



**CITY OF BRISTOL  
BOARD OF FINANCE AGENDA REQUEST FORM**

To: Board of Finance Commissioners

From: Bristol Board of Education  
(Requesting Department)

Date: 01-03-2024  
(Submission Date)

For the January 23rd, 2024, Board of Finance Meeting Agenda  
(Date of Meeting)

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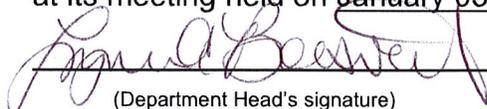
This request is for:  
(Please check the type of request and list in whole dollar amounts)

- Additional Appropriation \$13,306,035
- Transfer from Contingency \$ \_\_\_\_\_
- Transfer(s) \$ \_\_\_\_\_
- Grant \$ \_\_\_\_\_
- Carry-over(s) \$ \_\_\_\_\_
- Other \$ \_\_\_\_\_

**Approval:**

This request was approved by the Board of Education  
(governing Board of your department)

at its meeting held on January 03, 2024.  
(date)

  
(Department Head's signature)

Board of Finance Agenda Request Form

**All requests to appear on the Board of Finance meeting agenda for consideration must be submitted to Jodi McGrane in the Comptroller's Office by 10:00 a.m. Monday of the preceding week of the meeting. Board of Finance Meetings are held on the fourth Tuesday of each month at 5:30 p.m. in the Council Chambers.**

Reason for request:

The schematic design estimate was over the conceptual estimate.

Additional Appropriation(s) and/or Appropriation(s) complete the following:

Account	Account Name	Amount
3015220 570200 22C04	NEMS Renovation	\$13,306,035
3015220 491002 22C04	NEMS Sale of Bonds and Notes	\$13,306,035
_____	_____	_____

Transfer(s) complete the following:

From: _____	To: _____	Amount: _____
From: _____	To: _____	Amount: _____
From: _____	To: _____	Amount: _____
From: _____	To: _____	Amount: _____

Grants:

Total Amount: Grant \$ \_\_\_\_\_

City Share \$ \_\_\_\_\_ 46 %

Federal/State Share \$ \_\_\_\_\_ 54 %

Carry-overs list the following:

Account	Account Name	Amount
_____	_____	_____
_____	_____	_____
_____	_____	_____

# SCHEMATIC DESIGN ESTIMATE

DATE: 12/1/23

PROJECT: NORTHEAST MIDDLE SCHOOL – BRISTOL, CT

STATE PROJECT NO.: 23DASY017088N0623

ARCHITECT: QAM ARCHITECTURE

NEW CONSTRUCTION OF:

## NORTHEAST MIDDLE SCHOOL

530 STEVENS ST. BRISTOL, CT



**D'AMATO**  
JOINT VENTURE  
**DOWNES**

**CONTENTS:** COVER  
ASSUMPTIONS & QUALIFICATIONS  
GENERAL SUMMARY  
COST MANAGEMENT / VALUE ENGINEERING LOG  
ESTIMATE DETAIL

# D'AMATO+DOWNES

## BRISTOL NORTHEAST MIDDLE SCHOOL

### QUALIFICATIONS

DATE: 11/1/2023

### ATTACHMENTS

- The Schematic Design Budget Summary and Variance Report
- Summary of Added Costs
- Estimate Detail
- Cost Management Log
- Comparable Projects

### QUANTITIES, PRICING AND METHODOLOGY

- All quantifiable materials have been taken off where possible using industry standard methods.
- Anything included which is not quantifiable is based on our extensive historical data while taking into account project specific variables.
- The unit pricing included in the following estimate is based on today's fair market value which is then escalated on the Summary page. We utilize historical data, subcontractor and supplier input as well as third party consultants.

### BUDGET SUMMARY

See attached budget summary

### ASSUMPTIONS AND CLARIFICATIONS

- The attached estimate is based on design documents by: **QA+M Architects and dated: 9/15/2023 and 11/8/2023.** Along with the assumption of the incorporation of the agreed upon cost management and value engineering described here in.
- The assumed delivery method is: **CM at Risk**
- We assumed the project to be: **Unoccupied**
- The attached estimate assumes a start date of: **9/1/2024**
- The attached estimate accounts for escalation through the construction start date, if construction does not start on time, include an additional 6% annual escalation per year.
- We assumed the project to be: **Tax Exempt**
- The estimate assumes the project to be: **Prevailing Wage**
- All FF&E is assumed to be by the Owner and carried with Soft Costs.
- Premiums for non-standard work times have been excluded.
- Unforeseen conditions are excluded.
- All computer equipment, Servers & Network Switches are assumed to be by the Owner.
- All AV equipment is assumed to be by Owner.
- All phone systems are assumed to be by Owner.
- Builders Risk insurance is assumed to be by Owner.
- Water tank relocation is excluded, need further direction.
- Small lower soccer field is excluded as shown on the rev. L1.0 Schematic Site & Landscape Plan dated 9/20/23
- Smart Boards are to be supplied by the Owner (included w/ FF&E & Technology) and installed by the Trades.



## BRISTOL NORTHEAST MIDDLE SCHOOL

### SCHEMATIC DESIGN

Drawings Dated: 09/15/2023

Estimate Date: 11/01/2023

### ESTIMATE SUMMARY

SPEC SECTION	DESCRIPTION	CONCEPTUAL	SCHEMATIC	VARIANCE	COST / SF
		12/2/2022 130,000 sf	11/1/2023 130,000 sf		
<b>TRADE COSTS</b>					
01 00 00	Project Requirements	\$ 1,056,500	\$ 359,300	\$ (114,575)	2.76
01 74 00	Project Cleanliness	w/ above	\$ 582,625	w/ above	4.48
02 11 00	Contaminated Soil	\$ -	\$ 75,000	\$ 75,000	0.58
02 20 11	Hazardous Materials	\$ 1,275,000	\$ 1,161,615	\$ (113,385)	8.94
02 41 19	Existing Conditions	\$ 2,060,127	\$ 1,703,702	\$ (356,425)	13.11
03 30 00	Cast-in-Place Concrete	\$ 2,267,200	\$ 2,654,404	\$ 387,204	20.42
04 20 00	Unit Masonry	\$ 4,940,000	\$ 4,154,956	\$ (785,044)	31.96
05 00 00	Structural Steel	\$ 4,550,000	\$ 6,590,210	\$ 2,932,115	50.69
05 10 00	Miscellaneous Metals	w/ above	\$ 891,905	w/ above	6.86
06 00 00	Rough Carpentry	\$ 295,000	\$ 295,792	\$ 792	2.28
06 30 00	Finish Carpentry	\$ 2,662,500	\$ 2,336,421	\$ (326,079)	17.97
07 00 00	Thermal & Moisture Protection	w/ below	\$ 652,946	w/ below	5.02
07 50 00	Roofing	\$ 2,828,825	\$ 3,446,576	\$ 1,693,843	26.51
07 84 00	Fireproofing & Joint Sealants	w/ above	\$ 423,145	w/ above	3.25
08 00 00	Doors, Frames & Hardware	\$ 608,055	\$ 616,330	\$ 8,275	4.74
08 41 00	Storefront & Curtain Wall	\$ 2,600,000	\$ 3,752,530	\$ 1,152,530	28.87
09 00 00	Drywall & Framing	\$ 3,250,000	\$ 4,118,410	\$ 868,410	31.68
09 30 00	Tile & Carpet	\$ 325,000	\$ 716,200	\$ 391,200	5.51
09 51 00	Acoustical Ceiling Tile	\$ 780,000	\$ 964,443	\$ 184,443	7.42
09 65 00	Flooring	\$ 1,257,806	\$ 2,227,072	\$ 969,266	17.13
09 91 00	Painting	\$ 552,500	\$ 608,280	\$ 55,780	4.68
10 00 00	Misc. Specialties	\$ 747,500	\$ 15,731	\$ 204,856	0.12
10 11 00	Visual Display	w/ above	\$ 221,867	w/ above	1.71
10 14 00	Signage	w/ above	\$ 90,475	w/ above	0.70
10 21 13	Toilet Compartments	w/ above	\$ 49,222	w/ above	0.38
10 22 33	Operable Partitions	w/ above	\$ 176,693	w/ above	1.36
10 26 00	Wall & Door Protection	w/ above	\$ 46,125	w/ above	0.35
10 28 00	Toilet Accessories	w/ above	\$ 41,411	w/ above	0.32
10 51 00	Lockers	w/ above	\$ 310,833	w/ above	2.39
11 40 00	Food Service Equipment	\$ 1,202,500	\$ 772,260	\$ 20,591	5.94
11 90 00	Misc. Equipment	w/ above	\$ 450,831	w/ above	3.47
12 00 00	Furnishings	\$ 227,961	\$ 242,097	\$ 14,136	1.86
13 00 00	Special Construction	NA	NA	NA	-
14 00 00	Elevators	\$ 143,975	\$ 353,625	\$ 209,650	2.72
21 00 00	Fire Suppression	\$ 851,500	\$ 2,350,301	\$ 1,498,801	18.08



## BRISTOL NORTHEAST MIDDLE SCHOOL

### SCHEMATIC DESIGN

Drawings Dated: 09/15/2023

Estimate Date: 11/01/2023

### ESTIMATE SUMMARY

SPEC SECTION DESCRIPTION	CONCEPTUAL	SCHEMATIC	VARIANCE	COST / SF
	12/2/2022 130,000 sf	11/1/2023 130,000 sf		
22 00 00 Plumbing	\$ 2,405,000	\$ 3,834,991	\$ 1,429,991	29.50
23 00 00 HVAC	\$ 8,450,000	\$ 11,429,905	\$ 2,979,905	87.92
26 00 00 Electrical, T/D, Fire Alarm, Security	\$ 6,240,000	\$ 10,649,804	\$ 4,409,804	81.92
31 00 00 Sitework	\$ 8,471,000	\$ 7,501,837	\$ (969,164)	57.71
<b>COST MANAGEMENT (see separate sheet)</b>		(\$8,806,410)	\$ (8,806,410)	
<b>TOTAL TRADE COST</b>	<b>\$ 60,047,949</b>	<b>\$ 68,063,460</b>	<b>\$ 8,015,511</b>	<b>523.57</b>
<b>INDIRECT COSTS</b>				
General Conditions & Staffing	\$ 2,281,664	\$ 3,205,561	\$ 923,897	24.66
PreConstruction	\$ 140,660	\$ 142,336	\$ 1,676	1.09
0.70% General Liability Insurance	\$ 596,310	\$ 499,879	\$ (96,430)	3.85
Builder's Risk Insurance	By Owner	By Owner	By Owner	-
0.0% Local Building Permit	N / R	N / R	N / R	-
0.026% State Education Fund	\$ 19,535	\$ 18,697	\$ (838)	0.14
0.66% CM Payment & Performance Bond	\$ 601,236	\$ 474,738	\$ (126,499)	3.65
3.0% Construction Contingency	\$ 1,981,582	\$ 2,172,140	\$ 190,558	16.71
1.65% CM Fee	\$ 1,325,726	\$ 1,415,692	\$ 89,966	10.89
5.0% Escalation	\$ 4,082,060	\$ 3,620,234	\$ (461,826)	27.85
10.0% Design & Estimating Contingency	\$ 6,004,795	\$ 7,602,490	\$ 1,597,696	58.48
<b>TOTAL CONSTRUCTION COST</b>	<b>\$ 77,081,517</b>	<b>\$ 87,215,227</b>	<b>\$ 10,133,710</b>	<b>670.89</b>

