



UNIVERSITY OF ALASKA  
ANCHORAGE

## ***SCHEMATIC DESIGN APPROVAL***

**Name of Project:** UAA Mat-Su Paramedic Program/Classroom Addition

**Location of Project:** Mat-Su Campus, Palmer, AK

**Project Number:** 10-0015

**Date of Request:** August 30, 2011

**Total Project Cost:** \$ 3,625,000

**Approval Required:** Schematic Design Approval

**Prior Approvals/Actions:** Preliminary Administrative Approval: November 2009  
Project Agreement: November 18, 2010  
Formal Project Approval: December 10, 2010

### **POLICY CITATION**

In accordance with Regents' Policy 05.12.043, Schematic Design Approval (SDA) represents approval of the location of the facility, its relationship to other facilities, the functional relationship of interior areas, the basic design including construction materials, mechanical, electrical, technology infrastructure, and telecommunications systems, and any other changes to the project since Formal Project Approval.

Unless otherwise designated by the approval authority or a Material Change in the project is subsequently identified, SDA also represents approval of the proposed cost of the next phase(s) of the project and authorization to complete the Construction Documents process, to bid and award a contract within the approved budget, and to proceed to completion of project construction.

For the Schematic Design Approval, if there has been no Material Change in the project since the Formal Project Approval, approval levels shall be as follows:

- TPC > \$4 million will require approval by the Facilities and Land Management Committee (F&LMC).
- **TPC > \$2 million but ≤ \$4 million will require approval by the Chairperson of the F&LMC.**
- TPC ≤ \$2 million will require approval by the university's Chief Finance Officer (CFO) or designee.

## RATIONALE AND RECOMMENDATION

Mat-Su College currently houses an associate's degree in the Nursing program (administered by UAA) and an associate's degree in the Paramedic Technology program. Existing laboratory space at the campus is inadequate to support these programs. Additional instructional space is required for these programs to grow and meet demand. The two programs will be co-located to share storage, classroom and training spaces.

### Project Scope

This project will create an addition to Snodgrass Hall to provide new, more functional space for the Paramedic and Nursing programs at the Mat-Su campus. Program specific classrooms and related support spaces will be provided, such as a room for an ambulance simulator and accident scenarios. A new medical air compressor will be located in the existing mechanical room to provide service to the addition. A new exterior door will be added to the mechanical room to facilitate equipment replacement. The existing septic system will be replaced. An existing greenhouse sits within the addition footprint and will be removed.

### Variance Report

The campus master plan showed this addition on the eastern side of Snodgrass Hall. During the design process we discovered that the existing building and a portion of the new addition violated an existing easement through the property. This easement will require the addition to be relocated to the south side of Snodgrass Hall.

The campus has added \$125,000 in operating funds for the replacement of the septic tank. The tank replacement was not in the original plans but will be required with the addition shifted to the southern side of Snodgrass Hall.

At FPA we anticipated being ready for SDA in June 2011. Unfortunately, the Schematic Design process was interrupted when we discovered the easement violation. As a result, the completion of the Schematic Design was delayed until August at which time the SDA was submitted. The FLMC Chairman has since requested that the SDA be submitted to the FLMC for approval based on the change in schedule. The FPA schedule showed five months from SDA to the completion of Construction Documents. With the delay in the Schematic Design, this period now spans the Thanksgiving, Christmas, and New Year's holidays, so an additional month was added to the schedule. With SDA approval now scheduled for September, Construction Documents will not be completed until March 2012, and construction is expected to start in May 2012.

The original construction schedule anticipated starting construction in April 2012, which provided at least some opportunity to get the building closed in before winter. Additionally, we only allowed 12 months for construction which is an extremely tight schedule for ground up construction in Alaska. With construction not starting until June, we no longer expect to get the building fully closed in by winter and have extended the completion date until August 2013 with plans to open for the Spring Semester.

### Proposed Total Project Cost and Funding Source(s)

FY 11 GO Bond 521038	\$3,500,000
Operating Funds	\$ 125,000

#### Estimated Annual Maintenance and Operating Costs (O&M)

Maintenance and Repair	\$38,063
Custodial	\$5,760
Grounds	\$4,480
Administration	\$4,480
Utilities	<u>\$16,640</u>
Total	\$69,423

#### Consultant(s)

Livingston Slone

#### Other Cost Considerations

None.

#### Backfill Plan

The Nursing and Paramedic programs will vacate existing undersized classrooms. This space will be converted into general purpose classrooms. No extraordinary remodeling is planned at this time.

#### Schedule for Completion

##### DESIGN

Conceptual Design	June 2011
Formal Project Approval	December 2010
Schematic Design	August 2011
Schematic Design Approval	September 2011
Construction Documents	March 2012

##### BID & AWARD

Advertise and Bid	March 2012
Construction Contract Award	April 2012

##### CONSTRUCTION

Start of Construction	May 2012
Date of Beneficial Occupancy	August 2013

#### Procurement Method for Construction

Design-Bid-Build

#### Affirmation

This project complies with Board Policy, the project agreement, and modifies the campus master plan.

#### Action Requested

Approval to complete the project construction documents, bid and award project in accordance with Total Project budget.

#### Supporting Document

Project Budget

Conceptual Design Layout and Elevations

**Schematic Design Approval is recommended:**



Kit Duke, Chief Facilities Officer

9.13.11

Date

**Schematic Design Approval is granted:**

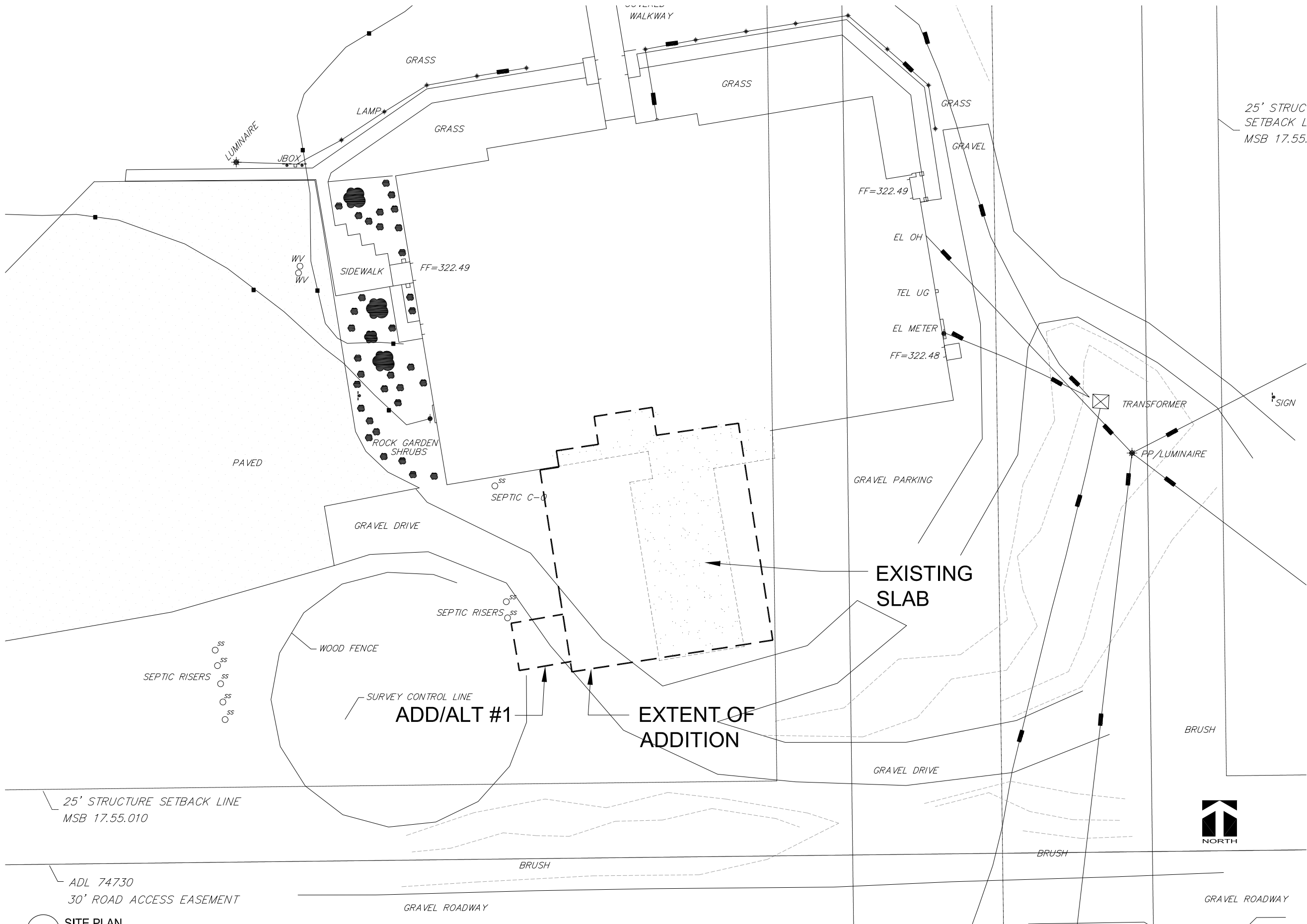


Carl Marrs, Chairperson, Facilities & Land Management Committee

9.14.11

Date

UNIVERSITY OF ALASKA		
Project Name:	Mat-Su Paramedic Program/Classroom Addition	
MAU:	UAA	
Building:	SnodGrass Hall	Date: 8/1/2011
Campus:	Mat-Su	Prepared by: FP&C
Project #:	10-0015	Acct #: 512038 106708 26700-106710
Total GSF Affected by Project:	6400	6400
<b>PROJECT BUDGET</b>	<b>FPA Budget</b>	<b>SDA Budget</b>
<b>A. Professional Services</b>		
Advance Planning, Program Development		
Consultant: Design Services 10%	258,000	258,000
Consultant: Construction Phase Services	0	
Site Survey	6,800	6,800
Soils Testing & Engineering	20,000	20,000
Special Inspections	20,000	20,000
Plan Review Fees / Permits	9,000	9,000
Other		
Professional Services Subtotal	<b>313,800</b>	<b>313,800</b>
<b>B. Construction</b>		
General Construction		
Contract(s)	2,580,000	2,705,000
Other Contractors (List: _____)		
Construction Contingency 10%	258,000	258,000
Construction Subtotal	<b>2,838,000</b>	<b>2,963,000</b>
Construction Cost per GSF	443	463
<b>C. Building Completion Activity</b>		
Equipment 1%	25,800	25,800
Furnishings 2%	51,600	51,600
Art 1%	25,800	25,800
Building Completion Activity Subtotal	<b>103,200</b>	<b>103,200</b>
<b>D. Owner Activities &amp; Administrative Costs</b>		
Project Plng, Staff Support 2%	70,000	70,000
Project Management 5%	175,000	175,000
Misc. Expenses: Advertising, Printing, Supplies, Etc.		
Owner Activities & Administrative Costs Subtotal	<b>245,000</b>	<b>245,000</b>
<b>E. Total Project Cost</b>	<b>3,500,000</b>	<b>3,625,000</b>
Total Project Cost per GSF	547	566
<b>F. Total Appropriation(s)</b>	<b>\$ 3,500,000</b>	<b>\$ 3,625,000</b>



