

Schematic Design
Lincoln School
Lincoln, MA

1-Oct-18

Drawings Dated: September 12, 2018

Designer: SMMA

Estimator: A. M. Fogarty & Associates, Inc.

ADDITION				11,571,558
SITework				9,607,617
RENOVATION				34,694,293
TEMPORARY MODULARS				3,400,000
PV PANELS				2,500,000
HAZARDOUS WASTE REMOVAL				715,380

TOTAL DIRECT COST				62,488,847
DESIGN CONTINGENCY		10%		6,248,885
CM CONTINGENCY		2.5%		1,718,443
ESCALATION (winter 2020)		4%		2,818,247
GENERAL CONDITIONS	36	MOS	\$135,000	4,860,000
GENERAL REQUIREMENTS/PHASING			4%	3,125,377
SUB GUARD (non filed trade)				250,000
BUILDING PERMIT		waived		
P&P BOND		0.85%		692,833
GENERAL LIABILITY INSURANCE		1.35%		1,109,736
FEE		2%		1,666,247

			TOTAL CONSTRUCTION COST	84,978,615
			COST PER S.F.	\$513.03

ALTERNATES:

ADD ALTERNATE NO. 1 - ADD WIRELESS MICROPHONES	\$79,172
ADD ALTERNATE NO. 2 - VIDEO RECORDING/STREAMING	\$12,748
ADD ALTERNATE NO. 3 - BROADCAST VIDEO	\$33,610
ADD ALTERNATE NO. 4 - LECTURE HALL VIDEO	\$12,470

PROJECT: Lincoln School
 LOCATION: Lincoln, MA
 CLIENT: SMMA Architects
 DATE: 01-Oct-18

NO. OF SQ. FT.: 39,905
 COST PER SQ. FT.: \$530.74

SUMMARY

ADDITION & SITEWORK

No.: 18073

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 02 - EXISTING CONDITIONS			
024100 DEMOLITION	0	0%	0.00
024180 ASBESTOS ABATEMENT	0	0%	0.00
DIVISION 03 - CONCRETE			
033000 CAST IN PLACE CONCRETE	935,293	4%	23.44
DIVISION 04 - MASONRY			
040001 MASONRY*	468,609	2%	11.74
DIVISION 05 - METALS			
050001 MISCELLANEOUS & ORNAMENTAL IRON*	63,813	0%	1.60
051200 STRUCTURAL STEEL	1,024,600	5%	25.68
053100 STEEL DECKING	121,265	1%	3.04
054000 COLD FORMED METAL FRAMING	0	0%	0.00
DIVISION 06 - WOOD, PLASTICS & COMPOSITES			
061000 ROUGH CARPENTRY	136,643	1%	3.42
062000 FINISH CARPENTRY	113,500	1%	2.84
DIVISION 07 - THERMAL & MOISTURE PROTECTION			
070001 DAMPPROOF., WATERPROOF. & CAULKING*	81,818	0%	2.05
070002 ROOFING AND FLASHING*	1,275,125	6%	31.95
071326 AIR & VAPOR BARRIERS	157,380	1%	3.94
072100 INSULATION	311,374	1%	7.80
074000 WALL PANELS & TRIM	0	0%	0.00
078100 FIREPROOFING	0	0%	0.00
079500 EXPANSION CONTROL	130,460	1%	3.27
DIVISION 08 - OPENINGS			
080001 FIBERGLASS WINDOWS*	939,465	4%	23.54
080002 GLASS AND GLAZING*	67,930	0%	1.70
081113 HOLLOW METALWORK	42,114	0%	1.06
081416 WOOD AND PLASTIC DOORS	45,040	0%	1.13
083323 SPECIAL DOORS	19,953	0%	0.50
084433 SLOPED GLAZING ASSEMBLIES	0	0%	0.00
087100 DOOR HARDWARE	80,700	0%	2.02

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 09 - FINISHES			
090002 TILE*	216,570	1%	5.43
090003 ACOUSTICAL TILE*	239,553	1%	6.00
090005 RESILIENT FLOORING*	178,055	1%	4.46
090007 PAINTING*	171,899	1%	4.31
092116 GYPSUM WALLBOARD	651,411	3%	16.32
095000 WOOD & ATHLETIC FLOOR	0	0%	0.00
096800 CARPET	39,160	0%	0.98
097700 FIBERGLASS REINF. PLASTIC WALL PANELS	0	0%	0.00
098400 ACOUSTICAL WALL TREATMENT	24,000	0%	0.60
098500 RESINOUS FLOORING	0	0%	0.00
DIVISION 10 - SPECIALTIES			
101100 MARKERBOARDS & TACKBOARDS	39,950	0%	1.00
101400 IDENTIFYING DEVICES	12,739	0%	0.32
101453 TRAFFIC SIGNAGE	0	0%	0.00
102113 COMPARTMENTS & CUBICLES	7,740	0%	0.19
102600 PREFABRICATED SPECIALTIES	0	0%	0.00
102813 TOILET & BATH ACCESSORIES	6,910	0%	0.17
105113 LOCKERS	0	0%	0.00
107413 EXTERIOR CLOCKS	0	0%	0.00
109000 MISCELLANEOUS SPECIALTIES	40,540	0%	1.02
DIVISION 11 - EQUIPMENT			
110000 THEATRICAL EQUIPMENT	0	0%	0.00
113100 APPLIANCES	0	0%	0.00
114000 FOOD SERVICE EQUIPMENT	0	0%	0.00
115213 PROJECTION SCREENS	0	0%	0.00
116143 STAGE DRAPERY	0	0%	0.00
116600 ATHLETIC & SPORTS EQUIPMENT	0	0%	0.00
119000 MISC. EQUIPMENT	0	0%	0.00
DIVISION 12 - FURNISHINGS			
122413 ROLLER SHADES	110,502	1%	2.77
123553 CLASSROOM CASEWORK	73,993	0%	1.85
124813 MATS	18,735	0%	0.47

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 13 - SPECIAL CONSTRUCTION			
134800 FLOATING SLAB SYSTEM	0	0%	0.00
DIVISION 14 - CONVEYING EQUIPMENT			
140001 ELEVATORS*	0	0%	0.00
DIVISION 21 - FIRE SUPPRESSION			
210001 FIRE SUPPRESSION*	179,573	1%	4.50
DIVISION 22 - PLUMBING			
220001 PLUMBING*	346,090	2%	8.67
DIVISION 23 - HVAC			
230001 HVAC*	1,433,697	7%	35.93
DIVISION 26 - ELECTRICAL			
260001 ELECTRICAL*	1,765,362	8%	44.24
DIVISION 31 - EARTHWORK			
310000 EARTHWORK	2,205,241	10%	55.26
311000 SITE PREPARATION & CLEARING	1,061,299	5%	26.60
DIVISION 32 - EXTERIOR IMPROVEMENTS			
321000 PAVEMENT, CURBING & EDGING	1,963,394	9%	49.20
323100 SITE IMPROVEMENTS	1,428,739	7%	35.80
328000 IRRIGATION	0	0%	0.00
329000 LANDSCAPING	629,416	3%	15.77
DIVISION 33 - UTILITIES			
330000 UTILITIES	2,319,527	11%	58.13
DIRECT COST	----- 21,179,174	100%	530.74

*DENOTES FILED SUB-BID

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 03 - CONCRETE				
033000 CAST IN PLACE CONCRETE				
Foundations:				
Column Footing - 18" d (168 ea):				
4000 psi, NW, (incl. placement)	225	CY	205.00	46,125
Formwork	6,612	SFCA	9.25	61,161
Rebar	16,875	LBS	1.20	20,250
<i>*unit cost \$566.83</i>				
Perim Wall Footing (1' x 3' - 1,260 LF):				
4000 psi, NW, (incl. placement)	140	CY	205.00	28,700
Formwork	2,520	SFCA	7.00	17,640
Rebar	7,000	LBS	1.20	8,400
<i>*unit cost \$391.00</i>				
Foundation Frost Wall 16" x 4' deep (1,287 lf):				
4000 psi, NW, (incl. placement)	254	CY	210.00	53,340
Formwork	10,296	SFCA	13.00	133,848
Brick Shelf	1,287	LF	14.50	18,662
Reinforcing steel	38,100	LBS	1.20	45,720
<i>*unit cost \$990.43</i>				
Grade Beam @ Brace Frame - (2'x2'6" 300 - lf):				
4000 psi, NW, (incl. placement)	56	CY	210.00	11,760
Formwork	1,800	SFCA	15.00	27,000
Rebar (50#/lf)	7,000	LBS	1.20	8,400
<i>*unit cost \$842.14</i>				
Loading Dock	1	LS	25,000.00	25,000
Loading Dock Stair	1	LS	5,500.00	5,500
Mechanical pads - allow	1	LS	5,000.00	5,000
Pier and Pilaster	1	LS	35,000.00	35,000
Tie into existing foundations	1	LS	50,000.00	50,000
Anchor bolt and grouting	164	EA	235.00	38,540
Slab on Grade:				
5" Slab on Grade - Typ:				
4,000 psi, NW, (incl. placement)	603	CY	215.00	129,645
6x6 W2.9 X W2.9	39,036	SF	1.53	59,725
Control Joint	2,600	LF	2.60	6,760
Depressed slab edge	200	LF	5.50	1,100
Trowel Finish	39,036	SF	2.20	85,879
<i>*unit cost \$7.25</i>				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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Ext. 6" Entry Stoop		W / Site Paving		
Floor Finishes:				
Sealed Concrete	6,069	SF	2.00	12,138

				935,293

DIVISION 04 - MASONRY

040001 MASONRY*

Exterior Walls:				
Brick Veneer	12,648	SF	33.75	426,870
Precast Concrete		n/a		
Masonry Partition:				
M6A.U	1,819	SF	19.85	36,107
M8A.U	256	SF	22.00	5,632

				468,609

DIVISION 05 - METALS

050001 MISCELLANEOUS & ORNAMENTAL IRON*

Exterior Walls:				
Galv, loose lintel	12,648	GSF	1.00	12,648
Interior:				
Op Partition - support	32	LF	175.00	5,600
CMU part. angle brace frame - 4' 0C	44	EA	105.00	4,620
Loose lintels	40	LF	26.00	1,040
Misc. metals	39,905	GSF	1.00	39,905

				63,813

051200 STRUCTURAL STEEL

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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Roof Frame :

Structural Steel (12 lbs/sf @41,000 sf)	246	TONS	3,850.00	947,100
Moment Connection	50	EA	750.00	37,500
Relieving angle	1	LS	40,000.00	40,000

				1,024,600

053100 STEEL DECKING

R1 Deck	38,900	SF	2.95	114,755
R3 Deck	2,100	SF	3.10	6,510

				121,265

054000 COLD FORMED METAL FRAMING

0

DIVISION 06 - WOOD, PLASTICS & COMPOSITES

061000 ROUGH CARPENTRY

Roof Blocking:

Flat Roof	22,799	SF	1.50	34,199
Sloped Roof	18,201	SF	1.50	27,302

Exterior Windows and Doors

P.T. blocking 2x8- perim ext open.	1,646	LF	5.65	9,300
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Interior Blocking

Misc. rough carpentry	39,905	GSF	0.65	25,938
	39,905	GSF	1.00	39,905

136,643

062000 FINISH CARPENTRY

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Fittings:				
Finish Carpentry:				
Utility & closet shelving	1	LS	5,000.00	5,000
Typ. window sill/apron	375	LF	46.00	17,250
Misc. Millwork:				
Interior Running Trim and Panels	1	LS	20,000.00	20,000
Built - in Bench:				
Exterior Bench	125	LF	450.00	56,250
Interior Bench	1	LS	15,000.00	15,000

				113,500

DIVISION 07 - THERMAL & MOISTURE PROTECTION

070001 DAMPPROOF., WATERPROOF. & CAULKING*

Foundations:				
Foundation dampproofing - 4' d	5,148	SF	2.05	10,553
Exterior Walls:				
Ext Control joints	1	LS	25,000.00	25,000
Exterior Windows:				
Exterior sealants - perim. ext open.	1,646	LF	7.50	12,345
Partitions:				
Joint sealants	39,905	GSF	0.85	33,919

				81,818

070002 ROOFING AND FLASHING*

Roofing:				
New Membrane Roof w/ 9" Insul	22,799	SF	22.50	512,978
Asphalt Shingle Roof w/ 9" Nailable RI	18,201	SF	21.00	382,221
Alum Roof Flashing - flat	22,799	SF	3.50	79,797
Alum Roof Flashing - sloped	18,201	SF	5.00	91,005
Walkway pads -allow	500	SF	5.25	2,625

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Roof Accessories				
Roof Hatch	2	EA	4,500.00	9,000
New Skylight	250	SF	150.00	37,500
Solid Phenolic Soffit / Ceiling Panel	2,000	SF	80.00	160,000

				1,275,125
071326 AIR & VAPOR BARRIERS				
Slab on Grade:				
Stegro vapor barrier (15 mil)	39,036	SF	0.88	34,352
Adhered air & vapor barrier - wall :				
Typical wall	12,648	SF	7.50	94,860
Soffit and overhang	2,000	SF	7.50	15,000
Exterior Windows:				
Flex flashing - perim ext open.	1,646	LF	8.00	13,168

				157,380
072100 INSULATION				
Foundations:				
4" Rigid ext. found. insul - 4 'd	5,148	SF	4.95	25,483
Slab on Grade:				
4" Rigid Slab Insul.	39,036	SF	3.95	154,192
Exterior Walls:				
Typ Exterior Wall:				
8" Mineral Wool	12,648	SF	8.95	113,200
Exterior Ceiling Insulation @ :				
Soffit - allow	2,000	SF	9.25	18,500

				311,374

074000 WALL PANELS & TRIM

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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0

078100 FIREPROOFING

Fireproofing		n/a		
				----- 0

079500 EXPANSION CONTROL

Partitions:

Expansion joints	1	LS	10,000.00	10,000
Roof Expansion Joint				
Horz. - Expansion joint	1,268	LF	95.00	120,460
				----- 130,460

DIVISION 08 - OPENINGS

080001 FIBERGLASS WINDOWS*

Windows:

Curtainwall	3,371	SF	125.00	421,375
Storefront	571	SF	95.00	54,245
Windows	1,434	SF	95.00	136,230
Allow for Panning and Sills	5,376	SF	10.00	53,760

Exterior Doors:

8' Fiberglass Doors (Incl. Hardware):				
Main entry - dbl	7	PR	8,400.00	58,800
Classroom - sgl	3	EA	4,150.00	12,450

Interior Fiberglass (Frame, Door, Glass, Glazing and Hdw):

8' Vest - dbl	8	PR	8,000.00	64,000
Media Center - dbl	1	PR	8,000.00	8,000

Interior Fiberglass Storefront Frame, Glass & Glazing (3/8" glass):

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Vestibules	958	SF	85.00	81,430
Media Center	515	SF	85.00	43,775
Main office/ vestibule security window (2 EA)	24	SF	225.00	5,400

				939,465
080002 GLASS AND GLAZING*				
Glass & Glazing @ Interior HMDoor:				
Sidelight Glazing	470	SF	44.00	20,680
Folding Wall:				
Nano Wall - 9'	270	SF	175.00	47,250

				67,930
081113 HOLLOW METALWORK				
Exterior Doors:				
Insulated HM Doors and Frame:				
Mech Rm - sgl	3	EA	900.00	2,700
Receiving - dbl	1	EA	1,600.00	1,600
Int. HM Frame:				
Single Door 7'H	41	EA	290.00	11,890
Double Door 7'H	12	EA	305.00	3,660
Sidelight Frame (2'x7')	23	EA	672.00	15,456
Sidelight frame - 7'	148	SF	46.00	6,808

				42,114
081416 WOOD AND PLASTIC DOORS				
Oak SC Wood Door - Prefinished :				
Admin - sgl	17	EA	675.00	11,475
Bathroom - sgl	2	EA	575.00	1,150
Classroom - sgl	15	EA	610.00	9,150
Corridor - dbl	6	EA	1,150.00	6,900
MEP - sgl	2	EA	1,220.00	2,440
MEP - dbl	5	EA	1,300.00	6,500

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Storage - sgl	5	EA	1,200.00	6,000
Storage - dbl	1	EA	1,425.00	1,425

				45,040

083323 SPECIAL DOORS

Access panels	39,905	GSF	0.50	19,953

				19,953

087100 DOOR HARDWARE

Auto opener:				
Main entry	2	LOC	7,600.00	15,200
Ext HM Door HDW SET:				
Mech Rm - sgl	3	EA	850.00	2,550
Receiving - dbl	1	EA	1,850.00	1,850
Interior Hardware Set:				
Admin - sgl	17	EA	750.00	12,750
Bathroom - sgl	2	EA	875.00	1,750
Classroom - sgl	15	EA	950.00	14,250
Corridor - dbl	6	EA	3,500.00	21,000
MEP - sgl	2	EA	650.00	1,300
MEP - dbl	5	EA	1,300.00	6,500
Storage - sgl	5	EA	550.00	2,750
Storage - dbl	1	EA	800.00	800

				80,700

DIVISION 09 - FINISHES

090002 TILE*

Bathrooms:				
Ceramic floor tile	955	SF	26.00	24,830
Ceramic wall base	232	LF	11.00	2,552
Stone threshold - allow	4	EA	150.00	600

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Ceramic Wall Tile - 7'high	1,624	SF	24.00	38,976
Porcelain Tile Flooring:				
Commons	5,694	SF	21.00	119,574
PT Wainscott - 4'	716	SF	24.00	17,184
Corridor:				
Glazed wall base	779	LF	16.50	12,854

				216,570
090003 ACOUSTICAL TILE*				
Ceiling Finishes:				
ATC-1 2 x 2	8,815	SF	4.85	42,753
ATC-2 Metalworks	7,872	SF	25.00	196,800

				239,553
090005 RESILIENT FLOORING*				
Linoleum Tile:				
Linoleum - Classroom	11,288	SF	7.50	84,660
Linoleum - Corridor	6,586	SF	7.50	49,395
Linoleum - Misc Area	5,000	SF	6.80	34,000
Rubber base	4,000	LF	2.50	10,000

				178,055
090007 PAINTING*				
Interior Painting				
Interior Painting	39,905	SF	3.50	139,668
Paint Gyp Ceiling	7,332	SF	1.00	7,332
Paint Exposed Structure	13,833	SF	1.80	24,899

				171,899

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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092116 GYPSUM WALLBOARD

Partitions:

Drywall Partitions :

C6B.U	691	SF	10.20	7,048
C8B.U	1,651	SF	13.70	22,619
Chase	209	SF	8.70	1,818
G3C.1	1,956	SF	16.75	32,763
G3C.U	16,307	SF	16.00	260,912
G3D.U	128	SF	12.40	1,587
G6A.U	387	SF	13.40	5,186
Load, Distribute and Misc.	39,905	GSF	0.40	15,962

Ceiling Finishes:

Gyp Ceiling	7,332	SF	11.00	80,652
Misc. Ceiling and Soffit	39,905	SF	1.00	39,905

Exterior Wall:

Exterior Wall:

6" x 18 ga. Metal Stud	12,648	SF	9.75	123,318
1/2" Dens glass sheathing	12,648	SF	3.15	39,841

Soffit and Overhang:

6" x 18 ga. Metal Stud	2,000	SF	6.75	13,500
1/2" Dens glass sheathing	2,000	SF	3.15	6,300

651,411

096800 CARPET

Carpet	7,832	SF	5.00	39,160
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39,160

098400 ACOUSTICAL WALL TREATMENT

Fabric Wrapped Acoustical Panels:

Misc. Panels	750	SF	32.00	24,000
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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24,000

098500 RESINOUS FLOORING

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DIVISION 10 - SPECIALTIES

101100 MARKERBOARDS & TACKBOARDS

Marker Boards w/Map Rail - 4' H:

Classroom - 4'x8'	42	EA	600.00	25,200
Misc. Markerboard	5	EA	600.00	3,000

Tack boards - 4' H:

Classroom - 4'x4'	42	SF	250.00	10,500
Misc. Tack board	5	EA	250.00	1,250

39,950

101400 IDENTIFYING DEVICES

Room ID sign	53	EA	150.00	7,950
Misc Int. ADA signage	39,905	GSF	0.12	4,789

12,739

102113 COMPARTMENTS & CUBICLES

Solid Plastic Toilet Partitions:

Std. partition	4	EA	1,220.00	4,880
HC partition	2	EA	1,430.00	2,860

7,740

102813 TOILET & BATH ACCESSORIES

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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Furnish & Install Toilet Rm Accessories:

Elec hand dryer	4	EA	950.00	3,800
Tilt mirror @ wall hung lav	6	EA	225.00	1,350
TP Holder	8	EA	48.00	384
Grab bars	8	EA	95.00	760
San. prod. disposal	4	EA	60.00	240
Coat hook -allow	8	EA	22.00	176
Janitor shelf	1	EA	200.00	200

6,910

109000 MISCELLANEOUS SPECIALTIES

Misc Wall & corner guards - allow	1	LS	3,000.00	3,000
Fire extinguisher and cab	5	EA	510.00	2,550
Fire extinguisher & bracket	5	EA	385.00	1,925
AED cabinets	1	EA	750.00	750
Partitions:				
Operable Partition	281	SF	115.00	32,315

40,540

119000 MISC. EQUIPMENT

Metal storage shelving		NIC		
Library equipment		NIC		

0

DIVISION 12 - FURNISHINGS

122413 ROLLER SHADES

Ext Caf� motor op shade	3,371	SF	28.00	94,388
Ext Meco Shade - Manual:				
Punched wind.	1,434	SF	7.75	11,114

