

APPENDIX B

COST ESTIMATE PREPARED BY RIDER LEVETT BUCKNALL

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report

	Construction Start	Gross Floor Area	\$/SF	Estimated Construction Cost
OPTION B.2 ADDITION/RENOVATION - 1250 STUDENTS	23-Apr	314,923	\$ 574.44	\$180,904,613
OPTION B.2 ADDITION/RENOVATION - 1400 STUDENTS	23-Apr	343,349	\$ 571.52	\$196,231,933
OPTION B.2 ADDITION/RENOVATION - 1600 STUDENTS	23-Apr	382,653	\$ 551.62	\$211,078,047
OPTION B.2 ADDITION/RENOVATION - 1660 STUDENTS	23-Apr	393,327	\$ 550.12	\$216,376,740
OPTION B.2 ADDITION/RENOVATION - 1722 STUDENTS	23-Apr	403,554	\$ 553.23	\$223,259,827
OPTION C1 NEW BUILDING - 1250 STUDENTS	23-Apr	314,923	\$ 657.24	\$206,980,685
OPTION C1 NEW BUILDING - 1400 STUDENTS	23-Apr	343,349	\$ 644.27	\$221,207,759
OPTION C1 NEW BUILDING - 1600 STUDENTS	23-Apr	382,653	\$ 636.36	\$243,503,186
OPTION C1 NEW BUILDING - 1660 STUDENTS	23-Apr	393,327	\$ 629.44	\$247,577,311
OPTION C1 NEW BUILDING - 1722 STUDENTS	23-Apr	403,554	\$ 626.41	\$252,789,087
OPTION C2 NEW BUILDING - 1250 STUDENTS	23-Apr	314,923	\$ 637.55	\$200,778,855
OPTION C2 NEW BUILDING - 1400 STUDENTS	23-Apr	343,349	\$ 628.16	\$215,677,312
OPTION C2 NEW BUILDING - 1600 STUDENTS	23-Apr	382,653	\$ 618.39	\$236,628,140
OPTION C2 NEW BUILDING - 1660 STUDENTS	23-Apr	393,327	\$ 615.26	\$241,999,081
OPTION C2 NEW BUILDING - 1722 STUDENTS	23-Apr	403,554	\$ 613.19	\$247,456,794
OPTION C3 NEW BUILDING - 1250 STUDENTS	23-Apr	314,923	\$ 663.11	\$208,829,188
OPTION C3 NEW BUILDING - 1400 STUDENTS	23-Apr	343,349	\$ 650.51	\$223,352,903
OPTION C3 NEW BUILDING - 1600 STUDENTS	23-Apr	382,653	\$ 636.38	\$243,514,418
OPTION C3 NEW BUILDING - 1660 STUDENTS	23-Apr	393,327	\$ 633.10	\$249,015,085
OPTION C3 NEW BUILDING - 1722 STUDENTS	23-Apr	403,554	\$ 630.24	\$254,335,941

PREFERRED SCHEMATIC REPORT COST ESTIMATE

2 DECEMBER 2020

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL – ADDITION AND RENOVATION

WAKEFIELD, MA



Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
B1400 OPTION B2 - 1,400 STUDENTS			
B1400A Addition	103,946	544.75	56,624,339
B1400R Renovation	239,144	441.49	105,578,690
B1400S Sitework			24,225,832
B1400P Parking	68,000	130.85	8,898,125
B1400C Ticket Office/Concession	1,600	565.59	904,947
B1400 - OPTION B2 - 1,400 STUDENTS	412,690	\$475.49	\$196,231,933
B1600 OPTION B2 - 1,600 STUDENTS			
B1600A Addition	143,509	488.79	70,146,192
B1600R Renovation	239,144	447.22	106,949,057
B1600S Sitework			24,179,726
B1600P Parking	68,000	130.85	8,898,125
B1600C Ticket Office/Concession	1,600	565.59	904,947
B1600 - OPTION B2 - 1,600 STUDENTS	452,253	\$466.73	\$211,078,047
B1722 OPTION B2 - 1,722 STUDENTS			
B1722A Addition	164,410	508.96	83,677,968
B1722R Renovation	239,144	441.26	105,524,737
B1722S Sitework			24,254,050
B1722P Parking	68,000	130.85	8,898,125
B1722C Ticket Office/Concession	1,600	565.59	904,947
B1722 - OPTION B2 - 1,722 STUDENTS	473,154	\$471.85	\$223,259,827

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
B1400 OPTION B2 - 1,400 STUDENTS			
B1400A Addition	103,946	353.85	36,781,757
B1400R Renovation	239,144	286.78	68,581,279
B1400S Sitework			15,736,496
B1400P Parking	68,000	85.00	5,780,000
B1400C Ticket Office/Concession	1,600	367.39	587,830
B1400 - OPTION B2 - 1,400 STUDENTS	412,690	\$308.87	\$127,467,362
ESTIMATED NET COST	412,690	\$308.87	\$127,467,362
MARGINS & ADJUSTMENTS			
Phasing / Temporary Works	5.0 %		\$6,373,369
Sub-contractor Bonds	1.3 %		\$1,784,544
General Requirements	2.3 %		\$3,186,684
General Conditions	6.4 %		\$8,922,716
Builder's Risk	0.4 %		\$590,938
GLPD	0.8 %		\$1,127,275
Bonds	0.6 %		\$896,717
Permits - by Owner			Excl.
CM Fee	2.5 %		\$3,758,740
Design / Estimating Contingency	15.0 %		\$23,116,252
GMP Contingency	3.0 %		\$5,316,737
ESTIMATED TOTAL COST BEFORE ESCALATION	412,690	\$442.32	\$182,541,334
Escalation Allowance up to mid-point of Construction	7.5 %		\$13,690,599
ESTIMATED TOTAL COST	412,690	\$475.49	\$196,231,933

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	6.40/SF	665,029
A1020 Special Foundations		Excl.
A1030 Slab on Grade	5.57/SF	578,911
Foundations	\$11.97/SF	\$1,243,940
B10 Superstructure		
B1010 Floor Construction	33.26/SF	3,456,967
B1020 Roof Construction	14.72/SF	1,530,432
Superstructure	\$47.98/SF	\$4,987,399
B20 Exterior Enclosure		
B2010 Exterior Walls	45.07/SF	4,684,649
B2020 Exterior Windows	16.34/SF	1,698,638
B2030 Exterior Doors	3.50/SF	363,811
Exterior Enclosure	\$64.91/SF	\$6,747,098
B30 Roofing		
B3010 Roof Coverings	10.51/SF	1,092,192
Roofing	\$10.51/SF	\$1,092,192
C10 Interior Construction		
C1010 Partitions	25.62/SF	2,662,624
C1020 Interior Doors	6.50/SF	675,649
C1030 Fittings	8.75/SF	909,528
Interior Construction	\$40.87/SF	\$4,247,801
C20 Stairs		
C2010 Stair Construction	2.50/SF	259,865
C2020 Stair Finishes	0.79/SF	81,874
Stairs	\$3.29/SF	\$341,739
C30 Interior Finishes		
C3010 Wall Finishes	11.37/SF	1,182,233
C3020 Floor Finishes	18.58/SF	1,931,374
C3030 Ceiling Finishes	10.57/SF	1,099,155
Interior Finishes	\$40.53/SF	\$4,212,762
D10 Conveying		
D1010 Elevators & Lifts	1.73/SF	180,000
Conveying	\$1.73/SF	\$180,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Cost/SF	Total Cost
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	311,838
D2020 Domestic Water Distribution	5.00/SF	519,730
D2030 Sanitary Waste	3.00/SF	311,838
D2040 Rain Water Drainage	2.00/SF	207,892
D2090 Other Plumbing Systems	5.00/SF	519,730
D4010 Sprinklers	5.50/SF	571,703
Plumbing	\$23.50/SF	\$2,442,731
D30 HVAC		
D3020 Heat Generating Systems	1.40/SF	145,524
D3030 Cooling Generating Systems	8.20/SF	852,357
D3040 Distribution Systems	27.00/SF	2,806,542
D3050 Terminal & Package Units	9.25/SF	961,501
D3060 Controls & Instrumentations	7.00/SF	727,622
D3070 Systems Testing & Balancing	0.60/SF	62,368
D3090 Other HVAC Systems & Equipment	4.50/SF	467,757
HVAC	\$57.95/SF	\$6,023,671
D50 Electrical		
D5010 Electrical Service & Distribution	3.68/SF	382,892
D5020 Lighting and Branch Wiring	22.50/SF	2,338,785
D5030 Communications & Security	16.82/SF	1,748,382
D5090 Other Electrical Systems	2.50/SF	259,865
Electrical	\$45.50/SF	\$4,729,924
E10 Equipment		
E1010 Commercial Equipment	1.59/SF	165,000
Equipment	\$1.59/SF	\$165,000
E20 Furnishings		
E2010 Fixed Furnishings	3.54/SF	367,500
Furnishings	\$3.54/SF	\$367,500
ADDITION	\$353.85/SF	\$36,781,757

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1030 Slab on Grade	1.20/SF	285,956
Foundations	\$1.20/SF	\$285,956
B10 Superstructure		
B1010 Floor Construction	5.55/SF	1,327,298
B1020 Roof Construction	0.63/SF	150,000
Superstructure	\$6.18/SF	\$1,477,298
B20 Exterior Enclosure		
B2010 Exterior Walls	12.59/SF	3,009,822
B2020 Exterior Windows	4.11/SF	982,458
B2030 Exterior Doors	1.28/SF	306,700
Exterior Enclosure	\$17.98/SF	\$4,298,980
B30 Roofing		
B3010 Roof Coverings	23.37/SF	5,589,379
Roofing	\$23.37/SF	\$5,589,379
C10 Interior Construction		
C1010 Partitions	11.86/SF	2,837,082
C1020 Interior Doors	8.50/SF	2,032,724
C1030 Fittings	10.49/SF	2,509,093
Interior Construction	\$30.86/SF	\$7,378,899
C20 Stairs		
C2010 Stair Construction	0.20/SF	48,500
Stairs	\$0.20/SF	\$48,500
C30 Interior Finishes		
C3010 Wall Finishes	12.37/SF	2,957,697
C3020 Floor Finishes	11.06/SF	2,645,898
C3030 Ceiling Finishes	5.02/SF	1,199,699
Interior Finishes	\$28.45/SF	\$6,803,294
D10 Conveying		
D1010 Elevators & Lifts	2.76/SF	660,000
Conveying	\$2.76/SF	\$660,000
D20 Plumbing		
D2010 Plumbing Fixtures	3.50/SF	837,004
D2020 Domestic Water Distribution	8.00/SF	1,913,152
D2030 Sanitary Waste	4.00/SF	956,576

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Cost/SF	Total Cost
D2040 Rain Water Drainage	0.50/SF	119,572
D2090 Other Plumbing Systems	5.50/SF	1,315,292
Plumbing	\$21.50/SF	\$5,141,596
D30 HVAC		
D3020 Heat Generating Systems	7.01/SF	1,675,564
D3030 Cooling Generating Systems	6.50/SF	1,554,720
D3040 Distribution Systems	20.00/SF	4,782,880
D3050 Terminal & Package Units	12.31/SF	2,943,728
D3060 Controls & Instrumentations	10.00/SF	2,391,440
D3070 Systems Testing & Balancing	1.00/SF	239,144
D3090 Other HVAC Systems & Equipment	4.50/SF	1,076,148
HVAC	\$61.32/SF	\$14,663,624
D40 Fire Protection		
D4010 Sprinklers	7.00/SF	1,674,008
D4090 Other Fire Protection Systems	0.31/SF	75,000
Fire Protection	\$7.31/SF	\$1,749,008
D50 Electrical		
D5010 Electrical Service & Distribution	5.13/SF	1,227,016
D5020 Lighting and Branch Wiring	18.00/SF	4,304,592
D5030 Communications & Security	20.02/SF	4,786,797
D5090 Other Electrical Systems	2.75/SF	657,646
Electrical	\$45.90/SF	\$10,976,051
E10 Equipment		
E1010 Commercial Equipment	2.76/SF	660,000
E1090 Other Equipment	5.37/SF	1,284,000
Equipment	\$8.13/SF	\$1,944,000
E20 Furnishings		
E2010 Fixed Furnishings	7.59/SF	1,815,155
E2020 Movable Furnishings		Excl.
Furnishings	\$7.59/SF	\$1,815,155
F20 Selective Building Demolition		
F2010 Building Elements Demolition	12.51/SF	2,991,611
F2020 Hazardous Components Abatement	8.03/SF	1,919,675
Selective Building Demolition	\$20.54/SF	\$4,911,286

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description		Cost/SF	Total Cost
G10 Site Preparation			
G1020	Site Demolition and Relocations	0.02/SF	3,720
G1030	Site Earthwork	0.01/SF	1,007
Site Preparation		\$0.02/SF	\$4,727
G20 Site Improvements			
G2030	Pedestrian Paving	0.02/SF	5,774
G2040	Site Development	0.90/SF	215,000
G2045	Athletic, Recreational, and Playfield Areas	2.56/SF	612,752
Site Improvements		\$3.49/SF	\$833,526
RENOVATION		\$286.78/SF	\$68,581,279

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1400 OPTION B2 - 1,400 STUDENTS

B1400S Sitework

Rates Current At November 2020

Description	Cost/SF	Total Cost
G10 Site Preparation		
G1010 Site Clearing		265,065
G1020 Site Demolition and Relocations		855,997
G1030 Site Earthwork		1,971,117
Site Preparation		\$3,092,179
G20 Site Improvements		
G2010 Roadways		2,022,963
G2020 Parking Lots		1,053,721
G2030 Pedestrian Paving		144,635
G2045 Athletic, Recreational, and Playfield Areas		3,880,897
G2050 Landscaping		650,000
Site Improvements		\$7,752,216
G30 Site Mechanical Utilities		
G3010 Water Supply		576,375
G3020 Sanitary Water		316,120
G3030 Storm Sewer		2,316,106
G3090 Other Site Mechanical Utilities		38,500
Site Mechanical Utilities		\$3,247,101
G40 Site Electrical Utilities		
G4010 Electrical Distribution		195,000
G4020 Site Lighting		500,000
G4030 Site Communications & Security		950,000
Site Electrical Utilities		\$1,645,000
SITework		\$15,736,496

Preferred Schematic Report - Renovation and Addition - Reconciled

B1400 OPTION B2 - 1,400 STUDENTS

GFA: 68,000 SF Cost/SF: \$85.00

Rates Current At November 2020

\$5,780,000

Preferred Schematic Report - Renovation and Addition - Reconciled

Rates Current At November 2020

\$587,830

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamat II - Level 2/Elements Summary

Description	Cost/SF	Total Cost
MARGINS & ADJUSTMENTS		
Phasing / Temporary Works		\$6,373,369
Sub-contractor Bonds		\$1,784,544
General Requirements		\$3,186,684
General Conditions		\$8,922,716
Builder's Risk		\$590,938
GLPD		\$1,127,275
Bonds		\$896,717
Permits - by Owner		Excl.
CM Fee		\$3,758,740
Design / Estimating Contingency		\$23,116,252
GMP Contingency		\$5,316,737
ESTIMATED TOTAL COST BEFORE ESCALATION	\$442.32	\$182,541,334
Escalation Allowance up to mid-point of Construction		\$13,690,599
ESTIMATED TOTAL COST	\$475.49	\$196,231,933

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
364 Foundation wall strip footing - allow 3' x 12" deep	LF	1,339.70	90.00	120,573
473 Foudation wall strip footing - allow 3' x 12" deep	LF	18.60	90.00	1,674
366 Allowance for isolated footings, etc.	SF	36,821.00	3.50	128,874
367 Air and vapor barrier	SF	4,199.80	0.30	1,260
368 Rigid insulation, 2" thick	SF	4,199.80	3.00	12,599
369 Perimeter foundation walls - allow 16" thick	SF	4,019.10	65.00	261,242
474 Retaining walls - allow 16" thick	SF	181.00	655.00	118,555
370 Foundation excavation included with site preparation	LS	1.00		Incl.
371 Allowance for foundation backfill	SF	36,821.00	0.55	20,252
Standard Foundations			\$6.40/SF	\$665,029
A1020 Special Foundations				
426 Special foundations such piles, etc. - assumed not required	LS	1.00		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
355 Prepare and compact subbase	SF	36,821.00	0.75	27,616
356 Granular fill below slab on grade	CY	1,818.40	45.00	81,828
357 Air and vapor barrier	SF	36,821.00	0.25	9,205
358 Rigid insulation, 2" thick	SF	36,821.00	3.25	119,668
359 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	36,821.00	8.00	294,568
360 Allowance for radon system	SF	36,821.00	1.25	46,026
Slab on Grade			\$5.57/SF	\$578,911
Foundations			\$11.97/SF	\$1,243,940
B10 Superstructure				
B1010 Floor Construction				
348 Metal floor deck, 3" thick	SF	67,125.50	5.00	335,628
349 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	67,125.50	15.00	1,006,883
350 Allowance structural steel framing including beams, columns, bracing, etc.	T	469.8790	4,500.00	2,114,456
Floor Construction			\$33.26/SF	\$3,456,967
B1020 Roof Construction				
351 Metal roof deck, 3" thick	SF	40,148.60	5.00	200,743

Northeast Metropolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
353 Allowance structural steel framing including beams, columns, bracing, etc.	T	281.0420	4,500.00	1,264,689
354 Allowance for equipment dunnage	T	10.0000	6,500.00	65,000
Roof Construction			\$14.72/SF	\$1,530,432
Superstructure			\$47.98/SF	\$4,987,399
B20 Exterior Enclosure				
B2010 Exterior Walls				
323 High performance insulated precast concrete panel (36%)	SF	18,119.00	100.00	1,811,900
322 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc. (20%)	SF	10,066.10	95.00	956,280
325 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc. (4%)	SF	2,013.50	85.00	171,148
324 Large format exterior CMU veneer, including back-up, insulation, AVB, etc. (10%)	SF	5,033.20	80.00	402,656
321 Paint finish to interior face of exterior wall	SF	24,661.90	1.25	30,827
530 Allowance for equipment roof screen	SF	10,000.00	100.00	1,000,000
531 Allowance for miscellaneous exterior wall not listed above	SF	103,946.00	3.00	311,838
Exterior Walls			\$45.07/SF	\$4,684,649
B2020 Exterior Windows				
277 Curtain wall system (15%)	SF	7,549.50	125.00	943,688
320 Storefront / Window (15%)	SF	7,549.50	100.00	754,950
Exterior Windows			\$16.34/SF	\$1,698,638
B2030 Exterior Doors				
311 Allowance for exterior doors	SF	103,946.00	3.50	363,811
Exterior Doors			\$3.50/SF	\$363,811
Exterior Enclosure			\$64.91/SF	\$6,747,098
B30 Roofing				
B3010 Roof Coverings				
314 PVC Membrane roofing, complete	SF	40,148.50	25.00	1,003,712
318 Aluminum roof edge	LF	1,769.60	50.00	88,480
Roof Coverings			\$10.51/SF	\$1,092,192
Roofing			\$10.51/SF	\$1,092,192

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C10 Interior Construction				
C1010 Partitions				
274 Gypsum board partitions; Corridor wall/ Classroom demising wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	37,234.80	15.00	558,522
275 CMU Partition	SF	11,841.20	25.00	296,030
276 Gypsum board partition	SF	18,117.00	8.00	144,936
312 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	103,946.00	16.00	1,663,136
Partitions			\$25.62/SF	\$2,662,624
C1020 Interior Doors				
310 Allowance for interior doors	SF	103,946.00	6.50	675,649
Interior Doors			\$6.50/SF	\$675,649
C1030 Fittings				
309 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	103,946.00	8.75	909,528
Fittings			\$8.75/SF	\$909,528
Interior Construction			\$40.87/SF	\$4,247,801
C20 Stairs				
C2010 Stair Construction				
307 Allowance for interior stairs	SF	103,946.00	2.50	259,865
Stair Construction			\$2.50/SF	\$259,865
C2020 Stair Finishes				
278 Floor finish to Student Commons Stair, assumes precast terrazzo treads and risers	SF	610.50	45.00	27,472
279 Floor finish to Egress Stair, assumes rubber treads and risers	SF	2,720.10	20.00	54,402
308 Allowance for stair finishes	SF	103,946.00		Incl.
Stair Finishes			\$0.79/SF	\$81,874
Stairs			\$3.29/SF	\$341,739
C30 Interior Finishes				
C3010 Wall Finishes				
294 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	15,041.40	18.00	270,745
295 Wall finish to Lobby / Cafeteria, assumes 50% wood paneling to 4'-0" high	SF	607.40	65.00	39,481
296 Wall finish to Lobby / Cafeteria, assumes 50% large format porcelain to 4'-0" high	SF	607.40	25.00	15,185
297 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	5,307.50	18.00	95,535

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
301 Wall finish to Culinary Arts Kitchen, assumes 50% FRP to 10'-0" high	SF	1,905.40	25.00	47,635
302 Wall finish to Culinary Arts Restaurant, assumes 50% wood paneling to 10'-0" high	SF	1,262.10	50.00	63,105
303 Wall finish to Culinary Arts Restaurant, assumes 50% porcelain tile to 10'-0" high	SF	1,262.10	20.00	25,242
304 Epoxy paint finish to CMU partitions	SF	19,409.10	2.00	38,818
305 Paint finish to GWB partitions	SF	53,405.80	1.25	66,757
306 Allowance for miscellaneous wall finishes now listed above	SF	103,946.00	5.00	519,730
Wall Finishes			\$11.37/SF	\$1,182,233
C3020 Floor Finishes				
34 Carpet tile flooring	SY	1,925.20	50.00	96,260
35 Linoleum flooring	SF	41,567.62	6.50	270,190
36 Epoxy paint flooring	SF	6,164.29	14.00	86,300
45 Terrazzo flooring	SF	22,682.48	50.00	1,134,124
38 Seal concrete flooring	SF	1,417.95	3.00	4,254
39 Ceramic flooring	SF	3,978.79	18.00	71,618
40 Rubber base	LF	8,393.27	10.00	83,933
41 Ceramic base	LF	1,085.37	18.00	19,537
46 Terrazzo base	LF	3,303.17	50.00	165,158
Floor Finishes			\$18.58/SF	\$1,931,374
C3030 Ceiling Finishes				
281 Ceiling finish to Corridor / Lobby, assumes ACT	SF	28,434.90	5.00	142,175
282 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	2,843.70	16.00	45,499
283 Ceiling finish to Classroom / Science Lab/ Special Education, assumes ACT high NRC	SF	42,453.20	10.00	424,532
284 Ceiling finish to Administrative Area, assumes ACT high NRC	SF	10,893.30	10.00	108,933
285 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	5,396.80	17.00	91,746
290 Ceiling finish to Medical, assumes ACT	SF	1,186.30	5.00	5,932
291 Ceiling finish to Vocational Shop (Main Level), assumes paint finish to exposed structure	SF	1,777.40	1.50	2,666
292 Ceiling finish to Kitchen / Culinary Arts Kitchen, assumes ACT washable	SF	6,164.20	6.00	36,985
293 Ceiling finish to Culinary Arts Restaurant, assumes vertical metal ceiling system with ACT suspended grid	SF	3,038.70	45.00	136,741

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
471 Allowance for miscellaneous ceiling finish not listed above	SF	103,946.00	1.00	103,946
Ceiling Finishes			\$10.57/SF	\$1,099,155
Interior Finishes			\$40.53/SF	\$4,212,762
D10 Conveying				
D1010 Elevators & Lifts				
313 Passenger elevator, three stop	EA	1.00	180,000.00	180,000
Elevators & Lifts			\$1.73/SF	\$180,000
Conveying			\$1.73/SF	\$180,000
D20 Plumbing				
D2010 Plumbing Fixtures				
372 Allowance for plumbing fixtures	SF	103,946.00	3.00	311,838
Plumbing Fixtures			\$3.00/SF	\$311,838
D2020 Domestic Water Distribution				
373 Allowance for domestic water distribution	SF	103,946.00	5.00	519,730
Domestic Water Distribution			\$5.00/SF	\$519,730
D2030 Sanitary Waste				
375 Allowance for sanitary waste system	SF	103,946.00	3.00	311,838
Sanitary Waste			\$3.00/SF	\$311,838
D2040 Rain Water Drainage				
376 Allowance for rain water system	SF	103,946.00	2.00	207,892
Rain Water Drainage			\$2.00/SF	\$207,892
D2090 Other Plumbing Systems				
377 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	103,946.00	5.00	519,730
Other Plumbing Systems			\$5.00/SF	\$519,730
D4010 Sprinklers				
404 Allowance for sprinkler systems	SF	103,946.00	5.50	571,703
Sprinklers			\$5.50/SF	\$571,703
Plumbing			\$23.50/SF	\$2,442,731
D30 HVAC				
D3020 Heat Generating Systems				
378 Allowance for heat generating system	SF	103,946.00	1.40	145,524
Heat Generating Systems			\$1.40/SF	\$145,524
D3030 Cooling Generating Systems				
386 Allowance for cooling generating system	SF	103,946.00	8.20	852,357
Cooling Generating Systems			\$8.20/SF	\$852,357

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D3040 Distribution Systems				
394 Allowance for distribution systems	SF	103,946.00	27.00	2,806,542
Distribution Systems			\$27.00/SF	\$2,806,542
D3050 Terminal & Package Units				
396 Allowance for terminal & package units	SF	103,946.00	9.25	961,501
Terminal & Package Units			\$9.25/SF	\$961,501
D3060 Controls & Instrumentations				
401 Allowance for controls system	SF	103,946.00	7.00	727,622
Controls & Instrumentations			\$7.00/SF	\$727,622
D3070 Systems Testing & Balancing				
402 Testing and balancing	SF	103,946.00	0.60	62,368
Systems Testing & Balancing			\$0.60/SF	\$62,368
D3090 Other HVAC Systems & Equipment				
403 Allowance for rigging, temporary heating, commissioning, co-ordination, as-builts, etc.	SF	103,946.00	4.50	467,757
Other HVAC Systems & Equipment			\$4.50/SF	\$467,757
HVAC			\$57.95/SF	\$6,023,671
D50 Electrical				
D5010 Electrical Service & Distribution				
405 Main switchboard, 2,000A/480/277V/3Ph-4W - additional capacity	EA	1.00	100,000.00	100,000
406 Allowance for panelboards, transformers, feeders, ATS, mechanical connections, etc.	SF	103,946.00	2.00	207,892
407 Emergency Power: Diesel fueled generator, 150kW, including sound attenuated enclosure - additional capacity	EA	1.00	75,000.00	75,000
Electrical Service & Distribution			\$3.68/SF	\$382,892
D5020 Lighting and Branch Wiring				
408 Allowance for light fixtures including wiring and controls	SF	103,946.00	15.00	1,559,190
409 Allowance for secondary branch power including receptacles, junction boxes, wiring, etc.	SF	103,946.00	7.50	779,595
Lighting and Branch Wiring			\$22.50/SF	\$2,338,785
D5030 Communications & Security				
410 Tel/Data cabling system (per 3Si)	Item			466,523
411 Audio visual cabling (per 3Si)	Item			29,760
412 IPTV and video on demand system (per 3Si)	Item			106,500
413 Large venue audio/visual system (per 3Si)	Item			136,500
414 Classroom speech reinforcement systems	Item			69,300

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400A Addition (continued)

GFA: 103,946 SF Cost/SF: \$353.85

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
415 Instructional audio/visual systems	Item			186,000
416 Public address system	Item			58,740
417 Clock system	Item			34,020
418 Integrated electronic security system (per 3Si)	Item			349,200
420 Allowance for fire alarm systems	SF	103,946.00	2.50	259,865
419 Allowance for security rough-ins	SF	103,946.00	0.25	25,987
421 Allowance for communication system rough-ins	SF	103,946.00	0.25	25,987
Communications & Security			\$16.82/SF	\$1,748,382
D5090 Other Electrical Systems				
422 Allowance for lightning protection	SF	103,946.00	0.50	51,973
423 Allowance for testing, commissioning, temporary lighting, as-buits, etc.	SF	103,946.00	2.00	207,892
424 PV system - by Others	LS	1.00		Excl.
Other Electrical Systems			\$2.50/SF	\$259,865
Electrical			\$45.50/SF	\$4,729,924
E10 Equipment				
E1010 Commercial Equipment				
329 Food service equipment (per TDA)	Item			165,000
Commercial Equipment			\$1.59/SF	\$165,000
Equipment			\$1.59/SF	\$165,000
E20 Furnishings				
E2010 Fixed Furnishings				
337 Fixed casework and equipment (per TDA)	Item			367,500
Fixed Furnishings			\$3.54/SF	\$367,500
Furnishings			\$3.54/SF	\$367,500
ADDITION			\$353.85/SF	\$36,781,757

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1030 Slab on Grade				
110 Fill-in existing pool with geofoam	CF	29,590.00	8.00	236,720
111 Topping slab to existing pool, 5" thick including reinforcement and forming	SF	2,690.00	15.00	40,350
233 Topping slab to existing stair opening, 5" thick including reinforcement and forming	SF	162.00	15.00	2,430
235 Fill-in existing stair opening with geofoam	CF	807.00	8.00	6,456
Slab on Grade			\$1.20/SF	\$285,956
Foundations			\$1.20/SF	\$285,956
B10 Superstructure				
B1010 Floor Construction				
112 Allowance clipping existing interior masonry walls	SF	239,144.00	5.00	1,195,720
114 New framed concrete slab including reinforcement and forming, 12" thick	SF	1,423.30	45.00	64,048
115 Allowance for new structural beam due to demolition of existing bleachers - allow 75.9 PLF	T	4.2530	10,000.00	42,530
236 Allowance for miscellaneous repairs, in-filling, etc. to existing flooring system	LS	1.00	25,000.00	25,000
Floor Construction			\$5.55/SF	\$1,327,298
B1020 Roof Construction				
113 Allowance for structural roofing upgrade due to new mechanical equipment installation	LS	1.00	150,000.00	150,000
Roof Construction			\$0.63/SF	\$150,000
Superstructure			\$6.18/SF	\$1,477,298
B20 Exterior Enclosure				
B2010 Exterior Walls				
124 Re-pointing and repairs to existing exterior brick walls	SF	40,748.60	45.00	1,833,687
214 Re-pointing and repairs to existing exterior precast concrete walls	SF	5,239.30	35.00	183,375
211 Aluminum composite exterior walls to new elevator including CMU backup	SF	829.00	80.00	66,320
206 Aluminum translucent walls	SF	9,752.00	95.00	926,440
Exterior Walls			\$12.59/SF	\$3,009,822
B2020 Exterior Windows				
125 Aluminum curtain wall system	SF	2,319.40	125.00	289,925
126 Aluminum storefront system	SF	6,727.00	100.00	672,700
209 Exterior window units, 1'-6" x 4'-6"	EA	6.00	950.00	5,700
210 Exterior window units, 2'-8" x 5'-8"	EA	1.00	1,850.00	1,850

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
212 Aluminum glazed transom	SF	78.00	95.00	7,410
213 Aluminum glazed sitelite	SF	51.30	94.99	4,873
Exterior Windows			\$4.11/SF	\$982,458
B2030 Exterior Doors				
101 2@3'-0" x 7'-6" Double leaf glazed door, including frame, finish, and hardware	Pair	3.00	10,500.00	31,500
104 2@3'-0" x 7'-0" Double leaf glazed door, including frame, finish, and hardware	Pair	17.00	9,500.00	161,500
103 2@2'-8" x 7'-2" Double leaf glazed door, including frame, finish, and hardware	Pair	2.00	8,700.00	17,400
102 2@3'-0" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	3.00	3,000.00	9,000
128 3'-0" x 7'-2" Single leaf hollow metal door, including frame, finish, and hardware	EA	17.00	1,300.00	22,100
122 3'-6" x 7'-2" Single leaf glazed door, including frame, finish, and hardware	EA	4.00	5,800.00	23,200
131 10'-0" x 14'-0" Overhead doors, including frame, finish, and hardware	EA	4.00	10,500.00	42,000
Exterior Doors			\$1.28/SF	\$306,700
Exterior Enclosure			\$17.98/SF	\$4,298,980
B30 Roofing				
B3010 Roof Coverings				
93 PVC membrane roofing	SF	197,725.30	10.00	1,977,253
94 Protection board, 1/2" thick	SF	197,725.30	4.00	790,901
95 Tapered insulation, min. 5-1/2" thick	SF	197,725.30	7.00	1,384,077
105 Air vapor barrier to roofing system	SF	197,725.30	2.00	395,450
96 Stainless steel roof edge, 8" high	LF	5,186.30	75.00	388,972
97 Aluminum composite panels	SF	2,177.30	100.00	217,730
98 Allowance for walkway pad	SF	8,897.60	10.00	88,976
99 Allowance for roof blocking	SF	197,725.30	0.75	148,294
100 Allowance for miscellaneous trims and flashings	SF	197,725.30	1.00	197,726
Roof Coverings			\$23.37/SF	\$5,589,379
Roofing			\$23.37/SF	\$5,589,379
C10 Interior Construction				
C1010 Partitions				
63 Masonry partition; allow 4" CMU	SF	4,282.40	20.00	85,648
64 Gypsum board partition - 3 5/8" metal stud, 1 layer 5/8" GWB each side, mineral wool insulation	SF	23,854.80	12.00	286,258
65 Infill existing masonry partitions	SF	225.00	35.00	7,875

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
444 Infill CMU partition to match existing	SF	135.00	45.00	6,075
72 Interior aluminum sidelight (none indicated)	SF	303.30		Excl.
106 Interior aluminum transom (none indicated)	SF	202.30		Excl.
123 Interior storefront system (none indicated)	SF	92.30		Excl.
71 Allowance for miscellaneous caulking and sealing	SF	239,144.00	0.25	59,786
534 Allowance for miscellaneous partitions not indicated above	SF	239,144.00	10.00	2,391,440
Partitions			\$11.86/SF	\$2,837,082
C1020 Interior Doors				
134 2@3'-0" x 7'-0" Double leaf glazed door, including frame, finish, and hardware	Pair	6.00		Incl.
143 2@3'-0" x 7'-0" Double leaf wood door, including frame, finish, and hardware	Pair	47.00		Incl.
146 2@3'-0" x 7'-0" Double leaf wood door, including frame, finish, and hardware (Corridor fire rated doors)	Pair	8.00		Incl.
145 3'-0" x 7'-0" Single leaf wood door, including frame, finish, and hardware	EA	433.00		Incl.
154 Magnetic hold open	EA	8.00		Incl.
528 Allowance for interior doors	SF	239,144.00	8.50	2,032,724
Interior Doors			\$8.50/SF	\$2,032,724
C1030 Fittings				
73 Metal handrail to stairs	LF	198.90	250.00	49,725
74 Metal guardrail to stairs	LF	247.70	350.00	86,695
76 Restroom accessories; toilet partition	EA	15.00	1,200.00	18,000
77 Restroom accessories; toilet partition, ADA	EA	18.00	1,500.00	27,000
78 Allowance for new toilet accessories	SF	239,144.00	2.00	478,288
79 Allowance for new janitor accessories	LS	14.00	250.00	3,500
80 Allowance for new shower accessories	EA	239,144.00	0.10	23,915
84 Allowance for markerboard	LF	239,144.00	0.50	119,572
85 Allowance for tackboard	SF	239,144.00	0.05	11,958
86 Double tier cage lockers, 12" x 72" (Corridors)	EA	1,250.00	500.00	625,000
109 Double tier cage lockers, 12" x 72" (Locker rooms)	EA	317.00	500.00	158,500
75 Allowance for miscellaneous metals not yet designed	SF	239,144.00	1.50	358,716
87 Allowance for rough carpentry	SF	239,144.00	1.00	239,144
88 Allowance for wood blocking	SF	239,144.00	0.50	119,572
89 Allowance for fire extinguishers and cabinets	EA	20.30	500.00	10,150
90 Allowance for interior signage	SF	239,144.00	0.75	179,358

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
91 Allowance for exterior building signage, assumed not required	LS	1.00		Excl.
Fittings			\$10.49/SF	\$2,509,093
Interior Construction			\$30.86/SF	\$7,378,899
C20 Stairs				
C2010 Stair Construction				
119 Metal stairs with concrete filled pans and landing, approximately 12'-10" wide (Main Entrance)	FT/R	6.00	4,500.00	27,000
120 Metal stairs with concrete filled pans and landing, approximately 8'-5" wide (Old Pool)	FT/R	4.00	2,500.00	10,000
121 Metal stairs with concrete filled pans and landing, approximately 8'-0" wide (Corridor)	FT/R	4.60	2,500.00	11,500
Stair Construction			\$0.20/SF	\$48,500
Stairs			\$0.20/SF	\$48,500
C30 Interior Finishes				
C3010 Wall Finishes				
66 Ceramic wall tile	SF	14,700.50	18.00	264,609
67 Paint finish to new interior gypsum partitions	SF	40,552.80	1.25	50,691
68 Paint finish to new interior masonry partitions	SF	7,999.50	2.00	15,999
69 Paint finish to existing partitions	SF	111,404.70	1.25	139,256
70 Allowance for repairs and patching to existing corridor walls	SF	47,851.00	2.00	95,702
529 Allowance for miscellaneous wall finishes now listed above	SF	239,144.00	10.00	2,391,440
Wall Finishes			\$12.37/SF	\$2,957,697
C3020 Floor Finishes				
34 Carpet tile flooring	SY	783.60	50.00	39,180
35 Linoleum flooring	SF	79,770.88	6.50	518,511
36 Epoxy paint flooring	SF	22,450.21	14.00	314,303
37 Athletic performance wood flooring	SF	9,935.00	20.00	198,700
44 Resilient sports flooring (none indicated)	SF	6,689.50		Excl.
45 Terrazzo flooring	SF	1,167.52	50.00	58,376
38 Seal concrete flooring	SF	54,173.95	3.00	162,522
39 Ceramic flooring	SF	10,365.01	18.00	186,570
40 Rubber base	LF	15,992.03	10.00	159,920
41 Ceramic base	LF	1,696.23	18.00	30,531
46 Terrazzo base	LF	412.93	50.00	20,647
482 Entrance mat	SF	152.20	55.00	8,371

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
328 Sand and refinish existing wood flooring at cafeteria stage and storage room	SF	1,671.60	10.00	16,716
42 Prepare existing flooring to receive new floor finish	SF	186,737.10	2.25	420,158
43 Allowance for moisture mitigation system	SF	96,757.40	5.00	483,787
263 Wall base to Corridor, assumes resilient	LF	5,521.30	5.00	27,606
Floor Finishes			\$11.06/SF	\$2,645,898
C3030 Ceiling Finishes				
59 Acoustical ceiling panel, 24" x 24"	SF	201,470.30	5.00	1,007,351
60 Gypsum ceiling system to bathrooms	SF	10,365.10	15.00	155,476
61 Prepare and apply paint to gypsum board ceiling	SF	10,365.10	1.25	12,957
62 Allowance for soffit	SF	239,144.00	0.10	23,915
232 Ceiling finish to shop areas, not required	LS	1.00		Excl.
234 Ceiling finish to graphic design & visual communication shop, not required	LS	1.00		Excl.
Ceiling Finishes			\$5.02/SF	\$1,199,699
Interior Finishes			\$28.45/SF	\$6,803,294
D10 Conveying				
D1010 Elevators & Lifts				
92 Passenger elevator, two stop	EA	1.00	120,000.00	120,000
107 Passenger elevator, three stop	EA	1.00	180,000.00	180,000
201 Passenger elevator, two stop, half flight	EA	2.00	180,000.00	360,000
Elevators & Lifts			\$2.76/SF	\$660,000
Conveying			\$2.76/SF	\$660,000
D20 Plumbing				
D2010 Plumbing Fixtures				
150 Allowance for plumbing fixtures	SF	239,144.00	3.50	837,004
Plumbing Fixtures			\$3.50/SF	\$837,004
D2020 Domestic Water Distribution				
151 Allowance for domestic water system	SF	239,144.00	8.00	1,913,152
Domestic Water Distribution			\$8.00/SF	\$1,913,152
D2030 Sanitary Waste				
152 Allowance for sanitary waste system	SF	239,144.00	4.00	956,576
Sanitary Waste			\$4.00/SF	\$956,576
D2040 Rain Water Drainage				
153 Allowance for modification to existing rain water drainage	SF	239,144.00	0.50	119,572
Rain Water Drainage			\$0.50/SF	\$119,572

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D2090 Other Plumbing Systems				
155 Allowance for miscellaneous gas system, assumes minor modifications and repairs	SF	239,144.00	0.50	119,572
158 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	LS	1.00		Incl.
377 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	239,144.00	5.00	1,195,720
Other Plumbing Systems			\$5.50/SF	\$1,315,292
Plumbing			\$21.50/SF	\$5,141,596
D30 HVAC				
D3020 Heat Generating Systems				
215 Gas fired condensing hot water boiler, 6,000 mbh	EA	2.00	115,000.00	230,000
216 Circulation pump	EA	2.00	1,600.00	3,200
221 Variable flow distribution pump, 500 gmp, 25 HP	EA	3.00	2,500.00	7,500
159 Allowance for existing hot water heating header c/w addition insulated distribution , hook-ups etc.	SF	239,144.00	6.00	1,434,864
Heat Generating Systems			\$7.01/SF	\$1,675,564
D3030 Cooling Generating Systems				
217 Centrifugal chiller, 225 ton	EA	1.00	250,000.00	250,000
218 Cooling tower, allow 255 ton	EA	1.00	100,000.00	100,000
219 Variable flow distribution pump, 225 gmp, 15 HP	EA	2.00	2,000.00	4,000
220 Condenser water pump, 280 gmp, 7.5 HP	EA	2.00	2,500.00	5,000
160 Allowance for existing cooling generating systems c/w addition insulated distribution , hook-ups etc.	SF	239,144.00	5.00	1,195,720
Cooling Generating Systems			\$6.50/SF	\$1,554,720
D3040 Distribution Systems				
161 Modify and replace existing HVAC distribution, diffusers, grills etc.	SF	239,144.00	20.00	4,782,880
Distribution Systems			\$20.00/SF	\$4,782,880
D3050 Terminal & Package Units				
222 Energy recovery ventilator, 1,500 cfm	EA	1.00	24,000.00	24,000
223 Energy recovery ventilator, ceiling concealed, 500 cfm	EA	1.00	8,000.00	8,000
237 Make-up air unit, 4,000 cfm	EA	1.00	30,000.00	30,000
238 Dust collector, 6,000 cfm	LS	1.00	12,000.00	12,000
162 Allowance for terminal & package units	SF	239,144.00	12.00	2,869,728
Terminal & Package Units			\$12.31/SF	\$2,943,728

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D3060 Controls & Instrumentations				
163 DDC controls system c/w front end station, graphics, wiring, testing etc.	SF	239,144.00	10.00	2,391,440
Controls & Instrumentations			\$10.00/SF	\$2,391,440
D3070 Systems Testing & Balancing				
164 Air & water balancing c/w report	SF	239,144.00	1.00	239,144
Systems Testing & Balancing			\$1.00/SF	\$239,144
D3090 Other HVAC Systems & Equipment				
203 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	SF	239,144.00	4.50	1,076,148
Other HVAC Systems & Equipment			\$4.50/SF	\$1,076,148
HVAC			\$61.32/SF	\$14,663,624
D40 Fire Protection				
D4010 Sprinklers				
148 Wet / Dry sprinkler system c/w zoning, distribution, heads, flow switch, tamper switch, fittings, accessories, etc.	SF	239,144.00	7.00	1,674,008
Sprinklers			\$7.00/SF	\$1,674,008
D4090 Other Fire Protection Systems				
165 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	LS	1.00	75,000.00	75,000
Other Fire Protection Systems			\$0.31/SF	\$75,000
Fire Protection			\$7.31/SF	\$1,749,008
D50 Electrical				
D5010 Electrical Service & Distribution				
228 Main switchboard, 4,000A	EA	1.00	225,000.00	225,000
229 Utility transformer	EA	1.00	15,000.00	15,000
239 Transformers to classrooms and shops, 120/208V	EA	67.00	1,500.00	100,500
240 Electrical panels to classrooms and shops, 277/208V	EA	67.00	2,500.00	167,500
241 Emergency generator, gas fired, 450KW, 277/480V	EA	1.00	350,000.00	350,000
242 Panelboard, ATS, 300A	EA	1.00	4,800.00	4,800
243 Panelboard, ATS, 400A	EA	1.00	5,500.00	5,500
166 Allowance for minor upgrade to existing electrical service and distribution	SF	239,144.00	1.50	358,716
Electrical Service & Distribution			\$5.13/SF	\$1,227,016
D5020 Lighting and Branch Wiring				
167 Allowance for lighting and branch wiring	SF	239,144.00	18.00	4,304,592