1 SITE PLAN  
APPROXIMATE SCALE: 1/32"=1'-0"

UNIVERSITY OF ALASKA ANCHORAGE - MatSu COLLEGE  
PARAMEDIC / NURSING PROGRAM  
LAB & CLASSROOM ADDITION  
PALMER, ALASKA

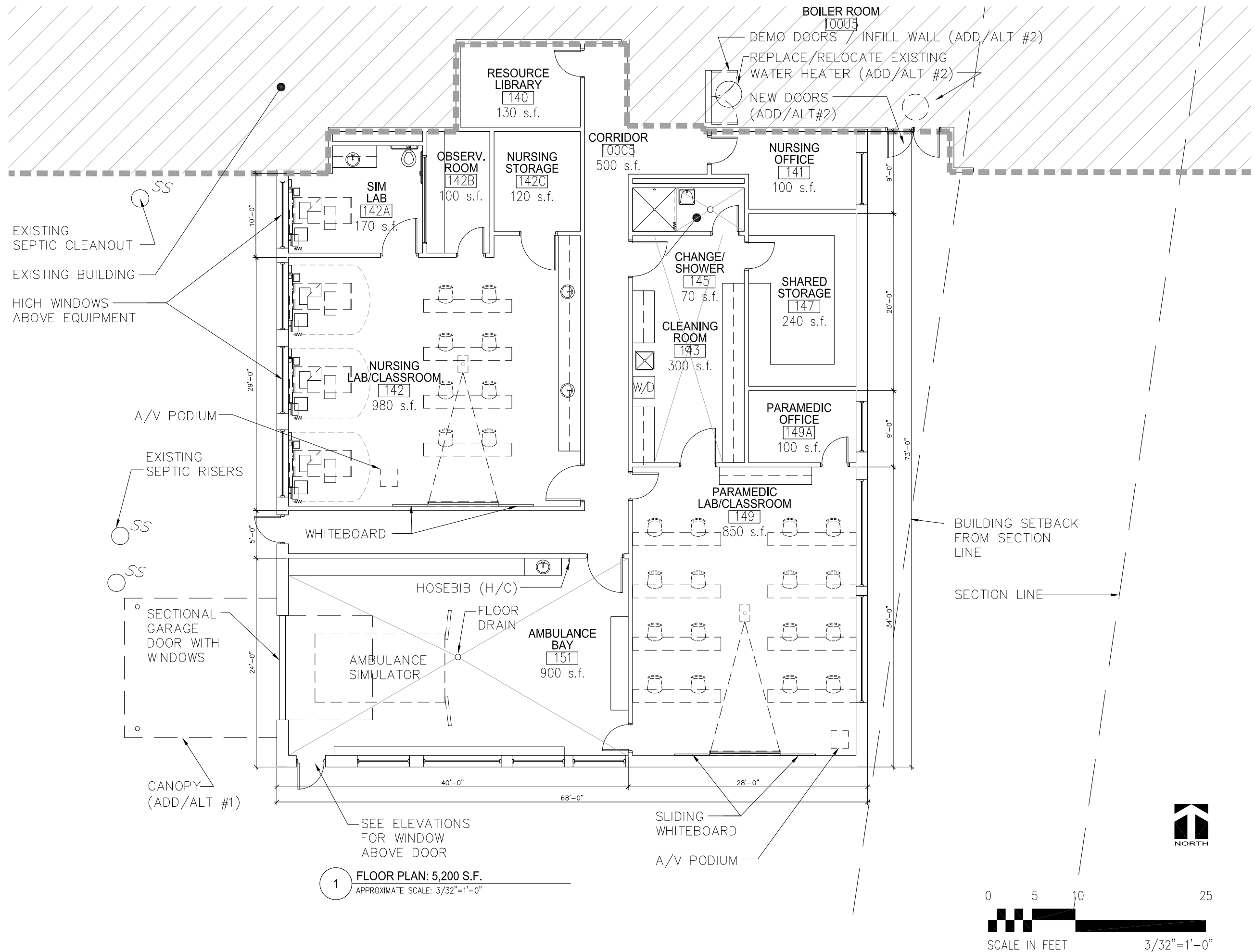
**LIVINGSTON STONE**  
ARCHITECTURE  
ENGINEERING  
PLANNING  
INTERIOR DESIGN  
3900 ARCTIC BOULEVARD  
SUITE 301  
ANCHORAGE, ALASKA 99503-5790  
TEL 907 562 2058  
FAX 907 561 5288

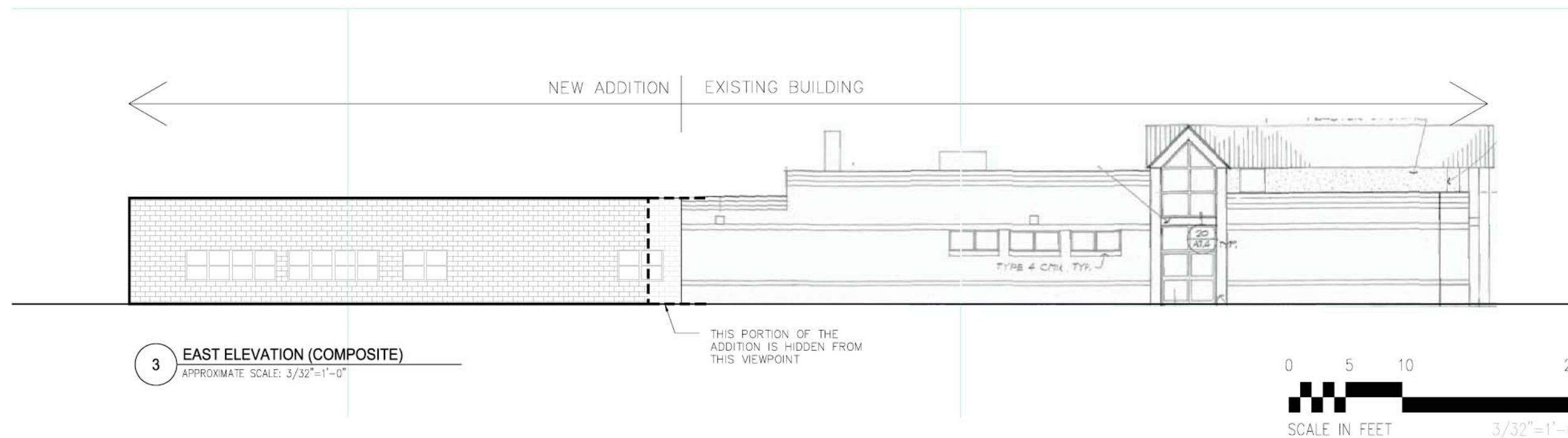
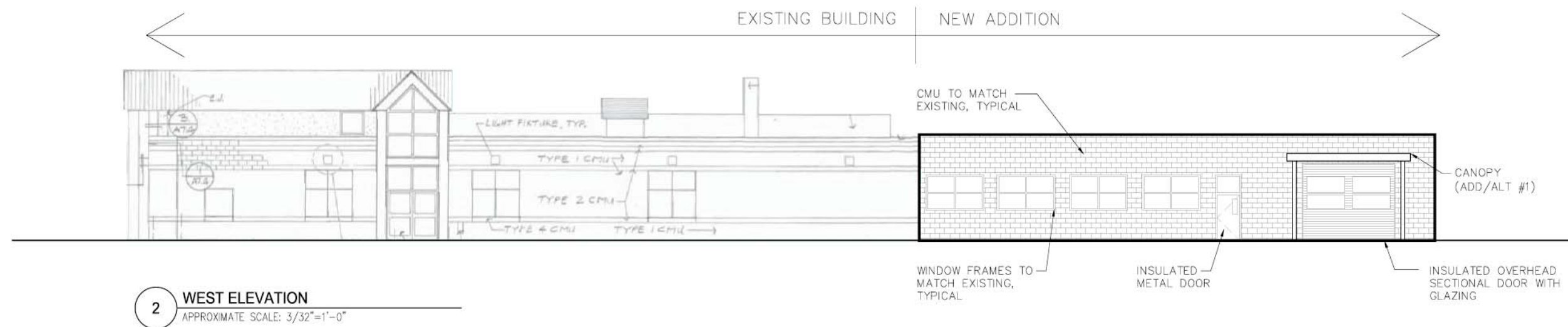
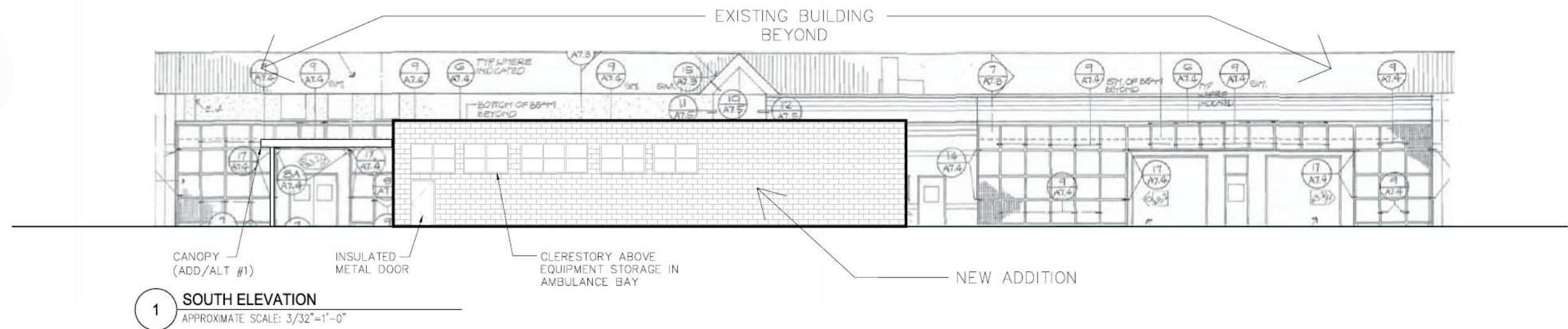
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PROJECT NO. 1103.00  
DRAWN BY: RJ  
REVIEWED BY: BK  
DATE: August 2, 2011

SCHEMATIC DESIGN  
TITLE  
PRELIMINARY  
SITE PLAN

SHEET NO.  
A100









## **PROJECT CHANGE APPROVAL**

**Name of Project:** Sitka Career Technology Remodel

**Location of Project:** UAS, Sitka Campus

**Project Number:** 2011-01

**Date of Request:** October 24, 2011

**Total Project Cost:** \$3,406,000 (current) increased to \$3,755,000

**Approval Required:** Chair F&LM Committee

**Prior Approvals/Actions:** Formal Project Approval: 12/09/2010  
Schematic Design Approval: 07/11/2011

### **POLICY CITATION**

In accordance with Regents' Policy 05.12.047, approval levels required for changes in the source of funds, increases in budget, or material in project scope identified subsequent to schematic design approval shall be determined by the chief finance officer based on the extent of the change and other relevant circumstances. This determination requires judgment, but will generally be based on the nature of the funding source, the amount, and the budgetary or equivalent scope impact relative to the approved budget at the schematic design approval stage, and assigned as follows:

- Changes with an estimated impact in excess of \$1.0 million will require approval by the board based on recommendations from the regents' committee responsible for facilities;
- Changes with an estimated impact in excess of \$0.4 million but not more than \$1.0 million will require approval by the regents' committee responsible for facilities;
- **Changes with an estimated impact in excess of \$0.2 million but not more than \$0.4 million will require approval by the chair of the regents' committee responsible for facilities;**
- Changes with an estimated impact in of \$0.2 million or less will require approval by the chief finance officer.

