir	ng	
	Exterior Building Demolition								\$	48,734
	Demo And Remove Window	Glazing	222	SF	\$	30.00	\$	6,660	•	,
	Remove Cement Board Sidir	g at West	619	SF	\$	11.00	\$	6,809		
	Remove Cement Board Sidir	g at Deck West & North	421	SF	\$	11.00	\$	4,634		
	Remove Skylights at Roof Remove Parapet at Roof		7 33	EA LF	\$ \$	250.00 50.00	\$ \$	1,750 1,650		
	Remove Eave Fascia at Roo	f	15	SF	\$	5.00	\$	75		
	Remove of Roofing Framing		1,800	SF	\$	5.00	\$	9,000		
	Demo Roof Area for Elevator	Overhead Shaft	50	SF	\$	15.00	\$	750		
	Remove Exterior Doors		2	EA	\$	250.00	\$	500		
	Remove Sliding Door Demo Concrete Slab Area Fo	or Elevator Pit	1 51	EA SF	\$ \$	1,500.00 20.00	\$ \$	1,500 1,020		
	Demo Exterior Deck Guard V		45	LF	ф \$	15.00	\$	675		
	Demo & Remove Wall at Nor		33	LF	\$	50.00	\$	1,650		
	Demo & Remove Roofing Sy	stem	3,446	SF	\$	3.50	\$	12,061		
	Division 02 - EXISTING CONDIT						\$	194,251	\$	194,251





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Daseu o	n Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	ft Es	stimate Date:	10/0	//2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit		Unit Cost		Extension	E	Group extension
Div. 03	CONCRETE								
3 00 00	Special Foundation	0	EA	¢	2,000.00	¢	16.000	\$	115,4
	Mobilization and Demobilization Testing	8 8	EA	\$ \$	2,000.00	\$ \$	16,000 10,000		
	Interior 24" Drilled Piers with Low Overhead	4	EA	φ \$	12,500.00	\$	50,000		
	Interior 24" Drilled Piers	1	EA	\$	12,000.00	\$	12,000		
	Exterior 24" Drilled Piers	3	EA	\$	9,150.00	\$	27,450		
								•	
03 00 00	Footings Footings - 140 LF	22	CY	\$	850.00	\$	18,700	\$	44,0
	Pier Caps	5	CY	ֆ \$	2,000.00	э \$	10,000		
	Rebar 110#/CY	2,420	LBS	φ \$	2,000.00	φ \$	4,840		
	Drilled Dowels at & Inspections - All (E) Slab Edges - 140 LF			Ψ	2.00	Ψ	4,040		
	& 12" C/C	140	EA	\$	75.00	\$	10,500		
02 00 00	Walls							¢	31,5
03 00 00	Elevator Pit Walls	340	SF	\$	75.00	\$	25,500	\$	31,5
	Rebar	1,713	LBS	ֆ \$	2.00	φ \$	3,425		
						·			
	Drilled Dowels at Footings & Piers Cap	35	EA	\$	75.00	\$	2,625		
03 00 00	Slab On Grade							\$	99,1
03 00 00	9" Thick SOG at Apparatus Area	636	SF	\$	50.00	\$	31,800	φ	55,1
	8" Thick SOG at Office Area	601	SF	\$	40.00	\$	24,040		
	14" Elevator Pit	85	SF	\$	100.00	\$	8,500		
	Rebar 100#/CY	4,200	LBS	\$	2.00	\$	8,400		
	Drilled Dowels at Slab on Grade	352	EA	\$	75.00	\$	26,400		
03 50 00	Underpinning & Shoring							\$	27,9
00 00 00	Foundation Underpinning/ Labor & Equipment	60	MHRS	\$	250.00	\$	15,000	Ψ	21,0
	Shore Under Girders/ Labor & Equipment	24	MHRS	\$	225.00	\$	5,400		
	Material	1	LS	\$	7,500.00	\$	7,500		
03 35 11	Densified Polished Sealed Concrete - PC-1							\$	16,5
	Repair and Patch	1,100	SF	\$	15.00	\$	16,500	Ŧ	,.
03 35 11	Sealed Concrete - SC-1							¢	7,1
03 35 11	Workshop - 101	86	SF	\$	5.00	\$	430	\$	7,1
	Turnout - 102	118	SF	φ \$	5.00	φ \$	430 591		
	Decon - 103	113	SF	\$	5.00	\$	564		
	Apparatus Bay - 104	1,101	SF	\$	5.00	\$	5,504		
	Compressor - 114	15	SF	\$	5.00	\$	73		
	Division 03 - CONCRETE					\$	341,742	\$	341,7
Div. 04	MASONRY								
04 100 00	CMU Masonry								NIC
	Not In Scope						NIC		
	Division 04 - MASONRY								NIC
Div. 05	METALS								
05 100 00	Stair Construction							\$	51,2
	New Stair	14	Risers	\$	2,000.00	\$	28,000		-
	Railings	62	LF	\$	250.00	\$	15,500		
	Short ADA Stair	2	Risers	\$	2,000.00	\$	4,000		
	Railings	5	LF	\$	250.00	\$	1,250		
	Pit Ladder	1	LS	\$	2,500.00	\$	2,500		



