CONSTRUCTION | AT PC WE GO ABOVE AND BEYOND ON EVERY JOB, PERIOD.

December 17, 2015

Dr. Elaine M. Arbour, Ed.D., Superintendent of Schools
The Dover School District – School Administrative Unit #11
McConnell Center
61 Locust Street, Suite 409
Dover, New Hampshire 03820-4132

Re: Dover School District – Dover High School & Career Technical Center
PC Project #15027

Dear Dr. Arbour:

On behalf of the entire PC Construction team, thank you for the opportunity to provide preconstruction services to support your project. We have developed a Schematic Design Estimate in the amount of $73,450,000.

The following summary page outlines the make-up of our Schematic Design Estimate. The base cost of $71,501,000 represents the original scope of work priced in our Feasibility Estimate previously submitted in June of 2015. To the base estimate, additional scope of work items have been incorporated into the Total Schematic Design Estimate since Feasibility totaling $1,949,000. This results in a total construction cost of $73,450,000. Deduct alternates and value engineering cost reductions will be offered to reduce the project cost to at or below our original budget of $71,593,000.

It has been a pleasure working with you and your team during the development of this estimate. We are available at your convenience to review our estimate and answer any questions you may have. We look forward to working with the Dover School District and your entire team on this exciting project.

Sincerely,

Joseph Picoraro
Vice President

cc: Scott Eastman
Jay Fayette

CONSTRUCTION | AT PC WE GO ABOVE AND BEYOND ON EVERY JOB, PERIOD.

15027 - Dover High School 17-Dec-15

Schematic Cost Estimate Summary

Base Estimate	**$ 71,501,000**
Scope Changes Since Feasibility Documents	
Additional Courtyard Scope	197,000
Replace Track & Related Improvements	708,000
Increased Barn Scope	200,000
Increased Square Footage (Added 3,300 SF to High School)	462,000
Security Budget Increase	244,000
Added Building Elements	138,000
Total Schematic Estimate	**$ 73,450,000**

Dover High School

Schematic Estimate

ESTIMATE SUMMARY

PC Construction Company
193 Tilley Drive
So. Burlington, VT 05403

Date : 12/17/2015
Project # : 15027
Duration (in months) : 35
Size : 308,023 SF

Direct costs			$67,586,952
	Material sales tax	0.00%	$0
Gross cost			$67,586,952
	Escalation	0.00%	$0
	Gross receipts tax	0.00%	$0
	Builder's risk insurance	0.07%	$51,415
	Liability insurance	0.75%	$550,875
	Construction manager contingency	4.50%	$3,041,413
	P & P Bond	$428,030	$428,030
	Sub Total		$71,658,685
	CM Fee	2.50%	$1,791,467
Total			$73,450,000

Dover High School - Schematic Estimate

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Recap - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
	A10 - FOUNDATIONS				5,128,947
	B10 - SUPERSTRUCTURE				9,454,227
	B20 - EXTERIOR CLOSURE				6,097,897
	B30 - ROOFING				2,550,426
	C10 - INTERIOR CONSTRUCTION				5,615,518
	C20 - STAIRCASES				465,122
	C30 - INTERIOR FINISHES				5,149,533
	D10 - CONVEYING SYSTEMS				203,626
	D20 - PLUMBING				2,636,578
	D30 - HVAC				9,031,084
	D40 - FIRE PROTECTION				1,046,197
	D50 - ELECTRICAL				8,020,218
	E10 - EQUIPMENT				905,347
	E20 - FURNISHINGS				1,251,055
	F10 - SPECIAL CONSTRUCTION				1,958,168
	F20 - SELECTIVE BUILDING DEMOLITION				1,642,022
	G10 - SITE PREPARATION				565,982
	G20 - SITE IMPROVEMENTS				2,420,389
	G30 - SITE UTILITIES				944,403
	Z10 - GENERAL				4,564,540
	Z20 - MAJOR CUSTOM PROGRAM ELEMENTS				1,300,000
	Z30 - GSF Revisions				-3,364,328
	Total Gross Cost				67,586,952

Dover High School - Schematic Estimate

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
A10 - FOUNDATIONS					
A1010 - STANDARD FOUNDATIONS					
2210.205	Structure Excavation	20,853	CY	12.13	252,893
2220.330	Struct Fill at Agg Piers	9,600	CY	31.92	306,414
2220.335	BF Frost Wall w/ Crushed Stone	4,290	CY	37.51	160,918
2220.340	BF Frost Wall w/ On Site Matl	3,780	CY	17.51	66,188
2492.105	Aggregate Piers (18" Diameter, 20' deep, 8' x 8' Grid)	101,111	SF	12.00	1,213,332
3000.000	18" x 4' Concrete Pier with 2'x2'x1' footing	14	EA	275.49	3,857
3300.005	Concrete Stairs - Bleachers	210	SF	55.00	11,550
3300.005	Concrete Stairs - Courtyard	80	SF	55.00	4,400
3390.000	2'-6" x 1'-0" Continuous Footing (Frost Wall) - 2600 LF	270	CY	341.60	92,369
3391.000	Winter Concrete	5,584	CY	10.00	55,840
3391.010	12" x 2'-6" Continuous Footing - 256 LF	25	CY	341.60	8,691
3391.014	1' x 2'-6" Continuous Footing - 813 LF	85	CY	341.60	28,883
3391.014	12" x 2'-6" Continuous Footing - 322 LF	33	CY	341.60	11,440
3391.018	1' x 3' Continuous Footing (Auditorium Pit) - 140 LF	17	CY	308.00	5,381
3391.018	1' x 3' Footing - Courtyard Found Wall at Stairs	4	CY	308.00	1,384
3391.022	1' x 8' Continuous Footing - Courtyard Pond/Walk Way Retaining Wall - 213 LF	71	CY	283.20	20,075
3391.022	2' x 8' Continuous Footing - 136 LF	87	CY	260.00	22,664
3391.022	8' x 2' Continuous Footing (Cantilevered Ret Wall) - 384 LF	246	CY	260.00	63,992
3391.029	4' x 4' x 2'-6" Isolated Footing - 281 Total Footings	447	CY	387.20	173,002
3391.029	4' x 4' x 2'-6" Isolated Footing - 22 EA	35	CY	387.20	13,545
3391.029	4' x 4' x 2'-6" Isolated Footings - 62 EA	99	CY	387.20	38,171
3391.033	5'-6" x 4'-0" x 2'-6" Isolated Footing - 9 EA	20	CY	340.00	6,690
3391.045	10' x 10' x 3' Isolated Footing - 13 EA	154	CY	370.40	57,126
3391.210	12" x 4'-0" Height Elevator Pit Wall - 84 LF	13	CY	620.00	8,024
3391.210	8" x 4' Foundation Wall (Auditorium Pit) - 140 LF	14	CY	680.00	9,827
3391.225	1' x 6' Ht Found Wall at Courtyard Stairs	11	CY	843.20	9,354
3391.225	14" x 10' Ht Retaining Wall at Courtyard Pond/ Walkway - 213 LF	109	CY	592.80	64,686
3391.225	14" x 4' Frost Wall - 256 LF	46	CY	660.00	30,372
3391.225	14" x 4' Frost Wall - 320 LF	58	CY	592.80	34,196
3391.225	14" X 4' Ht Frost Wall - 2,705 LF	468	CY	592.80	277,449
3391.225	14" x 4' Ht Frost Wall - 922 LF	166	CY	592.80	98,274
3391.225	16" x 13' Cantilevered Retaining Wall - 136 LF	91	CY	540.00	48,910
3391.225	16" x 13' Ht Wall (Cantilevered ret wall) - 411 LF	298	CY	592.80	176,814
3391.240	2' x 1'-6" x 4' ht Pilaster (104 EA)	48	CY	860.00	41,341
3391.240	2' x 1'-6" x 4' Ht Pilaster - 16 EA	7	CY	860.00	6,360
3391.240	2' X 1'-6" X 4' Pilaster - 36 EA	17	CY	860.00	14,310
3391.255	2' x 2' x 4' Column - 2 EA	1	CY	758.40	935
3391.255	2' x 2' x 4' Height Column	10	CY	758.40	7,478
3395.210	2'-6" x 2'-6" Grade Beam	291	CY	478.40	139,299
3395.210	2'-6" x 2'-6" Grade Beam - 22 LF	5	CY	478.40	2,615
3395.210	2'-6" x 2'-6" Grade Beam - 77 LF	19	CY	478.40	9,152
7010.000	Crystalline Waterproofing - Elevator Pits	600	SF	2.50	1,500
7010.005	Crystalline Waterproofing - Orchestra Pit	4,256	SF	2.50	10,640
7110.100	Damproof Frost Wall	2,304	SF	1.50	3,456
7200.105	Rigid Insulation - 2" Frost Wall	14,212	SF	2.08	29,615
**** Total A1010 - STANDARD FOUNDATIONS**					**3,643,412**
A1030 - LOWEST FLOOR CONSTRUCTION					
2220.332	Crushed Stone Under Slab - 12"	95	CY	37.51	3,563

Dover High School - Schematic Estimate

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
2220.332	Crushed Stone Under Slab - 8"	9,014	CY	37.51	338,115
3250.451	15 Mil Stego Wrap Under Slab Vapor Barrier - Taped Seams	204,063	SF	0.71	145,477
3395.025	2' Elevator Base Slab, Rebar Reinforced, 1-mat - 316 Total SQ FT	25	CY	660.00	16,388
3395.025	5" Slab on Grade - 74,736 SF	1,315	CY	264.00	347,084
3395.025	5" SOG - 3,485 SF	61	CY	264.00	16,185
3395.025	5" SOG - 5, 681 SF	100	CY	264.00	26,383
3395.025	5" SOG - 9,045 SF	159	CY	264.00	42,006
3395.025	6" Slab on Grade, Rebar Reinforced, 1-mat - 64,869 Total SQ FT	1,349	CY	264.00	356,209
3395.025	6" SOG - 27,693 SF	576	CY	264.00	152,068
3395.055	8" Thickened Edge, Formed (for slab on grade)	15	CY	326.40	4,785
3395.055	8" Thickened Slab - 329 LF	17	CY	326.40	5,543
7200.105	Rigid Insulation - 2"	6,249	SF	2.08	13,022
7200.105	Rigid Insulation - 2" (2' around perimeter)	8,978	SF	2.08	18,708
**** Total A1030 - LOWEST FLOOR CONSTRUCTION**					**1,485,535**
*** Total A10 - FOUNDATIONS**					**5,128,947**
B10 - SUPERSTRUCTURE					
B1010 - FLOOR CONSTRUCTION					
3395.525	Auditorium Seating: Slab on Metal Deck, Rebar Reinforced, 1-mat - 7833 Total SQ FT	200	CY	340.00	68,156
3395.525	F-3: 6-1/2" Slab on Metal Deck, Rebar Reinforced, 1-mat - 29472 Total SQ FT	754	CY	287.20	216,617
3395.525	F2: 5-1/2" Slab on Metal Deck, Rebar Reinforced, 1-mat - 18841 Total SQ FT	416	CY	287.20	119,405
3395.525	F2: 5-1/2" Slab on Metal Deck, Rebar Reinforced, 1-mat - 95864 Total SQ FT	2,115	CY	287.20	607,538
3395.525	F3: 6-1/2" Slab on Metal Deck, Rebar Reinforced, 1-mat - 10668 Total SQ FT	273	CY	287.20	78,409
3395.525	F3A: 6-1/2" Slab on Metal Deck, Rebar Reinforced, 1-mat - 23557 Total SQ FT	599	CY	287.20	171,996
3397.025	1' Wide x 6' High Arched Concrete Step (Auditorium) - 597 LF	34	CY	420.00	14,420
3397.025	3' Wide x 1' High Arched Concrete Step (Auditorium) - 1609 LF	278	CY	420.00	116,589
3397.025	4' Wide x 1' High Arched Concrete Step (Auditorium) - 82 LF	19	CY	420.00	7,922
3397.025	5' Wide x 1' High Arched Concrete Step (Auditorium) - 24 LF	7	CY	420.00	2,898
3397.025	6' Wide x 1' High Arched Concrete Step (Auditorium) - 12 LF	4	CY	420.00	1,739
5010.050	Adjust Structural Steel Per Narrative (5% backed out)	294	TON	3,100.00	911,400
5010.050	Structural Steel - Roof Structure	20	TON	3,100.00	62,620
5010.052	Structural Steel - Floor Structure	1,083	TON	3,100.00	3,357,300
5010.058	Structural Steel - Canopy Structure 8lbs/ SF	31	TON	3,100.00	96,100
5300.305	F2: 2"x20ga Galvanized Metal Deck	126,176	SF	1.80	227,116
5300.405	Auditorium Seating: 3"x20ga Galvanized Metal Deck	8,616	SF	2.15	18,525
5300.405	F-3: 3"x20ga Galvanized Metal Deck	32,419	SF	2.15	69,701
5300.405	F3: 3"x20ga Galvanized Metal Deck	11,735	SF	2.15	25,230
5300.405	F3A: 3"x20ga Acoustic Galvanized Metal Deck	25,913	SF	4.95	128,268
7850.001	Spray Fireproofing - Structural Steel	132,091	SF	2.50	330,228
7852.010	Item 13 - Revised Band/Chorus spaces	1	LS	-45,788.00	-45,788
7852.015	Add fire walls and remove FP/ Change W beams to joists at CR wings	1	LS	-565,000.00	-565,000
**** Total B1010 - FLOOR CONSTRUCTION**					**6,021,389**