### **RATIONALE AND RECOMMENDATION**

Based on the design development cost estimate the total project budget for the scope of the work as described in previous project approvals is nearly \$400,000 more than previous estimates. There is no specific element we see that leads to this higher

estimate except that the nature of this project, partly remodel, partly new construction within currently unfinished space, is more complicated to estimate accurately.

Fortunately FY 12 capital R&R funds are available to add to the budget.

These R&R funds are appropriate since essential elements of the project include ventilation, exiting and code improvements. Specifically the project includes the enclosure and separation of the construction technology program and the construction of a new exit corridor.

#### **VARIANCE REPORT**

Three elements have changed in the budget. One, the estimated cost of the general contract has increased by approximately 15% from the FPE and SDA estimates. The construction contingency has been reduced from 10% to 8% and the budget for project management and administration has been reduced from 6% to 5% reflecting costs expended to date. The net effect of these adjustments is an increase in the project budget of \$349,000 for a total project cost of \$3,755,000.

#### **TOTAL PROJECT COST AND FUNDING SOURCE(S)**

**Funding sources are as follows:**

Title III grant		
FFY11	515195	501,320
FFY12	515195	2,068,700
		<u><b>2,570,020</b></u>
FY11 R&R (GF)	563123	650,000
GF Code Corrections	563115	185,000
FY12 R&R (GF)	563128	350,000
Total Funding		<u><b>3,755,020</b></u>

The total project budget is as follows:

UNIVERSITY OF ALASKA			
Project Name: UAS / Sitka CTE Remodel			
MAU: UAS			
Building: Sitka Campus Center		Date: 10/21/2011	
Campus: Sitka		Prepared By: WK Gerken	
Project Title: Career Technical Ed Remodel		Account No.:	
Total GSF Affected by Project: 11,490			
PROJECT BUDGET		Schematic Approval	Based on DD Estimate
<b>A. Professional Services</b>			
Consultant Basic Services	15.0%	390,000	390,000
Consultant Extra Services	2.5%	65,000	65,000
Commissioning		-	
Plan Review / Permits		40,000	40,000
Other		-	
<b>Professional Services Subtotal</b>		<b>495,000</b>	<b>495,000</b>
<b>B. Construction</b>			
General Contractor		2,360,000	2,736,000
Other Contractors		-	
Construction Contingency	8%	236,000	220,000
Art	0.5%	15,000	14,000
Other (Interim Space Needs)		-	
<b>Construction Subtotal</b>		<b>2,611,000</b>	<b>2,970,000</b>
Construction Cost per GSF		227	258
<b>C. Equipment and Furnishings</b>			
Equipment		55,000	55,000
Furnishings		55,000	55,000
Make Ready/Move In		-	
<b>Equipment and Furnishings Subtotal</b>		<b>110,000</b>	<b>110,000</b>
<b>D. Administrative Costs</b>			
Advance Planning		-	
Misc. Expenses			
Project Management	6%	190,000	180,000
<b>Administrative Costs Subtotal</b>		<b>190,000</b>	<b>180,000</b>
<b>E. Total Project Cost</b>		<b>3,406,000</b>	<b>3,755,000</b>
Total Project Cost per GSF		\$296	\$327

## SCHEDULE FOR COMPLETION

The schedule of the project is essentially the same as that at schematic. Construction documents are about one month behind schedule. No change in the completion date is anticipated.

**AFFIRMATION**

Prior approvals:

Formal Project Approval:

12/09/2010

Schematic Design Approval:

07/11/2011

**ACTION REQUESTED**

Approve an increase in the Total Project Cost to \$3,755,000.

**SUPPORTING DOCUMENTS**

September 9, 2011 Cost Estimate

**APPROVAL**

*Project Change Approval* is hereby granted:

  
Carl Marrs, Chair

Facilities and Land Management Committee

11/7/11  
Date

Recommend Approval:

  
Kit Duke, Chief Facilities Officer

11.4.11  
Date

**Career and Technical Education (CTE) Center Renovation  
University Of Alaska Southeast  
Sitka, Alaska**

**Construction Cost Estimate  
Design Development Submittal  
September 27, 2011**



1225 E. International Airport Road, Suite 205  
Anchorage, Alaska 99518  
907.561.0790

**Prepared for:**  
**NorthWind Architects, LLC**  
126 Seward Street  
Juneau, Alaska 99801  
907.586.6150

**Career and Technical Education (CTE) Center Renovation**  
**University Of Alaska Southeast**  
**Prepared for NorthWind Architects, LLC by Estimations**

**Construction Cost Estimate**  
**Design Development Submittal**  
**September 27, 2011**

Description	Estimated Cost Plus		
	Estimated Cost	Contingency & Escalation	Div.
<b>Option 1</b>			
01 - GENERAL REQUIREMENTS	\$548,104	\$623,732	1
02 - SITEWORK	\$17,735	\$20,182	2
03 - CONCRETE	\$14,275	\$16,245	3
05 - METALS	\$102,211	\$116,314	5
06 - WOOD AND PLASTIC	\$9,188	\$10,456	6
07 - THERMAL & MOISTURE PROTECTION	\$11,352	\$12,918	7
08 - DOORS AND WINDOWS	\$50,566	\$57,543	8
09 - FINISHES	\$393,916	\$448,269	9
10 - SPECIALTIES	\$43,538	\$49,545	10
11 - EQUIPMENT	\$0	\$0	11
12 - FURNISHINGS	\$3,300	\$3,755	12
13 - SPECIAL CONSTRUCTION	\$0	\$0	13
15 - MECHANICAL	\$592,207	\$673,920	15
16 - ELECTRICAL	\$418,126	\$475,819	16
<b>Total Estimated Cost - Basic Bid:</b>	<b>\$2,204,518</b>	<b>\$2,508,699</b>	<b>&lt;&lt;&lt;&lt;</b>
<b>Alternates</b>			
A1 - New Floor & Ceiling Structure Above	<b>\$118,095</b>	<b>\$134,390</b>	A1
A2 - Two Story Corridor	<b>\$80,893</b>	<b>\$92,055</b>	A2
Estimating Contingency:		8.0%	
Escalation For Inflation:	16 Mths @ 4.0%	5.4%	

**Documents**

Design Development Submittal, Plans Dated September 14, 2011  
Assorted Catalog Cut Sheets

**Notes and Assumptions**

- 1 Based on 2012 procurement/2012 construction.
- 2 Labor rates based on Davis Bacon, 50 hours/week.
- 3 Weather, logistics and construction time window has been considered.
- 4 Assumes open competitive bid procurement.
- 5 Materials storage area will be designated near the building.
- 6 Furniture Not Included, including office workstations.

**Career and Technical Education (CTE) Center Renovation**  
**University Of Alaska Southeast**  
**Prepared for NorthWind Architects, LLC by Estimations**

**Construction Cost Estimate**  
**Design Development Submittal**  
**September 27, 2011**

Line				Material Costs		Labor Hours		Labor	Equip	Total	Total Cost
No.	Description	Qty	UNITS	Unit	Total	Units	Totals	Cost	Cost	Cost	w/ OH & P
1	<b>01 - GENERAL REQUIREMENTS</b>										
2											
3	<b>Project Management</b>										
4	Project Manager, 20 Hour/Week	19	WEEKS			20.000	380.0	\$29,260		\$29,260	\$29,260
5	Supervisor, 50 Hour/Week	17	WEEKS			50.000	850.0	\$46,750		\$46,750	\$46,750
6	QC/Safety, 50 Hour/Week	17	WEEKS			50.000	850.0	\$46,750		\$46,750	\$46,750
7	Project Expeditor, 20 Hour/Week	17	WEEKS			20.000	340.0	\$25,058		\$25,058	\$25,058
8	Time Keeper/Cost Control, 40 Hour/Week	17	WEEKS			40.000	680.0	\$14,960		\$14,960	\$14,960
9											
10	<b>Subsistence</b>										
11	Room & Board (15% Of The Total Labor Mandays)	246	MANDAY	\$75.00	\$18,459					\$18,459	\$18,459
12											
13	<b>Travel</b>										
14	Air Fare	8	EA	\$250.00	\$2,000					\$2,000	\$2,000
15											
16	<b>Small Tools &amp; Consumables</b>										
17	Consumables	1	LS	\$900.00	\$900					\$900	\$900
18	Small Tools	1	LS	\$4,410.00	\$4,410					\$4,410	\$4,410
19											
20	<b>Mobilization</b>										
21	Mobilization/Demob - Allow	1	LS	\$10,000.00	\$10,000	171.429	171.4	\$12,632		\$22,632	\$22,632
22											
23	<b>Equipment</b>										
24	Pickup (2 Ea)	17	WEEKS						\$7,933	\$7,933	\$7,933
25	Forklift (1 Ea)	17	WEEKS						\$11,333	\$11,333	\$11,333
26	Flatbed (1 Ea)	17	WEEKS						\$8,500	\$8,500	\$8,500
27	Manlift (2 Ea)	17	WEEKS						\$15,300	\$15,300	\$15,300
28											
29	<b>Other Requirements</b>										
30	Project Meetings	16	EA			4.000	64.0	\$2,464		\$2,464	\$2,464
31	Project Schedule	19,618	SF	\$0.10	\$1,962					\$1,962	\$1,962
32	Project Layout	19,618	SF	\$0.15	\$2,943					\$2,943	\$2,943
33	Temporary Facilities	4	MTHS								
34	Project Office Trailer	4	MTHS						\$5,600	\$5,600	\$5,600
35	Office Equipment/Supplies	4	MTHS	\$1,000.00	\$4,000					\$4,000	\$4,000
36	Project Tool Sheds	4	MTHS						\$1,600	\$1,600	\$1,600



**Career and Technical Education (CTE) Center Renovation**  
**University Of Alaska Southeast**  
**Prepared for NorthWind Architects, LLC by Estimations**

**Construction Cost Estimate**  
**Design Development Submittal**  
**September 27, 2011**

Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
37											
38	Project Safety Equipment	1	LS	\$2,200.00	\$2,200					\$2,200	\$2,200
39											
40	Temporary Services										
41	Chemical Toilets	4	MTHS	\$400.00	\$1,600					\$1,600	\$1,600
42	Power	4	MTHS	\$588.54	\$2,354					\$2,354	\$2,354
43	Lighting	19,618	SF	\$0.02	\$392	0.002	39.2	\$2,889		\$3,281	\$3,281
44											
45	Cleaning										
46	Progressive	20	MSF	\$2.00	\$39	1.143	22.4	\$1,651	\$39	\$1,729	\$1,729
47	Final	20	MSF	\$2.00	\$39	2.229	43.7	\$3,221	\$59	\$3,319	\$3,319
48											
49	Dumpsters	4	MTHS	\$460.00	\$1,840					\$1,840	\$1,840
50											
51	Record Documents	100	SHTS	\$150.00	\$15,000					\$15,000	\$15,000
52											
53	Operations and Maintenance Manuals	1	LS	\$1,500.00	\$1,500					\$1,500	\$1,500
54											
55	Contract Closeout and Training	1	LS	\$2,500.00	\$2,500					\$2,500	\$2,500
56											
57	Certified Payroll Fee	1	LS	\$5,000.00	\$5,000					\$5,000	\$5,000
58											
59											
60											
61											
62											
63											
64											
65											
66											
67	General Contractor Overhead	4%									\$78,782
68	General Contractor Profit (Fee)	5%									\$102,417
69	General Contractor Bond & Insurance	2.5%									\$53,769
70											
71	<b>Subtotal: 01 - GENERAL REQUIREMENTS</b>				\$77,138		3,440.7	\$185,635	\$50,365	\$313,138	<b>\$548,104</b>
72	Average Unit Price for this division is: \$27.94 per SF based on 19,618 SF										
73											

