

Appendix

CONCEPT DESIGN
CONSTRUCTION COST
ESTIMATE

SECTION
3.1.8



**CONCEPT DESIGN
CONSTRUCTION COST**

Middle School Project

at

LEICESTER PUBLIC SCHOOLS

April 7, 2019

Fennessy Consulting Services

27 Glen Street, Suite 8, Stoughton, MA 02072

www.fennessyconsulting.com



April 7, 2019

Christopher Lane
Finegold Alexander Architects
77 North Washington Street
Boston, MA 02114

LEICESTER PUBLIC SCHOOLS - Middle School Project, Leicester. MA

Dear Christopher:

Please find enclosed our Construction Cost Estimate for the above referenced project based on Concept Design information prepared by your office and design team, received by this office on March 21, 2019.

	Const. Start	Gross Floor	\$/sf	Estimated Cost
Option 1 - Code Upgrades (Grades 6-8)	Jun-21	98,184	\$350.75	\$34,438,039
Option 2a - Add/Reno (Grade 5-8)	Jun-21	81,874	\$494.84	\$40,514,400
Option 2b - Add/Reno (Grade 5-8)	Jun-21	94,716	\$480.80	\$45,539,207
Option 2c - Add/Reno (Grade K-8)	Jun-21	139,024	\$446.97	\$62,139,329
Option 3 - "Track" New (Grade 5-8)	Jun-21	82,587	\$545.97	\$45,089,798
Option 4a - "Street" New (Grade 6-8)	Jun-21	62,638	\$618.49	\$38,740,811
Option 4b - "Street" New (Grade 5-8)	Jun-21	82,091	\$565.58	\$46,429,109
Option 4c - "Street" New (Grade K-8)	Jun-21	143,793	\$490.10	\$70,472,980
Option 5a - "Wings" New (Grade 6-8)	Jun-21	62,700	\$643.60	\$40,353,609
Option 5b - "Wings" New (Grade 5-8)	Jun-21	81,452	\$588.23	\$47,912,272
Option 5c - "Wings" New (Grade K-8)	Jun-21	142,121	\$494.14	\$70,228,254

Alternates

None considered at this time

This estimate includes all direct construction costs, general contractor's overhead and profit and design contingency. Cost escalation assumes start dates indicated above.

Excluded from the estimate are: construction contingency, hazardous waste removal, loose furnishings and equipment, architect's and engineer's fees, moving, administrative and financing costs.

Fennessy Consulting Services

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Bidding conditions are expected to reflect competitive bidding to pre-qualified general contractors, open bidding for sub-contractors, open specifications for materials and manufactures.

The estimate is based on prevailing rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

If you have any questions or require further analysis please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink that reads 'Seamus Fennessy'. The signature is written in a cursive style with a prominent 'S' and 'F'.

Seamus Fennessy MRICS
Principal/Owner

Enclosures

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Project:

This project in Leicester, Massachusetts comprises the feasibility study of a number of options to provide a "new" middle school. The options include renovation, addition and renovation; and new construction together with all associated site preparation and development.

The options under consideration range in size from 62,700 gsf to 148,500 gsf.

Construction Cost Estimate Prepared From	Dated	Received
Drawings and design outline issued for Concept design	03/21/19	03/21/19
Discussions with the Project Architect and Engineers		

Conditions of Construction

The pricing is based on the following general conditions of construction

- A start date of June 2021
- The general contract will be competitively bid to qualified general contractors and subcontractors
- There will not be small business set aside requirements
- The contractor will be required to pay prevailing wages
- There will be phasing requirements for any scheme that involves renovations to the existing building
- The general contractor will have full access to the site during normal business hours

The Cost Plan is based on the following conditions:

The costs in this report covers construction costs only calculated at current bidding price level (reflecting the current projected construction schedule) with a separate allowance for cost escalation.

Cost escalation is included to the mid point of the construction schedule. Unit rates in the body of the report include appropriate escalation allowances to deliver specific trades within the prescribed schedule if the project were to commence today.

Cost associated with additional escalation required for future start date are included as a below the line markup. This report has included this additional escalation to the scheduled start date of construction noted in this report.

Bidding Process - Market Conditions

This document is based on the measurement and pricing of quantities wherever information is provided and/or reasonable assumptions for other work not covered in the drawings or specifications, as stated within this document. Unit rates have been obtained from historical records and/or discussion with contractors. The unit rates reflect current bid costs in the area. All unit rates relevant to subcontractor work include the subcontractors overhead and profit unless otherwise stated. The mark-ups cover the costs of field overhead, home office overhead and profit and range from 15% to 25% of the cost for a particular item of work.

Pricing reflects probable construction costs obtainable in the project locality on the date of this statement of probable costs. This estimate is a determination of fair market value for the construction of this project. It is not a prediction of low bid. Pricing assumes competitive bidding for every portion of the construction work for all subcontractors and general contractors, with a minimum of 5 bidders for all items of work. Experience and research indicates that a fewer number of bidders may result in higher bids, conversely an increased number of bidders may result in more competitive bids.

The following cost items have been excluded from this report. Many of these will in fact be required and should be budgeted within the "Soft Cost" component of the project budget

- *Owner supplied and installed furniture, fixtures and equipment*
- *Loose furniture and equipment except as specifically identified*
- *Security equipment and devices*
- *Audio visual head end equipment*
- *Compression of schedule, premium or shift work, and restrictions on the contractor's working hours*
- *Design, testing, inspection or construction management fees*
- *Architectural and design fees*
- *Scope change and post contract contingencies*
- *Assessments, taxes, finance, legal and development charges*
- *Environmental impact mitigation*
- *Builder's risk, project wrap-up and other owner provided insurance program*
- *Land and easement acquisition*
- *Cost escalation beyond a start date of June 2021*

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Summary

	Trade Costs	sf	\$/sf
Option 1 - Code Upgrades (Grades 6-8)	\$34,438,039	98,184	\$350.75
1.1 - Renovations	\$21,317,606	98,184	\$217.12
1.2 - Site Work	\$311,610		
1.3 - Hazmat	\$1,080,024	98,184	\$11.00
1.4 - Markups	\$3,459,890	98,184	\$35.24
1.5 - Design Contingency	\$4,828,205	98,184	\$49.18
1.6 - Escalation	\$3,440,704	98,184	\$35.04
Option 2a - Add/Reno (Grade 5-8)	\$40,514,400	81,874	\$494.84
2a.1 - Renovation	\$6,096,357	24,757	\$246.25
2a.2 - New Construction	\$17,167,188	57,117	\$300.56
2a.3 - Site Work	\$4,124,491		
2a.4 - Building Demolition	\$895,956	73,427	\$12.20
2a.5 - Hazmat	\$1,178,208	98,184	\$12.00
2a.6 - Markups	\$3,976,908	81,874	\$48.57
2a.7 - Design Contingency	\$3,636,586	81,874	\$44.42
2a.8 - Escalation	\$3,438,706	81,874	\$42.00
Option 2b - Add/Reno (Grade 5-8)	\$45,539,207	94,716	\$480.80
2b.1 - Renovation	\$6,096,357	24,757	\$246.25
2b.2 - New Construction	\$20,683,999	69,959	\$295.66
2b.3 - Site Work	\$4,124,491		
2b.4 - Building Demolition	\$898,746	73,427	\$12.24
2b.5 - Hazmat	\$1,178,208	98,184	\$12.00
2b.6 - Markups	\$4,449,168	94,716	\$46.97
2b.7 - Design Contingency	\$4,167,503	94,716	\$44.00
2b.8 - Escalation	\$3,940,735	94,716	\$41.61
Option 2c - Add/Reno (Grade K-8)	\$62,139,329	139,024	\$446.97
2c.1 - Renovation	\$6,332,815	24,757	\$255.80
2c.2 - New Construction	\$32,217,688	114,267	\$281.95
2c.3 - Site Work	\$4,124,491		
2c.4 - Building Demolition	\$898,746	73,427	\$12.24
2c.5 - Hazmat	\$1,178,208	98,184	\$12.00
2c.6 - Markups	\$5,915,276	139,024	\$42.55
2c.7 - Design Contingency	\$5,896,477	139,024	\$42.41
2c.8 - Escalation	\$5,575,628	139,024	\$40.11
Option 3 - "Track" New (Grade 5-8)	\$45,089,798	82,587	\$545.97
3.1 - New Construction	\$24,113,402	82,587	\$291.98
3.2 - Site Work	\$4,843,923		
3.3 - Building Demolition	\$1,201,772	98,184	\$12.24
3.4 - Hazmat	\$1,276,392	98,184	\$13.00
3.5 - Markups	\$4,385,232	82,587	\$53.10
3.6 - Design Contingency	\$4,764,156	82,587	\$57.69
3.7 - Escalation	\$4,504,921	82,587	\$54.55

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Summary

	Trade Costs	sf	\$/sf
Option 4a - "Street" New (Grade 6-8)	\$38,740,811	62,638	\$618.49
4a.1 - New Construction	\$20,276,544	62,638	\$323.71
4a.2 - Site Work	\$4,080,172		
4a.3 - Demolition	\$1,001,477	98,184	\$10.20
4a.4 - Hazmat	\$1,276,392	98,184	\$13.00
4a.5 - Markups	\$4,142,306	62,638	\$66.13
4a.6 - Design Contingency	\$4,093,326	62,638	\$65.35
4a.7 - Escalation	\$3,870,594	62,638	\$61.79
Option 4b - "Street" New (Grade 5-8)	\$46,429,109	82,091	\$565.58
4b.1 - New Construction	\$25,810,193	82,091	\$314.41
4b.2 - Site Work	\$4,080,172		
4b.3 - Demolition	\$1,001,477	98,184	\$10.20
4b.4 - Hazmat	\$1,276,392	98,184	\$13.00
4b.5 - Markups	\$4,716,477	82,091	\$57.45
4b.6 - Design Contingency	\$4,905,666	82,091	\$59.76
4b.7 - Escalation	\$4,638,732	82,091	\$56.51
Option 4c - "Street" New (Grade K-8)	\$70,472,980	143,793	\$490.10
4c.1 - New Construction	\$43,145,820	143,793	\$300.06
4c.2 - Site Work	\$4,085,765		
4c.3 - Demolition	\$1,001,477	98,184	\$10.20
4c.4 - Hazmat	\$1,276,392	98,184	\$13.00
4c.5 - Markups	\$6,476,446	143,793	\$45.04
4c.6 - Design Contingency	\$7,446,125	143,793	\$51.78
4c.7 - Escalation	\$7,040,955	143,793	\$48.97
Option 5a - "Wings" New (Grade 6-8)	\$40,353,609	62,700	\$643.60
5a.1 - New Construction	\$20,799,077	62,700	\$331.72
5a.2 - Site Work	\$4,777,185		
5a.3 - Demolition	\$1,001,477	98,184	\$10.20
5a.4 - Hazmat	\$1,276,392	98,184	\$13.00
5a.5 - Markups	\$4,204,015	62,700	\$67.05
5a.6 - Design Contingency	\$4,263,734	62,700	\$68.00
5a.7 - Escalation	\$4,031,729	62,700	\$64.30
Option 5b - "Wings" New (Grade 5-8)	\$47,912,272	81,452	\$588.23
5b.1 - New Construction	\$26,234,701	81,452	\$322.09
5b.2 - Site Work	\$4,777,185		
5b.3 - Demolition	\$1,001,477	98,184	\$10.20
5b.4 - Hazmat	\$1,276,392	98,184	\$13.00
5b.5 - Markups	\$4,773,226	81,452	\$58.60
5b.6 - Design Contingency	\$5,062,376	81,452	\$62.15
5b.7 - Escalation	\$4,786,915	81,452	\$58.77

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Summary

	Trade Costs	sf	\$/sf
Option 5c - "Wings" New (Grade K-8)	\$70,228,254	142,121	\$494.14
5c.1 - New Construction	\$42,269,391	142,121	\$297.42
5c.2 - Site Work	\$4,777,140		
5c.3 - Demolition	\$1,001,477	98,184	\$10.20
5c.4 - Hazmat	\$1,276,392	98,184	\$13.00
5c.5 - Markups	\$6,467,083	142,121	\$45.50
5c.6 - Design Contingency	\$7,420,267	142,121	\$52.21
5c.7 - Escalation	\$7,016,504	142,121	\$49.37

	Option 1 - Code Upgrades (Grades 6-8)	Option 2a - Add/Reno (Grade 5-8)	Option 2b - Add/Reno (Grade 5-8)	Option 2c - Add/Reno (Grade K-8)	Option 3 - "Track" New (Grade 5-8)	Option 4a - "Street" New (Grade 6-8)	Option 4b - "Street" New (Grade 5-8)	Option 4c - "Street" New (Grade K-8)	Option 5a - "Wings" New (Grade 6-8)	Option 5b - "Wings" New (Grade 5-8)	Option 5c - "Wings" New (Grade K-8)
A10 FOUNDATIONS	\$97,800	\$957,016	\$1,116,756	\$1,608,264	\$2,277,988	\$1,586,076	\$1,482,719	\$2,384,752	\$1,684,422	\$1,767,733	\$2,366,700
A20 BASEMENT CONSTRUCTION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B10 SUPERSTRUCTURE	\$254,474	\$2,334,460	\$2,837,142	\$4,632,162	\$3,290,560	\$2,318,144	\$3,305,647	\$5,750,155	\$2,279,940	\$3,262,839	\$5,658,126
B20 EXTERIOR CLOSURE	\$2,435,061	\$3,381,250	\$3,811,569	\$5,020,877	\$2,648,023	\$3,274,272	\$4,352,491	\$6,652,668	\$3,740,833	\$4,491,461	\$6,354,525
B30 ROOFING	\$2,702,550	\$1,557,175	\$1,756,175	\$2,284,875	\$1,622,450	\$1,658,450	\$1,454,775	\$2,528,850	\$1,685,500	\$1,771,025	\$2,446,850
C10 INTERIOR CONSTRUCTION	\$1,640,848	\$2,974,568	\$3,458,762	\$5,026,968	\$2,536,059	\$2,524,416	\$3,393,137	\$5,365,476	\$2,457,200	\$3,037,064	\$5,220,297
C20 STAIRCASES	\$0	\$98,000	\$0	\$98,000	\$0	\$55,000	\$80,000	\$155,000	\$5,000	\$111,000	\$155,000
C30 FINISHES	\$2,454,600	\$2,046,850	\$2,367,900	\$3,475,600	\$2,064,675	\$1,565,950	\$2,052,275	\$3,594,825	\$1,567,500	\$2,036,300	\$3,553,025
D10 CONVEYING SYSTEMS	\$0	\$240,000	\$240,000	\$240,000	\$120,000	\$0	\$120,000	\$240,000	\$0	\$240,000	\$240,000
D20 PLUMBING	\$1,350,030	\$1,125,768	\$1,302,345	\$1,911,580	\$1,135,571	\$861,273	\$1,128,751	\$1,977,154	\$862,125	\$1,119,965	\$1,954,164
D30 HVAC	\$4,614,648	\$3,438,708	\$3,978,072	\$5,839,008	\$3,468,654	\$2,630,796	\$3,447,822	\$6,039,306	\$2,633,400	\$3,420,984	\$5,969,082
D40 FIRE PROTECTION	\$589,104	\$409,370	\$473,580	\$695,120	\$412,935	\$313,190	\$410,455	\$718,965	\$313,500	\$407,260	\$710,605
D50 ELECTRICAL	\$2,454,600	\$2,701,842	\$3,125,628	\$4,587,792	\$2,725,371	\$2,067,054	\$2,709,003	\$4,745,169	\$2,069,100	\$2,687,916	\$4,689,993
E10 EQUIPMENT	\$461,465	\$471,000	\$498,000	\$694,000	\$425,000	\$407,000	\$501,000	\$697,000	\$407,000	\$501,000	\$697,000
E20 FURNISHINGS	\$976,931	\$837,816	\$957,748	\$1,359,900	\$802,324	\$667,344	\$866,036	\$1,450,504	\$685,732	\$865,748	\$1,425,212
F10 SPECIAL CONSTRUCTION	\$417,992	\$456,148	\$525,105	\$755,892	\$472,812	\$397,579	\$506,082	\$845,996	\$407,825	\$514,406	\$828,812
F20 SELECTIVE BUILDING DEMOLITION	\$867,503	\$233,574	\$233,574	\$320,465	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Building Construction	\$21,317,606	\$23,263,545	\$26,780,356	\$38,550,503	\$24,113,402	\$20,276,544	\$25,810,193	\$43,145,820	\$20,799,077	\$26,234,701	\$42,269,391
Demolition	\$0	\$895,956	\$898,746	\$898,746	\$1,201,772	\$1,001,477	\$1,001,477	\$1,001,477	\$1,001,477	\$1,001,477	\$1,001,477
Hazardous materials	\$1,080,024	\$1,178,208	\$1,178,208	\$1,178,208	\$1,276,392	\$1,276,392	\$1,276,392	\$1,276,392	\$1,276,392	\$1,276,392	\$1,276,392
G10 SITE PREPARATION	\$0	\$491,194	\$491,194	\$491,194	\$440,269	\$491,194	\$491,194	\$491,194	\$794,817	\$794,817	\$794,817
G20 SITE IMPROVEMENTS	\$245,500	\$2,659,625	\$2,659,625	\$3,415,875	\$3,415,875	\$2,616,175	\$2,616,175	\$2,621,658	\$2,995,898	\$2,995,898	\$2,995,898
G30 SITE MECHANICAL UTILITIES	\$60,000	\$692,800	\$692,800	\$692,800	\$692,800	\$692,800	\$692,800	\$692,800	\$692,800	\$692,800	\$692,800
G40 SITE ELECTRICAL	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
G90 OTHER SITE CONSTRUCTION	\$6,110	\$80,872	\$80,872	\$80,872	\$94,979	\$80,003	\$80,003	\$80,113	\$93,670	\$93,670	\$93,669
Total Site Construction	\$1,391,634	\$6,198,655	\$6,201,445	\$6,201,445	\$7,322,087	\$6,358,041	\$6,358,041	\$6,363,634	\$7,055,054	\$7,055,054	\$7,055,009
TOTAL BUILDING & SITE	\$22,709,240	\$29,462,200	\$32,981,801	\$44,751,948	\$31,435,489	\$26,634,585	\$32,168,234	\$49,509,454	\$27,854,131	\$33,289,755	\$49,324,400
MARKUPS	\$3,459,890	\$3,976,908	\$4,449,168	\$5,915,276	\$4,385,232	\$4,142,306	\$4,716,477	\$6,476,446	\$4,204,015	\$4,773,226	\$6,467,083
General conditions and project requirements	\$1,960,000	\$2,660,000	\$2,940,000	\$3,780,000	\$2,660,000	\$2,660,000	\$2,940,000	\$3,780,000	\$2,660,000	\$2,940,000	\$3,780,000
Bond and insurance	\$493,385	\$520,517	\$596,509	\$843,983	\$681,910	\$585,892	\$702,165	\$1,065,789	\$610,283	\$724,595	\$1,062,088
Building permit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General contractor's head office overhead and profit	\$1,006,505	\$796,391	\$912,659	\$1,291,293	\$1,043,322	\$896,414	\$1,074,312	\$1,630,657	\$933,732	\$1,108,631	\$1,624,995
PLANNED CONSTRUCTION COST	\$26,169,130	\$33,439,108	\$37,430,969	\$50,667,224	\$35,820,721	\$30,776,891	\$36,884,711	\$55,985,900	\$32,058,146	\$38,062,981	\$55,791,483
CONTINGENCIES/ESCALATION	\$8,268,909	\$7,075,292	\$8,108,238	\$11,472,105	\$9,269,077	\$7,963,920	\$9,544,398	\$14,487,080	\$8,295,463	\$9,849,291	\$14,436,771
Design and pricing contingency	\$3,925,370	\$2,734,275	\$3,133,461	\$4,433,441	\$3,582,072	\$4,093,326	\$3,688,471	\$5,598,590	\$3,205,815	\$3,806,298	\$5,579,148
Gmp contingency	\$902,835	\$902,311	\$1,034,042	\$1,463,036	\$1,182,084	\$0	\$1,217,195	\$1,847,535	\$1,057,919	\$1,256,078	\$1,841,119
Escalation to start date (June 2021)	\$3,440,704	\$3,438,706	\$3,940,735	\$5,575,628	\$4,504,921	\$3,870,594	\$4,638,732	\$7,040,955	\$4,031,729	\$4,786,915	\$7,016,504
ESTIMATED CONTRACT AWARD	\$34,438,039	\$40,514,400	\$45,539,207	\$62,139,329	\$45,089,796	\$38,740,811	\$46,429,109	\$70,472,980	\$40,353,609	\$47,912,272	\$70,228,254
GFA	98,184	81,874	94,716	139,024	82,587	62,638	82,091	143,793	62,700	81,452	142,121
\$/sf	\$350.75	\$494.84	\$480.80	\$446.97	\$545.97	\$618.49	\$565.58	\$490.10	\$643.60	\$588.23	\$494.14

Option 1 - Code Upgrades (Grades 6-8)

	Quantity	Unit	Rate	Total
<u>1.1 - RENOVATIONS</u>				
Trade Costs				
Slab on grade				
Slab on grade trenching	3,000	SF	25.00	75,000
Rebuild existing ramps	4	LOC	5,700.00	22,800
Floor construction				
Stage accessibility				
Ramp at cafetorium stage	1	LS	18,832.00	18,832
Roof construction				
Miscellaneous penetrations infill and patching	98,184	SF	0.40	39,274
Seismic bracing to existing masonry walls, including removal of all systems to facilitate construction and re-install	98,184	SF GFA	2.00	196,368
Exterior walls				
Interior backup - new thermal and air barrier	29,773	SF	14.50	431,709
Repointing of brick veneer assume 50% (Includes crack repair)	14,886	SF	20.00	297,720
Crack repairs	5,955	SF	50.00	297,750
Windows				
Replacement	12,759	SF	98.00	1,250,382
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	11	LVLS	2,500.00	27,500
Aluminum doors	25	LVLS	4,000.00	100,000
Overhead door	2	EA	5,000.00	10,000
Door operators	4	EA	5,000.00	20,000
Roofing				
TPO roof membrane	108,002	SF	25.00	2,700,050
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Interior construction				
Partitions				
New	7,000	SF	25.00	175,000
Patch	1	LS	75,000.00	75,000
Doors				
New	223	LVS	3,000.00	669,000
Door operators	4	EA	6,000.00	24,000
Specialties				
Complete	98,184	SF GFA	7.00	687,288
Rails at interior ramps	4	LOC	2,640.00	10,560
Interior finishes				
New finishes throughout	98,184	SF GFA	25.00	2,454,600
MEP				
Plumbing, complete	98,184	SF GFA	13.75	1,350,030
Hvac	98,184	SF GFA	47.00	4,614,648
Fire protection system	98,184	SF	6.00	589,104
Electrical system	98,184	SF GFA	25.00	2,454,600

Option 1 - Code Upgrades (Grades 6-8)

	Quantity	Unit	Rate	Total
Equipment				
Allowance	98,184	SF	4.70	461,465
Furnishings and casework				
Complete	98,184	SF GFA	9.95	976,931
Selective demolition				
Interior demolition	98,184	SF GFA	5.50	540,012
Roofing demolition	98,184	SF	2.00	196,368
Remove windows	12,759	SF	6.75	86,123
Slab on grade	3,000	SF	15.00	45,000
Chapter 149A cost premiums				
Allowance	2%		20,899,614	417,992
Subtotal				\$21,317,606

1.2 - SITE WORK**Trade Costs**

Building access ramps				
Building perimeter	3	EA	35,000.00	105,000
Courtyard	9	EA	4,500.00	40,500
Field accessibility				
Park an playing field accessible walkways	1	LS	50,000.00	50,000
Parking lots				
Parking lot repairs	1	LS	30,000.00	30,000
Plantings				
Restoration and improvements	1	LS	20,000.00	20,000
Utility upgrades				
Allowance	1	LS	60,000.00	60,000
Chapter 149A cost premiums				
Allowance	2%		305,500	6,110
Subtotal				\$311,610

1.3 - HAZMAT**Trade Costs**

Code upgrades				
Haz mat associated with code upgrades	98,184	SF	11.00	1,080,024
Subtotal				\$1,080,024

Option 1 - Code Upgrades (Grades 6-8)

	Quantity	Unit	Rate	Total
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1.4 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements, including

Chapter 149a premiums

14	MTH	140,000	1,960,000
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Insurances

2%		24,669,240	493,385
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Building permit

Waived

Overhead and profit

4%		25,162,625	1,006,505
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Subtotal			\$3,459,890
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1.5 - DESIGN CONTINGENCY

Design Contingency

Contingencies

Design contingency

15%		26,169,130	3,925,370
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GMP contingency (Chapter 149A)

3%		30,094,500	902,835
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Subtotal			\$4,828,205
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1.6 - ESCALATION

Escalation

Construction cost escalation

Construction start 24 months from today's date

11.1%		30,997,335	3,440,704
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Subtotal			\$3,440,704
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ESTIMATED CONTRACT AWARD - OPTION 1.1

\$34,438,039

	Quantity	Unit	Rate	Total
<u>2A.1 - RENOVATION</u>				
Trade Costs				
Foundations				
New strip footings where portion of building removed	253	LF	320.00	80,960
Underpinning existing column footings where portion of building removed	5	LOC	3,501.85	17,509
Slab on grade				
Standard slab on grade patching after demolition	24,757	SF	1.00	24,757
Slab on grade trenching	2,000	SF	25.00	50,000
Patching at new foundation walls	1,265	SF	14.00	17,710
Roof construction				
Miscellaneous penetrations infill and patching	24,757	SF	1.00	24,757
Exterior walls				
Interior backup - new thermal and air barrier	5,860	SF	14.00	82,040
Exterior skin - brick repointing and masonry repair	2,930	SF	20.00	58,600
Crack repairs	1,172	SF	50.00	58,600
Exterior skin - combination, including backup at wall infill	2,745	SF	88.00	241,560
Windows				
Replacement	3,688	SF	98.00	361,424
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	9	LVLS	2,500.00	22,500
Aluminum doors	2	LVLS	4,000.00	8,000
Overhead door	1	EA	5,000.00	5,000
Door operators	1	EA	5,000.00	5,000
Roofing				
TPO roof membrane	24,757	SF	25.00	618,925
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Interior construction				
Partitions				
New	4,956	SF	25.00	123,900
Doors				
New	56	LVS	2,500.00	140,000
Specialties				
Complete	24,757	SF GFA	7.00	173,299
Interior finishes				
New finishes throughout	24,757	SF GFA	25.00	618,925
MEP				
Plumbing, complete	24,757	SF GFA	13.75	340,409
Hvac	24,757	SF GFA	42.00	1,039,794
Fire protection system	24,757	SF	5.00	123,785
Electrical system	24,757	SF GFA	33.00	816,981
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 2a - Add/Reno (Grade 5-8)

	Quantity	Unit	Rate	Total
Kitchen equipment	1	LS	280,000.00	280,000
Audiovisual	3	LS	3,000.00	9,000
<i>Furnishings and casework</i>				
Complete	24,757	SF GFA	8.00	198,056
Window treatments	3,688	SF	12.00	44,256
Bleacher seating	200	EA	150.00	30,000
<i>Selective demolition</i>				
Interior demolition	24,757	SF GFA	7.50	116,787
Roofing demolition	24,757	SF	2.50	61,893
Remove windows	3,688	SF	6.75	24,894
Slab on grade	2,000	SF	15.00	30,000
<i>Chapter 149A cost premiums</i>				
Allowance	2%		5,976,821	119,536
Subtotal				\$6,096,357

2A.2 - NEW CONSTRUCTION

Trade Costs

Foundations

Strip footings at exterior, including foundation wall	780	LF	320.00	249,600
Column footings at exterior, including piers/pilasters	27	EA	2,800.00	75,600
Column footings at interior, including piers	30	EA	2,600.00	78,000

Slab on grade

Slab on grade	29,830	SF	11.00	328,130
Elevator pit	2	EA	14,000.00	28,000
Equipment pads	250	SF	27.00	6,750

Floor construction

Steel construction, including metal decking	27,287	SF	35.00	955,045
Concrete topping to floors	27,287	SF	7.25	197,831
<i>Miscellaneous</i>				
Fireproofing and fire stopping	27,287	SF	2.20	60,031
Equipment pads	250	SF	27.00	6,750

Roof construction

Steel construction, including metal decking	30,130	SF	34.00	1,024,420
<i>Miscellaneous</i>				
Fireproofing	29,830	SF	2.20	65,626

Exterior walls

Exterior skin - combination, including backup	19,167	SF	88.00	1,686,696
Soffits @ building overhang	300	SF	55.00	16,500

Windows

Aluminum windows and glazing	8,214	SF	95.00	780,330
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Exterior doors

Hollow metal doors or wood doors, frame and hardware	2	LVLS	2,500.00	5,000
Aluminum doors	10	LVLS	4,000.00	40,000
Door operators	2	EA	5,000.00	10,000

Roofing

Flat	30,130	SF	25.00	753,250
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April 7, 2019

Option 2a - Add/Reno (Grade 5-8)

	Quantity	Unit	Rate	Total
<i>Roof openings</i>				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	1,000	SF	180.00	180,000
<i>Interior construction</i>				
Partitions, drywall, masonry and glass	50,694	SF	25.00	1,267,350
Premium for ballistic partitions	1	LS	75,000.00	75,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	216	LF	450.00	97,200
<i>Interior doors</i>				
Metal or wood	130	LVLS	3,000.00	390,000
Aluminum doors	6	LVLS	4,500.00	27,000
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000
<i>Specialties</i>				
Complete	57,117	SF GFA	7.00	399,819
<i>Staircases</i>				
Egress/Internal circulation staircases	3	FLT	25,000.00	75,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
<i>Stair finishes</i>				
Egress staircases	3	FLT	6,000.00	18,000
<i>Interior finishes</i>				
New finishes throughout	57,117	SF GFA	25.00	1,427,925
<i>Conveying</i>				
Passenger elevators	4	STPS	60,000.00	240,000
<i>MEP systems</i>				
Plumbing, complete	57,117	SF GFA	13.75	785,359
Hvac	57,117	SF GFA	42.00	2,398,914
Fire protection system	57,117	SF GFA	5.00	285,585
Electrical system	57,117	SF GFA	33.00	1,884,861
<i>Equipment</i>				
Audiovisual	19	LS	3,000.00	57,000
<i>Furnishings and casework</i>				
Casework	57,117	SF GFA	8.00	456,936
Entrance mats	200	SF	50.00	10,000
Window treatments	8,214	SF	12.00	98,568
<i>Chapter 149A cost premiums</i>				
Allowance	2%		16,830,576	336,612
Subtotal				\$17,167,188

2A.3 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

Site set up, clearance and demolition

492,225	SF	0.70	344,558
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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 2a - Add/Reno (Grade 5-8)

	Quantity	Unit	Rate	Total
Earthwork				
Cut to fill	13,673	CY	7.00	95,711
Additional earthwork at track extension	2,037	CY	25.00	50,925
Paving				
Roadways	102,500	SF	7.00	717,500
Walkways, terraces	26,000	SF	10.00	260,000
Site development				
Walls, fences, fixed furnishings	267,125	SF	0.80	213,700
Landscaping soils and plantings	267,125	SF	1.00	267,125
Play area				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
Ball fields and the like				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	7,400	SF	5.50	40,700
Tennis courts	41,200	SF	5.50	226,600
Utilities				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,043,619	80,872
Subtotal				\$4,124,491

2A.4 - BUILDING DEMOLITION

Trade Costs

Building demolition

Partial removal of existing building	73,199	SF	12.00	878,388
Chapter 149A cost premiums				
Allowance	2%		878,388	17,568
Subtotal				\$895,956

2A.5 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	12.00	1,178,208
Subtotal				\$1,178,208

	Quantity	Unit	Rate	Total
<u>2A.6 - MARKUPS</u>				
Markups				
General conditions, overhead and profit				
General conditions and project requirements, including				
Chapter 149a premiums	19	MTH	140,000	2,660,000
Bonds and insurances	2%		26,025,843	520,517
Building permit		Waived		
Overhead and profit	3%		26,546,360	796,391
Subtotal				\$3,976,908
<u>2A.7 - DESIGN CONTINGENCY</u>				
Design Contingency				
Contingencies				
Design contingency	10%		27,342,751	2,734,275
GMP contingency	3%		30,077,026	902,311
Subtotal				\$3,636,586
<u>2A.8 - ESCALATION</u>				
Escalation				
Construction cost escalation				
All construction	11.1%		30,979,337	3,438,706
Subtotal				\$3,438,706
ESTIMATED CONTRACT AWARD - OPTION 2a				\$40,514,400

	Quantity	Unit	Rate	Total
<u>2B.1 - RENOVATION</u>				
Trade Costs				
<i>Foundations</i>				
New strip footings where portion of building removed	253	LF	320.00	80,960
Underpinning existing column footings where portion of building removed	5	LOC	3,501.85	17,509
<i>Slab on grade</i>				
Standard slab on grade patching after demolition	24,757	SF	1.00	24,757
Slab on grade trenching	2,000	SF	25.00	50,000
Patching at new foundation walls	1,265	SF	14.00	17,710
<i>Roof construction</i>				
Miscellaneous penetrations infill and patching	24,757	SF	1.00	24,757
<i>Exterior walls</i>				
Interior backup - new thermal and air barrier	5,860	SF	14.00	82,040
Exterior skin - brick repointing and masonry repair	2,930	SF	20.00	58,600
Crack repairs	1,172	SF	50.00	58,600
Exterior skin - combination, including backup at wall infill	2,745	SF	88.00	241,560
<i>Windows</i>				
Replacement	3,688	SF	98.00	361,424
<i>Exterior doors</i>				
Hollow metal doors or wood doors, frame and hardware	9	LVLS	2,500.00	22,500
Aluminum doors	2	LVLS	4,000.00	8,000
Overhead door	1	EA	5,000.00	5,000
Door operators	1	EA	5,000.00	5,000
<i>Roofing</i>				
TPO roof membrane	24,757	SF	25.00	618,925
<i>Roof openings</i>				
Roof hatch/ vents	1	LS	2,500.00	2,500
<i>Interior construction</i>				
<i>Partitions</i>				
New	4,956	SF	25.00	123,900
<i>Doors</i>				
New	56	LVS	2,500.00	140,000
<i>Specialties</i>				
Complete	24,757	SF GFA	7.00	173,299
<i>Interior finishes</i>				
New finishes throughout	24,757	SF GFA	25.00	618,925
<i>MEP</i>				
Plumbing, complete	24,757	SF GFA	13.75	340,409
Hvac	24,757	SF GFA	42.00	1,039,794
Fire protection system	24,757	SF	5.00	123,785
Electrical system	24,757	SF GFA	33.00	816,981

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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

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Option 2b - Add/Reno (Grade 5-8)

	Quantity	Unit	Rate	Total
<i>Equipment</i>				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	280,000.00	280,000
Audiovisual	3	LS	3,000.00	9,000
<i>Furnishings and casework</i>				
Complete	24,757	SF GFA	8.00	198,056
Window treatments	3,688	SF	12.00	44,256
Bleacher seating	200	EA	150.00	30,000
<i>Selective demolition</i>				
Interior demolition	24,757	SF GFA	7.50	116,787
Roofing demolition	24,757	SF	2.50	61,893
Remove windows	3,688	SF	6.75	24,894
Slab on grade	2,000	SF	15.00	30,000
<i>Chapter 149A cost premiums</i>				
Allowance	2%		5,976,821	119,536
Subtotal				\$6,096,357

2B.2 - NEW CONSTRUCTION

Trade Costs

Foundations

Strip footings at exterior, including foundation wall	944	LF	320.00	302,080
Column footings at exterior, including piers/pilasters	31	EA	2,800.00	86,800
Column footings at interior, including piers	32	EA	2,600.00	83,200