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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Int blinds @ wind, sl & storefront per Note 3.3.40	1	LS	5,000.00	5,000

				110,502

123553 CLASSROOM CASEWORK

A1 - CL Rm Base, PL Counter and Wall Cabinet	10	LF	610.00	6,100
A1 - Admin Base, SS Counter and Wall Cabinet	7	LF	670.00	4,690
Science Rm Epoxy Counter and Cab.	35	LF	750.00	26,250
A3 - Tall Storage Unit	34	LF	500.00	17,000
Misc. Built-ins	39,905	GSF	0.50	19,953

				73,993

124813 MATS

Walk off mat	1,249	SF	15.00	18,735

				18,735

DIVISION 21 - FIRE SUPPRESSION

210001 FIRE SUPPRESSION*

Sprinkler System	39,905	SF	4.50	179,573

				179,573

DIVISION 22 - PLUMBING

220001 PLUMBING*

Fixtures:

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
P1 - Water closet	4	EA	1,875.00	7,500
P1A - Water closet ADA	4	EA	1,875.00	7,500
P2A - Lav	6	EA	1,345.00	8,070
P3 - Urinal	4	EA	1,650.00	6,600
P4 - Drinking Fountain (hi lo w/ bottle fill)	2	EA	4,800.00	9,600
P5 - Mop sink	2	EA	1,375.00	2,750
P12 - Eye wash	2	EA	2,300.00	4,600
Science Room sink	4	EA	1,750.00	7,000
Admin Sink	1	EA	1,550.00	1,550
ART Sink	4	EA	1,975.00	7,900
Classroom sink	10	EA	1,550.00	15,500
Auto Sensor (hard wire):				
Flush valve	8	EA	550.00	4,400
Lav Sensor	6	EA	420.00	2,520
Roof/Storm Drain System				
Replace Roof Drainage	12,000	SF	2.50	30,000
Sanitary System				
Underground D/W/V Pipe:				
4"	300	LF	44.00	13,200
8"	50	LF	95.00	4,750
Floor Drain	4	EA	675.00	2,700
FCO	10	EA	425.00	4,250
Above Ground D/W/V Pipe:				
2"	700	LF	34.00	23,800
4"	700	LF	47.50	33,250
6"	50	LF	65.00	3,250
CO	15	EA	400.00	6,000
Domestic piping:				
Main	1,200	LF	45.00	54,000
Branch	1,200	LF	25.00	30,000
1" Pipe Insul.:				
Main	1,200	LF	9.00	10,800
Branch	1,200	LF	8.00	9,600
Test , permit misc gc	1	LS	20,000.00	20,000
General Requirement Temp Piping	1	LS	15,000.00	15,000

				346,090

DIVISION 23 - HVAC

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
230001 HVAC*				
VRF ACCUs: (PURY HP TSKMU)				
ACCU Zone 1 (30 tons)	1	EA	36,000.00	36,000
ACCU Zone 2 (18 tons)	1	EA	22,500.00	22,500
ACCU Zone 3 (24 tons)	1	EA	32,500.00	32,500
ACCU Zone 4 (20 tons)	1	EA	29,750.00	29,750
ACCU Zone 5 (14 tons)	1	EA	25,000.00	25,000
ACCU Zone 6 (16 tons)	1	EA	20,000.00	20,000
ACCU Zone 7 (30 tons)	1	EA	36,000.00	36,000
ACCU Zone 8 (18 tons)	1	EA	22,500.00	22,500
ACCU Zone 9 (12 tons)	1	EA	16,500.00	16,500
ACCU Zone 10 (20 tons)	1	EA	29,750.00	29,750
ACCU Zone 11 (10 tons)	1	EA	18,500.00	18,500
ACCU Zone 12 (18 tons)	1	EA	22,500.00	22,500
ACCU Zone 13 (7 tons)	1	EA	8,000.00	8,000
ACCU Zone 14 (18 tons)	1	EA	22,500.00	22,500
Refrigerant piping	14	EA	5,000.00	70,000
Energy Recovery Ventilators - Roof Mounted:				
ERV Zone 1 (2,000 cfm)	2,000	CFM	11.00	22,000
ERV Zone 2 (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 3 (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 4 (3000 cfm)	3,000	CFM	11.00	33,000
ERV Zone 5 (2,000 cfm)	2,000	CFM	11.00	22,000
ERV Zone 6 (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 7 (2,000 cfm)	2,000	CFM	11.00	22,000
ERV Zone 8 (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 9 (3,000 cfm)	3,000	CFM	11.00	33,000
ERV Zone 10 (3,000 cfm)	3,000	CFM	11.00	33,000
ERV Zone 11 (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 12 (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 13 (1,000 cfm)	1,000	CFM	11.00	11,000
ERV Zone 14 (3,000 cfm)	3,000	CFM	11.00	33,000
ERV Zone 15 (2,000 cfm)	2,000	CFM	11.00	22,000
ERV Zone 16 (1,000 cfm)	1,000	CFM	11.00	11,000
ERV Zone 17A (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 17B (2,500 cfm)	2,500	CFM	11.00	27,500
ERV Zone 18 (600 cfm)	600	CFM	11.00	6,600
ERV Zone 19 (500 cfm)	500	CFM	11.00	5,500
VRF Heat Pump and Distribution:				
Branch Controller	14	EA	7,500.00	105,000
Fan Coil	31	EA	3,650.00	113,150
Ductless split	58	EA	1,875.00	108,750

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Line Set	89	EA	1,650.00	146,850
Misc. Accessories	1	LS	50,000.00	50,000
Indoor Energy Recovery Units:				
ERV20 (3,500 cfm)	3,500	CFM	14.00	49,000
ERV21 (4,000 cfm)	4,000	CFM	14.00	56,000
Makeup Air Units:				
MAU-1 (2,700 cfm)	1	EA	22,000.00	22,000
Roof Fan:				
KX-1 (3,400 cfm)	1	EA	6,800.00	6,800
EF-1 (600 cfm)	1	EA	3,500.00	3,500
EF-X (500 cfm)	10	EA	2,750.00	27,500
Indoor Air Handling Units:				
AHU-1 (4,000 cfm)	4,000	CFM	10.50	42,000
AHU-2 (3,000 cfm)	3,000	CFM	10.50	31,500
AHU-3 (6,000 cfm)	6,000	CFM	10.50	63,000
AHU-4 (2,000 cfm)	2,000	CFM	10.50	21,000
AHU-5 (5,000 cfm)	5,000	CFM	10.50	52,500
AHU-6 (5,000 cfm)	5,000	CFM	10.50	52,500
Electric HVAC Equipment:				
Cabinet unit heaters (16 kw)	10	EA	4,000.00	40,000
Unit heaters (10 kw)	6	EA	1,800.00	10,800
Finned tube radiation (5 kw)	10	EA	750.00	7,500
Air curtain (20 kw)	1	EA	5,500.00	5,500
Ceiling fans (10' dia)	6	EA	4,850.00	29,100
Air Distribution:				
Grills dampers and Diffusers	165,641	GSF	5.50	911,026
Galvanized ductwork	125,000	LBS	10.00	1,250,000
1" Duct insul	100,000	SF	3.90	390,000
Sound Attenuation	100,000	CFM	0.65	65,000
Kitchen hood exhaust duct - welded	1,500	LBS	17.50	26,250
Alum. dishwasher ductwork	800	LBS	12.00	9,600
Fire wrap at duct	1,100	SF	9.00	9,900
Melink hood control	1	LS	12,500.00	12,500
Temperature Control	165,641	GSF	5.25	869,615
Cut cap and Drop	126,000	GSF	0.75	94,500
Seismic & vibrator control	1	LS	50,000.00	50,000
Test and balance	165,641	GSF	0.65	107,667
Commission coordination	1	LS	75,000.00	75,000
GC & misc.	1	SF	150,000.00	150,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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*Fire saffing carried w/ fittings
 *excludes temporary heat and ventilation

 5,951,107

ADD & RENO TOT SF:	165,641
COST PER SF:	35.93

Addition MEP	39,905	GSF	35.93	1,433,697
				----- 1,433,697

DIVISION 26 - ELECTRICAL

260001 ELECTRICAL*

Power and Feeders	39,905	SF	5.00	199,525
Wiring Devices	39,905	SF	1.85	73,824
Mechanical wiring	39,905	SF	3.35	133,682
Interior Lighting	39,905	SF	7.75	309,264
Lighting Control	39,905	SF	1.10	43,896
Fire Alarm	39,905	SF	2.85	113,729
BDA	39,905	SF	0.55	21,948
Lightning Protection	39,905	SF	0.50	19,953
Temp Electrical and Lightng	39,905	SF	0.90	35,915

Communication:

Horizontal Cabling	39,905	SF	3.50	139,668
Network switches, WIFI and Equipment		W/ ff&e		
Voice Communication				
T/D Rough-in	39,905	SF	0.65	25,938
Clock and PA	39,905	SF	1.35	53,872

Security:

Intrusion Detection	39,905	SF	0.75	29,929
Mass Notification	39,905	SF	1.00	39,905

SITE ELECTRICAL:

D&R exist. EM gen/set	1	EA	7,920.00	7,920
D&R exist. service & metering servicing modules	1	LS	3,117.00	3,117
Redo exist. for temp service	1	LS	4,420.00	4,420
Tagging for 5 kv service removal				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
by others	1	LS	1,168.00	1,168
Disc. & make safe site ltg.	1	LS	1,606.00	1,606
D&R exist. power, telco, CATV & FA from old services	1	LS	4,672.00	4,672
17"x32" open bot. handhole	5	EA	321.00	1,605
Covers for handholes	5	EA	223.00	1,115
Gen/set pad grounding	1	EA	792.00	792
Xfmr pad grounding	1	EA	1,042.00	1,042
Xfmr pad 90 deg & sleeves	1	EA	569.00	569
PVC-1 1/2"C-10#12 (PV feed)	140	LF	7.69	1,077
PVC-(4) 4" C-w/ps (Primary)	9,096	LF	5.12	46,572
PVC-(4) 4" C-w/ps (T/D)	9,096	LF	5.12	46,572
Utility pole dressing	1	EA	1,384.00	1,384
PVC-4" C-w/ps (sec)	100	LF	5.12	512
PVC-4" C-w/ps (G/S)	100	LF	5.12	512
PVC-4" C-w/ps (pv rough-in)	500	LF	5.12	2,560
Phase 2:				
Remove and Relocate Generator	1	LS	50,000.00	50,000
SITE LIGHTING:				
G1 - 20' round pole - sgl head	38	EA	2,459.00	93,442
G1 - 20' round pole - dbl head	4	EA	2,684.00	10,736
G2-14' walkway pole	19	EA	1,815.00	34,485
Pole base anchor bolts	61	EA	62.05	3,785
Pole base 90 deg & sleeves	61	EA	123.00	7,503
Pole base grounding	61	EA	184.50	11,255
G6 - lumenpulse sign light	3	EA	675.00	2,025
G5- flag pole	1	EA	525.00	525
PVC-1:C-2#8 & 1#10	5,650	LF	4.05	22,860
OH&P 10%	1	LS	160,487.46	160,487