**Career and Technical Education (CTE) Center Renovation**  
**University Of Alaska Southeast**  
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**Construction Cost Estimate**  
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**September 27, 2011**

Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
74											
75	<b>02 - SITEWORK</b>										
76											
77	<b>02050 Selective Demolition</b>										
78	<b>Assume No Hazmat</b>										
79											
80	<b>Structural &amp; Architectural Demolition</b>										
81	Cut Door Opening 10" Conc Wall	1	EA			19.800	19.8	\$1,401	\$840	\$2,241	\$2,689
82	Dem Half Hgt Walls	56	LF			0.229	12.8	\$906		\$906	\$1,087
83	Demo Partitions	25	LF			0.460	11.5	\$814		\$814	\$977
84	Prep Concrete Slab For Topping	2,970	SF	\$0.20	\$594	0.036	106.9	\$8,613		\$9,207	\$11,048
85	Demo Door & Frame, Single	2	EA			1.500	3.0	\$212		\$212	\$254
86	Demo Door & Frame, Dbl	1	EA			2.000	2.0	\$142		\$142	\$170
87	Demo GWB As Required To Install New Columns	150	SF			0.043	6.5	\$460		\$460	\$552
88	Cut Opening For Door, Framed Wall	2	EA	\$50.00	\$100	2.000	4.0	\$283		\$383	\$460
89	Cut 8' Opening For Vestibule & Dbl Door Opening	1	EA			2.857	2.9	\$205	\$210	\$415	\$498
90											
91											
92											
93	<b>Subtotal: 02 - SITEWORK</b>				\$694		169.4	\$13,036	\$1,050	\$14,780	<b>\$17,735</b>
94	Average Unit Price for this division is: \$0.90 per SF based on 19,618 SF										
95											
96											
97	<b>03 - CONCRETE</b>										
98											
99	<b>03300 Cast-In-Place Concrete</b>										
100	<b>Concrete Topping Slab 3"</b>	<b>2,970</b>	<b>SF</b>								
101	Concrete	29	CY	\$175.00	\$5,075	1.575	45.7	\$3,382	\$1,015	\$9,472	\$9,472
102	Finish - Subcontract	2,970	SF	\$1.45	\$4,307					\$4,307	\$4,307
103	Cure	2,970	SF	\$0.02	\$59	0.002	5.9	\$437		\$496	\$496
104											
105											
106	<b>Subtotal: 03 - CONCRETE</b>				\$9,441		51.6	\$3,819	\$1,015	\$14,275	<b>\$14,275</b>
107	Average Unit Price for this division is: \$0.73 per SF based on 19,618 SF										
108											

**Career and Technical Education (CTE) Center Renovation**  
**University Of Alaska Southeast**  
**Prepared for NorthWind Architects, LLC by Estimations**

**Construction Cost Estimate**  
**Design Development Submittal**  
**September 27, 2011**

Line				Material Costs		Labor Hours		Labor	Equip	Total	Total Cost
No.	Description	Qty	UNITS	Unit	Total	Units	Totals	Cost	Cost	Cost	w/ OH & P
109											
110	<b>05 - METALS</b>										
111											
112	<b>05120 Structural Steel</b>										
113	<b>Floor 1</b>										
114	Columns HSS3x3x1/4	938	LBS	\$1.40	\$1,313	0.007	6.6	\$532	\$75	\$1,920	\$2,304
115	Columns HSS3.5x3.5x1/4, Second Floor	1,125	LBS	\$1.40	\$1,574	0.007	7.9	\$636	\$90	\$2,300	\$2,760
116	W21x44	3,652	LBS	\$1.40	\$5,113	0.007	25.6	\$2,063	\$292	\$7,468	\$8,962
117	W12x19	418	LBS	\$1.40	\$585	0.007	2.9	\$234	\$33	\$852	\$1,023
118	1000S162-68(50)	5,248	LBS	\$1.00	\$5,248	0.014	73.5	\$5,922	\$420	\$11,590	\$13,908
119	20 Ga. Metal Stud, 350S162-33 @ 4' O.C. - Bracing	601	LBS	\$1.00	\$601	0.014	8.4	\$677	\$48	\$1,326	\$1,591
120	Allow For Plate, Hardware, Anchorage, Etc.	992	LBS	\$1.40	\$1,389	0.014	13.9	\$1,120		\$2,509	\$3,011
121											
122	<b>Floor 2 - Ceiling Plan, Demo/Lecture</b>										
123	Columns HSS3.5x3.5x1/4, Second Floor	1,125	LBS	\$1.40	\$1,574	0.007	7.9	\$636	\$90	\$2,300	\$2,760
124	W24x68	11,356	LBS	\$1.40	\$15,898	0.007	79.5	\$6,405	\$908	\$23,211	\$27,854
125	W24x55	1,485	LBS	\$1.40	\$2,079	0.007	10.4	\$838	\$119	\$3,036	\$3,643
126	800T200-54(50), 8" Joist Track	233	LBS	\$1.00	\$233	0.014	3.3	\$266	\$19	\$518	\$621
127	800S125-54(50), 8" Ceiling Joist @ 2' O.C.	279	LBS	\$1.00	\$279	0.014	3.9	\$314	\$22	\$615	\$738
128	1000T125-54(50), 10" Ceiling Joist Track	267	LBS	\$1.00	\$267	0.014	3.7	\$298	\$21	\$586	\$704
129	1000S125-54(50), 10" Ceiling Joist @ 2' O.C.	3,502	LBS	\$1.00	\$3,502	0.014	49.0	\$3,948	\$280	\$7,730	\$9,276
130	600S162-54(50) Bracing	1,499	LBS	\$1.00	\$1,499	0.014	21.0	\$1,692	\$120	\$3,311	\$3,973
131	Allow For Plate, Hardware, Anchorage, Etc.	1,862	LBS	\$1.40	\$2,607	0.014	26.1	\$2,103		\$4,710	\$5,652
132											
133											
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**University Of Alaska Southeast**  
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Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
144											
145	<b>Floor 2 - Ceiling Plan, Office, Corridor, &amp; Files</b>										
146	600S162-43, 6" Ceiling Joist @ 2' O.C.	929	LBS	\$1.00	\$929	0.014	13.0	\$1,047	\$74	\$2,050	\$2,460
147	600T200-68, 6" Ceiling Joist Track	572	LBS	\$1.00	\$572	0.014	8.0	\$645	\$46	\$1,263	\$1,515
148	800T200-54(50), 8" Joist Track	502	LBS	\$1.00	\$502	0.014	7.0	\$564	\$40	\$1,106	\$1,327
149	800S125-54(50), 8" Ceiling Joist @ 2' O.C.	835	LBS	\$1.00	\$835	0.014	11.7	\$943	\$67	\$1,845	\$2,214
150	1000T125-54(50), 10" Ceiling Joist Track	159	LBS	\$1.00	\$159	0.014	2.2	\$177	\$13	\$349	\$418
151	1000S125-54(50), 10" Ceiling Joist @ 2' O.C.	575	LBS	\$1.00	\$575	0.014	8.0	\$645	\$46	\$1,266	\$1,519
152	16 Ga. Metal Stud, 350S162-54 @ 4' O.C. - Bracing	979	LBS	\$1.00	\$979	0.014	13.7	\$1,104	\$78	\$2,161	\$2,594
153	Allow For Hardware, Anchorage, Etc.	455	LBS	\$1.40	\$637	0.014	6.4	\$516		\$1,153	\$1,384
154											
155											
156											
157											
158											
159											
160											
161	<b>Subtotal: 05 - METALS</b>				\$48,949		413.6	\$33,325	\$2,902	\$85,176	<b>\$102,211</b>
162	Average Unit Price for this division is: \$5.21 per SF based on 19,618 SF										
163											
164											
165	<b>06 - WOOD AND PLASTIC</b>										
166											
167	<b>06100 Rough Carpentry</b>										
168	<b>Bearing Wall Sheathing</b>										
169	1/2" Fire Treated Plywood	2,854	SF	\$1.00	\$2,854	0.030	85.6	\$6,334		\$9,188	\$9,188
170											
171											
172											
173											
174											
175											
176	<b>Subtotal: 06 - WOOD AND PLASTIC</b>				\$2,854		85.6	\$6,334		\$9,188	<b>\$9,188</b>
177	Average Unit Price for this division is: \$0.47 per SF based on 19,618 SF										
178											

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				Unit	Total	Units	Totals				
179											
180	<b>07 - THERMAL &amp; MOISTURE PROTECTION</b>										
181											
182	<b>07210 Building Insulation</b>										
183	Sound Insulation 5.5"	8,400	SF	\$0.35	\$2,940	0.006	50.4	\$3,348		\$6,288	\$7,546
184	Sound Insulation 3.5"	1,858	SF	\$0.30	\$557	0.006	11.1	\$818		\$1,375	\$1,375
185	<b>07920 Joint Sealants</b>	19,618	SF	\$0.05	\$981	0.001	19.6	\$1,450		\$2,431	\$2,431
186											
187	<b>Subtotal: 07 - THERMAL &amp; MOISTURE PROTECTION</b>				\$4,478		81.1	\$5,616		\$10,094	<b>\$11,352</b>
188	Average Unit Price for this division is: \$0.58 per SF based on 19,618 SF										
189											
190											
191	<b>08 - DOORS AND WINDOWS</b>										
192											
193	<b>08110 Steel Doors and Frames</b>										
194	HM Insulated 3'0"x7'0"	1	EA	\$400.00	\$400	4.000	4.0	\$296		\$696	\$696
195	Insul. HM Frame	1	EA	\$220.00	\$220	4.000	4.0	\$296		\$516	\$516
196	HM Frames	14	EA	\$190.00	\$2,660	4.000	56.0	\$4,144		\$6,804	\$6,804
197											
198	<b>08211 Flush Wood Doors</b>										
199	Solid Core Wood Flush Door 3x7	9	EA	\$400.00	\$3,600	4.000	36.0	\$2,664		\$6,264	\$6,264
200	Solid Core Wood Flush Door 3x7, Pair	5	PAIR	\$800.00	\$4,000	3.000	15.0	\$1,110		\$5,110	\$5,110
201											
202	<b>08360 Overhead Doors</b>										
203	Rollup Door 10'W	1	EA	\$4,500.00	\$4,500	24.286	24.3	\$1,614		\$6,114	\$7,337
204											
205	<b>08710 Door Hardware</b>										
206	Int Hardware Sets	9	EA	\$800.00	\$7,200	4.000	36.0	\$2,664		\$9,864	\$9,864
207	Int Hardware Sets, Double Doors	5	EA	\$1,400.00	\$7,000	6.000	30.0	\$2,211		\$9,211	\$9,211
208	Ext Hardware Set	1	EA	\$1,900.00	\$1,900	6.000	6.0	\$444		\$2,344	\$2,344
209											
210	<b>08800 Glazing</b>										
211	Interior Glazing - Acoustical	32	SF	\$65.00	\$2,080	0.143	4.6	\$340		\$2,420	\$2,420
212											
213	<b>Subtotal: 08 - DOORS AND WINDOWS</b>				\$33,560		215.9	\$15,783		\$49,343	<b>\$50,566</b>
214	Average Unit Price for this division is: \$2.58 per SF based on 19,618 SF										
215											