Slab on grade

Slab on grade	38,090	SF	11.00	418,990
Elevator pit	2	EA	14,000.00	28,000
Equipment pads	250	SF	27.00	6,750

Floor construction

Steel construction, including metal decking	31,869	SF	35.00	1,115,415
Concrete topping to floors	31,869	SF	7.25	231,050
<i>Miscellaneous</i>				
Fireproofing and fire stopping	31,869	SF	2.20	70,112
Equipment pads	250	SF	27.00	6,750

Roof construction

Steel construction, including metal decking	38,390	SF	34.00	1,305,260
<i>Miscellaneous</i>				
Fireproofing	38,090	SF	2.20	83,798

Exterior walls

Exterior skin - combination, including backup	22,510	SF	88.00	1,980,880
Soffits @ building overhang	300	SF	55.00	16,500

Windows

Aluminum windows and glazing	9,647	SF	95.00	916,465
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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 2b - Add/Reno (Grade 5-8)

	Quantity	Unit	Rate	Total
<i>Exterior doors</i>				
Hollow metal doors or wood doors, frame and hardware	2	LVLS	2,500.00	5,000
Aluminum doors	10	LVLS	4,000.00	40,000
Door operators	2	EA	5,000.00	10,000
<i>Roofing</i>				
Flat	38,090	SF	25.00	952,250
<i>Roof openings</i>				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	1,000	SF	180.00	180,000
<i>Interior construction</i>				
Partitions, drywall, masonry and glass	62,986	SF	25.00	1,574,650
Premium for ballistic partitions	1	LS	75,000.00	75,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	216	LF	450.00	97,200
<i>Interior doors</i>				
Metal or wood	159	LVLS	3,000.00	477,000
Aluminum doors	6	LVLS	4,500.00	27,000
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000
<i>Specialties</i>				
Complete	69,959	SF GFA	7.00	489,713
<i>Staircases</i>				
Egress/Internal circulation staircases	3	FLT	25,000.00	75,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
<i>Stair finishes</i>				
Egress staircases	3	FLT	6,000.00	18,000
<i>Interior finishes</i>				
New finishes throughout	69,959	SF GFA	25.00	1,748,975
<i>Conveying</i>				
Passenger elevators	4	STPS	60,000.00	240,000
<i>MEP systems</i>				
Plumbing, complete	69,959	SF GFA	13.75	961,936
Hvac	69,959	SF GFA	42.00	2,938,278
Fire protection system	69,959	SF GFA	5.00	349,795
Electrical system	69,959	SF GFA	33.00	2,308,647
<i>Equipment</i>				
Audiovisual	28	LS	3,000.00	84,000
<i>Furnishings and casework</i>				
Casework	69,959	SF GFA	8.00	559,672
Entrance mats	200	SF	50.00	10,000
Window treatments	9,647	SF	12.00	115,764
<i>Chapter 149A cost premiums</i>				
Allowance	2%		20,278,430	405,569
Subtotal				\$20,683,999

	Quantity	Unit	Rate	Total
<u>2B.3 - SITE WORK</u>				
Trade Costs				
Site preparation and development				
Site preparation				
Site set up, clearance and demolition	492,225	SF	0.70	344,558
Earthwork				
Cut to fill	13,673	CY	7.00	95,711
Additional earthwork at track extension	2,037	CY	25.00	50,925
Paving				
Roadways	102,500	SF	7.00	717,500
Walkways, terraces	26,000	SF	10.00	260,000
Site development				
Walls, fences, fixed furnishings	267,125	SF	0.80	213,700
Landscaping soils and plantings	267,125	SF	1.00	267,125
Play area				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
Ball fields and the like				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	7,400	SF	5.50	40,700
Tennis courts	41,200	SF	5.50	226,600
Utilities				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,043,619	80,872
Subtotal				\$4,124,491

2B.4 - BUILDING DEMOLITION**Trade Costs**

Building demolition

Partial removal of existing building	73,427	SF	12.00	881,124
Chapter 149A cost premiums				
Allowance	2%		881,124	17,622
Subtotal				\$898,746

	Quantity	Unit	Rate	Total
<u>2B.5 - HAZMAT</u>				
Trade Costs				
Selective demolition				
Hazardous materials abatement				
Remove hazardous building materials - allowance	98,184	SF	12.00	1,178,208
Subtotal				\$1,178,208
<u>2B.6 - MARKUPS</u>				
Markups				
General conditions, overhead and profit				
General conditions and project requirements, including				
Chapter 149a premiums	21	MTH	140,000	2,940,000
Bonds and insurances	2%		29,825,444	596,509
Building permit		Waived		
Overhead and profit	3%		30,421,953	912,659
Subtotal				\$4,449,168
<u>2B.7 - DESIGN CONTINGENCY</u>				
Design Contingency				
Contingencies				
Design contingency	10%		31,334,612	3,133,461
GMP contingency	3%		34,468,073	1,034,042
Subtotal				\$4,167,503
<u>2B.8 - ESCALATION</u>				
Escalation				
Construction cost escalation				
All construction	11.1%		35,502,115	3,940,735
Subtotal				\$3,940,735

ESTIMATED CONTRACT AWARD - OPTION 2b
\$45,539,207

	Quantity	Unit	Rate	Total
<u>2C.1 - RENOVATION</u>				
Trade Costs				
<i>Foundations</i>				
New strip footings where portion of building removed	253	LF	320.00	80,960
Underpinning existing column footings where portion of building removed	5	LOC	3,501.85	17,509
<i>Slab on grade</i>				
Standard slab on grade patching after demolition	24,757	SF	1.00	24,757
Slab on grade trenching	3,200	SF	25.00	80,000
Patching at new foundation walls	1,265	SF	14.00	17,710
<i>Roof construction</i>				
Miscellaneous penetrations infill and patching	24,757	SF	1.00	24,757
<i>Exterior walls</i>				
Interior backup - new thermal and air barrier	5,860	SF	14.50	84,970
Exterior skin - brick repointing and masonry repair	2,930	SF	20.00	58,600
Crack repairs	1,172	SF	50.00	58,600
Exterior skin - combination, including backup at wall infill	2,745	SF	88.00	241,560
<i>Windows</i>				
Replacement	3,688	SF	98.00	361,424
<i>Exterior doors</i>				
Hollow metal doors or wood doors, frame and hardware	9	LVLS	2,500.00	22,500
Aluminum doors	2	LVLS	4,000.00	8,000
Overhead door	1	EA	5,000.00	5,000
Door operators	1	EA	5,000.00	5,000
<i>Roofing</i>				
TPO roof membrane	24,757	SF	25.00	618,925
<i>Roof openings</i>				
Roof hatch/ vents	1	LS	2,500.00	2,500
<i>Interior construction</i>				
<i>Partitions</i>				
New	4,956	SF	25.00	123,900
<i>Doors</i>				
New	56	LVS	2,500.00	140,000
<i>Specialties</i>				
Complete	24,757	SF GFA	7.00	173,299
<i>Interior finishes</i>				
New finishes throughout	24,757	SF GFA	25.00	618,925
<i>MEP</i>				
Plumbing, complete	24,757	SF GFA	13.75	340,409
Hvac	24,757	SF GFA	42.00	1,039,794
Fire protection system	24,757	SF	5.00	123,785
Electrical system	24,757	SF GFA	33.00	816,981

	Quantity	Unit	Rate	Total
<i>Equipment</i>				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	392,000.00	392,000
Audiovisual	3	LS	3,000.00	9,000
<i>Furnishings and casework</i>				
Complete	24,757	SF GFA	8.00	198,056
Window treatments	3,688	SF	12.00	44,256
Bleacher seating	200	EA	150.00	30,000
<i>Selective demolition</i>				
Interior demolition	24,757	SF GFA	7.50	185,678
Roofing demolition	24,757	SF	2.50	61,893
Remove windows	3,688	SF	6.75	24,894
Slab on grade	3,200	SF	15.00	48,000
<i>Chapter 149A cost premiums</i>				
Allowance	2%		6,208,642	124,173
Subtotal				\$6,332,815

2C.2 - NEW CONSTRUCTION**Trade Costs***Foundations*

Strip footings at exterior, including foundation wall	1,383	LF	320.00	442,560
Column footings at exterior, including piers/pilasters	44	EA	2,800.00	123,200
Column footings at interior, including piers	52	EA	2,600.00	135,200

Slab on grade

Slab on grade	59,238	SF	11.00	651,618
Elevator pit	2	EA	14,000.00	28,000
Equipment pads	250	SF	27.00	6,750

Floor construction

Steel construction, including metal decking	55,029	SF	35.00	1,926,015
Concrete topping to floors	55,029	SF	7.25	398,960
<i>Miscellaneous</i>				
Fireproofing and fire stopping	55,029	SF	2.20	121,064
Equipment pads	250	SF	27.00	6,750

Roof construction

Steel construction, including metal decking	59,538	SF	34.00	2,024,292
<i>Miscellaneous</i>				
Fireproofing	59,238	SF	2.20	130,324

Exterior walls

Exterior skin - combination, including backup	31,781	SF	88.00	2,796,728
Soffits @ building overhang	300	SF	55.00	16,500

Windows

Aluminum windows and glazing	13,621	SF	95.00	1,293,995
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	Quantity	Unit	Rate	Total
<i>Exterior doors</i>				
Hollow metal doors or wood doors, frame and hardware	4	LVLS	2,500.00	10,000
Aluminum doors	12	LVLS	4,000.00	48,000
Door operators	2	EA	5,000.00	10,000
<i>Roofing</i>				
Flat	59,238	SF	25.00	1,480,950
<i>Roof openings</i>				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	1,000	SF	180.00	180,000
<i>Interior construction</i>				
Partitions, drywall, masonry and glass	100,828	SF	25.00	2,520,700
Premium for ballistic partitions	1	LS	75,000.00	75,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	216	LF	450.00	97,200
<i>Interior doors</i>				
Metal or wood	260	LVLS	3,000.00	780,000
Aluminum doors	8	LVLS	4,500.00	36,000
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000
<i>Specialties</i>				
Complete	114,267	SF GFA	7.00	799,869
<i>Staircases</i>				
Egress/Internal circulation staircases	3	FLT	25,000.00	75,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
<i>Stair finishes</i>				
Egress staircases	3	FLT	6,000.00	18,000
<i>Interior finishes</i>				
New finishes throughout	114,267	SF GFA	25.00	2,856,675
<i>Conveying</i>				
Passenger elevators	4	STPS	60,000.00	240,000
<i>MEP systems</i>				
Plumbing, complete	114,267	SF GFA	13.75	1,571,171
Hvac	114,267	SF GFA	42.00	4,799,214
Fire protection system	114,267	SF GFA	5.00	571,335
Electrical system	114,267	SF GFA	33.00	3,770,811
<i>Equipment</i>				
Audiovisual	56	LS	3,000.00	168,000
<i>Furnishings and casework</i>				
Casework	114,267	SF GFA	8.00	914,136
Entrance mats	200	SF	50.00	10,000
Window treatments	13,621	SF	12.00	163,452
<i>Chapter 149A cost premiums</i>				
Allowance	2%		31,585,969	631,719
Subtotal				\$32,217,688

	Quantity	Unit	Rate	Total
<u>2C.3 - SITE WORK</u>				
Trade Costs				
Site preparation and development				
Site preparation				
Site set up, clearance and demolition	492,225	SF	0.70	344,558
Earthwork				
Cut to fill	13,673	CY	7.00	95,711
Additional earthwork at track extension	2,037	CY	25.00	50,925
Paving				
Roadways	102,500	SF	7.00	717,500
Walkways, terraces	26,000	SF	10.00	260,000
Site development				
Walls, fences, fixed furnishings	267,125	SF	0.80	213,700
Landscaping soils and plantings	267,125	SF	1.00	267,125
Play area				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
Ball fields and the like				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	7,400	SF	5.50	40,700
Tennis courts	41,200	SF	5.50	226,600
Utilities				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,043,619	80,872
Subtotal				\$4,124,491

2C.4 - BUILDING DEMOLITION**Trade Costs**

Building demolition

Partial removal of existing building	73,427	SF	12.00	881,124
Chapter 149A cost premiums				
Allowance	2%		881,124	17,622
Subtotal				\$898,746

	Quantity	Unit	Rate	Total
<u>2C.5 - HAZMAT</u>				
Trade Costs				
Selective demolition				
Hazardous materials abatement				
Remove hazardous building materials - allowance	98,184	SF	12.00	1,178,208
Subtotal				\$1,178,208
<u>2C.6 - MARKUPS</u>				
Markups				
General conditions, overhead and profit				
General conditions and project requirements, including				
Chapter 149a premiums	27	MTH	140,000	3,780,000
Bonds and insurances	2%		42,199,133	843,983
Building permit		Waived		
Overhead and profit	3%		43,043,116	1,291,293
Subtotal				\$5,915,276
<u>2C.7 - DESIGN CONTINGENCY</u>				
Design Contingency				
Contingencies				
Design contingency	10%		44,334,409	4,433,441
GMP contingency	3%		48,767,850	1,463,036
Subtotal				\$5,896,477
<u>2C.8 - ESCALATION</u>				
Escalation				
Construction cost escalation				
All construction	11.1%		50,230,886	5,575,628
Subtotal				\$5,575,628
ESTIMATED CONTRACT AWARD - OPTION 2c				\$62,139,329

	Quantity	Unit	Rate	Total
<u>3.1 - NEW CONSTRUCTION</u>				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	876	LF	320.00	280,320
Strip footings at interior	347	LF	102.00	35,394
Strip footings at elevation changes, including wall	220	LF	320.00	70,400
Column footings at exterior, including piers/pilasters	30	EA	2,800.00	84,000
Column footings at interior, including piers	32	EA	2,600.00	83,200
Over excavation and removal of unsuitables at building location (assumed 8' deep)	16,558	CY	70.00	1,159,060
Slab on grade				
Slab on grade	50,804	SF	11.00	558,844
Equipment pads	250	SF	27.00	6,750
Floor construction				
Steel construction, including metal decking	31,783	SF	35.00	1,112,405
Concrete topping to floors	31,783	SF	7.25	230,427
Miscellaneous				
Fireproofing and fire stopping	31,783	SF	2.20	69,923
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	51,104	SF	34.00	1,737,536
Concrete topping to roof	3,000	SF	7.25	21,750
Miscellaneous				
Fireproofing	50,804	SF	2.20	111,769
Exterior walls				
Exterior skin - combination, including backup	19,761	SF	88.00	1,738,968
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	8,469	SF	95.00	804,555
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	6	LVLS	2,500.00	15,000
Aluminum doors	12	LVLS	4,000.00	48,000
Door operators	5	EA	5,000.00	25,000
Roofing				
Flat	62,638	SF	25.00	1,565,950
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	300	SF	180.00	54,000
Interior construction				
Partitions, drywall, masonry and glass	39,998	SF	25.00	999,950
Premium for ballistic partitions	1	LS	50,000.00	50,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	50	LF	450.00	22,500
Interior doors				
Metal or wood	188	LVLS	3,000.00	564,000
Aluminum doors	9	LVLS	4,500.00	40,500

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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

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Option 3 - "Track" New (Grade 5-8)

	Quantity	Unit	Rate	Total
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000
Specialties				
Complete	82,587	SF GFA	7.00	578,109
Staircases				
Feature staircase	1	FLT	35,000.00	35,000
Egress/Internal circulation staircases	2	FLT	25,000.00	50,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Stair finishes				
Feature staircases	1	FLT	9,000.00	9,000
Egress staircases	2	FLT	6,000.00	12,000
Interior finishes				
New finishes throughout	82,587	SF GFA	25.00	2,064,675
Conveying				
Passenger elevators	2	STPS	60,000.00	120,000
MEP systems				
Plumbing, complete	82,587	SF GFA	13.75	1,135,571
Hvac	82,587	SF GFA	42.00	3,468,654
Fire protection system	82,587	SF GFA	5.00	412,935
Electrical system	82,587	SF GFA	33.00	2,725,371
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	210,000.00	210,000
Audiovisual	30	LS	3,000.00	90,000
Furnishings and casework				
Casework	82,587	SF GFA	8.00	660,696
Entrance mats	200	SF	50.00	10,000
Window treatments	8,469	SF	12.00	101,628
Bleacher seating	200	EA	150.00	30,000
Chapter 149A cost premiums				
Allowance	2%		23,640,590	472,812
Subtotal				\$24,113,402

3.2 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

Site set up, clearance and demolition 492,225 SF 0.70 344,558

Earthwork

Cut to fill 13,673 CY 7.00 95,711

Paving

Roadways 102,500 SF 7.00 717,500

Walkways, terraces 26,000 SF 10.00 260,000

	Quantity	Unit	Rate	Total
<i>Site development</i>				
Walls, fences, fixed furnishings	267,125	SF	0.80	213,700
Landscaping soils and plantings	267,125	SF	1.00	267,125
<i>Play area</i>				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
<i>Ball fields and the like</i>				
Multi-purpose field	3	LS	100,000.00	300,000
Baseball field	1	LS	80,000.00	80,000
Track	1	LS	900,000.00	900,000
Basketball courts	4,100	SF	5.50	22,550
Tennis courts	22,000	SF	5.50	121,000
<i>Utilities</i>				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,748,944	94,979
Subtotal				\$4,843,923

3.3 - BUILDING DEMOLITION

Trade Costs

Building demolition

Removal of existing building	98,184	SF	12.00	1,178,208
Chapter 149A cost premiums				
Allowance	2%		1,178,208	23,564
Subtotal				\$1,201,772

3.4 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

	Quantity	Unit	Rate	Total
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3.5 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements, including

Chapter 149a premiums

19	MTH	140,000	2,660,000
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Bonds and insurances

2%		34,095,489	681,910
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Building permit

Waived

Overhead and profit

3%		34,777,399	1,043,322
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Subtotal			\$4,385,232
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3.6 - DESIGN CONTINGENCY

Design Contingency

Contingencies

Design contingency

10%		35,820,721	3,582,072
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GMP contingency

3%		39,402,793	1,182,084
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Subtotal			\$4,764,156
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3.7 - ESCALATION

Escalation

Construction cost escalation

All construction

11.1%		40,584,877	4,504,921
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Subtotal			\$4,504,921
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ESTIMATED CONTRACT AWARD - OPTION 3

\$45,089,798

	Quantity	Unit	Rate	Total
<u>4A.1 - NEW CONSTRUCTION</u>				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	1,703	LF	320.00	544,960
Strip footings at interior	174	LF	102.00	17,748
Strip footings at elevation changes, including wall	220	LF	320.00	70,400
Column footings at exterior, including piers/pilasters	51	EA	2,800.00	142,800
Column footings at interior, including piers	44	EA	2,600.00	114,400
Slab on grade				
Slab on grade	62,638	SF	11.00	689,018
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	62,938	SF	34.00	2,139,892
Concrete topping to roof	5,579	SF	7.25	40,448
Miscellaneous				
Fireproofing	62,638	SF	2.20	137,804
Exterior walls				
Exterior skin - combination, including backup	24,544	SF	88.00	2,159,872
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	10,520	SF	95.00	999,400
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	7	LVLS	2,500.00	17,500
Aluminum doors	14	LVLS	4,000.00	56,000
Door operators	5	EA	5,000.00	25,000
Roofing				
Flat	62,638	SF	25.00	1,565,950
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	500	SF	180.00	90,000
Interior construction				
Partitions, drywall, masonry and glass	50,638	SF	25.00	1,265,950
Premium for ballistic partitions	1	LS	50,000.00	50,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	50	LF	450.00	22,500
Interior doors				
Metal or wood	142	LVLS	3,000.00	426,000
Aluminum doors	9	LVLS	4,500.00	40,500
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000
Specialties				
Complete	62,638	SF GFA	7.00	438,466
Staircases				
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Interior finishes				
New finishes throughout	62,638	SF GFA	25.00	1,565,950

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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

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Option 4a - "Street" New (Grade 6-8)

	Quantity	Unit	Rate	Total
MEP systems				
Plumbing, complete	62,638	SF GFA	13.75	861,273
Hvac	62,638	SF GFA	42.00	2,630,796
Fire protection system	62,638	SF GFA	5.00	313,190
Electrical system	62,638	SF GFA	33.00	2,067,054
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	210,000.00	210,000
Audiovisual	24	LS	3,000.00	72,000
Furnishings and casework				
Casework	62,638	SF GFA	8.00	501,104
Entrance mats	200	SF	50.00	10,000
Window treatments	10,520	SF	12.00	126,240
Bleacher seating	200	EA	150.00	30,000
Chapter 149A cost premiums				
Allowance		2%	19,878,965	397,579
Subtotal				\$20,276,544

4A.2 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

Site set up, clearance and demolition	492,225	SF	0.70	344,558
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Earthwork

Cut to fill	13,673	CY	7.00	95,711
Additional earthwork at track extension	2,037	CY	25.00	50,925

Paving

Roadways	102,500	SF	7.00	717,500
Walkways, terraces	26,000	SF	10.00	260,000

Site development

Walls, fences, fixed furnishings	267,125	SF	0.80	213,700
Landscaping soils and plantings	267,125	SF	1.00	267,125

Play area

Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000

Ball fields and the like

Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	8,700	SF	5.50	47,850
Tennis courts	32,000	SF	5.50	176,000

Utilities

Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000



Option 4a - "Street" New (Grade 6-8)

	Quantity	Unit	Rate	Total
Chapter 149A cost premiums Allowance	2%		4,000,169	80,003
Subtotal				\$4,080,172

4A.3 - DEMOLITION

Trade Costs

<i>Building demolition</i>				
Remove part of existing building	98,184	SF	10.00	981,840
Chapter 149A cost premiums Allowance	2%		981,840	19,637
Subtotal				\$1,001,477

4A.4 - HAZMAT

Trade Costs

<i>Selective demolition</i>				
<i>Hazardous materials abatement</i>				
Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

4A.5 - MARKUPS

Markups

<i>General conditions, overhead and profit</i>				
<i>General conditions and project requirements, including</i>				
Chapter 149a premiums	19	MTH	140,000	2,660,000
Bonds and insurances	2%		29,294,585	585,892
Building permit		Waived		
Overhead and profit	3%		29,880,477	896,414
Subtotal				\$4,142,306

4A.6 - DESIGN CONTINGENCY

Design Contingency

<i>Contingencies</i>				
Design contingency	10%		30,776,891	3,077,689
GMP contingency	3%		33,854,580	1,015,637
Subtotal				\$4,093,326

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Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 4a - "Street" New (Grade 6-8)

	Quantity	Unit	Rate	Total
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4A.7 - ESCALATION

Escalation

Construction cost escalation

All construction

	11.1%		34,870,217	3,870,594
Subtotal				\$3,870,594

ESTIMATED CONTRACT AWARD - OPTION 4a

\$38,740,811

	Quantity	Unit	Rate	Total
<u>4B.1 - NEW CONSTRUCTION</u>				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	1,692	LF	320.00	541,440
Strip footings at interior	174	LF	102.00	17,748
Strip footings at elevation changes, including wall	220	LF	320.00	70,400
Column footings at exterior, including piers/pilasters	51	EA	2,800.00	142,800
Column footings at interior, including piers	39	EA	2,600.00	101,400
Slab on grade				
Slab on grade	53,471	SF	11.00	588,181
Elevator pit	1	EA	14,000.00	14,000
Equipment pads	250	SF	27.00	6,750
Floor construction				
Steel construction, including metal decking	28,620	SF	35.00	1,001,700
Concrete topping to floors	28,620	SF	7.25	207,495
Miscellaneous				
Fireproofing and fire stopping	28,620	SF	2.20	62,964
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	53,771	SF	34.00	1,828,214
Concrete topping to roof	11,157	SF	7.25	80,888
Miscellaneous				
Fireproofing	53,471	SF	2.20	117,636
Exterior walls				
Exterior skin - combination, including backup	32,922	SF	88.00	2,897,136
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	14,109	SF	95.00	1,340,355
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	7	LVLS	2,500.00	17,500
Aluminum doors	14	LVLS	4,000.00	56,000
Door operators	5	EA	5,000.00	25,000
Roofing				
Flat	53,771	SF	25.00	1,344,275
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	600	SF	180.00	108,000
Interior construction				
Partitions, drywall, masonry and glass	73,262	SF	25.00	1,831,550
Premium for ballistic partitions	1	LS	50,000.00	50,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	101	LF	450.00	45,450
Interior doors				
Metal or wood	187	LVLS	3,000.00	561,000
Aluminum doors	11	LVLS	4,500.00	49,500
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000

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Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 4b - "Street" New (Grade 5-8)

	Quantity	Unit	Rate	Total
Specialties				
Complete	82,091	SF GFA	7.00	574,637
Staircases				
Feature staircase	1	FLT	35,000.00	35,000
Egress/Internal circulation staircases	1	FLT	25,000.00	25,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Stair finishes				
Feature staircases	1	FLT	9,000.00	9,000
Egress staircases	1	FLT	6,000.00	6,000
Interior finishes				
New finishes throughout	82,091	SF GFA	25.00	2,052,275
Conveying				
Passenger elevators	2	STPS	60,000.00	120,000
MEP systems				
Plumbing, complete	82,091	SF GFA	13.75	1,128,751
Hvac	82,091	SF GFA	42.00	3,447,822
Fire protection system	82,091	SF GFA	5.00	410,455
Electrical system	82,091	SF GFA	33.00	2,709,003
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	280,000.00	280,000
Audiovisual	32	LS	3,000.00	96,000
Furnishings and casework				
Casework	82,091	SF GFA	8.00	656,728
Entrance mats	200	SF	50.00	10,000
Window treatments	14,109	SF	12.00	169,308
Bleacher seating	200	EA	150.00	30,000
Chapter 149A cost premiums				
Allowance	2%		25,304,111	506,082
Subtotal				\$25,810,193

4B.2 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

 Site set up, clearance and demolition 492,225 SF 0.70 344,558

Earthwork

 Cut to fill 13,673 CY 7.00 95,711

 Additional earthwork at track extension 2,037 CY 25.00 50,925

Paving

 Roadways 102,500 SF 7.00 717,500

 Walkways, terraces 26,000 SF 10.00 260,000

Site development

 Walls, fences, fixed furnishings 267,125 SF 0.80 213,700

 Landscaping soils and plantings 267,125 SF 1.00 267,125



LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 4b - "Street" New (Grade 5-8)

	Quantity	Unit	Rate	Total
Play area				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
Ball fields and the like				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	8,700	SF	5.50	47,850
Tennis courts	32,000	SF	5.50	176,000
Utilities				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,000,169	80,003
Subtotal				\$4,080,172

4B.3 - DEMOLITION

Trade Costs

Building demolition

Remove existing building	98,184	SF	10.00	981,840
Chapter 149A cost premiums				
Allowance	2%		981,840	19,637
Subtotal				\$1,001,477

4B.4 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

4B.5 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements, including

Chapter 149a premiums	21	MTH	140,000	2,940,000
Bonds and insurances	2%		35,108,234	702,165
Building permit		Waived		
Overhead and profit	3%		35,810,399	1,074,312

Subtotal				\$4,716,477
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	Quantity	Unit	Rate	Total
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4B.6 - DESIGN CONTINGENCY

Design Contingency

Contingencies

Design contingency	10%		36,884,711	3,688,471
GMP contingency	3%		40,573,182	1,217,195

Subtotal				\$4,905,666
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4B.7 - ESCALATION

Escalation

Construction cost escalation

All construction	11.1%		41,790,377	4,638,732
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Subtotal				\$4,638,732
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ESTIMATED CONTRACT AWARD - OPTION 4b	\$46,429,109
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	Quantity	Unit	Rate	Total
<u>4C.1 - NEW CONSTRUCTION</u>				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	2,518	LF	320.00	805,760
Strip footings at interior	74	LF	102.00	7,548
Strip footings at elevation changes, including wall	220	LF	320.00	70,400
Column footings at exterior, including piers/pilasters	80	EA	2,800.00	224,000
Column footings at interior, including piers	82	EA	2,600.00	213,200
Slab on grade				
Slab on grade	93,554	SF	11.00	1,029,094
Elevator pit	2	EA	14,000.00	28,000
Equipment pads	250	SF	27.00	6,750
Floor construction				
Steel construction, including metal decking	50,239	SF	35.00	1,758,365
Concrete topping to floors	50,239	SF	7.25	364,233
Miscellaneous				
Fireproofing and fire stopping	50,239	SF	2.20	110,526
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	93,854	SF	34.00	3,191,036
Concrete topping to roof	15,645	SF	7.25	113,426
Miscellaneous				
Fireproofing	93,554	SF	2.20	205,819
Exterior walls				
Exterior skin - combination, including backup	50,586	SF	88.00	4,451,568
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	21,680	SF	95.00	2,059,600
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	10	LVLS	2,500.00	25,000
Aluminum doors	20	LVLS	4,000.00	80,000
Door operators	4	EA	5,000.00	20,000
Roofing				
Flat	93,854	SF	25.00	2,346,350
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	1,000	SF	180.00	180,000
Interior construction				
Partitions, drywall, masonry and glass	111,337	SF	25.00	2,783,425
Premium for ballistic partitions	1	LS	75,000.00	75,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	420	LF	450.00	189,000
Interior doors				
Metal or wood	327	LVLS	3,000.00	981,000
Aluminum doors	11	LVLS	4,500.00	49,500
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000

	Quantity	Unit	Rate	Total
Specialties				
Complete	143,793	SF GFA	7.00	1,006,551
Staircases				
Feature staircase	2	FLT	35,000.00	70,000
Egress/Internal circulation staircases	2	FLT	25,000.00	50,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Stair finishes				
Feature staircases	2	FLT	9,000.00	18,000
Egress staircases	2	FLT	6,000.00	12,000
Interior finishes				
New finishes throughout	143,793	SF GFA	25.00	3,594,825
Conveying				
Passenger elevators	4	STPS	60,000.00	240,000
MEP systems				
Plumbing, complete	143,793	SF GFA	13.75	1,977,154
Hvac	143,793	SF GFA	42.00	6,039,306
Fire protection system	143,793	SF GFA	5.00	718,965
Electrical system	143,793	SF GFA	33.00	4,745,169
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	392,000.00	392,000
Audiovisual	60	LS	3,000.00	180,000
Furnishings and casework				
Casework	143,793	SF GFA	8.00	1,150,344
Entrance mats	200	SF	50.00	10,000
Window treatments	21,680	SF	12.00	260,160
Bleacher seating	200	EA	150.00	30,000
Chapter 149A cost premiums				
Allowance	2%		42,299,824	845,996
Subtotal				\$43,145,820

4C.2 - SITE WORK**Trade Costs**

Site preparation and development

Site preparation

Site set up, clearance and demolition

492,225 SF 0.70 344,558

Earthwork

Cut to fill

13,673 CY 7.00 95,711

Additional earthwork at track extension

2,037 CY 25.00 50,925

Paving

Roadways

102,500 SF 7.00 717,500

Walkways, terraces

26,000 SF 10.00 260,000

Site development

Walls, fences, fixed furnishings

270,171 SF 0.80 216,137

Landscaping soils and plantings

270,171 SF 1.00 270,171

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 4c - "Street" New (Grade K-8)

	Quantity	Unit	Rate	Total
Play area				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
Ball fields and the like				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	8,700	SF	5.50	47,850
Tennis courts	32,000	SF	5.50	176,000
Utilities				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,005,652	80,113
Subtotal				\$4,085,765

4C.3 - DEMOLITION

Trade Costs

Building demolition

Remove existing building	98,184	SF	10.00	981,840
Chapter 149A cost premiums				
Allowance	2%		981,840	19,637
Subtotal				\$1,001,477

4C.4 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

4C.5 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements, including

Chapter 149a premiums	27	MTH	140,000	3,780,000
Bonds and insurances	2%		53,289,454	1,065,789
Building permit		Waived		
Overhead and profit	3%		54,355,243	1,630,657

Subtotal **\$6,476,446**

	Quantity	Unit	Rate	Total
<u>4C.6 - DESIGN CONTINGENCY</u>				
Design Contingency				
Contingencies				
Design contingency	10%		55,985,900	5,598,590
GMP contingency	3%		61,584,490	1,847,535
Subtotal				\$7,446,125
<u>4C.7 - ESCALATION</u>				
Escalation				
Construction cost escalation				
All construction	11.1%		63,432,025	7,040,955
Subtotal				\$7,040,955
<hr/>				
ESTIMATED CONTRACT AWARD - OPTION 4c				\$70,472,980
<hr/>				

	Quantity	Unit	Rate	Total
<u>5A.1 - NEW CONSTRUCTION</u>				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	1,849	LF	320.00	591,680
Strip footings at interior	306	LF	102.00	31,212
Strip footings at elevation changes, including wall	144	LF	320.00	46,080
Column footings at exterior, including piers/pilasters	61	EA	2,800.00	170,800
Column footings at interior, including piers	57	EA	2,600.00	148,200
Slab on grade				
Slab on grade	62,700	SF	11.00	689,700
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	63,000	SF	34.00	2,142,000
Miscellaneous				
Fireproofing	62,700	SF	2.20	137,940
Exterior walls				
Exterior skin - combination, including backup	28,026	SF	88.00	2,466,288
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	12,011	SF	95.00	1,141,045
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	10	LVLS	2,500.00	25,000
Aluminum doors	18	LVLS	4,000.00	72,000
Door operators	4	EA	5,000.00	20,000
Roofing				
Flat	63,000	SF	25.00	1,575,000
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	600	SF	180.00	108,000
Interior construction				
Partitions, drywall, masonry and glass	47,992	SF	25.00	1,199,800
Premium for ballistic partitions	1	LS	50,000.00	50,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	50	LF	450.00	22,500
Interior doors				
Metal or wood	143	LVLS	3,000.00	429,000
Aluminum doors	8	LVLS	4,500.00	36,000
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000
Specialties				
Complete	62,700	SF GFA	7.00	438,900
Staircases				
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Interior finishes				
New finishes throughout	62,700	SF GFA	25.00	1,567,500

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 5a - "Wings" New (Grade 6-8)

	Quantity	Unit	Rate	Total
<i>MEP systems</i>				
Plumbing, complete	62,700	SF GFA	13.75	862,125
Hvac	62,700	SF GFA	42.00	2,633,400
Fire protection system	62,700	SF GFA	5.00	313,500
Electrical system	62,700	SF GFA	33.00	2,069,100
<i>Equipment</i>				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	210,000.00	210,000
Audiovisual	24	LS	3,000.00	72,000
<i>Furnishings and casework</i>				
Casework	62,700	SF GFA	8.00	501,600
Entrance mats	200	SF	50.00	10,000
Window treatments	12,011	SF	12.00	144,132
Bleacher seating	200	EA	150.00	30,000
<i>Chapter 149A cost premiums</i>				
Allowance	2%		20,391,252	407,825
Subtotal				\$20,799,077

5A.2 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

Site set up, clearance and demolition	650,000	SF	0.95	617,500
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Earthwork

Cut to fill	18,056	CY	7.00	126,392
Additional earthwork at track extension	2,037	CY	25.00	50,925

Paving

Roadways	100,500	SF	7.00	703,500
Walkways, terraces	29,768	SF	10.00	297,680

Site development

Walls, fences, fixed furnishings	429,482	SF	0.80	343,586
Landscaping soils and plantings	429,482	SF	1.00	429,482

Play area

Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000

Ball fields and the like

Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	17,500	SF	5.50	96,250
Tennis courts	34,800	SF	5.50	191,400

Utilities

Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000

	Quantity	Unit	Rate	Total
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums Allowance	2%		4,683,515	93,670
Subtotal				\$4,777,185

5A.3 - DEMOLITION

Trade Costs

Building demolition

Remove existing building	98,184	SF	10.00	981,840
Chapter 149A cost premiums Allowance	2%		981,840	19,637
Subtotal				\$1,001,477