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
246 Exterior building lighting at entrances	EA	25.00		Incl.
Lighting and Branch Wiring			\$18.00/SF	\$4,304,592
D5030 Communications & Security				
410 Tel/Data cabling system (per 3Si)	Item			1,088,553
411 Audio visual cabling (per 3Si)	Item			69,440
412 IPTV and video on demand system (per 3Si)	Item			248,500
413 Large venue audio/visual system (per 3Si)	Item			318,500
414 Classroom speech reinforcement systems	Item			161,700
415 Instructional audio/visual systems	Item			434,000
416 Public address system	Item			137,060
417 Clock system	Item			79,380
418 Integrated electronic security system (per 3Si)	Item			814,800
183 Addressable fire alarm system c/w equipment, devices, testing, verification and integration to existing system	SF	239,144.00	3.00	717,432
168 Data and Voice outlets, horizontal cabling, conduit, cable trays, J hooks, backboards, racks, patch panels, backbone cabling and all necessary wire management and distribution accessories - rough-ins	SF	239,144.00	1.00	239,144
184 Security systems; extend existing Intrusion alarm, door access and CCTV systems - rough-ins	SF	239,144.00	1.00	239,144
192 Data and CATV cabling c/w raceways to support Audio visual systems - rough-ins	SF	239,144.00	1.00	239,144
Communications & Security			\$20.02/SF	\$4,786,797
D5090 Other Electrical Systems				
170 Coordination-Record Drawings/BIM	SF	239,144.00		Incl.
171 Marking, identification, cutting, patching, coring, sleeves, fire stops, seals, etc.	SF	239,144.00	2.00	478,288
204 Lightning control allowance	SF	239,144.00	0.75	179,358
Other Electrical Systems			\$2.75/SF	\$657,646
Electrical			\$45.90/SF	\$10,976,051
E10 Equipment				
E1010 Commercial Equipment				
329 Food service equipment (per TDA)	Item			660,000
Commercial Equipment			\$2.76/SF	\$660,000
E1090 Other Equipment				
330 Basketball backstops	LS	1.00	27,000.00	27,000
331 Stage Curtains and Rigging - Powered rigging (per TDA)	LS	1.00	650,000.00	650,000
332 Divider curtains (per TDA)	LS	1.00	32,000.00	32,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
333 Gym wall padding (per TDA)	LS	1.00	25,000.00	25,000
334 Automotive Refinishing - Booths/Frame machine (per TDA)	LS	1.00	325,000.00	325,000
335 Automotive Tech - Lifts (per TDA)	LS	1.00	160,000.00	160,000
336 HVAC/plumbing - Boiler/Furnace/Split Systems (per TDA)	LS	1.00	65,000.00	65,000
Other Equipment			\$5.37/SF	\$1,284,000
Equipment			\$8.13/SF	\$1,944,000
E20 Furnishings				
E2010 Fixed Furnishings				
108 Casework; Wood bench	LF	120.30	150.00	18,045
116 Casework; Solid wood frame to control panels, 1'-0" x 10'-0"	EA	67.00	250.00	16,750
193 Allowance for casework not identified	SF	239,144.00	2.50	597,860
337 Fixed casework and equipment (per TDA)	Item			857,500
338 Telescoping bleachers (per TDA)	LS	1.00	215,000.00	215,000
339 Cosmetology - Wet Stations/Manicure/Styling	LS	1.00	110,000.00	110,000
Fixed Furnishings			\$7.59/SF	\$1,815,155
E2020 Movable Furnishings				
172 FF&E - Assumed by owner	LS	1.00		Excl.
Movable Furnishings				Excl.
Furnishings			\$7.59/SF	\$1,815,155
F20 Selective Building Demolition				
F2010 Building Elements Demolition				
1 Take down and remove existing asphaltic roofing (included in HazMat)	SF	24,734.60		Incl.
2 Take down and remove existing rubber roofing	SF	172,990.60	2.00	345,982
3 Take down and remove existing stainless steel roof edges	LF	5,186.30	10.00	51,863
4 Take down and remove existing metal fascia	SF	2,177.30	5.00	10,886
49 Remove and dispose of existing canopy including stone columns	SF	1,356.30	25.00	33,907
5 Take down and remove existing curtain wall system	SF	1,688.00	15.00	25,320
8 Take down and remove existing exterior storefront including operable windows	SF	6,454.60	15.00	96,819
205 Take down and remove existing exterior aluminum translucent walls including operable windows	SF	9,752.00	15.00	146,280
207 Take down and remove existing aluminum glazed transom	SF	78.00	15.00	1,170

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78
Rates Current At November 2020

Description	Unit	Qty	Rate	Total
208 Take down and remove existing aluminum glazed sitelite	SF	51.30	14.99	769
6 Take down and remove existing exterior window units, 1'-6" x 4'-6"	EA	6.00	150.00	900
51 Take down and remove existing exterior window units, 2'-8" x 5'-8"	EA	1.00	150.00	150
7 Cut, take down and remove existing exterior brick walls to enlarge openings (none indicated)	SF	89.30		Excl.
52 Cut, take down and remove existing exterior brick walls to create openings	SF	390.70	10.00	3,907
9 Remove and dispose of existing stairs, 4'-8" wide	FT/R	3.60	150.00	540
47 Remove and dispose of existing stairs, 3'-10" wide	FT/R	7.00	150.00	1,050
118 Remove and dispose of existing stairs, 4'-2" wide	FT/R	25.30	150.00	3,795
342 Remove and dispose of existing stairs, 6'-9" wide	FT/R	13.50	250.00	3,375
117 Remove and dispose of existing stairs, 7'-10" wide (none indicated)	FT/R	6.00		Excl.
10 Remove and dispose of existing ramp	SF	103.60	15.00	1,554
11 Remove and dispose of existing guardrails	LF	166.60	10.00	1,666
12 Remove and dispose of existing handrails	LF	144.30	10.00	1,443
13 Remove and dispose of existing double leaf doors	EA	86.00	100.00	8,600
14 Remove and dispose of existing single leaf doors	EA	454.00	75.00	34,050
132 Remove and dispose of existing overhead doors, 10'-0" x 14'-0"	EA	4.00	500.00	2,000
16 Lift and remove existing floor finishes including base	SF	164,081.30	1.00	164,081
18 Lift and remove existing ceramic floor finishes including base	SF	14,797.30	2.00	29,594
19 Take down and remove existing ceiling finishes	SF	211,835.30	1.25	264,795
21 Take down and remove existing ceramic wall finishes	SF	22,951.30	2.00	45,902
22 Take down and remove existing interior CMU walls	SF	8,038.90	8.00	64,311
23 Cut and create opening into CMU walls for new doors	EA	3.00	1,000.00	3,000
20 Enlarge opening into interior CMU walls	SF	655.60	10.00	6,556
48 Remove and dispose of folding partition, assumes 10'-0" high	SF	1,079.30	10.00	10,793
24 Take down existing toilet partitions	EA	47.00	150.00	7,050
25 Remove and dispose of existing restroom accessories	SF	4,894.30	7.00	34,260
54 Remove and dispose of existing shower accessories - allow	SF	563.20	3.00	1,690
55 Remove and dispose of existing janitor closet accessories	LS	14.00	350.00	4,900
27 Remove and dispose of bleachers	SF	750.30	20.00	15,006

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description		Unit	Qty	Rate	Total
28	Remove and dispose of metal lockers	EA	1,586.00	20.00	31,720
29	Remove and dispose of masonry / tile benches	LF	70.30	20.00	1,406
32	Allowance for existing interior millwork demolition not identified	SF	239,144.00	0.15	35,871
53	Allowance for interior demolition not identified below	SF	239,144.00	0.25	59,786
33	Remove and dispose of existing FF&E (assume by Owner)	LS	1.00		Excl.
147	MEP selective demolition, decommission, removal and disposal	SF	239,144.00	6.00	1,434,864
Building Elements Demolition				\$12.51/SF	\$2,991,611
F2020 Hazardous Components Abatement					
58	Allowance for hazardous materials abatement (per CDWCI report dated April 14, 2020)	LS	1.00	1,919,675.00	1,919,675
Hazardous Components Abatement				\$8.03/SF	\$1,919,675
Selective Building Demolition				\$20.54/SF	\$4,911,286
G10 Site Preparation					
G1020 Site Demolition and Relocations					
135	Demolish concrete ramps	SF	340.00	3.00	1,020
177	Remove and dispose of existing basketball hoops	EA	4.00	300.00	1,200
190	Remove and dispose existing day care playground equipment and surfacing	LS	1.00	1,500.00	1,500
Site Demolition and Relocations				\$0.02/SF	\$3,720
G1030 Site Earthwork					
195	Excavate for walkway including spoil removal, allow rock excavation	CY	12.59	80.00	1,007
Site Earthwork				\$0.01/SF	\$1,007
Site Preparation				\$0.02/SF	\$4,727
G20 Site Improvements					
G2030 Pedestrian Paving					
136	New concrete ramps	SF	340.00	15.00	5,100
197	Prepare and compact subbase	SF	339.82	0.50	170
198	Granular bedding, allow 12" thick	CY	12.59	40.00	504
Pedestrian Paving				\$0.02/SF	\$5,774
G2040 Site Development					
191	New day care playground and surfacing	LS	1.00	200,000.00	200,000
202	Allowance for athletic field restoration due to new water line services	LS	1.00	15,000.00	15,000
Site Development				\$0.90/SF	\$215,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.78

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G2045 Athletic, Recreational, and Playfield Areas				
178 Re-surface existing basketball courts	SF	12,981.00	10.00	129,810
179 New basketball court fencing	LF	456.60	100.00	45,660
181 New athletic fields dugouts	EA	4.00	50,000.00	200,000
182 New aluminum spectator bleachers/seating - allow 100 seats capacity	LS	3.00	45,000.00	135,000
185 Baseball field chain-link fence	LF	1,232.60	70.00	86,282
194 New basketball hoops	EA	4.00	4,000.00	16,000
Athletic, Recreational, and Playfield Areas			\$2.56/SF	\$612,752
Site Improvements			\$3.49/SF	\$833,526
RENOVATION			\$286.78/SF	\$68,581,279

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400S Sitework

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G10 Site Preparation				
G1010 Site Clearing				
460 Allowance for site clearing	Acre	3.430	1,500.00	5,145
461 Construction fence	LF	2,000.60	15.00	30,009
462 Construction entrance	EA	2.00	7,500.00	15,000
463 Mobilization	LS	1.00	65,000.00	65,000
464 Submittals, as-builts, layouts, etc.	LS	1.00	40,000.00	40,000
465 Erosion controls including maintenance	SF	732,741.00	0.15	109,911
Site Clearing				\$265,065
G1020 Site Demolition and Relocations				
129 Break-out and remove portion of existing parking lot	SF	96,451.30	2.00	192,903
130 Grind/mill existing top course	SF	129,583.80	0.75	97,188
137 Break-out and remove walkways	SF	12,495.00	2.00	24,990
344 Break-out portion of existing roadway affected by new construction	SF	17,835.00	2.00	35,670
438 Demolish existing support structures	SF	4,098.60	6.00	24,592
452 Excavate for new access pavement including spoil removal, allow rock excavation	CY	2,059.30	80.00	164,744
498 Break-out existing athletic pavement (tracks, long-jump, etc.)	SF	41,394.00	0.75	31,045
499 Remove existing bleachers	SF	7,506.30	3.00	22,519
500 Remove existing fence	LF	2,921.60	10.00	29,216
501 Remove existing metal guardrail	LF	187.30	15.00	2,809
508 Sawcut and break-out existing roadway due to utility construction	SF	8,002.00	15.75	126,031
510 Sawcut and break-out existing access road and parking due to utility construction	SF	6,621.60	15.75	104,290
Site Demolition and Relocations				\$855,997
G1030 Site Earthwork				
195 Excavate for walkway including spoil removal, allow rock excavation	CY	760.41	80.00	60,833
447 Excavate for new parking pavement including spoil removal, allow rock excavation	CY	1,118.60	80.00	89,488
459 Allowance for building platform, allow rock excavation	CY	30,346.60	60.00	1,820,796
Site Earthwork				\$1,971,117
Site Preparation				\$3,092,179
G20 Site Improvements				
G2010 Roadways				
453 Prepare and compact subbase for new pavement	SF	56,323.60	0.35	19,714

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
454 Granular bedding for pavement, allow 12" thick	CY	2,086.30	40.00	83,452
455 Binder and top course to new access pavement, allow 4" overall thickness	SY	4,633.60	40.00	185,344
509 Re-paved existing roadway due to utilities construction	SY	1,625.00	50.00	81,250
456 Allowance for new granite curbs	LF	2,559.60	55.00	140,778
457 Allowance for pavement markings	SF	49,702.30	0.25	12,425
532 Intersection improvement including traffic signals	LS	1.00	1,500,000.00	1,500,000
Roadways				\$2,022,963
G2020 Parking Lots				
445 Prepare and compact subbase for new pavement	SF	42,649.70	0.35	14,927
449 Granular bedding for pavement, allow 12" thick	CY	1,579.90	40.00	63,196
140 New base and finish course to existing parking lot and access way	SY	14,398.50	40.00	575,940
450 Binder and top course to new parking pavement, allow 4" overall thickness	SY	2,516.80	40.00	100,672
141 Allowance for new granite curbs	LF	3,037.00	55.00	167,035
478 Allowance for temporary parking	SY	2,222.30	40.00	88,892
142 Allowance for pavement markings	SF	172,233.20	0.25	43,059
Parking Lots				\$1,053,721
G2030 Pedestrian Paving				
133 Concrete walkways, allow 5" thick	SF	14,490.30	8.00	115,922
197 Prepare and compact subbase	SF	14,490.18	0.50	7,245
198 Granular bedding, allow 12" thick	CY	536.71	40.00	21,468
Pedestrian Paving				\$144,635
G2045 Athletic, Recreational, and Playfield Areas				
483 Prepare and compact subbase	SF	260,948.60	0.35	91,332
484 Granular bedding to athletic fields, allow 12" thick	CY	4,990.30	40.00	199,612
485 Running track surface	SF	35,678.00	15.00	535,170
486 Synthetic turf	SF	76,129.30	10.00	761,293
487 Seeding to baseball & softball fields including bedding, allow 8" thick	SF	126,212.60	1.75	220,873
488 Baseball & Softball athletic fields	SF	22,929.30	2.00	45,858
489 Long jump	SF	1,047.60	10.00	10,476
490 Seeding to football / soccer fields including bedding, allow 8" thick	SF	39,140.60	1.75	68,497
492 Football scoreboard	EA	1.00	30,000.00	30,000
493 Baseball & Softball backstops	LF	340.00	250.00	85,000
494 Baseball & Softball perimeter fencing	LF	1,802.00	40.00	72,080

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
495 Bleacher structure spectator seating including pressbox, 954 seating capacity	LS	1.00	1,400,000.00	1,400,000
497 Irrigation to athletic fields	SF	165,353.00	2.00	330,706
502 Football goal	EA	2.00	15,000.00	30,000
Athletic, Recreational, and Playfield Areas				\$3,880,897
G2050 Landscaping				
180 Lawn to existing athletic fields (refer to G2045)	SF	179,650.30		Incl.
200 Allowance for new plantings (trees, shrubs, etc.)	LS	1.00	650,000.00	650,000
Landscaping				\$650,000
Site Improvements				\$7,752,216
G30 Site Mechanical Utilities				
G3010 Water Supply				
503 Connect to existing mains	LS	1.00	10,000.00	10,000
504 Hydrant	EA	3.00	4,500.00	13,500
505 CLDI pipe, 8"	LF	841.00	100.00	84,100
507 Water mains, DI pipe, 16"	LF	1,990.00	200.00	398,000
189 Excavation and backfil	LF	2,831.00	25.00	70,775
Water Supply				\$576,375
G3020 Sanitary Water				
506 Clean and re-align existing sewer pipe	LF	2,340.00	50.00	117,000
511 Precast concrete grease trap, 10,000 gal.	EA	1.00	25,000.00	25,000
512 Manholes	EA	3.00	3,500.00	10,500
513 PVC pipe, 6"	LF	450.00	60.00	27,000
514 PVC Pipe, force main, 4"	LF	271.60	50.00	13,580
515 Pump station	EA	1.00	100,000.00	100,000
516 Oil and water separator	EA	1.00	5,000.00	5,000
517 Excavation and backfil	LF	721.60	25.00	18,040
Sanitary Water				\$316,120
G3030 Storm Sewer				
518 Catchbasins	EA	16.00	3,000.00	48,000
519 Area drain	EA	8.00	500.00	4,000
520 Manholes	EA	12.00	5,000.00	60,000
521 Water quality structure	EA	5.00	35,000.00	175,000
522 HDPE pipe, 12"	LF	1,508.30	55.00	82,956
523 HDPE pipe, 24"	LF	783.60	100.00	78,360
524 Subsurface infiltration system	SF	45,000.00	40.00	1,800,000
525 Connect to existing	EA	3.00	3,500.00	10,500

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1400 OPTION B2 - 1,400 STUDENTS

B1400S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
526 Excavation and backfil	LF	2,291.60	25.00	57,290
Storm Sewer				\$2,316,106
G3090 Other Site Mechanical Utilities				
173 Gas: Connect to existing main - by Utility Co.	LS	1.00		Excl.
174 Gas: Gas piping - by Utility Co.	LF	1,100.00		Excl.
175 Gas: Trenching and backfill	LF	1,100.00	35.00	38,500
Other Site Mechanical Utilities				\$38,500
Site Mechanical Utilities				\$3,247,101
G40 Site Electrical Utilities				
G4010 Electrical Distribution				
247 Allowance for site electrical distribution	LS	1.00	195,000.00	195,000
Electrical Distribution				\$195,000
G4020 Site Lighting				
244 Pole lights including wiring and connections, 25' high - allow	LS	1.00	400,000.00	400,000
245 Pedestrian area lights including wiring and connections, 12' high - allow	LS	1.00	100,000.00	100,000
Site Lighting				\$500,000
G4030 Site Communications & Security				
533 Allowance for site communications & security	LS	1.00	950,000.00	950,000
Site Communications & Security				\$950,000
Site Electrical Utilities				\$1,645,000
SITEWORK				\$15,736,496

Preferred Schematic Report - Renovation and Addition - Reconciled

B1400 OPTION B2 - 1,400 STUDENTS

GFA: 68,000 SF Cost/SF: \$85.00

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F10 Special Construction				
F1030 Special Construction Systems				
341 Allowance for above grade parking structure	SF	68,000.00	85.00	5,780,000
Special Construction Systems			\$85.00/SF	\$5,780,000
Special Construction			\$85.00/SF	\$5,780,000
PARKING			\$85.00/SF	\$5,780,000

Preferred Schematic Report - Renovation and Addition - Reconciled

B1400 OPTION B2 - 1,400 STUDENTS

GFA: 1,600 SF Cost/SF: \$367.39

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F10 Special Construction				
F1030 Special Construction Systems				
527 Allowance for Ticket office/Concession	LS	1.00	587,830.00	587,830
Special Construction Systems			\$367.39/SF	\$587,830
Special Construction			\$367.39/SF	\$587,830
TICKET OFFICE/CONCESSION			\$367.39/SF	\$587,830

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
B1600 OPTION B2 - 1,600 STUDENTS			
B1600A Addition	143,509	317.51	45,565,214
B1600R Renovation	239,144	290.50	69,471,437
B1600S Sitework			15,706,545
B1600P Parking	68,000	85.00	5,780,000
B1600C Ticket Office/Concession	1,600	367.39	587,830
B1600 - OPTION B2 - 1,600 STUDENTS	452,253	\$303.17	\$137,111,026
ESTIMATED NET COST	452,253	\$303.17	\$137,111,026
MARGINS & ADJUSTMENTS			
Phasing / Temporary Works	5.0 %		\$6,855,551
Sub-contractor Bonds	1.3 %		\$1,919,554
General Requirements	2.3 %		\$3,427,775
General Conditions	6.4 %		\$9,597,772
Builder's Risk	0.4 %		\$635,648
GLPD	0.8 %		\$1,212,559
Bonds	0.6 %		\$964,560
Permits - by Owner			Excl.
CM Fee	2.5 %		\$4,043,111
Design / Estimating Contingency	15.0 %		\$24,865,134
GMP Contingency	3.0 %		\$5,718,981
ESTIMATED TOTAL COST BEFORE ESCALATION	452,253	\$434.16	\$196,351,671
Escalation Allowance up to mid-point of Construction	7.5 %		\$14,726,376
ESTIMATED TOTAL COST	452,253	\$466.73	\$211,078,047

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	5.82/SF	835,771
A1020 Special Foundations		Excl.
A1030 Slab on Grade	5.41/SF	776,052
Foundations	\$11.23/SF	\$1,611,823
B10 Superstructure		
B1010 Floor Construction	33.79/SF	4,848,691
B1020 Roof Construction	11.53/SF	1,655,101
Superstructure	\$45.32/SF	\$6,503,792
B20 Exterior Enclosure		
B2010 Exterior Walls	35.27/SF	5,061,910
B2020 Exterior Windows	12.74/SF	1,828,867
B2030 Exterior Doors	3.50/SF	502,282
Exterior Enclosure	\$51.52/SF	\$7,393,059
B30 Roofing		
B3010 Roof Coverings	8.42/SF	1,208,450
Roofing	\$8.42/SF	\$1,208,450
C10 Interior Construction		
C1010 Partitions	22.11/SF	3,173,272
C1020 Interior Doors	6.50/SF	932,809
C1030 Fittings	8.75/SF	1,255,704
Interior Construction	\$37.36/SF	\$5,361,785
C20 Stairs		
C2010 Stair Construction	2.50/SF	358,773
C2020 Stair Finishes	0.54/SF	77,374
Stairs	\$3.04/SF	\$436,147
C30 Interior Finishes		
C3010 Wall Finishes	11.26/SF	1,615,982
C3020 Floor Finishes	12.74/SF	1,828,363
C3030 Ceiling Finishes	8.12/SF	1,165,875
Interior Finishes	\$32.12/SF	\$4,610,220
D10 Conveying		
D1010 Elevators & Lifts	1.25/SF	180,000
Conveying	\$1.25/SF	\$180,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Cost/SF	Total Cost
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	430,527
D2020 Domestic Water Distribution	5.00/SF	717,545
D2030 Sanitary Waste	3.00/SF	430,527
D2040 Rain Water Drainage	2.00/SF	287,018
D2090 Other Plumbing Systems	5.00/SF	717,545
D4010 Sprinklers	5.50/SF	789,300
Plumbing	\$23.50/SF	\$3,372,462
D30 HVAC		
D3020 Heat Generating Systems	1.40/SF	200,913
D3030 Cooling Generating Systems	8.20/SF	1,176,774
D3040 Distribution Systems	27.00/SF	3,874,743
D3050 Terminal & Package Units	9.25/SF	1,327,458
D3060 Controls & Instrumentations	7.00/SF	1,004,563
D3070 Systems Testing & Balancing	0.60/SF	86,105
D3090 Other HVAC Systems & Equipment	4.50/SF	645,791
HVAC	\$57.95/SF	\$8,316,347
D50 Electrical		
D5010 Electrical Service & Distribution	3.22/SF	462,018
D5020 Lighting and Branch Wiring	22.50/SF	3,228,953
D5030 Communications & Security	13.86/SF	1,988,885
D5090 Other Electrical Systems	2.50/SF	358,773
Electrical	\$42.08/SF	\$6,038,629
E10 Equipment		
E1010 Commercial Equipment	1.15/SF	165,000
Equipment	\$1.15/SF	\$165,000
E20 Furnishings		
E2010 Fixed Furnishings	2.56/SF	367,500
Furnishings	\$2.56/SF	\$367,500
ADDITION	\$317.51/SF	\$45,565,214

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1030 Slab on Grade	1.16/SF	277,070
Foundations	\$1.16/SF	\$277,070
B10 Superstructure		
B1010 Floor Construction	5.75/SF	1,374,439
B1020 Roof Construction	0.63/SF	150,000
Superstructure	\$6.37/SF	\$1,524,439
B20 Exterior Enclosure		
B2010 Exterior Walls	12.31/SF	2,943,507
B2020 Exterior Windows	3.29/SF	785,884
B2030 Exterior Doors	1.00/SF	238,200
C1020 Interior Doors		Incl.
Exterior Enclosure	\$16.59/SF	\$3,967,591
B30 Roofing		
B3010 Roof Coverings	23.37/SF	5,589,381
Roofing	\$23.37/SF	\$5,589,381
C10 Interior Construction		
C1010 Partitions	13.13/SF	3,139,039
C1020 Interior Doors	8.50/SF	2,032,724
C1030 Fittings	10.94/SF	2,615,831
Interior Construction	\$32.56/SF	\$7,787,594
C20 Stairs		
C2010 Stair Construction	0.14/SF	34,250
C2020 Stair Finishes	0.02/SF	3,847
Stairs	\$0.16/SF	\$38,097
C30 Interior Finishes		
C3010 Wall Finishes	12.42/SF	2,969,582
C3020 Floor Finishes	11.07/SF	2,646,789
C3030 Ceiling Finishes	5.02/SF	1,199,699
Interior Finishes	\$28.50/SF	\$6,816,070
D10 Conveying		
D1010 Elevators & Lifts	2.13/SF	510,000
Conveying	\$2.13/SF	\$510,000
D20 Plumbing		
D2010 Plumbing Fixtures	3.50/SF	837,004

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Cost/SF	Total Cost
D2020 Domestic Water Distribution	8.00/SF	1,913,152
D2030 Sanitary Waste	4.00/SF	956,576
D2040 Rain Water Drainage	0.50/SF	119,572
D2090 Other Plumbing Systems	5.50/SF	1,315,292
Plumbing	\$21.50/SF	\$5,141,596
D30 HVAC		
D3020 Heat Generating Systems	7.01/SF	1,675,564
D3030 Cooling Generating Systems	6.50/SF	1,554,720
D3040 Distribution Systems	20.00/SF	4,782,880
D3050 Terminal & Package Units	12.31/SF	2,943,728
D3060 Controls & Instrumentations	10.00/SF	2,391,440
D3070 Systems Testing & Balancing	1.00/SF	239,144
D3090 Other HVAC Systems & Equipment	4.50/SF	1,076,148
HVAC	\$61.32/SF	\$14,663,624
D40 Fire Protection		
D4010 Sprinklers	7.00/SF	1,674,008
D4090 Other Fire Protection Systems	0.31/SF	75,000
Fire Protection	\$7.31/SF	\$1,749,008
D50 Electrical		
D5010 Electrical Service & Distribution	5.13/SF	1,227,016
D5020 Lighting and Branch Wiring	18.00/SF	4,304,592
D5030 Communications & Security	21.20/SF	5,071,032
D5090 Other Electrical Systems	2.75/SF	657,646
Electrical	\$47.09/SF	\$11,260,286
E10 Equipment		
E1010 Commercial Equipment	2.76/SF	660,000
E1090 Other Equipment	5.37/SF	1,284,000
Equipment	\$8.13/SF	\$1,944,000
E20 Furnishings		
E2010 Fixed Furnishings	7.59/SF	1,815,155
E2020 Movable Furnishings		Excl.
Furnishings	\$7.59/SF	\$1,815,155
F20 Selective Building Demolition		
F2010 Building Elements Demolition	15.05/SF	3,599,581

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description		Cost/SF	Total Cost
F2020	Hazardous Components Abatement	8.03/SF	1,919,675
Selective Building Demolition		\$23.08/SF	\$5,519,256
G10 Site Preparation			
G1020	Site Demolition and Relocations	0.02/SF	3,720
G1030	Site Earthwork	0.01/SF	1,007
Site Preparation		\$0.02/SF	\$4,727
G20 Site Improvements			
G2030	Pedestrian Paving	0.02/SF	5,774
G2040	Site Development	0.90/SF	215,000
G2045	Athletic, Recreational, and Playfield Areas	2.69/SF	642,769
Site Improvements		\$3.61/SF	\$863,543
RENOVATION		\$290.50/SF	\$69,471,437

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1600 OPTION B2 - 1,600 STUDENTS

B1600S Sitework

Rates Current At November 2020

Description	Cost/SF	Total Cost
G10 Site Preparation		
G1010 Site Clearing		265,066
G1020 Site Demolition and Relocations		856,003
G1030 Site Earthwork		1,971,123
Site Preparation		\$3,092,192
G20 Site Improvements		
G2010 Roadways		2,022,972
G2020 Parking Lots		1,053,728
G2030 Pedestrian Paving		144,635
G2045 Athletic, Recreational, and Playfield Areas		3,850,897
G2050 Landscaping		650,000
Site Improvements		\$7,722,232
G30 Site Mechanical Utilities		
G3010 Water Supply		576,375
G3020 Sanitary Water		316,127
G3030 Storm Sewer		2,316,119
G3090 Other Site Mechanical Utilities		38,500
Site Mechanical Utilities		\$3,247,121
G40 Site Electrical Utilities		
G4010 Electrical Distribution		195,000
G4020 Site Lighting		500,000
G4030 Site Communications & Security		950,000
Site Electrical Utilities		\$1,645,000
SITework		\$15,706,545

Preferred Schematic Report - Renovation and Addition - Reconciled

B1600 OPTION B2 - 1,600 STUDENTS

GFA: 68,000 SF Cost/SF: \$85.00

Rates Current At November 2020

\$5,780,000

Preferred Schematic Report - Renovation and Addition - Reconciled

B1600 OPTION B2 - 1,600 STUDENTS

GFA: 1,600 SF Cost/SF: \$367.39

Description		Cost/SF	Total Cost
F10	Special Construction		
F1030	Special Construction Systems	367.39/SF	587,830
	Special Construction	\$367.39/SF	\$587,830
	TICKET OFFICE/CONCESSION	\$367.39/SF	\$587,830

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Summary

Description	Cost/SF	Total Cost
MARGINS & ADJUSTMENTS		
Phasing / Temporary Works		\$6,855,551
Sub-contractor Bonds		\$1,919,554
General Requirements		\$3,427,775
General Conditions		\$9,597,772
Builder's Risk		\$635,648
GLPD		\$1,212,559
Bonds		\$964,560
Permits - by Owner		Excl.
CM Fee		\$4,043,111
Design / Estimating Contingency		\$24,865,134
GMP Contingency		\$5,718,981
ESTIMATED TOTAL COST BEFORE ESCALATION	\$434.16	\$196,351,671
Escalation Allowance up to mid-point of Construction		\$14,726,376
ESTIMATED TOTAL COST	\$466.73	\$211,078,047

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
364 Foundation wall strip footing - allow 3' x 12" deep	LF	1,746.50	90.00	157,185
473 Foudation wall strip footing - allow 3' x 12" deep	LF	18.70	90.00	1,683
366 Allowance for isolated footings, etc.	SF	49,360.00	3.50	172,760
367 Air and vapor barrier	SF	5,420.00	0.30	1,626
368 Rigid insulation, 2" thick	SF	5,420.00	3.00	16,260
369 Perimeter foundation walls - allow 16" thick	SF	5,239.30	65.00	340,554
474 Retaining walls - allow 16" thick	SF	181.00	655.00	118,555
370 Foundation excavation included with site preparation	LS	1.00		Incl.
371 Allowance for foundation backfill	SF	49,360.00	0.55	27,148
Standard Foundations			\$5.82/SF	\$835,771
A1020 Special Foundations				
426 Special foundations such piles, etc. - assumed not required	LS	1.00		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
355 Prepare and compact subbase	SF	49,360.00	0.75	37,020
356 Granular fill below slab on grade	CY	2,437.60	45.00	109,692
357 Air and vapor barrier	SF	49,360.00	0.25	12,340
358 Rigid insulation, 2" thick	SF	49,360.00	3.25	160,420
359 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	49,360.00	8.00	394,880
360 Allowance for radon system	SF	49,360.00	1.25	61,700
Slab on Grade			\$5.41/SF	\$776,052
Foundations			\$11.23/SF	\$1,611,823
B10 Superstructure				
B1010 Floor Construction				
348 Metal floor deck, 3" thick	SF	94,149.20	5.00	470,746
349 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	94,149.20	15.00	1,412,238
350 Allowance structural steel framing including beams, columns, bracing, etc.	T	659.0460	4,500.00	2,965,707
Floor Construction			\$33.79/SF	\$4,848,691
B1020 Roof Construction				
351 Metal roof deck, 3" thick	SF	43,564.20	5.00	217,821

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
353 Allowance structural steel framing including beams, columns, bracing, etc.	T	304.9510	4,500.00	1,372,280
354 Allowance for equipment dunnage	T	10.0000	6,500.00	65,000
Roof Construction			\$11.53/SF	\$1,655,101
Superstructure			\$45.32/SF	\$6,503,792
B20 Exterior Enclosure				
B2010 Exterior Walls				
323 High performance insulated precast concrete panel (36%)	SF	19,508.10	100.00	1,950,810
322 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc. (20%)	SF	10,837.80	95.00	1,029,591
325 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc. (4%)	SF	2,167.80	85.00	184,263
324 Large format exterior CMU veneer, including back-up, insulation, AVB, etc. (10%)	SF	5,419.10	80.00	433,528
321 Paint finish to interior face of exterior wall	SF	26,552.50	1.25	33,191
530 Allowance for equipment roof screen	SF	10,000.00	100.00	1,000,000
531 Allowance for miscellaneous exterior wall not listed above	SF	143,509.00	3.00	430,527
Exterior Walls			\$35.27/SF	\$5,061,910
B2020 Exterior Windows				
277 Curtain wall system (15%)	SF	8,128.30	125.00	1,016,037
320 Storefront / Window (15%)	SF	8,128.30	100.00	812,830
Exterior Windows			\$12.74/SF	\$1,828,867
B2030 Exterior Doors				
311 Allowance for exterior doors	SF	143,509.00	3.50	502,282
Exterior Doors			\$3.50/SF	\$502,282
Exterior Enclosure			\$51.52/SF	\$7,393,059
B30 Roofing				
B3010 Roof Coverings				
314 PVC Membrane roofing, complete	SF	43,564.20	25.00	1,089,105
318 Aluminum roof edge	LF	2,386.90	50.00	119,345
Roof Coverings			\$8.42/SF	\$1,208,450
Roofing			\$8.42/SF	\$1,208,450

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C10 Interior Construction				
C1010 Partitions				
274 Gypsum board partitions; Corridor wall/ Classroom demising wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	26,234.30	15.00	393,515
275 CMU Partition	SF	15,507.50	25.00	387,688
276 Gypsum board partition	SF	11,990.60	8.00	95,925
312 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	143,509.00	16.00	2,296,144
Partitions			\$22.11/SF	\$3,173,272
C1020 Interior Doors				
310 Allowance for interior doors	SF	143,509.00	6.50	932,809
Interior Doors			\$6.50/SF	\$932,809
C1030 Fittings				
309 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	143,509.00	8.75	1,255,704
Fittings			\$8.75/SF	\$1,255,704
Interior Construction			\$37.36/SF	\$5,361,785
C20 Stairs				
C2010 Stair Construction				
307 Allowance for interior stairs	SF	143,509.00	2.50	358,773
Stair Construction			\$2.50/SF	\$358,773
C2020 Stair Finishes				
278 Floor finish to Student Commons Stair, assumes precast terrazzo treads and risers	SF	602.30	45.00	27,104
279 Floor finish to Egress Stair, assumes rubber treads and risers	SF	2,513.50	20.00	50,270
308 Allowance for stair finishes	SF	143,509.00		Incl.
Stair Finishes			\$0.54/SF	\$77,374
Stairs			\$3.04/SF	\$436,147
C30 Interior Finishes				
C3010 Wall Finishes				
294 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	16,006.30	18.00	288,113
295 Wall finish to Lobby / Cafeteria, assumes 50% wood paneling to 4'-0" high	SF	1,056.00	65.00	68,640
296 Wall finish to Lobby / Cafeteria, assumes 50% large format porcelain to 4'-0" high	SF	1,056.00	25.00	26,400
297 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	5,221.40	18.00	93,985

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51
Rates Current At November 2020

Description	Unit	Qty	Rate	Total
298 Wall finish to Gymnasium, assumes 50% gym pad to 6'-0" high	SF	393.20	15.00	5,898
299 Wall finish to Gymnasium, assumes acoustical fiber panel to 4'-0" high	SF	524.10	50.00	26,205
300 Wall finish to Auditorium, assumes wood paneling to 13'-0" high	SF	3,145.00	65.00	204,425
301 Wall finish to Culinary Arts Kitchen, assumes 50% FRP to 10'-0" high	SF	2,090.90	25.00	52,273
302 Wall finish to Culinary Arts Restaurant, assumes 50% wood paneling to 10'-0" high	SF	724.40	50.00	36,220
303 Wall finish to Culinary Arts Restaurant, assumes 50% porcelain tile to 10'-0" high	SF	724.40	20.00	14,488
304 Epoxy paint finish to CMU partitions	SF	24,905.90	2.00	49,812
305 Paint finish to GWB partitions	SF	25,582.20	1.25	31,978
306 Allowance for miscellaneous wall finishes now listed above	SF	143,509.00	5.00	717,545
Wall Finishes			\$11.26/SF	\$1,615,982
C3020 Floor Finishes				
34 Carpet tile flooring	SY	2,864.29	50.00	143,214
35 Linoleum flooring	SF	40,914.37	6.50	265,943
36 Epoxy paint flooring	SF	5,000.48	14.00	70,007
45 Terrazzo flooring	SF	18,508.38	50.00	925,419
38 Seal concrete flooring	SF	4,389.99	3.00	13,170
39 Ceramic flooring	SF	3,310.82	18.00	59,595
40 Rubber base	LF	9,868.50	10.00	98,685
41 Ceramic base	LF	1,111.19	18.00	20,001
46 Terrazzo base	LF	3,369.77	50.00	168,488
482 Entrance mat	SF	1,160.74	55.00	63,841
Floor Finishes			\$12.74/SF	\$1,828,363
C3030 Ceiling Finishes				
281 Ceiling finish to Corridor / Lobby, assumes ACT	SF	37,707.30	5.00	188,536
282 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	2,870.90	16.00	45,934
283 Ceiling finish to Classroom / Science Lab/ Special Education, assumes ACT high NRC	SF	48,230.00	10.00	482,300
284 Ceiling finish to Administrative Area, assumes ACT high NRC	SF	9,589.70	10.00	95,897
285 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	4,614.80	17.00	78,452

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51
Rates Current At November 2020

Description	Unit	Qty	Rate	Total
286 Ceiling finish to Gymnasium, assumes paint finish to exposed structure with structural metal cellular acoustical deck	SF	458.40	2.50	1,146
287 Ceiling finish to Auditorium BOH / Dressing, assumes paint finish to exposed structure	SF	898.10	2.50	2,245
288 Ceiling finish to Cafeteria, assumes 50% premium ACT	SF	251.40	6.50	1,634
289 Ceiling finish to Cafeteria, assumes 50% specialty metal ceiling system (imitating wood grain)	SF	251.40	65.00	16,341
290 Ceiling finish to Medical, assumes ACT	SF	1,412.30	5.00	7,061
291 Ceiling finish to Vocational Shop (Main Level), assumes paint finish to exposed structure	SF	5,955.00	1.50	8,933
292 Ceiling finish to Kitchen / Culinary Arts Kitchen, assumes ACT washable	SF	5,842.30	6.00	35,054
293 Ceiling finish to Culinary Arts Restaurant, assumes vertical metal ceiling system with ACT suspended grid	SF	1,307.40	45.00	58,833
471 Allowance for miscellaneous ceiling finish not listed above	SF	143,509.00	1.00	143,509
Ceiling Finishes			\$8.12/SF	\$1,165,875
Interior Finishes			\$32.12/SF	\$4,610,220
D10 Conveying				
D1010 Elevators & Lifts				
313 Passenger elevator, three stop	EA	1.00	180,000.00	180,000
Elevators & Lifts			\$1.25/SF	\$180,000
Conveying			\$1.25/SF	\$180,000
D20 Plumbing				
D2010 Plumbing Fixtures				
372 Allowance for plumbing fixtures	SF	143,509.00	3.00	430,527
Plumbing Fixtures			\$3.00/SF	\$430,527
D2020 Domestic Water Distribution				
373 Allowance for domestic water distribution	SF	143,509.00	5.00	717,545
Domestic Water Distribution			\$5.00/SF	\$717,545
D2030 Sanitary Waste				
375 Allowance for sanitary waste system	SF	143,509.00	3.00	430,527
Sanitary Waste			\$3.00/SF	\$430,527
D2040 Rain Water Drainage				
376 Allowance for rain water system	SF	143,509.00	2.00	287,018
Rain Water Drainage			\$2.00/SF	\$287,018

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D2090 Other Plumbing Systems				
377 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	143,509.00	5.00	717,545
Other Plumbing Systems			\$5.00/SF	\$717,545
D4010 Sprinklers				
404 Allowance for sprinkler systems	SF	143,509.00	5.50	789,300
Sprinklers			\$5.50/SF	\$789,300
Plumbing			\$23.50/SF	\$3,372,462
D30 HVAC				
D3020 Heat Generating Systems				
378 Allowance for heat generating system	SF	143,509.00	1.40	200,913
Heat Generating Systems			\$1.40/SF	\$200,913
D3030 Cooling Generating Systems				
386 Allowance for cooling generating system	SF	143,509.00	8.20	1,176,774
Cooling Generating Systems			\$8.20/SF	\$1,176,774
D3040 Distribution Systems				
394 Allowance for distribution systems	SF	143,509.00	27.00	3,874,743
Distribution Systems			\$27.00/SF	\$3,874,743
D3050 Terminal & Package Units				
396 Allowance for terminal & package units	SF	143,509.00	9.25	1,327,458
Terminal & Package Units			\$9.25/SF	\$1,327,458
D3060 Controls & Instrumentations				
401 Allowance for controls system	SF	143,509.00	7.00	1,004,563
Controls & Instrumentations			\$7.00/SF	\$1,004,563
D3070 Systems Testing & Balancing				
402 Testing and balancing	SF	143,509.00	0.60	86,105
Systems Testing & Balancing			\$0.60/SF	\$86,105
D3090 Other HVAC Systems & Equipment				
403 Allowance for rigging, temporary heating, commissioning, co-ordination, as-builts, etc.	SF	143,509.00	4.50	645,791
Other HVAC Systems & Equipment			\$4.50/SF	\$645,791
HVAC			\$57.95/SF	\$8,316,347
D50 Electrical				
D5010 Electrical Service & Distribution				
405 Main switchboard, 2,000A/480/277V/3Ph-4W - additional capacity	EA	1.00	100,000.00	100,000
406 Allowance for panelboards, transformers, feeders, ATS, mechanical connections, etc.	SF	143,509.00	2.00	287,018