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Line				Material Costs		Labor Hours		Labor	Equip	Total	Total Cost
No.	Description	Qty	UNITS	Unit	Total	Units	Totals	Cost	Cost	Cost	w/ OH & P
216											
217	<b>09 - FINISHES</b>										
218											
219	<b>09111 Non-Load-Bearing Steel Framing</b>										
220	Metal Framing 6" 20 Ga 16" o.c.	693	SF	\$0.87	\$602	0.046	31.9	\$2,361		\$2,963	\$3,556
221	Metal Framing 6" 20 Ga 24" o.c.	3,994	SF	\$0.58	\$2,316	0.030	119.8	\$8,865		\$11,181	\$13,417
222	Metal Framing 6" 16 Ga 12" o.c.	996	SF	\$1.78	\$1,774	0.079	78.7	\$5,824		\$7,598	\$9,118
223	Metal Framing 6" 16 Ga 24" o.c.	2,206	SF	\$0.95	\$2,096	0.042	92.6	\$6,852		\$8,948	\$10,738
224	Metal Framing 6" 14 Ga 24" o.c.	3,209	SF	\$1.55	\$4,973	0.046	147.6	\$10,922		\$15,895	\$19,074
225											
226	<b>09250 Gypsum Board</b>										
227	GWB 1/2" Walls	17,550	SF	\$0.40	\$7,020	0.019	333.4	\$24,671		\$31,691	\$38,029
228	Suspended GWB Soffits	96	SF	\$3.00	\$288	0.064	6.1	\$451		\$739	\$887
229	Tape & Finish	17,646	SF	\$0.12	\$2,118	0.021	370.6	\$27,424		\$29,542	\$35,450
230											
231	Homosote Sound Board 1/2"	13,018	SF	\$0.63	\$8,201	0.013	169.2	\$12,521		\$20,722	\$24,866
232											
233	<b>09512 Acoustical Tile Ceilings</b>										
234	2X4 Acoustical Suspended Ceiling	490	SF	\$3.25	\$1,593	0.023	11.3	\$872		\$2,465	\$2,465
235	Tectum	4,450	SF	\$8.00	\$35,604	0.029	129.1	\$9,963		\$45,567	\$45,567
236	Perf GWB System	3,132	SF	\$6.00	\$18,793	0.100	313.2	\$24,170		\$42,963	\$42,963
237	Sound Board Under 12X12 Glue On	1,782	SF	\$3.13	\$5,577	0.047	83.7	\$6,459		\$12,036	\$12,036
238											
239	<b>09650 Resilient Flooring</b>										
240	Resilient Base	1,049	LF	\$0.65	\$682	0.019	19.9	\$1,353		\$2,035	\$2,442
241	Flotex	3,293	SF	\$6.00	\$19,759	0.029	95.5	\$6,493		\$26,252	\$31,502
242	<b>09680 Carpet</b>										
243	Carpet Tiles	2,067	SF	\$4.50	\$9,303	0.029	60.0	\$4,079		\$13,382	\$16,058
244											
245	<b>09910 Painting</b>										
246	Paint	16,571	SF	\$0.15	\$2,486	0.019	314.8	\$21,849		\$24,335	\$29,202
247	Paint Doors & Frames	20	EA	\$5.00	\$100	1.500	30.0	\$2,082		\$2,182	\$2,618
248	Epoxy Flooring	4,494	SF	\$10.00	\$44,940					\$44,940	\$53,928
249											
250	<b>Subtotal: 09 - FINISHES</b>				\$168,225		2,407.4	\$177,211		\$345,436	<b>\$393,916</b>
251	Average Unit Price for this division is: \$20.08 per SF based on 19,618 SF										
252											

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Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
253											
254	<b>10 - SPECIALTIES</b>										
255											
256	<b>10101 Visual Display Surfaces</b>										
257	Marker Board	3	EA	\$544.00	\$1,632	2.000	6.0	\$399		\$2,031	\$2,437
258											
259	<b>10431 Signs</b>										
260	<b>Interior Architectural Signage</b>										
261	Room Signage	17	EA	\$45.00	\$765	0.250	4.3	\$286		\$1,051	\$1,261
262											
263	<b>10520 Fire-Protection Specialties</b>										
264	FEC	2	EA	\$225.00	\$450	1.000	2.0	\$133		\$583	\$700
265	FE Bracket Mounted	3	EA	\$75.00	\$225	0.500	1.5	\$100		\$325	\$390
266											
267	<b>10670 High Density Storage</b>										
268	HD Storage	310	SF	\$125.00	\$38,750					\$38,750	\$38,750
269											
270	<b>Subtotal: 10 - SPECIALTIES</b>				\$41,822		13.8	\$918		\$42,740	<b>\$43,538</b>
271	Average Unit Price for this division is: \$2.22 per SF based on 19,618 SF										
272											
273											
274	<b>11 - EQUIPMENT</b>										
275											
276	<b>Subtotal: 11 - EQUIPMENT</b>										
277	Average Unit Price for this division is: \$0.00 per SF based on 19,618 SF										
278											
279											
280	<b>12 - FURNISHINGS</b>										
281											
282	<b>12484 Floor Mats and Frames</b>										
283	Walkoff Carpet	60	SF	\$9.00	\$540	0.029	1.7	\$113		\$653	\$784
284	<b>15490 Window Treatment</b>										
285	Mecco Shades	7	EA	\$200.00	\$1,400	1.500	10.5	\$697		\$2,097	\$2,516
286											
287	<b>Subtotal: 12 - FURNISHINGS</b>				\$1,940		12.2	\$810		\$2,750	<b>\$3,300</b>
288	Average Unit Price for this division is: \$0.17 per SF based on 19,618 SF										
289											

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				Unit	Total	Units	Totals				
290											
291	<b>13 - SPECIAL CONSTRUCTION</b>		<b>NONE</b>								
292											
293											
294											
295											
296	<b>Subtotal: 13 - SPECIAL CONSTRUCTION</b>										
297	Average Unit Price for this division is: \$0.00 per SF based on 19,618 SF										
298											
299											
300	<b>15 - MECHANICAL</b>										
301											
302	<b>15010 General Conditions</b>										
303	Field Engineering: Submittals, Shop & Record Dwgs, Operating Instructions, O&M Manuals	80	HRS	\$5.00	\$400	1.000	80.0	\$3,080		\$3,480	\$3,480
304	Mob & Demob	1	LS	\$1,000.00	\$1,000	32.000	32.0	\$2,358		\$3,358	\$3,358
305	Supervision	17	WEEKS			40.000	680.0	\$37,400	\$1,063	\$38,463	\$38,463
306	Materials Control	17	WEEKS			20.000	340.0	\$7,480	\$1,169	\$8,649	\$8,649
307	Bond and Insurance	1	LS	\$5,900.00	\$5,900					\$5,900	\$5,900
308	Tools and Equipment	1	LS						\$2,400	\$2,400	\$2,400
309	Seismic & Vibration Control	1	LS	\$11,800.00	\$11,800					\$11,800	\$11,800
310											
311	<b>Demolition</b>	4,341	SF			0.029	125.9	\$9,433		\$9,433	\$11,791
312											
313	<b>15300 Special Piping</b>										
314	Air Reels	4	EA	\$650.00	\$2,600	4.000	16.0	\$1,199		\$3,799	\$4,749
315	Air Piping	170	LF	\$7.00	\$1,190	0.200	34.0	\$2,547		\$3,737	\$4,671
316	AC-1 Air Compressor 5HP 480V 3P Simplex W/ Air Dryer	1	EA	\$5,500.00	\$5,500	40.000	40.0	\$2,997		\$8,497	\$10,621
317											
318	<b>15400 Plumbing</b>										
319	Mop Sink, Terrazzo Drop-In Basin	1	EA	\$809.00	\$809	8.000	8.0	\$599		\$1,408	\$1,760
320	Wall Hydrant Freeze-Proof	1	EA	\$195.00	\$195	6.000	6.0	\$450		\$645	\$806
321	Allow For Roughin - Water	2	EA	\$280.00	\$560	8.000	16.0	\$1,199		\$1,759	\$2,199
322	Allow For Roughin - Waste/Vent	2	EA	\$280.00	\$560	8.000	16.0	\$1,199		\$1,759	\$2,199
323											



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				Unit	Total	Units	Totals				
324											
325	<b>15500 Sprinkler System</b>										
326	Ord. Hazard Wet Pipe Sprinkler System	15,277	SF	\$0.96	\$14,666	0.050	763.9	\$57,235		\$71,901	\$89,876
327	Modify Sprinklers For Renovation	4,341	SF	\$0.50	\$2,171	0.014	60.8	\$4,555		\$6,726	\$8,408
328											
329	<b>15600 Heating System</b>										
330	Change Speed on Existing Pump	1	EA			2.000	2.0	\$147		\$147	\$147
331	CP-9 Bldg Heat Circ Pump 50 GPM 3/4HP Grundfos UPS 40-160	1	EA	\$1,200.00	\$1,200	4.000	4.0	\$295		\$1,495	\$1,495
332	CP-10 Bldg Heat Circ Pump 50 GPM 3/4HP Grundfos UPS40-160	1	EA	\$1,200.00	\$1,200	4.000	4.0	\$295		\$1,495	\$1,495
333											
334	<b>Pipe &amp; Fittings, Copper Type L</b>										
335	3/4" Pipe	240	LF	\$4.10	\$984	0.121	29.0	\$2,173		\$3,157	\$3,946
336	1-1/4" Pipe	20	LF	\$8.67	\$173	0.159	3.2	\$240		\$413	\$516
337	1-1/2" Pipe	20	LF	\$11.18	\$224	0.177	3.5	\$262		\$486	\$608
338	2" Pipe	90	LF	\$17.51	\$1,576	0.219	19.7	\$1,476		\$3,052	\$3,815
339	Fittings	1	LS	\$402.60	\$403	22.800	22.8	\$1,708		\$2,111	\$2,639
340											
341	<b>Piping Insulation</b>										
342	Hydronic										
343	3/4" Pipe, Fittings	240	LF	\$1.80	\$432	0.070	16.8	\$1,282		\$1,714	\$2,485
344	1-1/4" Pipe, Fittings	20	LF	\$2.23	\$45	0.076	1.5	\$114		\$159	\$231
345	1-1/2" Pipe, Fittings	20	LF	\$2.30	\$46	0.076	1.5	\$114		\$160	\$232
346	2" Pipe, Fittings	90	LF	\$2.44	\$220	0.080	7.2	\$549		\$769	\$1,115
347											
348	<b>15800 Ventilation</b>										
349	<b>Air-Handling Units</b>										
350	AHU-7 Custom SA/RA AHU 7,400 CFM	1	EA	\$36,750.00	\$36,750	60.000	60.0	\$4,590		\$41,340	\$53,742
351											
352	<b>Metal Ducts</b>										
353	Ductwork	8,736	LBS	\$2.20	\$19,219	0.103	899.8	\$68,833		\$88,052	\$114,468
354	Ductwork Insulation										
355	Glass Fiber, Flexible Ductwrap, FSK										
356	2" Thick (Typ For O/A Ducts, Round)	414	SF	\$0.34	\$141	0.053	21.9	\$1,671		\$1,812	\$2,627
357	Fire Resistant Liner, 1-1/2 Lb										
358	1" Thick (Typ For S/A Ducts, Round)	2,428	SF	\$0.46	\$1,117	0.046	111.7	\$8,524		\$9,641	\$13,979

