

4.1.2 - 17

COST ESTIMATE – CM-R



**Northeast Metropolitan Regional School District
New Vocational Technical High School**

Wakefield, MA

**Schematic Estimate - Reconciled
July 2nd, 2021**

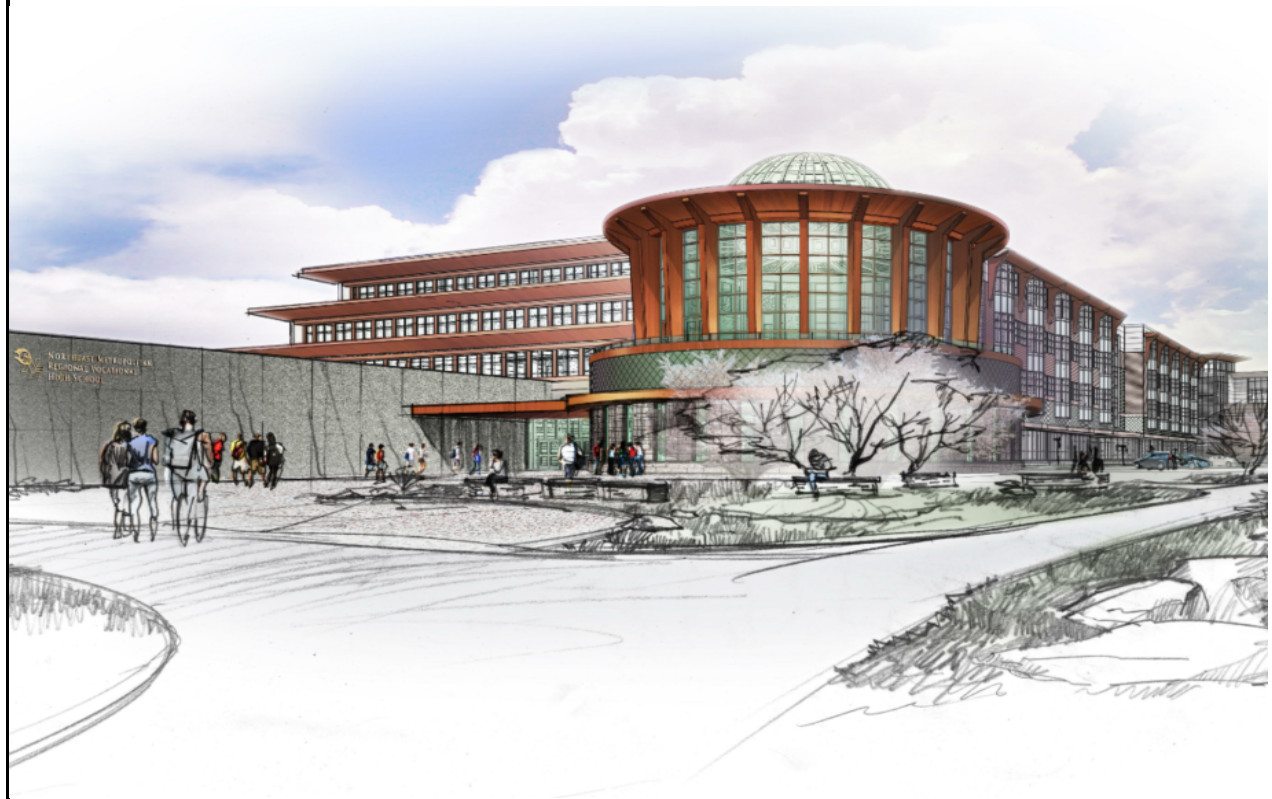


TABLE OF CONTENTS

SECTION 1

› ESTIMATE SUMMARY AND DETAIL - Uniformat

- Total Construction Cost Summary and Estimate Detail by Location / Uniformat

SECTION 2

› ESTIMATE SUMMARY AND DETAIL – CSI Masterformat

- Total Construction Cost Summary and Estimate Detail by Location / Masterformat

SECTION 3

› BASIS OF ESTIMATE

- Qualifications, Assumptions, and Exclusions

Location	Quantity	Unit Cost	Total Cost
C3A1 MAIN BUILDING	380,570 SF	\$354.71 / SF	\$134,992,071
A SUBSTRUCTURE		\$19.90 / SF	\$7,572,500
B SHELL		\$123.54 / SF	\$47,016,278
C INTERIORS		\$69.49 / SF	\$26,447,499
D SERVICES		\$131.32 / SF	\$49,974,645
E EQUIPMENT & FURNISHINGS		\$10.46 / SF	\$3,981,150
C3A2 CONCESSIONS / LOCKER BUILDING	6,060 SF	\$365.14 / SF	\$2,212,752
A SUBSTRUCTURE		\$44.55 / SF	\$270,000
B SHELL		\$171.18 / SF	\$1,037,334
C INTERIORS		\$121.27 / SF	\$734,893
D SERVICES		\$159.83 / SF	\$968,587
E EQUIPMENT & FURNISHINGS		\$4.11 / SF	\$24,900
Z GENERAL		(\$135.80) / SF	(\$822,962)
C3A3 MAINTENANCE BUILDING	2,040 SF	\$312.45 / SF	\$637,399
A SUBSTRUCTURE		\$40.00 / SF	\$81,600
B SHELL		\$99.62 / SF	\$203,217
C INTERIORS		\$18.46 / SF	\$37,658
D SERVICES		\$154.37 / SF	\$314,924
C3A4 TICKET OFFICE / CONCESSIONS	1,730 SF	\$609.24 / SF	\$1,053,982
A SUBSTRUCTURE		\$39.86 / SF	\$68,960
B SHELL		\$229.40 / SF	\$396,859
C INTERIORS		\$73.00 / SF	\$126,287
D SERVICES		\$266.23 / SF	\$460,571
E EQUIPMENT & FURNISHINGS		\$0.75 / SF	\$1,305
C3S1 SITE IMPROVEMENTS	60 acre	\$657,342.42 / acre	\$39,440,545
E EQUIPMENT & FURNISHINGS		\$19,425.90 / acre	\$1,165,554
F SPECIAL CONSTRUCTION & DEMOLITION		\$59,894.72 / acre	\$3,593,683
G SITEWORK		\$565,571.81 / acre	\$33,934,308
Z GENERAL		\$12,450.00 / acre	\$747,000
Subtotal Direct Cost		\$456.81 / SF	\$178,336,750

Indirect Costs	Amount	Total Cost
Design and Estimating Contingency	7.50%	\$13,375,256
Subtotal		\$191,712,006
Escalation	9.50%	\$18,212,641
Projected Cost of Work		\$209,924,646
Subcontractor Bonds	1.30%	\$2,729,020
General Liability Insurance		\$2,410,793
Builders Risk		\$365,272
Payment and Performance Bond		\$1,850,710
Subtotal Insurances		\$217,280,442
CM General Conditions		\$9,687,591
Field Office Support		\$1,010,430
CM General Requirements		\$5,034,190
Cost of Work / Site Services		\$1,000,000
CM Contingency	2.50%	\$5,248,116
Subtotal 1		\$239,260,769
CM Fee	1.75%	\$4,261,642
Total Construction Cost		\$623.78 /SF
		\$243,522,411

C3A1 MAIN BUILDING

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
A SUBSTRUCTURE	380,570 SF	\$19.90 / SF	\$7,572,500
A10 FOUNDATIONS		\$11.72 / SF	\$4,460,580
A1010 STANDARD FOUNDATIONS		\$9.93 / SF	\$3,779,080
A1010 Standard Foundations		\$0.97 / SF	\$367,650
Formwork - Continuous Footings	6,646 sfca	\$25.00 /sfca	\$166,150
Rebar - Continuous Footings (F&I)	28 ton	\$3,000.00 /ton	\$84,000
Concrete - Continuous Footings	370 cy	\$225.00 /cy	\$83,250
Concrete - Footing Steps	12 ea	\$1,500.00 /ea	\$18,000
Curved Foundations to straight / segment - VES01	-1 ls	(\$16,250.00) /ls	\$16,250
A1011 Wall Foundations		\$1.50 / SF	\$569,025
Formwork - @ Frost Wall	16,334 sfca	\$25.00 /sfca	\$408,350
Rebar - Frost Wall (F&I)	30 ton	\$3,000.00 /ton	\$90,000
Concrete - Foundation Walls	403 cy	\$225.00 /cy	\$90,675
Curved Walls to straight / segment - VES01	-1 ls	\$20,000.00 /ls	(\$20,000)
A1013 Column Foundations		\$3.98 / SF	\$1,515,825
Formwork - Column Footings	24,744 sfca	\$25.00 /sfca	\$618,600
Formwork - Isolated Piers	2,560 sfca	\$25.00 /sfca	\$64,000
Rebar - Column Footings (F&I)	208 ton	\$3,000.00 /ton	\$624,000
Rebar - Isolated Piers (F&I)	4.00 ton	\$3,000.00 /ton	\$12,000
Isolated Piers - Complete \$/cy	37 cy	\$275.00 /cy	\$10,175
Reduce Columns to Typical 10' x 10	-1.00 ls	\$500,000.00 /ls	(\$500,000)
Concrete - Column Footings	2,768 cy	\$225.00 /cy	\$622,800
Column Diamonds, Grout - Isolated Footings	257 ea	\$250.00 /ea	\$64,250
A1019 Standard Foundation Supplementary Components		\$1.21 / SF	\$462,175
Weather Protection - Foundations	1.00 ls	\$100,000.00 /ls	\$100,000
Housekeeping Pads	1,200 sf	\$50.00 /sf	\$60,000
Misc Curbs, Embeds	1.00 ls	\$50,000.00 /ls	\$50,000
Thickened Slab @CMU Walls	1,441 lf	\$175.00 /lf	\$252,175
A9011 Backfill & Compaction		\$2.27 / SF	\$864,405
Excav. Column Footings	7,711 cy	\$20.00 /cy	\$154,220
Excav. Continuous & Retaining Wall Footings	10,129 cy	\$20.00 /cy	\$202,580
Backfill & Compact Column Footings	4,943 cy	\$35.00 /cy	\$173,005
Backfill Wall / Footings	9,560 cy	\$35.00 /cy	\$334,600
A4040 PITS & BASES		\$0.32 / SF	\$121,500
A4040 Pits & Bases		\$0.32 / SF	\$121,500
Elevator Pit Walls / Mat Slab - 2 ea	16 cy	\$1,500.00 /cy	\$24,000
Other Pit Walls / Mat Slab - Leveling & Equipment	65 cy	\$1,500.00 /cy	\$97,500
A6010 BUILDING SUBDRAINAGE		\$1.47 / SF	\$560,000
A6011 Foundation Drainage		\$1.47 / SF	\$560,000
Building Foundation Drainage - Perforated PVC (F&I) - Perimeter	3,400 lf	\$25.00 /lf	\$85,000
Building Foundation Drainage - Perforated PVC (F&I) - underslab	15,000 lf	\$25.00 /lf	\$375,000
Radon Mitigation	1.00 ls	\$100,000.00 /ls	\$100,000
A20 SUBGRADE ENCLOSURES		\$3.45 / SF	\$1,313,569

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
A2020 BASEMENT WALL CONSTRUCTION		\$3.45 / SF	\$1,313,569
A1011 Wall Foundations		\$0.85 / SF	\$325,050
Formwork - Retaining Wall Footings	2,511 sfca	\$25.00 /sfca	\$62,775
Rebar - Retaining Wall Footings @ Wall (F&I)	44 ton	\$3,000.00 /ton	\$132,000
F&I Concrete - Retaining Wall Footings	579 cy	\$225.00 /cy	\$130,275
A2020 Basement Wall Construction		\$1.73 / SF	\$659,475
Formwork - @ Basement Retaining Wall	27,768 sfca	\$25.00 /sfca	\$694,200
Rebar - Basement Wall (F&I)	45 ton	\$3,000.00 /ton	\$135,000
F&I Concrete - Basement Wall	579 cy	\$225.00 /cy	\$130,275
Reduce Retaining Wall at Areaway, use rip rap at slope (keep walls in Site)	-1.00 ls	\$300,000.00 /ls	(\$300,000)
A2022 Moisture Protection		\$0.86 / SF	\$329,044
Insulation / waterproofing - Foundation Walls	4,818 sf	\$12.00 /sf	\$57,816
Insulation / Fluid-Applied Waterproofing - Basement Walls	16,769 sf	\$12.00 /sf	\$201,228
Waterproof Pits - 2 ea - Elev	400 sf	\$25.00 /sf	\$10,000
Waterproof Pits -6 ea - Other	2,400 sf	\$25.00 /sf	\$60,000
A40 SLABS-ON-GRADE		\$4.73 / SF	\$1,798,351
A4010 STANDARD SLABS-ON-GRADE		\$3.44 / SF	\$1,309,251
A4010 Standard Slabs-on-Grade		\$3.44 / SF	\$1,309,251
Formwork - Slab Edge	3,327 lf	\$20.00 /lf	\$66,540
Formwork - Slab Construction Joints	2,776 lf	\$20.00 /lf	\$55,520
Welded Wire Mesh - Slab on Grade (Incl. Overlap) F&I	159,620 sf	\$1.25 /sf	\$199,525
Concrete Material - (SOG)	3,091 cy	\$130.00 /cy	\$401,830
Place & Finish Slab on Grade Concrete (6" @shops + 5" elsewhere)	138,800 sf	\$2.75 /sf	\$381,700
Sawcut Slab on Grade Control Joints	8,328 lf	\$12.00 /lf	\$99,936
Change 5" SOG to 4" VES02	-1 ls	\$104,000.00 /ls	(\$104,000)
Cure / Protect Slab on Grade	138,800 sf	\$1.50 /sf	\$208,200
A4040 PITS & BASES		\$0.05 / SF	\$20,400
A4040 Pits & Bases		\$0.05 / SF	\$20,400
Support Steel - Elev. Sill Angles	7.00 ea	\$1,500.00 /ea	\$10,500
Elev. Sump Pit Covers-Galv.	2.00 ea	\$950.00 /ea	\$1,900
Elev. Pit Ladders	2.00 ea	\$4,000.00 /ea	\$8,000
A4090 SLAB-ON-GRADE SUPPLEMENTARY COMPONENTS		\$1.23 / SF	\$468,700
A4096 Slab-On-Grade Supplementary Components		\$1.23 / SF	\$468,700
Vapor Barrier / Rigid Insulation @ S.O.G.	138,800 sf	\$3.50 /sf	\$485,800
Vapor Barrier / Rigid Insulation @ S.O.G. delete insulation except at perimeter 2' - VE-A21	-130000 sf	\$2.85 /sf	(\$370,500)
Compacted Gravel Base Under - Imported @ 12" Aggregate	5,140 cy	\$35.00 /cy	\$179,900
Subbase - Place & Compact			
Fine Grade Base	138,800 sf	\$1.00 /sf	\$138,800
Rough Grade Base	138,800 sf	\$0.25 /sf	\$34,700
B SHELL	380,570 SF	\$123.54 / SF	\$47,016,278

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
B10 SUPERSTRUCTURE		\$60.27 / SF	\$22,937,624
B1010 FLOOR CONSTRUCTION		\$36.84 / SF	\$14,020,077
B1010 Floor Construction		\$6.11 / SF	\$2,324,475
Welded Wire Mesh - Structural Slabs (Incl. Overlap) F&I	283,180 sf	\$1.25 /sf	\$353,975
Buy & Place Slab on Deck Concrete 5.25"	3,989 cy	\$250.00 /cy	\$997,250
Finish Concrete - Metal Deck	246,200 sf	\$3.75 /sf	\$923,250
Superstructure Interior Pads Complete	1,000 sf	\$50.00 /sf	\$50,000
B1011 Floor Structural Frame		\$28.35 / SF	\$10,790,400
Structural Steel Superstructure Complete \$/ton	2,462 ton	\$4,900.00 /ton	\$12,063,800
Add Mezzanine (deck and slab complete)	1,800 sf	\$45.00 /sf	\$81,000
Adjust Tonnage (note on plans for 20#/sf incorrect)	-455.00 ton	\$4,800.00 /ton	(\$2,184,000)
Adjust Unit \$ on tonnage per reconciliation	2,007 ton	\$250.00 /ton	\$501,750
Adjust Unit \$ on tonnage per VE	2,007 ton	(\$450.00) /ton	(\$903,150)
Metal Decking - Floor, 2"	246,200 sf	\$5.00 /sf	\$1,231,000
B1012 Floor Decks, Slabs, & Toppings		\$0.14 / SF	\$55,052
Geofoam - Stage Floor & Raised Platform	2,753 sf	\$20.00 /sf	\$55,052
B1019 Floor Construction Supplementary Components		\$2.23 / SF	\$850,150
Applied Fireproofing Complete \$/sf	246,200 sf	\$3.25 /sf	\$800,150
Misc. Patching of Fireproofing	1.00 ls	\$50,000.00 /ls	\$50,000
B1020 ROOF CONSTRUCTION		\$21.29 / SF	\$8,102,947
B1021 Roof Structural Frame		\$15.12 / SF	\$5,753,834
Roof Framing Complete \$/ton (15#/sf typical, 20#/sf @ roof wells / intensive roof)	1,154 ton	\$4,400.00 /ton	\$5,077,600
Steel Supports Galvanized @ Equipment	20 ton	\$5,000.00 /ton	\$100,000
Adjust Unit \$ on tonnage per reconciliation	1,154 ton	\$250.00 /ton	\$288,500
Adjust Unit \$ on tonnage per VE	1,154 ton	(\$450.00) /ton	(\$519,300)
Metal Decking - Roof, 3"	131,668 sf	\$5.00 /sf	\$658,340
Metal Roof Deck - Acoustic @ Gym, Caf, & Main Entry	13,832 sf	\$10.75 /sf	\$148,694
B1022 Roof Decks, Slabs, & Sheathing		\$5.41 / SF	\$2,059,827
Welded Wire Mesh - Roof Deck (Incl. Overlap) F&I	32,958 sf	\$1.15 /sf	\$37,902
Concrete Material & Place -@ Roof Deck	796 cy	\$125.00 /cy	\$99,500
Finish Concrete - Roof Deck - Roof Wells / Green Roofs / Rooftop Play Area	25,159 sf	\$75.00 /sf	\$1,886,925
Finish Concrete - Roof Deck - AHU / Equip pads	3,500 sf	\$3.00 /sf	\$10,500
Roof Concrete - Concrete Curbs @ Roof Deck	1.00 ls	\$25,000.00 /ls	\$25,000
B1029 Roof Construction Supplementary Components		\$0.76 / SF	\$289,286
Rough Carpentry @ Curbs	37 ea	\$750.00 /ea	\$27,750
Rough Carpentry Roofing	148,357 sf	\$1.50 /sf	\$222,536
Temporary Roof Perimeter Protection	1.00 allw	\$20,000.00 /allw	\$20,000
Temporary Roof Protection	1.00 allw	\$15,000.00 /allw	\$15,000
Applied Fireproofing Complete \$/sf	0.00 sf		\$0
Misc. Patching of Fireproofing	1.00 ls	\$4,000.00 /ls	\$4,000
B1080 STAIRS		\$2.14 / SF	\$814,600
B1081 Stair Construction		\$1.99 / SF	\$758,100

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Stairs - Concrete In Steel Pan Stairs	15 flgt	\$7,500.00 /flgt	\$112,500
Stairs - Monument / Feature w/ Rails - Open Ornamental Stair, 1 location	3.00 flgt	\$105,200.00 /flgt	\$315,600
Stairs - Steel Pan w/ Rails - Typical Shaft Stair, 6 locations	15 flgt	\$22,000.00 /flgt	\$330,000
B2017 Balcony Walls & Railings		\$0.15 / SF	\$56,500
Railing Exterior Guardrail at Roof Patio Edge	195 lf	\$160.00 /lf	\$31,200
Railing Exterior Guardrail & Fence w/ privacy screen at Roof Patio Edge	115 lf	\$220.00 /lf	\$25,300
B20 EXTERIOR VERTICAL ENCLOSURES		\$47.83 / SF	\$18,201,258
B2010 EXTERIOR WALLS		\$29.29 / SF	\$11,145,363
B2011 Exterior Wall Veneer		\$18.96 / SF	\$7,214,629
Exterior CMU - CMU Veneer	11,800 sf	\$35.00 /sf	\$413,000
Staging and Scaffolding - Exterior CMU - All exterior Masonry	11,800 sf	\$38.00 /sf	\$448,400
Exterior Stone - Granite Veneer	5,585 sf	\$55.00 /sf	\$307,175
Exterior Stone - Travertine	2,865 sf	\$50.00 /sf	\$143,250
FRP - Wall Paneling	3,771 sf	\$17.00 /sf	\$64,109
Screen Wall RTU Screen @ mech. equip.	2,245 sf	\$80.00 /sf	\$179,600
Metal Panel Insulated Metal Panels	28,605 sf	\$65.00 /sf	\$1,859,325
Metal Panel Flat-Lock Metal Tiles	4,050 sf	\$80.00 /sf	\$324,000
Metal Panel Corrugated Insulated Metal Panels	3,550 sf	\$75.00 /sf	\$266,250
Wall Panel Phenolic Panels	23,390 sf	\$88.00 /sf	\$2,058,320
ACM ACM - Siding - Composite Metal Panels	3,860 sf	\$80.00 /sf	\$308,800
ACM ACM Cornice - Tapered Roof Edge, varying widths	2,850 lf	\$160.00 /lf	\$456,000
ACM ACM - Siding, Architectural Elements: 11' Short Ribs, 12 ea, 25sf single side	798 sf	\$80.00 /sf	\$63,840
ACM ACM - Siding, Architectural Elements: 23' Tall Ribs, 19 ea, 80sf single side	3,582 sf	\$80.00 /sf	\$286,560
Exterior Enclosure Painting, Staining & Transparent Finishing	400 mhr	\$90.00 /mhr	\$36,000
B2012 Exterior Wall Construction		\$10.70 / SF	\$4,072,234
Exterior CMU - 8" CMU	26,314 sf	\$35.00 /sf	\$920,990
Exterior Wall Backup Wall CMU - AVG Backup Wall Assembly (6" CMU, Insul, Int. Gyp Bd - NO AVB)	26,314 sf	\$22.50 /sf	\$592,065
Exterior Wall Backup Wall CMU - target 10% reduction, change to LGMF - VE-A10	-1 ls	\$62,500.00 /ls	(\$62,500)
Stabilizer Clips-Galv. @ Exterior Masonry Walls	20,545 sf	\$1.00 /sf	\$20,545
Blocking @ Exterior Wall Mounted Railing \$/lf	310 lf	\$10.00 /lf	\$3,100
Blocking @ Exterior Louver \$/lf	850 lf	\$10.00 /lf	\$8,500
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	140,000 sfwa	\$7.00 /sfwa	\$980,000
Caulking and Sealants, Exterior - Total enclosure SF	140,000 sfwa	\$0.75 /sfwa	\$105,000
Exterior Wall Backup GWB Stud Wall - 3 5/8" MS, AVB, Dens Glass, Insul., 5/8 GWB	79,186 sf	\$19.00 /sf	\$1,504,534
B2018 Exterior Wall Supplementary Components		\$0.46 / SF	\$175,000
Sheet Metal Flashing & Trim Complete \$/sf	140,000 sfwa	\$1.25 /sfwa	\$175,000
B2019 Exterior Wall Opening Supplementary Components		\$0.02 / SF	\$6,000

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Exterior Signage Name and logo sign attached to enclosure, Aluminum	1.00 ls	\$6,000.00 /ls	\$6,000
Z1014 Value Analysis		(\$0.85) / SF	(\$322,500)
Exterior Stone - Granite Veneer - delete @ retaining walls - VE A09	5,585 sf	(\$57.74) /sf	(\$322,500)
B2020 EXTERIOR WINDOWS		\$17.90 / SF	\$6,810,820
B2021 Exterior Operating Windows		\$0.69 / SF	\$262,320
Blocking @ Window Perimeter \$/lf	17,488 lf	\$15.00 /lf	\$262,320
B2022 Exterior Fixed Windows		\$1.03 / SF	\$393,500
Window Insulated Translucent Wall Panel System w/ Glazed Operable Sashes	3,935 sf	\$100.00 /sf	\$393,500
B2023 Exterior Window Wall Storefronts		\$5.03 / SF	\$1,914,300
Storefront Insulating Glass in Aluminum Storefront System	19,910 sf	\$100.00 /sf	\$1,991,000
VE-A06 - change storefront to IMP per sk recv'd 6-17	-1 ls	\$31,500.00 /ls	(\$31,500)
VE-A19 - change storefront to CMU on LGMF back-up per sk recv'd 6-18-21 (multiple trades)	-1 ls	\$45,200.00 /ls	(\$45,200)
B2027 Sun Control Devices (Exterior)		\$0.39 / SF	\$150,000
Sun Shades Allowance - Exterior	1.00 allw	\$150,000.00 /allw	\$150,000
B2029 Curtain Walls		\$10.75 / SF	\$4,090,700
Curtain Wall Insulating Glass in Aluminum Curtain Wall System	34,255 sf	\$120.00 /sf	\$4,110,600
Curtain Wall Insulating Glass in Aluminum Curtain Wall System - Straight vs segmented	-1 ls	\$19,900.00 /ls	(\$19,900)
B2050 EXTERIOR DOORS & GRILLES		\$1.27 / SF	\$482,475
B2051 Exterior Entrance Doors		\$0.75 / SF	\$284,900
Door HM Double Exterior - Incl. Door, Frame, and Hardware	3.00 ea	\$7,000.00 /ea	\$21,000
Door HM Single Exterior - Incl. Door, Frame, and Hardware	5.00 ea	\$3,500.00 /ea	\$17,500
Glass & Alum Doors - Double Exterior - Incl. Door, Frame, and Hardware	24 ea	\$8,800.00 /ea	\$211,200
Glass & Alum Doors - Single Exterior - Incl. Door, Frame, and Hardware	8.00 ea	\$4,400.00 /ea	\$35,200
B2053.4 Overhead & Roll Up Doors		\$0.52 / SF	\$197,575
Door Insulated Overhead Coiling Door, Motor Operated, 1 each	115 sf	\$55.00 /sf	\$6,325
Door Motor Operated Overhead Door w/ Insulating Glass - Typ., 12 ea	2,250 sf	\$85.00 /sf	\$191,250
B2070 EXTERIOR LOUVERS & VENTS		\$0.25 / SF	\$96,000
B2071 Exterior Louvers		\$0.25 / SF	\$96,000
Louver Exterior Louvers	960 sf	\$100.00 /sf	\$96,000
Z1080 VALUE ENGINEERING / ALTERNATES		(\$0.88) / SF	(\$333,400)
Z1082 Value Engineering		(\$0.88) / SF	(\$333,400)
Remove Overhang along West Side per SK rec;d 6-17	-1 ls	\$333,400.00 /ls	(\$333,400)
B30 EXTERIOR HORIZONTAL ENCLOSURES		\$15.44 / SF	\$5,877,396
B3010 ROOFING		\$13.01 / SF	\$4,951,983
B3012 Low Slope Membrane Systems		\$12.38 / SF	\$4,712,535
Green Roof System - Planter / Plantings Allowance	1.00 allw	\$50,000.00 /allw	\$50,000

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Green Roof System - Stabilized Stoneduct Paving @ Courtyards	1,661 sf	\$1.00 /sf	\$1,661
Pre-Vegatated Roof Garden System	7,687 sf	\$35.00 /sf	\$269,062
Pre-Vegatated Roof Garden System (Intensive) @ Courtyards	3,384 sf	\$50.00 /sf	\$169,213
Pre-Vegatated Roof Garden System (Semi-Intensive) @ Courtyards	4,165 sf	\$35.00 /sf	\$145,765
Roof System A - Single Ply PVC Membrane, applied in max 2" layers, 6-1/2" Insul.	85,109 sf	\$25.00 /sf	\$2,127,713
Roof System B - PVC Single Ply Membrane w/ 6-1/2" Insulation	41,823 sf	\$25.00 /sf	\$1,045,566
Single Ply PVC Membrane at Cornice Conditions	25,000 sf	\$22.00 /sf	\$550,000
Waterproof Membrane under Green Roofs	15,236 sf	\$22.00 /sf	\$335,192
Roof System A/B - PVC Membrane Wall Flashing 18" high	2,623 sf	\$7.00 /sf	\$18,363
B3013 Roof Insulation & Fill		\$0.38 / SF	\$144,198
Tapered Roof Insulation - Premium	41,199 sf	\$3.50 /sf	\$144,198
B3014.2 Flashings & Trim		\$0.18 / SF	\$70,250
Patch and Seal Roof Penetrations	1.00 ls	\$35,000.00 /ls	\$35,000
Roof Edge Fascia	1,175 lf	\$30.00 /lf	\$35,250
B3019 Roofing Supplementary Components		\$0.07 / SF	\$25,000
Elevator Roof Vent	2.00 ea	\$2,500.00 /ea	\$5,000
Expansion Joints - Roofing, not shown	1.00 allw	\$20,000.00 /allw	\$20,000
B3020 ROOF APPURTENANCES		\$0.11 / SF	\$41,000
B3020 Roof Appurtenances		\$0.11 / SF	\$41,000
Smoke Hatches - Bilco Automatic Fire/Smoke Vent (4'6"x6'6")	3.00 ea	\$7,000.00 /ea	\$21,000
Roofing Pavers/Walkways - Membrane, not shown	1.00 allw	\$20,000.00 /allw	\$20,000
B3040 TRAFFIC BEARING HORIZONTAL ENCLOSURES		\$1.04 / SF	\$396,646
B3041 Traffic Bearing Coatings		\$1.04 / SF	\$396,646
Pedestal Mounted Paver System @ Courtyard	9,345 sf	\$30.00 /sf	\$280,347
Pedestal Mounted Paver System @ Media Center	1,291 sf	\$30.00 /sf	\$38,735
Safety Surface @ Early Childhood	3,103 sf	\$25.00 /sf	\$77,563
B3060 HORIZONTAL OPENINGS		\$0.25 / SF	\$96,900
B3061 Roof Windows & Skylights		\$0.25 / SF	\$96,900
Window Skylight, Prefab, Self-Support Insulating Glass In Alum. Framing	570 sf	\$170.00 /sf	\$96,900
B3080 OVERHEAD EXTERIOR ENCLOSURES		\$1.03 / SF	\$390,868
B3081 Exterior Ceilings		\$1.03 / SF	\$390,868
Exterior Ceiling Linear Metal Ceiling W/ Wood Appearance, 4" Wide Plank	955 sf	\$100.00 /sf	\$95,500
Exterior ACM Aluminum Composite Material Ceiling - Exterior	3,500 sf	\$75.00 /sf	\$262,500
Exterior Ceiling Plaster Soffit - Exterior	1,060 sf	\$18.00 /sf	\$19,080
Exterior Ceiling Finishes Paint, Stain, and Finish Exterior Ceilings	5,515 sf	\$2.50 /sf	\$13,788
C INTERIORS	380,570 SF	\$69.49 / SF	\$26,447,499
C10 INTERIOR CONSTRUCTION		\$39.75 / SF	\$15,125,884
C1010 INTERIOR PARTITIONS		\$28.97 / SF	\$11,026,945
C1011 Interior Fixed Partitions		\$22.73 / SF	\$8,649,116

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Interior CMU - 8"	114,252 sf	\$26.00 /sf	\$2,970,551
Interior CMU - 8" (2hr RATED)	655 sf	\$30.00 /sf	\$19,660
Interior CMU - 12"	25,939 sf	\$35.00 /sf	\$907,853
Interior Rough Carpentry	380,395 sf	\$2.00 /sf	\$760,790
Wall Type (F4.0) 3-5/8" MS, 1lyr 5/8" GWB OS	12,654 sf	\$8.00 /sf	\$101,230
Wall Type (F6) 6" MS, 1lyr 5/8" GWB OS	37,139 sf	\$10.00 /sf	\$371,391
Wall Type (F6.0A) 6" MS, 2lyrs 5/8" GWB OS	594 sf	\$12.00 /sf	\$7,125
Wall Type (F4.0A) 3-5/8" MS, 2lyrs 5/8" GWB OS	6,495 sf	\$10.00 /sf	\$64,952
Wall Type (G4.0) 3-5/8" MS, 1lyr 5/8" GWB ES, 3-1/2" Acoustic Batt	274 sf	\$12.00 /sf	\$3,286
Wall Type (G6.0) 6" MS, 1lyr 5/8" GWB ES, 5" Acoustic Batt	71,218 sf	\$13.00 /sf	\$925,828
Wall Type (G6.0A) 6" MS, 2lyrs 5/8" GWB ES, 5" Acoustic Batt	53,947 sf	\$14.00 /sf	\$755,252
Wall Type (G6.0B) 6" MS, 2lyrs 5/8" GWB ES, 5" Acoustic Batt	60,840 sf	\$14.00 /sf	\$851,767
Wall Type (G6.2) 6" MS, 2lyrs 5/8" GWB ES, 5" Acoustic Batt, 2hr RATED	13,519 sf	\$16.00 /sf	\$216,302
Wall Type (S6.2) 1" Liner, 6" MS, 5-1/2" Acoustic, 2lyrs 5/8" GWB, 2hr RATED	29,700 sf	\$18.00 /sf	\$534,605
Partition - Premium Abuse Resistant Drywall	126,819 sf	\$1.25 /sf	\$158,523
C1016 Glazed Partitions & Storefronts		\$6.25 / SF	\$2,377,830
Storefront - Interior	15,576 sf	\$75.00 /sf	\$1,168,172
Storefront - Interior (2' high Transom above door)	1,248 sf	\$75.00 /sf	\$93,589
Storefront - Interior (2' high Transom above door) - delete and change to GWB - VE-A012	-1 ls	\$73,700.00 /ls	(\$73,700)
Storefront - Interior, FIRE RATED	8,487 sf	\$150.00 /sf	\$1,273,004
Storefront - Interior, FIRE RATED - target 10% reduction VE-A11 (replace w GWB)	-1 ls	\$113,700.00 /ls	(\$113,700)
Art Glass Panels @ Cafeteria (PREMIUM)	219 sf	\$25.00 /sf	\$5,465
Glazing - Interior Ballistic, not shown Allowance	1.00 allw	\$25,000.00 /allw	\$25,000
C1017 Interior Guardrails & Screens		\$0.00 / SF	\$0
Gym Flexible Stainless Steel Safety Netting By Metal Fabrications (2695 sf)	0.00 sf		\$0
C1020 INTERIOR WINDOWS		\$0.00 / SF	\$1,500
C1020 Interior Windows		\$0.00 / SF	\$1,500
Transaction Window - Interior	1.00 ea	\$1,500.00 /ea	\$1,500
C1030 INTERIOR DOORS		\$4.14 / SF	\$1,575,578
C1031.4 Standard Interior Doors		\$3.27 / SF	\$1,244,345
Install Interior Doors and Frames	576 leaf	\$270.00 /leaf	\$155,520
Frame Hollow Metal - Interior - Single	367 ea	\$450.00 /ea	\$165,150
Frame Hollow Metal - Interior - Double	89 ea	\$500.00 /ea	\$44,500
Glazing Interior Sidelites - reduce to 18" wide per VE-A13	-1 ls	\$15,300.00 /ls	(\$15,300)
Glazing Interior Single Glass Door Frame and Hardware	7.00 leaf	\$3,000.00 /leaf	\$21,000
Glazing Interior Double Glass Door Frame and Hardware	16 pair	\$6,000.00 /pair	\$96,000
Door Wood Door - Interior - Single	367 leaf	\$535.00 /leaf	\$196,345
Door Wood Door - Interior - Double	89 pair	\$1,070.00 /pair	\$95,230
Door Barn Doors and Hardware	4.00 ea	\$850.00 /ea	\$3,400

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Door Overhead Coiling Doors - Interior	2.00 leaf	\$6,000.00 /leaf	\$12,000
Door Wire Mesh Partition Door	2.00 leaf	\$350.00 /leaf	\$700
Glazing Vision Panels in Wood Doors	200 ea	\$100.00 /ea	\$20,000
Hardware Interior Door Hardware Per Leaf	576 leaf	\$600.00 /leaf	\$345,600
Paint Paint Interior Doors	576 leaf	\$100.00 /leaf	\$57,600
Paint Interior - Door & Frames	466 ea	\$100.00 /ea	\$46,600
C1034 Interior Coiling Doors		\$0.11 / SF	\$42,000
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$42,000.00 /ls	\$42,000
C1039 Interior Door Supplementary Components		\$0.76 / SF	\$289,233
Misc. Interior Caulking - General	380,570 sf	\$0.76 /sf	\$289,233
C1090 INTERIOR SPECIALTIES		\$6.63 / SF	\$2,521,861
C1091.4 Interior Railings & Handrails		\$1.28 / SF	\$486,575
Guard Rail - Interior - Steel Railings (non - stair)	430 lf	\$90.00 /lf	\$38,700
Guard Rail - Interior - Auditorium	700 lf	\$300.00 /lf	\$210,000
Guard Rail - Interior - Glass Guardrail System	275 lf	\$525.00 /lf	\$144,375
Guard Rail - Interior - Wire Mesh Guard Rail at Perimeter of Mezzanine	425 lf	\$220.00 /lf	\$93,500
C1092.2 Compartments & Cubicles		\$0.24 / SF	\$92,036
Cubicles Cubicle Curtains and Track at Nurse's Area.	1.00 ls	\$7,000.00 /ls	\$7,000
Toilet Compartment - Plastic Laminate - Standard	35 stall	\$1,200.00 /stall	\$42,000
Toilet Compartment - Plastic Laminate - Handicapped	13 stall	\$1,500.00 /stall	\$19,500
Urinal Screen - Plastic Laminate	31 ea	\$425.00 /ea	\$13,175
Wire Mesh Partition (assume 8' high) - Interior	1,151 sf	\$9.00 /sf	\$10,361
C1092.4 Toilet, Bath, & Laundry Accessories		\$0.53 / SF	\$203,001
Toilet Accessories - Unload / Store / Categorize	550 mhr	\$90.00 /mhr	\$49,500
Toilet Accessories - Distribute / Install	550 mhr	\$90.00 /mhr	\$49,500
Non Restroom Soap: Soap Dispenser, Wall Mtd.	143 ea	\$80.00 /ea	\$11,440
Restroom Soap: Soap Dispenser, Wall Mtd.	69 ea	\$80.00 /ea	\$5,520
Restroom Paper Towel Dispenser & Trash, Semi Recessed	61 ea	\$205.00 /ea	\$12,505
Restroom Toilet Paper Dispenser, Wall Mtd.	87 ea	\$100.00 /ea	\$8,700
Restroom Sanitary Napkin Disposal, Recessed	87 ea	\$75.00 /ea	\$6,525
Restroom Soap: Shampoo Dispenser, Shower Wall Mtd.	6.00 ea	\$90.00 /ea	\$540
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	52 ea	\$43.00 /ea	\$2,236
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	122 ea	\$45.00 /ea	\$5,490
Non Restroom Lit Mirror: Single Mirror: Light in Framed Mirror Unit	10 ea	\$520.00 /ea	\$5,200
Non Restroom Mirror: Full Height Frameless Mirror Allowance - Weight room, Fitness Room, Locker Rooms, Changing Rooms, Misc.	1.00 allw	\$10,500.00 /allw	\$10,500
Restroom Grab Bar: 60" "L" Shaped, Shower, Curved, Wall Mtd.	6.00 ea	\$115.00 /ea	\$690
Restroom Baby Changing Station; Wall Mtd.	4.00 ea	\$220.00 /ea	\$880
Non Restroom Hook: Multiple Coat Hook, Coat Rack, Wall Mtd.	16 ea	\$70.00 /ea	\$1,120
Restroom Mirror: Single Mirror: Framed Mirror Unit	69 ea	\$165.00 /ea	\$11,385
Restroom Shower curtain and rod, typ. shower unit	6.00 ea	\$80.00 /ea	\$480
Restroom Shower Seat @ ADA shower units	6.00 ea	\$230.00 /ea	\$1,380

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Janitor Shelf: S.S. Utility Shelf w/ Mop and Broom Holders	8.00 ea	\$155.00 /ea	\$1,240
Janitor Shelf: SS Shelf 8" D x 24" W	8.00 ea	\$65.00 /ea	\$520
Non Restroom Hook: Coat Hook, Door / Wall Mtd.	43 ea	\$20.00 /ea	\$860
Restroom Hook: Coat Hook, Stall Wall Mtd.	53 ea	\$20.00 /ea	\$1,060
Non Restroom Paper Towel Dispenser, Wall Mtd.	143 ea	\$110.00 /ea	\$15,730
C1093 Wall & Door Protection		\$0.10 / SF	\$39,074
Wall & Door Protection Complete \$/sf, including corner guards	390,740 gsf	\$0.10 /gsf	\$39,074
C1093.2 Information Specialties		\$1.28 / SF	\$486,750
White / Marker Boards - Small 4' x 4'	100 ea	\$500.00 /ea	\$50,000
White / Marker Boards - Medium 4' x 6'	268 ea	\$750.00 /ea	\$201,000
Corkboards / Tack Boards - Large 4' x 8'	124 ea	\$450.00 /ea	\$55,800
Corkboards / Tack Boards - Small 4' x 4'	115 ea	\$900.00 /ea	\$103,500
Signage Dedication Plaques Allowance - Interior	1.00 allw	\$5,000.00 /allw	\$5,000
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$10,000.00 /ls	\$10,000
Signage Room Identification Signs - Interior	370 ea	\$85.00 /ea	\$31,450
Signage Additional Signage Allowance - Interior	1.00 allw	\$10,000.00 /allw	\$10,000
Signage Branding and Graphics Allowance - Interior, including large format wall murals and panels.	1.00 allw	\$20,000.00 /allw	\$20,000
C1097 Storage Specialties		\$1.78 / SF	\$678,926
Lockers Locker Room: Single and multi-tier lockers on conc, base, 15" x 15"	428 ea	\$300.00 /ea	\$128,400
Lockers Shop Lockers 2 Tier, 15" Wide x 15" Deep	204 ea	\$325.00 /ea	\$66,300
Lockers Corridor Lockers 2 Tier, 15" Wide x 15" Deep on wood base	1,226 ea	\$375.00 /ea	\$459,750
Lockers Cosmetology Lockers: Single &/or double tier, 2' w x 2.5' d	22 ea	\$475.00 /ea	\$10,450
Locker Benches	216 lf	\$65.00 /lf	\$14,026
Storage Wall Shelving - Metal (In F&E Estimate)	768 lf	\$0.00 /lf	\$0
C1099 Other Interior Specialties		\$1.41 / SF	\$535,499
Misc. Metals and Supports	390,740 gsf	\$0.75 /gsf	\$293,055
2x4 Stud Wall with Plywood - assume 8' high	3,134 sf	\$10.00 /sf	\$31,336
Plywood Sheathing with 2x8 Wood Joists	740 sf	\$15.00 /sf	\$11,107
Safety Related Carpentry - Safety Rails / Opening Protection	1.00 ls	\$200,000.00 /ls	\$200,000
C20 INTERIOR FINISHES		\$29.75 / SF	\$11,321,614
C2010 WALL FINISHES		\$6.48 / SF	\$2,466,214
C2012 Wall Paneling		\$3.01 / SF	\$1,144,000
Wood Veneer Paneling - Interior Wall - Removed per Reconciliation Meeting 6/15	0.00 sf		\$0
Metal Panel Phenolic Wall Panels - Interior - Removed per Reconciliation Meeting 6/15	0.00 sf		\$0
PLAM Wall Panels - Interior	22,880 sf	\$50.00 /sf	\$1,144,000
C2013.4 Wall Coverings		\$0.00 / SF	\$0
Interior Misc. Millwork not shown or within F&E Estimate	0.00 nic		\$0
C2014 Tile & Terrazzo Wall Finishes		\$4.41 / SF	\$1,680,037
Ceramic Wall Tile	50,791 sf	\$24.00 /sf	\$1,218,979

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Thin Porcelain Wall Tile	25,614 sf	\$18.00 /sf	\$461,058
C2015 Stone Facing		\$0.38 / SF	\$145,677
Interior Stone - Travertine	2,914 sf	\$50.00 /sf	\$145,677
C2017 Wall Painting & Coating		\$2.30 / SF	\$876,742
Paint Interior GWB Walls	192,392 sf	\$1.00 /sf	\$192,392
Paint Interior GWB Walls - Soffits	7,543 sf	\$1.00 /sf	\$7,543
Paint Interior Walls - Epoxy	132,433 sf	\$3.50 /sf	\$463,517
Paint Interior CMU Walls	126,605 sf	\$1.25 /sf	\$158,256
Paint Interior Pre-Cast Concrete Walls	4,027 sf	\$1.25 /sf	\$5,034
Misc. Interior Painting	1.00 allw	\$50,000.00 /allw	\$50,000
C2019 Wall Finish Supplementary Components		\$0.44 / SF	\$168,958
Interior Window Sills @ Exterior - Solid Surface - changed to PLAM per VE-A01	3,379 lf	\$50.00 /lf	\$168,958
Z1082 Value Engineering		(\$4.07) / SF	(\$1,549,200)
Option 1 Wall Finishes (mulitple materials, see VE detail)	-1 ls	\$1,549,200.00 /ls	(\$1,549,200)
C2020 INTERIOR FABRICATIONS		\$0.00 / SF	\$0
C2020 Countertops & Interior Fabrications		\$0.00 / SF	\$0
Casework Countertop - Solid Surface @ Classroom - In F&E Estimate	896 lf	\$0.00 /lf	\$0
C2030 FLOORING		\$11.43 / SF	\$4,350,105
C2031 Flooring Treatment		\$0.28 / SF	\$105,000
Floor Patching Allowance	1.00 allw	\$85,000.00 /allw	\$85,000
Floor Prep / Leveling Allowance	1.00 allw	\$20,000.00 /allw	\$20,000
C2032.2 Tile Flooring		\$0.42 / SF	\$160,920
Ceramic Floor Tile - Mosaic	6,705 sf	\$24.00 /sf	\$160,920
C2032.4 Wood Flooring		\$0.82 / SF	\$311,750
Wood Sprung Stage Flooring	2,050 sf	\$22.00 /sf	\$45,100
Wood Flooring - Premium for Markings on Athletic Wood Floor	2,050 sf	\$1.00 /sf	\$2,050
Athletic Sports Wood Flooring - Gym	12,600 sf	\$21.00 /sf	\$264,600
C2032.6 Carpeting		\$0.31 / SF	\$117,270
Carpet - Tile	19,890 sf	\$5.00 /sf	\$99,450
Carpet - Walk Off Carpet	1,485 sf	\$12.00 /sf	\$17,820
C2032.8 Wall Base Finishes		\$0.93 / SF	\$355,533
Ceramic Tile Base	2,470 lf	\$19.25 /lf	\$47,548
Rubber Base	38,410 lf	\$3.00 /lf	\$115,230
Terrazzo Base	2,790 lf	\$14.00 /lf	\$39,060
Decorative Fabric Metal Panel - Interior	493 sf	\$90.00 /sf	\$44,408
Flat Lock Metal Tiles - Interior	1,366 sf	\$80.00 /sf	\$109,288
C2033 Specialty Flooring		\$0.11 / SF	\$41,250
Foot Grille Carpet	825 sf	\$50.00 /sf	\$41,250
C2035 Resilient Flooring		\$5.99 / SF	\$2,277,930
Athletic Sports Flooring	2,990 sf	\$16.50 /sf	\$49,335
Linoleum	67,410 sf	\$7.00 /sf	\$471,870
Sheet Vinyl - Slip Resistant	8,280 sf	\$7.00 /sf	\$57,960