				1,765,362

DIVISION 31 - EARTHWORK

310000 EARTHWORK

Slab on Grade:

12" Gravel base - BLDG SOG	1,446	CY	32.00	46,272
Loading Dock fill	1	LS	5,000.00	5,000
Excavate plumbing trenches	39,036	SF	0.50	19,518

Site Earthwork:

Strip and Stack Lawn - 6" (467,471 sf)	8,656	CY	12.00	103,872
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Site Cut and Fill to Rough Grade:				
Site Cut	15,500	CY	15.00	232,500
Dispose surplus	7,500	CY	20.00	150,000
Site Fill - reuse	7,500	CY	10.00	75,000
Site Fill - supply	100	CY	19.50	1,950
Site Rough Grading	82,317	SY	2.30	189,329
Layout, Mobilization, Supervision	1	LS	225,000.00	225,000
Ledge Removal - Allowance:				
Ledge removal - open	100	CY	125.00	12,500
Ledge removal - trench	100	CY	150.00	15,000
Remove of Unsuitable	1,000	CY	40.00	40,000
Foundation Earthwork:				
Remove Unsuitable Mat'l	7,900	CY	45.00	355,500
Underpinning @ gym wing	300	LF	2,250.00	675,000
Foundation excavation	950	CY	12.00	11,400
Foundation backfill (supply)	600	CY	34.00	20,400
Dispose of spoil	350	CY	20.00	7,000
Allow for handwork	1	LS	20,000.00	20,000

				2,205,241

311000 SITE PREPARATION & CLEARING

Site Prep:				
Construction entrance and staging	2	LOC	20,000.00	40,000
Construction fence	8,500	LF	12.00	102,000
Erosion control	6,844	LF	6.75	46,197
Drain inlet protection - allow	30	EA	50.00	1,500
Erosion control maintenance	1	LS	15,000.00	15,000
Protection				
Temporary Walkways and Protection	1	LS	75,000.00	75,000
Tree protection	1	LS	20,000.00	20,000
Remove Utilities	1	LS	50,000.00	50,000
Remove Utility structures	1	LS	20,000.00	20,000
Cut & cap site utilities	1	LS	20,000.00	20,000
Misc. site preparation	740,855	SF	0.15	111,128
Site - Remove Existing:				
Concrete walkway	11,307	SF	1.60	18,091

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Asphalt drive and curbing	196,337	SF	1.25	245,421
Bit Walkway	8,481	SF	1.25	10,601
Remove Play Area Surface	2,801	SF	1.50	4,202
Baseball players benches and backstop	1	LS	1,500.00	1,500
Playground Equipment	1	LS	20,000.00	20,000
Remove Conc Pads	3	EA	2,000.00	6,000
Remove Benches	3	EA	200.00	600
Remove Entry Sign	1	EA	250.00	250
Remove shed	1	EA	750.00	750
Saw cut pavement	42	LF	6.00	252
Selective Clear and Grub	28,500	SF	0.30	8,550
Misc. site demolition	1	LS	25,000.00	25,000
Temporary Trailer Connection:				
4" Domestic	180	LF	68.50	12,330
6" Fire Service	182	LF	83.00	15,106
Tap 8" Main	2	EA	4,500.00	9,000
4" Gate Valve	1	EA	1,175.00	1,175
6" Gate Valve	1	EA	1,250.00	1,250
8" PVC Sanitary Line	212	LF	78.00	16,536
Sewer Manhole	2	EA	3,500.00	7,000
Tap Sanitary site main	1	EA	5,000.00	5,000
Primary Duct Bank	346	LF	285.00	98,610
Tele/data Duct bank	355	LF	150.00	53,250

				1,061,299

DIVISION 32 - EXTERIOR IMPROVEMENTS

321000 PAVEMENT, CURBING & EDGING

A1 Bit Pavement:

4" Bituminous Pavement - STD	5,934	SY	27.35	162,289
4 1/2" Bituminous Pavement - HD	4,609	SY	28.00	129,042
8" Gravel base @ Standard Duty	762	CY	33.00	25,145
12" Gravel base @ Heavy Duty	2,690	CY	31.50	84,736
Structural Fill at Parking	940	CY	32.00	30,080
Line Painting	1	LS	15,000.00	15,000

27" D Porous Vehicular Bituminous Pavement :

Permeable asphalt - 4"	765	SY	35.00	26,775
4" Choker course	86	CY	42.00	3,612
8" Filter course	172	CY	38.00	6,536
3" Pea stone filter blanket	64	CY	44.00	2,816

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
8" Crushed stone "reservoir course"	172	CY	24.00	4,128
Perimeter 27" filter fabric	3,000	SF	0.85	2,550
6" Perf. sub drain	6,885	GSF	0.30	2,066
Curbing:				
Granite curb - Vert. straight	7,781	LF	41.50	322,912
Granite curb - Vert. radial	1,967	LF	45.50	89,499
Granite curb - Sloped straight	1,036	LF	37.25	38,591
Granite curb - Sloped radial	306	LF	39.50	12,087
Granite curb - Flush/Trans straight	151	LF	39.00	5,889
Granite curb - Flush/Trans radial	334	LF	50.00	16,700
Street patch @ entry	1	LS	5,000.00	5,000
A5 8" Vehicular Concrete Pavement:				
Loading Area	3,754	SF	12.50	46,925
Entry Drive	6,053	SF	12.50	75,663
12" Gravel sub base	363	CY	31.50	11,435
A5 8" Concrete Pads:				
Containers	602	SF	12.50	7,525
Mech. Equipment	1,790	SF	12.50	22,375
12" Gravel sub base	89	CY	31.50	2,804
A7 Concrete Pavement:				
5" Concrete Pavement - site	81,753	SF	7.15	584,534
5" Concrete Pavement - courtyard	1,309	SF	7.15	9,359
5" Concrete Pavement - entries	2,850	SF	20.00	57,000
12" Gravel sub base	3,182	CY	31.50	100,233
30" Gravel sun base adjacent to Bldg.	200	CY	31.50	6,300
Crushed stone Main Yard:				
Crushed stone surface	1,711	SF	3.20	5,475
6" Gravel @ new stone dust walk	44	CY	38.00	1,672
Filter fabric	1,711	SF	0.85	1,454
Steel edging	250	LF	15.00	3,750
HC tactile paver	26	EA	295.00	7,670
Reinforced turf	5,003	SF	6.75	33,770

				1,963,394

323100 SITE IMPROVEMENTS

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Site Specialties				
45' Flag pole	1	EA	8,500.00	8,500
Basketball hoop	1	EA	1,800.00	1,800
Player Bench	2	EA	1,500.00	3,000
Traffic signs - allow	10	EA	235.00	2,350
HC Parking Sign	10	EA	235.00	2,350
Entrance Sign	3	EA	25,000.00	75,000
Bollards	20	EA	1,500.00	30,000
Bike Loop	37	EA	625.00	23,125
A9 Granite Seat Wall - 18" thick	565	LF	550.00	310,750
Gravel Setting Base	565	LF	30.00	16,950
Fencing:				
10' CL Fence	47	LF	74.00	3,478
6' Acoustical Fence	164	LF	125.00	20,500
3'-6" CL Fence	381	LF	42.00	16,002
Steel Picket Fence	298	LF	100.00	29,800
Mech Gate - dbl	3	EA	4,000.00	12,000
C5 Playground Safety Surface - Poured in Place Surface (1 loc):				
3 1/2" Resil.. 2" wear , 2" Base (poured in place)	24,438	SF	19.00	464,322
12" Gravel; Base	905	CY	34.50	31,223
6" Perf collector pipe & flat drain	24,438	GSF	0.25	6,110
Geotextile filter fabric	24,438	SF	0.85	20,772
C7 Basketball Court:				
Bit Pavement	4,735	SF	3.00	14,205
Synthetic Court Surface	4,735	SF	4.85	22,965
12" Gravel; Base	175	CY	34.50	6,038
Allowance:				
Trash/recycle receptacle	5	EA	1,500.00	7,500
Playground Equipment	2	LOC	150,000.00	300,000
Electronic school zone signals		NIC		
				----- 1,428,739
328000 IRRIGATION		NIC		
				0 ----- 0

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
329000 LANDSCAPING				
Seeding, Fine Grade and Fertilize:				
Sod	159,726	SF	1.00	159,726
Hydro Seed Lawn	143,485	SF	0.26	37,306
Wetland seed mix	9,369	SF	0.29	2,717
Restoration Seed Mix	26,097	SF	0.29	7,568
Soils:				
6" Lawns	6,271	CY	55.00	344,905
Credit Amend Existing Soil	-6,271	CY	36.00	-225,756
12" Soil @ plant bed	1,035	CY	52.00	53,820
3" Mulch - allowance	300	CY	65.00	19,500
Plantings:				
Deciduous Trees:				
3 12" - 4" cal	57	EA	1,100.00	62,700
Flowering Trees:				
2 1/2" - 3" cal.	13	EA	850.00	11,050
Evergreen Trees:				
8'-10'	9	EA	675.00	6,075
Deciduous Shrubs:				
3'-4' h	72	EA	125.00	9,000
18"-24"	229	EA	45.00	10,305
Grasses/Perennials/Ferns:				
#1 Container	4,020	EA	25.00	100,500
Planting Maintenance	1	LS	30,000.00	30,000

				629,416

DIVISION 33 - UTILITIES

330000 UTILITIES

Water Supply:

Tap site main	5	LOC	4,200.00	21,000
4" Domestic service	20	LF	53.00	1,060
6" Fire service	194	LF	62.00	12,028
Hydrant	7	EA	2,100.00	14,700

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
8" Main	2,424	LF	95.00	230,280
8" Gate valve	4	EA	1,650.00	6,600
6" Gate valve	6	EA	1,400.00	8,400
4" Gate valve	1	EA	1,350.00	1,350
Temp Cap	1	LS	5,000.00	5,000
Temporary Construction Water Service	1	LS	20,000.00	20,000
Sanitary Sewer:				
Grease trap (5,000 gal)		w/ plumbing		
8" PVC	1,066	LF	95.00	101,270
Sanitary manhole	9	EA	4,100.00	36,900
Sanitary manhole - site conn.	2	EA	4,500.00	9,000
Storm Sewer:				
Dbl catch basin	2	EA	5,500.00	11,000
Catch basin	35	EA	4,100.00	143,500
Drain Manhole	45	EA	4,100.00	184,500
Connect to Existing	1	EA	3,000.00	3,000
Wetland outfall and rip rap	8	EA	6,000.00	48,000
Water Quality Structure	4	EA	12,000.00	48,000
Outlet control structure	6	EA	7,500.00	45,000
Underdrain		carried w/ pavement		
Rain Garden	6,240	SF	25.00	156,000
Infiltration field	9,186	SF	26.00	238,836
Piping and Trenching:				
8" HDPE	1,000	LF	59.00	59,000
12" HDPE	3,762	LF	68.00	255,816
15" HDPE	1,000	LF	71.00	71,000
Fuel Distribution:				
Gas Service:				
Gas Pipe		By Utility		
Trench, Backfill and Concrete:				
Electrical Duct bank	2,274	LF	88.00	200,112
Tel/data Duct bank	2,274	LF	88.00	200,112
PV Duct bank	140	LF	55.00	7,700
Site Lighting:				
Site light trenching	5,579	LF	22.00	122,738
Light Pole base - 8' Precast	39	EA	1,100.00	42,900
Light Pole base - 6' Precast	19	EA	775.00	14,725