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
407 Emergency Power: Diesel fueled generator, 150kW, including sound attenuated enclosure - additional capacity	EA	1.00	75,000.00	75,000
Electrical Service & Distribution			\$3.22/SF	\$462,018
D5020 Lighting and Branch Wiring				
408 Allowance for light fixtures including wiring and controls	SF	143,509.00	15.00	2,152,635
409 Allowance for secondary branch power including receptacles, junction boxes, wiring, etc.	SF	143,509.00	7.50	1,076,318
Lighting and Branch Wiring			\$22.50/SF	\$3,228,953
D5030 Communications & Security				
410 Tel/Data cabling system (per 3Si)	Item			521,888
411 Audio visual cabling (per 3Si)	Item			31,200
412 IPTV and video on demand system (per 3Si)	Item			108,000
413 Large venue audio/visual system (per 3Si)	Item			136,500
414 Classroom speech reinforcement systems	Item			73,260
415 Instructional audio/visual systems	Item			195,000
416 Public address system	Item			65,460
417 Clock system	Item			37,890
418 Integrated electronic security system (per 3Si)	Item			389,160
420 Allowance for fire alarm systems	SF	143,509.00	2.50	358,773
419 Allowance for security rough-ins	SF	143,509.00	0.25	35,877
421 Allowance for communication system rough-ins	SF	143,509.00	0.25	35,877
Communications & Security			\$13.86/SF	\$1,988,885
D5090 Other Electrical Systems				
422 Allowance for lightning protection	SF	143,509.00	0.50	71,755
423 Allowance for testing, commissioning, temporary lighting, as-buits, etc.	SF	143,509.00	2.00	287,018
424 PV system - by Others	LS	1.00		Excl.
Other Electrical Systems			\$2.50/SF	\$358,773
Electrical			\$42.08/SF	\$6,038,629
E10 Equipment				
E1010 Commercial Equipment				
329 Food service equipment (per TDA)	Item			165,000
Commercial Equipment			\$1.15/SF	\$165,000
Equipment			\$1.15/SF	\$165,000

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600A Addition (continued)

GFA: 143,509 SF Cost/SF: \$317.51

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
E20 Furnishings				
E2010 Fixed Furnishings				
337 Fixed casework and equipment (per TDA)	Item			367,500
<i>Fixed Furnishings</i>			<i>\$2.56/SF</i>	<i>\$367,500</i>
<i>Furnishings</i>			<i>\$2.56/SF</i>	<i>\$367,500</i>
<i>ADDITION</i>			<i>\$317.51/SF</i>	<i>\$45,565,214</i>

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamt II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1030 Slab on Grade				
110 Fill-in existing pool with geofoam	CF	29,590.00	8.00	236,720
111 Topping slab to existing pool, 5" thick including reinforcement and forming	SF	2,690.00	15.00	40,350
Slab on Grade			\$1.16/SF	\$277,070
Foundations			\$1.16/SF	\$277,070
B10 Superstructure				
B1010 Floor Construction				
112 Allowance clipping existing interior masonry walls	SF	239,144.00	5.00	1,195,720
114 New framed concrete slab including reinforcement and forming, 12" thick	SF	1,423.30	45.00	64,049
115 Allowance for new structural beam due to demolition of existing bleachers - allow 75.9 PLF	T	4.2530	10,000.00	42,530
236 Allowance for miscellaneous repairs, in-filling, etc. to existing flooring system	LS	1.00	25,000.00	25,000
433 Light gauge floor framing, 12 SF (infill exisitng shaft)	LS	1.00	1,500.00	1,500
434 4" Thick composite concrete slab, 12 SF (infill existing shaft)	LS	1.00	500.00	500
437 New light gauge composite concrete slab to align with new elevation	SF	219.50	70.00	15,365
466 Light gauge floor framing (infill existing stair)	SF	35.50	50.00	1,775
479 4" Thick composite concrete slab	SF	400.00	20.00	8,000
480 Light gauge floor framing	SF	400.00	50.00	20,000
Floor Construction			\$5.75/SF	\$1,374,439
B1020 Roof Construction				
113 Allowance for structural roofing upgrade due to new mechanical equipment installation	LS	1.00	150,000.00	150,000
Roof Construction			\$0.63/SF	\$150,000
Superstructure			\$6.37/SF	\$1,524,439
B20 Exterior Enclosure				
B2010 Exterior Walls				
124 Re-pointing and repairs to existing exterior brick walls	SF	40,748.70	45.00	1,833,691
214 Re-pointing and repairs to existing exterior precast concrete walls	SF	5,239.30	35.00	183,376
206 Aluminum translucent walls	SF	9,752.00	95.00	926,440
Exterior Walls			\$12.31/SF	\$2,943,507
B2020 Exterior Windows				
125 Aluminum curtain wall system	SF	746.80	125.00	93,350

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
126 Aluminum storefront system	SF	6,727.00	100.00	672,700
209 Exterior window units, 1'-6" x 4'-6"	EA	6.00	950.00	5,700
210 Exterior window units, 2'-8" x 5'-8"	EA	1.00	1,850.00	1,850
212 Aluminum glazed transom	SF	78.00	95.00	7,410
213 Aluminum glazed sitelite	SF	51.30	95.01	4,874
Exterior Windows			\$3.29/SF	\$785,884
B2030 Exterior Doors				
101 2@3'-0" x 7'-6" Double leaf glazed door, including frame, finish, and hardware	Pair	1.00	10,500.00	10,500
104 2@3'-0" x 7'-0" Double leaf glazed door, including frame, finish, and hardware	Pair	12.00	9,500.00	114,000
103 2@2'-8" x 7'-2" Double leaf glazed door, including frame, finish, and hardware	Pair	2.00	8,700.00	17,400
102 2@3'-0" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	3.00	3,000.00	9,000
128 3'-0" x 7'-2" Single leaf hollow metal door, including frame, finish, and hardware	EA	17.00	1,300.00	22,100
122 3'-6" x 7'-2" Single leaf glazed door, including frame, finish, and hardware	EA	4.00	5,800.00	23,200
131 10'-0" x 14'-0" Overhead doors, including frame, finish, and hardware	EA	4.00	10,500.00	42,000
Exterior Doors			\$1.00/SF	\$238,200
C1020 Interior Doors				
448 12'-0" x 14'-0" Overhead doors, including frame, finish, and hardware	EA	1.00		Incl.
Interior Doors				Incl.
Exterior Enclosure			\$16.59/SF	\$3,967,591
B30 Roofing				
B3010 Roof Coverings				
93 PVC membrane roofing	SF	197,725.30	10.00	1,977,253
94 Protection board, 1/2" thick	SF	197,725.30	4.00	790,901
95 Tapered insulation, min. 5-1/2" thick	SF	197,725.30	7.00	1,384,077
105 Air vapor barrier to roofing system	SF	197,725.30	2.00	395,451
96 Stainless steel roof edge, 8" high	LF	5,186.30	75.00	388,973
97 Aluminum composite panels	SF	2,177.30	100.00	217,730
98 Allowance for walkway pad	SF	8,897.70	10.00	88,977
99 Allowance for roof blocking	SF	197,725.30	0.75	148,294

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
100 Allowance for miscellaneous trims and flashings	SF	197,725.30	1.00	197,725
Roof Coverings			\$23.37/SF	\$5,589,381
Roofing			\$23.37/SF	\$5,589,381
C10 Interior Construction				
C1010 Partitions				
63 Masonry partition; allow 4" CMU	SF	12,027.70	20.00	240,554
64 Gypsum board partition - 3 5/8" metal stud, 1 layer 5/8" GWB each side, mineral wool insulation	SF	36,002.30	12.00	432,027
65 Infill existing masonry partitions	SF	225.00	35.00	7,875
444 Infill CMU partition to match existing	SF	163.50	45.00	7,357
72 Interior aluminum sidelight (none indicated)	SF	303.30		Excl.
106 Interior aluminum transom (none indicated)	SF	202.30		Excl.
123 Interior storefront system (none indicated)	SF	92.30		Excl.
71 Allowance for miscellaneous caulking and sealing	SF	239,144.00	0.25	59,786
534 Allowance for miscellaneous partitions not indicated above	SF	239,144.00	10.00	2,391,440
Partitions			\$13.13/SF	\$3,139,039
C1020 Interior Doors				
134 2@3'-0" x 7'-0" Double leaf glazed door, including frame, finish, and hardware	Pair	6.00		Incl.
143 2@3'-0" x 7'-0" Double leaf wood door, including frame, finish, and hardware	Pair	54.00		Incl.
146 2@3'-0" x 7'-0" Double leaf wood door, including frame, finish, and hardware (Corridor fire rated doors)	Pair	8.00		Incl.
145 3'-0" x 7'-0" Single leaf wood door, including frame, finish, and hardware	EA	433.00		Incl.
451 3'-0" x 7'-0" Single leaf insulated metal door, including frame, finish, and hardware	EA	1.00		Incl.
154 Magnetic hold open	EA	8.00		Incl.
528 Allowance for interior doors	SF	239,144.00	8.50	2,032,724
Interior Doors			\$8.50/SF	\$2,032,724
C1030 Fittings				
73 Metal handrail to stairs	LF	328.50	250.00	82,125
74 Metal guardrail to stairs	LF	460.10	350.00	161,035
76 Restroom accessories; toilet partition	EA	15.00	1,200.00	18,000
77 Restroom accessories; toilet partition, ADA	EA	18.00	1,500.00	27,000
78 Allowance for new toilet accessories	SF	239,144.00	2.00	478,288
79 Allowance for new janitor accessories	LS	14.00	250.00	3,500
80 Allowance for new shower accessories	EA	239,144.00	0.10	23,914

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamt II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
84 Allowance for markerboard	LF	239,144.00	0.50	119,572
85 Allowance for tackboard	SF	239,144.00	0.05	11,957
86 Double tier cage lockers, 12" x 72" (Corridors)	EA	1,250.00	500.00	625,000
109 Double tier cage lockers, 12" x 72" (Locker rooms)	EA	317.00	500.00	158,500
75 Allowance for miscellaneous metals not yet designed	SF	239,144.00	1.50	358,716
87 Allowance for rough carpentry	SF	239,144.00	1.00	239,144
88 Allowance for wood blocking	SF	239,144.00	0.50	119,572
89 Allowance for fire extinguishers and cabinets	EA	20.30	500.00	10,150
90 Allowance for interior signage	SF	239,144.00	0.75	179,358
91 Allowance for exterior building signage, assumed not required	LS	1.00		Excl.
Fittings			\$10.94/SF	\$2,615,831
Interior Construction			\$32.56/SF	\$7,787,594
C20 Stairs				
C2010 Stair Construction				
120 Metal stairs with concrete filled pans and landing, approximately 8'-5" wide (Old Pool)	FT/R	4.00	2,500.00	10,000
121 Metal stairs with concrete filled pans and landing, approximately 8'-0" wide (Corridor)	FT/R	4.70	2,500.00	11,750
346 Metal stairs with concrete filled pans and landing, approximately 8'-5" wide (Corridor)	FT/R	5.00	2,500.00	12,500
Stair Construction			\$0.14/SF	\$34,250
C2020 Stair Finishes				
347 Floor finish to Corridor Stair, assumes terrazzo treads and risers	SF	85.50	44.99	3,847
Stair Finishes			\$0.02/SF	\$3,847
Stairs			\$0.16/SF	\$38,097
C30 Interior Finishes				
C3010 Wall Finishes				
66 Ceramic wall tile	SF	14,700.50	18.00	264,609
67 Paint finish to new interior gypsum partitions	SF	61,203.50	1.25	76,505
68 Paint finish to new interior masonry partitions	SF	21,223.80	2.00	42,448
69 Paint finish to existing partitions	SF	79,102.10	1.25	98,878
70 Allowance for repairs and patching to existing corridor walls	SF	47,851.00	2.00	95,702
529 Allowance for miscellaneous wall finishes now listed above	SF	239,144.00	10.00	2,391,440
Wall Finishes			\$12.42/SF	\$2,969,582

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C3020 Floor Finishes				
34 Carpet tile flooring	SY	783.61	50.00	39,181
35 Linoleum flooring	SF	79,770.93	6.50	518,511
36 Epoxy paint flooring	SF	22,450.22	14.00	314,303
37 Athletic performance wood flooring	SF	9,935.00	20.00	198,700
44 Resilient sports flooring (none indicated)	SF	6,689.50		Excl.
45 Terrazzo flooring	SF	1,167.52	50.00	58,376
38 Seal concrete flooring	SF	54,173.91	3.00	162,522
39 Ceramic flooring	SF	10,365.08	18.00	186,571
40 Rubber base	LF	15,992.00	10.00	159,920
41 Ceramic base	LF	1,696.21	18.00	30,532
46 Terrazzo base	LF	412.93	50.00	20,647
482 Entrance mat	SF	152.16	55.00	8,369
328 Sand and refinish existing wood flooring at cafeteria stage and storage room	SF	1,671.70	10.00	16,717
42 Prepare existing flooring to receive new floor finish	SF	186,737.20	2.25	420,159
43 Allowance for moisture mitigation system	SF	96,757.40	5.00	483,787
263 Wall base to Corridor, assumes resilient	LF	5,521.30	5.00	27,607
467 Wood floor finish system	SF	35.50	24.99	887
Floor Finishes			\$11.07/SF	\$2,646,789
C3030 Ceiling Finishes				
59 Acoustical ceiling panel, 24" x 24"	SF	201,470.30	5.00	1,007,352
60 Gypsum ceiling system to bathrooms	SF	10,365.10	15.00	155,477
61 Prepare and apply paint to gypsum board ceiling	SF	10,365.10	1.25	12,956
62 Allowance for soffit	SF	239,144.00	0.10	23,914
232 Ceiling finish to shop areas, not required	LS	1.00		Excl.
234 Ceiling finish to graphic design & visual communication shop, not required	LS	1.00		Excl.
Ceiling Finishes			\$5.02/SF	\$1,199,699
Interior Finishes			\$28.50/SF	\$6,816,070
D10 Conveying				
D1010 Elevators & Lifts				
92 Passenger elevator, two stop	EA	1.00	120,000.00	120,000
201 Passenger elevator, two stop, half flight	EA	2.00	180,000.00	360,000
446 Wheelchair lift for stage, one stop	EA	1.00	30,000.00	30,000
Elevators & Lifts			\$2.13/SF	\$510,000
Conveying			\$2.13/SF	\$510,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D20 Plumbing				
D2010 Plumbing Fixtures				
150 Allowance for plumbing fixtures	SF	239,144.00	3.50	837,004
Plumbing Fixtures			\$3.50/SF	\$837,004
D2020 Domestic Water Distribution				
151 Allowance for domestic water system	SF	239,144.00	8.00	1,913,152
Domestic Water Distribution			\$8.00/SF	\$1,913,152
D2030 Sanitary Waste				
152 Allowance for sanitary waste system	SF	239,144.00	4.00	956,576
Sanitary Waste			\$4.00/SF	\$956,576
D2040 Rain Water Drainage				
153 Allowance for modification to existing rain water drainage	SF	239,144.00	0.50	119,572
Rain Water Drainage			\$0.50/SF	\$119,572
D2090 Other Plumbing Systems				
155 Allowance for miscellaneous gas system, assumes minor modifications and repairs	SF	239,144.00	0.50	119,572
158 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	LS	1.00		Incl.
377 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	239,144.00	5.00	1,195,720
Other Plumbing Systems			\$5.50/SF	\$1,315,292
Plumbing			\$21.50/SF	\$5,141,596
D30 HVAC				
D3020 Heat Generating Systems				
215 Gas fired condensing hot water boiler, 6,000 mbh	EA	2.00	115,000.00	230,000
216 Circulation pump	EA	2.00	1,600.00	3,200
221 Variable flow distribution pump, 500 gmp, 25 HP	EA	3.00	2,500.00	7,500
159 Allowance for existing hot water heating header c/w addition insulated distribution , hook-ups etc.	SF	239,144.00	6.00	1,434,864
Heat Generating Systems			\$7.01/SF	\$1,675,564
D3030 Cooling Generating Systems				
217 Centrifugal chiller, 225 ton	EA	1.00	250,000.00	250,000
218 Cooling tower, allow 255 ton	EA	1.00	100,000.00	100,000
219 Variable flow distribution pump, 225 gmp, 15 HP	EA	2.00	2,000.00	4,000
220 Condenser water pump, 280 gmp, 7.5 HP	EA	2.00	2,500.00	5,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
160 Allowance for existing cooling generating systems c/w addition insulated distribution , hook-ups etc.	SF	239,144.00	5.00	1,195,720
Cooling Generating Systems			\$6.50/SF	\$1,554,720
D3040 Distribution Systems				
161 Modify and replace existing HVAC distribution, diffusers, grills etc.	SF	239,144.00	20.00	4,782,880
Distribution Systems			\$20.00/SF	\$4,782,880
D3050 Terminal & Package Units				
222 Energy recovery ventilator, 1,500 cfm	EA	1.00	24,000.00	24,000
223 Energy recovery ventilator, ceiling concealed, 500 cfm	EA	1.00	8,000.00	8,000
237 Make-up air unit, 4,000 cfm	EA	1.00	30,000.00	30,000
238 Dust collector, 6,000 cfm	LS	1.00	12,000.00	12,000
162 Allowance for terminal & package units	SF	239,144.00	12.00	2,869,728
Terminal & Package Units			\$12.31/SF	\$2,943,728
D3060 Controls & Instrumentations				
163 DDC controls system c/w front end station, graphics, wiring, testing etc.	SF	239,144.00	10.00	2,391,440
Controls & Instrumentations			\$10.00/SF	\$2,391,440
D3070 Systems Testing & Balancing				
164 Air & water balancing c/w report	SF	239,144.00	1.00	239,144
Systems Testing & Balancing			\$1.00/SF	\$239,144
D3090 Other HVAC Systems & Equipment				
203 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	SF	239,144.00	4.50	1,076,148
Other HVAC Systems & Equipment			\$4.50/SF	\$1,076,148
HVAC			\$61.32/SF	\$14,663,624
D40 Fire Protection				
D4010 Sprinklers				
148 Wet / Dry sprinkler system c/w zoning, distribution, heads, flow switch, tamper switch, fittings, accessories, etc.	SF	239,144.00	7.00	1,674,008
Sprinklers			\$7.00/SF	\$1,674,008
D4090 Other Fire Protection Systems				
165 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	LS	1.00	75,000.00	75,000
Other Fire Protection Systems			\$0.31/SF	\$75,000
Fire Protection			\$7.31/SF	\$1,749,008

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D50 Electrical				
D5010 Electrical Service & Distribution				
228 Main switchboard, 4,000A	EA	1.00	225,000.00	225,000
229 Utility transformer	EA	1.00	15,000.00	15,000
239 Transformers to classrooms and shops, 120/208V	EA	67.00	1,500.00	100,500
240 Electrical panels to classrooms and shops, 277/208V	EA	67.00	2,500.00	167,500
241 Emergency generator, gas fired, 450KW, 277/480V	EA	1.00	350,000.00	350,000
242 Panelboard, ATS, 300A	EA	1.00	4,800.00	4,800
243 Panelboard, ATS, 400A	EA	1.00	5,500.00	5,500
166 Allowance for minor upgrade to existing electrical service and distribution	SF	239,144.00	1.50	358,716
Electrical Service & Distribution			\$5.13/SF	\$1,227,016
D5020 Lighting and Branch Wiring				
167 Allowance for lighting and branch wiring	SF	239,144.00	18.00	4,304,592
246 Exterior building lighting at entrances	EA	25.00		Incl.
Lighting and Branch Wiring			\$18.00/SF	\$4,304,592
D5030 Communications & Security				
410 Tel/Data cabling system (per 3Si)	Item			1,217,738
411 Audio visual cabling (per 3Si)	Item			72,800
412 IPTV and video on demand system (per 3Si)	Item			252,000
413 Large venue audio/visual system (per 3Si)	Item			318,500
414 Classroom speech reinforcement systems	Item			170,940
415 Instructional audio/visual systems	Item			455,000
416 Public address system	Item			152,740
417 Clock system	Item			88,410
418 Integrated electronic security system (per 3Si)	Item			908,040
183 Addressable fire alarm system c/w equipment, devices, testing, verification and integration to existing system	SF	239,144.00	3.00	717,432
168 Data and Voice outlets, horizontal cabling, conduit, cable trays, J hooks, backboards, racks, patch panels, backbone cabling and all necessary wire management and distribution accessories - rough-ins	SF	239,144.00	1.00	239,144
184 Security systems; extend existing Intrusion alarm, door access and CCTV systems - rough-ins	SF	239,144.00	1.00	239,144
192 Data and CATV cabling c/w raceways to support Audio visual systems - rough-ins	SF	239,144.00	1.00	239,144
Communications & Security			\$21.20/SF	\$5,071,032
D5090 Other Electrical Systems				
170 Coordination-Record Drawings/BIM	SF	239,144.00		Incl.

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
171 Marking, identification, cutting, patching, coring, sleeves, fire stops, seals, etc.	SF	239,144.00	2.00	478,288
204 Lightning control allowance	SF	239,144.00	0.75	179,358
Other Electrical Systems			\$2.75/SF	\$657,646
Electrical			\$47.09/SF	\$11,260,286
E10 Equipment				
E1010 Commercial Equipment				
329 Food service equipment (per TDA)	Item			660,000
Commercial Equipment			\$2.76/SF	\$660,000
E1090 Other Equipment				
330 Basketball backstops	LS	1.00	27,000.00	27,000
331 Stage Curtains and Rigging - Powered rigging (per TDA)	LS	1.00	650,000.00	650,000
332 Divider curtains (per TDA)	LS	1.00	32,000.00	32,000
333 Gym wall padding (per TDA)	LS	1.00	25,000.00	25,000
334 Automotive Refinishing - Booths/Frame machine (per TDA)	LS	1.00	325,000.00	325,000
335 Automotive Tech - Lifts (per TDA)	LS	1.00	160,000.00	160,000
336 HVAC/plumbing - Boiler/Furnace/Split Systems (per TDA)	LS	1.00	65,000.00	65,000
Other Equipment			\$5.37/SF	\$1,284,000
Equipment			\$8.13/SF	\$1,944,000
E20 Furnishings				
E2010 Fixed Furnishings				
108 Casework; Wood bench	LF	120.30	150.00	18,045
116 Casework; Solid wood frame to control panels, 1'-0" x 10'-0"	EA	67.00	250.00	16,750
193 Allowance for casework not identified	SF	239,144.00	2.50	597,860
337 Fixed casework and equipment (per TDA)	Item			857,500
338 Telescoping bleachers (per TDA)	LS	1.00	215,000.00	215,000
339 Cosmetology - Wet Stations/Manicure/Styling	LS	1.00	110,000.00	110,000
Fixed Furnishings			\$7.59/SF	\$1,815,155
E2020 Movable Furnishings				
172 FF&E - Assumed by owner	LS	1.00		Excl.
Movable Furnishings				Excl.
Furnishings			\$7.59/SF	\$1,815,155

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F20 Selective Building Demolition				
F2010 Building Elements Demolition				
1 Take down and remove existing asphaltic roofing (included in HazMat)	SF	24,734.70		Incl.
2 Take down and remove existing rubber roofing	SF	172,990.70	2.00	345,981
3 Take down and remove existing stainless steel roof edges	LF	5,186.30	10.00	51,863
4 Take down and remove existing metal fascia	SF	2,177.30	5.00	10,887
49 Remove and dispose of existing canopy including stone columns	SF	1,356.30	25.00	33,908
5 Take down and remove existing curtain wall system	SF	1,688.00	15.00	25,320
8 Take down and remove existing exterior storefront including operable windows	SF	6,454.70	15.00	96,820
205 Take down and remove existing exterior aluminum translucent walls including operable windows	SF	9,752.00	15.00	146,280
207 Take down and remove existing aluminum glazed transom	SF	78.00	15.00	1,170
208 Take down and remove existing aluminum glazed sitelite	SF	51.30	15.01	770
6 Take down and remove existing exterior window units, 1'-6" x 4'-6"	EA	6.00	150.00	900
51 Take down and remove existing exterior window units, 2'-8" x 5'-8"	EA	1.00	150.00	150
7 Cut, take down and remove existing exterior brick walls to enlarge openings (none indicated)	SF	89.30		Excl.
52 Cut, take down and remove existing exterior brick walls to create openings	SF	432.60	10.00	4,326
9 Remove and dispose of existing stairs, 4'-8" wide	FT/R	3.70	150.00	555
470 Remove and dispose of existing stairs, 4'-0" wide	FT/R	3.50	150.00	525
47 Remove and dispose of existing stairs, 3'-10" wide	FT/R	7.00	150.00	1,050
118 Remove and dispose of existing stairs, 4'-2" wide	FT/R	25.30	150.00	3,795
342 Remove and dispose of existing stairs, 6'-9" wide	FT/R	21.70	250.00	5,425
117 Remove and dispose of existing stairs, 7'-10" wide (none indicated)	FT/R	6.00		Excl.
10 Remove and dispose of existing ramp	SF	103.70	15.00	1,555
11 Remove and dispose of existing guardrails	LF	500.20	10.00	5,002
12 Remove and dispose of existing handrails	LF	347.80	10.00	3,478
13 Remove and dispose of existing double leaf doors	EA	86.00	100.00	8,600
14 Remove and dispose of existing single leaf doors	EA	454.00	75.00	34,050
132 Remove and dispose of existing overhead doors, 10'-0" x 14'-0"	EA	4.00	500.00	2,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
16 Lift and remove existing floor finishes including base	SF	164,081.40	1.00	164,081
18 Lift and remove existing ceramic floor finishes including base	SF	14,797.30	2.00	29,595
19 Take down and remove existing ceiling finishes	SF	211,835.30	1.25	264,794
21 Take down and remove existing ceramic wall finishes	SF	22,951.30	2.00	45,903
22 Take down and remove existing interior CMU walls	SF	24,960.00	8.00	199,680
23 Cut and create opening into CMU walls for new doors	EA	4.00	1,000.00	4,000
20 Enlarge opening into interior CMU walls	SF	655.70	10.00	6,557
48 Remove and dispose of folding partition, assumes 10'-0" high	SF	1,079.30	10.00	10,793
24 Take down existing toilet partitions	EA	47.00	150.00	7,050
25 Remove and dispose of existing restroom accessories	SF	4,894.30	7.00	34,260
54 Remove and dispose of existing shower accessories - allow	SF	834.90	3.00	2,504
55 Remove and dispose of existing janitor closet accessories	LS	14.00	350.00	4,900
27 Remove and dispose of bleachers	SF	750.30	20.00	15,006
28 Remove and dispose of metal lockers	EA	1,586.00	20.00	31,720
29 Remove and dispose of masonry / tile benches	LF	70.30	20.00	1,406
32 Allowance for existing interior millwork demolition not identified	SF	239,144.00	0.15	35,872
53 Allowance for interior demolition not identified below	SF	239,144.00	0.25	59,786
33 Remove and dispose of existing FF&E (assume by Owner)	LS	1.00		Excl.
147 MEP selective demolition, decommission, removal and disposal	SF	239,144.00	6.00	1,434,864
361 Remove and dispose of existing interior partitions	SF	61,437.00	5.00	307,185
430 Infill floor at toilet plumbing removal to match existing bathroom floor	SF	41.00	75.00	3,075
431 Remove and dispose of existing plumbing fixtures at Toilet Room (room area measured)	SF	1,536.00	5.00	7,680
432 Remove and dispose of existing MEP equipment and services	SF	139,334.00	0.50	69,667
439 Remove and dispose of existing trench cover plates	LF	45.50	4.99	227
440 Infill existing trench	LF	107.50	75.00	8,062
442 Remove and dispose of existing casework (Sci Lab)	LF	39.00	10.00	390
443 Remove and dispose of existing storefront	SF	1,295.00	30.00	38,850
468 Remove and dispose of existing handrail	LF	13.00	15.00	195
469 Remove and dispose of existing trench grate	LF	62.50	10.00	625
475 Remove and dispose of existing exterior masonry wall	SF	1,430.50	8.00	11,444

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
476 Temporarily support existing roof at exterior wall removal, allow for new construction installation	LS	1.00	15,000.00	15,000
477 Remove and dispose of existing interior steps	SF	8.00		Incl.
Building Elements Demolition			\$15.05/SF	\$3,599,581
F2020 Hazardous Components Abatement				
58 Allowance for hazardous materials abatement (per CDWCI report dated April 14, 2020)	LS	1.00	1,919,675.00	1,919,675
Hazardous Components Abatement			\$8.03/SF	\$1,919,675
Selective Building Demolition			\$23.08/SF	\$5,519,256
G10 Site Preparation				
G1020 Site Demolition and Relocations				
135 Demolish concrete ramps	SF	340.00	3.00	1,020
177 Remove and dispose of existing basketball hoops	EA	4.00	300.00	1,200
190 Remove and dispose existing day care playground equipment and surfacing	LS	1.00	1,500.00	1,500
Site Demolition and Relocations			\$0.02/SF	\$3,720
G1030 Site Earthwork				
195 Excavate for walkway including spoil removal, allow rock excavation	CY	12.59	80.00	1,007
Site Earthwork			\$0.01/SF	\$1,007
Site Preparation			\$0.02/SF	\$4,727
G20 Site Improvements				
G2030 Pedestrian Paving				
136 New concrete ramps	SF	340.00	15.00	5,100
197 Prepare and compact subbase	SF	339.82	0.50	170
198 Granular bedding, allow 12" thick	CY	12.59	40.00	504
Pedestrian Paving			\$0.02/SF	\$5,774
G2040 Site Development				
191 New day care playground and surfacing	LS	1.00	200,000.00	200,000
202 Allowance for athletic field restoration due to new water line services	LS	1.00	15,000.00	15,000
Site Development			\$0.90/SF	\$215,000
G2045 Athletic, Recreational, and Playfield Areas				
178 Re-surface existing basketball courts	SF	12,981.00	10.00	129,810
179 New basketball court fencing	LF	456.70	100.00	45,670
181 New athletic fields dugouts	EA	4.00	50,000.00	200,000
182 New aluminum spectator bleachers/seating - allow 100 seats capacity	LS	3.00	45,000.00	135,000

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamt II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$290.50

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
185 Baseball field chain-link fence	LF	1,232.70	70.00	86,289
194 New basketball hoops	EA	4.00	4,000.00	16,000
492 Football scoreboard	EA	1.00	30,000.00	30,000
<i>Athletic, Recreational, and Playfield Areas</i>			<i>\$2.69/SF</i>	<i>\$642,769</i>
<i>Site Improvements</i>			<i>\$3.61/SF</i>	<i>\$863,543</i>
<i>RENOVATION</i>			<i>\$290.50/SF</i>	<i>\$69,471,437</i>

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600S Sitework

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G10 Site Preparation				
G1010 Site Clearing				
460 Allowance for site clearing	Acre	3.430	1,500.00	5,145
461 Construction fence	LF	2,000.70	15.00	30,010
462 Construction entrance	EA	2.00	7,500.00	15,000
463 Mobilization	LS	1.00	65,000.00	65,000
464 Submittals, as-builts, layouts, etc.	LS	1.00	40,000.00	40,000
465 Erosion controls including maintenance	SF	732,741.00	0.15	109,911
Site Clearing				\$265,066
G1020 Site Demolition and Relocations				
129 Break-out and remove portion of existing parking lot	SF	96,451.30	2.00	192,903
130 Grind/mill existing top course	SF	129,583.90	0.75	97,188
137 Break-out and remove walkways	SF	12,495.00	2.00	24,990
344 Break-out portion of existing roadway affected by new construction	SF	17,835.00	2.00	35,670
438 Demolish existing support structures	SF	4,098.70	6.00	24,592
452 Excavate for new access pavement including spoil removal, allow rock excavation	CY	2,059.30	80.00	164,744
498 Break-out existing athletic pavement (tracks, long-jump, etc.)	SF	41,394.00	0.75	31,046
499 Remove existing bleachers	SF	7,506.30	3.00	22,519
500 Remove existing fence	LF	2,921.70	10.00	29,217
501 Remove existing metal guardrail	LF	187.30	15.00	2,810
508 Sawcut and break-out existing roadway due to utility construction	SF	8,002.00	15.75	126,032
510 Sawcut and break-out existing access road and parking due to utility construction	SF	6,621.70	15.75	104,292
Site Demolition and Relocations				\$856,003
G1030 Site Earthwork				
195 Excavate for walkway including spoil removal, allow rock excavation	CY	760.41	80.00	60,833
447 Excavate for new parking pavement including spoil removal, allow rock excavation	CY	1,118.60	80.00	89,488
459 Allowance for building platform, allow rock excavation	CY	30,346.70	60.00	1,820,802
Site Earthwork				\$1,971,123
Site Preparation				\$3,092,192
G20 Site Improvements				
G2010 Roadways				
453 Prepare and compact subbase for new pavement	SF	56,323.70	0.35	19,713

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
454 Granular bedding for pavement, allow 12" thick	CY	2,086.30	40.00	83,452
455 Binder and top course to new access pavement, allow 4" overall thickness	SY	4,633.70	40.00	185,348
509 Re-paved existing roadway due to utilities construction	SY	1,625.00	50.00	81,250
456 Allowance for new granite curbs	LF	2,559.70	55.00	140,783
457 Allowance for pavement markings	SF	49,702.30	0.25	12,426
532 Intersection improvement including traffic signals	LS	1.00	1,500,000.00	1,500,000
Roadways				\$2,022,972
G2020 Parking Lots				
445 Prepare and compact subbase for new pavement	SF	42,649.70	0.35	14,927
449 Granular bedding for pavement, allow 12" thick	CY	1,580.00	40.00	63,200
140 New base and finish course to existing parking lot and access way	SY	14,398.50	40.00	575,940
450 Binder and top course to new parking pavement, allow 4" overall thickness	SY	2,516.90	40.00	100,676
141 Allowance for new granite curbs	LF	3,037.00	55.00	167,035
478 Allowance for temporary parking	SY	2,222.30	40.00	88,892
142 Allowance for pavement markings	SF	172,233.20	0.25	43,058
Parking Lots				\$1,053,728
G2030 Pedestrian Paving				
133 Concrete walkways, allow 5" thick	SF	14,490.30	8.00	115,922
197 Prepare and compact subbase	SF	14,490.18	0.50	7,245
198 Granular bedding, allow 12" thick	CY	536.71	40.00	21,468
Pedestrian Paving				\$144,635
G2045 Athletic, Recreational, and Playfield Areas				
483 Prepare and compact subbase	SF	260,948.70	0.35	91,332
484 Granular bedding to athletic fields, allow 12" thick	CY	4,990.30	40.00	199,612
485 Running track surface	SF	35,678.00	15.00	535,170
486 Synthetic turf	SF	76,129.30	10.00	761,293
487 Seeding to baseball & softball fields including bedding, allow 8" thick	SF	126,212.70	1.75	220,872
488 Baseball & Softball athletic fields	SF	22,929.30	2.00	45,859
489 Long jump	SF	1,047.70	10.00	10,477
490 Seeding to football / soccer fields including bedding, allow 8" thick	SF	39,140.70	1.75	68,496
493 Baseball & Softball backstops	LF	340.00	250.00	85,000
494 Baseball & Softball perimeter fencing	LF	1,802.00	40.00	72,080

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
495 Bleacher structure spectator seating including pressbox, 954 seating capacity	LS	1.00	1,400,000.00	1,400,000
497 Irrigation to athletic fields	SF	165,353.00	2.00	330,706
502 Football goal	EA	2.00	15,000.00	30,000
Athletic, Recreational, and Playfield Areas				\$3,850,897
G2050 Landscaping				
180 Lawn to existing athletic fields (refer to G2045)	SF	179,650.30		Incl.
200 Allowance for new plantings (trees, shrubs, etc.)	LS	1.00	650,000.00	650,000
Landscaping				\$650,000
Site Improvements				\$7,722,232
G30 Site Mechanical Utilities				
G3010 Water Supply				
503 Connect to existing mains	LS	1.00	10,000.00	10,000
504 Hydrant	EA	3.00	4,500.00	13,500
505 CLDI pipe, 8"	LF	841.00	100.00	84,100
507 Water mains, DI pipe, 16"	LF	1,990.00	200.00	398,000
189 Excavation and backfil	LF	2,831.00	25.00	70,775
Water Supply				\$576,375
G3020 Sanitary Water				
506 Clean and re-align existing sewer pipe	LF	2,340.00	50.00	117,000
511 Precast concrete grease trap, 10,000 gal.	EA	1.00	25,000.00	25,000
512 Manholes	EA	3.00	3,500.00	10,500
513 PVC pipe, 6"	LF	450.00	60.00	27,000
514 PVC Pipe, force main, 4"	LF	271.70	50.00	13,585
515 Pump station	EA	1.00	100,000.00	100,000
516 Oil and water separator	EA	1.00	5,000.00	5,000
517 Excavation and backfil	LF	721.70	25.00	18,042
Sanitary Water				\$316,127
G3030 Storm Sewer				
518 Catchbasins	EA	16.00	3,000.00	48,000
519 Area drain	EA	8.00	500.00	4,000
520 Manholes	EA	12.00	5,000.00	60,000
521 Water quality structure	EA	5.00	35,000.00	175,000
522 HDPE pipe, 12"	LF	1,508.30	55.00	82,957
523 HDPE pipe, 24"	LF	783.70	100.00	78,370
524 Subsurface infiltration system	SF	45,000.00	40.00	1,800,000
525 Connect to existing	EA	3.00	3,500.00	10,500

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamt II - Level 2/Elements Item

B1600 OPTION B2 - 1,600 STUDENTS

B1600S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
526 Excavation and backfil	LF	2,291.70	25.00	57,292
Storm Sewer				\$2,316,119
G3090 Other Site Mechanical Utilities				
173 Gas: Connect to existing main - by Utility Co.	LS	1.00		Excl.
174 Gas: Gas piping - by Utility Co.	LF	1,100.00		Excl.
175 Gas: Trenching and backfill	LF	1,100.00	35.00	38,500
Other Site Mechanical Utilities				\$38,500
Site Mechanical Utilities				\$3,247,121
G40 Site Electrical Utilities				
G4010 Electrical Distribution				
247 Allowance for site electrical distribution	LS	1.00	195,000.00	195,000
Electrical Distribution				\$195,000
G4020 Site Lighting				
244 Pole lights including wiring and connections, 25' high - allow	LS	1.00	400,000.00	400,000
245 Pedestrian area lights including wiring and connections, 12' high - allow	LS	1.00	100,000.00	100,000
Site Lighting				\$500,000
G4030 Site Communications & Security				
533 Allowance for site communications & security	LS	1.00	950,000.00	950,000
Site Communications & Security				\$950,000
Site Electrical Utilities				\$1,645,000
SITEWORK				\$15,706,545

Preferred Schematic Report - Renovation and Addition - Reconciled

B1600 OPTION B2 - 1,600 STUDENTS

GFA: 68,000 SF Cost/SF: \$85.00

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F10 Special Construction				
F1030 Special Construction Systems				
341 Allowance for above grade parking structure	SF	68,000.00	85.00	5,780,000
Special Construction Systems			\$85.00/SF	\$5,780,000
Special Construction			\$85.00/SF	\$5,780,000
PARKING			\$85.00/SF	\$5,780,000

Preferred Schematic Report - Renovation and Addition - Reconciled

B1600 OPTION B2 - 1,600 STUDENTS

GFA: 1,600 SF Cost/SF: \$367.39

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F10 Special Construction				
F1030 Special Construction Systems				
527 Allowance for Ticket office/Concession	LS	1.00	587,830.00	587,830
Special Construction Systems			\$367.39/SF	\$587,830
Special Construction			\$367.39/SF	\$587,830
TICKET OFFICE/CONCESSION			\$367.39/SF	\$587,830

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
B1722 OPTION B2 - 1,722 STUDENTS			
B1722A Addition	164,410	330.61	54,355,117
B1722R Renovation	239,144	286.63	68,546,235
B1722S Sitework			15,754,825
B1722P Parking	68,000	85.00	5,780,000
B1722C Ticket Office/Concession	1,600	367.39	587,830
B1722 - OPTION B2 - 1,722 STUDENTS	473,154	\$306.50	\$145,024,007
ESTIMATED NET COST	473,154	\$306.50	\$145,024,007
MARGINS & ADJUSTMENTS			
Phasing / Temporary Works	5.0 %		\$7,251,200
Sub-contractor Bonds	1.3 %		\$2,030,336
General Requirements	2.3 %		\$3,625,601
General Conditions	6.4 %		\$10,151,680
Builder's Risk	0.4 %		\$672,331
GLPD	0.8 %		\$1,282,540
Bonds	0.6 %		\$1,020,226
Permits - by Owner			Excl.
CM Fee	2.5 %		\$4,276,448
Design / Estimating Contingency	15.0 %		\$26,300,155
GMP Contingency	3.0 %		\$6,049,036
ESTIMATED TOTAL COST BEFORE ESCALATION	473,154	\$438.93	\$207,683,560
Escalation Allowance up to mid-point of Construction	7.5 %		\$15,576,267
ESTIMATED TOTAL COST	473,154	\$471.85	\$223,259,827

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	5.69/SF	935,095
A1020 Special Foundations		Excl.
A1030 Slab on Grade	5.52/SF	907,034
Foundations	\$11.20/SF	\$1,842,129
B10 Superstructure		
B1010 Floor Construction	33.43/SF	5,496,042
B1020 Roof Construction	12.95/SF	2,129,862
Superstructure	\$46.38/SF	\$7,625,904
B20 Exterior Enclosure		
B2010 Exterior Walls	36.90/SF	6,065,909
B2020 Exterior Windows	14.01/SF	2,302,920
B2030 Exterior Doors	3.50/SF	575,435
Exterior Enclosure	\$54.40/SF	\$8,944,264
B30 Roofing		
B3010 Roof Coverings	11.03/SF	1,813,293
Roofing	\$11.03/SF	\$1,813,293
C10 Interior Construction		
C1010 Partitions	24.16/SF	3,971,870
C1020 Interior Doors	6.50/SF	1,068,665
C1030 Fittings	9.16/SF	1,505,587
Interior Construction	\$39.82/SF	\$6,546,122
C20 Stairs		
C2010 Stair Construction	2.50/SF	411,025
C2020 Stair Finishes	0.70/SF	114,372
Stairs	\$3.20/SF	\$525,397
C30 Interior Finishes		
C3010 Wall Finishes	11.64/SF	1,912,915
C3020 Floor Finishes	13.34/SF	2,193,623
C3030 Ceiling Finishes	8.39/SF	1,380,167
Interior Finishes	\$33.37/SF	\$5,486,705
D10 Conveying		
D1010 Elevators & Lifts	1.46/SF	240,000
Conveying	\$1.46/SF	\$240,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Cost/SF	Total Cost
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	493,230
D2020 Domestic Water Distribution	5.00/SF	822,050
D2030 Sanitary Waste	3.00/SF	493,230
D2040 Rain Water Drainage	2.00/SF	328,820
D2090 Other Plumbing Systems	5.00/SF	822,050
D4010 Sprinklers	5.50/SF	904,255
Plumbing	\$23.50/SF	\$3,863,635
D30 HVAC		
D3020 Heat Generating Systems	1.40/SF	230,174
D3030 Cooling Generating Systems	8.20/SF	1,348,162
D3040 Distribution Systems	27.00/SF	4,439,070
D3050 Terminal & Package Units	9.25/SF	1,520,792
D3060 Controls & Instrumentations	7.00/SF	1,150,870
D3070 Systems Testing & Balancing	0.60/SF	98,646
D3090 Other HVAC Systems & Equipment	4.50/SF	739,845
HVAC	\$57.95/SF	\$9,527,559
D50 Electrical		
D5010 Electrical Service & Distribution	3.06/SF	503,820
D5020 Lighting and Branch Wiring	22.50/SF	3,699,225
D5030 Communications & Security	16.25/SF	2,671,039
D5090 Other Electrical Systems	2.50/SF	411,025
Electrical	\$44.31/SF	\$7,285,109
E10 Equipment		
E1010 Commercial Equipment	1.00/SF	165,000
Equipment	\$1.00/SF	\$165,000
E20 Furnishings		
E2010 Fixed Furnishings	2.98/SF	490,000
Furnishings	\$2.98/SF	\$490,000
ADDITION	\$330.61/SF	\$54,355,117