5A.4 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

5A.5 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements, including

Chapter 149a premiums	19	MTH	140,000	2,660,000
Bonds and insurances	2%		30,514,131	610,283
Building permit		Waived		
Overhead and profit	3%		31,124,414	933,732

Subtotal				\$4,204,015
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5A.6 - DESIGN CONTINGENCY

Design Contingency

Contingencies

Design contingency	10%		32,058,146	3,205,815
GMP contingency	3%		35,263,961	1,057,919

Subtotal				\$4,263,734
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LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 5a - "Wings" New (Grade 6-8)

	Quantity	Unit	Rate	Total
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5A.7 - ESCALATION

Escalation

Construction cost escalation

All construction

	11.1%		36,321,880	4,031,729
Subtotal				\$4,031,729

ESTIMATED CONTRACT AWARD - OPTION 5a

\$40,353,609

	Quantity	Unit	Rate	Total
<u>5B.1 - NEW CONSTRUCTION</u>				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	1,938	LF	320.00	620,160
Strip footings at interior	306	LF	102.00	31,212
Strip footings at elevation changes, including wall	144	LF	320.00	46,080
Column footings at exterior, including piers/pilasters	59	EA	2,800.00	165,200
Column footings at interior, including piers	55	EA	2,600.00	143,000
Slab on grade				
Slab on grade	66,121	SF	11.00	727,331
Elevator pit	2	EA	14,000.00	28,000
Equipment pads	250	SF	27.00	6,750
Floor construction				
Steel construction, including metal decking	15,331	SF	35.00	536,585
Concrete topping to floors	15,331	SF	7.25	111,150
Miscellaneous				
Fireproofing and fire stopping	15,331	SF	2.20	33,728
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	66,421	SF	34.00	2,258,314
Concrete topping to roof	23,565	SF	7.25	170,846
Miscellaneous				
Fireproofing	66,121	SF	2.20	145,466
Exterior walls				
Exterior skin - combination, including backup	33,857	SF	88.00	2,979,416
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	14,511	SF	95.00	1,378,545
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	10	LVLS	2,500.00	25,000
Aluminum doors	18	LVLS	4,000.00	72,000
Door operators	4	EA	5,000.00	20,000
Roofing				
Flat	66,421	SF	25.00	1,660,525
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	600	SF	180.00	108,000
Interior construction				
Partitions, drywall, masonry and glass	61,796	SF	25.00	1,544,900
Premium for ballistic partitions	1	LS	50,000.00	50,000
Folding/operable partitions	1	LS	250,000.00	250,000
Interior doors				
Metal or wood	185	LVLS	3,000.00	555,000
Aluminum doors	8	LVLS	4,500.00	36,000
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000

LEICESTER PUBLIC SCHOOLS

Middle School Project

Leicester, MA

CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 5b - "Wings" New (Grade 5-8)

	Quantity	Unit	Rate	Total
Specialties				
Complete	81,452	SF GFA	7.00	570,164
Staircases				
Feature staircase	1	FLT	35,000.00	35,000
Egress/Internal circulation staircases	2	FLT	25,000.00	50,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Stair finishes				
Feature staircases	1	FLT	9,000.00	9,000
Egress staircases	2	FLT	6,000.00	12,000
Interior finishes				
New finishes throughout	81,452	SF GFA	25.00	2,036,300
Conveying				
Passenger elevators	4	STPS	60,000.00	240,000
MEP systems				
Plumbing, complete	81,452	SF GFA	13.75	1,119,965
Hvac	81,452	SF GFA	42.00	3,420,984
Fire protection system	81,452	SF GFA	5.00	407,260
Electrical system	81,452	SF GFA	33.00	2,687,916
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	280,000.00	280,000
Audiovisual	32	LS	3,000.00	96,000
Furnishings and casework				
Casework	81,452	SF GFA	8.00	651,616
Entrance mats	200	SF	50.00	10,000
Window treatments	14,511	SF	12.00	174,132
Bleacher seating	200	EA	150.00	30,000
Chapter 149A cost premiums				
Allowance	2%		25,720,295	514,406
Subtotal				\$26,234,701

5B.2 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

 Site set up, clearance and demolition 650,000 SF 0.95 617,500

Earthwork

 Cut to fill 18,056 CY 7.00 126,392

 Additional earthwork at track extension 2,037 CY 25.00 50,925

Paving

 Roadways 100,500 SF 7.00 703,500

 Walkways, terraces 29,768 SF 10.00 297,680

Site development

 Walls, fences, fixed furnishings 429,482 SF 0.80 343,586

 Landscaping soils and plantings 429,482 SF 1.00 429,482



	Quantity	Unit	Rate	Total
<i>Play area</i>				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
<i>Ball fields and the like</i>				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	17,500	SF	5.50	96,250
Tennis courts	34,800	SF	5.50	191,400
<i>Utilities</i>				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
<i>Chapter 149A cost premiums</i>				
Allowance	2%		4,683,515	93,670
Subtotal				\$4,777,185

5B.3 - DEMOLITION

Trade Costs

Building demolition

Remove existing building	98,184	SF	10.00	981,840
<i>Chapter 149A cost premiums</i>				
Allowance	2%		981,840	19,637
Subtotal				\$1,001,477

5B.4 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

5B.5 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements, including

Chapter 149a premiums	21	MTH	140,000	2,940,000
Bonds and insurances	2%		36,229,755	724,595
Building permit		Waived		
Overhead and profit	3%		36,954,350	1,108,631

Subtotal				\$4,773,226
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	Quantity	Unit	Rate	Total
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5B.6 - DESIGN CONTINGENCY

Design Contingency

Contingencies

Design contingency	10%		38,062,981	3,806,298
GMP contingency	3%		41,869,279	1,256,078

Subtotal				\$5,062,376
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5B.7 - ESCALATION

Escalation

Construction cost escalation

All construction	11.1%		43,125,357	4,786,915
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Subtotal				\$4,786,915
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ESTIMATED CONTRACT AWARD - OPTION 5b

\$47,912,272

	Quantity	Unit	Rate	Total
5C.1 - NEW CONSTRUCTION				
Trade Costs				
Foundations				
Strip footings at exterior, including foundation wall	2,337	LF	320.00	747,840
Strip footings at interior	308	LF	102.00	31,416
Strip footings at elevation changes, including wall	144	LF	320.00	46,080
Column footings at exterior, including piers/pilasters	85	EA	2,800.00	238,000
Column footings at interior, including piers	106	EA	2,600.00	275,600
Slab on grade				
Slab on grade	90,274	SF	11.00	993,014
Elevator pit	2	EA	14,000.00	28,000
Equipment pads	250	SF	27.00	6,750
Floor construction				
Steel construction, including metal decking	51,847	SF	35.00	1,814,645
Concrete topping to floors	51,847	SF	7.25	375,891
Miscellaneous				
Fireproofing and fire stopping	51,847	SF	2.20	114,063
Equipment pads	250	SF	27.00	6,750
Roof construction				
Steel construction, including metal decking	90,574	SF	34.00	3,079,516
Concrete topping to roof	9,470	SF	7.25	68,658
Miscellaneous				
Fireproofing	90,274	SF	2.20	198,603
Exterior walls				
Exterior skin - combination, including backup	48,270	SF	88.00	4,247,760
Soffits @ building overhang	300	SF	55.00	16,500
Windows				
Aluminum windows and glazing	20,687	SF	95.00	1,965,265
Exterior doors				
Hollow metal doors or wood doors, frame and hardware	10	LVLS	2,500.00	25,000
Aluminum doors	20	LVLS	4,000.00	80,000
Door operators	4	EA	5,000.00	20,000
Roofing				
Flat	90,574	SF	25.00	2,264,350
Roof openings				
Roof hatch/ vents	1	LS	2,500.00	2,500
Skylights	1,000	SF	180.00	180,000
Interior construction				
Partitions, drywall, masonry and glass	113,246	SF	25.00	2,831,150
Premium for ballistic partitions	1	LS	75,000.00	75,000
Folding/operable partitions	1	LS	250,000.00	250,000
Rails and guardrails	74	LF	450.00	33,300
Interior doors				
Metal or wood	323	LVLS	3,000.00	969,000
Aluminum doors	8	LVLS	4,500.00	36,000
Added cost for door operators	2	EA	4,500.00	9,000
Overhead doors	1	LS	22,000.00	22,000

LEICESTER PUBLIC SCHOOLS

Middle School Project

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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 5c - "Wings" New (Grade K-8)

	Quantity	Unit	Rate	Total
Specialties				
Complete	142,121	SF GFA	7.00	994,847
Staircases				
Feature staircase	2	FLT	35,000.00	70,000
Egress/Internal circulation staircases	2	FLT	25,000.00	50,000
Miscellaneous steps and ladders	1	LS	5,000.00	5,000
Stair finishes				
Feature staircases	2	FLT	9,000.00	18,000
Egress staircases	2	FLT	6,000.00	12,000
Interior finishes				
New finishes throughout	142,121	SF GFA	25.00	3,553,025
Conveying				
Passenger elevators	4	STPS	60,000.00	240,000
MEP systems				
Plumbing, complete	142,121	SF GFA	13.75	1,954,164
Hvac	142,121	SF GFA	42.00	5,969,082
Fire protection system	142,121	SF GFA	5.00	710,605
Electrical system	142,121	SF GFA	33.00	4,689,993
Equipment				
Stage	1	LS	60,000.00	60,000
Athletic	1	LS	65,000.00	65,000
Kitchen equipment	1	LS	392,000.00	392,000
Audiovisual	60	LS	3,000.00	180,000
Furnishings and casework				
Casework	142,121	SF GFA	8.00	1,136,968
Entrance mats	200	SF	50.00	10,000
Window treatments	20,687	SF	12.00	248,244
Bleacher seating	200	EA	150.00	30,000
Chapter 149A cost premiums				
Allowance	2%		41,440,579	828,812
Subtotal				\$42,269,391

5C.2 - SITE WORK

Trade Costs

Site preparation and development

Site preparation

 Site set up, clearance and demolition

650,000 SF 0.95 617,500

Earthwork

 Cut to fill

18,056 CY 7.00 126,392

 Additional earthwork at track extension

2,037 CY 25.00 50,925

Paving

 Roadways

100,500 SF 7.00 703,500

 Walkways, terraces

29,768 SF 10.00 297,680

Site development

 Walls, fences, fixed furnishings

429,458 SF 0.80 343,566

 Landscaping soils and plantings

429,458 SF 1.00 429,458

	Quantity	Unit	Rate	Total
<i>Play area</i>				
Paving	9,000	SF	26.00	234,000
Structure	2	LS	150,000.00	300,000
<i>Ball fields and the like</i>				
Multi-purpose field	1	LS	100,000.00	100,000
Track expansion	1	LS	300,000.00	300,000
Basketball courts	17,500	SF	5.50	96,250
Tennis courts	34,800	SF	5.50	191,400
<i>Utilities</i>				
Water	2,300	LF	116.00	266,800
Sanitary	900	LF	140.00	126,000
Storm water	1	LS	300,000.00	300,000
Electrical	1	LS	200,000.00	200,000
Chapter 149A cost premiums				
Allowance	2%		4,683,471	93,669
Subtotal				\$4,777,140

5C.3 - DEMOLITION

Trade Costs

Building demolition

Remove existing building	98,184	SF	10.00	981,840
Chapter 149A cost premiums				
Allowance	2%		981,840	19,637
Subtotal				\$1,001,477

5C.4 - HAZMAT

Trade Costs

Selective demolition

Hazardous materials abatement

Remove hazardous building materials - allowance	98,184	SF	13.00	1,276,392
Subtotal				\$1,276,392

5C.5 - MARKUPS

Markups

General conditions, overhead and profit

General conditions and project requirements,

including Chapter 149a premiums

Bonds and insurances

Building permit

Overhead and profit

	27	MTH	140,000	3,780,000
	2%		53,104,400	1,062,088
		Waived		
	3%		54,166,488	1,624,995
Subtotal				\$6,467,083

LEICESTER PUBLIC SCHOOLS

Middle School Project

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CONCEPT DESIGN CONSTRUCTION COST ESTIMATE

April 7, 2019

Option 5c - "Wings" New (Grade K-8)

	Quantity	Unit	Rate	Total
<u>5C.6 - DESIGN CONTINGENCY</u>				
Design Contingency				
Contingencies				
Design contingency	10%		55,791,483	5,579,148
GMP contingency	3%		61,370,631	1,841,119
Subtotal				\$7,420,267
<u>5C.7 - ESCALATION</u>				
Escalation				
Construction cost escalation				
All construction	11.1%		63,211,750	7,016,504
Subtotal				\$7,016,504
<hr/>				
ESTIMATED CONTRACT AWARD - OPTION 5c				\$70,228,254
<hr/>				



PDP Report

**Leicester MS School
Design Options**

Leicester, MA

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20 Downer Ave, Suite 1C
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Prepared for:

NV5

April 8, 2019



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MAIN CONSTRUCTION COST SUMMARY

	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION R1 RENOVATION ONLY				
	Apr-21			
RENOVATIONS TO EXISTING SCHOOL		73,464	\$236.94	\$17,406,281
REMOVE HAZARDOUS MATERIALS				TBD
SITework; Minor Upgrades				\$500,000
SUB-TOTAL		73,464	\$243.74	\$17,906,281
ESCALATION	6.0%			\$1,074,377
DESIGN AND PRICING CONTINGENCY	12.0%			\$2,277,679
SUB-TOTAL		73,464	\$289.37	\$21,258,337
GENERAL CONDITIONS	10.0%			\$2,125,834
GENERAL REQUIREMENTS	4.0%			\$850,333
BONDS	1.25%			\$265,729
INSURANCE	1.80%			\$441,004
PERMIT				Waived
FEE	3.0%			\$748,237
GMP CONTINGENCY	2.5%			\$531,458
PHASING PREMIUM				\$637,750
MODULAR CLASSROOMS				By Others
TOTAL OF ALL CONSTRUCTION		73,464	\$365.60	\$26,858,682



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 2A RENOVATION + ADDITION (Grades 6-8)				
	Apr-21			
RENOVATIONS TO EXISTING SCHOOL		24,757	\$281.79	\$6,976,275
ADDITIONS		57,117	\$308.05	\$17,594,892
PARTIAL DEMOLITION		48,707	\$8.00	\$389,656
REMOVE HAZARDOUS MATERIALS				TBD
SITework - 15% Allowance				\$3,685,675
SUB-TOTAL		81,874	\$349.89	\$28,646,498
ESCALATION - (assumed 3% PA)	6.0%			\$1,718,790
DESIGN AND PRICING CONTINGENCY	12%			\$3,643,835
SUB-TOTAL		81,874	\$415.38	\$34,009,123
GENERAL CONDITIONS	24	MTHS	\$140,000	\$3,360,000
GENERAL REQUIREMENTS	3.0%			\$1,020,274
BONDS	1.25%			\$425,114
INSURANCE	1.80%			\$698,661
PERMIT				Waived
FEE	3.0%			\$1,185,395
GMP CONTINGENCY	2.5%			\$850,228
TOTAL OF ALL CONSTRUCTION		81,874	\$507.47	\$41,548,795



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 2B RENOVATION + ADDITION (Grades 5-8)				
	Apr-21			
RENOVATIONS TO EXISTING SCHOOL		24,757	\$281.79	\$6,976,332
ADDITIONS		69,959	\$308.05	\$21,550,567
PARTIAL DEMOLITION		48,707	\$8.00	\$389,656
REMOVE HAZARDOUS MATERIALS				TBD
SITework - 15% Allowance				\$4,279,035
SUB-TOTAL		94,716	\$350.47	\$33,195,590
ESCALATION - (assumed 3% PA)	6.0%			\$1,991,735
DESIGN AND PRICING CONTINGENCY	12%			\$4,222,479
SUB-TOTAL		94,716	\$416.08	\$39,409,804
GENERAL CONDITIONS	24	MTHS	\$140,000	\$3,360,000
GENERAL REQUIREMENTS	3.0%			\$1,182,294
BONDS	1.25%			\$492,623
INSURANCE	1.80%			\$800,005
PERMIT				Waived
FEE	3.0%			\$1,357,342
GMP CONTINGENCY	2.5%			\$985,245
TOTAL OF ALL CONSTRUCTION		94,716	\$502.42	\$47,587,313



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 2C RENOVATION + ADDITION (Grades K-8)				
	Apr-21			
RENOVATIONS TO EXISTING SCHOOL		24,757	\$281.79	\$6,976,332
ADDITIONS		114,267	\$295.54	\$33,770,985
PARTIAL DEMOLITION		48,707	\$8.00	\$389,656
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$6,112,098
SUB-TOTAL		139,024	\$339.86	\$47,249,071
ESCALATION - (assumed 3% PA)	6.0%			\$2,834,944
DESIGN AND PRICING CONTINGENCY	12%			\$6,010,082
SUB-TOTAL		139,024	\$403.48	\$56,094,097
GENERAL CONDITIONS	30	MTHS	\$140,000	\$4,200,000
GENERAL REQUIREMENTS	3.0%			\$1,682,823
BONDS	1.25%			\$701,176
INSURANCE	1.80%			\$1,128,206
PERMIT				Waived
FEE	3.0%			\$1,914,189
GMP CONTINGENCY	2.5%			\$1,402,352
TOTAL OF ALL CONSTRUCTION		139,024	\$482.81	\$67,122,843



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 3 - "TRACK" NEW CONSTRUCTION (Grades 5-8)				
	Apr-21			
NEW BUILDING		82,587	\$300.95	\$24,854,904
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$3,728,236
SUB-TOTAL		82,587	\$352.32	\$29,097,388
ESCALATION - (assumed 3% PA)	6.0%			\$1,745,843
DESIGN AND PRICING CONTINGENCY	12%			\$3,701,188
SUB-TOTAL		82,587	\$418.28	\$34,544,419
GENERAL CONDITIONS	24	MTHS	\$140,000	\$3,360,000
GENERAL REQUIREMENTS	3.0%			\$1,036,333
BONDS	1.25%			\$431,805
INSURANCE	1.80%			\$708,706
PERMIT				Waived
FEE	3.0%			\$1,202,438
GMP CONTINGENCY	2.5%			\$863,610
TOTAL OF ALL CONSTRUCTION		82,587	\$510.34	\$42,147,311



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 4a - "STREET" NEW CONSTRUCTION (Grades 6-8)				
	Apr-21			
NEW BUILDING		62,638	\$325.20	\$20,369,981
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$3,055,497
SUB-TOTAL		62,638	\$382.19	\$23,939,726
ESCALATION - (assumed 3% PA)	6.0%			\$1,436,384
DESIGN AND PRICING CONTINGENCY	12%			\$3,045,133
SUB-TOTAL		62,638	\$453.74	\$28,421,243
GENERAL CONDITIONS	18	MTHS	\$140,000	\$2,520,000
GENERAL REQUIREMENTS	3.0%			\$852,637
BONDS	1.25%			\$355,266
INSURANCE	1.80%			\$578,685
PERMIT				Waived
FEE	3.0%			\$981,835
GMP CONTINGENCY	2.5%			\$710,531
TOTAL OF ALL CONSTRUCTION		62,638	\$549.51	\$34,420,197



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 4b - "STREET" NEW CONSTRUCTION (Grades 5-8)				
	Apr-21			
NEW BUILDING		82,091	\$314.95	\$25,854,922
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$3,878,238
SUB-TOTAL		82,091	\$368.46	\$30,247,408
ESCALATION - (assumed 3% PA)	6.0%			\$1,814,844
DESIGN AND PRICING CONTINGENCY	12%			\$3,847,470
SUB-TOTAL		82,091	\$437.44	\$35,909,722
GENERAL CONDITIONS	24	MTHS	\$140,000	\$3,360,000
GENERAL REQUIREMENTS	3.0%			\$1,077,292
BONDS	1.25%			\$448,872
INSURANCE	1.80%			\$734,326
PERMIT				Waived
FEE	3.0%			\$1,245,906
GMP CONTINGENCY	2.5%			\$897,743
TOTAL OF ALL CONSTRUCTION		82,091	\$532.02	\$43,673,861



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 4c - "STREET" NEW CONSTRUCTION (Grades k-8)				
	Apr-21			
NEW BUILDING		143,793	\$304.71	\$43,815,272
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$6,572,291
SUB-TOTAL		143,793	\$353.99	\$50,901,811
ESCALATION - (assumed 3% PA)	6.0%			\$3,054,109
DESIGN AND PRICING CONTINGENCY	12%			\$6,474,710
SUB-TOTAL		143,793	\$420.26	\$60,430,630
GENERAL CONDITIONS	30	MTHS	\$140,000	\$4,200,000
GENERAL REQUIREMENTS	3.0%			\$1,812,919
BONDS	1.25%			\$755,383
INSURANCE	1.80%			\$1,209,581
PERMIT				Waived
FEE	3.0%			\$2,052,255
GMP CONTINGENCY	2.5%			\$1,510,766
TOTAL OF ALL CONSTRUCTION		143,793	\$500.52	\$71,971,534



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 5a - "WINGS" NEW CONSTRUCTION (Grades 6-8)				
	Apr-21			
NEW BUILDING		62,700	\$325.51	\$20,409,626
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$3,061,444
SUB-TOTAL		62,700	\$382.54	\$23,985,318
ESCALATION - (assumed 3% PA)	6.0%			\$1,439,119
DESIGN AND PRICING CONTINGENCY	12%			\$3,050,932
SUB-TOTAL		62,700	\$454.15	\$28,475,369
GENERAL CONDITIONS	18	MTHS	\$140,000	\$2,520,000
GENERAL REQUIREMENTS	3.0%			\$854,261
BONDS	1.25%			\$355,942
INSURANCE	1.80%			\$579,700
PERMIT				Waived
FEE	3.0%			\$983,558
GMP CONTINGENCY	2.5%			\$711,884
TOTAL OF ALL CONSTRUCTION		62,700	\$549.93	\$34,480,714



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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 5b - "WINGS" NEW CONSTRUCTION (Grades 5-8)				
	Apr-21			
NEW BUILDING		81,452	\$320.40	\$26,097,066
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$3,914,560
SUB-TOTAL		81,452	\$374.77	\$30,525,874
ESCALATION - (assumed 3% PA)	6.0%			\$1,831,552
DESIGN AND PRICING CONTINGENCY	12%			\$3,882,891
SUB-TOTAL		81,452	\$444.93	\$36,240,317
GENERAL CONDITIONS	24	MTHS	\$140,000	\$3,360,000
GENERAL REQUIREMENTS	3.0%			\$1,087,210
BONDS	1.25%			\$453,004
INSURANCE	1.80%			\$740,530
PERMIT				Waived
FEE	3.0%			\$1,256,432
GMP CONTINGENCY	2.5%			\$906,008
TOTAL OF ALL CONSTRUCTION		81,452	\$540.73	\$44,043,501



Leicester MS School
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	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION 5c - "WINGS" NEW CONSTRUCTION (Grades k-8)				
	Apr-21			
NEW BUILDING		142,121	\$301.35	\$42,827,682
DEMOLISH EXISTING SCHOOL		73,464	\$7.00	\$514,248
REMOVE HAZARDOUS MATERIALS				TBD
SITWORK - 15% Allowance				\$6,424,152
SUB-TOTAL		142,121	\$350.17	\$49,766,082
ESCALATION - (assumed 3% PA)	6.0%			\$2,985,965
DESIGN AND PRICING CONTINGENCY	12%			\$6,330,246
SUB-TOTAL		142,121	\$415.72	\$59,082,293
GENERAL CONDITIONS	30	MTHS	\$140,000	\$4,200,000
GENERAL REQUIREMENTS	3.0%			\$1,772,469
BONDS	1.25%			\$738,529
INSURANCE	1.80%			\$1,184,279
PERMIT				Waived
FEE	3.0%			\$2,009,327
GMP CONTINGENCY	2.5%			\$1,477,057
TOTAL OF ALL CONSTRUCTION		142,121	\$495.80	\$70,463,954



Leicester MS School

Design Options

Leicester, MA

08-Apr-19

PDP Report

This PDP cost estimate was produced from drawings, narratives and other documentation prepared by Finegold Alexander Architects, Inc. and their design team dated March 29, 2019. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, Construction Manager's fee and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding under Chapter 149a of the Massachusetts General Laws to pre-qualified construction managers, and pre-qualified sub-contractors, open specifications for materials and manufactures. If a CM at risk C149a procurement is used costs will increase from the costs presented in this report.

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

- Land acquisition, feasibility, and financing costs
- All professional fees and insurance
- Site or existing conditions surveys investigations costs, including to determine subsoil conditions
- All Furnishings, Fixtures and Equipment
- Items identified in the design as Not In Contract (NIC)
- Items identified in the design as by others
- Owner supplied and/or installed items as indicated in the estimate
- Utility company back charges, including work required off-site
- Work to City streets and sidewalks, (except as noted in this estimate)
- Construction contingency
- Contaminated soils removal



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$25,000			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$480,196	\$505,196	\$6.88	2.9%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$0			
B1020 Roof Construction	\$570,980	\$570,980	\$7.77	3.3%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$1,045,829			
B2020 Windows/Curtainwall	\$1,673,811			
B2030 Exterior Doors	\$95,348	\$2,814,988	\$38.32	16.2%
B30 ROOFING				
B3010 Roof Coverings	\$0			
B3020 Roof Openings	\$0	\$0	\$0.00	0.0%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$1,057,706			
C1020 Interior Doors	\$418,320			
C1030 Specialties/Millwork	\$291,817	\$1,767,843	\$24.06	10.2%
C20 STAIRCASES				
C2010 Stair Construction	\$50,000			
C2020 Stair Finishes	\$0	\$50,000	\$0.68	0.3%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$367,320			
C3020 Floor Finishes	\$881,568			
C3030 Ceiling Finishes	\$808,104	\$2,056,992	\$28.00	11.8%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$50,000	\$50,000	\$0.68	0.3%
D20 PLUMBING				
D20 Plumbing	\$1,011,398	\$1,011,398	\$13.77	5.8%
D30 HVAC				
D30 HVAC	\$3,673,200	\$3,673,200	\$50.00	21.1%
D40 FIRE PROTECTION				
D40 Fire Protection	\$393,032	\$393,032	\$5.35	2.3%
D50 ELECTRICAL				
D5010 Electrical Systems	\$2,737,204	\$2,737,204	\$37.26	15.7%
E10 EQUIPMENT				
E10 Equipment	\$421,000	\$421,000	\$5.73	2.4%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)					
E20 FURNISHINGS					
E2010	Fixed Furnishings	\$840,200			
E2020	Movable Furnishings	NIC	\$840,200	\$11.44	4.8%
F10 SPECIAL CONSTRUCTION					
F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20 SELECTIVE BUILDING DEMOLITION					
F2010	Building Elements Demolition	\$514,248			
F2020	Hazardous Components Abatement	\$0	\$514,248	\$7.00	3.0%
TOTAL DIRECT COST (Trade Costs)			\$17,406,281	\$236.94	100.0%



PDP Report

GFA 73,464

DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)

GROSS FLOOR AREA CALCULATION

Level 1

73,464

TOTAL GROSS FLOOR AREA (GFA)	73,464	sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

Allowance for foundation repair	1	ls	25,000.00	25,000	
SUBTOTAL					25,000

A1020 SPECIAL FOUNDATIONS

No work in this section					
SUBTOTAL					

A1030 LOWEST FLOOR CONSTRUCTION

Install new entrance ramps and modify sidewalks	4	loc	40,000.00	160,000	
Install new entrance ramps at courtyard	5	loc	30,000.00	150,000	
Install new playing field ramps and modify sidewalks	1	ls	50,000.00	50,000	
Cut and patch existing slab for new plumbing	73,464	sf	1.50	110,196	
Equipment pads	1	ls	10,000.00	10,000	
SUBTOTAL					480,196

TOTAL - FOUNDATIONS					\$505,196
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B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

SUBTOTAL					-
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B1020 ROOF CONSTRUCTION

<u>Roof Structure - Steel:</u>					
Replace gypsum roof panels; 50%	36,732	sf	15.00	550,980	
New lateral Bracing to roofs for new RTU;s				NR	
Allowance for dunnage	1	ls	20,000.00	20,000	
SUBTOTAL					570,980

TOTAL - SUPERSTRUCTURE					\$570,980
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B20 EXTERIOR CLOSURE

B2010 EXTERIOR WALLS - solid assumed 60%

Cut and repoint; 50%	21,271	sf			
	10,636	sf	35.00	372,260	
Masonry repair; 20%	4,254	sf	50.00	212,700	
Insulate exterior wall	21,271	sf	15.00	319,065	
Staging	35,451	sf	4.00	141,804	
SUBTOTAL					1,045,829

B2020 WINDOWS/CURTAINWALL

Exterior Wall Area - Glazed Assume 40%	14,180	sf			
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061000 ROUGH CARPENTRY

Wood blocking at openings	8,341	lf	12.00	100,092	
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070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Backer rod & double sealant	8,341	lf	9.00	75,069	
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PDP Report

GFA 73,464

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)								
62	080001 METAL WINDOWS							
63	Windows, double glazed; 60% of glazed area	8,508	sf	95.00	808,260			
64	Curtainwall, double glazed; 40% of glazed area	5,672	sf	120.00	680,640			
65	Sunshades; horizontal	1	ls	20,000.00	NR			
66								
67	089000 LOUVERS							
68	Louvers	150	sf	65.00	9,750			
69	SUBTOTAL					1,673,811		
70								
71	B2030 EXTERIOR DOORS							
72	Replace exterior glazed door, double	8	pr	8,000.00	64,000			
73	Replace exterior glazed door, single	7	ea	4,000.00	28,000			
74	Backer rod & double sealant	279	lf	9.00	2,511			
75	Wood blocking at openings	279	lf	3.00	837			
76	SUBTOTAL					95,348		
77								
78	TOTAL - EXTERIOR CLOSURE						\$2,814,988	
79								
80								
81	B30 ROOFING							
82								
83	B3010 ROOF COVERINGS							
84	Replace existing roofing systems, EPDM	73,464	sf	22.00	ETR			
85	SUBTOTAL					-		
86								
87	B3020 ROOF OPENINGS							
88	SUBTOTAL					-		
89								
90	TOTAL - ROOFING							
91								
92								
93	C10 INTERIOR CONSTRUCTION							
94								
95	C1010 PARTITIONS							
96	Anchor the top of all masonry partitions to the underside of the floor or structure above	73,464	gsf	6.00	NR			
97	Renovate bathrooms	1,177	sf	200.00	235,400			
98	Renovate lockers/showers	3,523	sf	150.00	528,450			
99	Work to existing partitions	73,464	gsf	4.00	293,856			
100	SUBTOTAL					1,057,706		
101								
102	C1020 INTERIOR DOORS							
103	Replace existing doors and hardware	73,464	gsf	5.00	367,320			
104	Modify existing door openings for ADA clearances	6	loc	3,500.00	21,000			
105	Install power automatic door opener	10	loc	3,000.00	30,000			
106	SUBTOTAL					418,320		
107								
108	C1030 SPECIALTIES / MILLWORK							
109	Toilet Partitions and accessories				Included above			
110	Lockers; replace 30%	73,464	gsf	0.45	33,059			
111	Replace circulation desk	1	loc	20,000.00	20,000			
112								
113	055000 MISCELLANEOUS METALS							
114	Miscellaneous metals throughout building	73,464	sf	1.00	73,464			
115								
116	061000 ROUGH CARPENTRY							
117	Rough blocking	73,464	sf	0.50	36,732			
118								



PDP Report

GFA 73,464

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)								
119	070001 WATERPROOFING, DAMPPROOFING AND CAULKING							
120	Miscellaneous sealants throughout building	73,464	sf	1.50	110,196			
121								
122	101400 SIGNAGE							
123	Code compliant signage	73,464	sf	0.25	18,366			
124	SUBTOTAL					291,817		
125								
126	TOTAL - INTERIOR CONSTRUCTION						\$1,767,843	
127								
128								
129	C20 STAIRCASES							
130								
131	C2010 STAIR CONSTRUCTION							
132	Remove and rebuild existing ADA ramps	2	loc	25,000.00	50,000			
133	SUBTOTAL					50,000		
134								
135	C2020 STAIR FINISHES							
136	No work to existing stairs							
137	SUBTOTAL					-		
138								
139	TOTAL - STAIRCASES						\$50,000	
140								
141								
142	C30 INTERIOR FINISHES							
143								
144	C3010 WALL FINISHES							
145	Painting/wall finishes	73,464	gsf	5.00	367,320			
146	SUBTOTAL					367,320		
147								
148	C3020 FLOOR FINISHES							
149	Allowance to replace floor finishes including patching/leveling existing	73,464	gsf	12.00	881,568			
150	SUBTOTAL					881,568		
151								
152	C3030 CEILING FINISHES							
153	Replace existing ceiling finishes	73,464	gsf	11.00	808,104			
154	SUBTOTAL					808,104		
155								
156	TOTAL - INTERIOR FINISHES						\$2,056,992	
157								
158								
159	D10 CONVEYING SYSTEMS							
160								
161	D1010 ELEVATOR							
162	Stage ADA lift; including stage modifications	1	loc	50,000.00	50,000			
163	SUBTOTAL					50,000		
164								
165	TOTAL - CONVEYING SYSTEMS						\$50,000	
166								
167								
168	D20 PLUMBING							
169								
170	D20 PLUMBING, GENERALLY							
171	Plumbing; Renovation; piping mains to remain	73,464	sf	12.85	944,012			
172	Replace drinking fountain with ADA fixture	1	ea	8,000.00	8,000			
173	Replace sink and faucet	6	ea	5,000.00	30,000			
174	Demo existing plumbing	73,464	sf	0.40	29,386			
175	SUBTOTAL					1,011,398		
176								



PDP Report

GFA 73,464

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)

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TOTAL - PLUMBING							\$1,011,398
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D30 HVAC

D30 HVAC, GENERALLY							
HVAC; Chilled beam system with full AC	73,464	sf	49.00	3,599,736			
Demo existing HVAC	73,464	sf	1.00	73,464			
SUBTOTAL						3,673,200	

TOTAL - HVAC							\$3,673,200
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D40 FIRE PROTECTION

D40 FIRE PROTECTION, GENERALLY							
Fire Protection; renovation (no fire pump req'd)	73,464	sf	5.00	367,320			
Demo existing fire protection	73,464	sf	0.35	25,712			
SUBTOTAL						393,032	

TOTAL - FIRE PROTECTION							\$393,032
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION							
<u>Normal Power</u>							
Normal power panelboards and feeders	73,464	sf	5.00	367,320			
Emergency power panelboards and feeders	73,464	sf	3.00	220,392			
<u>Equipment wiring feed and connection</u>							
Equipment wiring feed and connection	73,464	sf	2.00	146,928			
SUBTOTAL						734,640	

D5020 LIGHTING & POWER							
LED lighting allowance	73,464	sf	5.50	404,052			
Exit lighting	73,464	sf	0.50	36,732			
<u>Lighting controls</u>							
Automated lighting controls system	73,464	sf	1.50	110,196			
<u>Branch devices</u>							
Branch devices	73,464	sf	0.50	36,732			
<u>Lighting and branch circuitry</u>							
Branch circuitry	73,464	sf	5.00	367,320			
SUBTOTAL						955,032	

D5030 COMMUNICATION & SECURITY SYSTEMS							
<u>Fire Alarm</u>							
New FA system	73,464	sf	3.00	220,392			
<u>Telephone/Data/CATV</u>							
Fit-Out Closets, devices and cabling	73,464	sf	2.00	146,928			
Rough-in	73,464	sf	1.00	73,464			
<u>Clock/PA System</u>							
Clock/PA System	73,464	sf	1.00	73,464			
Classroom speech reinforcement	73,464	sf	1.50	110,196			
<u>Cafeteria</u>							
Sound system	1	ls	30,000.00	30,000			
<u>Gymnasium</u>							
Sound system	1	ls	30,000.00	30,000			
Score board	1	ls	7,500.00	7,500			