<b>SOFT COSTS</b>				
<b>Owner Expenses</b>	\$ 1,920,000		\$ (600,128)	
Legal, Bonding & Accounting Expenses		\$ 485,000		
Builders Risk		\$ 200,000		
Moving / Storage Expenses		\$ 100,000		
Printing & Advertising		\$ 50,000		
Code Review				
Materials Testing & Inspections		\$ 200,000		
Commissioning Agent		\$ 134,872		
Temporary Utilities		\$ 150,000		
Swing Space		N / A		
<b>Professional Services</b>	\$ 3,840,000	\$ 3,830,660	\$ 240,660	
A/E Fees (QAM)				
Ed Spec, Site Assess, Grant Sub		w/ Above		
Concept Design Phase		w/ Above		
Schematic Design Phase		w/ Above		
Design Development Phase		w/ Above		\$ -
Construction Document Phase		w/ Above		



## BRISTOL NORTHEAST MIDDLE SCHOOL

### SCHEMATIC DESIGN

Drawings Dated: 09/15/2023

Estimate Date: 11/01/2023

### ESTIMATE SUMMARY

SPEC SECTION	DESCRIPTION	CONCEPTUAL	SCHEMATIC	VARIANCE	COST / SF
		12/2/2022 130,000 sf	11/1/2023 130,000 sf		
	Bidding & Construction Administration		w/ Above		
	Design, Procurement & CA for FF&E		\$ 50,000		
	Enviromental Testing		\$ 100,000		
	Not to Exceed Reimbursables		\$ 100,000		
	Owner's Rep				
	<b>Enviromental Services</b>			\$ 290,000	
	Hazmat Consultant Phase 1	w/ A/E Fee	w/ A/E Fee		
	Hazmat Consultant Phase 2	w/ A/E Fee	w/ A/E Fee		
	Hazmat Consultant Phase 3	w/ A/E Fee	w/ A/E Fee		
	Hazmat Consultant Test. & Design Docs	w/ A/E Fee	w/ A/E Fee		
	Hazmat Consultant Construction Phase	w/ Owner Exp.	\$ 125,000		
	Hazmat Abatement Bid Management	w/ Owner Exp.	\$ 25,000		
	DEEP Stormwater Permit Mgmt	w/ Owner Exp.	\$ 65,000		
	3rd Party Review	w/ Owner Exp.	\$ 25,000		
	Utility Fees / Permits		w/ Above		
	LEED Consultant	w/ A/E Fee	w/ A/E Fee		
	Geotechnical Services	w/ Owner Exp.	\$ 50,000		
	Land Survey and Permitting	w/ A/E Fee	w/ A/E Fee		
	Wetland Mapping Surveyor	w/ A/E Fee	w/ A/E Fee		
	Traffic Control Engineer	w/ A/E Fee	w/ A/E Fee		
	Tech & AV Consulting	w/ A/E Fee	w/ A/E Fee		
	<b>FF&amp;E and Technology</b>				\$ -
	Furniture Fixtures & Equipment	\$ 3,915,000	\$ 2,000,000	\$ 205,000	
	Tech., Phones, Servers & Switches, etc.	w/ Above	\$ 2,000,000		
	Shop Equipment	w/ Above	\$ 120,000		
	<b>Soft Cost Contingency</b>				
	Owner Contingency on Hard Cost (5%)		\$ 4,360,761		
	Owner Contingency on Soft Costs (10%)	\$ 2,312,446	\$ 981,053	\$ (1,331,392)	\$ 8
<b>OWNER SOFT COSTS</b>		<b>\$ 11,987,446</b>	<b>\$ 15,152,347</b>	<b>\$ 3,164,901</b>	<b>\$335 /sf</b>
<b>TOTAL PROJECT COST</b>		<b>\$ 89,068,962</b>	<b>\$ 102,367,574</b>	<b>\$ 13,298,611</b>	<b>\$787 /sf</b>

COST MANAGEMENT LOG

<b>Total Construction Cost</b>	\$96,021,637	<b>Status</b>
<b>Amount of Recommended Items</b>	-\$8,806,410	1 = Recommended
<b>Total Project Cost w/ Adjustment</b>	<b>\$87,215,227</b>	2 = Approved
		3 = Pending
<b>Budget</b>	\$77,081,517	4 = Rejected
<b>Amount Needed to Meet Budget</b>	<b>\$10,133,710</b>	

Item #	Description	Status Code	Estimated w/o Markups	Recommended	Approved	Pending	Rejected
1a	Reduce Building Gross Area (135K to 130K)	1	(\$2,440,500)	(\$2,440,500)			
1b	Further Reduce Building Gross Area (TBD)		TBD				
2	HM ILO of Aluminum Frames Exterior	1	(\$28,559)	(\$28,559)			
3	HM ILO of Aluminum Frames Interior	1	(\$84,700)	(\$84,700)			
4	GL-4 Reduce quantity at Exterior Doors 33% (	1	\$ (49,026)	(\$49,026)			
5	GL-3 Reduce quantity at Exterior by 25% (2,085 sf)	1	\$ (90,951)	(\$90,951)			
6	Punched Windows ILO Storefront SF3 SF5 & Curtainwall CW01, CW03 & CW04	1	(\$485,627)	(\$485,627)			
7	Eliminate wall tile quantity in Corridors (abuse resistant)	3	(\$176,000)			(\$176,000)	
8	Eliminate PWT2 Modular Mosaic (Wall) Tile in Corridor A	3	\$ (30,184)			(\$30,184)	
9	Reduce wall tile to 6'H in all restrooms (CWT1, CWT2, CWT3, PWT1)	1	(\$80,899)	(\$80,899)			
10	Delete Mechanical Screens	1	\$ (426,129)	(\$426,129)			
11	Eliminate Envista Decorative Deck (acoustical w/ clouds)	1	(\$14,634)	(\$14,634)			
12	Eliminate One Elevator and Centrally Locate the Other	1	\$ (133,250)	(\$133,250)			
13	Eliminate Auxillary Gym	3	TBD			TBD	
14	Reduce the size of the front canopy (15%)	1	(\$5,000)	(\$5,000)			
15	Reduce the size of the back canopy (15%)	1	(\$4,200)	(\$4,200)			
16	Eliminate Curved Knee Walls in the Corridors (straight ILO)	1	\$ (18,573)	(\$18,573)			
17	Eliminate Wallcovering (tile wainscott or abuse resistant)	1	\$ (102,789)	(\$102,789)			
18	Reduce the Quantity of Skylights (100% w/ added windows TBD)	1	(\$114,000)	(\$114,000)			
19	Eliminate OCG1: 24x24 Gridware Ceiling in the Fitness Rm (w/ sf reduction)	3	See #1			See #1	
20	Eliminate the K-13 Acoustic Spray Insulation Finish (shop rm)	3	\$ (15,144)			(\$15,144)	
21	Reduce AMP1: Linear Metal Wood Look Ceiling (25%) Media Center & Cafeteria	1	(\$73,714)	(\$73,714)			
22	Reduce Acoustical Clouds AWP1 in Corridor A116 "Main Street" (25%)	3	(\$29,674)			(\$29,674)	
23	Eliminate Exterior Sun Shades (add media center tint or fritted)	1	\$ (83,333)	(\$83,333)			
24	Eliminate Storefront at the top of the Stair Towers (3 sides less 2' returns)	1	(\$150,439)	(\$150,439)			
24a	Eliminate Stair Tower at Roof (middle & southern)	1	(\$81,520)	(\$81,520)			
25	Solid Surface ILO Quartz	1	(\$2,353)	(\$2,353)			
26	Reallocate Smart Board Material Costs to Soft Costs - Included	1	Included	Included			
27	Eliminate Amphitheater Fabric Seating in the Media Center	1	(\$20,165)	(\$20,165)			
28	Eliminate Rolling Divider in the Gym (hard wall substitution TBD)	1	\$ (176,693)	(\$176,693)			
29	Eliminate PL5 Wall Cladding Surround at Corridor A (decorative substitution TBD)	1	(\$28,981)	(\$28,981)			
30	Reduce AWP2 Ecoustic Domino Wall Tile (1,653 sf) - 50%	1	(\$33,473)	(\$33,473)			
31	Eliminate APC1 Acoustic Sky Panels, Modular System at Media Center Desk	3	(\$2,117)			(\$2,117)	
32	Eliminate Clerestory Interior Windows in Corridors/Classrooms (sub for HM)	1	(\$50,459)	(\$50,459)			
33	Provide Plastic Laminate Window Sills ILO of Solid Surface Window Sills	3	(\$30,425)			(\$30,425)	
34	Eliminate AWP4 Perforated Metal Acoustic Panels in the Tech Shop	3	\$ (8,505)			(\$8,505)	
35	Provide Manual Roller Shades ILO of Motorized (media center and cafeteria)	3	(\$15,560)			(\$15,560)	
36	Eliminate Millwork Drying Racks in Art Classrooms (reallocate to FF&E)	1	\$ (16,728)	(\$16,728)			
37	Eliminate NW Soccer Field & Detention Infiltration Area	1	(\$132,187)	(\$132,187)			
38	Eliminate NW Detention Infiltration Area	1	Incl w/ #37	Incl w/ #37			
39	Eliminate Topical Mitigation for Admixture	1	(\$428,367)	(\$428,367)			
40	Add Impact Resistant Drywall to Corridors	1	Incl w/ #7	Incl w/ #7			
41	Delete Curved Sofits Above Curved Kneewalls	1	(\$12,684)	(\$12,684)			
42	September 2024 start date ILO November 2024	1	(\$255,500)	(\$255,500)			
43	Eliminate (2) Restrooms on ground floor	1	(\$39,880)	(\$39,880)			
44	Simplify Structure and Roof Level	1	(\$845,000)	(\$845,000)			
45	Reduce Exterior Glazing Quantity - Target Reduction 20% (-3,900 sf)	1	(\$323,700)	(\$323,700)			
46	Exterior Brick ILO metal panels	1	(\$245,219)	(\$245,219)			
47	Reduce soffit overhangs throughout by 50% (extend 1.5' - 3.5')	1	(\$52,378)	(\$52,378)			
48	Eliminate Athletic Field Synthetic Turf and Carry as an Add Alternate	1	\$ (990,000)	(\$990,000)			
49	Eliminate Playground Synthetic Turf and Carry as an Add Alternate	1	\$ (184,800)	(\$184,800)			
50	Anticipated target cost management savings	1	(\$500,000)	(\$500,000)			
<b>SUBTOTAL COST MANAGEMENT SAVINGS:</b>			<b>(\$9,114,019)</b>	<b>(\$8,806,410)</b>	<b>\$0</b>	<b>(\$307,609)</b>	<b>\$0</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>01 50 00 - PROJECT REQUIREMENTS</b>					
				<b>Total Project Requirements</b>	<b>\$ 359,300</b>
<b>01 74 00 - PROJECT CLEANLINESS</b>					
<u>Progress Cleaning</u>					
Daily Clean-up (2 Full Time)	40	mos	\$ 10,380	\$ 415,200	
Field Office Clean-up	24	mos	\$ 1,075	\$ 25,800	
<u>Final Cleaning</u>					
Final Cleaning	134,881	sf	\$ 0.80	\$ 107,905	
Second Cleaning after FF&E	134,881	sf	\$ 0.25	\$ 33,720	
				<b>Total Cleaning</b>	<b>\$ 582,625</b>
<b>02 11 00 - CONTAMINATED SOIL</b>					
<u>Contaminated Soil</u>					
Contaminated Soils / Polluted Soils (25% of waste)	600	cy	\$ 125	\$ 75,000	
				<b>Total Contaminated Soil Excavation</b>	<b>\$ 75,000</b>
<b>02 80 00 - HAZARDOUS ABATEMENT</b>					
<u>Exterior Hazmat</u>					
NA					
<u>Interior Hazmat</u>					
General Interior Abatement	77,441	sf	\$ 15.00	\$ 1,161,615	
				<b>Total Hazardous Component Abatement</b>	<b>\$ 1,161,615</b>
<b>02 40 10 - BUILDING DEMOLITION</b>					
<u>Mass Building Demolition</u>					
	77,441	sf	\$ 22.00	\$ 1,703,702	
				<b>Total Building Demolition</b>	<b>\$ 1,703,702</b>
<b>02 41 19 - SELECTIVE DEMOLITION</b>					
<u>Exterior</u>					
NA					
<u>Interior</u>					
NA					
				<b>Total Selective Demolition</b>	<b>\$ -</b>
<b>03 30 00 - CAST-IN-PLACE CONCRETE</b>					
<u>Footings, Piers, &amp; Walls</u>					
<u>Footings (form, place, strip)</u>					
Formwork	6,210	cyd			
Concrete materials - 3,000 psi		sf	\$ 22	\$ 136,620	
Concrete materials - 4,000 psi	230	cy	\$ 200	\$ 46,000	w/ Above
Concrete materials - 5,000 psi					w/ Above
Pour footings					w/ Above
Reinforcement	1.0	ton	\$ 17,500	\$ 17,500	
Install anchor bolts					w/ Above
Set & grout base plates					w/ Above
<u>Pilasters &amp; Piers</u>					
Formwork	1,809	sf	\$ 22	\$ 39,798	
Concrete materials					w/ Below
Pour pilaster & piers	67	cy	\$ 850	\$ 56,950	
Reinforcement	1	ton	\$ 5,000	\$ 5,000	
<u>Walls - 0' - 4' (Form, Place, &amp; Strip)</u>					
Formwork	18,090	sf	\$ 22	\$ 397,980	
Concrete materials - 4,000 psi	670	cy	\$ 200	\$ 134,000	
Pump walls					w/ Above
Reinforcement	1	ls	\$ 50,000	\$ 50,000	
<u>Elevator Pit (formwork, concrete &amp; rebar)</u>					
Footings 12" Thick w/ Sum Pit	244	sf	\$ 28	\$ 6,800	
Walls - 8" Thick 5' Tall	360	sf	\$ 38	\$ 13,601	
Concrete materials - 3,500 psi	21	cy	\$ 200	\$ 4,217	
Pump rental, walls & footings	2	ea	\$ 2,000	\$ 4,000	
Keyway	72	lf	\$ 5	\$ 360	
Install waterstop	72	lf	\$ 10	\$ 720	
Reinforcement	2	ea	\$ 5,500	\$ 11,000	
Waterproofing	504	sf	\$ 12	\$ 6,048	

