

2011 APR 20 P 2:58

TRUMBULL LAND RECORDS

ATTEST  
7:10 p.m. CLERK

Trumbull High School Building Committee  
MINUTES  
April 13, 2011

- Called to Order:** The Chairman, Mr. Nugent called the meeting to order at 7:10 p.m.
- Present:** Ms. Bivona, Mr. Chmielewski, Mr. Jenkins, Mr. McCabe, Mr. Meisner, (arrived at 8:15 p.m. Mr. Nugent, Mr. Preusch, Mr. Ronnow (arrived at 7:25 p.m.) and Ms. Timpanelli.
- Absent:** Mr. Doyle, Ms. Flynn and Mr. Lemay.
- Also Present:** Mr. A. Barbarotta, AFB Construction Management, Mr. John Barbarotta of AFB Construction Management, Stephen Burgess of JCJ; Julie Norris of JCJ, Mr. Bill Ayles of JCJ, Brian Holmes of O&G; Tom Walsh of AP Construction, Mr. Jeff Hackett, BoE Technology Director, Mr. Kerwin Technology Consultant.

Owner's Rep Update:

- Mr. A. Barbarotta announced the THS Like-New-Renovation status had been approved by the state.
- The recent indoor air quality issues have been addresses and will continue to get better.
- The project continues to struggle with the scheduled events at the high school.
- Meetings with the Superintendent and the Food Service department head, Ms. Sinko with regard to the kitchen renovation have taken place.
- The concession stand and site-work review by BSF is scheduled for Tuesday, April 19, 2011.

The building committee discussed the loss of work scheduled for this evening due to gymnastic forum that was being held at the high school on this same evening. There had been no communication of this event to the professionals at the Wednesday morning owner's meeting. Ms. Bivona stated that there had been a meeting specific to this type of scheduling change necessary to keep to schedule. Ms. Timpanelli stated a meeting had taken place in February that looked at all scheduled events at the high school; events were moved off the premises to allow for all necessary construction. The building committee agreed this was an issue that needs to be addressed and corrected. The Chair suggested that this be brought up at the next BoE meeting. Mr. A. Barbarotta stated that he would discuss the issue with the superintendent.

Construction Manager Update:

Mr. Swinford distributed and reviewed the refined phasing plan with the building committee (See Attached)

- Lower C-House will be turned over in May.
- The next 7 classrooms to be worked on will be on either side of the Media Center.
- Kitchen work will begin next week; a temporary kitchen and dry storage area(s) will be designated; this has been approved by the Health Department, Ms. Sinko and the administration. The kitchen work is beginning 8 weeks early in order to be able to have it ready for the start of the next school year as long as no unforeseen issues arise.

(Mr. Ronnow arrived at 7:25 p.m.)

- The main gym work will begin 1 week early; any work to the gym floor will be done after graduation in the event that the gym will be used for graduation due to inclement weather.
- Summer work – A-House first & second floor, Visitor Bleachers, Kitchen.

(The old bleachers will be recycled – this is calculated as part of the project's LEED points.)

Mr. Swinford reviewed the Refined Phasing Plan in detail with the building committee through the summer of 2012.

The Chair had requested that the Refined Phasing Plan be distributed to the building committee electronically. Mr. Swinford agreed.

A letter to John Barbarotta of AFB Construction Management from O&G re: THS Phase 2 Renovations and Additions were distributed to the building committee. (See attached).

In response to the Chair, Mr. Swinford and Mr. A. Barbarotta stated that many options had been considered all possibilities had been exhausted with regard to the kitchen renovation. In response to Ms. Bivona Mr. Swinford explained that over time costs would have exceeded this amount.

With regard to the kitchen renovation the temporary kitchen will be to prepare and wrap cold sandwiches; they had looked at bringing in hot meals from Madison but it was a not a feasible option or cost effective. In response to Mr. Ronnow, Mr. Swinford indicated that this was expected but the detail was still to be determined after bid time. Ms. Bivona stated that the discussions had been to possibly bring food in or to have the students brown bag their lunches; although no formal decision had been made at that time.