PDP Report

GFA 73,464

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)

234	<u>AV</u>						
235	AV equipment provided by others				By Others		
236	Rough-in only	73,464	sf	1.00	73,464		
237	<u>Security System</u>						
238	Security System	73,464	sf	2.50	183,660		
239	SUBTOTAL					949,068	
240							
241	D5040 OTHER ELECTRICAL SYSTEMS						
242	<u>Miscellaneous</u>						
243	Demolition work	73,464	sf	0.75	55,098		
244	Temporary power	1	ls	25,000.00	25,000		
245	Fees & Permits	73,464	sf	0.25	18,366		
246	SUBTOTAL					98,464	
247							
248							
249	TOTAL - ELECTRICAL						\$2,737,204

E10 EQUIPMENT

254	E10 EQUIPMENT, GENERALLY						
255	Food Service equipment; replace	1,400	sf	290.00	406,000		
256	Gym wall pads				ETR		
257	Basketball backstops; swing up; electric operated				ETR		
258	Gymnasium dividing net; electrically operated				ETR		
259	Telescoping bleachers; ADA upgrades	1	ls	15,000.00	15,000		
260	SUBTOTAL					421,000	
261							
262	TOTAL - EQUIPMENT						\$421,000

E20 FURNISHINGS

267	E2010 FIXED FURNISHINGS						
268	Window blinds	14,180	sf	7.00	99,260		
269	New ADA sink counter	6	loc	1,050.00	6,300		
270	Casework allowance; replace existing	73,464	gsf	10.00	734,640		
271	SUBTOTAL					840,200	
272							
273	E2020 MOVABLE FURNISHINGS						
274	All movable furnishings to be provided and installed by owner						
275	SUBTOTAL					NIC	
276							
277	TOTAL - FURNISHINGS						\$840,200

F10 SPECIAL CONSTRUCTION

282	F10 SPECIAL CONSTRUCTION						
283	SUBTOTAL					-	
284							
285	TOTAL - SPECIAL CONSTRUCTION						

F20 SELECTIVE BUILDING DEMOLITION

290	F2010 BUILDING ELEMENTS DEMOLITION						
291	Remove roofing	73,464	sf	2.00	ETR		
292	Interior demolition	73,464	gsf	5.00	367,320		



PDP Report

GFA 73,464

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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CODE UPGRADES RENOVATION - OPTION 1 (grade 6-8)

293	Temporary enclosures/protection	73,464	sf	2.00	146,928		
294	SUBTOTAL					514,248	

F2020 HAZARDOUS COMPONENTS ABATEMENT

297	See summary						
298	SUBTOTAL						

300	TOTAL - SELECTIVE BUILDING DEMOLITION						\$514,248
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301



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 2a + 2b RENOVATION				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$25,000			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$47,136	\$72,136	\$2.91	1.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$0			
B1020 Roof Construction	\$143,785	\$143,785	\$5.81	2.1%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$390,227			
B2020 Windows/Curtainwall	\$607,556			
B2030 Exterior Doors	\$42,304	\$1,040,087	\$42.01	14.9%
B30 ROOFING				
B3010 Roof Coverings	\$544,654			
B3020 Roof Openings	\$6,000	\$550,654	\$22.24	7.9%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$396,112			
C1020 Interior Doors	\$148,785			
C1030 Specialties/Millwork	\$171,403	\$716,300	\$28.93	10.3%
C20 STAIRCASES				
C2010 Stair Construction	\$0			
C2020 Stair Finishes	\$0	\$0	\$0.00	0.0%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$198,056			
C3020 Floor Finishes	\$297,084			
C3030 Ceiling Finishes	\$272,327	\$767,467	\$31.00	11.0%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$0	\$0	\$0.00	0.0%
D20 PLUMBING				
D20 Plumbing	\$325,555	\$325,555	\$13.15	4.7%
D30 HVAC				
D30 HVAC	\$1,237,850	\$1,237,850	\$50.00	17.7%
D40 FIRE PROTECTION				
D40 Fire Protection	\$123,785	\$123,785	\$5.00	1.8%
D50 ELECTRICAL				
D5010 Electrical Systems	\$922,297	\$922,297	\$37.25	13.2%
E10 EQUIPMENT				
E10 Equipment	\$350,000	\$350,000	\$14.14	5.0%



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 2a + 2b RENOVATION				
E20 FURNISHINGS				
E2010 Fixed Furnishings	\$284,061			
E2020 Movable Furnishings	NIC	\$284,061	\$11.47	4.1%
F10 SPECIAL CONSTRUCTION				
F10 Special Construction	\$0	\$0	\$0.00	0.0%
F20 SELECTIVE BUILDING DEMOLITION				
F2010 Building Elements Demolition	\$442,355			
F2020 Hazardous Components Abatement	\$0	\$442,355	\$17.87	6.3%
TOTAL DIRECT COST (Trade Costs)		\$6,976,332	\$281.79	100.0%



PDP Report

GFA 24,757

DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a + 2b RENOVATION

GROSS FLOOR AREA CALCULATION

Level 1 24,757

TOTAL GROSS FLOOR AREA (GFA)					24,757 sf	
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

Allowance for foundation repair	1	ls	25,000.00	25,000		
SUBTOTAL						25,000

A1020 SPECIAL FOUNDATIONS

No work in this section
 SUBTOTAL

A1030 LOWEST FLOOR CONSTRUCTION

Cut and patch existing slab for new plumbing	24,757	sf	1.50	37,136		
Equipment pads	1	ls	10,000.00	10,000		
SUBTOTAL						47,136

TOTAL - FOUNDATIONS						\$72,136
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B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

No work in this section
 SUBTOTAL -

B1020 ROOF CONSTRUCTION

New lateral Bracing to roofs for new RTU;s	24,757	sf	5.00	123,785		
Allowance for dunnage	1	ls	20,000.00	20,000		
SUBTOTAL						143,785

TOTAL - SUPERSTRUCTURE						\$143,785
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B20 EXTERIOR CLOSURE

B2010 EXTERIOR WALLS - solid assumed 60%

Allowance to patch and repair existing exterior wall to remain	1,953	sf				
	5,866	sf	40.00	234,640		

New exterior closure at demolished wings

New brick exterior wall - 80%	1,562	sf	40.00	62,480		
New metal panel - 20%	391	sf	75.00	29,325		
6" LGMF	1,953	sf	10.00	19,530		
Batt insulation in cavity	1,562	sf	3.00	4,686		
Rigid insulation; 2" thick	1,953	sf	2.50	4,883		
Air and Vapor barrier	1,953	sf	7.00	13,671		
Exterior sheathing	1,953	sf	3.00	5,859		
Interior GWB	1,562	sf	3.20	4,998		
Misc. metals at masonry	1,562	sf	1.50	2,343		
Staging	1,953	sf	4.00	7,812		
SUBTOTAL						390,227

B2020 WINDOWS/CURTAINWALL

Exterior Wall Area - Glazed Assume 40%	1,302	sf				
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PDP Report

GFA

24,757

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 2a + 2b RENOVATION								
60	061000 ROUGH CARPENTRY							
61	Wood blocking at openings	766	lf	12.00	9,192			
62								
63	070001 WATERPROOFING, DAMPPROOFING AND CAULKING							
64	Backer rod & double sealant	766	lf	9.00	6,894			
65								
66	080001 METAL WINDOWS							
67	Windows, replace existing	3,911	sf	100.00	391,100			
68	New exterior closure at demolished wings							
69	Windows, 60% of glazed area	781	sf	100.00	78,100			
70	Curtainwall, double glazed; 40% of glazed area	521	sf	120.00	62,520			
71	Sunshades; horizontal	1	ls	50,000.00	50,000			
72								
73	089000 LOUVERS							
74	Louvers	150	sf	65.00	9,750			
75	SUBTOTAL					607,556		
76								
77	B2030 EXTERIOR DOORS							
78	Replace exterior glazed door, double	4	pr	8,000.00	32,000			
79	Replace exterior glazed door, single	2	ea	4,000.00	8,000			
80	Backer rod & double sealant	192	lf	9.00	1,728			
81	Wood blocking at openings	192	lf	3.00	576			
82	SUBTOTAL					42,304		
83								
84	TOTAL - EXTERIOR CLOSURE						\$1,040,087	
85								
86								
87	B30 ROOFING							
88								
89	B3010 ROOF COVERINGS							
90	Replace existing roofing systems, EPDM	24,757	sf	22.00	544,654			
91	SUBTOTAL					544,654		
92								
93	B3020 ROOF OPENINGS							
94	Replace roof hatches	2	ea	3,000.00	6,000			
95	SUBTOTAL					6,000		
96								
97	TOTAL - ROOFING						\$550,654	
98								
99								
100	C10 INTERIOR CONSTRUCTION							
101								
102	C1010 PARTITIONS							
103	Anchor the top of all masonry partitions to the underside of the floor or structure above	24,757	gsf	6.00	148,542			
104	Work to existing partitions	24,757	gsf	10.00	247,570			
105	SUBTOTAL					396,112		
106								
107	C1020 INTERIOR DOORS							
108	Replace existing doors and hardware	24,757	gsf	5.00	123,785			
109	Modify existing door openings for ADA clearances	1	ls	25,000.00	25,000			
110	SUBTOTAL					148,785		
111								
112								
113	C1030 SPECIALTIES / MILLWORK							
114	Toilet Partitions and accessories	24,757	gsf	0.80	19,806			
115	Lockers, full height	24,757	gsf	1.50	37,136			
116	Administration desk	1	ls	14,000.00	14,000			
117	Media center desk	1	ls	20,000.00	20,000			
118								



PDP Report

GFA 24,757

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 2a + 2b RENOVATION								
119	055000 MISCELLANEOUS METALS							
120	Miscellaneous metals throughout building	24,757	sf	1.00	24,757			
121								
122	061000 ROUGH CARPENTRY							
123	Rough blocking	24,757	sf	0.50	12,379			
124								
125	070001 WATERPROOFING, DAMPPROOFING AND CAULKING							
126	Miscellaneous sealants throughout building	24,757	sf	1.50	37,136			
127								
128	101400 SIGNAGE							
129	Code compliant signage	24,757	sf	0.25	6,189			
130	SUBTOTAL					171,403		
131								
132	TOTAL - INTERIOR CONSTRUCTION							\$716,300
133								
134								
135	C20 STAIRCASES							
136								
137	C2010 STAIR CONSTRUCTION							
138	No work to existing stairs							
139	SUBTOTAL					-		
140								
141	C2020 STAIR FINISHES							
142	No work to existing stairs							
143	SUBTOTAL					-		
144								
145	TOTAL - STAIRCASES							
146								
147								
148	C30 INTERIOR FINISHES							
149								
150	C3010 WALL FINISHES							
151	Painting/wall finishes	24,757	gsf	8.00	198,056			
152	SUBTOTAL					198,056		
153								
154	C3020 FLOOR FINISHES							
155	Allowance to replace floor finishes including	24,757	sf	12.00	297,084			
156	patching/leveling existing							
157	SUBTOTAL					297,084		
158								
159	C3030 CEILING FINISHES							
160	Replace existing ceilings	24,757	sf	11.00	272,327			
161	SUBTOTAL					272,327		
162								
163	TOTAL - INTERIOR FINISHES							\$767,467
164								
165								
166	D10 CONVEYING SYSTEMS							
167								
168	D1010 ELEVATOR							
169	No work required							
170	SUBTOTAL					-		
171								
172	TOTAL - CONVEYING SYSTEMS							
173								
174								
175	D20 PLUMBING							
176								
177	D20 PLUMBING, GENERALLY							
178	Plumbing; Renovation	24,757	sf	12.75	315,652			
179	Demo existing plumbing	24,757	sf	0.40	9,903			



PDP Report

GFA 24,757

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a + 2b RENOVATION

SUBTOTAL 325,555

TOTAL - PLUMBING \$325,555

D30 HVAC

D30 HVAC, GENERALLY							
HVAC General; Chilled beam full AC	24,757	sf	49.00	1,213,093			
Demo existing HVAC	24,757	sf	1.00	24,757			
SUBTOTAL						1,237,850	

TOTAL - HVAC \$1,237,850

D40 FIRE PROTECTION

D40 FIRE PROTECTION, GENERALLY							
Fire Protection	24,757	sf	5.00	123,785			
SUBTOTAL						123,785	

TOTAL - FIRE PROTECTION \$123,785

D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

<u>Normal Power</u>							
Normal power panelboards and feeders	24,757	sf	5.00	123,785			
Emergency power panelboards and feeders	24,757	sf	3.00	74,271			
<u>Equipment wiring feed and connection</u>							
Equipment wiring feed and connection	24,757	sf	2.00	\$49,514			
SUBTOTAL						247,570	

D5020 LIGHTING & POWER

LED lighting allowance	24,757	sf	5.50	136,164			
Exit lighting	24,757	sf	0.25	6,189			
<u>Lighting controls</u>							
Automated lighting controls system	24,757	sf	1.25	30,946			
<u>Branch devices</u>							
Branch devices	24,757	sf	0.50	12,379			
<u>Lighting and branch circuitry</u>							
Branch circuitry	24,757	sf	5.00	123,785			
SUBTOTAL						309,463	

D5030 COMMUNICATION & SECURITY SYSTEMS

<u>Fire Alarm</u>							
New FA system	24,757	sf	3.00	74,271			
<u>Telephone/Data/CATV</u>							
Fit-Out Closets, devices and cabling	24,757	sf	3.00	74,271			
Rough-in	24,757	sf	1.00	24,757			
<u>Clock/PA System</u>							
Clock/PA System	24,757	sf	1.00	24,757			
Classroom speech reinforcement	24,757	sf	1.50	37,136			
<u>Cafeteria</u>							
Sound system	1	ls	10,000.00	10,000			
<u>AV</u>							
AV equipment provided by others					By Others		
Rough-in only	24,757	sf	1.00	24,757			



PDP Report

GFA

24,757

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 2a + 2b RENOVATION								
238	<u>Security System</u>							
239	Security System	24,757	sf	2.50	61,893			
240	SUBTOTAL					331,842		
241								
242	D5040 OTHER ELECTRICAL SYSTEMS							
243	<u>Miscellaneous</u>							
244	Demolition work	24,757	sf	0.75	18,568			
245	Temporary power	24,757	sf	0.35	8,665			
246	Fees & Permits	24,757	sf	0.25	6,189			
247	SUBTOTAL					33,422		
248								
249								
250	TOTAL - ELECTRICAL						\$922,297	
251								
252								
253	E10 EQUIPMENT							
254								
255	E10 EQUIPMENT, GENERALLY							
256	Food Service equipment	1	ls	350,000.00	350,000			
257	SUBTOTAL					350,000		
258								
259	TOTAL - EQUIPMENT						\$350,000	
260								
261								
262	E20 FURNISHINGS							
263								
264	E2010 FIXED FURNISHINGS							
265	Window blinds	5,213	sf	7.00	36,491			
266	Casework allowance	24,757	gsf	10.00	247,570			
267	SUBTOTAL					284,061		
268								
269	E2020 MOVABLE FURNISHINGS							
270	All movable furnishings to be provided and installed by owner							
271	SUBTOTAL					NIC		
272								
273	TOTAL - FURNISHINGS						\$284,061	
274								
275								
276	F10 SPECIAL CONSTRUCTION							
277								
278	F10 SPECIAL CONSTRUCTION							
279	SUBTOTAL					-		
280								
281	TOTAL - SPECIAL CONSTRUCTION							
282								
283								
284	F20 SELECTIVE BUILDING DEMOLITION							
285								
286	F2010 BUILDING ELEMENTS DEMOLITION							
287	Remove exterior windows	3,911	sf	12.00	46,932			
288	Remove exterior closure for new connections	3,255	sf	15.00	48,825			
289	Remove roofing	24,757	sf	2.00	49,514			
290	Interior demolition	24,757	gsf	10.00	247,570			
291	Temporary enclosures/protection	24,757	sf	2.00	49,514			
292	SUBTOTAL					442,355		
293								
294	F2020 HAZARDOUS COMPONENTS ABATEMENT							
295	See summary							
296	SUBTOTAL							
297								
298	TOTAL - SELECTIVE BUILDING DEMOLITION						\$442,355	



Leicester MS School
Design Options
Leicester, MA

08-Apr-19

PDP Report

GFA

24,757

	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT</i>	<i>UNIT COST</i>	<i>EST'D COST</i>	<i>SUB TOTAL</i>	<i>TOTAL COST</i>
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OPTION 2a + 2b RENOVATION

299



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 2a NEW ADDITION				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$613,862			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$399,574	\$1,013,436	\$14.49	4.7%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$1,307,994			
B1020 Roof Construction	\$1,356,185	\$2,664,179	\$38.08	12.4%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$1,719,887			
B2020 Windows	\$1,690,777			
B2030 Exterior Doors	\$41,368	\$3,452,032	\$49.34	16.0%
B30 ROOFING				
B3010 Roof Coverings	\$1,070,580			
B3020 Roof Openings	\$32,500	\$1,103,080	\$15.77	5.1%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$1,539,098			
C1020 Interior Doors	\$349,795			
C1030 Specialties/Millwork	\$614,522	\$2,503,415	\$35.78	11.6%
C20 STAIRCASES				
C2010 Stair Construction	\$111,000			
C2020 Stair Finishes	\$18,862	\$129,862	\$1.86	0.6%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$559,672			
C3020 Floor Finishes	\$629,631			
C3030 Ceiling Finishes	\$769,549	\$1,958,852	\$28.00	9.1%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$280,000	\$280,000	\$4.00	1.3%
D20 PLUMBING				
D20 Plumbing	\$1,049,385	\$1,049,385	\$15.00	4.9%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 2a NEW ADDITION					
D30 HVAC					
D30 HVAC		\$3,427,991	\$3,427,991	\$49.00	15.9%
D40 FIRE PROTECTION					
D40 Fire Protection		\$349,795	\$349,795	\$5.00	1.6%
D50 ELECTRICAL					
D5010 Complete System		\$2,585,513	\$2,585,513	\$36.96	12.0%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$3.07	1.0%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$818,027			
E2020 Movable Furnishings		NIC	\$818,027	\$11.69	3.8%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$21,550,567	\$308.05	100.0%



PDP Report

GFA 69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a NEW ADDITION

GROSS FLOOR AREA CALCULATION

First Floor	38,090
Second Floor	31,869

TOTAL GROSS FLOOR AREA (GFA)	69,959 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	104	CY
Foundation Walls	164	CY
Spread Footings	229	CY
Piers	20	CY
Total Foundation Concrete	517	CY

Strip footings

Formwork	1,790	sf	11.00	19,690
Re-bar	10,740	lbs.	1.20	12,888
Concrete material; 3,000 psi	104	cy	130.00	13,520
Placing concrete	104	cy	70.00	7,280

Foundation walls

Formwork	5,370	sf	16.00	85,920
Re-bar	13,425	lbs.	1.20	16,110
Concrete material; 3,000 psi	164	cy	130.00	21,320
Placing concrete	164	cy	70.00	11,480
Form shelf	895	lf	10.00	8,950

Spread Footings

Formwork	3,744	sf	15.00	56,160
Re-bar	29,770	lbs.	1.20	35,724
Concrete material; 3,000 psi	229	cy	130.00	29,770
Placing concrete	229	cy	70.00	16,030
Set anchor bolts grout plates	78	ea	150.00	11,700

Piers/Pilasters

Formwork	1,404	sf	18.00	25,272
Re-bar	3,200	lbs	1.20	3,840
Concrete material; 3,000 psi	20	cy	130.00	2,600
Placing concrete	20	cy	80.00	1,600

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	2,685	sf	3.00	8,055
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312000 EARTHWORK

Strip footings

Excavation	829	cy	15.00	12,435
Remove off site	268	cy	12.00	3,216
Backfill with imported material	561	cy	30.00	16,830

Spread footings

Excavation	924	cy	16.00	14,784
Remove off site	229	cy	12.00	2,748
Backfill with imported material	695	cy	30.00	20,850

Miscellaneous

Foundations against existing building	268	lf	300.00	80,400
Perimeter drain	895	lf	22.00	19,690



PDP Report

GFA

69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a NEW ADDITION

60	Underslab E&B for plumbing	1	ls	30,000.00	30,000		
61	Dewatering for foundation work	1	ls	25,000.00	25,000		
62	SUBTOTAL					613,862	

A1020 SPECIAL FOUNDATIONS

No work in this section

SUBTOTAL

-

A1030 LOWEST FLOOR CONSTRUCTION

New Slab on grade, 5" thick

70	Gravel fill, 12"	945	cy	40.00	37,800		
71	Rigid insulation; 2ft at perimeter	1,790	sf	2.25	4,028		
72	Vapor barrier	38,090	sf	0.75	28,568		
73	Compact existing sub-grade	38,090	sf	0.50	19,045		
74	Mesh reinforcing 15% lap	43,804	sf	1.10	48,184		
75	Concrete - 5" thick; 4,000 psi	622	cy	135.00	83,970		
76	Placing concrete	622	cy	45.00	27,990		
77	Finishing and curing concrete	38,090	sf	2.00	76,180		
78	Control joints - saw cut	38,090	sf	0.10	3,809		
79	<u>Miscellaneous</u>						
80	Elevator pit	2	loc	35,000.00	70,000		
81	SUBTOTAL					399,574	

TOTAL - FOUNDATIONS

\$1,013,436

A20 BASEMENT CONSTRUCTION

A2010 BASEMENT EXCAVATION

No Work in this section

SUBTOTAL

-

A2020 BASEMENT WALLS

No Work in this section

SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

100		13.01	lbs/sf		-		
101	B1010 FLOOR CONSTRUCTION	455	tns		-		
102	<u>Floor Structure - Steel:</u>						
103	Steel beams and columns, 13#/SF	207	tns	4,000.00	828,000		
104	Premium for HSS	52	tns	300.00	15,600		
105	Shear studs	6,374	ea	2.50	15,935		
106	<u>Floor Structure</u>						
107	2" 18 Ga. Metal galvanized floor Deck	31,869	sf	4.00	127,476		
108	WWF reinforcement	36,649	sf	1.10	40,314		
109	Concrete Fill to metal deck; 5-1/4" Light Weight	542	cy	175.00	94,850		
110	Place and finish concrete	31,869	sf	2.00	63,738		
111	Rebar to decks	9,561	lbs	1.20	11,473		
112	Misc. angles	31,869	sf	0.50	15,935		
113	<u>Miscellaneous</u>						
114	Fire proofing to columns and beams	31,869	sf	2.50	79,673		



PDP Report

GFA

69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a NEW ADDITION

115	Fire stopping floors	1	ls	15,000.00	15,000		
116	SUBTOTAL					1,307,994	

B1020 ROOF CONSTRUCTION

Roof Structure - Steel:

120	Steel beams and columns, 13#/SF	248	tns	4,000.00	992,000		
121	Premium for HSS	62	tns	300.00	18,600		
122	<u>Roof Structure</u>						
123	1-1/2" 20 Ga. galvanized Metal Roof Deck	38,090	sf	3.50	133,315		
124	Premium for acoustic deck at gym	7,200	sf	5.50	39,600		
125	<u>Miscellaneous</u>						
126	Concrete at roof, allow	10,000	sf	8.00	80,000		
127	Fire proofing to columns, beams and deck	30,890	sf	3.00	92,670		
128	SUBTOTAL					1,356,185	

TOTAL - SUPERSTRUCTURE

\$2,664,179

B20 EXTERIOR CLOSURE

B2010 EXTERIOR WALLS

Exterior Wall Area - Solid Assume 60%

19,486 sf

042000 MASONRY

New brick exterior wall - 80%

15,589 sf 40.00 623,560

Staging to exterior wall

32,477 sf 4.00 129,908

055000 MISC. METALS

Stainless steel sign at main entrance

1 ls 10,000.00 10,000

Misc. metals at masonry

15,589 sf 1.50 23,384

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Air barrier

19,486 sf 7.00 136,402

Air barrier/flashing at windows

7,642 lf 6.25 47,763

Miscellaneous sealants to closure

19,486 sf 1.00 19,486

072100 THERMAL INSULATION

Insulation

19,486 sf 2.25 43,844

076400 CLADDING

Metal panel; 20% of solid area

3,897 sf 75.00 292,275

Roof equipment screen

1 ls 100,000.00 100,000

092900 GYPSUM BOARD ASSEMBLIES

6" metal stud backup

19,486 sf 9.00 175,374

Gypsum Sheathing

19,486 sf 2.75 53,587

Drywall lining to interior face of stud backup

19,486 sf 3.30 64,304

SUBTOTAL

1,719,887

B2020 WINDOWS

Exterior Wall Area - Glazed Assume 40%

12,991 sf

061000 ROUGH CARPENTRY

Wood blocking at openings

7,642 lf 12.00 91,704

070001 WATERPROOFING, DAMPPROOFING AND CAULKING



PDP Report

GFA 69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 2a NEW ADDITION								
172	Backer rod & double sealant	7,642	lf	9.00	68,778			
173								
174	080001 METAL WINDOWS							
175	Windows, double glazed; 60% of glazed area	7,795	sf	95.00	740,525			
176	Curtainwall, double glazed; 40% of glazed area	5,196	sf	120.00	623,520			
177	Sunshades; horizontal	1	ls	150,000.00	150,000			
178								
179	089000 LOUVERS							
180	Louvers	250	sf	65.00	16,250			
181	SUBTOTAL					1,690,777		
182								
183	B2030 EXTERIOR DOORS							
184	Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000			
185	Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000			
186	Backer rod & double sealant	114	lf	9.00	1,026			
187	Wood blocking at openings	114	lf	3.00	342			
188	SUBTOTAL					41,368		
189								
190	TOTAL - EXTERIOR CLOSURE						\$3,452,032	
191								
192								
193	B30 ROOFING							
194								
195	B3010 ROOF COVERINGS							
196	Roofing complete	38,090	sf	22.00	837,980			
197	Fascia/soffits	1,163	lf	200.00	232,600			
198	SUBTOTAL					1,070,580		
199								
200	B3020 ROOF OPENINGS							
201	Skylights, allow	1	ls	30,000.00	30,000			
202	Roof hatch	1	loc	2,500.00	2,500			
203	SUBTOTAL					32,500		
204								
205	TOTAL - ROOFING						\$1,103,080	
206								
207								
208	C10 INTERIOR CONSTRUCTION							
209								
210	C1010 PARTITIONS							
211	Miscellaneous partitions - glazing, GWB assemblies, etc.	69,959	gsf	22.00	1,539,098			
212	SUBTOTAL					1,539,098		
213								
214	C1020 INTERIOR DOORS							
215	Doors; complete	69,959	gsf	5.00	349,795			
216	SUBTOTAL					349,795		
217								
218	C1030 SPECIALTIES / MILLWORK							
219	Toilet Partitions and accessories	69,959	gsf	0.80	55,967			
220	Backer panels in electrical closets	1	ls	1,000.00	1,000			
221	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	69,959	sf	1.00	69,959			
222	Window sill; Solid surface	2,547	lf	50.00	127,350			
223	Room Signs	69,959	gsf	0.40	27,984			
224	Fire extinguisher cabinets	23	ea	350.00	8,050			
225	Lockers	69,959	gsf	1.60	111,934			
226	Janitors Work Shop Accessories	1	ls	1,500.00	1,500			
227	Janitors Closet Accessories	3	rms	300.00	900			
228								



PDP Report

GFA 69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a NEW ADDITION

229	Display cases	69,959	gsf	0.25	17,490			
230	Miscellaneous metals throughout building	69,959	sf	1.50	104,939			
231	Miscellaneous sealants throughout building	69,959	sf	1.25	87,449			
232	SUBTOTAL					614,522		
234	TOTAL - INTERIOR CONSTRUCTION							\$2,503,415

C20 STAIRCASES

239	C2010 STAIR CONSTRUCTION							
240	Metal pan stair	3	flt	35,000.00	105,000			
241	Concrete fill to stairs	3	flt	2,000.00	6,000			
242	SUBTOTAL					111,000		
244	C2020 STAIR FINISHES							
245	High performance coating to stairs including all railings etc.	3	flt	3,000.00	9,000			
246	Rubber tile at stairs - landings	300	sf	10.00	3,000			
247	Rubber tile at stairs - treads & risers	360	lft	19.06	6,862			
248	SUBTOTAL					18,862		
250	TOTAL - STAIRCASES							\$129,862

C30 INTERIOR FINISHES

255	C3010 WALL FINISHES							
256	Wall finishes	69,959	sf	8.00	559,672			
257	SUBTOTAL					559,672		
259	C3020 FLOOR FINISHES							
260	Floor finishes	69,959	sf	9.00	629,631			
261	SUBTOTAL					629,631		
263	C3030 CEILING FINISHES							
264	Ceiling finishes	69,959	sf	11.00	769,549			
265	SUBTOTAL					769,549		
267	TOTAL - INTERIOR FINISHES							\$1,958,852

D10 CONVEYING SYSTEMS

272	D1010 ELEVATOR							
273	New two stop elevator	2	ea	140,000.00	280,000			
274	SUBTOTAL					280,000		
276	TOTAL - CONVEYING SYSTEMS							\$280,000

D20 PLUMBING

281	D20 PLUMBING, GENERALLY							
282	Plumbing;	69,959	sf	15.00	1,049,385			
283	SUBTOTAL					1,049,385		
285	TOTAL - PLUMBING							\$1,049,385

D30 HVAC

290	D30 HVAC, GENERALLY						
291	HVAC General; Chilled beam full AC	69,959	sf	49.00	3,427,991		
292	SUBTOTAL					3,427,991	



PDP Report

GFA 69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2a NEW ADDITION

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TOTAL - HVAC							\$3,427,991
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D40 FIRE PROTECTION

D40 FIRE PROTECTION, GENERALLY						
Fire Protection (no fire pump req'd)	69,959	sf	5.00	349,795		
SUBTOTAL						349,795

TOTAL - FIRE PROTECTION							\$349,795
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

<u>Normal Power</u>						
Normal power panelboards and feeders	69,959	sf	5.00	349,795		
Emergency power panelboards and feeders	69,959	sf	3.00	209,877		
<u>Equipment wiring feed and connection</u>						
Equipment wiring feed and connection	69,959	sf	2.00	\$139,918		
SUBTOTAL						699,590

D5020 LIGHTING & POWER

LED lighting allowance	69,959	sf	5.50	384,775		
Exit lighting	69,959	sf	0.25	17,490		
<u>Lighting controls</u>						
Automated lighting controls system	69,959	sf	1.50	104,939		
<u>Branch devices</u>						
Branch devices	69,959	sf	0.50	34,980		
<u>Lighting and branch circuitry</u>						
Branch circuitry	69,959	sf	5.00	349,795		
SUBTOTAL						891,979

D5030 COMMUNICATION & SECURITY SYSTEMS

<u>Fire Alarm</u>						
New FA system	69,959	sf	3.00	209,877		
<u>Telephone/Data/CATV</u>						
Fit-Out Closets, devices and cabling	69,959	sf	3.00	209,877		
Rough-in	69,959	sf	1.00	69,959		
<u>Clock/PA System</u>						
Clock/PA System	69,959	sf	1.00	69,959		
Classroom speech reinforcement	69,959	sf	1.50	104,939		
<u>Gymnasium</u>						
Stage lighting and dimming system	1	ls	25,000.00	25,000		
Sound system	1	ls	10,000.00	10,000		
Score board	1	ls	7,500.00	7,500		
<u>AV</u>						
AV equipment provided by others					By Others	
Rough-in only	69,959	sf	1.00	69,959		
<u>Security System</u>						
Security System	69,959	sf	2.50	174,898		
SUBTOTAL						951,968

D5040 OTHER ELECTRICAL SYSTEMS

<u>Miscellaneous</u>						
Temporary power	69,959	sf	0.35	24,486		



PDP Report

GFA

69,959

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2a NEW ADDITION							
349	Fees & Permits	69,959	sf	0.25	17,490		
350	SUBTOTAL					41,976	
TOTAL - ELECTRICAL							\$2,585,513
E10 EQUIPMENT							
357	E10 EQUIPMENT, GENERALLY						
358	Kiln	1	ea	5,000.00	5,000		
359	Electrically operated projection screens	1	loc	15,000.00	15,000		
360	Gym wall pads	1	ls	20,000.00	20,000		
361	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000		
362	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000		
363	Volleyball net and standards	1	ls	5,000.00	5,000		
364	Telescoping bleachers	1	ls	60,000.00	60,000		
365	SUBTOTAL					215,000	
TOTAL - EQUIPMENT							\$215,000
E20 FURNISHINGS							
372	E2010 FIXED FURNISHINGS						
373	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500		
374	Window blinds	12,991	sf	7.00	90,937		
375	Counters, base cabinets, tall storage in classrooms and other rooms	69,959	gsf	10.00	699,590		
376	SUBTOTAL					818,027	
378	E2020 MOVABLE FURNISHINGS						
379	All movable furnishings to be provided and installed by owner						
380	SUBTOTAL						NIC
TOTAL - FURNISHINGS							\$818,027
F10 SPECIAL CONSTRUCTION							
387	F10 SPECIAL CONSTRUCTION						
388	No items in this section						
389	SUBTOTAL						
TOTAL - SPECIAL CONSTRUCTION							
F20 SELECTIVE BUILDING DEMOLITION							
396	F2010 BUILDING ELEMENTS DEMOLITION						
397	No items in this section						
398	SUBTOTAL						
400	F2020 HAZARDOUS COMPONENTS ABATEMENT						
401	See main summary for HazMat allowance				See Summary		
402	SUBTOTAL						
TOTAL - SELECTIVE BUILDING DEMOLITION							



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 2b NEW ADDITION				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$787,122			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$582,234	\$1,369,356	\$11.98	4.1%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$2,254,999			
B1020 Roof Construction	\$2,051,847	\$4,306,846	\$37.69	12.8%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$2,600,452			
B2020 Windows	\$2,477,274			
B2030 Exterior Doors	\$41,368	\$5,119,094	\$44.80	15.2%
B30 ROOFING				
B3010 Roof Coverings	\$1,615,036			
B3020 Roof Openings	\$32,500	\$1,647,536	\$14.42	4.9%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$2,513,874			
C1020 Interior Doors	\$571,335			
C1030 Specialties/Millwork	\$986,767	\$4,071,976	\$35.64	12.1%
C20 STAIRCASES				
C2010 Stair Construction	\$148,000			
C2020 Stair Finishes	\$25,149	\$173,149	\$1.52	0.5%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$914,136			
C3020 Floor Finishes	\$1,028,403			
C3030 Ceiling Finishes	\$1,256,937	\$3,199,476	\$28.00	9.5%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$280,000	\$280,000	\$2.45	0.8%
D20 PLUMBING				
D20 Plumbing	\$1,714,005	\$1,714,005	\$15.00	5.1%



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 2b NEW ADDITION				
D30 HVAC				
D30 HVAC	\$5,599,083	\$5,599,083	\$49.00	16.6%
D40 FIRE PROTECTION				
D40 Fire Protection	\$571,335	\$571,335	\$5.00	1.7%
D50 ELECTRICAL				
D5010 Complete System	\$4,196,108	\$4,196,108	\$36.72	12.4%
E10 EQUIPMENT				
E10 Equipment	\$215,000	\$215,000	\$1.88	0.6%
E20 FURNISHINGS				
E2010 Fixed Furnishings	\$1,308,021			
E2020 Movable Furnishings	NIC	\$1,308,021	\$11.45	3.9%
F10 SPECIAL CONSTRUCTION				
F10 Special Construction	\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS				
F2010 Building Elements Demolition	\$0			
F2020 Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)		\$33,770,985	\$295.54	100.0%