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				Unit	Total	Units	Totals				
359											
360	<b>Duct Accessories</b>										
361	Duct Access Doors	7	EA	\$28.00	\$196	0.750	5.3	\$405		\$601	\$781
362	Volume Dampers	19	EA	\$18.00	\$342	0.500	9.5	\$727		\$1,069	\$1,390
363	Flex Duct Connectors	19	EA	\$24.00	\$456	0.750	14.3	\$1,094		\$1,550	\$2,015
364											
365	<b>Fans</b>										
366	EF-1 Paint Booth Exhaust, 400 CFM	1	EA	\$600.00	\$600	4.000	4.0	\$306		\$906	\$1,178
367											
368	<b>Dust Collection System</b>										
369	DC-1 Woodshop Dust Collector, American Air Filter AR-55 15 HP 208v 3p TEFC Fan 1/2 HP 460V 3P Shaker	1	EA	\$55,000.00	\$55,000	80.000	80.0	\$6,120		\$61,120	\$79,456
370	FEA-1 Fume Extractor Arm 150 CFM	1	EA	\$1,500.00	\$1,500	16.000	16.0	\$1,224		\$2,724	\$3,541
371	FEA-2 Fume Extractor Arm	8	EA	\$600.00	\$4,800	4.000	32.0	\$2,358		\$7,158	\$7,158
372											
373	<b>Terminal Boxes with Reheat</b>	6	EA	\$325.00	\$1,950	1.800	10.8	\$826		\$2,776	\$3,609
374											
375	<b>Diffusers, Registers, and Grilles</b>										
376	S/A Diffusers	23	EA	\$150.00	\$3,450	1.000	23.0	\$1,759		\$5,209	\$6,772
377	R/A Grilles	8	EA	\$28.00	\$224	0.660	5.3	\$391		\$615	\$615
378	RA Grilles 16"Dia	3	EA	\$75.00	\$225	1.000	3.0	\$221		\$446	\$446
379	RA Grille 30x24	1	EA	\$75.00	\$75	1.000	1.0	\$74		\$149	\$149
380											
381	<b>15900 HVAC Instrumentation and Controls</b>										
382	Control Points	31	PTS	\$350.00	\$10,850	10.000	310.0	\$23,511		\$34,361	\$49,823
383											
384	<b>15950 Testing, Adjusting, and Balancing</b>										
385	Balance Hydronic System	1	LS	\$200.00	\$200	4.000	4.0	\$303		\$503	\$729
386	Balance Air Systems	1	LS	\$200.00	\$200	40.750	40.8	\$3,094		\$3,294	\$4,776
387	Commissioning, Startup	19,618	SF			0.007	137.3	\$10,413		\$10,413	\$15,099
388											
389											
390											
391	<b>Subtotal: 15 - MECHANICAL</b>				\$191,149		4,123.5	\$276,830	\$4,631	\$472,610	<b>\$592,207</b>
392	Average Unit Price for this division is: \$30.19 per SF based on 19,618 SF										
393											

**Career and Technical Education (CTE) Center Renovation**  
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Line				Material Costs		Labor Hours		Labor	Equip	Total	Total Cost
No.	Description	Qty	UNITS	Unit	Total	Units	Totals	Cost	Cost	Cost	w/ OH & P
394											
395	<b>16 - ELECTRICAL</b>										
396											
397	<b>16010 Basic Electrical Requirements</b>										
398	Field Engineering: Submittals, Shop & Record										
399	Dwgs, Operating Instructions, O&M Manuals	60	HRS	\$5.00	\$300	1.000	60.0	\$2,310		\$2,610	\$2,610
400	Permits, Tests, Inspections	1	LS	\$100.00	\$100	40.000	40.0	\$2,948		\$3,048	\$3,048
401	Supervision	13	WEEKS			40.000	512.0	\$28,160	\$800	\$28,960	\$28,960
402	Materials Control	13	WEEKS			20.000	256.0	\$5,632	\$880	\$6,512	\$6,512
403	Bond and Insurance	1	LS	\$4,200.00	\$4,200					\$4,200	\$4,200
404	Small Tools	1	LS						\$4,100	\$4,100	\$4,100
405	Equipment	1	LS						\$6,200	\$6,200	\$6,200
406											
407	<b>16055 Electrical Demolition</b>										
408	Demo Motor Connections	9	EA			1.000	9.0	\$663		\$663	\$663
409	Demo Receptacle	3	EA			0.500	1.5	\$111		\$111	\$111
410	Demo Transformer	2	EA			2.000	4.0	\$295		\$295	\$295
411	Demo Panel	3	EA			2.000	6.0	\$442		\$442	\$442
412	Demo Light Fixture	7	EA			1.000	7.0	\$516		\$516	\$516
413	Demo Lighting Control Devices	5	EA			0.500	2.5	\$184		\$184	\$184
414	Demo Lv Devices	49	EA			0.500	24.5	\$1,806		\$1,806	\$1,806
415	Demo J Box	2	EA			0.500	1.0	\$74		\$74	\$74
416	Demo Circuiting To Above	2,400	LF			0.034	81.6	\$6,014		\$6,014	\$6,014
417											
418	<b>16060 Grounding and Bonding</b>	1	LS	\$1,500.00	\$1,500	40.000	40.0	\$3,070		\$4,570	\$5,713
419											
420	<b>16075 Electrical Identification</b>	19,618	SF	\$0.05	\$981					\$981	\$1,226
421											
422											
423											
424											
425											
426											
427											
428											
429											
430											

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Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
431											
432	<b>16140 Wiring Devices</b>										
433	<b>Receptacles: Complete Assemblies</b>	<b>85</b>	<b>EA</b>								
434	Duplex 20A 125V	74	EA	\$5.38	\$398	0.200	14.8	\$1,136		\$1,534	\$1,918
435	Special Purpose Receptacles 208 1P	6	EA	\$59.50	\$357	0.500	3.0	\$230		\$587	\$734
436	Cord Reels	4	EA	\$650.00	\$2,600	4.000	16.0	\$1,228		\$3,828	\$4,785
437	J Boxes	1	EA	\$11.00	\$11	0.200	0.2	\$15		\$26	\$33
438	Add For:										
439	3/4in. EMT	2,550	LF	\$0.55	\$1,403	0.035	89.3	\$6,853		\$8,256	\$10,320
440	3/4in. EMT CONN	170	EA	\$1.84	\$313	0.030	5.1	\$391		\$704	\$880
441	3/4in. EMT CPLG	170	EA	\$1.81	\$308					\$308	\$385
442	3/4in. EMT STRAP 1-H	255	EA	\$0.16	\$41	0.025	6.4	\$491		\$532	\$665
443	#10 THHN	4,080	LF	\$0.46	\$1,877	0.006	24.5	\$1,880		\$3,757	\$4,696
444	#12 THHN	4,080	LF	\$0.30	\$1,224	0.005	20.4	\$1,566		\$2,790	\$3,488
445	UTILITY BOX 2-1/2 D 1/2 KO	85	EA	\$2.90	\$247	0.200	17.0	\$1,305		\$1,552	\$1,940
446	1G SS RECEPTACLE PLATE	85	EA	\$3.45	\$293	0.025	2.1	\$161		\$454	\$568
447	1in. x10 S-TAP SCREW	425	EA	\$0.03	\$13	0.020	8.5	\$652		\$665	\$831
448	Floor Boxes	16	EA	\$160.00	\$2,560	1.500	24.0	\$1,842		\$4,402	\$5,503
449											
450	<b>Multi-Outlet Assemblies</b>	<b>284</b>	<b>LF</b>								
451	SMR 6000	175	LF	\$15.85	\$2,774	0.650	113.8	\$8,734		\$11,508	\$14,385
452	SMR 4000	109	LF	\$12.00	\$1,308	0.600	65.4	\$5,019		\$6,327	\$7,909
453	Add For Power Outlets	50	EA	\$16.85	\$843	0.200	10.0	\$767		\$1,610	\$2,013
454	Add For Data Outlets	31	EA	\$18.75	\$581	0.150	4.7	\$361		\$942	\$1,178
455	Home Runs For MOA	400	LF	\$1.75	\$700	0.086	34.4	\$2,640		\$3,340	\$4,175
456											
457	<b>16420 Enclosed Controllers</b>										
458	OH Door Motor Connect	2	EA	\$50.00	\$100	2.000	4.0	\$307		\$407	\$509
459	Disconnect Dust Collector	1	EA	\$700.00	\$700	4.000	4.0	\$307		\$1,007	\$1,259
460	Dust Collector Control Panel (Install Only)	1	EA	\$20.00	\$20	8.000	8.0	\$614		\$634	\$793
461	OH Door Push Buttons	4	EA	\$150.00	\$600	1.500	6.0	\$460		\$1,060	\$1,325
462	Motor Connect	1	EA	\$50.00	\$50	1.500	1.5	\$115		\$165	\$206
463	Thermal Switch	1	EA	\$65.00	\$65	1.500	1.5	\$115		\$180	\$225
464	Wiring: 3/4" EMT 3#10, 1N	800	LF	\$2.77	\$2,216	0.094	75.2	\$5,771		\$7,987	\$9,984
465											
466											
467											

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				Unit	Total	Units	Totals				
468											
469	<b>16442 Panelboards</b>										
470	Panelboards, 120/208V, 3 Phase, 4 Wire, 225A, MLO, 42 Circuit, W/ Breakers	2	EA	\$1,650.00	\$3,300	10.000	20.0	\$1,535		\$4,835	\$6,044
471	Disconnect 60/3 In Extg Panel	1	EA	\$300.00	\$300	2.000	2.0	\$153		\$453	\$566
472											
473	<b>Feeders &amp; Subfeeds</b>										
474	225 Amp: 2" RGS, 4#4/0, 1#4	120	LF	\$35.45	\$4,254	0.339	40.7	\$3,124		\$7,378	\$9,223
475	100 Amp: 1-1/4" RGS, 4#2, 1#8	150	LF	\$10.09	\$1,514	0.214	32.1	\$2,464		\$3,978	\$4,973
476											
477	<b>16461 Dry-Type Transformers</b>										
478	Dry Transformers 75 KVA	1	EA	\$4,200.00	\$4,200	22.000	22.0	\$1,688		\$5,888	\$7,360
479											
480	<b>16511 Interior Lighting</b>										
481	A Linear Fluorescent, Alum	31	EA	\$300.00	\$9,300	1.250	38.8	\$2,978		\$12,278	\$15,348
482	AE Linear Fluorescent, Alum	3	EA	\$450.00	\$1,350	1.250	3.8	\$292		\$1,642	\$2,053
483	B Linear Fluorescent 4', Steel	2	EA	\$300.00	\$600	1.250	2.5	\$192		\$792	\$990
484	B Linear Fluorescent 8', Steel	11	EA	\$600.00	\$6,600	1.250	13.8	\$1,059		\$7,659	\$9,574
485	B Linear Fluorescent 12', Steel	14	EA	\$900.00	\$12,600	1.250	17.5	\$1,343		\$13,943	\$17,429
486	BE Linear Fluorescent 8', Steel	2	EA	\$750.00	\$1,500	1.250	2.5	\$192		\$1,692	\$2,115
487	C2 Office Fixture	10	EA	\$220.00	\$2,200	1.250	12.5	\$959		\$3,159	\$3,949
488	C3 Office Fixture	4	EA	\$280.00	\$1,120	1.250	5.0	\$384		\$1,504	\$1,880
489	D Wall Mtd Fixture	2	EA	\$250.00	\$500	1.250	2.5	\$192		\$692	\$865
490	DE Wall Mtd Fixture	3	EA	\$400.00	\$1,200	1.250	3.8	\$292		\$1,492	\$1,865
491	F Sconce	4	EA	\$250.00	\$1,000	1.250	5.0	\$384		\$1,384	\$1,730
492	G 12'	2	EA	\$900.00	\$1,800	1.250	2.5	\$192		\$1,992	\$2,490
493	G 8'	1	EA	\$600.00	\$600	1.250	1.3	\$100		\$700	\$875
494	Exit Signs	3	EA	\$150.00	\$450	1.000	3.0	\$230		\$680	\$850
495	Occupancy Sensors	16	EA	\$156.00	\$2,496	1.000	16.0	\$1,228		\$3,724	\$4,655
496	Switches	19	EA	\$17.81	\$338	0.529	10.1	\$775		\$1,113	\$1,391
497	Wiring: 3/4" Cond, 3-#12, Gnd	4,510	LF	\$1.52	\$6,855	0.091	410.4	\$31,497		\$38,352	\$47,940
498	Lighting Control Panel For Demo Lab	1	EA	\$4,500.00	\$4,500	8.000	8.0	\$614		\$5,114	\$6,393
499											
500											
501											
502											
503											