Dover High School - Schematic Estimate

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
	B1020 - ROOF CONSTRUCTION				
3395.525	F3: 6-1/2" Slab on Metal Deck, Rebar Reinforced, 1-mat - 1166 Total SQ FT	30	CY	287.20	8,513
5010.050	Structural Steel - Roof Structure	884	TON	3,100.00	2,740,400
5300.205	R1.5: 1-1/2"x20ga Galvanized Metal Deck	27,942	SF	1.70	47,501
5300.405	F3: 3"x20ga Galvanized Metal Deck	1,283	SF	2.15	2,758
5300.405	R3.0: 3"x20ga Galvanized Metal Deck	103,040	SF	2.15	221,536
5300.405	R3.0A: 3"x20ga Galvanized Acoustic Metal Deck	22,772	SF	4.95	112,721
5500.000	Miscellaneous Metals (Angle at Roof Curb)	1	LS	20,000.00	20,000
5500.000	Miscellaneous Metals (Angle at Roof Curb)	1	LS	8,000.00	8,000
5590.012	Miscellaneous Steel Framing-Galvanized - Equipment Screens	13,000	LBS	1.54	20,001
6000.000	Roof edge blocking	9,200	LF	7.78	71,531
6000.500	Roof Trusses w/ sheathing (Barn)	3,654	SF	8.00	29,232
7850.001	Spray Fireproofing - Roof Deck	100,430	SF	1.50	150,645
** Total B1020 - ROOF CONSTRUCTION					3,432,838
* Total B10 - SUPERSTRUCTURE					9,454,227
	B20 - EXTERIOR CLOSURE				
	B2010 - EXTERIOR WALLS				
2720.100	Exterior Chain Link Fence - Galvanized 12' High (Barn)	207	LF	40.00	8,280
4000.005	Brick Veneer System	100,123	SF	26.00	2,603,198
4000.105	Glazed Brick Soldier Coursing	620	SF	32.00	19,840
5010.050	Structural Steel - Exterior Wall Structure	4	TON	3,100.00	10,850
5584.000	Exterior Decorative Column Covers - Not shown on elevations				
5585.000	Canopy Support Subframing	2,400	SF	12.00	28,800
5588.000	Steel Lintels	1	LS	62,624.00	62,624
6000.105	Wood Framed Barn	3,654	SF	25.00	91,350
6100.612	2x6 Partitions w/ 1/2" OSB Sheathing - 16' Ht (Barn)	4,192	SF	4.60	19,270
6200.512	T&G Siding - Red Cedar (6" Exposure) (Barn)	3,300	SF	8.00	26,397
6200.550	Wood Fascia/Soffit	336	SF	10.00	3,360
7210.816	3-1/2" Mineral Wool Insulation	107,345	SF	2.50	268,363
7260.120	Spray applied A/V barrier	107,345	SF	2.50	268,363
7420.012	Alt Facade System: Metal Panel (Exposed Fastener) - Canopy	1,980	SF	35.00	69,300
7800.120	Parapet Cap/ Coping	4,545	LF	12.00	54,540
9285.015	Exterior Partition: 6" Framing, 5/8" Type "X" GWB (1 Side), 1/2" Dens Glass, Taped (Level 4) - Type WA1	93,044	SF	8.50	790,874
10410.150	Signage	1	LS	10,000.00	10,000
13126.000	Reduce Ht of gym to 2-1/2 stories	1	LS	-199,599.00	-199,599
13128.000	Reduce town square by 10'	1	LS	-199,599.00	-199,599
** Total B2010 - EXTERIOR WALLS					3,936,210
	B2020 - WINDOWS				
8500.010	Operable Aluminum Windows	7,795	SF	60.00	467,700
8500.015	Fixed Aluminum Windows	1,578	SF	55.00	86,790
8800.800	Curtainwall	12,733	SF	80.00	1,018,640
8800.800	Remove heat mirror	1	LS	-138,904.00	-138,904
8800.810	Curtainwall w/ Operable Windows	1,776	SF	80.00	142,080
8800.815	Double Glazed Curtainwall	4,454	SF	85.00	378,590
8800.840	Barn Windows	443	SF	40.00	17,720
8800.845	Barn Transoms	12	EA	600.00	7,200
13120.000	Pre-Engineered Green House	900	SF	80.00	72,000
13125.000	Pre-Engineered Covered Round Pen	1,963	SF	25.00	49,075
13127.000	Reduce Curtain Wall	1	LS	-250,000.00	-250,000

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
	** Total B2020 - WINDOWS				1,850,891
	B2030 - EXTERIOR DOORS				
6200.300	Sliding Barn Door	14	EA	1,388.76	19,443
6200.300	Stall Doors	12	EA	1,388.76	16,665
8010.010	3070 Exterior Door	22	EA	2,500.00	55,000
8010.010	3070 Exterior Door	3	EA	1,404.76	4,214
8010.020	6070 Exterior Door	21	EA	5,000.00	105,000
8016.010	3070 Interior Barn Door	2	EA	1,404.76	2,810
8016.020	6070 Interior Barn Door	1	EA	2,065.16	2,065
8300.100	12' x 12' Overhead Door	7	EA	8,800.00	61,600
8300.100	18' x 18' Overhead Door	1	EA	11,000.00	11,000
8300.105	10' x 12' Overhead Door	2	EA	8,500.00	17,000
8300.108	10' x 10' Bifolding Garage Door	2	EA	8,000.00	16,000
	**** Total B2030 - EXTERIOR DOORS**				**310,797**
	*** Total B20 - EXTERIOR CLOSURE**				**6,097,897**
	B30 - ROOFING				
	B3010 - ROOF COVERINGS				
7200.015	12" Batt Insulation (R38)	4,938	SF	1.15	5,675
7310.015	Asphalt Single Roof	4,938	SF	5.79	28,609
7400.023	Canopy Roofing - EPDM	1,253	SF	10.00	12,530
7400.024	Roof Type R2C - EPDM	1,336	SF	10.00	13,360
7530.017	Roof Type R1A	45,522	SF	10.00	455,220
7530.018	Roof Type R1B	38,793	SF	10.00	387,930
7530.019	Roof Type R1C	23,075	SF	10.00	230,750
7530.020	Roof Type R1D	45,300	SF	10.00	453,000
7700.001	Roof Walkway Pads	3,000	SF	18.00	54,000
7700.002	Roof Scuppers	4	EA	1,000.00	4,000
7700.003	*** Roof-top Units (Curbs) ***	25	EA		
7700.004	*** Roof Drain ***	7	EA		
7700.004	Roof Expansion Joint/Bulb Assembly	34	LF	40.00	1,360
7700.004	Roof Expansion Joint/Bulb Assemby	298	LF	40.00	11,920
7700.005	Exterior Wall Expansion Joint Assembly	269	LF	40.00	10,760
7700.110	EPDM Roof (Prev Green Roof)	41,352	SF	10.00	413,520
7800.250	Metal Roof Edge with 4" Facsia	6,162	LF	12.00	73,944
7800.251	Metal Roof Cap at Brick Piers (1'-6"x10'-0")	6	EA	180.00	1,080
7820.150	Roof Protection - Tie-off Anchor	75	EA	600.00	45,000
9100.200	Stucco Exterior Ceiling - Type C3A	8,697	SF	12.00	104,364
9280.103	R1A - 2 Layers Protection Board - 1/2" Gypsum Sheathing-Densglass	91,044	SF	2.26	205,423
10200.010	Equipment Screen - Visual 8'-0" Tall Panel	552	SF	40.67	22,449
10200.011	Equipment Screen - Acoustic 8'-0" Tall Panel	2,664	SF	60.67	161,622
10200.031	Reduce entrance & loading dock canopies	1	LS	-200,000.00	-200,000
	**** Total B3010 - ROOF COVERINGS**				**2,496,516**
	B3020 - ROOF OPENINGS				
5510.580	Steel Ladder w/o Cage - Roof Access	22	VLF	65.21	1,435
7810.100	Roof Hatch (3x3)	2	EA	1,238.08	2,476
8000.000	Skylights	1	LS	50,000.00	50,000
	**** Total B3020 - ROOF OPENINGS**				**53,911**
	*** Total B30 - ROOFING**				**2,550,426**
	C10 - INTERIOR CONSTRUCTION				
	C1010 - PARTITIONS				
4000.110	8" CMU Block Wall - Type 16A	27,859	SF	12.00	334,308
4030.410	8" "Soundblox" - 3 courses (Gymnasium)	1,860	PCS	12.10	22,506
5500.000	Miscellaneous Metals (Angle at CMU Partitions)	1	LS	18,000.00	18,000
5500.000	Miscellaneous Metals (Angle at CMU Partitions)	1	LS	6,000.00	6,000

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
6010.000	In Wall Blocking	1	LS	50,000.00	50,000
6010.000	In Wall Blocking	1	LS	24,437.84	24,438
6100.614	2x4 Interior Partitions - 16' Ht (Barn)	5,216	SF	4.60	23,977
8014.020	Interior Borrowed Lite - 2' x 4'	15	EA	609.52	9,143
8014.025	Interior Borrowed Lite - 3' x 5'	22	EA	609.52	13,409
8014.030	Interior Borrowed Lite - 4' x 5'	79	EA	609.52	48,152
8014.035	Interior Borrowed Lite - 4'-6" x 5'	53	EA	609.52	32,305
8014.040	Interior Borrowed Lite - 8' x 5'	55	EA	609.52	33,524
8014.045	Interior Borrowed Lite - 10' x 5'	4	EA	609.52	2,438
8014.050	Interior Borrowed Lite - 13' x 5'	2	EA	609.52	1,219
8014.055	Interior Borrowed Lite - 15' x 5'	16	EA	609.52	9,752
8014.060	Interior Borrowed Lite - 20' x 5'	2	EA	609.52	1,219
8014.065	Interior Borrowed Lite - 28' x 5'	1	EA	609.52	610
8014.068	Reduce quantity of borrowed lites	1	LS	-30,000.00	-30,000
8800.000	Glazed Partitions - 2 Hr	1,287	SF	60.00	77,220
8810.000	Interior Curtain Wall	1,106	SF	85.00	94,010
9285.001	Interior Partition: 3 5/8" Framing, 5/8" Type "X" GWB (2 Sides), Sound Batt, Taped (Level 4) - Type 01B	627	SF	6.29	3,946
9285.001	Interior Partition: Double Wall, 3 5/8" Framing, 5/8" Type "X" GWB (2 Layers, 2 Sides), Sound Batt, Taped (Level 4) - Type 12B	26,360	SF	19.92	525,091
9285.003	Interior Partition: 6" Framing, 5/8" Type "X" GWB (2 Sides), Sound Batt, Taped (Level 4) - Type 01A	118,053	SF	6.77	799,538
9285.003	Interior Partition: 6" Framing, 5/8" Type "X" GWB (3 Layers; 2 on Corridor Side, 1 Class Room Side), Sound Batt, Taped (Level 4) - Type 02A	103,449	SF	7.62	788,592
9285.007	Interior Partition: 8" Track, 6" Staggered Framing, 5/8" Type "X" GWB (2 Layers, 2 Sides), Sound Batt, Taped (Level 4) - Type 11A	2,162	SF	24.58	53,142
9285.013	Furred Partition: 3 5/8" Framing, 5/8" Type "X" GWB (1 Side), Sound Batt, Taped (Level 4) - Type 06B	14,261	SF	5.14	73,356
9285.015	Furred Partition: 6" Framing, 5/8" Type "X" GWB (1 Side), Sound Batt,Taped (Level 4) - Type 06A	6,709	SF	5.59	37,529
9285.015	Furred Partition: 6" Framing, 5/8" Type "X" GWB (2 layers, 1 Side), Sound Batt, Taped (Level 4) - Type 07A	1,348	SF	7.19	9,697
9285.015	Furred Partition: 8" Framing, 5/8" Type "X" GWB (1 Side), Taped (Level 4) - Type 08C	4,015	SF	7.19	28,883
9285.023	Fire Stopping	1	LS	15,000.00	15,000
9285.023	Fire Stopping	1	LS	60,000.00	60,000
9285.025	2 Hour Rated Interior Partition: 6" Framing, 5/8" Type "X" GWB (2 Layers, 2 Sides), Sound Batt, Firestopping, Taped (Level 4) - Type 03A	22,597	SF	9.99	225,688
9285.043	Gypsum: "U" Soffit - Metal Framing, 5/8" GWB, Corner Bead (2), Taped (Level 4)	31	SF	49.73	1,541
** Total C1010 - PARTITIONS					3,394,231
C1020 - INTERIOR DOORS					
8012.008	3070 Interior Wood Door, Hollow Metal Frame	152	EA	1,204.76	183,124
8012.008	3070 Interior Wood Door, Hollow Metal Frame (Not shown on schedule)	23	EA	1,204.76	27,709
8012.010	3070 Interior Wood Door, Hollow Metal Frame w/ Glass	250	EA	1,404.76	351,190
8012.018	6070 Interior Wood Door, Hollow Metal Frame	45	EA	1,765.16	79,432