PDP Report

GFA

114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2b NEW ADDITION

GROSS FLOOR AREA CALCULATION

First Floor	59,238
Second Floor	55,029

TOTAL GROSS FLOOR AREA (GFA)	114,267 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	151	CY
Foundation Walls	237	CY
Spread Footings	290	CY
Piers	25	CY
Total Foundation Concrete	703	CY

Strip footings

Formwork	2,582	sf	11.00	28,402
Re-bar	15,492	lbs.	1.20	18,590
Concrete material; 3,000 psi	151	cy	130.00	19,630
Placing concrete	151	cy	70.00	10,570

Foundation walls

Formwork	7,746	sf	16.00	123,936
Re-bar	19,365	lbs.	1.20	23,238
Concrete material; 3,000 psi	237	cy	130.00	30,810
Placing concrete	237	cy	70.00	16,590
Form shelf	1,291	lf	10.00	12,910

Spread Footings

Formwork	4,752	sf	15.00	71,280
Re-bar	37,700	lbs.	1.20	45,240
Concrete material; 3,000 psi	290	cy	130.00	37,700
Placing concrete	290	cy	70.00	20,300
Set anchor bolts grout plates	99	ea	150.00	14,850

Piers/Pilasters

Formwork	1,782	sf	18.00	32,076
Re-bar	4,000	lbs	1.20	4,800
Concrete material; 3,000 psi	25	cy	130.00	3,250
Placing concrete	25	cy	80.00	2,000

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	3,873	sf	3.00	11,619
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312000 EARTHWORK

Strip footings

Excavation	1,195	cy	15.00	17,925
Remove off site	388	cy	12.00	4,656
Backfill with imported material	807	cy	30.00	24,210

Spread footings

Excavation	1,173	cy	16.00	18,768
Remove off site	290	cy	12.00	3,480
Backfill with imported material	883	cy	30.00	26,490

Miscellaneous

Foundations against existing building	268	lf	300.00	80,400
Perimeter drain	1,291	lf	22.00	28,402



PDP Report

GFA

114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 2b NEW ADDITION								
60	Underslab E&B for plumbing	1	ls	30,000.00	30,000			
61	Dewatering for foundation work	1	ls	25,000.00	25,000			
62	SUBTOTAL					787,122		
63								
64	A1020 SPECIAL FOUNDATIONS							
65	No work in this section							
66	SUBTOTAL					-		
67								
68	A1030 LOWEST FLOOR CONSTRUCTION							
69	<u>New Slab on grade, 5" thick</u>							
70	Gravel fill, 12"	1,470	cy	40.00	58,800			
71	Rigid insulation; 2ft at perimeter	2,582	sf	2.25	5,810			
72	Vapor barrier	59,238	sf	0.75	44,429			
73	Compact existing sub-grade	59,238	sf	0.50	29,619			
74	Mesh reinforcing 15% lap	68,124	sf	1.10	74,936			
75	Concrete - 5" thick; 4,000 psi	968	cy	135.00	130,680			
76	Placing concrete	968	cy	45.00	43,560			
77	Finishing and curing concrete	59,238	sf	2.00	118,476			
78	Control joints - saw cut	59,238	sf	0.10	5,924			
79	<u>Miscellaneous</u>							
80	Elevator pit	2	loc	35,000.00	70,000			
81	SUBTOTAL					582,234		
82								
83	TOTAL - FOUNDATIONS							\$1,369,356
84								
85								
86	A20 BASEMENT CONSTRUCTION							
87								
88	A2010 BASEMENT EXCAVATION							
89	No Work in this section							
90	SUBTOTAL					-		
91								
92	A2020 BASEMENT WALLS							
93	No Work in this section							
94	SUBTOTAL					-		
95								
96	TOTAL - BASEMENT CONSTRUCTION							
97								
98								
99	B10 SUPERSTRUCTURE							
100		13.00	lbs/sf			-		
101	B1010 FLOOR CONSTRUCTION	743	tns			-		
102	<u>Floor Structure - Steel:</u>							
103	Steel beams and columns, 13#/SF	358	tns	4,000.00	1,432,000			
104	Premium for HSS	90	tns	300.00	27,000			
105	Shear studs	11,006	ea	2.50	27,515			
106	<u>Floor Structure</u>							
107	2" 18 Ga. Metal galvanized floor Deck	55,029	sf	4.00	220,116			
108	WWF reinforcement	63,283	sf	1.10	69,611			
109	Concrete Fill to metal deck; 5-1/4" Light Weight	936	cy	175.00	163,800			
110	Place and finish concrete	55,029	sf	2.00	110,058			
111	Rebar to decks	16,509	lbs	1.20	19,811			
112	Misc. angles	55,029	sf	0.50	27,515			
113	<u>Miscellaneous</u>							
114	Fire proofing to columns and beams	55,029	sf	2.50	137,573			



PDP Report

GFA

114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2b NEW ADDITION

115	Fire stopping floors	1	ls	20,000.00	20,000			
116	SUBTOTAL					2,254,999		
117								
118	B1020 ROOF CONSTRUCTION							
119	<u>Roof Structure - Steel:</u>							
120	Steel beams and columns, 13#/SF	385	tns	4,000.00	1,540,000			
121	Premium for HSS	96	tns	300.00	28,800			
122	<u>Roof Structure</u>							
123	1-1/2" 20 Ga. galvanized Metal Roof Deck	59,238	sf	3.50	207,333			
124	Premium for acoustic deck at gym	7,200	sf	5.50	39,600			
125	<u>Miscellaneous</u>							
126	Concrete at roof, allow	10,000	sf	8.00	80,000			
127	Fire proofing to columns, beams and deck	52,038	sf	3.00	156,114			
128	SUBTOTAL					2,051,847		
129								
130	TOTAL - SUPERSTRUCTURE							\$4,306,846

B20 EXTERIOR CLOSURE

134	B2010 EXTERIOR WALLS						
135	Exterior Wall Area - Solid Assume 60%	29,539	sf				
136							
137	<i>042000 MASONRY</i>						
138							
139	New brick exterior wall - 80%	23,631	sf	40.00	945,240		
140	Staging to exterior wall	49,232	sf	4.00	196,928		
141							
142	<i>055000 MISC. METALS</i>						
143	Stainless steel sign at main entrance	1	ls	10,000.00	10,000		
144	Misc. metals at masonry	23,631	sf	1.50	35,447		
145							
146	<i>070001 WATERPROOFING, DAMPPROOFING AND CAULKING</i>						
147	Air barrier	29,539	sf	7.00	206,773		
148	Air barrier/flashing at windows	11,584	lf	6.25	72,400		
149	Miscellaneous sealants to closure	29,539	sf	1.00	29,539		
150							
151	<i>072100 THERMAL INSULATION</i>						
152	Insulation	29,539	sf	2.25	66,463		
153							
154	<i>076400 CLADDING</i>						
155	Metal panel; 20% of solid area	5,908	sf	75.00	443,100		
156	Roof equipment screen	1	ls	150,000.00	150,000		
157							
158	<i>092900 GYPSUM BOARD ASSEMBLIES</i>						
159	6" metal stud backup	29,539	sf	9.00	265,851		
160	Gypsum Sheathing	29,539	sf	2.75	81,232		
161	Drywall lining to interior face of stud backup	29,539	sf	3.30	97,479		
162							
163	SUBTOTAL					2,600,452	
164							
165	B2020 WINDOWS						
166	Exterior Wall Area - Glazed Assume 40%	19,693	sf				
167							
168	<i>061000 ROUGH CARPENTRY</i>						
169	Wood blocking at openings	11,584	lf	12.00	139,008		
170							
171	<i>070001 WATERPROOFING, DAMPPROOFING AND CAULKING</i>						



PDP Report

GFA 114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 2b NEW ADDITION								
172	Backer rod & double sealant	11,584	lf	9.00	104,256			
173								
174	080001 METAL WINDOWS							
175	Windows, double glazed; 60% of glazed area	11,816	sf	95.00	1,122,520			
176	Curtainwall, double glazed; 40% of glazed area	7,877	sf	120.00	945,240			
177	Sunshades; horizontal	1	ls	150,000.00	150,000			
178								
179	089000 LOUVERS							
180	Louvers	250	sf	65.00	16,250			
181	SUBTOTAL					2,477,274		
182								
183	B2030 EXTERIOR DOORS							
184	Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000			
185	Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000			
186	Backer rod & double sealant	114	lf	9.00	1,026			
187	Wood blocking at openings	114	lf	3.00	342			
188	SUBTOTAL					41,368		
189								
190	TOTAL - EXTERIOR CLOSURE						\$5,119,094	
191								
192								
193	B30 ROOFING							
194								
195	B3010 ROOF COVERINGS							
196	Roofing complete	59,238	sf	22.00	1,303,236			
197	Fascia/soffits	1,559	lf	200.00	311,800			
198	SUBTOTAL					1,615,036		
199								
200	B3020 ROOF OPENINGS							
201	Skylights, allow	1	ls	30,000.00	30,000			
202	Roof hatch	1	loc	2,500.00	2,500			
203	SUBTOTAL					32,500		
204								
205	TOTAL - ROOFING						\$1,647,536	
206								
207								
208	C10 INTERIOR CONSTRUCTION							
209								
210	C1010 PARTITIONS							
211	Miscellaneous partitions - glazing, GWB assemblies, etc.	114,267	gsf	22.00	2,513,874			
212	SUBTOTAL					2,513,874		
213								
214	C1020 INTERIOR DOORS							
215								
216	Doors; complete	114,267	gsf	5.00	571,335			
217	SUBTOTAL					571,335		
218								
219	C1030 SPECIALTIES / MILLWORK							
220	Toilet Partitions and accessories	114,267	gsf	0.80	91,414			
221	Backer panels in electrical closets	1	ls	1,000.00	1,000			
222	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	114,267	sf	1.00	114,267			
223	Window sill; Solid surface	3,861	lf	50.00	193,050			
224	Room Signs	114,267	gsf	0.40	45,707			
225	Fire extinguisher cabinets	38	ea	350.00	13,300			
226	Lockers	114,267	gsf	1.60	182,827			
227	Janitors Work Shop Accessories	1	ls	1,500.00	1,500			
228	Janitors Closet Accessories	3	rms	300.00	900			



PDP Report

GFA 114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2b NEW ADDITION

229	Display cases	114,267	gsf	0.25	28,567			
230	Miscellaneous metals throughout building	114,267	sf	1.50	171,401			
231	Miscellaneous sealants throughout building	114,267	sf	1.25	142,834			
232	SUBTOTAL					986,767		
233								
234	TOTAL - INTERIOR CONSTRUCTION							\$4,071,976

C20 STAIRCASES

239	C2010 STAIR CONSTRUCTION							
240	Metal pan stair	4	flt	35,000.00	140,000			
241	Concrete fill to stairs	4	flt	2,000.00	8,000			
242	SUBTOTAL					148,000		
243								
244	C2020 STAIR FINISHES							
245	High performance coating to stairs including all railings etc.	4	flt	3,000.00	12,000			
246	Rubber tile at stairs - landings	400	sf	10.00	4,000			
247	Rubber tile at stairs - treads & risers	480	lft	19.06	9,149			
248	SUBTOTAL					25,149		
249								
250	TOTAL - STAIRCASES							\$173,149

C30 INTERIOR FINISHES

253	C3010 WALL FINISHES							
254	Wall finishes	114,267	sf	8.00	914,136			
255	SUBTOTAL					914,136		
256								
257	C3020 FLOOR FINISHES							
258	Floor finishes	114,267	sf	9.00	1,028,403			
259	SUBTOTAL					1,028,403		
260								
261	C3030 CEILING FINISHES							
262	Ceiling finishes	114,267	sf	11.00	1,256,937			
263	SUBTOTAL					1,256,937		
264								
265	TOTAL - INTERIOR FINISHES							\$3,199,476

D10 CONVEYING SYSTEMS

270	D1010 ELEVATOR							
271	New two stop elevator	2	ea	140,000.00	280,000			
272	SUBTOTAL					280,000		
273								
274	TOTAL - CONVEYING SYSTEMS							\$280,000

D20 PLUMBING

278	D20 PLUMBING, GENERALLY							
279	Plumbing;	114,267	sf	15.00	1,714,005			
280	SUBTOTAL					1,714,005		
281								
282	TOTAL - PLUMBING							\$1,714,005

D30 HVAC

286	D30 HVAC, GENERALLY						
287	HVAC General; Chilled beam full AC	114,267	sf	49.00	5,599,083		
288	SUBTOTAL					5,599,083	
289							



PDP Report

GFA 114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2b NEW ADDITION

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TOTAL - HVAC							\$5,599,083
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D40 FIRE PROTECTION

D40 FIRE PROTECTION, GENERALLY

Fire Protection (no fire pump req'd)	114,267	sf	5.00	571,335		
SUBTOTAL					571,335	

TOTAL - FIRE PROTECTION							\$571,335
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

<u>Normal Power</u>						
Normal power panelboards and feeders	114,267	sf	5.00	571,335		
Emergency power panelboards and feeders	114,267	sf	3.00	342,801		
<u>Equipment wiring feed and connection</u>						
Equipment wiring feed and connection	114,267	sf	2.00	228,534		
SUBTOTAL					1,142,670	

D5020 LIGHTING & POWER

LED lighting allowance	114,267	sf	5.50	628,469		
Exit lighting	114,267	sf	0.25	28,567		
<u>Lighting controls</u>						
Automated lighting controls system	114,267	sf	1.50	171,401		
<u>Branch devices</u>						
Branch devices	114,267	sf	0.50	57,134		
<u>Lighting and branch circuitry</u>						
Branch circuitry	114,267	sf	5.00	571,335		
SUBTOTAL					1,456,906	

D5030 COMMUNICATION & SECURITY SYSTEMS

<u>Fire Alarm</u>						
New FA system	114,267	sf	3.00	342,801		
<u>Telephone/Data/CATV</u>						
Fit-Out Closets, devices and cabling	114,267	sf	3.00	342,801		
Rough-in	114,267	sf	1.00	114,267		
<u>Clock/PA System</u>						
Clock/PA System	114,267	sf	1.00	114,267		
Classroom speech reinforcement	114,267	sf	1.50	171,401		
<u>Gymnasium</u>						
Stage lighting and dimming system	1	ls	25,000.00	25,000		
Sound system	1	ls	10,000.00	10,000		
Score board	1	ls	7,500.00	7,500		
<u>AV</u>						
AV equipment provided by others					By Others	
Rough-in only	114,267	sf	1.00	114,267		
<u>Security System</u>						
Security System	114,267	sf	2.50	285,668		
SUBTOTAL					1,527,972	

D5040 OTHER ELECTRICAL SYSTEMS

<u>Miscellaneous</u>						
Temporary power	114,267	sf	0.35	39,993		



PDP Report

GFA 114,267

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 2b NEW ADDITION

349	Fees & Permits	114,267	sf	0.25	28,567		
350	SUBTOTAL					68,560	
TOTAL - ELECTRICAL							\$4,196,108

E10 EQUIPMENT

355	E10 EQUIPMENT, GENERALLY						
357	Kiln	1	ea	5,000.00	5,000		
358	Electrically operated projection screens	1	loc	15,000.00	15,000		
359	Gym wall pads	1	ls	20,000.00	20,000		
360	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000		
361	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000		
362	Volleyball net and standards	1	ls	5,000.00	5,000		
363	Telescoping bleachers	1	ls	60,000.00	60,000		
364	SUBTOTAL					215,000	
TOTAL - EQUIPMENT							\$215,000

E20 FURNISHINGS

371	E2010 FIXED FURNISHINGS						
372	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500		
373	Window blinds	19,693	sf	7.00	137,851		
374	Counters, base cabinets, tall storage in classrooms and other rooms	114,267	gsf	10.00	1,142,670		
375	SUBTOTAL					1,308,021	
376	E2020 MOVABLE FURNISHINGS						
377	All movable furnishings to be provided and installed by owner						
378	SUBTOTAL						NIC
379	TOTAL - FURNISHINGS						\$1,308,021

F10 SPECIAL CONSTRUCTION

385	F10 SPECIAL CONSTRUCTION						
386	No items in this section						
387	SUBTOTAL						
388	TOTAL - SPECIAL CONSTRUCTION						

F20 SELECTIVE BUILDING DEMOLITION

394	F2010 BUILDING ELEMENTS DEMOLITION						
395	No items in this section						
396	SUBTOTAL						
397	F2020 HAZARDOUS COMPONENTS ABATEMENT						
398	See main summary for HazMat allowance				See Summary		
399	SUBTOTAL						
400	TOTAL - SELECTIVE BUILDING DEMOLITION						



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 3 NEW				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$560,050			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$508,612	\$1,068,662	\$12.94	4.3%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$1,311,863			
B1020 Roof Construction	\$1,773,126	\$3,084,989	\$37.35	12.4%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$1,909,081			
B2020 Windows	\$1,869,975			
B2030 Exterior Doors	\$41,368	\$3,820,424	\$46.26	15.4%
B30 ROOFING				
B3010 Roof Coverings	\$1,309,288			
B3020 Roof Openings	\$32,500	\$1,341,788	\$16.25	5.4%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$1,816,914			
C1020 Interior Doors	\$412,935			
C1030 Specialties/Millwork	\$717,143	\$2,946,992	\$35.68	11.9%
C20 STAIRCASES				
C2010 Stair Construction	\$74,000			
C2020 Stair Finishes	\$12,574	\$86,574	\$1.05	0.3%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$660,696			
C3020 Floor Finishes	\$743,283			
C3030 Ceiling Finishes	\$908,457	\$2,312,436	\$28.00	9.3%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$280,000	\$280,000	\$3.39	1.1%
D20 PLUMBING				
D20 Plumbing	\$1,238,805	\$1,238,805	\$15.00	5.0%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 3 NEW					
D30 HVAC					
D30 HVAC		\$4,046,763	\$4,046,763	\$49.00	16.3%
D40 FIRE PROTECTION					
D40 Fire Protection		\$412,935	\$412,935	\$5.00	1.7%
D50 ELECTRICAL					
D5010 Complete System		\$3,044,540	\$3,044,540	\$36.86	12.2%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$2.60	0.9%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$954,996			
E2020 Movable Furnishings		NIC	\$954,996	\$11.56	3.8%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$24,854,904	\$300.95	100.0%



PDP Report

GFA 82,587

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 3 NEW

GROSS FLOOR AREA CALCULATION

First Floor	50,804
Second Floor	31,783

TOTAL GROSS FLOOR AREA (GFA)	82,587 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	112	CY
Foundation Walls	176	CY
Spread Footings	238	CY
Piers	20	CY
Total Foundation Concrete	546	CY

Strip footings

Formwork	1,916	sf	11.00	21,076
Re-bar	11,496	lbs.	1.20	13,795
Concrete material; 3,000 psi	112	cy	130.00	14,560
Placing concrete	112	cy	70.00	7,840

Foundation walls

Formwork	5,748	sf	16.00	91,968
Re-bar	14,370	lbs.	1.20	17,244
Concrete material; 3,000 psi	176	cy	130.00	22,880
Placing concrete	176	cy	70.00	12,320
Form shelf	958	lf	10.00	9,580

Spread Footings

Formwork	3,888	sf	15.00	58,320
Re-bar	30,940	lbs.	1.20	37,128
Concrete material; 3,000 psi	238	cy	130.00	30,940
Placing concrete	238	cy	70.00	16,660
Set anchor bolts grout plates	81	ea	150.00	12,150

Piers/Pilasters

Formwork	1,458	sf	18.00	26,244
Re-bar	3,200	lbs	1.20	3,840
Concrete material; 3,000 psi	20	cy	130.00	2,600
Placing concrete	20	cy	80.00	1,600

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	2,874	sf	3.00	8,622
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312000 EARTHWORK

Strip footings

Excavation	887	cy	15.00	13,305
Remove off site	288	cy	12.00	3,456
Backfill with imported material	599	cy	30.00	17,970

Spread footings

Excavation	960	cy	16.00	15,360
Remove off site	238	cy	12.00	2,856
Backfill with imported material	722	cy	30.00	21,660

Miscellaneous

Perimeter drain	958	lf	22.00	21,076
Underslab E&B for plumbing	1	ls	30,000.00	30,000



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 3 NEW								
60	Dewatering for foundation work	1	ls	25,000.00	25,000			
61	SUBTOTAL					560,050		
62								
63	A1020 SPECIAL FOUNDATIONS							
64	No work in this section							
65	SUBTOTAL					-		
66								
67	A1030 LOWEST FLOOR CONSTRUCTION							
68	<u>New Slab on grade, 5" thick</u>							
69	Gravel fill, 12"	1,261	cy	40.00	50,440			
70	Rigid insulation; 2ft at perimeter	1,916	sf	2.25	4,311			
71	Vapor barrier	50,804	sf	0.75	38,103			
72	Compact existing sub-grade	50,804	sf	0.50	25,402			
73	Mesh reinforcing 15% lap	58,425	sf	1.10	64,268			
74	Concrete - 5" thick; 4,000 psi	830	cy	135.00	112,050			
75	Placing concrete	830	cy	45.00	37,350			
76	Finishing and curing concrete	50,804	sf	2.00	101,608			
77	Control joints - saw cut	50,804	sf	0.10	5,080			
78	<u>Miscellaneous</u>							
79	Elevator pit	2	loc	35,000.00	70,000			
80	SUBTOTAL					508,612		
81								
82	TOTAL - FOUNDATIONS							\$1,068,662
83								
84								
85	A20 BASEMENT CONSTRUCTION							
86								
87	A2010 BASEMENT EXCAVATION							
88	No Work in this section							
89	SUBTOTAL					-		
90								
91	A2020 BASEMENT WALLS							
92	No Work in this section							
93	SUBTOTAL					-		
94								
95	TOTAL - BASEMENT CONSTRUCTION							
96								
97								
98	B10 SUPERSTRUCTURE							
99		13.00	lbs/sf			-		
100	B1010 FLOOR CONSTRUCTION	537	tns			-		
101	<u>Floor Structure - Steel:</u>							
102	Steel beams and columns, 13#/SF	207	tns	4,000.00	828,000			
103	Premium for HSS	52	tns	300.00	15,600			
104	Shear studs	6,357	ea	2.50	15,893			
105	<u>Floor Structure</u>							
106	2" 18 Ga. Metal galvanized floor Deck	31,783	sf	4.00	127,132			
107	WWF reinforcement	36,550	sf	1.10	40,205			
108	Concrete Fill to metal deck; 5-1/4" Light Weight	541	cy	175.00	94,675			
109	Place and finish concrete	31,783	sf	2.00	63,566			
110	Rebar to decks	9,535	lbs	1.20	11,442			
111	Misc. angles	31,783	sf	0.50	15,892			
112	<u>Miscellaneous</u>							
113	Fire proofing to columns and beams	31,783	sf	2.50	79,458			
114	Fire stopping floors	1	ls	20,000.00	20,000			



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 3 NEW

115 SUBTOTAL 1,311,863

116

117 **B1020 ROOF CONSTRUCTION**

118 Roof Structure - Steel:

119 Steel beams and columns, 13#/SF 330 tns 4,000.00 1,320,000

120 Premium for HSS 83 tns 300.00 24,900

121 Roof Structure

122 1-1/2" 20 Ga. galvanized Metal Roof Deck 50,804 sf 3.50 177,814

123 Premium for acoustic deck at gym 7,200 sf 5.50 39,600

124 Miscellaneous

125 Concrete at roof, allow 10,000 sf 8.00 80,000

126 Fire proofing to columns, beams and deck 43,604 sf 3.00 130,812

127 SUBTOTAL 1,773,126

128

129 **TOTAL - SUPERSTRUCTURE \$3,084,989**

130

131

132 **B20 EXTERIOR CLOSURE**

133

134 **B2010 EXTERIOR WALLS**

135 Exterior Wall Area - Solid Assume 60% 21,776 sf

136 042000 MASONRY

137 New brick exterior wall - 80% 17,421 sf 40.00 696,840

138 Staging to exterior wall 36,294 sf 4.00 145,176

139

140 055000 MISC. METALS

141 Stainless steel sign at main entrance 1 ls 10,000.00 10,000

142 Misc. metals at masonry 17,421 sf 1.50 26,132

143

144 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

145 Air barrier 21,776 sf 7.00 152,432

146 Air barrier/flashing at windows 8,540 lf 6.25 53,375

147 Miscellaneous sealants to closure 21,776 sf 1.00 21,776

148

149 072100 THERMAL INSULATION

150 Insulation 21,776 sf 2.25 48,996

151

152 076400 CLADDING

153 Metal panel; 20% of solid area 4,355 sf 75.00 326,625

154 Roof equipment screen 1 ls 100,000.00 100,000

155

156 092900 GYPSUM BOARD ASSEMBLIES

157 6" metal stud backup 21,776 sf 9.00 195,984

158 Gypsum Sheathing 21,776 sf 2.75 59,884

159 Drywall lining to interior face of stud backup 21,776 sf 3.30 71,861

160

161 SUBTOTAL 1,909,081

162

163 **B2020 WINDOWS**

164 Exterior Wall Area - Glazed Assume 40% 14,518 sf

165 061000 ROUGH CARPENTRY

166 Wood blocking at openings 8,540 lf 12.00 102,480

167

168 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

169 Backer rod & double sealant 8,540 lf 9.00 76,860

170



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 3 NEW

172							
173	080001	METAL WINDOWS					
174		Windows, double glazed; 60% of glazed area	8,711	sf	95.00	827,545	
175		Curtainwall, double glazed; 40% of glazed area	5,807	sf	120.00	696,840	
176		Sunshades; horizontal	1	ls	150,000.00	150,000	
177							
178	089000	LOUVERS					
179		Louvers	250	sf	65.00	16,250	
180		SUBTOTAL					1,869,975
181							
182	B2030	EXTERIOR DOORS					
183		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000	
184		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000	
185		Backer rod & double sealant	114	lf	9.00	1,026	
186		Wood blocking at openings	114	lf	3.00	342	
187		SUBTOTAL					41,368
188							
189	TOTAL - EXTERIOR CLOSURE						\$3,820,424

B30 ROOFING

192							
193							
194	B3010	ROOF COVERINGS					
195		Roofing complete	50,804	sf	22.00	1,117,688	
196		Fascia/soffits	958	lf	200.00	191,600	
197		SUBTOTAL					1,309,288
198							
199	B3020	ROOF OPENINGS					
200		Skylights, allow	1	ls	30,000.00	30,000	
201		Roof hatch	1	loc	2,500.00	2,500	
202		SUBTOTAL					32,500
203							
204	TOTAL - ROOFING						\$1,341,788

C10 INTERIOR CONSTRUCTION

207							
208							
209	C1010	PARTITIONS					
210		Miscellaneous partitions - glazing, GWB assemblies, etc.	82,587	gsf	22.00	1,816,914	
211		SUBTOTAL					1,816,914
212							
213	C1020	INTERIOR DOORS					
214		Doors; complete	82,587	gsf	5.00	412,935	
215		SUBTOTAL					412,935
216							
217							
218	C1030	SPECIALTIES / MILLWORK					
219		Toilet Partitions and accessories	82,587	gsf	0.80	66,070	
220		Backer panels in electrical closets	1	ls	1,000.00	1,000	
221		Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	82,587	sf	1.00	82,587	
222		Window sill; Solid surface	2,847	lf	50.00	142,350	
223		Room Signs	82,587	gsf	0.40	33,035	
224		Fire extinguisher cabinets	28	ea	350.00	9,800	
225		Lockers	82,587	gsf	1.60	132,139	
226		Janitors Work Shop Accessories	1	ls	1,500.00	1,500	
227		Janitors Closet Accessories	3	rms	300.00	900	
228		Display cases	82,587	gsf	0.25	20,647	



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 3 NEW								
229	Miscellaneous metals throughout building	82,587	sf	1.50	123,881			
230	Miscellaneous sealants throughout building	82,587	sf	1.25	103,234			
231	SUBTOTAL					717,143		
232								
233	TOTAL - INTERIOR CONSTRUCTION						\$2,946,992	
234								
235								
236	C20 STAIRCASES							
237								
238	C2010 STAIR CONSTRUCTION							
239	Metal pan stair	2	flt	35,000.00	70,000			
240	Concrete fill to stairs	2	flt	2,000.00	4,000			
241	SUBTOTAL					74,000		
242								
243	C2020 STAIR FINISHES							
244	High performance coating to stairs including all railings etc.	2	flt	3,000.00	6,000			
245	Rubber tile at stairs - landings	200	sf	10.00	2,000			
246	Rubber tile at stairs - treads & risers	240	lft	19.06	4,574			
247	SUBTOTAL					12,574		
248								
249	TOTAL - STAIRCASES						\$86,574	
250								
251								
252	C30 INTERIOR FINISHES							
253								
254	C3010 WALL FINISHES							
255	Wall finishes	82,587	sf	8.00	660,696			
256	SUBTOTAL					660,696		
257								
258	C3020 FLOOR FINISHES							
259	Floor finishes	82,587	sf	9.00	743,283			
260	SUBTOTAL					743,283		
261								
262	C3030 CEILING FINISHES							
263	Ceiling finishes	82,587	sf	11.00	908,457			
264	SUBTOTAL					908,457		
265								
266	TOTAL - INTERIOR FINISHES						\$2,312,436	
267								
268								
269	D10 CONVEYING SYSTEMS							
270								
271	D1010 ELEVATOR							
272	New two stop elevator	2	ea	140,000.00	280,000			
273	SUBTOTAL					280,000		
274								
275	TOTAL - CONVEYING SYSTEMS						\$280,000	
276								
277								
278	D20 PLUMBING							
279								
280	D20 PLUMBING, GENERALLY							
281	Plumbing;	82,587	sf	15.00	1,238,805			
282	SUBTOTAL					1,238,805		
283								
284	TOTAL - PLUMBING						\$1,238,805	
285								
286								
287	D30 HVAC							
288								
289	D30 HVAC, GENERALLY							
290	HVAC General; Chilled beam full AC	82,587	sf	49.00	4,046,763			
291	SUBTOTAL					4,046,763		
292								



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GFA

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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 3 NEW

293	TOTAL - HVAC						\$4,046,763
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294							
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295							
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296	D40 FIRE PROTECTION						
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297							
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298	D40 FIRE PROTECTION, GENERALLY						
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299	Fire Protection (no fire pump req'd)	82,587	sf	5.00	412,935		
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300	SUBTOTAL					412,935	
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301							
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302	TOTAL - FIRE PROTECTION						\$412,935
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303							
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304							
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305	D50 ELECTRICAL						
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306							
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307	D5010 SERVICE & DISTRIBUTION						
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308	<u>Normal Power</u>						
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309	Normal power panelboards and feeders	82,587	sf	5.00	412,935		
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310	Emergency power panelboards and feeders	82,587	sf	3.00	247,761		
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311	<u>Equipment wiring feed and connection</u>						
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312	Equipment wiring feed and connection	82,587	sf	2.00	165,174		
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313	SUBTOTAL					825,870	
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314	D5020 LIGHTING & POWER						
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315	LED lighting allowance	82,587	sf	5.50	454,229		
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316	Exit lighting	82,587	sf	0.25	20,647		
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317	<u>Lighting controls</u>						
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318	Automated lighting controls system	82,587	sf	1.50	123,881		
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319	<u>Branch devices</u>						
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320	Branch devices	82,587	sf	0.50	41,294		
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321	<u>Lighting and branch circuitry</u>						
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322	Branch circuitry	82,587	sf	5.00	412,935		
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323	SUBTOTAL					1,052,986	
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324							
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325	D5030 COMMUNICATION & SECURITY SYSTEMS						
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326	<u>Fire Alarm</u>						
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327	New FA system	82,587	sf	3.00	247,761		
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328	<u>Telephone/Data/CATV</u>						
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329	Fit-Out Closets, devices and cabling	82,587	sf	3.00	247,761		
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330	Rough-in	82,587	sf	1.00	82,587		
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331	<u>Clock/PA System</u>						
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332	Clock/PA System	82,587	sf	1.00	82,587		
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333	Classroom speech reinforcement	82,587	sf	1.50	123,881		
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334	<u>Gymnasium</u>						
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335	Stage lighting and dimming system	1	ls	25,000.00	25,000		
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336	Sound system	1	ls	10,000.00	10,000		
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337	Score board	1	ls	7,500.00	7,500		
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338	<u>AV</u>						
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339	AV equipment provided by others					By Others	
-----	---------------------------------	--	--	--	--	-----------	--

340	Rough-in only	82,587	sf	1.00	82,587		
-----	---------------	--------	----	------	--------	--	--

341	<u>Security System</u>						
-----	------------------------	--	--	--	--	--	--

342	Security System	82,587	sf	2.50	206,468		
-----	-----------------	--------	----	------	---------	--	--

343	SUBTOTAL					1,116,132	
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344							
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345	D5040 OTHER ELECTRICAL SYSTEMS						
-----	---------------------------------------	--	--	--	--	--	--

346	<u>Miscellaneous</u>						
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347	Temporary power	82,587	sf	0.35	28,905		
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348	Fees & Permits	82,587	sf	0.25	20,647		
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GFA

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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 3 NEW								
349	SUBTOTAL					49,552		
350	TOTAL - ELECTRICAL							\$3,044,540
351								
352								
353								
354	E10 EQUIPMENT							
355								
356	E10 EQUIPMENT, GENERALLY							
357	Kiln	1	ea	5,000.00	5,000			
358	Electrically operated projection screens	1	loc	15,000.00	15,000			
359	Gym wall pads	1	ls	20,000.00	20,000			
360	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
361	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
362	Volleyball net and standards	1	ls	5,000.00	5,000			
363	Telescoping bleachers	1	ls	60,000.00	60,000			
364	SUBTOTAL					215,000		
365								
366	TOTAL - EQUIPMENT							\$215,000
367								
368								
369	E20 FURNISHINGS							
370								
371	E2010 FIXED FURNISHINGS							
372	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
373	Window blinds	14,518	sf	7.00	101,626			
374	Counters, base cabinets, tall storage in classrooms and other rooms	82,587	gsf	10.00	825,870			
375	SUBTOTAL					954,996		
376								
377	E2020 MOVABLE FURNISHINGS							
378	All movable furnishings to be provided and installed by owner							
379	SUBTOTAL						NIC	
380								
381	TOTAL - FURNISHINGS							\$954,996
382								
383								
384	F10 SPECIAL CONSTRUCTION							
385								
386	F10 SPECIAL CONSTRUCTION							
387	No items in this section							
388	SUBTOTAL							
389								
390	TOTAL - SPECIAL CONSTRUCTION							
391								
392								
393	F20 SELECTIVE BUILDING DEMOLITION							
394								
395	F2010 BUILDING ELEMENTS DEMOLITION							
396	No items in this section							
397	SUBTOTAL							
398								
399	F2020 HAZARDOUS COMPONENTS ABATEMENT							
400	See main summary for HazMat allowance						See Summary	
401	SUBTOTAL							
402								
403	TOTAL - SELECTIVE BUILDING DEMOLITION							