				2,319,527

PROJECT: Lincoln School
 LOCATION: Lincoln, MA
 CLIENT: SMMA Architects
 DATE: 01-Oct-18

NO. OF SQ. FT.: 125,736
 COST PER SQ. FT.: \$275.93

SUMMARY

RENOVATION

No.: 18073

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 02 - EXISTING CONDITIONS			
024100 DEMOLITION	2,631,743	8%	20.93
024180 ASBESTOS ABATEMENT	0	0%	0.00
DIVISION 03 - CONCRETE			
033000 CAST IN PLACE CONCRETE	1,046,965	3%	8.33
DIVISION 04 - MASONRY			
040001 MASONRY*	1,092,528	3%	8.69
DIVISION 05 - METALS			
050001 MISCELLANEOUS & ORNAMENTAL IRON*	511,997	1%	4.07
051200 STRUCTURAL STEEL	785,030	2%	6.24
053100 STEEL DECKING	16,740	0%	0.13
054000 COLD FORMED METAL FRAMING	0	0%	0.00
DIVISION 06 - WOOD, PLASTICS & COMPOSITES			
061000 ROUGH CARPENTRY	546,779	2%	4.35
062000 FINISH CARPENTRY	305,660	1%	2.43
DIVISION 07 - THERMAL & MOISTURE PROTECTION			
070001 DAMPPROOF., WATERPROOF. & CAULKING*	189,838	1%	1.51
070002 ROOFING AND FLASHING*	3,329,750	10%	26.48
071326 AIR & VAPOR BARRIERS	448,525	1%	3.57
072100 INSULATION	576,719	2%	4.59
074000 WALL PANELS & TRIM	1,640,432	5%	13.05
078100 FIREPROOFING	0	0%	0.00
079500 EXPANSION CONTROL	25,000	0%	0.20
DIVISION 08 - OPENINGS			
080001 METAL WINDOWS*	1,650,568	5%	13.13
080002 GLASS AND GLAZING*	367,240	1%	2.92
081113 HOLLOW METALWORK	81,890	0%	0.65
081416 WOOD AND PLASTIC DOORS	136,330	0%	1.08
083323 SPECIAL DOORS	101,068	0%	0.80
084433 SLOPED GLAZING ASSEMBLIES	0	0%	0.00
087100 DOOR HARDWARE	209,100	1%	1.66

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 09 - FINISHES			
090002 TILE*	353,186	1%	2.81
090003 ACOUSTICAL TILE*	311,761	1%	2.48
090005 RESILIENT FLOORING*	647,043	2%	5.15
090007 PAINTING*	475,081	1%	3.78
092116 GYPSUM WALLBOARD	894,875	3%	7.12
095000 WOOD & ATHLETIC FLOOR	261,990	1%	2.08
096800 CARPET	36,610	0%	0.29
097700 FIBERGLASS REINF. PLASTIC WALL PANELS	0	0%	0.00
098400 ACOUSTICAL WALL TREATMENT	190,200	1%	1.51
098500 RESINOUS FLOORING	41,006	0%	0.33
DIVISION 10 - SPECIALTIES			
101100 MARKERBOARDS & TACKBOARDS	113,900	0%	0.91
101400 IDENTIFYING DEVICES	60,832	0%	0.48
101453 TRAFFIC SIGNAGE	0	0%	0.00
102113 COMPARTMENTS & CUBICLES	15,900	0%	0.13
102600 PREFABRICATED SPECIALTIES	0	0%	0.00
102813 TOILET & BATH ACCESSORIES	20,505	0%	0.16
105113 LOCKERS	0	0%	0.00
107413 EXTERIOR CLOCKS	0	0%	0.00
109000 MISCELLANEOUS SPECIALTIES	344,005	1%	2.74
DIVISION 11 - EQUIPMENT			
110000 THEATRICAL EQUIPMENT	145,000	0%	1.15
113100 APPLIANCES	8,900	0%	0.07
114000 FOOD SERVICE EQUIPMENT	450,000	1%	3.58
115213 PROJECTION SCREENS	20,000	0%	0.16
116143 STAGE DRAPERY	0	0%	0.00
116600 ATHLETIC & SPORTS EQUIPMENT	69,750	0%	0.55
119000 MISC. EQUIPMENT	0	0%	0.00
DIVISION 12 - FURNISHINGS			
122413 ROLLER SHADES	151,299	0%	1.20
123553 CLASSROOM CASEWORK	936,398	3%	7.45
124813 MATS	4,320	0%	0.03

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 13 - SPECIAL CONSTRUCTION			
134800 FLOATING SLAB SYSTEM	0	0%	0.00
DIVISION 14 - CONVEYING EQUIPMENT			
#REF!	0	0%	0.00
DIVISION 21 - FIRE SUPPRESSION			
210001 FIRE SUPPRESSION*	680,812	2%	5.41
DIVISION 22 - PLUMBING			
220001 PLUMBING*	1,770,595	5%	14.08
DIVISION 23 - HVAC			
230001 HVAC*	4,517,411	13%	35.93
DIVISION 26 - ELECTRICAL			
260001 ELECTRICAL*	5,887,411	17%	46.82
DIVISION 31 - EARTHWORK			
310000 EARTHWORK	591,600	2%	4.71
311000 SITE PREPARATION & CLEARING	0	0%	0.00
DIVISION 32 - EXTERIOR IMPROVEMENTS			
321000 PAVEMENT, CURBING & EDGING	0	0%	0.00
323100 SITE IMPROVEMENTS	0	0%	0.00
328000 IRRIGATION	0	0%	0.00
329000 LANDSCAPING	0	0%	0.00
DIVISION 33 - UTILITIES			
330000 UTILITIES	0	0%	0.00

DIRECT COST	34,694,293	100%	275.93

*DENOTES FILED SUB-BID

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 02 - EXISTING CONDITIONS				
024100 DEMOLITION				
Building Demolition:				
Remove Classroom wing	11,265	GSF	8.00	90,120
Remove Area E Classroom Wing	1,519	GSF	12.00	18,228
Disengage construction	1	LS	25,000.00	25,000
Structural Demolition:				
Saw Cut Slab - Plumbing trench	2,500	LF	7.25	18,125
Remove Slab - Plumbing trench	7,500	SF	8.00	60,000
Saw Cut Slab - New foundation	2,400	LF	9.00	21,600
Remove Slab - New foundation	7,200	SF	10.00	72,000
*shoring carried w/ structural steel				
Trench removal				
Below grade trench	2,600	SF	15.00	39,000
Backfill Trench	481	CY	45.00	21,667
Remove slab - Area C	5,000	SF	5.50	27,500
Remove Bay Construction - Area C	4	EA	3,500.00	14,000
Remove Roof Dormer - Area C	4	EA	3,500.00	14,000
Interior Selective Demolition:				
Remove Ext Door - sgl	33	EA	150.00	4,950
Remove Ext Door - dbl	16	EA	300.00	4,800
Remove Int. Door - sgl	103	EA	85.00	8,755
Remove Int. Door - dbl	47	EA	190.00	8,930
Remove Sidelight	103	EA	85.00	8,755
Remove Mtl Lockers - D12	458	LF	35.00	16,030
Remove Casework - D1	1,676	LF	22.00	36,872
Remove VCT	90,300	SF	1.15	103,845
Remove Bathroom Flooring	2,431	SF	4.00	9,724
Remove ACT	89,200	SF	1.20	107,040
Remove Bathroom wall tile	7,592	SF	3.75	28,470
Remove Gym Stage	364	SF	10.00	3,640
Misc Gym demo	1	LS	5,000.00	5,000
Field House /Locker Room - Misc Demolition	13,632	SF	4.00	54,528
Remove Int Partition	34,729	SF	4.00	138,916
Remove Plumbing Fixt	87	EA	68.00	5,916
Cut-in Ext. Sgl door	5	EA	1,200.00	6,000
Cut-in Int. Dbl door	3	EA	950.00	2,850
Cut-in Int. Sgl door	8	EA	750.00	6,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Protect Existing Gym Flooring	6,588	SF	4.00	26,352
Classroom Sidelight (4 ea)	224	SF	6.00	1,344
Remove MEP	125,736	GSF	1.50	188,604
Misc. Demo (items not shown)	125,736	GSF	1.00	125,736
Auditorium:				
Remove Seating	524	EA	45.00	23,580
Remove Lighting and Rigging	1	LS	10,000.00	10,000
Remove Acoustical Operable Partition	70	LF	325.00	22,750
Remove Acoustic Wall Panels	1	LS	5,000.00	5,000
Remove Stage Front	256	SF	5.00	1,280
Miscl. Auditorium Demo	1	LS	5,000.00	5,000
Remove Exterior Wall Veneer:				
Remove Brick Veneer	35,521	SF	7.50	266,408
Remove Door and Windows	11,752	SF	8.75	102,830
Remove Door and Windows	11,752	SF	8.75	102,830
Temporay Protection		NIC		
Roof Demolition:				
Remove Membrane Roof and Flashing	92,911	SF	2.35	218,341
Remove Asphalt Shingle roof and flashing	34,089	SF	2.00	68,178
Remove Smoke Hatch	2	EA	500.00	1,000
Remove Roof Skylight	500	SF	8.00	4,000
Temporary Roof Protection	127,000	SF	3.75	476,250

				2,631,743

024180 ASBESTOS ABATEMENT

see summary page

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DIVISION 03 - CONCRETE

033000 CAST IN PLACE CONCRETE

New Column Footing:

Column Footing 6'x6' (37 ea)	60	CY	1,200.00	72,000
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Pilaster /Grade beam	37	EA	1,000.00	37,000
Patch 4" slab	5,328	SF	11.00	58,608
Pin slab into existing	888	EA	49.00	43,512
Area C:				
Replace Slab	5,000	SF	8.75	43,750
Patch Slab at Plumbing:				
Patch 4" slab	7,500	SF	9.50	71,250
Pin slab into existing	1,200	EA	49.00	58,800
New Foundation Pinned into Existing E1/E1A:				
Pin into existing	2,404	EA	68.00	163,472
Form Wall Footing Extension	9,616	SF	21.00	201,936
Form One Side Found wall	2,404	SF	10.00	24,040
Reinforcing Steel	48,900	LBS	2.00	97,800
4,000 psi Concrete	326	CY	265.00	86,390
Existing Tunnels				
Infill Foundation Wall - bay demo	46	LF	1,200.00	55,200
Infill depressed slab at Locker Room	949	SF	6.00	5,694
Floor Finishes:				
Sealed Concrete	6,114	SF	4.50	27,513