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
8012.020	6070 Interior Wood Door, Hollow Metal Frame w/ Glass	21	EA	1,765.16	37,068
8014.000	Corridor Lock Down Hardware	1	LS	50,000.00	50,000
8300.108	14' x 10' Bifolding Garage Door (Interior)	1	EA	9,000.00	9,000
8300.112	10' x 10' Bifolding Garage Door (Interior)	2	EA	7,500.00	15,000
9900.205	Misc Painting - Door Frames, Misc Metals	1	LS	4,000.00	4,000
9900.205	Misc Painting - Door Frames, Misc Metals	1	LS	69,000.00	69,000
** Total C1020 - INTERIOR DOORS					825,524
C1030 - SPECIALTIES / MILLWORK					
5500.000	OT/PT Swing Support	1	EA	1,608.72	1,609
5590.016	Floor Expansion Joint Assembly	203	LF	52.01	10,557
5590.018	Wall Expansion Joint Assembly	198	LF	33.61	6,654
5590.020	Misc Metals	1	LS	75,000.89	75,001
6400.102	Custom Wood Work Benches (Building Const.)	105	LF	184.92	19,417
6505.105	Wood Cubbies (Art Rooms)	65	LF	224.68	14,604
6505.405	Display Case (Main Entrance)	19	LF	309.72	5,947
6505.420	Wood trim at lockers	158	LF	45.00	7,110
10000.020	**Smart Boards - N/A per HMFH		EA	2,677.73	
10100.004	Marker Board W/ Alum Trim (Typical to A12.1)	16,224	SF	15.63	253,623
10100.006	**Tack Board W/O Trim	3,048	SF	8.32	25,348
10180.102	Toilet Partitions W/ Door - Phenolic	66	EA	430.52	28,414
10180.103	Urinal Screen - Phenolic	19	EA	305.52	5,805
10180.204	*** Shower Rod and Curtain ***	8	EA	277.76	2,222
10180.206	Locker Room Bench	490	LF	80.28	39,335
10191.100	Privacy Curtain: Track W/Supports (No Curtain) - Lockerroom	26	LF	22.50	585
10191.100	Privacy Curtain: Track W/Supports (No Curtain) - Nurse	64	LF	22.50	1,440
10221.300	Interior Chain Link Partition - Galvanized 14' High	112	LF	40.00	4,480
10410.150	Signage	1	LS	78,000.00	78,000
10500.002	Staff Lockers - Single Tier (3' X 15" X 15") - Animal Sci. A106-A108	14	EA	180.55	2,528
10500.002	Staff Lockers - Single Tier (3' X 15" X 15") - Kitchen 4437-4438	34	EA	180.55	6,139
10500.003	Staff Lockers - Single Tier (3' X 15" X 15") - Lab 107A-107B	80	EA	180.55	14,444
10500.004	Lockers - Double Tier (6' X 18" X 18") - Student	769	EA	270.55	208,050
10500.007	Lockers - Full-Size - Student Athletic	251	EA	270.55	67,907
10500.008	Lockers - Half-Size - Student Athletic	199	EA	270.55	53,839
10500.009	Lockers - Full-Size - NJROTC Athletic	14	EA	270.55	3,788
10520.000	**Fire Extinguishers	102	EA	125.46	12,797
10520.050	**Fire Ext Cabinets	102	EA	302.76	30,882
10649.102	Operable Wall Partition (103' L x 28' HT) - Auditorium	2,884	SF	80.00	230,719
10649.102	Operable Wall Partition (32' L x 28' HT) - Gym	896	SF	80.00	71,680
10800.106	Grab Bar Unit	92	EA	101.38	9,327
10800.151	Surface Mtd Double Roll Tph	89	EA	197.38	17,567
10800.174	Surface Mounted SND	44	EA	377.38	16,605
10800.202	Surf Mtd Waste Receptacle	61	EA	282.38	17,225
10800.400	Liquid Soap Dispenser	61	EA	177.38	10,820
10800.602	Folding Shower Seat	8	EA	301.38	2,411
10800.610	Electric Hand Dryer	61	EA	301.38	18,384
10810.100	30"x30" Framed Mirror	97	EA	211.38	20,504
** Total C1030 - SPECIALTIES / MILLWORK					1,395,764
* Total C10 - INTERIOR CONSTRUCTION					5,615,518
C20 - STAIRCASES					
C2010 - STAIR CONSTRUCTION					

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
5510.000	****Metal Stairs****		****		
5510.050	Metal Pan Stair - 8'-0" (S1)	22	TRD	478.27	10,522
5510.050	Metal Pan Stair - 8'-6" (S2)	44	TRD	478.27	21,044
5510.051	Metal Pan Stair - 8'-0" (S3)	44	TRD	478.27	21,044
5510.051	Metal Pan Stair - 8'-0" (S4)	22	TRD	478.27	10,522
5510.051	Metal Pan Stair - 8'-0" (S5)	22	TRD	478.27	10,522
5510.052	Metal Pan Stair Landing (S3)	342	SF	71.60	24,486
5510.052	Metal Pan Stair Landing (S4)	171	SF	71.60	12,243
5510.052	Metal Pan Stair Landing (S5)	171	SF	71.60	12,243
5510.052	Metal Pan Stair Landing (S2)	302	SF	71.60	21,622
5510.055	Metal Pan Stair Landing (S1)	171	SF	71.60	12,243
5520.000	*** Handrails & Railings ***		****		
6200.055	Wood Amphitheater	1,536	SF	25.00	38,400
** Total C2010 - STAIR CONSTRUCTION					**194,889**
C2020 - STAIR FINISHES					
5512.050	Woven Wire Mesh Railings (S1)	98	LF	125.00	12,250
5512.100	Woven Wire Mesh Railings (S2)	93	LF	125.00	11,625
5512.150	Woven Wire Mesh Railings (S3)	98	LF	125.00	12,250
5512.200	Woven Wire Mesh Railings (S4)	98	LF	125.00	12,250
5512.250	Woven Wire Mesh Railings (S5)	98	LF	125.00	12,250
5512.300	Woven Wire Mesh Railings (Auditorium)	316	LF	125.00	39,500
5512.350	Wall Railings (Auditorium)	180	LF	65.93	11,867
5512.400	Stainless Steel Site Railings	402	LF	80.00	32,160
8800.844	Glass Handrail - Town Square	256	LF	265.00	67,840
8800.854	Change Glass Handrail to half wall with sections of railing	1	LS	-41,321.00	-41,321
9650.032	Rubber Treads & Risers - Type E1	9,051	SF	11.00	99,561
** Total C2020 - STAIR FINISHES					**270,232**
* Total C20 - STAIRCASES					**465,122**
C30 - INTERIOR FINISHES					
C3010 - WALL FINISHES					
5586.000	Decorative Column Covers - Town Square, 42' Ht	5	EA	6,000.00	30,000
6100.618	Rough Cut Wood Finish - 8' ht (at stall areas)	7,120	SF	3.90	27,745
6505.405	Custom Wood Paneling (Auditorium 30' High)	9,147	SF	35.00	320,145
6510.918	FRP Panels, Textured Finish, Class C Non Rated (Mechanically Fastened)	1,046	SF	4.83	5,048
6510.940	Ecophone	3,000	SF	9.00	27,001
9300.200	Ceramic Tile Wall - Thin Set - 6' Wainscot (Toilet Rooms & Kitchens)	13,788	SF	12.00	165,456
9300.205	Ceramic Tile Wall - Thin Set - Corridors	15,640	SF	12.00	187,680
9500.612	Tectum Wall Panels - 2"	17,621	SF	8.00	140,968
9900.100	Misc Painting/Staining - Barn	1	LS	4,000.00	4,000
9900.100	Paint Gypsum Walls (1 Coat Latex Primer, 2 Coats Latex Paint)	566,033	SF	0.82	464,147
9910.000	Paint (Corridors, Stairways & Toilet Rooms)	94,217	SF	0.82	77,258
** Total C3010 - WALL FINISHES					**1,449,448**
C3020 - FLOOR FINISHES					
6210.066	4" Wood Base Paint Grade (Auditorium Stage) - Type B2	300	LF	6.05	1,816
6210.070	6" Wood Base Stain Grade - (Auditorium) - Type B3	320	LF	9.55	3,057
9300.100	Ceramic Tile Floor - Thin Set (Toilet/Locker Rooms) - Type F1	14,240	SF	10.00	142,400
9300.100	Ceramic Tile Floor - Thin Set - (Toilet/Locker Rooms) - Type F1	1,543	SF	10.00	15,430
9300.105	Ceramic Tile Base - Thin Set - (Toilet/Locker Rooms) - Type F1	4,215	LF	10.00	42,150

Job #: 15027
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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
9300.105	Ceramic Tile Base - Thin Set - Type A1	202	LF	10.00	2,020
9300.105	Ceramic Tile Base - Thin Set - Type A2	1,763	LF	10.00	17,630
9300.105	Ceramic Tile Base - Thin Set - Type A3	2,034	LF	10.00	20,340
9300.105	Ceramic Tile Base - Thin Set - Type A4	5,321	LF	10.00	53,210
9320.005	Porcelain Tile Floor (Service/Storage/Kitchen) - Type G3	7,310	SF	12.00	87,720
9320.005	Porcelain Tile Floor - Type A2	11,390	SF	12.00	136,680
9320.010	Porcelain Tile Base (Service/Storage/Kitchen) - Type G3	1,011	LF	12.00	12,132
9550.100	Painted Hardboard System (Auditorium Stage) - Type B2	3,192	SF	16.00	51,072
9550.102	Maple Strip Flooring Pre-Finished (Gymnasium) - Type B1	20,472	SF	18.00	368,496
9550.102	Maple Strip Flooring Pre-Finished (Town Square) - Main Stair	1,081	SF	18.00	19,458
9650.008	Linoleum Flooring (Main Corridors) - Type A4	29,057	SF	5.00	145,285
9650.008	Linoleum Flooring (Offices) - Type D1	20,296	SF	5.00	101,480
9650.008	Linoleum Flooring (Service/Storage/Kitchen) - Type G2	16,957	SF	5.00	84,785
9650.008	Linoleum Flooring (Storage/Tack Room) - Type G2	416	SF	5.00	2,080
9650.008	Linoleum Flooring - (Classrooms) - Type C1	104,446	SF	5.00	522,230
9650.025	4" Rubber Base (Art Rooms) - Type C2	550	LF	2.75	1,513
9650.025	4" Rubber Base (Building Const., Automotive & Green House) - Type C3	1,993	LF	2.75	5,481
9650.025	4" Rubber Base (Mechanical Room) - Type G1	76	LF	2.75	209
9650.025	4" Rubber Base (Offices) - Type D1	5,128	LF	2.75	14,102
9650.025	4" Rubber Base (Service/Storage/Kitchen) - Type G1	1,142	LF	2.75	3,141
9650.025	4" Rubber Base (Service/Storage/Kitchen) - Type G2	2,982	LF	2.75	8,201
9650.025	4" Rubber Base (Storage/Tack Room) - Type G2	144	LF	2.75	396
9650.025	4" Rubber Base - (Classrooms) - Type C1	15,045	LF	2.75	41,374
9650.025	4" Rubber Base - Type C4	256	LF	2.75	704
9650.025	4" Rubber Base - Type E1	1,635	LF	2.75	4,496
9650.027	Ventilating Cove Base - Type B1	697	LF	6.00	4,182
9680.000	Carpet (Auditorium) - Type B3	391	SY	35.00	13,685
9700.000	Heavy Duty Agricultural Use Rubber (Barn Stalls) - Type C5	2,008	SF	20.00	40,160
9760.010	1/2" Interlocking Rubber Floor Tile - Type C4	2,857	SF	8.20	23,420
9800.005	Architectural Finished Concrete (Polished) Type 1 - (Art Rooms) - Type C2	4,550	SF	8.50	38,675
9800.005	Exposed Concrete/Hardener (Building Const., Automotive & Green House) - Type C3	21,194	SF	3.00	63,582
9800.005	Exposed Concrete/Hardener (Corridor of Barn) - Type C3	1,250	SF	3.00	3,750
9800.005	Exposed/Sealed Concrete (Mechanical Room) - Type G1	349	SF	1.50	524
9800.005	Exposed/Sealed Concrete (Service/Storage/Kitchen) - Type G1	5,288	SF	3.00	15,864
9800.005	Sealed/Hardened Concrete - (Auditorium)	10,651	SF	3.00	31,953
9800.010	Architectural Finished Concrete Type 1 - Type A3	13,820	SF	8.50	117,470
9900.400	Sealed Concrete	3,485	SF	1.50	5,228
9900.506	Paint Gym Floor Logo	1	LS	3,000.00	3,000
12671.107	Walk-Off Foot Grilles (Alum Grid W/ Vinyl Insert, Frame, & Pan) - Type A1	506	SF	60.00	30,360
** Total C3020 - FLOOR FINISHES					2,300,938