Total Gross Area         6,13         SF           Description         Quantity         Unit         Unit Cost         Extension         Extension           05 50 100         Miscellaneous Miscellaneous Metal Align Shear Wall Directly Under Existing Beam Streetpretineing of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area Siteel Post         6,133         GSF         \$         2,500         \$         15,333         \$           05 59 00         Stainless Steel Wall Backsplash - SS-1         1         LS         \$         2,500.00         \$         2,500         \$           00 00 AND PLASTICS         5         150.00         \$         6,750         \$         3,071         \$           06 11 00         Wood Framing Interior Partitions 8" Elevator Shaft Wall         725         SF         \$         101,417           New Celling Joitst         5,634         SF         \$         100,00         \$         11,132           06 11 00         Wood Framing for Addition at Dack Area Framing for Stair         102,87         \$         101,417           06 11 00         Calling Joitst         5         1,500         \$         69,315           06 11 00         Calling Joitst         7,792         SF         \$         3,000         \$         23,376	Ground Street Level Second Level	2,871 3.262	SF SF						
Description         Cuantury         Unit Ost         Extension         Extension           05 50 100         Miscellaneous         Miscellaneous         6,113         GSF         \$         2.50         \$         15.303           Strengthening of (E) WF Bearn at Second Floor as Well as (N) WF Bearn at Rebuilt 2nd Floor Area         1         LS         \$         2.0068         \$         5.170           Division 05 - METALS         5         2.500         \$         6.173         GSF         \$         2.000         \$         6.170           Division 05 - METALS         5         2.500         \$         6.750         \$         8.001         \$         5         6.0750         \$           Division 05 - METALS         5         2.000 AND PLASTICS         \$         8.001         \$         101.417         \$           Miscolamous         6.133         1.1         LS         \$         10.000         \$         101.417         \$           Division 05 - METALS         5.834         SF         \$         100.00         \$         6.0305         \$         6.0315         \$         5         101.417         \$         \$         \$         \$         \$         \$         \$         \$         \$									
Miseelaneous Metal Align Sharr Wall Directly Under Existing Baam Strengthening of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area Steel Post         6,133 10         GFR 129.25         5         7.00 2.000         5         2.500 2.000         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         2.500         5         5         3.000         5         6.6750         5           Division 05 - METALS         UM OCD AND PLASTICS         5         5         1.600         5         1.500         5         1.500         5         1.500         5         1.500         5         65.315         1.500         5         1.500         5         1.500         5         1.500         5         1.500         5         1.500         5         1.500         5         1.500         5         1.500         5         1.500         5         5         2.000         5         1.500         5         1.5	Description	Quantity	Unit		Unit Cost		Extension	E	Group xtension
Align Shear Wall Directly Under Existing Beam         16 MHRS         12.22.5         \$         2.068           Steel Post         1         LS         \$         2.500         \$         2.500           Steel Post         1         LS         \$         2.500         \$         2.500           Steel Post         1         LS         \$         2.500         \$         6.750           Division 05 - METALS         5         \$         1         LS         \$         10.00         \$         6.750         \$           Division 05 - METALS         5         \$         1.00         \$         10.1417         \$         \$         10.1417         \$         \$         10.00         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$         10.01417         \$         \$ <td>Miscellaneous</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>25,07</td>	Miscellaneous							\$	25,07
as (N) WF Beam at Rebuilt 2nd Floor Area         10 WFRG         12.22.03         3         3,17.0           Steel Post         1         LS         \$         2,500.00         \$         2,500.00         \$         2,500.00         \$         2,500.00         \$         2,500.00         \$         2,500.00         \$         6,750.00         \$         6,750.00         \$         6,750.00         \$         6,750.00         \$         10,147.7         \$         \$         8,30,71.0         \$         \$         8,30,71.00         \$         \$         8,30,71.00         \$         \$         8,30,71.00         \$         \$         \$         8,30,71.00         \$	Align Shear Wall Directly Under Existing Beam	,		\$					
65 59 00         Stainless Steel Wall Backsplash - SS-1         45         SF         S         150.00         S         6.750           Div. 60         VOOD AND PLASTICS         5         83.071         S         83.071         S           Div. 60         VOOD AND PLASTICS         5         18.00         S         104.417           Interior Partitions         5.634         SF         S         18.00         S         104.417           Misc. Work at Klichen Ponywall for Lift & Stairs         1         LS         S         15.00         S         63.15           Preming for Stair         Framing for Stair         104.21         SF         S         15.00         S         64.752           Phywood Floor/Roof Sheeting         7.792         SF         S         3.00         S         22.00         S         11.412           Phywood Floor/Roof Sheeting         7.792         SF         S         3.00         S         23.376           O6 11 00         Vall Strengthened Shear Walls         200.00         S         114.900         S         114.25         S         S         114.125         S         116.000         S         114.125         S         S         114.125         S	as (N) WF Beam at Rebuilt 2nd Floor Area					•			
Wall Backsplash - SS-1         45         SF         \$         150.00         \$         6,750           Div. 60         WOOD AND PLASTICS         \$         33,071         \$	Steel Post	1	LS	\$	2,500.00	\$	2,500		
Div. 06         WOOD AND PLASTICS         S           06 11 00         Wood Framing Interior Partitions         5,634         SF         \$         101,417           Interior Partitions         5,634         SF         \$         100,417         \$           Misc. Work 4 Kichen Ponywall for Lift & Stairs         1         LS         \$         1,500         \$         69,315           Gypsum Board Ceiling         4,621         SF         \$         22,00         \$         11,132           Framing for Stair         Included in Metal Fabrication Above         \$         66,752         \$         20,00         \$         11,132           Plywood FloorRoof Sheeting         7,792         SF         \$         3,00         \$         23,376         \$         \$         20,00         \$         46,752         \$         \$         \$         \$         \$         46,752         \$		45	SF	\$	150.00	\$	6,750	\$	6,75
96 11 00         Wood Framing Interior Partitions 8' Elevator Shaft Wall         5.634         5         1.00         5           Misc. Work at Kitchen Ponywall for Lift & Stairs         1         LS         \$         101,417           Misc. Work at Kitchen Ponywall for Lift & Stairs         1         LS         \$         15,000         \$         15,000           Oppsum Board Ceiling Exterior Wall Framing for Addition at Deck Area         506         SF         \$         12,000         \$         11,132           Framing for Stair         Included in Metal Fabrication Above         11,132         \$         46,752         \$           Off 11 00         Ceiling Joists 2X 12 at 16" C/C         3,896         SF         \$         3,000         \$         46,752           Plywood FramWalls         Strengthened Shear Walls         3,375         SF         \$         3,000         \$         118,125           Strengthened Shear Walls         2,200         \$         11,000         \$         44,000         \$           Provide Posts         2         EA         \$         75,000         \$         10,000         \$           Steel Structural Framing additions to add Strength         40         LF         \$         25,000         \$         10,000	Division 05 - METALS					\$	83,071	\$	83,07
Interior Paritions         5,634         SF         \$         101,417           Interior Paritions 0* Elevator Shaft Wall         725         SF         \$         1,4,490           Misc. Work at Kitchen Ponywall for Lift & Stairs         1         LS         \$         1,500         \$         1,500           Gypsum Board Celling         4,621         SF         \$         1,500         \$         69,315           Exterior Wall Framing for Addition at Deck Area         506         SF         \$         22,00         \$         66,752           New Celling Joists         X1 2at 16° C/C         3,896         SF         \$         3,00         \$         23,376           Of 11 00         Wall Strengthened Shear Walls         Strengthened Shear Walls         Strengthened Shear Walls         Strengthened Shear Walls         S         46,752           Strengthened Shear Walls         S200 (150 LF X 22-6° H)         3,375         SF         \$         3,000         \$         118,125           Strengthened Shear Wall         S200 (150 LF X 22-6° H)         3,375         SF         \$         3,000         \$         1,000           The Downs         1         LS         \$         5,000,00         \$         1,000         \$         5,000 <td>WOOD AND PLASTICS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	WOOD AND PLASTICS								
Interior Partitions 8" Elevator Shaft Wall       725       SF       \$       20.00       \$       14.490         Misc. Work at Kitchen Ponywall for Lift & Stairs       1       LS       \$       1,500       \$       69.315         Exterior Wall Framing for Addition at Deck Area       506       SF       \$       22.00       \$       11.132         06 11 00       Ceiling Joists	-		~-	*		*		\$	197,85
Misc. Work at Kitchen Ponywall for Lift & Stairs       1       LS       \$       1,500       \$       1,500       \$       69,315         Exterior Wall Framing for Addition at Deck Area       500       \$       500       \$       500       \$       69,315         06 11 00       Ceiling Joists 2X 12 at 16° C/C       3.896       SF       \$       12,000       \$       23,376         06 11 00       Wall Strengthened Shear Walls       S       5       \$       3.000       \$       23,376         06 11 00       Wall Strengthened Shear Walls       SF       \$       3.000       \$       \$       11,000         Strengthened Shear Walls       S200 (150 LF X 22-6° H)       3.375       SF       \$       3.000       \$       \$       11,000         Tie Downs       1       LS       \$       \$       5.000       \$       \$       5.000       \$       5.000       \$       5.000       \$       5.000       \$       5.000       \$       5.000       \$       5.000       \$       5.025       \$       5.025       \$       5.025       \$       5.025       \$       5.025       \$       5.025       \$       5.020       \$       10.000       \$       5.025		,							
Gypsum Board Ceiling Exterior Wall Framing for Addition at Deck Area Framing for Stair         4,621         SF         \$         15.00         \$         69.315           06 11 00         Ceiling Joists New Ceiling Joists 2X 12 at 16° C/C Plywood Floor/Roof Sheeting         3,896         SF         \$         12.00         \$         46.752           06 11 00         Wall Strengthened Shear Walls         5         S         \$         23.376           06 11 00         Wall Strengthened Shear Walls         5         SF         \$         3.00         \$         23.376           06 11 00         Wall Strengthened Shear Walls         5.00         \$         11.100         \$         111.000         \$         111.000         \$         111.000         \$         111.000         \$         111.000         \$         5.000         \$         11.000         \$         11.000         \$         11.000         \$         5.000         \$         10.000         \$         10.000         \$         5.625         \$         10.000         \$         10.000         \$         10.000         \$         10.000         \$         10.000         \$         10.000         \$         10.000         \$         10.000         \$         10.000         \$         10.000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Everior Wall Framing for Addition at Deck Area Framing for Stair       506       SF       \$       22.00       \$       11,132         06 11 00       Ceiling Joists New Ceiling Joists 2X 12 at 16" C/C       3,896       SF       \$       12.00       \$       46.752         06 11 00       Wall Strengthened Shear Walls Strengthened Shear Walls       5       S       3.00       \$       23.376         06 11 00       Wall Strengthened Shear Walls       5       S       3.00       \$       11.100         06 11 00       Wall Strengthened Shear Walls       5       S       \$       3.00       \$       11.100         06 11 00       Wall Strengthened Shear Walls       5       S       \$       20.00       \$       11.000         7.792       SF       \$       3.00       \$       11.000       \$       11.100         7.792       SF       \$       3.00       \$       11.000       \$       11.100         7.792       SF       \$       3.00       \$       11.100       \$       11.100         7       Strengthened Shear Wall       75       FA       \$       20.000       \$       16.000         Streid Strength       40       LF       \$       2		-							
Framing for Stair         Included in Metal Fabrication Above           06 11 00         Ceiling Joists New Ceiling Joists 2X 12 at 16" C/C Plywood Floor/Roof Sheeting         3,896         SF         \$         12.00         \$         46,752           06 11 00         Wall Strengthened Shear Walls         Strengthened Shear Walls         Strengthened Shear Walls         Strengthened Shear Walls         \$         \$           Strengthened Shear Walls         Strengthened Shear Walls         Strengthened Shear Walls         \$         \$         \$           Strengthened Shear Walls         Strengthened Shear Walls         \$         \$         \$         \$         \$           Treowns         12         EA         \$         200.00         \$									
New Celling Joists 2X 12 at 16° C/C         3,896         SF         \$         12.00         \$         446,752           Plywood Floor/Roof Sheeting         7,792         SF         \$         3.00         \$         23,376           06 11 00         Wall Strengthened Shear Walls         5         EA         \$         200.00         \$         118,125           Simpson Holdown to Footings         1         LS         \$         5,000.00         \$         110,00           Tie Downs         1         LS         \$         5,000.00         \$         14,00           Anchor Bolts to Strengthened Shear Wall         75         EA         \$         200.00         \$         14,000           Anchor Bolts to Strengthened Shear Wall         75         EA         \$         200.00         \$         10,000           Statel Structural Framing additions to add Strength         40         LF         \$         200.00         \$         10,000           Align Shear Wall Directly Under Existing Beam         See Division 5         \$         200.00         \$         16,000           Misc. Carpentry         Misc. Carpentry         \$         137,61         \$         11,009         \$         5,525         See Div. 12         \$	-		-			Ŧ	, 102		
New Celling Joists 2X 12 at 16° C/C         3,886         SF         \$         12.00         \$         446,752           Plywood Floor/Roof Sheeting         7,792         SF         \$         3.00         \$         23,376           06 11 00         Wall Strengthened Shear Walls         5         EA         \$         200.00         \$         118,125           Simpson Holdown to Footings         1         LS         \$         5,000.00         \$         110,00           Tie Downs         1         LS         \$         5,000.00         \$         10,000           Anchor Bolts to Strengthened Shear Wall         75         EA         \$         200.00         \$         10,000           Scaffolding and Shoring         6,133         GSF         \$         200.00         \$         16,000           Align Shear Wall Directly Under Existing Beam         See Division 5         \$         200.00         \$         16,000           Misc. Carpentry         80         MHRS         \$         137,61         \$         11,009           Misc. Carpentry         80         MHRS         \$         137,61         \$         10,000           Misc. Carpentry         80         Metrial & Tools         1	Ceiling Joists							\$	70,12
06 11 00       Wall Strengthened Shear Walls       \$       \$       \$         06 11 00       Wall Strengthened Shear Walls (\$ 200 (150 LF X 22'-6" H)       3,375 SF       \$       35.00 \$       \$         Simpson Holdown to Footings       1       LS       \$       5,000 0       \$       11,000         The Downs       1       LS       \$       5,000 0       \$       5,000       \$         Provide Posts       22       EA       \$       200.00 \$       \$       4,00         Anchor Bolts to Strengthened Shear Wall       75       EA       \$       75.00 \$       \$       5,625         Steel Structural Framing additions to add Strength       40       LF       \$       200.00 \$       \$       10,000         Scaffolding and Shoring       6,133       GSF \$       2.00 \$       \$       16,000         Align Shear Wall Directly Under Existing Beam       See Division 5       \$       16,000       \$         Misc. Carpentry       80       MHRS \$       2,500.00 \$       \$       5,250         Misc. Carpentry       80       MHRS \$       3,5.00 \$       \$       5,250         Misc. Carpentry       80       MHRS \$       \$       35.00 \$       \$       5,250 <td>New Ceiling Joists 2X 12 at 16" C/C</td> <td></td> <td></td> <td>\$</td> <td></td> <td></td> <td>46,752</td> <td></td> <td></td>	New Ceiling Joists 2X 12 at 16" C/C			\$			46,752		
Strengthened Shear Walls/ S 200 (150 LF X 22'-6" H)       3,375       SF       \$       35.00       \$       118,125         Simpson Holdown to Footings       15       EA       \$       200.00       \$       11,000         Tie Downs       1       LS       \$       500.00       \$       5.000       \$       5.000         Provide Posts       22       EA       \$       200.00       \$       4.400         Anchor Bolts to Strengthened Shear Wall       75       EA       \$       75.00       \$       6.625         Steel Structural Framing additions to add Strength       40       LF       \$       220.00       \$       12,266         Bracing During Construction       80       MHRS       \$       137.61       \$       11,000         Align Shear Wall Directly Under Existing Beam       See Division 5       \$       2,500.00       \$       16,000         Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Carpentry       80       MHRS       \$       35.00       \$       5,250         Misc. Carpentry       5	Plywood Floor/Roof Sheeting	7,792	SF	\$	3.00	\$	23,376		
Simpson Holdown to Footings       55       EA       \$       200.00       \$       11,000         Tie Downs       1       LS       \$       5,000.00       \$       5,000         Provide Posts       22       EA       \$       200.00       \$       4,400         Anchor Bolts to Strengthened Shear Wall       75       EA       \$       75.00       \$       5,625         Steel Structural Framing additions to add Strength       40       LF       \$       20.00       \$       11,000         Scaffolding and Shoring       6,133       GSF       \$       2.00       \$       10,000         Steel Structural Framing additions to add Strength       40       LF       \$       200.00       \$       12,266         Bracing During Construction       80       MHRS       \$       137.61       \$       11,009         Misc. Carpentry       80       MHRS       \$       2,500.00       \$       2,500       \$         Misc. Carpentry       80       MHRS       \$       35.00       \$       5,250       \$         Misc. Carpentry       80       MHRS       \$       35.00       \$       5,250       \$         Division 66 - WOOD AND PLASTICS								\$	182,4 <sup>-</sup>
Tie Downs       1       LS       \$       5,000,00       \$       5,000         Provide Posts       22       EA       \$       20,000       \$       4,400         Anchor Bolts to Strengthened Shear Wall       75       EA       \$       75,000       \$       5,625         Steel Structural Framing additions to add Strength       40       LF       \$       250,000       \$       10,000         Scaffolding and Shoring       6,133       GSF       \$       200,00       \$       12,266         Bracing During Construction       80       MHRS       \$       200,00       \$       16,000         Align Shear Wall Directly Under Existing Beam       See Division 5       \$       10,000       \$       2,500       \$         06 40 53       Misc. Carpentry       80       MHRS       \$       137,61       \$       11,009       \$         Misc. Carpentry       80       MHRS       \$       2,500,00       \$       5,250       \$ <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		,							
Provide Posts       22       EA       \$       200.00       \$       4,400         Anchor Bolts to Strengthened Shear Wall       75       EA       \$       75.00       \$       5,625         Steel Structural Framing additions to add Strength       40       LF       \$       250.00       \$       10,000         Scaffolding and Shoring       6,133       GSF       \$       2.00       \$       12,266         Bracing During Construction       80       MHRS       \$       200.00       \$       16,000         Align Shear Wall Directly Under Existing Beam       See Division 5       \$       11,009       \$       \$         06 40 53       Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Material & Tools       1       LS       \$       2,500.00       \$       5,250         06 41 00       Architectural Wood Casework (Framing and Backing)       150       LF       \$       35.00       \$       5,250         Division 06 - WOOD AND PLASTICS       \$       469,157       \$       \$       5000       \$       74,900 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Anchor Bolts to Strengthened Shear Wall       75       EA       \$       75.00       \$       5,625         Steel Structural Framing additions to add Strength       40       LF       \$       250.00       \$       10,000         Scaffolding and Shoring       6,133       GSF       \$       2.000       \$       12,266         Bracing During Construction       80       MHRS       \$       200.00       \$       16,000         Align Shear Wall Directly Under Existing Beam       See Division 5       \$       137.61       \$       11,009         Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Material & Tools       1       LS       \$       35.00       \$       \$         06 41 00       Architectural Wood Casework (Framing and Backing)       1       LS       \$       35.00       \$       \$       \$         Backing for Upper and Lower Cabinetry/Lockers       150       LF       \$       35.00       \$       \$       \$       \$         Division 06 - WOOD AND PLASTICS       5       469,157       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$									