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Sheet Vinyl Flooring	64,350 sf	\$6.50 /sf	\$418,275
Rubber Flooring at Stair Treads and Risers	9,845 sf	\$32.00 /sf	\$315,040
Rubber Tile Flooring	50,670 sf	\$15.00 /sf	\$760,050
Rubber Tile Flooring - Athletic Cleat Resistant	900 sf	\$19.00 /sf	\$17,100
Epoxy Flooring - Poured	13,450 sf	\$14.00 /sf	\$188,300
C2036.2 Terrazzo Flooring		\$2.75 / SF	\$1,044,750
Epoxy Terrazzo	29,850 sf	\$35.00 /sf	\$1,044,750
C2036.4 Masonry & Stone Flooring		\$0.59 / SF	\$223,074
Stone Thresholds at wet rooms	68 sf	\$100.00 /sf	\$6,800
Sealed Concrete	78,645 sf	\$2.75 /sf	\$216,274
C2037 Fluid-Applied Flooring		\$0.14 / SF	\$54,464
Moisture Mitigation @ Tile	6,705 sf	\$2.53 /sf	\$16,964
Paint Interior Metal Pan Stairs	25 flgt	\$1,500.00 /flgt	\$37,500
Z1082 Value Engineering		(\$0.90) / SF	(\$341,836)
Option 1 Floor Finishes (multiple materials, see VE detail)	-1 ls	\$341,836.00 /ls	(\$341,836)
C2050 CEILING FINISHES		\$11.84 / SF	\$4,505,295
C2051 Plaster & Gypsum Board Finish		\$5.92 / SF	\$2,252,765
Ceiling - GWB Soffit - Interior	7,116 sf	\$18.00 /sf	\$128,092
Ceiling - GWB Soffit - Interior, not shown	1.00 allw	\$50,000.00 /allw	\$50,000
GWB GWB Ceiling, Moisture Resistant GWB Ceiling	35,870 sf	\$14.50 /sf	\$520,115
GWB GWB Ceiling, Typical	15,310 sf	\$13.00 /sf	\$199,030
Ceiling - GWB Soffit - Interior @ Curved Media Center	426 sf	\$25.00 /sf	\$10,658
GWB GWB Sound Barrier Ceiling - 2 layers 5/8" GWB, 7/8" Metal Furring, 3.5" Ball Insulation	74,715 sf	\$18.00 /sf	\$1,344,870
C2054 Acoustical Ceiling Tiles & Panels		\$6.53 / SF	\$2,484,428
ACT-1 Acoustical Ceiling Tiles - 2 X 2 HIGH NRC ACOUSTICAL CEILING TILE	182,745 sf	\$6.50 /sf	\$1,187,843
ACT-2 Acoustical Ceiling Tiles - 2 X 2 WASHABLE ACOUSTICAL CEILING TILE FOR KITCHEN LOCATIONS	8,195 sf	\$8.50 /sf	\$69,658
ACT-4 Acoustical Ceiling Tiles - 2 X 6 HIGH NRC TEGULAR ACOUSTICAL CEILING TILE	4,520 sf	\$8.00 /sf	\$36,160
ACT-3 Acoustical Ceiling Tiles - 2 X 2 HIGH NRC TEGULAR ACOUSTICAL CEILING TILE AT ADMIN AREAS	13,390 sf	\$6.75 /sf	\$90,383
Interior Ceiling Linear Metal Ceiling W/ Woodlook, 4" Wide Plank - unit \$ adjusted per sub (VEA36)	14,480 sf	\$50.00 /sf	\$724,000
Hung Ceiling Mesh Metal Ceiling	1,935 sf	\$35.00 /sf	\$67,725
ACPCP Acoustical Preformed Ceiling Panels	2,680 sf	\$22.00 /sf	\$58,960
EAVB Aluminum Vertical Blade Ceiling System	7,490 sf	\$25.00 /sf	\$187,250
ACM Aluminum Composite Material Ceiling - Interior	595 sf	\$80.00 /sf	\$47,600
Hung Ceiling Mesh Metal Ceiling With Acrylic Panel Backing	330 sf	\$45.00 /sf	\$14,850
C2056 Painting & Staining Ceilings		\$0.58 / SF	\$219,080
Paint Painted Interior GWB - Moisture Resistant GWB Ceiling	35,870 sf	\$1.00 /sf	\$35,870
Paint Painted Interior GWB - Typical Ceilings - Latex	15,310 sf	\$1.00 /sf	\$15,310
Paint Exposed Painted Structural Steel & Metal Deck	67,160 sf	\$2.50 /sf	\$167,900
C2059 Ceiling Finish Supplementary Components		\$0.20 / SF	\$74,715

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Paint Sound Barrier Painted GWB Ceiling - CEILING OCCURRING BETWEEN STEEL GIRDERS	74,715 sf	\$1.00 /sf	\$74,715
Z1082 Value Engineering		(\$1.38) / SF	(\$525,692)
Ceiling Finishes (multiple materials, see VE detail)	-1 ls	\$525,692.00 /ls	(\$525,692)
D SERVICES	380,570 SF	\$131.32 / SF	\$49,974,645
D10 CONVEYING		\$1.17 / SF	\$444,500
D1010 ELEVATORS & LIFTS		\$1.17 / SF	\$444,500
D1010 Elevators & Lifts		\$1.08 / SF	\$409,500
Elevator, Passenger (Otis Gen2, 3,500 capacity), 2 ea	9.00 stop	\$45,500.00 /stop	\$409,500
D1017 Cab Finishes		\$0.09 / SF	\$35,000
Cab Finish Premium Allowance	1.00 ls	\$35,000.00 /ls	\$35,000
D20 PLUMBING		\$17.94 / SF	\$6,827,984
D2000 PLUMBING EQUIPMENT		\$2.84 / SF	\$1,080,283
D2000 Plumbing Equipment		\$2.84 / SF	\$1,080,283
Sub-Meters	1.00 ls	\$11,000.00 /ls	\$11,000
Circulating Pump - 140 Hot Water	1.00 ea	\$1,650.00 /ea	\$1,650
Circulating Pump - DHWH	2.00 ea	\$1,650.00 /ea	\$3,300
Circulating Pump - NPHWH	1.00 ea	\$1,650.00 /ea	\$1,650
Circulating Pump - Tempered Water	2.00 ea	\$1,650.00 /ea	\$3,300
Thermostatic Mixing Valve, 2"	5.00 ea	\$5,500.00 /ea	\$27,500
Domestic Water Booster Pump	1.00 ea	\$44,000.00 /ea	\$44,000
Backflow Preventers	1.00 ls	\$33,000.00 /ls	\$33,000
Kitchen Equipment Connections	1.00 ls	\$66,000.00 /ls	\$66,000
Science Classrom / Bio-Tech Equipment Connections	1.00 ls	\$11,000.00 /ls	\$11,000
Shop Equipment Connections	1.00 ls	\$55,000.00 /ls	\$55,000
Water Meters	1.00 ls	\$5,500.00 /ls	\$5,500
Elevator Sump Pump	2.00 ea	\$4,950.00 /ea	\$9,900
Trap Primers & Associated Piping	125 ea	\$550.00 /ea	\$68,750
Domestic Hot Water Heater - Exhaust & Breaching	4.00 ea	\$5,500.00 /ea	\$22,000
Electric Water Heaters - Point of Use	5.00 ea	\$1,100.00 /ea	\$5,500
Area Drains	8.00 ea	\$1,155.00 /ea	\$9,240
Floor Drain W/Trap	125 ea	\$950.00 /ea	\$118,750
Roof / Overflow Drains - Combo	75 ea	\$1,501.50 /ea	\$112,613
Grease Interceptor	2.00 ea	\$44,000.00 /ea	\$88,000
Local Grease Interceptor	4.00 ea	\$2,750.00 /ea	\$11,000
Gas / Oil Interceptor Shops	2.00 ea	\$22,000.00 /ea	\$44,000
Oil Separator - Elevators	2.00 ea	\$5,500.00 /ea	\$11,000
Compressed Air Hose Reels	10 ea	\$1,100.00 /ea	\$11,000
Compressed Air Outlets	70 ea	\$880.00 /ea	\$61,600
Compressed Air System - Dentistry & Boitech	2.00 ea	\$11,000.00 /ea	\$22,000
Compressed Air System - Shop Areas	2.00 ea	\$19,800.00 /ea	\$39,600
Vacuum System - Dentistry & Bio-Tech Areas	2.00 ea	\$11,000.00 /ea	\$22,000
Domestic Hot Water Heaters	4.00 ea	\$27,500.00 /ea	\$110,000

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Natural Gas Control at Kitchen Exhaust Hood	2.00 ea	\$165.00 /ea	\$330
Natural Gas Shut off Valve & Cabinet	8.00 ea	\$1,650.00 /ea	\$13,200
pH Neutralization System	2.00 ea	\$38,500.00 /ea	\$77,000
VE P01 - Stack Classrooms	-1 ls	\$50,000.00 /ls	(\$50,000)
Expansion Tank	6.00 ea	\$1,650.00 /ea	\$9,900
D2010 DOMESTIC WATER DISTRIBUTION		\$4.57 / SF	\$1,738,000
D2012 Domestic Water Piping		\$4.57 / SF	\$1,738,000
Domestic Hot & Cold Water Piping	18,000 lf	\$55.00 /lf	\$990,000
Kitchen Hot & Cold Water Piping	2,500 lf	\$44.00 /lf	\$110,000
Non-Potable / Tempered Water Piping	6,000 lf	\$44.00 /lf	\$264,000
Insulation	26,500 lf	\$11.00 /lf	\$291,500
Valves & Accessories	1.00 ls	\$82,500.00 /ls	\$82,500
D2020 SANITARY DRAINAGE		\$3.98 / SF	\$1,514,425
D2026 Sanitary Drain Piping - AG		\$3.98 / SF	\$1,514,425
Shop Waste & Vent Piping - AG / UG	1,200 lf	\$66.00 /lf	\$79,200
Sanitary Waste & Vent Piping - UG & AG	17,150 lf	\$71.50 /lf	\$1,226,225
Accessories (Floor Cleanout, Wall Cleanout,etc)	1.00 ls	\$44,000.00 /ls	\$44,000
Grease Waste & Vent Piping - UG & AG	2,500 lf	\$66.00 /lf	\$165,000
D2040 PLUMBING FIXTURES		\$1.99 / SF	\$755,931
D2043 Plumbing Fixtures		\$1.99 / SF	\$755,931
Water Closet - Wall Hung	88 ea	\$2,469.50 /ea	\$217,316
Urinal	12 ea	\$1,760.00 /ea	\$21,120
Lavatory - Wall	72 ea	\$1,573.00 /ea	\$113,256
Sink - Stainless Steel, 1 Comp	21 ea	\$1,320.00 /ea	\$27,720
Sink - Bio-Tech & Sci Classroom - Installation & Trim	72 ea	\$1,050.50 /ea	\$75,636
Sink - Dental Assit	9.00 ea	\$1,523.50 /ea	\$13,712
Sink - Health / Medical Assist	20 ea	\$1,523.50 /ea	\$30,470
Sink at Dental Chair - Installation & Trim	17 ea	\$715.00 /ea	\$12,155
Mop Sink	6.00 ea	\$1,815.00 /ea	\$10,890
Allowance for Additional Plumbing Fixtures	25 ea	\$2,750.00 /ea	\$68,750
Cosmetology Sink - Hook-ups	20 ea	\$715.00 /ea	\$14,300
Drinking Foutain - Bi-Level Electric	10 ea	\$2,310.00 /ea	\$23,100
Science Lab Equipment Connections	1.00 ls	\$5,500.00 /ls	\$5,500
Solid Surface Sink, 2 Station	2.00 ea	\$4,950.00 /ea	\$9,900
Wash Stations at Shops	6.00 ea	\$5,500.00 /ea	\$33,000
Washing Machine Box	10 ea	\$280.50 /ea	\$2,805
Shower - (Trim & Drain)	8.00 ea	\$1,688.50 /ea	\$13,508
Emergency Shower/Eyewash	24 ea	\$1,567.50 /ea	\$37,620
Emergency Eyewash	5.00 ea	\$467.50 /ea	\$2,338
Hose Bibb	20 ea	\$187.00 /ea	\$3,740
Wall Hydrant	16 ea	\$357.50 /ea	\$5,720
NG Gas Turret - Hook Up	64 ea	\$209.00 /ea	\$13,376
D2050 GENERAL SERVICE COMPRESSED - AIR		\$0.39 / SF	\$149,600
D2051 Compressed-Air Systems		\$0.39 / SF	\$149,600

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Medical Air / Compressed Air Piping	3,100 lf	\$44.00 /lf	\$136,400
Valves & Accessories	1.00 ls	\$13,200.00 /ls	\$13,200
D2070 RAIN WATER DRAINAGE		\$1.70 / SF	\$648,263
D2072 Storm Drain Piping - AG		\$1.70 / SF	\$648,263
Insulation - Storm	1,700 lf	\$16.50 /lf	\$28,050
Accessories (Floor Cleanouts, Wall Cleanouts, etc.) - Storm	1.00 ls	\$22,000.00 /ls	\$22,000
Storm / Overflow Drainage Piping	6,825 lf	\$104.50 /lf	\$713,213
VE-P-05 - delete secondary roof drainage system (includes \$10k offset add for scuppers)	-1 ls	\$115,000.00 /ls	(\$115,000)
D2080 OTHER PLUMBING SYSTEMS		\$0.08 / SF	\$29,040
D2085 Medical Gas Piping		\$0.08 / SF	\$29,040
Vacuum Piping	600 lf	\$44.00 /lf	\$26,400
Valves & Accessories	1.00 ls	\$2,640.00 /ls	\$2,640
D2090 MISC. PLUMBING SYSTEMS		\$1.37 / SF	\$523,043
D2090 Plumbing Misc Items		\$1.37 / SF	\$523,043
Admin & Expenses	380,395 sf	\$1.38 /sf	\$523,043
D3010 FACILITY FUEL SYSTEMS		\$1.02 / SF	\$389,400
D2080 Natural Gas Piping		\$1.02 / SF	\$389,400
Natural Gas Piping	4,600 lf	\$77.00 /lf	\$354,200
Valves & Accessories	1.00 ls	\$35,200.00 /ls	\$35,200
D30 HEATING, VENTILATION, & AIR CONDITIONING (HVAC)		\$59.86 / SF	\$22,782,246
D3020 HEAT GENERATING SYSTEMS		\$6.44 / SF	\$2,449,860
D3022 Heating Water Piping		\$6.44 / SF	\$2,449,860
HW Piping-Reduce per Reconcile	1.00 ls	(\$180,000.00) /ls	(\$180,000)
HW Piping-Valves & Accessories	1.00 ls	\$200,000.00 /ls	\$200,000
HW Piping 2.5"-4" Mains	7,500 lf	\$85.00 /lf	\$637,500
HW Piping 6" Mains	2,900 lf	\$210.00 /lf	\$609,000
HW Piping-Insulation	26,290 lf	\$16.00 /lf	\$420,640
HW Piping <2"	15,890 lf	\$48.00 /lf	\$762,720
D3030 COOLING GENERATING SYSTEMS		\$4.62 / SF	\$1,758,325
D3032 Chilled Water Piping		\$4.62 / SF	\$1,758,325
CHW Piping <2"	9,660 lf	\$50.00 /lf	\$483,000
CHW Piping 2.5"-4"	6,020 lf	\$95.00 /lf	\$571,900
CHW Piping 6"-8"	1,665 lf	\$250.00 /lf	\$416,250
CHW Piping-Insulation	17,345 lf	\$15.00 /lf	\$260,175
CHW Piping-reduce per reconcile	1.00 lf	(\$120,000.00) /lf	(\$120,000)
CHW Piping-Valves & Accessories	1.00 lf	\$147,000.00 /lf	\$147,000
D3040 HVAC MAJOR EQUIPMENT		\$11.08 / SF	\$4,217,227
D3040 HVAC Major Equipment		\$10.74 / SF	\$4,089,123
Glycol MU Units (HW & CHW)	2.00 ea	\$4,820.00 /ea	\$9,640
Pumps CHW Array 3-15HP	1.00 ea	\$76,640.00 /ea	\$76,640
Pumps HW Array 3-10HP	1.00 ea	\$52,640.00 /ea	\$52,640
Sundries and Valves	1.00 ea	\$75,000.00 /ea	\$75,000

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Exhaust Fan Oven	1.00 ea	\$3,820.00 /ea	\$3,820
Exhaust Fans-Paint 1000 cfm	1.00 ea	\$4,320.00 /ea	\$4,320
Exhaust Fans-Paint 10kcfm	1.00 ea	\$8,820.00 /ea	\$8,820
Exhaust Fans - Dishwasher	1.00 ea	\$3,380.00 /ea	\$3,380
Exhaust Fans - Kitchen Hoods	2.00 ea	\$5,510.00 /ea	\$11,020
Exhaust Fans - Bath & Misc	6.00 ea	\$2,460.00 /ea	\$14,760
Exhaust Fans - Cosmetology Exhaust 4kcfm	1.00 ea	\$3,130.00 /ea	\$3,130
Exhaust Fans - Elec Tech Exhaust 5kcfm	1.00 ea	\$3,130.00 /ea	\$3,130
Exhaust Fans - Laser, 3D & Dark Rm	3.00 ea	\$2,460.00 /ea	\$7,380
Exhaust Fans - Metal Exhaust 5kcfm	1.00 ea	\$3,380.00 /ea	\$3,380
Exhaust Fans - Science Lab	10 ea	\$14,700.00 /ea	\$147,000
Exhaust Fans - Science Lab - VE to reduce to 5 or 6, VE M05 (complete incl fans, duct, controls)	-1 ls	\$155,500.00 /ls	(\$155,500)
Exhaust Fans - Welding Exhaust 600 cfm	1.00 ea	\$3,380.00 /ea	\$3,380
Exhaust Fans - Welding Exhaust 6kcfm	1.00 ea	\$3,380.00 /ea	\$3,380
Condensing Boiler - Intake/Exhaust	3.00 ea	\$12,500.00 /ea	\$37,500
Condensing Boiler - 3000 MBH	3.00 ea	\$51,400.00 /ea	\$154,200
Chiller Buffer Tank	1.00 ea	\$14,400.00 /ea	\$14,400
Split Systems 2 Ton	17 ea	\$6,770.00 /ea	\$115,090
Split Systems 3 Ton	3.00 ea	\$7,720.00 /ea	\$23,160
Kitchen Makeup Air Unit MUA, Pkgd DX 18T, 4.5kcfm	1.00 ea	\$40,400.00 /ea	\$40,400
Energy Recovery Unit 1000 cfm w/ RHC	2.00 ea	\$12,640.00 /ea	\$25,280
Energy Recovery Unit 2000 cfm w/ RHC	1.00 ea	\$18,697.93 /ea	\$18,698
H&V Design to \$10/cfm Equipment cost per reconciliation	110,000 cfm	(\$6.25) /cfm	(\$687,500)
H&V-1, 17.4kcfm, SF.EF, HW Coil,EW	1.00 ea	\$301,280.00 /ea	\$301,280
H&V-2&3, 14.8kcfm, SF.EF, HW Coil,EW	2.00 ea	\$256,095.00 /ea	\$512,190
H&V-4, 20.8kcfm, SF.EF, HW Coil,EW	1.00 ea	\$357,270.00 /ea	\$357,270
H&V-5, 11.7kcfm, SF.EF, HW Coil, EW	1.00 ea	\$203,821.00 /ea	\$203,821
H&V-6, 12.1kcfm, SF.EF, HW Coil, EW	1.00 ea	\$210,566.00 /ea	\$210,566
H&V-7, 19kcfm, SF.EF, HW Coil, EW	1.00 ea	\$326,917.00 /ea	\$326,917
Heat Pump-110 ton HW/CHW w/ pumps	3.00 ea	\$331,980.00 /ea	\$995,940
HRU Design to \$12/cfm Equipment cost per reconciliation	57,000 cfm	(\$5.62) /cfm	(\$320,192)
HRU-1-3 VRF Condenser 55 ton	3.00 ea	\$66,660.00 /ea	\$199,980
HRU-1-3, 16.5kcfm, SF.EF, Dx Coil, HW Coil, EW	3.00 ea	\$298,016.00 /ea	\$894,048
HRU-4 VRF Condenser 25 ton	1.00 ea	\$30,140.00 /ea	\$30,140
HRU-4, 7.5kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$158,253.00 /ea	\$158,253
HVAC-1 VRF Condenser 30 ton	1.00 ea	\$35,640.00 /ea	\$35,640
HVAC-1, 9.5kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$198,478.00 /ea	\$198,478
HVAC-2 VRF Condenser 20 ton	1.00 ea	\$24,640.00 /ea	\$24,640
HVAC-2, 7kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$148,197.00 /ea	\$148,197
HVAC-3 VRF Condenser 20 ton	1.00 ea	\$24,640.00 /ea	\$24,640
HVAC-3, 7.2kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$152,220.00 /ea	\$152,220
HVAC-4 VRF Condenser 22 ton	1.00 ea	\$26,840.00 /ea	\$26,840
HVAC-4, 8.7kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$182,388.00 /ea	\$182,388
HVAC-5 VRF Condenser 40 ton	1.00 ea	\$50,160.00 /ea	\$50,160

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
HVAC-5, 11.7kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$236,372.00 /ea	\$236,372
HVAC-6 VRF Condenser 40 ton	1.00 ea	\$50,160.00 /ea	\$50,160
HVAC-6, 14kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$253,985.00 /ea	\$253,985
HVAC-7 VRF Condenser 15 ton	1.00 ea	\$19,140.00 /ea	\$19,140
HVAC-7, 4.8kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$103,950.00 /ea	\$103,950
HVAC-8 VRF Condenser 55 ton	1.00 ea	\$66,660.00 /ea	\$66,660
HVAC-8, 21kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$377,272.00 /ea	\$377,272
System Option 1 - Revise Air Source Heat Pumps to VRF Systems - VE-M06	-1 ls	\$2,229,000.00 /ls	(\$2,229,000)
VRF Equipment 75 tons	1.00 ls	\$225,000.00 /ls	\$225,000
VRF Selector Boxes Install	12 ea	\$910.00 /ea	\$10,920
VRF Condenser Install	12 ea	\$2,260.00 /ea	\$27,120
VRF Fan Coil Units Install	61 ea	\$2,260.00 /ea	\$137,860
Radiant Floor	1,800 sf	\$15.00 /sf	\$27,000
Humidifier Duct Mounted 12 lb/hr & piping	1.00 ea	\$13,320.00 /ea	\$13,320
VFD Fans	10 ea	\$3,940.00 /ea	\$39,400
D3041 Terminal & Package Units		\$0.34 / SF	\$128,104
Unit Heater - HW	15 ea	\$1,443.00 /ea	\$21,645
Cabinet Unit Heater (ceiling)	8.00 ea	\$2,268.00 /ea	\$18,144
Cabinet Unit Heater (floor)	15 ea	\$2,443.00 /ea	\$36,645
Radiant Floor	1,800 sf	\$12.00 /sf	\$21,600
Electric Heaters	3.00 ea	\$1,390.00 /ea	\$4,170
Radiant Panel - Curved	140 lf	\$185.00 /lf	\$25,900
D3050 FACILITY HVAC DISTRIBUTION SYSTEMS		\$24.96 / SF	\$9,498,207
D3053 HVAC Air Distribution		\$24.96 / SF	\$9,498,207
SM Coordination & Material Handling	1.00 ls	\$253,775.46 /ls	\$253,775
Weld Exhaust Connections	22 ea	\$2,286.27 /ea	\$50,298
Insulation - Fire Wrap	8,625 sf	\$21.15 /sf	\$182,439
Insulation - FRK Blanket Insulation, 1-1/2"	215,000 sf	\$4.24 /sf	\$910,710
Equipment Insulation	1.00 ls	\$22,862.65 /ls	\$22,863
Ductwork - Galvanized	413,500 lb	\$12.56 /lb	\$5,193,759
Ductwork - Stainless Steel - Fume & Paint Exhaust	10,760 lb	\$22.81 /lb	\$245,446
Ductwork - Stainless Steel Kitchen	1,250 lb	\$22.81 /lb	\$28,514
Ductwork - Black Iron - Kitchen Exhaust	11,500 lb	\$18.69 /lb	\$214,971
Ductwork - HVAC & Plbg Tech Flues	51 ea	\$8,573.50 /ea	\$437,248
Ductwork - Kiln	2.00 ea	\$11,431.33 /ea	\$22,863
Air Duct Accessories	1.00 ls	\$507,550.91 /ls	\$507,551
Sound Attenuator (HRU & HVAC Units 271kcfm total)	1.00 ls	\$129,717.60 /ls	\$129,718
Fume Extraction Arms & Duct	12 ea	\$6,287.23 /ea	\$75,447
VAV Exhaust w/o RHC	36 ea	\$954.41 /ea	\$34,359
VAV OA w/o RHC	146 ea	\$954.41 /ea	\$139,344
VAV Box w/RHC	60 ea	\$1,403.04 /ea	\$84,182
VAV FPTU w/ HW & CHW	48 ea	\$3,051.95 /ea	\$146,494
VAV FPTU w/ HW & CHW Classrooms	90 ea	\$3,051.95 /ea	\$274,676
Register, Diffusers, & Grilles	380,395 sf	\$1.43 /sf	\$543,552

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
D3060 CONTROLS & INSTRUMENTATION		\$5.64 / SF	\$2,147,817
D3061 Automatic Temperature Controls		\$5.64 / SF	\$2,147,817
ATC - BMS	380,385 sf	\$5.60 /sf	\$2,130,670
ATC - BTU meters	3.00 sf	\$5,715.66 /sf	\$17,147
ATC- Electrical Metering (delete per recociliation)	0.00 allw		\$0
D3070 SPECIAL PURPOSE HVAC SYSTEMS		\$2.08 / SF	\$790,601
D3075 Refrigerant Piping		\$1.02 / SF	\$389,808
Split System Piping	20 ea	\$7,430.36 /ea	\$148,607
VRF Piping	11,500 sf	\$4.57 /sf	\$52,584
HVAC/HRU Condensers-2 Pipe	1,100 lf	\$171.47 /lf	\$188,617
D3076 Condensate Drain Piping		\$1.05 / SF	\$400,793
Condensate Drain Piping & Insulation	7,700 lf	\$51.44 /lf	\$396,095
Condensate Drain Pumps	12 ea	\$391.47 /ea	\$4,698
D3080 SYSTEMS TESTING & BALANCING		\$0.74 / SF	\$282,647
D3080 Air & Water Balance		\$0.74 / SF	\$282,647
Testing & Balancing	380,395 sf	\$0.74 /sf	\$282,647
D3090 OTHER HVAC SYSTEMS & EQUIP		\$4.30 / SF	\$1,637,562
D3091 HVAC Misc Items		\$4.30 / SF	\$1,637,562
Rigging and Hoisting	1.00 ls	\$171,469.90 /ls	\$171,470
Project Expenses and Commissioning	1.00 ls	\$1,371,759.22 /ls	\$1,371,759
Project Expenses and Commissioning-Adjust for Reconcile and VE	1.00 ls	(\$100,000.00) /ls	(\$100,000)
Vehicle Exhaust System	2.00 ea	\$40,009.64 /ea	\$80,019
Dust Collection	1.00 allw	\$114,313.27 /allw	\$114,313
D40 FIRE PROTECTION		\$6.56 / SF	\$2,496,195
D4010 SPRINKLERS		\$5.06 / SF	\$1,926,580
D4011 Wet Sprinkler System		\$5.06 / SF	\$1,926,580
Sprinkler Distribution Piping Complete	380,395 sf	\$4.00 /sf	\$1,521,580
Sprinkler System - Paint Spray Booths	1.00 ls	\$20,000.00 /ls	\$20,000
Sprinkler Heads	3,500 ea	\$110.00 /ea	\$385,000
D4020 STANDPIPES		\$0.75 / SF	\$285,296
D4022 Standpipe & Fire Mains		\$0.75 / SF	\$285,296
Standpipes & Fire Mains	380,395 sf	\$0.75 /sf	\$285,296
D4030 FIRE PROTECTION SPECIALTIES		\$0.44 / SF	\$168,700
D4031 Fire Protection Equipment		\$0.44 / SF	\$168,700
Fire Extinguisher Cabinets - Semi-Recessed	250 ea	\$405.00 /ea	\$101,250
AED Cabinets, units, and accessories	10 ea	\$1,745.00 /ea	\$17,450
Electric Fire Pump, 1000 GPM	1.00 ea	\$45,000.00 /ea	\$45,000
Jockey Pump	1.00 ea	\$5,000.00 /ea	\$5,000
D4090 OTHER FIRE PROTECTION SYSTEMS		\$0.30 / SF	\$115,619
D4096 Fire Protection Misc Items		\$0.30 / SF	\$115,619
Coordination & Expenses	385,395 sf	\$0.30 /sf	\$115,619
D50 ELECTRICAL		\$36.49 / SF	\$13,885,490
D5020 ELECTRICAL SERVICE & DISTRIBUTION		\$19.27 / SF	\$7,332,339

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
D5023 Large Power & Distribution		\$4.22 / SF	\$1,606,533
30 KVA NEMA 1 Transformer composite unit	18 ea	\$3,200.00 /ea	\$57,600
75 KVA NEMA 1 Transformer composite unit	18 ea	\$3,940.00 /ea	\$70,920
112.5 KVA NEMA 1 Transformer composite unit	9.00 ea	\$7,190.00 /ea	\$64,710
DP 100 AMP 120/208 panel board surface mounted composite	20 ea	\$3,963.68 /ea	\$79,274
100 AMP 120/208 panel board surface mounted composite	24 ea	\$3,963.68 /ea	\$95,128
225 AMP 120/208 Panel board surface mounted composite unit	22 ea	\$5,203.68 /ea	\$114,481
400 AMP 120/208 Panel board surface mounted composite unit	11 ea	\$7,103.77 /ea	\$78,141
100AMP 277/480 Panel board surface mounted composite unit	20 ea	\$4,343.74 /ea	\$86,875
225 AMP 277/480 Panel board surface mounted composite unit	48 ea	\$5,583.74 /ea	\$268,020
250 AMP 277/480 Panel board surface mounted composite unit	3.00 ea	\$5,583.74 /ea	\$16,751
DP 225 AMP 277/480 Panel board surface mounted composite unit	16 ea	\$5,583.74 /ea	\$89,340
400 AMP 277/480 Panel board surface mounted composite unit	4.00 ea	\$9,813.77 /ea	\$39,255
DP 400 AMP 277/480 Panel board surface mounted composite unit	2.00 ea	\$9,813.77 /ea	\$19,628
600 AMP 277/480 Panel board surface mounted composite unit	5.00 ea	\$12,456.36 /ea	\$62,282
DP 600 AMP 277/480 Panel board surface mounted composite unit	4.00 ea	\$12,456.36 /ea	\$49,825
OSDP 600 AMP 277/480 Panel board surface mounted composite unit	2.00 ea	\$12,456.36 /ea	\$24,913
800 AMP 277/480 Panel board surface mounted composite unit	2.00 ea	\$15,723.17 /ea	\$31,446
1200 AMP 277/480 Panel board surface mounted composite unit	1.00 ea	\$27,943.86 /ea	\$27,944
3000 Amp Doulbe End Switchboard with tie Main	1.00 ea	\$250,000.00 /ea	\$250,000
Metering and Sub Metering Allowance	1.00 ea	\$80,000.00 /ea	\$80,000
D5024 Large Power Feeder Conduit		\$5.49 / SF	\$2,088,074
100 AMP EMT Composite feeders Copper - Large Power	1,115 lf	\$22.50 /lf	\$25,146
225 AMP EMT Composite feeders Copper - Large Power	10,730 lf	\$84.93 /lf	\$911,286
400 AMP EMT Composite feeders Copper - Large Power	3,410 lf	\$133.02 /lf	\$453,582
600 AMP EMT Composite feeders Copper - Large Power	2,590 lf	\$178.35 /lf	\$461,923
800 AMP EMT Composite feeders Copper - Large Power	850 lf	\$255.14 /lf	\$216,870
1200 AMP EMT Composite feeders Copper - Large Power	50 lf	\$385.33 /lf	\$19,267
D5025 Emergency Gen Set W/ATS		\$0.91 / SF	\$347,363
Larger Generator Pad Layout	1.00 gsf	\$3,700.00 /gsf	\$3,700
Ground Large Generator Pad	1.00 gsf	\$2,505.33 /gsf	\$2,505
Generator - Annuciator	1.00 gsf	\$3,764.71 /gsf	\$3,765
Generator - Battery Charger	1.00 gsf	\$320.00 /gsf	\$320
Emergency Diesel Generator - 675 kw	1.00 gsf	\$349,290.34 /gsf	\$349,290
Reduce Standby Capacity by 50%, VE E-15	-1 ls	\$83,000.00 /ls	(\$83,000)
Auto Transfer Switch 3P - 400a	3.00 gsf	\$6,288.00 /gsf	\$18,864
Auto Transfer Switch 3P - 600a	1.00 gsf	\$11,918.84 /gsf	\$11,919
Generator Load Bank	1.00 gsf	\$30,000.00 /gsf	\$30,000
Generator Rigging Ground	1.00 gsf	\$10,000.00 /gsf	\$10,000
D5027 Mechanical Equipment Connections		\$3.00 / SF	\$1,140,627
1200 cfm Dust Collector	1.00 ea	\$2,847.06 /ea	\$2,847

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
6000 cfm Metal Dust Collector	1.00 ea	\$2,372.55 /ea	\$2,373
Auto Collision Mechanical conneciton	19 ea	\$1,138.82 /ea	\$21,638
Auto Technology Mechanical conneciton	34 ea	\$1,138.82 /ea	\$38,720
Bio Technology Mechanical conneciton	66 ea	\$1,138.82 /ea	\$75,162
Boilers	3.00 ea	\$2,372.55 /ea	\$7,118
Cabinet Unit Heater	14 ea	\$2,372.55 /ea	\$33,216
Carpentry Mechanical conneciton	19 ea	\$1,138.82 /ea	\$21,638
Cosmotolgy Mechanical conneciton	57 ea	\$1,138.82 /ea	\$64,913
Culinary Arts Mechanical conneciton	44 ea	\$1,138.82 /ea	\$50,108
Dental Mechanical conneciton	16 ea	\$1,138.82 /ea	\$18,221
Design Visual Mechanical conneciton	8.00 ea	\$1,138.82 /ea	\$9,111
Drafting Design Mechanical conneciton	47 ea	\$1,138.82 /ea	\$53,525
Electrical Mechanical conneciton	9.00 ea	\$1,138.82 /ea	\$10,249
ERV1	1.00 ea	\$18,980.39 /ea	\$18,980
ERV2	1.00 ea	\$18,980.39 /ea	\$18,980
ERV3	1.00 ea	\$18,980.39 /ea	\$18,980
Exhaust Fan	1.00 ea	\$2,372.55 /ea	\$2,373
Exhaust Fan 5000 cfm roof	1.00 ea	\$2,847.06 /ea	\$2,847
Exhaust Fan 600 cfm	1.00 ea	\$2,372.55 /ea	\$2,373
Health Assisting Mechanical conneciton	28 ea	\$1,138.82 /ea	\$31,887
HRU1	1.00 ea	\$16,133.33 /ea	\$16,133
HRU3	1.00 ea	\$18,980.39 /ea	\$18,980
HRU4	1.00 ea	\$18,980.39 /ea	\$18,980
HV1 17400	1.00 ea	\$18,980.39 /ea	\$18,980
HV2 14800	1.00 ea	\$18,980.39 /ea	\$18,980
HV3 14800	1.00 ea	\$18,980.39 /ea	\$18,980
HV4 12000	1.00 ea	\$18,980.39 /ea	\$18,980
HV5 11700	1.00 ea	\$18,980.39 /ea	\$18,980
HV6	1.00 ea	\$18,980.39 /ea	\$18,980
HV7 19000	1.00 ea	\$18,980.39 /ea	\$18,980
HV8	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC Mechanical conneciton	46 ea	\$1,138.82 /ea	\$52,386
HVAC Overhead Drops Mechanical conneciton	11 ea	\$1,138.82 /ea	\$12,527
HVAC1	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC2	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC3	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC4	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC6	2.00 ea	\$18,980.39 /ea	\$37,961
HVAC7	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC8	1.00 ea	\$18,980.39 /ea	\$18,980
HWP 10 hp	3.00 ea	\$3,321.57 /ea	\$9,965
Inline Exhasut Fan	1.00 ea	\$2,372.55 /ea	\$2,373
Main Kitchen Mechanical conneciton	33 ea	\$1,138.82 /ea	\$37,581
MAU 1	1.00 ea	\$18,980.39 /ea	\$18,980
Medical Assiting Mechanical conneciton	18 ea	\$1,138.82 /ea	\$20,499

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Metal Fabrication Mechanical conneciton	16 ea	\$1,138.82 /ea	\$18,221
Motorized Shades Medial Center power connection	1.00 ea	\$9,490.20 /ea	\$9,490
Plumbing Mechanical conneciton	15 ea	\$1,138.82 /ea	\$17,082
Robotics Mechanical conneciton	46 ea	\$1,138.82 /ea	\$52,386
Split AC	3.00 ea	\$4,270.59 /ea	\$12,812
Unit Heater	5.00 ea	\$2,372.55 /ea	\$11,863
VRF Heat Pump	1.00 ea	\$1,423.53 /ea	\$1,424
D5029 Small Power Devices & Wiring		\$3.76 / SF	\$1,430,547
Duplex receptacle composite unit	840 ea	\$61.20 /ea	\$51,408
Jbox composite unit	22 ea	\$86.22 /ea	\$1,897
Quad receptacle composite unit	209 ea	\$86.22 /ea	\$18,020
GFI receptacle composite unit	348 ea	\$70.91 /ea	\$24,677
Auditorium	10,974 gsf	\$6.90 /gsf	\$75,671
Auto Technology	11,827 gsf	\$5.91 /gsf	\$69,903
Bank and School Store	1,036 gsf	\$4.93 /gsf	\$5,103
Biotechnology Lab	4,099 gsf	\$4.93 /gsf	\$20,189
Buisness Boiler Room	2,134 gsf	\$2.96 /gsf	\$6,306
Buisness Office Tech	514 gsf	\$4.93 /gsf	\$2,532
Cafeteria	8,690 gsf	\$3.94 /gsf	\$34,241
Career Center and workrooms	1,335 gsf	\$3.94 /gsf	\$5,260
Carpentry	9,269 gsf	\$5.91 /gsf	\$54,784
Collaborative Sapce	3,118 gsf	\$4.93 /gsf	\$15,357
Computer LABs	6,145 gsf	\$6.90 /gsf	\$42,373
Cooridoors	53,147 gsf	\$1.97 /gsf	\$104,708
Cosmetology	6,670 gsf	\$4.93 /gsf	\$32,852
Cullinary Arts	6,759 gsf	\$4.93 /gsf	\$33,291
Deigna nd Visual Com	3,654 gsf	\$4.93 /gsf	\$17,997
Dental Assisting	5,326 gsf	\$5.91 /gsf	\$31,479
Drafting and Design	1,612 gsf	\$4.93 /gsf	\$7,940
Electrical Fabrication	6,791 gsf	\$5.91 /gsf	\$40,138
Exam Room	355 gsf	\$3.94 /gsf	\$1,399
Fire Pump, Water Heater and Service Room	530 gsf	\$3.94 /gsf	\$2,088
Fitness	10,974 gsf	\$3.94 /gsf	\$43,241
Floor Box with Quad	30 ea	\$788.06 /ea	\$23,642
General Office Space	12,567 gsf	\$3.94 /gsf	\$49,518
Gym	12,809 gsf	\$2.96 /gsf	\$37,853
Health Class Room	785 gsf	\$3.94 /gsf	\$3,093
HVAC Technology	7,825 gsf	\$4.93 /gsf	\$38,541
Kitchen Servery	4,761 gsf	\$3.94 /gsf	\$18,760
Marketing	671 gsf	\$4.93 /gsf	\$3,305
Media Center	5,988 gsf	\$4.93 /gsf	\$29,493
Medicl Health Assiting Labs	9,239 gsf	\$4.93 /gsf	\$45,506
Metal Fabrication	6,791 gsf	\$5.91 /gsf	\$40,138
PLTW Engineering	2,617 gsf	\$5.91 /gsf	\$15,468
Plug Load control Computer and Open office space	1.00 ea	\$31,522.39 /ea	\$31,522

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Plumbing and Pipe Fitting	8,036 gsf	\$4.93 /gsf	\$39,580
Related Classrooms	7,598 gsf	\$3.94 /gsf	\$29,938
Restrooms	1,400 gsf	\$3.94 /gsf	\$5,516
RoboticsLab	5,048 gsf	\$5.91 /gsf	\$29,836
Scorboard Connections for Gym	2.00 ea	\$2,462.69 /ea	\$4,925
Telcom	274 gsf	\$2.96 /gsf	\$810
20 AMP EMT Composite feeders copper - Power Branch	21,000 ea	\$8.23 /ea	\$172,838
12/2 MC Cable Composite Unit Power Branch	21,000 ea	\$3.21 /ea	\$67,410
D5044 Lighting Controls & Wiring		\$1.89 / SF	\$719,195
Auditorium	10,974 gsf	\$2.96 /gsf	\$32,431
Auto Technology	11,827 gsf	\$2.96 /gsf	\$34,951
Bank and School Store	1,036 gsf	\$2.96 /gsf	\$3,062
Biotechnology Lab	4,099 gsf	\$2.96 /gsf	\$12,113
Buisness Boiler Room	2,134 gsf	\$2.96 /gsf	\$6,306
Buisness Office Tech	514 gsf	\$2.96 /gsf	\$1,519
Cafeteria	8,690 gsf	\$2.96 /gsf	\$25,681
Career Center and workrooms	1,335 gsf	\$2.96 /gsf	\$3,945
Carpentry	9,269 gsf	\$2.96 /gsf	\$27,392
Collaborative Sapce	3,118 gsf	\$2.96 /gsf	\$9,214
Computer LABs	6,145 gsf	\$2.96 /gsf	\$18,160
Cooridoors	53,147 gsf	\$2.96 /gsf	\$157,061
Cosmetology	6,670 gsf	\$2.96 /gsf	\$19,711
Cullinary Arts	6,759 gsf	\$2.96 /gsf	\$19,974
Deigna nd Visual Com	3,654 gsf	\$2.96 /gsf	\$10,798
Dental Assisting	5,326 gsf	\$2.96 /gsf	\$15,740
Drafting and Design	1,612 gsf	\$2.96 /gsf	\$4,764
Electrical Fabrication	6,791 gsf	\$2.96 /gsf	\$20,069
Exam Room	355 gsf	\$2.96 /gsf	\$1,049
Fire Pump, Water Heater and Service Room	530 gsf	\$2.96 /gsf	\$1,566
Fitness	10,974 gsf	\$2.96 /gsf	\$32,431
General Office Space	12,567 gsf	\$2.96 /gsf	\$37,138
Gym	12,809 gsf	\$2.96 /gsf	\$37,853
Health Class Room	785 gsf	\$2.96 /gsf	\$2,320
HVAC Technology	7,825 gsf	\$2.96 /gsf	\$23,125
Kitchen Servery	4,761 gsf	\$2.96 /gsf	\$14,070
Marketing	671 gsf	\$2.96 /gsf	\$1,983
Media Center	5,988 gsf	\$3.94 /gsf	\$23,595
Medicl Health Assiting Labs	9,239 gsf	\$2.96 /gsf	\$27,303
Metal Fabrication	6,791 gsf	\$2.96 /gsf	\$20,069
PLTW Engineering	2,617 gsf	\$2.96 /gsf	\$7,734
Plumbing and Pipe Fitting	8,036 gsf	\$2.96 /gsf	\$23,748
Related Classrooms	7,598 gsf	\$2.96 /gsf	\$22,454
Restrooms	1,400 gsf	\$2.96 /gsf	\$4,137
RoboticsLab	5,048 gsf	\$2.96 /gsf	\$14,918
Telcom	274 gsf	\$2.96 /gsf	\$810

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
D5040 LIGHTING		\$10.09 / SF	\$3,841,531
D5024 Large Power Feeder Conduit		\$0.23 / SF	\$87,249
250 AMP EMT Composite feeders Copper - Sports Lighting Feed	1,050 ea	\$83.09 /ea	\$87,249
D5042 Light Fixtures		\$8.98 / SF	\$3,416,023
Auditorium	10,974 gsf	\$11.82 /gsf	\$129,723
Auto Technology	11,827 gsf	\$11.82 /gsf	\$139,806
Bank and School Store	1,036 gsf	\$11.82 /gsf	\$12,246
Biotechnology Lab	4,099 gsf	\$13.79 /gsf	\$56,529
Buisness Boiler Room	2,134 gsf	\$11.82 /gsf	\$25,226
Buisness Office Tech	514 gsf	\$13.79 /gsf	\$7,089
Cafeteria	8,690 gsf	\$14.78 /gsf	\$128,404
Career Center and workrooms	1,335 gsf	\$11.82 /gsf	\$15,781
Carpentry	9,269 gsf	\$11.82 /gsf	\$109,568
Collaborative Sapce	3,118 gsf	\$13.79 /gsf	\$43,000
Computer LABs	6,145 gsf	\$13.79 /gsf	\$84,746
Cooridoors	53,147 gsf	\$11.82 /gsf	\$628,245
Cosmetology	6,670 gsf	\$11.82 /gsf	\$78,845
Cullinary Arts	6,759 gsf	\$11.82 /gsf	\$79,897
Deigna nd Visual Com	3,654 gsf	\$13.79 /gsf	\$50,392
Dental Assisting	5,326 gsf	\$13.79 /gsf	\$73,451
Drafting and Design	1,612 gsf	\$13.79 /gsf	\$22,231
Electrical Fabrication	6,791 gsf	\$11.82 /gsf	\$80,276
Exam Room	355 gsf	\$13.79 /gsf	\$4,896
Fire Pump, Water Heater and Service Room	530 gsf	\$7.88 /gsf	\$4,177
Fitness	10,974 gsf	\$11.82 /gsf	\$129,723
General Office Space	12,567 gsf	\$9.85 /gsf	\$123,794
Gym	12,809 gsf	\$7.88 /gsf	\$100,943
Health Class Room	785 gsf	\$11.82 /gsf	\$9,279
HVAC Technology	7,825 gsf	\$11.82 /gsf	\$92,499
Kitchen Served	4,761 gsf	\$11.82 /gsf	\$56,279
Marketing	671 gsf	\$11.82 /gsf	\$7,932
Media Center	5,988 gsf	\$14.78 /gsf	\$88,479
Medicl Health Assiting Labs	9,239 gsf	\$13.79 /gsf	\$127,415
Metal Fabrication	6,791 gsf	\$11.82 /gsf	\$80,276
PLTW Engineering	2,617 gsf	\$13.79 /gsf	\$36,091
Plumbing and Pipe Fitting	8,036 gsf	\$11.82 /gsf	\$94,993
Related Classrooms	7,598 gsf	\$13.79 /gsf	\$104,784
Restrooms	1,400 gsf	\$11.82 /gsf	\$16,549
RoboticsLab	5,048 gsf	\$13.79 /gsf	\$69,617
Specialty Lighting interrio or Exterior at dome/rotunda	1.00 gsf	\$24,626.87 /gsf	\$24,627
Target Reduction of lighting per VE-E10	380,000 gsf	(\$1.00) /gsf	(\$380,000)
Telcom	1.00 gsf	\$24,626.87 /gsf	\$24,627
20 AMP EMT Composite feeders copper - Lighting Branch	15,000 lf	\$8.23 /lf	\$123,456
Light Fixture LS2 LED STRIP	134 ea	\$660.00 /ea	\$88,440
Light Fixture 2x4 Recessed Troffer	1.00 ea	\$660.00 /ea	\$660