Mr. Barbarotta noted that the summer schedule is an aggressive one; it will be an intense summer. Without the second shift in the summer the schedule would have been impossible. The major stumbling blocks will be the gym and the kitchen this summer; getting the underground work will be the unknowns. Once this summer's work is completed 2012 will be an easier year and would expect to be able to pick u some of the schedule; the 2012 summer will be much easier.

The committee stressed the need for the school to shut down during this intense summer schedule.

#### PCO Approvals:

Moved by Ms. Bivona, seconded by Mr. Chiemelewski to approve PCO #36 in the amount of \$18,379 representing the restocking fee for the VCT.

This item had been negotiated down from the original cost of \$28,000.

VOTE: Motion carried unanimously.

Moved by Ms. Bivona, seconded by Mr. Chiemelewski to approve PCO # 71 in the amount of \$25,302 representing painted Anzac/windowsill.

Original quote for Corian was \$48,000; they had gone back to sub-contractor for a cost effective solution; painted Aztec came in at \$25,000 which is virtually maintenance free; a practical solution. Ms. Bivona spoke favorably of the painted Aztec.

VOTE: Motion carried unanimously.

Moved by Mr. Jenkins, seconded by Mr. Ronnow to authorize O&G Construction to speak to Professional Painting with regard to reducing PCO #72 to include painting of the C-House classrooms only at an estimated cost of not to exceed \$15,000 (per Mr. Al Barbarotta's estimate).

The original cost discussed at this meeting was \$125,405 representing painting of additional classroom walls at .55 per sq. ft. The committee questioned the cost noting that the price per sq. ft represents a cost for patching and painting; these areas are to be only paint; less labor intensive. Mr. Swinford indicated that this is a time sensitive issue. The committee suggested having other painters come in and give quotes.

The Chair suggested that C-House be painted at the contracted price of .55 per sq. ft. Mr. Swinford indicated the contractor is good to work with. The building committee authorized Mr. Swinford of O&G to adjust the C/O to include C-House only.

Mr. Swinford confirmed for the building committee that the 13-3 classrooms were not included as work to be performed in the original cost \$125,405.

VOTE: Motion carried unanimously.

Moved by Mr. Ronnow, seconded by Ms. Bivona to approve PCO #77 in the amount of \$90,881 representing the upgrade to the fire suppression system.

The professionals had tried to get a variance from the Fire Marshal but were not successful. The main line T's that are ½" outlet need to be 1" per code; the line has to be taken apart and replaced throughout the building. This has been reviewed with JCJ and DTC and they have agreed that this is a reasonable cost for the proposed work.

Mr. Burgess explained that this had been assumed to have been completed during the 1993 code compliance upgrade but it had not been. There are at least 100 connections throughout the school.

In response to the Chair, Mr. Swinford conformed that this item is urgent to the schedule, the Fire Marshal will not signoff without this completed

(Mr. Meisner arrived at 8:15 p.m.)

Mr. Ayles of JCJ further explained that in 1993 it was allowable to compensate with heavier gauge; that stipulation has since gone away. Mr. Preusch stated that even if it were to be appealed to the state; the state would not override the local Fire Marshal. Mr. Swinford stated this item has been discussed with the local Fire Marshal for a 6 month period; all possibilities have been exhausted.

VOTE: Motion carried 8-1 (Against: Nugent)

PCO #79 – All doors will be rekeyed; the school would like the whole school keyed alike; approximately 147 new locks. Mr. Kennedy of the School Facilities had requested the new locks. The Chair indicated that the budget would be monitored before they move to wish list items. The Building Committee tabled this item to a later date.

Moved by Ms. Bivona, seconded by Mr. Ronnow to approve PCO #80 in the amount of \$.00 representing Sheppard-stub columns. \$20,496 will be taken from the CM Contingency, no cost C/O.

VOTE: Motion carried unanimously.

Moved by Ms. Bivona, seconded by Ms. Timpanelli to approve PCO #81 in the amount of \$13,185 representing paging system modifications.