				1,046,965

DIVISION 04 - MASONRY

040001 MASONRY*

Exterior Walls:

Brick Veneer	29,464	SF	33.75	994,410
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Masonry Partition:

M8A.U	797	SF	22.00	17,534
Misc. Cut and Patch	125,736	GSF	0.25	31,434
Remove and Prep Existing CMU	10,900	SF	2.00	21,800

Repair New Masonry Openings:

Cut-in Ext. Sgl door	5	EA	1,850.00	9,250
Cut-in Int. Dbl door	3	EA	1,500.00	4,500
Cut-in Int. Sgl door	8	EA	1,200.00	9,600

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Repair Gyp Egress Opening	1	LS	4,000.00	4,000

				1,092,528

DIVISION 05 - METALS

050001 MISCELLANEOUS & ORNAMENTAL IRON*

Exterior Walls:

Galva, loose lintel	26,786	GSF	1.00	26,786
Bent Angle - R7	115	LF	145	16,675
Loading dock stair guardrail	20	LF	265.00	5,300
Loading platform guardrail	20	LF	185.00	3,700

Galv. Roof Ladder:

Gym (1 loc)	18	VLF	425.00	7,650
Auditorium (1 loc)	18	VLF	425.00	7,650

Partitions:

Op Partition - support (3 LOC)	370	LF	175.00	64,750
CMU part. angle brace frame - 4' 0C	20	EA	105.00	2,100
Loose lintels	25	LF	26.00	650

Platform equip. supports	1	LS	15,000.00	15,000
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Exterior Metal Trellis	59	LOC	4,000.00	236,000
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Misc. metals	125,736	GSF	1.00	125,736
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511,997

051200 STRUCTURAL STEEL

Bearing Partition Removal:

Temp Shore Structure	6	LOC	5,000.00	30,000
New W 45 Beam (261 LF)	11,745	LBS	4.00	46,980
Connect to existing Steel	12	EA	1,500.00	18,000

Brace Frame:

Temp Shore Structure	22	LOC	3,000.00	66,000
Remove Existing BF	2	LOC	2,000.00	4,000
HSS Column (20 ea @ 35 lbs/lf)	10,500	LBS	4.50	47,250

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Connect to existing Steel	12	EA	1,500.00	18,000
HSS 6 x 6 x 3/8" (663 lf)	20,041	LBS	4.50	90,185
Brace Frame @ Gym:				
1" Tie Rod brace	397	LF	24.00	9,528
Turnbuckle and connection	20	EA	2,475.00	49,500
New Roof Beam:				
W 12 x 14 (9 lf)	139	LBS	5.00	693
W 14 x 22 (49 lf)	1,186	LBS	5.00	5,929
W 16 x 26 (110 lf)	3,146	LBS	5.00	15,730
X bracing underside of roof framing	665	SF	5.00	3,325
Sister angled Reinforce Glu Lam Beam	41	LF	150.00	6,150
Reinforce Existing Roof Framing	3,288	SF	5.00	16,440
Reframe Roof at Dormer Demolition	4	LOC	5,000.00	20,000
New Raised Steel Structure:				
Wide Flange beam and Column	12,680	LBS	4.00	50,720
Clip Existing CMU to Structure	1	LS	75,000.00	75,000
Galv PV Canopy:				
Structural Steel (13 lbs/sf @ 7067 sf)	46	TONS	4,100.00	188,600
R1 Deck 1 1/2" x 18 ga		n/a		
Galv Roof Screen:				
TS Framing (1,000 sf)	5.0	TONS	4,600.00	23,000

				785,030
053100 STEEL DECKING				
R-1 Roof Deck	1,268	SF	5.00	6,340
R1.5:				
Patch Deteriorated Deck	900	SF	6.00	5,400
Infill Abandoned openings	1	LS	5,000.00	5,000

				16,740
054000 COLD FORMED METAL FRAMING				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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DIVISION 06 - WOOD, PLASTICS & COMPOSITES

061000 ROUGH CARPENTRY

Structural Framing:

Reinforce Auditorium 2" x Low Roof Framing	8,000	SF	7.50	60,000
Remove and Repalce 3" Wood Decking	3,000	SF	20.00	60,000

Roof Blocking:

Flat Roof	92,911	SF	1.50	139,367
Sloped Roof	34,089	SF	1.50	51,134

Exterior Windows and Doors

P.T. blocking 2x8- perim ext open.	5,100	LF	5.65	28,815
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Interior Blocking	125,736	GSF	0.65	81,728
Misc. rough carpentry	125,736	GSF	1.00	125,736

546,779

062000 FINISH CARPENTRY

Fittings:

Finish Carpentry:

Utility & closet shelving	1	LS	20,000.00	20,000
Typ. window sill/apron	1,800	LF	46.00	82,800

Misc. Millwork:

Interior Running Trim and Panels	1	LS	50,000.00	50,000
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Built - in Bench:

Exterior Bench	250	LF	450.00	112,500
Interior Bench	1	LS	25,000.00	25,000

Wall Panel & Trim (40% Lyptus & 60% Red oak):

Auditorium stage front	256	SF	60.00	15,360
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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305,660

DIVISION 07 - THERMAL & MOISTURE PROTECTION

070001 DAMPPROOF., WATERPROOF. & CAULKING*

Foundations:

Foundation dampproofing - 4' d	9,616	SF	2.05	19,713
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Exterior Walls:

Ext Control joints	1	LS	25,000.00	25,000
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Exterior Windows:

Exterior sealants - perim. ext open.	5,100	LF	7.50	38,250
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Partitions:

Joint sealants	125,736	GSF	0.85	106,876
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189,838

070002 ROOFING AND FLASHING*

Roofing:

New Membrane Roof w/ 9" Insul	92,911	SF	22.00	2,044,042
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Asphalt Shingle Roof w/ 9" Nailable RI	34,089	SF	20.00	681,780
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Alum Roof Flashing - flat	92,911	SF	3.00	278,733
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Alum Roof Flashing - sloped	34,089	SF	5.00	170,445
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Walkway pads -allow	5,000	SF	5.25	26,250
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Roof Accessories

Smoke Hatch	2	EA	13,500.00	27,000
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Roof Hatch	2	EA	4,500.00	9,000
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Replace Skylight	150	SF	150.00	22,500
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Alum. Soffit / Ceiling Panel	2,000	SF	35.00	70,000
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3,329,750

071326 AIR & VAPOR BARRIERS

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Slab on Grade:				
Stegro vapor barrier (15 mil)	29,685	SF	0.88	26,123
Adhered air & vapor barrier - wall :				
Typical wall	48,667	SF	7.50	365,003
Soffit and overhang	2,000	SF	7.50	15,000
Exterior Windows:				
Flex flashing - perim ext open.	5,300	LF	8.00	42,400

				448,525
072100 INSULATION				
Foundations:				
4" Rigid ext. found. insul - 4 'd	9,616	SF	4.95	47,599
Slab on Grade:				
4" Rigid Slab Insul.	19,000	SF	3.95	75,050
Exterior Walls:				
Typ Exterior Wall:				
8" Mineral Wool	48,667	SF	8.95	435,570
Exterior Ceiling Insulation @ :				
Soffit - allow	2,000	SF	9.25	18,500

				576,719
074000 WALL PANELS & TRIM				
Fiber Cement Panels:				
Auditorium	9,731	SF	72.00	700,632
Gymnasium	9,374	SF	72.00	674,928
Smith Gym	2,776	SF	72.00	199,872
Mechanical Screen	1,000	SF	65.00	65,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				1,640,432
078100 FIREPROOFING				
Fireproofing		n/a		----- 0
079500 EXPANSION CONTROL				
Expansion joints	1	LS	25,000.00	25,000
				----- 25,000
DIVISION 08 - OPENINGS				
080001 METAL WINDOWS*				
Windows:				
Curtainwall	3,142	SF	125.00	392,750
Storefront	1,766	SF	95.00	167,770
Windows	7,203	SF	95.00	684,285
Translucent Window - gym	1,450	SF	68.50	99,325
Allow for Panning and Sills	13,561	SF	8.00	108,488
Security Glazing Film - ALLOW:	1	LS	25,000.00	25,000
Exterior Doors:				
8' Alum. Doors (Incl. Hardware):				
Main entry - dbl	3	PR	8,400.00	25,200
Gymnasium - dbl	2	PR	8,400.00	16,800
Classroom - sgl	22	EA	4,150.00	91,300
Interior Aluminum (Frame, Door, Glass, Glazing and Hdw):				
8' Vest - dbl	4	PR	8,000.00	32,000
Interior Aluminum Storefront Frame, Glass & Glazing (3/8" glass):				
Vestibules	90	SF	85.00	7,650
				----- 1,650,568

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
080002 GLASS AND GLAZING*				
Glass & Glazing @ Interior HMDoor:				
Sidelight Glazing	710	SF	44.00	31,240
Folding Wall:				
Nano Wall - 9'	1,920	SF	175.00	336,000

				367,240
 081113 HOLLOW METALWORK				
Exterior Doors:				
Insulated HM Doors and Frame:				
Mech Rm - dbl	1	EA	1,350.00	1,350
Int. HM Frame:				
Single Door 7'H	125	EA	290.00	36,250
Double Door 7'H	34	EA	305.00	10,370
Sidelight Frame (2'x7')	45	EA	672.00	30,240
Sidelight frame - 7'	80	SF	46.00	3,680

				81,890
 081416 WOOD AND PLASTIC DOORS				
Oak SC Wood Door - Prefinished :				
Admin - sgl	22	EA	750.00	16,500
Auditorium - dbl	9	EA	1,500.00	13,500
Bathroom - sgl	24	EA	575.00	13,800
Classroom - sgl	56	EA	610.00	34,160
Classroom - dbl	1	EA	1,300.00	1,300
Corridor - dbl	9	EA	1,150.00	10,350
Gym -dbl	4	EA	1,500.00	6,000
Gym - sgl	2	EA	750.00	1,500
Kitchen/Receiving - dbl	2	EA	1,300.00	2,600
MEP - sgl	6	EA	1,220.00	7,320
MEP - dbl	2	EA	1,300.00	2,600
Music - sgl	3	EA	750.00	2,250
Music - dbl	1	EA	1,500.00	1,500
Storage - sgl	12	EA	1,200.00	14,400
Storage - dbl	6	EA	1,425.00	8,550

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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136,330

083323 SPECIAL DOORS

Access panels	125,736	GSF	0.50	62,868
Misc. Interior Security Grills	1	LS	30,000.00	30,000
Kitchen/dish drop (4'8"x5'4')	2	EA	4,100.00	8,200