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Light Fixture LR! Recessed Lensed LED	49 ea	\$660.00 /ea	\$32,340
Light Fixture LS1 High Bay Led	59 ea	\$660.00 /ea	\$38,940
Light Fixture LS3 Led High Efficiency Linear Pendant	12 crhr	\$660.00 /crhr	\$7,920
Light Fixture LS4 Efficiency Decorative Pendant	622 ea	\$660.00 /ea	\$410,520
Light Fixture LSW! Led Exterior Sconce	9.00 ea	\$660.00 /ea	\$5,940
Light Fixture LW1 Led linear with Opal Diffuser	50 ea	\$660.00 /ea	\$33,000
Light Fixture Recessed gasketed Vandal Restraint Led	67 ea	\$660.00 /ea	\$44,220
12/2 MC Cable Composite Unit Lighting Branch	15,000 lf	\$3.21 /lf	\$48,150
D5044 Lighting Controls & Wiring		\$0.30 / SF	\$113,252
Slv switch composite unit	6.00 ea	\$56.13 /ea	\$337
SSS three single pole switches composite unit	84 ea	\$95.36 /ea	\$8,010
SOR composite unit	2.00 ea	\$122.94 /ea	\$246
Wall mounted occupancy sensor composite unit	2.00 ea	\$122.94 /ea	\$246
DS sensor composite unit	57 gsf	\$127.30 /gsf	\$7,256
OS1 Occ sensor composite unit	38 ea	\$127.30 /ea	\$4,837
OS2 occupancy sensor composite unit	142 ea	\$127.30 /ea	\$18,076
SD composite unit	44 ea	\$127.30 /ea	\$5,601
20 AMP EMT Composite feeders copper - Lighting Control Branch	6,000 lf	\$8.23 /lf	\$49,382
12/2 MC Cable Composite Unit Lighting Control Branch	6,000 lf	\$3.21 /lf	\$19,260
D5046 Theatrical Lighting		\$0.59 / SF	\$225,008
Theatrical Lighting - target 25% Reduction, VE-E03	-1 ls	\$75,000.00 /ls	(\$75,000)
Theatrical Lighting and Dimming furnished and install	1.00 ls	\$300,007.50 /ls	\$300,008
D5090 OTHER ELECTRICAL SYSTEMS		\$7.13 / SF	\$2,711,621
D5092 Clock Systems		\$0.25 / SF	\$95,946
Clock Single Face 12"(included in overall)	187 ea	\$0.00 /ea	\$0
Clock Single Face 16"(included in overall)	24 ea	\$0.00 /ea	\$0
Add Wireguards @ Select Locations(included in overall)	2.00 ea	\$0.00 /ea	\$0
LV Cabling(included in overall)	10,520 ea	\$0.00 /ea	\$0
Clock Sytem overall cost	1.00 ea	\$95,945.65 /ea	\$95,946
D5094 Grounding & Lightning Protection Sys.		\$0.66 / SF	\$250,673
Grounding & Lightning Protection System per sq/ft detailed in 13000	385,651 gsf	\$0.40 /gsf	\$154,260
Misc Grounding Requirements	385,651 gsf	\$0.25 /gsf	\$96,413
D5095 Miscellaneous Electrical Systems		\$2.90 / SF	\$1,104,810
Electrical Permit	0.00 ea		\$0
Full time Safety Coordinator	1.00 ea	\$100,000.00 /ea	\$100,000
General Foreman Non Working	1.00 ea	\$50,000.00 /ea	\$50,000
Misc Expenses	380,395 gsf	\$1.40 /gsf	\$532,553
Temp Lighting and Power	380,395 gsf	\$0.65 /gsf	\$247,257
Utility Company Backcharges by owner	1.00 excl	\$0.00 /excl	\$0
Trailers	1.00 ea	\$25,000.00 /ea	\$25,000
BIM Modeling / As Builts	1.00 ea	\$150,000.00 /ea	\$150,000
D6011 Fire Alarm System		\$3.31 / SF	\$1,260,192
Auditorium	10,974 gsf	\$2.96 /gsf	\$32,431

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Auto Technology	11,827 gsf	\$2.96 /gsf	\$34,951
Bank and School Store	1,036 gsf	\$2.96 /gsf	\$3,062
Biotechnology Lab	4,099 gsf	\$2.96 /gsf	\$12,113
Buisness Boiler Room	2,134 gsf	\$2.96 /gsf	\$6,306
Buisness Office Tech	514 gsf	\$2.96 /gsf	\$1,519
Cafeteria	8,690 gsf	\$2.96 /gsf	\$25,681
Career Center and workrooms	1,335 gsf	\$2.96 /gsf	\$3,945
Carpentry	9,269 gsf	\$2.96 /gsf	\$27,392
Collaborative Sapce	3,118 gsf	\$2.96 /gsf	\$9,214
Computer LABs	6,145 gsf	\$2.96 /gsf	\$18,160
Cooridoors	53,147 gsf	\$2.96 /gsf	\$157,061
Cosmetology	6,670 gsf	\$2.96 /gsf	\$19,711
Cullinary Arts	6,759 gsf	\$2.96 /gsf	\$19,974
Deigna nd Visual Com	3,654 gsf	\$2.96 /gsf	\$10,798
Dental Assisting	5,326 gsf	\$2.96 /gsf	\$15,740
Drafting and Design	1,612 gsf	\$2.96 /gsf	\$4,764
Electrical Fabrication	6,791 gsf	\$2.96 /gsf	\$20,069
Exam Room	355 gsf	\$2.96 /gsf	\$1,049
Fire Pump, Water Heater and Service Room	530 gsf	\$2.96 /gsf	\$1,566
Fitness	10,974 gsf	\$2.96 /gsf	\$32,431
General Office Space	12,567 gsf	\$2.96 /gsf	\$37,138
Gym	12,809 gsf	\$2.96 /gsf	\$37,853
Health Class Room	785 gsf	\$2.96 /gsf	\$2,320
HVAC Technology	7,825 gsf	\$2.96 /gsf	\$23,125
Kitchen Servery	4,761 gsf	\$2.96 /gsf	\$14,070
Marketing	671 gsf	\$2.96 /gsf	\$1,983
Media Center	5,988 gsf	\$2.96 /gsf	\$17,696
Medicl Health Assiting Labs	9,239 gsf	\$2.96 /gsf	\$27,303
Metal Fabrication	6,791 gsf	\$2.96 /gsf	\$20,069
PLTW Engineering	2,617 gsf	\$2.96 /gsf	\$7,734
Plumbing and Pipe Fitting	8,036 gsf	\$2.96 /gsf	\$23,748
Radio Master box	1.00 ea	\$8,373.13 /ea	\$8,373
Related Classrooms	7,598 gsf	\$2.96 /gsf	\$22,454
Restrooms	1,400 gsf	\$2.96 /gsf	\$4,137
RoboticsLab	5,048 gsf	\$2.96 /gsf	\$14,918
Telcom	274 gsf	\$2.96 /gsf	\$810
Vape System Allowance	1.00 gsf	\$10,000.00 /gsf	\$10,000
BDA	385,651 gsf	\$0.49 /gsf	\$189,287
Testing - Fire Alarm	1.00 ea	\$5,889.91 /ea	\$5,890
Misc Fire Alarm Undefined	137,500 gsf	\$1.96 /gsf	\$268,995
Relocate Existing Shooter Detection	1.00 gsf	\$25,000.01 /gsf	\$25,000
3/4" EMT 2#14 and 18/2 Twisted shielded composite unit	5,000 gsf	\$7.87 /gsf	\$39,350
D60 COMMUNICATIONS		\$9.30 / SF	\$3,538,230
D6010 COMMUNICATIONS & SECURITY		\$6.85 / SF	\$2,606,518
D6013 Tel/Data System		\$4.82 / SF	\$1,835,680

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Tel/data Cabling Overall Value	1.00 ea	\$1,740,000.00 /ea	\$1,740,000
Audio Visual Cabling Overall Value	1.00 ea	\$95,679.87 /ea	\$95,680
IPTV and Video on Demand(overall IPTV and Video Demand) - shift to Tech Budget VE-E07	0 excl		\$0
D6016 Surveillance CCTV System		\$0.00 / SF	\$0
CCTV Security System (See Access control)	0.00 gsf		\$0
D6017 Security Access Control		\$2.03 / SF	\$770,838
Duress Panic Alarm - delete per VE E09	0 excl		\$0
INtegrated Access Control and CCTV Surveillance System	1.00 ea	\$675,476.77 /ea	\$675,477
Intrusion Detection	1.00 ea	\$74,501.11 /ea	\$74,501
Video Intercom	1.00 ea	\$20,860.31 /ea	\$20,860
D6030 SOUND AND A/V		\$2.45 / SF	\$931,712
D6031 Audio-Video Systems		\$1.72 / SF	\$654,484
Fitness Center Audio Visual System	1.00 ea	\$15,407.19 /ea	\$15,407
Gym Audio Visual System	1.00 ea	\$113,283.58 /ea	\$113,284
Student Commons Audio Visual System	1.00 ea	\$93,582.09 /ea	\$93,582
Weights Audio Visual System	1.00 ea	\$15,215.60 /ea	\$15,216
Auditorium/Stage Audio Visual System	1.00 ea	\$194,366.98 /ea	\$194,367
Auditorium/Stage Video	1.00 ea	\$57,917.43 /ea	\$57,917
Class Room and Conference interactive Flat Panel Display(116 loc) - shift to Tech Budget per VE-E07	0 excl		\$0
Class Room Speech Reinforcement(75 loc)	1.00 ea	\$163,206.53 /ea	\$163,207
Scoreboards Exterior Connection	1.00 ea	\$1,505.10 /ea	\$1,505
D6032 Sound/PA Systems		\$0.73 / SF	\$277,228
Horn PA Speakers(included in overall)	31 ea	\$0.00 /ea	\$0
PA Speakers(included in overall)	669 ea	\$0.00 /ea	\$0
Low Voltage Wiring(included in overall)	1.00 ea	\$0.00 /ea	\$0
Public Address System(Overall)	1.00 gsf	\$277,227.77 /gsf	\$277,228
Volume Controls(included in overall)	62 ea	\$0.00 /ea	\$0
E EQUIPMENT & FURNISHINGS	380,570 SF	\$10.46 / SF	\$3,981,150
E10 EQUIPMENT		\$9.47 / SF	\$3,602,350
E1040 INSTITUTIONAL EQUIPMENT		\$0.00 / SF	\$0
E1043 Medical Equipment		\$0.00 / SF	\$0
Dental Equipment - Including chairs, Pano per F&E Estimate - Move to FFE - EQ3	0 excl		\$0
E1044.4 Educational & Scientific Equipment		\$0.00 / SF	\$0
Automotive Refinishing - Downdraft Booths/Frame	0 excl		\$0
Machine/Powder Coating Room and Oven - Move to FFE - VE EQ3			
Automotive Tech - Lifts - Per F&E Estimate - Move to FFE - VE EQ3	0 excl		\$0
E1070 ENTERTAINMENT & RECREATIONAL EQUIPMENT		\$1.77 / SF	\$675,000
E1071 Theater & Stage Equipment		\$1.77 / SF	\$675,000
Stage Curtains and Rigging - Powered rigging - Per F&E Estimate - target red from \$650k per VE-EQ2	1.00 ls	\$450,000.00 /ls	\$450,000

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Theater - Auditorium Fixed Seating	750 ea	\$300.00 /ea	\$225,000
E1090 OTHER EQUIPMENT		\$3.89 / SF	\$1,478,600
E1092 Food Service Equipment		\$3.00 / SF	\$1,140,000
Food Service Equipment (Culinary and Main Kitchen) - Per F&E Estimate (red from \$1.2, VE EQ1)	1.00 ls	\$1,140,000.00 /ls	\$1,140,000
E1095 Darkroom Equipment		\$0.00 / SF	\$0
Cosmetology - Wet Station / Manicure / Styling / Pedicure per F&E Estimate - Shift to FFE per VE-EQ3	0 excl		\$0
E1097 Athletic, Recreational, & Therapeutic Equipment		\$0.79 / SF	\$299,000
Basketball Backstops - Per F&E Estimate	1.00 ls	\$27,000.00 /ls	\$27,000
Divider Curtains - Per F&E Estimate	1.00 ls	\$32,000.00 /ls	\$32,000
Gym Wall Padding - Per F&E Estimate	1.00 ls	\$25,000.00 /ls	\$25,000
Telescoping Bleachers - Per F&E Estimate	1.00 ls	\$215,000.00 /ls	\$215,000
E1098 Residential Equipment		\$0.10 / SF	\$39,600
Rooftop Play Equipment - Per F&E Estimate	1.00 ls	\$39,600.00 /ls	\$39,600
HVAC / Plumbing Equipment - Per F&E Estimate - shift to FFE per VE-EQ3	0 excl		\$0
E2010 FIXED FURNISHINGS		\$3.81 / SF	\$1,448,750
E2013 Casework		\$3.81 / SF	\$1,448,750
Fixed Casework & Equipment per F&E Estimate - Per Reconciliation 6/15 in E10 red from \$1.525 per VE-EQ1	1.00 ls	\$1,448,750.00 /ls	\$1,448,750
E20 FURNISHINGS		\$1.00 / SF	\$378,800
E2010 FIXED FURNISHINGS		\$1.00 / SF	\$378,800
E2012 Window Treatments		\$1.00 / SF	\$378,800
Tension motorized shade required at the "dome" skylight. (Exterior)	600 sf	\$40.00 /sf	\$24,000
Vertical Blinds - Manual Operated - Administration Areas (Exterior)	1,300 sf	\$10.00 /sf	\$13,000
Roller Shades - Manual Operated - Classrooms, Science Labs, Art rooms (Exterior)	22,545 sf	\$10.00 /sf	\$225,450
Window Shades - Manual Operated - Interior	174 ea	\$150.00 /ea	\$26,100
Roller Shades - Electrically Operated - Library / Media Center (Exterior)	3,610 sf	\$25.00 /sf	\$90,250
E2013 Casework		\$0.00 / SF	\$0
Custom Millwork Admin Mailbox Slots with Base Cabinet (in F&E Estimate)	0.00 nic		\$0
Custom Millwork Bench with Solid Surface Top (in F&E Estimate)	190 lf	\$0.00 /lf	\$0
Custom Millwork Cafe Counter w/ Quartz Top (in F&E Estimate)	24 lf	\$0.00 /lf	\$0
Custom Millwork Media Center Desk with Solid Surface Top (in F&E Estimate)	45 lf	\$0.00 /lf	\$0
Custom Millwork Reception Desk with Solid Surface Top (in F&E Estimate)	62 lf	\$0.00 /lf	\$0
Custom Millwork Recycle Station @ Cafeteria (in F&E Estimate)	0.00 nic		\$0
Custom Millwork School Store (in F&E Estimate)	0.00 nic		\$0
Custom Millwork Trophy Display Cases (in F&E Estimate)	0.00 nic		\$0

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Casework - Base Cabinet (Admin) - In F&E Estimate	12 lf	\$0.00 /lf	\$0
Casework - Base Cabinet (Cafe) - In F&E Estimate	5.00 lf	\$0.00 /lf	\$0
Casework - Base Cabinet (Classroom) - In F&E Estimate	444 lf	\$0.00 /lf	\$0
Casework - Base Cabinet (Science) - In F&E Estimate	884 lf	\$0.00 /lf	\$0
Casework - Wall Cabinet (Admin) - In F&E Estimate	12 lf	\$0.00 /lf	\$0
Casework - Wall Cabinet (Classroom) - In F&E Estimate	163 lf	\$0.00 /lf	\$0
Casework - Wall Cabinet (Science) - In F&E Estimate	585 lf	\$0.00 /lf	\$0
Casework - Full Height Cabinet (Classroom) - In F&E Estimate	570 lf	\$0.00 /lf	\$0
Casework - Full Height Storage Cabinet (Science) - In F&E Estimate	65 lf	\$0.00 /lf	\$0
Casework Countertop - PLAM @ Admin (12 lf)	0.00 lf		\$0
Casework Countertop - Solid Surface @ Cafe (18 lf)	0.00 lf		\$0
Casework Countertop - Chemical Resistent @ Science (927 lf)	0.00 lf		\$0
TOTAL C3A1 MAIN BUILDING	\$354.71 / SF		\$134,992,071

C3A2 CONCESSIONS / LOCKER BUILDING

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
A SUBSTRUCTURE	6,060 SF	\$44.55 / SF	\$270,000
A10 FOUNDATIONS		\$44.55 / SF	\$270,000
A1010 STANDARD FOUNDATIONS		\$44.55 / SF	\$270,000
A1010 Standard Foundations		\$44.55 / SF	\$270,000
Standard Concrete Foundation - Complete \$/sf - Locker Building	9,000 sf	\$30.00 /sf	\$270,000
F&I Building Foundation Drainage - Perforated PVC	0.00 lf		\$0
A20 SUBGRADE ENCLOSURES		\$0.00 / SF	\$0
A2020 BASEMENT WALL CONSTRUCTION		\$0.00 / SF	\$0
A2020 Basement Wall Construction		\$0.00 / SF	\$0
Rigid Insulation @ Fndn. Walls	0.00 sf		\$0
A2022 Moisture Protection		\$0.00 / SF	\$0
Damproofing - Foundation Walls	0.00 sf		\$0
Damproofing - Foundation Walls @ Elevator Pit	0.00 sf		\$0
A40 SLABS-ON-GRADE		\$0.00 / SF	\$0
A4090 SLAB-ON-GRADE SUPPLEMENTARY COMPONENTS		\$0.00 / SF	\$0
A4096 Slab-on-Grade Supplementary Components		\$0.00 / SF	\$0
Rigid Insulation @ S.O.G.	0.00 sf		\$0
B SHELL	6,060 SF	\$171.18 / SF	\$1,037,334
B10 SUPERSTRUCTURE		\$24.81 / SF	\$150,346
B1010 FLOOR CONSTRUCTION		\$10.64 / SF	\$64,492
B1010 Floor Construction		\$6.89 / SF	\$41,782
Welded Wire Mesh - Structural Slabs (Incl. Overlap) F&I	4,996 sf	\$1.25 /sf	\$6,245
Buy & Place Slab on Deck Concrete 5.25"	74 cy	\$250.00 /cy	\$18,504
Finish Concrete - Metal Deck	4,542 sf	\$3.75 /sf	\$17,033
B1011 Floor Structural Frame		\$3.75 / SF	\$22,710
Metal Decking - Floor, 2"	4,542 sf	\$5.00 /sf	\$22,710
B1019 Floor Construction Supplementary Components		\$0.00 / SF	\$0
Cementitious Spray Fireproofing (Beams & Columns)	0.00 sf		\$0
Misc. Patching of Fireproofing	0.00 ls		\$0
Firestopping / Safing @ Building Perimeter \$/lf	0.00 lf		\$0
B1020 ROOF CONSTRUCTION		\$1.18 / SF	\$7,154
B1029 Roof Construction Supplementary Components		\$1.18 / SF	\$7,154
Rough Carpentry Roofing	4,769 sf	\$1.50 /sf	\$7,154
B1080 STAIRS		\$12.99 / SF	\$78,700
B1081 Stair Construction		\$9.82 / SF	\$59,500
Ext. Stairs - Exterior Stair to second floor deck, incl. rail, 28 risers and 1 landing, 1 location	1.00 flgt	\$30,000.00 /flgt	\$30,000
Stairs - Concrete In Steel Pan Stairs	1.00 flgt	\$7,500.00 /flgt	\$7,500
Stairs - Steel Pan w/ Rails - Typical Shaft Stair, 1 locations	1.00 flgt	\$22,000.00 /flgt	\$22,000
B2017 Balcony Walls & Railings		\$3.17 / SF	\$19,200
Railing Exterior Guardrail at Roof Patio Edge	120 lf	\$160.00 /lf	\$19,200

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
B20 EXTERIOR VERTICAL ENCLOSURES		\$125.62 / SF	\$761,255
B2010 EXTERIOR WALLS		\$92.60 / SF	\$561,130
B2011 Exterior Wall Veneer		\$33.82 / SF	\$204,975
Exterior CMU - CMU Veneer	4,005 sf	\$35.00 /sf	\$140,175
Metal Panel Flat-Lock Metal Tiles	585 sf	\$80.00 /sf	\$46,800
Exterior Enclosure Painting, Staining & Transparent Finishing	200 mhr	\$90.00 /mhr	\$18,000
B2012 Exterior Wall Construction		\$57.32 / SF	\$347,343
Exterior CMU - 8" CMU	5,000 sf	\$35.00 /sf	\$175,000
Exterior Wall Backup Wall CMU - AVG Backup Wall Assembly (6" CMU, Insul, Int. Gyp Bd - NO AVB)	5,000 sf	\$22.50 /sf	\$112,500
Stabilizer Clips-Galv. @ Exterior Masonry Walls	4,005 sf	\$1.00 /sf	\$4,005
Blocking @ Exterior Wall Mounted Railing \$/lf	120 lf	\$10.00 /lf	\$1,200
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	7,050 sfwa	\$7.00 /sfwa	\$49,350
Caulking and Sealants, Exterior - Total enclosure SF	7,050 sfwa	\$0.75 /sfwa	\$5,288
B2018 Exterior Wall Supplementary Components		\$1.45 / SF	\$8,813
Sheet Metal Flashing & Trim Complete \$/sf	7,050 sfwa	\$1.25 /sfwa	\$8,813
B2020 EXTERIOR WINDOWS		\$27.39 / SF	\$166,000
B2023 Exterior Window Wall Storefronts		\$27.39 / SF	\$166,000
Storefront Insulating Glass in Aluminum Storefront System	1,660 sf	\$100.00 /sf	\$166,000
B2050 EXTERIOR DOORS & GRILLES		\$5.63 / SF	\$34,125
B2051 Exterior Entrance Doors		\$2.95 / SF	\$17,900
Glass & Alum Doors - Double Exterior - Incl. Door, Frame, and Hardware	1.00 ea	\$8,800.00 /ea	\$8,800
Glass & Alum Doors - Single Exterior - Incl. Door, Frame, and Hardware	2.00 ea	\$4,400.00 /ea	\$8,800
Paint Exterior - Doors	3.00 ea	\$100.00 /ea	\$300
B2053.4 Overhead & Roll Up Doors		\$2.68 / SF	\$16,225
Door Insulated Overhead Coiling Door, Motor Operated, 3 each	295 sf	\$55.00 /sf	\$16,225
B30 EXTERIOR HORIZONTAL ENCLOSURES		\$20.75 / SF	\$125,733
B3010 ROOFING		\$18.27 / SF	\$110,733
B3012 Low Slope Membrane Systems		\$14.17 / SF	\$85,845
Roof System B - PVC Single Ply Membrane w/ 6-1/2" Insulation	4,769 sf	\$18.00 /sf	\$85,845
B3013 Roof Insulation & Fill		\$0.00 / SF	\$0
Tapered Roof Insulation - Premium, assume not required	0.00 nic		\$0
B3014.2 Flashings & Trim		\$3.63 / SF	\$22,000
Patch and Seal Roof Penetrations	1.00 ls	\$10,000.00 /ls	\$10,000
Roof Edge Fascia	400 lf	\$30.00 /lf	\$12,000
B3014.4 Gutters & Downspouts		\$0.48 / SF	\$2,888
Gutters, not shown assume required	122 lf	\$20.00 /lf	\$2,448
Downspouts, not shown assume required	29 lf	\$15.00 /lf	\$440
B3020 ROOF APPURTENANCES		\$2.48 / SF	\$15,000
B3020 Roof Appurtenances		\$2.48 / SF	\$15,000
Roof Access Hatch, assume required	1.00 ea	\$10,000.00 /ea	\$10,000

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Roofing Pavers/Walkways - Membrane, not shown	1.00 allw	\$5,000.00 /allw	\$5,000
C INTERIORS	6,060 SF	\$121.27 / SF	\$734,893
C10 INTERIOR CONSTRUCTION		\$68.70 / SF	\$416,314
C1010 INTERIOR PARTITIONS		\$43.79 / SF	\$265,346
C1011 Interior Fixed Partitions		\$43.79 / SF	\$265,346
Interior CMU - 8"	8,121 sf	\$26.00 /sf	\$211,150
Interior CMU - 8" (Elevator Shaft)	1,403 sf	\$30.00 /sf	\$42,076
Interior Rough Carpentry	6,060 sf	\$2.00 /sf	\$12,120
C1030 INTERIOR DOORS		\$6.74 / SF	\$40,866
C1031.4 Standard Interior Doors		\$4.25 / SF	\$25,760
Install Interior Doors and Frames	18 leaf	\$270.00 /leaf	\$4,860
Frame Hollow Metal - Interior - Single	14 ea	\$450.00 /ea	\$6,300
Frame Hollow Metal - Interior - Double	2.00 ea	\$500.00 /ea	\$1,000
Door Hollow Metal Door - Interior - Single	14 leaf	\$510.00 /leaf	\$7,140
Door Hollow Metal Door - Interior - Double	2.00 pair	\$1,020.00 /pair	\$2,040
Hardware Interior Door Hardware Per Leaf	18 leaf	\$90.00 /leaf	\$1,620
Paint Paint Interior Doors	18 leaf	\$100.00 /leaf	\$1,800
Paint Interior - Doors	10 ea	\$100.00 /ea	\$1,000
C1034 Interior Coiling Doors		\$1.73 / SF	\$10,500
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$10,500.00 /ls	\$10,500
C1039 Interior Door Supplementary Components		\$0.76 / SF	\$4,606
Misc. Interior Caulking - General	6,060 sf	\$0.76 /sf	\$4,606
C1090 INTERIOR SPECIALTIES		\$18.17 / SF	\$110,102
C1092.2 Compartments & Cubicles		\$0.50 / SF	\$3,000
Toilet Compartment - Plastic Laminate - Handicapped	2.00 stall	\$1,500.00 /stall	\$3,000
C1092.4 Toilet, Bath, & Laundry Accessories		\$2.08 / SF	\$12,625
Toilet Accessories - Unload / Store / Categorize	35 mhr	\$90.00 /mhr	\$3,150
Toilet Accessories - Distribute / Install	35 mhr	\$90.00 /mhr	\$3,150
Restroom Soap: Soap Dispenser, Wall Mtd.	5.00 ea	\$80.00 /ea	\$400
Restroom Paper Towel Dispenser & Trash, Semi Recessed	5.00 ea	\$205.00 /ea	\$1,025
Restroom Toilet Paper Dispenser, Wall Mtd.	5.00 ea	\$100.00 /ea	\$500
Restroom Sanitary Napkin Disposal, Recessed	5.00 ea	\$75.00 /ea	\$375
Restroom Soap: Shampoo Dispenser, Shower Wall Mtd.	4.00 ea	\$90.00 /ea	\$360
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	5.00 ea	\$43.00 /ea	\$215
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	5.00 ea	\$45.00 /ea	\$225
Restroom Grab Bar: 60" "L" Shaped, Shower, Curved, Wall Mtd.	4.00 ea	\$115.00 /ea	\$460
Restroom Baby Changing Station; Wall Mtd.	1.00 ea	\$220.00 /ea	\$220
Restroom Mirror: Single Mirror: Framed Mirror Unit	5.00 ea	\$165.00 /ea	\$825
Restroom Shower curtain and rod, typ. shower unit	4.00 ea	\$80.00 /ea	\$320
Restroom Shower Seat @ ADA shower units	4.00 ea	\$230.00 /ea	\$920
Janitor Shelf: S.S. Utility Shelf w/ Mop and Broom Holders	1.00 ea	\$155.00 /ea	\$155
Janitor Shelf: SS Shelf 8" D x 24" W	1.00 ea	\$65.00 /ea	\$65
Restroom Hook: Coat Hook, Stall Wall Mtd.	13 ea	\$20.00 /ea	\$260

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
C1093 Wall & Door Protection		\$0.74 / SF	\$4,500
Wall & Door Protection Complete \$/sf, including corner guards	9,000 gsf	\$0.50 /gsf	\$4,500
C1093.2 Information Specialties		\$2.60 / SF	\$15,755
White / Marker Boards - Medium 4' x 6'	4.00 ea	\$750.00 /ea	\$3,000
Corkboards / Tack Boards - Small 4' x 4'	2.00 ea	\$900.00 /ea	\$1,800
Signage Dedication Plaques Allowance - Interior	1.00 allw	\$2,000.00 /allw	\$2,000
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$2,000.00 /ls	\$2,000
Signage Room Identification Signs - Interior	23 ea	\$85.00 /ea	\$1,955
Signage Branding and Graphics Allowance - Interior, including large format wall murals and panels.	1.00 allw	\$5,000.00 /allw	\$5,000
C1097 Storage Specialties		\$11.13 / SF	\$67,472
Lockers Team Lockers: Single tier 2' w x 18" d welded locker on conc. base	142 ea	\$450.00 /ea	\$63,900
Locker Benches	55 lf	\$65.00 /lf	\$3,572
Storage Wall Shelving - Metal (In F&E Estimate)	0.00 lf		\$0
C1099 Other Interior Specialties		\$1.11 / SF	\$6,750
Misc. Metals and Supports	9,000 gsf	\$0.75 /gsf	\$6,750
C20 INTERIOR FINISHES		\$52.57 / SF	\$318,579
C2010 WALL FINISHES		\$22.19 / SF	\$134,447
C2013.4 Wall Coverings		\$2.00 / SF	\$12,120
Interior Misc. Millwork not shown	6,060 sf	\$2.00 /sf	\$12,120
C2014 Tile & Terrazzo Wall Finishes		\$7.43 / SF	\$45,019
Ceramic Wall Tile	2,046 sf	\$22.00 /sf	\$45,019
C2017 Wall Painting & Coating		\$11.26 / SF	\$68,228
Paint Interior Walls - Epoxy	18,065 sf	\$3.50 /sf	\$63,228
Misc. Interior Painting	1.00 allw	\$5,000.00 /allw	\$5,000
C2019 Wall Finish Supplementary Components		\$1.50 / SF	\$9,080
Interior Window Sills @ Exterior - Solid Surface	130 lf	\$70.00 /lf	\$9,080
C2030 FLOORING		\$16.22 / SF	\$98,296
C2032.2 Tile Flooring		\$1.93 / SF	\$11,681
Ceramic Floor Tile	584 sf	\$20.00 /sf	\$11,681
C2035 Resilient Flooring		\$14.21 / SF	\$86,115
Epoxy Flooring - Poured	6,499 sf	\$13.25 /sf	\$86,115
C2036.4 Masonry & Stone Flooring		\$0.08 / SF	\$500
Stone Thresholds at wet rooms	5.00 sf	\$100.00 /sf	\$500
C2050 CEILING FINISHES		\$14.16 / SF	\$85,837
C2051 Plaster & Gypsum Board Finish		\$12.15 / SF	\$73,608
GWB GWB Ceiling, Typical	4,907 sf	\$15.00 /sf	\$73,608
C2056 Painting & Staining Ceilings		\$2.02 / SF	\$12,228
Paint Painted Interior GWB - Typical Ceilings - Latex	4,674 sf	\$1.00 /sf	\$4,674
Paint Exposed Painted Structural Steel & Metal Deck	2,158 sf	\$3.50 /sf	\$7,555
D SERVICES	6,060 SF	\$159.83 / SF	\$968,587

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
D10 CONVEYING		\$15.02 / SF	\$91,000
D1010 ELEVATORS & LIFTS		\$15.02 / SF	\$91,000
D1010 Elevators & Lifts		\$15.02 / SF	\$91,000
Elevator, Passenger (Otis Gen2, 3,500 capacity), 2 ea	2.00 stop	\$45,500.00 /stop	\$91,000
D20 PLUMBING		\$20.33 / SF	\$123,191
D2000 PLUMBING EQUIPMENT		\$5.83 / SF	\$35,350
D2000 Plumbing Equipment		\$5.83 / SF	\$35,350
Water Meter 4"	1.00 ea	\$3,000.00 /ea	\$3,000
Circulating Pump - DHWH	1.00 ea	\$800.00 /ea	\$800
Thermostatic Mixing Valve, 2"	1.00 ea	\$2,500.00 /ea	\$2,500
Backflow Preventer (RP) 4"	1.00 ea	\$5,000.00 /ea	\$5,000
Floor Drain W/Trap	7.00 ea	\$950.00 /ea	\$6,650
Elevator Sump Pump	1.00 ea	\$2,000.00 /ea	\$2,000
Gas / Oil Interceptor	1.00 ea	\$7,500.00 /ea	\$7,500
Oil Interceptor	1.00 ea	\$4,000.00 /ea	\$4,000
Electric Water Heater	1.00 ea	\$3,000.00 /ea	\$3,000
Expansion Tank	1.00 ea	\$900.00 /ea	\$900
D2010 DOMESTIC WATER DISTRIBUTION		\$3.87 / SF	\$23,430
D2012 Domestic Water Piping		\$3.87 / SF	\$23,430
Domestic Hot & Cold Water Piping	400 lf	\$44.00 /lf	\$17,600
Insulation	400 lf	\$11.00 /lf	\$4,400
Valves & Accessories	1.00 ls	\$1,430.00 /ls	\$1,430
D2020 SANITARY DRAINAGE		\$4.08 / SF	\$24,750
D2026 Sanitary Drain Piping - AG		\$4.08 / SF	\$24,750
Sanitary Waste & Vent Piping - UG & AG	450 lf	\$55.00 /lf	\$24,750
D2040 PLUMBING FIXTURES		\$4.93 / SF	\$29,871
D2043 Plumbing Fixtures		\$4.93 / SF	\$29,871
Water Closet - Wall Hung	5.00 ea	\$2,469.50 /ea	\$12,348
Lavatory - Wall	5.00 ea	\$1,573.00 /ea	\$7,865
Mop Sink	1.00 ea	\$1,815.00 /ea	\$1,815
Shower - (Trim & Drain)	4.00 ea	\$1,688.50 /ea	\$6,754
Hose Bibb	2.00 ea	\$187.00 /ea	\$374
Wall Hydrant	2.00 ea	\$357.50 /ea	\$715
D2090 MISC. PLUMBING SYSTEMS		\$1.62 / SF	\$9,791
D2090 Plumbing Misc Items		\$1.62 / SF	\$9,791
Admin & Expenses	9,369 sf	\$1.05 /sf	\$9,791
D30 HEATING, VENTILATION, & AIR CONDITIONING (HVAC)		\$66.83 / SF	\$405,000
D3090 OTHER HVAC SYSTEMS & EQUIP		\$66.83 / SF	\$405,000
D3091 HVAC Misc Items		\$66.83 / SF	\$405,000
HVAC Concessions/Locker	9,000 sf	\$45.00 /sf	\$405,000
D40 FIRE PROTECTION		\$8.97 / SF	\$54,385
D4010 SPRINKLERS		\$7.73 / SF	\$46,845
D4011 Wet Sprinkler System		\$7.73 / SF	\$46,845

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Wet Sprinkler System	9,369 sf	\$5.00 /sf	\$46,845
D4030 FIRE PROTECTION SPECIALTIES		\$1.24 / SF	\$7,540
D4031 Fire Protection Equipment		\$1.24 / SF	\$7,540
Fire Extinguisher Cabinets - Semi-Recessed	10 ea	\$405.00 /ea	\$4,050
AED Cabinets, units, and accessories	2.00 ea	\$1,745.00 /ea	\$3,490
D50 ELECTRICAL		\$39.13 / SF	\$237,118
D5020 ELECTRICAL SERVICE & DISTRIBUTION		\$23.01 / SF	\$139,461
D5021 Medium Voltage Conduit and Cabling		\$2.49 / SF	\$15,087
Ground Transformer Pads	1.00 ea	\$2,487.78 /ea	\$2,488
Layout Transformer Pads	1.00 ea	\$2,487.78 /ea	\$2,488
(1) 4" Empty PVC Conduit with pull string composite unit Fire Alarm	188 lf	\$16.26 /lf	\$3,057
(1) 4" Empty PVC Conduit with pull string composite unit Telcom	188 lf	\$16.26 /lf	\$3,057
(2) 4" Empty PVC Conduit with pull string composite unit Spares	110 lf	\$36.34 /lf	\$3,998
D5022 Medium Voltage Switchgear and Panelboard		\$0.87 / SF	\$5,300
Transformers - 15kv 3Ph 75 kva	1.00 ea	\$5,300.00 /ea	\$5,300
D5023 Large Power & Distribution		\$1.86 / SF	\$11,243
Large Power and Distribution	9,369 gsf	\$1.20 /gsf	\$11,243
D5024 Large Power Feeder Conduit		\$6.64 / SF	\$40,227
Large Power Feeder Conduit	9,369 gsf	\$0.48 /gsf	\$4,469
1200 AMP EMT Composite feeders Copper - Large Power	84 lf	\$425.69 /lf	\$35,758
D5025 Emergency Gen Set W/ATS		\$0.77 / SF	\$4,683
Emergency Feeders	9,369 gsf	\$0.50 /gsf	\$4,683
D5027 Mechanical Equipment Connections		\$3.02 / SF	\$18,322
Mechanical Connections	9,369 gsf	\$1.96 /gsf	\$18,322
D5029 Small Power Devices & Wiring		\$4.40 / SF	\$26,679
Small Power Devices and Wiring	9,369 gsf	\$2.85 /gsf	\$26,679
D6013 Tel/Data System		\$2.96 / SF	\$17,921
Tel/data	9,369 gsf	\$1.91 /gsf	\$17,921
D5040 LIGHTING		\$11.76 / SF	\$71,281
D5042 Light Fixtures		\$10.66 / SF	\$64,604
Lighting Fixtures and Wiring	9,369 gsf	\$6.90 /gsf	\$64,604
D5044 Lighting Controls & Wiring		\$1.10 / SF	\$6,677
Lighting Control	9,369 gsf	\$0.71 /gsf	\$6,677
D5090 OTHER ELECTRICAL SYSTEMS		\$4.35 / SF	\$26,377
D5094 Grounding & Lightning Protection Sys.		\$0.28 / SF	\$1,712
Gronding	7,200 gsf	\$0.24 /gsf	\$1,712
D5095 Miscellaneous Electrical Systems		\$4.07 / SF	\$24,664
Mis Expenses	9,369 gsf	\$1.88 /gsf	\$17,638
Temp Lighting and Power	9,369 gsf	\$0.75 /gsf	\$7,027
D60 COMMUNICATIONS		\$9.55 / SF	\$57,893
D6010 COMMUNICATIONS & SECURITY		\$6.03 / SF	\$36,569
D6011 Fire Alarm System		\$3.04 / SF	\$18,394

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Fire Alarm	9,369 gsf	\$1.96 /gsf	\$18,394
D6016 Surveillance CCTV System		\$1.54 / SF	\$9,303
Surveillance CCTV	9,369 ea	\$0.99 /ea	\$9,303
D6017 Security Access Control		\$1.46 / SF	\$8,872
Security Access and Control	9,369 gsf	\$0.95 /gsf	\$8,872
D6020 VOICE COMMUNICATIONS		\$2.96 / SF	\$17,919
D5032 Communications & Security		\$2.96 / SF	\$17,919
Communication and Security	9,369 gsf	\$1.91 /gsf	\$17,919
D6030 SOUND AND A/V		\$0.56 / SF	\$3,404
D6032 Sound/PA Systems		\$0.56 / SF	\$3,404
Sound and PA	7,200 gsf	\$0.47 /gsf	\$3,404
E EQUIPMENT & FURNISHINGS	6,060 SF	\$4.11 / SF	\$24,900
E20 FURNISHINGS		\$4.11 / SF	\$24,900
E2010 FIXED FURNISHINGS		\$4.11 / SF	\$24,900
E2012 Window Treatments		\$4.11 / SF	\$24,900
Roller Shades - Manual Operated - At Storefront (Exterior)	1,660 sf	\$15.00 /sf	\$24,900
Z GENERAL	6,060 SF	(\$135.80) / SF	(\$822,962)
Z10 GENERAL REQUIREMENTS		(\$135.80) / SF	(\$822,962)
Z1080 VALUE ENGINEERING / ALTERNATES		(\$135.80) / SF	(\$822,962)
Z1082 Value Engineering		(\$135.80) / SF	(\$822,962)
VE Item No. G01 - reduce size of Locker Rm to 6,000 gsf	-1 ls	\$822,962.00 /ls	(\$822,962)
TOTAL C3A2 CONCESSIONS / LOCKER BUILDING		\$365.14 / SF	\$2,212,752

C3A3 MAINTENANCE BUILDING

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
A SUBSTRUCTURE	2,040 SF	\$40.00 / SF	\$81,600
A10 FOUNDATIONS		\$40.00 / SF	\$81,600
A1010 STANDARD FOUNDATIONS		\$40.00 / SF	\$81,600
A1010 Standard Foundations		\$40.00 / SF	\$81,600
Standard Concrete Foundation - Complete \$/sf - Maintenance Building	2,040 sf	\$40.00 /sf	\$81,600
F&I Building Foundation Drainage - Perforated PVC	0.00 lf		\$0
A20 SUBGRADE ENCLOSURES		\$0.00 / SF	\$0
A2020 BASEMENT WALL CONSTRUCTION		\$0.00 / SF	\$0
A2020 Basement Wall Construction		\$0.00 / SF	\$0
Rigid Insulation @ Fndn. Walls	0.00 sf		\$0
A2022 Moisture Protection		\$0.00 / SF	\$0
Damproofing - Foundation Walls	0.00 sf		\$0
A40 SLABS-ON-GRADE		\$0.00 / SF	\$0
A4010 STANDARD SLABS-ON-GRADE		\$0.00 / SF	\$0
A4010 Standard Slabs-on-Grade		\$0.00 / SF	\$0
Vapor Barrier @ SOG Elevator Pit	0.00 sf		\$0
Waterproof SOG - Vapor Barrier	0.00 sf		\$0
A4090 SLAB-ON-GRADE SUPPLEMENTARY COMPONENTS		\$0.00 / SF	\$0
A4096 Slab-on-Grade Supplementary Components		\$0.00 / SF	\$0
Rigid Insulation @ S.O.G.	0.00 sf		\$0
B SHELL	2,040 SF	\$99.62 / SF	\$203,217
B10 SUPERSTRUCTURE		\$1.56 / SF	\$3,185
B1010 FLOOR CONSTRUCTION		\$0.00 / SF	\$0
B1019 Floor Construction Supplementary Components		\$0.00 / SF	\$0
Cementitious Spray Fireproofing (Beams & Columns)	0.00 sf		\$0
Firestopping / Safing @ Building Perimeter \$/lf	0.00 lf		\$0
B1020 ROOF CONSTRUCTION		\$1.56 / SF	\$3,185
B1029 Roof Construction Supplementary Components		\$1.56 / SF	\$3,185
Rough Carpentry Roofing	2,123 sf	\$1.50 /sf	\$3,185
B20 EXTERIOR VERTICAL ENCLOSURES		\$93.11 / SF	\$189,945
B2010 EXTERIOR WALLS		\$71.41 / SF	\$145,670
B2011 Exterior Wall Veneer		\$61.24 / SF	\$124,925
Exterior CMU - CMU Veneer	495 sf	\$35.00 /sf	\$17,325
Siding Metal Building Siding	1,600 sf	\$65.00 /sf	\$104,000
Exterior Enclosure Painting, Staining & Transparent Finishing	40 mhr	\$90.00 /mhr	\$3,600
B2012 Exterior Wall Construction		\$8.79 / SF	\$17,933
Stabilizer Clips-Galv. @ Exterior Masonry Walls	495 sf	\$1.00 /sf	\$495
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	2,250 sfwa	\$7.00 /sfwa	\$15,750
Caulking and Sealants, Exterior - Total enclosure SF	2,250 sfwa	\$0.75 /sfwa	\$1,688
B2018 Exterior Wall Supplementary Components		\$1.38 / SF	\$2,813

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Sheet Metal Flashing & Trim Complete \$/sf	2,250 sfwa	\$1.25 /sfwa	\$2,813
B2050 EXTERIOR DOORS & GRILLES		\$21.70 / SF	\$44,275
B2051 Exterior Entrance Doors		\$3.58 / SF	\$7,300
Door HM Single Exterior - Incl. Door, Frame, and Hardware	2.00 ea	\$3,500.00 /ea	\$7,000
Paint Exterior - Doors	3.00 ea	\$100.00 /ea	\$300
B2053.4 Overhead & Roll Up Doors		\$18.13 / SF	\$36,975
Door Motor Operated Overhead Door w/ Insulating Glass - Typ., 3 ea	435 sf	\$85.00 /sf	\$36,975
B30 EXTERIOR HORIZONTAL ENCLOSURES		\$4.94 / SF	\$10,088
B3010 ROOFING		\$4.94 / SF	\$10,088
B3012 Low Slope Membrane Systems		\$0.00 / SF	\$0
Roof System, assume provided by Pre-Engineered Building	2,123 sf	\$0.00 /sf	\$0
B3013 Roof Insulation & Fill		\$0.00 / SF	\$0
Tapered Roof Insulation - Premium, assume not required	0.00 nic		\$0
B3014.2 Flashings & Trim		\$4.12 / SF	\$8,400
Trim Metal Building Roof & Corner Trim	280 lf	\$30.00 /lf	\$8,400
B3014.4 Gutters & Downspouts		\$0.83 / SF	\$1,688
Gutters, not shown assume required	60 lf	\$20.00 /lf	\$1,205
Downspouts, not shown assume required	32 lf	\$15.00 /lf	\$483
C INTERIORS	2,040 SF	\$18.46 / SF	\$37,658
C10 INTERIOR CONSTRUCTION		\$11.15 / SF	\$22,748
C1010 INTERIOR PARTITIONS		\$2.00 / SF	\$4,080
C1011 Interior Fixed Partitions		\$2.00 / SF	\$4,080
Interior Rough Carpentry	2,040 sf	\$2.00 /sf	\$4,080
C1030 INTERIOR DOORS		\$6.62 / SF	\$13,495
C1031.4 Standard Interior Doors		\$0.71 / SF	\$1,445
Install Interior Doors and Frames	1.00 leaf	\$270.00 /leaf	\$270
Frame Hollow Metal - Interior - Single	1.00 ea	\$450.00 /ea	\$450
Door Wood Door - Interior - Single	1.00 leaf	\$535.00 /leaf	\$535
Hardware Interior Door Hardware Per Leaf	1.00 leaf	\$90.00 /leaf	\$90
Paint Paint Interior Doors	1.00 leaf	\$100.00 /leaf	\$100
C1034 Interior Coiling Doors		\$5.15 / SF	\$10,500
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$10,500.00 /ls	\$10,500
C1039 Interior Door Supplementary Components		\$0.76 / SF	\$1,550
Misc. Interior Caulking - General	2,040 sf	\$0.76 /sf	\$1,550
C1090 INTERIOR SPECIALTIES		\$2.54 / SF	\$5,173
C1092.4 Toilet, Bath, & Laundry Accessories		\$0.71 / SF	\$1,453
Toilet Accessories - Unload / Store / Categorize	4.00 mhr	\$90.00 /mhr	\$360
Toilet Accessories - Distribute / Install	4.00 mhr	\$90.00 /mhr	\$360
Restroom Soap: Soap Dispenser, Wall Mtd.	1.00 ea	\$80.00 /ea	\$80
Restroom Paper Towel Dispenser & Trash, Semi Recessed	1.00 ea	\$205.00 /ea	\$205
Restroom Toilet Paper Dispenser, Wall Mtd.	1.00 ea	\$100.00 /ea	\$100