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				Unit	Total	Units	Totals				
504											
505	<b>16715 Voice and Data Communication Cabling</b>										
506	<b>Telephone, Data/Comm Systems</b>										
507	Telecom Racks	2	EA	\$2,500.00	\$5,000	8.000	16.0	\$1,228		\$6,228	\$8,719
508	Rack Grounding Bus Bar	2	EA	\$50.00	\$100	2.000	4.0	\$307		\$407	\$570
509	Fiber Optics Patch Panels	2	EA			4.000	8.0	\$614		\$614	\$860
510	48 Port Patch Panels	2	EA			8.000	16.0	\$1,228		\$1,228	\$1,719
511	Telecomm Backboard	64	SF	\$1.00	\$64	0.017	1.1	\$84		\$148	\$207
512	WAP	1	EA	\$1,500.00	\$1,500	4.000	4.0	\$307		\$1,807	\$2,530
513											
514	<b>Telecomm Outlets</b>	<b>29</b>	<b>EA</b>								
515	Telecomm Outlets (1) WAP	2	EA	\$22.56	\$45	0.752	1.5	\$115		\$160	\$224
516	Data Outlet (2)	27	EA	\$22.56	\$609	0.752	20.3	\$1,558		\$2,167	\$3,034
517	Data Outlet In SMR (Priced Above)	50	EA								
518	Box, Cover Plate, Fittings	29	EA	\$16.00	\$464	1.000	29.0	\$2,226		\$2,690	\$3,766
519	Conduit, Fittings 1"	4,060	LF	\$1.20	\$4,872	0.086	349.2	\$26,800		\$31,672	\$44,341
520	Cat 6 Cable	20	MLF	\$300.00	\$6,075	10.000	202.5	\$15,541		\$21,616	\$30,262
521											
522	<b>16790 Fire Alarm</b>										
523	Add New Devices In Buildout Area										
524	Horn/Strobe	9	EA	\$120.00	\$1,080	1.000	9.0	\$691		\$1,771	\$2,479
525	Manual Pull	1	EA	\$100.00	\$100	1.000	1.0	\$77		\$177	\$248
526	Strobe	6	EA	\$100.00	\$600	1.000	6.0	\$460		\$1,060	\$1,484
527	Smoke Detector	14	EA	\$100.00	\$1,400	1.000	14.0	\$1,074		\$2,474	\$3,464
528	FA Wiring 2 Conductors	1,050	LF	\$0.22	\$231	0.036	37.8	\$2,901		\$3,132	\$4,385
529	Conduit 1/2"	1,050	LF	\$0.40	\$420	0.047	49.4	\$3,791		\$4,211	\$5,895
530											
531											
532											
533											
534											
535											
536											
537											
538	<b>Subtotal: 16 - ELECTRICAL</b>				\$119,820		3,049.5	\$206,054	\$11,980	\$337,854	<b>\$418,126</b>
539	Average Unit Price for this division is: \$21.31 per SF based on 19,618 SF										
540											

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Line				Material Costs		Labor Hours		Labor	Equip	Total	Total Cost
No.	Description	Qty	UNITS	Unit	Total	Units	Totals	Cost	Cost	Cost	w/ OH & P
541											
542	<b>A1 - New Floor &amp; Ceiling Structure Above</b>										
543											
544	Demo Half Hgt Walls	25	LF			0.229	5.7	\$403		\$403	\$484
545	Pipe Railing 42" H	43	LF	\$150.00	\$6,450	0.400	17.2	\$1,268		\$7,718	\$7,718
546											
547	<b>05120 Structural Steel</b>										
548	<b>Floor Deduction</b>										
549	W21x44	(3,652)	LBS	\$1.40	(\$5,113)	0.007	(25.6)	(\$2,063)	(\$292)	(\$7,468)	(\$8,962)
550	W12x19	(418)	LBS	\$1.40	(\$585)	0.007	(2.9)	(\$234)	(\$33)	(\$852)	(\$1,023)
551	1000S162-68(50)	(5,248)	LBS	\$1.00	(\$5,248)	0.007	(36.7)	(\$2,957)	(\$420)	(\$8,625)	(\$10,350)
552	Allow For Plate, Hardware, Anchorage, Etc.	(932)	LBS	\$1.40	(\$1,305)	0.014	(13.0)	(\$1,047)		(\$2,352)	(\$2,822)
553											
554	<b>Addition - Floor</b>										
555	33 RED M Open Web Joist	2,012	LF	\$6.50	\$13,078	0.036	72.4	\$5,833		\$18,911	\$22,693
556	800S200-54(50)	138	LBS	\$1.00	\$138	0.014	1.9	\$153	\$11	\$302	\$362
557	1600S162-97(50)	116	LBS	\$1.00	\$116	0.014	1.6	\$129	\$9	\$254	\$305
558	1200S200-97(50)	5,738	LBS	\$1.00	\$5,738	0.014	80.3	\$6,470	\$459	\$12,667	\$15,200
559	1200T200-97(50), Track	582	LBS	\$1.00	\$582	0.014	8.2	\$661	\$47	\$1,290	\$1,548
560	Allow For Hardware, Anchorage, Etc.	599	LBS	\$1.40	\$839	0.014	8.4	\$677		\$1,516	\$1,819
561											
562	<b>Addition - Ceiling</b>										
563	W22x44	7,348	LBS	\$1.40	\$10,287	0.007	51.4	\$4,141	\$588	\$15,016	\$18,019
564	1000S162-68(50), 10" Joist & Track @ 2' O.C.	5,455	LBS	\$1.00	\$5,455	0.014	76.4	\$6,155	\$436	\$12,046	\$14,456
565	Allow 600S162-54(50) for Bracing	1,590	LBS	\$1.00	\$1,590	0.014	22.3	\$1,797		\$3,387	\$4,064
566	Allow For Plate, Hardware, Anchorage, Etc.	1,439	LBS	\$1.40	\$2,015	0.014	20.1	\$1,619		\$3,634	\$4,361
567											
568	<b>06100 Rough Carpentry</b>										
569	<b>Blocking</b>										
570	2x4 Framing	56	BF	\$0.60	\$34	0.029	1.6	\$118		\$152	\$152
571	2x6 Framing	148	BF	\$0.60	\$89	0.043	6.4	\$474		\$563	\$563
572											
573	<b>Bearing Wall Sheathing</b>										
574	1/2" Fire Treated Plywood	(6)	SF	\$1.00	(\$6)	0.030	(0.2)	(\$15)		(\$21)	(\$21)
575	<b>Floor Framing</b>	<b>3,080</b>	<b>SF</b>								
576	Floor Deck, 1 1/8" Ply	3,080	SF	\$1.60	\$4,928	0.019	58.5	\$4,329		\$9,257	\$9,257

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				Unit	Total	Units	Totals				
577											
578	<b>07210 Building Insulation</b>										
579	Sound Insulation 5.5"	(6)	SF	\$0.35	(\$2)	0.006				(\$2)	(\$2)
580	Sound Insulation 3.5"	49	SF	\$0.30	\$15	0.006	0.3	\$22		\$37	\$37
581											
582	<b>09111 Non-Load-Bearing Steel Framing</b>										
583	Metal Framing 6" 20 Ga 24" o.c.	(1,001)	SF	\$0.58	(\$581)	0.030	(30.0)	(\$2,220)		(\$2,801)	(\$3,361)
584											
585	Metal Framing 6" 16 Ga 12" o.c.	1,420	SF	\$1.78	\$2,527	0.079	112.1	\$8,295		\$10,822	\$12,986
586	Metal Framing 6" 16 Ga 24" o.c.	(376)	SF	\$0.95	(\$357)	0.042	(15.8)	(\$1,169)		(\$1,526)	(\$1,831)
587											
588	<b>09250 Gypsum Board</b>										
589	GWB 1/2" Walls	92	SF	\$0.40	\$37	0.019	1.7	\$126		\$163	\$196
590	Tape & Finish	92	SF	\$0.12	\$11	0.021	1.9	\$141		\$152	\$182
591											
592	Homosote Sound Board 1/2"	98	SF	\$0.63	\$62	0.013	1.3	\$96		\$158	\$190
593											
594	<b>09512 Acoustical Tile Ceilings</b>										
595	2X4 Acoustical Suspended Ceiling	2,893	SF	\$3.25	\$9,404	0.023	66.5	\$5,132		\$14,536	\$14,536
596	Tectum	(2,893)	SF	\$8.00	(\$23,148)	0.029	(83.9)	(\$6,475)		(\$29,623)	(\$29,623)
597											
598	<b>09650 Resilient Flooring</b>										
599	Resilient Base	232	LF	\$0.65	\$151	0.019	4.4	\$299		\$450	\$540
600	Linoleum	3,105	SF	\$3.50	\$10,868	0.029	90.1	\$6,126		\$16,994	\$20,393
601											
602	<b>09910 Painting</b>										
603	Paint	2,788	SF	\$0.15	\$418	0.019	53.0	\$3,679		\$4,097	\$4,916
604											
605											
606											
607	<b>General Requirements</b>	8%									\$7,759
608	<b>General Contractor Overhead &amp; Profit</b>	10%									\$10,474
609	<b>General Contractor Bond &amp; Insurance</b>	2.5%									\$2,880
610											
611	<b>Subtotal: A1 - New Floor &amp; Ceiling Structure Above</b>				\$38,487		555.6	\$41,963	\$805	\$81,255	<b>\$118,095</b>
612											
613											