These modifications are to keep the failing system going while they integrate the old and the new system; the existing system is failing quicker than anticipated. It was confirmed for Ms. Timpanelli, that each existing section and new section will be working.

VOTE: Motion carried unanimously.

Moved by Ms. Bivona, seconded by Mr. Chiemelewski to approve PCO #82 in the amount of \$769 representing an expansion joint – where the existing concrete met the new concrete. The original cost was \$1,200 and had been negotiated down to \$769.

VOTE: Motion carried unanimously.

Moved by Ms. Bivona, seconded by Mr. Chiemelewski to approve PCO #83 in the amount of \$.00 representing flex duct to temporarily heat the second floor; \$19,601 will be taken from the CM Contingency.

This had not been written into the scope of the project; therefore it would come from the CM contingency.

VOTE: Motion carried unanimously.

Architect's Update: Mr. Burgess reported that on 04-19-11 they will be going to BSF for the completion test of the concession stand and site work. The FF&E bids came in on 03/31/11.

Ms. Norris of JcJ reviewed the FF&E bids with the building committee in detail (See Attached). The FF&E came in (\$285,446.32 Over budget)

The following items are part of the above amount over budget FF&E amount.

The acoustical shell - \$63,654 (\$50,000 had been included in the budget).

Rigging - \$25,588

Teacher Wardrobes - \$63,082.72

Senior Lounge- \$20,578.98

\$179,463.70

Over budget amount - \$105,982.62

The piano had been authorized at a previous building committee meeting.

After a thorough review and lengthy discussion the building committee directed Ms. Norris to meet with the sub-committee and to report back to the building committee in four weeks, May 11, 2011 to discuss recommendations to reduce the FF&E.

Mr. Mike Kerwin Technology Consultant explained the school district has done some piloting program of smart boards – the multi touch boards; the original design included both write on and projector boards; just recently there had been a quantum leap to interactive white boards. This technology has a cost attached and does not lend itself to a retroactive fit. The district has decided to implement this technology throughout the district. The net impact to the project would be \$159,079 80 typical classroom; 94 units. Mr. Hackett explained there would be a credit issued for the ENO Boards a deduction for the projector and speaker the net cost would be \$159,079. Mr. Jenkins stated that there are a few of the new boards in the school already; the building committee could see them in use. Ms. Timpanelli requested a list of the additional 14 units above the 80 typical classrooms. Mr. Hackett agreed. Mr. Meisner suggested that the per unit cost may go down if the committee were to wait a few months; as technology costs typically go down after they have been in the market for a particular amount of time.

The Chair requested a LEED update at a future meeting from Mr. Burgess. Mr. Burgess agreed.

#### Invoice Approvals:

Ms. Bivona, seconded by Mr. Meisner to approve AFB Construction Management of Trumbull Application #33 in the amount of \$13,100 dated 04-12-11 representing services for a period through March 31, 2011.

VOTE: Motion carried unanimously.

Ms. Bivona, seconded by Mr. Chiemelowski to approve AAIS Corp. Invoice # 8916 dated 03-25-11 in the amount of \$14,334.26, #8947 dated 04-05-11 in the amount of \$7,706.96, #8864 dated 03-03-11 in the amount of \$12,821.96 and #8894 dated 03-18-11 in the amount of \$10,879.60.

VOTE: Motion carried unanimously.

Moved by Ms. Bivona, seconded by Mr. Ronnow to approve Invoice #18149 dated April 1, 2011 in the amount of \$70.00 representing rental of storage trailer for month beginning 04-01-11 through 04-30-11.

VOTE: Motion carried unanimously.

Moved by Ms. Bivona, seconded by Mr. Ronnow to approve Connecticut Materials Testing Lab, Inc. Invoice #2011-3653 dated 03-23-11 in the amount of \$425 representing structural steel inspection full day – February 8, 2011 and half day inspection – February 10<sup>th</sup>.