ESTIMATE DETAIL		SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total	
<b>Slab on Grade</b>						
Slab on Grade - Material & Labor (standard 5")	80,308	sf				
Concrete material - 5" thick	1,358	cy	\$ 200	\$ 271,600		
Concrete material - slab haunches at cmu partitions	70	cy	\$ 200	\$ 14,000		
Moisture reducing agent	1,358	cy		Excluded w/ Moisture Mitigation		
Reinforcement - WWM 6x6	80,308	sf	\$ 3	\$ 240,924		
Place & Finish	80,308	sf	\$ 5	\$ 361,386		
Vapor Barrier				w/ Above		
Perimeter joints				w/ Above		
Control joints	6,256	lf	\$ 3	\$ 18,768		
<b>Slab on Deck</b>						
Slab on Deck - Material & Labor	55,311	sf				
Concrete material - 5" thick	853	cy	\$ 200	\$ 170,600		
Moisture reducing agent	853	cy		Excluded w/ Moisture Mitigation		
Reinforcement	55,311	sf	\$ 3	\$ 165,933		
Place & Finish	55,311	sf	\$ 5	\$ 248,900		
<b>Stairs - Flatwork</b>						
Stair Pans & Landings	3,120	sf	\$ 12	\$ 37,440		
Stairs - Exterior - See Civil Concrete				w/ Sitework		
<b>Misc.</b>						
Stage Slab, Decking and Stair Allowance	1	allw	\$ 75,000	\$ 75,000		
Rigid Insulation (4'+2')	12,600	sf	\$ 5	\$ 56,700		
Misc Housekeeping Pads	160	ls	\$ 16	\$ 2,560		
Temp heat for concrete work	1	winter	\$ 60,000	\$ 60,000		
					<b>Total Cast in Place Concrete</b>	<b>\$ 2,654,404</b>
<b>04 20 00 - MASONRY</b>						
<b>Exterior New Walls</b>						
CMU - 8"	2,145	sf	\$ 32.00	\$ 68,648		
Brick Veneer - 4" w/ rigid insulation & avb included	47,791	sf	\$ 40	\$ 1,911,856		
Cast Stone transition wall band & sills	1,440	lf	\$ 150	\$ 216,026		
<b>Interior Walls</b>						
8" CMU Stairwells & Elevator - Fully Grouted w/ Reinforcing	21,841	sf	\$ 32	\$ 698,981		
8" CMU Acoustic at Gym Area	16,500	sf	\$ 33	\$ 544,566		
BB-1 Bond Beam at masonry openings	1	ls	\$ 20,000	\$ 20,000		
<b>Miscellaneous General Requirements</b>						
Scaffolding & Staging	1	ls	\$ 50,000	\$ 50,000		
Expansion Joints	1	ls	\$ 20,000	\$ 20,000		
Joint Sealants	1	ls	\$ 30,000	\$ 30,000		
Firestopping at Exterior Walls				w/ Above		
Winter Conditions	1	ls	\$ 50,000	\$ 50,000		
Rigid Insulation - 3" at Masonry Walls	47,791	sf	\$ 4.50	\$ 215,084		
Fluid Applied Air & Vapor Barriers at Masonry	47,791	af	\$ 6.90	\$ 329,795		
					<b>Total Unit Masonry</b>	<b>\$ 4,154,956</b>
<b>05 12 00 - STRUCTURAL STEEL</b>						
<b>Structural Steel - Columns &amp; Beams</b>						
lbs per sf	809	tons	\$ 6,000.00	\$ 4,855,716		
	12.0	lbs		w/ Above		
<b>Connections</b>						
Base Plates, Bearing Plates, Anchor Bolts, Clips, Angles & Connections 15%	121	tons	\$ 5,500.00	\$ 667,661		
<b>Decking</b>						
Steel Floor Deck / angle - new	55,311	sf	\$ 7.00	\$ 387,177		
Steel Roof Deck / angle - new	80,308	sf	\$ 7.00	\$ 562,156		
Steel Decorative Exposed Deck	7,500	sf	\$ 9.00	\$ 67,500		
<b>Miscellaneous</b>						
Crane / Rigging	3	mos	\$ 15,000.00	\$ 45,000		
Fire Watch	1	ls	\$ 5,000.00	\$ 5,000		
					<b>Total Structural Steel</b>	<b>\$ 6,590,210</b>
<b>05 50 00 - METAL FABRICATIONS</b>						
<b>Exterior</b>						
Mech Screening, Vertical 10"x10"x1/2" HSS - 9' Tall, Horiz. 6"x6"x1/2" HSS Cont.	437	lf	\$ 515	\$ 225,055		
Exterior Canopy (Back of Building)	1	ls	\$ 28,000	\$ 28,000		
Roof Stairs (Hot Dip Galv.)	1	ls	\$ 21,500	\$ 21,500		
Ship Ladder (Hot Dip Galv.)	1	ls	\$ 25,000	\$ 25,000		
Roof Access Ladders (Hot Dip Galv.)	1	ls	\$ 26,500	\$ 26,500		

ESTIMATE DETAIL		SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total	
<b>Interior</b>						
Switchback Stairwells w/ Pan Stairs & Railings (Shop Primed) (Stairwells 1-4)	1	ls	\$ 305,000	\$ 305,000		
Main Stair 5 w/ Pan Stairs, Railings & Wire Mesh Guardrails (Shop Primed)	1	ls	\$ 91,000	\$ 91,000		
Loose Lintels (Hot Dip Galv.)	1	ls	\$ 65,000	\$ 65,000		
Access Ladder (Shop Primed)	1	ls			w/ Roofing	
Media Stage Railings	1	ls	\$ 8,850	\$ 8,850		
Ramp Railings (Shop Primed)	1	ls	\$ 15,000	\$ 15,000		
Elevator Ladder, Sill Angles, Hoist Beam, Pit Cover	1	ls	\$ 21,000	\$ 21,000		
<b>Miscellaneous</b>						
Delegated Design, Shops, Coordination	1	ls	\$ 45,000	\$ 45,000		
Crane / Rigging / Lift / Lull / Delivery	1	ls	\$ 15,000	\$ 15,000		
					<b>Total Metal Fabrications</b>	<b>\$ 891,905</b>
<b>06 10 00 - ROUGH CARPENTRY</b>						
<b>Blocking</b>						
Curtain Wall (perimeter)	3,150	lf	\$ 15.53	\$ 48,916		
Storefront (perimeter)	7,035	lf	\$ 15.53	\$ 109,245		
Roof Perimeter Wood Blocking (assume 3 pcs)					w/ Roofing	
Miscellaneous Roof Transitions, Skylight Blocking, etc.					w/ Roofing	
Roof Curb Blocking					w/ Roofing	
Misc. Interior Wall Blocking (20% of wall area)					w/ Gyp Drywall	
<b>Temporary Protections</b>						
<b>Temporary Partitions</b>						
<b>Temp Doors</b>						
<b>Floor Protection</b>						
Temporary Floor Protection Maintenance	1	ls	\$ 10,250.00	\$ 10,250		
Remove Floor Protection	10	cd	\$ 1,656.40	\$ 16,564		
<b>Enclosures</b>						
Temp Window Enclosures					NA	
<b>Equipment</b>						
Lift Rental	1	ls	\$ 10,250	\$ 10,250		
Scaffold Stair Towers for Roof Access	1	ls	\$ 30,750	\$ 30,750		
<b>Safety</b>						
Wood Safety Rails, Plywood Covers, Etc	134,881	sf	\$ 0.52	\$ 69,818		
<b>Misc.</b>						
					<b>Total Rough Carpentry</b>	<b>\$ 295,792</b>
<b>06 20 00 - FINISH CARPENTRY</b>						
<b>Interior</b>						
<b>Casework / Millwork - Materials</b>						
Cabinets - Base	650	lf	\$ 383.35	\$ 249,178		
Cabinets - Upper	650	lf	\$ 278.80	\$ 181,220		
Cabinets - Full height lockable	200	lf	\$ 1,115.20	\$ 223,040		
Cabinets - Full Height Drying Rack	20	lf	\$ 836.40	\$ 16,728		
PL3 Laminated Display Case	16	lf	\$ 906.10	\$ 14,498		
Art Gallery: As Hanging Display System	16	lf	\$ 627.30	\$ 10,037		
Reception Desk	29	lf	\$ 836.40	\$ 24,256		
Circulation Desk	17	lf	\$ 836.40	\$ 14,219		
Science Instructor Station	63	lf	\$ 801.55	\$ 50,498		
Science Student Station	285	lf	\$ 801.55	\$ 228,442		
Fabric (wrapped) Seating Area	103	sf	\$ 205.00	\$ 21,115		
Casework - Bookshelves (5 shelves) PLAM	9	lf	\$ 1,080.35	\$ 9,723		
<b>Casework / Millwork - Labor</b>						
Installation	4363	hrs	\$ 123	\$ 534,513		
<b>Countertops &amp; Worksurfaces - Materials</b>						
Countertops 24" - Solid Surface	944	sf	\$ 97.58	\$ 92,116		
Countertops 24" - Epoxy Resin	1,806	sf	\$ 128.95	\$ 232,875		
Countertops 24" - Quartz	135	sf	\$ 115.01	\$ 15,526		
<b>Countertops &amp; Worksurfaces - Labor</b>						
Installation	1424	hrs	\$ 122.51	\$ 174,514		
<b>Panels &amp; Shelving - Materials</b>						
WD1 Acoustical Laminate Surface Panels	165	sf	\$ 55.87	\$ 9,219		
Wood Look Metal Paneling on Underside of Stairs	436	sf	\$ 48.79	\$ 21,272		
PL5 - Wall Cladding	872	sf	\$ 62.73	\$ 54,701		
<b>Panels &amp; Shelving - Labor</b>						
Installation	356	hrs	\$ 122.51	\$ 43,661		
<b>Running Trim - Materials</b>						
Trim					NA	
<b>Running Trim - Labor</b>						
Trim					NA	