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1030 Slab on Grade	1.16/SF	277,070
Foundations	\$1.16/SF	\$277,070
B10 Superstructure		
B1010 Floor Construction	5.75/SF	1,374,453
B1020 Roof Construction	0.63/SF	150,000
Superstructure	\$6.37/SF	\$1,524,453
B20 Exterior Enclosure		
B2010 Exterior Walls	12.31/SF	2,943,511
B2020 Exterior Windows	3.29/SF	785,893
B2030 Exterior Doors	1.00/SF	238,200
C1020 Interior Doors		Incl.
Exterior Enclosure	\$16.59/SF	\$3,967,604
B30 Roofing		
B3010 Roof Coverings	23.37/SF	5,589,401
Roofing	\$23.37/SF	\$5,589,401
C10 Interior Construction		
C1010 Partitions	12.63/SF	3,021,068
C1020 Interior Doors	8.50/SF	2,032,724
C1030 Fittings	10.94/SF	2,615,941
Interior Construction	\$32.07/SF	\$7,669,733
C20 Stairs		
C2010 Stair Construction	0.14/SF	34,250
C2020 Stair Finishes	0.02/SF	3,848
Stairs	\$0.16/SF	\$38,098
C30 Interior Finishes		
C3010 Wall Finishes	11.79/SF	2,819,816
C3020 Floor Finishes	10.85/SF	2,593,961
C3030 Ceiling Finishes	4.63/SF	1,106,690
Interior Finishes	\$27.27/SF	\$6,520,467
D10 Conveying		
D1010 Elevators & Lifts	2.13/SF	510,000
Conveying	\$2.13/SF	\$510,000
D20 Plumbing		
D2010 Plumbing Fixtures	3.50/SF	837,004

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Cost/SF	Total Cost
D2020 Domestic Water Distribution	8.00/SF	1,913,152
D2030 Sanitary Waste	4.00/SF	956,576
D2040 Rain Water Drainage	0.50/SF	119,572
D2090 Other Plumbing Systems	5.50/SF	1,315,292
Plumbing	\$21.50/SF	\$5,141,596
D30 HVAC		
D3020 Heat Generating Systems	7.01/SF	1,675,564
D3030 Cooling Generating Systems	6.50/SF	1,554,720
D3040 Distribution Systems	20.00/SF	4,782,880
D3050 Terminal & Package Units	12.31/SF	2,943,728
D3060 Controls & Instrumentations	10.00/SF	2,391,440
D3070 Systems Testing & Balancing	1.00/SF	239,144
D3090 Other HVAC Systems & Equipment	4.50/SF	1,076,148
HVAC	\$61.32/SF	\$14,663,624
D40 Fire Protection		
D4010 Sprinklers	7.00/SF	1,674,008
D4090 Other Fire Protection Systems	0.31/SF	75,000
Fire Protection	\$7.31/SF	\$1,749,008
D50 Electrical		
D5010 Electrical Service & Distribution	5.13/SF	1,227,016
D5020 Lighting and Branch Wiring	18.00/SF	4,304,592
D5030 Communications & Security	19.66/SF	4,701,579
D5090 Other Electrical Systems	2.75/SF	657,646
Electrical	\$45.54/SF	\$10,890,833
E10 Equipment		
E1010 Commercial Equipment	2.76/SF	660,000
E1090 Other Equipment	5.37/SF	1,284,000
Equipment	\$8.13/SF	\$1,944,000
E20 Furnishings		
E2010 Fixed Furnishings	7.08/SF	1,692,670
E2020 Movable Furnishings		Excl.
Furnishings	\$7.08/SF	\$1,692,670
F20 Selective Building Demolition		
F2010 Building Elements Demolition	15.09/SF	3,609,733

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Summary

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description		Cost/SF	Total Cost
F2020	Hazardous Components Abatement	8.03/SF	1,919,675
Selective Building Demolition		\$23.12/SF	\$5,529,408
G10 Site Preparation			
G1020	Site Demolition and Relocations	0.02/SF	3,720
G1030	Site Earthwork	0.01/SF	1,007
Site Preparation		\$0.02/SF	\$4,727
G20 Site Improvements			
G2030	Pedestrian Paving	0.02/SF	5,774
G2040	Site Development	0.90/SF	215,000
G2045	Athletic, Recreational, and Playfield Areas	2.56/SF	612,769
Site Improvements		\$3.49/SF	\$833,543
RENOVATION		\$286.63/SF	\$68,546,235

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Summary

B1722 OPTION B2 - 1,722 STUDENTS

B1722S Sitework

Rates Current At November 2020

Description	Cost/SF	Total Cost
G10 Site Preparation		
G1010 Site Clearing		265,082
G1020 Site Demolition and Relocations		863,782
G1030 Site Earthwork		1,982,659
Site Preparation		\$3,111,523
G20 Site Improvements		
G2010 Roadways		2,022,977
G2020 Parking Lots		1,052,654
G2030 Pedestrian Paving		144,641
G2045 Athletic, Recreational, and Playfield Areas		3,880,902
G2050 Landscaping		650,000
Site Improvements		\$7,751,174
G30 Site Mechanical Utilities		
G3010 Water Supply		576,375
G3020 Sanitary Water		316,128
G3030 Storm Sewer		2,316,125
G3090 Other Site Mechanical Utilities		38,500
Site Mechanical Utilities		\$3,247,128
G40 Site Electrical Utilities		
G4010 Electrical Distribution		195,000
G4020 Site Lighting		500,000
G4030 Site Communications & Security		950,000
Site Electrical Utilities		\$1,645,000
SITework		\$15,754,825

Preferred Schematic Report - Renovation and Addition - Reconciled

B1722 OPTION B2 - 1,722 STUDENTS

GFA: 68,000 SF Cost/SF: \$85.00

Rates Current At November 2020

\$5,780,000

Preferred Schematic Report - Renovation and Addition - Reconciled

Rates Current At November 2020

\$587,830

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamat II - Level 2/Elements Summary

Description	Cost/SF	Total Cost
MARGINS & ADJUSTMENTS		
Phasing / Temporary Works		\$7,251,200
Sub-contractor Bonds		\$2,030,336
General Requirements		\$3,625,601
General Conditions		\$10,151,680
Builder's Risk		\$672,331
GLPD		\$1,282,540
Bonds		\$1,020,226
Permits - by Owner		Excl.
CM Fee		\$4,276,448
Design / Estimating Contigency		\$26,300,155
GMP Contingency		\$6,049,036
ESTIMATED TOTAL COST BEFORE ESCALATION	\$438.93	\$207,683,560
Escalation Allowance up to mid-point of Construction		\$15,576,267
ESTIMATED TOTAL COST	\$471.85	\$223,259,827

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
364 Foundation wall strip footing - allow 3' x 12" deep	LF	1,968.80	90.00	177,192
473 Foudation wall strip footing - allow 3' x 12" deep	LF	18.70	90.00	1,683
366 Allowance for isolated footings, etc.	SF	57,691.00	3.50	201,918
367 Air and vapor barrier	SF	6,087.20	0.30	1,826
368 Rigid insulation, 2" thick	SF	6,087.20	3.00	18,262
369 Perimeter foundation walls - allow 16" thick	SF	5,906.60	65.00	383,929
474 Retaining walls - allow 16" thick	SF	181.00	655.00	118,555
370 Foundation excavation included with site preparation	LS	1.00		Incl.
371 Allowance for foundation backfill	SF	57,691.00	0.55	31,730
Standard Foundations			\$5.69/SF	\$935,095
A1020 Special Foundations				
426 Special foundations such piles, etc. - assumed not required	LS	1.00		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
355 Prepare and compact subbase	SF	57,691.00	0.75	43,268
356 Granular fill below slab on grade	CY	2,849.00	45.00	128,205
357 Air and vapor barrier	SF	57,691.00	0.25	14,423
358 Rigid insulation, 2" thick	SF	57,691.00	3.25	187,496
359 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	57,691.00	8.00	461,528
360 Allowance for radon system	SF	57,691.00	1.25	72,114
Slab on Grade			\$5.52/SF	\$907,034
Foundations			\$11.20/SF	\$1,842,129
B10 Superstructure				
B1010 Floor Construction				
348 Metal floor deck, 3" thick	SF	106,719.30	5.00	533,596
349 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	106,719.30	15.00	1,600,789
350 Allowance structural steel framing including beams, columns, bracing, etc.	T	747.0350	4,500.00	3,361,657
Floor Construction			\$33.43/SF	\$5,496,042
B1020 Roof Construction				
351 Metal roof deck, 3" thick	SF	49,972.20	5.00	249,861

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
352 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness (Vegetated roof)	SF	16,058.00	15.00	240,870
353 Allowance structural steel framing including beams, columns, bracing, etc.	T	349.8070	4,500.00	1,574,131
354 Allowance for equipment dunnage	T	10.0000	6,500.00	65,000
Roof Construction			\$12.95/SF	\$2,129,862
Superstructure			\$46.38/SF	\$7,625,904
B20 Exterior Enclosure				
B2010 Exterior Walls				
323 High performance insulated precast concrete panel (36%)	SF	24,564.90	100.00	2,456,490
322 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc. (20%)	SF	13,647.10	95.00	1,296,474
325 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc. (4%)	SF	2,729.70	85.00	232,024
324 Large format exterior CMU veneer, including back-up, insulation, AVB, etc. (10%)	SF	6,823.70	80.00	545,896
321 Paint finish to interior face of exterior wall	SF	33,435.60	1.25	41,795
530 Allowance for equipment roof screen	SF	10,000.00	100.00	1,000,000
531 Allowance for miscellaneous exterior wall not listed above	SF	164,410.00	3.00	493,230
Exterior Walls			\$36.90/SF	\$6,065,909
B2020 Exterior Windows				
277 Curtain wall system (15%)	SF	10,235.20	125.00	1,279,400
320 Storefront / Window (15%)	SF	10,235.20	100.00	1,023,520
Exterior Windows			\$14.01/SF	\$2,302,920
B2030 Exterior Doors				
311 Allowance for exterior doors	SF	164,410.00	3.50	575,435
Exterior Doors			\$3.50/SF	\$575,435
Exterior Enclosure			\$54.40/SF	\$8,944,264
B30 Roofing				
B3010 Roof Coverings				
314 PVC Membrane roofing, complete	SF	33,914.30	25.00	847,858
316 Vegetated roofing	SF	16,058.00	45.00	722,610
317 Roof patio paver, assumes 20% of vegetated roof	SF	3,212.00	25.00	80,300

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
318 Aluminum roof edge	LF	3,250.50	50.00	162,525
Roof Coverings			\$11.03/SF	\$1,813,293
Roofing			\$11.03/SF	\$1,813,293
C10 Interior Construction				
C1010 Partitions				
274 Gypsum board partitions; Corridor wall/ Classroom demising wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	47,746.90	15.00	716,203
275 CMU Partition	SF	18,129.30	25.00	453,232
276 Gypsum board partition	SF	21,484.40	8.00	171,875
312 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	164,410.00	16.00	2,630,560
Partitions			\$24.16/SF	\$3,971,870
C1020 Interior Doors				
310 Allowance for interior doors	SF	164,410.00	6.50	1,068,665
Interior Doors			\$6.50/SF	\$1,068,665
C1030 Fittings				
309 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	164,410.00	8.75	1,438,587
319 Allowance for railing at vegetated roof, assumes 20%	LF	134.00	500.00	67,000
Fittings			\$9.16/SF	\$1,505,587
Interior Construction			\$39.82/SF	\$6,546,122
C20 Stairs				
C2010 Stair Construction				
307 Allowance for interior stairs	SF	164,410.00	2.50	411,025
Stair Construction			\$2.50/SF	\$411,025
C2020 Stair Finishes				
278 Floor finish to Student Commons Stair, assumes precast terrazzo treads and risers	SF	903.20	45.00	40,644
279 Floor finish to Egress Stair, assumes rubber treads and risers	SF	3,686.40	20.00	73,728
308 Allowance for stair finishes	SF	164,410.00		Incl.
Stair Finishes			\$0.70/SF	\$114,372
Stairs			\$3.20/SF	\$525,397
C30 Interior Finishes				
C3010 Wall Finishes				
294 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	20,311.30	18.00	365,604

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
295 Wall finish to Lobby / Cafeteria, assumes 50% wood paneling to 4'-0" high	SF	1,243.60	65.00	80,834
296 Wall finish to Lobby / Cafeteria, assumes 50% large format porcelain to 4'-0" high	SF	1,243.60	25.00	31,090
297 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	6,950.10	18.00	125,102
298 Wall finish to Gymnasium, assumes 50% gym pad to 6'-0" high	SF	712.80	15.00	10,692
299 Wall finish to Gymnasium, assumes acoustical fiber panel to 4'-0" high	SF	949.90	50.00	47,495
300 Wall finish to Auditorium, assumes wood paneling to 13'-0" high	SF	2,901.00	65.00	188,565
301 Wall finish to Culinary Arts Kitchen, assumes 50% FRP to 10'-0" high	SF	2,186.70	25.00	54,667
302 Wall finish to Culinary Arts Restaurant, assumes 50% wood paneling to 10'-0" high	SF	724.50	50.00	36,225
303 Wall finish to Culinary Arts Restaurant, assumes 50% porcelain tile to 10'-0" high	SF	724.50	20.00	14,490
304 Epoxy paint finish to CMU partitions	SF	28,784.00	2.00	57,568
305 Paint finish to GWB partitions	SF	62,826.00	1.25	78,533
306 Allowance for miscellaneous wall finishes now listed above	SF	164,410.00	5.00	822,050
Wall Finishes			\$11.64/SF	\$1,912,915
C3020 Floor Finishes				
34 Carpet tile flooring	SY	3,114.18	50.00	155,709
35 Linoleum flooring	SF	48,618.53	6.50	316,020
36 Epoxy paint flooring	SF	5,000.50	14.00	70,007
45 Terrazzo flooring	SF	23,243.82	50.00	1,162,191
38 Seal concrete flooring	SF	4,965.27	3.00	14,896
39 Ceramic flooring	SF	4,055.54	18.00	73,000
40 Rubber base	LF	10,758.66	10.00	107,587
41 Ceramic base	LF	1,371.25	18.00	24,683
46 Terrazzo base	LF	4,113.91	50.00	205,695
482 Entrance mat	SF	1,160.64	55.00	63,835
Floor Finishes			\$13.34/SF	\$2,193,623
C3030 Ceiling Finishes				
281 Ceiling finish to Corridor / Lobby, assumes ACT	SF	46,281.80	5.00	231,409
282 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	3,503.40	16.00	56,055
283 Ceiling finish to Classroom / Science Lab/ Special Education, assumes ACT high NRC	SF	56,126.80	10.00	561,268

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61
Rates Current At November 2020

Description	Unit	Qty	Rate	Total
284 Ceiling finish to Administrative Area, assumes ACT high NRC	SF	9,441.00	10.00	94,410
285 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	6,069.40	17.00	103,179
286 Ceiling finish to Gymnasium, assumes paint finish to exposed structure with structural metal cellular acoustical deck	SF	1,191.60	2.50	2,979
287 Ceiling finish to Auditorium BOH / Dressing, assumes paint finish to exposed structure	SF	941.90	2.50	2,355
288 Ceiling finish to Cafeteria, assumes 50% premium ACT	SF	654.60	6.50	4,255
289 Ceiling finish to Cafeteria, assumes 50% specialty metal ceiling system (imitating wood grain)	SF	654.60	65.00	42,549
290 Ceiling finish to Medical, assumes ACT	SF	1,415.40	5.00	7,077
291 Ceiling finish to Vocational Shop (Main Level), assumes paint finish to exposed structure	SF	10,065.60	1.50	15,098
292 Ceiling finish to Kitchen / Culinary Arts Kitchen, assumes ACT washable	SF	6,044.50	6.00	36,267
293 Ceiling finish to Culinary Arts Restaurant, assumes vertical metal ceiling system with ACT suspended grid	SF	1,307.90	45.00	58,856
471 Allowance for miscellaneous ceiling finish not listed above	SF	164,410.00	1.00	164,410
Ceiling Finishes			\$8.39/SF	\$1,380,167
Interior Finishes			\$33.37/SF	\$5,486,705
D10 Conveying				
D1010 Elevators & Lifts				
315 Passenger elevator, four stop	EA	1.00	240,000.00	240,000
Elevators & Lifts			\$1.46/SF	\$240,000
Conveying			\$1.46/SF	\$240,000
D20 Plumbing				
D2010 Plumbing Fixtures				
372 Allowance for plumbing fixtures	SF	164,410.00	3.00	493,230
Plumbing Fixtures			\$3.00/SF	\$493,230
D2020 Domestic Water Distribution				
373 Allowance for domestic water distribution	SF	164,410.00	5.00	822,050
Domestic Water Distribution			\$5.00/SF	\$822,050
D2030 Sanitary Waste				
375 Allowance for sanitary waste system	SF	164,410.00	3.00	493,230
Sanitary Waste			\$3.00/SF	\$493,230

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D2040 Rain Water Drainage				
376 Allowance for rain water system	SF	164,410.00	2.00	328,820
Rain Water Drainage			\$2.00/SF	\$328,820
D2090 Other Plumbing Systems				
377 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	164,410.00	5.00	822,050
Other Plumbing Systems			\$5.00/SF	\$822,050
D4010 Sprinklers				
404 Allowance for sprinkler systems	SF	164,410.00	5.50	904,255
Sprinklers			\$5.50/SF	\$904,255
Plumbing			\$23.50/SF	\$3,863,635
D30 HVAC				
D3020 Heat Generating Systems				
378 Allowance for heat generating system	SF	164,410.00	1.40	230,174
Heat Generating Systems			\$1.40/SF	\$230,174
D3030 Cooling Generating Systems				
386 Allowance for cooling generating system	SF	164,410.00	8.20	1,348,162
Cooling Generating Systems			\$8.20/SF	\$1,348,162
D3040 Distribution Systems				
394 Allowance for distribution systems	SF	164,410.00	27.00	4,439,070
Distribution Systems			\$27.00/SF	\$4,439,070
D3050 Terminal & Package Units				
396 Allowance for terminal & package units	SF	164,410.00	9.25	1,520,792
Terminal & Package Units			\$9.25/SF	\$1,520,792
D3060 Controls & Instrumentations				
401 Allowance for controls system	SF	164,410.00	7.00	1,150,870
Controls & Instrumentations			\$7.00/SF	\$1,150,870
D3070 Systems Testing & Balancing				
402 Testing and balancing	SF	164,410.00	0.60	98,646
Systems Testing & Balancing			\$0.60/SF	\$98,646
D3090 Other HVAC Systems & Equipment				
403 Allowance for rigging, temporary heating, commissioning, co-ordination, as-builts, etc.	SF	164,410.00	4.50	739,845
Other HVAC Systems & Equipment			\$4.50/SF	\$739,845
HVAC			\$57.95/SF	\$9,527,559

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D50 Electrical				
D5010 Electrical Service & Distribution				
405 Main switchboard, 2,000A/480/277V/3Ph-4W - additional capacity	EA	1.00	100,000.00	100,000
406 Allowance for panelboards, transformers, feeders, ATS, mechanical connections, etc.	SF	164,410.00	2.00	328,820
407 Emergency Power: Diesel fueled generator, 150kW, including sound attenuated enclosure - additional capacity	EA	1.00	75,000.00	75,000
Electrical Service & Distribution			\$3.06/SF	\$503,820
D5020 Lighting and Branch Wiring				
408 Allowance for light fixtures including wiring and controls	SF	164,410.00	15.00	2,466,150
409 Allowance for secondary branch power including receptacles, junction boxes, wiring, etc.	SF	164,410.00	7.50	1,233,075
Lighting and Branch Wiring			\$22.50/SF	\$3,699,225
D5030 Communications & Security				
410 Tel/Data cabling system (per 3Si)	Item			735,170
411 Audio visual cabling (per 3Si)	Item			42,560
412 IPTV and video on demand system (per 3Si)	Item			159,200
413 Large venue audio/visual system (per 3Si)	Item			182,000
414 Classroom speech reinforcement systems	Item			100,320
415 Instructional audio/visual systems	Item			266,000
416 Public address system	Item			92,040
417 Clock system	Item			53,280
418 Integrated electronic security system (per 3Si)	Item			547,240
420 Allowance for fire alarm systems	SF	164,410.00	2.50	411,025
419 Allowance for security rough-ins	SF	164,410.00	0.25	41,102
421 Allowance for communication system rough-ins	SF	164,410.00	0.25	41,102
Communications & Security			\$16.25/SF	\$2,671,039
D5090 Other Electrical Systems				
422 Allowance for lightning protection	SF	164,410.00	0.50	82,205
423 Allowance for testing, commissioning, temporary lighting, as-buits, etc.	SF	164,410.00	2.00	328,820
424 PV system - by Others	LS	1.00		Excl.
Other Electrical Systems			\$2.50/SF	\$411,025
Electrical			\$44.31/SF	\$7,285,109

Northeast Metorpolitan Regional Technical High School
Preffered Schematic Report - Renovation and Addition - Reconciled

Location Uniforamt II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS
B1722A Addition (continued)

GFA: 164,410 SF Cost/SF: \$330.61
Rates Current At November 2020

Description	Unit	Qty	Rate	Total
E10 Equipment				
E1010 Commercial Equipment				
329 Food service equipment (per TDA)	Item			165,000
	Commercial Equipment		\$1.00/SF	\$165,000
	Equipment		\$1.00/SF	\$165,000
E20 Furnishings				
E2010 Fixed Furnishings				
337 Fixed casework and equipment (per TDA)	Item			490,000
	Fixed Furnishings		\$2.98/SF	\$490,000
	Furnishings		\$2.98/SF	\$490,000
	ADDITION		\$330.61/SF	\$54,355,117

Northeast Metropolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1030 Slab on Grade				
110 Fill-in existing pool with geofoam	CF	29,590.00	8.00	236,720
111 Topping slab to existing pool, 5" thick including reinforcement and forming	SF	2,690.00	15.00	40,350
Slab on Grade			\$1.16/SF	\$277,070
Foundations			\$1.16/SF	\$277,070
B10 Superstructure				
B1010 Floor Construction				
112 Allowance clipping existing interior masonry walls	SF	239,144.00	5.00	1,195,720
114 New framed concrete slab including reinforcement and forming, 12" thick	SF	1,423.40	45.00	64,053
115 Allowance for new structural beam due to demolition of existing bleachers - allow 75.9 PLF	T	4.2540	10,000.00	42,540
236 Allowance for miscellaneous repairs, in-filling, etc. to existing flooring system	LS	1.00	25,000.00	25,000
433 Light gauge floor framing, 12 SF (infill exisitng shaft)	LS	1.00	1,500.00	1,500
434 4" Thick composite concrete slab, 12 SF (infill existing shaft)	LS	1.00	500.00	500
437 New light gauge composite concrete slab to align with new elevation	SF	219.50	70.00	15,365
466 Light gauge floor framing (infill existing stair)	SF	35.50	50.00	1,775
479 4" Thick composite concrete slab	SF	400.00	20.00	8,000
480 Light gauge floor framing	SF	400.00	50.00	20,000
Floor Construction			\$5.75/SF	\$1,374,453
B1020 Roof Construction				
113 Allowance for structural roofing upgrade due to new mechanical equipment installation	LS	1.00	150,000.00	150,000
Roof Construction			\$0.63/SF	\$150,000
Superstructure			\$6.37/SF	\$1,524,453
B20 Exterior Enclosure				
B2010 Exterior Walls				
124 Re-pointing and repairs to existing exterior brick walls	SF	40,748.70	45.00	1,833,692
214 Re-pointing and repairs to existing exterior precast concrete walls	SF	5,239.40	35.00	183,379
206 Aluminum translucent walls	SF	9,752.00	95.00	926,440
Exterior Walls			\$12.31/SF	\$2,943,511
B2020 Exterior Windows				
125 Aluminum curtain wall system	SF	746.80	125.00	93,350

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
126 Aluminum storefront system	SF	6,727.00	100.00	672,700
209 Exterior window units, 1'-6" x 4'-6"	EA	6.00	950.00	5,700
210 Exterior window units, 2'-8" x 5'-8"	EA	1.00	1,850.00	1,850
212 Aluminum glazed transom	SF	78.00	95.00	7,410
213 Aluminum glazed sitelite	SF	51.40	95.00	4,883
Exterior Windows			\$3.29/SF	\$785,893
B2030 Exterior Doors				
101 2@3'-0" x 7'-6" Double leaf glazed door, including frame, finish, and hardware	Pair	1.00	10,500.00	10,500
104 2@3'-0" x 7'-0" Double leaf glazed door, including frame, finish, and hardware	Pair	12.00	9,500.00	114,000
103 2@2'-8" x 7'-2" Double leaf glazed door, including frame, finish, and hardware	Pair	2.00	8,700.00	17,400
102 2@3'-0" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	3.00	3,000.00	9,000
128 3'-0" x 7'-2" Single leaf hollow metal door, including frame, finish, and hardware	EA	17.00	1,300.00	22,100
122 3'-6" x 7'-2" Single leaf glazed door, including frame, finish, and hardware	EA	4.00	5,800.00	23,200
131 10'-0" x 14'-0" Overhead doors, including frame, finish, and hardware	EA	4.00	10,500.00	42,000
Exterior Doors			\$1.00/SF	\$238,200
C1020 Interior Doors				
448 12'-0" x 14'-0" Overhead doors, including frame, finish, and hardware	EA	1.00		Incl.
Interior Doors				Incl.
Exterior Enclosure			\$16.59/SF	\$3,967,604
B30 Roofing				
B3010 Roof Coverings				
93 PVC membrane roofing	SF	197,725.40	10.00	1,977,254
94 Protection board, 1/2" thick	SF	197,725.40	4.00	790,902
95 Tapered insulation, min. 5-1/2" thick	SF	197,725.40	7.00	1,384,078
105 Air vapor barrier to roofing system	SF	197,725.40	2.00	395,451
96 Stainless steel roof edge, 8" high	LF	5,186.40	75.00	388,980
97 Aluminum composite panels	SF	2,177.40	100.00	217,740
98 Allowance for walkway pad	SF	8,897.70	10.00	88,977
99 Allowance for roof blocking	SF	197,725.40	0.75	148,294

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
100 Allowance for miscellaneous trims and flashings	SF	197,725.40	1.00	197,725
Roof Coverings			\$23.37/SF	\$5,589,401
Roofing			\$23.37/SF	\$5,589,401
C10 Interior Construction				
C1010 Partitions				
63 Masonry partition; allow 4" CMU	SF	8,598.90	20.00	171,978
64 Gypsum board partition - 3 5/8" metal stud, 1 layer 5/8" GWB each side, mineral wool insulation	SF	31,885.90	12.00	382,631
65 Infill existing masonry partitions	SF	225.00	35.00	7,875
444 Infill CMU partition to match existing	SF	163.50	45.00	7,358
72 Interior aluminum sidelight (none indicated)	SF	303.40		Excl.
106 Interior aluminum transom (none indicated)	SF	202.40		Excl.
123 Interior storefront system (none indicated)	SF	92.40		Excl.
71 Allowance for miscellaneous caulking and sealing	SF	239,144.00	0.25	59,786
534 Allowance for miscellaneous partitions not indicated above	SF	239,144.00	10.00	2,391,440
Partitions			\$12.63/SF	\$3,021,068
C1020 Interior Doors				
134 2@3'-0" x 7'-0" Double leaf glazed door, including frame, finish, and hardware	Pair	6.00		Incl.
143 2@3'-0" x 7'-0" Double leaf wood door, including frame, finish, and hardware	Pair	54.00		Incl.
146 2@3'-0" x 7'-0" Double leaf wood door, including frame, finish, and hardware (Corridor fire rated doors)	Pair	8.00		Incl.
145 3'-0" x 7'-0" Single leaf wood door, including frame, finish, and hardware	EA	433.00		Incl.
451 3'-0" x 7'-0" Single leaf insulated metal door, including frame, finish, and hardware	EA	1.00		Incl.
154 Magnetic hold open	EA	8.00		Incl.
528 Allowance for interior doors	SF	239,144.00	8.50	2,032,724
Interior Doors			\$8.50/SF	\$2,032,724
C1030 Fittings				
73 Metal handrail to stairs	LF	328.60	250.00	82,150
74 Metal guardrail to stairs	LF	460.20	350.00	161,070
76 Restroom accessories; toilet partition	EA	15.00	1,200.00	18,000
77 Restroom accessories; toilet partition, ADA	EA	18.00	1,500.00	27,000
78 Allowance for new toilet accessories	SF	239,144.00	2.00	478,288
79 Allowance for new janitor accessories	LS	14.00	250.00	3,500
80 Allowance for new shower accessories	EA	239,144.00	0.10	23,914

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
84 Allowance for markerboard	LF	239,144.00	0.50	119,572
85 Allowance for tackboard	SF	239,144.00	0.05	11,957
86 Double tier cage lockers, 12" x 72" (Corridors)	EA	1,250.00	500.00	625,000
109 Double tier cage lockers, 12" x 72" (Locker rooms)	EA	317.00	500.00	158,500
75 Allowance for miscellaneous metals not yet designed	SF	239,144.00	1.50	358,716
87 Allowance for rough carpentry	SF	239,144.00	1.00	239,144
88 Allowance for wood blocking	SF	239,144.00	0.50	119,572
89 Allowance for fire extinguishers and cabinets	EA	20.40	500.00	10,200
90 Allowance for interior signage	SF	239,144.00	0.75	179,358
91 Allowance for exterior building signage, assumed not required	LS	1.00		Excl.
Fittings			\$10.94/SF	\$2,615,941
Interior Construction			\$32.07/SF	\$7,669,733
C20 Stairs				
C2010 Stair Construction				
120 Metal stairs with concrete filled pans and landing, approximately 8'-5" wide (Old Pool)	FT/R	4.00	2,500.00	10,000
121 Metal stairs with concrete filled pans and landing, approximately 8'-0" wide (Corridor)	FT/R	4.70	2,500.00	11,750
346 Metal stairs with concrete filled pans and landing, approximately 8'-5" wide (Corridor)	FT/R	5.00	2,500.00	12,500
Stair Construction			\$0.14/SF	\$34,250
C2020 Stair Finishes				
347 Floor finish to Corridor Stair, assumes terrazzo treads and risers	SF	85.50	45.01	3,848
Stair Finishes			\$0.02/SF	\$3,848
Stairs			\$0.16/SF	\$38,098
C30 Interior Finishes				
C3010 Wall Finishes				
66 Ceramic wall tile	SF	6,801.00	18.00	122,418
67 Paint finish to new interior gypsum partitions	SF	54,205.70	1.25	67,757
68 Paint finish to new interior masonry partitions	SF	15,394.70	2.00	30,789
69 Paint finish to existing partitions	SF	89,368.20	1.25	111,710
70 Allowance for repairs and patching to existing corridor walls	SF	47,851.00	2.00	95,702
529 Allowance for miscellaneous wall finishes now listed above	SF	239,144.00	10.00	2,391,440
Wall Finishes			\$11.79/SF	\$2,819,816

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C3020 Floor Finishes				
34 Carpet tile flooring	SY	676.12	50.00	33,806
35 Linoleum flooring	SF	79,858.67	6.50	519,082
36 Epoxy paint flooring	SF	18,355.30	14.00	256,974
481 Epoxy flooring	SF	12,910.00	12.00	154,920
37 Athletic performance wood flooring	SF	10,229.00	20.00	204,580
45 Terrazzo flooring	SF	1,325.28	50.00	66,264
38 Seal concrete flooring	SF	56,037.93	3.00	168,113
39 Ceramic flooring	SF	2,097.76	18.00	37,760
40 Rubber base	LF	15,769.54	10.00	157,695
41 Ceramic base	LF	784.75	18.00	14,126
46 Terrazzo base	LF	430.29	50.00	21,515
482 Entrance mat	SF	153.26	55.00	8,429
328 Sand and refinish existing wood flooring at cafeteria stage and storage room	SF	1,671.70	10.00	16,717
42 Prepare existing flooring to receive new floor finish	SF	188,721.70	2.25	424,624
43 Allowance for moisture mitigation system	SF	96,172.20	5.00	480,861
263 Wall base to Corridor, assumes resilient	LF	5,521.40	5.00	27,607
467 Wood floor finish system	SF	35.50	25.01	888
Floor Finishes			\$10.85/SF	\$2,593,961
C3030 Ceiling Finishes				
59 Acoustical ceiling panel, 24" x 24"	SF	209,737.40	5.00	1,048,687
60 Gypsum ceiling system to bathrooms	SF	2,097.80	15.00	31,467
61 Prepare and apply paint to gypsum board ceiling	SF	2,097.80	1.25	2,622
62 Allowance for soffit	SF	239,144.00	0.10	23,914
232 Ceiling finish to shop areas, not required	LS	1.00		Excl.
234 Ceiling finish to graphic design & visual communication shop, not required	LS	1.00		Excl.
Ceiling Finishes			\$4.63/SF	\$1,106,690
Interior Finishes			\$27.27/SF	\$6,520,467
D10 Conveying				
D1010 Elevators & Lifts				
92 Passenger elevator, two stop	EA	1.00	120,000.00	120,000
201 Passenger elevator, two stop, half flight	EA	2.00	180,000.00	360,000
446 Wheelchair lift for stage, one stop	EA	1.00	30,000.00	30,000
Elevators & Lifts			\$2.13/SF	\$510,000
Conveying			\$2.13/SF	\$510,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D20 Plumbing				
D2010 Plumbing Fixtures				
150 Allowance for plumbing fixtures	SF	239,144.00	3.50	837,004
Plumbing Fixtures			\$3.50/SF	\$837,004
D2020 Domestic Water Distribution				
151 Allowance for domestic water system	SF	239,144.00	8.00	1,913,152
Domestic Water Distribution			\$8.00/SF	\$1,913,152
D2030 Sanitary Waste				
152 Allowance for sanitary waste system	SF	239,144.00	4.00	956,576
Sanitary Waste			\$4.00/SF	\$956,576
D2040 Rain Water Drainage				
153 Allowance for modification to existing rain water drainage	SF	239,144.00	0.50	119,572
Rain Water Drainage			\$0.50/SF	\$119,572
D2090 Other Plumbing Systems				
155 Allowance for miscellaneous gas system, assumes minor modifications and repairs	SF	239,144.00	0.50	119,572
158 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	LS	1.00		Incl.
377 Allowance miscellaneous plumbing system such as gas piping, coordination, etc.	SF	239,144.00	5.00	1,195,720
Other Plumbing Systems			\$5.50/SF	\$1,315,292
Plumbing			\$21.50/SF	\$5,141,596
D30 HVAC				
D3020 Heat Generating Systems				
215 Gas fired condensing hot water boiler, 6,000 mbh	EA	2.00	115,000.00	230,000
216 Circulation pump	EA	2.00	1,600.00	3,200
221 Variable flow distribution pump, 500 gmp, 25 HP	EA	3.00	2,500.00	7,500
159 Allowance for existing hot water heating header c/w addition insulated distribution , hook-ups etc.	SF	239,144.00	6.00	1,434,864
Heat Generating Systems			\$7.01/SF	\$1,675,564
D3030 Cooling Generating Systems				
217 Centrifugal chiller, 225 ton	EA	1.00	250,000.00	250,000
218 Cooling tower, allow 255 ton	EA	1.00	100,000.00	100,000
219 Variable flow distribution pump, 225 gmp, 15 HP	EA	2.00	2,000.00	4,000
220 Condenser water pump, 280 gmp, 7.5 HP	EA	2.00	2,500.00	5,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
160 Allowance for existing cooling generating systems c/w addition insulated distribution , hook-ups etc.	SF	239,144.00	5.00	1,195,720
Cooling Generating Systems			\$6.50/SF	\$1,554,720
D3040 Distribution Systems				
161 Modify and replace existing HVAC distribution, diffusers, grills etc.	SF	239,144.00	20.00	4,782,880
Distribution Systems			\$20.00/SF	\$4,782,880
D3050 Terminal & Package Units				
222 Energy recovery ventilator, 1,500 cfm	EA	1.00	24,000.00	24,000
223 Energy recovery ventilator, ceiling concealed, 500 cfm	EA	1.00	8,000.00	8,000
237 Make-up air unit, 4,000 cfm	EA	1.00	30,000.00	30,000
238 Dust collector, 6,000 cfm	LS	1.00	12,000.00	12,000
162 Allowance for terminal & package units	SF	239,144.00	12.00	2,869,728
Terminal & Package Units			\$12.31/SF	\$2,943,728
D3060 Controls & Instrumentations				
163 DDC controls system c/w front end station, graphics, wiring, testing etc.	SF	239,144.00	10.00	2,391,440
Controls & Instrumentations			\$10.00/SF	\$2,391,440
D3070 Systems Testing & Balancing				
164 Air & water balancing c/w report	SF	239,144.00	1.00	239,144
Systems Testing & Balancing			\$1.00/SF	\$239,144
D3090 Other HVAC Systems & Equipment				
203 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	SF	239,144.00	4.50	1,076,148
Other HVAC Systems & Equipment			\$4.50/SF	\$1,076,148
HVAC			\$61.32/SF	\$14,663,624
D40 Fire Protection				
D4010 Sprinklers				
148 Wet / Dry sprinkler system c/w zoning, distribution, heads, flow switch, tamper switch, fittings, accessories, etc.	SF	239,144.00	7.00	1,674,008
Sprinklers			\$7.00/SF	\$1,674,008
D4090 Other Fire Protection Systems				
165 General requirement: supervision, shop drawings, as builds, permits, safety, rentals, tag and markers etc.	LS	1.00	75,000.00	75,000
Other Fire Protection Systems			\$0.31/SF	\$75,000
Fire Protection			\$7.31/SF	\$1,749,008

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D50 Electrical				
D5010 Electrical Service & Distribution				
228 Main switchboard, 4,000A	EA	1.00	225,000.00	225,000
229 Utility transformer	EA	1.00	15,000.00	15,000
239 Transformers to classrooms and shops, 120/208V	EA	67.00	1,500.00	100,500
240 Electrical panels to classrooms and shops, 277/208V	EA	67.00	2,500.00	167,500
241 Emergency generator, gas fired, 450KW, 277/480V	EA	1.00	350,000.00	350,000
242 Panelboard, ATS, 300A	EA	1.00	4,800.00	4,800
243 Panelboard, ATS, 400A	EA	1.00	5,500.00	5,500
166 Allowance for minor upgrade to existing electrical service and distribution	SF	239,144.00	1.50	358,716
Electrical Service & Distribution			\$5.13/SF	\$1,227,016
D5020 Lighting and Branch Wiring				
167 Allowance for lighting and branch wiring	SF	239,144.00	18.00	4,304,592
246 Exterior building lighting at entrances	EA	25.00		Incl.
Lighting and Branch Wiring			\$18.00/SF	\$4,304,592
D5030 Communications & Security				
410 Tel/Data cabling system (per 3Si)	Item			1,102,755
411 Audio visual cabling (per 3Si)	Item			63,840
412 IPTV and video on demand system (per 3Si)	Item			238,800
413 Large venue audio/visual system (per 3Si)	Item			273,000
414 Classroom speech reinforcement systems	Item			150,480
415 Instructional audio/visual systems	Item			399,000
416 Public address system	Item			138,060
417 Clock system	Item			79,920
418 Integrated electronic security system (per 3Si)	Item			820,860
183 Addressable fire alarm system c/w equipment, devices, testing, verification and integration to existing system	SF	239,144.00	3.00	717,432
168 Data and Voice outlets, horizontal cabling, conduit, cable trays, J hooks, backboards, racks, patch panels, backbone cabling and all necessary wire management and distribution accessories - rough-ins	SF	239,144.00	1.00	239,144
184 Security systems; extend existing Intrusion alarm, door access and CCTV systems - rough-ins	SF	239,144.00	1.00	239,144
192 Data and CATV cabling c/w raceways to support Audio visual systems - rough-ins	SF	239,144.00	1.00	239,144
Communications & Security			\$19.66/SF	\$4,701,579
D5090 Other Electrical Systems				
170 Coordination-Record Drawings/BIM	SF	239,144.00		Incl.