VOTE: Motion carried unanimously

Ms. Bivona, seconded by Mr. Chiemelewski to approve JCJ Architecture Invoice #9 representing FF&E professional services from 03-01-11 through 03-31-11 and reimbursable expenses in the amount of \$8,368.38 and Invoice #30 representing professional services from 03-01-11 through 03-31-11 and reimbursable expenses in the amount of \$20,040.81. A total amount of \$28,409.19.

VOTE: Motion carried unanimously.

Ms. Bivona moved, seconded by Ms. Timpanelli to approve O&G Construction application #21 dated 04-11-11 in the amount of \$1,506,806 representing services rendered through 03-31-11.

VOTE: Motion carried unanimously.

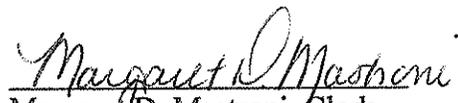
Moved by Ms. Bivona, seconded by Mr. Meisner to approve Invoice #1238 dated 04-01-11 in the amount of \$3,340 representing commissioning services for THS PO#20911188-00.

VOTE: Motion carried unanimously.

Mr. Barbarotta explained for Mr. Meisner that the auditorium leak was due to damage from the snow. The building committee discussed the following concerns brought to their attention: the lack of training on the digital auditorium sound system noting, that there is not a part time auditorium position in place to date or a protocols team, further discussion on this issue needed.

There being no further business to discuss the THSBC adjourned by unanimous consent at 9:39 p.m.

Respectfully submitted,

  
Margaret D. Mastroni, Clerk

Trumbull High School

Smart Board Upgrade Discussion

2001-04-12

The original design intention included Eno marker/projection boards in the base building work. These boards function as marker boards and are able to be used with projectors.

The technology equipment budget included a projector, mount, and associated audio speaker to be installed and used in conjunction with the Eno marker/projection boards.

Smart Technologies released a new product, the 885 series, first shipping in February of 2011. This product offers new features and capabilities. These features include:

- Touch and gesture based controls of content and hardware;
- Multi-touch technology allowing one or more users to interact with the system;
- Object awareness, supporting enhanced control and simpler interfaces;
- Supports dry-erase marker use;
- Smart Notebook Software licenses for the school and faculty home-use are included.

The Trumbull school district established an evaluation committee and decided to standardize on this new Smart Board product for deployment throughout the district. The high school project has installed this board in the recently renovated areas. The teacher response to the product and the recent professional development has been extremely positive.