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>Sills - Materials</b>					
Window Sills - Solid Surface	1,217	If	\$ 73.21	\$ 89,100	
<b>Sills - Labor</b>					
Installation	212	hrs	\$ 122.51	\$ 25,973	
<b>Miscellaneous</b>					
* Chain of custody and certification for FSC is excluded					Excluded
				<b>Total Finish Carpentry</b>	<b>\$ 2,336,421</b>
<b>07 10 00 - DAMP / WATERPROOFING</b>					
<u>Damp / Waterproofing</u>					
Elevator Pit	461	sf	\$ 8.32	\$ 3,837	
				<b>Total Damp / Waterproofing</b>	<b>\$ 3,837</b>
<b>07 21 00 - THERMAL INSULATION</b>					
<u>Thermal Insulation</u>					
Spray Foam Insulation					Excluded
Loose-Fill Cellulose Insulation (10") at Light Gauge Framing Areas					w/ Gyp Drywall
Rigid Insulation - 3" Verticle & Horizontal at Conc Foundation & Slab on Grade					w/ Concrete
Rigid Insulation - 3" at Masonry Walls					w/ Masonry
Rigid Insulation - 3" at Metal Panel Walls					w/ Metal Panels
Batt Insulation - In-wall Drywall Partitions					w/ Gyp Drywall
				<b>Total Thermal Insulation</b>	<b>\$ -</b>
<b>07 25 00 - AIR &amp; VAPOR BARRIERS</b>					
<u>Fluid Applied</u>					
Fluid Applied Air & Vapor Barriers at Masonry					w/ Masonry
Fluid Applied Air & Vapor Barriers at Metal Panels					w/ Metal Panels
				<b>Total Air &amp; Vapor Barriers</b>	<b>\$ -</b>
<b>07 46 00 - EXTERIOR PANELS</b>					
<u>Exterior</u>					
PW01 - Panel Wall 2" Insulated Metal Panel	2,288	sf	\$ 109.68	\$ 250,936	
PW02 - Panel Wall 2" Insulated Metal Panel	366	sf	\$ 109.68	\$ 40,141	
PW03 - Panel Wall 2" Insulated Metal Panel	360	sf	\$ 109.68	\$ 39,483	
Metal Soffit Panels	750	sf	\$ 109.68	\$ 82,256	
Mechanical Roof Screens	3,018	sf	\$ 66.63	\$ 201,074	
Rigid Insulation - 3" at Metal Panels	3,014	sf	\$ 4.61	\$ 13,902	
Fluid Applied Air & Vapor Barriers Metal Panels	3,014	af	\$ 7.07	\$ 21,317	
				<b>Total Exterior Panels</b>	<b>\$ 649,110</b>
<b>07 50 00 - ROOFING</b>					
<u>Membrane Roofing - Single-Ply</u>					
Type 1 EPDM Roofing system on coverboard - tapered	58,621	sf	\$ 34.85	\$ 2,042,942	
Type 2 EPDM Roofing system on coverboard - 6" rigid insulation	11,457	sf	\$ 32.80	\$ 375,790	
Type 3 EPDM Roofing system on coverboard - tapered	11,666	sf	\$ 34.85	\$ 406,560	
<u>Standing Metal Seam Roof</u>					
Standing Seam Metal Roofing, w/ 30lb Felt	133	sf	\$ 51.25	\$ 6,816	
<u>Flashing &amp; Sheet Metal</u>					
Cap Flashing at EPDM Roof	392	If	\$ 9.23	\$ 3,616	
<u>Miscellaneous</u>					
Skylight	19	ea	\$ 12,000.00	\$ 228,000	
Smoke Vents	2	ea	\$ 20,500.00	\$ 41,000	
Roof Hatch	1	ls	\$ 3,587.50	\$ 3,588	
Roof Ladder & Safety	2	ea	\$ 5,637.50	\$ 11,275	
Roof Drains at Buildings	35	ea	\$ 1,230.00	\$ 43,050	
Set Mechanical Curbs & Flashing	824	If	\$ 20.50	\$ 16,892	
Roof Perimeter Blocking (assume 3 pcs)	5,574	If	\$ 14.35	\$ 79,987	
Skylight Blocking (assume 3 pcs)	392	If	\$ 14.35	\$ 5,625	
Roof Coping 0.040 Prefinished Aluminum	5,574	If	\$ 21.53	\$ 119,980	
Roof Walkway Pads (30"Square)	350	ea	\$ 12.30	\$ 4,305	
Temp Roof Rails	500	If	\$ 94.30	\$ 47,150	
Fall Protection	1	allw	\$ 10,000.00	\$ 10,000	
				<b>Total Roofing</b>	<b>\$ 3,446,576</b>
<b>07 62 00 - SHEET MTL FLASHING &amp; TRIM</b>					
<u>Exterior</u>					
Cap flashing					w/ Roofing
				<b>Total Flashing &amp; Trim</b>	<b>\$ -</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>07 81 00 - APPLIED FIREPROOFING</b>					
<u>Applied Fireproofing</u>					
Applied Fireproofing - 1 hr at Beams & Deck	134,881	sf	\$ 0.77	\$ 103,690	
Applied Fireproofing - 1 hr at Columns	134,881	sf	\$ 0.56	\$ 76,039	
				<b>Total Applied Fireproofing</b>	<b>\$ 179,729</b>
<b>07 84 00 - PENETRATION FIRESTOPPING</b>					
<u>Firestopping</u>					
Firestopping	134,881	sf	\$ 0.31	\$ 41,476	
Fire-Resistive Joint Systems - Smoke 1 Hr / 2 Hr	134,881	sf	\$ 0.51	\$ 69,127	
				<b>Total Penetration Firestopping</b>	<b>\$ 110,602</b>
<b>07 92 00 - JOINT SEALANTS</b>					
<u>Joint Sealants</u>					
Foundations					w/ Trades
Millwork / Casework					w/ Trades
Door Frames	200	ea	\$ 82.00	\$ 16,359	
Windows	266	ea	\$ 281.88	\$ 74,979	
Misc Joint Sealants	134,881	sf	\$ 0.31	\$ 41,476	
				<b>Total Joint Sealants</b>	<b>\$ 132,814</b>
<b>08 10 00 - DOORS &amp; FRAMES</b>					
<u>Exterior Doors &amp; Frames</u>					
Frames - Material					
HM Frame - Double					
HM Frame - Single					
Doors - Material					
HM Doors					
FRP Doors					
<b>Labor</b>					
Unload, Catalogue, Distribute					
Frame Installation					
Door Installation					
<u>Interior Doors &amp; Frames</u>					
Frames					
Door Type D HM 6070	4	lvs	\$ 512.50	\$ 2,050	
Door Type F HM 6070	4	lvs	\$ 871.25	\$ 3,485	
<b>Doors</b>					
Door Type A Wood Flush 3070	63	lvs	\$ 512.50	\$ 32,288	
Door Type B Wood Flush 3070 with narrow lite	105	lvs	\$ 671.38	\$ 70,494	
Door Type C Wood Flush 6070	4	lvs	\$ 512.50	\$ 2,050	
Door Type D Wood Flush 6070	82	lvs	\$ 512.50	\$ 42,025	
Door Type D Wood Flush 8080	4	lvs	\$ 820.00	\$ 3,280	
<b>Labor</b>					
Unload, Catalogue, Distribute					
Frame Installation					
Door Installation					
200 hrs \$ 117.80 \$ 23,501					
12 hrs \$ 122.51 \$ 1,470					
387 hrs \$ 117.80 \$ 45,589					
<u>Misc.</u>					
Door Hardware - See hardware section					
					w/ Hardware
				<b>Total Doors &amp; Frames</b>	<b>\$ 226,233</b>
<b>08 30 00 - SPECIALTY DOORS</b>					
<u>Exterior</u>					
Overhead Doors (10' x 10')	2	ea	\$ 12,300.00	\$ 24,600	
Overhead Door Frames	2	ea	\$ 1,552.88	\$ 3,106	
<u>Interior</u>					
Overhead Security Grate (8' x 10')	3	ea	\$ 8,282.00	\$ 24,846	
Overhead Security Grate (5' x 10')	1	ea	\$ 7,943.75	\$ 7,944	
Overhead Coiling Door Frames	4	ea	\$ 1,552.88	\$ 6,212	
Access Doors	1	allow	\$ 2,562.50	\$ 2,563	
				<b>Total Specialty Doors</b>	<b>\$ 69,270</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>08 41 00 - ENTRANCE &amp; STOREFRONTS</b>					
<u>Exterior</u>					
SF01 GL-3 School Guard, Insulated Security Glazing - Level 3	16	sf	\$ 205	\$ 3,280	
SF02	14	sf	\$ 123	\$ 1,722	
SF03	2,130	sf	\$ 123	\$ 261,990	
SF04	44	sf	\$ 123	\$ 5,412	
SF05	6,480	sf	\$ 123	\$ 797,040	
SF06	804	sf	\$ 123	\$ 98,892	
SF07	580	sf	\$ 123	\$ 71,340	
SF08	321	sf	\$ 123	\$ 39,483	
SF09	270	sf	\$ 123	\$ 33,210	
SF10	357	sf	\$ 123	\$ 43,911	
SF11	268	sf	\$ 123	\$ 32,964	
SF12	69	sf	\$ 123	\$ 8,487	
SF13	196	sf	\$ 123	\$ 24,108	
SF015	120	sf	\$ 123	\$ 14,760	
SF022	108	sf	\$ 123	\$ 13,284	
SF023	11	sf	\$ 123	\$ 1,353	
SF024	237	sf	\$ 123	\$ 29,151	
SF025	73	sf	\$ 123	\$ 8,979	
<u>Storefront - Ballistic (School Guard)</u>					
Alum. 5'11" x 7'2-3/4" Type E GL-4 Security Glazing	2	ea	\$ 4,736	\$ 9,471	
Alum. 5'11-3/4" x 7'11" Type E GL-4 Security Glazing	4	ea	\$ 5,412	\$ 21,648	
Alum. 6'0 x 7'10-3/4" Type E GL-4 Security Glazing	4	ea	\$ 5,412	\$ 21,648	
Alum. 6'0 x 7'11" Type E GL-4 Security Glazing	4	ea	\$ 5,412	\$ 21,648	
Alum. 6'0' x 8'4-3/4" Type E GL-4 Security Glazing	2	ea	\$ 5,679	\$ 11,357	
Alum. 6'1-3/4" x 7'11" Type E GL-4 Security Glazing	4	ea	\$ 5,412	\$ 21,648	
Alum. 6'3" x 7'10-3/4" Type E GL-4 Security Glazing	2	ea	\$ 5,412	\$ 10,824	
Alum. 6'3" x 7'2-3/4" Type E GL-4 Security Glazing	6	ea	\$ 5,053	\$ 30,320	
<u>Aluminum Door Assemblies (per leaf)</u>					
Alum. 5'11" x 7'10-3/4" Type E	2	ea	\$ 2,255	\$ 4,510	
Alum. 5'6 x 7'11" Type E	4	ea	\$ 2,255	\$ 9,020	
Alum. 6'0 x 7'10-3/4" Type E	2	ea	\$ 2,255	\$ 4,510	
Alum. 6'0' x 9'0-3/4" Type E	2	ea	\$ 2,563	\$ 5,125	
Alum. 6'1-3/4" x 7'11" Type E	4	ea	\$ 2,255	\$ 9,020	
<u>Glass Door Assemblies (per leaf)</u>					
GL 10'0" x 10'0 Single Type G	1	ea	\$ 2,358	\$ 2,358	
GL 2'11-1/2" x 8'4-3/4'70 Single Type C	1	ea	\$ 2,358	\$ 2,358	
GL 2'8-1/4" x 7'10-1/2'70 Single Type C	1	ea	\$ 2,358	\$ 2,358	
GL 5'11-3/4" x 7'0 Single Type G	2	ea	\$ 2,358	\$ 4,715	
Aluminum Door Assemblies - Ballistic - Schoolguard (per leaf)	28	ea	\$ 4,613	\$ 129,150	
<u>Door Hardware</u>					
Door Hardware	47	ea	\$ 1,538	\$ 72,263	
<u>Horizontal Sun Shades</u>					
Aluminum Sun Shades	542	sf	\$ 154	\$ 83,333	
<u>Interior</u>					
SF016	68	sf	\$ 108	\$ 7,319	
SF17	270	sf	\$ 108	\$ 29,059	
SF018	105	sf	\$ 108	\$ 11,301	
SF019	24	sf	\$ 108	\$ 2,583	
SF020	54	sf	\$ 108	\$ 5,812	
SF021	42	sf	\$ 108	\$ 4,520	
Aluminum Door Frames 3070	168	ea	\$ 1,230	\$ 206,640	
Aluminum Door Frames 6070	44	ea	\$ 1,538	\$ 67,650	
Aluminum Door Frames 8080	2	ea	\$ 1,845	\$ 3,690	
<b>Total Entrances &amp; Storefront</b>				<b>\$</b>	<b>2,305,220</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>08 44 00 - METAL FRAMED CURTAINWALL</b>					
<u>Curtainwall - Exterior</u>					
CW01 Curtain Wall	324	sf	\$ 133	\$ 43,173	
CW02 Curtain Wall	90	sf	\$ 133	\$ 11,993	
CW03 Curtain Wall	648	sf	\$ 133	\$ 86,346	
CW04 Curtain Wall	270	sf	\$ 133	\$ 35,978	
CW05 Curtain Wall	810	sf	\$ 133	\$ 107,933	
CW06 Curtain Wall	312	sf	\$ 133	\$ 41,574	
CW07 Curtain Wall	1,694	sf	\$ 133	\$ 225,726	
CW10 Curtain Wall	165	sf	\$ 133	\$ 21,986	
CW13 Curtain Wall	1,114	sf	\$ 133	\$ 148,441	
CW14 Curtain Wall	252	sf	\$ 133	\$ 33,579	
CW015 Curtain Wall	675	sf	\$ 133	\$ 89,944	
CW16 Curtain Wall	253	sf	\$ 133	\$ 33,712	
CW17 Curtain Wall	527	sf	\$ 133	\$ 70,223	
CW018 Curtain Wall	182	sf	\$ 133	\$ 24,252	
CW19 Curtain Wall	840	sf	\$ 133	\$ 111,930	
<u>Curtain Wall with GL-3 Security Glazing Level 3 - Exterior</u>					
CW08 Curtain Wall	500	sf	\$ 174	\$ 87,125	
CW09 Curtain Wall	753	sf	\$ 174	\$ 131,210	
CW11 Curtain Wall	267	sf	\$ 174	\$ 46,525	
CW12 Curtain Wall	549	sf	\$ 174	\$ 95,663	
				<b>Total Curtainwall</b>	<b>\$ 1,447,310</b>
<b>08 50 00 - WINDOWS</b>					
<u>Exterior</u>					
				w/ Storefront	
				<b>Total Windows</b>	<b>\$ -</b>
<b>08 71 00 - DOOR HARDWARE</b>					
<u>Exterior</u>					
<u>Door Hardware - Materials</u>					
Door Hardware	49	lvs	\$ 974	\$ 47,714	
Door Hardware - Closer premium	49	lvs	\$ 181	\$ 8,877	
Door Hardware - Mag hold premium	49	lvs	\$ 215	\$ 10,547	
Door Hardware - Panic premium	49	lvs	\$ 564	\$ 27,624	
Door Premium - Rated	49	lvs	\$ 180	\$ 8,840	
<u>Door Hardware - Labor</u>					
Door Hardware installation	98	hrs	\$ 123	\$ 12,006	
<u>Interior</u>					
<u>Door Hardware - Materials</u>					
Door Hardware	258	lvs	\$ 673	\$ 173,611	
<u>Door Hardware - Labor</u>					
Door Hardware installation	258	hrs	\$ 123	\$ 31,609	
				<b>Total Door Hardware</b>	<b>\$ 320,828</b>
<b>08 80 00 - GLASS &amp; GLAZING</b>					
<u>Glass Railings</u>					
Glass Railings					Excluded
<u>Mirrors</u>					
Framed Mirrors					w/ Toilet Access
				<b>Total Glass &amp; Glazing</b>	<b>\$ -</b>
<b>08 90 00 - LOUVERS &amp; VENTS</b>					
<u>Louvers</u>					
Louvers - misc not shown					w/HVAC
				<b>Total Louvers</b>	<b>\$ -</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>09 21 00 - GYPSUM BOARD ASSEMBLIES</b>					
<u>Exterior Walls</u>					
Wall Type G1 16' - 5/8"GWB, 10" mtl, 5/8" Ext Sheathing, 2" Spray Insulation (R-13 Min) Spray Applied Weather Barrier, 2" Rigid Insulation (R-10 Min) Masonry Ties Air Cavity Brick	19,483	sf	\$ 41.00	\$ 798,811	
Wall Type G1 14' high - 5/8" GWB,10" Mtl 5/8" Ext Sheath, 2" Spray Applied Foam Insul. (R-13 Min) Spry Appl Weather Barrier 2" Rigid (R-10 Min) Masonry Ties Air Cavity Brick	15,651	sf	\$ 41.00	\$ 641,683	
Wall Type G1 31' high - 5/8" GWB 10" Metal Stud 5/8" Exterior Sheathing 2" Spray Applied Foam Insul (R-13 Min) Spray Applied Weather Barrier 2" Rigid Insulation (R-10 Min) Masonry Ties Air Cavity Brick	2,586	sf	\$ 41.00	\$ 106,026	
Wall Type G1 MR - 5/8" GWB MR 10" Metal Stud 5/8" Exterior Sheathing 2" Spray Applied Foam Insulation (R-13 Min) Spray Applied Weather Barrier 2" Rigid Insulation (R-10 Min) Masonry Ties Air Cavity Brick	129	sf	\$ 41.77	\$ 5,388	
<u>Interior Partitions</u>					
Wall Type A2 16'H - 2 sided, 5/8" gwb, 6" mtl stud, batt, 5/8" gwb	11,513	sf	\$ 16.40	\$ 188,813	
Wall Type A2 14'H - 2 sided, 5/8" gwb, 6" mtl stud, batt, 5/8" gwb	888	sf	\$ 16.40	\$ 14,563	
Wall Type A2 14'H - 2 sided, 5/8" MR gwb, 6" mtl stud, batt, 5/8" gwb	1,696	sf	\$ 17.17	\$ 29,118	
Wall Type A2 14'H - 2 sided, 5/8" MR gwb, 6" mtl stud, batt, 5/8" MR gwb	129	sf	\$ 17.94	\$ 2,314	
Wall Type A2 20'H - 2 sides, 5/8" gwb, 6" mtl stud, batt, 5/8" gwb	883	sf	\$ 16.40	\$ 14,481	
Wall Type A2 16'H - 2 sides, 5/8" gwb, 6" mtl stud, batt, 5/8" MR gwb	3,644	sf	\$ 14.86	\$ 54,159	
Wall Type A3 16'H - 2 sides, 5/8" gwb, 8" mtl stud, batt, 5/8" gwb	41,554	sf	\$ 17.94	\$ 745,375	
Wall Type A3 14'H - 2 sides, 5/8" gwb, 8" mtl stud, batt, 5/8" gwb	36,864	sf	\$ 17.94	\$ 661,248	
Wall Type A3 14'H - 2 sides, 5/8" MR gwb, 8" mtl stud, batt, 5/8" gwb	2,389	sf	\$ 18.71	\$ 44,689	
Wall Type A3 14'H - 2 sides, 5/8" MR gwb, 8" mtl stud, batt, 5/8" MR gwb	609	sf	\$ 19.22	\$ 11,704	
Wall Type A3 31'H - 2 sides, 5/8" gwb, 8" mtl stud, batt, 5/8" gwb	1,475	sf	\$ 17.94	\$ 26,458	
Wall Type A3 16'H - 2 sides, 5/8" MR gwb, 8" mtl stud, batt, 5/8" gwb	1,688	sf	\$ 17.17	\$ 28,981	
Wall Type A3 16'H - 2 sides, 5/8" MR gwb, 8" mtl stud, batt, 5/8" MR gwb	1,323	sf	\$ 18.71	\$ 24,748	
Wall Type A4 16'H - 2 sides, 5/8" gwb, 10" mtl stud, batt, 5/8" gwb	2,527	sf	\$ 18.71	\$ 47,271	
Wall Type A4 14'H - 2 sides, 5/8" gwb, 10" mtl stud, batt, 5/8" gwb	639	sf	\$ 18.71	\$ 11,953	
Wall Type B1 16'H - 2 sides, 5/8" MR gwb, 8" mtl stud, batt, 5/8" MR gwb	187	sf	\$ 19.22	\$ 3,594	
Wall Type D1 14'H - Furring 5/8" gwb on channels	21,595	sf	\$ 9.74	\$ 210,281	
Kneewall GWB both sides	604	sf	\$ 30.75	\$ 18,573	
<u>Stage Framing</u>					
Stage Framing					w/ Rough Carp.
<u>Ceilings</u>					
PGB2: Gypsum Ceiling-Soffit -	1,705	sf	\$ 19.17	\$ 32,681	
PGB2: Gypsum Ceiling-Soffit 4' high -	2,440	sf	\$ 19.17	\$ 46,769	
PGB3: Gypsum Ceiling-Location: Bathroom, Lockers	9,057	sf	\$ 20.86	\$ 188,918	
<u>Equipment</u>					
Lifts & Equipment	1	ls	\$ 10,000	\$ 10,000	
<u>Miscellaneous</u>					
HM Frame Installation	8	ea	\$ 122.51	\$ 980	
In-wall Blocking					w/ Walls
Misc. Joint Sealants & Firestopping	11,500	lf	\$ 4.61	\$ 53,044	
				<b>Total Gypsum Board Assemblies</b>	<b>\$ 4,022,623</b>
<b>09 30 00 - TILE</b>					
<u>Floor Tile</u>					
PFT2 - Porcelain Tile	580	sf	\$ 24.60	\$ 14,268	
PFT3 - Porcelain Tile	407	sf	\$ 24.60	\$ 10,012	
PTF1 - Porcelain Tile Floor	3,275	sf	\$ 24.60	\$ 80,565	
<u>Tile Base</u>					
PTB-1 Porcelain Tile Base	1,611	lf	\$ 20.50	\$ 33,026	
CTB-1 Ceramic Tile Base	2,463	lf	\$ 19.48	\$ 47,967	
QTB-1 Quarry Tile Base		lf			
<u>Wall Tile</u>					
PWT1 - Porcelain Wall Tile - Full Ht 12'	2,724	sf	\$ 24.60	\$ 67,010	
PWT3 - Porcelain Wall Tile Backsplash - Full Ht 12' 6' wide	516	sf	\$ 24.60	\$ 12,694	
PWT3 - Porcelain Wall Wainscotting - 4' 0' high	8,800	sf	\$ 24.60	\$ 216,480	
PWT2 - Modular Mosaic Tile	1,372	sf	\$ 26.14	\$ 35,861	
CWT1 - Ceramic Wall Tile - Full Ht 12'	774	sf	\$ 23.58	\$ 18,247	
CWT2 - Ceramic Wall Tile - Full Ht 12'	390	sf	\$ 23.58	\$ 9,194	
CWT3 - Ceramic Wall Tile - Full Ht 12'	3,145	sf	\$ 23.58	\$ 74,143	
<u>Miscellaneous</u>					
Marble Thresholds	1	ls	\$ 10,250	\$ 10,250	
Crack Suppression, Waterproofing Membrane	4,262	sf	\$ 3.11	\$ 13,237	
Temporary Floor Protection	4,262	sf	\$ 2.05	\$ 8,737	
Attic Stock (3%)	3%	pct	\$ 400,790	\$ 12,024	
				<b>Total Tile</b>	<b>\$ 663,714</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>09 51 00 - ACOUSTICAL CEILINGS</b>					
<u>Acoustical Ceilings</u>					
ACT1: 24"x24"	49,652	sf	\$ 9.74	\$ 483,486	
ACT2: 24"x24"	1,228	sf	\$ 9.74	\$ 11,958	
ACT3: 24"x24"	27,815	sf	\$ 9.74	\$ 270,849	
AMP1: Linear Metal Wood Look Ceiling	6,201	sf	\$ 25.63	\$ 158,901	
APC1 Acoustic Sky Panels Modular System	81	sf	\$ 35.88	\$ 2,906	
OCG1: 24"x24" Gridware Open Cell Ceiling	985	sf	\$ 7.69	\$ 7,572	
<u>Misc.</u>					
Attic Stock (5%)	5%	pct	\$ 575,437.82	\$ 28,772	
				<b>Total Acoustical Ceiling</b>	<b>\$ 964,443</b>
<b>09 64 00 - WOOD FLOORING</b>					
<u>Wood Flooring</u>					
WAF1 - Wood Athletic Floor	9,705	sf	\$ 24.60	\$ 238,743	
WF1 - Wood Floor	1,143	sf	\$ 24.60	\$ 28,118	
Temporary Floor Protection	10,848	sf	\$ 1.03	\$ 11,119	
				<b>Total Wood Flooring</b>	<b>\$ 277,980</b>
<b>09 61 10 - VAPOR MITIGATION</b>					
<u>Topical Moisture Mitigation</u>					
Moisture Mitigation - Top / Skim Slabs	134,881	sf	\$ 4.10	\$ 553,012	
				<b>Total Vapor Mitigation</b>	<b>\$ 553,012</b>
<b>09 65 00 - RESILIENT FLOORING</b>					
<u>Stairs</u>					
RFT1 & RFT2 (Accent)- Rubber Floor Tile	1,144	sf	\$ 15.20	\$ 17,386	
RST1 - Rubber Stair Treads	3,062	sf	\$ 15.20	\$ 46,535	
<u>Floors</u>					
RES1 - Resilient Flooring	4,232	sf	\$ 6.92	\$ 29,280	
SV1 - Sheet Vinyl	870	sf	\$ 6.92	\$ 6,019	
VCT1 - Vinyl Composite Tile	5,137	sf	\$ 8.20	\$ 42,123	
VST1 - Vinyl Static Control	1,616	sf	\$ 9.23	\$ 14,908	
LS1 - Linoleum Tile	7,655	sf	\$ 9.23	\$ 70,617	
LS1 Field + Mix of LS2-LS4 Linoleum Tile	65,895	sf	\$ 12.30	\$ 810,509	
LS2 - Linoleum Tile	2,385	sf	\$ 9.23	\$ 22,002	
LVT1 - Luxury Vinyl Tile	2,336	sf	\$ 10.25	\$ 23,944	
Floor Prep				w/ Moisture Mitigation	
Temporary Floor Protection	94,332	sf	\$ 1.03	\$ 96,690	
<u>Wall Base &amp; Accessories</u>					
Resilient Wall Base	20,000	lf	\$ 3.08	\$ 61,500	
Transition Strips, Thresholds, etc	1	allw	\$ 10,250.00	\$ 10,250	
<u>Miscellaneous</u>					
Attic Stock	3%	pct	\$ 769,834.14	\$ 23,095	
				<b>Total Resilient Flooring</b>	<b>\$ 1,274,858</b>
<b>09 67 00 - RESINOUS FLOORING</b>					
<u>Epoxy Resinous Flooring</u>					
Epoxy Terrazzo Flooring	2,525	sf	\$ 46.13	\$ 116,466	
EB-1 Cove Base	290	lf	\$ 16.40	\$ 4,756	
				<b>Total Resinous Flooring</b>	<b>\$ 121,222</b>
<b>09 68 00 - CARPET</b>					
<u>Carpet</u>					
CPT1 - Carpet Tile	3,040	sf	\$ 6.70	\$ 20,362	
CPT2 - Carpet Tile	2,548	sf	\$ 6.70	\$ 17,067	
CPT3 - Carpet Tile	79	sf	\$ 6.70	\$ 529	
CPT4 - Carpet Tile	517	sf	\$ 6.70	\$ 3,463	
CPT5 - Carpet Tile	284	sf	\$ 6.70	\$ 1,902	
CPT6 - Carpet Tile	554	sf	\$ 6.70	\$ 3,711	
CPT7 - Carpet Tile	672	sf	\$ 6.70	\$ 4,501	
Floor Prep		sf		w/ Moisture Mitigation	
Attic Stock	3%	pct	\$ 31,694	\$ 951	
				<b>Total Carpet</b>	<b>\$ 52,486</b>
<b>09 80 00 - ACOUSTICAL TREATMENT</b>					
<u>Acoustical Wall Panels</u>					
AWP-2 Ecoustic Domino Wall Tile Pattern TBD	1,653	sf	\$ 51.25	\$ 84,716	
AWP-4 Perforated Metal Acoustical Panel	270	sf	\$ 41.00	\$ 11,070	
				<b>Total Acoustical Treatment</b>	<b>\$ 95,786</b>