C3030 - CEILING FINISHES

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
9285.037	Gypsum Ceiling: Suspended Drywall Grid 5/8" Type "X" GWB (1 Layer), Taped (Level 4) - Type C2A	23,665	SF	5.31	125,664
9285.037	Gypsum Ceiling: Suspended Drywall Grid 5/8" Type "X" GWB (1 Layer), Taped (Level 4) - Type C2A	302	SF	5.31	1,604
9285.043	Gypsum: "U" Soffit - Metal Framing, 5/8" GWB, Corner Bead (2), Taped (Level 4) - Type C2A	4,283	SF	49.73	212,972
9285.050	Gypsum Ceiling: Type C4A	8,896	SF	14.50	128,992
9500.210	24x24 Lay-In ACT - Type C1A	172,625	SF	3.00	517,875
9500.210	24x24 Lay-In ACT Suspended Islands (Town Square) - Type C1A	6,966	SF	4.00	27,864
9500.210	24x24 Lay-In ACT Washable - Type C1B	6,063	SF	5.00	30,315
9500.300	Acoustic Islands 24x48 (Typ. 59) Lay-In ACT - (Band/Chorus Ceiling)	475	SF	15.00	7,125
9500.400	24x24 Lay-In ACT - Type C1A	11,941	SF	3.00	35,823
9500.518	3" Sound Attenuation Blanket (Acoustic Separation Ceilng) - Type C4A	8,896	SF	1.50	13,344
9500.520	3" Sound Attenuation Blanket (Kitchen)	3,358	SF	1.50	5,037
9500.520	Acoustic Clouds - (Auditorium)	4,670	SF	35.00	163,450
9900.600	Paint Steel Structure - Type Exposed Steel/Deck	64,541	SF	2.00	129,082
** Total C3030 - CEILING FINISHES					1,399,146
* Total C30 - INTERIOR FINISHES					5,149,533
D10 - CONVEYING SYSTEMS					
D1010 - ELEVATOR					
5530.122	Elevator Pit Misc Metals	2	EA	1,813.09	3,626
14200.115	Hydraulic Passenger Elevator A	3	STOP	40,000.00	120,000
14200.115	Hydraulic Passenger Elevator B	2	STOP	40,000.00	80,000
** Total D1010 - ELEVATOR					203,626
* Total D10 - CONVEYING SYSTEMS					203,626
D20 - PLUMBING					
D20 - PLUMBING					
15401.320	Domestic Water Heater, Residential Gas-Fired (NG/P) Atmospheric, Foam Lined Tank, 100 Gal.	1	EA	1,846.55	1,847
15401.338	Domestic Water Heater, Commercial Gas-Fired (NG/P) Atmospheric, Std. Controls, 199 MBH, 130 Gallons	2	EA	20,161.00	40,322
15401.554	Potable Water Storage Tank, Indoor, Glass-Lined PE, 605 Gal., 48" OD, 87" Long	1	EA	14,258.38	14,258
15401.556	Round, Stainless Steel, 26 ga., 8" OD - Water Heater Vent	120	LF	28.30	3,396
15402.452	Sump Pump, Wet-Pit Mounted, Vertical, Single Stage, 25 GPM, 1 HP, 1-1/2" Disch.	2	EA	4,055.67	8,111
15410.208	Comm. Water Closet, Floor Mounted VC, Flush Valve, Bowl only, incl. Seat, w/Floor Outlet 1.28 gpf ADA	85	EA	753.67	64,062
15410.210	Rough-In, Supply, Waste and Vent for Comm. Floor Mounted WC	85	EA	562.00	47,770
15410.404	Urinal, Wall Hung VC w/ Hanger and Valve, Water Saving 0.5 gpf	22	EA	843.38	18,554
15410.406	Rough-In, Supply, Waste and Vent for Wall Hung Urinal	22	EA	705.00	15,510
15410.501	Boot Washing Station, Floor Mount w/ Trim	1	EA	758.20	758
15410.502	Rough-In, Supply, Waste and Vent for Boot Washing Station	1	EA	1,972.56	1,973

CONSTRUCTION

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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15410.640	Rough-In, Supply, Waste and Vent for Res. Vanity Top Lavatories	88	EA	547.00	48,136
15410.652	Res. Lavatory w/Trim, Wall Hung, VC, 18"x15" w/Backsplash	88	EA	347.59	30,588
15410.694	Sink w/Faucet and Drain, SS Self Rimming, 25"x22" Single Bowl	8	EA	805.71	6,446
15410.698	Sink w/Faucet and Drain, SS Self Rimming, 43"x22" Double Bowl	4	EA	1,286.48	5,146
15410.702	Rough-In, Supply, Waste and Vent for Sinks	12	EA	702.00	8,424
15410.830	Laboratory Sink, Corrosion Resistant, 32"x14"x10" Sink	148	EA	614.00	90,872
15410.832	Rough-In, Supply, Waste and Vent for Laboratory Sinks	148	EA	461.00	68,228
15410.834	Laboratory Faucet, Gooseneck Spout, Wrist Handles	148	EA	235.80	34,898
15410.840	Mop Sink Basin, Floor (Corner), PE, 28"x28" w/Rim Guard	5	EA	1,233.66	6,168
15410.844	Rough-In, Supply, Waste and Vent for Floor Mop Sink Basin	5	EA	1,827.00	9,135
15410.846	Utility Sink, Wall, PE, 22"x18"	9	EA	804.00	7,236
15410.852	Rough-In, Supply, Waste and Vent for Wall Utility Sink	9	EA	1,827.71	16,449
15411.101	Hose Bibb, Exterior Freeze-Proof, Lockable	18	EA	105.40	1,897
15411.110	Dog Bathtub, 66"x36"x20" Deep	5	EA	1,973.36	9,867
15411.122	Rough-In, Supply, Waste and Vent for Dog Bathtub	5	EA	879.18	4,396
15411.314	Stall Shower, One-Piece Fiberglass w/Three Walls, Drain Only, 32" Square	18	EA	645.94	11,627
15411.326	Thermostatic Valve for Shower	18	EA	585.00	10,530
15411.328	Rough-In, Supply, Waste and Vent for Shower	18	EA	818.00	14,724
15411.901	Emergency Shower, Single Head, Drench, Ball Valve, Pull Style, Freestanding, No Rough-In	15	EA	573.80	8,607
15411.908	Emergency Eyewash Fountain, SS Bowl, Pedestal Mount, No Rough-In	15	EA	533.80	8,007
15412.222	Electric Water Cooler, Wall Mounted, Full Recessed, SS, Bi-Level	26	EA	1,871.46	48,658
15412.236	Rough-In, Supply, Waste and Vent for Electric Water Cooler	26	EA	504.00	13,104
15412.434	Floor Drain, Heavy Duty, Galvanized w/ Sediment Bucket, 12" OD Grate, 4" Pipe Size	33	EA	1,131.14	37,328
15412.614	Grease Interceptor, Under Counter, Steel, 50 GPM, 100 LB Fat Capacity (Included in Kitchen Allowance)	2	EA		
15412.728	Roof Drain, Integral Expansion Joint, Galvanized, 12" Dome, 4" Pipe Size, Primary / Emergency	86	EA	1,074.20	92,381
15412.806	Trench Drain, Polyester Polymer Concrete, 12" Internal Width w/ Heavy Duty Galvanized Grate, 4" Pipe Size	1	EA	1,595.00	1,595
15413.106	Cleanout, Floor Type, Heavy Duty, Round, 4" Pipe Size	25	EA	384.00	9,600
15413.110	Cleanout, Floor Type, Heavy Duty, Round, 6" Pipe Size	20	EA	508.20	10,164
15414.104	Water Meter, UL/FM Approved, 4" Main x 2" By-Pass, 700 GPM	1	EA	7,551.40	7,551
15414.126	Water Meter, Bronze, Comm./Dom., Flanged, 4" OD, 320 GPM	1	EA	5,394.02	5,394
15420.104	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OD, 1/2" OD	6,400	LF	8.81	56,415

Job #: 15027
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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15420.106	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 3/4" OD	3,350	LF	10.64	35,632
15420.108	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 1" OD	1,450	LF	14.02	20,322
15420.112	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 1-1/2" OD	75	LF	22.82	1,711
15420.114	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 2" OD	4,475	LF	31.93	142,871
15421.000	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 3" OD	950	LF	35.66	33,874
15421.001	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 4" OD	1,400	LF	45.02	63,034
15421.002	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 6" OD	200	LF	89.63	17,927
15421.102	Fiberglass 1" Insulation With All Service Jacket 1/2" Pipe	6,400	LF	3.91	24,992
15421.104	Fiberglass 1" Insulation With All Service Jacket 3/4" Pipe	3,350	LF	3.96	13,274
15421.106	Fiberglass 1" Insulation With All Service Jacket 1" Pipe	1,450	LF	4.16	6,033
15421.110	Fiberglass 1" Insulation With All Service Jacket 1-1/2" Pipe	75	LF	4.64	348
15421.204	Fiberglass 1-1/2" Insulation With All Service Jacket 2" Pipe	4,475	LF	5.87	26,273
15421.208	Fiberglass 1-1/2" Insulation With All Service Jacket 3" Pipe	950	LF	6.79	6,451
15421.212	Fiberglass 1-1/2" Insulation With All Service Jacket 4" Pipe	1,400	LF	7.78	10,897
15421.214	Fiberglass 1-1/2" Insulation With All Service Jacket 6" Pipe	200	LF	9.97	1,993
15421.500	Valves and Accessories	1	LS	10,000.00	10,000
15421.500	Valves and Accessories	1	LS	30,000.00	30,000
15421.500	Valves and Accessories	1	LS	110,000.00	110,000
15440.032	UG Hub & Spigot, CI, No Hangers, 2" Pipe	1,175	LF	19.56	22,985
15440.036	UG Hub & Spigot, CI, No Hangers, 4" Pipe	3,325	LF	29.03	96,537
15440.040	UG Hub & Spigot, CI, No Hangers, 6" Pipe	2,100	LF	52.21	109,649
15440.054	Cast Iron SW&V, Hangers 5' OC, 2" Pipe	3,700	LF	22.45	83,065
15440.058	Cast Iron SW&V, Hangers 5' OC, 4" Pipe	2,450	LF	31.69	77,643
15440.130	Cast Iron, SW&V, Hangers 5' OC, 6" Pipe	10	LF	48.90	489
15440.382	Corrosion Resistant Pipe, Sch. 40 Polypropylene, No Coupling/Hangers, 2" OD - GW	950	LF	24.95	23,703
15440.386	Corrosion Resistant Pipe, Sch. 40 Polypropylene, No Coupling/Hangers, 4" OD - GW	1,400	LF	45.25	63,347
15440.500	Acid Neutralization Tank	1	EA	17,500.00	17,500
15450.200	UG PVC, Schedule 40, 6" Pipe Size	325	LF	23.56	7,656
15450.202	UG PVC, Schedule 40, 8"	300	LF	33.25	9,976
15450.208	AG No-Hub, CI, No Hangers, 4" Pipe	1,275	LF	27.30	34,804
15450.210	AG No-Hub, CI, No Hangers, 6" Pipe	950	LF	35.33	33,565
15450.212	AG No-Hub, CI, No Hangers, 8" Pipe	75	LF	64.74	4,856
15460.200	Valves and Accessories	1	LS	5,000.00	5,000
15460.200	Valves and Accessories	1	LS	10,000.00	10,000
15460.200	Valves and Accessories	1	LS	40,000.00	40,000
15460.201	Lab Gas Outlet, Recessed Wall Outlet, Single	180	EA	71.50	12,870
15460.202	Black Steel, Schedule 40, Threaded W/Couplings And Hangers, 10ft OC, 1/2" OD	50	LF	9.72	486
15460.204	Black Steel, Schedule 40, Threaded W/Couplings And Hangers, 10ft OC, 3/4" OD	1,850	LF	10.38	19,194