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Restroom Sanitary Napkin Disposal, Recessed	1.00 ea	\$75.00 /ea	\$75
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	1.00 ea	\$43.00 /ea	\$43
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	1.00 ea	\$45.00 /ea	\$45
Restroom Mirror: Single Mirror: Framed Mirror Unit	1.00 ea	\$165.00 /ea	\$165
Restroom Hook: Coat Hook, Stall Wall Mtd.	1.00 ea	\$20.00 /ea	\$20
C1093 Wall & Door Protection		\$0.50 / SF	\$1,020
Wall & Door Protection Complete \$/sf, including corner guards	2,040 gsf	\$0.50 /gsf	\$1,020
C1093.2 Information Specialties		\$0.57 / SF	\$1,170
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$1,000.00 /ls	\$1,000
Signage Room Identification Signs - Interior	2.00 ea	\$85.00 /ea	\$170
C1099 Other Interior Specialties		\$0.75 / SF	\$1,530
Misc. Metals and Supports	2,040 gsf	\$0.75 /gsf	\$1,530
C20 INTERIOR FINISHES		\$7.31 / SF	\$14,910
C2010 WALL FINISHES		\$7.31 / SF	\$14,910
C2017 Wall Painting & Coating		\$7.31 / SF	\$14,910
Paint Interior Walls - Epoxy	2,831 sf	\$3.50 /sf	\$9,910
Misc. Interior Painting	1.00 allw	\$5,000.00 /allw	\$5,000
D SERVICES	2,040 SF	\$154.37 / SF	\$314,924
D20 PLUMBING		\$15.32 / SF	\$31,251
D2000 PLUMBING EQUIPMENT		\$4.15 / SF	\$8,470
D2000 Plumbing Equipment		\$4.15 / SF	\$8,470
Water Meter 1-½"	1.00 ea	\$1,100.00 /ea	\$1,100
Backflow Preventer (RP) 1-¼"	1.00 ea	\$1,320.00 /ea	\$1,320
Gas / Oil Interceptor	1.00 ea	\$5,500.00 /ea	\$5,500
Point of Use Elec Water Heater	1.00 ea	\$550.00 /ea	\$550
D2010 DOMESTIC WATER DISTRIBUTION		\$3.77 / SF	\$7,700
D2012 Domestic Water Piping		\$3.77 / SF	\$7,700
Domestic Hot & Cold Water Piping	100 lf	\$44.00 /lf	\$4,400
Insulation	100 lf	\$11.00 /lf	\$1,100
Valves & Accessories	1.00 ls	\$2,200.00 /ls	\$2,200
D2020 SANITARY DRAINAGE		\$4.04 / SF	\$8,250
D2026 Sanitary Drain Piping - AG		\$4.04 / SF	\$8,250
Sanitary Waste & Vent Piping - UG & AG	150 lf	\$55.00 /lf	\$8,250
D2040 PLUMBING FIXTURES		\$2.25 / SF	\$4,587
D2043 Plumbing Fixtures		\$2.25 / SF	\$4,587
Water Closet - Wall Hung	1.00 ea	\$2,469.50 /ea	\$2,470
Lavatory - Wall	1.00 ea	\$1,573.00 /ea	\$1,573
Hose Bibb	1.00 ea	\$187.00 /ea	\$187
Wall Hydrant	1.00 ea	\$357.50 /ea	\$358
D2090 MISC. PLUMBING SYSTEMS		\$1.10 / SF	\$2,244
D2090 Plumbing Misc Items		\$1.10 / SF	\$2,244
Admin & Expenses	2,040 sf	\$1.10 /sf	\$2,244

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
D30 HEATING, VENTILATION, & AIR CONDITIONING (HVAC)		\$25.00 / SF	\$51,000
D3090 OTHER HVAC SYSTEMS & EQUIP		\$25.00 / SF	\$51,000
D3091 HVAC Misc Items		\$25.00 / SF	\$51,000
Maintenance Bldg HVAC	2,040 sf	\$25.00 /sf	\$51,000
D40 FIRE PROTECTION		\$1.05 / SF	\$2,150
D4030 FIRE PROTECTION SPECIALTIES		\$1.05 / SF	\$2,150
D4031 Fire Protection Equipment		\$1.05 / SF	\$2,150
Fire Extinguisher Cabinets - Semi-Recessed	1.00 ea	\$405.00 /ea	\$405
AED Cabinets, units, and accessories	1.00 ea	\$1,745.00 /ea	\$1,745
D50 ELECTRICAL		\$107.14 / SF	\$218,558
D5020 ELECTRICAL SERVICE & DISTRIBUTION		\$75.57 / SF	\$154,164
D5023 Large Power & Distribution		\$4.00 / SF	\$8,160
Large Power and Distibution	2,040 gsf	\$4.00 /gsf	\$8,160
D5024 Large Power Feeder Conduit		\$64.85 / SF	\$132,304
Large Power Feeder Conduit	2,040 gsf	\$0.95 /gsf	\$1,946
400 AMP EMT Composite feeders Copper - Large Power	612 lf	\$142.22 /lf	\$87,040
(1) 4" Empty PVC conduit with pull string composite unit	1,224 lf	\$17.22 /lf	\$21,075
(2) 4" Empty PVC Conduit with pull string composite unit	612 lf	\$36.34 /lf	\$22,242
D5027 Mechanical Equipment Connections		\$1.96 / SF	\$3,989
Mechanical Connections	2,040 gsf	\$1.96 /gsf	\$3,989
D5029 Small Power Devices & Wiring		\$2.85 / SF	\$5,809
Small Power Devices and Wiring	2,040 gsf	\$2.85 /gsf	\$5,809
D6013 Tel/Data System		\$1.91 / SF	\$3,902
Tel/data	2,040 gsf	\$1.91 /gsf	\$3,902
D5040 LIGHTING		\$8.80 / SF	\$17,944
D5042 Light Fixtures		\$6.90 / SF	\$14,067
Lighting Fixtures and Wiring	2,040 gsf	\$6.90 /gsf	\$14,067
D5044 Lighting Controls & Wiring		\$1.90 / SF	\$3,877
Lighting Control	2,040 gsf	\$1.90 /gsf	\$3,877
D5090 OTHER ELECTRICAL SYSTEMS		\$2.87 / SF	\$5,856
D5094 Grounding & Lightning Protection Sys.		\$0.24 / SF	\$485
Gronding	2,040 gsf	\$0.24 /gsf	\$485
D5095 Miscellaneous Electrical Systems		\$2.63 / SF	\$5,370
Mis Expenses	2,040 gsf	\$1.88 /gsf	\$3,840
Temp Lighting and Power	2,040 gsf	\$0.75 /gsf	\$1,530
D6010 COMMUNICATIONS & SECURITY		\$19.90 / SF	\$40,594
D6013 Tel/Data System		\$19.90 / SF	\$40,594
(1) 4" Empty PVC Conduit with pull String composite unit Fire Alarm	563 lf	\$36.05 /lf	\$20,297
(1) 4" Empty PVC Conduit with pull String composite unit telcom	563 lf	\$36.05 /lf	\$20,297
D60 COMMUNICATIONS		\$5.87 / SF	\$11,965
D6010 COMMUNICATIONS & SECURITY		\$3.48 / SF	\$7,099

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
D6011 Fire Alarm System		\$1.54 / SF	\$3,141
Fire Alarm	1,600 gsf	\$1.96 /gsf	\$3,141
D6016 Surveillance CCTV System		\$0.99 / SF	\$2,026
Surveillance CCTV	2,040 ea	\$0.99 /ea	\$2,026
D6017 Security Access Control		\$0.95 / SF	\$1,932
Security Access and Control	2,040 gsf	\$0.95 /gsf	\$1,932
D6020 VOICE COMMUNICATIONS		\$1.91 / SF	\$3,902
D5032 Communications & Security		\$1.91 / SF	\$3,902
Communication and Security	2,040 gsf	\$1.91 /gsf	\$3,902
D6030 SOUND AND A/V		\$0.47 / SF	\$965
D6032 Sound/PA Systems		\$0.47 / SF	\$965
Sound and PA	2,040 gsf	\$0.47 /gsf	\$965
TOTAL C3A3 MAINTENANCE BUILDING		\$312.45 / SF	\$637,399

C3A4 TICKET OFFICE / CONCESSIONS

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
A SUBSTRUCTURE	1,730 SF	\$39.86 / SF	\$68,960
A10 FOUNDATIONS		\$39.86 / SF	\$68,960
A1010 STANDARD FOUNDATIONS		\$39.86 / SF	\$68,960
A1010 Standard Foundations		\$39.86 / SF	\$68,960
Standard Concrete Foundation - Complete \$/sf - Concessions Building	1,724 sf	\$40.00 /sf	\$68,960
F&I Building Foundation Drainage - Perforated PVC	0.00 lf		\$0
A20 SUBGRADE ENCLOSURES		\$0.00 / SF	\$0
A2020 BASEMENT WALL CONSTRUCTION		\$0.00 / SF	\$0
A2020 Basement Wall Construction		\$0.00 / SF	\$0
Rigid Insulation @ Fndn. Walls	0.00 sf		\$0
A2022 Moisture Protection		\$0.00 / SF	\$0
Damproofing - Foundation Walls	0.00 sf		\$0
A40 SLABS-ON-GRADE		\$0.00 / SF	\$0
A4010 STANDARD SLABS-ON-GRADE		\$0.00 / SF	\$0
A4010 Standard Slabs-on-Grade		\$0.00 / SF	\$0
Vapor Barrier @ SOG Elevator Pit	0.00 sf		\$0
Waterproof SOG - Vapor Barrier	0.00 sf		\$0
A4090 SLAB-ON-GRADE SUPPLEMENTARY COMPONENTS		\$0.00 / SF	\$0
A4096 Slab-on-Grade Supplementary Components		\$0.00 / SF	\$0
Rigid Insulation @ S.O.G.	0.00 sf		\$0
B SHELL	1,730 SF	\$229.40 / SF	\$396,859
B10 SUPERSTRUCTURE		\$6.93 / SF	\$11,991
B1010 FLOOR CONSTRUCTION		\$0.00 / SF	\$0
B1019 Floor Construction Supplementary Components		\$0.00 / SF	\$0
Misc. Patching of Fireproofing	0.00 ls		\$0
Firestopping / Safing @ Building Perimeter \$/lf	0.00 lf		\$0
B1020 ROOF CONSTRUCTION		\$5.45 / SF	\$9,431
B1029 Roof Construction Supplementary Components		\$5.45 / SF	\$9,431
Rough Carpentry Roofing	6,288 sf	\$1.50 /sf	\$9,431
B1080 STAIRS		\$1.48 / SF	\$2,560
B2017 Balcony Walls & Railings		\$1.48 / SF	\$2,560
Railing Exterior Guardrail at Roof Patio Edge	16 lf	\$160.00 /lf	\$2,560
B20 EXTERIOR VERTICAL ENCLOSURES		\$136.61 / SF	\$236,337
B2010 EXTERIOR WALLS		\$117.15 / SF	\$202,662
B2011 Exterior Wall Veneer		\$91.63 / SF	\$158,521
Exterior CMU - CMU Veneer	3,346 sf	\$35.00 /sf	\$117,110
FRP - Wall Paneling	426 sf	\$17.00 /sf	\$7,236
Metal Panel Insulated Metal Panels	415 sf	\$65.00 /sf	\$26,975
Exterior Enclosure Painting, Staining & Transparent Finishing	80 mhr	\$90.00 /mhr	\$7,200

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
B2012 Exterior Wall Construction		\$22.25 / SF	\$38,497
Exterior CMU - 8" CMU	0.00 sf		\$0
Stabilizer Clips-Galv. @ Exterior Masonry Walls	3,346 sf	\$1.00 /sf	\$3,346
Blocking @ Exterior Wall Mounted Railing \$/lf	16 lf	\$10.00 /lf	\$160
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	4,515 sfwa	\$7.00 /sfwa	\$31,605
Caulking and Sealants, Exterior - Total enclosure SF	4,515 sfwa	\$0.75 /sfwa	\$3,386
B2018 Exterior Wall Supplementary Components		\$3.26 / SF	\$5,644
Sheet Metal Flashing & Trim Complete \$/sf	4,515 sfwa	\$1.25 /sfwa	\$5,644
B2020 EXTERIOR WINDOWS		\$5.03 / SF	\$8,700
B2023 Exterior Window Wall Storefronts		\$5.03 / SF	\$8,700
Storefront Insulating Glass in Aluminum Storefront System	87 sf	\$100.00 /sf	\$8,700
B2050 EXTERIOR DOORS & GRILLES		\$14.44 / SF	\$24,975
B2051 Exterior Entrance Doors		\$12.37 / SF	\$21,400
Door HM Single Exterior - Incl. Door, Frame, and Hardware	6.00 ea	\$3,500.00 /ea	\$21,000
Paint Exterior - Doors	4.00 ea	\$100.00 /ea	\$400
B2053.4 Overhead & Roll Up Doors		\$2.07 / SF	\$3,575
Door Insulated Overhead Coiling Door, Motor Operated, 1 each	65 sf	\$55.00 /sf	\$3,575
B30 EXTERIOR HORIZONTAL ENCLOSURES		\$85.86 / SF	\$148,530
B3010 ROOFING		\$85.86 / SF	\$148,530
B3012 Low Slope Membrane Systems		\$73.14 / SF	\$126,530
Roof System B - PVC Single Ply Membrane w/ 6-1/2" Insulation	7,029 sf	\$18.00 /sf	\$126,530
B3013 Roof Insulation & Fill		\$0.00 / SF	\$0
Tapered Roof Insulation - Premium, assume not required	0.00 nic		\$0
B3014.2 Flashings & Trim		\$12.72 / SF	\$22,000
Patch and Seal Roof Penetrations	1.00 ls	\$10,000.00 /ls	\$10,000
Roof Edge Fascia	400 lf	\$30.00 /lf	\$12,000
B3014.4 Gutters & Downspouts		\$0.00 / SF	\$0
Gutters, assume not required	0.00 nic		\$0
Downspouts, assume not required	0.00 nic		\$0
C INTERIORS	1,730 SF	\$73.00 / SF	\$126,287
C10 INTERIOR CONSTRUCTION		\$37.21 / SF	\$64,369
C1010 INTERIOR PARTITIONS		\$6.93 / SF	\$11,994
C1011 Interior Fixed Partitions		\$6.93 / SF	\$11,994
Interior CMU - 8"	328 sf	\$26.00 /sf	\$8,534
Interior Rough Carpentry	1,730 sf	\$2.00 /sf	\$3,460
C1030 INTERIOR DOORS		\$2.78 / SF	\$4,815
C1034 Interior Coiling Doors		\$2.02 / SF	\$3,500
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$3,500.00 /ls	\$3,500
C1039 Interior Door Supplementary Components		\$0.76 / SF	\$1,315
Misc. Interior Caulking - General	1,730 sf	\$0.76 /sf	\$1,315
C1090 INTERIOR SPECIALTIES		\$27.49 / SF	\$47,561
C1092.2 Compartments & Cubicles		\$10.14 / SF	\$17,550

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Toilet Compartment - Plastic Laminate - Standard	10 stall	\$1,200.00 /stall	\$12,000
Toilet Compartment - Plastic Laminate - Handicapped	2.00 stall	\$1,500.00 /stall	\$3,000
Urinal Screen - Plastic Laminate	6.00 ea	\$425.00 /ea	\$2,550
C1092.4 Toilet, Bath, & Laundry Accessories		\$8.67 / SF	\$15,006
Toilet Accessories - Unload / Store / Categorize	46 mhr	\$90.00 /mhr	\$4,140
Toilet Accessories - Distribute / Install	46 mhr	\$90.00 /mhr	\$4,140
Restroom Soap: Soap Dispenser, Wall Mtd.	8.00 ea	\$80.00 /ea	\$640
Restroom Paper Towel Dispenser & Trash, Semi Recessed	4.00 ea	\$205.00 /ea	\$820
Restroom Toilet Paper Dispenser, Wall Mtd.	12 ea	\$100.00 /ea	\$1,200
Restroom Sanitary Napkin Disposal, Recessed	12 ea	\$75.00 /ea	\$900
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	2.00 ea	\$43.00 /ea	\$86
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	22 ea	\$45.00 /ea	\$990
Restroom Baby Changing Station; Wall Mtd.	1.00 ea	\$220.00 /ea	\$220
Restroom Mirror: Single Mirror: Framed Mirror Unit	10 ea	\$165.00 /ea	\$1,650
Janitor Shelf: S.S. Utility Shelf w/ Mop and Broom Holders	1.00 ea	\$155.00 /ea	\$155
Janitor Shelf: SS Shelf 8" D x 24" W	1.00 ea	\$65.00 /ea	\$65
C1093 Wall & Door Protection		\$0.50 / SF	\$862
Wall & Door Protection Complete \$/sf, including corner guards	1,724 gsf	\$0.50 /gsf	\$862
C1093.2 Information Specialties		\$7.43 / SF	\$12,850
Signage Dedication Plaques Allowance - Interior	1.00 allw	\$2,000.00 /allw	\$2,000
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$5,000.00 /ls	\$5,000
Signage Room Identification Signs - Interior	10 ea	\$85.00 /ea	\$850
Signage Branding and Graphics Allowance - Interior, including large format wall murals and panels.	1.00 allw	\$5,000.00 /allw	\$5,000
C1099 Other Interior Specialties		\$0.75 / SF	\$1,293
Misc. Metals and Supports	1,724 gsf	\$0.75 /gsf	\$1,293
C20 INTERIOR FINISHES		\$35.79 / SF	\$61,917
C2010 WALL FINISHES		\$6.47 / SF	\$11,192
C2017 Wall Painting & Coating		\$6.47 / SF	\$11,192
Paint Interior Walls - Epoxy	2,769 sf	\$3.50 /sf	\$9,692
Misc. Interior Painting	1.00 allw	\$1,500.00 /allw	\$1,500
C2020 INTERIOR FABRICATIONS		\$1.62 / SF	\$2,810
C2020 Countertops & Interior Fabrications		\$1.62 / SF	\$2,810
Countertop - Solid Surface @ Concessions	14 lf	\$200.00 /lf	\$2,810
C2030 FLOORING		\$14.84 / SF	\$25,676
C2032.2 Tile Flooring		\$11.09 / SF	\$19,191
Ceramic Floor Tile	960 sf	\$20.00 /sf	\$19,191
C2035 Resilient Flooring		\$3.75 / SF	\$6,485
Epoxy Flooring - Poured	489 sf	\$13.25 /sf	\$6,485
C2050 CEILING FINISHES		\$12.85 / SF	\$22,239
C2051 Plaster & Gypsum Board Finish		\$11.91 / SF	\$20,596
GWB GWB Ceiling, Typical	1,373 sf	\$15.00 /sf	\$20,596
C2056 Painting & Staining Ceilings		\$0.95 / SF	\$1,642

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Paint Painted Interior GWB - Typical Ceilings - Latex	1,308 sf	\$1.00 /sf	\$1,308
Paint Exposed Painted Structural Steel & Metal Deck	96 sf	\$3.50 /sf	\$335
D SERVICES	1,730 SF	\$266.23 / SF	\$460,571
D10 CONVEYING		\$52.60 / SF	\$91,000
D1010 ELEVATORS & LIFTS		\$52.60 / SF	\$91,000
D1010 Elevators & Lifts		\$52.60 / SF	\$91,000
Elevator, Passenger (Otis Gen2, 3,500 capacity), 2 ea	2.00 stop	\$45,500.00 /stop	\$91,000
D20 PLUMBING		\$91.75 / SF	\$158,730
D2000 PLUMBING EQUIPMENT		\$15.90 / SF	\$27,500
D2000 Plumbing Equipment		\$15.90 / SF	\$27,500
Water Meter 4"	1.00 ea	\$3,300.00 /ea	\$3,300
Circulating Pump - DHWH	1.00 ea	\$880.00 /ea	\$880
Thermostatic Mixing Valve, 2"	1.00 ea	\$2,750.00 /ea	\$2,750
Backflow Preventer (RP) 4"	1.00 ea	\$5,500.00 /ea	\$5,500
Floor Drain W/Trap	4.00 ea	\$1,045.00 /ea	\$4,180
Elevator Sump Pump	1.00 ea	\$2,200.00 /ea	\$2,200
Oil Interceptor	1.00 ea	\$4,400.00 /ea	\$4,400
Electric Water Heater	1.00 ea	\$3,300.00 /ea	\$3,300
Expansion Tank	1.00 ea	\$990.00 /ea	\$990
D2010 DOMESTIC WATER DISTRIBUTION		\$16.53 / SF	\$28,600
D2012 Domestic Water Piping		\$16.53 / SF	\$28,600
Domestic Hot & Cold Water Piping	500 lf	\$44.00 /lf	\$22,000
Insulation	500 lf	\$11.00 /lf	\$5,500
Valves & Accessories	1.00 ls	\$1,100.00 /ls	\$1,100
D2020 SANITARY DRAINAGE		\$17.49 / SF	\$30,250
D2026 Sanitary Drain Piping - AG		\$17.49 / SF	\$30,250
Sanitary Waste & Vent Piping - UG & AG	550 lf	\$55.00 /lf	\$30,250
D2040 PLUMBING FIXTURES		\$35.48 / SF	\$61,380
D2043 Plumbing Fixtures		\$35.48 / SF	\$61,380
Water Closet - Wall Hung	12 ea	\$2,469.50 /ea	\$29,634
Lavatory - Wall	10 ea	\$1,573.00 /ea	\$15,730
2 Comp Sink	1.00 ea	\$1,650.00 /ea	\$1,650
Mop Sink	1.00 ea	\$1,815.00 /ea	\$1,815
Urinal	6.00 ea	\$1,760.00 /ea	\$10,560
Hose Bibb	3.00 ea	\$187.00 /ea	\$561
Wall Hydrant	4.00 ea	\$357.50 /ea	\$1,430
D2090 MISC. PLUMBING SYSTEMS		\$6.36 / SF	\$11,000
D2090 Plumbing Misc Items		\$6.36 / SF	\$11,000
Admin & Expenses	1.00 ls	\$11,000.00 /ls	\$11,000
D30 HEATING, VENTILATION, & AIR CONDITIONING (HVAC)		\$49.83 / SF	\$86,200
D3090 OTHER HVAC SYSTEMS & EQUIP		\$49.83 / SF	\$86,200
D3091 HVAC Misc Items		\$49.83 / SF	\$86,200

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
HVAC Ticket/Concessions	1,724 sf	\$50.00 /sf	\$86,200
D40 FIRE PROTECTION		\$1.24 / SF	\$2,150
D4030 FIRE PROTECTION SPECIALTIES		\$1.24 / SF	\$2,150
D4031 Fire Protection Equipment		\$1.24 / SF	\$2,150
Fire Extinguisher Cabinets - Semi-Recessed	1.00 ea	\$405.00 /ea	\$405
AED Cabinets, units, and accessories	1.00 ea	\$1,745.00 /ea	\$1,745
D50 ELECTRICAL		\$64.19 / SF	\$111,046
D5020 ELECTRICAL SERVICE & DISTRIBUTION		\$51.97 / SF	\$89,907
D5021 Medium Voltage Conduit and Cabling		\$22.58 / SF	\$39,059
(1) 4" Empty PVC Conduit with pull string composite unit Spares FA	563 lf	\$16.26 /lf	\$9,154
(1) 4" Empty PVC Conduit with pull string composite unit Spares tel	563 lf	\$16.26 /lf	\$9,154
(2) 4" Empty PVC Conduit with pull string composite unit Spares	571 lf	\$36.34 /lf	\$20,752
D5023 Large Power & Distribution		\$2.10 / SF	\$3,640
Large Power and Distribution	1,820 gsf	\$2.00 /gsf	\$3,640
D5024 Large Power Feeder Conduit		\$20.22 / SF	\$34,984
Large Power Feeder Conduit	1,820 gsf	\$0.95 /gsf	\$1,736
250 AMP EMT Composite feeders Copper - Large Power	578 lf	\$57.52 /lf	\$33,248
D5027 Mechanical Equipment Connections		\$2.06 / SF	\$3,559
Mechanical Connectionst	1,820 gsf	\$1.96 /gsf	\$3,559
D5029 Small Power Devices & Wiring		\$3.00 / SF	\$5,183
Small Power Devices and Wiring	1,820 gsf	\$2.85 /gsf	\$5,183
D6013 Tel/Data System		\$2.01 / SF	\$3,481
Tel/data	1,820 gsf	\$1.91 /gsf	\$3,481
D5040 LIGHTING		\$9.20 / SF	\$15,915
D5042 Light Fixtures		\$7.25 / SF	\$12,550
Lighting Fixtures and Wiring	1,820 gsf	\$6.90 /gsf	\$12,550
D5044 Lighting Controls & Wiring		\$1.95 / SF	\$3,365
Lighting Control	1,771 gsf	\$1.90 /gsf	\$3,365
D5090 OTHER ELECTRICAL SYSTEMS		\$3.02 / SF	\$5,224
D5094 Grounding & Lightning Protection Sys.		\$0.25 / SF	\$433
Gronding	1,820 gsf	\$0.24 /gsf	\$433
D5095 Miscellaneous Electrical Systems		\$2.77 / SF	\$4,791
Mis Expenses	1,820 gsf	\$1.88 /gsf	\$3,426
Temp Lighting and Power	1,820 gsf	\$0.75 /gsf	\$1,365
D60 COMMUNICATIONS		\$6.62 / SF	\$11,445
D6010 COMMUNICATIONS & SECURITY		\$4.11 / SF	\$7,104
D6011 Fire Alarm System		\$2.07 / SF	\$3,573
Fire Alarm	1,820 gsf	\$1.96 /gsf	\$3,573
D6016 Surveillance CCTV System		\$1.04 / SF	\$1,807
Surveillance CCTV	1,820 gsf	\$0.99 /gsf	\$1,807
D6017 Security Access Control		\$1.00 / SF	\$1,723

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Security Access and Control	1,820 gsf	\$0.95 /gsf	\$1,723
D6020 VOICE COMMUNICATIONS		\$2.01 / SF	\$3,481
D5032 Communications & Security		\$2.01 / SF	\$3,481
Communication and Security	1,820 gsf	\$1.91 /gsf	\$3,481
D6030 SOUND AND A/V		\$0.50 / SF	\$861
D6032 Sound/PA Systems		\$0.50 / SF	\$861
Sound and PA	1,820 gsf	\$0.47 /gsf	\$861
E EQUIPMENT & FURNISHINGS	1,730 SF	\$0.75 / SF	\$1,305
E20 FURNISHINGS		\$0.75 / SF	\$1,305
E2010 FIXED FURNISHINGS		\$0.75 / SF	\$1,305
E2012 Window Treatments		\$0.75 / SF	\$1,305
Roller Shades - Manual Operated - At Storefront (Exterior)	87 sf	\$15.00 /sf	\$1,305
TOTAL C3A4 TICKET OFFICE / CONCESSIONS		\$609.24 / SF	\$1,053,982

C3S1 SITE IMPROVEMENTS

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
E EQUIPMENT & FURNISHINGS	60 acre	\$19,425.90 / acre	\$1,165,554
E10 EQUIPMENT		\$19,425.90 / acre	\$1,165,554
E1090 OTHER EQUIPMENT		\$19,425.90 / acre	\$1,165,554
E1097 Athletic, Recreational, & Therapeutic Equipment		\$19,425.90 / acre	\$1,165,554
Permanent Bleachers (F&I) including pressbox - reduced to 500 from 1000 seats - VEL07	500 seat	\$1,250.00 /seat	\$625,000
Sportsfield Specialties - Prefabricated Ticket Booth (material only)	0.00 excl		\$0
Sportsfield Specialties - Scoreboard - Football	1.00 ea	\$100,000.00 /ea	\$100,000
Sportsfield Specialties - Scoreboard - other	2.00 ea	\$30,000.00 /ea	\$60,000
Sportsfield Specialties - Baseball - Bases, Sleeves (material only)	1.00 ls	\$750.00 /ls	\$750
Sportsfield Specialties - Softball - Bases, Sleeves (material only)	2.00 ls	\$750.00 /ls	\$1,500
Sportsfield Specialties - Pitching Rubber (material only)	3.00 ea	\$156.00 /ea	\$468
Sportsfield Specialties - Home Plate (material only)	3.00 ea	\$150.00 /ea	\$450
Sportsfield Specialties - Stadium Safety Netting System (material only)	551 lf	\$61.00 /lf	\$33,611
Sportsfield Specialties - Baseball Batting Tunnel (material only)	0.00 excl		\$0
Sportsfield Specialties - Softball Batting Tunnel (material only)	0.00 excl		\$0
Sportsfield Specialties - Baseball / Softball Foul Pole (material only)	4.00 ea	\$995.00 /ea	\$3,980
Sportsfield Specialties - Baseball - Dugouts 8'x34' (material only) - target \$12k ea, VEL09	2.00 ea	\$12,000.00 /ea	\$24,000
Sportsfield Specialties - Softball- Dugouts 8'x34' (material only) - VEL09	2.00 ea	\$12,000.00 /ea	\$24,000
Sportsfield Specialties - Team Benches at Dugouts (material only)	6.00 ea	\$2,805.00 /ea	\$16,830
Sportsfield Specialties - Helmut Caddy / Bat Bin (material only)	6.00 ea	\$6,030.00 /ea	\$36,180
Sportsfield Specialties - Tension Netting Backstop - 32'h - Softball (material only)	80 lf	\$154.00 /lf	\$12,320
Sportsfield Specialties - Tension Netting Backstop - 42'h - Baseball (material only)	40 lf	\$148.00 /lf	\$5,920
Sportsfield Specialties - Football - Goal Posts (material only)	2.00 ea	\$6,330.00 /ea	\$12,660
Sportsfield Specialties - Football - Goal Posts Pads (material only)	2.00 ea	\$595.00 /ea	\$1,190
Sportsfield Specialties - Soccer Goal Safety System (material only)	2.00 ea	\$960.00 /ea	\$1,920
Sportsfield Specialties - Shot Put/Hammer Throw Ring (material only)	1.00 ea	\$385.00 /ea	\$385
Sportsfield Specialties - Shot Put Toe Board (material only)	1.00 ea	\$435.00 /ea	\$435
Sportsfield Specialties - Shot Put Cage (material only)	1.00 ea	\$2,310.00 /ea	\$2,310
Sportsfield Specialties - Shot Put Backup Net (material only)	1.00 ea	\$395.00 /ea	\$395
Sportsfield Specialties - Pole Vault Box (material only)	1.00 ea	\$1,170.00 /ea	\$1,170
Sportsfield Specialties - Pole Vault Standard Forming System (material only)	1.00 ea	\$1,935.00 /ea	\$1,935
Sportsfield Specialties - Pole Vault Equipment Set (material only)	1.00 ea	\$21,970.00 /ea	\$21,970
Sportsfield Specialties - Long/Triple Jump Takeoff Boards (material only)	1.00 ea	\$1,085.00 /ea	\$1,085
Sportsfield Specialties - Tennis Court Nets - Net, Posts, Sleeves (material only)	6.00 ea	\$715.00 /ea	\$4,290

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Exterior Athletic Equipment - Labor to Unbox, Assemble, & Install	25 crdy	\$5,440.00 /crdy	\$136,000
Outdoor Fitness Equipment	5.00 ea	\$3,000.00 /ea	\$15,000
Baseball - Field Backstops	40 lf	\$175.00 /lf	\$7,000
Softball - Field Backstops	80 lf	\$160.00 /lf	\$12,800
F SPECIAL CONSTRUCTION & DEMOLITION	60 acre	\$59,894.72 / acre	\$3,593,683
F20 FACILITY REMEDIATION		\$31,994.58 / acre	\$1,919,675
F2010 HAZARDOUS MATERIALS REMEDIATION		\$31,994.58 / acre	\$1,919,675
F2019 Other Hazardous Selective Building Demolition		\$31,994.58 / acre	\$1,919,675
Allowance for Hazardous Materials Abatement	1.00 ls	\$1,919,675.00 /ls	\$1,919,675
F30 DEMOLITION		\$27,900.13 / acre	\$1,674,008
F3010 STRUCTURE DEMOLITION		\$27,900.13 / acre	\$1,674,008
F3011 Building Demolition		\$27,900.13 / acre	\$1,674,008
Demolish Existing School Building	239,144 sf	\$7.00 /sf	\$1,674,008
G SITEWORK	60 acre	\$565,571.81 / acre	\$33,934,308
G10 SITE PREPARATION		\$207,854.58 / acre	\$12,471,275
G1010 SITE CLEARING		\$7,916.67 / acre	\$475,000
G1011 Clearing & Grubbing		\$7,916.67 / acre	\$475,000
Bulk Site Clearing & Grubbing	35 acre	\$5,000.00 /acre	\$175,000
Strip Topsoil - Offsite Disposal	15,000 cy	\$20.00 /cy	\$300,000
G1020 SITE ELEMENTS DEMOLITION		\$10,437.92 / acre	\$626,275
G1023 Infrastructure Demolition		\$10,437.92 / acre	\$626,275
R&D Misc. Site Removals - Phase 1	1.00 ls	\$25,000.00 /ls	\$25,000
R&D Misc. Site Removals - Phase 2	1.00 ls	\$250,000.00 /ls	\$250,000
R&D Utility Structures - CB	31 ea	\$1,000.00 /ea	\$31,000
R&D Utility Structures - MH	20 ea	\$1,000.00 /ea	\$20,000
R&D Hydrants	4.00 ea	\$500.00 /ea	\$2,000
R&D Subsurface Utilities & Backfill	11,931 lf	\$25.00 /lf	\$298,275
G1030 SITE ELEMENT RELOCATIONS		\$126,500.00 / acre	\$7,590,000
G1033 Rock Excavation		\$109,000.00 / acre	\$6,540,000
Mass Rock Blasting	150,000 cy	\$15.00 /cy	\$2,250,000
Mass Rock Excavation	150,000 cy	\$8.50 /cy	\$1,275,000
Mass Rock Processing	150,000 cy	\$11.00 /cy	\$1,650,000
Allow for additional material handling due to logistics	160,000 cy	\$3.00 /cy	\$480,000
Trench Rock Blasting	10,000 cy	\$65.00 /cy	\$650,000
Trench Rock Excavation	10,000 cy	\$12.50 /cy	\$125,000
Trench Rock Processing	10,000 cy	\$11.00 /cy	\$110,000
G1034 Fill & Borrow		\$13,333.33 / acre	\$800,000
Fill to get to sub grade elev	1.00 ls	\$800,000.00 /ls	\$800,000
G1035 Temporary Erosion & Sediment Control		\$4,166.67 / acre	\$250,000
Antitracking Pads	1.00 ls	\$50,000.00 /ls	\$50,000
Erosion Control Hay Bales / Silt Fence	10,000 lf	\$7.50 /lf	\$75,000

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Erosion Control Blankets & Mats	1.00 ls	\$50,000.00 /ls	\$50,000
Erosion Control - CB Inlet Protection	1.00 ls	\$25,000.00 /ls	\$25,000
Erosion Control - Maintain	1.00 ls	\$50,000.00 /ls	\$50,000
G1070 SITE EARTHWORK		\$63,000.00 / acre	\$3,780,000
G1072 Excavation & Fill		\$63,000.00 / acre	\$3,780,000
Bulk Excavation Offsite Disposal - Fill (assumed clean, less than RCS1)	110,000 cy	\$28.00 /cy	\$3,080,000
Excavate & Backfill for Site Improvements items (pads / stairs, etc)	20,000 cy	\$35.00 /cy	\$700,000
G20 SITE IMPROVEMENTS		\$195,803.85 / acre	\$11,748,231
G1070 SITE EARTHWORK		\$4,250.00 / acre	\$255,000
G1072 Excavation & Fill		\$4,250.00 / acre	\$255,000
Rip Rap Slopes - using processed material onsite	8,500 cy	\$30.00 /cy	\$255,000
G2010 ROADWAYS		\$40,584.76 / acre	\$2,435,086
G2011 Roadway Pavement		\$30,683.69 / acre	\$1,841,022
Fine Grade Pavement Base	331,155 sf	\$0.50 /sf	\$165,578
Backfill Pavement Base Mat'l. - processed material	18,400 cy	\$15.00 /cy	\$276,000
- Raised Crosswalks @ Bit Pavement	208 sy	\$35.00 /sy	\$7,280
Bituminious Paving - Parking Lot Pavement	17,845 sy	\$33.00 /sy	\$588,885
Bituminious Paving - Roadway Pavement	17,078 sy	\$36.00 /sy	\$614,808
Bituminious Paving - Roadway Pavement - HD - Change 75% Vehicular concrete to HD Bit (VEC02)	9,068 sf	\$5.00 /sf	\$45,341
Concrete Paving - 6" Vehicular - reduced by 75% per VEC02	3,023 sf	\$16.50 /sf	\$49,875
Concrete Paving - 6" Vehicular Walkway / Ramp @ Fields	4,549 sf	\$20.50 /sf	\$93,255
G2012 Roadway Curbs & Gutters		\$8,989.23 / acre	\$539,354
Granite Curbing - Vertical (Staight & Radius)	12,512 lf	\$62.00 /lf	\$775,744
Granite Curbing - Vertical (Staight & Radius) - reduced by 35% - VEC04	-4400 lf	\$62.00 /lf	(\$272,800)
Bituminous Curbing (Cape Cod Berm)	2,220 lf	\$5.50 /lf	\$12,210
Bituminous Curbing (Cape Cod Berm) - changed from Granite to CCB - VEC04	4,400 lf	\$5.50 /lf	\$24,200
G2013 Marking & Signage		\$911.83 / acre	\$54,710
Accesible Walkway Ramp	942 sf	\$5.00 /sf	\$4,710
Painted Lines - Misc. Striping - Lane SWL, Stop Lines, etc.	1.00 allw	\$50,000.00 /allw	\$50,000
G2030 PEDESTRIAN PLAZAS & WALKWAYS		\$11,707.49 / acre	\$702,450
G2031 Pedestrian Pavement		\$11,707.49 / acre	\$702,450
Prepare & Compact Subbase	71,552 sf	\$0.50 /sf	\$35,776
Backfill Pavement Base Mat'l. - processed material	2,650 cy	\$15.00 /cy	\$39,750
Asphalt Walkway Paving	3,096 sy	\$27.00 /sy	\$83,592
Concrete Paving - Carry Half the area as standard grey - VEL02	8,432 sf	\$12.00 /sf	\$101,190
Concrete Paving - Integral Color Exposed Aggregate - reduced by half, VEL02	8,432 sf	\$18.00 /sf	\$151,785
Concrete Paving - Ramps	500 sf	\$15.00 /sf	\$7,500
Concrete Paving - Typical Walkway - reduce by 5,000 sf - VEC05	13,087 sf	\$12.00 /sf	\$157,044
Stone Dust Walk - stabilized	1,103 sf	\$10.00 /sf	\$11,030

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Unit Pavers - Type A - Granite - changed to precast for half the area VEL03	348 sf	\$125.00 /sf	\$43,563
Unit Pavers - Type B - Precast - increased, changed from granite - VEL03	1,780 sf	\$40.00 /sf	\$71,220
G2050 ATHLETIC, RECREATIONAL, & PLAYFIELD AREAS		\$87,541.46 / acre	\$5,252,488
G2057 Playing Fields		\$87,541.46 / acre	\$5,252,488
Prepare & Compact Subbase	394,395 sf	\$0.50 /sf	\$197,198
drainage layer w double washed stone	394,395 cy	\$4.00 /cy	\$1,577,580
Asphalt Surface w top coating / striping @ Tennis Courts	29,700 sf	\$10.00 /sf	\$297,000
Baseball / Softball Engineered Infield Mix	29,600 sf	\$4.00 /sf	\$118,400
Baseball / Softball Outfield - seeded	103,900 sf	\$2.00 /sf	\$207,800
Poured in place Safety Surfacing	940 sf	\$24.00 /sf	\$22,560
Resilient Asphalt Surface @ FB End Zones	15,000 sf	\$20.00 /sf	\$300,000
Resilient Track / Track D Zone	37,000 sf	\$20.00 /sf	\$740,000
Synthetic Turf BB / Soccer Field	97,700 sf	\$10.00 /sf	\$977,000
Synthetic Turf FB Field	78,000 sf	\$10.00 /sf	\$780,000
Synthetic Turf Infield	3,495 sf	\$10.00 /sf	\$34,950
G2060 SITE DEVELOPMENT		\$35,403.10 / acre	\$2,124,186
G2033 Exterior Steps & Ramps		\$6,302.67 / acre	\$378,160
Concrete Base for Site Entry Sign	1.00 ls	\$10,000.00 /ls	\$10,000
Concrete Pad - Bleachers, Baseball / Softball	739 sf	\$40.00 /sf	\$29,560
Concrete Pad - Generator	733 sf	\$40.00 /sf	\$29,320
Concrete Pad - Transformer	820 sf	\$40.00 /sf	\$32,800
Concrete Pad @ Team Bench	622 sf	\$40.00 /sf	\$24,880
Concrete Pad @ Team Bench W Overhead Shade	1,228 sf	\$40.00 /sf	\$49,120
Concrete Stairs & Landings	2,531 sf	\$80.00 /sf	\$202,480
G2052 Retaining Walls		\$5,076.67 / acre	\$304,600
Retaining Walls Complete \$/lf - segmental	91 lf	\$350.00 /lf	\$31,850
Retaining Wall - Concrete (CIP) - complete, footing & wall	250 cy	\$1,000.00 /cy	\$250,000
Retaining Walls - Crushed Stone Base	650 cy	\$35.00 /cy	\$22,750
G2056 Signage		\$500.00 / acre	\$30,000
Custom Site / Building Sign Allowance	1.00 allw	\$30,000.00 /allw	\$30,000
G2059 Other Site Improvements		\$4,221.42 / acre	\$253,285
Metal Guard Railing, Vehicular	2,743 lf	\$45.00 /lf	\$123,435
Painted Steel Full Railing @ Concrete Ramp	499 lf	\$150.00 /lf	\$74,850
Painted Steel Full Railing @ Concrete Stairs	172 lf	\$150.00 /lf	\$25,800
Metal Pipe Bollards - Exterior	16 ea	\$1,200.00 /ea	\$19,200
Flagpoles w/ Base	1.00 ls	\$10,000.00 /ls	\$10,000
G2061.4 Site Furnishings		\$14,198.18 / acre	\$851,891
Custom 2" Black Granite Slab - Target 25% Reduction - VEL12	48 lf	\$2,000.00 /lf	\$96,000
Custom 2" Black Granite Slab - Wall Mounted - 2 locations	-1 ls	\$24,000.00 /ls	(\$24,000)
Pre-engineered Boardwalk Ramp System	5,758 sf	\$87.00 /sf	\$500,946
Wood Deck	429 sf	\$80.00 /sf	\$34,320
Cafe Tables & Seats	18 ea	\$2,500.00 /ea	\$45,000

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Concession Table & Bench	9.00 ea	\$2,500.00 /ea	\$22,500
Table / Seats / Bench - target 25% reduction - VEL12	-1 ls	\$16,875.00 /ls	(\$16,875)
Gabion Fence Wall w Metal Signage	24 lf	\$1,000.00 /lf	\$24,000
Gabion Seat Wall w Wood Top - Curved	73 lf	\$750.00 /lf	\$54,750
Gabion Seat Wall w Wood Top - Straight	151 lf	\$500.00 /lf	\$75,500
Metal Shade Roof Pergola	318 sf	\$125.00 /sf	\$39,750
G2062 Fences & Gates		\$5,104.17 / acre	\$306,250
Site Fencing - Ornamental - 4' ht	51 lf	\$225.00 /lf	\$11,475
Site Fencing - Wire Mesh - 4' ht	102 lf	\$150.00 /lf	\$15,300
Site Fencing - Wire Mesh - 6' ht (rooftop play area)	138 lf	\$175.00 /lf	\$24,150
Vehicle Access Gates	1.00 ls	\$25,000.00 /ls	\$25,000
Site Fencing - 4'-0" high, Black Vinyl coated	2,407 lf	\$40.00 /lf	\$96,280
Site Fencing - 6'-0" high, Black Vinyl coated	1,002 lf	\$50.00 /lf	\$50,100
Site Fencing - 7'-0" high, Black Vinyl coated	15 lf	\$55.00 /lf	\$825
Site Fencing - 8'-0" high, Black Vinyl coated	321 lf	\$60.00 /lf	\$19,260
Site Fencing - 10'-0" high, Black Vinyl coated	722 lf	\$80.00 /lf	\$57,760
Site Gate - 4'-0" high, Single Swing	7.00 ea	\$175.00 /ea	\$1,225
Site Gate - 6'-0" high, Single Swing	3.00 ea	\$225.00 /ea	\$675
Site Gate - 8'-0" high, Single Swing	12 ea	\$350.00 /ea	\$4,200
G2080 LANDSCAPING		\$16,317.04 / acre	\$979,023
G2061.4 Site Furnishings		\$4,166.67 / acre	\$250,000
Seating Boulder - Furnish and Set, assume imported (ave weight ~6 tons ea)	33 ea	\$30,000.00 /ea	\$990,000
Seating Boulder - Target Value, less than two tons each (may require qty adjust) VEL01	-1 ls	\$740,000.00 /ls	(\$740,000)
G2082 Turf & Grasses		\$6,254.17 / acre	\$375,250
Topsoil / Loam - From Stockpile - F&I	4,250 cy	\$15.00 /cy	\$63,750
Topsoil / Loam - Off-Site - F&I	4,250 cy	\$38.00 /cy	\$161,500
Hydroseeding (Includes Fine Grade)	300,000 sf	\$0.50 /sf	\$150,000
G2083 Plants		\$5,896.21 / acre	\$353,773
Groundcover - Pennsylvania Sedge - plugs	451 ea	\$7.50 /ea	\$3,383
Ornamental Grasses - Tufted Hair Grass - plugs	2,592 ea	\$7.50 /ea	\$19,440
Shrubs - Gro-Low Fragrant Sumac - 1 gal	202 ea	\$75.00 /ea	\$15,150
01 - October Glory Red Maple - 4" cal	4.00 ea	\$1,600.00 /ea	\$6,400
02 - Red Maple - 1.5" cal	10 ea	\$650.00 /ea	\$6,500
03 - Dawn Redwood - 3" cal	8.00 ea	\$1,200.00 /ea	\$9,600
04 - White Oak - 1.5" cal	18 ea	\$650.00 /ea	\$11,700
05 - Burr Oak - 3.5" cal	8.00 ea	\$1,400.00 /ea	\$11,200
06 - Redpoint Maple - 3" cal	29 ea	\$1,200.00 /ea	\$34,800
07 - Sugar Maple - 2.5" cal	5.00 ea	\$1,000.00 /ea	\$5,000
08 - Clump Paper Birch - 7-8' ht	22 ea	\$750.00 /ea	\$16,500
09 - Heritage Birch - 7-8' ht	3.00 ea	\$750.00 /ea	\$2,250
10 - Whitespire Birch - 15' ht	6.00 ea	\$1,200.00 /ea	\$7,200
11 - Renaissance Upright Paper Birch - 12' - 14'	9.00 ea	\$1,000.00 /ea	\$9,000
12 - American Beech - 2.5" cal	10 ea	\$1,000.00 /ea	\$10,000