Steel Structural Framing additions to add Strength       40       LF       \$       250.00       \$       10,000         Scaffolding and Shoring       Bracing During Construction       6,133       GSF       \$       2.00       \$       12,266         Bracing During Construction       80       MHRS       \$       200.00       \$       16,000         Align Shear Wall Directly Under Existing Beam       See Division 5       5       2.00.00       \$       16,000         06 40 53       Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Material & Tools       1       LS       \$       2,500.00       \$       2,500       \$         06 41 00       Architectural Wood Casework (Framing and Backing)       1       LS       \$       35.00       \$       5,250       \$         Division 06 - WOOD AND PLASTICS       12       LF       \$       35.00       \$       5,250       \$       \$         Div. 07       THERMAL AND MOISTURE PROTECTION       5       20.00       \$       74,900       \$       74,900       \$       74,900       \$       74,900       \$       74,900       \$       16,100       \$       5       50.00       \$									
Scaffolding and Shoring       6,133       GSF       \$       2.00       \$       12,266         Bracing During Construction       80       MHRS       \$       200.00       \$       16,000         Align Shear Wall Directly Under Existing Beam       See Division 5       \$       200.00       \$       16,000         06 40 53       Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Material & Tools       1       LS       \$       2,500.00       \$       2,500         06 41 00       Architectural Wood Casework (Framing and Backing) Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.       LF       \$       35.00       \$       5,250         Division 06 - WOOD AND PLASTICS       \$       469,157       \$       \$       \$         Div. 07       THERMAL AND MOISTURE PROTECTION       \$       \$       20.00       \$       74,900       \$         07 30 00       Roof Coverings Roofing System to Deck Area       3,745       SF       \$       20.00       \$       74,900       \$         07 50 00       Sheet Metals       3,745       SF       \$       5.00       \$       18,725         07 75 00       Exterior Wal									
Bracing During Construction Align Shear Wall Directly Under Existing Beam         80 See Division 5         MHRS         200.00         \$         16,000           06 40 53         Misc. Carpentry Misc. Carpentry Misc. Material & Tools         80 1         MHRS         \$         137.61         \$         11,009         2,500         \$         2,500         \$         2,500         \$         2,500         \$         2,500         \$         2,500         \$         2,500         \$         2,500         \$         5,250         \$         \$         5,250         \$         \$         5,250         \$         \$         5,250         \$         \$         5,250         \$         \$         \$         5,250         \$         \$         5,250         \$         \$         \$         5,250         \$         \$         \$         \$         5,250         \$         \$         \$         5,250         \$		-							
Align Shear Wall Directly Under Existing Beam       See Division 5         06 40 53       Misc. Carpentry Misc. Carpentry Misc. Carpentry Misc. Material & Tools       80       MHRS       \$       137.61       \$       11,009         06 41 00       Architectural Wood Casework (Framing and Backing) Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.       150       LF       \$       35.00       \$       \$5,250       \$         Division 06 - WOOD AND PLASTICS       *       *       35.00       \$       \$6,250       \$         Division 06 - WOOD AND PLASTICS       *       *       \$       \$       \$         Division 06 - WOOD AND PLASTICS       *       *       \$       \$       \$         Division 06 - WOOD AND PLASTICS       *       *       \$       \$       \$         Division 06 - WOOD AND PLASTICS       *       *       \$									
Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Material & Tools       1       LS       \$       2,500.00       \$       2,500         06 41 00       Architectural Wood Casework (Framing and Backing) Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.       150       LF       \$       35.00       \$       5,250       See Div. 12         Division 06 - WOOD AND PLASTICS       *       469,157       \$       469,157       \$         Div. 07       THERMAL AND MOISTURE PROTECTION       *       *       20.00       \$       74,900       \$         730 00       Roof Coverings New Roofing System to Deck Area       3,745       SF       \$       20.00       \$       74,900       \$         07 50 00       Sheetmetal and Flashing Flashing & Sheet Metals       3,745       SF       \$       5.00       \$       18,725       \$         07 75 00       Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation       799       SF       \$       5.00       \$       39,950				Ψ	200.00	Ψ	10,000		
Misc. Carpentry       80       MHRS       \$       137.61       \$       11,009         Misc. Material & Tools       1       LS       \$       2,500.00       \$       2,500         06 41 00       Architectural Wood Casework (Framing and Backing) Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.       150       LF       \$       35.00       \$       5,250 See Div. 12       \$         Division 06 - WOOD AND PLASTICS       *       *       469,157       \$         Div. 07       THERMAL AND MOISTURE PROTECTION       *       *       *       *         07 30 00       Roof Coverings New Roofing System Roofing System to Deck Area       3,745       SF       \$       20.00       \$       74,900       \$         07 50 00       Sheetmetal and Flashing Flashing & Sheet Metals       3,745       SF       \$       5.00       \$       18,725         07 75 00       Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation       799       SF       \$       5.00       \$       39,950	Misc. Carpentry							\$	13,50
06 41 00Architectural Wood Casework (Framing and Backing) Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.150LF\$35.00\$\$\$Division 06 - WOOD AND PLASTICS\$\$469,157\$Division 06 - WOOD AND PLASTICS\$\$\$\$Provide Casework (Framing and Backing) See Div. 12 Below.\$\$\$\$\$\$\$\$Division 06 - WOOD AND PLASTICS\$		80		\$		\$	11,009		-
Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.       150       LF       \$       35.00       \$       5,250 See Div. 12         Division 06 - WOOD AND PLASTICS       \$       469,157       \$         Div. 07       THERMAL AND MOISTURE PROTECTION         D7 30 00       Roof Coverings New Roofing System Roofing System to Deck Area       3,745       SF       \$       20.00       \$       74,900       \$         D7 50 00       Sheetmetal and Flashing Flashing & Sheet Metals       3,745       SF       \$       5.00       \$       18,725         D7 75 00       Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation       799       SF       \$       50.00       \$       39,950	Misc. Material & Tools	1	LS	\$	2,500.00	\$	2,500		
for Fixed Casework and Countertop See Div. 12 Below.       See Div. 12         Division 06 - WOOD AND PLASTICS       \$ 469,157       \$         Div. 07       THERMAL AND MOISTURE PROTECTION         D7 30 00       Roof Coverings       \$       \$         New Roofing System       3,745       SF       \$       \$         07 50 00       Sheetmetal and Flashing       \$       \$         07 50 00       Sheetmetal and Flashing       \$       \$         Flashing & Sheet Metals       3,745       SF       \$       \$         Por 75 00       Exterior Wall       \$       \$         07 75 00       Exterior Wall       \$       \$       \$         Nover figs       \$								\$	5,25
Division 06 - WOOD AND PLASTICS         \$ 469,157           Div. 07         THERMAL AND MOISTURE PROTECTION         \$           07 30 00         Roof Coverings New Roofing System Roofing System to Deck Area         3,745         SF         \$ 20.00         \$ 74,900           07 50 00         Sheetmetal and Flashing Flashing & Sheet Metals         3,745         SF         \$ 5.00         \$ 16,100           07 75 00         Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation         799         SF         \$ 5.00         \$ 39,950		150	LF	\$	35.00	\$			
Div. 07         THERMAL AND MOISTURE PROTECTION         \$           07 30 00         Roof Coverings         \$	for Fixed Casework and Countertop See Div. 12 Below.						See Div. 12		
Nor 30 00       Roof Coverings New Roofing System Roofing System to Deck Area       3,745 322       SF SF       \$       20.00 50.00       \$       74,900 16,100         Nor 50 00       Sheetmetal and Flashing Flashing & Sheet Metals       3,745 3,745       SF SF       \$       5.00       \$       18,725         Nor 75 00       Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation       799 750       SF SF       \$       50.00       \$       39,950 3,750	Division 06 - WOOD AND PLASTICS					\$	469,157	\$	469,1
New Roofing System Roofing System to Deck Area       3,745       SF       \$       20.00       \$       74,900         07 50 00       Sheetmetal and Flashing Flashing & Sheet Metals       3,745       SF       \$       50.00       \$       16,100         07 75 00       Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation       799       SF       \$       50.00       \$       39,950         750       SF       \$       50.00       \$       39,950       \$       3,745       \$       \$       50.00       \$       39,950       \$       \$       37,750       \$       \$       50.00       \$       39,950       \$       3,750       \$       \$       \$       3,750       \$       \$       \$       3,750       \$       \$       \$       3,750       \$								¢	91,00
Roofing System to Deck Area       322       SF       \$ 50.00       \$ 16,100         07 50 00       Sheetmetal and Flashing Flashing & Sheet Metals       3,745       SF       \$ 5.00       \$ 18,725         07 75 00       Exterior Wall (N) Cement Siding at West Elevation (Front) Patch and Repair (E) Siding at East Elevation       799       SF       \$ 50.00       \$ 39,950         750       SF       \$ 5.00       \$ 39,950       \$ 3,750		3 745	SF	\$	20.00	\$	74 900	φ	91,00
Flashing & Sheet Metals       3,745       SF       5.00       18,725         D7 75 00       Exterior Wall       \$       \$       \$       \$         (N) Cement Siding at West Elevation (Front)       799       SF       \$									
Flashing & Sheet Metals       3,745       SF       5.00       18,725         D7 75 00       Exterior Wall       \$       \$       \$       \$         (N) Cement Siding at West Elevation (Front)       799       SF       \$	Sheetmetal and Flashing							\$	18,72
(N) Cement Siding at West Elevation (Front)         799         SF         50.00         \$         39,950           Patch and Repair (E) Siding at East Elevation         750         SF         \$         5.00         \$         3,750	-	3,745	SF	\$	5.00	\$	18,725	r	-,
(N) Cement Siding at West Elevation (Front)         799         SF         50.00         \$         39,950           Patch and Repair (E) Siding at East Elevation         750         SF         \$         5.00         \$         3,750	Exterior Wall							\$	72,19
	(N) Cement Siding at West Elevation (Front)	799		\$		\$	39,950		-
(N) Prep and Paint Entire Structure 2,849 SF \$ 10.00 \$ 28,490	Patch and Repair (E) Siding at East Elevation	750	SF		5.00	\$			
		2,849	SF		10.00	\$	28,490		
	Exterior Soffit							¢	18,00
75 00		Second Level Total Gross Area         Description         Miscellaneous Metal Align Shear Wall Directly Under Existing Beam Strengthening of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area Steel Post         Standers Steel Wall Backsplash - SS-1         Division 05 - METALS         WOOD AND PLASTICS         WOOD Framing Interior Partitions 8" Elevator Shaft Wall Misc. Work at Kitchen Ponywall for Lift & Stairs Gypsum Board Ceiling Exterior Wall Framing for Addition at Deck Area Framing for Stair         Ceiling Joists Matterior Partitions 8" Elevator Shaft Wall Misc. Work at Kitchen Ponywall for Lift & Stairs Gypsum Board Ceiling Exterior Wall Framing for Addition at Deck Area Framing for Stair         Ceiling Joists Matterior Partitions 8" Elevator Shaft Wall Misc. Carpentry New Ceiling Joists 2X 12 at 16" C/C Plywood Floor/Roof Sheeting         Vall Strengthened Shear Walls Steel Structural Framing additions to add Strength Scaffolding and Shoring Bracing During Construction Align Shear Wall Directly Under Existing Beam         Misc. Carpentry Misc. Carpentry Misc. Carpentry Misc. Material & Tools         Misc. Carpentry Misc. Material & Tools         Architectural Wood Casework (Framing and Backing) Backing for Upper and Lower Cabinetry/Lockers for Fixed Casework and Countertop See Div. 12 Below.         Division 06 - WOOD AND PLASTICS         Mex Roing System Roofing System to Deck Area         Shettmetal and Flashing Flashing & Sheet Metals         Exterior Wall         (N) Cement Sisding at West Elevation (Front)	Second Level Total Gross Area3.262 6,133DescriptionQuantityMiscellaneous Metal Align Shear Wall Directly Under Existing Beam6,133 (133)Align Shear Wall Directly Under Existing Beam16Strengthening of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area40Steel Post1Stainless Steel Wold Drastics45Division 05 - METALS5,634WOOD AND PLASTICS5,634Wood Framing Interior Partitions 8' Elevator Shaft Wall725Misc. Work at Kitchen Ponywall for Lift & Stairs Gypsum Board Ceiling Phywood Floor/Roof Sheeting3,896New Ceiling Joists Strengthened Shear Walls3,755Simpson Holdown to Footings Simpson Holdown to Footings55The Order Stair Powide Posts1Provide Posts22Anchor Bolts to Strengthened Shear Wall Align Shear Wall Tor Steel Structural Framing additions to add Strength Misc. Carpentry Misc. Carpentry Misc. Carpentry80Misc. Carpentry Misc. Carpent to Deck Area Misc. Material & Tools1Architectural Wood Casework (Framing and Backing) Provide Post Acrea Tor Size Casework and Countertop See Div. 12 Below.150Division 06 - WOOD AND PLASTICS1Misc. Carpentry Misc. Material & Tools1Misc. Material & Tools1HERMAL AND MOISTURE PROTECTION Roof Coverings New Roofing System to	Second Level Total Gross Area3.262 6,133SFDescriptionQuantityUnitMiscellaneous Misolaneous Metal Align Shear Wall Directly Under Existing Beam Strengthenig of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area Steel Post6,133GSFStainless Steel Wall Backsplash - SS-145SFDivision 05 - METALSWood Framing Misce Under Partitions5,634SFDivision 05 - METALSWood Framing Misce Work at Kitchen Ponywall for Lift & Stairs (Apsume at Keither Partitions B" Elevator Shaft Wall Misce Work at Kitchen Ponywall for Lift & Stairs (Apsume at Keither Ponywall for Stair5,634SFDivision 05 - METALSWood Framing (Apsume at Keither Ponywall for Lift & Stairs (Apsume at Keither Ponywall for C/C (Apsume at Ceiling Joists (Apsume at Keither Ponywall for C/C (Apsume at Keither Apsume at Ceiling Joists (Apsume at Keither Apsume at Ceiling Joists 2X 12 at 16" C/C (Apsume at Second Shear Walls Storeghthened Shear Walls (Apsume at Ceiling Joists 2X 12 at 16" C/C (Apsume at Ceiling Joist 2X 12 at 16" C/C (Apsume at Ceil	Second Level Total Gross Area3.262 6,133SFDescriptionQuantityUnitMiscellaneous Miscellaneous Metal Algn Shear Wall Directly Under Existing Beam Strengthening of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area Steel Post6,133GSF 5\$Stainless Steel Wall Backsplash - SS-140MHRS 5\$Wood Framing Interior Partitions5,634SF 5\$Miscollaneous Wood Framing Interior Partitions * Elevator Shaft Wall Misc. Work at Kitchen Ponywall for Lift & Stairs1LS 5\$Miscollaneous Wood Framing Interior Partitions * Elevator Shaft Wall Misc. Work at Kitchen Ponywall for Lift & Stairs1LS 5\$Miscollaneous Wall Framing for Addition at Deck Area Framing for Stair5,634SF 5\$Wall Strengthened Shear Walls Strengthened Shear WallsS 22SF 5\$Wall Strengthened Shear Walls Steel Structural Framing additions to add Strength 60 MIRS \$40LF 5\$Steel Structural Framing additions to add Strength 60 MIRS \$0MHRS \$\$Archor Walls Strengthened Shear Wall75EA\$Steel Structural Framing additions to add Strength 60 Strong there walls 'S 200 (150 LF X 22'-6' H) 3.375ST 5\$\$Misc. Carpentry Misc. Carpentry80MHRS \$\$Misc. Carpentry80M	Second Level Total Gross Area         3.262 6,133         SF           Description         Quantity         Unit         Unit Cost           Miscellaneous Metal Align Shear Wall Directly Under Existing Beam Strengthening of (E) WF Beam at Second Floor as Well as (N) WF Beam at Second Floor Area Steel Post         (N) WF Beam at Second Floor as (N) WF Second Floor Well Second Floor Misc. Work at Kitchen Ponywall for Lift & Stairs therein Floor Misc. Work at Kitchen Ponywall for Lift & Stairs therein Floor Misc. Work at Kitchen Ponywall for Lift & Stairs the Downs Framing for Stair         S \$ 15.00 (N) Metal Kitchen Ponywall for Lift & Stairs the Downs Staing Dimed Sheet Walls Strengthened Shear Walls Strengthened Shear Walls Strengthened Shear Walls Strengthened Shear Wall To E Downs Staing During Construction Staing During S	Second Level Total Gross Area         3.262 6,133         SF SF           Description         Quantity         Unit         Unit Cost           Miscellaneous Align Shear Wall Directly Under Existing Beam Steel Post         6,133         GSF S         2.50         S           Steengthening of (E) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area Steel Post         1         LS         \$         2,500.00         S           Stainless Steel Wall Backsplash - SS-1         45         SF         \$         150.00         S           Division 05 - METALS         Vero Praming Interior Paritions         5,634         SF         \$         18,00         \$           Wood Framing Interior Paritions & Televator Shaft Wall         7,25         SF         \$         18,00         \$           Gypsum Board Celling Extenor Wall Framing for Addition at Deck Area Framing for Stair         5,634         SF         \$         12,00         \$           Calling Joists         2X 12 at 16° C/C         3,896         SF         \$         12,00         \$           Strengthened Shear Wall Framing for Stair         200 (150 LF X 22-6° H)         3,375         SF         \$         3,000         \$           Wall Strengthened Shear Wall Framing for Stair         3,270 (150 LF X 22-6° H)         3,375         <	Second Level Total Gross Area         3.262 (6.13)         SF           Description         Quantity         Unit         Unit Cost         Extension           Miscellaneous Metal Algn Shear Wall Directly Under Existing Beam         6.133         GSF         \$         2.50         \$         15.333           Algn Shear Wall Directly Under Existing Beam         16         MHRS         129.25         \$         2.000           Steal Post         1         LS         \$         2.500.0         \$         2.500           Steal Post         1         LS         \$         2.500.0         \$         2.500           Viail Backsplash - SS-1         45         SF         \$         150.00         \$         6.750           Division 05 - METALIS         5         2.000         \$         101,417         1         1.55         1.50.00         \$         6.750           WOOD AND PLASTICS         5         2.000         \$         101,417         1         1.55         1.50.00         \$         101,417           Interior Partitions         5.634         SF         \$         12.00         \$         46,752           WoOD AND PLASTICS         5         1.000         \$         46,752         SF </td <td>Second Level Total Gross Area         3.262 6,133         SF           Description         Quantity         Unit         Unit Cost         Extension         F           Miscellaneous Metal Align Shear Wall Directly Under Existing Beam         6,133         GSF         \$         2.50         \$         15.33         Align Shear Wall         16 MHRS         129.25         \$         5.170         as (N) WF Beam at Bood Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area         40         MHRS         129.25         \$         5.170         as (N) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area         5         \$         12.00         \$         6.750           Stainless Steel Wall Backsplath - SS-1         45         SF         \$         18.00         \$         6.750           Wide Franking Wood Franking         5.634         SF         \$         18.00         \$         6.750           Wood Franking         5.634         SF         \$         18.00         \$         6.750           Wood Franking         5.634         SF         \$         18.00         \$         6.131           Coll of Unitiang         4.21         SF         \$         20.00         \$         14.400           Misco Granking for Stain Granking Coll of Ulit &amp; Stains</td>	Second Level Total Gross Area         3.262 6,133         SF           Description         Quantity         Unit         Unit Cost         Extension         F           Miscellaneous Metal Align Shear Wall Directly Under Existing Beam         6,133         GSF         \$         2.50         \$         15.33         Align Shear Wall         16 MHRS         129.25         \$         5.170         as (N) WF Beam at Bood Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area         40         MHRS         129.25         \$         5.170         as (N) WF Beam at Second Floor as Well as (N) WF Beam at Rebuilt 2nd Floor Area         5         \$         12.00         \$         6.750           Stainless Steel Wall Backsplath - SS-1         45         SF         \$         18.00         \$         6.750           Wide Franking Wood Franking         5.634         SF         \$         18.00         \$         6.750           Wood Franking         5.634         SF         \$         18.00         \$         6.750           Wood Franking         5.634         SF         \$         18.00         \$         6.131           Coll of Unitiang         4.21         SF         \$         20.00         \$         14.400           Misco Granking for Stain Granking Coll of Ulit & Stains