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15460.206	Black Steel, Schedule 40, Threaded W/Couplings And Hangers, 10ft OC, 1" OD	400	LF	12.95	5,178
15460.210	Black Steel, Schedule 40, Threaded W/Couplings And Hangers, 10ft OC, 1-1/2" OD	1,350	LF	16.90	22,815
15460.212	Black Steel, Schedule 40, Threaded W/Couplings And Hangers, 10ft OC, 2" OD	550	LF	21.70	11,935
15460.312	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 3" OD	500	LF	35.66	17,829
15460.316	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 4" OD	250	LF	45.02	11,256
15460.318	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 6" OD	1,300	LF	89.63	116,525
15460.320	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 8" OD	225	LF	126.51	28,465
15460.322	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 10" OD	25	LF	159.17	3,979
15470.090	Air Compressor, Reciprocating, Air-Cooled, Tank Mounted, Two Stage, 3 Phase, 105 CFM @ 125 PSI, 25 HP, 250 Gal. Tank	2	EA	14,100.00	28,200
15470.100	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 3/4" OD - CA	1,200	LF	10.64	12,764
15470.102	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 1" OD	600	LF	14.02	8,409
15470.212	Compressed Air Outlet, Recessed Wall, Single	80	EA	123.75	9,900
15495.000	Kitchen Rough-In	2	LS	15,000.00	30,000
15495.004	Commissioning Support	1	LS	16,000.00	16,000
15495.004	Commissioning Support	1	LS	45,000.00	45,000
15495.006	Coordination & Management	1	LS	21,000.00	21,000
15495.006	Coordination & Management	1	LS	55,000.00	55,000
15495.008	Coring & Patching & Firestopping	1	LS	15,000.00	15,000
15495.008	Coring & Patching & Firestopping	1	LS	25,000.00	25,000
15495.010	Flushing & Sanitizing	1	LS	5,000.00	5,000
15495.010	Flushing & Sanitizing	1	LS	15,000.00	15,000
15495.018	Fees & Permits	1	LS	15,000.00	15,000
15495.018	Fees & Permits	1	LS	25,000.00	25,000
15495.040	Item 17 - Reduced plumbing fixtures	1	LS	-36,767.00	-36,767
**** Total D20 - PLUMBING**					**2,636,578**
*** Total D20 - PLUMBING**					**2,636,578**
D30 - HVAC					
D30 - HVAC					
15620.000	Custom, 20" High, Insulated Roof Curb	27	EA	1,200.00	32,400
15620.102	HVU-1	1	EA	8,650.00	8,650
15620.323	MAU-1/2	2	EA	18,086.92	36,174
15620.323	MAU-3	1	EA	18,086.92	18,087
15620.421	RTU 1-7, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 35 Ton Dx Cooling, 530 MBH Heating, Heat Wheel, 12500 CFM	7	EA	2,907.71	20,354
15620.422	RTU 8, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 15 Ton Dx Cooling, 200 MBH Heating, Heat Wheel, 3500 CFM	1	EA	2,907.71	2,908
15620.423	RTU 9, 10, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 50 Ton Dx Cooling, 740 MBH Heating, Heat Wheel, 15000 CFM	2	EA	2,907.71	5,815
15620.424	RTU 11, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 26.5 Ton Dx Cooling, 500 MBH Heating, Heat Wheel, 8400 CFM	1	EA	2,907.71	2,908
15620.425	RTU 12, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 35 Ton Dx Cooling, 480 MBH Heating, Heat Wheel, 10000 CFM	1	EA	2,907.71	2,908

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15620.426	RTU 13, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 10 Ton Dx Cooling, 180 MBH Heating, Heat Wheel, 4000 CFM	1	EA	2,907.71	2,908
15620.427	RTU 14, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 13 Ton Dx Cooling, 200 MBH Heating, Heat Wheel, 4500 CFM	1	EA	2,907.71	2,908
15620.428	RTU 15, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 6 Ton Dx Cooling, 90 MBH Heating, Heat Wheel, 2000 CFM	1	EA	2,907.71	2,908
15620.429	RTU 16, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 26 Ton Dx Cooling, 360 MBH Heating, Heat Wheel,7400 CFM	1	EA	2,907.71	2,908
15620.430	RTU 17, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 300 MBH Heating, Heat Wheel, 6000 CFM	1	EA	2,907.71	2,908
15620.431	RTU 18, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 150 MBH Heating, Heat Wheel, 3000 CFM	1	EA	2,907.71	2,908
15620.432	RTU 19, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 200 MBH Heating, Heat Wheel, 3500 CFM	1	EA	2,907.71	2,908
15620.433	RTU 20, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 400 MBH Heating, Heat Wheel, 8000 CFM	1	EA	2,907.71	2,908
15620.434	RTU 21, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 300 MBH Heating, Heat Wheel, 6000 CFM	1	EA	2,907.71	2,908
15620.435	RTU 22, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 300 MBH Heating, Heat Wheel, 6200 CFM	1	EA	2,907.71	2,908
15620.436	RTU 23, Stnd Controls, Curb, Econ., Multi-Zone, Gas Heat, 380 MBH Heating, Heat Wheel, 9000 CFM	1	EA	2,907.71	2,908
15620.500	Daikin Rebel / Maverick II RTU's - VFD's, Extended Warranties	1	LS	433,000.00	433,000
15620.500	Daikin Rebel / Maverick II RTU's - VFD's, Extended Warranties	1	LS	924,500.00	924,500
15620.500	RTU 23, Daikin Rebel / Maverick II RTU - VFD's, Extended Warrantie	1	LS	60,000.00	60,000
15624.001	Split System, Ductless, Cooling Only, Single Zone, 3/4 Ton	2	EA	2,244.00	4,488
15624.002	Split System, Ductless, Cooling Only, Single Zone, 1-1/4 Ton	12	EA	2,990.00	35,880
15624.003	Split System, Ductless, Cooling Only, Single Zone, 1-1/2 Ton	2	EA	3,530.00	7,060
15624.004	Split System, Ductless, Cooling Only, Single Zone, 2 Ton	1	EA	4,034.00	4,034
15624.006	Split System, Ductless, Cooling Only, Single Zone, 3 Ton	2	EA	4,638.00	9,276
15630.220	Single Bathroom Exhaust Fan, 100 CFM	20	EA	403.45	8,069
15630.226	Bathroom (Gang) Exhaust Fan, 1000 CFM	10	EA	1,680.56	16,806
15630.228	Exhaust Fan, 1500 CFM	3	EA	2,180.56	6,542
15630.416	Kitchen Exhaust Fan, Centrifugal, 4000 CFM, Culinary Kitchen	1	EA	4,215.33	4,215
15630.416	Kitchen Exhaust Fan, Centrifugal, 4000 CFM, Kitchen	1	EA	4,215.33	4,215
15640.112	Hot Water Condensing Boiler, Packaged w/Controls/Circulator/Trim, NG, 330 MBH Output	2	EA	10,214.00	20,428

CONSTRUCTION

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15640.114	Hot Water Condensing Boiler, Packaged w/Controls/Circulator/Trim, NG, 2500 MBH Output	4	EA	47,916.00	191,664
15650.002	Glycol Treatment System	1	LS	8,000.00	8,000
15651.005	Chiller, Air Cooled, High Efficiency, 35 Ton	1	EA	42,927.00	42,927
15660.000	8ft Fume Hood, Fan, Ductwork	2	EA	5,500.00	11,000
15660.001	4ft Fume Hood, Fan, Ductwork	12	EA	4,250.00	51,000
15660.002	Vehicle Exhaust System, 2000 CFM	1	LS	15,000.00	15,000
15660.004	Vehicle Exhaust System, 5000 CFM	1	LS	25,000.00	25,000
15660.006	Paint Booth Exhaust System, 12000 CFM	1	LS	25,000.00	25,000
15660.008	Dust Collection System, 4000 CFM	1	LS	65,000.00	65,000
15660.010	Duct Collection System, 6000 CFM	1	LS	87,000.00	87,000
15660.202	Chilled Water Pump, Centrifugal, Base Mounted, End Suction, 75 gpm w/ VFD	2	EA	4,096.31	8,193
15660.206	Hot Water Pump, Centrifugal, Base Mounted, End Suction, 100 gpm w / VFD	2	EA	3,994.33	7,989
15660.206	Hot Water Pump, Centrifugal, Base Mounted, End Suction, 680 gpm w/ VFD	2	EA	17,994.33	35,989
15680.040	Displacement Ventilation System	95	EA	1,250.00	118,750
15680.042	Sound Attenuator Device / Double Wall Ductwork (per RTU)	23	EA	2,500.00	57,500
15680.112	Galvanized Ductwork, > 5000 LB	288,041	LB	7.50	2,160,279
15684.102	Duct Insulation, Blanket Type, Fiberglass, FSK, 1.0Lb Density, 1-1/2" Thick	248,036	SF	2.53	628,275
15688.014	Gas Vent, Double Wall, Galvanized Steel, UL Listed, 12" Dia. (100 LF per Boiler)	600	LF	48.66	29,198
15690.102	Fin Tube Radiation, Wall Hung, 14" Slope Top, 1-1/4" Cu Tube, 4-1/4" Aluminum Fin	850	LF	64.10	54,485
15690.106	4ft. Radiant Heating Panels, Ceiling	830	EA	153.00	126,990
15691.004	Cabinet Unit Heater, Horizontal, Ceiling, 60 MBH	22	EA	1,617.26	35,580
15691.006	Cabinet Unit Heater, Vertical, Floor, 60 MBH	5	EA	1,617.26	8,086
15691.110	Unit Heater, Heavy Duty, 480V, 15KW, Animal Barn	2	EA	1,418.92	2,838
15691.312	Unit Heater, Hot Water, Horizontal, 47 MBH	19	EA	717.26	13,628
15692.210	Variable Air Volume Box, PI, w/ Damper, Actuator, T-Stat	205	EA	890.00	182,450
15699.000	Chilled Beams, Ceiling	480	LF	100.00	48,000
15700.106	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 3/4" OD	15,350	LF	10.93	167,699
15700.108	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 1" OD	6,500	LF	14.34	93,210
15700.112	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 1-1/2" OD	1,450	LF	22.82	33,089
15700.114	Copper Type L, Solder Joint W/Couplings And Hangers 10ft OC, 2" OD	2,150	LF	32.45	69,768
15700.312	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 3" OD	1,500	LF	35.66	53,486
15700.316	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 4" OD	4,400	LF	45.02	198,108
15700.318	Black Steel, Schedule 40, Welded W/Couplings And Hangers, 10ft OC, 6" OD	900	LF	89.63	80,671
15704.104	Fiberglass 1" Insulation With All Service Jacket 3/4" Pipe	15,350	LF	4.12	63,242
15704.106	Fiberglass 1" Insulation With All Service Jacket 1" Pipe	6,500	LF	4.33	28,113
15704.202	Fiberglass 1-1/2" Insulation With All Service Jacket 1-1/2" Pipe	1,450	LF	5.67	8,222
15704.204	Fiberglass 1-1/2" Insulation With All Service Jacket 2" Pipe	2,150	LF	6.06	13,029

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

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Group 1: *Uniformat 1
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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15704.308	Fiberglass 2" Insulation With All Service Jacket 3" Pipe	1,500	LF	8.32	12,480
15704.312	Fiberglass 2" Insulation With All Service Jacket 4" Pipe	4,400	LF	9.99	43,934
15704.314	Fiberglass 2" Insulation With All Service Jacket 6" Pipe	900	LF	12.45	11,205
15705.004	Air Separator w/Strainer, 2-1/2" Dia.	1	EA	1,439.16	1,439
15705.008	Air Separator w/ Strainer, 4" Dia.	2	EA	3,098.60	6,197
15706.206	Expansion Tank, Steel, ASME, Rubber Diaphragm, 61 Gal. Accep. Vol.	1	EA	3,786.82	3,787
15706.214	Expansion Tank, Steel, ASME, Rubber Diaphragm, 211 Gal. Accep. Vol.	2	EA	6,573.73	13,147
15708.102	ARC Tubing, Type L Copper, Hard Tempered, No Couplings/Hangers, 3/8"	475	LF	5.47	2,598
15708.104	ARC Tubing, Type L Copper, Hard Tempered, No Couplings/Hangers, 1/2"	75	LF	6.02	452
15708.106	ARC Tubing, Type L Copper, Hard Tempered, No Couplings/Hangers, 5/8"	525	LF	7.26	3,812
15708.110	ARC Tubing, Type L Copper, Hard Tempered, No Couplings/Hangers, 7/8"	100	LF	8.45	845
15708.112	ARC Tubing, Type L Copper, Hard Tempered, No Couplings/Hangers, 1-1/8"	100	LF	11.05	1,105
15708.500	Valves & Accessories	1	LS	10,000.00	10,000
15708.500	Valves & Accessories	1	LS	40,000.00	40,000
15708.500	Valves & Accessories	1	LS	150,000.00	150,000
15780.000	DDC Controls	328,607	SF	5.50	1,807,339
15780.010	CO2 Sensor	188	EA	85.00	15,980
15792.001	Air & Water Balance	328,607	SF	0.50	164,304
15801.501	Coordination & Management	1	LS	50,000.00	50,000
15801.501	Coordination & Management	1	LS	150,000.00	150,000
15801.502	Commissioning Support	1	LS	16,250.00	16,250
15801.502	Commissioning Support	1	LS	48,750.00	48,750
15801.503	Coring, Patching & Firestopping	1	LS	10,000.00	10,000
15801.503	Coring, Patching & Firestopping	1	LS	30,000.00	30,000
15801.504	Seismic Restraint	1	LS	6,250.00	6,250
15801.504	Seismic Restraint	1	LS	18,750.00	18,750
15801.505	Fees & Permits	1	LS	75,000.00	75,000
15802.000	CFM Reduction	1	LS	-211,695.00	-211,695
**** Total D30 - HVAC**					**9,031,084**
*** Total D30 - HVAC**					**9,031,084**
D40 - FIRE PROTECTION					
D40 - FIRE PROTECTION					
15502.002	Fire Service Main - 6" Ductile Iron, Mech. Joint	75	LF	29.06	2,179
15502.002	Fire Service Main - 8" Ductile Iron Mech. Joint	75	LF	38.78	2,909
15502.024	6" Double Check Backflow Preventer W/OS&Y Valves, 4 Test Cocks	1	EA	5,847.73	5,848
15502.026	8" Double Check Backflow Preventer W/OS&Y Valves, 4 Test Cocks	1	EA	11,428.00	11,428
15502.110	FDC - Two Way Siamese - 3x3x6	2	EA	1,541.40	3,083
15502.116	4" Zone Flow Control Valve W/Trim And Gauges	12	EA	6,009.14	72,110
15502.128	Tamper Switch	12	EA	153.65	1,844
15502.202	Sprinkler Main Sch 40 BS - 4", Grooved Joint, W/Hangers 10 Ft O.C.	9,025	LF	39.75	358,740
15502.222	Sprinkler Branch Sch 40 BS - 1" Threaded W/ Hangers 10 Ft O.C.	18,640	LF	12.53	233,555
15502.226	Sprinkler Branch Sch 40 BS - 1-1/2" Threaded W/ Hangers 10 Ft O.C.	9,300	LF	16.39	152,427