101,068

087100 DOOR HARDWARE

Auto opener: Main entry	1	LOC	7,600.00	7,600
Ext HM Door HDW SET: Mech Rm - dbl	1	EA	1,200.00	1,200

Interior Hardware Set:

Admin - sgl	22	EA	750.00	16,500
Auditorium - dbl	9	EA	3,500.00	31,500
Bathroom - sgl	24	EA	875.00	21,000
Classroom - sgl	56	EA	950.00	53,200
Classroom - dbl	1	EA	1,500.00	1,500
Corridor - dbl	9	EA	3,500.00	31,500
Gym -dbl	4	EA	2,800.00	11,200
Gym - sgl	2	EA	2,000.00	4,000
Kitchen/Receiving - dbl	2	EA	1,500.00	3,000
MEP - sgl	6	EA	650.00	3,900
MEP - dbl	2	EA	1,300.00	2,600
Music - sgl	3	EA	2,000.00	6,000
Music - dbl	1	EA	3,000.00	3,000
Storage - sgl	12	EA	550.00	6,600
Storage - dbl	6	EA	800.00	4,800

209,100

DIVISION 09 - FINISHES

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
090002 TILE*				
Bathrooms:				
Ceramic floor tile	2,219	SF	26.00	57,694
Ceramic wall base	881	LF	11.00	9,691
Stone threshold - allow	26	EA	150.00	3,900
Ceramic Wall Tile - 7'high	3,524	SF	24.00	84,576
Porcelain Tile Flooring:				
Commons	5,615	SF	21.00	117,915
PT Wainscott - 4'	1,700	SF	24.00	40,800
Corridor:				
Glazed wall base	2,340	LF	16.50	38,610

				353,186
090003 ACOUSTICAL TILE*				
Ceiling Finishes:				
ATC-1 2 x 2	59,126	SF	4.85	286,761
Allow for Specialty Ceilings	1	LS	25,000.00	25,000

				311,761
090005 RESILIENT FLOORING*				
Linoleum Tile:				
Linoleum - Classroom	58,005	SF	7.50	435,038
Linoleum - Corridor	17,634	SF	7.50	132,255
Linoleum - Misc Area	7,500	SF	6.80	51,000
Rubber base	11,500	LF	2.50	28,750

				647,043
090007 PAINTING*				
Interior Painting	125,736	SF	2.50	314,340
C-9 Refinish Wood Structure	35,926	SF	3.00	107,778
Paint Gyp Ceiling	3,557	SF	1.00	3,557

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Paint Exposed Structure	17,449	SF	1.80	31,408
Paint Auditorium Deck	7,999	SF	2.25	17,998

				475,081

092116 GYPSUM WALLBOARD

Partitions:

Drywall Partitions :

C3C.U	1,009	SF	8.70	8,778
D3C.U	916	SF	17.75	16,259
Chase	2,514	SF	8.70	21,872
G3A.U	3,306			
G3C.1	1,448	SF	16.75	24,254
G3C.U	8,329	SF	16.00	133,264
G3D.U	648	SF	12.40	8,035
G6A.U	338	SF	13.40	4,529
Misc. Patch and Rework	125,736	GSF	1.00	125,736
Load, Distribute and Misc.	125,736	GSF	0.40	50,294

Ceiling Finishes:

Auditorium Cloud	1,573	SF	75.00	117,975
Gyp Ceiling	3,557	SF	11.00	39,127
Misc. Ceiling and Soffit	125,736	SF	1.00	125,736

Interior Staging and Platform

	1	LS	75,000.00	75,000
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Exterior Wall:

Exterior Wall:

Rework Existing Framing	26,147	SF	2.00	52,294
Repair /Patch 1/2" Dens glass sheathing - 20%	5,229	SF	3.15	16,473

Soffit and Overhang:

6" x 18 ga. Metal Stud	2,000	SF	6.75	13,500
1/2" Dens glass sheathing	2,000	SF	3.15	6,300

Roof Dog House:

Roof Frame	1,640	SF	15.00	24,600
Side wall Frame	1,104	SF	10.00	11,040
Metal Roof Deck	1,640	SF	4.00	6,560
8" Insl. Sheathing and AVB	1,104	SF	12.00	13,248

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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894,875

095000 WOOD & ATHLETIC FLOOR

Refinish Wood Floor	6,640	SF	4.50	29,880
Refinish Stage Floor	2,112	SF	5.00	10,560
*Spring floor sys W/B1010				
Protect Existing Wood Floors	17,724	SF	12.50	221,550

				261,990

096800 CARPET

Carpet	7,322	SF	5.00	36,610

				36,610

098400 ACOUSTICAL WALL TREATMENT

Wall Finishes:

Tectum Wall Panel:

Gymnasium	2,400	SF	19.25	46,200
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Fabric Wrapped Acoustical Panels:

Music Rm	500	SF	32.00	16,000
Auditorium	2,000	SF	32.00	64,000
Media center	1,000	SF	32.00	32,000
Misc.. Panels	1,000	SF	32.00	32,000

190,200

098500 RESINOUS FLOORING

Kitchen & Servery	2,929	SF	14.00	41,006
*Includes integral wall base				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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41,006

DIVISION 10 - SPECIALTIES

101100 MARKERBOARDS & TACKBOARDS

Marker Boards w/Map Rail - 4' H:

Classroom - 4'x8'	114	EA	600.00	68,400
Misc. Markerboard	20	EA	600.00	12,000

Tack boards - 4' H:

Classroom - 4'x4'	114	SF	250.00	28,500
Misc. Tackboard	20	EA	250.00	5,000

113,900

101400 IDENTIFYING DEVICES

Exterior Walls:

16" Alum bldg mtd letter (1LOC)	23	EA	365.00	8,395
Misc ext signage	1	LS	5,000.00	5,000

Fittings:

Allow:

Building directory	1	EA	5,000.00	5,000
Dedication plaque	1	EA	3,500.00	3,500
Room ID sign	159	EA	150.00	23,850
Misc Int. ADA signage	125,726	GSF	0.12	15,087

60,832

101453 TRAFFIC SIGNAGE

0

102113 COMPARTMENTS & CUBICLES

Std. partition	6	EA	1,220.00	7,320
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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HC partition	6	EA	1,430.00	8,580

				15,900

102600 PREFABRICATED SPECIALTIES

0

102813 TOILET & BATH ACCESSORIES

Furnish & Install Toilet Rm Accessories:

Elec hand dryer	8	EA	950.00	7,600
Tilt mirror @ wall hung lav	17	EA	225.00	3,825
TP Holder	35	EA	48.00	1,680
Grab bars	54	EA	95.00	5,130
San. prod. disposal	15	EA	60.00	900
Coat hook -allow	35	EA	22.00	770

Janitor shelf	3	EA	200.00	600

				20,505

105113 LOCKERS

0

0

107413 EXTERIOR CLOCKS

0

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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109000 MISCELLANEOUS SPECIALTIES

Kitchen staff locker(12"wx15" D x 6'h)	10	EA	295.00	2,950
Custodian staff locker(12"wx15" D x 6'h)	10	EA	295.00	2,950
Kitchen corner guards	1	LS	3,000.00	3,000
Misc Wall & corner guards - allow	1	LS	3,000.00	3,000
Fire extinguisher and cab	20	EA	510.00	10,200
Fire extinguisher & bracket	10	EA	385.00	3,850
AED cabinets	4	EA	750.00	3,000
Cubicle curtain track w/ curtain	2	EA	1,325.00	2,650

*Includes Sections 102600 & 105113

Misc Alum louvers -allow	1	LS	5,000.00	5,000
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Partitions:

Operable Partition	847	SF	115.00	97,405
Auditorium Op Partition	1,400	SF	150.00	210,000

344,005

DIVISION 11 - EQUIPMENT

110000 THEATRICAL EQUIPMENT

Theatrical Rigging and Curtains	1	LS	145,000.00	145,000
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145,000

113100 APPLIANCES

Staff Lunch & Teacher Work Rm (2 ea):

Refrigerator 18 CF(2 / RM)	2	EA	1,400.00	2,800
Microwave(2 / RM)	2	EA	500.00	1,000

Main Office:

Under counter refrigerator	1	EA	1,200.00	1,200
Microwave	1	EA	650.00	650

Medical Office :

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Under counter refrigerator	1	EA	1,400.00	1,400
Under counter icemaker	1	EA	1,200.00	1,200
Microwave	1	EA	650.00	650

				8,900
114000 FOOD SERVICE EQUIPMENT				
Kitchen equipment & casework - allow	1	LS	450,000.00	450,000

				450,000
115213 PROJECTION SCREENS				
Elec. Op Projection Screen:				
Café rear screen (139"x87")	1	EA	10,000.00	10,000
Gym screen (144"x10')	1	EA	10,000.00	10,000

				20,000
116600 ATHLETIC & SPORTS EQUIPMENT				
Basketball backstops - electric	6	EA	9,500.00	57,000
Wall padding - 7' H	750	SF	17.00	12,750
Motorized gym divider curtain 50' x 24'		EXISITNG		
Climbing wall (20'x8'H)		N/A		
Climbing ropes		N/A		
Volley ball court equip.		N/A		
Manual folding bleacher 16' x 3 rows		N/A		

				69,750
119000 MISC. EQUIPMENT				
Kiln		NIC		
Metal storage shelving		NIC		
Library equipment		NIC		

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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0

DIVISION 12 - FURNISHINGS

122413 ROLLER SHADES

Ext Café motor op shade	3,142	SF	28.00	87,976
Ext Meco Shade - Manual: Punched wind.	7,203	SF	7.75	55,823
Int blinds @ wind.	1	LS	7,500.00	7,500

				151,299

123553 CLASSROOM CASEWORK

A1 - CL Rm Base, PL Counter and Wall Cabinet	335	LF	610.00	204,350
A1 - Staff Base, SS Counter and Wall Cabinet	12	LF	670.00	8,040
A2 - Perimeter Open shelving unit	488	LF	400.00	195,200
A3 - Tall Storage Unit	271	LF	500.00	135,500
PK-4 Perm Book shelving	74	LF	750.00	55,500
PL Cubbies	180	LF	125.00	22,500
PL Cubbies w/ door	360	LF	250.00	90,000
Misc. Built-ins	125,736	GSF	0.50	62,868
Auditorium Seating	524	EA	310.00	162,440

				936,398

124813 MATS

Walk off mat	288	SF	15.00	4,320

				4,320

DIVISION 21 - FIRE SUPPRESSION

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
210001 FIRE SUPPRESSION*				
Sprinkler System	125,736	SF	4.50	565,812
Fire and Jockey Pump	1	LS	115,000.00	115,000