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 4a NEW				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$834,668			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$543,102	\$1,377,770	\$22.00	6.8%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$0			
B1020 Roof Construction	\$2,163,747	\$2,163,747	\$34.54	10.6%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$1,725,737			
B2020 Windows	\$1,696,284			
B2030 Exterior Doors	\$41,368	\$3,463,389	\$55.29	17.0%
B30 ROOFING				
B3010 Roof Coverings	\$1,721,436			
B3020 Roof Openings	\$32,500	\$1,753,936	\$28.00	8.6%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$1,378,036			
C1020 Interior Doors	\$313,190			
C1030 Specialties/Millwork	\$564,489	\$2,255,715	\$36.01	11.1%
C20 STAIRCASES				
C2010 Stair Construction	\$0			
C2020 Stair Finishes	\$0	\$0	\$0.00	0.0%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$501,104			
C3020 Floor Finishes	\$563,742			
C3030 Ceiling Finishes	\$689,018	\$1,753,864	\$28.00	8.6%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$0	\$0	\$0.00	0.0%
D20 PLUMBING				
D20 Plumbing	\$939,570	\$939,570	\$15.00	4.6%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 4a NEW					
D30 HVAC					
D30 HVAC		\$3,069,262	\$3,069,262	\$49.00	15.1%
D40 FIRE PROTECTION					
D40 Fire Protection		\$313,190	\$313,190	\$5.00	1.5%
D50 ELECTRICAL					
D5010 Complete System		\$2,319,392	\$2,319,392	\$37.03	11.4%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$3.43	1.1%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$745,146			
E2020 Movable Furnishings		NIC	\$745,146	\$11.90	3.7%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$20,369,981	\$325.20	100.0%



PDP Report

GFA

62,638

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4a NEW

GROSS FLOOR AREA CALCULATION

First Floor 62,638

TOTAL GROSS FLOOR AREA (GFA)	62,638 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	200	CY
Foundation Walls	315	CY
Spread Footings	296	CY
Piers	25	CY
Total Foundation Concrete	836	CY

Strip footings

Formwork	3,434	sf	11.00	37,774
Re-bar	20,604	lbs.	1.20	24,725
Concrete material; 3,000 psi	200	cy	130.00	26,000
Placing concrete	200	cy	70.00	14,000

Foundation walls

Formwork	10,302	sf	16.00	164,832
Re-bar	25,755	lbs.	1.20	30,906
Concrete material; 3,000 psi	315	cy	130.00	40,950
Placing concrete	315	cy	70.00	22,050
Form shelf	1,717	lf	10.00	17,170

Spread Footings

Formwork	4,848	sf	15.00	72,720
Re-bar	38,480	lbs.	1.20	46,176
Concrete material; 3,000 psi	296	cy	130.00	38,480
Placing concrete	296	cy	70.00	20,720
Set anchor bolts grout plates	101	ea	150.00	15,150

Piers/Pilasters

Formwork	1,818	sf	18.00	32,724
Re-bar	4,000	lbs.	1.20	4,800
Concrete material; 3,000 psi	25	cy	130.00	3,250
Placing concrete	25	cy	80.00	2,000

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	5,151	sf	3.00	15,453
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312000 EARTHWORK

Strip footings

Excavation	1,590	cy	15.00	23,850
Remove off site	515	cy	12.00	6,180
Backfill with imported material	1,075	cy	30.00	32,250

Spread footings

Excavation	1,197	cy	16.00	19,152
Remove off site	296	cy	12.00	3,552
Backfill with imported material	901	cy	30.00	27,030

Miscellaneous

Perimeter drain	1,717	lf	22.00	37,774
Underslab E&B for plumbing	1	ls	30,000.00	30,000
Dewatering for foundation work	1	ls	25,000.00	25,000

SUBTOTAL

834,668

A1020 SPECIAL FOUNDATIONS



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GFA

62,638

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4a NEW

63	No work in this section						
64	SUBTOTAL						-
65							
66	A1030 LOWEST FLOOR CONSTRUCTION						
67	<u>New Slab on grade, 5" thick</u>						
68	Gravel fill, 12"	1,554	cy	40.00	62,160		
69	Rigid insulation; 2ft at perimeter	3,434	sf	2.25	7,727		
70	Vapor barrier	62,638	sf	0.75	46,979		
71	Compact existing sub-grade	62,638	sf	0.50	31,319		
72	Mesh reinforcing 15% lap	72,034	sf	1.10	79,237		
73	Concrete - 5" thick; 4,000 psi	1,023	cy	135.00	138,105		
74	Placing concrete	1,023	cy	45.00	46,035		
75	Finishing and curing concrete	62,638	sf	2.00	125,276		
76	Control joints - saw cut	62,638	sf	0.10	6,264		
77	<u>Miscellaneous</u>						
78	Elevator pit	2	loc	35,000.00	NR		
79	SUBTOTAL						543,102

TOTAL - FOUNDATIONS							\$1,377,770
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A20 BASEMENT CONSTRUCTION

86	A2010 BASEMENT EXCAVATION						
87	No Work in this section						
88	SUBTOTAL						-
89							
90	A2020 BASEMENT WALLS						
91	No Work in this section						
92	SUBTOTAL						-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

98		13.00	lbs/sf		-		
99	B1010 FLOOR CONSTRUCTION	407	tns		-		
100	SUBTOTAL						-
101							
102	B1020 ROOF CONSTRUCTION						
103	<u>Roof Structure - Steel:</u>						
104	Steel beams and columns, 13#/SF	407	tns	4,000.00	1,628,000		
105	Premium for HSS	102	tns	300.00	30,600		
106	<u>Roof Structure</u>						
107	1-1/2" 20 Ga. galvanized Metal Roof Deck	62,638	sf	3.50	219,233		
108	Premium for acoustic deck at gym	7,200	sf	5.50	39,600		
109	<u>Miscellaneous</u>						
110	Concrete at roof, allow	10,000	sf	8.00	80,000		
111	Fire proofing to columns, beams and deck	55,438	sf	3.00	166,314		
112	SUBTOTAL						2,163,747

TOTAL - SUPERSTRUCTURE							\$2,163,747
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B20 EXTERIOR CLOSURE

118	B2010 EXTERIOR WALLS						
119	Exterior Wall Area - Solid Assume 60%	19,557	sf				
120							



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4a NEW

121								
122	042000	MASONRY						
123		New brick exterior wall - 80%	15,646	sf	40.00	625,840		
124		Staging to exterior wall	32,595	sf	4.00	130,380		
125								
126	055000	MISC. METALS						
127		Stainless steel sign at main entrance	1	ls	10,000.00	10,000		
128		Misc. metals at masonry	15,646	sf	1.50	23,469		
129								
130	070001	WATERPROOFING, DAMPPROOFING AND CAULKING						
131		Air barrier	19,557	sf	7.00	136,899		
132		Air barrier/flashing at windows	7,669	lf	6.25	47,931		
133		Miscellaneous sealants to closure	19,557	sf	1.00	19,557		
134								
135	072100	THERMAL INSULATION						
136		Insulation	19,557	sf	2.25	44,003		
137								
138	076400	CLADDING						
139		Metal panel; 20% of solid area	3,911	sf	75.00	293,325		
140		Roof equipment screen	1	ls	100,000.00	100,000		
141								
142	092900	GYPSUM BOARD ASSEMBLIES						
143		6" metal stud backup	19,557	sf	9.00	176,013		
144		Gypsum Sheathing	19,557	sf	2.75	53,782		
145		Drywall lining to interior face of stud backup	19,557	sf	3.30	64,538		
146								
147		SUBTOTAL					1,725,737	
148								
149	B2020	WINDOWS						
150		Exterior Wall Area - Glazed Assume 40%	13,038	sf				
151								
152	061000	ROUGH CARPENTRY						
153		Wood blocking at openings	7,669	lf	12.00	92,028		
154								
155	070001	WATERPROOFING, DAMPPROOFING AND CAULKING						
156		Backer rod & double sealant	7,669	lf	9.00	69,021		
157								
158	080001	METAL WINDOWS						
159		Windows, double glazed; 60% of glazed area	7,823	sf	95.00	743,185		
160		Curtainwall, double glazed; 40% of glazed area	5,215	sf	120.00	625,800		
161		Sunshades; horizontal	1	ls	150,000.00	150,000		
162								
163	089000	LOUVERS						
164		Louvers	250	sf	65.00	16,250		
165		SUBTOTAL					1,696,284	
166								
167	B2030	EXTERIOR DOORS						
168		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000		
169		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000		
170		Backer rod & double sealant	114	lf	9.00	1,026		
171		Wood blocking at openings	114	lf	3.00	342		
172		SUBTOTAL					41,368	
173								
174	TOTAL - EXTERIOR CLOSURE							\$3,463,389
175								
176								
177	B30 ROOFING							
178								
179	B3010	ROOF COVERINGS						
180		Roofing complete	62,638	sf	22.00	1,378,036		



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4a NEW

181	Fascia/soffits	1,717	lf	200.00	343,400			
182	SUBTOTAL					1,721,436		
184	B3020 ROOF OPENINGS							
185	Skylights, allow	1	ls	30,000.00	30,000			
186	Roof hatch	1	loc	2,500.00	2,500			
187	SUBTOTAL					32,500		
TOTAL - ROOFING								\$1,753,936

C10 INTERIOR CONSTRUCTION

194	C1010 PARTITIONS							
195	Miscellaneous partitions - glazing, GWB assemblies, etc.	62,638	gsf	22.00	1,378,036			
196	SUBTOTAL					1,378,036		
198	C1020 INTERIOR DOORS							
199	Doors; complete	62,638	gsf	5.00	313,190			
200	SUBTOTAL					313,190		
203	C1030 SPECIALTIES / MILLWORK							
204	Toilet Partitions and accessories	62,638	gsf	0.80	50,110			
205	Backer panels in electrical closets	1	ls	1,000.00	1,000			
206	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	62,638	sf	1.00	62,638			
207	Window sill; Solid surface	2,556	lf	50.00	127,800			
208	Room Signs	62,638	gsf	0.40	25,055			
209	Fire extinguisher cabinets	21	ea	350.00	7,350			
210	Lockers	62,638	gsf	1.60	100,221			
211	Janitors Work Shop Accessories	1	ls	1,500.00	1,500			
212	Janitors Closet Accessories	3	rms	300.00	900			
213	Display cases	62,638	gsf	0.25	15,660			
214	Miscellaneous metals throughout building	62,638	sf	1.50	93,957			
215	Miscellaneous sealants throughout building	62,638	sf	1.25	78,298			
216	SUBTOTAL					564,489		
TOTAL - INTERIOR CONSTRUCTION								\$2,255,715

C20 STAIRCASES

223	C2010 STAIR CONSTRUCTION							
224	SUBTOTAL					-		
226	C2020 STAIR FINISHES							
227	SUBTOTAL					-		
TOTAL - STAIRCASES								

C30 INTERIOR FINISHES

234	C3010 WALL FINISHES						
235	Wall finishes	62,638	sf	8.00	501,104		
236	SUBTOTAL					501,104	
238	C3020 FLOOR FINISHES						
239	Floor finishes	62,638	sf	9.00	563,742		
240	SUBTOTAL					563,742	
242	C3030 CEILING FINISHES						
243	Ceiling finishes	62,638	sf	11.00	689,018		
244	SUBTOTAL					689,018	



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4a NEW

246	TOTAL - INTERIOR FINISHES						\$1,753,864
247							
248							
249	D10 CONVEYING SYSTEMS						
250							
251	D1010 ELEVATOR						
252	SUBTOTAL					-	
253							
254	TOTAL - CONVEYING SYSTEMS						
255							
256							
257	D20 PLUMBING						
258							
259	D20 PLUMBING, GENERALLY						
260	Plumbing;	62,638	sf	15.00	939,570		
261	SUBTOTAL					939,570	
262							
263	TOTAL - PLUMBING						\$939,570
264							
265							
266	D30 HVAC						
267							
268	D30 HVAC, GENERALLY						
269	HVAC General; Chilled beam full AC	62,638	sf	49.00	3,069,262		
270	SUBTOTAL					3,069,262	
271							
272	TOTAL - HVAC						\$3,069,262
273							
274							
275	D40 FIRE PROTECTION						
276							
277	D40 FIRE PROTECTION, GENERALLY						
278	Fire Protection (no fire pump req'd)	62,638	sf	5.00	313,190		
279	SUBTOTAL					313,190	
280							
281	TOTAL - FIRE PROTECTION						\$313,190
282							
283							
284	D50 ELECTRICAL						
285							
286	D5010 SERVICE & DISTRIBUTION						
287	<u>Normal Power</u>						
288	Normal power panelboards and feeders	62,638	sf	5.00	313,190		
289	Emergency power panelboards and feeders	62,638	sf	3.00	187,914		
290	<u>Equipment wiring feed and connection</u>						
291	Equipment wiring feed and connection	62,638	sf	2.00	125,276		
292	SUBTOTAL					626,380	
293	D5020 LIGHTING & POWER						
294	LED lighting allowance	62,638	sf	5.50	344,509		
295	Exit lighting	62,638	sf	0.25	15,660		
296	<u>Lighting controls</u>						
297	Automated lighting controls system	62,638	sf	1.50	93,957		
298	<u>Branch devices</u>						
299	Branch devices	62,638	sf	0.50	31,319		
300	<u>Lighting and branch circuitry</u>						
301	Branch circuitry	62,638	sf	5.00	313,190		
302	SUBTOTAL					798,635	
303							
304	D5030 COMMUNICATION & SECURITY SYSTEMS						
305	<u>Fire Alarm</u>						
306	New FA system	62,638	sf	3.00	187,914		
307	<u>Telephone/Data/CATV</u>						
308	Fit-Out Closets, devices and cabling	62,638	sf	3.00	187,914		



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CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 4a NEW								
309	Rough-in	62,638	sf	1.00	62,638			
310	<u>Clock/PA System</u>							
311	Clock/PA System	62,638	sf	1.00	62,638			
312	Classroom speech reinforcement	62,638	sf	1.50	93,957			
313	<u>Gymnasium</u>							
314	Stage lighting and dimming system	1	ls	25,000.00	25,000			
315	Sound system	1	ls	10,000.00	10,000			
316	Score board	1	ls	7,500.00	7,500			
317	<u>AV</u>							
318	AV equipment provided by others					By Others		
319	Rough-in only	62,638	sf	1.00	62,638			
320	<u>Security System</u>							
321	Security System	62,638	sf	2.50	156,595			
322	SUBTOTAL						856,794	
323								
324	D5040 OTHER ELECTRICAL SYSTEMS							
325	<u>Miscellaneous</u>							
326	Temporary power	62,638	sf	0.35	21,923			
327	Fees & Permits	62,638	sf	0.25	15,660			
328	SUBTOTAL						37,583	
329								
330	TOTAL - ELECTRICAL							\$2,319,392
331								
332								
333	E10 EQUIPMENT							
334								
335	E10 EQUIPMENT, GENERALLY							
336	Kiln	1	ea	5,000.00	5,000			
337	Electrically operated projection screens	1	loc	15,000.00	15,000			
338	Gym wall pads	1	ls	20,000.00	20,000			
339	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
340	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
341	Volleyball net and standards	1	ls	5,000.00	5,000			
342	Telescoping bleachers	1	ls	60,000.00	60,000			
343	SUBTOTAL						215,000	
344								
345	TOTAL - EQUIPMENT							\$215,000
346								
347								
348	E20 FURNISHINGS							
349								
350	E2010 FIXED FURNISHINGS							
351	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
352	Window blinds	13,038	sf	7.00	91,266			
353	Counters, base cabinets, tall storage in classrooms and other rooms	62,638	gsf	10.00	626,380			
354	SUBTOTAL						745,146	
355								
356	E2020 MOVABLE FURNISHINGS							
357	All movable furnishings to be provided and installed by owner							
358	SUBTOTAL						NIC	
359								
360	TOTAL - FURNISHINGS							\$745,146
361								
362								
363	F10 SPECIAL CONSTRUCTION							
364								
365	F10 SPECIAL CONSTRUCTION							
366	No items in this section							
367	SUBTOTAL							
368								
369	TOTAL - SPECIAL CONSTRUCTION							
370								



PDP Report

GFA

62,638

<i>CSI CODE</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT</i>	<i>UNIT COST</i>	<i>EST'D COST</i>	<i>SUB TOTAL</i>	<i>TOTAL COST</i>
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OPTION 4a NEW

371
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373
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377
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379
380
381
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F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION

No items in this section

SUBTOTAL

F2020 HAZARDOUS COMPONENTS ABATEMENT

See main summary for HazMat allowance

See Summary

SUBTOTAL

TOTAL - SELECTIVE BUILDING DEMOLITION



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 4b NEW				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$740,714			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$657,854	\$1,398,568	\$17.04	5.4%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$425,114			
B1020 Roof Construction	\$2,477,991	\$2,903,105	\$35.36	11.2%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$2,160,008			
B2020 Windows	\$2,107,516			
B2030 Exterior Doors	\$41,368	\$4,308,892	\$52.49	16.7%
B30 ROOFING				
B3010 Roof Coverings	\$1,867,014			
B3020 Roof Openings	\$32,500	\$1,899,514	\$23.14	7.3%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$1,806,002			
C1020 Interior Doors	\$410,455			
C1030 Specialties/Millwork	\$733,270	\$2,949,727	\$35.93	11.4%
C20 STAIRCASES				
C2010 Stair Construction	\$74,000			
C2020 Stair Finishes	\$12,574	\$86,574	\$1.05	0.3%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$656,728			
C3020 Floor Finishes	\$738,819			
C3030 Ceiling Finishes	\$903,001	\$2,298,548	\$28.00	8.9%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$140,000	\$140,000	\$1.71	0.5%
D20 PLUMBING				
D20 Plumbing	\$1,231,365	\$1,231,365	\$15.00	4.8%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 4b NEW					
D30 HVAC					
D30 HVAC		\$4,022,459	\$4,022,459	\$49.00	15.6%
D40 FIRE PROTECTION					
D40 Fire Protection		\$410,455	\$410,455	\$5.00	1.6%
D50 ELECTRICAL					
D5010 Complete System		\$3,026,511	\$3,026,511	\$36.87	11.7%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$2.62	0.8%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$964,204			
E2020 Movable Furnishings		NIC	\$964,204	\$11.75	3.7%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$25,854,922	\$314.95	100.0%



PDP Report

GFA

82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4b NEW

GROSS FLOOR AREA CALCULATION

First Floor	72,137
Second Floor	9,954

TOTAL GROSS FLOOR AREA (GFA)	82,091 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	163	CY
Foundation Walls	257	CY
Spread Footings	293	CY
Piers	25	CY
Total Foundation Concrete	<u>738</u>	<u>CY</u>

Strip footings

Formwork	2,800	sf	11.00	30,800
Re-bar	16,800	lbs.	1.20	20,160
Concrete material; 3,000 psi	163	cy	130.00	21,190
Placing concrete	163	cy	70.00	11,410

Foundation walls

Formwork	8,400	sf	16.00	134,400
Re-bar	21,000	lbs.	1.20	25,200
Concrete material; 3,000 psi	257	cy	130.00	33,410
Placing concrete	257	cy	70.00	17,990
Form shelf	1,400	lf	10.00	14,000

Spread Footings

Formwork	4,800	sf	15.00	72,000
Re-bar	38,090	lbs.	1.20	45,708
Concrete material; 3,000 psi	293	cy	130.00	38,090
Placing concrete	293	cy	70.00	20,510
Set anchor bolts grout plates	100	ea	150.00	15,000

Piers/Pilasters

Formwork	1,800	sf	18.00	32,400
Re-bar	4,000	lbs	1.20	4,800
Concrete material; 3,000 psi	25	cy	130.00	3,250
Placing concrete	25	cy	80.00	2,000

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	4,200	sf	3.00	12,600
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312000 EARTHWORK

Strip footings

Excavation	1,296	cy	15.00	19,440
Remove off site	420	cy	12.00	5,040
Backfill with imported material	876	cy	30.00	26,280

Spread footings

Excavation	1,185	cy	16.00	18,960
Remove off site	293	cy	12.00	3,516
Backfill with imported material	892	cy	30.00	26,760

Miscellaneous

Perimeter drain	1,400	lf	22.00	30,800
Underslab E&B for plumbing	1	ls	30,000.00	30,000



PDP Report

GFA

82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 4b NEW								
60	Dewatering for foundation work	1	ls	25,000.00	25,000			
61	SUBTOTAL					740,714		
62								
63	A1020 SPECIAL FOUNDATIONS							
64	No work in this section							
65	SUBTOTAL					-		
66								
67	A1030 LOWEST FLOOR CONSTRUCTION							
68	<u>New Slab on grade, 5" thick</u>							
69	Gravel fill, 12"	1,790	cy	40.00	71,600			
70	Rigid insulation; 2ft at perimeter	2,800	sf	2.25	6,300			
71	Vapor barrier	72,137	sf	0.75	54,103			
72	Compact existing sub-grade	72,137	sf	0.50	36,069			
73	Mesh reinforcing 15% lap	82,958	sf	1.10	91,254			
74	Concrete - 5" thick; 4,000 psi	1,178	cy	135.00	159,030			
75	Placing concrete	1,178	cy	45.00	53,010			
76	Finishing and curing concrete	72,137	sf	2.00	144,274			
77	Control joints - saw cut	72,137	sf	0.10	7,214			
78	<u>Miscellaneous</u>							
79	Elevator pit	1	loc	35,000.00	35,000			
80	SUBTOTAL					657,854		
81								
82	TOTAL - FOUNDATIONS							\$1,398,568
83								
84								
85	A20 BASEMENT CONSTRUCTION							
86								
87	A2010 BASEMENT EXCAVATION							
88	No Work in this section							
89	SUBTOTAL					-		
90								
91	A2020 BASEMENT WALLS							
92	No Work in this section							
93	SUBTOTAL					-		
94								
95	TOTAL - BASEMENT CONSTRUCTION							
96								
97								
98	B10 SUPERSTRUCTURE							
99		13.01	lbs/sf			-		
100	B1010 FLOOR CONSTRUCTION	534	tns			-		
101	<u>Floor Structure - Steel:</u>							
102	Steel beams and columns, 13#/SF	65	tns	4,000.00	260,000			
103	Premium for HSS	16	tns	300.00	4,800			
104	Shear studs	1,991	ea	2.50	4,978			
105	<u>Floor Structure</u>							
106	2" 18 Ga. Metal galvanized floor Deck	9,954	sf	4.00	39,816			
107	WWF reinforcement	11,447	sf	1.10	12,592			
108	Concrete Fill to metal deck; 5-1/4" Light Weight	169	cy	175.00	29,575			
109	Place and finish concrete	9,954	sf	2.00	19,908			
110	Rebar to decks	2,986	lbs	1.20	3,583			
111	Misc. angles	9,954	sf	0.50	4,977			
112	<u>Miscellaneous</u>							
113	Fire proofing to columns and beams	9,954	sf	2.50	24,885			
114	Fire stopping floors	1	ls	20,000.00	20,000			



PDP Report

GFA

82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4b NEW

115 SUBTOTAL 425,114

116

117 **B1020 ROOF CONSTRUCTION**

118 Roof Structure - Steel:

119 Steel beams and columns, 13#/SF 469 tns 4,000.00 1,876,000

120 Premium for HSS 117 tns 300.00 35,100

121 Roof Structure

122 1-1/2" 20 Ga. galvanized Metal Roof Deck 72,137 sf 3.50 252,480

123 Premium for acoustic deck at gym 7,200 sf 5.50 39,600

124 Miscellaneous

125 Concrete at roof, allow 10,000 sf 8.00 80,000

126 Fire proofing to columns, beams and deck 64,937 sf 3.00 194,811

127 SUBTOTAL 2,477,991

128

129 **TOTAL - SUPERSTRUCTURE \$2,903,105**

130

131

132 **B20 EXTERIOR CLOSURE**

133 **B2010 EXTERIOR WALLS**

135 Exterior Wall Area - Solid Assume 60% 24,813 sf

136 042000 MASONRY

138 New brick exterior wall - 80% 19,850 sf 40.00 794,000

139 Staging to exterior wall 41,355 sf 4.00 165,420

140 055000 MISC. METALS

142 Stainless steel sign at main entrance 1 ls 10,000.00 10,000

143 Misc. metals at masonry 19,850 sf 1.50 29,775

144 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

146 Air barrier 24,813 sf 7.00 173,691

147 Air barrier/flashing at windows 9,731 lf 6.25 60,819

148 Miscellaneous sealants to closure 24,813 sf 1.00 24,813

149 072100 THERMAL INSULATION

151 Insulation 24,813 sf 2.25 55,829

152 076400 CLADDING

154 Metal panel; 20% of solid area 4,963 sf 75.00 372,225

155 Roof equipment screen 1 ls 100,000.00 100,000

156 092900 GYPSUM BOARD ASSEMBLIES

158 6" metal stud backup 24,813 sf 9.00 223,317

159 Gypsum Sheathing 24,813 sf 2.75 68,236

160 Drywall lining to interior face of stud backup 24,813 sf 3.30 81,883

161 SUBTOTAL 2,160,008

162

163 **B2020 WINDOWS**

165 Exterior Wall Area - Glazed Assume 40% 16,542 sf

166 061000 ROUGH CARPENTRY

168 Wood blocking at openings 9,731 lf 12.00 116,772

169 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

171 Backer rod & double sealant 9,731 lf 9.00 87,579



PDP Report

GFA

82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4b NEW

172							
173	080001	METAL WINDOWS					
174		Windows, double glazed; 60% of glazed area	9,925	sf	95.00	942,875	
175		Curtainwall, double glazed; 40% of glazed area	6,617	sf	120.00	794,040	
176		Sunshades; horizontal	1	ls	150,000.00	150,000	
177							
178	089000	LOUVERS					
179		Louvers	250	sf	65.00	16,250	
180		SUBTOTAL					2,107,516
181							
182	B2030	EXTERIOR DOORS					
183		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000	
184		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000	
185		Backer rod & double sealant	114	lf	9.00	1,026	
186		Wood blocking at openings	114	lf	3.00	342	
187		SUBTOTAL					41,368
188							
189	TOTAL - EXTERIOR CLOSURE						\$4,308,892

B30 ROOFING

192							
193							
194	B3010	ROOF COVERINGS					
195		Roofing complete	72,137	sf	22.00	1,587,014	
196		Fascia/soffits	1,400	lf	200.00	280,000	
197		SUBTOTAL					1,867,014
198							
199	B3020	ROOF OPENINGS					
200		Skylights, allow	1	ls	30,000.00	30,000	
201		Roof hatch	1	loc	2,500.00	2,500	
202		SUBTOTAL					32,500
203							
204	TOTAL - ROOFING						\$1,899,514

C10 INTERIOR CONSTRUCTION

207							
208							
209	C1010	PARTITIONS					
210		Miscellaneous partitions - glazing, GWB assemblies, etc.	82,091	gsf	22.00	1,806,002	
211		SUBTOTAL					1,806,002
212							
213	C1020	INTERIOR DOORS					
214		Doors; complete	82,091	gsf	5.00	410,455	
215		SUBTOTAL					410,455
216							
217							
218	C1030	SPECIALTIES / MILLWORK					
219		Toilet Partitions and accessories	82,091	gsf	0.80	65,673	
220		Backer panels in electrical closets	1	ls	1,000.00	1,000	
221		Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	82,091	sf	1.00	82,091	
222		Window sill; Solid surface	3,244	lf	50.00	162,200	
223		Room Signs	82,091	gsf	0.40	32,836	
224		Fire extinguisher cabinets	27	ea	350.00	9,450	
225		Lockers	82,091	gsf	1.60	131,346	
226		Janitors Work Shop Accessories	1	ls	1,500.00	1,500	
227		Janitors Closet Accessories	3	rms	300.00	900	
228		Display cases	82,091	gsf	0.25	20,523	



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GFA 82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4b NEW							
229	Miscellaneous metals throughout building	82,091	sf	1.50	123,137		
230	Miscellaneous sealants throughout building	82,091	sf	1.25	102,614		
231	SUBTOTAL					733,270	
TOTAL - INTERIOR CONSTRUCTION							\$2,949,727
C20 STAIRCASES							
C2010 STAIR CONSTRUCTION							
239	Metal pan stair	2	flt	35,000.00	70,000		
240	Concrete fill to stairs	2	flt	2,000.00	4,000		
241	SUBTOTAL					74,000	
C2020 STAIR FINISHES							
244	High performance coating to stairs including all railings etc.	2	flt	3,000.00	6,000		
245	Rubber tile at stairs - landings	200	sf	10.00	2,000		
246	Rubber tile at stairs - treads & risers	240	lft	19.06	4,574		
247	SUBTOTAL					12,574	
TOTAL - STAIRCASES							\$86,574
C30 INTERIOR FINISHES							
C3010 WALL FINISHES							
255	Wall finishes	82,091	sf	8.00	656,728		
256	SUBTOTAL					656,728	
C3020 FLOOR FINISHES							
259	Floor finishes	82,091	sf	9.00	738,819		
260	SUBTOTAL					738,819	
C3030 CEILING FINISHES							
263	Ceiling finishes	82,091	sf	11.00	903,001		
264	SUBTOTAL					903,001	
TOTAL - INTERIOR FINISHES							\$2,298,548
D10 CONVEYING SYSTEMS							
D1010 ELEVATOR							
272	New two stop elevator	1	ea	140,000.00	140,000		
273	SUBTOTAL					140,000	
TOTAL - CONVEYING SYSTEMS							\$140,000
D20 PLUMBING							
D20 PLUMBING, GENERALLY							
281	Plumbing;	82,091	sf	15.00	1,231,365		
282	SUBTOTAL					1,231,365	
TOTAL - PLUMBING							\$1,231,365
D30 HVAC							
D30 HVAC, GENERALLY							
290	HVAC General; Chilled beam full AC	82,091	sf	49.00	4,022,459		
291	SUBTOTAL					4,022,459	



PDP Report

GFA

82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4b NEW

293	TOTAL - HVAC						\$4,022,459
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294							
295							
296	D40 FIRE PROTECTION						

297							
298	D40 FIRE PROTECTION, GENERALLY						
299	Fire Protection (no fire pump req'd)	82,091	sf	5.00	410,455		
300	SUBTOTAL					410,455	

301	TOTAL - FIRE PROTECTION						\$410,455
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302							
303							
304							
305	D50 ELECTRICAL						

306							
307	D5010 SERVICE & DISTRIBUTION						
308	<u>Normal Power</u>						
309	Normal power panelboards and feeders	82,091	sf	5.00	410,455		
310	Emergency power panelboards and feeders	82,091	sf	3.00	246,273		
311	<u>Equipment wiring feed and connection</u>						
312	Equipment wiring feed and connection	82,091	sf	2.00	164,182		
313	SUBTOTAL					820,910	

314	D5020 LIGHTING & POWER						
315	LED lighting allowance	82,091	sf	5.50	451,501		
316	Exit lighting	82,091	sf	0.25	20,523		
317	<u>Lighting controls</u>						
318	Automated lighting controls system	82,091	sf	1.50	123,137		
319	<u>Branch devices</u>						
320	Branch devices	82,091	sf	0.50	41,046		
321	<u>Lighting and branch circuitry</u>						
322	Branch circuitry	82,091	sf	5.00	410,455		
323	SUBTOTAL					1,046,662	

324							
325	D5030 COMMUNICATION & SECURITY SYSTEMS						
326	<u>Fire Alarm</u>						
327	New FA system	82,091	sf	3.00	246,273		
328	<u>Telephone/Data/CATV</u>						
329	Fit-Out Closets, devices and cabling	82,091	sf	3.00	246,273		
330	Rough-in	82,091	sf	1.00	82,091		
331	<u>Clock/PA System</u>						
332	Clock/PA System	82,091	sf	1.00	82,091		
333	Classroom speech reinforcement	82,091	sf	1.50	123,137		
334	<u>Gymnasium</u>						
335	Stage lighting and dimming system	1	ls	25,000.00	25,000		
336	Sound system	1	ls	10,000.00	10,000		
337	Score board	1	ls	7,500.00	7,500		
338	<u>AV</u>						
339	AV equipment provided by others					By Others	
340	Rough-in only	82,091	sf	1.00	82,091		
341	<u>Security System</u>						
342	Security System	82,091	sf	2.50	205,228		
343	SUBTOTAL					1,109,684	

344							
345	D5040 OTHER ELECTRICAL SYSTEMS						
346	<u>Miscellaneous</u>						
347	Temporary power	82,091	sf	0.35	28,732		
348	Fees & Permits	82,091	sf	0.25	20,523		



PDP Report

GFA

82,091

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 4b NEW								
349	SUBTOTAL					49,255		
350	TOTAL - ELECTRICAL							\$3,026,511
351	E10 EQUIPMENT							
352	E10 EQUIPMENT, GENERALLY							
353	Kiln	1	ea	5,000.00	5,000			
354	Electrically operated projection screens	1	loc	15,000.00	15,000			
355	Gym wall pads	1	ls	20,000.00	20,000			
356	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
357	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
358	Volleyball net and standards	1	ls	5,000.00	5,000			
359	Telescoping bleachers	1	ls	60,000.00	60,000			
360	SUBTOTAL					215,000		
361	TOTAL - EQUIPMENT							\$215,000
362	E20 FURNISHINGS							
363	E2010 FIXED FURNISHINGS							
364	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
365	Window blinds	16,542	sf	7.00	115,794			
366	Counters, base cabinets, tall storage in classrooms and other rooms	82,091	gsf	10.00	820,910			
367	SUBTOTAL					964,204		
368	E2020 MOVABLE FURNISHINGS							
369	All movable furnishings to be provided and installed by owner							
370	SUBTOTAL						NIC	
371	TOTAL - FURNISHINGS							\$964,204
372	F10 SPECIAL CONSTRUCTION							
373	F10 SPECIAL CONSTRUCTION							
374	No items in this section							
375	SUBTOTAL							
376	TOTAL - SPECIAL CONSTRUCTION							
377	F20 SELECTIVE BUILDING DEMOLITION							
378	F2010 BUILDING ELEMENTS DEMOLITION							
379	No items in this section							
380	SUBTOTAL							
381	F2020 HAZARDOUS COMPONENTS ABATEMENT							
382	See main summary for HazMat allowance							
383	SUBTOTAL						See Summary	
384	TOTAL - SELECTIVE BUILDING DEMOLITION							



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 4c NEW				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$1,142,808			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$918,896	\$2,061,704	\$14.34	4.7%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$1,875,254			
B1020 Roof Construction	\$3,331,019	\$5,206,273	\$36.21	11.9%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$3,627,034			
B2020 Windows	\$3,496,724			
B2030 Exterior Doors	\$41,368	\$7,165,126	\$49.83	16.4%
B30 ROOFING				
B3010 Roof Coverings	\$2,641,478			
B3020 Roof Openings	\$32,500	\$2,673,978	\$18.60	6.1%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$3,163,446			
C1020 Interior Doors	\$718,965			
C1030 Specialties/Millwork	\$1,276,242	\$5,158,653	\$35.88	11.8%
C20 STAIRCASES				
C2010 Stair Construction	\$148,000			
C2020 Stair Finishes	\$25,149	\$173,149	\$1.20	0.4%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$1,150,344			
C3020 Floor Finishes	\$1,294,137			
C3030 Ceiling Finishes	\$1,581,723	\$4,026,204	\$28.00	9.2%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$280,000	\$280,000	\$1.95	0.6%
D20 PLUMBING				
D20 Plumbing	\$2,156,895	\$2,156,895	\$15.00	4.9%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 4c NEW					
D30 HVAC					
D30 HVAC		\$7,045,857	\$7,045,857	\$49.00	16.1%
D40 FIRE PROTECTION					
D40 Fire Protection		\$718,965	\$718,965	\$5.00	1.6%
D50 ELECTRICAL					
D5010 Complete System		\$5,269,378	\$5,269,378	\$36.65	12.0%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$1.50	0.5%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$1,664,090			
E2020 Movable Furnishings		NIC	\$1,664,090	\$11.57	3.8%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$43,815,272	\$304.71	100.0%



PDP Report

GFA 143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4c NEW

GROSS FLOOR AREA CALCULATION

First Floor	98,049
Second Floor	45,744

TOTAL GROSS FLOOR AREA (GFA)	143,793 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	283	CY
Foundation Walls	444	CY
Spread Footings	405	CY
Piers	35	CY
Total Foundation Concrete	1,167	CY