ESTIMATE DETAIL		SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total	
<b>09 91 00 - PAINTING</b>						
<u>Exterior</u>						
Doors & Frames						
HM Doors						None - Excluded
HM Frames	8	ea	\$ 129.41	\$ 1,035		
<u>Interior</u>						
Doors & Frames						
HM / FRP Doors						None - Excluded
HM / FRP Frames						None - Excluded
Stair Finishes						
Paint Stair & Rails	9	flts	\$ 2,588	\$ 23,293		
Wall Finish						
Paint Walls - Gyp	277,662	sf	\$ 1.28	\$ 355,754		
Paint Walls - CMU	13,653	sf	\$ 1.90	\$ 25,890		
VWC2 - Vinyl Wall Covering	890	sf	\$ 38.95	\$ 34,666		
VWC3 - Vinyl Wall Covering	706	sf	\$ 38.95	\$ 27,499		
VWC4 - Vinyl Wall Covering	357	sf	\$ 38.95	\$ 13,905		
VWC5 - Vinyl Wall Covering	686	sf	\$ 38.95	\$ 26,720		
WG-1 Vinyl wall graphic		sf				
Floor Finish						
PC1 - Polished Concrete	2,744	sf	\$ 7.19	\$ 19,743		
SC1 - Sealed Concrete	1,366	sf	\$ 2.83	\$ 3,861		
Ceilings						
Exposed Structure & Deck - Painted	11,000	sf	\$ 2.07	\$ 22,776		
Sprayed Acoustic Insulation at Exposed Decks	985	sf	\$ 15.38	\$ 15,144		
Gypsum Ceilings	9,057	sf	\$ 1.35	\$ 12,189		
Gyp Soffits & Facia	4,145	sf	\$ 1.35	\$ 5,578		
<u>Misc.</u>						
Misc.Touch Ups	240	mh	\$ 84.28	\$ 20,227		
					<b>Total Painting</b>	<b>\$ 608,280</b>
<b>10 11 00 - VISUAL DISPLAY SURFACES</b>						
<u>Tack Boards</u>						
Tack Boards Strip Map Rail	1,275	lf	\$ 5.64	\$ 7,188		
<u>White Boards</u>						
Marker Board Magnetic	5,000	sf	\$ 30.75	\$ 153,750		
Marker Tray	1,000	lf	\$ 20.50	\$ 20,500		
<u>Smart Boards</u>						
Smart Boards (FOB only)	55	ea				w/ Soft Costs
<u>Labor</u>						
Installation	330	hrs	\$ 122.51	\$ 40,430		
					<b>Total Visual Display Surfaces</b>	<b>\$ 221,867</b>
<b>10 14 00 - SIGNAGE</b>						
<u>Exterior</u>						
Building Sign - Dimensional Letter Signage						
Exterior Signage	1	allw	\$ 20,500	\$ 20,500		
Exterior Window Number Decal Signage	1	allw	\$ 6,663	\$ 6,663		
<u>Interior</u>						
Interior Rm Signage - Not quantifiable						
Plaques	272	ea	\$ 155	\$ 42,238		
Directional Signage	2	ls	\$ 3,106	\$ 6,212		
Directional Signage	12	ls	\$ 513	\$ 6,150		
Egress Maps w/ Paper Insert (One Per Classroom)	1	allw	\$ 5,125	\$ 5,125		
Temporary Signage	1	ls	\$ 3,588	\$ 3,588		
					<b>Total Signage</b>	<b>\$ 90,475</b>
<b>10 21 13 - TOILET COMPARTMENTS</b>						
<u>Toilet Compartments</u>						
ADA Stalls - Floor Mounted	8	ea	\$ 2,563	\$ 20,500		
Standard Stalls - Floor Mounted	14	ea	\$ 1,896	\$ 26,548		
Urinal Screen	6	ea	\$ 362	\$ 2,174		
					<b>Total Toilet Compartments</b>	<b>\$ 49,222</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>10 22 33 - OPERABLE PARTITIONS</b>					
<u>Operable Partitions</u>					
Folding Partition at Gym	1,553	sf	\$ 114	\$ 176,693	
<b>Total Operable Partitions</b>					<b>\$ 176,693</b>
<b>10 26 00 - WALL &amp; DOOR PROTECTION</b>					
<u>Wall &amp; Door Protection</u>					
Corner Guards	140	ea	\$ 256	\$ 35,875	
Wall & Door Protection - Allowance	1	allow	\$ 10,250	\$ 10,250	
<b>Total Wall &amp; Door Protection</b>					<b>\$ 46,125</b>
<b>10 28 00 TOILET - ACCESSORIES</b>					
<u>Toilet Accessories - Materials</u>					
02 - 36" grab bar	19	ea	\$ 57	\$ 1,082	
03 - 42" grab bar	19	ea	\$ 62	\$ 1,180	
01 - 18" grab bar	19	ea	\$ 52	\$ 983	
Mirror 5'high x 30" wide	1	ea	\$ 378	\$ 378	
07 - ADA Mirror	11	ea	\$ 78	\$ 854	
11 - Mirror	10	ea	\$ 74	\$ 738	
19 - Toilet tissue dispenser (multi)	32	ea	\$ 78	\$ 2,485	
14 - Paper towel dispenser & Trash Receptacle	18	ea	\$ 285	\$ 5,124	
23 - Soap dispenser	17	ea	\$ 26	\$ 440	
12 - Sanitary napkin disposal	24	ea	\$ 31	\$ 745	
Mop & Broom Bracket	4	ea	\$ 52	\$ 207	
Robe Hooks	19	ea	\$ 21	\$ 393	
Privacy Curtain	4	ea	\$ 666	\$ 2,665	
<u>Toilet Accessories - Labor</u>					
Accessories Installation	197	ea	\$ 123	\$ 24,135	
<b>Total Toilet Accessories</b>					<b>\$ 41,411</b>
<b>10 41 00 EMRG - ACCESS CABINETS</b>					
<u>Emergency Access Cabinets</u>					
Knox Box - At Main Entry	1	ea	\$ 776	\$ 776	
<b>Total Emergency Access Cabinets</b>					<b>\$ 776</b>
<b>10 44 00 - FIRE PROTECTION SPECIALTIES</b>					
<u>Fire Extinguishers</u>					
Fire Extinguishers & Cabinets (ea)	20	ea	\$ 466	\$ 9,317	
Fire Extinguishers	20	ea	\$ 282	\$ 5,638	
<b>Total Fire Protection Specialties</b>					<b>\$ 14,955</b>
<b>10 51 00 - LOCKERS</b>					
<u>Lockers - Materials</u>					
Double Tier Locker	382	ea	\$ 410	\$ 156,620	
4 Tier Locker	184	ea	\$ 461	\$ 84,870	
<u>Lockers - Labor</u>					
Installation	566	ea	\$ 123	\$ 69,343	
<b>Total Lockers</b>					<b>\$ 310,833</b>
<b>10 75 00 - FLAGPOLES</b>					
<u>Ground Set Flagpoles</u>					
Flag Poles				w/ Sitework	
<u>Flagpole- Labor</u>					
Installation				w/ Sitework	
<b>Total Lockers</b>					<b>\$ -</b>
<b>11 13 00 - LOADING DOCK EQUIPMENT</b>					
<u>Loading Dock</u>					
				N/A	
<b>Total Dock Equipment</b>					<b>\$ -</b>