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
13 - Black Gum - 2.5" cal	8.00 ea	\$1,000.00 /ea	\$8,000
14 - Swamp White Oak - 3" cal	9.00 ea	\$1,200.00 /ea	\$10,800
15 - Red Oak - 3.5" cal	23 ea	\$1,400.00 /ea	\$32,200
16 - American Elm - 4.5-5" cal	13 ea	\$2,250.00 /ea	\$29,250
17 - Eastern Red Cedar - 8-10'	12 ea	\$900.00 /ea	\$10,800
18 - Pitch Pine - 8-10' ht	14 ea	\$900.00 /ea	\$12,600
19 - White Pine - 10-12' ht	27 ea	\$1,000.00 /ea	\$27,000
20 - White Pine - 7-8' ht	11 ea	\$750.00 /ea	\$8,250
21 - Autumn Brilliance Serviceberry - 7-8' ht	17 ea	\$750.00 /ea	\$12,750
22 - Donald Wyman Crabapple - 2.5" cal	12 ea	\$750.00 /ea	\$9,000
Mulch	1.00 ls	\$15,000.00 /ls	\$15,000
Stakes & Guying	1.00 ls	\$10,000.00 /ls	\$10,000
Warranty / Maint	0.00 incl		\$0
G30 LIQUID & GAS SITE UTILITIES		\$121,809.54 / acre	\$7,308,573
G3010 WATER UTILITIES		\$16,222.33 / acre	\$973,340
G3011 Site Domestic Water Distribution		\$16,222.33 / acre	\$973,340
Excav / Bkfl / Install - 6" DI run out to hydrant	393 lf	\$100.00 /lf	\$39,300
Excav / Bkfl / Install - 8" DICL Water Line	6,286 lf	\$140.00 /lf	\$880,040
Tap Existing Water Main	1.00 cond	\$10,000.00 /cond	\$10,000
Fire Hydrants	11 ea	\$4,000.00 /ea	\$44,000
G3020 SANITARY SEWERAGE UTILITIES		\$12,343.92 / acre	\$740,635
G3020 Sanitary Sewerage Utilities		\$12,343.92 / acre	\$740,635
Sanitary Sewerage Piping, clean and line existing	1,550 lf	\$50.00 /lf	\$77,500
Sanitary Sewerage Piping, PVC, New	4,287 lf	\$105.00 /lf	\$450,135
Sanitary Manhole - Installed	34 ea	\$4,500.00 /ea	\$153,000
Tie-in to Existing Manholes / Pipe	1.00 cond	\$10,000.00 /cond	\$10,000
Grease Trap - Installed	2.00 ea	\$25,000.00 /ea	\$50,000
G3030 STORM DRAINAGE UTILITIES		\$93,243.29 / acre	\$5,594,598
G3032 Storm Drainage Piping		\$17,249.17 / acre	\$1,034,950
Excav / Bkfl / Install - 12" HDPE Storm Drainage	6,378 lf	\$85.00 /lf	\$542,130
Excav / Bkfl / Install - 15" HDPE Storm Drainage	1,595 lf	\$100.00 /lf	\$159,500
Excav / Bkfl / Install - 18" HDPE Storm Drainage	1,276 lf	\$110.00 /lf	\$140,360
Excav / Bkfl / Install - 24" HDPE Storm Drainage	850 lf	\$130.00 /lf	\$110,500
Excav / Bkfl / Install - 36" HDPE Storm Drainage	532 lf	\$155.00 /lf	\$82,460
G3033 Storm Sewer Structures		\$24,545.83 / acre	\$1,472,750
Storm Septors Water Quality Unit - Installed	27 ea	\$20,000.00 /ea	\$540,000
Precast Storm Manholes 4'- 6" - Installed	77 ea	\$5,250.00 /ea	\$404,250
Precast Storm Catch Basins - Installed	96 ea	\$4,750.00 /ea	\$456,000
Precast Storm Oil/Water Separator Tank - Installed	4.00 ea	\$12,500.00 /ea	\$50,000
Area Drains - Installed	9.00 ea	\$2,500.00 /ea	\$22,500
G3036.4 Site Subdrainage		\$8,333.33 / acre	\$500,000
Maintain Groundwater System Operation through construction (temp swales, etc)	1.00 allw	\$500,000.00 /allw	\$500,000
G3037 Storm Drainage Ponds & Reservoirs		\$43,114.96 / acre	\$2,586,898

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Underground Storm Water Retention System	49,179 sf	\$52.50 /sf	\$2,581,898
Flared End / Swale	2.00 cond	\$2,500.00 /cond	\$5,000
G40 ELECTRICAL SITE IMPROVEMENTS		\$34,185.56 / acre	\$2,051,134
D5020 ELECTRICAL SERVICE & DISTRIBUTION		\$8,578.69 / acre	\$514,721
D5021 Medium Voltage Conduit and Cabling		\$2,472.51 / acre	\$148,350
Precast Electric Manhole w/Cover 7 x 7 x 7.5	0.00 ea		\$0
Ground Transformer Pads	2.00 ea	\$2,487.78 /ea	\$4,976
Layout Transformer Pads	2.00 ea	\$2,487.78 /ea	\$4,976
Ovrehade power Power	1.00 ea	\$6,468.22 /ea	\$6,468
Ovrehade Telcom Power	1.00 ea	\$6,468.22 /ea	\$6,468
Precast Electric Manhole w/Cover 7 x 7 x 7.5 H-20 Load	7.00 ea	\$8,140.00 /ea	\$56,980
(2) 5" Empty PVC Conduit with pull string composite unit	1,330 lf	\$36.34 /lf	\$48,336
Existing overhead Services Removed	312 ea	\$18.59 /ea	\$5,801
Primary Cable Overhead	101 lf	\$71.73 /lf	\$7,245
Telcom Cable Overhead	99 lf	\$71.73 /lf	\$7,101
D5024 Large Power Feeder Conduit		\$6,087.87 / acre	\$365,272
3000 AMP EMT Composite feeders Copper - Large Power Secondaries	440 lf	\$1,080.16 /lf	\$475,272
3000 AMP EMT Composite feeders Copper - Large Power Secondaries - move xfrs 25% closer to building VE-E13	-55 lf	\$2,000.00 /lf	(\$110,000)
D5049 Site Lighting		\$18.32 / acre	\$1,099
100 AMP EMT Composite feeders Copper - Large Power	100 lf	\$10.99 /lf	\$1,099
D5040 LIGHTING		\$18,704.06 / acre	\$1,122,244
D5048 Sports Lighting		\$8,149.77 / acre	\$488,986
Site Lighting Branch	4,042 ea	\$24.04 /ea	\$97,153
Sports Lighting Heads	143 ea	\$3,476.72 /ea	\$497,171
Sports Lighting Pole	11 ea	\$16,280.00 /ea	\$179,080
Sports Lighting Pole Base	11 ea	\$8,650.00 /ea	\$95,150
Sports Lighting Pole Rigging	11 ea	\$6,402.99 /ea	\$70,433
Sports Lighting VE - delete from non-football fields VE E-04a	-1 ls	\$450,000.00 /ls	(\$450,000)
D5049 Site Lighting		\$10,554.29 / acre	\$633,257
Ground Pole Base	109 ea	\$1,020.00 /ea	\$111,180
Sitel Lighting Pole Base	109 ea	\$1,200.00 /ea	\$130,800
Small QUAZITE HANDHOLE NORMAL	109 ea	\$820.00 /ea	\$89,380
60 AMP PVC Composite feeder EV Shargins Station	800 lf	\$15.80 /lf	\$12,641
Electrical Vehicle Charging Station Charging Station @ Site	5.00 ea	\$11,056.00 /ea	\$55,280
Site Lighting - Single Head Pedestrian	48 ea	\$1,483.70 /ea	\$71,217
Site Lighting - Single Head Pole II	24 ea	\$1,820.00 /ea	\$43,680
Site Lighting - Single Head Pole IV	19 ea	\$1,820.00 /ea	\$34,580
Site Lighting - Dual Head Pole IV	18 ea	\$2,480.00 /ea	\$44,640
Site Lighting - cantenary Lighting per linear foot 5 rows - VE-E-18 provisions for future only (savings ~\$11,300)	1 ls	\$6,000.00 /ls	\$6,000
Site Lighting - Exterior Wall Pack	11 ea	\$740.00 /ea	\$8,140
Site Lighting - Inground Flood lights	1.00 ea	\$392.05 /ea	\$392

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Site Lighting - Led Recessed Downlight	19 ea	\$392.05 /ea	\$7,449
Site Lighting - Puck Lights at Ramp	152 ea	\$117.62 /ea	\$17,878
D5090 OTHER ELECTRICAL SYSTEMS		\$108.33 / acre	\$6,500
D5095 Miscellaneous Electrical Systems		\$108.33 / acre	\$6,500
Quad Shak Lighting Power and Teldata	1.00 ea	\$6,500.00 /ea	\$6,500
D6010 COMMUNICATIONS & SECURITY		\$1,794.48 / acre	\$107,669
D6013 Tel/Data System		\$1,794.48 / acre	\$107,669
Precast Electric Manhole w/Cover 7 x 7 x 7.5 H-20 Load	7.00 ea	\$8,140.00 /ea	\$56,980
(4) 4" Empty PVC Conduit with pull String composite unit	1,406 lf	\$36.05 /lf	\$50,689
G4020 SITE ELECTRICAL		\$5,000.00 / acre	\$300,000
G4025 Ductbanks, Manholes, & Handholes		\$5,000.00 / acre	\$300,000
Civil work for site electrical per recon	1.00 ls	\$400,000.00 /ls	\$400,000
Civil work for site electrical per recon - VE-04a - delete other sport field lighting besides football	-1 ls	\$100,000.00 /ls	(\$100,000)
G90 MISCELLANEOUS SITE CONSTRUCTION		\$5,918.27 / acre	\$355,096
G5010 SITE COMMUNICATIONS SYSTEMS		\$5,918.27 / acre	\$355,096
X9770 Conceptual Budget		\$5,918.27 / acre	\$355,096
Traffic Signal Work per Nitsch Engineering Budget 5-12-21	1.00 ls	\$355,096.00 /ls	\$355,096
Z GENERAL	60 acre	\$12,450.00 / acre	\$747,000
Z10 GENERAL REQUIREMENTS		\$12,450.00 / acre	\$747,000
Z1050 TEMPORARY FACILITIES & CONTROLS		\$12,450.00 / acre	\$747,000
Z1055 Temporary Construction		\$12,450.00 / acre	\$747,000
Emergency Spill Kit	1.00 ea	\$2,000.00 /ea	\$2,000
Temporary Water and Electric Service - Hook-up & Maintenance	1.00 ls	\$35,000.00 /ls	\$35,000
Temporary Walkways	1.00 ls	\$50,000.00 /ls	\$50,000
Water Truck / Dust Control	1.00 ls	\$30,000.00 /ls	\$30,000
Dewatering - Pumps / Maintenance - Demo/Foundation	1.00 ls	\$400,000.00 /ls	\$400,000
Temporary Parking - Fine Grade and Paving, incl's removal	1.00 ls	\$30,000.00 /ls	\$30,000
Temporary Roads / Access / Laydown	1.00 ls	\$50,000.00 /ls	\$50,000
Repair Existing Streets, Sidewalks	1.00 allw	\$50,000.00 /allw	\$50,000
Temporary Barriers & Public Safety	1.00 ls	\$25,000.00 /ls	\$25,000
Traffic Control - Install & Maintain	1.00 ls	\$25,000.00 /ls	\$25,000
Snow Removal	1.00 ls	\$25,000.00 /ls	\$25,000
Street Sweeping	1.00 ls	\$25,000.00 /ls	\$25,000
Remove Abandoned Utilities	0.00 ls		\$0
Remove Underground Obstructions	0.00 ls		\$0
TOTAL C3S1 SITE IMPROVEMENTS		\$657,342.42 / acre	\$39,440,545

Location 1	Quantity	Unit Cost	Total Cost
C3A1 MAIN BUILDING	380,570 SF	\$354.71 / SF	\$134,992,071
03 CONCRETE		\$27.00 / SF	\$10,274,253
04 MASONRY		\$17.04 / SF	\$6,483,620
05 METALS		\$48.02 / SF	\$18,276,461
06 WOOD, PLASTICS, & COMPOSITES		\$4.97 / SF	\$1,891,007
07 THERMAL & MOISTURE PROTECTION		\$39.83 / SF	\$15,158,266
08 OPENINGS		\$27.30 / SF	\$10,391,250
09 FINISHES		\$41.62 / SF	\$15,837,827
10 SPECIALTIES		\$4.27 / SF	\$1,624,487
11 EQUIPMENT		\$5.66 / SF	\$2,153,600
12 FURNISHINGS		\$4.80 / SF	\$1,827,550
14 CONVEYING EQUIPMENT		\$1.17 / SF	\$444,500
21 FIRE SUPPRESSION		\$6.25 / SF	\$2,377,495
22 PLUMBING		\$17.94 / SF	\$6,827,984
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)		\$59.86 / SF	\$22,782,246
26 ELECTRICAL		\$36.23 / SF	\$13,789,545
27 COMMUNICATIONS		\$7.52 / SF	\$2,863,338
28 ELECTRONIC SAFETY & SECURITY		\$2.03 / SF	\$770,838
31 EARTHWORK		\$2.27 / SF	\$864,405
32 EXTERIOR IMPROVEMENTS		\$0.93 / SF	\$353,400
C3A2 CONCESSIONS / LOCKER BUILDING	6,060 SF	\$365.14 / SF	\$2,212,752
03 CONCRETE		\$51.45 / SF	\$311,782
04 MASONRY		\$112.36 / SF	\$680,901
05 METALS		\$20.24 / SF	\$122,665
06 WOOD, PLASTICS, & COMPOSITES		\$6.88 / SF	\$41,673
07 THERMAL & MOISTURE PROTECTION		\$39.70 / SF	\$240,588
08 OPENINGS		\$36.50 / SF	\$221,165
09 FINISHES		\$52.82 / SF	\$320,100
10 SPECIALTIES		\$18.30 / SF	\$110,892
12 FURNISHINGS		\$4.11 / SF	\$24,900
14 CONVEYING EQUIPMENT		\$15.02 / SF	\$91,000
21 FIRE SUPPRESSION		\$7.73 / SF	\$46,845
22 PLUMBING		\$20.33 / SF	\$123,191
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)		\$66.83 / SF	\$405,000
26 ELECTRICAL		\$39.13 / SF	\$237,116
27 COMMUNICATIONS		\$3.52 / SF	\$21,325
28 ELECTRONIC SAFETY & SECURITY		\$6.03 / SF	\$36,569
33 UTILITIES		\$0.00 / SF	\$0

90 ALTERNATES & VALUE ENGINEERING		(\$135.80) / SF	(\$822,962)
C3A3 MAINTENANCE BUILDING	2,040 SF	\$312.45 / SF	\$637,399
03 CONCRETE		\$40.00 / SF	\$81,600
04 MASONRY		\$8.49 / SF	\$17,325
05 METALS		\$6.14 / SF	\$12,525
06 WOOD, PLASTICS, & COMPOSITES		\$3.56 / SF	\$7,265
07 THERMAL & MOISTURE PROTECTION		\$66.61 / SF	\$135,888
08 OPENINGS		\$22.17 / SF	\$45,230
09 FINISHES		\$9.31 / SF	\$19,000
10 SPECIALTIES		\$2.84 / SF	\$5,793
22 PLUMBING		\$15.32 / SF	\$31,251
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)		\$25.00 / SF	\$51,000
26 ELECTRICAL		\$87.24 / SF	\$177,963
27 COMMUNICATIONS		\$22.28 / SF	\$45,461
28 ELECTRONIC SAFETY & SECURITY		\$3.48 / SF	\$7,099
33 UTILITIES		\$0.00 / SF	\$0
C3A4 TICKET OFFICE / CONCESSIONS	1,730 SF	\$609.24 / SF	\$1,053,982
03 CONCRETE		\$39.86 / SF	\$68,960
04 MASONRY		\$72.63 / SF	\$125,644
05 METALS		\$6.18 / SF	\$10,699
06 WOOD, PLASTICS, & COMPOSITES		\$11.73 / SF	\$20,288
07 THERMAL & MOISTURE PROTECTION		\$125.70 / SF	\$217,455
08 OPENINGS		\$19.23 / SF	\$33,275
09 FINISHES		\$38.56 / SF	\$66,707
10 SPECIALTIES		\$27.99 / SF	\$48,418
12 FURNISHINGS		\$2.38 / SF	\$4,115
14 CONVEYING EQUIPMENT		\$52.60 / SF	\$91,000
22 PLUMBING		\$91.75 / SF	\$158,730
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)		\$49.83 / SF	\$86,200
26 ELECTRICAL		\$64.19 / SF	\$111,046
27 COMMUNICATIONS		\$2.51 / SF	\$4,342
28 ELECTRONIC SAFETY & SECURITY		\$4.11 / SF	\$7,104
33 UTILITIES		\$0.00 / SF	\$0
C3S1 SITE IMPROVEMENTS	60 acre	\$657,342.42 / acre	\$39,440,545
01 GENERAL REQUIREMENTS		\$12,450.00 / acre	\$747,000
02 EXISTING CONDITIONS		\$70,332.63 / acre	\$4,219,958
10 SPECIALTIES		\$500.00 / acre	\$30,000
11 EQUIPMENT		\$19,425.90 / acre	\$1,165,554
26 ELECTRICAL		\$27,391.09 / acre	\$1,643,465

Schematic - Reconciled + Accepted VE - CSI
Masterformat Sort

27 COMMUNICATIONS	\$1,794.48 / acre	\$107,669
31 EARTHWORK	\$239,864.68 / acre	\$14,391,881
32 EXTERIOR IMPROVEMENTS	\$158,774.10 / acre	\$9,526,446
33 UTILITIES	\$126,809.54 / acre	\$7,608,573

Subtotal Direct Cost	\$456.81 /SF	\$178,336,750
----------------------	--------------	---------------

Indirect Costs	Amount	Total Cost
Design and Estimating Contingency	7.50%	\$13,375,256
Subtotal		\$191,712,006
Escalation	9.50%	\$18,212,641
Projected Cost of Work		\$209,924,646
Subcontractor Bonds	1.30%	\$2,729,020
General Liability Insurance		\$2,410,793
Builders Risk		\$365,272
Payment and Performance Bond		\$1,850,710
Subtotal Insurances		\$217,280,442
CM General Conditions		\$9,687,591
Field Office Support		\$1,010,430
CM General Requirements		\$5,034,190
Cost of Work / Site Services		\$1,000,000
CM Contingency	2.50%	\$5,248,116
Subtotal 1		\$239,260,769
CM Fee	1.75%	\$4,261,642
Total Construction Cost		\$623.78 /SF \$243,522,411

C3A1 MAIN BUILDING

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
03 CONCRETE	380,570 SF	\$27.00 / SF	\$10,274,253
03 05 00 COMMON WORK RESULTS FOR CONCRETE		\$1.73 / SF	\$660,000
Weather Protection - Foundations	1.00 ls	\$100,000.00 /ls	\$100,000
Building Foundation Drainage - Perforated PVC (F&I) - Perimeter	3,400 lf	\$25.00 /lf	\$85,000
Building Foundation Drainage - Perforated PVC (F&I) - underslab	15,000 lf	\$25.00 /lf	\$375,000
Radon Mitigation	1.00 ls	\$100,000.00 /ls	\$100,000
03 10 00 CONCRETE FORMING & ACCESSORIES		\$5.61 / SF	\$2,136,135
Formwork - Continuous Footings	6,646 sfca	\$25.00 /sfca	\$166,150
Formwork - @ Basement Retaining Wall	27,768 sfca	\$25.00 /sfca	\$694,200
Formwork - @ Frost Wall	16,334 sfca	\$25.00 /sfca	\$408,350
Formwork - Retaining Wall Footings	2,511 sfca	\$25.00 /sfca	\$62,775
Formwork - Column Footings	24,744 sfca	\$25.00 /sfca	\$618,600
Formwork - Isolated Piers	2,560 sfca	\$25.00 /sfca	\$64,000
Formwork - Slab Edge	3,327 lf	\$20.00 /lf	\$66,540
Formwork - Slab Construction Joints	2,776 lf	\$20.00 /lf	\$55,520
03 20 00 CONCRETE REINFORCING		\$4.38 / SF	\$1,668,402
Rebar - Continuous Footings (F&I)	28 ton	\$3,000.00 /ton	\$84,000
Rebar - Basement Wall (F&I)	45 ton	\$3,000.00 /ton	\$135,000
Rebar - Frost Wall (F&I)	30 ton	\$3,000.00 /ton	\$90,000
Rebar - Retaining Wall Footings @ Wall (F&I)	44 ton	\$3,000.00 /ton	\$132,000
Rebar - Column Footings (F&I)	208 ton	\$3,000.00 /ton	\$624,000
Rebar - Isolated Piers (F&I)	4.00 ton	\$3,000.00 /ton	\$12,000
Welded Wire Mesh - Roof Deck (Incl. Overlap) F&I	32,958 sf	\$1.15 /sf	\$37,902
Welded Wire Mesh - Slab on Grade (Incl. Overlap) F&I	159,620 sf	\$1.25 /sf	\$199,525
Welded Wire Mesh - Structural Slabs (Incl. Overlap) F&I	283,180 sf	\$1.25 /sf	\$353,975
03 30 00 CAST-IN-PLACE CONCRETE		\$15.10 / SF	\$5,745,466
Isolated Piers - Complete \$/cy	37 cy	\$275.00 /cy	\$10,175
Reduce Columns to Typical 10' x 10	-1.00 ls	\$500,000.00 /ls	(\$500,000)
Elevator Pit Walls / Mat Slab - 2 ea	16 cy	\$1,500.00 /cy	\$24,000
Other Pit Walls / Mat Slab - Leveling & Equipment	65 cy	\$1,500.00 /cy	\$97,500
Concrete - Column Footings	2,768 cy	\$225.00 /cy	\$622,800
Concrete - Foundation Walls	403 cy	\$225.00 /cy	\$90,675
Curved Walls to straight / segment - VES01	-1.00 ls	\$20,000.00 /ls	(\$20,000)
F&I Concrete - Basement Wall	579 cy	\$225.00 /cy	\$130,275
Reduce Retaining Wall at Areaway, use rip rap at slope (keep walls in Site)	-1.00 ls	\$300,000.00 /ls	(\$300,000)
Concrete Material - (SOG)	3,091 cy	\$130.00 /cy	\$401,830
Concrete Material & Place -@ Roof Deck	796 cy	\$125.00 /cy	\$99,500
Buy & Place Slab on Deck Concrete 5.25"	3,989 cy	\$250.00 /cy	\$997,250
Concrete - Continuous Footings	370 cy	\$225.00 /cy	\$83,250
F&I Concrete - Retaining Wall Footings	579 cy	\$225.00 /cy	\$130,275
Finish Concrete - Roof Deck - Roof Wells / Green Roofs / Rooftop Play Area	25,159 sf	\$75.00 /sf	\$1,886,925

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Place & Finish Slab on Grade Concrete (6" @shops + 5" elsewhere)	138,800 sf	\$2.75 /sf	\$381,700
Finish Concrete - Metal Deck	246,200 sf	\$3.75 /sf	\$923,250
Finish Concrete - Roof Deck - AHU / Equip pads	3,500 sf	\$3.00 /sf	\$10,500
Superstructure Interior Pads Complete	1,000 sf	\$50.00 /sf	\$50,000
Roof Concrete - Concrete Curbs @ Roof Deck	1.00 ls	\$25,000.00 /ls	\$25,000
Concrete - Footing Steps	12 ea	\$1,500.00 /ea	\$18,000
Curved Foundations to straight / segment - VES01	-1.00 ls	(\$16,250.00) /ls	\$16,250
Housekeeping Pads	1,200 sf	\$50.00 /sf	\$60,000
Misc Curbs, Embeds	1.00 ls	\$50,000.00 /ls	\$50,000
Thickened Slab @CMU Walls	1,441 lf	\$175.00 /lf	\$252,175
Sawcut Slab on Grade Control Joints	8,328 lf	\$12.00 /lf	\$99,936
Change 5" SOG to 4" VES02	-1.00 ls	\$104,000.00 /ls	(\$104,000)
Cure / Protect Slab on Grade	138,800 sf	\$1.50 /sf	\$208,200
03 60 00 GROUTING		\$0.17 / SF	\$64,250
Column Diamonds, Grout - Isolated Footings	257 ea	\$250.00 /ea	\$64,250
04 MASONRY	380,570 SF	\$17.04 / SF	\$6,483,620
04 20 00 UNIT MASONRY		\$16.32 / SF	\$6,210,019
Interior CMU - 8"	114,252 sf	\$26.00 /sf	\$2,970,551
Interior CMU - 8" (2hr RATED)	655 sf	\$30.00 /sf	\$19,660
Interior CMU - 12"	25,939 sf	\$35.00 /sf	\$907,853
Exterior CMU - 8" CMU	26,314 sf	\$35.00 /sf	\$920,990
Exterior CMU - CMU Veneer	11,800 sf	\$35.00 /sf	\$413,000
Staging and Scaffolding - Exterior CMU - All exterior Masonry	11,800 sf	\$38.00 /sf	\$448,400
Exterior Wall Backup Wall CMU - AVG Backup Wall Assembly (6" CMU, Insul, Int. Gyp Bd - NO AVB)	26,314 sf	\$22.50 /sf	\$592,065
Exterior Wall Backup Wall CMU - target 10% reduction, change to LGMF - VE-A10	-1.00 ls	\$62,500.00 /ls	(\$62,500)
04 40 00 STONE ASSEMBLIES		\$0.72 / SF	\$273,602
Exterior Stone - Granite Veneer	5,585 sf	\$55.00 /sf	\$307,175
Exterior Stone - Granite Veneer - delete @ retaining walls - VE A09	5,585 sf	(\$57.74) /sf	(\$322,500)
Exterior Stone - Travertine	2,865 sf	\$50.00 /sf	\$143,250
Interior Stone - Travertine	2,914 sf	\$50.00 /sf	\$145,677
05 METALS	380,570 SF	\$48.02 / SF	\$18,276,461
05 10 00 STRUCTURAL METAL FRAMING		\$45.30 / SF	\$17,241,400
Structural Steel Superstructure Complete \$/ton	2,462 ton	\$4,900.00 /ton	\$12,063,800
Roof Framing Complete \$/ton (15#/sf typical, 20#/sf @ roof wells / intensive roof)	1,154 ton	\$4,400.00 /ton	\$5,077,600
Steel Supports Galvanized @ Equipment	20 ton	\$5,000.00 /ton	\$100,000
05 30 00 METAL DECKING		(\$1.83) / SF	(\$697,166)
Add Mezzanine (deck and slab complete)	1,800 sf	\$45.00 /sf	\$81,000
Adjust Tonnage (note on plans for 20#/sf incorrect)	-455.00 ton	\$4,800.00 /ton	(\$2,184,000)

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Adjust Unit \$ on tonnage per reconciliation	3,161 ton	\$250.00 /ton	\$790,250
Adjust Unit \$ on tonnage per VE	3,161 ton	(\$450.00) /ton	(\$1,422,450)
Metal Decking - Floor, 2"	246,200 sf	\$5.00 /sf	\$1,231,000
Metal Decking - Roof, 3"	131,668 sf	\$5.00 /sf	\$658,340
Metal Roof Deck - Acoustic @ Gym, Caf, & Main Entry	13,832 sf	\$10.75 /sf	\$148,694
05 40 00 COLD-FORMED METAL FRAMING		\$0.14 / SF	\$55,052
Geofoam - Stage Floor & Raised Platform	2,753 sf	\$20.00 /sf	\$55,052
05 50 00 METAL FABRICATIONS		\$4.41 / SF	\$1,677,175
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$42,000.00 /ls	\$42,000
Support Steel - Elev. Sill Angles	7.00 ea	\$1,500.00 /ea	\$10,500
Misc. Metals and Supports	390,740 gsf	\$0.75 /gsf	\$293,055
Stairs - Concrete In Steel Pan Stairs	15 flgt	\$7,500.00 /flgt	\$112,500
Stairs - Monument / Feature w/ Rails - Open Ornamental Stair, 1 location	3.00 flgt	\$105,200.00 /flgt	\$315,600
Stairs - Steel Pan w/ Rails - Typical Shaft Stair, 6 locations	15 flgt	\$22,000.00 /flgt	\$330,000
Railing Exterior Guardrail at Roof Patio Edge	195 lf	\$160.00 /lf	\$31,200
Guard Rail - Interior - Steel Railings (non - stair)	430 lf	\$90.00 /lf	\$38,700
Guard Rail - Interior - Auditorium	700 lf	\$300.00 /lf	\$210,000
Guard Rail - Interior - Glass Guardrail System	275 lf	\$525.00 /lf	\$144,375
Guard Rail - Interior - Wire Mesh Guard Rail at Perimeter of Mezzanine	425 lf	\$220.00 /lf	\$93,500
Railing Exterior Guardrail & Fence w/ privacy screen at Roof Patio Edge	115 lf	\$220.00 /lf	\$25,300
Elev. Sump Pit Covers-Galv.	2.00 ea	\$950.00 /ea	\$1,900
Stabilizer Clips-Galv. @ Exterior Masonry Walls	20,545 sf	\$1.00 /sf	\$20,545
Elev. Pit Ladders	2.00 ea	\$4,000.00 /ea	\$8,000
06 WOOD, PLASTICS, & COMPOSITES	380,570 SF	\$4.97 / SF	\$1,891,007
06 10 00 ROUGH CARPENTRY		\$4.11 / SF	\$1,562,440
Rough Carpentry @ Curbs	37 ea	\$750.00 /ea	\$27,750
Rough Carpentry Roofing	148,357 sf	\$1.50 /sf	\$222,536
Temporary Roof Perimeter Protection	1.00 allw	\$20,000.00 /allw	\$20,000
Temporary Roof Protection	1.00 allw	\$15,000.00 /allw	\$15,000
Interior Rough Carpentry	380,395 sf	\$2.00 /sf	\$760,790
Blocking @ Window Perimeter \$/lf	17,488 lf	\$15.00 /lf	\$262,320
Blocking @ Exterior Wall Mounted Railing \$/lf	310 lf	\$10.00 /lf	\$3,100
Blocking @ Exterior Louver \$/lf	850 lf	\$10.00 /lf	\$8,500
2x4 Stud Wall with Plywood - assume 8' high	3,134 sf	\$10.00 /sf	\$31,336
Plywood Sheathing with 2x8 Wood Joists	740 sf	\$15.00 /sf	\$11,107
Safety Related Carpentry - Safety Rails / Opening Protection	1.00 ls	\$200,000.00 /ls	\$200,000
06 40 00 ARCHITECTURAL WOODWORK		\$0.25 / SF	\$95,500
Custom Millwork Admin Mailbox Slots with Base Cabinet (in F&E Estimate)	0.00 nic		\$0
Custom Millwork Bench with Solid Surface Top (in F&E Estimate)	190 lf	\$0.00 /lf	\$0
Custom Millwork Cafe Counter w/ Quartz Top (in F&E Estimate)	24 lf	\$0.00 /lf	\$0

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Custom Millwork Media Center Desk with Solid Surface Top (in F&E Estimate)	45 lf	\$0.00 /lf	\$0
Custom Millwork Reception Desk with Solid Surface Top (in F&E Estimate)	62 lf	\$0.00 /lf	\$0
Custom Millwork Recycle Station @ Cafeteria (in F&E Estimate)	0.00 nic		\$0
Custom Millwork School Store (in F&E Estimate)	0.00 nic		\$0
Custom Millwork Trophy Display Cases (in F&E Estimate)	0.00 nic		\$0
Interior Misc. Millwork not shown or within F&E Estimate	0.00 nic		\$0
Wood Veneer Paneling - Interior Wall - Removed per Reconciliation Meeting 6/15	0.00 sf		\$0
Exterior Ceiling Linear Metal Ceiling W/ Wood Appearance, 4" Wide Plank	955 sf	\$100.00 /sf	\$95,500
06 60 00 PLASTIC FABRICATIONS		\$0.44 / SF	\$168,958
Interior Window Sills @ Exterior - Solid Surface - changed to PLAM per VE-A01	3,379 lf	\$50.00 /lf	\$168,958
06 80 00 COMPOSITE FABRICATIONS		\$0.17 / SF	\$64,109
FRP - Wall Paneling	3,771 sf	\$17.00 /sf	\$64,109
07 THERMAL & MOISTURE PROTECTION	380,570 SF	\$39.83 / SF	\$15,158,266
07 10 00 DAMPPROOFING & WATERPROOFING		\$0.86 / SF	\$329,044
Insulation / waterproofing - Foundation Walls	4,818 sf	\$12.00 /sf	\$57,816
Insulation / Fluid-Applied Waterproofing - Basement Walls	16,769 sf	\$12.00 /sf	\$201,228
Waterproof Pits - 2 ea - Elev	400 sf	\$25.00 /sf	\$10,000
Waterproof Pits -6 ea - Other	2,400 sf	\$25.00 /sf	\$60,000
07 20 00 THERMAL PROTECTION		\$3.85 / SF	\$1,464,213
Vapor Barrier / Rigid Insulation @ S.O.G.	138,800 sf	\$3.50 /sf	\$485,800
Vapor Barrier / Rigid Insulation @ S.O.G. delete insulation except at perimeter 2' - VE-A21	-130000.00 sf	\$2.85 /sf	(\$370,500)
Paint Sound Barrier Painted GWB Ceiling - CEILING OCCURRING BETWEEN STEEL GIRDERS	74,715 sf	\$1.00 /sf	\$74,715
Tapered Roof Insulation - Premium	41,199 sf	\$3.50 /sf	\$144,198
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	140,000 sfwa	\$7.00 /sfwa	\$980,000
Sun Shades Allowance - Exterior	1.00 allw	\$150,000.00 /allw	\$150,000
07 40 00 ROOFING & SIDING PANELS		\$17.60 / SF	\$6,696,195
Metal Panel Phenolic Wall Panels - Interior - Removed per Reconciliation Meeting 6/15	0.00 sf		\$0
PLAM Wall Panels - Interior	22,880 sf	\$50.00 /sf	\$1,144,000
Metal Panel Insulated Metal Panels	28,605 sf	\$65.00 /sf	\$1,859,325
Exterior ACM Aluminum Composite Material Ceiling - Exterior	3,500 sf	\$75.00 /sf	\$262,500
Metal Panel Flat-Lock Metal Tiles	4,050 sf	\$80.00 /sf	\$324,000
Metal Panel Corrugated Insulated Metal Panels	3,550 sf	\$75.00 /sf	\$266,250
Wall Panel Phenolic Panels	23,390 sf	\$88.00 /sf	\$2,058,320
ACM ACM - Siding - Composite Metal Panels	3,860 sf	\$80.00 /sf	\$308,800
ACM ACM Cornice - Tapered Roof Edge, varying widths	2,850 lf	\$160.00 /lf	\$456,000
Remove Overhang along West Side per SK rec;d 6-17	-1.00 ls	\$333,400.00 /ls	(\$333,400)

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
ACM ACM - Siding, Architectural Elements: 11' Short Ribs, 12 ea, 25sf single side	798 sf	\$80.00 /sf	\$63,840
ACM ACM - Siding, Architectural Elements: 23' Tall Ribs, 19 ea, 80sf single side	3,582 sf	\$80.00 /sf	\$286,560
07 50 00 MEMBRANE ROOFING		\$12.38 / SF	\$4,712,535
Green Roof System - Planter / Plantings Allowance	1.00 allw	\$50,000.00 /allw	\$50,000
Green Roof System - Stabilized Stoneduct Paving @ Courtyards	1,661 sf	\$1.00 /sf	\$1,661
Pre-Vegatated Roof Garden System	7,687 sf	\$35.00 /sf	\$269,062
Pre-Vegatated Roof Garden System (Intensive) @ Courtyards	3,384 sf	\$50.00 /sf	\$169,213
Pre-Vegatated Roof Garden System (Semi-Intensive) @ Courtyards	4,165 sf	\$35.00 /sf	\$145,765
Roof System A - Single Ply PVC Membrane, applied in max 2" layers, 6-1/2" Insul.	85,109 sf	\$25.00 /sf	\$2,127,713
Roof System B - PVC Single Ply Membrane w/ 6-1/2" Insulation	41,823 sf	\$25.00 /sf	\$1,045,566
Single Ply PVC Membrane at Cornice Conditions	25,000 sf	\$22.00 /sf	\$550,000
Waterproof Membrane under Green Roofs	15,236 sf	\$22.00 /sf	\$335,192
Roof System A/B - PVC Membrane Wall Flashing 18" high	2,623 sf	\$7.00 /sf	\$18,363
07 60 00 FLASHING & SHEET METAL		\$0.55 / SF	\$210,000
Sheet Metal Flashing & Trim Complete \$/sf	140,000 sfwa	\$1.25 /sfwa	\$175,000
Patch and Seal Roof Penetrations	1.00 ls	\$35,000.00 /ls	\$35,000
07 70 00 ROOF & WALL SPECIALTIES & ACCESSORIES		\$1.26 / SF	\$477,896
Elevator Roof Vent	2.00 ea	\$2,500.00 /ea	\$5,000
Roof Edge Fascia	1,175 lf	\$30.00 /lf	\$35,250
Smoke Hatches - Bilco Automatic Fire/Smoke Vent (4'6"x6'6")	3.00 ea	\$7,000.00 /ea	\$21,000
Pedestal Mounted Paver System @ Courtyard	9,345 sf	\$30.00 /sf	\$280,347
Pedestal Mounted Paver System @ Media Center	1,291 sf	\$30.00 /sf	\$38,735
Safety Surface @ Early Childhood	3,103 sf	\$25.00 /sf	\$77,563
Roofing Pavers/Walkways - Membrane, not shown	1.00 allw	\$20,000.00 /allw	\$20,000
07 80 00 FIRE & SMOKE PROTECTION		\$2.24 / SF	\$854,150
Applied Fireproofing Complete \$/sf	246200.00 sf		\$800,150
Misc. Patching of Fireproofing	2.00 ls	\$50,000.00 /ls	\$54,000
07 90 00 JOINT PROTECTION		\$1.09 / SF	\$414,233
Caulking and Sealants, Exterior - Total enclosure SF	140,000 sfwa	\$0.75 /sfwa	\$105,000
Misc. Interior Caulking - General	380,570 sf	\$0.76 /sf	\$289,233
Expansion Joints - Roofing, not shown	1.00 allw	\$20,000.00 /allw	\$20,000
08 OPENINGS	380,570 SF	\$27.30 / SF	\$10,391,250
08 10 00 DOORS & FRAMES		\$2.74 / SF	\$1,043,345
Install Interior Doors and Frames	576 leaf	\$270.00 /leaf	\$155,520
Door HM Double Exterior - Incl. Door, Frame, and Hardware	3.00 ea	\$7,000.00 /ea	\$21,000
Door HM Single Exterior - Incl. Door, Frame, and Hardware	5.00 ea	\$3,500.00 /ea	\$17,500
Glass & Alum Doors - Double Exterior - Incl. Door, Frame, and Hardware	24 ea	\$8,800.00 /ea	\$211,200
Glass & Alum Doors - Single Exterior - Incl. Door, Frame, and Hardware	8.00 ea	\$4,400.00 /ea	\$35,200

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Frame Hollow Metal - Interior - Single	367 ea	\$450.00 /ea	\$165,150
Frame Hollow Metal - Interior - Double	89 ea	\$500.00 /ea	\$44,500
Glazing Interior Sidelites - reduce to 18" wide per VE-A13	-1.00 ls	\$15,300.00 /ls	(\$15,300)
Glazing Interior Single Glass Door Frame and Hardware	7.00 leaf	\$3,000.00 /leaf	\$21,000
Glazing Interior Double Glass Door Frame and Hardware	16 pair	\$6,000.00 /pair	\$96,000
Door Wood Door - Interior - Single	367 leaf	\$535.00 /leaf	\$196,345
Door Wood Door - Interior - Double	89 pair	\$1,070.00 /pair	\$95,230
08 30 00 SPECIALTY DOORS & FRAMES		\$0.52 / SF	\$197,575
Door Insulated Overhead Coiling Door, Motor Operated, 1 each	115 sf	\$55.00 /sf	\$6,325
Door Motor Operated Overhead Door w/ Insulating Glass - Typ., 12 ea	2,250 sf	\$85.00 /sf	\$191,250
08 40 00 ENTRANCES, STOREFRONTS, & CURTAIN WALLS		\$21.95 / SF	\$8,352,365
Storefront Insulating Glass in Aluminum Storefront System	19,910 sf	\$100.00 /sf	\$1,991,000
VE-A06 - change storefront to IMP per sk recv'd 6-17	-1.00 ls	\$31,500.00 /ls	(\$31,500)
VE-A19 - change storefront to CMU on LGMF back-up per sk recv'd 6-18-21 (multiple trades)	-1.00 ls	\$45,200.00 /ls	(\$45,200)
Storefront - Interior	15,576 sf	\$75.00 /sf	\$1,168,172
Storefront - Interior (2' high Transom above door)	1,248 sf	\$75.00 /sf	\$93,589
Storefront - Interior (2' high Transom above door) - delete and change to GWB - VE-A012	-1.00 ls	\$73,700.00 /ls	(\$73,700)
Storefront - Interior, FIRE RATED	8,487 sf	\$150.00 /sf	\$1,273,004
Storefront - Interior, FIRE RATED - target 10% reduction VE-A11 (replace w GWB)	-1.00 ls	\$113,700.00 /ls	(\$113,700)
Curtain Wall Insulating Glass in Aluminum Curtain Wall System	34,255 sf	\$120.00 /sf	\$4,110,600
Curtain Wall Insulating Glass in Aluminum Curtain Wall System - Straight vs segmented	-1.00 ls	\$19,900.00 /ls	(\$19,900)
08 50 00 WINDOWS		\$1.04 / SF	\$395,000
Window Insulated Translucent Wall Panel System w/ Glazed Operable Sashes	3,935 sf	\$100.00 /sf	\$393,500
Transaction Window - Interior	1.00 ea	\$1,500.00 /ea	\$1,500
08 60 00 ROOF WINDOWS & SKYLIGHTS		\$0.25 / SF	\$96,900
Window Skylight, Prefab, Self-Support Insulating Glass In Alum. Framing	570 sf	\$170.00 /sf	\$96,900
08 80 00 GLAZING		\$0.08 / SF	\$30,465
Art Glass Panels @ Cafeteria (PREMIUM)	219 sf	\$25.00 /sf	\$5,465
Glazing - Interior Ballistic, not shown Allowance	1.00 allw	\$25,000.00 /allw	\$25,000
08 90 00 LOUVERS & VENTS		\$0.72 / SF	\$275,600
Screen Wall RTU Screen @ mech. equip.	2,245 sf	\$80.00 /sf	\$179,600
Louver Exterior Louvers	960 sf	\$100.00 /sf	\$96,000
09 FINISHES	380,570 SF	\$41.62 / SF	\$15,837,827
09 20 00 PLASTER & GYPSUM BOARD		\$20.44 / SF	\$7,780,428
Wall Type (F4.0) 3-5/8" MS, 1lyr 5/8" GWB OS	12,654 sf	\$8.00 /sf	\$101,230
Wall Type (F6) 6" MS, 1lyr 5/8" GWB OS	37,139 sf	\$10.00 /sf	\$371,391
Wall Type (F6.0A) 6" MS, 2lyrs 5/8" GWB OS	594 sf	\$12.00 /sf	\$7,125

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Wall Type (F4.0A) 3-5/8" MS, 2lyrs 5/8" GWB OS	6,495 sf	\$10.00 /sf	\$64,952
Wall Type (G4.0) 3-5/8" MS, 1lyr 5/8" GWB ES, 3-1/2" Acoustic Batt	274 sf	\$12.00 /sf	\$3,286
Wall Type (G6.0) 6" MS, 1lyr 5/8" GWB ES, 5" Acoustic Batt	71,218 sf	\$13.00 /sf	\$925,828
Wall Type (G6.0A) 6" MS, 2lyrs 5/8" GWB ES, 5" Acoustic Batt	53,947 sf	\$14.00 /sf	\$755,252
Wall Type (G6.0B) 6" MS, 2lyrs 5/8" GWB ES, 5" Acoustic Batt	60,840 sf	\$14.00 /sf	\$851,767
Wall Type (G6.2) 6" MS, 2lyrs 5/8" GWB ES, 5" Acoustic Batt, 2hr RATED	13,519 sf	\$16.00 /sf	\$216,302
Wall Type (S6.2) 1" Liner, 6" MS, 5-1/2" Acoustic, 2lyrs 5/8" GWB, 2hr RATED	29,700 sf	\$18.00 /sf	\$534,605
Partition - Premium Abuse Resistant Drywall	126,819 sf	\$1.25 /sf	\$158,523
Exterior Ceiling Plaster Soffit - Exterior	1,060 sf	\$18.00 /sf	\$19,080
Exterior Ceiling Finishes Paint, Stain, and Finish Exterior Ceilings	5,515 sf	\$2.50 /sf	\$13,788
Ceiling - GWB Soffit - Interior	7,116 sf	\$18.00 /sf	\$128,092
Ceiling - GWB Soffit - Interior, not shown	1.00 allw	\$50,000.00 /allw	\$50,000
GWB GWB Ceiling, Moisture Resistant GWB Ceiling	35,870 sf	\$14.50 /sf	\$520,115
GWB GWB Ceiling, Typical	15,310 sf	\$13.00 /sf	\$199,030
Ceiling - GWB Soffit - Interior @ Curved Media Center	426 sf	\$25.00 /sf	\$10,658
Exterior Wall Backup GWB Stud Wall - 3 5/8" MS, AVB, Dens Glass, Insul., 5/8 GWB	79,186 sf	\$19.00 /sf	\$1,504,534
GWB GWB Sound Barrier Ceiling - 2 layers 5/8" GWB, 7/8" Metal Furring, 3.5" Ball Insulation	74,715 sf	\$18.00 /sf	\$1,344,870
09 30 00 TILING		\$0.91 / SF	\$346,105
Ceramic Wall Tile	50,791 sf	\$24.00 /sf	\$1,218,979
Option 1 Wall Finishes (multiple materials, see VE detail)	-1.00 ls	\$1,549,200.00 /ls	(\$1,549,200)
Ceramic Tile Base	2,470 lf	\$19.25 /lf	\$47,548
Ceramic Floor Tile - Mosaic	6,705 sf	\$24.00 /sf	\$160,920
Thin Porcelain Wall Tile	25,614 sf	\$18.00 /sf	\$461,058
Stone Thresholds at wet rooms	68 sf	\$100.00 /sf	\$6,800
09 50 00 CEILINGS		\$5.11 / SF	\$1,943,886
ACT-1 Acoustical Ceiling Tiles - 2 X 2 HIGH NRC ACOUSTICAL CEILING TILE	182,745 sf	\$6.50 /sf	\$1,187,843
ACT-2 Acoustical Ceiling Tiles - 2 X 2 WASHABLE ACOUSTICAL CEILING TILE FOR KITCHEN LOCATIONS	8,195 sf	\$8.50 /sf	\$69,658
ACT-4 Acoustical Ceiling Tiles - 2 X 6 HIGH NRC TEGULAR ACOUSTICAL CEILING TILE	4,520 sf	\$8.00 /sf	\$36,160
ACT-3 Acoustical Ceiling Tiles - 2 X 2 HIGH NRC TEGULAR ACOUSTICAL CEILING TILE AT ADMIN AREAS	13,390 sf	\$6.75 /sf	\$90,383
Ceiling Finishes (multiple materials, see VE detail)	-1.00 ls	\$525,692.00 /ls	(\$525,692)
Interior Ceiling Linear Metal Ceiling W/ Woodlook, 4" Wide Plank - unit \$ adjusted per sub (VEA36)	14,480 sf	\$50.00 /sf	\$724,000
Hung Ceiling Mesh Metal Ceiling	1,935 sf	\$35.00 /sf	\$67,725
ACPCP Acoustical Preformed Ceiling Panels	2,680 sf	\$22.00 /sf	\$58,960
EAVB Aluminum Vertical Blade Ceiling System	7,490 sf	\$25.00 /sf	\$187,250
ACM Aluminum Composite Material Ceiling - Interior	595 sf	\$80.00 /sf	\$47,600
09 60 00 FLOORING		\$10.36 / SF	\$3,943,641