Strip footings

Formwork	4,844	sf	11.00	53,284
Re-bar	29,064	lbs.	1.20	34,877
Concrete material; 3,000 psi	283	cy	130.00	36,790
Placing concrete	283	cy	70.00	19,810

Foundation walls

Formwork	14,532	sf	16.00	232,512
Re-bar	36,330	lbs.	1.20	43,596
Concrete material; 3,000 psi	444	cy	130.00	57,720
Placing concrete	444	cy	70.00	31,080
Form shelf	2,422	lf	10.00	24,220

Spread Footings

Formwork	6,624	sf	15.00	99,360
Re-bar	52,650	lbs.	1.20	63,180
Concrete material; 3,000 psi	405	cy	130.00	52,650
Placing concrete	405	cy	70.00	28,350
Set anchor bolts grout plates	138	ea	150.00	20,700

Piers/Pilasters

Formwork	2,484	sf	18.00	44,712
Re-bar	5,600	lbs	1.20	6,720
Concrete material; 3,000 psi	35	cy	130.00	4,550
Placing concrete	35	cy	80.00	2,800

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	7,266	sf	3.00	21,798
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312000 EARTHWORK

Strip footings

Excavation	2,243	cy	15.00	33,645
Remove off site	727	cy	12.00	8,724
Backfill with imported material	1,516	cy	30.00	45,480

Spread footings

Excavation	1,636	cy	16.00	26,176
Remove off site	405	cy	12.00	4,860
Backfill with imported material	1,231	cy	30.00	36,930

Miscellaneous

Perimeter drain	2,422	lf	22.00	53,284
Underslab E&B for plumbing	1	ls	30,000.00	30,000



PDP Report

GFA

143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 4c NEW								
60	Dewatering for foundation work	1	ls	25,000.00	25,000			
61	SUBTOTAL					1,142,808		
62								
63	A1020 SPECIAL FOUNDATIONS							
64	No work in this section							
65	SUBTOTAL					-		
66								
67	A1030 LOWEST FLOOR CONSTRUCTION							
68	<u>New Slab on grade, 5" thick</u>							
69	Gravel fill, 12"	2,433	cy	40.00	97,320			
70	Rigid insulation; 2ft at perimeter	4,844	sf	2.25	10,899			
71	Vapor barrier	98,049	sf	0.75	73,537			
72	Compact existing sub-grade	98,049	sf	0.50	49,025			
73	Mesh reinforcing 15% lap	112,756	sf	1.10	124,032			
74	Concrete - 5" thick; 4,000 psi	1,601	cy	135.00	216,135			
75	Placing concrete	1,601	cy	45.00	72,045			
76	Finishing and curing concrete	98,049	sf	2.00	196,098			
77	Control joints - saw cut	98,049	sf	0.10	9,805			
78	<u>Miscellaneous</u>							
79	Elevator pit	2	loc	35,000.00	70,000			
80	SUBTOTAL					918,896		
81								
82	TOTAL - FOUNDATIONS							\$2,061,704
83								
84								
85	A20 BASEMENT CONSTRUCTION							
86								
87	A2010 BASEMENT EXCAVATION							
88	No Work in this section							
89	SUBTOTAL					-		
90								
91	A2020 BASEMENT WALLS							
92	No Work in this section							
93	SUBTOTAL					-		
94								
95	TOTAL - BASEMENT CONSTRUCTION							
96								
97								
98	B10 SUPERSTRUCTURE							
99		12.99	lbs/sf			-		
100	B1010 FLOOR CONSTRUCTION	934	tns			-		
101	<u>Floor Structure - Steel:</u>							
102	Steel beams and columns, 13#/SF	297	tns	4,000.00	1,188,000			
103	Premium for HSS	74	tns	300.00	22,200			
104	Shear studs	9,149	ea	2.50	22,873			
105	<u>Floor Structure</u>							
106	2" 18 Ga. Metal galvanized floor Deck	45,744	sf	4.00	182,976			
107	WWF reinforcement	52,606	sf	1.10	57,867			
108	Concrete Fill to metal deck; 5-1/4" Light Weight	778	cy	175.00	136,150			
109	Place and finish concrete	45,744	sf	2.00	91,488			
110	Rebar to decks	13,723	lbs	1.20	16,468			
111	Misc. angles	45,744	sf	0.50	22,872			
112	<u>Miscellaneous</u>							
113	Fire proofing to columns and beams	45,744	sf	2.50	114,360			
114	Fire stopping floors	1	ls	20,000.00	20,000			



PDP Report

GFA 143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4c NEW

115 SUBTOTAL 1,875,254

116

117 **B1020 ROOF CONSTRUCTION**

118 Roof Structure - Steel:

119 Steel beams and columns, 13#/SF 637 tns 4,000.00 2,548,000
 120 Premium for HSS 159 tns 300.00 47,700

121 Roof Structure

122 1-1/2" 20 Ga. galvanized Metal Roof Deck 98,049 sf 3.50 343,172
 123 Premium for acoustic deck at gym 7,200 sf 5.50 39,600

124 Miscellaneous

125 Concrete at roof, allow 10,000 sf 8.00 80,000
 126 Fire proofing to columns, beams and deck 90,849 sf 3.00 272,547

127 SUBTOTAL 3,331,019

128

129 **TOTAL - SUPERSTRUCTURE \$5,206,273**

130

131 **B20 EXTERIOR CLOSURE**

132 **B2010 EXTERIOR WALLS**

133 Exterior Wall Area - Solid Assume 60% 42,570 sf

134 042000 MASONRY

135 New brick exterior wall - 80% 34,056 sf 40.00 1,362,240
 136 Staging to exterior wall 70,950 sf 4.00 283,800

137 055000 MISC. METALS

138 Stainless steel sign at main entrance 1 ls 10,000.00 10,000
 139 Misc. metals at masonry 34,056 sf 1.50 51,084

140 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

141 Air barrier 42,570 sf 7.00 297,990
 142 Air barrier/flashing at windows 16,694 lf 6.25 104,338
 143 Miscellaneous sealants to closure 42,570 sf 1.00 42,570

144 072100 THERMAL INSULATION

145 Insulation 42,570 sf 2.25 95,783

146 076400 CLADDING

147 Metal panel; 20% of solid area 8,514 sf 75.00 638,550
 148 Roof equipment screen 1 ls 100,000.00 100,000

149 092900 GYPSUM BOARD ASSEMBLIES

150 6" metal stud backup 42,570 sf 9.00 383,130
 151 Gypsum Sheathing 42,570 sf 2.75 117,068
 152 Drywall lining to interior face of stud backup 42,570 sf 3.30 140,481

153 SUBTOTAL 3,627,034

154

155 **B2020 WINDOWS**

156 Exterior Wall Area - Glazed Assume 40% 28,380 sf

157 061000 ROUGH CARPENTRY

158 Wood blocking at openings 16,694 lf 12.00 200,328

159 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

160 Backer rod & double sealant 16,694 lf 9.00 150,246

161



PDP Report

GFA 143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4c NEW

172							
173	080001	METAL WINDOWS					
174		Windows, double glazed; 60% of glazed area	17,028	sf	95.00	1,617,660	
175		Curtainwall, double glazed; 40% of glazed area	11,352	sf	120.00	1,362,240	
176		Sunshades; horizontal	1	ls	150,000.00	150,000	
177							
178	089000	LOUVERS					
179		Louvers	250	sf	65.00	16,250	
180		SUBTOTAL					3,496,724
181							
182	B2030	EXTERIOR DOORS					
183		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000	
184		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000	
185		Backer rod & double sealant	114	lf	9.00	1,026	
186		Wood blocking at openings	114	lf	3.00	342	
187		SUBTOTAL					41,368
188							
189	TOTAL - EXTERIOR CLOSURE						\$7,165,126

B30 ROOFING

192							
193							
194	B3010	ROOF COVERINGS					
195		Roofing complete	98,049	sf	22.00	2,157,078	
196		Fascia/soffits	2,422	lf	200.00	484,400	
197		SUBTOTAL					2,641,478
198							
199	B3020	ROOF OPENINGS					
200		Skylights, allow	1	ls	30,000.00	30,000	
201		Roof hatch	1	loc	2,500.00	2,500	
202		SUBTOTAL					32,500
203							
204	TOTAL - ROOFING						\$2,673,978

C10 INTERIOR CONSTRUCTION

207							
208							
209	C1010	PARTITIONS					
210		Miscellaneous partitions - glazing, GWB assemblies, etc.	143,793	gsf	22.00	3,163,446	
211		SUBTOTAL					3,163,446
212							
213	C1020	INTERIOR DOORS					
214		Doors; complete	143,793	gsf	5.00	718,965	
215		SUBTOTAL					718,965
216							
217							
218	C1030	SPECIALTIES / MILLWORK					
219		Toilet Partitions and accessories	143,793	gsf	0.80	115,034	
220		Backer panels in electrical closets	1	ls	1,000.00	1,000	
221		Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	143,793	sf	1.00	143,793	
222		Window sill; Solid surface	5,565	lf	50.00	278,250	
223		Room Signs	143,793	gsf	0.40	57,517	
224		Fire extinguisher cabinets	48	ea	350.00	16,800	
225		Lockers	143,793	gsf	1.60	230,069	
226		Janitors Work Shop Accessories	1	ls	1,500.00	1,500	
227		Janitors Closet Accessories	3	rms	300.00	900	
228		Display cases	143,793	gsf	0.25	35,948	



PDP Report

GFA 143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4c NEW							
229	Miscellaneous metals throughout building	143,793	sf	1.50	215,690		
230	Miscellaneous sealants throughout building	143,793	sf	1.25	179,741		
231	SUBTOTAL					1,276,242	
TOTAL - INTERIOR CONSTRUCTION							\$5,158,653
C20 STAIRCASES							
C2010 STAIR CONSTRUCTION							
239	Metal pan stair	4	flt	35,000.00	140,000		
240	Concrete fill to stairs	4	flt	2,000.00	8,000		
241	SUBTOTAL					148,000	
C2020 STAIR FINISHES							
244	High performance coating to stairs including all railings etc.	4	flt	3,000.00	12,000		
245	Rubber tile at stairs - landings	400	sf	10.00	4,000		
246	Rubber tile at stairs - treads & risers	480	lft	19.06	9,149		
247	SUBTOTAL					25,149	
TOTAL - STAIRCASES							\$173,149
C30 INTERIOR FINISHES							
C3010 WALL FINISHES							
255	Wall finishes	143,793	sf	8.00	1,150,344		
256	SUBTOTAL					1,150,344	
C3020 FLOOR FINISHES							
259	Floor finishes	143,793	sf	9.00	1,294,137		
260	SUBTOTAL					1,294,137	
C3030 CEILING FINISHES							
263	Ceiling finishes	143,793	sf	11.00	1,581,723		
264	SUBTOTAL					1,581,723	
TOTAL - INTERIOR FINISHES							\$4,026,204
D10 CONVEYING SYSTEMS							
D1010 ELEVATOR							
272	New two stop elevator	2	ea	140,000.00	280,000		
273	SUBTOTAL					280,000	
TOTAL - CONVEYING SYSTEMS							\$280,000
D20 PLUMBING							
D20 PLUMBING, GENERALLY							
281	Plumbing;	143,793	sf	15.00	2,156,895		
282	SUBTOTAL					2,156,895	
TOTAL - PLUMBING							\$2,156,895
D30 HVAC							
D30 HVAC, GENERALLY							
290	HVAC General; Chilled beam full AC	143,793	sf	49.00	7,045,857		
291	SUBTOTAL					7,045,857	



PDP Report

GFA 143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4c NEW

293	TOTAL - HVAC						\$7,045,857
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294							
295							
296	D40 FIRE PROTECTION						

297	D40 FIRE PROTECTION, GENERALLY						
298	Fire Protection (no fire pump req'd)	143,793	sf	5.00	718,965		
299	SUBTOTAL					718,965	

300	TOTAL - FIRE PROTECTION						\$718,965
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301							
302	D50 ELECTRICAL						

303							
304							
305	D5010 SERVICE & DISTRIBUTION						
306	<u>Normal Power</u>						
307	Normal power panelboards and feeders	143,793	sf	5.00	718,965		
308	Emergency power panelboards and feeders	143,793	sf	3.00	431,379		
309	<u>Equipment wiring feed and connection</u>						
310	Equipment wiring feed and connection	143,793	sf	2.00	287,586		
311	SUBTOTAL					1,437,930	

312	D5020 LIGHTING & POWER						
313	LED lighting allowance	143,793	sf	5.50	790,862		
314	Exit lighting	143,793	sf	0.25	35,948		
315	<u>Lighting controls</u>						
316	Automated lighting controls system	143,793	sf	1.50	215,690		
317	<u>Branch devices</u>						
318	Branch devices	143,793	sf	0.50	71,897		
319	<u>Lighting and branch circuitry</u>						
320	Branch circuitry	143,793	sf	5.00	718,965		
321	SUBTOTAL					1,833,362	

322	D5030 COMMUNICATION & SECURITY SYSTEMS						
323	<u>Fire Alarm</u>						
324	New FA system	143,793	sf	3.00	431,379		
325	<u>Telephone/Data/CATV</u>						
326	Fit-Out Closets, devices and cabling	143,793	sf	3.00	431,379		
327	Rough-in	143,793	sf	1.00	143,793		
328	<u>Clock/PA System</u>						
329	Clock/PA System	143,793	sf	1.00	143,793		
330	Classroom speech reinforcement	143,793	sf	1.50	215,690		
331	<u>Gymnasium</u>						
332	Stage lighting and dimming system	1	ls	25,000.00	25,000		
333	Sound system	1	ls	10,000.00	10,000		
334	Score board	1	ls	7,500.00	7,500		
335	<u>AV</u>						
336	AV equipment provided by others					By Others	
337	Rough-in only	143,793	sf	1.00	143,793		
338	<u>Security System</u>						
339	Security System	143,793	sf	2.50	359,483		
340	SUBTOTAL					1,911,810	

341	D5040 OTHER ELECTRICAL SYSTEMS						
342	<u>Miscellaneous</u>						
343	Temporary power	143,793	sf	0.35	50,328		
344	Fees & Permits	143,793	sf	0.25	35,948		



PDP Report

GFA 143,793

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 4c NEW

349	SUBTOTAL					86,276		
350	TOTAL - ELECTRICAL							\$5,269,378

E10 EQUIPMENT

354	E10 EQUIPMENT, GENERALLY							
355	Kiln	1	ea	5,000.00	5,000			
356	Electrically operated projection screens	1	loc	15,000.00	15,000			
357	Gym wall pads	1	ls	20,000.00	20,000			
358	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
359	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
360	Volleyball net and standards	1	ls	5,000.00	5,000			
361	Telescoping bleachers	1	ls	60,000.00	60,000			
362	SUBTOTAL					215,000		
363	TOTAL - EQUIPMENT							\$215,000

E20 FURNISHINGS

364	E2010 FIXED FURNISHINGS							
365	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
366	Window blinds	28,380	sf	7.00	198,660			
367	Counters, base cabinets, tall storage in classrooms and other rooms	143,793	gsf	10.00	1,437,930			
368	SUBTOTAL					1,664,090		
369	E2020 MOVABLE FURNISHINGS							
370	All movable furnishings to be provided and installed by owner						NIC	
371	SUBTOTAL						NIC	
372	TOTAL - FURNISHINGS							\$1,664,090

F10 SPECIAL CONSTRUCTION

373	F10 SPECIAL CONSTRUCTION							
374	No items in this section							
375	SUBTOTAL							
376	TOTAL - SPECIAL CONSTRUCTION							

F20 SELECTIVE BUILDING DEMOLITION

377	F2010 BUILDING ELEMENTS DEMOLITION							
378	No items in this section							
379	SUBTOTAL							
380	F2020 HAZARDOUS COMPONENTS ABATEMENT							
381	See main summary for HazMat allowance						See Summary	
382	SUBTOTAL							
383	TOTAL - SELECTIVE BUILDING DEMOLITION							



CONSTRUCTION COST SUMMARY

BUILDING SYSTEM		SUB-TOTAL	TOTAL	\$/SF	%
OPTION 5a NEW					
A10 FOUNDATIONS					
A1010	Standard Foundations	\$828,834			
A1020	Special Foundations	\$0			
A1030	Lowest Floor Construction	\$543,688	\$1,372,522	\$21.89	6.7%
A20 BASEMENT CONSTRUCTION					
A2010	Basement Excavation	\$0			
A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE					
B1010	Upper Floor Construction	\$0			
B1020	Roof Construction	\$2,168,150	\$2,168,150	\$34.58	10.6%
B20 EXTERIOR CLOSURE					
B2010	Exterior Walls	\$1,738,392			
B2020	Windows	\$1,708,259			
B2030	Exterior Doors	\$41,368	\$3,488,019	\$55.63	17.1%
B30 ROOFING					
B3010	Roof Coverings	\$1,724,600			
B3020	Roof Openings	\$32,500	\$1,757,100	\$28.02	8.6%
C10 INTERIOR CONSTRUCTION					
C1010	Partitions	\$1,379,400			
C1020	Interior Doors	\$313,500			
C1030	Specialties/Millwork	\$565,910	\$2,258,810	\$36.03	11.1%
C20 STAIRCASES					
C2010	Stair Construction	\$0			
C2020	Stair Finishes	\$0	\$0	\$0.00	0.0%
C30 INTERIOR FINISHES					
C3010	Wall Finishes	\$501,600			
C3020	Floor Finishes	\$564,300			
C3030	Ceiling Finishes	\$689,700	\$1,755,600	\$28.00	8.6%
D10 CONVEYING SYSTEMS					
D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20 PLUMBING					
D20	Plumbing	\$940,500	\$940,500	\$15.00	4.6%



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 5a NEW				
D30 HVAC				
D30 HVAC	\$3,072,300	\$3,072,300	\$49.00	15.1%
D40 FIRE PROTECTION				
D40 Fire Protection	\$313,500	\$313,500	\$5.00	1.5%
D50 ELECTRICAL				
D5010 Complete System	\$2,321,645	\$2,321,645	\$37.03	11.4%
E10 EQUIPMENT				
E10 Equipment	\$215,000	\$215,000	\$3.43	1.1%
E20 FURNISHINGS				
E2010 Fixed Furnishings	\$746,480			
E2020 Movable Furnishings	NIC	\$746,480	\$11.91	3.7%
F10 SPECIAL CONSTRUCTION				
F10 Special Construction	\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS				
F2010 Building Elements Demolition	\$0			
F2020 Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)		\$20,409,626	\$325.51	100.0%



PDP Report

GFA 62,700

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5a NEW

GROSS FLOOR AREA CALCULATION

First Floor 62,700

TOTAL GROSS FLOOR AREA (GFA)	62,700 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	201	CY
Foundation Walls	316	CY
Spread Footings	287	CY
Piers	25	CY
Total Foundation Concrete	829	CY

Strip footings

Formwork	3,452	sf	11.00	37,972
Re-bar	20,712	lbs.	1.20	24,854
Concrete material; 3,000 psi	201	cy	130.00	26,130
Placing concrete	201	cy	70.00	14,070

Foundation walls

Formwork	10,356	sf	16.00	165,696
Re-bar	25,890	lbs.	1.20	31,068
Concrete material; 3,000 psi	316	cy	130.00	41,080
Placing concrete	316	cy	70.00	22,120
Form shelf	1,726	lf	10.00	17,260

Spread Footings

Formwork	4,704	sf	15.00	70,560
Re-bar	37,310	lbs.	1.20	44,772
Concrete material; 3,000 psi	287	cy	130.00	37,310
Placing concrete	287	cy	70.00	20,090
Set anchor bolts grout plates	98	ea	150.00	14,700

Piers/Pilasters

Formwork	1,764	sf	18.00	31,752
Re-bar	4,000	lbs.	1.20	4,800
Concrete material; 3,000 psi	25	cy	130.00	3,250
Placing concrete	25	cy	80.00	2,000

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	5,178	sf	3.00	15,534
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312000 EARTHWORK

Strip footings

Excavation	1,598	cy	15.00	23,970
Remove off site	517	cy	12.00	6,204
Backfill with imported material	1,081	cy	30.00	32,430

Spread footings

Excavation	1,161	cy	16.00	18,576
Remove off site	287	cy	12.00	3,444
Backfill with imported material	874	cy	30.00	26,220

Miscellaneous

Perimeter drain	1,726	lf	22.00	37,972
Underslab E&B for plumbing	1	ls	30,000.00	30,000
Dewatering for foundation work	1	ls	25,000.00	25,000

SUBTOTAL				828,834
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A1020 SPECIAL FOUNDATIONS



PDP Report

GFA

62,700

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5a NEW

63	No work in this section						
64	SUBTOTAL						-
65							
66	A1030 LOWEST FLOOR CONSTRUCTION						
67	<u>New Slab on grade, 5" thick</u>						
68	Gravel fill, 12"	1,556	cy	40.00	62,240		
69	Rigid insulation; 2ft at perimeter	3,452	sf	2.25	7,767		
70	Vapor barrier	62,700	sf	0.75	47,025		
71	Compact existing sub-grade	62,700	sf	0.50	31,350		
72	Mesh reinforcing 15% lap	72,105	sf	1.10	79,316		
73	Concrete - 5" thick; 4,000 psi	1,024	cy	135.00	138,240		
74	Placing concrete	1,024	cy	45.00	46,080		
75	Finishing and curing concrete	62,700	sf	2.00	125,400		
76	Control joints - saw cut	62,700	sf	0.10	6,270		
77	<u>Miscellaneous</u>						
78	Elevator pit	2	loc	35,000.00	NR		
79	SUBTOTAL						543,688

TOTAL - FOUNDATIONS							\$1,372,522
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A20 BASEMENT CONSTRUCTION

86	A2010 BASEMENT EXCAVATION						
87	No Work in this section						
88	SUBTOTAL						-

90	A2020 BASEMENT WALLS						
91	No Work in this section						
92	SUBTOTAL						-

TOTAL - BASEMENT CONSTRUCTION							
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B10 SUPERSTRUCTURE

98		13.01	lbs/sf		-		
99	B1010 FLOOR CONSTRUCTION	408	tns		-		
100	SUBTOTAL						-

102	B1020 ROOF CONSTRUCTION						
103	<u>Roof Structure - Steel:</u>						
104	Steel beams and columns, 13#/SF	408	tns	4,000.00	1,632,000		
105	Premium for HSS	102	tns	300.00	30,600		
106	<u>Roof Structure</u>						
107	1-1/2" 20 Ga. galvanized Metal Roof Deck	62,700	sf	3.50	219,450		
108	Premium for acoustic deck at gym	7,200	sf	5.50	39,600		
109	<u>Miscellaneous</u>						
110	Concrete at roof, allow	10,000	sf	8.00	80,000		
111	Fire proofing to columns, beams and deck	55,500	sf	3.00	166,500		
112	SUBTOTAL						2,168,150

TOTAL - SUPERSTRUCTURE							\$2,168,150
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B20 EXTERIOR CLOSURE

118	B2010 EXTERIOR WALLS						
119	Exterior Wall Area - Solid Assume 60%	19,710	sf				



PDP Report

GFA

62,700

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5a NEW

121							
122	042000	MASONRY					
123		New brick exterior wall - 80%	15,768	sf	40.00	630,720	
124		Staging to exterior wall	32,850	sf	4.00	131,400	
125	055000	MISC. METALS					
127		Stainless steel sign at main entrance	1	ls	10,000.00	10,000	
128		Misc. metals at masonry	15,768	sf	1.50	23,652	
129	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
131		Air barrier	19,710	sf	7.00	137,970	
132		Air barrier/flashing at windows	7,729	lf	6.25	48,306	
133		Miscellaneous sealants to closure	19,710	sf	1.00	19,710	
134	072100	THERMAL INSULATION					
136		Insulation	19,710	sf	2.25	44,348	
137	076400	CLADDING					
139		Metal panel; 20% of solid area	3,942	sf	75.00	295,650	
140		Roof equipment screen	1	ls	100,000.00	100,000	
141	092900	GYPSUM BOARD ASSEMBLIES					
143		6" metal stud backup	19,710	sf	9.00	177,390	
144		Gypsum Sheathing	19,710	sf	2.75	54,203	
145		Drywall lining to interior face of stud backup	19,710	sf	3.30	65,043	
146		SUBTOTAL					1,738,392
148	B2020	WINDOWS					
149		Exterior Wall Area - Glazed Assume 40%	13,140	sf			
151	061000	ROUGH CARPENTRY					
153		Wood blocking at openings	7,729	lf	12.00	92,748	
154	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
156		Backer rod & double sealant	7,729	lf	9.00	69,561	
157	080001	METAL WINDOWS					
159		Windows, double glazed; 60% of glazed area	7,884	sf	95.00	748,980	
160		Curtainwall, double glazed; 40% of glazed area	5,256	sf	120.00	630,720	
161		Sunshades; horizontal	1	ls	150,000.00	150,000	
162	089000	LOUVERS					
164		Louvers	250	sf	65.00	16,250	
165		SUBTOTAL					1,708,259
166	B2030	EXTERIOR DOORS					
168		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000	
169		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000	
170		Backer rod & double sealant	114	lf	9.00	1,026	
171		Wood blocking at openings	114	lf	3.00	342	
172		SUBTOTAL					41,368
173							
174	TOTAL - EXTERIOR CLOSURE						\$3,488,019
175							
176	B30	ROOFING					
177							
178	B3010	ROOF COVERINGS					
179		Roofing complete	62,700	sf	22.00	1,379,400	
180							



PDP Report

GFA

62,700

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 5a NEW								
181	Fascia/soffits	1,726	lf	200.00	345,200			
182	SUBTOTAL					1,724,600		
184	B3020 ROOF OPENINGS							
185	Skylights, allow	1	ls	30,000.00	30,000			
186	Roof hatch	1	loc	2,500.00	2,500			
187	SUBTOTAL					32,500		
TOTAL - ROOFING							\$1,757,100	
C10 INTERIOR CONSTRUCTION								
194	C1010 PARTITIONS							
195	Miscellaneous partitions - glazing, GWB assemblies, etc.	62,700	gsf	22.00	1,379,400			
196	SUBTOTAL					1,379,400		
198	C1020 INTERIOR DOORS							
199	Doors; complete	62,700	gsf	5.00	313,500			
200	SUBTOTAL					313,500		
203	C1030 SPECIALTIES / MILLWORK							
204	Toilet Partitions and accessories	62,700	gsf	0.80	50,160			
205	Backer panels in electrical closets	1	ls	1,000.00	1,000			
206	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	62,700	sf	1.00	62,700			
207	Window sill; Solid surface	2,576	lf	50.00	128,800			
208	Room Signs	62,700	gsf	0.40	25,080			
209	Fire extinguisher cabinets	21	ea	350.00	7,350			
210	Lockers	62,700	gsf	1.60	100,320			
211	Janitors Work Shop Accessories	1	ls	1,500.00	1,500			
212	Janitors Closet Accessories	3	rms	300.00	900			
213	Display cases	62,700	gsf	0.25	15,675			
214	Miscellaneous metals throughout building	62,700	sf	1.50	94,050			
215	Miscellaneous sealants throughout building	62,700	sf	1.25	78,375			
216	SUBTOTAL					565,910		
TOTAL - INTERIOR CONSTRUCTION							\$2,258,810	
C20 STAIRCASES								
223	C2010 STAIR CONSTRUCTION							
224	SUBTOTAL					-		
226	C2020 STAIR FINISHES							
227	SUBTOTAL					-		
TOTAL - STAIRCASES								
C30 INTERIOR FINISHES								
234	C3010 WALL FINISHES							
235	Wall finishes	62,700	sf	8.00	501,600			
236	SUBTOTAL					501,600		
238	C3020 FLOOR FINISHES							
239	Floor finishes	62,700	sf	9.00	564,300			
240	SUBTOTAL					564,300		
242	C3030 CEILING FINISHES							
243	Ceiling finishes	62,700	sf	11.00	689,700			
244	SUBTOTAL					689,700		



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GFA 62,700

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5a NEW

246	TOTAL - INTERIOR FINISHES						\$1,755,600
247							
248							
249	D10 CONVEYING SYSTEMS						
250							
251	D1010 ELEVATOR						
252	SUBTOTAL					-	
253							
254	TOTAL - CONVEYING SYSTEMS						
255							
256							
257	D20 PLUMBING						
258							
259	D20 PLUMBING, GENERALLY						
260	Plumbing;	62,700	sf	15.00	940,500		
261	SUBTOTAL					940,500	
262							
263	TOTAL - PLUMBING						\$940,500
264							
265							
266	D30 HVAC						
267							
268	D30 HVAC, GENERALLY						
269	HVAC General; Chilled beam full AC	62,700	sf	49.00	3,072,300		
270	SUBTOTAL					3,072,300	
271							
272	TOTAL - HVAC						\$3,072,300
273							
274							
275	D40 FIRE PROTECTION						
276							
277	D40 FIRE PROTECTION, GENERALLY						
278	Fire Protection (no fire pump req'd)	62,700	sf	5.00	313,500		
279	SUBTOTAL					313,500	
280							
281	TOTAL - FIRE PROTECTION						\$313,500
282							
283							
284	D50 ELECTRICAL						
285							
286	D5010 SERVICE & DISTRIBUTION						
287	<u>Normal Power</u>						
288	Normal power panelboards and feeders	62,700	sf	5.00	313,500		
289	Emergency power panelboards and feeders	62,700	sf	3.00	188,100		
290	<u>Equipment wiring feed and connection</u>						
291	Equipment wiring feed and connection	62,700	sf	2.00	125,400		
292	SUBTOTAL					627,000	
293	D5020 LIGHTING & POWER						
294	LED lighting allowance	62,700	sf	5.50	344,850		
295	Exit lighting	62,700	sf	0.25	15,675		
296	<u>Lighting controls</u>						
297	Automated lighting controls system	62,700	sf	1.50	94,050		
298	<u>Branch devices</u>						
299	Branch devices	62,700	sf	0.50	31,350		
300	<u>Lighting and branch circuitry</u>						
301	Branch circuitry	62,700	sf	5.00	313,500		
302	SUBTOTAL					799,425	
303							
304	D5030 COMMUNICATION & SECURITY SYSTEMS						
305	<u>Fire Alarm</u>						
306	New FA system	62,700	sf	3.00	188,100		
307	<u>Telephone/Data/CATV</u>						
308	Fit-Out Closets, devices and cabling	62,700	sf	3.00	188,100		



PDP Report

GFA

62,700

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 5a NEW								
309	Rough-in	62,700	sf	1.00	62,700			
310	<u>Clock/PA System</u>							
311	Clock/PA System	62,700	sf	1.00	62,700			
312	Classroom speech reinforcement	62,700	sf	1.50	94,050			
313	<u>Gymnasium</u>							
314	Stage lighting and dimming system	1	ls	25,000.00	25,000			
315	Sound system	1	ls	10,000.00	10,000			
316	Score board	1	ls	7,500.00	7,500			
317	<u>AV</u>							
318	AV equipment provided by others					By Others		
319	Rough-in only	62,700	sf	1.00	62,700			
320	<u>Security System</u>							
321	Security System	62,700	sf	2.50	156,750			
322	SUBTOTAL						857,600	
323								
324	D5040 OTHER ELECTRICAL SYSTEMS							
325	<u>Miscellaneous</u>							
326	Temporary power	62,700	sf	0.35	21,945			
327	Fees & Permits	62,700	sf	0.25	15,675			
328	SUBTOTAL						37,620	
329								
330	TOTAL - ELECTRICAL							\$2,321,645
331								
332								
333	E10 EQUIPMENT							
334								
335	E10 EQUIPMENT, GENERALLY							
336	Kiln	1	ea	5,000.00	5,000			
337	Electrically operated projection screens	1	loc	15,000.00	15,000			
338	Gym wall pads	1	ls	20,000.00	20,000			
339	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
340	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
341	Volleyball net and standards	1	ls	5,000.00	5,000			
342	Telescoping bleachers	1	ls	60,000.00	60,000			
343	SUBTOTAL						215,000	
344								
345	TOTAL - EQUIPMENT							\$215,000
346								
347								
348	E20 FURNISHINGS							
349								
350	E2010 FIXED FURNISHINGS							
351	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
352	Window blinds	13,140	sf	7.00	91,980			
353	Counters, base cabinets, tall storage in classrooms and other rooms	62,700	gsf	10.00	627,000			
354	SUBTOTAL						746,480	
355								
356	E2020 MOVABLE FURNISHINGS							
357	All movable furnishings to be provided and installed by owner							
358	SUBTOTAL						NIC	
359								
360	TOTAL - FURNISHINGS							\$746,480
361								
362								
363	F10 SPECIAL CONSTRUCTION							
364								
365	F10 SPECIAL CONSTRUCTION							
366	No items in this section							
367	SUBTOTAL							
368								
369	TOTAL - SPECIAL CONSTRUCTION							
370								



PDP Report

GFA

62,700

<i>CSI CODE</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT</i>	<i>UNIT COST</i>	<i>EST'D COST</i>	<i>SUB TOTAL</i>	<i>TOTAL COST</i>
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OPTION 5a NEW

371
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382

F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION

No items in this section

SUBTOTAL

F2020 HAZARDOUS COMPONENTS ABATEMENT

See main summary for HazMat allowance

See Summary

SUBTOTAL

TOTAL - SELECTIVE BUILDING DEMOLITION



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 5b NEW				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$868,837			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$617,300	\$1,486,137	\$18.25	5.7%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$600,103			
B1020 Roof Construction	\$2,315,429	\$2,915,532	\$35.79	11.2%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$2,267,133			
B2020 Windows	\$2,263,116			
B2030 Exterior Doors	\$41,368	\$4,571,617	\$56.13	17.5%
B30 ROOFING				
B3010 Roof Coverings	\$1,837,358			
B3020 Roof Openings	\$32,500	\$1,869,858	\$22.96	7.2%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$1,791,944			
C1020 Interior Doors	\$407,260			
C1030 Specialties/Millwork	\$741,924	\$2,941,128	\$36.11	11.3%
C20 STAIRCASES				
C2010 Stair Construction	\$74,000			
C2020 Stair Finishes	\$12,574	\$86,574	\$1.06	0.3%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$651,616			
C3020 Floor Finishes	\$733,068			
C3030 Ceiling Finishes	\$895,972	\$2,280,656	\$28.00	8.7%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$140,000	\$140,000	\$1.72	0.5%
D20 PLUMBING				
D20 Plumbing	\$1,221,780	\$1,221,780	\$15.00	4.7%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 5b NEW					
D30 HVAC					
D30 HVAC		\$3,991,148	\$3,991,148	\$49.00	15.3%
D40 FIRE PROTECTION					
D40 Fire Protection		\$407,260	\$407,260	\$5.00	1.6%
D50 ELECTRICAL					
D5010 Complete System		\$3,003,280	\$3,003,280	\$36.87	11.5%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$2.64	0.8%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$967,096			
E2020 Movable Furnishings		NIC	\$967,096	\$11.87	3.7%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$26,097,066	\$320.40	100.0%



PDP Report

GFA

81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5b NEW

GROSS FLOOR AREA CALCULATION

First Floor	67,189
Second Floor	14,263

TOTAL GROSS FLOOR AREA (GFA)	81,452 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	210	CY
Foundation Walls	329	CY
Spread Footings	308	CY
Piers	26	CY
Total Foundation Concrete	873	CY

Strip footings

Formwork	3,592	sf	11.00	39,512
Re-bar	21,552	lbs.	1.20	25,862
Concrete material; 3,000 psi	210	cy	130.00	27,300
Placing concrete	210	cy	70.00	14,700

Foundation walls

Formwork	10,776	sf	16.00	172,416
Re-bar	26,940	lbs.	1.20	32,328
Concrete material; 3,000 psi	329	cy	130.00	42,770
Placing concrete	329	cy	70.00	23,030
Form shelf	1,796	lf	10.00	17,960