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>11 30 00 - RESIDENTIAL APPLIANCES</b>					
<u>Residential Appliances</u>					
Front Load Washer	1	ea	\$ 1,230	\$ 1,230	
Front Load Dryer	1	ea	\$ 1,230	\$ 1,230	
Refrigerator	12	ea	\$ 1,896	\$ 22,755	
Under Counter Refrigerator	1	ea	\$ 769	\$ 769	
Microwave	1	ea	\$ 256	\$ 256	
Range				None - Excluded	
Dishwasher	11	ea	\$ 769	\$ 8,456	
Unloading and setup	27	ea	\$ 118	\$ 3,181	
<b>Total Residential Appliances</b>					<b>\$ 37,877</b>
<b>11 40 00 - FOOD SERVICE EQUIPMENT</b>					
<u>Food Services Equipment</u>					
Crabtree McGrath Budget	1	allw	\$ 772,260	\$ 772,260	
<b>Total Foodservice</b>					<b>\$ 772,260</b>
<b>11 52 00 - AUDIO-VISUAL EQUIPMENT</b>					
<u>Projection Screen</u>					
None - Excluded					
<u>Televisions</u>					
None - Excluded					
<b>Total AV Equipment</b>					<b>\$ -</b>
<b>11 66 00 - ATHLETIC EQUIPMENT</b>					
<u>Gym Equipment</u>					
Basketball Hoops	8	ea	\$ 8,800	\$ 70,397	
Gym Scoreboard	1	ls	\$ 7,688	\$ 7,688	
Gym Shot Clocks	1	ea	\$ 7,431	\$ 7,431	
Gym Bleachers - Maxam	80	lf	\$ 1,238	\$ 99,056	
Wall Pads	1,763	sf	\$ 17.48	\$ 30,813	
Rollup Gym Divider	1,850	sf	\$ 15.38	\$ 28,444	
<b>Total Athletic Equipment</b>					<b>\$ 243,829</b>
<b>11 90 00 - MISC. EQUIPMENT</b>					
<u>Miscellaneous Equipment</u>					
Theater Equipment	1	allw	\$ 76,875	\$ 76,875	
Lab Fume Hood	6	allw	\$ 15,375	\$ 92,250	
<b>Total Misc. Equipment</b>					<b>\$ 169,125</b>
<b>12 20 00 - WINDOW TREATMENT</b>					
<u>Window Treatment</u>					
RS1 - Manual Roller Shades	9,700	sf	\$ 18.96	\$ 183,936	
RS2 - Motorized Roller Shades	675	sf	\$ 35.88	\$ 24,216	
RS3 - Motorized Roller Shades	245	sf	\$ 35.88	\$ 8,789	
<b>Total Window Treatment</b>					<b>\$ 216,941</b>
<b>12 48 13 - ENTRANCE MATS &amp; FRAMES</b>					
<u>Entry Mats</u>					
EM1 - Entrance Foot Grilles	144	sf	\$ 36	\$ 5,166	
EM2 - Entrance Foot Grilles	464	sf	\$ 5	\$ 2,378	
EM3 - Entrance Foot Mats	316	sf	\$ 23	\$ 7,126	
EM4 - Entrance Foot Mats	465	sf	\$ 23	\$ 10,486	
<b>Total Entry Mat &amp; Frame</b>					<b>\$ 25,156</b>
<b>12 52 00 - SEATING</b>					
<u>Auditorium Seating</u>					
Excluded					
<b>Total Fixed Seating</b>					<b>\$ -</b>
<b>13 00 00 - SPECIAL CONSTRUCTION</b>					
<u>Special Construction</u>					
Excluded					
<b>Total Special Construction</b>					<b>\$ -</b>
<b>14 20 00 - ELEVATORS</b>					
<u>Elevators</u>					
Elevator 1 - Traction Elevator - 3500 lbs	3	stop	\$ 66,625	\$ 199,875	
Elevator 2 - Traction Elevator - 3500 lbs	2	stop	\$ 66,625	\$ 133,250	
Runtime Allowance	1	ls	\$ 20,500	\$ 20,500	
<b>Total Elevators</b>					<b>\$ 353,625</b>