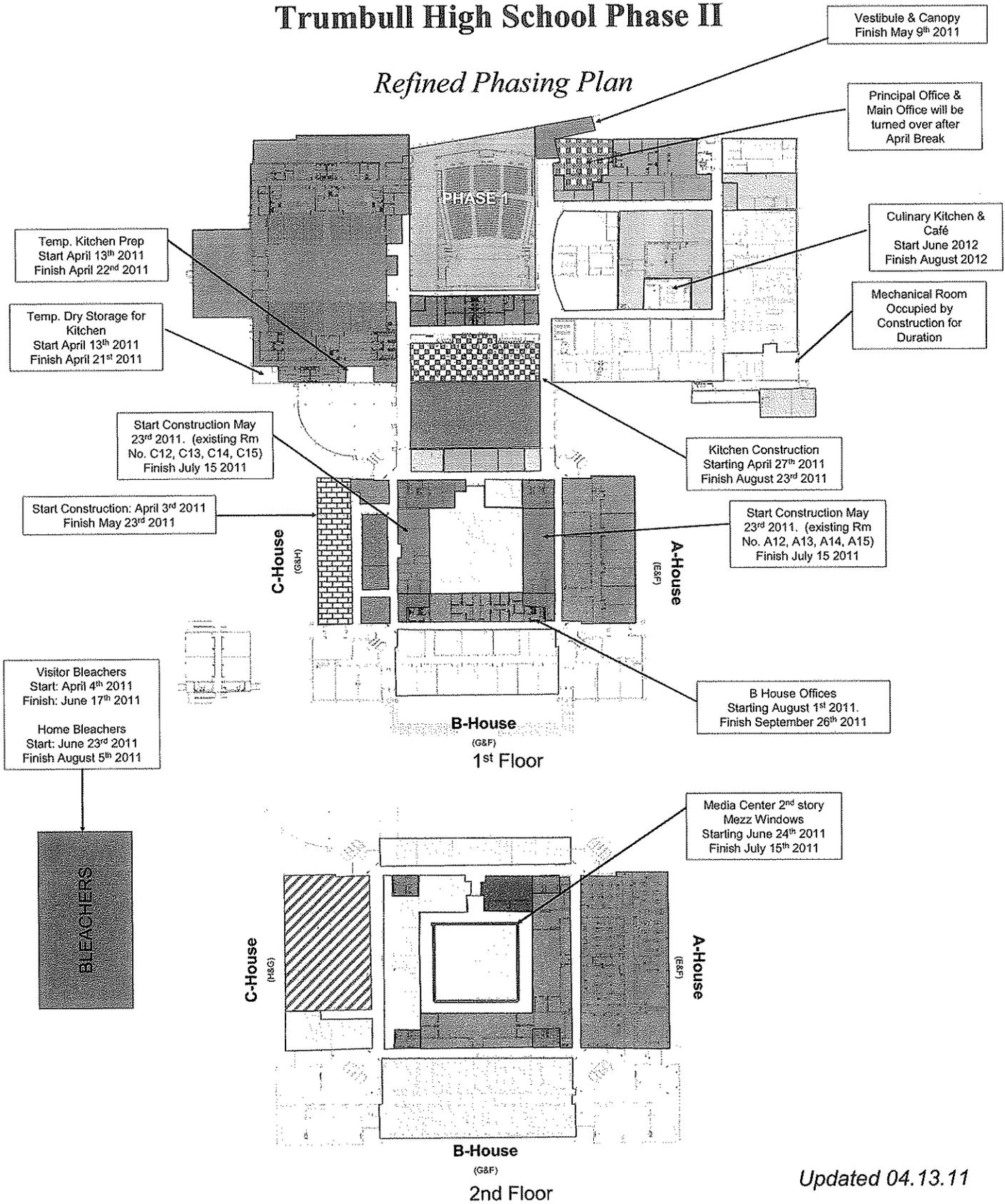
The high school technology equipment budget does not include sufficient funds to allow the purchase and implementation of these boards throughout the school. Additional funds need to be allocated to the technology budget if these boards are to be deployed throughout the high school.

The calculation is as follows:

Credit for Eno boards,	92,435.00
Deduction for projector and speaker	178,600.00
Addition of Smart Boards	430,114.00
Net impact to Project, (required)	159,079.00

# Trumbull High School Phase II

## Refined Phasing Plan



Updated 04.13.11

LEGEND			
	SUMMER '10		SUMMER '11- August 26 <sup>th</sup> 2011
	SUMMER '10, REVISIT SUMMER '12		FALL '11
	FALL '10		SPRING '12
	SPRING '11 – POD 1		SUMMER '12
	SPRING '11 - POD 3 – Finish May 23 <sup>rd</sup> 2011		
	SPRING '11 – May 23 <sup>th</sup> 2011 Start		