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Sealed Concrete	78,645 sf	\$2.75 /sf	\$216,274
Wood Sprung Stage Flooring	2,050 sf	\$22.00 /sf	\$45,100
Wood Flooring - Premium for Markings on Athletic Wood Floor	2,050 sf	\$1.00 /sf	\$2,050
Athletic Sports Flooring	2,990 sf	\$16.50 /sf	\$49,335
Athletic Sports Wood Flooring - Gym	12,600 sf	\$21.00 /sf	\$264,600
Linoleum	67,410 sf	\$7.00 /sf	\$471,870
Sheet Vinyl - Slip Resistant	8,280 sf	\$7.00 /sf	\$57,960
Sheet Vinyl Flooring	64,350 sf	\$6.50 /sf	\$418,275
Rubber Flooring at Stair Treads and Risers	9,845 sf	\$32.00 /sf	\$315,040
Rubber Tile Flooring	50,670 sf	\$15.00 /sf	\$760,050
Rubber Tile Flooring - Athletic Cleat Resistant	900 sf	\$19.00 /sf	\$17,100
Foot Grille Carpet	825 sf	\$50.00 /sf	\$41,250
Rubber Base	38,410 lf	\$3.00 /lf	\$115,230
Terrazzo Base	2,790 lf	\$14.00 /lf	\$39,060
Epoxy Terrazzo	29,850 sf	\$35.00 /sf	\$1,044,750
Option 1 Floor Finishes (multiple materials, see VE detail)	-1.00 ls	\$341,836.00 /ls	(\$341,836)
Moisture Mitigation @ Tile	6,705 sf	\$2.53 /sf	\$16,964
Epoxy Flooring - Poured	13,450 sf	\$14.00 /sf	\$188,300
Floor Patching Allowance	1.00 allw	\$85,000.00 /allw	\$85,000
Floor Prep / Leveling Allowance	1.00 allw	\$20,000.00 /allw	\$20,000
Carpet - Tile	19,890 sf	\$5.00 /sf	\$99,450
Carpet - Walk Off Carpet	1,485 sf	\$12.00 /sf	\$17,820
09 70 00 WALL FINISHES		\$0.40 / SF	\$153,696
Decorative Fabric Metal Panel - Interior	493 sf	\$90.00 /sf	\$44,408
Flat Lock Metal Tiles - Interior	1,366 sf	\$80.00 /sf	\$109,288
09 80 00 ACOUSTIC TREATMENT		\$0.04 / SF	\$14,850
Hung Ceiling Mesh Metal Ceiling With Acrylic Panel Backing	330 sf	\$45.00 /sf	\$14,850
09 90 00 PAINTING & COATING		\$4.35 / SF	\$1,655,222
Door Barn Doors and Hardware	4.00 ea	\$850.00 /ea	\$3,400
Door Overhead Coiling Doors - Interior	2.00 leaf	\$6,000.00 /leaf	\$12,000
Door Wire Mesh Partition Door	2.00 leaf	\$350.00 /leaf	\$700
Glazing Vision Panels in Wood Doors	200 ea	\$100.00 /ea	\$20,000
Hardware Interior Door Hardware Per Leaf	576 leaf	\$600.00 /leaf	\$345,600
Paint Paint Interior Doors	576 leaf	\$100.00 /leaf	\$57,600
Paint Interior - Door & Frames	466 ea	\$100.00 /ea	\$46,600
Paint Interior GWB Walls	192,392 sf	\$1.00 /sf	\$192,392
Paint Interior GWB Walls - Soffits	7,543 sf	\$1.00 /sf	\$7,543
Paint Interior Walls - Epoxy	132,433 sf	\$3.50 /sf	\$463,517
Paint Interior CMU Walls	126,605 sf	\$1.25 /sf	\$158,256
Paint Interior Pre-Cast Concrete Walls	4,027 sf	\$1.25 /sf	\$5,034
Misc. Interior Painting	1.00 allw	\$50,000.00 /allw	\$50,000
Paint Interior Metal Pan Stairs	25 flgt	\$1,500.00 /flgt	\$37,500
Paint Painted Interior GWB - Moisture Resistant GWB Ceiling	35,870 sf	\$1.00 /sf	\$35,870
Paint Painted Interior GWB - Typical Ceilings - Latex	15,310 sf	\$1.00 /sf	\$15,310

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Paint Exposed Painted Structural Steel & Metal Deck	67,160 sf	\$2.50 /sf	\$167,900
Exterior Enclosure Painting, Staining & Transparent Finishing	400 mhr	\$90.00 /mhr	\$36,000
10 SPECIALTIES	380,570 SF	\$4.27 / SF	\$1,624,487
10 10 00 INFORMATION SPECIALTIES		\$1.29 / SF	\$492,750
White / Marker Boards - Small 4' x 4'	100 ea	\$500.00 /ea	\$50,000
White / Marker Boards - Medium 4' x 6'	268 ea	\$750.00 /ea	\$201,000
Corkboards / Tack Boards - Large 4' x 8'	124 ea	\$450.00 /ea	\$55,800
Corkboards / Tack Boards - Small 4' x 4'	115 ea	\$900.00 /ea	\$103,500
Exterior Signage Name and logo sign attached to enclosure, Aluminum	1.00 ls	\$6,000.00 /ls	\$6,000
Signage Dedication Plaques Allowance - Interior	1.00 allw	\$5,000.00 /allw	\$5,000
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$10,000.00 /ls	\$10,000
Signage Room Identification Signs - Interior	370 ea	\$85.00 /ea	\$31,450
Signage Additional Signage Allowance - Interior	1.00 allw	\$10,000.00 /allw	\$10,000
Signage Branding and Graphics Allowance - Interior, including large format wall murals and panels.	1.00 allw	\$20,000.00 /allw	\$20,000
10 20 00 INTERIOR SPECIALTIES		\$0.88 / SF	\$334,111
Cubicles Cubicle Curtains and Track at Nurse's Area.	1.00 ls	\$7,000.00 /ls	\$7,000
Toilet Compartment - Plastic Laminate - Standard	35 stall	\$1,200.00 /stall	\$42,000
Toilet Compartment - Plastic Laminate - Handicapped	13 stall	\$1,500.00 /stall	\$19,500
Urinal Screen - Plastic Laminate	31 ea	\$425.00 /ea	\$13,175
Wire Mesh Partition (assume 8' high) - Interior	1,151 sf	\$9.00 /sf	\$10,361
Wall & Door Protection Complete \$/sf, including corner guards	390,740 gsf	\$0.10 /gsf	\$39,074
Toilet Accessories - Unload / Store / Categorize	550 mhr	\$90.00 /mhr	\$49,500
Toilet Accessories - Distribute / Install	550 mhr	\$90.00 /mhr	\$49,500
Non Restroom Soap: Soap Dispenser, Wall Mtd.	143 ea	\$80.00 /ea	\$11,440
Restroom Soap: Soap Dispenser, Wall Mtd.	69 ea	\$80.00 /ea	\$5,520
Restroom Paper Towel Dispenser & Trash, Semi Recessed	61 ea	\$205.00 /ea	\$12,505
Restroom Toilet Paper Dispenser, Wall Mtd.	87 ea	\$100.00 /ea	\$8,700
Restroom Sanitary Napkin Disposal, Recessed	87 ea	\$75.00 /ea	\$6,525
Restroom Soap: Shampoo Dispenser, Shower Wall Mtd.	6.00 ea	\$90.00 /ea	\$540
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	52 ea	\$43.00 /ea	\$2,236
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	122 ea	\$45.00 /ea	\$5,490
Non Restroom Lit Mirror: Single Mirror: Light in Framed Mirror Unit	10 ea	\$520.00 /ea	\$5,200
Non Restroom Mirror: Full Height Frameless Mirror Allowance - Weight room, Fitness Room, Locker Rooms, Changing Rooms, Misc.	1.00 allw	\$10,500.00 /allw	\$10,500
Restroom Grab Bar: 60" "L" Shaped, Shower, Curved, Wall Mtd.	6.00 ea	\$115.00 /ea	\$690
Restroom Baby Changing Station; Wall Mtd.	4.00 ea	\$220.00 /ea	\$880
Non Restroom Hook: Multiple Coat Hook, Coat Rack, Wall Mtd.	16 ea	\$70.00 /ea	\$1,120
Restroom Mirror: Single Mirror: Framed Mirror Unit	69 ea	\$165.00 /ea	\$11,385
Restroom Shower curtain and rod, typ. shower unit	6.00 ea	\$80.00 /ea	\$480
Restroom Shower Seat @ ADA shower units	6.00 ea	\$230.00 /ea	\$1,380

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Janitor Shelf: S.S. Utility Shelf w/ Mop and Broom Holders	8.00 ea	\$155.00 /ea	\$1,240
Janitor Shelf: SS Shelf 8" D x 24" W	8.00 ea	\$65.00 /ea	\$520
Non Restroom Hook: Coat Hook, Door / Wall Mtd.	43 ea	\$20.00 /ea	\$860
Restroom Hook: Coat Hook, Stall Wall Mtd.	53 ea	\$20.00 /ea	\$1,060
Non Restroom Paper Towel Dispenser, Wall Mtd.	143 ea	\$110.00 /ea	\$15,730
10 40 00 SAFETY SPECIALTIES		\$0.31 / SF	\$118,700
Fire Extinguisher Cabinets - Semi-Recessed	250 ea	\$405.00 /ea	\$101,250
AED Cabinets, units, and accessories	10 ea	\$1,745.00 /ea	\$17,450
10 50 00 STORAGE SPECIALTIES		\$1.78 / SF	\$678,926
Lockers Locker Room: Single and multi-tier lockers on conc, base, 15" x 15"	428 ea	\$300.00 /ea	\$128,400
Lockers Shop Lockers 2 Tier, 15" Wide x 15" Deep	204 ea	\$325.00 /ea	\$66,300
Lockers Corridor Lockers 2 Tier, 15" Wide x 15" Deep on wood base	1,226 ea	\$375.00 /ea	\$459,750
Lockers Cosmetology Lockers: Single &/or double tier, 2' w x 2.5' d	22 ea	\$475.00 /ea	\$10,450
Locker Benches	216 lf	\$65.00 /lf	\$14,026
Storage Wall Shelving - Metal (In F&E Estimate)	768 lf	\$0.00 /lf	\$0
11 EQUIPMENT	380,570 SF	\$5.66 / SF	\$2,153,600
11 30 00 RESIDENTIAL EQUIPMENT		\$0.10 / SF	\$39,600
Rooftop Play Equipment - Per F&E Estimate	1.00 ls	\$39,600.00 /ls	\$39,600
HVAC / Plumbing Equipment - Per F&E Estimate - shift to FFE per VE-EQ3	0.00 excl		\$0
11 40 00 FOODSERVICE EQUIPMENT		\$3.00 / SF	\$1,140,000
Food Service Equipment (Culinary and Main Kitchen) - Per F&E Estimate (red from \$1.2, VE EQ1	1.00 ls	\$1,140,000.00 /ls	\$1,140,000
11 50 00 EDUCATIONAL & SCIENTIFIC EQUIPMENT		\$0.00 / SF	\$0
Cosmetology - Wet Station / Manicure / Styling / Pedicure per F&E Estimate - Shift to FFE per VE-EQ3	0.00 excl		\$0
Automotive Refinishing - Downdraft Booths/Frame	0.00 excl		\$0
Machine/Powder Coating Room and Oven - Move to FFE - VE EQ3			
Automotive Tech - Lifts - Per F&E Estimate - Move to FFE - VE EQ3	0.00 excl		\$0
11 60 00 ENTERTAINMENT & RECREATION EQUIPMENT		\$2.56 / SF	\$974,000
Stage Curtains and Rigging - Powered rigging - Per F&E Estimate - target red from \$650k per VE-EQ2	1.00 ls	\$450,000.00 /ls	\$450,000
Theater - Auditorium Fixed Seating	750 ea	\$300.00 /ea	\$225,000
Basketball Backstops - Per F&E Estimate	1.00 ls	\$27,000.00 /ls	\$27,000
Divider Curtains - Per F&E Estimate	1.00 ls	\$32,000.00 /ls	\$32,000
Gym Flexible Stainless Steel Safety Netting By Metal Fabrications (2695 sf)	0.00 sf		\$0
Gym Wall Padding - Per F&E Estimate	1.00 ls	\$25,000.00 /ls	\$25,000
Telescoping Bleachers - Per F&E Estimate	1.00 ls	\$215,000.00 /ls	\$215,000
11 70 00 HEALTHCARE EQUIPMENT		\$0.00 / SF	\$0

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Dental Equipment - Including chairs, Pano per F&E Estimate - Move to FFE - EQ3	0.00 excl		\$0
12 FURNISHINGS	380,570 SF	\$4.80 / SF	\$1,827,550
12 20 00 WINDOW TREATMENTS		\$1.00 / SF	\$378,800
Tension motorized shade required at the "dome" skylight. (Exterior)	600 sf	\$40.00 /sf	\$24,000
Vertical Blinds - Manual Operated - Administration Areas (Exterior)	1,300 sf	\$10.00 /sf	\$13,000
Roller Shades - Manual Operated - Classrooms, Science Labs, Art rooms (Exterior)	22,545 sf	\$10.00 /sf	\$225,450
Window Shades - Manual Operated - Interior	174 ea	\$150.00 /ea	\$26,100
Roller Shades - Electrically Operated - Library / Media Center (Exterior)	3,610 sf	\$25.00 /sf	\$90,250
12 30 00 CASEWORK		\$3.81 / SF	\$1,448,750
Fixed Casework & Equipment per F&E Estimate - Per Reconciliation 6/15 in E10 red from \$1.525 per VE-EQ1	1.00 ls	\$1,448,750.00 /ls	\$1,448,750
Casework - Base Cabinet (Admin) - In F&E Estimate	12 lf	\$0.00 /lf	\$0
Casework - Base Cabinet (Cafe) - In F&E Estimate	5.00 lf	\$0.00 /lf	\$0
Casework - Base Cabinet (Classroom) - In F&E Estimate	444 lf	\$0.00 /lf	\$0
Casework - Base Cabinet (Science) - In F&E Estimate	884 lf	\$0.00 /lf	\$0
Casework - Wall Cabinet (Admin) - In F&E Estimate	12 lf	\$0.00 /lf	\$0
Casework - Wall Cabinet (Classroom) - In F&E Estimate	163 lf	\$0.00 /lf	\$0
Casework - Wall Cabinet (Science) - In F&E Estimate	585 lf	\$0.00 /lf	\$0
Casework - Full Height Cabinet (Classroom) - In F&E Estimate	570 lf	\$0.00 /lf	\$0
Casework - Full Height Storage Cabinet (Science) - In F&E Estimate	65 lf	\$0.00 /lf	\$0
Casework Countertop - PLAM @ Admin (12 lf)	0.00 lf		\$0
Casework Countertop - Solid Surface @ Cafe (18 lf)	0.00 lf		\$0
Casework Countertop - Solid Surface @ Classroom - In F&E Estimate	896 lf	\$0.00 /lf	\$0
Casework Countertop - Chemical Resistent @ Science (927 lf)	0.00 lf		\$0
14 CONVEYING EQUIPMENT	380,570 SF	\$1.17 / SF	\$444,500
14 20 00 ELEVATORS		\$1.17 / SF	\$444,500
Elevator, Passenger (Otis Gen2, 3,500 capacity), 2 ea	9.00 stop	\$45,500.00 /stop	\$409,500
Cab Finish Premium Allowance	1.00 ls	\$35,000.00 /ls	\$35,000
21 FIRE SUPPRESSION	380,570 SF	\$6.25 / SF	\$2,377,495
21 00 00 FIRE-SUPPRESSION SYSTEMS		\$0.30 / SF	\$115,619
Coordination & Expenses	385,395 sf	\$0.30 /sf	\$115,619
21 10 00 WATER-BASED FIRE-SUPPRESSION SYSTEMS		\$5.81 / SF	\$2,211,876
Standpipes & Fire Mains	380,395 sf	\$0.75 /sf	\$285,296
Sprinkler Distribution Piping Complete	380,395 sf	\$4.00 /sf	\$1,521,580
Sprinkler System - Paint Spray Booths	1.00 ls	\$20,000.00 /ls	\$20,000

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Sprinkler Heads	3,500 ea	\$110.00 /ea	\$385,000
21 30 00 FIRE PUMPS		\$0.13 / SF	\$50,000
Electric Fire Pump, 1000 GPM	1.00 ea	\$45,000.00 /ea	\$45,000
Jockey Pump	1.00 ea	\$5,000.00 /ea	\$5,000
22 PLUMBING	380,570 SF	\$17.94 / SF	\$6,827,984
22 00 00 PLUMBING		\$1.37 / SF	\$523,043
Admin & Expenses	380,395 sf	\$1.38 /sf	\$523,043
22 10 00 PLUMBING PIPING		\$13.06 / SF	\$4,970,140
Sub-Meters	1.00 ls	\$11,000.00 /ls	\$11,000
Domestic Hot & Cold Water Piping	18,000 lf	\$55.00 /lf	\$990,000
Kitchen Hot & Cold Water Piping	2,500 lf	\$44.00 /lf	\$110,000
Non-Potable / Tempered Water Piping	6,000 lf	\$44.00 /lf	\$264,000
Insulation	26,500 lf	\$11.00 /lf	\$291,500
Valves & Accessories	1.00 ls	\$82,500.00 /ls	\$82,500
Circulating Pump - 140 Hot Water	1.00 ea	\$1,650.00 /ea	\$1,650
Circulating Pump - DHWH	2.00 ea	\$1,650.00 /ea	\$3,300
Circulating Pump - NPHWH	1.00 ea	\$1,650.00 /ea	\$1,650
Circulating Pump - Tempered Water	2.00 ea	\$1,650.00 /ea	\$3,300
Thermostatic Mixing Valve, 2"	5.00 ea	\$5,500.00 /ea	\$27,500
Domestic Water Booster Pump	1.00 ea	\$44,000.00 /ea	\$44,000
Backflow Preventers	1.00 ls	\$33,000.00 /ls	\$33,000
Kitchen Equipment Connections	1.00 ls	\$66,000.00 /ls	\$66,000
Science Classroom / Bio-Tech Equipment Connections	1.00 ls	\$11,000.00 /ls	\$11,000
Shop Equipment Connections	1.00 ls	\$55,000.00 /ls	\$55,000
Water Meters	1.00 ls	\$5,500.00 /ls	\$5,500
Elevator Sump Pump	2.00 ea	\$4,950.00 /ea	\$9,900
Trap Primers & Associated Piping	125 ea	\$550.00 /ea	\$68,750
Domestic Hot Water Heater - Exhaust & Breaching	4.00 ea	\$5,500.00 /ea	\$22,000
Electric Water Heaters - Point of Use	5.00 ea	\$1,100.00 /ea	\$5,500
Area Drains	8.00 ea	\$1,155.00 /ea	\$9,240
Floor Drain W/Trap	125 ea	\$950.00 /ea	\$118,750
Shop Waste & Vent Piping - AG / UG	1,200 lf	\$66.00 /lf	\$79,200
Sanitary Waste & Vent Piping - UG & AG	17,150 lf	\$71.50 /lf	\$1,226,225
Accessories (Floor Cleanout, Wall Cleanout,etc)	1.00 ls	\$44,000.00 /ls	\$44,000
Grease Waste & Vent Piping - UG & AG	2,500 lf	\$66.00 /lf	\$165,000
Insulation - Storm	1,700 lf	\$16.50 /lf	\$28,050
Roof / Overflow Drains - Combo	75 ea	\$1,501.50 /ea	\$112,613
Grease Interceptor	2.00 ea	\$44,000.00 /ea	\$88,000
Local Grease Interceptor	4.00 ea	\$2,750.00 /ea	\$11,000
Gas / Oil Interceptor Shops	2.00 ea	\$22,000.00 /ea	\$44,000
Oil Separator - Elevators	2.00 ea	\$5,500.00 /ea	\$11,000
Accessories (Floor Cleanouts, Wall Cleanouts, etc.) - Storm	1.00 ls	\$22,000.00 /ls	\$22,000
Storm / Overflow Drainage Piping	6,825 lf	\$104.50 /lf	\$713,213

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
VE-P-05 - delete secondary roof drainage system (includes \$10k offset add for scuppers)	-1.00 ls	\$115,000.00 /ls	(\$115,000)
Medical Air / Compressed Air Piping	3,100 lf	\$44.00 /lf	\$136,400
Compressed Air Hose Reels	10 ea	\$1,100.00 /ea	\$11,000
Compressed Air Outlets	70 ea	\$880.00 /ea	\$61,600
Compressed Air System - Dentistry & Boitech	2.00 ea	\$11,000.00 /ea	\$22,000
Compressed Air System - Shop Areas	2.00 ea	\$19,800.00 /ea	\$39,600
Vacuum System - Dentistry & Bio-Tech Areas	2.00 ea	\$11,000.00 /ea	\$22,000
Valves & Accessories	1.00 ls	\$13,200.00 /ls	\$13,200
22 30 00 PLUMBING EQUIPMENT		\$0.35 / SF	\$133,430
Domestic Hot Water Heaters	4.00 ea	\$27,500.00 /ea	\$110,000
Natural Gas Control at Kitchen Exhaust Hood	2.00 ea	\$165.00 /ea	\$330
Natural Gas Shut off Valve & Cabinet	8.00 ea	\$1,650.00 /ea	\$13,200
Expansion Tank	6.00 ea	\$1,650.00 /ea	\$9,900
22 40 00 PLUMBING FIXTURES		\$1.99 / SF	\$755,931
Water Closet - Wall Hung	88 ea	\$2,469.50 /ea	\$217,316
Urinal	12 ea	\$1,760.00 /ea	\$21,120
Lavatory - Wall	72 ea	\$1,573.00 /ea	\$113,256
Sink - Stainless Steel, 1 Comp	21 ea	\$1,320.00 /ea	\$27,720
Sink - Bio-Tech & Sci Classroom - Installation & Trim	72 ea	\$1,050.50 /ea	\$75,636
Sink - Dental Assit	9.00 ea	\$1,523.50 /ea	\$13,712
Sink - Health / Medical Assist	20 ea	\$1,523.50 /ea	\$30,470
Sink at Dental Chair - Installation & Trim	17 ea	\$715.00 /ea	\$12,155
Mop Sink	6.00 ea	\$1,815.00 /ea	\$10,890
Allowance for Additional Plumbing Fixtures	25 ea	\$2,750.00 /ea	\$68,750
Cosmetology Sink - Hook-ups	20 ea	\$715.00 /ea	\$14,300
Drinking Foutain - Bi-Level Electric	10 ea	\$2,310.00 /ea	\$23,100
Science Lab Equipment Connections	1.00 ls	\$5,500.00 /ls	\$5,500
Solid Surface Sink, 2 Station	2.00 ea	\$4,950.00 /ea	\$9,900
Wash Stations at Shops	6.00 ea	\$5,500.00 /ea	\$33,000
Washing Machine Box	10 ea	\$280.50 /ea	\$2,805
Shower - (Trim & Drain)	8.00 ea	\$1,688.50 /ea	\$13,508
Emergency Shower/Eyewash	24 ea	\$1,567.50 /ea	\$37,620
Emergency Eyewash	5.00 ea	\$467.50 /ea	\$2,338
Hose Bibb	20 ea	\$187.00 /ea	\$3,740
Wall Hydrant	16 ea	\$357.50 /ea	\$5,720
NG Gas Turret - Hook Up	64 ea	\$209.00 /ea	\$13,376
22 60 00 GAS & VACUUM SYSTEMS FOR LABORATORY & HEALTHCARE FACILITIES		\$1.17 / SF	\$445,440
Natural Gas Piping	4,600 lf	\$77.00 /lf	\$354,200
Vacuum Piping	600 lf	\$44.00 /lf	\$26,400
Valves & Accessories	2.00 ls	\$2,640.00 /ls	\$37,840
pH Neutralization System	2.00 ea	\$38,500.00 /ea	\$77,000
VE P01 - Stack Classrooms	-1.00 ls	\$50,000.00 /ls	(\$50,000)

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)	380,570 SF	\$59.86 / SF	\$22,782,246
23 05 00 COMMON WORK RESULTS FOR HVAC		\$13.40 / SF	\$5,100,790
SM Coordination & Material Handling	1.00 ls	\$253,775.46 /ls	\$253,775
Glycol MU Units (HW & CHW)	2.00 ea	\$4,820.00 /ea	\$9,640
Rigging and Hoisting	1.00 ls	\$171,469.90 /ls	\$171,470
Project Expenses and Commissioning	1.00 ls	\$1,371,759.22 /ls	\$1,371,759
Project Expenses and Commissioning-Adjust for Reconcile and VE	1.00 ls	(\$100,000.00) /ls	(\$100,000)
Vehicle Exhaust System	2.00 ea	\$40,009.64 /ea	\$80,019
Weld Exhaust Connections	22 ea	\$2,286.27 /ea	\$50,298
Insulation - Fire Wrap	8,625 sf	\$21.15 /sf	\$182,439
Insulation - FRK Blanket Insulation, 1-1/2"	215,000 sf	\$4.24 /sf	\$910,710
Equipment Insulation	1.00 ls	\$22,862.65 /ls	\$22,863
ATC - BMS	380,385 sf	\$5.60 /sf	\$2,130,670
ATC - BTU meters	3.00 sf	\$5,715.66 /sf	\$17,147
ATC- Electrical Metering (delete per reconciliation)	0.00 allw		\$0
23 20 00 HVAC PIPING & PUMPS		\$13.47 / SF	\$5,128,066
HW Piping-Reduce per Reconcile	1.00 ls	(\$180,000.00) /ls	(\$180,000)
HW Piping-Valves & Accessories	1.00 ls	\$200,000.00 /ls	\$200,000
HW Piping 2.5"-4" Mains	7,500 lf	\$85.00 /lf	\$637,500
HW Piping 6" Mains	2,900 lf	\$210.00 /lf	\$609,000
HW Piping-Insulation	26,290 lf	\$16.00 /lf	\$420,640
CHW Piping <2"	9,660 lf	\$50.00 /lf	\$483,000
CHW Piping 2.5"-4"	6,020 lf	\$95.00 /lf	\$571,900
CHW Piping 6"-8"	1,665 lf	\$250.00 /lf	\$416,250
CHW Piping-Insulation	17,345 lf	\$15.00 /lf	\$260,175
CHW Piping-reduce per reconcile	1.00 lf	(\$120,000.00) /lf	(\$120,000)
CHW Piping-Valves & Accessories	1.00 lf	\$147,000.00 /lf	\$147,000
HW Piping <2"	15,890 lf	\$48.00 /lf	\$762,720
Pumps CHW Array 3-15HP	1.00 ea	\$76,640.00 /ea	\$76,640
Pumps HW Array 3-10HP	1.00 ea	\$52,640.00 /ea	\$52,640
Condensate Drain Piping & Insulation	7,700 lf	\$51.44 /lf	\$396,095
Condensate Drain Pumps	12 ea	\$391.47 /ea	\$4,698
Split System Piping	20 ea	\$7,430.36 /ea	\$148,607
VRF Piping	11,500 sf	\$4.57 /sf	\$52,584
HVAC/HRU Condensers-2 Pipe	1,100 lf	\$171.47 /lf	\$188,617
23 30 00 HVAC AIR DISTRIBUTION		\$21.89 / SF	\$8,328,836
Ductwork - Galvanized	413,500 lb	\$12.56 /lb	\$5,193,759
Ductwork - Stainless Steel - Fume & Paint Exhaust	10,760 lb	\$22.81 /lb	\$245,446
Ductwork - Stainless Steel Kitchen	1,250 lb	\$22.81 /lb	\$28,514
Ductwork - Black Iron - Kitchen Exhaust	11,500 lb	\$18.69 /lb	\$214,971
Ductwork - HVAC & Plbg Tech Flues	51 ea	\$8,573.50 /ea	\$437,248
Ductwork - Kiln	2.00 ea	\$11,431.33 /ea	\$22,863

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Air Duct Accessories	1.00 ls	\$507,550.91 /ls	\$507,551
Sound Attenuator (HRU & HVAC Units 271kcfm total)	1.00 ls	\$129,717.60 /ls	\$129,718
Sundries and Valves	1.00 ea	\$75,000.00 /ea	\$75,000
Exhaust Fan Oven	1.00 ea	\$3,820.00 /ea	\$3,820
Exhaust Fans-Paint 1000 cfm	1.00 ea	\$4,320.00 /ea	\$4,320
Exhaust Fans-Paint 10kcfm	1.00 ea	\$8,820.00 /ea	\$8,820
Exhaust Fans - Dishwasher	1.00 ea	\$3,380.00 /ea	\$3,380
Exhaust Fans - Kitchen Hoods	2.00 ea	\$5,510.00 /ea	\$11,020
Exhaust Fans - Bath & Misc	6.00 ea	\$2,460.00 /ea	\$14,760
Exhaust Fans - Cosmetology Exhaust 4kcfm	1.00 ea	\$3,130.00 /ea	\$3,130
Exhaust Fans - Elec Tech Exhaust 5kcfm	1.00 ea	\$3,130.00 /ea	\$3,130
Exhaust Fans - Laser, 3D & Dark Rm	3.00 ea	\$2,460.00 /ea	\$7,380
Exhaust Fans - Metal Exhaust 5kcfm	1.00 ea	\$3,380.00 /ea	\$3,380
Exhaust Fans - Science Lab	10 ea	\$14,700.00 /ea	\$147,000
Exhaust Fans - Science Lab - VE to reduce to 5 or 6, VE M05 (complete incl fans, duct, controls)	-1.00 ls	\$155,500.00 /ls	(\$155,500)
Exhaust Fans - Welding Exhaust 600 cfm	1.00 ea	\$3,380.00 /ea	\$3,380
Exhaust Fans - Welding Exhaust 6kcfm	1.00 ea	\$3,380.00 /ea	\$3,380
Dust Collection	1.00 allw	\$114,313.27 /allw	\$114,313
Fume Extraction Arms & Duct	12 ea	\$6,287.23 /ea	\$75,447
VAV Exhaust w/o RHC	36 ea	\$954.41 /ea	\$34,359
VAV OA w/o RHC	146 ea	\$954.41 /ea	\$139,344
VAV Box w/RHC	60 ea	\$1,403.04 /ea	\$84,182
VAV FPTU w/ HW & CHW	48 ea	\$3,051.95 /ea	\$146,494
VAV FPTU w/ HW & CHW Classrooms	90 ea	\$3,051.95 /ea	\$274,676
Register, Diffusers, & Grilles	380,395 sf	\$1.43 /sf	\$543,552
23 50 00 CENTRAL HEATING EQUIPMENT		\$0.50 / SF	\$191,700
Condensing Boiler - Intake/Exhaust	3.00 ea	\$12,500.00 /ea	\$37,500
Condensing Boiler - 3000 MBH	3.00 ea	\$51,400.00 /ea	\$154,200
23 60 00 CENTRAL COOLING EQUIPMENT		\$0.04 / SF	\$14,400
Chiller Buffer Tank	1.00 ea	\$14,400.00 /ea	\$14,400
23 70 00 CENTRAL HVAC EQUIPMENT		\$8.22 / SF	\$3,127,083
Split Systems 2 Ton	17 ea	\$6,770.00 /ea	\$115,090
Split Systems 3 Ton	3.00 ea	\$7,720.00 /ea	\$23,160
Kitchen Makeup Air Unit MUA, Pkgd DX 18T, 4.5kcfm	1.00 ea	\$40,400.00 /ea	\$40,400
Energy Recovery Unit 1000 cfm w/ RHC	2.00 ea	\$12,640.00 /ea	\$25,280
Energy Recovery Unit 2000 cfm w/ RHC	1.00 ea	\$18,697.93 /ea	\$18,698
H&V Design to \$10/cfm Equipment cost per reconciliation	110,000 cfm	(\$6.25) /cfm	(\$687,500)
H&V-1, 17.4kcfm, SF.EF, HW Coil,EW	1.00 ea	\$301,280.00 /ea	\$301,280
H&V-2&3, 14.8kcfm, SF.EF, HW Coil,EW	2.00 ea	\$256,095.00 /ea	\$512,190
H&V-4, 20.8kcfm, SF.EF, HW Coil,EW	1.00 ea	\$357,270.00 /ea	\$357,270
H&V-5, 11.7kcfm, SF.EF, HW Coil, EW	1.00 ea	\$203,821.00 /ea	\$203,821
H&V-6, 12.1kcfm, SF.EF, HW Coil, EW	1.00 ea	\$210,566.00 /ea	\$210,566
H&V-7, 19kcfm, SF.EF, HW Coil, EW	1.00 ea	\$326,917.00 /ea	\$326,917

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Heat Pump-110 ton HW/CHW w/ pumps	3.00 ea	\$331,980.00 /ea	\$995,940
HRU Design to \$12/cfm Equipment cost per reconciliation	57,000 cfm	(\$5.62) /cfm	(\$320,192)
HRU-1-3 VRF Condenser 55 ton	3.00 ea	\$66,660.00 /ea	\$199,980
HRU-1-3, 16.5kcfm, SF.EF, Dx Coil, HW Coil, EW	3.00 ea	\$298,016.00 /ea	\$894,048
HRU-4 VRF Condenser 25 ton	1.00 ea	\$30,140.00 /ea	\$30,140
HRU-4, 7.5kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$158,253.00 /ea	\$158,253
HVAC-1 VRF Condenser 30 ton	1.00 ea	\$35,640.00 /ea	\$35,640
HVAC-1, 9.5kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$198,478.00 /ea	\$198,478
HVAC-2 VRF Condenser 20 ton	1.00 ea	\$24,640.00 /ea	\$24,640
HVAC-2, 7kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$148,197.00 /ea	\$148,197
HVAC-3 VRF Condenser 20 ton	1.00 ea	\$24,640.00 /ea	\$24,640
HVAC-3, 7.2kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$152,220.00 /ea	\$152,220
HVAC-4 VRF Condenser 22 ton	1.00 ea	\$26,840.00 /ea	\$26,840
HVAC-4, 8.7kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$182,388.00 /ea	\$182,388
HVAC-5 VRF Condenser 40 ton	1.00 ea	\$50,160.00 /ea	\$50,160
HVAC-5, 11.7kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$236,372.00 /ea	\$236,372
HVAC-6 VRF Condenser 40 ton	1.00 ea	\$50,160.00 /ea	\$50,160
HVAC-6, 14kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$253,985.00 /ea	\$253,985
HVAC-7 VRF Condenser 15 ton	1.00 ea	\$19,140.00 /ea	\$19,140
HVAC-7, 4.8kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$103,950.00 /ea	\$103,950
HVAC-8 VRF Condenser 55 ton	1.00 ea	\$66,660.00 /ea	\$66,660
HVAC-8, 21kcfm, SF.EF, Dx Coil, HW Coil, EW	1.00 ea	\$377,272.00 /ea	\$377,272
System Option 1 - Revise Air Source Heat Pumps to VRF Systems - VE-M06	-1.00 ls	\$2,229,000.00 /ls	(\$2,229,000)
23 80 00 DECENTRALIZED HVAC EQUIPMENT		\$1.50 / SF	\$569,324
VRF Equipment 75 tons	1.00 ls	\$225,000.00 /ls	\$225,000
VRF Selector Boxes Install	12 ea	\$910.00 /ea	\$10,920
VRF Condenser Install	12 ea	\$2,260.00 /ea	\$27,120
VRF Fan Coil Units Install	61 ea	\$2,260.00 /ea	\$137,860
Unit Heater - HW	15 ea	\$1,443.00 /ea	\$21,645
Cabinet Unit Heater (ceiling)	8.00 ea	\$2,268.00 /ea	\$18,144
Cabinet Unit Heater (floor)	15 ea	\$2,443.00 /ea	\$36,645
Radiant Floor	1,800 sf	\$12.00 /sf	\$21,600
Electric Heaters	3.00 ea	\$1,390.00 /ea	\$4,170
Radiant Panel - Curved	140 lf	\$185.00 /lf	\$25,900
Radiant Floor	1,800 sf	\$15.00 /sf	\$27,000
Humidifier Duct Mounted 12 lb/hr & piping	1.00 ea	\$13,320.00 /ea	\$13,320
23 90 00 HVAC TESTING & BALANCING		\$0.85 / SF	\$322,047
Testing & Balancing	380,395 sf	\$0.74 /sf	\$282,647
VFD Fans	10 ea	\$3,940.00 /ea	\$39,400
26 ELECTRICAL	380,570 SF	\$36.23 / SF	\$13,789,545
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$26.54 / SF	\$10,102,055
Electrical Permit	0.00 ea		\$0

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Full time Saftey Coordinator	1.00 ea	\$100,000.00 /ea	\$100,000
General Foreman Non Working	1.00 ea	\$50,000.00 /ea	\$50,000
Misc Expenses	380,395 gsf	\$1.40 /gsf	\$532,553
Temp Lighting and Power	380,395 gsf	\$0.65 /gsf	\$247,257
Utility Company Backcharges by owner	1.00 excl	\$0.00 /excl	\$0
Duplex receptacle composite unit	840 ea	\$61.20 /ea	\$51,408
Jbox composite unit	22 ea	\$86.22 /ea	\$1,897
Quad receptacle composite unit	209 ea	\$86.22 /ea	\$18,020
GFI receptacle composite unit	348 ea	\$70.91 /ea	\$24,677
Auditorium	43,896 gsf	\$2.96 /gsf	\$270,255
Auto Technology	47,308 gsf	\$5.91 /gsf	\$279,611
Bank and School Store	4,144 gsf	\$11.82 /gsf	\$23,472
Biotechnology Lab	16,396 gsf	\$13.79 /gsf	\$100,946
Buisness Boiler Room	8,536 gsf	\$2.96 /gsf	\$44,145
Buisness Office Tech	2,056 gsf	\$2.96 /gsf	\$12,658
Cafeteria	34,760 gsf	\$2.96 /gsf	\$214,007
Career Center and workrooms	5,340 gsf	\$11.82 /gsf	\$28,932
Carpentry	37,076 gsf	\$5.91 /gsf	\$219,136
Collaborative Sapce	12,472 gsf	\$13.79 /gsf	\$76,787
Computer LABs	24,580 gsf	\$13.79 /gsf	\$163,439
Cooridoors	212,588 gsf	\$2.96 /gsf	\$1,047,075
Cosmetology	26,680 gsf	\$4.93 /gsf	\$151,120
Cullinary Arts	27,036 gsf	\$11.82 /gsf	\$153,137
Deigna nd Visual Com	14,616 gsf	\$2.96 /gsf	\$89,987
Dental Assisting	21,304 gsf	\$13.79 /gsf	\$136,409
Drafting and Design	6,448 gsf	\$2.96 /gsf	\$39,699
Electrical Fabrication	27,164 gsf	\$5.91 /gsf	\$160,551
Exam Room	1,420 gsf	\$2.96 /gsf	\$8,393
Fire Pump, Water Heater and Service Room	2,120 gsf	\$7.88 /gsf	\$9,398
Fitness	43,896 gsf	\$2.96 /gsf	\$237,825
Floor Box with Quad	30 ea	\$788.06 /ea	\$23,642
General Office Space	50,268 gsf	\$9.85 /gsf	\$247,589
Gym	51,236 gsf	\$7.88 /gsf	\$214,503
Health Class Room	3,140 gsf	\$2.96 /gsf	\$17,012
HVAC Technology	31,300 gsf	\$11.82 /gsf	\$177,289
Kitchen Servery	19,044 gsf	\$2.96 /gsf	\$103,179
Marketing	2,684 gsf	\$2.96 /gsf	\$15,203
Media Center	23,952 gsf	\$14.78 /gsf	\$159,263
Medicl Health Assiting Labs	36,956 gsf	\$13.79 /gsf	\$227,528
Metal Fabrication	27,164 gsf	\$5.91 /gsf	\$160,551
PLTW Engineering	10,468 gsf	\$2.96 /gsf	\$67,026
Plug Load control Computer and Open office space	1.00 ea	\$31,522.39 /ea	\$31,522
Plumbing and Pipe Fitting	32,144 gsf	\$11.82 /gsf	\$182,069
Radio Master box	1.00 ea	\$8,373.13 /ea	\$8,373
Related Classrooms	30,392 gsf	\$13.79 /gsf	\$179,630

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Restrooms	5,600 gsf	\$2.96 /gsf	\$30,340
RoboticsLab	20,192 gsf	\$2.96 /gsf	\$129,289
Scorboard Connections for Gym	2.00 ea	\$2,462.69 /ea	\$4,925
Specialty Lighting interrio or Exterior at dome/rotunda	1.00 gsf	\$24,626.87 /gsf	\$24,627
Target Reduction of lighting per VE-E10	380,000 gsf	(\$1.00) /gsf	(\$380,000)
Telcom	823.00 gsf	\$24,626.87 /gsf	\$27,056
Vape System Allowance	1.00 gsf	\$10,000.00 /gsf	\$10,000
Slv switch composite unit	6.00 ea	\$56.13 /ea	\$337
SSS three single pole switches composite unit	84 ea	\$95.36 /ea	\$8,010
SOR composite unit	2.00 ea	\$122.94 /ea	\$246
Wall mounted occupancy sensor composite unit	2.00 ea	\$122.94 /ea	\$246
DS sensor composite unit	57 gsf	\$127.30 /gsf	\$7,256
OS1 Occ sensor composite unit	38 ea	\$127.30 /ea	\$4,837
OS2 occupancy sensor composite unit	142 ea	\$127.30 /ea	\$18,076
SD composite unit	44 ea	\$127.30 /ea	\$5,601
Trailers	1.00 ea	\$25,000.00 /ea	\$25,000
BIM Modeling / As Built	1.00 ea	\$150,000.00 /ea	\$150,000
20 AMP EMT Composite feeders copper - Lighting Branch	15,000 lf	\$8.23 /lf	\$123,456
20 AMP EMT Composite feeders copper - Lighting Control Branch	6,000 lf	\$8.23 /lf	\$49,382
20 AMP EMT Composite feeders copper - Power Branch	21,000 ea	\$8.23 /ea	\$172,838
100 AMP EMT Composite feeders Copper - Large Power	1,115 lf	\$22.50 /lf	\$25,146
225 AMP EMT Composite feeders Copper - Large Power	10,730 lf	\$84.93 /lf	\$911,286
250 AMP EMT Composite feeders Copper - Sports Lighting Feed	1,050 ea	\$83.09 /ea	\$87,249
400 AMP EMT Composite feeders Copper - Large Power	3,410 lf	\$133.02 /lf	\$453,582
600 AMP EMT Composite feeders Copper - Large Power	2,590 lf	\$178.35 /lf	\$461,923
800 AMP EMT Composite feeders Copper - Large Power	850 lf	\$255.14 /lf	\$216,870
1200 AMP EMT Composite feeders Copper - Large Power	50 lf	\$385.33 /lf	\$19,267
1200 cfm Dust Collector	1.00 ea	\$2,847.06 /ea	\$2,847
6000 cfm Metal Dust Collector	1.00 ea	\$2,372.55 /ea	\$2,373
Auto Collision Mechanical conneciton	19 ea	\$1,138.82 /ea	\$21,638
Auto Technology Mechanical conneciton	34 ea	\$1,138.82 /ea	\$38,720
Bio Technology Mechanical conneciton	66 ea	\$1,138.82 /ea	\$75,162
Boilers	3.00 ea	\$2,372.55 /ea	\$7,118
Cabinet Unit Heater	14 ea	\$2,372.55 /ea	\$33,216
Carpentry Mechanical conneciton	19 ea	\$1,138.82 /ea	\$21,638
Cosmotolgy Mechanical conneciton	57 ea	\$1,138.82 /ea	\$64,913
Culinary Arts Mechanical conneciton	44 ea	\$1,138.82 /ea	\$50,108
Dental Mechanical conneciton	16 ea	\$1,138.82 /ea	\$18,221
Design Visual Mechanical conneciton	8.00 ea	\$1,138.82 /ea	\$9,111
Drafting Design Mechanical conneciton	47 ea	\$1,138.82 /ea	\$53,525
Electrical Mechanical conneciton	9.00 ea	\$1,138.82 /ea	\$10,249
ERV1	1.00 ea	\$18,980.39 /ea	\$18,980
ERV2	1.00 ea	\$18,980.39 /ea	\$18,980
ERV3	1.00 ea	\$18,980.39 /ea	\$18,980
Exhaust Fan	1.00 ea	\$2,372.55 /ea	\$2,373