	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit		Unit Cost	E	Extension		Group xtension
	New Wood soffit	240	SF	\$	75.00	\$	18,000		
)7 75 00	Enclosure to New Exterior at Existing Deck (N) Cement Siding at West Elevation North & West	180	SF	\$	50.00	\$	9,000	\$	9,00
07 90 00	Misc. Caulking and Sealants Insulation	6,133 6,133	GSF GSF	\$ \$	2.00 2.00	\$ \$	12,266 12,266	\$	24,53
		0,100	001	Ψ	2.00			•	000 4
	Division 07 - THERMAL AND MOISTURE PROTECTION	_	_		_	\$	233,447	\$	233,44
Div. 08 08 11 13	OPENINGS Hollow Metal Doors & Frames Hollow Metal Frames 28/70 Hollow Metal Frames 30/70 Hollow Metal Frames 30/70 w/Sidelite Hollow Metal Frames 50/70 Hollow Metal Frames 60/70 Hollow Metal Doors 30/70 Hollow Metal Doors 50/70 Hollow Metal Doors 60/70 20 Min Rating	1 13 7 3 1 1 3 1 3	EA EA EA EA PR PR EA	\$ \$ \$ \$ \$ \$ \$ \$	850.00 850.00 1,200.00 1,200.00 950.00 1,500.00 1,500.00 250.00	\$ \$ \$ \$ \$ \$ \$ \$ \$	850 11,050 8,400 3,000 1,200 950 4,500 1,500 250	\$	31,7(
08 20 00	Wood and Plastic Doors Wood Doors 30/70 Wood Doors 28/70 Vision Glass/Panel 20 Min Rating	18 1 4 7	EA EA EA EA	\$ \$ \$ \$	1,350.00 1,350.00 250.00 250.00	\$ \$ \$ \$	24,300 1,350 1,000 1,750	\$	28,4(
08 33 00	Overhead Doors Refurbish Existing Bay Door Keep (E) Roll Up Doors	1	LS	\$	10,000.00	\$	10,000	\$	10,0
08 31 16	Access Panels and Frames Fire-Rated Access Door	1	ALLOW	\$	2,500.00	\$	2,500	\$	2,50
08 51 00	Metal Windows Fixed Windows Casement Upper Lite Casement Interior Window HM Frame	51 48 182 34	SF SF SF SF	\$ \$ \$	110.00 145.00 125.00 110.00	\$	5,610 6,960 22,750 3,771	\$	39,09
08 60 00	<b>Skylight</b> Skylight	12	SF	\$	175.00	\$	2,100	\$	2,1
08 71 00	Door Hardware Door Hardware Kick Plates Door Louvers Door Operator (Not Shown 104A/105A?) Card Reader Hardware (Wiring & Hookups See Div. 28)	25 29 3 1 7	EA EA EA Allow EA	\$ \$ \$ \$ \$	1,000.00 150.00 250.00 10,000.00 750.00	\$ \$ \$ \$ \$ \$ \$	25,000 4,350 750 10,000 5,250	\$	45,3
	Division 08 - OPENINGS					\$	159,141	\$	159,14
Div. 09	FINISHES								
09 29 00	Gypsum Board New Walls 5/8" X Perimeter Walls 5/8" X New 2-Hr Shaft Wall Gypsum Ceiling Misc. Patch and Repair of (E) Walls and Ceilings	11,340 2,960 690 4,621 1	SF SF SF SF LS	\$ \$ \$ \$ \$	8.00 8.00 12.00 8.00 5,000.00	\$ \$ \$ \$ \$	90,720 23,680 8,280 36,968 5,000	\$	164,64