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
171 Marking, identification, cutting, patching, coring, sleeves, fire stops, seals, etc.	SF	239,144.00	2.00	478,288
204 Lightning control allowance	SF	239,144.00	0.75	179,358
Other Electrical Systems			\$2.75/SF	\$657,646
Electrical			\$45.54/SF	\$10,890,833
E10 Equipment				
E1010 Commercial Equipment				
329 Food service equipment (per TDA)	Item			660,000
Commercial Equipment			\$2.76/SF	\$660,000
E1090 Other Equipment				
330 Basketball backstops	LS	1.00	27,000.00	27,000
331 Stage Curtains and Rigging - Powered rigging (per TDA)	LS	1.00	650,000.00	650,000
332 Divider curtains (per TDA)	LS	1.00	32,000.00	32,000
333 Gym wall padding (per TDA)	LS	1.00	25,000.00	25,000
334 Automotive Refinishing - Booths/Frame machine (per TDA)	LS	1.00	325,000.00	325,000
335 Automotive Tech - Lifts (per TDA)	LS	1.00	160,000.00	160,000
336 HVAC/plumbing - Boiler/Furnace/Split Systems (per TDA)	LS	1.00	65,000.00	65,000
Other Equipment			\$5.37/SF	\$1,284,000
Equipment			\$8.13/SF	\$1,944,000
E20 Furnishings				
E2010 Fixed Furnishings				
108 Casework; Wood bench	LF	120.40	150.00	18,060
116 Casework; Solid wood frame to control panels, 1'-0" x 10'-0"	EA	67.00	250.00	16,750
193 Allowance for casework not identified	SF	239,144.00	2.50	597,860
337 Fixed casework and equipment (per TDA)	Item			735,000
338 Telescoping bleachers (per TDA)	LS	1.00	215,000.00	215,000
339 Cosmetology - Wet Stations/Manicure/Styling	LS	1.00	110,000.00	110,000
Fixed Furnishings			\$7.08/SF	\$1,692,670
E2020 Movable Furnishings				
172 FF&E - Assumed by owner	LS	1.00		Excl.
Movable Furnishings				Excl.
Furnishings			\$7.08/SF	\$1,692,670

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F20 Selective Building Demolition				
F2010 Building Elements Demolition				
1 Take down and remove existing asphaltic roofing (included in HazMat)	SF	24,734.70		Incl.
2 Take down and remove existing rubber roofing	SF	172,990.70	2.00	345,981
3 Take down and remove existing stainless steel roof edges	LF	5,186.40	10.00	51,864
4 Take down and remove existing metal fascia	SF	2,177.40	5.00	10,887
49 Remove and dispose of existing canopy including stone columns	SF	1,356.40	25.00	33,910
5 Take down and remove existing curtain wall system	SF	1,688.00	15.00	25,320
8 Take down and remove existing exterior storefront including operable windows	SF	6,454.70	15.00	96,821
205 Take down and remove existing exterior aluminum translucent walls including operable windows	SF	9,752.00	15.00	146,280
207 Take down and remove existing aluminum glazed transom	SF	78.00	15.00	1,170
208 Take down and remove existing aluminum glazed sitelite	SF	51.40	15.00	771
6 Take down and remove existing exterior window units, 1'-6" x 4'-6"	EA	6.00	150.00	900
51 Take down and remove existing exterior window units, 2'-8" x 5'-8"	EA	1.00	150.00	150
7 Cut, take down and remove existing exterior brick walls to enlarge openings (none indicated)	SF	89.40		Excl.
52 Cut, take down and remove existing exterior brick walls to create openings	SF	432.70	10.00	4,327
9 Remove and dispose of existing stairs, 4'-8" wide	FT/R	3.70	150.00	555
470 Remove and dispose of existing stairs, 4'-0" wide	FT/R	3.50	150.00	525
47 Remove and dispose of existing stairs, 3'-10" wide	FT/R	7.00	150.00	1,050
118 Remove and dispose of existing stairs, 4'-2" wide	FT/R	25.40	150.00	3,810
342 Remove and dispose of existing stairs, 6'-9" wide	FT/R	21.80	250.00	5,450
117 Remove and dispose of existing stairs, 7'-10" wide (none indicated)	FT/R	6.00		Excl.
10 Remove and dispose of existing ramp	SF	103.70	15.00	1,556
11 Remove and dispose of existing guardrails	LF	500.20	10.00	5,002
12 Remove and dispose of existing handrails	LF	347.90	10.00	3,479
13 Remove and dispose of existing double leaf doors	EA	86.00	100.00	8,600
14 Remove and dispose of existing single leaf doors	EA	454.00	75.00	34,050
132 Remove and dispose of existing overhead doors, 10'-0" x 14'-0"	EA	4.00	500.00	2,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
16 Lift and remove existing floor finishes including base	SF	174,174.30	1.00	174,175
18 Lift and remove existing ceramic floor finishes including base	SF	14,797.40	2.00	29,595
19 Take down and remove existing ceiling finishes	SF	211,835.40	1.25	264,794
21 Take down and remove existing ceramic wall finishes	SF	22,951.40	2.00	45,903
22 Take down and remove existing interior CMU walls	SF	24,960.10	8.00	199,681
23 Cut and create opening into CMU walls for new doors	EA	4.00	1,000.00	4,000
20 Enlarge opening into interior CMU walls	SF	655.70	10.00	6,557
48 Remove and dispose of folding partition, assumes 10'-0" high	SF	1,079.40	10.00	10,794
24 Take down existing toilet partitions	EA	47.00	150.00	7,050
25 Remove and dispose of existing restroom accessories	SF	4,894.40	7.00	34,261
54 Remove and dispose of existing shower accessories - allow	SF	834.90	3.00	2,505
55 Remove and dispose of existing janitor closet accessories	LS	14.00	350.00	4,900
27 Remove and dispose of bleachers	SF	750.40	20.00	15,008
28 Remove and dispose of metal lockers	EA	1,586.00	20.00	31,720
29 Remove and dispose of masonry / tile benches	LF	70.40	20.00	1,408
32 Allowance for existing interior millwork demolition not identified	SF	239,144.00	0.15	35,872
53 Allowance for interior demolition not identified below	SF	239,144.00	0.25	59,786
33 Remove and dispose of existing FF&E (assume by Owner)	LS	1.00		Excl.
147 MEP selective demolition, decommission, removal and disposal	SF	239,144.00	6.00	1,434,864
361 Remove and dispose of existing interior partitions	SF	61,437.00	5.00	307,185
430 Infill floor at toilet plumbing removal to match existing bathroom floor	SF	41.00	75.00	3,075
431 Remove and dispose of existing plumbing fixtures at Toilet Room (room area measured)	SF	1,536.00	5.00	7,680
432 Remove and dispose of existing MEP equipment and services	SF	139,334.00	0.50	69,667
439 Remove and dispose of existing trench cover plates	LF	45.50	5.01	228
440 Infill existing trench	LF	107.50	75.00	8,063
442 Remove and dispose of existing casework (Sci Lab)	LF	39.00	10.00	390
443 Remove and dispose of existing storefront	SF	1,295.00	30.00	38,850
468 Remove and dispose of existing handrail	LF	13.00	15.00	195
469 Remove and dispose of existing trench grate	LF	62.50	10.00	625
475 Remove and dispose of existing exterior masonry wall	SF	1,430.50	8.00	11,444

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722R Renovation (continued)

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
476 Temporarily support existing roof at exterior wall removal, allow for new construction installation	LS	1.00	15,000.00	15,000
477 Remove and dispose of existing interior steps	SF	8.00		Incl.
Building Elements Demolition			\$15.09/SF	\$3,609,733
F2020 Hazardous Components Abatement				
58 Allowance for hazardous materials abatement (per CDWCI report dated April 14, 2020)	LS	1.00	1,919,675.00	1,919,675
Hazardous Components Abatement			\$8.03/SF	\$1,919,675
Selective Building Demolition			\$23.12/SF	\$5,529,408
G10 Site Preparation				
G1020 Site Demolition and Relocations				
135 Demolish concrete ramps	SF	340.00	3.00	1,020
177 Remove and dispose of existing basketball hoops	EA	4.00	300.00	1,200
190 Remove and dispose existing day care playground equipment and surfacing	LS	1.00	1,500.00	1,500
Site Demolition and Relocations			\$0.02/SF	\$3,720
G1030 Site Earthwork				
195 Excavate for walkway including spoil removal, allow rock excavation	CY	12.59	80.00	1,007
Site Earthwork			\$0.01/SF	\$1,007
Site Preparation			\$0.02/SF	\$4,727
G20 Site Improvements				
G2030 Pedestrian Paving				
136 New concrete ramps	SF	340.00	15.00	5,100
197 Prepare and compact subbase	SF	339.82	0.50	170
198 Granular bedding, allow 12" thick	CY	12.59	40.00	504
Pedestrian Paving			\$0.02/SF	\$5,774
G2040 Site Development				
191 New day care playground and surfacing	LS	1.00	200,000.00	200,000
202 Allowance for athletic field restoration due to new water line services	LS	1.00	15,000.00	15,000
Site Development			\$0.90/SF	\$215,000
G2045 Athletic, Recreational, and Playfield Areas				
178 Re-surface existing basketball courts	SF	12,981.00	10.00	129,810
179 New basketball court fencing	LF	456.70	100.00	45,670
181 New athletic fields dugouts	EA	4.00	50,000.00	200,000
182 New aluminum spectator bleachers/seating - allow 100 seats capacity	LS	3.00	45,000.00	135,000

Preferred Schematic Report - Renovation and Addition - Reconciled

B1722 OPTION B2 - 1,722 STUDENTS

GFA: 239,144 SF Cost/SF: \$286.63

Rates Current At November 2020

Description		Unit	Qty	Rate	Total
185	Baseball field chain-link fence	LF	1,232.70	70.00	86,289
194	New basketball hoops	EA	4.00	4,000.00	16,000
<i>Athletic, Recreational, and Playfield Areas</i>				<i>\$2.56/SF</i>	<i>\$612,769</i>
<i>Site Improvements</i>				<i>\$3.49/SF</i>	<i>\$833,543</i>
<i>RENOVATION</i>				<i>\$286.63/SF</i>	<i>\$68,546,235</i>

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722S Sitework

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G10 Site Preparation				
G1010 Site Clearing				
460 Allowance for site clearing	Acre	3.440	1,500.00	5,160
461 Construction fence	LF	2,000.70	15.00	30,011
462 Construction entrance	EA	2.00	7,500.00	15,000
463 Mobilization	LS	1.00	65,000.00	65,000
464 Submittals, as-builts, layouts, etc.	LS	1.00	40,000.00	40,000
465 Erosion controls including maintenance	SF	732,741.00	0.15	109,911
Site Clearing				\$265,082
G1020 Site Demolition and Relocations				
129 Break-out and remove portion of existing parking lot	SF	101,945.40	2.00	203,890
130 Grind/mill existing top course	SF	125,295.30	0.75	93,971
137 Break-out and remove walkways	SF	12,495.00	2.00	24,990
344 Break-out portion of existing roadway affected by new construction	SF	17,835.00	2.00	35,670
438 Demolish existing support structures	SF	4,098.70	6.00	24,592
452 Excavate for new access pavement including spoil removal, allow rock excavation	CY	2,059.40	80.00	164,752
498 Break-out existing athletic pavement (tracks, long-jump, etc.)	SF	41,394.00	0.75	31,046
499 Remove existing bleachers	SF	7,506.40	3.00	22,519
500 Remove existing fence	LF	2,921.70	10.00	29,217
501 Remove existing metal guardrail	LF	187.40	15.00	2,811
508 Sawcut and break-out existing roadway due to utility construction	SF	8,002.00	15.75	126,032
510 Sawcut and break-out existing access road and parking due to utility construction	SF	6,621.70	15.75	104,292
Site Demolition and Relocations				\$863,782
G1030 Site Earthwork				
195 Excavate for walkway including spoil removal, allow rock excavation	CY	760.41	80.00	60,833
447 Excavate for new parking pavement including spoil removal, allow rock excavation	CY	1,262.80	80.00	101,024
459 Allowance for building platform, allow rock excavation	CY	30,346.70	60.00	1,820,802
Site Earthwork				\$1,982,659
Site Preparation				\$3,111,523
G20 Site Improvements				
G2010 Roadways				
453 Prepare and compact subbase for new pavement	SF	56,323.70	0.35	19,713

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
454 Granular bedding for pavement, allow 12" thick	CY	2,086.40	40.00	83,456
455 Binder and top course to new access pavement, allow 4" overall thickness	SY	4,633.70	40.00	185,348
509 Re-paved existing roadway due to utilities construction	SY	1,625.00	50.00	81,250
456 Allowance for new granite curbs	LF	2,559.70	55.00	140,784
457 Allowance for pavement markings	SF	49,702.40	0.25	12,426
532 Intersection improvement including traffic signals	LS	1.00	1,500,000.00	1,500,000
Roadways				\$2,022,977
G2020 Parking Lots				
445 Prepare and compact subbase for new pavement	SF	45,570.60	0.35	15,951
449 Granular bedding for pavement, allow 12" thick	CY	1,688.10	40.00	67,524
140 New base and finish course to existing parking lot and access way	SY	13,922.00	40.00	556,880
450 Binder and top course to new parking pavement, allow 4" overall thickness	SY	2,841.30	40.00	113,652
141 Allowance for new granite curbs	LF	3,037.00	55.00	167,035
478 Allowance for temporary parking	SY	2,222.40	40.00	88,896
142 Allowance for pavement markings	SF	170,865.60	0.25	42,716
Parking Lots				\$1,052,654
G2030 Pedestrian Paving				
133 Concrete walkways, allow 5" thick	SF	14,490.40	8.00	115,924
197 Prepare and compact subbase	SF	14,490.18	0.50	7,245
198 Granular bedding, allow 12" thick	CY	536.81	40.00	21,472
Pedestrian Paving				\$144,641
G2045 Athletic, Recreational, and Playfield Areas				
483 Prepare and compact subbase	SF	260,948.70	0.35	91,332
484 Granular bedding to athletic fields, allow 12" thick	CY	4,990.40	40.00	199,616
485 Running track surface	SF	35,678.00	15.00	535,170
486 Synthetic turf	SF	76,129.40	10.00	761,294
487 Seeding to baseball & softball fields including bedding, allow 8" thick	SF	126,212.70	1.75	220,872
488 Baseball & Softball athletic fields	SF	22,929.40	2.00	45,859
489 Long jump	SF	1,047.70	10.00	10,477
490 Seeding to football / soccer fields including bedding, allow 8" thick	SF	39,140.70	1.75	68,496
492 Football scoreboard	EA	1.00	30,000.00	30,000
493 Baseball & Softball backstops	LF	340.00	250.00	85,000
494 Baseball & Softball perimeter fencing	LF	1,802.00	40.00	72,080

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - Renovation and Addition - Reconciled

Location Uniformat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
495 Bleacher structure spectator seating including pressbox, 954 seating capacity	LS	1.00	1,400,000.00	1,400,000
497 Irrigation to athletic fields	SF	165,353.00	2.00	330,706
502 Football goal	EA	2.00	15,000.00	30,000
Athletic, Recreational, and Playfield Areas				\$3,880,902
G2050 Landscaping				
180 Lawn to existing athletic fields (refer to G2045)	SF	179,650.40		Incl.
200 Allowance for new plantings (trees, shrubs, etc.)	LS	1.00	650,000.00	650,000
Landscaping				\$650,000
Site Improvements				\$7,751,174
G30 Site Mechanical Utilities				
G3010 Water Supply				
503 Connect to existing mains	LS	1.00	10,000.00	10,000
504 Hydrant	EA	3.00	4,500.00	13,500
505 CLDI pipe, 8"	LF	841.00	100.00	84,100
507 Water mains, DI pipe, 16"	LF	1,990.00	200.00	398,000
189 Excavation and backfil	LF	2,831.00	25.00	70,775
Water Supply				\$576,375
G3020 Sanitary Water				
506 Clean and re-align existing sewer pipe	LF	2,340.00	50.00	117,000
511 Precast concrete grease trap, 10,000 gal.	EA	1.00	25,000.00	25,000
512 Manholes	EA	3.00	3,500.00	10,500
513 PVC pipe, 6"	LF	450.00	60.00	27,000
514 PVC Pipe, force main, 4"	LF	271.70	50.00	13,585
515 Pump station	EA	1.00	100,000.00	100,000
516 Oil and water separator	EA	1.00	5,000.00	5,000
517 Excavation and backfil	LF	721.70	25.00	18,043
Sanitary Water				\$316,128
G3030 Storm Sewer				
518 Catchbasins	EA	16.00	3,000.00	48,000
519 Area drain	EA	8.00	500.00	4,000
520 Manholes	EA	12.00	5,000.00	60,000
521 Water quality structure	EA	5.00	35,000.00	175,000
522 HDPE pipe, 12"	LF	1,508.40	55.00	82,962
523 HDPE pipe, 24"	LF	783.70	100.00	78,370
524 Subsurface infiltration system	SF	45,000.00	40.00	1,800,000
525 Connect to existing	EA	3.00	3,500.00	10,500

Northeast Metorpolitan Regional Technical High School

Preffered Schematic Report - Renovation and Addition - Reconciled

Location Unifomat II - Level 2/Elements Item

B1722 OPTION B2 - 1,722 STUDENTS

B1722S Sitework (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
526 Excavation and backfil	LF	2,291.70	25.00	57,293
Storm Sewer				\$2,316,125
G3090 Other Site Mechanical Utilities				
173 Gas: Connect to existing main - by Utility Co.	LS	1.00		Excl.
174 Gas: Gas piping - by Utility Co.	LF	1,100.00		Excl.
175 Gas: Trenching and backfill	LF	1,100.00	35.00	38,500
Other Site Mechanical Utilities				\$38,500
Site Mechanical Utilities				\$3,247,128
G40 Site Electrical Utilities				
G4010 Electrical Distribution				
247 Allowance for site electrical distribution	LS	1.00	195,000.00	195,000
Electrical Distribution				\$195,000
G4020 Site Lighting				
244 Pole lights including wiring and connections, 25' high - allow	LS	1.00	400,000.00	400,000
245 Pedestrian area lights including wiring and connections, 12' high - allow	LS	1.00	100,000.00	100,000
Site Lighting				\$500,000
G4030 Site Communications & Security				
533 Allowance for site communications & security	LS	1.00	950,000.00	950,000
Site Communications & Security				\$950,000
Site Electrical Utilities				\$1,645,000
SITEWORK				\$15,754,825

Preferred Schematic Report - Renovation and Addition - Reconciled

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F10 Special Construction				
F1030 Special Construction Systems				
341 Allowance for above grade parking structure	SF	68,000.00	85.00	5,780,000
Special Construction Systems			\$85.00/SF	\$5,780,000
Special Construction			\$85.00/SF	\$5,780,000
PARKING			\$85.00/SF	\$5,780,000

Preferred Schematic Report - Renovation and Addition - Reconciled

B1722 OPTION B2 - 1,722 STUDENTS

GFA: 1,600 SF Cost/SF: \$367.39

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F10 Special Construction				
F1030 Special Construction Systems				
527 Allowance for Ticket office/Concession	LS	1.00	587,830.00	587,830
Special Construction Systems			\$367.39/SF	\$587,830
Special Construction			\$367.39/SF	\$587,830
TICKET OFFICE/CONCESSION			\$367.39/SF	\$587,830

PREFERRED SCHEMATIC REPORT COST ESTIMATE

4 DECEMBER 2020

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL – NEW CONSTRUCTION OPTIONS

WAKEFIELD, MA



Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
C1 OPTION C1 - 1,600 STUDENTS			
C1A BUILDING			
C1A1 Main Building	380,133	526.41	200,106,911
C1A2 Maintenance Building	2,520	495.29	1,248,120
C1A3 Ticket Office/Concessions	1,600	547.27	875,631
<i>C1A - BUILDING</i>	<i>384,253</i>	<i>\$526.30</i>	<i>\$202,230,662</i>
C1S SITEWORK			41,272,524
C1 - OPTION C1 - 1,600 STUDENTS	384,253	\$633.71	\$243,503,186
C2 OPTION C2 - 1,600 STUDENTS			
C2A BUILDING			
C2A1 Main Building	382,653	512.58	196,141,138
C2A2 Ticket Office/Concessions	1,600	537.39	859,825
<i>C2A - BUILDING</i>	<i>384,253</i>	<i>\$512.69</i>	<i>\$197,000,963</i>
C2S SITEWORK			39,627,177
C2 - OPTION C2 - 1,600 STUDENTS	384,253	\$615.81	\$236,628,140
C3 OPTION C3 - 1,600 STUDENTS			
C3A BUILDING			
C3A1 Main Building	373,682	499.89	186,799,988
C3A2 Concessions/Locker Building	7,200	561.92	4,045,856
C3A3 Maintenance Building	1,771	492.77	872,687
C3A4 Ticket Office/Concessions	1,600	523.46	837,541
<i>C3A - BUILDING</i>	<i>384,253</i>	<i>\$501.12</i>	<i>\$192,556,072</i>

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location		GFA SF	Cost/SF	Total Cost
C3S	SITEWORK			
C3S1	Site Improvements			50,958,346
	C3S - SITEWORK			\$50,958,346
	C3 - OPTION C3 - 1,600 STUDENTS	384,253	\$633.73	\$243,514,418

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
C1 OPTION C1 - 1,600 STUDENTS			
C1A BUILDING			
C1A1 Main Building	380,133	356.04	135,343,432
C1A2 Maintenance Building	2,520	334.99	844,174
C1A3 Ticket Office/Concessions	1,600	370.15	592,239
<i>C1A - BUILDING</i>	<i>384,253</i>	<i>\$355.96</i>	<i>\$136,779,845</i>
C1S SITEWORK			27,914,902
C1 - OPTION C1 - 1,600 STUDENTS	384,253	\$428.61	\$164,694,747
ESTIMATED NET COST	384,253	\$428.61	\$164,694,747
MARGINS & ADJUSTMENTS			
Phasing / Temporary Works	5.0 %		\$8,234,737
Sub-contractor Bonds	1.3 %		\$2,305,727
General Requirements	2.3 %		\$4,117,369
General Conditions	5.5 %		\$9,881,685
Builder's Risk	0.4 %		\$756,936
GLPD	0.8 %		\$1,443,933
Bonds	0.6 %		\$1,148,611
Permits - by Owner			Excl.
CM Fee	2.5 %		\$4,814,593
Design / Estimating Contingency	12.5 %		\$24,674,792
GMP Contingency	2.0 %		\$4,441,462
ESTIMATED TOTAL COST BEFORE ESCALATION	384,253	\$589.49	\$226,514,592
Escalation Allowance up to mid-point of Construction	7.5 %		\$16,988,594
ESTIMATED TOTAL COST	384,253	\$633.71	\$243,503,186

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	5.95/SF	2,260,339
A1020 Special Foundations		Excl.
A1030 Slab on Grade	8.56/SF	3,255,647
Foundations	\$14.51/SF	\$5,515,986
A20 Basement Construction		
A2020 Basement Walls	8.42/SF	3,201,284
Basement Construction	\$8.42/SF	\$3,201,284
B10 Superstructure		
B1010 Floor Construction	34.04/SF	12,939,829
B1020 Roof Construction	17.32/SF	6,584,614
Superstructure	\$51.36/SF	\$19,524,443
B20 Exterior Enclosure		
B2010 Exterior Walls	30.20/SF	11,478,642
B2020 Exterior Windows	11.68/SF	4,438,192
B2030 Exterior Doors	3.50/SF	1,330,466
Exterior Enclosure	\$45.37/SF	\$17,247,300
B30 Roofing		
B3010 Roof Coverings	13.64/SF	5,185,840
B3020 Roof Openings	1.85/SF	702,570
Roofing	\$15.49/SF	\$5,888,410
C10 Interior Construction		
C1010 Partitions	28.90/SF	10,986,751
C1020 Interior Doors	6.50/SF	2,470,865
C1030 Fittings	8.75/SF	3,326,164
Interior Construction	\$44.15/SF	\$16,783,780
C20 Stairs		
C2010 Stair Construction	2.50/SF	950,333
C2020 Stair Finishes	0.63/SF	239,967
Stairs	\$3.13/SF	\$1,190,300
C30 Interior Finishes		
C3010 Wall Finishes	11.58/SF	4,403,445
C3020 Floor Finishes	9.18/SF	3,489,062

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Cost/SF	Total Cost
C3030 Ceiling Finishes	12.08/SF	4,590,547
Interior Finishes	\$32.84/SF	\$12,483,054
D10 Conveying		
D1010 Elevators & Lifts	1.58/SF	600,000
Conveying	\$1.58/SF	\$600,000
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	1,140,399
D2020 Domestic Water Distribution	5.00/SF	1,900,665
D2030 Sanitary Waste	3.00/SF	1,140,399
D2040 Rain Water Drainage	2.00/SF	760,266
D2090 Other Plumbing Systems	5.00/SF	1,900,665
Plumbing	\$18.00/SF	\$6,842,394
D30 HVAC		
D3020 Heat Generating Systems	1.39/SF	530,250
D3030 Cooling Generating Systems	8.17/SF	3,106,899
D3040 Distribution Systems	26.88/SF	10,217,675
D3050 Terminal & Package Units	9.23/SF	3,508,400
D3060 Controls & Instrumentations	7.00/SF	2,660,931
D3070 Systems Testing & Balancing	0.60/SF	228,080
D3090 Other HVAC Systems & Equipment	4.50/SF	1,710,599
HVAC	\$57.78/SF	\$21,962,834
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	2,090,732
Fire Protection	\$5.50/SF	\$2,090,732
D50 Electrical		
D5010 Electrical Service & Distribution	6.62/SF	2,515,665
D5020 Lighting and Branch Wiring	22.50/SF	8,552,993
D5030 Communications & Security	16.67/SF	6,334,924
D5090 Other Electrical Systems	2.50/SF	950,333
Electrical	\$48.28/SF	\$18,353,915
E10 Equipment		
E1010 Commercial Equipment	2.17/SF	825,000
E1090 Other Equipment	3.38/SF	1,284,000
Equipment	\$5.55/SF	\$2,109,000

Preferred Schematic Report - New Construction - Revision 3

C1 OPTION C1 - 1,600 STUDENTS

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Cost/SF	Total Cost
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E20 Furnishings

E2010 Fixed Furnishings

4.08/SF	1,550,000
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Furnishings	\$4.08/SF	\$1,550,000
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MAIN BUILDING	\$356.04/SF	\$135,343,432
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Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A2 Maintenance Building

GFA: 2,520 SF Cost/SF: \$334.99

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	26.55/SF	66,899
A1020 Special Foundations		Excl.
A1030 Slab on Grade	15.36/SF	38,710
Foundations	\$41.91/SF	\$105,609
B20 Exterior Enclosure		
B2010 Exterior Walls	82.58/SF	208,105
B2030 Exterior Doors	3.50/SF	8,820
Exterior Enclosure	\$86.08/SF	\$216,925
C10 Interior Construction		
C1030 Fittings	8.75/SF	22,050
Interior Construction	\$8.75/SF	\$22,050
C30 Interior Finishes		
C3010 Wall Finishes	5.00/SF	12,600
C3020 Floor Finishes	2.25/SF	5,670
C3030 Ceiling Finishes	2.50/SF	6,300
Interior Finishes	\$9.75/SF	\$24,570
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	7,560
D2020 Domestic Water Distribution	5.00/SF	12,600
D2030 Sanitary Waste	3.00/SF	7,560
D2040 Rain Water Drainage	2.00/SF	5,040
D2090 Other Plumbing Systems	5.00/SF	12,600
Plumbing	\$18.00/SF	\$45,360
D30 HVAC		
D3090 Other HVAC Systems & Equipment	35.00/SF	88,200
HVAC	\$35.00/SF	\$88,200
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	13,860
Fire Protection	\$5.50/SF	\$13,860
D50 Electrical		
D5090 Other Electrical Systems	30.00/SF	75,600
Electrical	\$30.00/SF	\$75,600

Preferred Schematic Report - New Construction - Revision 3

C1 OPTION C1 - 1,600 STUDENTS

GFA: 2,520 SF Cost/SF: \$334.99

Rates Current At November 2020

Description		Cost/SF	Total Cost
F10	Special Construction		
F1030	Special Construction Systems	100.00/SF	252,000
	Special Construction	\$100.00/SF	\$252,000
	MAINTENANCE BUILDING	\$334.99/SF	\$844,174

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A3 Ticket Office/Concessions

GFA: 1,600 SF Cost/SF: \$370.15

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	38.74/SF	61,981
A1020 Special Foundations		Excl.
A1030 Slab on Grade	13.36/SF	21,378
Foundations	\$52.10/SF	\$83,359
B20 Exterior Enclosure		
B2010 Exterior Walls	111.30/SF	178,080
B2030 Exterior Doors	3.50/SF	5,600
Exterior Enclosure	\$114.80/SF	\$183,680
C10 Interior Construction		
C1030 Fittings	8.75/SF	14,000
Interior Construction	\$8.75/SF	\$14,000
C30 Interior Finishes		
C3010 Wall Finishes	5.00/SF	8,000
C3030 Ceiling Finishes	1.00/SF	1,600
Interior Finishes	\$6.00/SF	\$9,600
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	4,800
D2020 Domestic Water Distribution	5.00/SF	8,000
D2030 Sanitary Waste	3.00/SF	4,800
D2040 Rain Water Drainage	2.00/SF	3,200
D2090 Other Plumbing Systems	5.00/SF	8,000
Plumbing	\$18.00/SF	\$28,800
D30 HVAC		
D3090 Other HVAC Systems & Equipment	35.00/SF	56,000
HVAC	\$35.00/SF	\$56,000
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	8,800
Fire Protection	\$5.50/SF	\$8,800
D50 Electrical		
D5090 Other Electrical Systems	30.00/SF	48,000
Electrical	\$30.00/SF	\$48,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A3 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$370.15
Rates Current At November 2020

Description	Cost/SF	Total Cost
F10 Special Construction		
F1030 Special Construction Systems	100.00/SF	160,000
	<i>Special Construction</i>	<i>\$100.00/SF</i>
	<i>TICKET OFFICE/CONCESSIONS</i>	<i>\$370.15/SF</i>
		<i>\$592,239</i>

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C1 OPTION C1 - 1,600 STUDENTS

C1S SITEWORK

Rates Current At November 2020

Description		Cost/SF	Total Cost
F20 Selective Building Demolition			
F2010	Building Elements Demolition		1,434,864
F2020	Hazardous Components Abatement		1,919,675
Selective Building Demolition			\$3,354,539
G10 Site Preparation			
G1010	Site Clearing		430,686
G1020	Site Demolition and Relocations		1,185,629
G1030	Site Earthwork		4,435,995
Site Preparation			\$6,052,310
G20 Site Improvements			
G2010	Roadways		3,443,833
G2020	Parking Lots		1,251,795
G2030	Pedestrian Paving		153,991
G2040	Site Development		777,800
G2045	Athletic, Recreational, and Playfield Areas		4,755,436
G2050	Landscaping		1,368,146
Site Improvements			\$11,751,001
G30 Site Mechanical Utilities			
G3010	Water Supply		925,298
G3020	Sanitary Water		153,677
G3030	Storm Sewer		2,668,988
G3090	Other Site Mechanical Utilities		200,000
Site Mechanical Utilities			\$3,947,963
G40 Site Electrical Utilities			
G4010	Electrical Distribution		129,904
G4020	Site Lighting		2,029,665
G4030	Site Communications & Security		649,520
Site Electrical Utilities			\$2,809,089
SITEWORK			\$27,914,902

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Summary

Description	Cost/SF	Total Cost
MARGINS & ADJUSTMENTS		
Phasing / Temporary Works		\$8,234,737
Sub-contractor Bonds		\$2,305,727
General Requirements		\$4,117,369
General Conditions		\$9,881,685
Builder's Risk		\$756,936
GLPD		\$1,443,933
Bonds		\$1,148,611
Permits - by Owner		Excl.
CM Fee		\$4,814,593
Design / Estimating Contingency		\$24,674,792
GMP Contingency		\$4,441,462
ESTIMATED TOTAL COST BEFORE ESCALATION	\$589.49	\$226,514,592
Escalation Allowance up to mid-point of Construction		\$16,988,594
ESTIMATED TOTAL COST	\$633.71	\$243,503,186

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	1,716.230	90.00	154,461
190 Building retaining wall strip footing - allow 14' x 24" deep	LF	1,223.000	685.00	837,755
192 Air and vapor barrier	SF	5,147.969	0.30	1,543
193 Rigid insulation, 2" thick	SF	5,147.969	3.00	15,444
195 Perimeter foundation walls - allow 12" thick	SF	5,147.969	55.00	283,138
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	147,785.696	0.55	81,282
337 Allowance for isolated footing	SF	147,786.000	6.00	886,716
Standard Foundations			\$5.95/SF	\$2,260,339
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	147,785.696	0.75	110,839
163 Granular fill below slab on grade, re-use excavated materials	CY	16,420.816	10.00	164,208
164 Air and vapor barrier	SF	147,785.696	0.25	36,946
165 Rigid insulation, 2" thick	SF	147,785.696	3.25	480,304
166 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 6" thick	SF	66,492.397	10.00	664,924
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	81,293.299	8.00	650,346
329 Allowance for radon system	SF	147,785.900	1.25	184,732
332 Cut to proposed level, including disposal of unused spoils, etc. - allow rock excavation	CY	24,083.700	40.00	963,348
Slab on Grade			\$8.56/SF	\$3,255,647
Foundations			\$14.51/SF	\$5,515,986
A20 Basement Construction				
A2020 Basement Walls				
196 Building retaining walls - allow 30" thick	SF	28,330.000	95.00	2,691,350
198 Basement drainage boards	SF	28,329.700	8.00	226,637
199 Waterproofing to building retaining walls	SF	28,329.700	10.00	283,297
Basement Walls			\$8.42/SF	\$3,201,284
Basement Construction			\$8.42/SF	\$3,201,284

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
B10 Superstructure				
B1010 Floor Construction				
168 Metal floor deck, 3" thick	SF	232,347.100	5.00	1,161,735
169 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	232,347.100	15.00	3,485,206
170 Allowance structural steel framing including beams, columns, bracing, etc.	T	1,842.86400	4,500.00	8,292,888
Floor Construction			\$34.04/SF	\$12,939,829
B1020 Roof Construction				
171 Acoustical metal roof deck, 3" thick	SF	25,713.000	15.00	385,695
172 Metal roof deck, 3" thick	SF	127,720.900	5.00	638,605
173 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	30,000.000	15.00	450,000
174 Allowance structural steel framing including beams, columns, bracing, etc.	T	1,121.18100	4,500.00	5,045,314
175 Allowance for equipment dunnage	T	10.00000	6,500.00	65,000
Roof Construction			\$17.32/SF	\$6,584,614
Superstructure			\$51.36/SF	\$19,524,443
B20 Exterior Enclosure				
B2010 Exterior Walls				
186 Paint finish to interior face of exterior wall	SF	64,436.000	1.25	80,545
179 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc.	SF	26,300.100	95.00	2,498,509
180 High performance insulated precast concrete panel	SF	47,340.400	100.00	4,734,040
181 Large format exterior CMU veneer, including back-up, insulation, AVB, etc.	SF	19,725.300	80.00	1,578,024
184 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc.	SF	5,260.300	85.00	447,125
334 Allowance for equipment roof screen	SF	10,000.000	100.00	1,000,000
335 Allowance for miscellaneous exterior wall not listed above	SF	380,133.000	3.00	1,140,399
Exterior Walls			\$30.20/SF	\$11,478,642
B2020 Exterior Windows				
182 Curtain wall system	SF	19,725.300	125.00	2,465,662
183 Storefront / Window	SF	19,725.300	100.00	1,972,530
Exterior Windows			\$11.68/SF	\$4,438,192

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	380,133.000	3.50	1,330,466
Exterior Doors			\$3.50/SF	\$1,330,466
Exterior Enclosure			\$45.37/SF	\$17,247,300
B30 Roofing				
B3010 Roof Coverings				
143 Vegetated roofing	SF	30,000.000	45.00	1,350,000
246 PVC Membrane roofing, complete	SF	153,433.600	25.00	3,835,840
Roof Coverings			\$13.64/SF	\$5,185,840
B3020 Roof Openings				
247 Glazed aluminum skylight system	SF	6,387.000	110.00	702,570
Roof Openings			\$1.85/SF	\$702,570
Roofing			\$15.49/SF	\$5,888,410
C10 Interior Construction				
C1010 Partitions				
161 Gypsum board partitions; Corridor wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	99,514.300	15.00	1,492,715
178 CMU Partition	SF	49,409.800	25.00	1,235,245
185 Gypsum board partition	SF	217,666.300	10.00	2,176,663
248 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	380,133.000	16.00	6,082,128
Partitions			\$28.90/SF	\$10,986,751
C1020 Interior Doors				
249 Allowance for interior doors	SF	380,133.000	6.50	2,470,865
Interior Doors			\$6.50/SF	\$2,470,865
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	380,133.000	8.75	3,326,164
Fittings			\$8.75/SF	\$3,326,164
Interior Construction			\$44.15/SF	\$16,783,780
C20 Stairs				
C2010 Stair Construction				
251 Allowance for interior stairs	SF	380,133.000	2.50	950,333
Stair Construction			\$2.50/SF	\$950,333

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C2020 Stair Finishes				
100 Floor finish to Student Commons Stair, assumes precast terrazzo treads and risers	SF	2,777.500	45.00	124,987
105 Floor finish to Egress Stair, assumes rubber treads and risers	SF	5,749.000	20.00	114,980
252 Allowance for stair finishes	SF	380,133.000		Incl.
Stair Finishes			\$0.63/SF	\$239,967
Stairs			\$3.13/SF	\$1,190,300
C30 Interior Finishes				
C3010 Wall Finishes				
144 Wall finish to Lobby / Cafeteria, assumes 50% wood paneling to 4'-0" high	SF	1,740.800	65.00	113,152
145 Wall finish to Lobby / Cafeteria, assumes 50% large format porcelain to 4'-0" high	SF	1,740.800	25.00	43,520
146 Wall finish to Auditorium, assumes wood paneling to 13'-0" high	SF	7,972.200	65.00	518,193
147 Wall finish to Gymnasium, assumes acoustical fiber panel to 4'-0" high	SF	2,877.000	50.00	143,850
148 Wall finish to Gymnasium, assumes 50% gym pad to 6'-0" high	SF	2,157.700	15.00	32,366
149 Wall finish to Library / Media Center, assumes 50% wood paneling to 10'-0" high	SF	3,670.200	65.00	238,563
150 Wall finish to Library / Media Center, assumes 50% fabric wrapped acoustical fiber to 10'-0" high	SF	3,670.200	45.00	165,159
153 Wall finish to Cosmetology Salon, assumes 50% wood paneling to 10'-0" high	SF	1,657.500	50.00	82,875
154 Wall finish to Cosmetology Salon, assumes 50% porcelain tile to 10'-0" high	SF	1,657.500	20.00	33,150
155 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	35,541.000	18.00	639,738
156 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	3,162.900	18.00	56,932
157 Wall finish to Kitchen, assumes 50% FRP to 10'-0" high	SF	1,657.700	25.00	41,443
159 Epoxy paint finish to CMU partitions	SF	44,468.900	2.00	88,938
160 Paint finish to GWB partitions	SF	243,920.400	1.25	304,901
253 Allowance for miscellaneous wall finishes now listed above	SF	380,133.000	5.00	1,900,665
Wall Finishes			\$11.58/SF	\$4,403,445

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C3020 Floor Finishes				
83 Moisture mitigation system - not required	SF	151,110.300		Excl.
85 Floor finish to Corridor, assumes rubber tile 4mm	SF	62,988.800	12.00	755,866
84 Floor finish to Lobby, assumes epoxy terrazzo	SF	3,572.100	35.00	125,024
86 Floor finish to Classroom (Lower Level), assumes linoleum tile	SF	13,756.400	7.00	96,295
111 Floor finish to Classroom (Upper Level), assumes cushioned acoustical tile	SF	41,377.600	8.50	351,710
112 Floor finish to Science Lab, assumes sheet vinyl with integral base	SF	15,036.000	10.00	150,360
87 Floor finish to Administrative Area, assumes carpet	SY	1,132.200	50.00	56,610
88 Floor finish to Toilet, assumes ceramic mosaic tile	SF	5,995.300	18.00	107,916
89 Floor finish to Vocational Shop (Lower Level), assumes epoxy sealer	SF	72,264.800	2.25	162,596
90 Floor finish to Vocational Shop (Upper Level), assumes linoleum tile	SF	44,837.200	6.50	291,442
93 Floor finish to Gymnasium, assumes athletic performance wood floor	SF	14,962.800	20.00	299,256
91 Floor finish to Locker Room, assumes 50% ceramic mosaic tile	SF	3,808.300	18.00	68,550
94 Floor finish to Locker Room, assumes 50% poured epoxy floor	SF	3,808.300	12.00	45,699
92 Floor finish to Auditorium isles, assumes 20% of Auditorium area, assumes carpet	SY	203.100	55.00	11,171
95 Floor finish to Auditorium seating areas, assumes 80% of Auditorium area, assumes epoxy sealer	SF	7,304.300	2.25	16,435
97 Floor finish to Auditorium Stage, assumes wood sprung floor with replaceable plywood surface painted black	SF	2,808.900	25.00	70,222
98 Floor finish to Auditorium BOH / Dressing, assumes epoxy sealer	SF	609.200	2.25	1,371
99 Floor finish to Cafeteria / Student Commons, assumes porcelain tile	SF	12,571.100	20.00	251,422
101 Floor finish to Kitchen / Culinary Arts Kitchen, assumes poured epoxy floor	SF	5,836.300	14.00	81,708
103 Floor finish to Cosmetology Salon, assumes porcelain tile	SF	5,836.400	20.00	116,728
104 Floor finish to Library / Media Center, assumes carpet	SY	972.000	55.00	53,460
106 Floor finish to MEP areas, assumes poured epoxy floor	SF	4,028.400	14.00	56,398

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
107 Floor finish to BOH areas, assumes poured epoxy floor	SF	9,523.400	14.00	133,328
114 Wall base to Corridor, assumes resilient	LF	7,108.300	5.00	35,542
115 Wall base to Lobby, assumes epoxy terrazzo	LF	266.700		Incl.
116 Wall base to Classroom, assumes resilient	LF	7,898.100	5.00	39,491
119 Wall base to Administrative Area, assumes resilient	LF	1,014.200	5.00	5,071
120 Wall base to Toilet, assumes ceramic mosaic tile	LF	790.700	18.00	14,233
123 Wall base to Vocational Shop, assumes resilient	LF	5,919.900	5.00	29,600
124 Wall base to Gymnasium, assumes vented rubber base	LF	719.400	10.00	7,194
125 Wall base to Locker Room, assumes 50% ceramic mosaic tile	LF	248.100	18.00	4,466
126 Wall base to Locker Room, assumes 50% resilient	LF	248.100	5.00	1,240
128 Wall base to Auditorium, assumes resilient	LF	490.800	5.00	2,454
131 Wall base to Auditorium BOH / Dressing, assumes resilient	LF	103.300	5.00	517
132 Wall base to Cafeteria / Student Commons, assumes porcelain tile	LF	603.900	20.00	12,078
133 Wall base to Kitchen / Culinary Arts Kitchen, assumes resilient	LF	331.600	5.00	1,658
135 Wall base to Cosmetology Salon, assumes porcelain tile	LF	331.600	50.00	16,580
136 Wall base to Library / Media Center, assumes resilient	LF	734.100	5.00	3,670
138 Wall base to MEP areas, assumes resilient	LF	785.800	5.00	3,929
139 Wall base to BOH areas, assumes resilient	LF	1,554.500	5.00	7,772
Floor Finishes			\$9.18/SF	\$3,489,062
C3030 Ceiling Finishes				
56 Ceiling finish to Corridor / Lobby, assumes ACT	SF	66,561.000	5.00	332,805
77 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	12,955.100	16.00	207,282
57 Ceiling finish to Classroom / Science Lab, assumes ACT high NRC	SF	70,169.200	10.00	701,692
58 Ceiling finish to Administrative Area, assumes ACT high NRC	SF	10,187.300	10.00	101,873
59 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	5,995.200	17.00	101,918
60 Ceiling finish to Vocational Shop (Main Level), assumes paint finish to exposed structure	SF	10,466.200	1.50	15,699

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
62 Ceiling finish to Vocational Shop (Main Level w/ Acoustical Requirement), assumes (2) layers of GWB on hat channels, on suspended metal stud, 6" acoustical insulation (acoustically separate from the learning spaces above)	SF	61,798.600	20.00	1,235,972
63 Ceiling finish to Vocational (Upper Level), assumes ACT high NRC	SF	44,836.900	10.00	448,369
64 Ceiling finish to Gymnasium, assumes paint finish to exposed structure with structural metal cellular acoustical deck	SF	14,962.800	2.50	37,407
65 Ceiling finish to Locker Room, assumes painted moisture resistant GWB	SF	7,616.300	17.00	129,478
66 Ceiling finish to Auditorium, assumes paint finish to exposed structure	SF	9,130.400	1.50	13,696
67 Ceiling finish to Auditorium, assumes 50% suspended acoustical ceiling clouds premium	SF	4,565.200	9.00	41,087
68 Ceiling finish to Auditorium Stage, assumes paint finish to exposed structure	SF	2,808.900	1.50	4,214
72 Ceiling finish to Auditorium BOH / Dressing, assumes paint finish to exposed structure	SF	609.200	2.50	1,523
69 Ceiling finish to Cafeteria / Student Commons, assumes 50% premium ACT	SF	6,285.800	6.50	40,857
70 Ceiling finish to Cafeteria / Student Commons, assumes 50% specialty metal ceiling system (imitating wood grain)	SF	6,285.800	65.00	408,577
71 Ceiling finish to Kitchen / Culinary Arts Kitchen, assumes ACT washable	SF	5,836.300	6.00	35,018
74 Ceiling finish to Cosmetology Salon, assumes specialty metal ceiling system with ACT suspended grid	SF	5,836.400	45.00	262,638
75 Ceiling finish to Library / Media Center, assumes premium ACT	SF	8,747.200	6.00	52,483
76 Ceiling finish to Library / Media Center, assumes 10% GWB soffits	SF	874.900	20.00	17,498
78 Ceiling finish to MEP areas, assumes paint finish to exposed structure	SF	4,028.400	1.50	6,043
79 Ceiling finish to BOH areas, assumes paint finish to exposed structure	SF	9,523.400	1.50	14,285
254 Allowance for miscellaneous ceiling finish not listed above	SF	380,133.000	1.00	380,133
Ceiling Finishes			\$12.08/SF	\$4,590,547
Interior Finishes			\$32.84/SF	\$12,483,054

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D10 Conveying				
D1010 Elevators & Lifts				
259 Passenger elevators - 5 stops	EA	2.000	300,000.00	600,000
Elevators & Lifts			\$1.58/SF	\$600,000
Conveying			\$1.58/SF	\$600,000
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	380,133.000	3.00	1,140,399
Plumbing Fixtures			\$3.00/SF	\$1,140,399
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	380,133.000	5.00	1,900,665
Domestic Water Distribution			\$5.00/SF	\$1,900,665
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	380,133.000	3.00	1,140,399
Sanitary Waste			\$3.00/SF	\$1,140,399
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	380,133.000	2.00	760,266
Rain Water Drainage			\$2.00/SF	\$760,266
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	380,133.000	5.00	1,900,665
Other Plumbing Systems			\$5.00/SF	\$1,900,665
Plumbing			\$18.00/SF	\$6,842,394
D30 HVAC				
D3020 Heat Generating Systems				
277 Gas fired hot water boiler, 4,250 MBH	EA	4.000	106,000.00	424,000
278 Hot water pumps, 200 GPM	EA	4.000	2,250.00	9,000
293 Secondary hot water pump, 300 GPM	EA	3.000	3,500.00	10,500
279 Glycol make-up	EA	3.600	7,500.00	27,000
280 Expansion tanks	EA	4.000	3,500.00	14,000
281 Air separators	EA	3.600	2,500.00	9,000
282 VFD	EA	7.000	4,000.00	28,000
283 Pump hook-ups	EA	7.000	1,250.00	8,750
Heat Generating Systems			\$1.39/SF	\$530,250
D3030 Cooling Generating Systems				
289 VRF's including condenser allowances	T	375.00000	5,000.00	1,875,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
290 VRF unit hook-ups	EA	14.000	1,000.00	14,000
291 Allowance for refrigerant, piping, etc.	SF	380,133.000	3.00	1,140,399
294 Primary chilled pump, 360 GPM	EA	3.000	8,000.00	24,000
295 Secondary chilled pump, 300 GPM	EA	3.000	6,500.00	19,500
296 Pump hook-ups	EA	6.000	1,250.00	7,500
297 VFD	EA	6.000	4,000.00	24,000
298 Air separators	EA	1.000	2,500.00	2,500
Cooling Generating Systems			\$8.17/SF	\$3,106,899
D3040 Distribution Systems				
288 Heating and ventilating units	CFM	102,050.000	7.00	714,350
299 Allowance for ductworking, hot water piping, chilled water piping, grilles, returns, hoods, fans, attenuation, etc.	SF	380,133.000	25.00	9,503,325
Distribution Systems			\$26.88/SF	\$10,217,675
D3050 Terminal & Package Units				
284 Dedicated outside air units	CFM	74,400.000	31.50	2,343,600
285 Single zone Rooftop AHU's	CFM	30,500.000	10.00	305,000
286 Multiple zone Rooftop AHU's	CFM	23,600.000	15.00	354,000
287 Energy recovery ventilator	CFM	5,200.000	16.50	85,800
292 Air-cooled heat pumps, 100 ton	EA	3.000	140,000.00	420,000
Terminal & Package Units			\$9.23/SF	\$3,508,400
D3060 Controls & Instrumentations				
300 Allowance for controls system	SF	380,133.000	7.00	2,660,931
Controls & Instrumentations			\$7.00/SF	\$2,660,931
D3070 Systems Testing & Balancing				
301 Testing and balancing	SF	380,133.000	0.60	228,080
Systems Testing & Balancing			\$0.60/SF	\$228,080
D3090 Other HVAC Systems & Equipment				
302 Allowance for rigging, temporary heating, commissioning, co-ordination, as-builts, etc.	SF	380,133.000	4.50	1,710,599
Other HVAC Systems & Equipment			\$4.50/SF	\$1,710,599
HVAC			\$57.78/SF	\$21,962,834
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	380,133.000	5.50	2,090,732
Sprinklers			\$5.50/SF	\$2,090,732
Fire Protection			\$5.50/SF	\$2,090,732