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
15502.400	Sprinkler Heads - Standard Pendant, 1/2" NPT, 1/2" Orifice	2,795	EA	36.43	101,808
15505.006	4" Dry Pipe Valve With Trim And Gauges	1	EA	3,549.00	3,549
15505.012	30 Gal., 1 HP Comp Air Sys For Fire Protection	1	EA	1,110.77	1,111
15505.202	Sprinkler Main Sch 40 BS - 4", Grooved Joint, W/Hangers 10 Ft O.C.	220	LF	40.66	8,945
15505.222	Sprinkler Branch Sch 40 BS - 1" Threaded W/ Hangers 10 Ft O.C.	655	LF	12.95	8,479
15505.400	Sprinkler Heads - Standard Upright, 1/2" NPT, 1/2" Orifice	65	EA	37.85	2,460
15525.004	Sprinkler Main Sch 40 BS - 4", Grooved Joint, W/Hangers 10 Ft O.C.	300	LF	39.75	11,925
15525.102	Fd Standpipe Angle Valve, 2-1/2", Brass, W/Wheel, Handle Chain And Cap	8	EA	287.34	2,299
15535.002	Coordination & Management	1	LS	20,000.00	20,000
15535.010	Hydraulic Calculations	1	LS	12,000.00	12,000
15535.016	Coring & Patching & Firestopping	1	LS	17,500.00	17,500
15535.024	Fees & Permits	1	LS	12,000.00	12,000
**** Total D40 - FIRE PROTECTION**					**1,046,197**
*** Total D40 - FIRE PROTECTION**					**1,046,197**
D50 - ELECTRICAL					
D50 - ELECTRICAL					
16020.210	350 kW NG Emergency Generator w/Sound Attenuated Enclosure	1	EA	216,271.07	216,271
16020.212	Emergency Power Equipment and Distribution	328,607	SF	1.50	492,911
16020.214	Emergency Generator - Testing	1	LS	1,000.00	1,000
16020.214	Emergency Generator - Testing	1	LS	4,000.00	4,000
16030.000	Switchgear / Panelboard - Equipment Only	1	LS	50,000.00	50,000
16030.000	Switchgear / Panelboard - Equipment Only	1	LS	580,000.00	580,000
16030.004	Transformer / Primary / Conduit ** ALLOWANCE **	1	LS	50,000.00	50,000
16030.100	Panel - Small	40	EA	464.44	18,578
16030.104	Panel - Medium	21	EA	628.57	13,200
16030.106	Panel - Large	21	EA	1,045.00	21,945
16030.108	Transformer Dry Type, Three Phase, 45kVA, T-5	7	EA	1,100.00	7,700
16030.110	Transformer Dry Type, Three Phase, 75kVA, T-6	14	EA	1,194.29	16,720
16030.112	Transformer Dry Type, Three Phase, 225kVA, T-9	1	EA	1,880.00	1,880
16030.222	ATS-LS - 150A, 3P	1	EA	3,591.67	3,592
16030.230	ATS-OS - 600A, 3P	1	EA	9,480.00	9,480
16040.006	Panel Feeders	82	EA	2,500.00	205,000
16040.008	Primary Conduit Only - 5", From Exst. HS	720	LF	6.75	4,860
16040.008	Primary Conduit Only - 5", New Feed	3,140	LF	6.75	21,195
16040.008	Secondary Conduit Only - 4"	900	LF	4.40	3,960
16040.011	Secondary Feeder - #500 MCM Conductor only	3,200	LF	20.10	64,320
16040.060	Grounding/Bonding	1	LS	10,000.00	10,000
16040.200	15 KVA UPS	1	EA	15,000.00	15,000
16040.202	30 KVA UPS	1	EA	25,000.00	25,000
16050.102	Device Box	2,031	EA	29.75	60,422
16050.102	Junction Box	1,000	EA	29.75	29,750
16050.102	Power and Branch Circuitry	328,607	SF	3.50	1,150,125
16050.104	Duplex Floor Box	64	EA	67.50	4,320
16050.106	Quad Receptacle	255	EA	40.00	10,200
16050.108	Duplex / Duplex GFI / Weatherproof	1,653	EA	30.20	49,921
16050.132	Device Plate, Plastic, 2-Gang	1,653	EA	9.10	15,045

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
16050.136	Device Plate, Plastic, 4-Gang	255	EA	18.90	4,819
16060.414	RTU, MUA, HVU Feeder	27	EA	2,706.00	73,062
16060.416	Boiler Feeder	6	EA	1,401.75	8,411
16060.418	Pump Feeder	7	EA	1,965.75	13,760
16060.420	Chiller Feeder	1	EA	8,336.00	8,336
16061.000	Overhead Door Control and Power	8	EA	1,500.00	12,000
16061.000	Wire / Install BB Hoop Motor and Control	11	EA	5,000.00	55,000
16061.001	Wire / Install Scoreboard & Jacks	2	EA	3,500.00	7,000
16080.202	EL Fixture - 4ft Linear LED	2	EA	281.25	563
16080.206	LP4 Fixture - 4ft LED Direct Pendant	40	EA	281.25	11,250
16080.207	LPG Fixture - High Bay LED	80	EA	422.50	33,800
16080.208	LP8 Fixture - 8ft LED Direct Pendant	855	EA	555.00	474,525
16080.210	LPD1 Fixture - Round LED Pendant	17	EA	177.50	3,018
16080.211	LPD2 Fixture - Round LED Pendant	17	EA	177.50	3,018
16080.212	LPD3 Fixture - Round LED Pendant	17	EA	177.50	3,018
16080.213	LPD4 Fixture - LED Ring Pendant	10	EA	281.25	2,813
16080.214	LR6 Fixture - 6ft LED Recessed	10	EA	305.00	3,050
16080.215	LR8 Fixture - 8ft LED Recessed	7	EA	368.75	2,581
16080.216	LR14 Fixture - 1ftx4ft LED Recessed	301	EA	255.00	76,755
16080.217	LR22 Fixture - 2ftx2ft LED Recessed	58	EA	255.00	14,790
16080.218	LR24 Fixture - 2ftx4ft LED Recessed	4	EA	298.75	1,195
16080.219	LRD2 Fixture - 2ft Round LED Recessed	6	EA	291.25	1,748
16080.220	LRD3 Fixture - 3ft Round LED Recessed	6	EA	344.00	2,064
16080.221	LRD4 Fixture - 4ft Round LED Recessed	11	EA	396.75	4,364
16080.222	LRD5 Fixture - 5ft Round LED Fixture	8	EA	449.50	3,596
16080.223	LRK Fixture - 2ftx4ft LED Recessed (Outdoor)	56	EA	318.75	17,850
16080.224	LS4 Fixture - 4ft LED Linear	15	EA	241.25	3,619
16080.225	LS8 Fixture - 8ft LED Linear	165	EA	305.00	50,325
16080.226	LSV4 Fixture - 4ft LED Linear Vandal Proof	2	EA	291.25	583
16080.227	LSV8 Fixture - 8ft LED Linear Vandal Proof	63	EA	355.00	22,365
16080.229	LW8 Fixture - 8ft LED Wall Mount	15	EA	305.00	4,575
16080.230	LWS Fixture - Continuous LED Slot	47	EA	295.00	13,865
16080.231	PC1 Fixture - Round LED Pendant	36	EA	151.25	5,445
16080.232	PC2 Fixture - Round LED Pendant	33	EA	151.25	4,991
16080.233	RC1 Fixture - 6in LED Round Downlight	186	EA	141.25	26,273
16080.234	RC1W Fixture - 6in LED Round Wall Wash	27	EA	141.25	3,814
16080.235	RC2 Fixture - 4in LED Round Downlight	14	EA	125.75	1,761
16080.236	RC3 Fixture - 6" LED Square Downlight	46	EA	141.25	6,498
16080.237	RC4 Fixture - 6" LED Round Downlight	3	EA	141.25	424
16080.238	RSH Fixture - 6" Downlight	12	EA	141.25	1,695
16080.240	RS Fixture - Exit Lamps, Double Faced, LED	36	EA	136.06	4,898
16080.241	LRS Fixture - 4in LED Linear Recessed	16	EA	281.25	4,500
16080.242	LVR24 Fixture - 2ftx4ft LED Recessed Vandal Proof	98	EA	378.75	37,118
16080.243	Exterior Pole Fixture - Custom LED	70	EA	2,500.00	175,000
16080.244	Exterior Wall Mount - LED	84	EA	555.00	46,620
16080.245	Exterior Pendant - LED - Riding Ring	30	EA	628.25	18,848
16080.300	Occupancy Sensor	363	EA	110.00	39,930
16080.301	Photo Sensor	170	EA	110.00	18,700
16081.100	Lighting Circuitry	328,607	SF	2.00	657,214
16081.102	Lighting Controls	328,607	SF	1.25	410,759
16081.104	Lighting Controls & Panels - Testing	1	LS	1,500.00	1,500
16081.104	Lighting Controls & Panels - Testing	1	LS	25,000.00	25,000
16081.150	Stage Lights / Sound System / Dimmer Rack ** ALLOWANCE **	1	LS	375,000.00	375,000
16100.000	Sound System - Cafeteria	1	LS	20,000.00	20,000
16100.001	Sound System - Gymnasium	1	LS	20,000.00	20,000
16100.002	Sound System - Music Room	1	LS	10,000.00	10,000
16100.003	Bi-Directional Antennae	1	LS	50,000.00	50,000
16100.004	Area of Refuge Assistance System	328,607	SF	0.15	49,291

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
16100.101	EMT 3/4", Tel/Data Drops	13,580	LF	4.46	60,561
16100.102	Device Box - Tel/Data Drops	1,426	EA	29.75	42,424
16110.000	Tel/Data Infrastructure ** ALLOWANCE **	1	LS	40,000.00	40,000
16110.024	Voice/Data Outlet, Single Port, SS Wall Plate	1,507	EA	32.21	48,547
16110.044	CAT VI Cable - Tel/Data	1,507	CLF	86.86	130,894
16110.050	Cable Tray, Server Room / IDF Closets	95	LF	30.48	2,896
16110.052	J-Hooks, 4" (Every 4 ft) - Tel/Data	2,432	EA	42.57	103,537
16170.100	Card Reader System - Head End Equipment	1	EA	9,000.00	9,000
16170.101	Card Readers - Swipes/Wires	56	EA	1,700.00	95,200
16180.000	Master Clock	328,607	SF	0.35	115,012
16180.001	Intercom	328,607	SF	1.00	328,607
16180.100	Communications - Testing	1	LS	20,000.00	20,000
16200.000	Security System - Head End Equipment	1	LS	35,000.00	35,000
16200.001	Security System Reduction	1	LS	-134,500.00	-134,500
16200.002	Fixed Interior CCTV Cameras	111	EA	3,000.00	333,000
16200.004	Pan-Tilt-Zoom Exterior CCTV Cameras	34	EA	5,000.00	170,000
16300.104	Fire Alarm Testing	1	LS	750.00	750
16300.104	Fire Alarm Testing	1	LS	7,500.00	7,500
16300.105	Fire Alarm Control Panel (Addressable)	1	EA	10,500.00	10,500
16300.107	Fire Alarm Terminal Cabinet	10	EA	1,200.00	12,000
16300.120	Remote Annuciator	2	EA	567.00	1,134
16300.132	Manual Pull Stations	44	EA	108.50	4,774
16300.134	Smoke/Heat Detectors	176	EA	178.00	31,328
16300.138	CO Detectors / Monitors	15	EA	212.50	3,188
16300.174	FA Speakers	314	EA	130.25	40,899
16300.178	Strobes	26	EA	165.50	4,303
16300.180	Horn/Strobes	14	EA	231.50	3,241
16300.244	Knox Box	1	EA	405.00	405
16300.248	Magnetic Door Holder	56	EA	255.00	14,280
16300.300	Audible / Visual / Detection Loop MC Cable	288	CLF	425.00	122,400
16300.304	FATC Feeder Wiring	7,880	LF	0.96	7,557
16300.400	EMT 3/4" - Audible / Visual / Detection Loop Conduit	9,300	LF	4.46	41,474
16300.402	EMT 1" - FATC Feeder Conduit	1,970	LF	5.19	10,224
16300.500	FA for Animal Science Facility	1	LS	14,700.00	14,700
16400.002	Lightning Protection	1	LS	30,000.00	30,000
16400.100	Commissioning	1	LS	60,000.00	60,000
16400.102	Firestopping	1	LS	20,000.00	20,000
16400.104	Identification	1	LS	7,500.00	7,500
16400.106	Seismic Restraint	1	LS	12,500.00	12,500
16400.108	Fees & Permits	1	LS	50,000.00	50,000
**** Total D50 - ELECTRICAL**					**8,020,218**
*** Total D50 - ELECTRICAL**					**8,020,218**