Based o	n Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	ft Es	timate Date:	10/07	/2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit	U	Init Cost		Extension	E	Group xtension
09 51 13	Acoustical Panel Ceilings							\$	20,9
	Acoustical Panel Ceilings	1,164	SF	\$	18.00	\$	20,952	Ŧ	_0,0
09 60 00	Flooring	400	05	¢	40.00	¢	4 440	\$	1,4
	Stairs and Landing Finishes	120	SF	\$	12.00	\$	1,440		
09 83 00	Acoustic Finishes Tackboard at Meeting Room (Assume Long Wall)	240	SF	\$	20.00	\$	4,800	\$	4,8
09 60 00	Bases							\$	7,8
	RB -1	1,562	LF	\$	5.00	\$	7,810	Ŧ	.,-
9 30 00	Porcelain Tile Flooring - TL-3	10	05	•		•		\$	33,1
	Porcelain Floor Tile Restroom	48	SF	\$	30.00	\$	1,440		
	Porcelain Floor Tile Bathroom	170	SF	\$	30.00	\$	5,100		
	Porcelain Tile Cove Base Restroom Porcelain Wall Tile Bathroom to 8'	25 920	LF SF	\$ \$	35.00 28.00	\$ \$	875 25,760		
9 65 00	Static Dissipative Tile - 1/8" - SDT-1							\$	4,9
	Radio - 201	61	SF	\$	18.00	\$	1,095		
	Storage - 202 IT/Elec - 203	84 131	SF SF	\$ \$	18.00 18.00	\$ \$	1,504 2,361		
9 65 00	Resilient Athletic Flooring - RR-1							\$	3,5
	Exercise - 209	239	SF	\$	15.00	\$	3,584	Ŧ	-,-
9 65 00	Resilient Flooring - RF-1		05	•	10.00	•	4 000	\$	18,0
	Lobby - 105	112	SF	\$	12.00	\$	1,339		
	Hall 1 - 106	90 25	SF SF	\$	12.00	\$	1,080		
	Storage - 113 Kitchen/Dining - 206	25 520	SF	\$ \$	12.00 12.00	\$ \$	294 6,242		
	Dayroom - 207	483	SF	\$	12.00	φ \$	5,793		
	Hall 2 - 208	179	SF	Ψ \$	12.00	\$	2,154		
	Laundry - 217	63	SF	\$	12.00	\$	762		
	Storage - 218	35	SF	\$	12.00	\$	425		
9 68 00	Carpet - CP-1	170	05	۴		¢		\$	15,4
	Staff - 107	172	SF	\$	9.00	\$	1,544		
	Records - 109	30 260	SF SF	\$ ¢	9.00	\$ ¢	270		
	Administration - 110 Monting - 111	260 432	SF	\$ \$	9.00 9.00	\$ \$	2,338 3,890		
	Meeting - 111 Office 1 - 204	432 125	SF	ъ \$	9.00 9.00	ъ \$	3,890 1,129		
	Captain's Office - 205	125	SF	Գ \$	9.00	э \$	1,129		
	Hall 3 - 211	125	SF	φ \$	9.00	\$	1,123		
	Dorm 1 - 212	151	SF	\$	9.00	\$	1,355		
	Dorm 2 - 213	150	SF	\$	9.00	\$	1,351		
	Dorm 3 - 214	150	SF	\$	9.00	\$	1,348		
9 91 23	Interior Paint	40 477	05	¢	0.00	¢	40 404	\$	57,2
	Painting Walls & Ceilings	16,477	SF	\$	3.00	\$	49,431		
	Apparatus Bay Ceiling Misc. Patch and Paint	1,256 1	SF LS	\$ \$	5.00 1,500.00	\$	6,280 1,500		
						\$	4 500		