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D50 Electrical				
D5010 Electrical Service & Distribution				
318 Main switchboard, 6,000A/480/277V/3Ph-4W	EA	1.000	325,000.00	325,000
319 Allowance for panelboards, transformers, feeders, ATS, mechanical connections, etc.	SF	380,133.000	5.00	1,900,665
320 Emergency Power: Diesel fueled generator, 600kW, including sound attenuated enclosure	EA	1.000	290,000.00	290,000
Electrical Service & Distribution			\$6.62/SF	\$2,515,665
D5020 Lighting and Branch Wiring				
321 Allowance for light fixtures including wiring and controls	SF	380,133.000	15.00	5,701,995
322 Allowance for secondary branch power including receptacles, junction boxes, wiring, etc.	SF	380,133.000	7.50	2,850,998
Lighting and Branch Wiring			\$22.50/SF	\$8,552,993
D5030 Communications & Security				
305 Tel/Data cabling system (per 3Si)	LS	1.000	1,739,625.00	1,739,625
306 Audio visual cabling (per 3Si)	LS	1.000	104,000.00	104,000
307 IPTV and video on demand system (per 3Si)	LS	1.000	360,000.00	360,000
308 Large venue audio/visual system (per 3Si)	LS	1.000	455,000.00	455,000
309 Classroom speech reinforcement systems	LS	1.000	244,200.00	244,200
310 Instructional audio/visual systems	LS	1.000	650,000.00	650,000
311 Public address system	LS	1.000	218,200.00	218,200
312 Clock system	LS	1.000	126,300.00	126,300
313 Integrated electronic security system (per 3Si)	LS	1.000	1,297,200.00	1,297,200
314 Allowance for security rough-ins	SF	380,133.000	0.25	95,033
315 Allowance for fire alarm systems	SF	380,133.000	2.50	950,333
316 Allowance for communication system rough-ins	SF	380,133.000	0.25	95,033
Communications & Security			\$16.67/SF	\$6,334,924
D5090 Other Electrical Systems				
323 Allowance for lightning protection	SF	380,133.000	0.50	190,067
324 Allowance for testing, commissioning, temporary lighting, as-buits, etc.	SF	380,133.000	2.00	760,266
325 PV system - by Others	LS	1.000		Excl.
Other Electrical Systems			\$2.50/SF	\$950,333
Electrical			\$48.28/SF	\$18,353,915

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A1 Main Building (continued)

GFA: 380,133 SF Cost/SF: \$356.04

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
E10 Equipment				
E1010 Commercial Equipment				
260 Food service equipment (per TDA)	LS	1.000	825,000.00	825,000
Commercial Equipment			\$2.17/SF	\$825,000
E1090 Other Equipment				
262 Basketball bacstops	LS	1.000	27,000.00	27,000
263 Stage Curtains and Rigging - Powered rigging (per TDA)	LS	1.000	650,000.00	650,000
264 Divider curtains (per TDA)	LS	1.000	32,000.00	32,000
265 Gym wall padding (per TDA)	LS	1.000	25,000.00	25,000
267 Automotive Refinishing - Booths/Frame machine (per TDA)	LS	1.000	325,000.00	325,000
268 Automotive Tech - Lifts (per TDA)	LS	1.000	160,000.00	160,000
269 HVAC/plumbing - Boiler/Furnace/Split Systems (per TDA)	LS	1.000	65,000.00	65,000
Other Equipment			\$3.38/SF	\$1,284,000
Equipment			\$5.55/SF	\$2,109,000
E20 Furnishings				
E2010 Fixed Furnishings				
261 Fixed casework and equipment (per TDA)	LS	1.000	1,225,000.00	1,225,000
266 Telescoping bleachers (per TDA)	LS	1.000	215,000.00	215,000
270 Cosmetology - Wet Stations/Manicure/Styling	LS	1.000	110,000.00	110,000
Fixed Furnishings			\$4.08/SF	\$1,550,000
Furnishings			\$4.08/SF	\$1,550,000
MAIN BUILDING			\$356.04/SF	\$135,343,432

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A2 Maintenance Building

GFA: 2,520 SF Cost/SF: \$334.99

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	214.035	90.00	19,263
191 Allowance for isolated footing	SF	2,520.061	3.50	8,820
192 Air and vapor barrier	SF	642.016	0.30	193
193 Rigid insulation, 2" thick	SF	642.016	3.00	1,926
195 Perimeter foundation walls - allow 12" thick	SF	642.016	55.00	35,311
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	2,520.002	0.55	1,386
Standard Foundations			\$26.55/SF	\$66,899
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	2,520.002	0.75	1,890
163 Granular fill below slab on grade, re-use excavated materials	CY	280.004	10.00	2,800
164 Air and vapor barrier	SF	2,520.002	0.25	630
165 Rigid insulation, 2" thick	SF	2,520.002	3.25	8,190
166 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 6" thick	SF	2,520.003	10.00	25,200
Slab on Grade			\$15.36/SF	\$38,710
Foundations			\$41.91/SF	\$105,609
B20 Exterior Enclosure				
B2010 Exterior Walls				
187 Exterior wall to Maintenance Garage, assumes 19'-0" high	SF	4,065.800	50.00	203,290
188 Paint finish to interior face of exterior wall (Maintenance Garage)	SF	3,851.500	1.25	4,815
Exterior Walls			\$82.58/SF	\$208,105
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	2,520.000	3.50	8,820
Exterior Doors			\$3.50/SF	\$8,820
Exterior Enclosure			\$86.08/SF	\$216,925

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A2 Maintenance Building (continued)

GFA: 2,520 SF Cost/SF: \$334.99

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C10 Interior Construction				
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	2,520.000	8.75	22,050
Fittings			\$8.75/SF	\$22,050
Interior Construction			\$8.75/SF	\$22,050
C30 Interior Finishes				
C3010 Wall Finishes				
253 Allowance for miscellaneous wall finishes now listed above	SF	2,520.000	5.00	12,600
Wall Finishes			\$5.00/SF	\$12,600
C3020 Floor Finishes				
109 Floor finish to Maintenance Garage, assumes concrete selaer	SF	2,520.100	2.25	5,670
Floor Finishes			\$2.25/SF	\$5,670
C3030 Ceiling Finishes				
81 Ceiling finish to Maintenance Garage, assumes paint finish to exposed structure	SF	2,520.100	1.50	3,780
254 Allowance for miscellaneous ceiling finish mot listed above	SF	2,520.000	1.00	2,520
Ceiling Finishes			\$2.50/SF	\$6,300
Interior Finishes			\$9.75/SF	\$24,570
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	2,520.000	3.00	7,560
Plumbing Fixtures			\$3.00/SF	\$7,560
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	2,520.000	5.00	12,600
Domestic Water Distribution			\$5.00/SF	\$12,600
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	2,520.000	3.00	7,560
Sanitary Waste			\$3.00/SF	\$7,560
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	2,520.000	2.00	5,040
Rain Water Drainage			\$2.00/SF	\$5,040

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A2 Maintenance Building (continued)

GFA: 2,520 SF Cost/SF: \$334.99

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	2,520.000	5.00	12,600
Other Plumbing Systems			\$5.00/SF	\$12,600
Plumbing			\$18.00/SF	\$45,360
D30 HVAC				
D3090 Other HVAC Systems & Equipment				
304 Allowance for HVAC system to support building - Maintenance/Tickets	SF	2,520.000	35.00	88,200
Other HVAC Systems & Equipment			\$35.00/SF	\$88,200
HVAC			\$35.00/SF	\$88,200
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	2,520.000	5.50	13,860
Sprinklers			\$5.50/SF	\$13,860
Fire Protection			\$5.50/SF	\$13,860
D50 Electrical				
D5090 Other Electrical Systems				
326 Allowance for electrical systems to support buildings	SF	2,520.000	30.00	75,600
Other Electrical Systems			\$30.00/SF	\$75,600
Electrical			\$30.00/SF	\$75,600
F10 Special Construction				
F1030 Special Construction Systems				
200 Allowance for pre-engineered structures	SF	2,520.000	100.00	252,000
Special Construction Systems			\$100.00/SF	\$252,000
Special Construction			\$100.00/SF	\$252,000
MAINTENANCE BUILDING			\$334.99/SF	\$844,174

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A3 Ticket Office/Concessions

GFA: 1,600 SF Cost/SF: \$370.15

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	209.535	90.00	18,858
191 Allowance for isolated footing	SF	1,600.039	3.50	5,600
192 Air and vapor barrier	SF	628.515	0.30	189
193 Rigid insulation, 2" thick	SF	628.515	3.00	1,886
195 Perimeter foundation walls - allow 12" thick	SF	628.515	55.00	34,568
244 Allowance for foundation backfill	SF	1,600.002	0.55	880
Standard Foundations			\$38.74/SF	\$61,981
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	1,600.002	0.75	1,200
163 Granular fill below slab on grade, re-use excavated materials	CY	177.780	10.00	1,778
164 Air and vapor barrier	SF	1,600.002	0.25	400
165 Rigid insulation, 2" thick	SF	1,600.002	3.25	5,200
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	1,600.001	8.00	12,800
Slab on Grade			\$13.36/SF	\$21,378
Foundations			\$52.10/SF	\$83,359
B20 Exterior Enclosure				
B2010 Exterior Walls				
255 Exterior wall to Ticket Office, assumes 17'-0" high	SF	3,561.600	50.00	178,080
Exterior Walls			\$111.30/SF	\$178,080
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	1,600.000	3.50	5,600
Exterior Doors			\$3.50/SF	\$5,600
Exterior Enclosure			\$114.80/SF	\$183,680

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A3 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$370.15

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C10 Interior Construction				
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	1,600.000	8.75	14,000
Fittings			\$8.75/SF	\$14,000
Interior Construction			\$8.75/SF	\$14,000
C30 Interior Finishes				
C3010 Wall Finishes				
253 Allowance for miscellaneous wall finishes now listed above	SF	1,600.000	5.00	8,000
Wall Finishes			\$5.00/SF	\$8,000
C3030 Ceiling Finishes				
254 Allowance for miscellaneous ceiling finish not listed above	SF	1,600.000	1.00	1,600
Ceiling Finishes			\$1.00/SF	\$1,600
Interior Finishes			\$6.00/SF	\$9,600
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	1,600.000	3.00	4,800
Plumbing Fixtures			\$3.00/SF	\$4,800
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	1,600.000	5.00	8,000
Domestic Water Distribution			\$5.00/SF	\$8,000
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	1,600.000	3.00	4,800
Sanitary Waste			\$3.00/SF	\$4,800
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	1,600.000	2.00	3,200
Rain Water Drainage			\$2.00/SF	\$3,200
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such as gas piping, coordination, etc.	SF	1,600.000	5.00	8,000
Other Plumbing Systems			\$5.00/SF	\$8,000
Plumbing			\$18.00/SF	\$28,800

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1A BUILDING

C1A3 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$370.15

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D30 HVAC				
D3090 Other HVAC Systems & Equipment				
304 Allowance for HVAC system to support building - Maintenance/Tickets	SF	1,600.000	35.00	56,000
Other HVAC Systems & Equipment			\$35.00/SF	\$56,000
HVAC			\$35.00/SF	\$56,000
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	1,600.000	5.50	8,800
Sprinklers			\$5.50/SF	\$8,800
Fire Protection			\$5.50/SF	\$8,800
D50 Electrical				
D5090 Other Electrical Systems				
326 Allowance for electrical systems to support buildings	SF	1,600.000	30.00	48,000
Other Electrical Systems			\$30.00/SF	\$48,000
Electrical			\$30.00/SF	\$48,000
F10 Special Construction				
F1030 Special Construction Systems				
200 Allowance for pre-engineered structures	SF	1,600.000	100.00	160,000
Special Construction Systems			\$100.00/SF	\$160,000
Special Construction			\$100.00/SF	\$160,000
TICKET OFFICE/CONCESSIONS			\$370.15/SF	\$592,239

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1S SITEWORK

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F20 Selective Building Demolition				
F2010 Building Elements Demolition				
317 Demolish existing school building	SF	239,144.00	6.00	1,434,864
Building Elements Demolition				\$1,434,864
F2020 Hazardous Components Abatement				
201 Allowance for hazardous materials abatement	LS	1.00	1,919,675.00	1,919,675
Hazardous Components Abatement				\$1,919,675
Selective Building Demolition				\$3,354,539
G10 Site Preparation				
G1010 Site Clearing				
15 Allowance for site clearing	Acre	29.830	1,500.00	44,745
203 Construction fence	LF	4,738.90	15.00	71,084
204 Construction entrance	EA	2.00	7,500.00	15,000
205 Mobilization	LS	1.00	65,000.00	65,000
207 Submittals, as-builts, layouts, etc.	LS	1.00	40,000.00	40,000
209 Erosion controls including maintenance	SF	1,299,041.00	0.15	194,857
Site Clearing				\$430,686
G1020 Site Demolition and Relocations				
1 Break-out existing pavement	SF	249,069.50	1.00	249,069
2 Break-out existing walkways	SF	38,452.90	1.00	38,453
3 Remove existing curbs	LF	4,232.70	5.00	21,163
4 Break-out existing athletic pavement (tracks, long-jump, etc.)	SF	41,394.00	0.75	31,045
5 Remove existing bleachers	SF	7,578.10	3.00	22,735
6 Remove existing site support structures (shed, etc.)	SF	6,223.60	2.00	12,447
7 Remove existing fence	LF	4,922.10	10.00	49,221
8 Break-out existing concrete pads	SF	5,070.00	3.00	15,210
9 Remove existing metal guardrail	LF	1,024.60	15.00	15,369
10 Remove existing light posts	EA	16.00	300.00	4,800
11 Remove existing play equipment	LS	1.00	1,500.00	1,500
12 Remove existing benches	EA	4.00	150.00	600
13 Remove existing trees	EA	70.00	700.00	49,000
327 Sawcut and break-out existing roadway due to utility construction	SF	5,805.70	15.75	91,440
14 Allowance for miscellaneous demolition not listed above	SF	1,167,154.80	0.50	583,577
Site Demolition and Relocations				\$1,185,629

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1S SITEWORK (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G1030 Site Earthwork				
210 Cut to proposed level - allow rock excavation	CY	30,031.10	60.00	1,801,866
211 Fill to proposed level, re-use excavated materials	CY	28,109.20	10.00	281,092
331 Fill to proposed level	CY	84,327.20	25.00	2,108,180
212 Allowance for fine grading	SF	1,299,041.00	0.15	194,857
213 Allowance for minor dewatering	LS	1.00	15,000.00	15,000
214 Allowance for dust control	LS	1.00	35,000.00	35,000
Site Earthwork				\$4,435,995
Site Preparation				\$6,052,310
G20 Site Improvements				
G2010 Roadways				
216 Prepare and compact subbase	SF	189,708.50	0.35	66,398
217 Compacted gravel base, allow 12" thick	CY	7,026.30	40.00	281,052
218 Asphalt roadway including binder and top course, allow 4" overall thickness	SY	20,433.90	40.00	817,356
328 Re-paved existing roadway due to utilities construction	SY	645.40	50.00	32,270
16 Granite curbs	LF	13,014.40	55.00	715,792
19 Pavement markings; line painting	LF	1,126.60	3.00	3,380
219 Pavement markings; allowance for additional markings	SF	183,902.80	0.15	27,585
330 Allowance for crossing intersection improvements including traffic lights, wiring, etc.	LS	1.00	1,500,000.00	1,500,000
Roadways				\$3,443,833
G2020 Parking Lots				
220 Prepare and compact subbase	SF	146,166.90	0.35	51,158
221 Compacted gravel base, allow 12" thick	CY	5,413.60	40.00	216,544
222 Asphalt roadway including binder and top course, allow 4" overall thickness	SY	16,240.80	40.00	649,632
17 Granite curbs	LF	5,307.40	55.00	291,907
18 Pavement markings; line painting	LF	6,876.20	3.00	20,629
223 Pavement markings; allowance for additional markings	SF	146,166.90	0.15	21,925
Parking Lots				\$1,251,795
G2030 Pedestrian Paving				
224 Prepare and compact subbase	SF	14,475.70	0.35	5,066
225 Compacted gravel base, allow 8" thick	CY	357.50	40.00	14,300
226 Concrete walkway including forming, WWF reinforcement, finish, etc. - allow 4" thick	SF	13,028.10	7.00	91,197

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1S SITEWORK (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
227 Allowance for decorative pavers	SF	1,447.60	30.00	43,428
Pedestrian Paving				\$153,991
G2040 Site Development				
29 Retaining walls	LF	1,111.20	250.00	277,800
228 Allowance for miscellaneous site development not listed above	LS	1.00	500,000.00	500,000
Site Development				\$777,800
G2045 Athletic, Recreational, and Playfield Areas				
229 Prepare and compact subbase	SF	347,014.90	0.35	121,455
230 Granular bedding to athletic fields, allow 12" thick	CY	7,990.20	40.00	319,608
22 Running track surface	SF	35,678.00	15.00	535,170
23 Synthetic turf	SF	157,123.00	10.00	1,571,230
24 Seeding to baseball & softball fields including bedding, allow 8" thick	SF	131,285.10	1.75	229,749
25 Baseball & Softball athletic fields	SF	22,929.30	2.00	45,859
26 Long jump	SF	1,048.00	10.00	10,480
27 Seeding to football / soccer fields including bedding, allow 8" thick	SF	39,140.70	1.75	68,497
34 Soccer & Softball scoreboard	EA	1.00	30,000.00	30,000
35 Baseball & Softball backstops	LF	204.10	250.00	51,025
36 Baseball & Softball perimeter fencing	LF	662.80	40.00	26,512
37 Bleacher structure spectator seating including pressbox, 954 seating capacity	LS	1.00	1,400,000.00	1,400,000
39 Soccer goal	EA	2.00	2,500.00	5,000
231 Irrigation to athletic fields	SF	170,425.50	2.00	340,851
Athletic, Recreational, and Playfield Areas				\$4,755,436
G2050 Landscaping				
20 Trees	EA	119.00	1,000.00	119,000
21 Seeding lawn including bedding, allow 8" thick	SF	253,105.70	1.75	442,935
232 Allowance for additional plantings not listed above	LS	1.00	300,000.00	300,000
233 Allowance for lawn irrigation	SF	253,105.70	2.00	506,211
Landscaping				\$1,368,146
Site Improvements				\$11,751,001
G30 Site Mechanical Utilities				
G3010 Water Supply				
234 Connect to existing mains	LS	1.00	10,000.00	10,000
52 Hydrant	EA	12.00	4,500.00	54,000
51 CLDI pipe, 8"	LF	3,308.40	100.00	330,840

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C1 OPTION C1 - 1,600 STUDENTS

C1S SITEWORK (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
53 Water mains, DI pipe, 16"	LF	1,990.00	200.00	398,000
235 Excavation and backfill	LF	5,298.30	25.00	132,458
Water Supply				\$925,298
G3020 Sanitary Water				
236 Connect to existing mains	LS	1.00	5,000.00	5,000
47 Precast concrete grease trap, 10,000 gal.	EA	1.00	25,000.00	25,000
48 Manholes	EA	5.00	3,500.00	17,500
49 PVC pipe, 6"	LF	848.70	60.00	50,922
50 Clean and re-align existing sewer pipe	LF	680.70	50.00	34,035
237 Excavation and backfill	LF	848.80	25.00	21,220
Sanitary Water				\$153,677
G3030 Storm Sewer				
40 Catch basins	EA	40.00	3,000.00	120,000
41 Area drains	EA	10.00	500.00	5,000
42 Manholes	EA	30.00	5,000.00	150,000
43 Water quality inlets	EA	6.00	35,000.00	210,000
44 HDPE pipe, 12"	LF	2,720.60	55.00	149,633
45 HDPE pipe, 24"	LF	1,330.80	100.00	133,080
46 Subsurface infiltration system	SF	45,000.00	40.00	1,800,000
238 Excavation and backfill	LF	4,051.00	25.00	101,275
Storm Sewer				\$2,668,988
G3090 Other Site Mechanical Utilities				
239 Allowance for miscellaneous site mechanical utilities not listed above	LS	1.00	200,000.00	200,000
Other Site Mechanical Utilities				\$200,000
Site Mechanical Utilities				\$3,947,963
G40 Site Electrical Utilities				
G4010 Electrical Distribution				
240 Allowance for miscellaneous site electrical distribution system including pull boxes, manholes, ductbank, etc.	SF	1,299,041.00	0.10	129,904
Electrical Distribution				\$129,904
G4020 Site Lighting				
32 Athletic field lighting poles including wiring to football and baseball fields, etc.	EA	7.00	225,000.00	1,575,000
241 Allowance for miscellaneous site lighting including bollards, poles, etc.	SF	1,299,041.00	0.35	454,665
Site Lighting				\$2,029,665

Preferred Schematic Report - New Construction - Revision 3

C1 OPTION C1 - 1,600 STUDENTS

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G4030 Site Communications & Security				
242 Allowance for miscellaneous site communication system such handholes, ductbank, etc.	SF	1,299,041.00	0.50	649,520
Site Communications & Security				\$649,520
Site Electrical Utilities				\$2,809,089
SITework				\$27,914,902

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
C2 OPTION C2 - 1,600 STUDENTS			
C2A BUILDING			
C2A1 Main Building	382,653	349.73	133,825,874
C2A2 Ticket Office/Concessions	1,600	366.66	586,653
<i>C2A - BUILDING</i>	<i>384,253</i>	<i>\$349.80</i>	<i>\$134,412,527</i>
C2S SITEWORK			27,037,376
C2 - OPTION C2 - 1,600 STUDENTS	384,253	\$420.17	\$161,449,903
ESTIMATED NET COST	384,253	\$420.17	\$161,449,903
MARGINS & ADJUSTMENTS			
Phasing / Temporary Works	4.0 %		\$6,457,996
Sub-contractor Bonds	1.3 %		\$2,260,299
General Requirements	2.4 %		\$4,036,247
General Conditions	5.6 %		\$9,686,994
Builder's Risk	0.4 %		\$735,566
GLPD	0.8 %		\$1,403,166
Bonds	0.6 %		\$1,116,181
Permits - by Owner			Excl.
CM Fee	2.5 %		\$4,678,659
Design / Estimating Contingency	12.5 %		\$23,978,126
GMP Contingency	2.0 %		\$4,316,063
ESTIMATED TOTAL COST BEFORE ESCALATION	384,253	\$572.85	\$220,119,200
Escalation Allowance up to mid-point of Construction	7.5 %		\$16,508,940
ESTIMATED TOTAL COST	384,253	\$615.81	\$236,628,140

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	10.01/SF	3,832,065
A1020 Special Foundations		Excl.
A1030 Slab on Grade	11.83/SF	4,525,221
Foundations	\$21.84/SF	\$8,357,286
A20 Basement Construction		
A2020 Basement Walls	2.68/SF	1,024,843
Basement Construction	\$2.68/SF	\$1,024,843
B10 Superstructure		
B1010 Floor Construction	26.55/SF	10,160,624
B1020 Roof Construction	21.34/SF	8,166,839
Superstructure	\$47.90/SF	\$18,327,463
B20 Exterior Enclosure		
B2010 Exterior Walls	27.65/SF	10,581,837
B2020 Exterior Windows	10.57/SF	4,043,250
B2030 Exterior Doors	3.50/SF	1,339,285
Exterior Enclosure	\$41.72/SF	\$15,964,372
B30 Roofing		
B3010 Roof Coverings	13.26/SF	5,072,608
B3020 Roof Openings	1.84/SF	702,570
Roofing	\$15.09/SF	\$5,775,178
C10 Interior Construction		
C1010 Partitions	28.51/SF	10,910,042
C1020 Interior Doors	6.50/SF	2,487,244
C1030 Fittings	8.75/SF	3,348,213
Interior Construction	\$43.76/SF	\$16,745,499
C20 Stairs		
C2010 Stair Construction	2.50/SF	956,632
C2020 Stair Finishes	0.76/SF	290,375
Stairs	\$3.26/SF	\$1,247,007
C30 Interior Finishes		
C3010 Wall Finishes	11.37/SF	4,352,140
C3020 Floor Finishes	9.93/SF	3,800,080

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Cost/SF	Total Cost
C3030 Ceiling Finishes	12.02/SF	4,598,704
Interior Finishes	\$33.32/SF	\$12,750,924
D10 Conveying		
D1010 Elevators & Lifts	1.25/SF	480,000
Conveying	\$1.25/SF	\$480,000
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	1,147,959
D2020 Domestic Water Distribution	5.00/SF	1,913,265
D2030 Sanitary Waste	3.00/SF	1,147,959
D2040 Rain Water Drainage	2.00/SF	765,306
D2090 Other Plumbing Systems	5.00/SF	1,913,265
Plumbing	\$18.00/SF	\$6,887,754
D30 HVAC		
D3020 Heat Generating Systems	1.39/SF	531,250
D3030 Cooling Generating Systems	8.14/SF	3,114,459
D3040 Distribution Systems	26.87/SF	10,280,675
D3050 Terminal & Package Units	9.17/SF	3,508,400
D3060 Controls & Instrumentations	7.00/SF	2,678,571
D3070 Systems Testing & Balancing	0.60/SF	229,592
D3090 Other HVAC Systems & Equipment	4.50/SF	1,721,938
HVAC	\$57.66/SF	\$22,064,885
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	2,104,591
Fire Protection	\$5.50/SF	\$2,104,591
D50 Electrical		
D5010 Electrical Service & Distribution	6.61/SF	2,528,265
D5020 Lighting and Branch Wiring	22.50/SF	8,609,692
D5030 Communications & Security	16.58/SF	6,342,483
D5090 Other Electrical Systems	2.50/SF	956,632
Electrical	\$48.18/SF	\$18,437,072
E10 Equipment		
E1010 Commercial Equipment	2.16/SF	825,000
E1090 Other Equipment	3.36/SF	1,284,000
Equipment	\$5.51/SF	\$2,109,000

Preferred Schematic Report - New Construction - Revision 3

C2 OPTION C2 - 1,600 STUDENTS

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Cost/SF	Total Cost
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E20 Furnishings

E2010 Fixed Furnishings

4.05/SF	1,550,000
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Furnishings	\$4.05/SF	\$1,550,000
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MAIN BUILDING	\$349.73/SF	\$133,825,874
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Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A2 Ticket Office/Concessions

GFA: 1,600 SF Cost/SF: \$366.66

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	35.24/SF	56,380
A1020 Special Foundations		Excl.
A1030 Slab on Grade	13.36/SF	21,378
Foundations	\$48.60/SF	\$77,758
B20 Exterior Enclosure		
B2010 Exterior Walls	111.30/SF	178,085
B2030 Exterior Doors	3.50/SF	5,600
Exterior Enclosure	\$114.80/SF	\$183,685
C10 Interior Construction		
C1030 Fittings	8.75/SF	14,000
Interior Construction	\$8.75/SF	\$14,000
C30 Interior Finishes		
C3010 Wall Finishes	5.00/SF	8,000
C3030 Ceiling Finishes	1.00/SF	1,600
Interior Finishes	\$6.00/SF	\$9,600
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	4,800
D2020 Domestic Water Distribution	5.00/SF	8,000
D2030 Sanitary Waste	3.00/SF	4,800
D2040 Rain Water Drainage	2.00/SF	3,200
D2090 Other Plumbing Systems	5.00/SF	8,000
Plumbing	\$18.00/SF	\$28,800
D30 HVAC		
D3090 Other HVAC Systems & Equipment	35.00/SF	56,000
HVAC	\$35.00/SF	\$56,000
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	8,800
Fire Protection	\$5.50/SF	\$8,800
D50 Electrical		
D5090 Other Electrical Systems	30.00/SF	48,000
Electrical	\$30.00/SF	\$48,000

Preferred Schematic Report - New Construction - Revision 3

C2 OPTION C2 - 1,600 STUDENTS

GFA: 1,600 SF Cost/SF: \$366.66

Rates Current At November 2020

Description		Cost/SF	Total Cost
F10	Special Construction		
F1030	Special Construction Systems	100.01/SF	160,010
	Special Construction	\$100.01/SF	\$160,010
	TICKET OFFICE/CONCESSIONS	\$366.66/SF	\$586,653

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C2 OPTION C2 - 1,600 STUDENTS

C2S SITEWORK

Rates Current At November 2020

Description		Cost/SF	Total Cost
F20 Selective Building Demolition			
F2010	Building Elements Demolition		1,434,864
F2020	Hazardous Components Abatement		1,919,675
Selective Building Demolition			\$3,354,539
G10 Site Preparation			
G1010	Site Clearing		402,323
G1020	Site Demolition and Relocations		1,090,284
G1030	Site Earthwork		5,724,540
Site Preparation			\$7,217,147
G20 Site Improvements			
G2010	Roadways		3,227,760
G2020	Parking Lots		1,018,030
G2030	Pedestrian Paving		178,839
G2040	Site Development		742,000
G2045	Athletic, Recreational, and Playfield Areas		3,932,013
G2050	Landscaping		1,228,842
Site Improvements			\$10,327,484
G30 Site Mechanical Utilities			
G3010	Water Supply		934,497
G3020	Sanitary Water		373,339
G3030	Storm Sewer		2,633,960
G3090	Other Site Mechanical Utilities		200,000
Site Mechanical Utilities			\$4,141,796
G40 Site Electrical Utilities			
G4010	Electrical Distribution		115,412
G4020	Site Lighting		1,303,940
G4030	Site Communications & Security		577,058
Site Electrical Utilities			\$1,996,410
SITEWORK			\$27,037,376

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Summary

Description	Cost/SF	Total Cost
MARGINS & ADJUSTMENTS		
Phasing / Temporary Works		\$6,457,996
Sub-contractor Bonds		\$2,260,299
General Requirements		\$4,036,247
General Conditions		\$9,686,994
Builder's Risk		\$735,566
GLPD		\$1,403,166
Bonds		\$1,116,181
Permits - by Owner		Excl.
CM Fee		\$4,678,659
Design / Estimating Contingency		\$23,978,126
GMP Contingency		\$4,316,063
ESTIMATED TOTAL COST BEFORE ESCALATION	\$572.85	\$220,119,200
Escalation Allowance up to mid-point of Construction		\$16,508,940
ESTIMATED TOTAL COST	\$615.81	\$236,628,140

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	2,082.774	90.00	187,450
190 Building retaining wall strip footing - allow 14' x 24" deep	LF	685.200	685.00	469,362
336 Allowance for isolated footing	SF	193,618.000	9.00	1,742,562
192 Air and vapor barrier	SF	22,747.890	0.30	6,823
193 Rigid insulation, 2" thick	SF	22,747.890	3.00	68,243
195 Perimeter foundation walls - allow 12" thick	SF	22,747.890	55.00	1,251,134
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	193,617.800	0.55	106,491
Standard Foundations			\$10.01/SF	\$3,832,065
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	193,617.800	0.75	145,214
163 Granular fill below slab on grade, re-use excavated materials	CY	21,513.221	10.00	215,131
164 Air and vapor barrier	SF	193,617.800	0.25	48,405
165 Rigid insulation, 2" thick	SF	193,617.800	3.25	629,258
166 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 6" thick	SF	77,069.800	10.00	770,698
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	116,548.001	8.00	932,384
329 Allowance for radon system	SF	193,618.100	1.25	242,023
332 Cut to proposed level, including disposal of unused spoils, etc. - allow rock excavation	CY	38,552.700	40.00	1,542,108
Slab on Grade			\$11.83/SF	\$4,525,221
Foundations			\$21.84/SF	\$8,357,286
A20 Basement Construction				
A2020 Basement Walls				
197 Building retaining walls - allow 18" thick	SF	11,646.000	70.00	815,220
198 Basement drainage boards	SF	11,645.700	8.00	93,166
199 Waterproofing to building retaining walls	SF	11,645.700	10.00	116,457
Basement Walls			\$2.68/SF	\$1,024,843
Basement Construction			\$2.68/SF	\$1,024,843

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
B10 Superstructure				
B1010 Floor Construction				
168 Metal floor deck, 3" thick	SF	189,034.900	5.00	945,175
169 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	189,034.900	15.00	2,835,524
170 Allowance structural steel framing including beams, columns, bracing, etc.	T	1,417.76100	4,500.00	6,379,925
Floor Construction			\$26.55/SF	\$10,160,624
B1020 Roof Construction				
171 Acoustical metal roof deck, 3" thick	SF	22,542.800	15.00	338,142
172 Metal roof deck, 3" thick	SF	169,561.800	5.00	847,809
173 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	6,000.000	15.00	90,000
174 Allowance structural steel framing including beams, columns, bracing, etc.	T	1,516.86400	4,500.00	6,825,888
175 Allowance for equipment dunnage	T	10.00000	6,500.00	65,000
Roof Construction			\$21.34/SF	\$8,166,839
Superstructure			\$47.90/SF	\$18,327,463
B20 Exterior Enclosure				
B2010 Exterior Walls				
179 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc.	SF	23,959.800	95.00	2,276,181
180 High performance insulated precast concrete panel	SF	43,127.600	100.00	4,312,760
181 Large format exterior CMU veneer, including back-up, insulation, AVB, etc.	SF	17,970.000	80.00	1,437,600
184 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc.	SF	4,792.200	85.00	407,337
334 Allowance for equipment roof screen	SF	10,000.000	100.00	1,000,000
335 Allowance for miscellaneous exterior wall not listed above	SF	382,653.000	3.00	1,147,959
Exterior Walls			\$27.65/SF	\$10,581,837
B2020 Exterior Windows				
182 Curtain wall system	SF	17,970.000	125.00	2,246,250
183 Storefront / Window	SF	17,970.000	100.00	1,797,000
Exterior Windows			\$10.57/SF	\$4,043,250

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	382,653.000	3.50	1,339,285
Exterior Doors			\$3.50/SF	\$1,339,285
Exterior Enclosure			\$41.72/SF	\$15,964,372
B30 Roofing				
B3010 Roof Coverings				
143 Vegetated roofing	SF	6,000.000	45.00	270,000
246 PVC Membrane roofing, complete	SF	192,104.300	25.00	4,802,608
Roof Coverings			\$13.26/SF	\$5,072,608
B3020 Roof Openings				
247 Glazed aluminum skylight system	SF	6,387.000	110.00	702,570
Roof Openings			\$1.84/SF	\$702,570
Roofing			\$15.09/SF	\$5,775,178
C10 Interior Construction				
C1010 Partitions				
161 Gypsum board partitions; Corridor wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	100,793.000	15.00	1,511,895
178 CMU Partition	SF	46,922.100	25.00	1,173,053
185 Gypsum board partition	SF	210,264.600	10.00	2,102,646
248 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	382,653.000	16.00	6,122,448
Partitions			\$28.51/SF	\$10,910,042
C1020 Interior Doors				
249 Allowance for interior doors	SF	382,653.000	6.50	2,487,244
Interior Doors			\$6.50/SF	\$2,487,244
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	382,653.000	8.75	3,348,213
Fittings			\$8.75/SF	\$3,348,213
Interior Construction			\$43.76/SF	\$16,745,499
C20 Stairs				
C2010 Stair Construction				
251 Allowance for interior stairs	SF	382,653.000	2.50	956,632
Stair Construction			\$2.50/SF	\$956,632

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C2020 Stair Finishes				
100 Floor finish to Student Commons Stair, assumes precast terrazzo treads and risers	SF	3,533.800	45.00	159,021
105 Floor finish to Egress Stair, assumes rubber treads and risers	SF	6,567.700	20.00	131,354
252 Allowance for stair finishes	SF	382,653.000		Incl.
Stair Finishes			\$0.76/SF	\$290,375
Stairs			\$3.26/SF	\$1,247,007
C30 Interior Finishes				
C3010 Wall Finishes				
144 Wall finish to Lobby / Cafeteria, assumes 50% wood paneling to 4'-0" high	SF	3,559.600	65.00	231,374
145 Wall finish to Lobby / Cafeteria, assumes 50% large format porcelain to 4'-0" high	SF	3,559.600	25.00	88,990
146 Wall finish to Auditorium, assumes wood paneling to 13'-0" high	SF	7,151.100	65.00	464,822
147 Wall finish to Gymnasium, assumes acoustical fiber panel to 4'-0" high	SF	3,349.600	50.00	167,480
148 Wall finish to Gymnasium, assumes 50% gym pad to 6'-0" high	SF	2,512.100	15.00	37,681
149 Wall finish to Library / Media Center, assumes 50% wood paneling to 10'-0" high	SF	1,423.200	65.00	92,508
150 Wall finish to Library / Media Center, assumes 50% fabric wrapped acoustical fiber to 10'-0" high	SF	1,423.200	45.00	64,044
153 Wall finish to Cosmetology Salon, assumes 50% wood paneling to 10'-0" high	SF	1,620.500	50.00	81,025
154 Wall finish to Cosmetology Salon, assumes 50% porcelain tile to 10'-0" high	SF	1,620.500	20.00	32,410
155 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	35,997.600	18.00	647,957
156 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	2,357.900	18.00	42,442
157 Wall finish to Kitchen, assumes 50% FRP to 10'-0" high	SF	3,784.300	25.00	94,607
158 Wall finish to BOH areas, assumes FRP to 10'-0" high	SF	610.600	25.00	15,265
159 Epoxy paint finish to CMU partitions	SF	42,230.100	2.00	84,460
160 Paint finish to GWB partitions	SF	235,047.600	1.25	293,810
253 Allowance for miscellaneous wall finishes now listed above	SF	382,653.000	5.00	1,913,265
Wall Finishes			\$11.37/SF	\$4,352,140

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniformat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C3020 Floor Finishes				
83 Moisture mitigation system - not required	SF	129,611.200		Excl.
85 Floor finish to Corridor, assumes rubber tile 4mm	SF	54,494.000	12.00	653,928
84 Floor finish to Lobby, assumes epoxy terrazzo	SF	17,300.100	35.00	605,503
86 Floor finish to Classroom (Lower Level), assumes linoleum tile	SF	8,102.000	7.00	56,714
111 Floor finish to Classroom (Upper Level), assumes cushioned acoustical tile	SF	48,935.700	8.50	415,953
112 Floor finish to Science Lab, assumes sheet vinyl with integral base	SF	23,389.300	10.00	233,893
87 Floor finish to Administrative Area, assumes carpet	SY	1,378.800	50.00	68,940
88 Floor finish to Toilet, assumes ceramic mosaic tile	SF	4,242.400	18.00	76,363
89 Floor finish to Vocational Shop (Lower Level), assumes epoxy sealer	SF	91,626.400	2.25	206,159
90 Floor finish to Vocational Shop (Upper Level), assumes linoleum tile	SF	28,246.100	6.50	183,600
93 Floor finish to Gymnasium, assumes athletic performance wood floor	SF	17,017.500	20.00	340,350
91 Floor finish to Locker Room, assumes 50% ceramic mosaic tile	SF	3,804.000	18.00	68,472
94 Floor finish to Locker Room, assumes 50% poured epoxy floor	SF	3,804.000	12.00	45,648
92 Floor finish to Auditorium isles, assumes 20% of Auditorium area, assumes carpet	SY	210.500	55.00	11,577
95 Floor finish to Auditorium seating areas, assumes 80% of Auditorium area, assumes epoxy sealer	SF	7,571.000	2.25	17,035
98 Floor finish to Auditorium BOH / Dressing, assumes epoxy sealer	SF	194.700	2.25	438
99 Floor finish to Cafeteria / Student Commons, assumes porcelain tile	SF	7,495.300	20.00	149,906
101 Floor finish to Kitchen / Culinary Arts Kitchen, assumes poured epoxy floor	SF	10,652.700	14.00	149,138
103 Floor finish to Cosmetology Salon, assumes porcelain tile	SF	4,754.200	20.00	95,084
104 Floor finish to Library / Media Center, assumes carpet	SY	557.000	55.00	30,635
106 Floor finish to MEP areas, assumes poured epoxy floor	SF	3,129.700	14.00	43,816
107 Floor finish to BOH areas, assumes poured epoxy floor	SF	10,017.500	14.00	140,245
108 Floor finish to School Store, assumes porcelain tile	SF	1,173.000	20.00	23,460

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
114 Wall base to Corridor, assumes resilient	LF	7,199.700	5.00	35,999
115 Wall base to Lobby, assumes epoxy terrazzo	LF	1,413.400		Incl.
116 Wall base to Classroom, assumes resilient	LF	7,926.500	5.00	39,632
119 Wall base to Administrative Area, assumes resilient	LF	1,180.800	5.00	5,904
120 Wall base to Toilet, assumes ceramic mosaic tile	LF	589.500	18.00	10,611
123 Wall base to Vocational Shop, assumes resilient	LF	5,861.200	5.00	29,306
124 Wall base to Gymnasium, assumes vented rubber base	LF	837.400	10.00	8,374
125 Wall base to Locker Room, assumes 50% ceramic mosaic tile	LF	247.000	18.00	4,446
126 Wall base to Locker Room, assumes 50% resilient	LF	247.000	5.00	1,235
128 Wall base to Auditorium, assumes resilient	LF	440.300	5.00	2,202
131 Wall base to Auditorium BOH / Dressing, assumes resilient	LF	61.200	5.00	306
132 Wall base to Cafeteria / Student Commons, assumes porcelain tile	LF	366.500	20.00	7,330
133 Wall base to Kitchen / Culinary Arts Kitchen, assumes resilient	LF	756.900	5.00	3,784
135 Wall base to Cosmetology Salon, assumes porcelain tile	LF	324.300	50.00	16,215
136 Wall base to Library / Media Center, assumes resilient	LF	284.700	5.00	1,424
138 Wall base to MEP areas, assumes resilient	LF	803.700	5.00	4,019
139 Wall base to BOH areas, assumes resilient	LF	1,007.100	5.00	5,036
140 Wall base to School Store, assumes porcelain tile	LF	148.000	50.00	7,400
Floor Finishes			\$9.93/SF	\$3,800,080
C3030 Ceiling Finishes				
56 Ceiling finish to Corridor / Lobby, assumes ACT	SF	71,794.000	5.00	358,970
77 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	12,629.000	16.00	202,064
57 Ceiling finish to Classroom / Science Lab, assumes ACT high NRC	SF	80,426.200	10.00	804,262
58 Ceiling finish to Administrative Area, assumes ACT high NRC	SF	12,407.300	10.00	124,073
59 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	4,242.300	17.00	72,119
60 Ceiling finish to Vocational Shop (Main Level), assumes paint finish to exposed structure	SF	85,039.800	1.50	127,560