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				Unit	Total	Units	Totals				
614											
615	<b>A2 - Two Story Corridor</b>										
616											
617	<b>Structural &amp; Architectural Demolition</b>										
618	Demo Half Hgt Walls	8	LF			0.229	1.8	\$127		\$127	\$152
619	Prep Concrete Slab For Topping	2,970	SF	\$0.20	\$594	0.036	106.9	\$8,613		\$9,207	\$11,048
620											
621	<b>03300 Cast-In-Place Concrete</b>										
622	<b>Concrete Topping Slab 3"</b>	<b>488</b>	<b>SF</b>								
623	Concrete	5	CY	\$175.00	\$875	1.575	7.9	\$585	\$175	\$1,635	\$1,635
624	Finish - Subcontract	488	SF	\$1.45	\$708					\$708	\$708
625	Cure	488	SF	\$0.02	\$10	0.002	1.0	\$74		\$84	\$84
626											
627	<b>05120 Structural Steel</b>										
628	800S125-54(50), @ 2' O.C.	738	LBS	\$1.00	\$738	0.014	10.3	\$830	\$59	\$1,627	\$1,952
629	Allow For Hardware, Anchorage, Etc.	74	LBS	\$1.40	\$103	0.014	1.0	\$81		\$184	\$221
630											
631	Pipe Railing 42" H	73	LF	\$150.00	\$10,950	0.400	29.2	\$2,353		\$13,303	\$15,964
632	Dbl Swing Gat at Pipe Rail	1	EA	\$500.00	\$500	4.000	4.0	\$322		\$822	\$986
633											
634	<b>06100 Rough Carpentry</b>										
635	<b>Floor Framing - Over Corridor</b>	<b>620</b>	<b>SF</b>								
636	1/2" Fire Treated Plywood	1,134	SF	\$1.00	\$1,134	0.017	19.3	\$1,428		\$2,562	\$3,074
637	Floor Deck, 1 1/8" Ply	620	SF	\$1.60	\$992	0.019	11.8	\$873		\$1,865	\$1,865
638											
639	<b>09111 Non-Load-Bearing Steel Framing</b>										
640	Metal Framing 6" 16 Ga 16" o.c.	1,134	SF	\$1.42	\$1,611	0.063	71.5	\$5,291		\$6,902	\$8,282
641											
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**Career and Technical Education (CTE) Center Renovation**  
**University Of Alaska Southeast**  
**Prepared for NorthWind Architects, LLC by Estimations**

**Construction Cost Estimate**  
**Design Development Submittal**  
**September 27, 2011**

Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
651											
652	<b>09250 Gypsum Board</b>										
653	GWB 1/2" Walls	1,134	SF	\$0.40	\$454	0.019	21.6	\$1,598		\$2,052	\$2,462
654	Tape & Finish	1,134	SF	\$0.12	\$136	0.021	23.8	\$1,761		\$1,897	\$2,276
655											
656	Batt Insulation 5.5"t	1,134	SF	\$0.35	\$397	0.006	6.8	\$503		\$900	\$1,080
657											
658	<b>09650 Resilient Flooring</b>										
659	Resilient Base	253	LF	\$0.65	\$165	0.019	4.8	\$326		\$491	\$589
660	Flotex	579	SF	\$6.00	\$3,474	0.029	16.8	\$1,142		\$4,616	\$5,539
661											
662	<b>09910 Painting</b>										
663	Paint	3,037	SF	\$0.15	\$456	0.019	57.7	\$4,005		\$4,461	\$5,353
664	Epoxy Flooring	263	SF	\$10.00	\$2,634					\$2,634	\$3,161
665											
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681	<b>General Requirements</b>	8%									\$5,314
682	<b>General Contractor Overhead &amp; Profit</b>	10%									\$7,175
683	<b>General Contractor Bond &amp; Insurance</b>	2.5%									\$1,973
684											
685	<b>Subtotal: A2 - Two Story Corridor</b>				\$25,931		396.2	\$29,912	\$234	\$56,077	<b>\$80,893</b>
686											
687											



# Facilities Planning & Construction

UNIVERSITY of ALASKA ANCHORAGE

Total Project Cost	\$655,000
Approval Required	Chief Finance Officer

## MEMORANDUM

TO: Kit Duke  
Chief Facilities Officer

THROUGH: William Spindle *Bill Spindle*  
Vice Chancellor, Administrative Services

THROUGH: Chris Turletes *[Signature]* 21 OCT 11  
Associate Vice Chancellor, Facilities and Campus Services

THROUGH: John Faunce *John Faunce*  
Director, Facilities Planning and Construction

FROM: Kristin Reynolds *[Signature]* 20 OCT 2011  
Project Manager

DATE: October 19, 2011

SUBJECT: Schematic Design Approval  
Project Name: UAA MAC Housing Fire System Upgrade Building 6 – Deferred Maintenance  
Project No: 7-0021-6

In accordance with Regents' Policy 05.12, approval by the Chief Finance Officer is required for this project. Your prompt review of this project would be greatly appreciated.

Requisite materials are enclosed.

cc:



## ***SCHEMATIC DESIGN APPROVAL***

**Name of Project:** UAA MAC Housing Fire System Upgrade Building 6

**Location of Project:** AS128, MAC 6, Anchorage, Alaska

**Project Number:** 07-0021-6

**Date of Request:** October 19, 2011

**Total Project Cost:** \$655,000 (This Phase) TPC for all Phases \$3,545,000

**Approval Required:** Schematic Design Approval

**Prior Approvals/Actions:** Preliminary Administrative Approval, Phases 1&2: 02/26/08  
Formal Project Approval, Phases 1&2: 02/26/08  
Schematic Design Approval, Phases 1&2, Bldgs 1, 2, & 3: 02/26/08  
Schematic Design Approval, Phase 3, Building 4: 01/15/2010  
Schematic Design Approval, Phase 4, Building 5: 12/09/2010

### **POLICY CITATION**

In accordance with Regents' Policy 05.12.043, Schematic Design Approval (SDA) represents approval of the location of the facility, its relationship to other facilities, the functional relationship of interior areas, the basic design including construction materials, mechanical, electrical, technology infrastructure, and telecommunications systems, and any other changes to the project since Formal Project Approval.

Unless otherwise designated by the approval authority or a Material Change in the project is subsequently identified, SDA also represents approval of the proposed cost of the next phase(s) of the project and authorization to complete the Construction Documents process, to bid and award a contract within the approved budget, and to proceed to completion of project construction.

For the Schematic Design Approval, if there has been no Material Change in the project since the Formal Project Approval, approval levels shall be as follows:

- TPC > \$4 million will require approval by the Facilities and Land Management Committee (F&LMC).
- TPC > \$2 million but ≤ \$4 million will require approval by the Chairperson of the F&LMC.
- **TPC ≤ \$2 million will require approval by the university's Chief Finance Officer (CFO) or designee.**

## RATIONALE AND RECOMMENDATION

Funding for the project was approved in the amount of \$1,800,000 by the Legislature in the FY07 capital budget for addressing critical building deficiencies. The approved project provided new fire protection, detection and alarm systems for Buildings 1, 2, and 3, and noted that funding for the new fire protection, detection and alarm systems for Buildings 4, 5, and 6 would be requested by future budget requests.

### Project Scope

The project scope of work covered by this Schematic Design Approval is to provide new fire protection, detection and alarm systems for Building 6. Buildings 1 and 2 were upgraded in 2008, Building 3 in 2009, Building 4 in 2010, and Building 5 in 2011.

The design work for all 6 buildings has been completed under the original approved scope of work. The design services included in the Schematic Design Approval are to cover the preparation of Construction Documents for the work in Building 6.

As of August 2010 Anchorage Fire Department approved MAC Housing work be performed in accordance with the IBC, with the more restrictive aspects of R-2 Occupancies. R-2 allows the long term stays throughout the year. Carbon Monoxide detectors are to be provided.

### Variance Report

To accommodate the revision to R-2 Occupancy, programmatic changes to the fire panels have been performed on the previously completed buildings 1, 2, 3 and 4. This was incorporated in building 5 construction documents, and is incorporated for building 6.

### Proposed Total Project Cost and Funding Source(s)

MAC Bldgs 1,2, &3	FY07 Capital Appropriation Fund 17043-564251	\$1,800,000
MAC Bldg 4	Multiple Capital Appropriations	\$575,000
MAC Bldg 5	FY11 Capital Appropriation Fund 26708-564331	\$515,000
<b>MAC Bldg 6 (This Project)</b>	<b>FY12 Deferred Maintenance Bonds</b>	<b>\$655,000</b>
Total Project Cost		\$3,545,000

### Estimated Annual Maintenance and Operating Costs (O&M)

\$1,000 per year for Building 6

### Consultant(s)

PDC Consultants

### Other Cost Considerations

This will complete the Sprinkler and Fire Panel Upgrade project for all MAC Housing buildings.

### Backfill Plan

Not Applicable.

### Schedule for Completion

#### DESIGN

Conceptual Design

April, 2007

*Formal Project Approval*

*February, 2008*

Schematic Design

September 2007

*Schematic Design Approval (MAC 1,2, & 3)*

*February, 2008*

*Schematic Design Approval (MAC 4)*

*January, 2010*

*Schematic Design Approval (MAC 5)*

*December, 2010*

*Schematic Design Approval (MAC 6)*

*October, 2011*

Design Development

November, 2011

Construction Documents

January, 2012

#### BID & AWARD

Advertise and Bid

February, 2012

Construction Contract Award

March, 2012

#### CONSTRUCTION

Start of Construction

May, 2012

Date of Substantial Completion

August, 2012

Date of Beneficial Occupancy

August, 2012

### Procurement Method for Construction

Design-bid-build.

### Affirmation

This project complies with Board Policy and the campus master plan.

### Action Requested


Approval to complete the project construction documents, bid and award project in accordance with Total Project Budget.

### Supporting Document

Project Budget

### Approval

**Schematic Design Approval is hereby granted:**



Kit Duke, Chief Facilities Officer

11.3.11

Date

Project Name:	UAA MAC Bldg 6 Fire and Sprinkler Upgrade		
MAU:	Anchorage		
Building: MAC 6	AS128	Date:	19-Oct-11
Campus: UAA Main Campus	Anchorage	Prepared by:	Kristin Reynolds
Project #:	07-0021-6	Acct #:	FY 12 DM Bonds
Total GSF Affected by Project:		25,480	25,480
<b>PROJECT BUDGET</b>		FPA Budget	SDA Budget
<b>A. Professional Services</b>			
Advance Planning, Program Development			
Consultant: Design Services			\$ 22,418
Consultant: Construction Phase Services			\$ 25,000
Consul: Extra Services (List: _____)			
Site Survey			
Soils Testing & Engineering			
Special Inspections			
Plan Review Fees / Permits			\$ 4,000
Other			
Professional Services Subtotal		0	\$ 51,418
<b>B. Construction</b>			
General Construction Contract(s)			\$ 485,000
Other Contractors (List: _____)			
Construction Contingency			\$ 48,500
Construction Subtotal		0	\$ 533,500
Construction Cost per GSF		0	N/A
<b>C. Building Completion Activity</b>			
Equipment			
Fixtures			
Furnishings			
Signage not in construction contract			
Move-Out Costs			
Move-In Costs			
Art			
Other (Interim Space Needs or Temp Reloc. Costs)			
OIT Support			
Maintenance Operation Support			\$ 5,000
Building Completion Activity Subtotal		0	\$ 5,000
<b>D. Owner Activities &amp; Administrative Costs</b>			
Project Plng, Staff Support			
Project Management	12%		\$ 64,082
Misc. Expenses: Advertising, Printing, Supplies, Etc.			\$ 1,000
Owner Activities & Administrative Costs Subtotal		0	\$ 65,082
<b>E. Total Project Cost</b>		0	\$ 655,000
Total Project Cost per GSF		0	N/A
<b>F. Total Appropriation(s)</b>			\$ 655,000