\$

332,146



Based o	n Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	aft Estim	ate Date:	10/07	/2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit	U	nit Cost	Exte	ension		Group tension
Div. 10	SPECIALTIES								
10 14 00	Signage New Interior Signage (ADA, ID, Egress)	6,133	GSF	\$	3.00	\$	18,399	\$	18,3
10 26 12	Wall Protection and Corner Guards Wall and Corner Protection	1	Allow	\$	5,000.00	\$	5,000	\$	5,0
10 21 16	<b>Compartments</b> Shower Compartment and Accessories Office Partition Administration	2 1	EA Allow	\$ \$	2,850.00 5,000.00	\$ \$	5,700 5,000	\$	10,7
10 28 00	Toilet and Bath Accessories Grab Bars Toilet Paper Dispenser Automatic Soap Dispenser Recessed Auto Paper Towel Dispenser w/Waste Recept Shower Folding Seat Steel Channel Mirror 24"x36"	6 3 1 1 3	EA EA EA EA EA	\$ \$ \$ \$ \$ \$	85.00 150.00 150.00 650.00 500.00 250.00	\$ \$ \$ \$ \$	510 450 450 650 500 750	\$	3,3
10 40 00	Safety Specialties Fire Extinguisher Cabinets Misc. Emergency Aid (Defib Cab/First Aid Etc.)	1 1	Allow Allow	\$ \$	3,000.00 5,000.00	\$ \$	3,000 5,000	\$	8,0
10 50 00	Storage Dorm Lockers Single Tier 72" Turnout Lockers (4-Compartment 24") (By Owner?)	9 3	EA EA	\$ \$	950.00 1,800.00	\$ \$	8,550 5,400	\$	13,9
	Division 11 - EQUIPMENT					\$	59,359	\$	59,3
Div. 11 11 13 00	EQUIPMENT Commercial Equipment Commercial Appliances Kitchen Equipment's Residential Equipment's Equipment's at Turnout room Washer Extractor Drying Cabinet Fitness Equipment's	1	Allow	\$	50,000.00	Include Include Include Include	50,000 d in above d in above d in above d in above d in above d in above	\$	50,0
	Division 11 - EQUIPMENT					\$	50,000	\$	50,0
Div. 12 12 40 00	FURNISHINGS Moveable Furnishings Furniture's Dayroom/Bedroom/Sleep room Furnishings Office Desk and Chairs Classroom Tables and Chairs Other Furniture	1	Allow	\$	30,000.00	Include Include	30,000 d in above d in above d in above d in above d in above	\$	30,0
12 36 00	<b>Casework</b> Fixed Lower Casework Fixed Upper Casework Fixed Kitchen Island Counter Fixed Kitchen Pantry Workshop Lower Casework and Countertops	55 63 10 14 20	LF LF LF LF	\$ \$ \$ \$ \$	450.00 350.00 500.00 500.00 250.00	\$ \$ \$ \$ \$	24,750 22,050 5,000 7,000 5,000	\$	63,8
12 36 00	Countertops							\$	16,2



	n Preliminary Schematic Pricing Set Design Dated 09/27/21 Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF		5.0		stimate Date:		
	Description	Quantity	Unit		Unit Cost		Extension	E	Group Extension
2 40 00	Furnishings and Accessories	Excluded							1
	FF & E (By Owner includes all furniture, tables, chairs, etc.	)							
2 48 00	Rugs and Mats Walk Off Mats	1	LS	\$	1,500.00	\$	1,500	\$	1,
		·	20	Ψ	1,000.00	Ψ	1,000		
2 21 23	Roll Down Blinds - BL-1 Roll Down Blinds (All Windows)	315	SF	\$	20.00	\$	6,300	\$	6,3
	Division 12 - FURNISHINGS					\$	117,850	\$	117,8
Div. 13	SPECIAL CONSTRUCTION								
	SPECIAL CONSTRUCTION							N/A	
	Division 13 - SPECIAL CONSTRUCTION								N/A
Div. 14	CONVEYING SYSTEMS							<b>^</b>	
4 00 00	Elevator & Lift Two-Stop Otis Hydro Fit unit standard Otis Fixtures,		-	•	400.000.00	<b>^</b>	400.000	\$	150,0
	Finishes, Cab Interior	1	EA	\$	120,000.00	\$	120,000		
	Cab Finishes Wheelchair Lift	1	EA EA	\$ \$	25,000.00 5,000.00	\$ \$	25,000 5,000		
	Division 14 - CONVEYING SYSTEMS	·	<u>_</u> / (	Ŧ	-,	\$	150,000	\$	150,0
Div. 21	FIRE SUPPRESSION							<u>^</u>	
21 00 00	Fire Protection System Fire Protection System	6,133	GSF	\$	10.00	\$	61,330	\$	61,3
	New Fire Water Connection (FDC) Backflow Preventer						ded in Site Cos ded in Site Cos		
	Division 21 - FIRE SUPPRESSION					\$	61,330	\$	61,3
						_	,		
Div. 22	PLUMBING								
Div. 22 22 00 00	PLUMBING Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In							\$	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up	1	LS	\$	15,000.00	\$	15,000	\$	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping	1	LS	\$	30,000.00	\$	30,000	\$	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet		LS EA	\$ \$	30,000.00 3,000.00	\$ \$	30,000 9,000	\$	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping	1 3 3 1	LS EA EA EA	\$ \$ \$	30,000.00 3,000.00 3,200.00 3,850.00	\$	30,000 9,000 9,600 3,850	\$	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double	1 3 3	LS EA EA	\$ \$ \$	30,000.00 3,000.00 3,200.00	\$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900	·	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink	1 3 3 1	LS EA EA EA	\$ \$ \$	30,000.00 3,000.00 3,200.00 3,850.00	\$ \$ \$ \$ Exis	30,000 9,000 9,600 3,850 9,900 ting to be used	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System	1 3 3 1	LS EA EA EA EA	\$ \$ \$ \$ \$	30,000.00 3,000.00 3,200.00 3,850.00	\$ \$ \$ \$ Exis	30,000 9,000 9,600 3,850 9,900 ting to be used ting to be used 8,800	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower	1 3 1 3 2 1	LS EA EA EA EA	\$\$\$\$	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00	\$ \$ \$ Exis \$ Exis \$	30,000 9,000 9,600 3,850 9,900 ting to be used ting to be used 8,800 6,500	I	160,:
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA	1 3 1 3 2 1 1	LS EA EA EA EA EA	****	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00	\$ \$ Exis Exis \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used ting to be used 8,800 6,500 2,000	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher	1 3 1 3 2 1 1 1	LS EA EA EA EA EA EA	****	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 500.00	\$ \$ \$ Exis Exis \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA	1 3 1 3 2 1 1	LS EA EA EA EA EA	****	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 500.00 2,500.00	\$ \$ Exis Exis \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500 5,000	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink	1 3 1 3 2 1 1 1 2	LS EA EA EA EA EA EA EA	****	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 500.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink FD-1 Floor Drain Linear Trench Drain WH-1 Water Heater	1 3 1 3 2 1 1 1 2 2 2 8 1	LS EA EA EA EA EA EA EA EA EA EA	****	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 500.00 2,500.00 1,500.00 1,500.00 8,500.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500 5,000 3,000 3,500 8,500	I	160,2
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink FD-1 Floor Drain Linear Trench Drain WH-1 Water Heater CP-1 Hot Water Recirculation Pump	1 3 1 3 2 1 1 1 2 2 2 8 1 1	LS EA EA EA EA EA EA EA EA EA EA	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 2,500.00 1,500.00 1,500.00 1,500.00 8,500.00 2,500.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500 5,000 3,000 3,500 8,500 2,500	I	160,:
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink FD-1 Floor Drain Linear Trench Drain WH-1 Water Heater CP-1 Hot Water Recirculation Pump ET-1 Expansion Tank	1 3 1 3 2 1 1 1 2 2 2 8 1	LS EA EA EA EA EA EA EA EA EA EA EA EA	\$\$\$\$\$\$	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 2,500.00 1,500.00 1,500.00 1,500.00 8,500.00 3,850.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500 5,000 3,000 3,500 8,500 2,500 3,850	I	160,:
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink FD-1 Floor Drain Linear Trench Drain WH-1 Water Heater CP-1 Hot Water Recirculation Pump ET-1 Expansion Tank SOI -1 Sand & Oil Interceptor	1 3 1 3 2 1 1 1 2 2 2 8 1 1	LS EA EA EA EA EA EA EA EA EA EA EA EA EA	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 2,500.00 1,500.00 1,500.00 1,500.00 8,500.00 3,850.00 18,250.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 5,000 3,000 3,500 8,500 2,500 3,850 18,250	I	160,3
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink FD-1 Floor Drain Linear Trench Drain WH-1 Water Heater CP-1 Hot Water Recirculation Pump ET-1 Expansion Tank	1 3 1 3 2 1 1 1 2 2 2 8 1 1	LS EA EA EA EA EA EA EA EA EA EA EA EA	\$\$\$\$\$\$	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 4,400.00 6,500.00 2,000.00 2,500.00 1,500.00 1,500.00 1,500.00 8,500.00 3,850.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500 5,000 3,000 3,500 8,500 2,500 3,850	I	160,:
	Domestic Water/ Sanitary Waste/ Vent & Service Piping Including Connections and Rough In Management, Detailing, Submittals, Permits & Clean-up Waste & Vent Piping Water Closet Lavatory Mop sink Service sink, double Kitchen sink, dbl, SS faucet, disposer Laundry sink, single Shower Complete System Emergency Shower Laundry Box, with WHA Connection for Dishwasher FS-1 Floor Sink FD-1 Floor Drain Linear Trench Drain WH-1 Water Heater CP-1 Hot Water Recirculation Pump ET-1 Expansion Tank SOI -1 Sand & Oil Interceptor Fire Stopping & Acoustical Seal Penetrations	1 3 1 3 2 1 1 1 2 2 2 8 1 1	LS EA EA EA EA EA EA EA EA EA EA EA EA EA	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	30,000.00 3,000.00 3,200.00 3,850.00 3,300.00 6,500.00 2,000.00 2,500.00 1,500.00 1,500.00 1,25.00 8,500.00 3,850.00 18,250.00 2,500.00	\$ \$ \$ Exis \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	30,000 9,000 9,600 3,850 9,900 ting to be used 8,800 6,500 2,000 500 5,000 3,000 3,500 8,500 2,500 3,850 18,250 2,500	I	160,:



Buscu o	n Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	ft E	stimate Date:	10/0	07/2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit		Unit Cost		Extension	E	Group Extensior
3 00 00	Heating & Cooling System							\$	688,6
	ERV-1, Energy Recovery Unit 3,200-cfm	1	EA	\$	40,900.00	\$	40,900	·	
	OU-1 & 2 VRF Outdoor Heat Recovery Condenser	4	EA	\$	15,200.00	\$	60,800		
	IU-1 thru 18 VRF Indoor Units	18	EA	\$	3,280.00	\$	59,040		
	IR-1 thru 9 Infrared Heaters	9	EA	\$	3,550.00	\$	31,950		
	DX Piping	1	LS	\$	115,500.00	\$	115,500		
	VRF Hook-up	18	EA	\$	1,600.00	\$	28,800		
	Supply Air Galvanized Ducting	1	LS	\$	114,400.00	\$	114,400		
	Roof Supports	1	LS	\$	33,250.00	\$	33,250		
	Fire Smoke Damper	20	EA	\$	1,650.00	\$	33,000		
	Air Outlets & Volume Dampers	48	EA	\$	135.00	\$	6,480		
	Roof Supports Duct & Pipe	1	LS	\$	15,000.00	\$	15,000		
	Fire Stopping & Acoustical Seal Penetrations	1	LS	\$	2,500.00	\$	2,500		
	Duct Insulation	1	LS	\$	20,000.00	\$	20,000		
	HVAC Controls	1	LS	\$	90,000.00	\$	90,000		
	Louvers	2	EA	\$	1,500.00	\$	3,000		
	Air & Water Balance	1	LS	\$	14,000.00	\$	14,000		
	Demo Management, Detailing, Submittals, Permits & Clean-up	1	LS LS	\$ \$	5,000.00 15,000.00	\$ \$	5,000 15,000		
		I	LO	φ	13,000.00	φ	15,000		
	Division 23 - HEATING, VENTILATING, and AIR CONDITION	ING (HVAC)				\$	688,620	\$	688,0
Div. 26	ELECTRICAL								
6 <b>00 00</b>	Electrical							\$	279,2
6 00 00	Electrical								
	Demolition	<b>a</b> /	<u>-</u>	*		•			
	Soft demo	6,133	SF	\$	2.00	\$	12,266		
	Switchgear and Feeders								
	Electrical panels and feeders (add or revise existing	1	LS	\$	25,000.00	\$	25,000		
	Lighting								
	Lighting fixtures including branch wiring	C 400	SF	\$	17.00	\$	104,261		
		6,133	SF	φ	11.00				
	Fixture type F1	6,133 5	EA	φ	11.00				
	Fixture type F2	5 9	EA EA	φ	11.00				
	Fixture type F2 Fixture type F3	5 9 33	EA EA EA	Φ	11.00				
	Fixture type F2 Fixture type F3 Fixture type F4	5 9 33 13	EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5	5 9 33 13 1	EA EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6	5 9 33 13 1 1 10	EA EA EA EA EA	φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2'	5 9 33 13 1 10 2	EA EA EA EA EA EA	φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4'	5 9 33 13 1 10 2 3	EA EA EA EA EA EA EA	φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8	5 9 33 13 1 10 2 3 2	EA EA EA EA EA EA EA	φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9	5 9 33 13 1 10 2 3 2 1	EA EA EA EA EA EA EA EA	φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10	5 9 33 13 1 10 2 3 2 1 6	EA EA EA EA EA EA EA EA EA	φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11	5 9 33 13 1 10 2 3 2 1 6 4	EA EA EA EA EA EA EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12	5 9 33 13 1 10 2 3 2 1 6 4 3	EA EA EA EA EA EA EA EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13	5 9 33 13 1 10 2 3 2 1 6 4	EA EA EA EA EA EA EA EA EA EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F14	5 9 33 13 1 10 2 3 2 1 6 4 3 2	EA EA EA EA EA EA EA EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F14 Fixture type F15	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1	EA EA EA EA EA EA EA EA EA EA EA EA EA	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F14	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 2	EA EA EA EA EA EA EA EA EA EA EA EA EA E	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F14 Fixture type F15 Fixture type F16	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 2 4	EA EA EA EA EA EA EA EA EA EA EA EA EA E	Φ					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F14 Fixture type F15 Fixture type F16 Fixture type X1	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 2 4 4	EA EA EA EA EA EA EA EA EA EA EA EA EA E	9					
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F13 Fixture type F14 Fixture type F15 Fixture type F16 Fixture type X1 Lighting outlets Branch conduit and wire <b>Lighting controls</b>	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 2 4 4 105 2,000	EA E						
	Fixture type F2 Fixture type F3 Fixture type F4 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F8 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F13 Fixture type F15 Fixture type F16 Fixture type F16 Fixture type X1 Lighting outlets Branch conduit and wire <b>Lighting controls</b> Allowance for devices to include	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 2 4 4 105 2,000 6,133	EA EA EA EA EA EA EA EA EA EA EA EA EA E	\$	4.00	\$	24,532		
	Fixture type F2 Fixture type F3 Fixture type F3 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F7 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F13 Fixture type F15 Fixture type F16 Fixture type F16 Fixture type X1 Lighting outlets Branch conduit and wire <b>Lighting controls</b> Allowance for devices to include Ceiling mounted occupancy sensor	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 6 4 3 2 1 2 4 4 105 2,000 6,133 INCL	EA E			\$	24,532		
	Fixture type F2 Fixture type F3 Fixture type F3 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F7 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F13 Fixture type F15 Fixture type F16 Fixture type F16 Fixture type F16 Fixture type X1 Lighting outlets Branch conduit and wire <b>Lighting controls</b> Allowance for devices to include Ceiling mounted occupancy sensor Power pack	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 6 4 3 2 1 2 4 4 105 2,000 6,133 INCL INCL	EA E			\$	24,532		
	Fixture type F2 Fixture type F3 Fixture type F3 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F7-4' Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F13 Fixture type F15 Fixture type F16 Fixture type F16 Fixture type F16 Fixture type X1 Lighting outlets Branch conduit and wire <b>Lighting controls</b> Allowance for devices to include Ceiling mounted occupancy sensor Power pack Lighting bridge	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 6 4 3 2 1 2 4 4 105 2,000 6,133 INCL INCL INCL	EA E			\$	24,532		
	Fixture type F2 Fixture type F3 Fixture type F3 Fixture type F5 Fixture type F6 Fixture type F7-2' Fixture type F7-4' Fixture type F7 Fixture type F9 Fixture type F10 Fixture type F11 Fixture type F12 Fixture type F13 Fixture type F13 Fixture type F15 Fixture type F16 Fixture type F16 Fixture type F16 Fixture type X1 Lighting outlets Branch conduit and wire <b>Lighting controls</b> Allowance for devices to include Ceiling mounted occupancy sensor Power pack	5 9 33 13 1 10 2 3 2 1 6 4 3 2 1 6 4 3 2 1 2 4 4 105 2,000 6,133 INCL INCL	EA E			\$	24,532		



	n Preliminary Schematic Pricing Set Design Dated 09/27/21				Dian	Estimate Date:	. JI UT / ZUZ I
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF				
	Description	Quantity	Unit		Unit Cost	Extension	Group Extensio
	Lighting receptacle power pack Lighting dimming power pack Lighting wall occupancy sensor Lighting dimming control Branch conduit and wire Title 24 requirements Testing	INCL INCL INCL INCL INCL INCL INCL					
	Devices Duplex receptacle 4plex WP GFI Controlled duplex USB duplex Cord reels L5-20 outlets L5-30 outlets Floor box Branch conduit and wire Connection to Mechanical	6,133 INCL INCL INCL INCL INCL INCL INCL INCL	SF	\$	5.00	\$ 30,665	
	30 amp connection 60 amp connection 30 amp disconnect N-1 60 amp disconnect N-1 30 amp disconnect N-3R 60 amp disconnect N-3 R Allowance for equipment not shown Elevator feeder Elevator disconnect Car lighting disconnect Pit wiring Gate motor controller Branch circuits	17 3 14 2 1 1 50 1 1 1 1 1000	EA EA EA EA EA EA EA EA LS LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	454.28 446.94 597.07 496.64 693.82 5,000.00 65.00 725.00 446.94 1,270.00 1,500.00	\$ 5,849 \$ 1,363 \$ 6,257 \$ 1,194 \$ 497 \$ 694 \$ 5,000 \$ 3,250 \$ 725 \$ 447 \$ 1,270 \$ 1,500 \$ 23,990	
	Misc. ARC Fault Temp Power Temp power maintenance Fire caulk Division 26 - ELECTRICAL	1 1 1 1	LS LS LS LS	\$ \$ \$	15,000.00 8,500.00 4,500.00	\$ 2,500 \$ 15,000 \$ 8,500 \$ 4,500 \$ 279,259	\$ 279
Div 07		_	-		_	φ 213,233	ψ 215
Div. 27 27 00 00	COMMUNICATIONS Communication Provision for IT room (plywood, cable tray grounding and Data voice outlets Conduit from com room to roof antenna WAP Rack Patch panel Patch cord Testing labeling terminating POE switch Cat6 cable FSAS (owner furnished and installed)	1 18 1 12 3 3 144 144 144 1 4,800	LS EA EA EA EA EA EA LF	\$\$\$\$\$\$\$	$\begin{array}{c} 140.00\\ 2,500.00\\ 920.00\\ 325.00\\ 450.00\\ 9.60\\ 12.00\\ 4,500.00\\ 9.50\end{array}$	\$ 15,000 \$ 2,520 \$ 2,500 \$ 11,040 \$ 975 \$ 1,350 \$ 1,382 \$ 1,728 \$ 4,500 \$ 45,600	\$ 124 <sub>:</sub>
	Conduit rough in for FSAS CATV Outlet and wiring for (flat screen TV by owner) Video intercom master Video intercom slave	1 11 1 3	ls LS LS EA	\$ \$ \$	1,800.00 3,500.00	\$ 7,500 \$ 19,800 \$ 3,500 \$ 7,500	
						\$ 124,895	\$ 124