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
62 Ceiling finish to Vocational Shop (Main Level w/ Acoustical Requirement), assumes (2) layers of GWB on hat channels, on suspended metal stud, 6" acoustical insulation (acoustically separate from the learning spaces above)	SF	60,325.700	20.00	1,206,514
63 Ceiling finish to Vocational (Upper Level), assumes ACT high NRC	SF	47,983.600	10.00	479,836
64 Ceiling finish to Gymnasium, assumes paint finish to exposed structure with structural metal cellular acoustical deck	SF	17,017.500	2.50	42,544
65 Ceiling finish to Locker Room, assumes painted moisture resistant GWB	SF	7,607.600	17.00	129,329
66 Ceiling finish to Auditorium, assumes paint finish to exposed structure	SF	9,463.900	1.50	14,195
67 Ceiling finish to Auditorium, assumes 50% suspended acoustical ceiling clouds premium	SF	4,731.900	9.00	42,587
72 Ceiling finish to Auditorium BOH / Dressing, assumes paint finish to exposed structure	SF	194.700	2.50	487
69 Ceiling finish to Cafeteria / Student Commons, assumes 50% premium ACT	SF	3,747.800	6.50	24,361
70 Ceiling finish to Cafeteria / Student Commons, assumes 50% specialty metal ceiling system (imitating wood grain)	SF	3,747.800	65.00	243,607
71 Ceiling finish to Kitchen / Culinary Arts Kitchen, assumes ACT washable	SF	10,652.700	6.00	63,916
74 Ceiling finish to Cosmetology Salon, assumes specialty metal ceiling system with ACT suspended grid	SF	4,754.200	45.00	213,939
75 Ceiling finish to Library / Media Center, assumes premium ACT	SF	5,012.300	6.00	30,074
76 Ceiling finish to Library / Media Center, assumes 10% GWB soffits	SF	501.400	20.00	10,028
78 Ceiling finish to MEP areas, assumes paint finish to exposed structure	SF	3,129.700	1.50	4,695
79 Ceiling finish to BOH areas, assumes paint finish to exposed structure	SF	10,017.500	1.50	15,026
80 Ceiling finish to School Store, assumes ACT	SF	1,173.000	5.00	5,865
254 Allowance for miscellaneous ceiling finish not listed above	SF	382,653.000	1.00	382,653
Ceiling Finishes			\$12.02/SF	\$4,598,704
Interior Finishes			\$33.32/SF	\$12,750,924

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D10 Conveying				
D1010 Elevators & Lifts				
258 Passenger elevators - 4 stops	EA	2.000	240,000.00	480,000
Elevators & Lifts			\$1.25/SF	\$480,000
Conveying			\$1.25/SF	\$480,000
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	382,653.000	3.00	1,147,959
Plumbing Fixtures			\$3.00/SF	\$1,147,959
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	382,653.000	5.00	1,913,265
Domestic Water Distribution			\$5.00/SF	\$1,913,265
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	382,653.000	3.00	1,147,959
Sanitary Waste			\$3.00/SF	\$1,147,959
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	382,653.000	2.00	765,306
Rain Water Drainage			\$2.00/SF	\$765,306
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	382,653.000	5.00	1,913,265
Other Plumbing Systems			\$5.00/SF	\$1,913,265
Plumbing			\$18.00/SF	\$6,887,754
D30 HVAC				
D3020 Heat Generating Systems				
277 Gas fired hot water boiler, 4,250 MBH	EA	4.000	106,000.00	424,000
278 Hot water pumps, 200 GPM	EA	4.000	2,250.00	9,000
293 Secondary hot water pump, 300 GPM	EA	3.000	3,500.00	10,500
279 Glycol make-up	EA	3.700	7,500.00	27,750
280 Expansion tanks	EA	4.000	3,500.00	14,000
281 Air separators	EA	3.700	2,500.00	9,250
282 VFD	EA	7.000	4,000.00	28,000
283 Pump hook-ups	EA	7.000	1,250.00	8,750
Heat Generating Systems			\$1.39/SF	\$531,250
D3030 Cooling Generating Systems				
289 VRF's including condenser allowances	T	375.00000	5,000.00	1,875,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
290 VRF unit hook-ups	EA	14.000	1,000.00	14,000
291 Allowance for refrigerant, piping, etc.	SF	382,653.000	3.00	1,147,959
294 Primary chilled pump, 360 GPM	EA	3.000	8,000.00	24,000
295 Secondary chilled pump, 300 GPM	EA	3.000	6,500.00	19,500
296 Pump hook-ups	EA	6.000	1,250.00	7,500
297 VFD	EA	6.000	4,000.00	24,000
298 Air separators	EA	1.000	2,500.00	2,500
Cooling Generating Systems			\$8.14/SF	\$3,114,459
D3040 Distribution Systems				
288 Heating and ventilating units	CFM	102,050.000	7.00	714,350
299 Allowance for ductworking, hot water piping, chilled water piping, grilles, returns, hoods, fans, attenuation, etc.	SF	382,653.000	25.00	9,566,325
Distribution Systems			\$26.87/SF	\$10,280,675
D3050 Terminal & Package Units				
284 Dedicated outside air units	CFM	74,400.000	31.50	2,343,600
285 Single zone Rooftop AHU's	CFM	30,500.000	10.00	305,000
286 Multiple zone Rooftop AHU's	CFM	23,600.000	15.00	354,000
287 Energy recovery ventilator	CFM	5,200.000	16.50	85,800
292 Air-cooled heat pumps, 100 ton	EA	3.000	140,000.00	420,000
Terminal & Package Units			\$9.17/SF	\$3,508,400
D3060 Controls & Instrumentations				
300 Allowance for controls system	SF	382,653.000	7.00	2,678,571
Controls & Instrumentations			\$7.00/SF	\$2,678,571
D3070 Systems Testing & Balancing				
301 Testing and balancing	SF	382,653.000	0.60	229,592
Systems Testing & Balancing			\$0.60/SF	\$229,592
D3090 Other HVAC Systems & Equipment				
302 Allowance for rigging, temporary heating, commissioning, co-ordination, as-builts, etc.	SF	382,653.000	4.50	1,721,938
Other HVAC Systems & Equipment			\$4.50/SF	\$1,721,938
HVAC			\$57.66/SF	\$22,064,885
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	382,653.000	5.50	2,104,591
Sprinklers			\$5.50/SF	\$2,104,591
Fire Protection			\$5.50/SF	\$2,104,591

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D50 Electrical				
D5010 Electrical Service & Distribution				
318 Main switchboard, 6,000A/480/277V/3Ph-4W	EA	1.000	325,000.00	325,000
319 Allowance for panelboards, transformers, feeders, ATS, mechanical connections, etc.	SF	382,653.000	5.00	1,913,265
320 Emergency Power: Diesel fueled generator, 600kW, including sound attenuated enclosure	EA	1.000	290,000.00	290,000
Electrical Service & Distribution			\$6.61/SF	\$2,528,265
D5020 Lighting and Branch Wiring				
321 Allowance for light fixtures including wiring and controls	SF	382,653.000	15.00	5,739,795
322 Allowance for secondary branch power including receptacles, junction boxes, wiring, etc.	SF	382,653.000	7.50	2,869,897
Lighting and Branch Wiring			\$22.50/SF	\$8,609,692
D5030 Communications & Security				
305 Tel/Data cabling system (per 3Si)	LS	1.000	1,739,625.00	1,739,625
306 Audio visual cabling (per 3Si)	LS	1.000	104,000.00	104,000
307 IPTV and video on demand system (per 3Si)	LS	1.000	360,000.00	360,000
308 Large venue audio/visual system (per 3Si)	LS	1.000	455,000.00	455,000
309 Classroom speech reinforcement systems	LS	1.000	244,200.00	244,200
310 Instructional audio/visual systems	LS	1.000	650,000.00	650,000
311 Public address system	LS	1.000	218,200.00	218,200
312 Clock system	LS	1.000	126,300.00	126,300
313 Integrated electronic security system (per 3Si)	LS	1.000	1,297,200.00	1,297,200
314 Allowance for security rough-ins	SF	382,653.000	0.25	95,663
315 Allowance for fire alarm systems	SF	382,653.000	2.50	956,632
316 Allowance for communication system rough-ins	SF	382,653.000	0.25	95,663
Communications & Security			\$16.58/SF	\$6,342,483
D5090 Other Electrical Systems				
323 Allowance for lightning protection	SF	382,653.000	0.50	191,326
324 Allowance for testing, commissioning, temporary lighting, as-buits, etc.	SF	382,653.000	2.00	765,306
325 PV system - by Others	LS	1.000		Excl.
Other Electrical Systems			\$2.50/SF	\$956,632
Electrical			\$48.18/SF	\$18,437,072

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A1 Main Building (continued)

GFA: 382,653 SF Cost/SF: \$349.73

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
E10 Equipment				
E1010 Commercial Equipment				
260 Food service equipment (per TDA)	LS	1.000	825,000.00	825,000
Commercial Equipment			\$2.16/SF	\$825,000
E1090 Other Equipment				
262 Basketball backstops	LS	1.000	27,000.00	27,000
263 Stage Curtains and Rigging - Powered rigging (per TDA)	LS	1.000	650,000.00	650,000
264 Divider curtains (per TDA)	LS	1.000	32,000.00	32,000
265 Gym wall padding (per TDA)	LS	1.000	25,000.00	25,000
267 Automotive Refinishing - Booths/Frame machine (per TDA)	LS	1.000	325,000.00	325,000
268 Automotive Tech - Lifts (per TDA)	LS	1.000	160,000.00	160,000
269 HVAC/plumbing - Boiler/Furnace/Split Systems (per TDA)	LS	1.000	65,000.00	65,000
Other Equipment			\$3.36/SF	\$1,284,000
Equipment			\$5.51/SF	\$2,109,000
E20 Furnishings				
E2010 Fixed Furnishings				
261 Fixed casework and equipment (per TDA)	LS	1.000	1,225,000.00	1,225,000
266 Telescoping bleachers (per TDA)	LS	1.000	215,000.00	215,000
270 Cosmetology - Wet Stations/Manicure/Styling	LS	1.000	110,000.00	110,000
Fixed Furnishings			\$4.05/SF	\$1,550,000
Furnishings			\$4.05/SF	\$1,550,000
MAIN BUILDING			\$349.73/SF	\$133,825,874

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A2 Ticket Office/Concessions

GFA: 1,600 SF Cost/SF: \$366.66

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	209.526	90.00	18,857
192 Air and vapor barrier	SF	628.510	0.30	189
193 Rigid insulation, 2" thick	SF	628.510	3.00	1,886
195 Perimeter foundation walls - allow 12" thick	SF	628.510	55.00	34,568
244 Allowance for foundation backfill	SF	1,600.000	0.55	880
Standard Foundations			\$35.24/SF	\$56,380
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	1,600.000	0.75	1,200
163 Granular fill below slab on grade, re-use excavated materials	CY	177.779	10.00	1,778
164 Air and vapor barrier	SF	1,600.000	0.25	400
165 Rigid insulation, 2" thick	SF	1,600.000	3.25	5,200
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	1,599.999	8.00	12,800
Slab on Grade			\$13.36/SF	\$21,378
Foundations			\$48.60/SF	\$77,758
B20 Exterior Enclosure				
B2010 Exterior Walls				
255 Exterior wall to Ticket Office, assumes 17'-0" high	SF	3,561.700	50.00	178,085
Exterior Walls			\$111.30/SF	\$178,085
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	1,600.000	3.50	5,600
Exterior Doors			\$3.50/SF	\$5,600
Exterior Enclosure			\$114.80/SF	\$183,685
C10 Interior Construction				
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	1,600.000	8.75	14,000
Fittings			\$8.75/SF	\$14,000
Interior Construction			\$8.75/SF	\$14,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A2 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$366.66

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C30 Interior Finishes				
C3010 Wall Finishes				
253 Allowance for miscellaneous wall finishes now listed above	SF	1,600.000	5.00	8,000
Wall Finishes			\$5.00/SF	\$8,000
C3030 Ceiling Finishes				
254 Allowance for miscellaneous ceiling finish not listed above	SF	1,600.000	1.00	1,600
Ceiling Finishes			\$1.00/SF	\$1,600
Interior Finishes			\$6.00/SF	\$9,600
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	1,600.000	3.00	4,800
Plumbing Fixtures			\$3.00/SF	\$4,800
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	1,600.000	5.00	8,000
Domestic Water Distribution			\$5.00/SF	\$8,000
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	1,600.000	3.00	4,800
Sanitary Waste			\$3.00/SF	\$4,800
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	1,600.000	2.00	3,200
Rain Water Drainage			\$2.00/SF	\$3,200
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such as gas piping, coordination, etc.	SF	1,600.000	5.00	8,000
Other Plumbing Systems			\$5.00/SF	\$8,000
Plumbing			\$18.00/SF	\$28,800
D30 HVAC				
D3090 Other HVAC Systems & Equipment				
304 Allowance for HVAC system to support building - Maintenance/Tickets	SF	1,600.000	35.00	56,000
Other HVAC Systems & Equipment			\$35.00/SF	\$56,000
HVAC			\$35.00/SF	\$56,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2A BUILDING

C2A2 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$366.66

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	1,600.000	5.50	8,800
Sprinklers			\$5.50/SF	\$8,800
Fire Protection			\$5.50/SF	\$8,800
D50 Electrical				
D5090 Other Electrical Systems				
326 Allowance for electrical systems to support buildings	SF	1,600.000	30.00	48,000
Other Electrical Systems			\$30.00/SF	\$48,000
Electrical			\$30.00/SF	\$48,000
F10 Special Construction				
F1030 Special Construction Systems				
200 Allowance for pre-engineered structures	SF	1,600.100	100.00	160,010
Special Construction Systems			\$100.01/SF	\$160,010
Special Construction			\$100.01/SF	\$160,010
TICKET OFFICE/CONCESSIONS			\$366.66/SF	\$586,653

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2S SITEWORK

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F20 Selective Building Demolition				
F2010 Building Elements Demolition				
317 Demolish existing school building	SF	239,144.00	6.00	1,434,864
Building Elements Demolition				\$1,434,864
F2020 Hazardous Components Abatement				
201 Allowance for hazardous materials abatement	LS	1.00	1,919,675.00	1,919,675
Hazardous Components Abatement				\$1,919,675
Selective Building Demolition				\$3,354,539
G10 Site Preparation				
G1010 Site Clearing				
15 Allowance for site clearing	Acre	26.500	1,500.00	39,750
203 Construction fence	LF	4,630.40	15.00	69,456
204 Construction entrance	EA	2.00	7,500.00	15,000
205 Mobilization	LS	1.00	65,000.00	65,000
207 Submittals, as-builts, layouts, etc.	LS	1.00	40,000.00	40,000
209 Erosion controls including maintenace	SF	1,154,115.70	0.15	173,117
Site Clearing				\$402,323
G1020 Site Demolition and Relocations				
1 Break-out existing pavement	SF	240,285.70	1.00	240,286
2 Break-out existing walkways	SF	38,453.00	1.00	38,453
3 Remove existing curbs	LF	3,957.60	5.00	19,788
4 Break-out existing athletic pavement (tracks, long-jump, etc.)	SF	41,394.00	0.75	31,046
5 Remove existing bleachers	SF	7,578.10	3.00	22,734
6 Remove existing site support structures (shed, etc.)	SF	6,291.10	2.00	12,582
7 Remove existing fence	LF	3,832.40	10.00	38,324
8 Break-out existing concrete pads	SF	5,070.10	3.00	15,210
9 Remove existing metal guardrail	LF	893.70	15.00	13,405
10 Remove existing light posts	EA	16.00	300.00	4,800
11 Remove existing play equipment	LS	1.00	1,500.00	1,500
12 Remove existing benches	EA	4.00	150.00	600
13 Remove existing trees	EA	70.00	700.00	49,000
327 Sawcut and break-out existing roadway due to utility construction	SF	5,805.80	15.75	91,441
14 Allowance for miscellaneous demolition not listed above	SF	1,022,229.60	0.50	511,115
Site Demolition and Relocations				\$1,090,284

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniformat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2S SITEWORK (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G1030 Site Earthwork				
210 Cut to proposed level - allow rock excavation	CY	62,635.20	60.00	3,758,112
211 Fill to proposed level, re-use excavated materials	CY	20,509.60	10.00	205,096
331 Fill to proposed level	CY	61,528.60	25.00	1,538,215
212 Allowance for fine grading	SF	1,154,115.70	0.15	173,117
213 Allowance for minor dewatering	LS	1.00	15,000.00	15,000
214 Allowance for dust control	LS	1.00	35,000.00	35,000
Site Earthwork				\$5,724,540
Site Preparation				\$7,217,147
G20 Site Improvements				
G2010 Roadways				
216 Prepare and compact subbase	SF	172,483.70	0.35	60,369
217 Compacted gravel base, allow 12" thick	CY	6,388.30	40.00	255,532
218 Asphalt roadway including binder and top course, allow 4" overall thickness	SY	18,520.10	40.00	740,804
328 Re-paved existing roadway due to utilities construction	SY	645.40	50.00	32,270
16 Granite curbs	LF	11,159.70	55.00	613,783
219 Pavement markings; allowance for additional markings	SF	166,678.00	0.15	25,002
330 Allowance for crossing intersection improvements including traffic lights, wiring, etc.	LS	1.00	1,500,000.00	1,500,000
Roadways				\$3,227,760
G2020 Parking Lots				
220 Prepare and compact subbase	SF	121,548.80	0.35	42,542
221 Compacted gravel base, allow 12" thick	CY	4,501.90	40.00	180,076
222 Asphalt roadway including binder and top course, allow 4" overall thickness	SY	13,505.50	40.00	540,220
17 Granite curbs	LF	3,930.50	55.00	216,178
18 Pavement markings; line painting	LF	6,927.50	3.00	20,782
223 Pavement markings; allowance for additional markings	SF	121,548.80	0.15	18,232
Parking Lots				\$1,018,030
G2030 Pedestrian Paving				
224 Prepare and compact subbase	SF	16,811.30	0.35	5,884
225 Compacted gravel base, allow 8" thick	CY	415.20	40.00	16,608
226 Concrete walkway including forming, WWF reinforcement, finish, etc. - allow 4" thick	SF	15,130.10	7.00	105,911

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2S SITEWORK (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
227 Allowance for decorative pavers	SF	1,681.20	30.00	50,436
Pedestrian Paving				\$178,839
G2040 Site Development				
29 Retaining walls	LF	968.00	250.00	242,000
228 Allowance for miscellaneous site development not listed above	LS	1.00	500,000.00	500,000
Site Development				\$742,000
G2045 Athletic, Recreational, and Playfield Areas				
229 Prepare and compact subbase	SF	268,702.60	0.35	94,046
230 Granular bedding to athletic fields, allow 12" thick	CY	5,031.10	40.00	201,244
22 Running track surface	SF	35,561.20	15.00	533,418
23 Synthetic turf	SF	77,341.10	10.00	773,411
24 Seeding to baseball & softball fields including bedding, allow 8" thick	SF	132,868.90	1.75	232,520
25 Baseball & Softball athletic fields	SF	22,931.70	2.00	45,863
27 Seeding to football / soccer fields including bedding, allow 8" thick	SF	36,907.70	1.75	64,588
33 Football scoreboard	EA	1.00	30,000.00	30,000
34 Soccer & Softball scoreboard	EA	1.00	30,000.00	30,000
35 Baseball & Softball backstops	LF	339.80	250.00	84,950
36 Baseball & Softball perimeter fencing	LF	1,810.50	40.00	72,420
37 Bleacher structure spectator seating including pressbox, 954 seating capacity	LS	1.00	1,400,000.00	1,400,000
38 Football goal	EA	2.00	15,000.00	30,000
231 Irrigation to athletic fields	SF	169,776.30	2.00	339,553
Athletic, Recreational, and Playfield Areas				\$3,932,013
G2050 Landscaping				
20 Trees	EA	112.00	1,000.00	112,000
21 Seeding lawn including bedding, allow 8" thick	SF	217,824.30	1.75	381,193
232 Allowance for additional plantings not listed above	LS	1.00	300,000.00	300,000
233 Allowance for lawn irrigation	SF	217,824.30	2.00	435,649
Landscaping				\$1,228,842
Site Improvements				\$10,327,484
G30 Site Mechanical Utilities				
G3010 Water Supply				
234 Connect to existing mains	LS	1.00	10,000.00	10,000
52 Hydrant	EA	8.00	4,500.00	36,000
51 CLDI pipe, 8"	LF	3,526.00	100.00	352,600

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C2 OPTION C2 - 1,600 STUDENTS

C2S SITEWORK (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
53 Water mains, DI pipe, 16"	LF	1,990.00	200.00	398,000
235 Excavation and backfill	LF	5,515.90	25.00	137,897
Water Supply				\$934,497
G3020 Sanitary Water				
236 Connect to existing mains	LS	1.00	5,000.00	5,000
47 Precast concrete grease trap, 10,000 gal.	EA	1.00	25,000.00	25,000
48 Manholes	EA	10.00	3,500.00	35,000
49 PVC pipe, 6"	LF	1,279.40	60.00	76,764
50 Clean and re-align existing sewer pipe	LF	1,165.60	50.00	58,280
54 PVC force main, 4"	LF	551.00	50.00	27,550
55 Sanitary sewer pump station	EA	1.00	100,000.00	100,000
237 Excavation and backfill	LF	1,829.80	25.00	45,745
Sanitary Water				\$373,339
G3030 Storm Sewer				
40 Catch basins	EA	30.00	3,000.00	90,000
41 Area drains	EA	15.00	500.00	7,500
42 Manholes	EA	30.00	5,000.00	150,000
43 Water quality inlets	EA	5.00	35,000.00	175,000
44 HDPE pipe, 12"	LF	2,404.40	55.00	132,242
45 HDPE pipe, 24"	LF	1,752.90	100.00	175,290
46 Subsurface infiltration system	SF	45,000.00	40.00	1,800,000
238 Excavation and backfill	LF	4,157.10	25.00	103,928
Storm Sewer				\$2,633,960
G3090 Other Site Mechanical Utilities				
239 Allowance for miscellaneous site mechanical utilities not listed above	LS	1.00	200,000.00	200,000
Other Site Mechanical Utilities				\$200,000
Site Mechanical Utilities				\$4,141,796
G40 Site Electrical Utilities				
G4010 Electrical Distribution				
240 Allowance for miscellaneous site electrical distribution system including pull boxes, manholes, ductbank, etc.	SF	1,154,115.70	0.10	115,412
Electrical Distribution				\$115,412
G4020 Site Lighting				
32 Athletic field lighting poles including wiring to football and baseball fields, etc.	EA	4.00	225,000.00	900,000

Preferred Schematic Report - New Construction - Revision 3

C2 OPTION C2 - 1,600 STUDENTS

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
241 Allowance for miscellaneous site lighting including bollards, poles, etc.	SF	1,154,115.70	0.35	403,940
Site Lighting				\$1,303,940
G4030 Site Communications & Security				
242 Allowance for miscellaneous site communication system such handholes, ductbank, etc.	SF	1,154,115.70	0.50	577,058
Site Communications & Security				\$577,058
Site Electrical Utilities				\$1,996,410
SITework				\$27,037,376

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Summary

GFA: Gross Floor Area
Rates Current At November 2020

Location	GFA SF	Cost/SF	Total Cost
C3 OPTION C3 - 1,600 STUDENTS			
C3A BUILDING			
C3A1 Main Building	373,682	353.49	132,091,318
C3A2 Concessions/Locker Building	7,200	397.35	2,860,935
C3A3 Maintenance Building	1,771	348.45	617,100
C3A4 Ticket Office/Concessions	1,600	370.16	592,248
<i>C3A - BUILDING</i>	<i>384,253</i>	<i>\$354.35</i>	<i>\$136,161,601</i>
C3S SITEWORK			
C3S1 Site Improvements			36,034,023
<i>C3S - SITEWORK</i>			<i>\$36,034,023</i>
C3 - OPTION C3 - 1,600 STUDENTS	384,253	\$448.13	\$172,195,624
ESTIMATED NET COST	384,253	\$448.13	\$172,195,624
MARGINS & ADJUSTMENTS			
Sub-contractor Bonds	1.4 %		\$2,410,738
General Requirements	2.5 %		\$4,304,891
General Conditions	5.8 %		\$10,331,737
Builder's Risk	0.4 %		\$756,973
GLPD	0.8 %		\$1,443,999
Bonds	0.6 %		\$1,148,664
Permits - by Owner			Excl.
CM Fee	2.5 %		\$4,814,816
Design / Estimating Contingency	12.5 %		\$24,675,931
GMP Contingency	2.0 %		\$4,441,668
ESTIMATED TOTAL COST BEFORE ESCALATION	384,253	\$589.52	\$226,525,041
Escalation Allowance up to mid-point of Construction	7.5 %		\$16,989,377
ESTIMATED TOTAL COST	384,253	\$633.73	\$243,514,418

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniformat II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	4.09/SF	1,528,096
A1020 Special Foundations		Excl.
A1030 Slab on Grade	18.99/SF	7,095,756
Foundations	\$23.08/SF	\$8,623,852
A20 Basement Construction		
A2020 Basement Walls	2.62/SF	977,233
Basement Construction	\$2.62/SF	\$977,233
B10 Superstructure		
B1010 Floor Construction	33.70/SF	12,591,797
B1020 Roof Construction	15.75/SF	5,885,862
Superstructure	\$49.45/SF	\$18,477,659
B20 Exterior Enclosure		
B2010 Exterior Walls	26.55/SF	9,919,601
B2020 Exterior Windows	10.00/SF	3,738,664
B2030 Exterior Doors	3.50/SF	1,307,887
Exterior Enclosure	\$40.05/SF	\$14,966,152
B30 Roofing		
B3010 Roof Coverings	11.13/SF	4,159,677
B3020 Roof Openings	1.88/SF	702,570
Roofing	\$13.01/SF	\$4,862,247
C10 Interior Construction		
C1010 Partitions	31.17/SF	11,647,012
C1020 Interior Doors	6.50/SF	2,428,933
C1030 Fittings	8.75/SF	3,269,718
Interior Construction	\$46.42/SF	\$17,345,663
C20 Stairs		
C2010 Stair Construction	2.50/SF	934,205
C2020 Stair Finishes	0.61/SF	226,388
Stairs	\$3.11/SF	\$1,160,593
C30 Interior Finishes		
C3010 Wall Finishes	13.52/SF	5,053,143
C3020 Floor Finishes	9.38/SF	3,505,181

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Cost/SF	Total Cost
C3030 Ceiling Finishes	11.81/SF	4,412,888
Interior Finishes	\$34.71/SF	\$12,971,212
D10 Conveying		
D1010 Elevators & Lifts	1.12/SF	420,000
Conveying	\$1.12/SF	\$420,000
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	1,121,046
D2020 Domestic Water Distribution	5.00/SF	1,868,410
D2030 Sanitary Waste	3.00/SF	1,121,046
D2040 Rain Water Drainage	2.00/SF	747,364
D2090 Other Plumbing Systems	5.00/SF	1,868,410
Plumbing	\$18.00/SF	\$6,726,276
D30 HVAC		
D3020 Heat Generating Systems	1.42/SF	531,250
D3030 Cooling Generating Systems	8.26/SF	3,087,546
D3040 Distribution Systems	26.91/SF	10,056,400
D3050 Terminal & Package Units	9.39/SF	3,508,400
D3060 Controls & Instrumentations	7.00/SF	2,615,774
D3070 Systems Testing & Balancing	0.60/SF	224,209
D3090 Other HVAC Systems & Equipment	4.50/SF	1,681,569
HVAC	\$58.08/SF	\$21,705,148
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	2,055,251
Fire Protection	\$5.50/SF	\$2,055,251
D50 Electrical		
D5010 Electrical Service & Distribution	6.65/SF	2,483,410
D5020 Lighting and Branch Wiring	22.50/SF	8,407,845
D5030 Communications & Security	16.90/SF	6,315,572
D5090 Other Electrical Systems	2.50/SF	934,205
Electrical	\$48.55/SF	\$18,141,032
E10 Equipment		
E1010 Commercial Equipment	2.21/SF	825,000
E1090 Other Equipment	3.44/SF	1,284,000
Equipment	\$5.64/SF	\$2,109,000

Preferred Schematic Report - New Construction - Revision 3

C3 OPTION C3 - 1,600 STUDENTS

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Cost/SF	Total Cost
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E20 Furnishings

E2010 Fixed Furnishings

4.15/SF	1,550,000
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Furnishings	\$4.15/SF	\$1,550,000
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MAIN BUILDING	\$353.49/SF	\$132,091,318
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Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	15.34/SF	110,478
A1020 Special Foundations		Excl.
A1030 Slab on Grade	7.31/SF	52,600
Foundations	\$22.65/SF	\$163,078
B10 Superstructure		
B1010 Floor Construction	26.88/SF	193,500
B1020 Roof Construction	2.50/SF	18,000
Superstructure	\$29.38/SF	\$211,500
B20 Exterior Enclosure		
B2010 Exterior Walls	96.37/SF	693,869
B2020 Exterior Windows	46.20/SF	332,644
B2030 Exterior Doors	3.50/SF	25,200
Exterior Enclosure	\$146.07/SF	\$1,051,713
B30 Roofing		
B3010 Roof Coverings	12.50/SF	90,000
Roofing	\$12.50/SF	\$90,000
C10 Interior Construction		
C1010 Partitions	15.31/SF	110,258
C1020 Interior Doors	6.50/SF	46,800
C1030 Fittings	8.75/SF	63,000
Interior Construction	\$30.56/SF	\$220,058
C20 Stairs		
C2010 Stair Construction	2.50/SF	18,000
C2020 Stair Finishes	1.95/SF	14,025
Stairs	\$4.45/SF	\$32,025
C30 Interior Finishes		
C3010 Wall Finishes	10.34/SF	74,437
C3020 Floor Finishes	15.01/SF	108,064
C3030 Ceiling Finishes	11.23/SF	80,860
Interior Finishes	\$36.58/SF	\$263,361
D10 Conveying		
D1010 Elevators & Lifts	16.67/SF	120,000
Conveying	\$16.67/SF	\$120,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building (continued)

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Cost/SF	Total Cost
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	21,600
D2020 Domestic Water Distribution	5.00/SF	36,000
D2030 Sanitary Waste	3.00/SF	21,600
D2040 Rain Water Drainage	2.00/SF	14,400
D2090 Other Plumbing Systems	5.00/SF	36,000
Plumbing	\$18.00/SF	\$129,600
D30 HVAC		
D3090 Other HVAC Systems & Equipment	45.00/SF	324,000
HVAC	\$45.00/SF	\$324,000
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	39,600
Fire Protection	\$5.50/SF	\$39,600
D50 Electrical		
D5090 Other Electrical Systems	30.00/SF	216,000
Electrical	\$30.00/SF	\$216,000
CONCESSIONS/LOCKER BUILDING	\$397.35/SF	\$2,860,935

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A3 Maintenance Building

GFA: 1,771 SF Cost/SF: \$348.45

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	30.43/SF	53,895
A1020 Special Foundations		Excl.
A1030 Slab on Grade	15.37/SF	27,217
Foundations	\$45.80/SF	\$81,112
B20 Exterior Enclosure		
B2010 Exterior Walls	92.46/SF	163,748
B2030 Exterior Doors	3.50/SF	6,199
Exterior Enclosure	\$95.96/SF	\$169,947
C10 Interior Construction		
C1030 Fittings	8.75/SF	15,496
Interior Construction	\$8.75/SF	\$15,496
C30 Interior Finishes		
C3010 Wall Finishes	5.00/SF	8,855
C3020 Floor Finishes	2.03/SF	3,600
C3030 Ceiling Finishes	2.36/SF	4,171
Interior Finishes	\$9.39/SF	\$16,626
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	5,313
D2020 Domestic Water Distribution	5.00/SF	8,855
D2030 Sanitary Waste	3.00/SF	5,313
D2040 Rain Water Drainage	2.00/SF	3,542
D2090 Other Plumbing Systems	5.00/SF	8,855
Plumbing	\$18.00/SF	\$31,878
D30 HVAC		
D3090 Other HVAC Systems & Equipment	35.00/SF	61,985
HVAC	\$35.00/SF	\$61,985
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	9,741
Fire Protection	\$5.50/SF	\$9,741
D50 Electrical		
D5090 Other Electrical Systems	30.00/SF	53,130
Electrical	\$30.00/SF	\$53,130

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A3 Maintenance Building (continued)

GFA: 1,771 SF Cost/SF: \$348.45

Rates Current At November 2020

Description		Cost/SF	Total Cost
F10 Special Construction			
F1030	Special Construction Systems	100.05/SF	177,185
Special Construction		\$100.05/SF	\$177,185
MAINTENANCE BUILDING		\$348.45/SF	\$617,100

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A4 Ticket Office/Concessions

GFA: 1,600 SF Cost/SF: \$370.16

Rates Current At November 2020

Description	Cost/SF	Total Cost
A10 Foundations		
A1010 Standard Foundations	38.74/SF	61,980
A1020 Special Foundations		Excl.
A1030 Slab on Grade	13.36/SF	21,378
Foundations	\$52.10/SF	\$83,358
B20 Exterior Enclosure		
B2010 Exterior Walls	111.30/SF	178,085
B2030 Exterior Doors	3.50/SF	5,600
Exterior Enclosure	\$114.80/SF	\$183,685
C10 Interior Construction		
C1030 Fittings	8.75/SF	14,000
Interior Construction	\$8.75/SF	\$14,000
C30 Interior Finishes		
C3010 Wall Finishes	5.00/SF	8,000
C3030 Ceiling Finishes	1.00/SF	1,600
Interior Finishes	\$6.00/SF	\$9,600
D20 Plumbing		
D2010 Plumbing Fixtures	3.00/SF	4,800
D2020 Domestic Water Distribution	5.00/SF	8,000
D2030 Sanitary Waste	3.00/SF	4,800
D2040 Rain Water Drainage	2.00/SF	3,200
D2090 Other Plumbing Systems	5.00/SF	8,000
Plumbing	\$18.00/SF	\$28,800
D30 HVAC		
D3090 Other HVAC Systems & Equipment	35.00/SF	56,000
HVAC	\$35.00/SF	\$56,000
D40 Fire Protection		
D4010 Sprinklers	5.50/SF	8,800
Fire Protection	\$5.50/SF	\$8,800
D50 Electrical		
D5090 Other Electrical Systems	30.00/SF	48,000
Electrical	\$30.00/SF	\$48,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A4 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$370.16
Rates Current At November 2020

Description	Cost/SF	Total Cost
F10 Special Construction		
F1030 Special Construction Systems	100.00/SF	160,005
	<i>Special Construction</i>	<i>\$100.00/SF</i>
	<i>TICKET OFFICE/CONCESSIONS</i>	<i>\$370.16/SF</i>
		<i>\$160,005</i>
		<i>\$592,248</i>

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Summary

C3 OPTION C3 - 1,600 STUDENTS

C3S SITEWORK

C3S1 Site Improvements

Rates Current At November 2020

Description		Cost/SF	Total Cost
F20 Selective Building Demolition			
F2010	Building Elements Demolition		1,434,864
F2020	Hazardous Components Abatement		1,919,675
Selective Building Demolition			\$3,354,539
G10 Site Preparation			
G1010	Site Clearing		411,487
G1020	Site Demolition and Relocations		1,259,390
G1030	Site Earthwork		8,401,846
Site Preparation			\$10,072,723
G20 Site Improvements			
G2010	Roadways		3,122,093
G2020	Parking Lots		1,196,322
G2030	Pedestrian Paving		340,431
G2040	Site Development		1,001,545
G2045	Athletic, Recreational, and Playfield Areas		5,253,126
G2050	Landscaping		1,958,171
Site Improvements			\$12,871,688
G30 Site Mechanical Utilities			
G3010	Water Supply		833,080
G3020	Sanitary Water		427,874
G3030	Storm Sewer		4,808,682
G3090	Other Site Mechanical Utilities		200,000
Site Mechanical Utilities			\$6,269,636
G40 Site Electrical Utilities			
G4010	Electrical Distribution		56,888
G4020	Site Lighting		3,124,108
G4030	Site Communications & Security		284,441
Site Electrical Utilities			\$3,465,437
SITE IMPROVEMENTS			\$36,034,023

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Summary

Description	Cost/SF	Total Cost
MARGINS & ADJUSTMENTS		
Sub-contractor Bonds		\$2,410,738
General Requirements		\$4,304,891
General Conditions		\$10,331,737
Builder's Risk		\$756,973
GLPD		\$1,443,999
Bonds		\$1,148,664
Permits - by Owner		Excl.
CM Fee		\$4,814,816
Design / Estimating Contingency		\$24,675,931
GMP Contingency		\$4,441,668
ESTIMATED TOTAL COST BEFORE ESCALATION	\$589.52	\$226,525,041
Escalation Allowance up to mid-point of Construction		\$16,989,377
ESTIMATED TOTAL COST	\$633.73	\$243,514,418

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	1,631.964	90.00	146,877
190 Building retaining wall strip footing - allow 14' x 24" deep	LF	687.800	685.00	471,143
191 Allowance for isolated footing	SF	154,239.081	3.50	539,838
192 Air and vapor barrier	SF	4,895.483	0.30	1,469
193 Rigid insulation, 2" thick	SF	4,895.483	3.00	14,686
195 Perimeter foundation walls - allow 12" thick	SF	4,895.483	55.00	269,252
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	154,238.699	0.55	84,831
Standard Foundations			\$4.09/SF	\$1,528,096
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	154,238.699	0.75	115,679
163 Granular fill below slab on grade, re-use excavated materials	CY	17,137.750	10.00	171,378
164 Air and vapor barrier	SF	154,238.699	0.25	38,560
165 Rigid insulation, 2" thick	SF	154,238.699	3.25	501,276
166 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 6" thick	SF	77,585.001	10.00	775,850
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	76,653.695	8.00	613,230
329 Allowance for radon system	SF	154,238.991	1.25	192,799
332 Cut to proposed level, including disposal of unused spoils, etc. - allow rock excavation	CY	117,174.600	40.00	4,686,984
Slab on Grade			\$18.99/SF	\$7,095,756
Foundations			\$23.08/SF	\$8,623,852
A20 Basement Construction				
A2020 Basement Walls				
197 Building retaining walls - allow 18" thick	SF	11,105.000	70.00	777,350
198 Basement drainage boards	SF	11,104.600	8.00	88,837

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
199 Waterproofing to building retaining walls	SF	11,104.600	10.00	111,046
Basement Walls			\$2.62/SF	\$977,233
Basement Construction			\$2.62/SF	\$977,233
B10 Superstructure				
B1010 Floor Construction				
168 Metal floor deck, 3" thick	SF	219,406.998	5.00	1,097,035
169 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	219,406.998	15.00	3,291,105
170 Allowance structural steel framing including beams, columns, bracing, etc.	T	1,823.03501	4,500.00	8,203,657
Floor Construction			\$33.70/SF	\$12,591,797
B1020 Roof Construction				
171 Acoustical metal roof deck, 3" thick	SF	21,254.200	15.00	318,813
172 Metal roof deck, 3" thick	SF	127,133.291	5.00	635,666
173 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	10,000.000	15.00	150,000
174 Allowance structural steel framing including beams, columns, bracing, etc.	T	1,048.08500	4,500.00	4,716,383
175 Allowance for equipment dunnage	T	10.00000	6,500.00	65,000
Roof Construction			\$15.75/SF	\$5,885,862
Superstructure			\$49.45/SF	\$18,477,659
B20 Exterior Enclosure				
B2010 Exterior Walls				
179 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc.	SF	22,154.892	95.00	2,104,715
180 High performance insulated precast concrete panel	SF	39,878.825	100.00	3,987,882
181 Large format exterior CMU veneer, including back-up, insulation, AVB, etc.	SF	16,616.284	80.00	1,329,303
184 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc.	SF	4,431.235	85.00	376,655
334 Allowance for equipment roof screen	SF	10,000.000	100.00	1,000,000
335 Allowance for miscellaneous exterior wall not listed above	SF	373,682.000	3.00	1,121,046
Exterior Walls			\$26.55/SF	\$9,919,601
B2020 Exterior Windows				
182 Curtain wall system	SF	16,616.284	125.00	2,077,036

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
183 Storefront / Window	SF	16,616.284	100.00	1,661,628
Exterior Windows			\$10.00/SF	\$3,738,664
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	373,682.000	3.50	1,307,887
Exterior Doors			\$3.50/SF	\$1,307,887
Exterior Enclosure			\$40.05/SF	\$14,966,152
B30 Roofing				
B3010 Roof Coverings				
143 Vegetated roofing	SF	10,000.000	45.00	450,000
246 PVC Membrane roofing, complete	SF	148,387.098	25.00	3,709,677
Roof Coverings			\$11.13/SF	\$4,159,677
B3020 Roof Openings				
247 Glazed aluminum skylight system	SF	6,387.000	110.00	702,570
Roof Openings			\$1.88/SF	\$702,570
Roofing			\$13.01/SF	\$4,862,247
C10 Interior Construction				
C1010 Partitions				
161 Gypsum board partitions; Corridor wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	115,881.695	15.00	1,738,225
178 CMU Partition	SF	53,662.100	25.00	1,341,552
185 Gypsum board partition	SF	258,832.304	10.00	2,588,323
248 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	373,682.000	16.00	5,978,912
Partitions			\$31.17/SF	\$11,647,012
C1020 Interior Doors				
249 Allowance for interior doors	SF	373,682.000	6.50	2,428,933
Interior Doors			\$6.50/SF	\$2,428,933
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	373,682.000	8.75	3,269,718
Fittings			\$8.75/SF	\$3,269,718
Interior Construction			\$46.42/SF	\$17,345,663

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C20 Stairs				
C2010 Stair Construction				
251 Allowance for interior stairs	SF	373,682.000	2.50	934,205
Stair Construction			\$2.50/SF	\$934,205
C2020 Stair Finishes				
100 Floor finish to Student Commons Stair, assumes precast terrazzo treads and risers	SF	603.700	45.00	27,167
105 Floor finish to Egress Stair, assumes rubber treads and risers	SF	9,961.027	20.00	199,221
252 Allowance for stair finishes	SF	373,682.000		Incl.
Stair Finishes			\$0.61/SF	\$226,388
Stairs			\$3.11/SF	\$1,160,593
C30 Interior Finishes				
C3010 Wall Finishes				
144 Wall finish to Lobby / Cafeteria, assumes 50% wood paneling to 4'-0" high	SF	3,050.600	65.00	198,289
145 Wall finish to Lobby / Cafeteria, assumes 50% large format porcelain to 4'-0" high	SF	3,050.600	25.00	76,265
146 Wall finish to Auditorium, assumes wood paneling to 13'-0" high	SF	8,981.700	65.00	583,810
147 Wall finish to Gymnasium, assumes acoustical fiber panel to 4'-0" high	SF	4,720.400	50.00	236,020
148 Wall finish to Gymnasium, assumes 50% gym pad to 6'-0" high	SF	3,540.200	15.00	53,103
149 Wall finish to Library / Media Center, assumes 50% wood paneling to 10'-0" high	SF	3,660.600	65.00	237,939
150 Wall finish to Library / Media Center, assumes 50% fabric wrapped acoustical fiber to 10'-0" high	SF	3,660.600	45.00	164,727
151 Wall finish to Culinary Arts Restaurant, assumes 50% wood paneling to 10'-0" high	SF	1,236.000	50.00	61,800
152 Wall finish to Culinary Arts Restaurant, assumes 50% porcelain tile to 10'-0" high	SF	1,236.000	20.00	24,720
153 Wall finish to Cosmetology Salon, assumes 50% wood paneling to 10'-0" high	SF	1,900.000	50.00	95,000
154 Wall finish to Cosmetology Salon, assumes 50% porcelain tile to 10'-0" high	SF	1,900.000	20.00	38,000
155 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	41,386.395	18.00	744,955
156 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	3,756.628	18.00	67,620