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Exhaust Fan 5000 cfm roof	1.00 ea	\$2,847.06 /ea	\$2,847
Exhaust Fan 600 cfm	1.00 ea	\$2,372.55 /ea	\$2,373
Health Assisting Mechanical conneciton	28 ea	\$1,138.82 /ea	\$31,887
HRU1	1.00 ea	\$16,133.33 /ea	\$16,133
HRU3	1.00 ea	\$18,980.39 /ea	\$18,980
HRU4	1.00 ea	\$18,980.39 /ea	\$18,980
HV1 17400	1.00 ea	\$18,980.39 /ea	\$18,980
HV2 14800	1.00 ea	\$18,980.39 /ea	\$18,980
HV3 14800	1.00 ea	\$18,980.39 /ea	\$18,980
HV4 12000	1.00 ea	\$18,980.39 /ea	\$18,980
HV5 11700	1.00 ea	\$18,980.39 /ea	\$18,980
HV6	1.00 ea	\$18,980.39 /ea	\$18,980
HV7 19000	1.00 ea	\$18,980.39 /ea	\$18,980
HV8	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC Mechanical conneciton	46 ea	\$1,138.82 /ea	\$52,386
HVAC Overhead Drops Mechanical conneciton	11 ea	\$1,138.82 /ea	\$12,527
HVAC1	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC2	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC3	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC4	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC6	2.00 ea	\$18,980.39 /ea	\$37,961
HVAC7	1.00 ea	\$18,980.39 /ea	\$18,980
HVAC8	1.00 ea	\$18,980.39 /ea	\$18,980
HWP 10 hp	3.00 ea	\$3,321.57 /ea	\$9,965
Inline Exhasut Fan	1.00 ea	\$2,372.55 /ea	\$2,373
Main Kitchen Mechanical conneciton	33 ea	\$1,138.82 /ea	\$37,581
MAU 1	1.00 ea	\$18,980.39 /ea	\$18,980
Medical Assiting Mechanical conneciton	18 ea	\$1,138.82 /ea	\$20,499
Metal Fabrication Mechanical conneciton	16 ea	\$1,138.82 /ea	\$18,221
Motorized Shades Medial Center power connection	1.00 ea	\$9,490.20 /ea	\$9,490
Plumbing Mechanical conneciton	15 ea	\$1,138.82 /ea	\$17,082
Robotics Mechanical conneciton	46 ea	\$1,138.82 /ea	\$52,386
Split AC	3.00 ea	\$4,270.59 /ea	\$12,812
Unit Heater	5.00 ea	\$2,372.55 /ea	\$11,863
VRF Heat Pump	1.00 ea	\$1,423.53 /ea	\$1,424
12/2 MC Cable Composite Unit Power Branch	21,000 ea	\$3.21 /ea	\$67,410
26 20 00 LOW-VOLTAGE ELECTRICAL DISTRIBUTION		\$4.22 / SF	\$1,606,533
30 KVA NEMA 1 Transformer composite unit	18 ea	\$3,200.00 /ea	\$57,600
75 KVA NEMA 1 Transformer composite unit	18 ea	\$3,940.00 /ea	\$70,920
112.5 KVA NEMA 1 Transformer composite unit	9.00 ea	\$7,190.00 /ea	\$64,710
DP 100 AMP 120/208 panel board surface mounted composite	20 ea	\$3,963.68 /ea	\$79,274
100 AMP 120/208 panel board surface mounted composite	24 ea	\$3,963.68 /ea	\$95,128
225 AMP 120/208 Panel board surface mounted composite unit	22 ea	\$5,203.68 /ea	\$114,481
400 AMP 120/208 Panel board surface mounted composite unit	11 ea	\$7,103.77 /ea	\$78,141

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
100AMP 277/480 Panel board surface mounted composite unit	20 ea	\$4,343.74 /ea	\$86,875
225 AMP 277/480 Panel board surface mounted composite unit	48 ea	\$5,583.74 /ea	\$268,020
250 AMP 277/480 Panel board surface mounted composite unit	3.00 ea	\$5,583.74 /ea	\$16,751
DP 225 AMP 277/480 Panel board surface mounted composite unit	16 ea	\$5,583.74 /ea	\$89,340
400 AMP 277/480 Panel board surface mounted composite unit	4.00 ea	\$9,813.77 /ea	\$39,255
DP 400 AMP 277/480 Panel board surface mounted composite unit	2.00 ea	\$9,813.77 /ea	\$19,628
600 AMP 277/480 Panel board surface mounted composite unit	5.00 ea	\$12,456.36 /ea	\$62,282
DP 600 AMP 277/480 Panel board surface mounted composite unit	4.00 ea	\$12,456.36 /ea	\$49,825
OSDP 600 AMP 277/480 Panel board surface mounted composite unit	2.00 ea	\$12,456.36 /ea	\$24,913
800 AMP 277/480 Panel board surface mounted composite unit	2.00 ea	\$15,723.17 /ea	\$31,446
1200 AMP 277/480 Panel board surface mounted composite unit	1.00 ea	\$27,943.86 /ea	\$27,944
3000 Amp Doulbe End Switchboard with tie Main	1.00 ea	\$250,000.00 /ea	\$250,000
Metering and Sub Metering Allowance	1.00 ea	\$80,000.00 /ea	\$80,000
26 30 00 FACILITY ELECTRICAL POWER GENERATING & STORING EQUIPMENT		\$0.91 / SF	\$347,363
Larger Generator Pad Layout	1.00 gsf	\$3,700.00 /gsf	\$3,700
Ground Large Generator Pad	1.00 gsf	\$2,505.33 /gsf	\$2,505
Generator - Annunciator	1.00 gsf	\$3,764.71 /gsf	\$3,765
Generator - Battery Charger	1.00 gsf	\$320.00 /gsf	\$320
Emergency Diesel Generator - 675 kw	1.00 gsf	\$349,290.34 /gsf	\$349,290
Reduce Standby Capacity by 50%, VE E-15	-1.00 ls	\$83,000.00 /ls	(\$83,000)
Auto Transfer Switch 3P - 400a	3.00 gsf	\$6,288.00 /gsf	\$18,864
Auto Transfer Switch 3P - 600a	1.00 gsf	\$11,918.84 /gsf	\$11,919
Generator Load Bank	1.00 gsf	\$30,000.00 /gsf	\$30,000
Generator Rigging Ground	1.00 gsf	\$10,000.00 /gsf	\$10,000
26 40 00 ELECTRICAL PROTECTION		\$0.66 / SF	\$250,673
Grounding & Lightning Protection System per sq/ft detailed in 13000	385,651 gsf	\$0.40 /gsf	\$154,260
Misc Grounding Requirements	385,651 gsf	\$0.25 /gsf	\$96,413
26 50 00 LIGHTING		\$2.51 / SF	\$954,398
Light Fixture LS2 LED STRIP	134 ea	\$660.00 /ea	\$88,440
Light Fixture 2x4 Recessed Troffer	1.00 ea	\$660.00 /ea	\$660
Light Fixture LR! Recessed Lensed LED	49 ea	\$660.00 /ea	\$32,340
Light Fixture LS1 High Bay Led	59 ea	\$660.00 /ea	\$38,940
Light Fixture LS3 Led High Efficency Linear Pendant	12 crhr	\$660.00 /crhr	\$7,920
Light Fixture LS4 Efficency Decorative Pendant	622 ea	\$660.00 /ea	\$410,520
Light Fixture LSW! Led Exterior Sconce	9.00 ea	\$660.00 /ea	\$5,940
Light Fixture LW1 Led linear with Opal Diffuser	50 ea	\$660.00 /ea	\$33,000
Light Fixture Recessed gasketed Vandal Restrained Led	67 ea	\$660.00 /ea	\$44,220
Theatrical Lighting - target 25% Reduction, VE-E03	-1.00 ls	\$75,000.00 /ls	(\$75,000)
Theatrical Lighting and Dimming furnished and install	1.00 ls	\$300,007.50 /ls	\$300,008
12/2 MC Cable Composite Unit Lighting Branch	15,000 lf	\$3.21 /lf	\$48,150

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
12/2 MC Cable Composite Unit Lighting Control Branch	6,000 lf	\$3.21 /lf	\$19,260
28 40 00 LIFE SAFETY		\$1.39 / SF	\$528,523
BDA	385,651 gsf	\$0.49 /gsf	\$189,287
Testing - Fire Alarm	1.00 ea	\$5,889.91 /ea	\$5,890
Misc Fire Alarm Undefined	137,500 gsf	\$1.96 /gsf	\$268,995
Relocate Existing Shooter Detection	1.00 gsf	\$25,000.01 /gsf	\$25,000
3/4" EMT 2#14 and 18/2 Twisted shielded composite unit	5,000 gsf	\$7.87 /gsf	\$39,350
27 COMMUNICATIONS	380,570 SF	\$7.52 / SF	\$2,863,338
27 10 00 STRUCTURED CABLING		\$4.82 / SF	\$1,835,680
Tel/data Cabling Overall Value	1.00 ea	\$1,740,000.00 /ea	\$1,740,000
Audio Visual Cabling Overall Value	1.00 ea	\$95,679.87 /ea	\$95,680
IPTV and Video on Demand(overall IPTV and Video Demand) - shift to Tech Budget VE-E07	0.00 excl		\$0
27 40 00 AUDIO-VIDEO COMMUNICATIONS		\$2.45 / SF	\$931,712
Horn PA Speakers(included in overall)	31 ea	\$0.00 /ea	\$0
PA Speakers(included in overall)	669 ea	\$0.00 /ea	\$0
Low Voltage Wiring(included in overall)	1.00 ea	\$0.00 /ea	\$0
Public Address System(Overall)	1.00 gsf	\$277,227.77 /gsf	\$277,228
Volume Controls(included in overall)	62 ea	\$0.00 /ea	\$0
Fitness Center Audio Visual System	1.00 ea	\$15,407.19 /ea	\$15,407
Gym Audio Visual System	1.00 ea	\$113,283.58 /ea	\$113,284
Student Commons Audio Visual System	1.00 ea	\$93,582.09 /ea	\$93,582
Weights Audio Visual System	1.00 ea	\$15,215.60 /ea	\$15,216
Auditorium/Stage Audio Visual System	1.00 ea	\$194,366.98 /ea	\$194,367
Auditorium/Stage Video	1.00 ea	\$57,917.43 /ea	\$57,917
Class Room and Conference interactive Falt Panel Display(116 loc) - shift to Tech Budget per VE-E07	0.00 excl		\$0
Class Room Speech Reinforcement(75 loc)	1.00 ea	\$163,206.53 /ea	\$163,207
Scoreboards Exterior Connection	1.00 ea	\$1,505.10 /ea	\$1,505
27 50 00 DISTRIBUTED COMMUNICATIONS & MONITORING SYSTEMS		\$0.25 / SF	\$95,946
Clock Single Face 12"(included in overall)	187 ea	\$0.00 /ea	\$0
Clock Single Face 16"(included in overall)	24 ea	\$0.00 /ea	\$0
Add Wireguards @ Select Locations(included in overall)	2.00 ea	\$0.00 /ea	\$0
LV Cabling(included in overall)	10,520 ea	\$0.00 /ea	\$0
Clock Sytem overall cost	1.00 ea	\$95,945.65 /ea	\$95,946
28 ELECTRONIC SAFETY & SECURITY	380,570 SF	\$2.03 / SF	\$770,838
28 15 00 ACCESS CONTROL		\$2.03 / SF	\$770,838
Duress Panic Alarm - delete per VE E09	0.00 excl		\$0
INtegrated Access Control and CCTV Surveillance System	1.00 ea	\$675,476.77 /ea	\$675,477
Intrusion Detection	1.00 ea	\$74,501.11 /ea	\$74,501
Video Intercom	1.00 ea	\$20,860.31 /ea	\$20,860
28 20 00 VIDEO SURVEILLANCE		\$0.00 / SF	\$0

C3A1 MAIN BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
CCTV Security System (See Access control)	0.00 gsf		\$0
31 EARTHWORK	380,570 SF	\$2.27 / SF	\$864,405
31 60 00 SPECIAL FOUNDATIONS & LOAD-BEARING ELEMENTS		\$2.27 / SF	\$864,405
Excav. Column Footings	7,711 cy	\$20.00 /cy	\$154,220
Excav. Continuous & Retaining Wall Footings	10,129 cy	\$20.00 /cy	\$202,580
Backfill & Compact Column Footings	4,943 cy	\$35.00 /cy	\$173,005
Backfill Wall / Footings	9,560 cy	\$35.00 /cy	\$334,600
32 EXTERIOR IMPROVEMENTS	380,570 SF	\$0.93 / SF	\$353,400
32 10 00 BASES, BALLASTS, & PAVING		\$0.93 / SF	\$353,400
Compacted Gravel Base Under - Imported @ 12" Aggregate	5,140 cy	\$35.00 /cy	\$179,900
Subbase - Place & Compact			
Fine Grade Base	138,800 sf	\$1.00 /sf	\$138,800
Rough Grade Base	138,800 sf	\$0.25 /sf	\$34,700
TOTAL C3A1 MAIN BUILDING		\$354.71 / SF	\$134,992,071

C3A2 CONCESSIONS / LOCKER BUILDING

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
03 CONCRETE	6,060 SF	\$51.45 / SF	\$311,782
03 20 00 CONCRETE REINFORCING		\$1.03 / SF	\$6,245
Welded Wire Mesh - Structural Slabs (Incl. Overlap) F&I	4,996 sf	\$1.25 /sf	\$6,245
03 30 00 CAST-IN-PLACE CONCRETE		\$50.42 / SF	\$305,537
Standard Concrete Foundation - Complete \$/sf - Locker Building	9,000 sf	\$30.00 /sf	\$270,000
Buy & Place Slab on Deck Concrete 5.25"	74 cy	\$250.00 /cy	\$18,504
Finish Concrete - Metal Deck	4,542 sf	\$3.75 /sf	\$17,033
04 MASONRY	6,060 SF	\$112.36 / SF	\$680,901
04 20 00 UNIT MASONRY		\$112.36 / SF	\$680,901
Interior CMU - 8"	8,121 sf	\$26.00 /sf	\$211,150
Interior CMU - 8" (Elevator Shaft)	1,403 sf	\$30.00 /sf	\$42,076
Exterior CMU - 8" CMU	5,000 sf	\$35.00 /sf	\$175,000
Exterior CMU - CMU Veneer	4,005 sf	\$35.00 /sf	\$140,175
Exterior Wall Backup Wall CMU - AVG Backup Wall Assembly (6" CMU, Insul, Int. Gyp Bd - NO AVB)	5,000 sf	\$22.50 /sf	\$112,500
05 METALS	6,060 SF	\$20.24 / SF	\$122,665
05 30 00 METAL DECKING		\$3.75 / SF	\$22,710
Metal Decking - Floor, 2"	4,542 sf	\$5.00 /sf	\$22,710
05 50 00 METAL FABRICATIONS		\$16.49 / SF	\$99,955
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$10,500.00 /ls	\$10,500
Misc. Metals and Supports	9,000 gsf	\$0.75 /gsf	\$6,750
Ext. Stairs - Exterior Stair to second floor deck, incl. rail, 28 risers and 1 landing, 1 location	1.00 flgt	\$30,000.00 /flgt	\$30,000
Stairs - Concrete In Steel Pan Stairs	1.00 flgt	\$7,500.00 /flgt	\$7,500
Stairs - Steel Pan w/ Rails - Typical Shaft Stair, 1 locations	1.00 flgt	\$22,000.00 /flgt	\$22,000
Railing Exterior Guardrail at Roof Patio Edge	120 lf	\$160.00 /lf	\$19,200
Stabilizer Clips-Galv. @ Exterior Masonry Walls	4,005 sf	\$1.00 /sf	\$4,005
06 WOOD, PLASTICS, & COMPOSITES	6,060 SF	\$6.88 / SF	\$41,673
06 10 00 ROUGH CARPENTRY		\$3.38 / SF	\$20,474
Rough Carpentry Roofing	4,769 sf	\$1.50 /sf	\$7,154
Interior Rough Carpentry	6,060 sf	\$2.00 /sf	\$12,120
Blocking @ Exterior Wall Mounted Railing \$/lf	120 lf	\$10.00 /lf	\$1,200
06 40 00 ARCHITECTURAL WOODWORK		\$2.00 / SF	\$12,120
Interior Misc. Millwork not shown	6,060 sf	\$2.00 /sf	\$12,120
06 60 00 PLASTIC FABRICATIONS		\$1.50 / SF	\$9,080
Interior Window Sills @ Exterior - Solid Surface	130 lf	\$70.00 /lf	\$9,080
07 THERMAL & MOISTURE PROTECTION	6,060 SF	\$39.70 / SF	\$240,588
07 10 00 DAMPPROOFING & WATERPROOFING		\$0.00 / SF	\$0
Dampproofing - Foundation Walls	0.00 sf		\$0

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Damproofing - Foundation Walls @ Elevator Pit	0.00 sf		\$0
07 20 00 THERMAL PROTECTION		\$8.14 / SF	\$49,350
Rigid Insulation @ Fndn. Walls	0.00 sf		\$0
Rigid Insulation @ S.O.G.	0.00 sf		\$0
Tapered Roof Insulation - Premium, assume not required	0.00 nic		\$0
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	7,050 sfwa	\$7.00 /sfwa	\$49,350
07 40 00 ROOFING & SIDING PANELS		\$7.72 / SF	\$46,800
Metal Panel Flat-Lock Metal Tiles	585 sf	\$80.00 /sf	\$46,800
07 50 00 MEMBRANE ROOFING		\$14.17 / SF	\$85,845
Roof System B - PVC Single Ply Membrane w/ 6-1/2" Insulation	4,769 sf	\$18.00 /sf	\$85,845
07 60 00 FLASHING & SHEET METAL		\$3.10 / SF	\$18,813
Sheet Metal Flashing & Trim Complete \$/sf	7,050 sfwa	\$1.25 /sfwa	\$8,813
Patch and Seal Roof Penetrations	1.00 ls	\$10,000.00 /ls	\$10,000
07 70 00 ROOF & WALL SPECIALTIES & ACCESSORIES		\$4.93 / SF	\$29,888
Roof Edge Fascia	400 lf	\$30.00 /lf	\$12,000
Gutters, not shown assume required	122 lf	\$20.00 /lf	\$2,448
Downspouts, not shown assume required	29 lf	\$15.00 /lf	\$440
Roof Access Hatch, assume required	1.00 ea	\$10,000.00 /ea	\$10,000
Roofing Pavers/Walkways - Membrane, not shown	1.00 allw	\$5,000.00 /allw	\$5,000
07 80 00 FIRE & SMOKE PROTECTION		\$0.00 / SF	\$0
Cementitious Spray Fireproofing (Beams & Columns)	0.00 sf		\$0
Misc. Patching of Fireproofing	0.00 ls		\$0
Firestopping / Safing @ Building Perimeter \$/lf	0.00 lf		\$0
07 90 00 JOINT PROTECTION		\$1.63 / SF	\$9,893
Caulking and Sealants, Exterior - Total enclosure SF	7,050 sfwa	\$0.75 /sfwa	\$5,288
Misc. Interior Caulking - General	6,060 sf	\$0.76 /sf	\$4,606
08 OPENINGS	6,060 SF	\$36.50 / SF	\$221,165
08 10 00 DOORS & FRAMES		\$6.43 / SF	\$38,940
Install Interior Doors and Frames	18 leaf	\$270.00 /leaf	\$4,860
Glass & Alum Doors - Double Exterior - Incl. Door, Frame, and Hardware	1.00 ea	\$8,800.00 /ea	\$8,800
Glass & Alum Doors - Single Exterior - Incl. Door, Frame, and Hardware	2.00 ea	\$4,400.00 /ea	\$8,800
Frame Hollow Metal - Interior - Single	14 ea	\$450.00 /ea	\$6,300
Frame Hollow Metal - Interior - Double	2.00 ea	\$500.00 /ea	\$1,000
Door Hollow Metal Door - Interior - Single	14 leaf	\$510.00 /leaf	\$7,140
Door Hollow Metal Door - Interior - Double	2.00 pair	\$1,020.00 /pair	\$2,040
08 30 00 SPECIALTY DOORS & FRAMES		\$2.68 / SF	\$16,225
Door Insulated Overhead Coiling Door, Motor Operated, 3 each	295 sf	\$55.00 /sf	\$16,225
08 40 00 ENTRANCES, STOREFRONTS, & CURTAIN WALLS		\$27.39 / SF	\$166,000
Storefront Insulating Glass in Aluminum Storefront System	1,660 sf	\$100.00 /sf	\$166,000
09 FINISHES	6,060 SF	\$52.82 / SF	\$320,100

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
09 20 00 PLASTER & GYPSUM BOARD		\$12.15 / SF	\$73,608
GWB GWB Ceiling, Typical	4,907 sf	\$15.00 /sf	\$73,608
09 30 00 TILING		\$9.44 / SF	\$57,200
Ceramic Wall Tile	2,046 sf	\$22.00 /sf	\$45,019
Ceramic Floor Tile	584 sf	\$20.00 /sf	\$11,681
Stone Thresholds at wet rooms	5.00 sf	\$100.00 /sf	\$500
09 60 00 FLOORING		\$14.21 / SF	\$86,115
Epoxy Flooring - Poured	6,499 sf	\$13.25 /sf	\$86,115
09 90 00 PAINTING & COATING		\$17.03 / SF	\$103,177
Paint Exterior - Doors	3.00 ea	\$100.00 /ea	\$300
Hardware Interior Door Hardware Per Leaf	18 leaf	\$90.00 /leaf	\$1,620
Paint Paint Interior Doors	18 leaf	\$100.00 /leaf	\$1,800
Paint Interior - Doors	10 ea	\$100.00 /ea	\$1,000
Paint Interior Walls - Epoxy	18,065 sf	\$3.50 /sf	\$63,228
Misc. Interior Painting	1.00 allw	\$5,000.00 /allw	\$5,000
Paint Painted Interior GWB - Typical Ceilings - Latex	4,674 sf	\$1.00 /sf	\$4,674
Paint Exposed Painted Structural Steel & Metal Deck	2,158 sf	\$3.50 /sf	\$7,555
Exterior Enclosure Painting, Staining & Transparent Finishing	200 mhr	\$90.00 /mhr	\$18,000
10 SPECIALTIES	6,060 SF	\$18.30 / SF	\$110,892
10 10 00 INFORMATION SPECIALTIES		\$2.60 / SF	\$15,755
White / Marker Boards - Medium 4' x 6'	4.00 ea	\$750.00 /ea	\$3,000
Corkboards / Tack Boards - Small 4' x 4'	2.00 ea	\$900.00 /ea	\$1,800
Signage Dedication Plaques Allowance - Interior	1.00 allw	\$2,000.00 /allw	\$2,000
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$2,000.00 /ls	\$2,000
Signage Room Identification Signs - Interior	23 ea	\$85.00 /ea	\$1,955
Signage Branding and Graphics Allowance - Interior, including large format wall murals and panels.	1.00 allw	\$5,000.00 /allw	\$5,000
10 20 00 INTERIOR SPECIALTIES		\$3.32 / SF	\$20,125
Toilet Compartment - Plastic Laminate - Handicapped	2.00 stall	\$1,500.00 /stall	\$3,000
Wall & Door Protection Complete \$/sf, including corner guards	9,000 gsf	\$0.50 /gsf	\$4,500
Toilet Accessories - Unload / Store / Categorize	35 mhr	\$90.00 /mhr	\$3,150
Toilet Accessories - Distribute / Install	35 mhr	\$90.00 /mhr	\$3,150
Restroom Soap: Soap Dispenser, Wall Mtd.	5.00 ea	\$80.00 /ea	\$400
Restroom Paper Towel Dispenser & Trash, Semi Recessed	5.00 ea	\$205.00 /ea	\$1,025
Restroom Toilet Paper Dispenser, Wall Mtd.	5.00 ea	\$100.00 /ea	\$500
Restroom Sanitary Napkin Disposal, Recessed	5.00 ea	\$75.00 /ea	\$375
Restroom Soap: Shampoo Dispenser, Shower Wall Mtd.	4.00 ea	\$90.00 /ea	\$360
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	5.00 ea	\$43.00 /ea	\$215
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	5.00 ea	\$45.00 /ea	\$225
Restroom Grab Bar: 60" "L" Shaped, Shower, Curved, Wall Mtd.	4.00 ea	\$115.00 /ea	\$460
Restroom Baby Changing Station; Wall Mtd.	1.00 ea	\$220.00 /ea	\$220
Restroom Mirror: Single Mirror: Framed Mirror Unit	5.00 ea	\$165.00 /ea	\$825
Restroom Shower curtain and rod, typ. shower unit	4.00 ea	\$80.00 /ea	\$320

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Restroom Shower Seat @ ADA shower units	4.00 ea	\$230.00 /ea	\$920
Janitor Shelf: S.S. Utility Shelf w/ Mop and Broom Holders	1.00 ea	\$155.00 /ea	\$155
Janitor Shelf: SS Shelf 8" D x 24" W	1.00 ea	\$65.00 /ea	\$65
Restroom Hook: Coat Hook, Stall Wall Mtd.	13 ea	\$20.00 /ea	\$260
10 40 00 SAFETY SPECIALTIES		\$1.24 / SF	\$7,540
Fire Extinguisher Cabinets - Semi-Recessed	10 ea	\$405.00 /ea	\$4,050
AED Cabinets, units, and accessories	2.00 ea	\$1,745.00 /ea	\$3,490
10 50 00 STORAGE SPECIALTIES		\$11.13 / SF	\$67,472
Lockers Team Lockers: Single tier 2' w x 18" d welded locker on conc. base	142 ea	\$450.00 /ea	\$63,900
Locker Benches	55 lf	\$65.00 /lf	\$3,572
Storage Wall Shelving - Metal (In F&E Estimate)	0.00 lf		\$0
12 FURNISHINGS	6,060 SF	\$4.11 / SF	\$24,900
12 20 00 WINDOW TREATMENTS		\$4.11 / SF	\$24,900
Roller Shades - Manual Operated - At Storefront (Exterior)	1,660 sf	\$15.00 /sf	\$24,900
14 CONVEYING EQUIPMENT	6,060 SF	\$15.02 / SF	\$91,000
14 20 00 ELEVATORS		\$15.02 / SF	\$91,000
Elevator, Passenger (Otis Gen2, 3,500 capacity), 2 ea	2.00 stop	\$45,500.00 /stop	\$91,000
21 FIRE SUPPRESSION	6,060 SF	\$7.73 / SF	\$46,845
21 10 00 WATER-BASED FIRE-SUPPRESSION SYSTEMS		\$7.73 / SF	\$46,845
Wet Sprinkler System	9,369 sf	\$5.00 /sf	\$46,845
22 PLUMBING	6,060 SF	\$20.33 / SF	\$123,191
22 00 00 PLUMBING		\$1.62 / SF	\$9,791
Admin & Expenses	9,369 sf	\$1.05 /sf	\$9,791
22 10 00 PLUMBING PIPING		\$13.14 / SF	\$79,630
Water Meter 4"	1.00 ea	\$3,000.00 /ea	\$3,000
Domestic Hot & Cold Water Piping	400 lf	\$44.00 /lf	\$17,600
Insulation	400 lf	\$11.00 /lf	\$4,400
Valves & Accessories	1.00 ls	\$1,430.00 /ls	\$1,430
Circulating Pump - DHWH	1.00 ea	\$800.00 /ea	\$800
Thermostatic Mixing Valve, 2"	1.00 ea	\$2,500.00 /ea	\$2,500
Backflow Preventer (RP) 4"	1.00 ea	\$5,000.00 /ea	\$5,000
Floor Drain W/Trap	7.00 ea	\$950.00 /ea	\$6,650
Sanitary Waste & Vent Piping - UG & AG	450 lf	\$55.00 /lf	\$24,750
Elevator Sump Pump	1.00 ea	\$2,000.00 /ea	\$2,000
Gas / Oil Interceptor	1.00 ea	\$7,500.00 /ea	\$7,500
Oil Interceptor	1.00 ea	\$4,000.00 /ea	\$4,000
22 30 00 PLUMBING EQUIPMENT		\$0.64 / SF	\$3,900
Electric Water Heater	1.00 ea	\$3,000.00 /ea	\$3,000
Expansion Tank	1.00 ea	\$900.00 /ea	\$900

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
22 40 00 PLUMBING FIXTURES		\$4.93 / SF	\$29,871
Water Closet - Wall Hung	5.00 ea	\$2,469.50 /ea	\$12,348
Lavatory - Wall	5.00 ea	\$1,573.00 /ea	\$7,865
Mop Sink	1.00 ea	\$1,815.00 /ea	\$1,815
Shower - (Trim & Drain)	4.00 ea	\$1,688.50 /ea	\$6,754
Hose Bibb	2.00 ea	\$187.00 /ea	\$374
Wall Hydrant	2.00 ea	\$357.50 /ea	\$715
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)	6,060 SF	\$66.83 / SF	\$405,000
23 05 00 COMMON WORK RESULTS FOR HVAC		\$66.83 / SF	\$405,000
HVAC Concessions/Locker	9,000 sf	\$45.00 /sf	\$405,000
26 ELECTRICAL	6,060 SF	\$39.13 / SF	\$237,116
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$24.96 / SF	\$151,287
Mis Expenses	9,369 gsf	\$1.88 /gsf	\$17,638
Temp Lighting and Power	9,369 gsf	\$0.75 /gsf	\$7,027
Small Power Devices and Wiring	9,369 gsf	\$2.85 /gsf	\$26,679
Mechanical Connections	9,369 gsf	\$1.96 /gsf	\$18,322
Lighting Control	9,369 gsf	\$0.71 /gsf	\$6,677
Ground Transformer Pads	1.00 ea	\$2,487.78 /ea	\$2,488
Layout Transformer Pads	1.00 ea	\$2,487.78 /ea	\$2,488
Large Power Feeder Conduit	9,369 gsf	\$0.48 /gsf	\$4,469
1200 AMP EMT Composite feeders Copper - Large Power	84 lf	\$425.69 /lf	\$35,758
(1) 4" Empty PVC Conduit with pull string composite unit Fire Alarm	188 lf	\$16.26 /lf	\$3,057
(1) 4" Empty PVC Conduit with pull string composite unit Telcom	188 lf	\$16.26 /lf	\$3,057
(2) 4" Empty PVC Conduit with pull string composite unit Spares	110 lf	\$36.34 /lf	\$3,998
Communication and Security	9,369 gsf	\$1.91 /gsf	\$17,919
Gronding	7,200 gsf	\$0.24 /gsf	\$1,712
26 10 00 MEDIUM-VOLTAGE ELECTRICAL DISTRIBUTION		\$0.87 / SF	\$5,300
Transformers - 15kv 3Ph 75 kva	1.00 ea	\$5,300.00 /ea	\$5,300
26 20 00 LOW-VOLTAGE ELECTRICAL DISTRIBUTION		\$1.86 / SF	\$11,243
Large Power and Distribution	9,369 gsf	\$1.20 /gsf	\$11,243
26 30 00 FACILITY ELECTRICAL POWER GENERATING & STORING EQUIPMENT		\$0.77 / SF	\$4,683
Emergency Feeders	9,369 gsf	\$0.50 /gsf	\$4,683
26 50 00 LIGHTING		\$10.66 / SF	\$64,604
Lighting Fixtures and Wiring	9,369 gsf	\$6.90 /gsf	\$64,604
27 COMMUNICATIONS	6,060 SF	\$3.52 / SF	\$21,325
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$2.96 / SF	\$17,921
Tel/data	9,369 gsf	\$1.91 /gsf	\$17,921
27 40 00 AUDIO-VIDEO COMMUNICATIONS		\$0.56 / SF	\$3,404
Sound and PA	7,200 gsf	\$0.47 /gsf	\$3,404

C3A2 CONCESSIONS / LOCKER BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
28 ELECTRONIC SAFETY & SECURITY	6,060 SF	\$6.03 / SF	\$36,569
28 15 00 ACCESS CONTROL		\$1.46 / SF	\$8,872
Security Access and Control	9,369 gsf	\$0.95 /gsf	\$8,872
28 20 00 VIDEO SURVEILLANCE		\$1.54 / SF	\$9,303
Surveillance CCTV	9,369 ea	\$0.99 /ea	\$9,303
28 40 00 LIFE SAFETY		\$3.04 / SF	\$18,394
Fire Alarm	9,369 gsf	\$1.96 /gsf	\$18,394
33 UTILITIES	6,060 SF	\$0.00 / SF	\$0
33 40 00 STORMWATER UTILITIES		\$0.00 / SF	\$0
F&I Building Foundation Drainage - Perforated PVC	0.00 lf		\$0
90 ALTERNATES & VALUE ENGINEERING	6,060 SF	(\$135.80) / SF	(\$822,962)
90 20 00 VALUE ENGINEERING		(\$135.80) / SF	(\$822,962)
VE Item No. G01 - reduce size of Locker Rm to 6,000 gsf	-1.00 ls	\$822,962.00 /ls	(\$822,962)
TOTAL C3A2 CONCESSIONS / LOCKER BUILDING		\$365.14 / SF	\$2,212,752

C3A3 MAINTENANCE BUILDING

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
03 CONCRETE	2,040 SF	\$40.00 / SF	\$81,600
03 30 00 CAST-IN-PLACE CONCRETE		\$40.00 / SF	\$81,600
Standard Concrete Foundation - Complete \$/sf - Maintenance Building	2,040 sf	\$40.00 /sf	\$81,600
04 MASONRY	2,040 SF	\$8.49 / SF	\$17,325
04 20 00 UNIT MASONRY		\$8.49 / SF	\$17,325
Exterior CMU - CMU Veneer	495 sf	\$35.00 /sf	\$17,325
05 METALS	2,040 SF	\$6.14 / SF	\$12,525
05 50 00 METAL FABRICATIONS		\$6.14 / SF	\$12,525
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$10,500.00 /ls	\$10,500
Misc. Metals and Supports	2,040 gsf	\$0.75 /gsf	\$1,530
Stabilizer Clips-Galv. @ Exterior Masonry Walls	495 sf	\$1.00 /sf	\$495
06 WOOD, PLASTICS, & COMPOSITES	2,040 SF	\$3.56 / SF	\$7,265
06 10 00 ROUGH CARPENTRY		\$3.56 / SF	\$7,265
Rough Carpentry Roofing	2,123 sf	\$1.50 /sf	\$3,185
Interior Rough Carpentry	2,040 sf	\$2.00 /sf	\$4,080
07 THERMAL & MOISTURE PROTECTION	2,040 SF	\$66.61 / SF	\$135,888
07 10 00 DAMPPROOFING & WATERPROOFING		\$0.00 / SF	\$0
Dampproofing - Foundation Walls	0.00 sf		\$0
Vapor Barrier @ SOG Elevator Pit	0.00 sf		\$0
Waterproof SOG - Vapor Barrier	0.00 sf		\$0
07 20 00 THERMAL PROTECTION		\$7.72 / SF	\$15,750
Rigid Insulation @ Fndn. Walls	0.00 sf		\$0
Rigid Insulation @ S.O.G.	0.00 sf		\$0
Tapered Roof Insulation - Premium, assume not required	0.00 nic		\$0
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	2,250 sfwa	\$7.00 /sfwa	\$15,750
07 40 00 ROOFING & SIDING PANELS		\$50.98 / SF	\$104,000
Siding Metal Building Siding	1,600 sf	\$65.00 /sf	\$104,000
07 50 00 MEMBRANE ROOFING		\$0.00 / SF	\$0
Roof System, assume provided by Pre-Engineered Building	2,123 sf	\$0.00 /sf	\$0
07 60 00 FLASHING & SHEET METAL		\$1.38 / SF	\$2,813
Sheet Metal Flashing & Trim Complete \$/sf	2,250 sfwa	\$1.25 /sfwa	\$2,813
07 70 00 ROOF & WALL SPECIALTIES & ACCESSORIES		\$4.94 / SF	\$10,088
Trim Metal Building Roof & Corner Trim	280 lf	\$30.00 /lf	\$8,400
Gutters, not shown assume required	60 lf	\$20.00 /lf	\$1,205
Downspouts, not shown assume required	32 lf	\$15.00 /lf	\$483
07 80 00 FIRE & SMOKE PROTECTION		\$0.00 / SF	\$0
Cementitious Spray Fireproofing (Beams & Columns)	0.00 sf		\$0
Firestopping / Safing @ Building Perimeter \$/lf	0.00 lf		\$0

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
07 90 00 JOINT PROTECTION		\$1.59 / SF	\$3,238
Caulking and Sealants, Exterior - Total enclosure SF	2,250 sftwa	\$0.75 /sftwa	\$1,688
Misc. Interior Caulking - General	2,040 sf	\$0.76 /sf	\$1,550
08 OPENINGS	2,040 SF	\$22.17 / SF	\$45,230
08 10 00 DOORS & FRAMES		\$4.05 / SF	\$8,255
Install Interior Doors and Frames	1.00 leaf	\$270.00 /leaf	\$270
Door HM Single Exterior - Incl. Door, Frame, and Hardware	2.00 ea	\$3,500.00 /ea	\$7,000
Frame Hollow Metal - Interior - Single	1.00 ea	\$450.00 /ea	\$450
Door Wood Door - Interior - Single	1.00 leaf	\$535.00 /leaf	\$535
08 30 00 SPECIALTY DOORS & FRAMES		\$18.13 / SF	\$36,975
Door Motor Operated Overhead Door w/ Insulating Glass - Typ., 3 ea	435 sf	\$85.00 /sf	\$36,975
09 FINISHES	2,040 SF	\$9.31 / SF	\$19,000
09 90 00 PAINTING & COATING		\$9.31 / SF	\$19,000
Paint Exterior - Doors	3.00 ea	\$100.00 /ea	\$300
Hardware Interior Door Hardware Per Leaf	1.00 leaf	\$90.00 /leaf	\$90
Paint Paint Interior Doors	1.00 leaf	\$100.00 /leaf	\$100
Paint Interior Walls - Epoxy	2,831 sf	\$3.50 /sf	\$9,910
Misc. Interior Painting	1.00 allw	\$5,000.00 /allw	\$5,000
Exterior Enclosure Painting, Staining & Transparent Finishing	40 mhr	\$90.00 /mhr	\$3,600
10 SPECIALTIES	2,040 SF	\$2.84 / SF	\$5,793
10 10 00 INFORMATION SPECIALTIES		\$0.57 / SF	\$1,170
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$1,000.00 /ls	\$1,000
Signage Room Identification Signs - Interior	2.00 ea	\$85.00 /ea	\$170
10 20 00 INTERIOR SPECIALTIES		\$1.21 / SF	\$2,473
Wall & Door Protection Complete \$/sf, including corner guards	2,040 gsf	\$0.50 /gsf	\$1,020
Toilet Accessories - Unload / Store / Categorize	4.00 mhr	\$90.00 /mhr	\$360
Toilet Accessories - Distribute / Install	4.00 mhr	\$90.00 /mhr	\$360
Restroom Soap: Soap Dispenser, Wall Mtd.	1.00 ea	\$80.00 /ea	\$80
Restroom Paper Towel Dispenser & Trash, Semi Recessed	1.00 ea	\$205.00 /ea	\$205
Restroom Toilet Paper Dispenser, Wall Mtd.	1.00 ea	\$100.00 /ea	\$100
Restroom Sanitary Napkin Disposal, Recessed	1.00 ea	\$75.00 /ea	\$75
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	1.00 ea	\$43.00 /ea	\$43
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	1.00 ea	\$45.00 /ea	\$45
Restroom Mirror: Single Mirror: Framed Mirror Unit	1.00 ea	\$165.00 /ea	\$165
Restroom Hook: Coat Hook, Stall Wall Mtd.	1.00 ea	\$20.00 /ea	\$20
10 40 00 SAFETY SPECIALTIES		\$1.05 / SF	\$2,150
Fire Extinguisher Cabinets - Semi-Recessed	1.00 ea	\$405.00 /ea	\$405
AED Cabinets, units, and accessories	1.00 ea	\$1,745.00 /ea	\$1,745
22 PLUMBING	2,040 SF	\$15.32 / SF	\$31,251

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
22 00 00 PLUMBING		\$1.10 / SF	\$2,244
Admin & Expenses	2,040 sf	\$1.10 /sf	\$2,244
22 10 00 PLUMBING PIPING		\$11.70 / SF	\$23,870
Water Meter 1-½"	1.00 ea	\$1,100.00 /ea	\$1,100
Domestic Hot & Cold Water Piping	100 lf	\$44.00 /lf	\$4,400
Insulation	100 lf	\$11.00 /lf	\$1,100
Valves & Accessories	1.00 ls	\$2,200.00 /ls	\$2,200
Backflow Preventer (RP) 1-¾"	1.00 ea	\$1,320.00 /ea	\$1,320
Gas / Oil Interceptor	1.00 ea	\$5,500.00 /ea	\$5,500
Sanitary Waste & Vent Piping - UG & AG	150 lf	\$55.00 /lf	\$8,250
22 30 00 PLUMBING EQUIPMENT		\$0.27 / SF	\$550
Point of Use Elec Water Heater	1.00 ea	\$550.00 /ea	\$550
22 40 00 PLUMBING FIXTURES		\$2.25 / SF	\$4,587
Water Closet - Wall Hung	1.00 ea	\$2,469.50 /ea	\$2,470
Lavatory - Wall	1.00 ea	\$1,573.00 /ea	\$1,573
Hose Bibb	1.00 ea	\$187.00 /ea	\$187
Wall Hydrant	1.00 ea	\$357.50 /ea	\$358
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)	2,040 SF	\$25.00 / SF	\$51,000
23 05 00 COMMON WORK RESULTS FOR HVAC		\$25.00 / SF	\$51,000
Maintenance Bldg HVAC	2,040 sf	\$25.00 /sf	\$51,000
26 ELECTRICAL	2,040 SF	\$87.24 / SF	\$177,963
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$76.34 / SF	\$155,736
Mis Expenses	2,040 gsf	\$1.88 /gsf	\$3,840
Temp Lighting and Power	2,040 gsf	\$0.75 /gsf	\$1,530
Small Power Devices and Wiring	2,040 gsf	\$2.85 /gsf	\$5,809
Mechanical Connections	2,040 gsf	\$1.96 /gsf	\$3,989
Lighting Control	2,040 gsf	\$1.90 /gsf	\$3,877
Large Power Feeder Conduit	2,040 gsf	\$0.95 /gsf	\$1,946
400 AMP EMT Composite feeders Copper - Large Power	612 lf	\$142.22 /lf	\$87,040
(1) 4" Empty PVC conduit with pull string composite unit	1,224 lf	\$17.22 /lf	\$21,075
(2) 4" Empty PVC Conduit with pull string composite unit	612 lf	\$36.34 /lf	\$22,242
Communication and Security	2,040 gsf	\$1.91 /gsf	\$3,902
Gronding	2,040 gsf	\$0.24 /gsf	\$485
26 20 00 LOW-VOLTAGE ELECTRICAL DISTRIBUTION		\$4.00 / SF	\$8,160
Large Power and Distribution	2,040 gsf	\$4.00 /gsf	\$8,160
26 50 00 LIGHTING		\$6.90 / SF	\$14,067
Lighting Fixtures and Wiring	2,040 gsf	\$6.90 /gsf	\$14,067
27 COMMUNICATIONS	2,040 SF	\$22.28 / SF	\$45,461
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$21.81 / SF	\$44,496

C3A3 MAINTENANCE BUILDING [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Tel/data	2,040 gsf	\$1.91 /gsf	\$3,902
(1) 4" Empty PVC Conduit with pull String composite unit Fire Alarm	563 lf	\$36.05 /lf	\$20,297
(1) 4" Empty PVC Conduit with pull String composite unit telcom	563 lf	\$36.05 /lf	\$20,297
27 40 00 AUDIO-VIDEO COMMUNICATIONS		\$0.47 / SF	\$965
Sound and PA	2,040 gsf	\$0.47 /gsf	\$965
28 ELECTRONIC SAFETY & SECURITY	2,040 SF	\$3.48 / SF	\$7,099
28 15 00 ACCESS CONTROL		\$0.95 / SF	\$1,932
Security Access and Control	2,040 gsf	\$0.95 /gsf	\$1,932
28 20 00 VIDEO SURVEILLANCE		\$0.99 / SF	\$2,026
Surveillance CCTV	2,040 ea	\$0.99 /ea	\$2,026
28 40 00 LIFE SAFETY		\$1.54 / SF	\$3,141
Fire Alarm	1,600 gsf	\$1.96 /gsf	\$3,141
33 UTILITIES	2,040 SF	\$0.00 / SF	\$0
33 40 00 STORMWATER UTILITIES		\$0.00 / SF	\$0
F&I Building Foundation Drainage - Perforated PVC	0.00 lf		\$0
TOTAL C3A3 MAINTENANCE BUILDING		\$312.45 / SF	\$637,399

C3A4 TICKET OFFICE / CONCESSIONS

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
03 CONCRETE	1,730 SF	\$39.86 / SF	\$68,960
03 30 00 CAST-IN-PLACE CONCRETE		\$39.86 / SF	\$68,960
Standard Concrete Foundation - Complete \$/sf - Concessions Building	1,724 sf	\$40.00 /sf	\$68,960
04 MASONRY	1,730 SF	\$72.63 / SF	\$125,644
04 20 00 UNIT MASONRY		\$72.63 / SF	\$125,644
Interior CMU - 8"	328 sf	\$26.00 /sf	\$8,534
Exterior CMU - 8" CMU	0.00 sf		\$0
Exterior CMU - CMU Veneer	3,346 sf	\$35.00 /sf	\$117,110
05 METALS	1,730 SF	\$6.18 / SF	\$10,699
05 50 00 METAL FABRICATIONS		\$6.18 / SF	\$10,699
Support Steel - Interior Rolling Door/Grille Supports	1.00 ls	\$3,500.00 /ls	\$3,500
Misc. Metals and Supports	1,724 gsf	\$0.75 /gsf	\$1,293
Railing Exterior Guardrail at Roof Patio Edge	16 lf	\$160.00 /lf	\$2,560
Stabilizer Clips-Galv. @ Exterior Masonry Walls	3,346 sf	\$1.00 /sf	\$3,346
06 WOOD, PLASTICS, & COMPOSITES	1,730 SF	\$11.73 / SF	\$20,288
06 10 00 ROUGH CARPENTRY		\$7.54 / SF	\$13,051
Rough Carpentry Roofing	6,288 sf	\$1.50 /sf	\$9,431
Interior Rough Carpentry	1,730 sf	\$2.00 /sf	\$3,460
Blocking @ Exterior Wall Mounted Railing \$/lf	16 lf	\$10.00 /lf	\$160
06 80 00 COMPOSITE FABRICATIONS		\$4.18 / SF	\$7,236
FRP - Wall Paneling	426 sf	\$17.00 /sf	\$7,236
07 THERMAL & MOISTURE PROTECTION	1,730 SF	\$125.70 / SF	\$217,455
07 10 00 DAMPPROOFING & WATERPROOFING		\$0.00 / SF	\$0
Dampproofing - Foundation Walls	0.00 sf		\$0
Vapor Barrier @ SOG Elevator Pit	0.00 sf		\$0
Waterproof SOG - Vapor Barrier	0.00 sf		\$0
07 20 00 THERMAL PROTECTION		\$18.27 / SF	\$31,605
Rigid Insulation @ Fndn. Walls	0.00 sf		\$0
Rigid Insulation @ S.O.G.	0.00 sf		\$0
Tapered Roof Insulation - Premium, assume not required	0.00 nic		\$0
Exterior Air and Vapor Barrier System (AVB) - Total enclosure SF	4,515 sfwa	\$7.00 /sfwa	\$31,605
07 40 00 ROOFING & SIDING PANELS		\$15.59 / SF	\$26,975
Metal Panel Insulated Metal Panels	415 sf	\$65.00 /sf	\$26,975
07 50 00 MEMBRANE ROOFING		\$73.14 / SF	\$126,530
Roof System B - PVC Single Ply Membrane w/ 6-1/2" Insulation	7,029 sf	\$18.00 /sf	\$126,530
07 60 00 FLASHING & SHEET METAL		\$9.04 / SF	\$15,644
Sheet Metal Flashing & Trim Complete \$/sf	4,515 sfwa	\$1.25 /sfwa	\$5,644
Patch and Seal Roof Penetrations	1.00 ls	\$10,000.00 /ls	\$10,000