				680,812
DIVISION 22 - PLUMBING				
220001 PLUMBING*				
P1 - Water closet	6	EA	1,875.00	11,250
P1A - Water closet ADA	29	EA	1,875.00	54,375
P2A - Lav	29	EA	1,345.00	39,005
P3 - Urinal	8	EA	1,650.00	13,200
P4 - Drinking Fountain (hi lo w/ bottle fill)	4	EA	4,800.00	19,200
P5 - Mop sink	2	EA	1,375.00	2,750
P12 - Eye wash	3	EA	2,300.00	6,900
Classroom sink	27	EA	1,550.00	41,850
Shower	6	EA	2,450.00	14,700
Bradley 2 station basin	4	EA	3,850.00	15,400
Bradley 3 station basin	1	EA	5,500.00	5,500
Hose Bib	5	EA	750.00	3,750
Wall Hydrant	5	EA	750.00	3,750
Auto Sensor (hard wire):				
Flush valve	33	EA	550.00	18,150
Lav Sensor	17	EA	420.00	7,140
Plumbing Equipment:				
WBH (54 kw 6200 gal)	3	EA	36,000.00	108,000
Science Rm EWH (119 gal.)	1	EA	4,500.00	4,500
Misc. Valve and trim	1	LS	25,000.00	25,000
Master mixing valves	1	EA	3,850.00	3,850
Circulation Pump:				
RP-1	2	EA	4,200.00	8,400
Expansion Tank	1	EA	3,200.00	3,200
ANT-1 (30 gal tank)	3	EA	5,000.00	15,000
Ph Nuetralization System	1	LS	45,000.00	45,000
Kitchen equipment hookup	1	LS	50,000.00	50,000
5,000 gal	1	EA	13,500.00	13,500

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
GR-1	1	EA	12,500.00	12,500
GR-2	1	EA	9,500.00	9,500
Roof/Storm Drain System				
Replace Roof Drainage	80,000	SF	2.50	200,000
Sanitary System				
Underground D/W/V Pipe:				
4"	2,500	LF	44.00	110,000
8"	2,500	LF	95.00	237,500
FCO	35	EA	425.00	14,875
Above Ground D/W/V Pipe:				
2"	2,500	LF	34.00	85,000
4"	2,500	LF	47.50	118,750
6"	500	LF	65.00	32,500
CO	30	EA	400.00	12,000
Trap Primer	1	LS	10,000.00	10,000
Domestic piping:				
Main	3,000	LF	45.00	135,000
Branch	3,000	LF	25.00	75,000
1" Pipe Insul.:				
Main	3,000	LF	9.00	27,000
Branch	3,000	LF	8.00	24,000
Underground Water Service:				
6" Service	10	LF	110.00	1,100
Water service BFP and meter rough in	1	LS	12,500.00	12,500
Cut and Cap Existing	1	LS	25,000.00	25,000
Test , permit misc gc	1	LS	20,000.00	20,000
General Requirement Temp Piping	1	LS	75,000.00	75,000

				1,770,595

DIVISION 23 - HVAC

230001 HVAC*

Renovation HVAC	125,736	EA	35.93	4,517,411

				4,517,411

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 26 - ELECTRICAL				
260001 ELECTRICAL*				
Power and Feeders	125,736	SF	5.00	628,680
Wiring Devices	125,736	SF	2.45	308,053
Mechanical wiring	125,736	SF	2.35	295,480
Interior Lighting	125,736	SF	7.75	974,454
Lighting Control	125,736	SF	1.10	138,310
Fire Alarm	125,736	SF	3.35	421,216
BDA	125,736	SF	0.55	69,155
Lightning Protection	125,736	SF	0.50	62,868
Electric metering premium	1	LS	75,000.00	75,000
Commissioning	1	LS	75,000.00	75,000
Temp Electrical and Lighting	125,736	SF	0.90	113,162
Demo and Disconnect	1	LS	45,000.00	45,000
Phasing Logistics	1	LS	30,000.00	30,000
Communication:				
Horizontal Cabling	125,736	SF	3.50	440,076
Network switches, WIFI and Equipment Voice Communication		W/ ff&e		
T/D Rough-in	125,736	SF	0.65	81,728
Distributed IP AV	1	LS	150,000.00	150,000
Clock and PA	125,736	SF	1.35	169,744
Local Sound:				
Gymnasium	2	EA	45,000.00	90,000
Cafeteria	1	EA	45,000.00	45,000
Media Center	1	EA	30,000.00	30,000
Projector - Café	1	LS	45,000.00	45,000
Data Acquisition System	1	LS	40,000.00	40,000
Security:				
Card Access	13	EA	1,250.00	16,250
Video Intercom	4	LOC	6,000.00	24,000
Duress Button	1	LS	5,000.00	5,000
Visitor Management	1	LS	7,500.00	7,500
Intrusion Detection	125,736	SF	0.75	94,302
Mass Notification	125,736	SF	1.00	125,736
CCTV:				
Interior Camera	45	EA	2,450.00	110,250
Exterior Camera	25	EA	3,100.00	77,500
CCTV Equipment	1	LS	45,000.00	45,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL	
PV Rough-in	1	LS	50,000.00	50,000	
750 KW Generator	1	LS	390,000.00	390,000	
Theater:					
Theatrical Lighting	1	LS	165,500.00	165,500	
Audio Visual Theater:					
Wired microphones	1	LS	3,000.00	3,000	
Wireless microphones	1	LS	12,000.00	12,000	
Digital mixing console (Dante Card for OFE)	1	LS	800.00	800	
Audio recorder	1	LS	1,400.00	1,400	
Audio signal processing	1	LS	12,300.00	12,300	
Production communications	1	LS	9,900.00	9,900	
Loudspeakers (install auditorium sys)	1	LS	26,900.00	26,900	
Loudspeakers (portable)	1	LS	4,200.00	4,200	
Loudspeakers (Backstage)	1	LS	22,000.00	2,200	
Amplifiers	1	LS	11,500.00	11,500	
Assistive listening system	1	LS	6,600.00	6,600	
Projection screen	1	LS	20,900.00	20,900	
Video projector, lens, & accessories	1	LS	31,300.00	31,300	
AV sources (Blue-ray Player)	1	LS	800.00	800	
Video cameras	1	LS	6,100.00	6,100	
Video routing and processing	1	LS	31,400.00	31,400	
System control, touch pnls & accessories	1	LS	9,500.00	9,500	
Miscellaneous	1	LS	26,800.00	26,800	
	Labor (35% equip tot)	1	LS	76,160.00	76,160
	Contingency (5% equip total)	1	LS	14,688.00	14,688
AV Rough in	1	LS	140,000.00	140,000	

				5,887,411	

DIVISION 31 - EARTHWORK

310000 EARTHWORK

Slab's :

12" Gravel base - BLDG Area C	631	CY	65.00	41,015
12" Gravel base - Slab infill	266	CY	65.00	17,290
Excavate and Backfill Column Footing	986	CY	145.00	142,970
Excavate plumbing trenches	1	LS	35,000.00	35,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Foundation Earthwork :				
Excavate New Perm Foundation	3,205	CY	75.00	240,375
Backfill Existing Mat'l	3,205	CY	30.00	96,150
Prep foundation face	9,400	SF	2.00	18,800

				591,600

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
ADD ALTERNATE NO. 1 - ADD WIRELESS MICROPHONES				
Wireless microphones	1	LS	55,900.00	55,900
Miscellaneous	1	LS	5,600.00	5,600
SUBTOTAL				61,500
GENERAL CONDITIONS		10 %		6,150
SUBTOTAL				67,650
GENERAL REQUIREMENTS		4 %		2,706
SUBTOTAL				70,356
CONTRACTOR FEE		3 %		2,111
SUBTOTAL				72,467
INSURANCE		1 %		725
SUBTOTAL				73,191
BUILDING PERMIT		0 %		0
SUBTOTAL				73,191
P&P BOND		1 %		732
SUBTOTAL				73,923
DESIGN CONTINGENCY		5 %		3,696
SUBTOTAL				77,619
CM CONTINGENCY		0 %		0
SUBTOTAL				77,619
ESCALATION		2 %		1,552
TOTAL ALTERNATE NO. 1				79,172

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
ADD ALTERNATE NO. 2 - VIDEO RECORDING/STREAMING				
Video monitor	1	LS	1,500.00	1,500
Viceo capture appliance	1	LS	7,200.00	7,200
Video processing	1	LS	1,300.00	1,300
Miscellaneous	1	LS	1,000.00	1,000
SUBTOTAL				11,000
GENERAL CONDITIONS		5 %		550
SUBTOTAL				11,550
GENERAL REQUIREMENTS		2 %		231
SUBTOTAL				11,781
CONTRACTOR FEE		2 %		236
SUBTOTAL				12,017
INSURANCE		1 %		120
SUBTOTAL				12,137
BUILDING PERMIT		0 %		0
SUBTOTAL				12,137
P&P BOND		1 %		121
SUBTOTAL				12,258
DESIGN CONTINGENCY		4 %		490
SUBTOTAL				12,748
CM CONTINGENCY		0 %		0
SUBTOTAL				12,748
ESCALATION		0 %		0
TOTAL ALTERNATE NO. 2				12,748

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
ADD ALTERNATE NO. 3 - BROADCAST VIDEO				
Video monitor	1	LS	1,500.00	1,500
Video cameras	1	LS	17,600.00	17,600
Video production switcher	1	LS	2,000.00	2,000
Digital video recorder	1	LS	1,800.00	1,800
Video distribution	1	LS	3,500.00	3,500
Miscellaneous	1	LS	2,600.00	2,600
SUBTOTAL				29,000
GENERAL CONDITIONS		5 %		1,450
SUBTOTAL				30,450
GENERAL REQUIREMENTS		2 %		609
SUBTOTAL				31,059
CONTRACTOR FEE		2 %		621
SUBTOTAL				31,680
INSURANCE		1 %		317
SUBTOTAL				31,997
BUILDING PERMIT		0 %		0
SUBTOTAL				31,997
P&P BOND		1 %		320
SUBTOTAL				32,317
DESIGN CONTINGENCY		4 %		1,293
SUBTOTAL				33,610
CM CONTINGENCY		0 %		0
SUBTOTAL				33,610
ESCALATION		0 %		0
TOTAL ALTERNATE NO. 3				33,610

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
ADD ALTERNATE NO. 4 - LECTURE HALL VIDEO				
Video display panel (includes 2x75" displays and mobile carts)	1	LS	8,400.00	8,400
Video routing and processing	1	LS	760.00	760
Miscellaneous;	1	LS	1,600.00	1,600
SUBTOTAL				10,760
GENERAL CONDITIONS		5 %		538
SUBTOTAL				11,298
GENERAL REQUIREMENTS		2 %		226
SUBTOTAL				11,524
CONTRACTOR FEE		2 %		230
SUBTOTAL				11,754
INSURANCE		1 %		118
SUBTOTAL				11,872
BUILDING PERMIT		0 %		0
SUBTOTAL				11,872
P&P BOND		1 %		119
SUBTOTAL				11,991
DESIGN CONTINGENCY		4 %		480
SUBTOTAL				12,470
CM CONTINGENCY		0 %		0
SUBTOTAL				12,470
ESCALATION		0 %		0
TOTAL ALTERNATE NO. 4				12,470