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
157 Wall finish to Kitchen, assumes 50% FRP to 10'-0" high	SF	3,452.000	25.00	86,300
158 Wall finish to BOH areas, assumes FRP to 10'-0" high	SF	2,480.400	25.00	62,010
159 Epoxy paint finish to CMU partitions	SF	48,296.000	2.00	96,592
160 Paint finish to GWB partitions	SF	286,067.428	1.25	357,583
253 Allowance for miscellaneous wall finishes now listed above	SF	373,682.000	5.00	1,868,410
Wall Finishes			\$13.52/SF	\$5,053,143
C3020 Floor Finishes				
83 Moisture mitigation system - not required	SF	134,140.967		Excl.
85 Floor finish to Corridor, assumes rubber tile 4mm	SF	48,694.197	12.00	584,330
84 Floor finish to Lobby, assumes epoxy terrazzo	SF	11,159.800	35.00	390,593
86 Floor finish to Classroom (Lower Level), assumes linoleum tile	SF	1,989.600	7.00	13,927
111 Floor finish to Classroom (Upper Level), assumes cushioned acoustical tile	SF	48,842.700	8.50	415,163
112 Floor finish to Science Lab, assumes sheet vinyl with integral base	SF	11,683.700	10.00	116,837
87 Floor finish to Administrative Area, assumes carpet	SY	1,176.000	50.00	58,800
88 Floor finish to Toilet, assumes ceramic mosaic tile	SF	3,809.723	18.00	68,575
113 Floor finish to Shop Toilet, assumes poured epoxy floor	SF	701.000	14.00	9,814
89 Floor finish to Vocational Shop (Lower Level), assumes epoxy sealer	SF	71,657.800	2.25	161,230
90 Floor finish to Vocational Shop (Upper Level), assumes linoleum tile	SF	47,983.700	6.50	311,894
93 Floor finish to Gymnasium, assumes athletic performance wood floor	SF	16,919.700	20.00	338,394
91 Floor finish to Locker Room, assumes 50% ceramic mosaic tile	SF	3,574.397	18.00	64,339
94 Floor finish to Locker Room, assumes 50% poured epoxy floor	SF	3,574.397	12.00	42,893
92 Floor finish to Auditorium isles, assumes 20% of Auditorium area, assumes carpet	SY	179.400	55.00	9,867
95 Floor finish to Auditorium seating areas, assumes 80% of Auditorium area, assumes epoxy sealer	SF	6,447.700	2.25	14,507
97 Floor finish to Auditorium Stage, assumes wood sprung floor with replaceable plywood surface painted black	SF	1,638.100	25.00	40,953

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
98 Floor finish to Auditorium BOH / Dressing, assumes epoxy sealer	SF	1,654.100	2.25	3,722
99 Floor finish to Cafeteria / Student Commons, assumes porcelain tile	SF	8,296.600	20.00	165,932
101 Floor finish to Kitchen / Culinary Arts Kitchen, assumes poured epoxy floor	SF	7,140.000	14.00	99,960
102 Floor finish to Culinary Arts Restaurant, assumes porcelain tile	SF	3,034.000	18.00	54,612
103 Floor finish to Cosmetology Salon, assumes porcelain tile	SF	6,201.400	20.00	124,028
104 Floor finish to Library / Media Center, assumes carpet	SY	685.000	55.00	37,675
106 Floor finish to MEP areas, assumes poured epoxy floor	SF	6,741.920	14.00	94,386
107 Floor finish to BOH areas, assumes poured epoxy floor	SF	3,797.087	14.00	53,159
114 Wall base to Corridor, assumes resilient	LF	8,446.995	5.00	42,234
115 Wall base to Lobby, assumes epoxy terrazzo	LF	987.900		Incl.
116 Wall base to Classroom, assumes resilient	LF	7,604.400	5.00	38,022
119 Wall base to Administrative Area, assumes resilient	LF	1,838.000	5.00	9,190
120 Wall base to Toilet, assumes ceramic mosaic tile	LF	939.157	18.00	16,904
121 Wall base to Shop Toilet, assumes resilient	LF	280.000	5.00	1,400
123 Wall base to Vocational Shop, assumes resilient	LF	8,118.900	5.00	40,594
124 Wall base to Gymnasium, assumes vented rubber base	LF	1,180.200	10.00	11,802
125 Wall base to Locker Room, assumes 50% ceramic mosaic tile	LF	243.383	18.00	4,381
126 Wall base to Locker Room, assumes 50% resilient	LF	243.383	5.00	1,217
128 Wall base to Auditorium, assumes resilient	LF	552.900	5.00	2,764
131 Wall base to Auditorium BOH / Dressing, assumes resilient	LF	390.500	5.00	1,952
132 Wall base to Cafeteria / Student Commons, assumes porcelain tile	LF	537.600	20.00	10,752
133 Wall base to Kitchen / Culinary Arts Kitchen, assumes resilient	LF	690.500	5.00	3,453
134 Wall base to Culinary Arts Restaurant, assumes porcelain tile	LF	248.000	50.00	12,400
135 Wall base to Cosmetology Salon, assumes porcelain tile	LF	380.100	50.00	19,005
136 Wall base to Library / Media Center, assumes resilient	LF	732.200	5.00	3,661

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
138 Wall base to MEP areas, assumes resilient	LF	1,173.615	5.00	5,868
139 Wall base to BOH areas, assumes resilient	LF	798.356	5.00	3,992
Floor Finishes			\$9.38/SF	\$3,505,181
C3030 Ceiling Finishes				
56 Ceiling finish to Corridor / Lobby, assumes ACT	SF	59,853.997	5.00	299,270
77 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	10,619.894	16.00	169,918
57 Ceiling finish to Classroom / Science Lab, assumes ACT high NRC	SF	62,515.600	10.00	625,156
58 Ceiling finish to Administrative Area, assumes ACT high NRC	SF	10,581.400	10.00	105,814
59 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	4,509.985	17.00	76,670
60 Ceiling finish to Vocational Shop (Main Level), assumes paint finish to exposed structure	SF	5,710.000	1.50	8,565
62 Ceiling finish to Vocational Shop (Main Level w/ Acoustical Requirement), assumes (2) layers of GWB on hat channels, on suspended metal stud, 6" acoustical insulation (acoustically separate from the learning spaces above)	SF	60,352.700	20.00	1,207,054
61 Ceiling finish to Vocational Shop Theory Room / Office, assumes ACT	SF	5,595.000	5.00	27,975
63 Ceiling finish to Vocational (Upper Level), assumes ACT high NRC	SF	47,983.500	10.00	479,835
64 Ceiling finish to Gymnasium, assumes paint finish to exposed structure with structural metal cellular acoustical deck	SF	16,919.700	2.50	42,299
65 Ceiling finish to Locker Room, assumes painted moisture resistant GWB	SF	7,148.548	17.00	121,525
66 Ceiling finish to Auditorium, assumes paint finish to exposed structure	SF	8,059.700	1.50	12,090
67 Ceiling finish to Auditorium, assumes 50% suspended acoustical ceiling clouds premium	SF	4,029.900	9.00	36,269
68 Ceiling finish to Auditorium Stage, assumes paint finish to exposed structure	SF	1,638.100	1.50	2,457
72 Ceiling finish to Auditorium BOH / Dressing, assumes paint finish to exposed structure	SF	1,654.100	2.50	4,135
69 Ceiling finish to Cafeteria / Student Commons, assumes 50% premium ACT	SF	4,148.400	6.50	26,965
70 Ceiling finish to Cafeteria / Student Commons, assumes 50% specialty metal ceiling system (imitating wood grain)	SF	4,148.400	65.00	269,646

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
71 Ceiling finish to Kitchen / Culinary Arts Kitchen, assumes ACT washable	SF	7,140.000	6.00	42,840
73 Ceiling finish to Culinary Arts Restaurant, assumes vertical metal ceiling system with ACT suspended grid	SF	3,034.000	45.00	136,530
74 Ceiling finish to Cosmetology Salon, assumes specialty metal ceiling system with ACT suspended grid	SF	6,201.400	45.00	279,063
75 Ceiling finish to Library / Media Center, assumes premium ACT	SF	6,164.500	6.00	36,987
76 Ceiling finish to Library / Media Center, assumes 10% GWB soffits	SF	616.700	20.00	12,334
78 Ceiling finish to MEP areas, assumes paint finish to exposed structure	SF	6,741.920	1.50	10,113
79 Ceiling finish to BOH areas, assumes paint finish to exposed structure	SF	3,797.087	1.50	5,696
254 Allowance for miscellaneous ceiling finish not listed above	SF	373,682.000	1.00	373,682
Ceiling Finishes			\$11.81/SF	\$4,412,888
Interior Finishes			\$34.71/SF	\$12,971,212
D10 Conveying				
D1010 Elevators & Lifts				
257 Passenger elevators - 3 stops	EA	1.000	180,000.00	180,000
258 Passenger elevators - 4 stops	EA	1.000	240,000.00	240,000
Elevators & Lifts			\$1.12/SF	\$420,000
Conveying			\$1.12/SF	\$420,000
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	373,682.000	3.00	1,121,046
Plumbing Fixtures			\$3.00/SF	\$1,121,046
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	373,682.000	5.00	1,868,410
Domestic Water Distribution			\$5.00/SF	\$1,868,410
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	373,682.000	3.00	1,121,046
Sanitary Waste			\$3.00/SF	\$1,121,046
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	373,682.000	2.00	747,364
Rain Water Drainage			\$2.00/SF	\$747,364

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	373,682.000	5.00	1,868,410
Other Plumbing Systems			\$5.00/SF	\$1,868,410
Plumbing			\$18.00/SF	\$6,726,276
D30 HVAC				
D3020 Heat Generating Systems				
277 Gas fired hot water boiler, 4,250 MBH	EA	4.000	106,000.00	424,000
278 Hot water pumps, 200 GPM	EA	4.000	2,250.00	9,000
293 Secondary hot water pump, 300 GPM	EA	3.000	3,500.00	10,500
279 Glycol make-up	EA	3.700	7,500.00	27,750
280 Expansion tanks	EA	4.000	3,500.00	14,000
281 Air separators	EA	3.700	2,500.00	9,250
282 VFD	EA	7.000	4,000.00	28,000
283 Pump hook-ups	EA	7.000	1,250.00	8,750
Heat Generating Systems			\$1.42/SF	\$531,250
D3030 Cooling Generating Systems				
289 VRF's including condenser allowances	T	375.00000	5,000.00	1,875,000
290 VRF unit hook-ups	EA	14.000	1,000.00	14,000
291 Allowance for refrigerant, piping, etc.	SF	373,682.000	3.00	1,121,046
294 Primary chilled pump, 360 GPM	EA	3.000	8,000.00	24,000
295 Secondary chilled pump, 300 GPM	EA	3.000	6,500.00	19,500
296 Pump hook-ups	EA	6.000	1,250.00	7,500
297 VFD	EA	6.000	4,000.00	24,000
298 Air separators	EA	1.000	2,500.00	2,500
Cooling Generating Systems			\$8.26/SF	\$3,087,546
D3040 Distribution Systems				
288 Heating and ventilating units	CFM	102,050.000	7.00	714,350
299 Allowance for ductworking, hot water piping, chilled water piping, grilles, returns, hoods, fans, attenuation, etc.	SF	373,682.000	25.00	9,342,050
Distribution Systems			\$26.91/SF	\$10,056,400
D3050 Terminal & Package Units				
284 Dedicated outside air units	CFM	74,400.000	31.50	2,343,600
285 Single zone Rooftop AHU's	CFM	30,500.000	10.00	305,000
286 Multiple zone Rooftop AHU's	CFM	23,600.000	15.00	354,000
287 Energy recovery ventilator	CFM	5,200.000	16.50	85,800

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
292 Air-cooled heat pumps, 100 ton	EA	3.000	140,000.00	420,000
Terminal & Package Units			\$9.39/SF	\$3,508,400
D3060 Controls & Instrumentations				
300 Allowance for controls system	SF	373,682.000	7.00	2,615,774
Controls & Instrumentations			\$7.00/SF	\$2,615,774
D3070 Systems Testing & Balancing				
301 Testing and balancing	SF	373,682.000	0.60	224,209
Systems Testing & Balancing			\$0.60/SF	\$224,209
D3090 Other HVAC Systems & Equipment				
302 Allowance for rigging, temporary heating, commissioning, co-ordination, as-builts, etc.	SF	373,682.000	4.50	1,681,569
Other HVAC Systems & Equipment			\$4.50/SF	\$1,681,569
HVAC			\$58.08/SF	\$21,705,148
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	373,682.000	5.50	2,055,251
Sprinklers			\$5.50/SF	\$2,055,251
Fire Protection			\$5.50/SF	\$2,055,251
D50 Electrical				
D5010 Electrical Service & Distribution				
318 Main switchboard, 6,000A/480/277V/3Ph-4W	EA	1.000	325,000.00	325,000
319 Allowance for panelboards, transformers, feeders, ATS, mechanical connections, etc.	SF	373,682.000	5.00	1,868,410
320 Emergency Power: Diesel fueled generator, 600kW, including sound attenuated enclosure	EA	1.000	290,000.00	290,000
Electrical Service & Distribution			\$6.65/SF	\$2,483,410
D5020 Lighting and Branch Wiring				
321 Allowance for light fixtures including wiring and controls	SF	373,682.000	15.00	5,605,230
322 Allowance for secondary branch power including receptacles, junction boxes, wiring, etc.	SF	373,682.000	7.50	2,802,615
Lighting and Branch Wiring			\$22.50/SF	\$8,407,845
D5030 Communications & Security				
305 Tel/Data cabling system (per 3Si)	LS	1.000	1,739,625.00	1,739,625
306 Audio visual cabling (per 3Si)	LS	1.000	104,000.00	104,000
307 IPTV and video on demand system (per 3Si)	LS	1.000	360,000.00	360,000
308 Large venue audio/visual system (per 3Si)	LS	1.000	455,000.00	455,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
309 Classroom speech reinforcement systems	LS	1.000	244,200.00	244,200
310 Instructional audio/visual systems	LS	1.000	650,000.00	650,000
311 Public address system	LS	1.000	218,200.00	218,200
312 Clock system	LS	1.000	126,300.00	126,300
313 Integrated electronic security system (per 3Si)	LS	1.000	1,297,200.00	1,297,200
314 Allowance for security rough-ins	SF	373,682.000	0.25	93,421
315 Allowance for fire alarm systems	SF	373,682.000	2.50	934,205
316 Allowance for communication system rough-ins	SF	373,682.000	0.25	93,421
Communications & Security			\$16.90/SF	\$6,315,572
D5090 Other Electrical Systems				
323 Allowance for lightning protection	SF	373,682.000	0.50	186,841
324 Allowance for testing, commissioning, temporary lighting, as-buits, etc.	SF	373,682.000	2.00	747,364
325 PV system - by Others	LS	1.000		Excl.
Other Electrical Systems			\$2.50/SF	\$934,205
Electrical			\$48.55/SF	\$18,141,032
E10 Equipment				
E1010 Commercial Equipment				
260 Food service equipment (per TDA)	LS	1.000	825,000.00	825,000
Commercial Equipment			\$2.21/SF	\$825,000
E1090 Other Equipment				
262 Basketball backstops	LS	1.000	27,000.00	27,000
263 Stage Curtains and Rigging - Powered rigging (per TDA)	LS	1.000	650,000.00	650,000
264 Divider curtains (per TDA)	LS	1.000	32,000.00	32,000
265 Gym wall padding (per TDA)	LS	1.000	25,000.00	25,000
267 Automotive Refinishing - Booths/Frame machine (per TDA)	LS	1.000	325,000.00	325,000
268 Automotive Tech - Lifts (per TDA)	LS	1.000	160,000.00	160,000
269 HVAC/plumbing - Boiler/Furnace/Split Systems (per TDA)	LS	1.000	65,000.00	65,000
Other Equipment			\$3.44/SF	\$1,284,000
Equipment			\$5.64/SF	\$2,109,000
E20 Furnishings				
E2010 Fixed Furnishings				
261 Fixed casework and equipment (per TDA)	LS	1.000	1,225,000.00	1,225,000
266 Telescoping bleachers (per TDA)	LS	1.000	215,000.00	215,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A1 Main Building (continued)

GFA: 373,682 SF Cost/SF: \$353.49

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
270 Cosmetology - Wet Stations/Manicure/Styling	LS	1.000	110,000.00	110,000
Fixed Furnishings			\$4.15/SF	\$1,550,000
Furnishings			\$4.15/SF	\$1,550,000
MAIN BUILDING			\$353.49/SF	\$132,091,318

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	362.037	90.00	32,583
191 Allowance for isolated footing	SF	3,600.010	3.50	12,600
192 Air and vapor barrier	SF	1,086.019	0.30	326
193 Rigid insulation, 2" thick	SF	1,086.019	3.00	3,258
195 Perimeter foundation walls - allow 12" thick	SF	1,086.019	55.00	59,731
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	3,600.001	0.55	1,980
Standard Foundations			\$15.34/SF	\$110,478
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	3,600.001	0.75	2,700
163 Granular fill below slab on grade, re-use excavated materials	CY	400.002	10.00	4,000
164 Air and vapor barrier	SF	3,600.001	0.25	900
165 Rigid insulation, 2" thick	SF	3,600.001	3.25	11,700
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	3,600.003	8.00	28,800
329 Allowance for radon system	SF	3,600.009	1.25	4,500
Slab on Grade			\$7.31/SF	\$52,600
Foundations			\$22.65/SF	\$163,078
B10 Superstructure				
B1010 Floor Construction				
168 Metal floor deck, 3" thick	SF	3,600.002	5.00	18,000
169 Lightweight concrete topping to slab on metal deck including WWF reinforcement, finish, protection, etc. - 5 1/4" overall thickness	SF	3,600.002	15.00	54,000
170 Allowance structural steel framing including beams, columns, bracing, etc.	T	26.99999	4,500.00	121,500
Floor Construction			\$26.88/SF	\$193,500

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building (continued)

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
B1020 Roof Construction				
172 Metal roof deck, 3" thick	SF	3,600.009	5.00	18,000
Roof Construction			\$2.50/SF	\$18,000
Superstructure			\$29.38/SF	\$211,500
B20 Exterior Enclosure				
B2010 Exterior Walls				
179 3" Insulated metal panel, including LGMF back-up, insulation, AVB, interior GWB liner, etc.	SF	1,971.208	95.00	187,265
180 High performance insulated precast concrete panel	SF	3,548.175	100.00	354,818
181 Large format exterior CMU veneer, including back-up, insulation, AVB, etc.	SF	1,478.416	80.00	118,273
184 Aluminum composite metal panel, including LGMF back-up, exterior sheathing, insulation, AVB, interior GWB liner, etc.	SF	394.265	85.00	33,513
Exterior Walls			\$96.37/SF	\$693,869
B2020 Exterior Windows				
182 Curtain wall system	SF	1,478.416	125.00	184,802
183 Storefront / Window	SF	1,478.416	100.00	147,842
Exterior Windows			\$46.20/SF	\$332,644
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	7,200.000	3.50	25,200
Exterior Doors			\$3.50/SF	\$25,200
Exterior Enclosure			\$146.07/SF	\$1,051,713
B30 Roofing				
B3010 Roof Coverings				
246 PVC Membrane roofing, complete	SF	3,600.002	25.00	90,000
Roof Coverings			\$12.50/SF	\$90,000
Roofing			\$12.50/SF	\$90,000
C10 Interior Construction				
C1010 Partitions				
161 Gypsum board partitions; Corridor wall, assumes metal stud with (3) layers of 5/8" GWB, mineral wool insulation	SF	4,270.005	15.00	64,050
185 Gypsum board partition	SF	-6,899.204	10.00	-68,992
248 Allowance for miscellaneous interior partitions not listed above such interior storefront, movable walls, etc.	SF	7,200.000	16.00	115,200
Partitions			\$15.31/SF	\$110,258

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building (continued)

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C1020 Interior Doors				
249 Allowance for interior doors	SF	7,200.000	6.50	46,800
Interior Doors			\$6.50/SF	\$46,800
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	7,200.000	8.75	63,000
Fittings			\$8.75/SF	\$63,000
Interior Construction			\$30.56/SF	\$220,058
C20 Stairs				
C2010 Stair Construction				
251 Allowance for interior stairs	SF	7,200.000	2.50	18,000
Stair Construction			\$2.50/SF	\$18,000
C2020 Stair Finishes				
105 Floor finish to Egress Stair, assumes rubber treads and risers	SF	701.273	20.00	14,025
252 Allowance for stair finishes	SF	7,200.000		Incl.
Stair Finishes			\$1.95/SF	\$14,025
Stairs			\$4.45/SF	\$32,025
C30 Interior Finishes				
C3010 Wall Finishes				
155 Wall finish to Corridor, assumes 75% ceramic tile wainscoting to 5'-0" high	SF	1,525.005	18.00	27,450
156 Wall finish to Toilet, assumes ceramic tile to 4'-0" high	SF	1,490.572	18.00	26,830
160 Paint finish to GWB partitions	SF	-12,674.428	1.25	-15,843
253 Allowance for miscellaneous wall finishes now listed above	SF	7,200.000	5.00	36,000
Wall Finishes			\$10.34/SF	\$74,437
C3020 Floor Finishes				
83 Moisture mitigation system - not required	SF	1,603.533		Excl.
85 Floor finish to Corridor, assumes rubber tile 4mm	SF	1,270.003	12.00	15,240
88 Floor finish to Toilet, assumes ceramic mosaic tile	SF	1,843.577	18.00	33,184
91 Floor finish to Locker Room, assumes 50% ceramic mosaic tile	SF	776.303	18.00	13,973
94 Floor finish to Locker Room, assumes 50% poured epoxy floor	SF	776.303	12.00	9,316

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building (continued)

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
106 Floor finish to MEP areas, assumes poured epoxy floor	SF	348.980	14.00	4,886
107 Floor finish to BOH areas, assumes poured epoxy floor	SF	1,050.013	14.00	14,700
110 Floor finish to Concession, assumes carpet	SY	76.000	50.00	3,800
114 Wall base to Corridor, assumes resilient	LF	305.005	5.00	1,525
120 Wall base to Toilet, assumes ceramic mosaic tile	LF	372.643	18.00	6,708
125 Wall base to Locker Room, assumes 50% ceramic mosaic tile	LF	132.517	18.00	2,385
126 Wall base to Locker Room, assumes 50% resilient	LF	132.517	5.00	663
138 Wall base to MEP areas, assumes resilient	LF	100.885	5.00	504
139 Wall base to BOH areas, assumes resilient	LF	130.044	5.00	650
142 Wall base to Concession, assumes resilient	LF	106.000	5.00	530
Floor Finishes			\$15.01/SF	\$108,064
C3030 Ceiling Finishes				
56 Ceiling finish to Corridor / Lobby, assumes ACT	SF	1,270.003	5.00	6,350
77 Ceiling finish to Corridor / Lobby, assumes 10% GWB soffits	SF	254.006	16.00	4,064
59 Ceiling finish to Toilet, assumes moisture resistant GWB	SF	1,843.515	17.00	31,340
65 Ceiling finish to Locker Room, assumes painted moisture resistant GWB	SF	1,552.552	17.00	26,393
78 Ceiling finish to MEP areas, assumes paint finish to exposed structure	SF	348.980	1.50	523
79 Ceiling finish to BOH areas, assumes paint finish to exposed structure	SF	1,050.013	1.50	1,575
82 Ceiling finish to Concession, assumes ACT	SF	683.000	5.00	3,415
254 Allowance for miscellaneous ceiling finish mot listed above	SF	7,200.000	1.00	7,200
Ceiling Finishes			\$11.23/SF	\$80,860
Interior Finishes			\$36.58/SF	\$263,361
D10 Conveying				
D1010 Elevators & Lifts				
256 Passenger elevators - 2 stops	EA	1.000	120,000.00	120,000
Elevators & Lifts			\$16.67/SF	\$120,000
Conveying			\$16.67/SF	\$120,000

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A2 Concessions/Locker Building (continued)

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	7,200.000	3.00	21,600
Plumbing Fixtures			\$3.00/SF	\$21,600
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	7,200.000	5.00	36,000
Domestic Water Distribution			\$5.00/SF	\$36,000
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	7,200.000	3.00	21,600
Sanitary Waste			\$3.00/SF	\$21,600
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	7,200.000	2.00	14,400
Rain Water Drainage			\$2.00/SF	\$14,400
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	7,200.000	5.00	36,000
Other Plumbing Systems			\$5.00/SF	\$36,000
Plumbing			\$18.00/SF	\$129,600
D30 HVAC				
D3090 Other HVAC Systems & Equipment				
303 Allowance for HVAC system to support building - Concessions/Lockers	SF	7,200.000	45.00	324,000
Other HVAC Systems & Equipment			\$45.00/SF	\$324,000
HVAC			\$45.00/SF	\$324,000
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	7,200.000	5.50	39,600
Sprinklers			\$5.50/SF	\$39,600
Fire Protection			\$5.50/SF	\$39,600

Preferred Schematic Report - New Construction - Revision 3

C3 OPTION C3 - 1,600 STUDENTS

GFA: 7,200 SF Cost/SF: \$397.35

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D50 Electrical				
D5090 Other Electrical Systems				
326 Allowance for electrical systems to support buildings	SF	7,200.000	30.00	216,000
Other Electrical Systems			\$30.00/SF	\$216,000
Electrical			\$30.00/SF	\$216,000
CONCESSIONS/LOCKER BUILDING			\$397.35/SF	\$2,860,935

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A3 Maintenance Building

GFA: 1,771 SF Cost/SF: \$348.45

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	176.377	90.00	15,874
191 Allowance for isolated footing	SF	1,771.804	3.50	6,201
192 Air and vapor barrier	SF	529.087	0.30	159
193 Rigid insulation, 2" thick	SF	529.087	3.00	1,587
195 Perimeter foundation walls - allow 12" thick	SF	529.087	55.00	29,100
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	1,771.799	0.55	974
Standard Foundations			\$30.43/SF	\$53,895
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	1,771.799	0.75	1,329
163 Granular fill below slab on grade, re-use excavated materials	CY	196.868	10.00	1,969
164 Air and vapor barrier	SF	1,771.799	0.25	443
165 Rigid insulation, 2" thick	SF	1,771.799	3.25	5,758
166 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 6" thick	SF	1,771.799	10.00	17,718
Slab on Grade			\$15.37/SF	\$27,217
Foundations			\$45.80/SF	\$81,112
B20 Exterior Enclosure				
B2010 Exterior Walls				
187 Exterior wall to Maintenance Garage, assumes 19'-0" high	SF	3,199.200	50.00	159,960
188 Paint finish to interior face of exterior wall (Maintenance Garage)	SF	3,030.500	1.25	3,788
Exterior Walls			\$92.46/SF	\$163,748
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	1,771.000	3.50	6,199
Exterior Doors			\$3.50/SF	\$6,199
Exterior Enclosure			\$95.96/SF	\$169,947

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A3 Maintenance Building (continued)

GFA: 1,771 SF Cost/SF: \$348.45

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C10 Interior Construction				
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	1,771.000	8.75	15,496
Fittings			\$8.75/SF	\$15,496
Interior Construction			\$8.75/SF	\$15,496
C30 Interior Finishes				
C3010 Wall Finishes				
253 Allowance for miscellaneous wall finishes now listed above	SF	1,771.000	5.00	8,855
Wall Finishes			\$5.00/SF	\$8,855
C3020 Floor Finishes				
109 Floor finish to Maintenance Garage, assumes concrete selaer	SF	1,599.900	2.25	3,600
Floor Finishes			\$2.03/SF	\$3,600
C3030 Ceiling Finishes				
81 Ceiling finish to Maintenance Garage, assumes paint finish to exposed structure	SF	1,599.900	1.50	2,400
254 Allowance for miscellaneous ceiling finish mot listed above	SF	1,771.000	1.00	1,771
Ceiling Finishes			\$2.36/SF	\$4,171
Interior Finishes			\$9.39/SF	\$16,626
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	1,771.000	3.00	5,313
Plumbing Fixtures			\$3.00/SF	\$5,313
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	1,771.000	5.00	8,855
Domestic Water Distribution			\$5.00/SF	\$8,855
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	1,771.000	3.00	5,313
Sanitary Waste			\$3.00/SF	\$5,313
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	1,771.000	2.00	3,542
Rain Water Drainage			\$2.00/SF	\$3,542

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A3 Maintenance Building (continued)

GFA: 1,771 SF Cost/SF: \$348.45

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such gas piping, coordination, etc.	SF	1,771.000	5.00	8,855
Other Plumbing Systems			\$5.00/SF	\$8,855
Plumbing			\$18.00/SF	\$31,878
D30 HVAC				
D3090 Other HVAC Systems & Equipment				
304 Allowance for HVAC system to support building - Maintenance/Tickets	SF	1,771.000	35.00	61,985
Other HVAC Systems & Equipment			\$35.00/SF	\$61,985
HVAC			\$35.00/SF	\$61,985
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	1,771.000	5.50	9,741
Sprinklers			\$5.50/SF	\$9,741
Fire Protection			\$5.50/SF	\$9,741
D50 Electrical				
D5090 Other Electrical Systems				
326 Allowance for electrical systems to support buildings	SF	1,771.000	30.00	53,130
Other Electrical Systems			\$30.00/SF	\$53,130
Electrical			\$30.00/SF	\$53,130
F10 Special Construction				
F1030 Special Construction Systems				
200 Allowance for pre-engineered structures	SF	1,771.851	100.00	177,185
Special Construction Systems			\$100.05/SF	\$177,185
Special Construction			\$100.05/SF	\$177,185
MAINTENANCE BUILDING			\$348.45/SF	\$617,100

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A4 Ticket Office/Concessions

GFA: 1,600 SF Cost/SF: \$370.16

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
A10 Foundations				
A1010 Standard Foundations				
189 Foundation wall strip footing - allow 3' x 12" deep	LF	209.522	90.00	18,857
191 Allowance for isolated footing	SF	1,600.005	3.50	5,600
192 Air and vapor barrier	SF	628.511	0.30	189
193 Rigid insulation, 2" thick	SF	628.511	3.00	1,886
195 Perimeter foundation walls - allow 12" thick	SF	628.511	55.00	34,568
243 Foundation excavation included with site preparation	LS	1.000		Incl.
244 Allowance for foundation backfill	SF	1,600.001	0.55	880
Standard Foundations			\$38.74/SF	\$61,980
A1020 Special Foundations				
194 Special foundations such piles, etc. - assumed not required	LS	1.000		Excl.
Special Foundations				Excl.
A1030 Slab on Grade				
162 Prepare and compact subbase	SF	1,600.001	0.75	1,200
163 Granular fill below slab on grade, re-use excavated materials	CY	177.780	10.00	1,778
164 Air and vapor barrier	SF	1,600.001	0.25	400
165 Rigid insulation, 2" thick	SF	1,600.001	3.25	5,200
167 Concrete slab on grade including forming, WWF reinforcement, finish, protection, etc. - 5" thick	SF	1,600.002	8.00	12,800
Slab on Grade			\$13.36/SF	\$21,378
Foundations			\$52.10/SF	\$83,358
B20 Exterior Enclosure				
B2010 Exterior Walls				
255 Exterior wall to Ticket Office, assumes 17'-0" high	SF	3,561.700	50.00	178,085
Exterior Walls			\$111.30/SF	\$178,085
B2030 Exterior Doors				
245 Allowance for exterior doors	SF	1,600.000	3.50	5,600
Exterior Doors			\$3.50/SF	\$5,600
Exterior Enclosure			\$114.80/SF	\$183,685

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A4 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$370.16

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
C10 Interior Construction				
C1030 Fittings				
250 Allowance for miscellaneous fittings such as casework, toilet accessories, miscellaneous metals, lockers, etc.	SF	1,600.000	8.75	14,000
Fittings			\$8.75/SF	\$14,000
Interior Construction			\$8.75/SF	\$14,000
C30 Interior Finishes				
C3010 Wall Finishes				
253 Allowance for miscellaneous wall finishes now listed above	SF	1,600.000	5.00	8,000
Wall Finishes			\$5.00/SF	\$8,000
C3030 Ceiling Finishes				
254 Allowance for miscellaneous ceiling finish not listed above	SF	1,600.000	1.00	1,600
Ceiling Finishes			\$1.00/SF	\$1,600
Interior Finishes			\$6.00/SF	\$9,600
D20 Plumbing				
D2010 Plumbing Fixtures				
271 Allowance for plumbing fixtures	SF	1,600.000	3.00	4,800
Plumbing Fixtures			\$3.00/SF	\$4,800
D2020 Domestic Water Distribution				
272 Allowance for domestic water distribution	SF	1,600.000	5.00	8,000
Domestic Water Distribution			\$5.00/SF	\$8,000
D2030 Sanitary Waste				
273 Allowance for sanitary waste system	SF	1,600.000	3.00	4,800
Sanitary Waste			\$3.00/SF	\$4,800
D2040 Rain Water Drainage				
274 Allowance for rain water system	SF	1,600.000	2.00	3,200
Rain Water Drainage			\$2.00/SF	\$3,200
D2090 Other Plumbing Systems				
275 Allowance miscellaneous plumbing system such as gas piping, coordination, etc.	SF	1,600.000	5.00	8,000
Other Plumbing Systems			\$5.00/SF	\$8,000
Plumbing			\$18.00/SF	\$28,800

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3A BUILDING

C3A4 Ticket Office/Concessions (continued)

GFA: 1,600 SF Cost/SF: \$370.16

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
D30 HVAC				
D3090 Other HVAC Systems & Equipment				
304 Allowance for HVAC system to support building - Maintenance/Tickets	SF	1,600.000	35.00	56,000
Other HVAC Systems & Equipment			\$35.00/SF	\$56,000
HVAC			\$35.00/SF	\$56,000
D40 Fire Protection				
D4010 Sprinklers				
276 Allowance for sprinkler systems	SF	1,600.000	5.50	8,800
Sprinklers			\$5.50/SF	\$8,800
Fire Protection			\$5.50/SF	\$8,800
D50 Electrical				
D5090 Other Electrical Systems				
326 Allowance for electrical systems to support buildings	SF	1,600.000	30.00	48,000
Other Electrical Systems			\$30.00/SF	\$48,000
Electrical			\$30.00/SF	\$48,000
F10 Special Construction				
F1030 Special Construction Systems				
200 Allowance for pre-engineered structures	SF	1,600.049	100.00	160,005
Special Construction Systems			\$100.00/SF	\$160,005
Special Construction			\$100.00/SF	\$160,005
TICKET OFFICE/CONCESSIONS			\$370.16/SF	\$592,248

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3S SITEWORK

C3S1 Site Improvements

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
F20 Selective Building Demolition				
F2010 Building Elements Demolition				
317 Demolish existing school building	SF	239,144.000	6.00	1,434,864
Building Elements Demolition				\$1,434,864
F2020 Hazardous Components Abatement				
201 Allowance for hazardous materials abatement	LS	1.000	1,919,675.00	1,919,675
Hazardous Components Abatement				\$1,919,675
Selective Building Demolition				\$3,354,539
G10 Site Preparation				
G1010 Site Clearing				
15 Allowance for site clearing	Acre	13.0700	1,500.00	19,605
203 Construction fence	LF	10,436.700	15.00	156,550
204 Construction entrance	EA	2.000	7,500.00	15,000
206 Mobilization	LS	1.000	85,000.00	85,000
208 Submittals, as-builts, layouts, etc.	LS	1.000	50,000.00	50,000
209 Erosion controls including maintenance	SF	568,881.300	0.15	85,332
Site Clearing				\$411,487
G1020 Site Demolition and Relocations				
1 Break-out existing pavement	SF	240,285.800	1.00	240,286
2 Break-out existing walkways	SF	21,028.100	1.00	21,028
3 Remove existing curbs	LF	3,957.700	5.00	19,789
5 Remove existing bleachers	SF	71.800	2.99	215
6 Remove existing site support structures (shed, etc.)	SF	5,686.300	2.00	11,373
7 Remove existing fence	LF	2,645.500	10.00	26,455
8 Break-out existing concrete pads	SF	5,003.900	3.00	15,012
9 Remove existing metal guardrail	LF	706.700	15.00	10,601
10 Remove existing light posts	EA	16.000	300.00	4,800
12 Remove existing benches	EA	4.000	150.00	600
13 Remove existing trees	EA	167.000	700.00	116,900
327 Sawcut and break-out existing roadway due to utility construction	SF	2,196.500	15.75	34,595
14 Allowance for miscellaneous demolition not listed above	SF	1,515,470.600	0.50	757,736
Site Demolition and Relocations				\$1,259,390
G1030 Site Earthwork				
210 Cut to proposed level - allow rock excavation	CY	117,174.700	60.00	7,030,482

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3S SITEWORK

C3S1 Site Improvements (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
211 Fill to proposed level, re-use excavated materials	CY	14,365.200	10.00	143,652
331 Fill to proposed level	CY	43,095.200	25.00	1,077,380
212 Allowance for fine grading	SF	568,881.300	0.15	85,332
213 Allowance for minor dewatering	LS	1.000	15,000.00	15,000
215 Allowance for dust control	LS	1.000	50,000.00	50,000
Site Earthwork				\$8,401,846
Site Preparation				\$10,072,723
G20 Site Improvements				
G2010 Roadways				
216 Prepare and compact subbase	SF	166,515.800	0.35	58,281
217 Compacted gravel base, allow 12" thick	CY	6,167.400	40.00	246,696
218 Asphalt roadway including binder and top course, allow 4" overall thickness	SY	18,258.000	40.00	730,320
328 Re-paved existing roadway due to utilities construction	SY	244.200	50.00	12,210
16 Granite curbs	LF	9,929.900	55.00	546,145
19 Pavement markings; line painting	LF	1,264.400	3.00	3,793
219 Pavement markings; allowance for additional markings	SF	164,319.200	0.15	24,648
330 Allowance for crossing intersection improvements including traffic lights, wiring, etc.	LS	1.000	1,500,000.00	1,500,000
Roadways				\$3,122,093
G2020 Parking Lots				
220 Prepare and compact subbase	SF	143,493.300	0.35	50,223
221 Compacted gravel base, allow 12" thick	CY	5,314.500	40.00	212,580
222 Asphalt roadway including binder and top course, allow 4" overall thickness	SY	15,943.700	40.00	637,748
17 Granite curbs	LF	4,619.100	55.00	254,050
18 Pavement markings; line painting	LF	6,732.300	3.00	20,197
223 Pavement markings; allowance for additional markings	SF	143,493.300	0.15	21,524
Parking Lots				\$1,196,322
G2030 Pedestrian Paving				
224 Prepare and compact subbase	SF	32,002.000	0.35	11,201
225 Compacted gravel base, allow 8" thick	CY	790.300	40.00	31,612
226 Concrete walkway including forming, WWF reinforcement, finish, etc. - allow 4" thick	SF	28,801.800	7.00	201,612

Northeast Metropolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Unifomat II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3S SITEWORK

C3S1 Site Improvements (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
227 Allowance for decorative pavers	SF	3,200.200	30.00	96,006
Pedestrian Paving				\$340,431
G2040 Site Development				
29 Retaining walls	LF	994.800	250.00	248,700
30 Rock climbing walls	LF	79.000	650.00	51,350
31 Seating boulders	SF	2,121.000	95.00	201,495
228 Allowance for miscellaneous site development not listed above	LS	1.000	500,000.00	500,000
Site Development				\$1,001,545
G2045 Athletic, Recreational, and Playfield Areas				
229 Prepare and compact subbase	SF	385,239.500	0.35	134,834
230 Granular bedding to athletic fields, allow 12" thick	CY	9,594.700	40.00	383,788
22 Running track surface	SF	35,540.800	15.00	533,112
23 Synthetic turf	SF	152,795.900	10.00	1,527,959
24 Seeding to baseball & softball fields including bedding, allow 8" thick	SF	126,189.000	1.75	220,831
25 Baseball & Softball athletic fields	SF	34,715.000	2.00	69,430
27 Seeding to football / soccer fields including bedding, allow 8" thick	SF	36,336.600	1.75	63,589
28 Tennis courts	SF	36,000.000	10.00	360,000
33 Football scoreboard	EA	1.000	30,000.00	30,000
34 Soccer & Softball scoreboard	EA	1.000	30,000.00	30,000
35 Baseball & Softball backstops	LF	408.100	250.00	102,025
36 Baseball & Softball perimeter fencing	LF	937.700	40.00	37,508
37 Bleacher structure spectator seating including pressbox, 954 seating capacity	LS	1.000	1,400,000.00	1,400,000
38 Football goal	EA	2.000	15,000.00	30,000
39 Soccer goal	EA	2.000	2,500.00	5,000
231 Irrigation to athletic fields	SF	162,525.200	2.00	325,050
Athletic, Recreational, and Playfield Areas				\$5,253,126
G2050 Landscaping				
20 Trees	EA	183.000	1,000.00	183,000
21 Seeding lawn including bedding, allow 8" thick	SF	393,379.000	1.75	688,413
232 Allowance for additional plantings not listed above	LS	1.000	300,000.00	300,000
233 Allowance for lawn irrigation	SF	393,379.000	2.00	786,758
Landscaping				\$1,958,171
Site Improvements				\$12,871,688

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3S SITEWORK

C3S1 Site Improvements (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
G30 Site Mechanical Utilities				
G3010 Water Supply				
234 Connect to existing mains	LS	1.000	10,000.00	10,000
52 Hydrant	EA	16.000	4,500.00	72,000
51 CLDI pipe, 8"	LF	6,008.600	100.00	600,860
235 Excavation and backfill	LF	6,008.800	25.00	150,220
Water Supply				\$833,080
G3020 Sanitary Water				
236 Connect to existing mains	LS	1.000	5,000.00	5,000
47 Precast concrete grease trap, 10,000 gal.	EA	1.000	25,000.00	25,000
48 Manholes	EA	25.000	3,500.00	87,500
49 PVC pipe, 6"	LF	3,040.900	60.00	182,454
50 Clean and re-align existing sewer pipe	LF	1,037.700	50.00	51,885
237 Excavation and backfill	LF	3,041.400	25.00	76,035
Sanitary Water				\$427,874
G3030 Storm Sewer				
40 Catch basins	EA	55.000	3,000.00	165,000
41 Area drains	EA	15.000	500.00	7,500
44 HDPE pipe, 12"	LF	5,366.000	55.00	295,130
45 HDPE pipe, 24"	LF	2,583.300	100.00	258,330
46 Subsurface infiltration system	SF	97,100.000	40.00	3,884,000
238 Excavation and backfill	LF	7,948.900	25.00	198,722
Storm Sewer				\$4,808,682
G3090 Other Site Mechanical Utilities				
239 Allowance for miscellaneous site mechanical utilities not listed above	LS	1.000	200,000.00	200,000
Other Site Mechanical Utilities				\$200,000
Site Mechanical Utilities				\$6,269,636
G40 Site Electrical Utilities				
G4010 Electrical Distribution				
240 Allowance for miscellaneous site electrical distribution system including pull boxes, manholes, ductbank, etc.	SF	568,881.300	0.10	56,888
Electrical Distribution				\$56,888
G4020 Site Lighting				
32 Athletic field lighting poles including wiring to football and baseball fields, etc.	EA	9.000	225,000.00	2,025,000

Northeast Metorpolitan Regional Technical High School

Preferred Schematic Report - New Construction - Revision 3

Location Uniforamt II - Level 2/Elements Item

C3 OPTION C3 - 1,600 STUDENTS

C3S SITEWORK

C3S1 Site Improvements (continued)

Rates Current At November 2020

Description	Unit	Qty	Rate	Total
333 Athletic field lighting poles including wiring to tennis courts, etc.	EA	6.000	150,000.00	900,000
241 Allowance for miscellaneous site lighting including bollards, poles, etc.	SF	568,881.300	0.35	199,108
Site Lighting				\$3,124,108
G4030 Site Communications & Security				
242 Allowance for miscellaneous site communication system such handholes, ductbank, etc.	SF	568,881.300	0.50	284,441
Site Communications & Security				\$284,441
Site Electrical Utilities				\$3,465,437
SITE IMPROVEMENTS				\$36,034,023