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Based of	n Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	ft E	stimate Date:	10/07/	2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit		Unit Cost		Extension		Group tensior
28 00 00	Security and life safety							\$	108,8
20 00 00	Fire Alarm All devices to include FACP FAA Smoke detector Heat detector Flow and tamper PIV Horn/strobe Strobe Elevator connection Pull station Conduit and cable Testing Certification Training	6,133 INCL INCL INCL INCL INCL INCL INCL INCL	SF	\$	6.00	\$	36,798	Ð	106,6
	Security Access Control Head end Card reader Door position switch Electric lock Roll up door positioning switch Window position switch Testing Training Branch conduit and wire	1 7 8 7 4 7 1 1 1360	EA EA EA EA LS LS LS	\$\$\$\$\$\$\$	1,800.00 390.00 420.00 410.00 525.00 510.00 2,500.00 2,500.00 23.99	* * * * * * * * *	1,800 2,730 3,360 2,870 2,100 3,570 2,500 2,500 32,626		
	<b>CCTV</b> 360 camera outdoor Wall arm Data port Branch conduit and wire.	3 3 3 200	EA EA EA LF	\$ \$ \$ \$	3,500.00 750.00 150.00 23.99	\$\$\$\$	10,500 2,250 450 4,798		
	Division 28 - ELECTRONIC SAFETY AND SECURITY					\$	108,852	\$	108,8
Div. 33	UTILITIES		-	-				_	
3 00 00	Electrical Site Utilities							\$	48,1
	Misc. Electrical Site Utilities . 1" PVC for future EVC, end at N-17 box 1" RGS MT from roof to future PV panel, terminate in N-3R Connect motorized gate controller Install conduit for loop detection to gate controller Install stanchion for card reader and associated 3/4" 3/4" PVC w/ 4/#10 for power to gates Ditchwitch	1	LS	\$	15,000.00	\$	15,000		
	Site Communication to include 4" PVC ATT conduit 24x36x24 ATT in ground pull box. Demo existing box and 2-2" PVC for MCTB traffic 2" Comcast service conduit 17x 30 Comcast box with traffic lid 2" PVC w/3-CAT6A outdoor rated PIV fire alarm switch 3/*4" PVC w/1-16TSP Excavation, backfill and compaction	1	LS	\$	25,000.00	\$	25,000		

Site Security

Kensington Public Safety Building Renovation					n	MicroF a preconstr	L <b>stii</b> uctio	mating Inc. n services company
Based on Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	ft Es	stimate Date:	10/	07/2021
Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
Description	Quantity	Unit	U	Init Cost		Extension		Group
Description	,							Extension
None shown add allowance for cameras Underground Pipe Utilities	1	LS	\$	8,100.00		8,100		Extension
None shown add allowance for cameras		LS	\$	8,100.00		8,100 48,100	\$	48,100

Based o	on Preliminary Schematic Pricing Set Design Dated 09/27/21				Dra	ift Est	imate Date:	10/07	7/2021
	Ground Street Level <u>Second Level</u> Total Gross Area	2,871 <u>3,262</u> 6,133	SF <u>SF</u> SF						
	Description	Quantity	Unit		Unit Cost	E	Extension	E	Group xtensio
_	SITE IMPROVEMENTS COST								_
)iv. 32	SITE IMPROVEMENTS COST	-	-	1	_		_	-	-
	Parking Lot							\$	60,
	Existing Parking - Concrete Repair	1,500	SF	\$	8.00	\$	12,000	Ŧ	,
	Existing Ashphalt Aodifications	5,000	SF	\$	4.00	\$	20,000		
	Draiveway Repair	1,000	SF	\$	15.00	\$	15,000		
	Replace Sidewalk	450 1	SF LS	\$ \$	25.00 2,500.00	\$ \$	11,250 2,500		
	Striping & Signage	I	LO	φ	2,000.00	φ	∠,500		
	Pedestarin Improvements							\$	22
	Replace Cub & Gutter	100	LF	\$	50.00	\$	5,000		
	Rplace Ramp	500	SF	\$	35.00	\$	17,500		
	Landscape & Irrigation							\$	5
	Landscape & Irrigation	250	SF	\$	15.00	\$	3,750		
	Irrigation	250	SF	\$	5.00	\$	1,250		
	Site Utilities							\$	62
	Sewer Lines	30	LF	\$	150.00	\$	4,500	Ŧ	
	Manhole	1	EA	\$	5,500.00	\$	5,500		
	Trench drain	80	LF	\$	125.00	\$	10,000		
	Domestic Water	30	LF	\$	90.00	\$	2,700		
	Fire Water	200	LF	\$	150.00	\$	30,000		
	Backflow Preventer	1	EA EA	\$ \$	7,500.00	\$ ¢	7,500		
	FDC	1	EA	Φ	2,500.00	\$	2,500		
	All Electrical Site Utilities are included in the Building Cost				Ind	luded	l in Building C	ost	
	Additional Improvements							\$	31
	Site Improvements at Arlington Street	700	SF	\$	45.00	\$	31,500		
	SUBTOTAL OF DIRECT CONSTRUCTION COST					\$	182,450	\$	182
	CONTINGENCIES (DESIGN & ESTIMATING)				10.00%			\$	18
	TOTAL DIRECT TRADE COST INCLUDING CONTINGENCY							\$	200
	INDIRECT COST								
	GENERAL CONDITIONS and GR				15.00%			\$	30
	OFFICE OVERHEAD/GENERAL CONTRACTOR FEE				10.00%			\$	23
	BOND AND INSURANCE				2.00%			\$	5
	TOTAL COST BEFORE ESCALATION							\$	258
	ESCALATION TO MID- POINT OF CONSTRUCTION				8.10%			\$	20



# **Qualifications & Assumptions**

# **Kensington Public Safety Building Renovation**

# **Basis of the Estimate:**

This estimate is based on the plans and specifications which is labeled as Preliminary Schematic Pricing Set Design prepared by MARJANG Architecture Dated 09/27/2021.

## **Project Description:**

Complte Rebuild of Areaabove First Floor Between grids 4-7

Exterior Work Includes New Siding And Paint, Patch And Repair To Existing.

New Covering At Roof At Eaves.

**Full Interior Remodel** 

See Civil, Structural, Mechanical, Electrical, Plumbing, Fire Protection, Audio Visual, Electrical, And Security Drawings For Scope Of Work.

# Exclusions

- 1) Utility Connection Fees
- 2) Furniture Fitting and Equipment (FFE) An Allowance is included ib the Estimate
- 3) Engineering and Architectural or any other Design Fees
- 4) Land Cost, Financing Cost and Legal Fees
- 5) Permit & Plan Check Fees
- 6) Testing and Inspection Cost
- 7) Quality Control Costs
- 8) Owner's Project Administration, Management and Supervision
- 9) Cost of Change Orders during Construction
- 10) Cost of Escalation Beyond the Assumed Construction Schedule
- 11) Owner's Relocation Costs
- 12) Any Work Related to Existing Conference Room and Security Storage Room is Excluded from this

# **Allowances**

An Allowance for FF&E is included ib the Estimate

# **Construction Schedule**

Construction Duration Assumed to be 15 Months which will be started in 06/01/2022 and will be completed in 09/01/2023. The work will be constructed in one phase with a normal construction period. All work is to be performed during regular working hour. No overtime work allowed in the estimate.

## **Project Delivery Method**

The estimate reflects our Opinion of Probable Construction Costs obtainable in the project locality on the date of this estimate under competitive bidding for a lump sum (Design-Bid-Build) contract with A minimum of 3 bids.



# **Qualifications & Assumptions**

**Kensington Public Safety Building Renovation** 

**Basis of the Estimate:** 

# **Basis of 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 references from other

# Direct Cost

1) The unit prices used in the direct cost estimate section are composite unit prices which include costs for material, labor, equipment and subcontractor's/supplier's mark-ups and sales tax.

- 2) Subcontractor's overhead and profit is included in each line item unit cost.
- 3) Labor costs are based on Prevailing wages for Bay Area focusing in XX county.

# Indirect Cost

Markups are added in the Summary to cover the following needed costs:

- a) General Contractor's general conditions and general requirements
- b) General contractor's overhead and profit, bonds and insurance
- c) Design phase contingency
- d) Cost escalation beyond the assumed construction mid-point
- e) Other indirect costs which may be needed to complete the project.

## **Cost Escalation**

Escalation is based on 6% Average annually to the mid [point of construction. Project Construction anticipated to start on 06/01/2022 with a completing in 09/01/2023 with 15 Month Duration.

## **Items Impacting Costs**

The following is a list of items that may affect the cost estimate:

- a) Modifications to the scope of work or assumptions included in this estimate
- b) Unforeseen sub-surface conditions such rock and hazardous material
- c) Special phasing requirements
- d) Restrictive technical specifications or excessive contract conditions
- e) Any specified item of equipment, material, or product that cannot be obtained from at least three
- f) Any other non-competitive bid situations.
- g) Any cost of handling, removal, treatment and transportation of hazardous Waste Material is Excluded.



# **Qualifications & Assumptions**

# **Kensington Public Safety Building Renovation**

# **Basis of the Estimate:**

# **General Qualifications of the Estimate**

This estimate represents MicroEstimating's opinion of probable construction costs based on professional experience and qualifications. Since we have no control over the cost of labor, materials or equipment, services furnished by others, contractor's method of pricing and carrying out of work, design work still to be completed, competitive bidding, or market conditions, we cannot guarantee that bid or final construction costs will not vary from our opinion of probable costs. These opinions of cost are based on current market conditions with a relatively low level of participation from General Contractors and Subcontractors on public works and private projects.

## **Bid Conditions**

Experience shows fewer bidders may result in higher bids, and conversely more bidders may result in lower bids. Therefore, it is important to obtain as many bids as possible.

# Market Conditions:

Due to the high number of construction projects currently underway in Bay Area there is a shortage or lack of participation in some special trades, as well as shortages of labor and skilled workers that may impact the cost of construction projects. These conditions may continue for a few years before construction slows. For this reason we suggest that the owner carry an additional 10% above and beyond this construction cost. This 10% is not considered to be a contingency of escalation factor, but is only to account for market volatility.





# **ESCALATION CALCULATION**

Date of Estimate Pricing Start of Construction End of Construction Construction Duration in Calendar Days	10/07/2021 6/1/2022 9/1/2023 457 Days 15 Months	i
Number of Days as of Estimate Report 1/2 of construction period (Mid-Point)	237 Days 229 Days	
Day of estimate pricing to mid-point	466 Days 16 Months	i
Mid-Point of Construction	1/15/2023	
Escalation Per Year Factor	6.0%	
Total Escalation to Mid-Point of Construction	8.10%	

#### KFPD Public Safety Building Look Ahead

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Program Validation & Confirmation																																		$\square$										1		_
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