E10 - EQUIPMENT

E10 - EQUIPMENT, GENERALLY

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
11160.005	50,000 lbs Capacity; 6'x6' Hydraulic Dock Leveler	1	EA	9,179.73	9,180
11160.034	12" Dock Seal - OH Doors	2	EA	1,585.04	3,170
11160.043	Rubber Dock Bumper 4 1/2"x14"x12"	4	EA	166.38	666
11400.000	Gym Wall Padding - 7' 4" Ht	478	LF	100.00	47,800
11400.040	Kitchen Equipment	1	LS	507,900.00	507,900
11480.006	OUTDOOR SCOREBOARDS - NOT INCLUDED				
11480.010	Scoreboard/ Shot Clock	1	EA	8,500.00	8,500
11480.020	Basketball Hoop	8	EA	5,400.00	43,200
11480.030	Volley Ball Net w/ Floor Inserts	1	EA	1,900.00	1,900
11480.062	Plastic Telescoping Stands - Hussey Maxam 26 Motorized Bleachers	600	EA	110.00	66,000
11482.065	Gym Divider Curtain	170	LF	160.00	27,200

Job #: 15027
Project Size: 308023 SF
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Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
11482.080	Install Owner Provided Ropes Course	1	LS	8,831.35	8,831
11650.000	Stage Set Fastening Equipment - In Line set Allowance				
11654.000	Line Sets & Shell Allowance - Auditorium	1	LS	175,000.00	175,000
11656.000	Indoor Kiln	1	EA	6,000.00	6,000
11660.000	Residential Appliances - FFE Budget				
**** Total E10 - EQUIPMENT, GENERALLY**					**905,347**
*** Total E10 - EQUIPMENT**					**905,347**
E20 - FURNISHINGS					
E2010 - FIXED FURNISHINGS					
6400.000	Base Cabinets - Epoxy Resin (Labs- Physical Science (3), Earth Science (2), Chemistry (4), Biology (4))	1,518	LF	161.05	244,470
6400.000	Base Cabinets - Plastic Laminate (Typ. Classrooms)	526	LF	161.05	84,711
6400.050	Full Height Wall Cabinets - Plastic Laminate (Labs- Physical Science (3), Earth Science (2), Chemistry (4), Biology (4))	210	LF	166.90	35,050
6400.050	Full Height Wall Cabinets - Plastic Laminate (Labs-107A&107B))	22	LF	166.90	3,672
6400.050	Full Height Wall Cabinets - Plastic Laminate (Typ. Classrooms & Library Rm020)	309	LF	166.90	51,573
6400.051	Upper Wall Cabinets - Plastic Laminate (Typ. Classrooms)	289	LF	166.90	48,235
6400.080	Custom Wood Desk (CTC Reception Rm147, Beauty Salon Rm107)	85	LF	541.90	46,062
6400.080	Custom Wood Desk (Media Rm109)	39	LF	541.90	21,134
6400.080	Reception Desk (General Office Rm100)	60	LF	241.90	14,514
6400.300	Countertops - Solid Surface (Typ. Classrooms)	770	LF	177.94	137,011
6400.310	Countertops - Epoxy Resin (Labs- Physical Science (3), Earth Science (2), Chemistry (4), Biology (4))	1,518	LF	141.90	215,410
10100.004	Marker Board W/ Alum Trim (Typical to A12.1)	1,300	SF	15.63	20,322
11653.000	Auditorium Seating - Quattro By Hussey Seating	997	EA	250.00	249,250
12500.010	Hunter Douglas Roller Shades (25% of glazing)	7,000	SF	11.00	77,000
12500.011	Hunter Douglas Roller Shades (25% of glazing)	240	SF	11.00	2,640
**** Total E2010 - FIXED FURNISHINGS**					**1,251,055**
*** Total E20 - FURNISHINGS**					**1,251,055**
F10 - SPECIAL CONSTRUCTION					
F10 - SPECIAL CONSTRUCTION					
0182.008	Turf Field GCs	12	MW	8,355.67	100,268
0182.016	2nd Baseball Field & Added Sitework	5	MW	8,355.04	44,900
2760.100	Tennis Court	6	EA	40,000.00	240,000
2760.200	Running EPDM Track Surface	1	LS	500,000.00	500,000
2760.400	Synthetic Turf Field	1	LS	400,000.00	400,000
2762.110	Baseball Field (Includes new drainage system)	2	EA	150,000.00	300,000
2762.115	Soccer Field Operlapping Baseball Field (Includes new drainage system)	1	EA	200,000.00	200,000
2762.400	Long Jump w/ Pit	1	LS	40,000.00	40,000
2762.420	Triple Jump w/ Pit	1	LS	40,000.00	40,000
2762.430	High Jump	1	LS	60,000.00	60,000
2762.440	Soccer Goals/ Football Posts	1	LS	10,000.00	10,000
2762.450	Shot Put Cage System	1	LS	8,000.00	8,000
8802.000	Fish Tank	1	EA	15,000.00	15,000
**** Total F10 - SPECIAL CONSTRUCTION**					**1,958,168**

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
	* Total F10 - SPECIAL CONSTRUCTION				1,958,168
	F20 - SELECTIVE BUILDING DEMOLITION				
	F2010 - BUILDING ELEMENTS DEMOLITION				
2013.000	Remove Shot Put Cage	1	EA	1,132.44	1,132
2022.100	Mass Demolition - High School	270,000	SF	6.00	1,620,000
2022.100	Mass Demolition - Shed/Barn	2,960	SF	6.00	17,760
2032.310	Demo Entrance Canopy	4,600	SF	0.68	3,129
	**** Total F2010 - BUILDING ELEMENTS DEMOLITION**				**1,642,022**
	*** Total F20 - SELECTIVE BUILDING DEMOLITION**				**1,642,022**
	G10 - SITE PREPARATION				
	G1020 - SITE DEMOLITION				
2012.010	Remove Pipe <=10" in Excavation	3,737	LF	4.35	16,243
2012.015	Remove Electrical Conduit <=10" in Excavation	3,815	LF	4.35	16,582
2012.610	Remove Catch Basin	13	EA	434.67	5,651
2013.000	Remove Chain Link Fence	4,319	LF	3.14	13,568
2013.040	Remove Signage	10	EA	83.77	838
2013.220	Sawcut Bituminous Concrete Pavement	275	LF	2.00	550
2013.240	Demo Bit Conc Pvmt - Large Area	144,810	SF	0.16	23,821
2013.242	Demo Bit Conc Pvmt - Walks	20,710	SF	0.13	2,725
2013.250	Demo Bituminous Concrete Pavement - Prep for Westerly Parking Lot	41,300	SF	0.33	13,592
2013.250	Demo Bituminous Concrete Pavement - Track Access Road	45,800	SF	0.33	15,073
2013.280	Demo Conc Walk	4,446	SF	0.63	2,793
2013.300	Demo Concrete Curb	35,147	LF	2.09	73,608
2013.320	Demo Concrete Pads	13	CY	30.41	395
2013.400	Demo Tennis Courts	15,423	SF	0.39	6,004
2014.210	Remove Light Pole	9	EA	125.65	1,131
	**** Total G1020 - SITE DEMOLITION**				**192,575**
	G1030 - EARTHWORK				
2110.290	Misc Erosion Control	1	LS	60,000.00	60,000
2110.306	Site Access/Laydown	1	LS	35,000.00	35,000
2200.130	Site Excavation	20,000	CY	9.70	194,040
2200.160	Site Fill From On-Site (Demolished Wing) - FFE to be lowered to further balance site	14,000	CY	3.17	44,367
2300.155	Dewatering	1	LS	40,000.00	40,000
	**** Total G1030 - EARTHWORK**				**373,407**
	*** Total G10 - SITE PREPARATION**				**565,982**
	G20 - SITE IMPROVEMENTS				
	G2010 - SITE PAVING				
2600.055	Proofroll Road Subgrade	23,035	SY	0.19	4,446
2600.060	Fine Grade Road Subgrade	23,035	SY	1.04	24,002
2600.080	Stablization Fabric-Heavy	26,490	SY	1.88	49,902
2600.100	Install Road Sub-Base (L)	10,750	CY	3.96	42,583
2600.104	Sub-Base - Gab (M)	10,750	CY	21.00	225,743
2600.130	Install Road Base (L)	5,375	CY	3.96	21,291
2600.136	Base - Crushed Stone (M)	5,375	CY	20.00	107,497
2600.200	Bituminous Concrete (4") Phase 5	1,283	TON	90.00	115,467
2600.200	Bituminous Concrete (4")	1,318	TON	90.00	118,637
2600.200	Bituminous Concrete Paving (2") - Phase 3, Westerly Portion	836	TON	90.00	75,255
2600.200	Bituminous Concrete Paving (5")	667	TON	90.00	59,998
2600.200	Bituminous Concrete Paving (5") - Phase 5	363	TON	90.00	32,654
2600.260	Mill Existing Pavement-1" (Tennis Courts)	1,662	SY	2.50	4,155

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

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Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
2600.264	Overlay Existing Pavement (2")	392	TON	90.00	35,279
2600.264	Overlay Existing Pavement (2") To be applied over Phase 4 temp paving.	698	TON	90.00	62,793
2600.264	Overlay Existing Pavement (3") -to be applied over phase 4 temp paving	208	TON	90.00	18,690
2600.264	Overlay Existing Pavement (4") (At Tennis Courts)	366	TON	90.00	32,934
2600.264	Overlay Existing Pavement (5") - Alumni Drive	1,510	TON	90.00	135,945
2600.268	Tack Coat @ Overlay	18,131	SY	0.40	7,252
2610.002	Grading For Curbs	7,045	LF	2.68	18,880
2610.062	Concrete Curbs 6" X 18"	7,045	LF	12.00	84,540
2610.130	Install Sidewalk Base (L)	2,868	CY	12.57	36,036
2610.130	Install Sidewalk Base (L) (Track)	386	CY	12.57	4,851
2610.132	Install Sidewalk Base (L)	457	CY	12.57	5,742
2610.134	Base - Granular Aggregate Base (M) (Track)	386	CY	21.00	8,107
2610.138	Base - Crushed Stone (M)	2,219	CY	20.00	44,372
2610.145	Bituminous Sidewalk at Tennis Court	9	TON	90.00	789
2610.150	Reduce Fire Loop from 25' to 20' wide	1	LS	-42,857.00	-42,857
2610.151	****Bituminous Sidewalk Area****		****		
2610.175	4" Concrete Sidewalk	30,043	SF	3.00	90,129
2610.175	4" Concrete Sidewalk (Track)	7,445	SF	3.00	22,335
2610.175	6" Concrete- Vehicular/Structural	3,931	SF	5.00	19,655
2710.320	Permeable Pavers - Courtyard	9,499	SF	16.00	151,984
**** Total G2010 - SITE PAVING**					**1,619,086**
G2050 - LANDSCAPING					
2600.605	Bollard Sign	15	EA	419.38	6,291
2610.130	Install Sidewalk Base (L)	182	CY	12.57	2,291
2610.138	Base - Crushed Stone (M)	182	CY	20.00	3,646
2610.175	4" Concrete Sidewalk - Courtyard	3,516	SF	3.00	10,548
2610.330	Set Bollards (L) - (Material In Div 05)	2	EA	240.76	482
2710.100	Seeding	199,115	SF	0.14	27,876
2710.120	Sodding - Courtyard Only	6,292	SF	0.75	4,719
2710.130	Strom Water Management Plantings - Courtyard Only	6,090	SF	9.00	54,810
2710.204	Deciduous Tree - 4-1/2" Caliper	111	EA	1,100.00	122,100
2710.208	Coniferous Tree - 12' - 14' Ht	6	EA	800.00	4,800
2710.210	Flowering Tree - 12' - 14' Ht	23	EA	800.00	18,400
2710.212	Perennial Plantings (Shrubs Spaced 4' OC)	4,625	EA	30.00	138,750
2720.115	Chain Link Fence - Vinyl Coated 4' H w/ Gates	2,158	LF	28.00	60,424
2720.140	Animal Privacy Fence - Chain Link	76	LF	25.00	1,900
2750.328	Boulders	40	EA	250.00	10,000
2750.340	Granite Seat Walls	425	LF	600.00	255,000
2750.342	Change granite seat walls to CIP concrete (sand blasted)	1	LS	-95,000.00	-95,000
2752.700	Stainless Steel Bike Racks	5	EA	754.76	3,774
2760.000	Pond System - Courtyard	1	LS	30,000.00	30,000
2819.655	Standard Redi-Rock Gravity Retaining Walls (Large Architectural Knob & Groove Pre Manufactured Block) (Small Area 50 - 250SF)	5,900	SF	38.00	224,200
4700.275	Granite Stair Treads	96	LF	75.00	7,200
4700.275	Granite Stair Treads - 12"x1"	72	LF	62.00	4,464
5590.110	Bollards	2	EA	269.52	539
9900.310	Paint Bollards (1 Coat Acrylic Primer, 2 Coats Acrylic Paint)	2	EA	46.00	92
10000.010	Flag Pole	1	EA	2,277.73	2,278
10000.012	Reduce landscaping	1	LS	-98,280.00	-98,280
**** Total G2050 - LANDSCAPING**					**801,303**
*** Total G20 - SITE IMPROVEMENTS**					**2,420,389**