Spread Footings

Formwork	5,040	sf	15.00	75,600
Re-bar	40,040	lbs.	1.20	48,048
Concrete material; 3,000 psi	308	cy	130.00	40,040
Placing concrete	308	cy	70.00	21,560
Set anchor bolts grout plates	105	ea	150.00	15,750

Piers/Pilasters

Formwork	1,890	sf	18.00	34,020
Re-bar	4,160	lbs	1.20	4,992
Concrete material; 3,000 psi	26	cy	130.00	3,380
Placing concrete	26	cy	80.00	2,080

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	5,388	sf	3.00	16,164
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312000 EARTHWORK

Strip footings

Excavation	1,663	cy	15.00	24,945
Remove off site	539	cy	12.00	6,468
Backfill with imported material	1,124	cy	30.00	33,720

Spread footings

Excavation	1,244	cy	16.00	19,904
Remove off site	308	cy	12.00	3,696
Backfill with imported material	936	cy	30.00	28,080

Miscellaneous

Perimeter drain	1,796	lf	22.00	39,512
Underslab E&B for plumbing	1	ls	30,000.00	30,000



PDP Report

GFA

81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 5b NEW								
60	Dewatering for foundation work	1	ls	25,000.00	25,000			
61	SUBTOTAL					868,837		
62								
63	A1020 SPECIAL FOUNDATIONS							
64	No work in this section							
65	SUBTOTAL					-		
66								
67	A1030 LOWEST FLOOR CONSTRUCTION							
68	<u>New Slab on grade, 5" thick</u>							
69	Gravel fill, 12"	1,667	cy	40.00	66,680			
70	Rigid insulation; 2ft at perimeter	3,592	sf	2.25	8,082			
71	Vapor barrier	67,189	sf	0.75	50,392			
72	Compact existing sub-grade	67,189	sf	0.50	33,595			
73	Mesh reinforcing 15% lap	77,267	sf	1.10	84,994			
74	Concrete - 5" thick; 4,000 psi	1,097	cy	135.00	148,095			
75	Placing concrete	1,097	cy	45.00	49,365			
76	Finishing and curing concrete	67,189	sf	2.00	134,378			
77	Control joints - saw cut	67,189	sf	0.10	6,719			
78	<u>Miscellaneous</u>							
79	Elevator pit	1	loc	35,000.00	35,000			
80	SUBTOTAL					617,300		
81								
82	TOTAL - FOUNDATIONS							\$1,486,137
83								
84								
85	A20 BASEMENT CONSTRUCTION							
86								
87	A2010 BASEMENT EXCAVATION							
88	No Work in this section							
89	SUBTOTAL					-		
90								
91	A2020 BASEMENT WALLS							
92	No Work in this section							
93	SUBTOTAL					-		
94								
95	TOTAL - BASEMENT CONSTRUCTION							
96								
97								
98	B10 SUPERSTRUCTURE							
99		13.01	lbs/sf			-		
100	B1010 FLOOR CONSTRUCTION	530	tns			-		
101	<u>Floor Structure - Steel:</u>							
102	Steel beams and columns, 13#/SF	93	tns	4,000.00	372,000			
103	Premium for HSS	23	tns	300.00	6,900			
104	Shear studs	2,853	ea	2.50	7,133			
105	<u>Floor Structure</u>							
106	2" 18 Ga. Metal galvanized floor Deck	14,263	sf	4.00	57,052			
107	WWF reinforcement	16,402	sf	1.10	18,042			
108	Concrete Fill to metal deck; 5-1/4" Light Weight	243	cy	175.00	42,525			
109	Place and finish concrete	14,263	sf	2.00	28,526			
110	Rebar to decks	4,279	lbs	1.20	5,135			
111	Misc. angles	14,263	sf	0.50	7,132			
112	<u>Miscellaneous</u>							
113	Fire proofing to columns and beams	14,263	sf	2.50	35,658			
114	Fire stopping floors	1	ls	20,000.00	20,000			



PDP Report

GFA

81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5b NEW

115 SUBTOTAL 600,103

116

117 **B1020 ROOF CONSTRUCTION**

118 Roof Structure - Steel:

119 Steel beams and columns, 13#/SF 437 tns 4,000.00 1,748,000

120 Premium for HSS 109 tns 300.00 32,700

121 Roof Structure

122 1-1/2" 20 Ga. galvanized Metal Roof Deck 67,189 sf 3.50 235,162

123 Premium for acoustic deck at gym 7,200 sf 5.50 39,600

124 Miscellaneous

125 Concrete at roof, allow 10,000 sf 8.00 80,000

126 Fire proofing to columns, beams and deck 59,989 sf 3.00 179,967

127 SUBTOTAL 2,315,429

128

129 **TOTAL - SUPERSTRUCTURE \$2,915,532**

130

131

132 **B20 EXTERIOR CLOSURE**

133 **B2010 EXTERIOR WALLS**

135 Exterior Wall Area - Solid Assume 60% 26,064 sf

136 042000 MASONRY

138 New brick exterior wall - 80% 20,851 sf 40.00 834,040

139 Staging to exterior wall 43,932 sf 4.00 175,728

140

141 055000 MISC. METALS

142 Stainless steel sign at main entrance 1 ls 10,000.00 10,000

143 Misc. metals at masonry 20,851 sf 1.50 31,277

144

145 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

146 Air barrier 26,064 sf 7.00 182,448

147 Air barrier/flashing at windows 10,511 lf 6.25 65,694

148 Miscellaneous sealants to closure 26,064 sf 1.00 26,064

149

150 072100 THERMAL INSULATION

151 Insulation 26,064 sf 2.25 58,644

152

153 076400 CLADDING

154 Metal panel; 20% of solid area 5,213 sf 75.00 390,975

155 Roof equipment screen 1 ls 100,000.00 100,000

156

157 092900 GYPSUM BOARD ASSEMBLIES

158 6" metal stud backup 26,064 sf 9.00 234,576

159 Gypsum Sheathing 26,064 sf 2.75 71,676

160 Drywall lining to interior face of stud backup 26,064 sf 3.30 86,011

161

162 SUBTOTAL 2,267,133

163

164 **B2020 WINDOWS**

165 Exterior Wall Area - Glazed Assume 40% 17,868 sf

166 061000 ROUGH CARPENTRY

168 Wood blocking at openings 10,511 lf 12.00 126,132

169

170 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

171 Backer rod & double sealant 10,511 lf 9.00 94,599



PDP Report

GFA 81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5b NEW

172							
173	080001	METAL WINDOWS					
174		Windows, double glazed; 60% of glazed area	10,721	sf	95.00	1,018,495	
175		Curtainwall, double glazed; 40% of glazed area	7,147	sf	120.00	857,640	
176		Sunshades; horizontal	1	ls	150,000.00	150,000	
177							
178	089000	LOUVERS					
179		Louvers	250	sf	65.00	16,250	
180		SUBTOTAL					2,263,116
181							
182	B2030	EXTERIOR DOORS					
183		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000	
184		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000	
185		Backer rod & double sealant	114	lf	9.00	1,026	
186		Wood blocking at openings	114	lf	3.00	342	
187		SUBTOTAL					41,368
188							
189	TOTAL - EXTERIOR CLOSURE						\$4,571,617

B30 ROOFING

192							
193							
194	B3010	ROOF COVERINGS					
195		Roofing complete	67,189	sf	22.00	1,478,158	
196		Fascia/soffits	1,796	lf	200.00	359,200	
197		SUBTOTAL					1,837,358
198							
199	B3020	ROOF OPENINGS					
200		Skylights, allow	1	ls	30,000.00	30,000	
201		Roof hatch	1	loc	2,500.00	2,500	
202		SUBTOTAL					32,500
203							
204	TOTAL - ROOFING						\$1,869,858

C10 INTERIOR CONSTRUCTION

207							
208							
209	C1010	PARTITIONS					
210		Miscellaneous partitions - glazing, GWB assemblies, etc.	81,452	gsf	22.00	1,791,944	
211		SUBTOTAL					1,791,944
212							
213	C1020	INTERIOR DOORS					
214		Doors; complete	81,452	gsf	5.00	407,260	
215		SUBTOTAL					407,260
216							
217							
218	C1030	SPECIALTIES / MILLWORK					
219		Toilet Partitions and accessories	81,452	gsf	0.80	65,162	
220		Backer panels in electrical closets	1	ls	1,000.00	1,000	
221		Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	81,452	sf	1.00	81,452	
222		Window sill; Solid surface	3,504	lf	50.00	175,200	
223		Room Signs	81,452	gsf	0.40	32,581	
224		Fire extinguisher cabinets	27	ea	350.00	9,450	
225		Lockers	81,452	gsf	1.60	130,323	
226		Janitors Work Shop Accessories	1	ls	1,500.00	1,500	
227		Janitors Closet Accessories	3	rms	300.00	900	
228		Display cases	81,452	gsf	0.25	20,363	



PDP Report

GFA 81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 5b NEW								
229	Miscellaneous metals throughout building	81,452	sf	1.50	122,178			
230	Miscellaneous sealants throughout building	81,452	sf	1.25	101,815			
231	SUBTOTAL					741,924		
233	TOTAL - INTERIOR CONSTRUCTION							\$2,941,128
236	C20 STAIRCASES							
238	C2010 STAIR CONSTRUCTION							
239	Metal pan stair	2	flt	35,000.00	70,000			
240	Concrete fill to stairs	2	flt	2,000.00	4,000			
241	SUBTOTAL					74,000		
243	C2020 STAIR FINISHES							
244	High performance coating to stairs including all railings etc.	2	flt	3,000.00	6,000			
245	Rubber tile at stairs - landings	200	sf	10.00	2,000			
246	Rubber tile at stairs - treads & risers	240	lft	19.06	4,574			
247	SUBTOTAL					12,574		
249	TOTAL - STAIRCASES							\$86,574
252	C30 INTERIOR FINISHES							
254	C3010 WALL FINISHES							
255	Wall finishes	81,452	sf	8.00	651,616			
256	SUBTOTAL					651,616		
258	C3020 FLOOR FINISHES							
259	Floor finishes	81,452	sf	9.00	733,068			
260	SUBTOTAL					733,068		
262	C3030 CEILING FINISHES							
263	Ceiling finishes	81,452	sf	11.00	895,972			
264	SUBTOTAL					895,972		
266	TOTAL - INTERIOR FINISHES							\$2,280,656
269	D10 CONVEYING SYSTEMS							
271	D1010 ELEVATOR							
272	New two stop elevator	1	ea	140,000.00	140,000			
273	SUBTOTAL					140,000		
275	TOTAL - CONVEYING SYSTEMS							\$140,000
278	D20 PLUMBING							
280	D20 PLUMBING, GENERALLY							
281	Plumbing;	81,452	sf	15.00	1,221,780			
282	SUBTOTAL					1,221,780		
284	TOTAL - PLUMBING							\$1,221,780
287	D30 HVAC							
289	D30 HVAC, GENERALLY							
290	HVAC General; Chilled beam full AC	81,452	sf	49.00	3,991,148			
291	SUBTOTAL					3,991,148		



PDP Report

GFA 81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5b NEW

293	TOTAL - HVAC						\$3,991,148
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294	D40 FIRE PROTECTION						
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297	D40 FIRE PROTECTION, GENERALLY						
298	Fire Protection (no fire pump req'd)	81,452	sf	5.00	407,260		
299	SUBTOTAL					407,260	

300	TOTAL - FIRE PROTECTION						\$407,260
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303	D50 ELECTRICAL						
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306	D5010 SERVICE & DISTRIBUTION						
307	<u>Normal Power</u>						
308	Normal power panelboards and feeders	81,452	sf	5.00	407,260		
309	Emergency power panelboards and feeders	81,452	sf	3.00	244,356		
310	<u>Equipment wiring feed and connection</u>						
311	Equipment wiring feed and connection	81,452	sf	2.00	162,904		
312	SUBTOTAL					814,520	

313	D5020 LIGHTING & POWER						
314	<u>LED lighting allowance</u>						
315	LED lighting allowance	81,452	sf	5.50	447,986		
316	<u>Exit lighting</u>						
317	Exit lighting	81,452	sf	0.25	20,363		
318	<u>Lighting controls</u>						
319	Automated lighting controls system	81,452	sf	1.50	122,178		
320	<u>Branch devices</u>						
321	Branch devices	81,452	sf	0.50	40,726		
322	<u>Lighting and branch circuitry</u>						
323	Branch circuitry	81,452	sf	5.00	407,260		
324	SUBTOTAL					1,038,513	

325	D5030 COMMUNICATION & SECURITY SYSTEMS						
326	<u>Fire Alarm</u>						
327	New FA system	81,452	sf	3.00	244,356		
328	<u>Telephone/Data/CATV</u>						
329	Fit-Out Closets, devices and cabling	81,452	sf	3.00	244,356		
330	<u>Rough-in</u>						
331	Rough-in	81,452	sf	1.00	81,452		
332	<u>Clock/PA System</u>						
333	Clock/PA System	81,452	sf	1.00	81,452		
334	<u>Classroom speech reinforcement</u>						
335	Classroom speech reinforcement	81,452	sf	1.50	122,178		
336	<u>Gymnasium</u>						
337	Stage lighting and dimming system	1	ls	25,000.00	25,000		
338	Sound system	1	ls	10,000.00	10,000		
339	Score board	1	ls	7,500.00	7,500		
340	<u>AV</u>						
341	AV equipment provided by others					By Others	
342	Rough-in only	81,452	sf	1.00	81,452		
343	<u>Security System</u>						
344	Security System	81,452	sf	2.50	203,630		
345	SUBTOTAL					1,101,376	

346	D5040 OTHER ELECTRICAL SYSTEMS						
347	<u>Miscellaneous</u>						
348	Temporary power	81,452	sf	0.35	28,508		
349	Fees & Permits	81,452	sf	0.25	20,363		



PDP Report

GFA

81,452

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5b NEW

349	SUBTOTAL					48,871		
350								
351	TOTAL - ELECTRICAL						\$3,003,280	
352								
353								
354	E10 EQUIPMENT							
355								
356	E10 EQUIPMENT, GENERALLY							
357	Kiln	1	ea	5,000.00	5,000			
358	Electrically operated projection screens	1	loc	15,000.00	15,000			
359	Gym wall pads	1	ls	20,000.00	20,000			
360	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
361	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
362	Volleyball net and standards	1	ls	5,000.00	5,000			
363	Telescoping bleachers	1	ls	60,000.00	60,000			
364	SUBTOTAL					215,000		
365								
366	TOTAL - EQUIPMENT						\$215,000	
367								
368								
369	E20 FURNISHINGS							
370								
371	E2010 FIXED FURNISHINGS							
372	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
373	Window blinds	17,868	sf	7.00	125,076			
374	Counters, base cabinets, tall storage in classrooms and other rooms	81,452	gsf	10.00	814,520			
375	SUBTOTAL					967,096		
376								
377	E2020 MOVABLE FURNISHINGS							
378	All movable furnishings to be provided and installed by owner							
379	SUBTOTAL						NIC	
380								
381	TOTAL - FURNISHINGS						\$967,096	
382								
383								
384	F10 SPECIAL CONSTRUCTION							
385								
386	F10 SPECIAL CONSTRUCTION							
387	No items in this section							
388	SUBTOTAL							
389								
390	TOTAL - SPECIAL CONSTRUCTION							
391								
392								
393	F20 SELECTIVE BUILDING DEMOLITION							
394								
395	F2010 BUILDING ELEMENTS DEMOLITION							
396	No items in this section							
397	SUBTOTAL							
398								
399	F2020 HAZARDOUS COMPONENTS ABATEMENT							
400	See main summary for HazMat allowance						See Summary	
401	SUBTOTAL							
402								
403	TOTAL - SELECTIVE BUILDING DEMOLITION							



CONSTRUCTION COST SUMMARY

<i>BUILDING SYSTEM</i>	<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 5c NEW				
A10 FOUNDATIONS				
A1010 Standard Foundations	\$1,082,967			
A1020 Special Foundations	\$0			
A1030 Lowest Floor Construction	\$883,335	\$1,966,302	\$13.84	4.6%
A20 BASEMENT CONSTRUCTION				
A2010 Basement Excavation	\$0			
A2020 Basement Walls	\$0	\$0	\$0.00	0.0%
B10 SUPERSTRUCTURE				
B1010 Upper Floor Construction	\$1,974,238			
B1020 Roof Construction	\$3,198,803	\$5,173,041	\$36.40	12.1%
B20 EXTERIOR CLOSURE				
B2010 Exterior Walls	\$3,418,839			
B2020 Windows	\$3,299,576			
B2030 Exterior Doors	\$41,368	\$6,759,783	\$47.56	15.8%
B30 ROOFING				
B3010 Roof Coverings	\$2,512,670			
B3020 Roof Openings	\$32,500	\$2,545,170	\$17.91	5.9%
C10 INTERIOR CONSTRUCTION				
C1010 Partitions	\$3,126,662			
C1020 Interior Doors	\$710,605			
C1030 Specialties/Millwork	\$1,248,023	\$5,085,290	\$35.78	11.9%
C20 STAIRCASES				
C2010 Stair Construction	\$148,000			
C2020 Stair Finishes	\$25,149	\$173,149	\$1.22	0.4%
C30 INTERIOR FINISHES				
C3010 Wall Finishes	\$1,136,968			
C3020 Floor Finishes	\$1,279,089			
C3030 Ceiling Finishes	\$1,563,331	\$3,979,388	\$28.00	9.3%
D10 CONVEYING SYSTEMS				
D1010 Elevator	\$280,000	\$280,000	\$1.97	0.7%
D20 PLUMBING				
D20 Plumbing	\$2,131,815	\$2,131,815	\$15.00	5.0%



CONSTRUCTION COST SUMMARY					
<i>BUILDING SYSTEM</i>		<i>SUB-TOTAL</i>	<i>TOTAL</i>	<i>\$/SF</i>	<i>%</i>
OPTION 5c NEW					
D30 HVAC					
D30 HVAC		\$6,963,929	\$6,963,929	\$49.00	16.3%
D40 FIRE PROTECTION					
D40 Fire Protection		\$710,605	\$710,605	\$5.00	1.7%
D50 ELECTRICAL					
D5010 Complete System		\$5,208,600	\$5,208,600	\$36.65	12.2%
E10 EQUIPMENT					
E10 Equipment		\$215,000	\$215,000	\$1.51	0.5%
E20 FURNISHINGS					
E2010 Fixed Furnishings		\$1,635,610			
E2020 Movable Furnishings		NIC	\$1,635,610	\$11.51	3.8%
F10 SPECIAL CONSTRUCTION					
F10 Special Construction		\$0	\$0	\$0.00	0.0%
F20 HAZMAT REMOVALS					
F2010 Building Elements Demolition		\$0			
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00	0.0%
TOTAL DIRECT COST (Trade Costs)			\$42,827,682	\$301.35	100.0%



PDP Report

GFA

142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5c NEW

GROSS FLOOR AREA CALCULATION

First Floor	93,985
Second Floor	48,136

TOTAL GROSS FLOOR AREA (GFA)	142,121 sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	260	CY
Foundation Walls	408	CY
Spread Footings	402	CY
Piers	34	CY
Total Foundation Concrete	1,104	CY

Strip footings

Formwork	4,450	sf	11.00	48,950
Re-bar	26,700	lbs.	1.20	32,040
Concrete material; 3,000 psi	260	cy	130.00	33,800
Placing concrete	260	cy	70.00	18,200

Foundation walls

Formwork	13,350	sf	16.00	213,600
Re-bar	33,375	lbs.	1.20	40,050
Concrete material; 3,000 psi	408	cy	130.00	53,040
Placing concrete	408	cy	70.00	28,560
Form shelf	2,225	lf	10.00	22,250

Spread Footings

Formwork	6,576	sf	15.00	98,640
Re-bar	52,260	lbs.	1.20	62,712
Concrete material; 3,000 psi	402	cy	130.00	52,260
Placing concrete	402	cy	70.00	28,140
Set anchor bolts grout plates	137	ea	150.00	20,550

Piers/Pilasters

Formwork	2,466	sf	18.00	44,388
Re-bar	5,440	lbs	1.20	6,528
Concrete material; 3,000 psi	34	cy	130.00	4,420
Placing concrete	34	cy	80.00	2,720

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Dampproofing at brick shelf				NR
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072100 THERMAL INSULATION

Insulation	6,675	sf	3.00	20,025
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312000 EARTHWORK

Strip footings

Excavation	2,060	cy	15.00	30,900
Remove off site	668	cy	12.00	8,016
Backfill with imported material	1,392	cy	30.00	41,760

Spread footings

Excavation	1,624	cy	16.00	25,984
Remove off site	402	cy	12.00	4,824
Backfill with imported material	1,222	cy	30.00	36,660

Miscellaneous

Perimeter drain	2,225	lf	22.00	48,950
Underslab E&B for plumbing	1	ls	30,000.00	30,000



PDP Report

GFA

142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 5c NEW								
60	Dewatering for foundation work	1	ls	25,000.00	25,000			
61	SUBTOTAL					1,082,967		
62								
63	A1020 SPECIAL FOUNDATIONS							
64	No work in this section							
65	SUBTOTAL					-		
66								
67	A1030 LOWEST FLOOR CONSTRUCTION							
68	<u>New Slab on grade, 5" thick</u>							
69	Gravel fill, 12"	2,332	cy	40.00	93,280			
70	Rigid insulation; 2ft at perimeter	4,450	sf	2.25	10,013			
71	Vapor barrier	93,985	sf	0.75	70,489			
72	Compact existing sub-grade	93,985	sf	0.50	46,993			
73	Mesh reinforcing 15% lap	108,083	sf	1.10	118,891			
74	Concrete - 5" thick; 4,000 psi	1,535	cy	135.00	207,225			
75	Placing concrete	1,535	cy	45.00	69,075			
76	Finishing and curing concrete	93,985	sf	2.00	187,970			
77	Control joints - saw cut	93,985	sf	0.10	9,399			
78	<u>Miscellaneous</u>							
79	Elevator pit	2	loc	35,000.00	70,000			
80	SUBTOTAL					883,335		
81								
82	TOTAL - FOUNDATIONS							\$1,966,302
83								
84								
85	A20 BASEMENT CONSTRUCTION							
86								
87	A2010 BASEMENT EXCAVATION							
88	No Work in this section							
89	SUBTOTAL					-		
90								
91	A2020 BASEMENT WALLS							
92	No Work in this section							
93	SUBTOTAL					-		
94								
95	TOTAL - BASEMENT CONSTRUCTION							
96								
97								
98	B10 SUPERSTRUCTURE							
99		13.00	lbs/sf			-		
100	B1010 FLOOR CONSTRUCTION	924	tns			-		
101	<u>Floor Structure - Steel:</u>							
102	Steel beams and columns, 13#/SF	313	tns	4,000.00	1,252,000			
103	Premium for HSS	78	tns	300.00	23,400			
104	Shear studs	9,627	ea	2.50	24,068			
105	<u>Floor Structure</u>							
106	2" 18 Ga. Metal galvanized floor Deck	48,136	sf	4.00	192,544			
107	WWF reinforcement	55,356	sf	1.10	60,892			
108	Concrete Fill to metal deck; 5-1/4" Light Weight	819	cy	175.00	143,325			
109	Place and finish concrete	48,136	sf	2.00	96,272			
110	Rebar to decks	14,441	lbs	1.20	17,329			
111	Misc. angles	48,136	sf	0.50	24,068			
112	<u>Miscellaneous</u>							
113	Fire proofing to columns and beams	48,136	sf	2.50	120,340			
114	Fire stopping floors	1	ls	20,000.00	20,000			



PDP Report

GFA

142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5c NEW

115 SUBTOTAL 1,974,238

116

117 **B1020 ROOF CONSTRUCTION**

118 Roof Structure - Steel:

119 Steel beams and columns, 13#/SF 611 tns 4,000.00 2,444,000

120 Premium for HSS 153 tns 300.00 45,900

121 Roof Structure

122 1-1/2" 20 Ga. galvanized Metal Roof Deck 93,985 sf 3.50 328,948

123 Premium for acoustic deck at gym 7,200 sf 5.50 39,600

124 Miscellaneous

125 Concrete at roof, allow 10,000 sf 8.00 80,000

126 Fire proofing to columns, beams and deck 86,785 sf 3.00 260,355

127 SUBTOTAL 3,198,803

128

129 **TOTAL - SUPERSTRUCTURE \$5,173,041**

130

131 **B20 EXTERIOR CLOSURE**

132 **B2010 EXTERIOR WALLS**

133 Exterior Wall Area - Solid Assume 60% 40,050 sf

134 042000 MASONRY

135 New brick exterior wall - 80% 32,040 sf 40.00 1,281,600

136 Staging to exterior wall 66,750 sf 4.00 267,000

137 055000 MISC. METALS

138 Stainless steel sign at main entrance 1 ls 10,000.00 10,000

139 Misc. metals at masonry 32,040 sf 1.50 48,060

140 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

141 Air barrier 40,050 sf 7.00 280,350

142 Air barrier/flashing at windows 15,706 lf 6.25 98,163

143 Miscellaneous sealants to closure 40,050 sf 1.00 40,050

144 072100 THERMAL INSULATION

145 Insulation 40,050 sf 2.25 90,113

146 076400 CLADDING

147 Metal panel; 20% of solid area 8,010 sf 75.00 600,750

148 Roof equipment screen 1 ls 100,000.00 100,000

149 092900 GYPSUM BOARD ASSEMBLIES

150 6" metal stud backup 40,050 sf 9.00 360,450

151 Gypsum Sheathing 40,050 sf 2.75 110,138

152 Drywall lining to interior face of stud backup 40,050 sf 3.30 132,165

153 SUBTOTAL 3,418,839

154

155 **B2020 WINDOWS**

156 Exterior Wall Area - Glazed Assume 40% 26,700 sf

157 061000 ROUGH CARPENTRY

158 Wood blocking at openings 15,706 lf 12.00 188,472

159 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

160 Backer rod & double sealant 15,706 lf 9.00 141,354

161



PDP Report

GFA 142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5c NEW

172								
173	080001	METAL WINDOWS						
174		Windows, double glazed; 60% of glazed area	16,020	sf	95.00	1,521,900		
175		Curtainwall, double glazed; 40% of glazed area	10,680	sf	120.00	1,281,600		
176		Sunshades; horizontal	1	ls	150,000.00	150,000		
177								
178	089000	LOUVERS						
179		Louvers	250	sf	65.00	16,250		
180		SUBTOTAL					3,299,576	
181								
182	B2030	EXTERIOR DOORS						
183		Glazed entrance doors including frame and hardware; double door	4	pr	8,000.00	32,000		
184		Glazed entrance doors including frame and hardware; single door	2	ea	4,000.00	8,000		
185		Backer rod & double sealant	114	lf	9.00	1,026		
186		Wood blocking at openings	114	lf	3.00	342		
187		SUBTOTAL					41,368	
188								
189	TOTAL - EXTERIOR CLOSURE							\$6,759,783

B30 ROOFING

192								
193								
194	B3010	ROOF COVERINGS						
195		Roofing complete	93,985	sf	22.00	2,067,670		
196		Fascia/soffits	2,225	lf	200.00	445,000		
197		SUBTOTAL					2,512,670	
198								
199	B3020	ROOF OPENINGS						
200		Skylights, allow	1	ls	30,000.00	30,000		
201		Roof hatch	1	loc	2,500.00	2,500		
202		SUBTOTAL					32,500	
203								
204	TOTAL - ROOFING							\$2,545,170

C10 INTERIOR CONSTRUCTION

207							
208							
209	C1010	PARTITIONS					
210		Miscellaneous partitions - glazing, GWB assemblies, etc.	142,121	gsf	22.00	3,126,662	
211		SUBTOTAL					3,126,662
212							
213	C1020	INTERIOR DOORS					
214		Doors; complete	142,121	gsf	5.00	710,605	
215		SUBTOTAL					710,605
216							
217							
218	C1030	SPECIALTIES / MILLWORK					
219		Toilet Partitions and accessories	142,121	gsf	0.80	113,697	
220		Backer panels in electrical closets	1	ls	1,000.00	1,000	
221		Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms	142,121	sf	1.00	142,121	
222		Window sill; Solid surface	5,235	lf	50.00	261,750	
223		Room Signs	142,121	gsf	0.40	56,848	
224		Fire extinguisher cabinets	47	ea	350.00	16,450	
225		Lockers	142,121	gsf	1.60	227,394	
226		Janitors Work Shop Accessories	1	ls	1,500.00	1,500	
227		Janitors Closet Accessories	3	rms	300.00	900	
228		Display cases	142,121	gsf	0.25	35,530	



PDP Report

GFA 142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5c NEW

229	Miscellaneous metals throughout building	142,121	sf	1.50	213,182			
230	Miscellaneous sealants throughout building	142,121	sf	1.25	177,651			
231	SUBTOTAL					1,248,023		
232								
233	TOTAL - INTERIOR CONSTRUCTION						\$5,085,290	

C20 STAIRCASES

238	C2010 STAIR CONSTRUCTION							
239	Metal pan stair	4	flt	35,000.00	140,000			
240	Concrete fill to stairs	4	flt	2,000.00	8,000			
241	SUBTOTAL					148,000		
242								
243	C2020 STAIR FINISHES							
244	High performance coating to stairs including all railings etc.	4	flt	3,000.00	12,000			
245	Rubber tile at stairs - landings	400	sf	10.00	4,000			
246	Rubber tile at stairs - treads & risers	480	lft	19.06	9,149			
247	SUBTOTAL					25,149		
248								
249	TOTAL - STAIRCASES						\$173,149	

C30 INTERIOR FINISHES

254	C3010 WALL FINISHES							
255	Wall finishes	142,121	sf	8.00	1,136,968			
256	SUBTOTAL					1,136,968		
257								
258	C3020 FLOOR FINISHES							
259	Floor finishes	142,121	sf	9.00	1,279,089			
260	SUBTOTAL					1,279,089		
261								
262	C3030 CEILING FINISHES							
263	Ceiling finishes	142,121	sf	11.00	1,563,331			
264	SUBTOTAL					1,563,331		
265								
266	TOTAL - INTERIOR FINISHES						\$3,979,388	

D10 CONVEYING SYSTEMS

271	D1010 ELEVATOR							
272	New two stop elevator	2	ea	140,000.00	280,000			
273	SUBTOTAL					280,000		
274								
275	TOTAL - CONVEYING SYSTEMS						\$280,000	

D20 PLUMBING

280	D20 PLUMBING, GENERALLY							
281	Plumbing;	142,121	sf	15.00	2,131,815			
282	SUBTOTAL					2,131,815		
283								
284	TOTAL - PLUMBING						\$2,131,815	

D30 HVAC

289	D30 HVAC, GENERALLY						
290	HVAC General; Chilled beam full AC	142,121	sf	49.00	6,963,929		
291	SUBTOTAL					6,963,929	
292							



PDP Report

GFA 142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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OPTION 5c NEW

293	TOTAL - HVAC						\$6,963,929
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294
295
296 **D40 FIRE PROTECTION**

297	D40 FIRE PROTECTION, GENERALLY						
298	Fire Protection (no fire pump req'd)	142,121	sf	5.00	710,605		
299	SUBTOTAL					710,605	

300	TOTAL - FIRE PROTECTION						\$710,605
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303
304
305 **D50 ELECTRICAL**

306	D5010 SERVICE & DISTRIBUTION						
307	<u>Normal Power</u>						
308	Normal power panelboards and feeders	142,121	sf	5.00	710,605		
309	Emergency power panelboards and feeders	142,121	sf	3.00	426,363		
310	<u>Equipment wiring feed and connection</u>						
311	Equipment wiring feed and connection	142,121	sf	2.00	284,242		
312	SUBTOTAL					1,421,210	

313	D5020 LIGHTING & POWER						
314	<u>LED lighting allowance</u>						
315	LED lighting allowance	142,121	sf	5.50	781,666		
316	<u>Exit lighting</u>						
317	Exit lighting	142,121	sf	0.25	35,530		
318	<u>Lighting controls</u>						
319	Automated lighting controls system	142,121	sf	1.50	213,182		
320	<u>Branch devices</u>						
321	Branch devices	142,121	sf	0.50	71,061		
322	<u>Lighting and branch circuitry</u>						
323	Branch circuitry	142,121	sf	5.00	710,605		
324	SUBTOTAL					1,812,044	

325	D5030 COMMUNICATION & SECURITY SYSTEMS						
326	<u>Fire Alarm</u>						
327	New FA system	142,121	sf	3.00	426,363		
328	<u>Telephone/Data/CATV</u>						
329	Fit-Out Closets, devices and cabling	142,121	sf	3.00	426,363		
330	<u>Rough-in</u>						
331	Rough-in	142,121	sf	1.00	142,121		
332	<u>Clock/PA System</u>						
333	Clock/PA System	142,121	sf	1.00	142,121		
334	<u>Classroom speech reinforcement</u>						
335	Classroom speech reinforcement	142,121	sf	1.50	213,182		
336	<u>Gymnasium</u>						
337	Stage lighting and dimming system	1	ls	25,000.00	25,000		
338	Sound system	1	ls	10,000.00	10,000		
339	Score board	1	ls	7,500.00	7,500		
340	<u>AV</u>						
341	AV equipment provided by others					By Others	
342	<u>Rough-in only</u>						
343	Rough-in only	142,121	sf	1.00	142,121		
344	<u>Security System</u>						
345	Security System	142,121	sf	2.50	355,303		
346	SUBTOTAL					1,890,074	

347	D5040 OTHER ELECTRICAL SYSTEMS						
348	<u>Miscellaneous</u>						
349	Temporary power	142,121	sf	0.35	49,742		
350	Fees & Permits	142,121	sf	0.25	35,530		



PDP Report

GFA 142,121

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
OPTION 5c NEW								
349	SUBTOTAL					85,272		
350	TOTAL - ELECTRICAL							\$5,208,600
351	E10 EQUIPMENT							
352	E10 EQUIPMENT, GENERALLY							
353	Kiln	1	ea	5,000.00	5,000			
354	Electrically operated projection screens	1	loc	15,000.00	15,000			
355	Gym wall pads	1	ls	20,000.00	20,000			
356	Basketball backstops; swing up; electric operated	8	loc	10,000.00	80,000			
357	Gymnasium dividing net; electrically operated	1	ls	30,000.00	30,000			
358	Volleyball net and standards	1	ls	5,000.00	5,000			
359	Telescoping bleachers	1	ls	60,000.00	60,000			
360	SUBTOTAL					215,000		
361	TOTAL - EQUIPMENT							\$215,000
362	E20 FURNISHINGS							
363	E2010 FIXED FURNISHINGS							
364	Entry mats & frames - recessed with carpet/rubber strips	500	sf	55.00	27,500			
365	Window blinds	26,700	sf	7.00	186,900			
366	Counters, base cabinets, tall storage in classrooms and other rooms	142,121	gsf	10.00	1,421,210			
367	SUBTOTAL					1,635,610		
368	E2020 MOVABLE FURNISHINGS							
369	All movable furnishings to be provided and installed by owner							
370	SUBTOTAL						NIC	
371	TOTAL - FURNISHINGS							\$1,635,610
372	F10 SPECIAL CONSTRUCTION							
373	F10 SPECIAL CONSTRUCTION							
374	No items in this section							
375	SUBTOTAL							
376	TOTAL - SPECIAL CONSTRUCTION							
377	F20 SELECTIVE BUILDING DEMOLITION							
378	F2010 BUILDING ELEMENTS DEMOLITION							
379	No items in this section							
380	SUBTOTAL							
381	F2020 HAZARDOUS COMPONENTS ABATEMENT							
382	See main summary for HazMat allowance							See Summary
383	SUBTOTAL							
384	TOTAL - SELECTIVE BUILDING DEMOLITION							