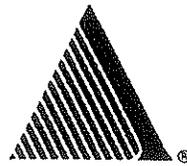
<b>Award Summary</b>			
<b>Category/Items</b>	<b>Vendor</b>	<b>Total Award</b>	<b>No Bid Estimate</b>
A009A, A010A & A018	RIS	\$54,910.00	
A001-A008, A011-A014	Robert H Lord Company	\$146,098.92	
A015-A017	BBE	\$14,315.95	
B001-B005	WB Mason	\$48,923.25	
C001	Contrax Furnishings	\$16,407.15	
D001-D003	RIS	\$41,185.00	
D004, D007-D010	BKM	\$16,411.15	
D006, D011-D016	BBE	\$12,806.82	
E001-E004, E005-E007	Robert H Lord Company	\$20,032.49	
G001	Insalco	\$651.17	
G002-G003	Contrax Furnishings	\$20,578.98	
H001-H004	RIS	\$26,619.00	
J001-J003	BKM	\$12,807.64	
J004	Robert H Lord Company	\$63,082.72	
L001-L005	BBE	\$35,984.43	
L006-L014	Robert H Lord Company	\$81,372.45	
L015-L016	Contrax Furnishings	\$23,676.84	
M001 - M012	Merchandise Mart	\$77,955.00	
N001-N002	WB Mason	\$3,054.00	
N003	Insalco	\$1,155.75	
P001	Merchandise Mart	\$44,360.00	
P002	Wenger Corporation	\$113,654.00	
P003	Drobka Scenic Inc.	\$25,588.00	
Q001 & Q002	School Specialty	\$13,430.55	
Q003-Q005	Merchandise Mart	\$26,664.00	
R001-R003	No Bid		\$10,600.00
S001-S002	Robert H Lord Company	\$41,222.00	
S003-S006	No Bid		\$5,440.00
S007-S118	Eliminate		
W087 & W089	Insalco	\$4,993.36	
W095	No Bid		\$20,000.00
X001, X002	Eliminate		
Y001-Y003, Y005, Y006, Y012, Y013	RIS	\$33,731.84	
Y004-Y00, Y007-Y011	Insalco	\$15,234.02	
Z001-Z003	Office Resources	\$6,764.60	
	<b>Total:</b>	<b>\$1,043,671.08</b>	<b>\$36,040.00</b>

**Trumbull High School  
Furniture, Furnishings Equipment**

JCJ Project No.: H05071.00

Date: 4/13/2011

	Vendor	Total Award	Remarks
	BKM	\$29,218.79	
	RIS	\$156,445.84	
	Robert H Lord Company	\$351,808.58	
	WB Mason	\$51,977.25	
	BBE	\$63,107.20	
	Insalco	\$22,034.30	
	Merchandise Mart	\$148,979.00	
	Contrax Furnishings	\$60,662.97	
	Office Resources	\$6,764.60	
	Drobka Scenic Inc.	\$25,588.00	
	Wenger Corporation	\$113,654.00	
	School Specialty	\$13,430.55	
	Phase 4 Total	\$1,043,671.08	
	Phase 3 Total	\$125,055.24	
	No Bid Estimate	\$36,040.00	
	Total FF&E	\$1,204,766.32	
	Original Budget	\$919,320.00	
	Total FF&E	\$1,204,766.32	
		-\$285,446.32	(over budget)
	Acoustical Shell	\$63,654.00	(bid-\$50,000)
	Rigging	\$25,588.00	
	Teacher Wardrobes (Classroom	\$63,082.72	
	Senior Lounge	\$20,578.98	
	Total	<del>\$172,903.70</del> 179,463.70	
	Piano 6,500	-\$285,446.32	(over budget)
		<del>\$12,542.92</del>	(-105,982.62)



April 13, 2011

John Barbarotta  
AFB Construction Management  
622 Clinton Avenue  
Bridgeport, CT 06604

REFERENCE: Trumbull High School - Phase 2  
Renovations and Additions  
State Project No. 144-0101 EA/RR  
O&G/A.P. Project No. 285

Dear Mr. Barbarotta:

As discussed, there are four components of the project that require additional funding to meet the schedule demands; these include the Area "C" House Construction, Summer 2011, Summer 2012 and the early kitchen renovation. The following is a summary of the rationale and cost estimate for the additional funding.

#### Area "C" House Construction

Attached is a detailed schedule showing the impact of the schedule delays for Area "C" house construction. The total time delayed was 3 weeks and the primary drivers of the delays were:

- The request by Dr. Tremaglio to delay the start of construction from the original scheduled date of January 3, 2011 until January 24, 2011. This delay was to accommodate the mid-term exam schedule.
- The cancellation of winter break February 21 – 25, 2011 which delayed:
  - The start of the roof and ductwork which, in turn, delayed the interior work
  - The asbestos abatement work

In order to minimize the impact of the delays, the above work was completed during nights and weekends. The additional costs associated with the delays are as follows:

• Second shift differential pay for Greenwood	\$ 8,929.00
• Premium time for M.J. Daly	1,552.00
• Premium time for Titan	2,500.00
• Additional work for HHS	1,900.00
• O&G fee	<u>253.00</u>
<b>Total:</b>	<b>\$15,134.00</b>

#### **OSG INDUSTRIES, INC. / A.P. CONSTRUCTION**

112 Wall Street  
Torrington, CT 06790-5464

a joint venture

Phone 860.489.9261  
Fax 860.626.6447

John Barbarotta  
April 13, 2011  
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**Summer 2011**

The revised phasing plan for the work to be performed during the Summer of 2011 includes the gymnasium, kitchen and "A" House. After further evaluation by the on-site team, it is recommended that a second shift and weekend labor be utilized to ensure that the phase is completed as per the schedule.

**Summer 2012**

The phasing plan for the Summer of 2012 includes the Media Center, Custodial Wing and "B" House. We anticipate that the work to be completed will require a second shift and weekend labor to finish by August 2012. O&G/AP recommend a second shift to ensure that construction will be completed by August 2012.

**Kitchen preparation work**

In order to begin construction in the Kitchen, temporary storage and food prep rooms will be necessary to function and serve the students and staff during the daily lunch periods. This work will allow construction to start 7 weeks before school is dismissed for the summer. A temporary cold serving line has been agreed upon by the Food Service Director. The menu and logistics have been worked out with the School Administration. The Trumbull Health Department has reviewed the plan and will inspect the temporary operation once the new configuration is in place. We anticipate that date to be April 27, 2011. Attached is a cost estimate.

In closing, O&G/AP would like to request that the above-mentioned items be deducted from the CM contingency. These charges will not add to the overall cost of the project.

Should you have any questions, please do not hesitate to contact me.

Very truly yours,

**O & G INDUSTRIES/A.P. CONSTRUCTION - J.V.**

  
Randy Swinford  
Project Manager

/rs

Enclosures

CC: Tom Walsh, A/P Construction  
Brian Holmes, O&G  
Mike Brennan, O&G  
Field  
M.O. File



Project: Trumbull High School

Estimate No.: 285-001

Architect

Sheet No.: 2 of #REF!

Engineer: \_\_\_\_\_

Date: \_\_\_\_\_

Work Item: Kitchen relocation work

Estimate

Estimator: RES

Craft	Div	Description		Labor			Labor Extension	Equip./Material		Material Extension		
		Quan	Trade	Hours	Unit	Rate		Quan	Unit		Rate	
		<b>Temp. prep. Room</b>										
		Clean out existing debris										
		Sisca	2	lab	8	hr	50.64	813				
		-Seal floor							1	ls	500.00	500
		Sink hook up										
		Titan	2	plumb	24		81.90	3,931	1	ls	1,000.00	1,000
		Add 6 circuits for equipment										
		PEC	2	elect	20	hr	72.19	2,888	1	ls	1,000.00	1,000
		<b>Dry storage room</b>										
		Demo out space										
		Install ceiling										
		ACI							600	sf	3.00	1,800
		Close up pipe chase										
		ACI							100	sf	8.00	800
		Install Data, phone & power										
		PEC	1	elect	24	hr	72.19	1,733	1	ls	500.00	500
		<b>Temp. serving line</b>										
		Set up serving line										
		Sisca	2	lab	8	hr	50.64	813				
		Hook up equipment 14 circuits										
		PEC	2	elect	24	hr	72.19	3,465	1	ls	1,800.00	1,800
		Titan										
		2 Hand washing sinks	2	plumb	20	hr	81.90	3,276	1	ls	800.00	800
<b>Total Labor</b>							<b>\$</b>	<b>16,919</b>	<b>Total Material</b>		<b>\$</b>	<b>8,200</b>

Labor & Mat'l	\$	25,119
OH & Profit	\$	427
Burden	\$	-
Subtotal	\$	25,546
Bond	\$	-
<b>Total</b>	<b>\$</b>	<b>25,546</b>