G30 - SITE UTILITIES

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
G3010 - SITE UTILITIES					
2220.310	Structure Fill from Borrow (L)	351	CY	3.17	1,112
2220.320	Bio-Retention Area	24	CY	35.00	840
2220.335	3/4" Crushed Stone Material (M)	112	CY	22.00	2,464
2220.348	Soil Filter - Sand, Sandy Loam, Comost (M)	143	CY	40.00	5,720
2220.412	Pea Gravel (M)	48	CY	22.00	1,056
2220.420	Bark Mulch (M)	24	CY	35.00	840
2500.110	4" PVC Underdrain Trenching (L)	5,429	LF	8.04	43,649
2500.115	4" PVC Underdrain (M)	5,429	LF	2.00	10,858
2500.120	6" PVC Underdrain Trenching (L) - Bioretention	2,287	LF	8.04	18,387
2500.125	6" PVC Underdrain (M) - Bioretention	2,287	LF	3.00	6,861
2500.170	Filter Fabric	27,150	SY	1.00	27,150
2500.180	Stone at Underdrain (M)	250	CY	20.00	5,000
2500.760	12" HDPE Trenching (L)	2,850	LF	26.08	74,328
2500.765	12" HDPE (M)	2,850	LF	7.00	19,950
2510.100	ACO Sport - System 4000 Open Channel French Drain System ***must update price	781	LF	46.48	36,300
2510.320	Stone Bedding (M)	1,115	CY	20.00	22,293
2510.340	On-Site Backfill (M)	2,770	CY		
2510.510	Storm Filter Catch Basin Units (L)	2	EA	2,608.00	5,216
2510.515	6x8 Filterra Storm Chambers (L)	14	EA	14,006.82	196,095
2510.518	4x4 Filterra Storm Chambers (L)	4	EA	10,006.34	40,025
2510.522	90 Unit Gallery - Stormtech MC3500 Chambers (L)	2	EA	10,432.00	20,864
2510.526	144 Unit Gallery - Stormtech MC3500 Chambers (L)	1	EA	20,864.00	20,864
2510.530	Install 5' Diameter PC Manhole	18	EA	869.33	15,648
2510.540	5' PC Manhole (M)	18	EA	3,200.00	57,600
2510.630	MH/CB Connect To Existing	8	EA	2,608.00	20,864
2510.706	Truck Excess Pipe Excavation	743	CY	3.00	2,229
2510.710	Support Existing Pipe	6	EA	1,304.00	7,824
2515.366	Oil/Gas Separator (L)	3	EA	818.40	2,455
2515.368	Oil/Gas Separator (M)	3	EA	5,000.00	15,000
2520.005	4" PVC Trenching (L)	319	LF	24.72	7,886
2520.010	4" PVC (M)	319	LF	2.00	638
2520.015	6" PVC Trenching (L)	168	LF	26.08	4,381
2520.020	6" PVC (M)	168	LF	3.50	588
2520.025	8" PVC Trenching (L)	216	LF	26.08	5,633
2520.030	8" PVC (M)	216	LF	6.00	1,296
2520.045	12" PVC Trenching (L)	1,051	LF	26.08	27,410
2520.050	12" PVC (M)	1,051	LF	12.00	12,612
2520.620	Stone Bedding (M)	532	CY	20.00	10,645
2520.640	On-Site Backfill (M)	1,474	CY		
2530.306	Truck Excess Pipe Excavation	355	CY	3.00	1,064
2530.308	Connect To Existing Pipe/Structure	1	EA	1,304.00	1,304
2530.530	Install 5' Diameter PC Manhole	7	EA	869.33	6,085
2530.540	5' PC Manhole (M)	7	EA	3,200.00	22,400
2532.360	Install Grease Trap (L)	1	EA	818.40	818
2532.362	Grease Trap-3000gal (M)	1	EA	5,000.00	5,000
2540.105	6" D.I.P. Treching (L)	1,142	LF	26.08	29,783
2540.105	6" D.I.P. Treching (L) (Temp Line for School)	412	LF	26.08	10,745
2540.110	6" Ductile Iron Pipe	1,142	LF	16.00	18,272
2540.110	6" Ductile Iron Pipe (Temp Line for School)	412	LF	16.00	6,592
2540.520	Stone Bedding (M)	352	CY	20.00	7,039
2540.540	On-Site Backfill (M)	1,126	CY		
2540.606	Truck Excess Pipe Excavation	235	CY	3.00	704
2540.608	Connect To Exist Pipe/Structural	4	EA	1,304.00	5,216
2580.110	Elec Trench-Direct Burial	2,464	LF	8.04	19,811

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
2580.110	Elec Trench-Direct Burial (Site Lighting)	2,613	LF	8.04	21,009
2580.120	Elec Trench-Duct Bank (Secondary/Primary Under Roads)	140	LF	12.32	1,725
2580.130	Elec Ductbank Forms	560	SF	4.42	2,473
2580.140	Elec Ductbank Concrete	49	CY	121.08	5,933
2580.242	Transformer Vault	1	EA	2,929.58	2,930
2582.402	Gas Line Trenching (L) (Conduit by utility)	1,158	LF	16.48	19,084
2582.506	Truck Excess Pipe Excavation	116	CY	3.00	348
2582.825	Stone Bedding (M)	174	CY	20.00	3,485
2582.845	On-Site Backfill (M)	687	CY		
**** Total G3010 - SITE UTILITIES**					**944,403**
*** Total G30 - SITE UTILITIES**					**944,403**
Z10 - GENERAL					
Z1010 - GENERAL CONDITIONS					
0080.100	***DESIGN & ENGINEERING FEES BY CITY OF DOVER***				
0100.000	Mobilize / Demobilize	1	LS	28,000.00	28,000
0100.020	Office Supplies	155	WK	250.00	38,750
0100.030	Office Furniture / Systems	1	LS	48,000.00	48,000
0100.040	Engineer's Furniture / Equipment - N/A		LS		
0100.041	Engineer's Computer / Software - N/A		LS		
0100.045	Project Kiosk 30" - Purchase	4	EA	5,000.00	20,000
0100.060	Janitorial Services	155	WK	75.00	11,625
0100.064	Temporary Wiring	1	LS	5,000.00	5,000
0100.065	Electrical Energy Costs (By Owner)		MO	350.00	
0100.066	Water Usage Costs	35	MO	200.00	7,000
0100.100	Telephone / Communication	35	MO	900.00	31,500
0100.110	Sanitary / Facilities	35	MO	1,200.00	42,000
0110.080	Security / Watchman		WK		
0110.120	Photographs		MO		
0110.160	Documents & Reproductions	1	LS	15,000.00	15,000
0120.002	Estimating - GMP	1	LS	50,000.00	50,000
0120.003	Officer in Charge		MW	7,000.00	
0120.005	Construction Executive	15	MW	5,400.00	81,000
0120.008	Senior Project Manager	59	MW	4,720.00	278,480
0120.010	Project Manager	134	MW	3,800.00	509,200
0120.018	Senior Project Engineer		MW	2,880.00	
0120.020	Project Engineer	165	MW	2,400.00	396,000
0120.022	Office Engineer	115	MW	1,920.00	220,800
0120.024	Senior Superintendent	137	MW	4,720.00	646,640
0120.025	Project Superintendent	134	MW	3,720.00	498,480
0120.034	Construction Coordination - SCP	52	MW	2,400.00	124,800
0120.050	Scheduling Engineer		MW	2,280.00	
0120.058	Safety Manager		MW	3,720.00	
0120.060	Safety Engineer (2 Days/Week)	57	MW	2,280.00	129,960
0120.220	Administration	132	MW	1,720.00	227,040
0130.000	Living Allowance - Management	310	MWK	300.00	93,000
0130.005	Living Allowance - Foremen		MWK	125.00	
0130.020	Travel and Expenses	35	MO	600.00	21,000
0140.000	Scheduling	1	WK	2,280.00	2,280
0140.200	Permit's & Fee's		LS		
0140.205	Building Permit		LS		
0140.800	Professional Services		LS		
0150.200	Equipment Trucking		WK		
0150.250	Off - Site Parking		WK		
0150.500	Personnel Elevator		MO		
0150.520	Field Office	38	TM	1,200.00	45,600
0150.540	Engineer / Architect Office		TM		
0150.560	Storage Trailers (2 Trailers)	76	TM	150.00	11,400

Job #: 15027
Project Size: 308023 SF
Detail - With Taxes and Insurance

Estimator: KN, JB, MT, AM
Group 1: *Uniformat 1
Group 2: *Uniformat 2

Item Code	Description	Quantity	UM	Total UnitCost	Total Cost
0160.300	Sub Bonds (Include w/ Subs)		LS		
0180.010	Gross Receipts Tax		LS		
0180.020	Sales Tax		LS		
** Total Z1010 - GENERAL CONDITIONS					**3,582,555**
Z1020 - GENERAL REQUIREMENTS					
0200.010	Materials Testing		LS		
0200.040	Snow Removal	1	LS	40,000.00	40,000
0200.110	Field Engineering	4	WK	5,000.00	20,000
0200.140	Temporary GWB Partitions		SF	7.80	
0200.160	ICRA / ILSM - N/A		LS		
0200.180	Scaffolding - In COW		LS		
0200.200	OSHA / First Aid	155	WK	500.00	77,500
0200.300	Material Handling	113	WK	940.00	106,220
0200.310	Cranes - In COW		CM		
0200.320	Progress Cleanup (Labor & Dumpster)	155	WK	1,200.00	186,000
0200.330	Floor Protection	328,607	SF	0.24	79,391
0200.360	Final Cleanup	328,607	SF	0.45	147,873
0200.400	Temporary Heat	1	LS	175,000.00	175,000
0200.410	Temporary Enclosure	1	LS	150,000.00	150,000
0200.970	Support Equipment		LS		
** Total Z1020 - GENERAL REQUIREMENTS					**981,985**
* Total Z10 - GENERAL					**4,564,540**
Z20 - MAJOR CUSTOM PROGRAM ELEMENTS					
Z2010 - MAJOR CUSTOM PROGRAM ELEMENTS					
0060.002	Precon Services - N/A (Included under separate contract)				
2032.500	Asbestos Abatement - Gym & Auditorium (Allowance)	1	LS	300,000.00	300,000
2032.500	Asbestos Abatement - High School (Excludes Aud & Gym) (Allowance)	1	LS	1,000,000.00	1,000,000
** Total Z2010 - MAJOR CUSTOM PROGRAM ELEMENTS					**1,300,000**
* Total Z20 - MAJOR CUSTOM PROGRAM ELEMENTS					**1,300,000**
Z30 - GSF Revisions					
Z30 - GSF REVISIONS					
7852.018	Reduce GSF of Classrooms/TV Studio, Science CR, Media Ctr/Learning Commons, Auditorium/Drama, Mech Room, Storage Space	1	LS	-2,724,328.00	-2,724,328
7852.020	Change Animal Science Building to 5,000 SF with conventional wood framing	1	LS	-600,000.00	-600,000
7852.040	Simplify Barn Structure	1	LS	-40,000.00	-40,000
** Total Z30 - GSF REVISIONS					**-3,364,328**
* Total Z30 - GSF Revisions					**-3,364,328**
Total Gross Cost					**67,586,952**