ESTIMATE DETAIL		SCHEMATIC				134,881 sf
DESCRIPTIONS		Qty	Unit	Unit Price	Subtotal	Total
<b>21 00 00 - FIRE PROTECTION</b>						
<u>Fire Protection General Conditions</u>						
Fire Protection	134,881	sf	\$	17	\$	2,350,301
Hydraulic calculations	1	ls				w/ Above
Testing & inspection	1	ls				w/ Above
Drain & fill system	1	ls				w/ Above
Coordination and management	1	ls				w/ Above
Permits and fees	1	ls				w/ Above
Seismic Restraints and Fasteners	1	ls				w/ Above
Coring & patching / firestopping	1	ls				w/ Above
Shop Drawings	1	ls				w/ Above
Record Drawings	1	ls				w/ Above
<u>Fire Protection Sprinkler System</u>						
6" Double Check Valve Assembly	9	ea				w/ Above
Fire Department Connection	1	ea				w/ Above
Sprinkler Test & Drain Valve	1	ea				w/ Above
Alarm Check Valve	1	ea				w/ Above
6" OS&Y Valve w/ Tamper	6	ea				w/ Above
Flow Switch	1	ea				w/ Above
Sprinkler Head - Wet Recessed / Pendant	1,356	ea				w/ Above
6" Sprinkler Pipe - Mains	500	lf				w/ Above
4" Sprinkler Pipe - Mains	3,500	lf				w/ Above
Sprinkler Branch Piping	8,400	lf				w/ Above
Electric-Driven Fire Pump	1	ea				w/ Above
					<b>Total Fire Protection</b>	<b>\$ 2,350,301</b>
<b>22 00 00 - PLUMBING</b>						
<u>Plumbing (new service)</u>						
Testing & disinfection	134,881	sf	\$	26	\$	3,456,326
Coordination & management	1	ls	\$	9,584	\$	9,584
Permits and fees	1	ls	\$	28,188	\$	28,188
Seismic restraints / bracing	1	ls	\$	11,275	\$	11,275
Coring & patching / firestopping	1	ls	\$	13,530	\$	13,530
Hoisting & rigging / floor loading	1	ls	\$	9,584	\$	9,584
Shop drawings & submittals	1	ls	\$	5,412	\$	5,412
Record drawings / as built	1	ls	\$	1,579	\$	1,579
Access panels - furnish only	1	ls	\$	2,368	\$	2,368
Interior Plumbing E&B	1	ls	\$	2,819	\$	2,819
	2,000	lf	\$	26	\$	51,250
<u>Domestic Water Piping</u>						
<u>Sanitary Waste &amp; Vent Pipe (Underground)</u>						
<u>Sanitary Waste &amp; Vent Pipe (above Ground)</u>						
<u>Storm Drainage System</u>						
<u>Gas Piping</u>						
<u>Plumbing Equipment</u>						
<u>Kitchen Plumbing Connections</u>						
<u>Plumbing Fixtures</u>						
W-1 - Water Closet - Wall Hung	35	ea	\$	2,153	\$	75,338
U-1 - Urinal - Wall Hung	9	ea	\$	2,101	\$	18,911
SH-1A - Wall Hung / Surface Mount Shower System	2	ea	\$	4,613	\$	9,225
L-1 - Lavatory - Wall Hung	19	ea	\$	1,896	\$	36,029
L-2 - Lavatory - 2 Station	3	ea	\$	2,563	\$	7,688
L-3 - Lavatory - 3 Station	3	ea	\$	5,638	\$	16,913
Epoxy Undermount Sink	34	ea	\$	564	\$	19,168
Faucet Science Table	34	ea	\$	359	\$	12,198
Faucet Science Table	34	ea	\$	359	\$	12,198
Gas Valve Science Table	24	ea	\$	205	\$	4,920
EWC-1 - Electric Water Cooler	7	ea	\$	4,356	\$	30,494
					<b>Total Plumbing</b>	<b>\$ 3,834,991</b>
<b>23 00 00 - HVAC (VAV system)</b>						
<u>HVAC General Requirements</u>						
Testing & Balancing	134,881	sf	\$	6	\$	760,392
<u>Insulation</u>						
Insulation - Duct	134,881	sf	\$	1	\$	138,253
Insulation - Pipe	134,881	sf	\$	0.56	\$	483,886
<u>Automatic Temperature Controls for HVAC</u>						
Building Management System	134,881	sf	\$	15	\$	76,039
<u>Refrigerant Piping</u>						
Refrigerant Piping - Insulated Line-set	1	lf	\$	20,500	\$	20,500
<u>Hydronic Piping</u>						
	134,881	sf	\$	3	\$	414,759

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>HVAC Air Distribution</b>					
Ductwork - Galvanized	192,057	lbs	\$ 20	\$ 3,838,740	
Volume Damper	1	ls	\$ 35,875	\$ 35,875	
RGD's	134,881	sf	\$ 1.03	\$ 138,253	
Louvers	134,881	ea	\$ 0.92	\$ 124,428	
Misc. Ductwork Accessories	134,881	sf	\$ 1.90	\$ 255,768	
<u>Exhaust Fans</u>	134,881	sf	\$ 0.51	\$ 69,127	
<u>Central Heating Equipment</u>	134,881	sf	\$ 5.64	\$ 760,392	
<u>Central Cooling Equipment</u>	134,881	sf	\$ 6.66	\$ 898,645	
<u>HVAC Terminal Equipment</u>	134,881	sf	\$ 10	\$ 1,382,530	
				<b>Total HVAC</b>	<b>\$ 11,429,905</b>
<b>26 00 00 - ELECTRICAL</b>					
<u>Electrical</u> - service, distrib., grounding, equip conn., lighting & branch wiring	134,881	sf	\$ 51	\$ 6,912,651	
<u>Demolition</u>					
Interior Electrical (E&B)	500	lf	\$ 67	\$ 33,313	w/ Above
<u>Service and Distribution (Normal Power)</u>					
<u>Service and Distribution (Generator)</u>					
500kW Diesel Generator w/ Sound Cover	1	ea	\$ 768,750	\$ 768,750	w/ Above
1200 ATS	2	ea			w/ Above
<u>Service / Distribution Feeders</u>					
<u>Grounding System</u>					
<u>Equipment Connections</u>					
<u>Lighting Controls</u>					
<u>Interior Lighting / Branch Wiring</u>					
<u>Branch Power</u>					
<u>Telecommunications - Infrastructure</u>					
<u>Audio Visual - Infrastructure</u>					
<u>Security System - Infrastructure</u>					
<u>Site Electrical Utilities</u>					
<u>Site Lighting</u>					
				<b>Total Electrical</b>	<b>\$ 7,714,714</b>
<b>27 10 00 - COMMUNICATIONS SYSTEMS</b>					
<u>Telecommunications</u>					
Devices and cabling	134,881		\$ 4	\$ 483,886	w/ Above
Audio / Video Sound Systems (Infrastructure & Power Only)					w/ Above
Audio / Video Sound Systems Per Classroom	47		\$ 12,300	\$ 578,100	
Audio / Video Sound Systems For Cafeteria and Gymnasium	1	ls	\$ 150,000	\$ 150,000	w/ Above
PA System (Infrastructure & Power Only)					w/ Above
PA System	134,881		\$ 1.50	\$ 202,322	
				<b>Total Communications</b>	<b>\$ 1,414,307</b>
<b>28 10 00 - FIRE ALARM</b>					
<u>Fire Alarm</u>					
Fire Alarm System - controls, devices & testing	134,881	sf	\$ 4	\$ 553,012	
				<b>Total Fire Alarm</b>	<b>\$ 553,012</b>
<b>28 20 00 - SECURITY SYSTEMS</b>					
<u>Security System</u>					
Access control & Intrusion Detection (Infrastructure & Power Only)	134,881	sf	\$ 7	\$ 967,771	
CCTV (Infrastructure & Power Only)					
Common Work Results					
				<b>Total Security</b>	<b>\$ 967,771</b>
<b>31 00 00 SITEWORK</b>					
<u>Mobilization / Site Layout</u>					
Mobilization / Demobilization	1	ls	\$ 25,000	\$ 25,000	
6' H Chain Link Fence Enclosure (put up & remove)	3,140	lf	\$ 31.00	\$ 97,340	
Scrim	3,140	lf	\$ 4.00	\$ 12,560	
Temp Double Gate	3	ea	\$ 2,000	\$ 6,000	
Temporary Fence Maintenance	36	mos	\$ 694.44	\$ 25,000	
Site Safety	1	ls	\$ 18,000	\$ 18,000	
General Dewatering (Localized Pumping Only)	1	ls	\$ 18,000	\$ 18,000	
Site Ground Maintenance cuts 23 x 3 = 69	69	ls	\$ 150.00	\$ 10,350	
Site Logistics	1	ls	\$ 15,000	\$ 15,000	
Survey & Layout	1	ls	\$ 50,000	\$ 50,000	
Phasing Coordination	2	ea	\$ 20,000	\$ 40,000	