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
07 70 00 ROOF & WALL SPECIALTIES & ACCESSORIES		\$6.94 / SF	\$12,000
Roof Edge Fascia	400 lf	\$30.00 /lf	\$12,000
Gutters, assume not required	0.00 nic		\$0
Downspouts, assume not required	0.00 nic		\$0
07 80 00 FIRE & SMOKE PROTECTION		\$0.00 / SF	\$0
Misc. Patching of Fireproofing	0.00 ls		\$0
Firestopping / Safing @ Building Perimeter \$/lf	0.00 lf		\$0
07 90 00 JOINT PROTECTION		\$2.72 / SF	\$4,701
Caulking and Sealants, Exterior - Total enclosure SF	4,515 sfwa	\$0.75 /sfwa	\$3,386
Misc. Interior Caulking - General	1,730 sf	\$0.76 /sf	\$1,315
08 OPENINGS	1,730 SF	\$19.23 / SF	\$33,275
08 10 00 DOORS & FRAMES		\$12.14 / SF	\$21,000
Door HM Single Exterior - Incl. Door, Frame, and Hardware	6.00 ea	\$3,500.00 /ea	\$21,000
08 30 00 SPECIALTY DOORS & FRAMES		\$2.07 / SF	\$3,575
Door Insulated Overhead Coiling Door, Motor Operated, 1 each	65 sf	\$55.00 /sf	\$3,575
08 40 00 ENTRANCES, STOREFRONTS, & CURTAIN WALLS		\$5.03 / SF	\$8,700
Storefront Insulating Glass in Aluminum Storefront System	87 sf	\$100.00 /sf	\$8,700
09 FINISHES	1,730 SF	\$38.56 / SF	\$66,707
09 20 00 PLASTER & GYPSUM BOARD		\$11.91 / SF	\$20,596
GWB GWB Ceiling, Typical	1,373 sf	\$15.00 /sf	\$20,596
09 30 00 TILING		\$11.09 / SF	\$19,191
Ceramic Floor Tile	960 sf	\$20.00 /sf	\$19,191
09 60 00 FLOORING		\$3.75 / SF	\$6,485
Epoxy Flooring - Poured	489 sf	\$13.25 /sf	\$6,485
09 90 00 PAINTING & COATING		\$11.81 / SF	\$20,434
Paint Exterior - Doors	4.00 ea	\$100.00 /ea	\$400
Paint Interior Walls - Epoxy	2,769 sf	\$3.50 /sf	\$9,692
Misc. Interior Painting	1.00 allw	\$1,500.00 /allw	\$1,500
Paint Painted Interior GWB - Typical Ceilings - Latex	1,308 sf	\$1.00 /sf	\$1,308
Paint Exposed Painted Structural Steel & Metal Deck	96 sf	\$3.50 /sf	\$335
Exterior Enclosure Painting, Staining & Transparent Finishing	80 mhr	\$90.00 /mhr	\$7,200
10 SPECIALTIES	1,730 SF	\$27.99 / SF	\$48,418
10 10 00 INFORMATION SPECIALTIES		\$7.43 / SF	\$12,850
Signage Dedication Plaques Allowance - Interior	1.00 allw	\$2,000.00 /allw	\$2,000
Signage Egress, Waydinding, and Regulatory - Interior	1.00 ls	\$5,000.00 /ls	\$5,000
Signage Room Identification Signs - Interior	10 ea	\$85.00 /ea	\$850
Signage Branding and Graphics Allowance - Interior, including large format wall murals and panels.	1.00 allw	\$5,000.00 /allw	\$5,000
10 20 00 INTERIOR SPECIALTIES		\$19.32 / SF	\$33,418
Toilet Compartment - Plastic Laminate - Standard	10 stall	\$1,200.00 /stall	\$12,000

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Toilet Compartment - Plastic Laminate - Handicapped	2.00 stall	\$1,500.00 /stall	\$3,000
Urinal Screen - Plastic Laminate	6.00 ea	\$425.00 /ea	\$2,550
Wall & Door Protection Complete \$/sf, including corner guards	1,724 gsf	\$0.50 /gsf	\$862
Toilet Accessories - Unload / Store / Categorize	46 mhr	\$90.00 /mhr	\$4,140
Toilet Accessories - Distribute / Install	46 mhr	\$90.00 /mhr	\$4,140
Restroom Soap: Soap Dispenser, Wall Mtd.	8.00 ea	\$80.00 /ea	\$640
Restroom Paper Towel Dispenser & Trash, Semi Recessed	4.00 ea	\$205.00 /ea	\$820
Restroom Toilet Paper Dispenser, Wall Mtd.	12 ea	\$100.00 /ea	\$1,200
Restroom Sanitary Napkin Disposal, Recessed	12 ea	\$75.00 /ea	\$900
Restroom Grab Bar: 36" Peened Grip, Wall Mtd.	2.00 ea	\$43.00 /ea	\$86
Restroom Grab Bar: 42" Peened Grip, Wall Mtd.	22 ea	\$45.00 /ea	\$990
Restroom Baby Changing Station; Wall Mtd.	1.00 ea	\$220.00 /ea	\$220
Restroom Mirror: Single Mirror: Framed Mirror Unit	10 ea	\$165.00 /ea	\$1,650
Janitor Shelf: S.S. Utility Shelf w/ Mop and Broom Holders	1.00 ea	\$155.00 /ea	\$155
Janitor Shelf: SS Shelf 8" D x 24" W	1.00 ea	\$65.00 /ea	\$65
10 40 00 SAFETY SPECIALTIES		\$1.24 / SF	\$2,150
Fire Extinguisher Cabinets - Semi-Recessed	1.00 ea	\$405.00 /ea	\$405
AED Cabinets, units, and accessories	1.00 ea	\$1,745.00 /ea	\$1,745
12 FURNISHINGS	1,730 SF	\$2.38 / SF	\$4,115
12 20 00 WINDOW TREATMENTS		\$0.75 / SF	\$1,305
Roller Shades - Manual Operated - At Storefront (Exterior)	87 sf	\$15.00 /sf	\$1,305
12 30 00 CASEWORK		\$1.62 / SF	\$2,810
Countertop - Solid Surface @ Concessions	14 lf	\$200.00 /lf	\$2,810
14 CONVEYING EQUIPMENT	1,730 SF	\$52.60 / SF	\$91,000
14 20 00 ELEVATORS		\$52.60 / SF	\$91,000
Elevator, Passenger (Otis Gen2, 3,500 capacity), 2 ea	2.00 stop	\$45,500.00 /stop	\$91,000
22 PLUMBING	1,730 SF	\$91.75 / SF	\$158,730
22 00 00 PLUMBING		\$6.36 / SF	\$11,000
Admin & Expenses	1.00 ls	\$11,000.00 /ls	\$11,000
22 10 00 PLUMBING PIPING		\$47.43 / SF	\$82,060
Water Meter 4"	1.00 ea	\$3,300.00 /ea	\$3,300
Domestic Hot & Cold Water Piping	500 lf	\$44.00 /lf	\$22,000
Insulation	500 lf	\$11.00 /lf	\$5,500
Valves & Accessories	1.00 ls	\$1,100.00 /ls	\$1,100
Circulating Pump - DHWH	1.00 ea	\$880.00 /ea	\$880
Thermostatic Mixing Valve, 2"	1.00 ea	\$2,750.00 /ea	\$2,750
Backflow Preventer (RP) 4"	1.00 ea	\$5,500.00 /ea	\$5,500
Floor Drain W/Trap	4.00 ea	\$1,045.00 /ea	\$4,180
Sanitary Waste & Vent Piping - UG & AG	550 lf	\$55.00 /lf	\$30,250
Elevator Sump Pump	1.00 ea	\$2,200.00 /ea	\$2,200
Oil Interceptor	1.00 ea	\$4,400.00 /ea	\$4,400

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
22 30 00 PLUMBING EQUIPMENT		\$2.48 / SF	\$4,290
Electric Water Heater	1.00 ea	\$3,300.00 /ea	\$3,300
Expansion Tank	1.00 ea	\$990.00 /ea	\$990
22 40 00 PLUMBING FIXTURES		\$35.48 / SF	\$61,380
Water Closet - Wall Hung	12 ea	\$2,469.50 /ea	\$29,634
Lavatory - Wall	10 ea	\$1,573.00 /ea	\$15,730
2 Comp Sink	1.00 ea	\$1,650.00 /ea	\$1,650
Mop Sink	1.00 ea	\$1,815.00 /ea	\$1,815
Urinal	6.00 ea	\$1,760.00 /ea	\$10,560
Hose Bibb	3.00 ea	\$187.00 /ea	\$561
Wall Hydrant	4.00 ea	\$357.50 /ea	\$1,430
23 HEATING, VENTILATING, & AIR CONDITIONING (HVAC)	1,730 SF	\$49.83 / SF	\$86,200
23 05 00 COMMON WORK RESULTS FOR HVAC		\$49.83 / SF	\$86,200
HVAC Ticket/Concessions	1,724 sf	\$50.00 /sf	\$86,200
26 ELECTRICAL	1,730 SF	\$64.19 / SF	\$111,046
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$54.83 / SF	\$94,856
Mis Expenses	1,820 gsf	\$1.88 /gsf	\$3,426
Temp Lighting and Power	1,820 gsf	\$0.75 /gsf	\$1,365
Small Power Devices and Wiring	1,820 gsf	\$2.85 /gsf	\$5,183
Mechanical Connectionst	1,820 gsf	\$1.96 /gsf	\$3,559
Lighting Control	1,771 gsf	\$1.90 /gsf	\$3,365
Large Power Feeder Conduit	1,820 gsf	\$0.95 /gsf	\$1,736
250 AMP EMT Composite feeders Copper - Large Power	578 lf	\$57.52 /lf	\$33,248
(1) 4" Empty PVC Conduit with pull string composite unit Spares FA	563 lf	\$16.26 /lf	\$9,154
(1) 4" Empty PVC Conduit with pull string composite unit Spares tel	563 lf	\$16.26 /lf	\$9,154
(2) 4" Empty PVC Conduit with pull string composite unit Spares	571 lf	\$36.34 /lf	\$20,752
Communication and Security	1,820 gsf	\$1.91 /gsf	\$3,481
Gronding	1,820 gsf	\$0.24 /gsf	\$433
26 20 00 LOW-VOLTAGE ELECTRICAL DISTRIBUTION		\$2.10 / SF	\$3,640
Large Power and Distibution	1,820 gsf	\$2.00 /gsf	\$3,640
26 50 00 LIGHTING		\$7.25 / SF	\$12,550
Lighting Fixtures and Wiring	1,820 gsf	\$6.90 /gsf	\$12,550
27 COMMUNICATIONS	1,730 SF	\$2.51 / SF	\$4,342
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$2.01 / SF	\$3,481
Tel/data	1,820 gsf	\$1.91 /gsf	\$3,481
27 40 00 AUDIO-VIDEO COMMUNICATIONS		\$0.50 / SF	\$861
Sound and PA	1,820 gsf	\$0.47 /gsf	\$861

C3A4 TICKET OFFICE / CONCESSIONS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
28 ELECTRONIC SAFETY & SECURITY	1,730 SF	\$4.11 / SF	\$7,104
28 15 00 ACCESS CONTROL		\$1.00 / SF	\$1,723
Security Access and Control	1,820 gsf	\$0.95 /gsf	\$1,723
28 20 00 VIDEO SURVEILLANCE		\$1.04 / SF	\$1,807
Surveillance CCTV	1,820 gsf	\$0.99 /gsf	\$1,807
28 40 00 LIFE SAFETY		\$2.07 / SF	\$3,573
Fire Alarm	1,820 gsf	\$1.96 /gsf	\$3,573
33 UTILITIES	1,730 SF	\$0.00 / SF	\$0
33 40 00 STORMWATER UTILITIES		\$0.00 / SF	\$0
F&I Building Foundation Drainage - Perforated PVC	0.00 lf		\$0
TOTAL C3A4 TICKET OFFICE / CONCESSIONS		\$609.24 / SF	\$1,053,982

C3S1 SITE IMPROVEMENTS

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
01 GENERAL REQUIREMENTS	60 acre	\$12,450.00 / acre	\$747,000
01 00 00 SITE SERVICES		\$33.33 / acre	\$2,000
Emergency Spill Kit	1.00 ea	\$2,000.00 /ea	\$2,000
01 50 00 TEMPORARY FACILITIES & CONTROLS		\$11,583.33 / acre	\$695,000
Temporary Water and Electric Service - Hook-up & Maintenance	1.00 ls	\$35,000.00 /ls	\$35,000
Temporary Walkways	1.00 ls	\$50,000.00 /ls	\$50,000
Water Truck / Dust Control	1.00 ls	\$30,000.00 /ls	\$30,000
Dewatering - Pumps / Maintenance - Demo/Foundation	1.00 ls	\$400,000.00 /ls	\$400,000
Temporary Parking - Fine Grade and Paving, incl's removal	1.00 ls	\$30,000.00 /ls	\$30,000
Temporary Roads / Access / Laydown	1.00 ls	\$50,000.00 /ls	\$50,000
Repair Existing Streets, Sidewalks	1.00 allw	\$50,000.00 /allw	\$50,000
Temporary Barriers & Public Safety	1.00 ls	\$25,000.00 /ls	\$25,000
Traffic Control - Install & Maintain	1.00 ls	\$25,000.00 /ls	\$25,000
01 70 00 EXECUTION & CLOSEOUT REQUIREMENTS		\$833.33 / acre	\$50,000
Snow Removal	1.00 ls	\$25,000.00 /ls	\$25,000
Street Sweeping	1.00 ls	\$25,000.00 /ls	\$25,000
02 EXISTING CONDITIONS	60 acre	\$70,332.63 / acre	\$4,219,958
02 40 00 DEMOLITION & STRUCTURE MOVING		\$38,338.05 / acre	\$2,300,283
Demolish Existing School Building	239,144 sf	\$7.00 /sf	\$1,674,008
R&D Misc. Site Removals - Phase 1	1.00 ls	\$25,000.00 /ls	\$25,000
R&D Misc. Site Removals - Phase 2	1.00 ls	\$250,000.00 /ls	\$250,000
R&D Utility Structures - CB	31 ea	\$1,000.00 /ea	\$31,000
R&D Utility Structures - MH	20 ea	\$1,000.00 /ea	\$20,000
Remove Abandoned Utilities	0.00 ls		\$0
Remove Underground Obstructions	0.00 ls		\$0
R&D Hydrants	4.00 ea	\$500.00 /ea	\$2,000
R&D Subsurface Utilities & Backfill	11,931 lf	\$25.00 /lf	\$298,275
02 80 00 FACILITY REMEDIATION		\$31,994.58 / acre	\$1,919,675
Allowance for Hazardous Materials Abatement	1.00 ls	\$1,919,675.00 /ls	\$1,919,675
10 SPECIALTIES	60 acre	\$500.00 / acre	\$30,000
10 10 00 INFORMATION SPECIALTIES		\$500.00 / acre	\$30,000
Custom Site / Building Sign Allowance	1.00 allw	\$30,000.00 /allw	\$30,000
11 EQUIPMENT	60 acre	\$19,425.90 / acre	\$1,165,554
11 60 00 ENTERTAINMENT & RECREATION EQUIPMENT		\$19,425.90 / acre	\$1,165,554
Permanent Bleachers (F&I) including pressbox - reduced to 500 from 1000 seats - VEL07	500 seat	\$1,250.00 /seat	\$625,000
Sportsfield Specialties - Prefabricated Ticket Booth (material only)	0.00 excl		\$0
Sportsfield Specialties - Scoreboard - Football	1.00 ea	\$100,000.00 /ea	\$100,000
Sportsfield Specialties - Scoreboard - other	2.00 ea	\$30,000.00 /ea	\$60,000

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Sportsfield Specialties - Baseball - Bases, Sleeves (material only)	1.00 ls	\$750.00 /ls	\$750
Sportsfield Specialties - Softball - Bases, Sleeves (material only)	2.00 ls	\$750.00 /ls	\$1,500
Sportsfield Specialties - Pitching Rubber (material only)	3.00 ea	\$156.00 /ea	\$468
Sportsfield Specialties - Home Plate (material only)	3.00 ea	\$150.00 /ea	\$450
Sportsfield Specialties - Stadium Safety Netting System (material only)	551 lf	\$61.00 /lf	\$33,611
Sportsfield Specialties - Baseball Batting Tunnel (material only)	0.00 excl		\$0
Sportsfield Specialties - Softball Batting Tunnel (material only)	0.00 excl		\$0
Sportsfield Specialties - Baseball / Softball Foul Pole (material only)	4.00 ea	\$995.00 /ea	\$3,980
Sportsfield Specialties - Baseball - Dugouts 8'x34' (material only) - target \$12k ea, VEL09	2.00 ea	\$12,000.00 /ea	\$24,000
Sportsfield Specialties - Softball- Dugouts 8'x34' (material only) - VEL09	2.00 ea	\$12,000.00 /ea	\$24,000
Sportsfield Specialties - Team Benches at Dugouts (material only)	6.00 ea	\$2,805.00 /ea	\$16,830
Sportsfield Specialties - Helmut Caddy / Bat Bin (material only)	6.00 ea	\$6,030.00 /ea	\$36,180
Sportsfield Specialties - Tension Netting Backstop - 32'h - Softball (material only)	80 lf	\$154.00 /lf	\$12,320
Sportsfield Specialties - Tension Netting Backstop - 42'h - Baseball (material only)	40 lf	\$148.00 /lf	\$5,920
Sportsfield Specialties - Football - Goal Posts (material only)	2.00 ea	\$6,330.00 /ea	\$12,660
Sportsfield Specialties - Football - Goal Posts Pads (material only)	2.00 ea	\$595.00 /ea	\$1,190
Sportsfield Specialties - Soccer Goal Safety System (material only)	2.00 ea	\$960.00 /ea	\$1,920
Sportsfield Specialties - Shot Put/Hammer Throw Ring (material only)	1.00 ea	\$385.00 /ea	\$385
Sportsfield Specialties - Shot Put Toe Board (material only)	1.00 ea	\$435.00 /ea	\$435
Sportsfield Specialties - Shot Put Cage (material only)	1.00 ea	\$2,310.00 /ea	\$2,310
Sportsfield Specialties - Shot Put Backup Net (material only)	1.00 ea	\$395.00 /ea	\$395
Sportsfield Specialties - Pole Vault Box (material only)	1.00 ea	\$1,170.00 /ea	\$1,170
Sportsfield Specialties - Pole Vault Standard Forming System (material only)	1.00 ea	\$1,935.00 /ea	\$1,935
Sportsfield Specialties - Pole Vault Equipment Set (material only)	1.00 ea	\$21,970.00 /ea	\$21,970
Sportsfield Specialties - Long/Triple Jump Takeoff Boards (material only)	1.00 ea	\$1,085.00 /ea	\$1,085
Sportsfield Specialties - Tennis Court Nets - Net, Posts, Sleeves (material only)	6.00 ea	\$715.00 /ea	\$4,290
Exterior Athletic Equipment - Labor to Unbox, Assemble, & Install	25 crdy	\$5,440.00 /crdy	\$136,000
Outdoor Fitness Equipment	5.00 ea	\$3,000.00 /ea	\$15,000
Baseball - Field Backstops	40 lf	\$175.00 /lf	\$7,000
Softball - Field Backstops	80 lf	\$160.00 /lf	\$12,800
26 ELECTRICAL	60 acre	\$27,391.09 / acre	\$1,643,465
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$22,570.15 / acre	\$1,354,209
Quad Shak Lighting Power and Teldata	1.00 ea	\$6,500.00 /ea	\$6,500
Ground Pole Base	109 ea	\$1,020.00 /ea	\$111,180
Sitel Lighting Pole Base	109 ea	\$1,200.00 /ea	\$130,800

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Small QUAZITE HANDHOLE NORMAL	109 ea	\$820.00 /ea	\$89,380
Precast Electric Manhole w/Cover 7 x 7 x 7.5	0.00 ea		\$0
Ground Transformer Pads	2.00 ea	\$2,487.78 /ea	\$4,976
Layout Transformer Pads	2.00 ea	\$2,487.78 /ea	\$4,976
Ovrehade power Power	1.00 ea	\$6,468.22 /ea	\$6,468
Ovrehade Telcom Power	1.00 ea	\$6,468.22 /ea	\$6,468
Precast Electric Manhole w/Cover 7 x 7 x 7.5 H-20 Load	7.00 ea	\$8,140.00 /ea	\$56,980
100 AMP EMT Composite feeders Copper - Large Power	100 lf	\$10.99 /lf	\$1,099
3000 AMP EMT Composite feeders Copper - Large Power	440 lf	\$1,080.16 /lf	\$475,272
Secondaries			
3000 AMP EMT Composite feeders Copper - Large Power	-55.00 lf	\$2,000.00 /lf	(\$110,000)
Secondaries - move xfrs 25% closer to building VE-E13			
60 AMP PVC Composite feeder EV Shargins Station	800 lf	\$15.80 /lf	\$12,641
Site Lighting Branch	4,042 ea	\$24.04 /ea	\$97,153
Sports Lighting Heads	143 ea	\$3,476.72 /ea	\$497,171
Sports Lighting Pole	11 ea	\$16,280.00 /ea	\$179,080
Sports Lighting Pole Base	11 ea	\$8,650.00 /ea	\$95,150
Sports Lighting Pole Riggig	11 ea	\$6,402.99 /ea	\$70,433
Sports Lighting VE - delete from non-football fields VE E-04a	-1.00 ls	\$450,000.00 /ls	(\$450,000)
(2) 5" Empty PVC Conduit with pull string composite unit	1,330 lf	\$36.34 /lf	\$48,336
Existing overhead Services Removed	312 ea	\$18.59 /ea	\$5,801
Primary Cable Overhead	101 lf	\$71.73 /lf	\$7,245
Telcom Cable Overhead	99 lf	\$71.73 /lf	\$7,101
26 50 00 LIGHTING		\$4,820.93 / acre	\$289,256
Electrical Vehicle Charging Station Charging Station @ Site	5.00 ea	\$11,056.00 /ea	\$55,280
Site Lighting - Single Head Pedestrian	48 ea	\$1,483.70 /ea	\$71,217
Site Lighting - Single Head Pole II	24 ea	\$1,820.00 /ea	\$43,680
Site Lighting - Single Head Pole IV	19 ea	\$1,820.00 /ea	\$34,580
Site Lighting - Dual Head Pole IV	18 ea	\$2,480.00 /ea	\$44,640
Site Lighting - cantenary Lighting per linear foot 5 rows - VE-E-18 provisions for future only (savings ~\$11,300)	1.00 ls	\$6,000.00 /ls	\$6,000
Site Lighting - Exterior Wall Pack	11 ea	\$740.00 /ea	\$8,140
Site Lighting - Inground Flood lights	1.00 ea	\$392.05 /ea	\$392
Site Lighting - Led Recessed Downlight	19 ea	\$392.05 /ea	\$7,449
Site Lighting - Puck Lights at Ramp	152 ea	\$117.62 /ea	\$17,878
27 COMMUNICATIONS	60 acre	\$1,794.48 / acre	\$107,669
26 05 00 COMMON WORK RESULTS FOR ELECTRICAL		\$844.81 / acre	\$50,689
(4) 4" Empty PVC Conduit with pull String composite unit	1,406 lf	\$36.05 /lf	\$50,689
27 10 00 STRUCTURED CABLING		\$949.67 / acre	\$56,980
Precast Electric Manhole w/Cover 7 x 7 x 7.5 H-20 Load	7.00 ea	\$8,140.00 /ea	\$56,980
31 EARTHWORK	60 acre	\$239,864.68 / acre	\$14,391,881
31 10 00 SITE CLEARING		\$7,916.67 / acre	\$475,000
Bulk Site Clearing & Grubbing	35 acre	\$5,000.00 /acre	\$175,000

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Strip Topsoil - Offsite Disposal	15,000 cy	\$20.00 /cy	\$300,000
31 20 00 EARTH MOVING		\$231,948.02 / acre	\$13,916,881
Fine Grade Pavement Base	331,155 sf	\$0.50 /sf	\$165,578
Prepare & Compact Subbase	465,947 sf	\$0.50 /sf	\$232,974
Backfill Pavement Base Mat'l. - processed material	21,050 cy	\$15.00 /cy	\$315,750
drainage layer w double washed stone	394,395 cy	\$4.00 /cy	\$1,577,580
Bulk Excavation Offsite Disposal - Fill (assumed clean, less than RCS1)	110,000 cy	\$28.00 /cy	\$3,080,000
Excavate & Backfill for Site Improvements items (pads / stairs, etc)	20,000 cy	\$35.00 /cy	\$700,000
Rip Rap Slopes - using processed material onsite	8,500 cy	\$30.00 /cy	\$255,000
Fill to get to sub grade elev	1.00 ls	\$800,000.00 /ls	\$800,000
Mass Rock Blasting	150,000 cy	\$15.00 /cy	\$2,250,000
Mass Rock Excavation	150,000 cy	\$8.50 /cy	\$1,275,000
Mass Rock Processing	150,000 cy	\$11.00 /cy	\$1,650,000
Allow for additional material handling due to logistics	160,000 cy	\$3.00 /cy	\$480,000
Trench Rock Blasting	10,000 cy	\$65.00 /cy	\$650,000
Trench Rock Excavation	10,000 cy	\$12.50 /cy	\$125,000
Trench Rock Processing	10,000 cy	\$11.00 /cy	\$110,000
Antitracking Pads	1.00 ls	\$50,000.00 /ls	\$50,000
Erosion Control Hay Bales / Silt Fence	10,000 lf	\$7.50 /lf	\$75,000
Erosion Control Blankets & Mats	1.00 ls	\$50,000.00 /ls	\$50,000
Erosion Control - CB Inlet Protection	1.00 ls	\$25,000.00 /ls	\$25,000
Erosion Control - Maintain	1.00 ls	\$50,000.00 /ls	\$50,000
32 EXTERIOR IMPROVEMENTS	60 acre	\$158,774.10 / acre	\$9,526,446
32 10 00 BASES, BALLASTS, & PAVING		\$107,938.36 / acre	\$6,476,302
Asphalt Walkway Paving	3,096 sy	\$27.00 /sy	\$83,592
- Raised Crosswalks @ Bit Pavement	208 sy	\$35.00 /sy	\$7,280
Bituminious Paving - Parking Lot Pavement	17,845 sy	\$33.00 /sy	\$588,885
Bituminious Paving - Roadway Pavement	17,078 sy	\$36.00 /sy	\$614,808
Bituminious Paving - Roadway Pavement - HD - Change 75% Vehicular concrete to HD Bit (VEC02)	9,068 sf	\$5.00 /sf	\$45,341
Accesible Walkway Ramp	942 sf	\$5.00 /sf	\$4,710
Concrete Paving - Carry Half the area as standard grey - VEL02	8,432 sf	\$12.00 /sf	\$101,190
Concrete Paving - Integral Color Exposed Aggregate - reduced by half, VEL02	8,432 sf	\$18.00 /sf	\$151,785
Concrete Paving - Ramps	500 sf	\$15.00 /sf	\$7,500
Concrete Paving - Typical Walkway - reduce by 5,000 sf - VEC05	13,087 sf	\$12.00 /sf	\$157,044
Concrete Paving - 6" Vehicular - reduced by 75% per VEC02	3,023 sf	\$16.50 /sf	\$49,875
Concrete Paving - 6" Vehicular Walkway / Ramp @ Fields	4,549 sf	\$20.50 /sf	\$93,255
Stone Dust Walk - stabilized	1,103 sf	\$10.00 /sf	\$11,030
Unit Pavers - Type A - Granite - changed to precast for half the area VEL03	348 sf	\$125.00 /sf	\$43,563

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Unit Pavers - Type B - Precast - increased, changed from granite - VEL03	1,780 sf	\$40.00 /sf	\$71,220
Granite Curbing - Vertical (Staight & Radius)	12,512 lf	\$62.00 /lf	\$775,744
Granite Curbing - Vertical (Staight & Radius) - reduced by 35% - VEC04	-4400.00 lf	\$62.00 /lf	(\$272,800)
Bituminous Curbing (Cape Cod Berm)	2,220 lf	\$5.50 /lf	\$12,210
Bituminous Curbing (Cape Cod Berm) - changed from Granite to CCB - VEC04	4,400 lf	\$5.50 /lf	\$24,200
Concrete Base for Site Entry Sign	1.00 ls	\$10,000.00 /ls	\$10,000
Concrete Pad - Bleachers, Baseball / Softball	739 sf	\$40.00 /sf	\$29,560
Concrete Pad - Generator	733 sf	\$40.00 /sf	\$29,320
Concrete Pad - Transformer	820 sf	\$40.00 /sf	\$32,800
Concrete Pad @ Team Bench	622 sf	\$40.00 /sf	\$24,880
Concrete Pad @ Team Bench W Overhead Shade	1,228 sf	\$40.00 /sf	\$49,120
Concrete Stairs & Landings	2,531 sf	\$80.00 /sf	\$202,480
Painted Lines - Misc. Striping - Lane SWL, Stop Lines, etc.	1.00 allw	\$50,000.00 /allw	\$50,000
Asphalt Surface w top coating / striping @ Tennis Courts	29,700 sf	\$10.00 /sf	\$297,000
Baseball / Softball Engineered Infield Mix	29,600 sf	\$4.00 /sf	\$118,400
Baseball / Softball Outfield - seeded	103,900 sf	\$2.00 /sf	\$207,800
Poured in place Safety Surfacing	940 sf	\$24.00 /sf	\$22,560
Resilient Asphalt Surface @ FB End Zones	15,000 sf	\$20.00 /sf	\$300,000
Resilient Track / Track D Zone	37,000 sf	\$20.00 /sf	\$740,000
Synthetic Turf BB / Soccer Field	97,700 sf	\$10.00 /sf	\$977,000
Synthetic Turf FB Field	78,000 sf	\$10.00 /sf	\$780,000
Synthetic Turf Infield	3,495 sf	\$10.00 /sf	\$34,950
32 30 00 SITE IMPROVEMENTS		\$28,600.43 / acre	\$1,716,026
Site Fencing - Ornamental - 4' ht	51 lf	\$225.00 /lf	\$11,475
Site Fencing - Wire Mesh - 4' ht	102 lf	\$150.00 /lf	\$15,300
Site Fencing - Wire Mesh - 6' ht (rooftop play area)	138 lf	\$175.00 /lf	\$24,150
Vehicle Access Gates	1.00 ls	\$25,000.00 /ls	\$25,000
Site Fencing - 4'-0" high, Black Vinyl coated	2,407 lf	\$40.00 /lf	\$96,280
Site Fencing - 6'-0" high, Black Vinyl coated	1,002 lf	\$50.00 /lf	\$50,100
Site Fencing - 7'-0" high, Black Vinyl coated	15 lf	\$55.00 /lf	\$825
Site Fencing - 8'-0" high, Black Vinyl coated	321 lf	\$60.00 /lf	\$19,260
Site Fencing - 10'-0" high, Black Vinyl coated	722 lf	\$80.00 /lf	\$57,760
Site Gate - 4'-0" high, Single Swing	7.00 ea	\$175.00 /ea	\$1,225
Site Gate - 6'-0" high, Single Swing	3.00 ea	\$225.00 /ea	\$675
Site Gate - 8'-0" high, Single Swing	12 ea	\$350.00 /ea	\$4,200
Retaining Walls Complete \$/lf - segmental	91 lf	\$350.00 /lf	\$31,850
Retaining Wall - Concrete (CIP) - complete, footing & wall	250 cy	\$1,000.00 /cy	\$250,000
Retaining Walls - Crushed Stone Base	650 cy	\$35.00 /cy	\$22,750
Custom 2" Black Granite Slab - Target 25% Reduction - VEL12	48 lf	\$2,000.00 /lf	\$96,000
Custom 2" Black Granite Slab - Wall Mounted - 2 locations	-1.00 ls	\$24,000.00 /ls	(\$24,000)
Pre-engineered Boardwalk Ramp System	5,758 sf	\$87.00 /sf	\$500,946
Wood Deck	429 sf	\$80.00 /sf	\$34,320

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Cafe Tables & Seats	18 ea	\$2,500.00 /ea	\$45,000
Concession Table & Bench	9.00 ea	\$2,500.00 /ea	\$22,500
Table / Seats / Bench - target 25% reduction - VEL12	-1.00 ls	\$16,875.00 /ls	(\$16,875)
Metal Guard Railing, Vehicular	2,743 lf	\$45.00 /lf	\$123,435
Gabion Fence Wall w Metal Signage	24 lf	\$1,000.00 /lf	\$24,000
Gabion Seat Wall w Wood Top - Curved	73 lf	\$750.00 /lf	\$54,750
Gabion Seat Wall w Wood Top - Straight	151 lf	\$500.00 /lf	\$75,500
Painted Steel Full Railing @ Concrete Ramp	499 lf	\$150.00 /lf	\$74,850
Painted Steel Full Railing @ Concrete Stairs	172 lf	\$150.00 /lf	\$25,800
Metal Pipe Bollards - Exterior	16 ea	\$1,200.00 /ea	\$19,200
Flagpoles w/ Base	1.00 ls	\$10,000.00 /ls	\$10,000
Metal Shade Roof Pergola	318 sf	\$125.00 /sf	\$39,750
32 90 00 PLANTING		\$16,317.04 / acre	\$979,023
Topsoil / Loam - From Stockpile - F&I	4,250 cy	\$15.00 /cy	\$63,750
Topsoil / Loam - Off-Site - F&I	4,250 cy	\$38.00 /cy	\$161,500
Hydroseeding (Includes Fine Grade)	300,000 sf	\$0.50 /sf	\$150,000
Groundcover - Pennsylvania Sedge - plugs	451 ea	\$7.50 /ea	\$3,383
Ornamental Grasses - Tufted Hair Grass - plugs	2,592 ea	\$7.50 /ea	\$19,440
Shrubs - Gro-Low Fragrant Sumac - 1 gal	202 ea	\$75.00 /ea	\$15,150
01 - October Glory Red Maple - 4" cal	4.00 ea	\$1,600.00 /ea	\$6,400
02 - Red Maple - 1.5" cal	10 ea	\$650.00 /ea	\$6,500
03 - Dawn Redwood - 3" cal	8.00 ea	\$1,200.00 /ea	\$9,600
04 - White Oak - 1.5" cal	18 ea	\$650.00 /ea	\$11,700
05 - Burr Oak - 3.5" cal	8.00 ea	\$1,400.00 /ea	\$11,200
06 - Redpoint Maple - 3" cal	29 ea	\$1,200.00 /ea	\$34,800
07 - Sugar Maple - 2.5" cal	5.00 ea	\$1,000.00 /ea	\$5,000
08 - Clump Paper Birch - 7-8' ht	22 ea	\$750.00 /ea	\$16,500
09 - Heritage Birch - 7-8' ht	3.00 ea	\$750.00 /ea	\$2,250
10 - Whitespire Birch - 15' ht	6.00 ea	\$1,200.00 /ea	\$7,200
11 - Renaissance Upright Paper Birch - 12' - 14'	9.00 ea	\$1,000.00 /ea	\$9,000
12 - American Beech - 2.5" cal	10 ea	\$1,000.00 /ea	\$10,000
13 - Black Gum - 2.5" cal	8.00 ea	\$1,000.00 /ea	\$8,000
14 - Swamp White Oak - 3" cal	9.00 ea	\$1,200.00 /ea	\$10,800
15 - Red Oak - 3.5" cal	23 ea	\$1,400.00 /ea	\$32,200
16 - American Elm - 4.5-5" cal	13 ea	\$2,250.00 /ea	\$29,250
17 - Eastern Red Cedar - 8-10'	12 ea	\$900.00 /ea	\$10,800
18 - Pitch Pine - 8-10' ht	14 ea	\$900.00 /ea	\$12,600
19 - White Pine - 10-12' ht	27 ea	\$1,000.00 /ea	\$27,000
20 - White Pine - 7-8' ht	11 ea	\$750.00 /ea	\$8,250
21 - Autumn Brilliance Serviceberry - 7-8' ht	17 ea	\$750.00 /ea	\$12,750
22 - Donald Wyman Crabapple - 2.5" cal	12 ea	\$750.00 /ea	\$9,000
Mulch	1.00 ls	\$15,000.00 /ls	\$15,000
Stakes & Guying	1.00 ls	\$10,000.00 /ls	\$10,000
Warranty / Maint	0.00 incl		\$0

C3S1 SITE IMPROVEMENTS [CONTINUED]

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
Seating Boulder - Furnish and Set, assume imported (ave weight ~6 tons ea)	33 ea	\$30,000.00 /ea	\$990,000
Seating Boulder - Target Value, less than two tons each (may require qty adjust) VEL01	-1.00 ls	\$740,000.00 /ls	(\$740,000)
97 70 00 CONCEPTUAL BUDGET		\$5,918.27 / acre	\$355,096
Traffic Signal Work per Nitsch Engineering Budget 5-12-21	1.00 ls	\$355,096.00 /ls	\$355,096
33 UTILITIES	60 acre	\$126,809.54 / acre	\$7,608,573
33 10 00 WATER UTILITIES		\$24,555.67 / acre	\$1,473,340
Maintain Groundwater System Operation through construction (temp swales, etc)	1.00 allw	\$500,000.00 /allw	\$500,000
Excav / Bkfl / Install - 6" DI run out to hydrant	393 lf	\$100.00 /lf	\$39,300
Excav / Bkfl / Install - 8" DICL Water Line	6,286 lf	\$140.00 /lf	\$880,040
Tap Existing Water Main	1.00 cond	\$10,000.00 /cond	\$10,000
Fire Hydrants	11 ea	\$4,000.00 /ea	\$44,000
33 30 00 SANITARY SEWERAGE		\$12,343.92 / acre	\$740,635
Sanitary Sewerage Piping, clean and line existing	1,550 lf	\$50.00 /lf	\$77,500
Sanitary Sewerage Piping, PVC, New	4,287 lf	\$105.00 /lf	\$450,135
Sanitary Manhole - Installed	34 ea	\$4,500.00 /ea	\$153,000
Tie-in to Existing Manholes / Pipe	1.00 cond	\$10,000.00 /cond	\$10,000
Grease Trap - Installed	2.00 ea	\$25,000.00 /ea	\$50,000
33 40 00 STORMWATER UTILITIES		\$84,909.96 / acre	\$5,094,598
Excav / Bkfl / Install - 12" HDPE Storm Drainage	6,378 lf	\$85.00 /lf	\$542,130
Excav / Bkfl / Install - 15" HDPE Storm Drainage	1,595 lf	\$100.00 /lf	\$159,500
Excav / Bkfl / Install - 18" HDPE Storm Drainage	1,276 lf	\$110.00 /lf	\$140,360
Excav / Bkfl / Install - 24" HDPE Storm Drainage	850 lf	\$130.00 /lf	\$110,500
Excav / Bkfl / Install - 36" HDPE Storm Drainage	532 lf	\$155.00 /lf	\$82,460
Storm Septors Water Quality Unit - Installed	27 ea	\$20,000.00 /ea	\$540,000
Precast Storm Manholes 4'- 6" - Installed	77 ea	\$5,250.00 /ea	\$404,250
Precast Storm Catch Basins - Installed	96 ea	\$4,750.00 /ea	\$456,000
Precast Storm Oil/Water Separator Tank - Installed	4.00 ea	\$12,500.00 /ea	\$50,000
Area Drains - Installed	9.00 ea	\$2,500.00 /ea	\$22,500
Underground Storm Water Retention System	49,179 sf	\$52.50 /sf	\$2,581,898
Flared End / Swale	2.00 cond	\$2,500.00 /cond	\$5,000
33 80 00 COMMUNICATIONS UTILITIES		\$5,000.00 / acre	\$300,000
Civil work for site electrical per recon	1.00 ls	\$400,000.00 /ls	\$400,000
Civil work for site electrical per recon - VE-04a - delete other sport field lighting besides football	-1.00 ls	\$100,000.00 /ls	(\$100,000)
TOTAL C3S1 SITE IMPROVEMENTS		\$657,342.42 / acre	\$39,440,545

QUALIFICATIONS & ASSUMPTIONS

General Assumptions:

1. Price is based on the design including the following:
 - a. Schematic Design package prepared by DRA dated May 19th, 2021. This includes drawings, narratives, and outline specifications.
 - b. Additional supplemental information including outbuilding drawings and structural narratives, updated geotechnical report dated 6-10-2021
 - c. Accepted Value Engineering Options as informed via discussions, emails, and sketches received on or prior to 6-18 (Log attached, see section 4).
2. Direct Trade Cost is priced in today's dollars. Escalation is included on the summary page to the mid-point of construction.
3. Schedule is based on milestone dates below (see Section 3 for detailed schedule)

Milestones		039	01.Jun.22	09.Jul.26
SU-560	Gilbane On-Site	0d	01.Jun.22	
SU-200	Phase 1 On-Site Start to Construction	0d	15.Jun.22	
SU-250	Phase 2 On-Site Start to Construction	0d	11.Jan.23	
SU-450	Temporary Certificate of Occupancy (Target = 10/1/2025)	0d		02.Sep.25*
SU-530	Ready For Occupancy (Target Date = 12/12/2025)	0d		02.Dec.25*
SU-570	Fields Complete	0d		09.Jul.26

4. Assumes day shift, 5-day work week
 - a. Assumes material release dates as noted on the schedule
5. Assumes market conditions will afford the manpower we have assumed for this project.
6. Project under Ch 149A Procurement method with Prevailing Wage rates.

General Exclusions:

1. Architectural/Engineering Fees.
2. Testing of hazardous materials (asbestos, soils, lead paint, etc.)
3. Relocation of undocumented existing systems.
4. Removal of underground utilities unless in conflict w new building structure and or utilities.
5. FFE (Fixtures, Furnishings, and Equipment) unless otherwise noted.
6. FFE Move in / Move Management.
7. Murals /Art.
8. General Building Permit.
9. Re-use / salvaged material unless specifically noted.
10. Owners Construction Contingency.
11. Preconstruction Fees (carried not in this estimate but in overall owner's project budget).

QUALIFICATIONS & ASSUMPTIONS

Demolition / Abatement:

1. Demolition and abatement of existing school once move-in to new school is included per milestone dates.
2. Foundation Removal is included.

Concrete:

1. Curved Foundations are excluded.).
2. 5" SOG changed to 4"
3. Insulation at SOG carried only 2' at perimeter.
4. Architectural Finish of exposed concrete foundations is excluded.

Masonry:

1. Granite Veneer at retaining wall is excluded.

Metals:

1. Aerelon or special thermal coatings are excluded.
2. Galvanized rooftop equipment platforms are included.
3. Acoustical Deck included at the Gym, Cafeteria, and Main Entry.

Millwork:

1. Casework included as per Consultant Allowance.

Thermal and Moisture:

1. Waterproofing Foundation and Basement Walls is included.
2. Cornice / Overhang at West Elevation excluded per VE and 6-17 Sk.
3. Sunshades carried as allowance, \$150,000

Doors and Hardware:

1. Doors Frames with High Acoustical STC ratings are excluded.
2. Sidelight openings included as 18" width.

QUALIFICATIONS & ASSUMPTIONS

Glass & Glazing:

1. Exterior glass included as double insulated – triple glazing is excluded.
2. Interior fire rated glazing systems targeted at 10% reduction less than what is shown.
3. Ballistic glass carried as an allowance of \$25k (premium).

Interior Construction and Finishes:

1. All partitions carried full height to deck above, with firestopping inserted in deck grooves; castle cutting is excluded.
2. Interior floor and wall finishes included as VE Option 1.
3. Ceilings included as VE Option (See VE Log for details).

Conveying Systems:

1. Cab finish allowance is included, \$35,000.

Fire Suppression:

1. 1,000 GPM electric fire pump shall be provided.
2. Special Fire Protection systems are excluded.
3. We have included a dry sprinkler system for paint booths. A new dry sprinkler system shall be provided for loading dock and fuel storage room.

Plumbing:

1. (2) separate domestic water systems shall be provided to meet building domestic hot water demand.
2. A central tempered water system shall be provided for vocational and science classroom emergency fixtures.
3. We have included (4) compressed air systems serving dentistry, Biotech, and shops.
4. We have included (2) vacuum systems serving dentistry and Biotech.
5. We have included a domestic water booster pump.
6. We have included a drainage system from elevator pits discharging through an oil interceptor.
7. A floor drainage system shall be provided for Auto Body and Automotive Shops. We have also included a floor drainage system for metal fabrication, carpentry, plumbing, and HVAC shops.

HVAC:

1. Mechanical duct cleaning is not included
2. We assume that all piping and ductwork is located within the building

QUALIFICATIONS & ASSUMPTIONS

3. We have not included venturi style boxes for the science labs or the exhaust hoods
4. We have included sound attenuators for the supply and return of the HVAC and HRU units
5. We have not included a energy dashboard

Electrical:

1. Provide empty Conduit Provision for primary and Telcom Services
2. Normal & Emergency Power Distribution & Switchgear has been included.
3. Normal and Emergency Feeders have been carried and will be run in PVC conduit under slab and exterior of the building and in EMT for interior Feeds as applicable.
4. Metering Allowance has been included
5. Plug Load Control Allowance has been included
6. Branch wiring is based on the utilization of MC Cable as applicable per code.
7. Mechanical Equipment Connections & branch wiring are included.
8. 675 KW Diesel Generator and associated ATS switch have been included.
9. Small Power Wiring Devices & branch wiring are included.
10. Power Connection to Shop Equipment, any installation of Cords for Equipment has not been included.
11. Kitchen Equipment Connections have been included
12. Light Fixtures & branch wiring are included.
13. Areas with Undefined Lighting were carried on a square foot cost basis.
14. Lighting Controls are included based standard Switching, Occupancy Sensors and General Dimming allowance has been carried.
15. Theatrical Lighting and Dimming Allowance has been carried for Auditorium.
16. Scoreboard has been included for Gym
17. Fire Alarm System has been included.
18. Bidirectional Amplification system has been included
19. Communication Tel/Data and Av Cabling
20. IPTV and Video on Demand System
21. Large Venue Audio Visual system
22. Classroom Speech Reinforcement
23. Instructional Audio-Visual Systems
24. Public Address
25. Clock System
26. Duress/Panic Alarm
27. Visitor Door Entry
28. Intrusion Detection Equipment and Cabling
29. Integrated/Converged Access control and CTV System

QUALIFICATIONS & ASSUMPTIONS

- 30. Relocation of Existing Vape System and Expansion allowance
- 31. Site Lighting Poles have been included based on quantities as indicated on electrical drawings.
- 32. Sports Lighting has been included
- 33. (2) Vehicle charging Station has been include
- 34. Lightening Protection and Grounding
- 35. Testing and start-up of systems are included.
- 36. Temporary Electric for construction is included.
- 37. Coring and safing for this Scope of Work are included.
- 38. Marking and identification are included.
- 39. Provisions for Photovoltaics are excluded.