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>Erosion Control</b>					
Haybales & Silt Fence at Site Perimeter	4,000	lf	\$ 13	\$ 52,000	
Haybales & Silt Fence at Loam Stockpile Area	800	lf	\$ 13	\$ 10,400	
Haybales & Silt Fence at Settling Basin	400	lf	\$ 13	\$ 5,200	
Tree Protection - Fencing A	10	ea	\$ 250	\$ 2,500	
Inlet Protection (Silt Sacks) at Roadway Catch Basins	10	ea	\$ 250	\$ 2,500	
Maintain Erosion Control		mos			
Site Sweeping, Dust & Traffic Control	10	ea	\$ 500	\$ 5,000	
Anti-track pads & maintenance	3	loc	\$ 4,500	\$ 13,500	
Concrete washout area	1	ls	\$ 3,500	\$ 3,500	
<b>General Sitework &amp; Removals</b>					
Clear & Grubb Site	294,400	sf	\$ 0.50	\$ 147,200	
Strip topsoil, stockpile (Assumed 12")	18,000	cy	\$ 3.00	\$ 54,000	
Screen top soil	9,200	cy	\$ 10.00	\$ 92,000	
Export tailings @ 20%	10,000	cy	\$ 6.00	\$ 60,000	
Demo Granite Curb					w/ Curbing
Demo Road paving - Including load and export	2,778	cyd			w/ Asphalt
Demo Sidewalks - Including load and export	350	cyd			w/ Sidewalks
Demo Fencing	600	lf	\$ 8.00	\$ 4,800	
<b>Earth Moving (Mass Earthwork)</b>					
<b>General Grading - for Parking, Roadway Areas &amp; Sidewalks</b>					
Cut to Fill	7,411	cy	\$ 5.00	\$ 37,055	
Cut to Waste - Stockpile	3,322	cy	\$ 12.00	\$ 39,864	
Rough Grade	312,000	sf	\$ 0.30	\$ 93,600	
Proof-roll					
Gravel Base (6") at Parking & Roadways	3,076	cy	\$ 55.00	\$ 169,180	
<b>Building Foundation &amp; Slab Excavation</b>					
Cut to Fill at Building Foundation walls footings	1,941	cy	\$ 45.00	\$ 87,345	
Cut to Waste at Building Foundation - Stockpile for Testing		cy			
Interior Pier & Pit Excavation & Backfill	300	cyd	\$ 45.00	\$ 13,500	
Structural Fill - Backfill foundations to slab subgrade (+20% compaction / 12" lifts)	1,600	cy	\$ 60.00	\$ 96,000	
Crushed Stone (12") below Footings, Piers & Pit (+20% compaction)	800	cy	\$ 70.00	\$ 56,000	
Structural Fill (12") below SOG (+20% compaction)	3,300	cy	\$ 60.00	\$ 198,000	
Crushed Stone (12") below SOG (+20% compaction)	3,300	cy	\$ 70.00	\$ 231,000	
Fine Grading for SOG	30,000	sf	\$ 0.40	\$ 12,000	
<b>Misc.</b>					
Haul Excess Material Offsite - Assumed Clean (75% of waste)	1,800	cy	\$ 12.00	\$ 21,600	
Contaminated Soils / Polluted Soils (25% of waste)	600	cy			w/ Contaminated Soils
Ledge/Bolder Removal Allowance	1	allow	\$ 18,000	\$ 18,000	
<b>Exterior Improvements</b>					
<b>Asphalt Paving mill &amp; overlay</b>					
Heavy Duty Bituminous @ Bus Access Drive 4.5"	68,900	sf	\$ 3.00	\$ 206,700	
Standard Duty Bituminous @ Parking Area (porous) 3.5"	26,620	sf	\$ 5.25	\$ 139,755	
Standard Duty Bituminous @ Walk Area 2 1/2" playground stamped	113,310	sf	\$ 4.75	\$ 538,223	
Line Striping	7,700	sf	\$ 25	\$ 192,500	
Tactile Warning Strips	1	ls	\$ 4,300	\$ 4,300	
	1	ls	\$ 12,000	\$ 12,000	
<b>Curbing</b>					
Concrete Curb	6,615	lf	\$ 50	\$ 330,750	w/ Sidewalk
Granite Curb	2,205	lf	\$ 75	\$ 165,375	
Wheel Stops	10	ea	\$ 250	\$ 2,500	
<b>Site Concrete</b>					
Concrete Sidewalks	15,000	sf	\$ 24	\$ 360,000	
Colored Concrete Walks (stamped) Bldgg	11,400	sf	\$ 45	\$ 513,000	
Cast-in Place Entry Stairs, Walls & Risers	40	cy	\$ 800	\$ 32,000	
Concrete Island Walk Across Drive stamped conc.	3,400	sf	\$ 50	\$ 170,000	
HD Concrete Apron	1,400	sf	\$ 18	\$ 25,200	
HD Concrete Dumpster Pad	500	sf	\$ 20	\$ 10,000	
Modular Concrete Retaining Wall (face feet)	650	sf	\$ 65	\$ 42,250	
<b>Unit Pavers</b>					
Brick Pavers	2,600	sf	\$ 35.00	\$ 91,000	w/ Sidewalk
<b>Courtyard Complete</b>					
Courtyard (all work)	1	ls	\$ 150,000	\$ 150,000	
<b>Athletic &amp; Recreational Surfaces</b>					
Synthetic Athletic Surfaces	49,500	sf	\$ 20	\$ 990,000	
Synthetic Playground Surfaces	7,700	sf	\$ 24	\$ 184,800	

ESTIMATE DETAIL	SCHEMATIC				134,881 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
<b>Rough Loam (assumed reuse)</b>					
Topsoil over Cut & Fill areas - 6" place	9,160	cyd	\$ 22	\$ 201,520	
Planting Soils & Mulch in Islands	1,300	cyd	\$ 28	\$ 36,400	
Seeding	40,000	sf	\$ 0.20	\$ 8,000	
<b>Landscaping</b>					
Groundcover - Pachysandra	300	ea	\$ 125	\$ 37,500	
Shrubs	280	ea	\$ 175	\$ 49,000	
Trees (medium)	175	ea	\$ 950	\$ 166,250	
<b>Site Specialties</b>					
Site Specialties	1	ls	\$ 175,000	\$ 175,000	
Bollards	40	ea	\$ 1,500	\$ 60,000	
Signage - Traffic & Directional	14	ls	\$ 450	\$ 6,300	
<b>Site Utilities</b>					
<b>Water Systems</b>					
Roadwork for Water tie-in Re-route	1,130	lf	\$ 125	\$ 141,250	
8x4" Reducing Tee and 4" Curb valve misc	1	ls	\$ 24,000	\$ 24,000	
Domestic Water Service (2") CU	220	lf	\$ 80	\$ 17,600	
Fire Service (8") DIP	220	lf	\$ 105	\$ 23,100	
<b>Sanitary Sewer (revised based on rev dwg's)</b>					
Cut New Manhole in Existing Sanitary Line - 16' depth	1	ea	\$ 12,000	\$ 12,000	
New Sanitary Manhole to 14' depth	3	ea	\$ 6,500	\$ 19,500	
New Sanitary Line (8" SDR 35 Pipe)	700	lf	\$ 81.00	\$ 56,700	
<b>Storm Drainage</b>					
Demo pipe penetration / plug pipe hole	1	ea	\$ 1,500	\$ 1,500	
CB - replace top CLCB set to grade		ea			
New Catch Basin 6-8' depth	8	ea	\$ 4,000	\$ 32,000	
DMH 6-8'	8	ea	\$ 4,500	\$ 36,000	
DMH 6-8' 24" Nyloplast basin with concrete collar	4	ea	\$ 3,500	\$ 14,000	
Yard Drain	5	ea	\$ 3,000	\$ 15,000	
Pipe 15" ADS	600	lf	\$ 70.00	\$ 42,000	
Pipe 12" ADS	700	lf	\$ 55.00	\$ 38,500	
Pipe 8" ADS	400	lf	\$ 45.00	\$ 18,000	
Pipe 8" ADS perforated underdrain	620	lf	\$ 95.00	\$ 58,900	
Footing Drain w/ 6" stone bedding & fabric wrapped	10	lf	\$ 400	\$ 4,000	
Cleanout	400	ea	\$ 30	\$ 12,000	
<b>Detention System 1 (16x80)</b>	1	ls	\$ 214,000	\$ 214,000	
<b>Gas</b>					
Trench & Backfill	720	lf	\$ 35	\$ 25,200	
<b>Site Electrical</b>					
Primary service T&B with bedding & Free pour concrete	600	lf	\$ 80	\$ 48,000	
Transformer pad and grounding	1	ls	\$ 4,500	\$ 4,500	
Secondary service T&B with bedding	45	lf	\$ 80	\$ 3,600	
Secondary Service (2) 4" PVC and pull strings (conductors in Electric)	1	ls	\$ 18,000	\$ 18,000	
Future EV Charging service T&B with bedding	200	lf	\$ 21.00	\$ 4,200	
Site Bases standard	45	ea	\$ 2,200	\$ 99,000	
Site Bases with 3' exposed above grade	8	ea	\$ 3,000	\$ 24,000	
Site Bases - Relocated city light poles	40	ea	\$ 1,400	\$ 56,000	
Site Bases - Lighted Bollards	15	ea	\$ 1,100	\$ 16,500	
Site Lighting - E/B with bedding (Conduit & Conductors in Electric)	4,820	lf	\$ 21.00	\$ 101,220	
				<b>Total Sitework, Landscaping &amp; Utilities</b>	<b>\$ 7,501,837</b>
<b>TOTAL COST MANAGEMENT</b>					<b>\$ (8,806,410)</b>
<b>TOTAL TRADE COST INCLUDING COST MANAGEMENT</b>					<b>\$ 68,063,460</b>